

The Holocene sedimentary archive of Sylhet basin, Bangladesh: Linking surface processes to the stratigraphic record within a mass balance framework

By

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For the high places; a source of inspiration. And sediment.

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A dissertation is often described as being “a marathon, not a sprint.” While this is true in the sense that both endeavors require endurance and determination, the analogy falls apart in that distance running, while often aided by a support team, is inherently an individual sport, whereas science of this type truly requires interaction and collaboration. I feel incredibly lucky to have had the support of so many to make this work possible. First and foremost, I am forever indebted to my advisor Steve Goodbred. His melding of enthusiasm with healthy skepticism inspired me to be a better student, a better writer, a better scientist, and a better person. The guidance and wisdom of Chris Paola greatly improved the quality of this work and inspired me to always be curious about how the world works, and he simultaneously offered wonderful tips to improve my skills at crafting Italian food. I have immeasurable respect for David Furbish, who constantly amazed me not only with his insights into the physical world but also in the ways of effectively communicating complex ideas to students. Jim Clarke and George Hornberger provided much needed intellectual and personal guidance throughout the process. Thanks also to the National Science Foundation and the Vanderbilt University Department of Earth and Environmental Sciences, as this research would not have been possible without their financial support.

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“So don’t waste your mind on nursery rhymes
Or fairy tales of blood and wine
It’s turtles all the way down the line
So to each their own til’ we go home
To other realms our souls must roam
To and through the myth that we all call space and time”
- Sturgill Simpson, “Turtles All the Way Down”

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Chapter 1

Introduction

Deposition and preservation of alluvial sediments, and the transfer of surface process signals into the stratigraphic record are at the forefront of current research in the fields of stratigraphy and sedimentology. The myriad ways in which climate, tectonics, and internal system dynamics impact this transfer of signal has been an increasing focus of sedimentologic and stratigraphic study for the past 40 years (Steel and Milliken, 2013; Castelltort and Van Den Driessche, 2003; Jerolmack and Paola, 2010; Allen, 2008). Recent studies (Strong et al., 2005; Paola and Martin, 2012) have demonstrated that a model of sediment extraction based on conservation of mass can provide quantitative, predictive information about facies changes in a variety of geologic settings. For example, when transformed into a scale-independent framework, depositional styles in a variety of settings shift from channel-dominated to lobe-dominated when approximately 60-80% of the total mass is extracted to deposition (Paola and Martin, 2012). Similarly, within such a mass balance framework the time variance of sediment budgets can be determined, as well as the shifting of boundaries between extracted grain size fractions, which respond to the dynamics of the sediment routing system (Michael et al., 2013). The results emerging from these studies suggest several unifying observations that are herein explored in the context of the Ganges-Brahmaputra-Meghna Delta (GBMD).

In spite of the semblance of unifying order within prior studies, however, there remains great variance among natural sedimentary systems. Some of this variance is the result of inherent differences in time scales of the various processes (climatic, tectonic, and sedimentologic) that interact to transport, deposit, and preserve sediment in basins, as well as the increasing abundance of preserved hiatuses and erosional events in longer records (Sadler, 1981; Schumer and Jerolmack, 2009). Changes in both climate and eustasy can

also have impacts on the behavior of fluvial systems (Blum and Törnqvist, 2000), such that changes in sedimentary structures and stratigraphic architecture can be coupled to abrupt climate events (Foreman et al., 2012). Moreover, determining the genesis of sedimentary characteristics as being derived from autogenic (internal) or allogenic (external) processes is problematic (Stouthamer and Berendsen, 2007; Kim et al., 2014), and the mechanisms of preservation vs. destruction (i.e. “shredding”) of these various signals via the “stratigraphic filter” are poorly understood (Jerolmack and Paola, 2010).

Sylhet basin, a subsiding sub-basin within the larger GBMD, presents a unique opportunity to investigate the interaction of autogenic and allogenic processes in a natural fluvial system that in many ways mimics the characteristics of a laboratory experiment (Fig. 1.1). Sediment inputs and outputs are well defined by the topographic features that frame the basin. Reasonable constraints on variable subsidence rates, as well as water and sediment discharge have been established (Reitz et al., 2015; Goodbred and Kuehl, 2000b). Dominant sediment sources can be readily distinguished using bulk geochemistry, discrete channel and basin facies have illuminated a detailed history of episodic avulsions of the Brahmaputra River into Sylhet basin throughout the Holocene, and radiocarbon dates provide adequate age control throughout the area (Goodbred et al., 2014; Pickering et al., 2014). All of these factors make Sylhet basin an ideal location to employ a mass balance approach for examining the influence (if any) of exogenous forcing mechanisms such as climate and tectonics on predicted stratal architecture and distribution of fluvial facies.

1.1 Geologic setting

The Brahmaputra River enters the Bengal Basin in the country of Bangladesh from the northeast, after draining the eastern Himalaya and flowing through Assam in northern India (Fig. 1.2). This foreland basin is situated near the junction of three plates (the Eurasian, Indian, and Burma plates) and formed as the result of the collision of India with Asia during the Paleogene (Steckler et al., 2008). Upon entering Bangladesh, the Brahmaputra

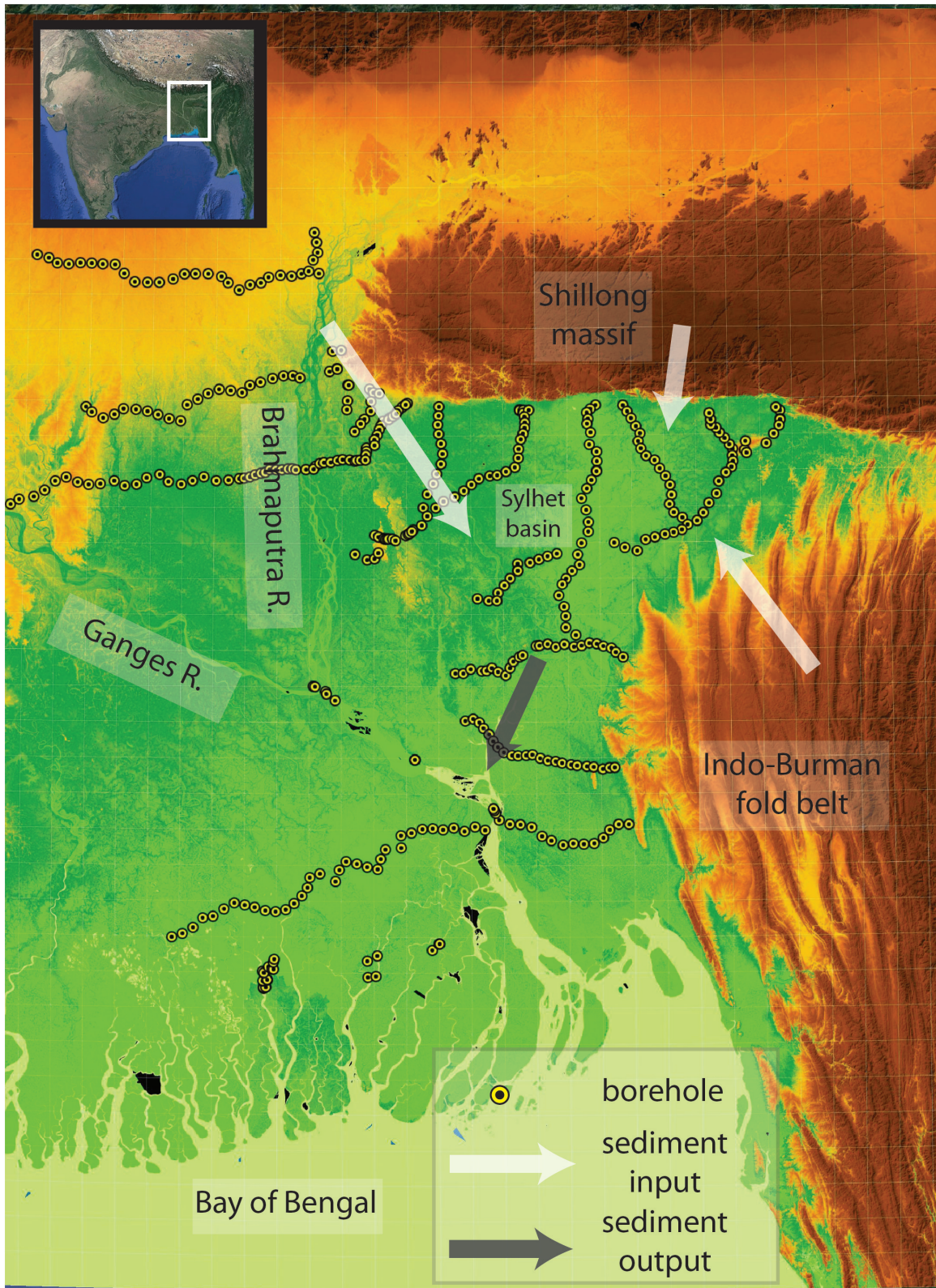


Figure 1.1: Shuttle Radar Tomography Mission (SRTM) image showing physiographic setting and borehole locations for Sylhet basin. Major sediment inputs (white arrows) are from the Brahmaputra River and local catchments draining Shillong Massif and the Indo-Burman fold belt. Sediment is either sequestered to deposition within the basin or output through the Meghna River (black arrow). 3

River flows south between the Shillong Massif and the Tista Fan, passing to the west of the Madhupur Terrace before its confluence with the Ganges River. The river has occupied this basin since the Miocene or earlier (Alam et al., 2003; Najman et al., 2016; Uddin and Lundberg, 2004), and has deposited a thick succession of sediments throughout the Holocene (Goodbred and Kuehl, 2000a). This dissertation is focused on the northeastern portion of the delta, in a region known as Sylhet basin.

Sylhet basin is framed on its north end by Shillong Massif, an anticlinal structure that reaches elevations of approximately 2000 meters, on its west by the Madhupur terrace, at an elevation of about 5-7 m above the surrounding floodplain, and to the east by the Indo-Burman fold belt, a series of north-south trending anticlines and synclines that represent the deformation front of the subducting Indian Plate beneath the Burma Arc. Sylhet basin is a topographic low within the delta that is seasonally flooded, and thus is in a favorable position for occasional occupation by the Brahmaputra River. Throughout the Holocene, the river has occupied Sylhet Basin at least 3 times, with durations ranging from hundreds to thousands of years (Pickering et al., 2014). The cause of these episodic avulsions is not known, although it is possible that autogenic processes drive the long-term occupations of the region, whereas allogenic processes (such as earthquakes and megafloods sourced from the Tsangpo River Gorge) are the cause of short-term occupations (Lang et al., 2013; Montgomery et al., 2004; Pickering, 2016). Regardless of the cause of the occupations, river flow within Sylhet Basin appears to be focused along two sediment "fairways", which follow valleys that are identified as the boundary between recent Holocene sediments and older weathered sediments. Extraction of fluvial sediments delivered along these two pathways have created the massive (up to 90 meters thick) Holocene record that is the basis of this study.

The vulnerability of river delta regions to environmental change has received close scrutiny in recent years; not only are deltas home to the most densely populated countries on Earth due to their fertile soil, proximity to fisheries, and advantageous location

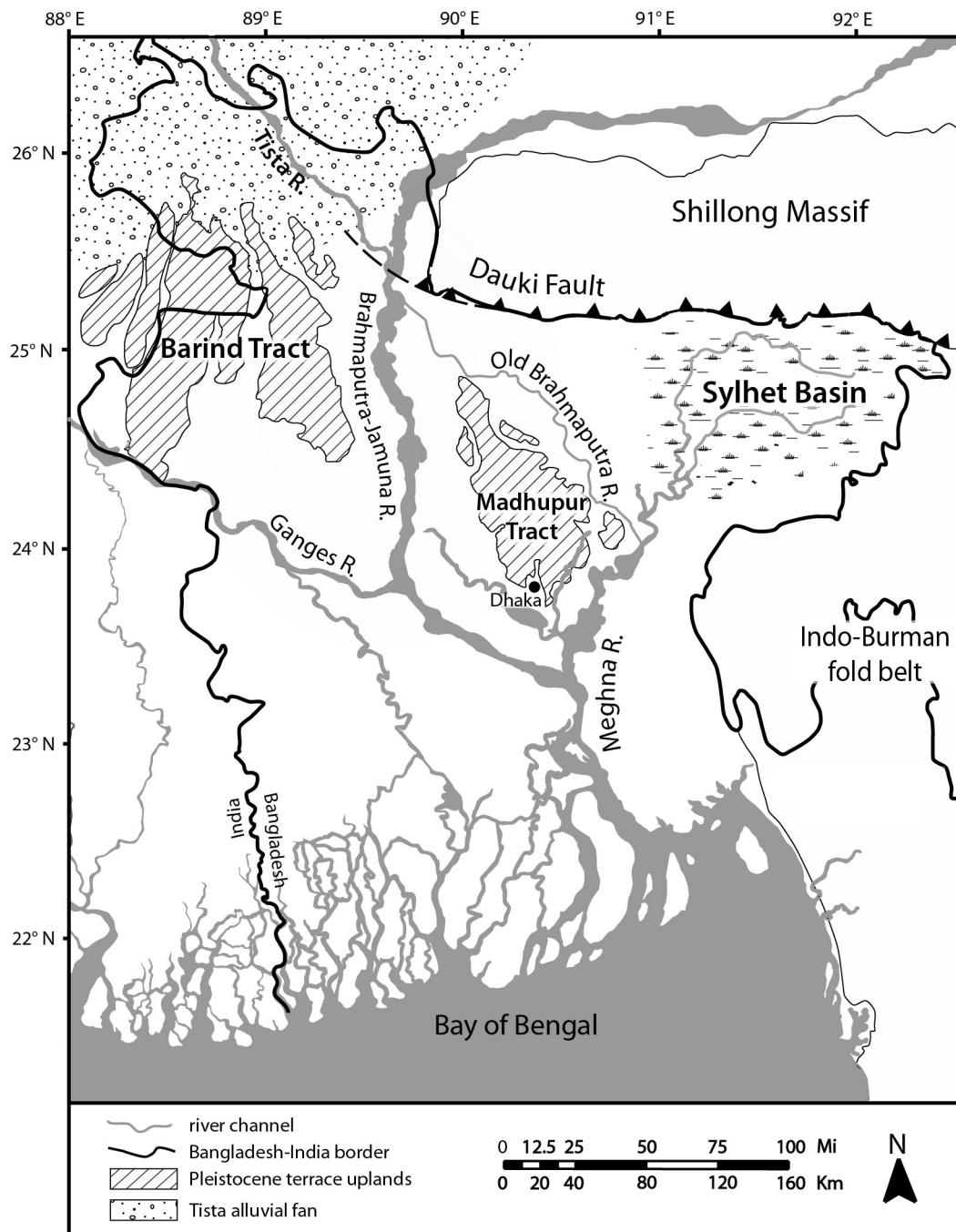


Figure 1.2: Overview of the main physiographic features of the study area. The Brahmaputra River enters Bangladesh from the north between Shillong massif and the Tista fan. Sylhet basin is framed by relative highlands on its north, east, and west sides. (after Pickering et al. (2014))

with regard to trade routes and transportation, but they are notably vulnerable to hazards associated with environmental change and natural dynamics (Syvitski et al., 2009). The Ganges-Brahmaputra-Meghna Delta (GBMD) of Bangladesh is an exceptionally interesting system in that it is exposed to a wide variety of natural hazards, including earthquakes and subsidence due to its location near the convergence of three tectonic plates (Steckler et al., 2008, 2016), natural arsenic contamination in groundwater (Hoque et al., 2014), saltwater intrusion (Bhuiyan and Dutta, 2012), and coastal inundation due to sea level rise (Auerbach et al., 2015; Brammer, 2014).

1.2 Significance and approach

Pioneering attempts at quantitatively modeling alluvial architecture (Leeder, 1978; Allen, 1978; Bridge and Leeder, 1979) focused on the influence of sedimentation rates on stacking density of channel sands. These models, often referred to as the “LAB” models, are inherently pleasing as they generate an inverse relationship between sedimentation rate and channel stacking density. While numerous authors have applied the concepts contained within the LAB model framework in their interpretations (Alexander and Leeder, 1987; Shanley and McCabe, 1993; Kraus, 2002; Steel and Milliken, 2013), the results have been ambiguous in that for some cases the predictions of the LAB models are realized, whereas in other cases the opposite of predicted behavior occurs. It has been proposed (Heller and Paola, 1996) that one reason for this disparity between the models and field tests is driven by the lack dependence of avulsion frequency on local channel sedimentation rate in the models.

Another consideration when relating the LAB models to field observations is the relationship between timescales of autogenic vs. allogenic processes. Hickson et al. (2005) used experimental results to demonstrate that the original prediction of increased channel stacking in areas of subsidence maxima proposed by Bridge and Leeder (1979) did not hold true in the case of their experiment, which made use of variable sediment supply and

subsidence rates. They hypothesized that in order for clustering to occur, the subsidence rate must be significantly higher than the rate of autogenic fluvial processes, such that the subsidence signal overpowers the influence of stream dynamics. Further experimental work conducted by Kim et al. (2010) demonstrated a necessary condition that the time scale ratio (T^*) between autogenic fluvial processes and allogenic tectonic processes must be on the order of unity in order for channel steering to occur, such that:

$$T^* \sim T_c/T_t \quad (1.1)$$

where T_c is the channel (autogenic) timescale and T_t is the tectonic (allogenic) timescale. By minimizing channel mobility and maximizing tectonic tilting rates, the authors were able to produce steering in their experimental design.

Recent studies (Strong et al., 2005; Paola and Martin, 2012) have attempted to rectify the disparities between model predictions and observations by using a mass balance approach to alluvial stratigraphic architecture. At the core of these studies is the description of facies variability in the streamwise (depositional dip) direction in terms of mass extraction in a proximal to distal framework, which can then be compared to basins of varying scales. In order to achieve scale independence, a χ transformation (Strong et al., 2005) must be performed, which converts downstream distance in the system to a dimensionless parameter that describes the percentage of available sediment that has been extracted from the system at any given point. Through the analysis of a number of experimental and field data, Paola and Martin (2012) demonstrated predictable and repeatable trends in facies distributions at specific χ values in a variety of depositional settings. Specifically, the authors illustrate a marked decrease in channel density and an increase in lobate depositional geometries at a χ distance of approximately 0.6-0.8. Furthermore, the authors note a systematic decrease in grain size (downstream fining) relative to the input grain sizes in both experimental and field studies of fluvial systems.

Qualitatively, the GBMD essentially exhibits two main types of facies: stacked braid-

belt/channel sands and finer grained overbank/floodplain deposits. Thick (tens of meters) bodies of continuous sand are characteristic of braided belt deposits, whereas alternating layers of meter-scale silts, sands, and muds are characteristic of overbank deposits. Additionally, mud deposits with thicknesses on the order of tens of meters are also sometimes found in areas of floodplain deposition, particularly within the “mud wedge” located along the northern edge of Sylhet basin, adjacent to the Shillong massif, in an area of rapid subsidence. With boreholes spaced at 3-5 km, and individual samples collected every 1.5 meters, a massive dataset that documents the vertical thicknesses of these lithologies has been obtained in the GBMD. The work described herein utilizes this dataset to quantitatively identify areas of bypass and extraction within the GBMD. Additionally, a simple statistical metric of persistence in vertical successions of strata is applied in an attempt to illustrate the predictive power of a mass balance framework in sedimentary geology.

1.3 Dissertation components

This dissertation is focused on establishing regional scale, qualitative stratigraphic observations of the Holocene sedimentary archive, coupled with detailed quantitative analyses to better link first order observations with sediment extraction behavior. The substantive chapters of this work are comprised of three separate manuscripts that have been prepared to demonstrate the ways in which the stratigraphic record of a massive fluvial system can be deciphered to infer the transfer of information from surface processes into the permanent rock record.

Chapter 2, *Holocene Brahmaputra River path selection and variable sediment bypass as indicators of fluctuating hydrologic and climate conditions in Sylhet Basin, Bangladesh*, provides a detailed description of the Holocene avulsion history of the Brahmaputra River in Sylhet basin. It focuses on the unexpected outcome of a perennially under-filled central basin in spite of favorable topographic and tectonic conditions, and presents a hydrologic hypothesis to explain this behavior. The second revision of this manuscript is currently

under consideration for publication in the journal *Basin Research*.

Chapter 3, entitled *Quantifying mass extraction and downstream fining patterns across the Sylhet Basin of the Ganges-Brahmaputra-Meghna delta*, is currently under review for *Journal of Geophysical Research: Earth Surface*. This chapter quantitatively explores the nature of bypass vs. extraction behavior in Sylhet basin presented in the previous chapter. It applies a similarity solution model of downstream fining based on field observations to illustrate predictable patterns of stratigraphic architecture observed in other depositional settings and experimental data.

Chapter 4, *A simple statistical metric to quantify the preservation of ordered stratigraphy upon a large delta*, investigates grain size and thickness of sand body trends across the GBMD. Specifically, a metric designed to quantify order vs. disorder in vertical successions of facies is modified to identify the preservation of complete fining upwards fluvial bar deposits. The distribution of complete sedimentary packages is related to the mass extraction analysis of Chapter 3, as well as observed topographic variability on the delta. These results demonstrate the predictive power of simple statistical measures coupled with stratigraphic studies in a mass balance framework.

Finally, the last chapter summarizes the major findings of this work and how they contribute to the field of quantitative stratigraphy. The goal of deciphering how environmental signals are transferred to the stratigraphic record is a lofty one, and no single dissertation could be expected to bridge all of the gaps of our collective knowledge. However, the work herein represents substantial progress in the evolution of stratigraphy from a descriptive to a quantitative endeavor. The final chapter includes discussion of proposed future work to continue the advancement of our understanding of environmental signals in the sedimentary archive.

Chapter 2

Holocene Brahmaputra River path selection and variable sediment bypass as indicators of fluctuating hydrologic and climate conditions in Sylhet Basin, Bangladesh¹

2.1 Abstract

The Holocene stratigraphy of Sylhet basin, a tectonically influenced sub-basin within the Ganges-Brahmaputra-Meghna delta (GMBD), provides evidence for autogenic and allogenic controls on fluvial system behavior. Using Holocene lithology and stratigraphic architecture from a dense borehole network, patterns of bypass-dominated and extraction-enhanced modes of sediment transport and deposition have been reconstructed. During a ~ 3 -kyr mid-Holocene occupation of Sylhet basin by the Brahmaputra River, water and sediment were initially (~ 7.5 - 6.0 ka) routed along the western margin of the basin, where limited downstream facies changes reflect minimal mass extraction and bypass-dominated transport to the basin outlet. Sediment dispersal patterns became increasingly depositional ~ 6.0 - 5.5 ka with the activation of a large (~ 2250 km²) splay that prograded toward the basin center while maintaining continued bypass along the western pathway. Beginning ~ 5.0 ka, a second splay system constructed an even larger (~ 3800 km²) lobe into the most distal portions of the basin along the Shillong foredeep. This evolution from a bypass-dominated system to one of enhanced mass extraction is well reflected in (1) the rapid downstream fining of deposited sand, and (2) a change in facies from amalgamated channel deposits to mixed sands and muds within discrete depositional lobes. The persistence of sediment bypass suggests that seasonal flooding of the basin by local runoff exerts a hydrologic barrier to overbank flow and is thus a principal control on river path selection. This control is evidenced by (1) repeated, long-term preference for occupying a course along the basin margin rather than a steeper path to the basin center; and (2) the persistence of

¹This chapter was written as a manuscript with co-authors S. Goodbred and J. Pickering. It was accepted for publication in the journal *Basin Research*.

an under-filled, topographically low basin despite sediment load sufficient to fill the basin within a few hundred years. The progradation of two 10-20 m thick, sandy mega-splays into the basin interior reflects an alternative mode of sediment dispersal that appears to have operated only in the mid Holocene (~ 6.0 - 4.0 ka) during a regional weakening of the summer monsoon. The reduced water budget at that time would have lowered seasonal water levels in the basin, temporarily lessening the hydrologic barrier effect and facilitating splay development into the basin interior. Overall, these results place basin hydrology as a first-order control on fluvial system behavior, strongly modifying the perceived dominance of tectonic subsidence. Such coupling of subsidence, fluvial dynamics, and local hydrology have been explored through tank experiments and modeling; this field study demonstrates that complex, emergent behaviors can also scale to the largest fluvial system on Earth.

2.2 Introduction

2.2.1 Motivation

Deciphering the response of depositional systems to changes in sediment transport dynamics, climate, and tectonics remains a central challenge to stratigraphic research. Quantifying the influence of autogenic vs. allogenic processes and the preservation of these signals in the stratigraphic record is at the forefront of current research (Li et al., 2016; Kim et al., 2014; Jerolmack and Paola, 2010; Stouthamer and Berendsen, 2007). While the dynamics of these processes have been studied using laboratory experiments and numerical models, scaling these behaviors to inherently more complex natural systems with variable boundary conditions has remained problematic (Paola et al., 2009; Hajek and Wolinsky, 2012). Identifying field-scale systems with many of the characteristics of constrained laboratory experiments has the potential to shed light on these complex fluvial system behaviors.

Analyses of borehole stratigraphy have facilitated the reconstruction of the Holocene

avulsion history of the Brahmaputra River between courses along the Jamuna valley and Sylhet basin (Pickering et al., 2014; Goodbred and Kuehl, 2000a; Goodbred et al., 2014). A maximum of three occupations of Sylhet basin (and three corresponding occupations in Jamuna valley) have been documented, yielding a mean avulsion period of ~ 1800 years. An effort to model the autogenic avulsion behavior of the Brahmaputra River based on sediment flux, subsidence, and sea-level rise yielded a predicted mean avulsion period of ~ 2150 years (Reitz et al., 2015), which compared favorably with the average field timescales. The modeling effort also suggested, as did the initial field studies, that tectonically-induced subsidence of Sylhet basin should be an important control on river behavior and the resulting depositional record.

Additionally, the field studies reveal that the Brahmaputra channel occupations of Sylhet basin were non-uniform in their duration and stratigraphic preservation. Notably, the mid-Holocene occupation was the longest (3.0 ± 0.5 ka) and has the most extensive stratigraphic record. This time period likewise contains evidence of increased variability in both the strength of the Indian Summer Monsoon (ISM) as well as the production of Himalayan-sourced sediment (Wang et al., 2005; Bookhagen et al., 2006; Pratt-Sitaula et al., 2004). Here we employ a much denser grid of borehole data and radiocarbon ages than previous studies to illuminate a detailed history of channel behavior and sediment dispersal during this long occupation, with the specific goal of understanding how the fluvial system interacted with the basin over this prolonged period. One of the most interesting findings is that the basin tends to remain under-filled despite simultaneous sediment bypass through the principal channel to its downstream outlet. We explore this unexpected behavior, as well as specific phases of progradation into the basin center. Climate-driven change in basin hydrology appears to be the primary mechanism driving oscillations between bypass-dominated and extraction-enhanced modes of sediment transport, indicating that feedbacks among tectonic deformation, fluvial processes, and local hydrology exhibit a first-order control on deposition and stratigraphy.

2.2.2 Geologic setting

Sylhet basin, situated near the junction of three tectonic plates (the Eurasian, Indian, and Burma plates) is a tectonically influenced sub-basin within the Bengal Basin, covering an area of approximately 8700 km² in northeastern Bangladesh (Fig. 2.1). The basin is underlain by a thick (up to 20 km) succession of marine to deltaic and fluvial deposits dating from the Eocene to present (Johnson and Nur Alam, 1991; Curray, 1994; Uddin and Lundberg, 2004). The basin is bound to the north by Shillong Massif, a 2-km high, uplifted block of Indian crust that overthrusts the Ganges-Brahmaputra-Meghna Delta (GBMD) along the blind Dauki Fault (Clark and Bilham, 2008). The timing and mechanism of uplift of the Shillong Massif (and thus the formation of Sylhet basin to its south) have been debated (Johnson and Nur Alam, 1991; Biswas et al., 2007; Clark and Bilham, 2008; Yin et al., 2010), but stratigraphic evidence suggests the basin shifted from a passive margin to a flexural basin in the Pliocene, and hence filled by Brahmaputra-sourced fluvial sediments since that time (Najman et al., 2016). The emergence of this large structure is likely responsible for re-routing the Brahmaputra River from its original course through the Indo-Burman Ranges (IBR) to the east to its modern configuration (Pickering, 2016).

The western margin of Sylhet basin is defined by the Madhupur Terrace, a slightly elevated (~5-7 m above the surrounding floodplain) surface consisting mostly of weathered floodplain muds capping Brahmaputra fluvial sands that were likely deposited during a previous sea-level highstand (Pickering et al., 2014; Morgan and McIntire, 1959). The origin of the Madhupur Terrace has been debated as being tectonically uplifted or an erosional remnant of an old floodplain, but may also be a function of both (Rashid et al., 2006). A similar Pleistocene remnant (the Wari-Bateshwar erosional remnant) can be found ~ 75 km upstream of the modern Meghna-Jamuna confluence (Fig. 2.1). This smaller remnant was likely once contiguous with the Madhupur Terrace and was subsequently separated by fluvial scour. The eastern margin of Sylhet basin is bound by the IBR, a series of north-south trending anticlines and synclines that are the result of active deformation of Neogene

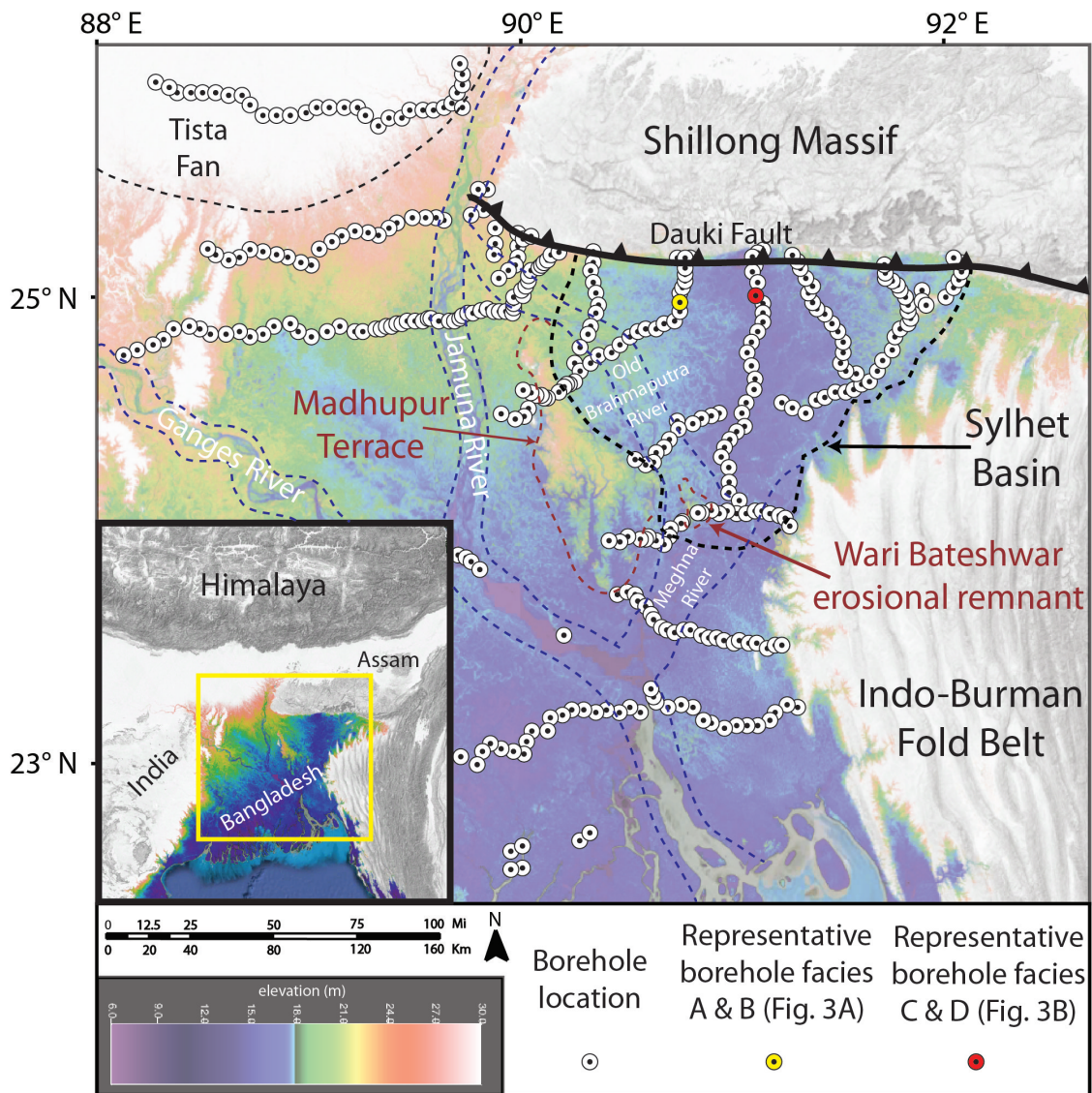


Figure 2.1: Digital elevation model (DEM) base map showing physiographic setting and borehole locations for this study. Major drainages are outlined with blue dashes, Pleistocene erosional remnants with red dashes, and Sylhet basin with black dashes. Bengal Basin is outlined in yellow on the inset map. Brahmaputra-sourced sediment enters Sylhet basin in its northwest corner near the Old Brahmaputra River offtake. Locally-sourced sediments are shed off the Shillong Massif and Indo-Burman fold belt. Sediment that enters Sylhet basin is either sequestered or exits along the modern Meghna River outlet. Locations of the representative boreholes for facies A-D (Fig. 2.3) are shown in yellow and red.

GBMD sediments along the subducting Indian Plate beneath the Burma Arc (Steckler et al., 2008, 2016; Sikder and Alam, 2003).

Stratigraphy constructed by the Brahmaputra River is typically characterized by amalgamated units of thick (20-30 m) fining-upwards sands that accumulate within antecedent valleys occupied by the main channel belt. Along the flanks of these valleys and in more distal parts of the basin, more fine-grained floodplain deposits are preserved but are still dominated by sandy channel-belt stratigraphy (Pickering et al., 2014; Goodbred et al., 2003).

Recent coring of Late Quaternary deposits provides an unprecedented density of data coverage, enabling detailed examination of the sedimentology, stratigraphy, hydrodynamics, and tectonics within Sylhet basin (Fig. 2.1). These data are particularly attractive for detailed study because: (1) Sylhet basin contains the sedimentary archive of numerous Holocene avulsions of the Brahmaputra River (Pickering et al., 2014); (2) the basin is topographically confined, such that sediment input to the basin is derived from known sources (either the Brahmaputra River or local catchments draining Shillong massif or the IBR), and is subsequently sequestered by deposition or bypassed to the downstream outlet along the modern Meghna River (Fig. 2.1); and (3) distinct provenance indicators allow sources of sediment to be distinguished within preserved stratigraphy (Goodbred et al., 2014).

A recent autogenic behavior model demonstrates that rates of channel bed aggradation for the Brahmaputra River occur at a similar scale to tectonic deformation of Sylhet basin, suggesting that channel avulsion behavior could be tectonically influenced (Reitz et al., 2015). However, the under-filled central basin and intense monsoon precipitation (on the order of ~ 5 m/year) combine to generate a seasonal body of water that inundates $\sim 2/3$ of the basin during the wet season (Fig. 2.2). Here we present a detailed history of river channel behavior that shows the Holocene river to be more strongly influenced by these local hydrologic attributes than tectonic factors. This hydrologic barrier leads to a preferred pathway for the Brahmaputra channel that bypasses the central basin, leaving it under-

filled despite transporting a sediment load that is capable of filling the basin within a few centuries.

2.3 Methods

2.3.1 Borehole lithology

A local tubewell drilling technique that generates a reverse-circulation flow was employed to acquire sediment cuttings to depths of up to 90 m, sampled at 1.5 m intervals (Pickering et al., 2014). Wells were spaced 3-5 km apart along transects and comprise a database of over 200 coring sites with 9,000 samples collected within Sylhet basin (Fig. 2.1). The horizontal and vertical spacing of these samples scales well with braidbelt width (8-15 km), channel depth (20-30 m), and general Holocene thickness of 20-90 m (Fig. 2.2). Wash samples were collected at 1.5 m intervals, from which ~ 1 kg of extruded sediment was captured (~ 20 cm section) and ~ 200 g preserved for analyses. Samples were also collected between intervals where a significant change in lithology was detected by the drillers. Each sample was described in the field in terms of its grain size, color, weathering characteristics, presence of gravel or organic matter, and general lithology.

2.3.2 Laboratory analyses

Laboratory analyses were conducted on the uppermost and lowermost samples of each borehole, as well as every third sample (~ 4.5 m intervals). Additional samples were analyzed at any intervening lithology change. Sediment grain sizes from 0.0005 to 1.168 mm were measured by laser-diffraction using a Malvern Mastersizer 2000E, with maximum size limited by instrument capability. Grains larger than 1.168 mm are thus not included in the grain size distributions, but they are described and noted wherever encountered.

The same subset of samples was measured by X-ray fluorescence (XRF) for bulk major and trace element concentrations using a portable Thermo-Scientific Niton XL3 An-

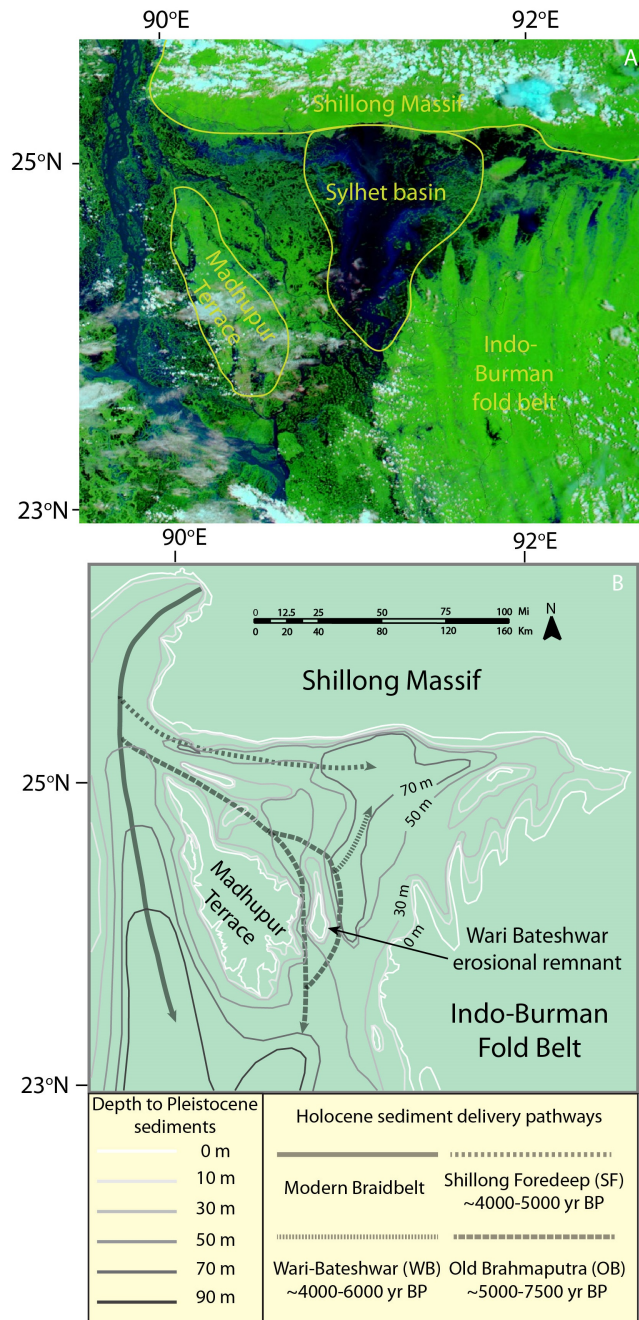


Figure 2.2: (a) 500 m resolution Moderate Resolution Imaging Spectroradiometer (MODIS) image showing extent of flooding within Sylhet basin during the particularly intense 2007 monsoon season. Major tectonic and geomorphic features are outlined. (b) Inherited Pleistocene topography across Sylhet basin. The depth to Pleistocene sediments was determined by a combination of relative age factors (including oxidation levels and physical properties of sediments) with radiocarbon ages. Four predominant sediment delivery pathways (modern braidbelt, Old Brahmaputra, Wari-Bateshwar, and Shillong Foredeep) with their approximate ages of activity are annotated.

alyzer. Strontium (Sr) concentrations were targeted as a useful provenance indicator for distinguishing sediments from the Ganges, Brahmaputra, and other locally-sourced rivers. Recent work has demonstrated that GBMD sediments exhibiting a bulk strontium concentration of approximately 140 ppm or higher were deposited by the Brahmaputra River, whereas locally-sourced sediments from the Shillong massif and the IBR have concentrations below 100 ppm (Goodbred et al., 2014; Williams, 2014). The variability in bulk Sr is related to the lithology of the different source areas. Brahmaputra-sourced sediments are primarily derived from the weathering of feldspar-rich plutonic rocks of the Trans-Himalaya Batholith, where Sr readily substitutes for Ca in calcium-bearing minerals (Garzanti et al., 2010). This is reflected in the high Sr concentrations (\sim 150-180 ppm) for sediments from this source area, whereas locally-sourced sediments from Shillong massif and the IBR are mostly derived from weathering of pre-existing sedimentary rocks (Galy and France-Lanord, 2001; Goodbred et al., 2014; Williams, 2014) and thus contain much lower bulk Sr concentrations. In this study we use a cutoff bulk strontium concentration of 120 ppm as an indicator of Brahmaputra provenance, in order to account for the enhanced mixing of low-strontium (locally-derived and Pleistocene) sediments that were likely reworked during Brahmaputra occupation of Sylhet basin. Radiocarbon dating of organic matter was performed where appropriate materials were recovered, with 28 samples analyzed from 24 borehole locations. Most samples were wood fragments or peats within mud units that could be assumed to be largely in situ. Wood recovered from thick sand units was occasionally measured to constrain amalgamated channel deposits, recognizing the caveat that these could be reworked and cannot be easily correlated with sea level. All ages were measured by accelerator mass spectrometry (AMS) at the Woods Hole National Ocean Sciences Accelerator Mass Spectrometry Facility (NOSAMS) and calibrated using CALIB 6.0 software with the intcal09.14C terrestrial calibration curve (Stuiver and Reimer, 1993). Ages are reported in calibrated sidereal years (cal BP).

2.4 Results

2.4.1 Holocene fluvial facies

The stratigraphy of Sylhet basin is characterized by four predominant facies that range from thick amalgamated channel sands to mud-dominated basin fill (Table 2.1). Facies A consists of thick (up to 35 m) bodies of very fine to coarse sand that extend laterally for 20-30 km, or approximately equivalent to two to three times the width of the modern braidbelt (Fig. 2.3). Fining-up subunits are commonly recognized within Facies A, typically expressed by a change from medium-coarse sands at the base to very fine-fine sands at the top of the package. A lack of mud preservation is characteristic for this facies (Fig. 2.4), although some fining-upward packages contain thin (1-5 m) mud units or are capped with a muddy peat layer. Facies A is often located within antecedent paleovalleys along the main sediment delivery pathways. Its provenance is exclusively Brahmaputra-sourced as evidenced by bulk Sr concentrations greater than 120 ppm (Fig. 2.4). The mean grain size for this facies is medium sand at 259 μm , with a range of 14-588 μm (Table 2.1). Stratigraphy associated with this facies is dominated by sand, with an average sand:mud ratio (i.e., net-to-gross) of 85% (Fig. 2.4). The massive sands of Facies A are similar in appearance and scale with sand bodies associated with deposition in the main braidbelt of the Brahmaputra River (Pickering et al., 2014; Goodbred and Kuehl, 2000a) and are interpreted as channel-bar sequences and valley margin deposits of the paleo-braidbelt system.

Facies B consists of 10-15 m thick successions of predominantly very fine-fine sands, interbedded with thin (5-10 m) mud layers (Fig. 2.3). These units, in contrast to Facies A, exhibit limited lateral continuity (on the order of <10 km, with locally wider units up to 15 km) such that they are equivalent to one modern braidbelt width or less (Table 2.1, Fig. 2.5). Bulk Sr concentrations for this unit are generally <120 ppm, indicating a non-Brahmaputra source for the sediments (Fig. 2.4). Facies B also contains a higher percentage of coarse sands than Facies A (Fig. 2.4) and contains a wider grain size range of 5-681 μm (Table

Table 2.1: Facies descriptions, physical and chemical characteristics

Facies	Typical thickness (m)	Lateral continuity (km)	General characteristics	Provenance	Grain size (μm)	Interpretation
A	25-35 m	20-30 km	fine to coarse sand (typically >50% medium-coarse sand), often exhibiting fining-upwards within individual packages from fine to medium sands, mixed with very fine to fine sands, with limited (5-10%) mud layer preservation, muds often found at the top of fining-upwards units, occasionally capped with a peat layer	Brahmaputra-sourced: [Sr] >120 ppm	Bulk Average:259 Standard Dev:135 Sand Average:286 Mud Average:44	channel sands and valley margin deposits of the main Brahmaputra braidbelt
B	10-15 m	typically less than 10 km, locally as wide as 15 km	very fine-fine sands interbedded with thin (5-10 m) mud layers	non-Brahmaputra-sourced: [Sr] <120 ppm	Bulk Average:243 Standard Dev:163 Sand Average:297 Mud Average:40	mixed channel and overbank deposits of smaller, locally-sourced (Shillong and Fold Belt) rivers
C	20-25 m	20 km or more: locally wider within splay deposits	basal mud (>50% total thickness, up to 15 m thick), with punctuated 5-15 m lenses of very fine to fine sand, usually near the top of the packages	Brahmaputra-sourced: [Sr] >120 ppm	Bulk Average:132 Standard Dev:92 Sand Average:179 Mud Average:39	overbank deposits with intercalated splay deposits
D	10-15 m	10-15 km	mud with a non-Brahmaputra geochemical signature	non-Brahmaputra-sourced: [Sr] <120 ppm	Bulk Average:55 Standard Dev:64 Sand Average:139 Mud Average:36	long-term accumulation of locally-sourced muds in the subsiding foredeep

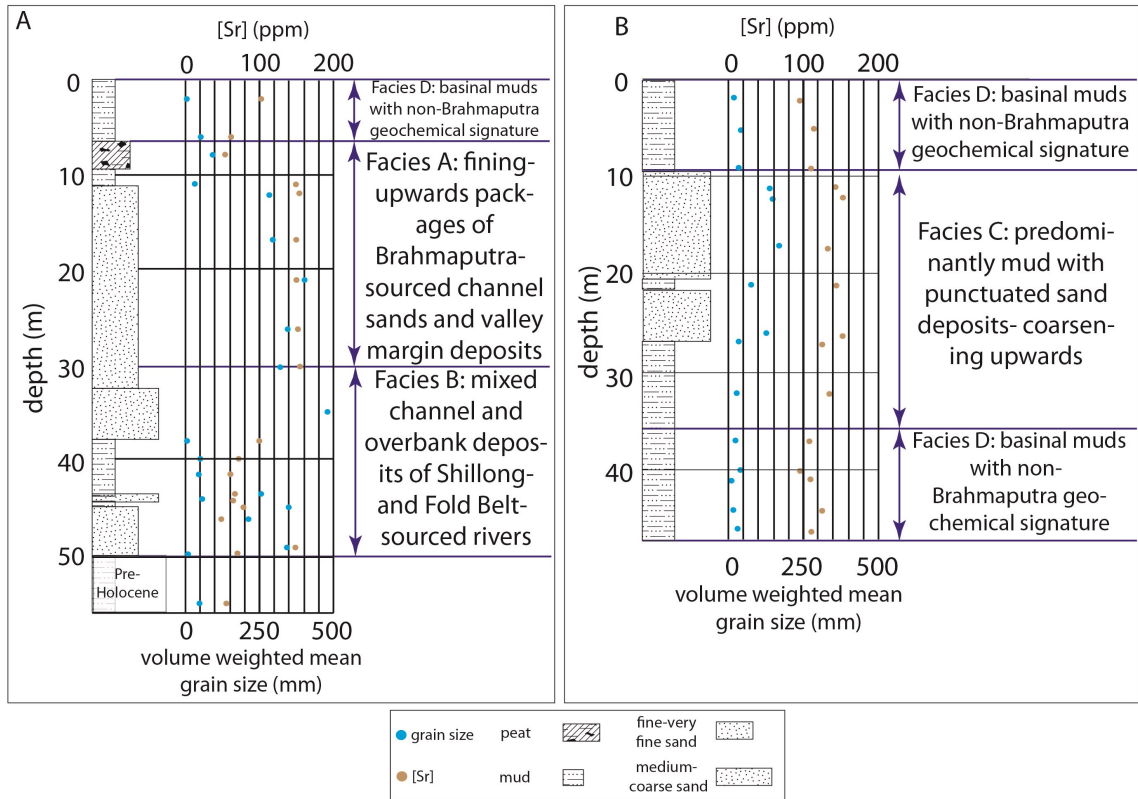


Figure 2.3: Representative examples of (a) Facies A and B, and (b) Facies C and D, with geochemical analysis and quantitative grain size results. Locations of boreholes is indicated on Figure 2.1.

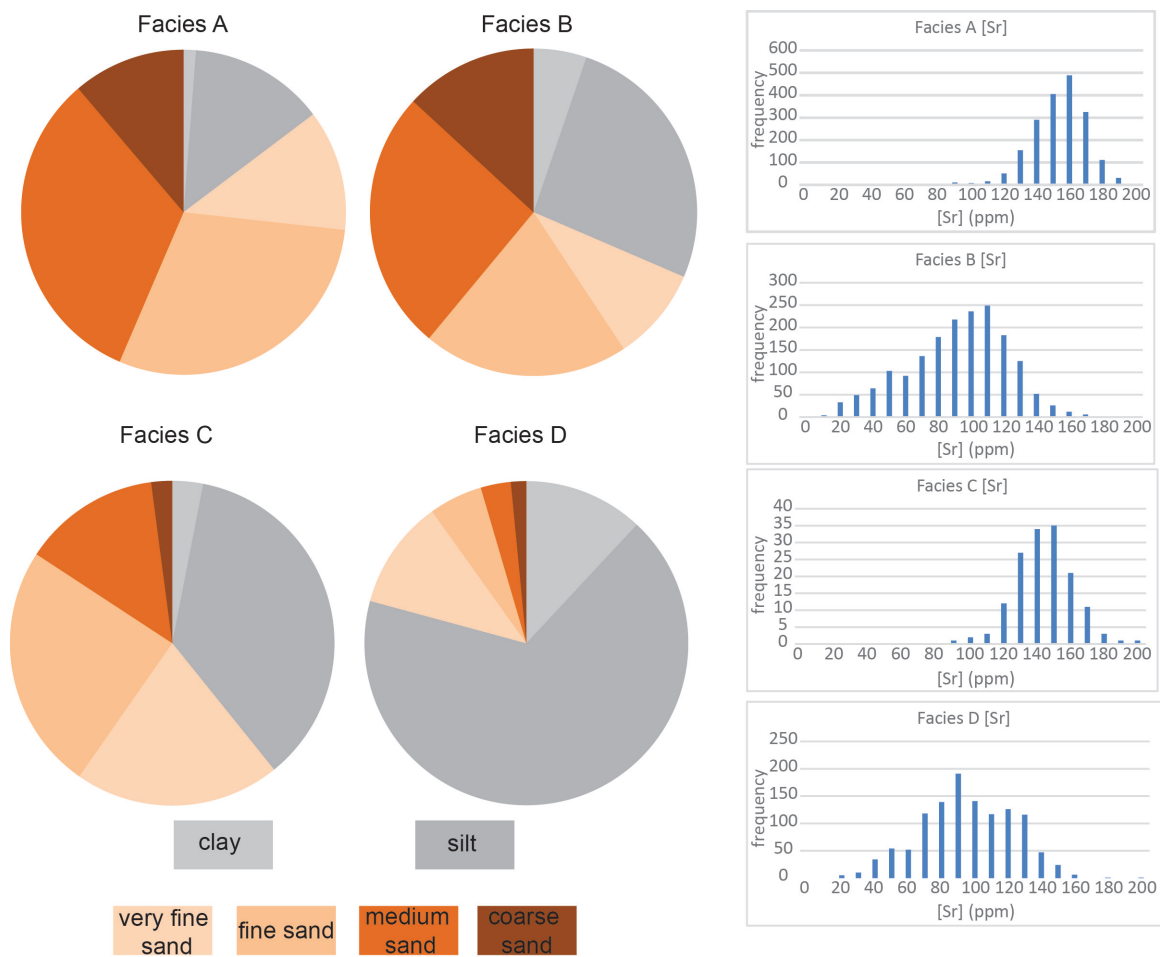


Figure 2.4: Grain size characteristics and bulk Sr concentrations of the 4 facies identified in this study. Pie charts show percentages of clay, silt, very fine, fine, medium, and coarse sands for the total population of each facies based on laser particle size analyses. Bulk Sr values were obtained using X-ray fluorescence (XRF).

2.1). The low Sr values and coarser grain sizes indicate a local source of sediment, and this unit lacks the lateral continuity associated with Facies A (Table 2.1, Fig. 2.5). This distinct facies is primarily confined to early Holocene deposits of Sylhet basin (Fig. 2.5) and is interpreted as channelized sand bodies of the small river catchments draining the surrounding highlands of Shillong Massif and the IBR.

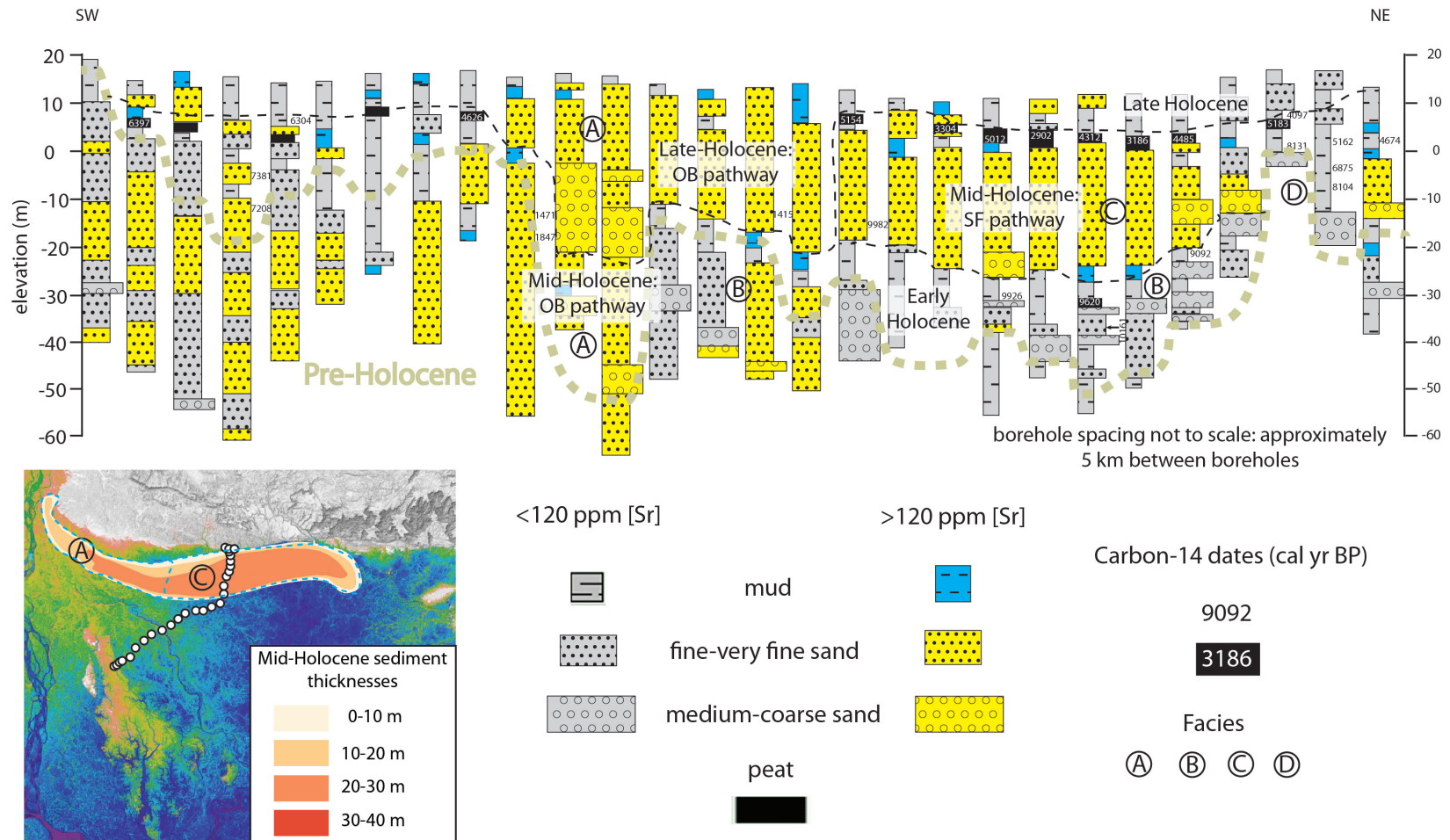


Figure 2.5: Southwest- to northeast-oriented cross-section across upper Sylhet Basin. Dashed orange lines show the antecedent topography upon which the Holocene stratigraphy was constructed. Facies are identified with circled letters. Inset map illustrates Holocene thickness of sediments within the SF pathway with the plan view distribution of Facies A and C within the lobe. Facies B is generally confined to the earliest Holocene, and does not contain the vertical or horizontal continuity of Facies A sand bodies. Facies C is laterally continuous and can be tracked down depositional dip to illustrate the lobate nature of these deposits. Facies D is generally limited to the northern limits of Sylhet basin where locally-sourced muds accumulate. Radiocarbon ages in a semi-continuous peat layer across the basin generally become younger towards the northeast, implying a northward progression of channel path selection during the mid-Holocene occupation. This peat layer appears to have been scoured during the late-Holocene occupation of the OB pathway, as evidenced by recent (~ 1.5 ky BP) sediments deposited adjacent to mid-Holocene deposits.

Facies C is characterized by predominantly (50% or more of the total thickness) mud layers up to 15 m thick, punctuated by thin (5-15 m) very fine-fine sand units (Fig. 2.3). Both the mud units and the sand layers contain sediments with bulk Sr concentrations greater than 120 ppm, indicating a Brahmaputra source (Fig. 2.4). While grain size and weathering can exert a control on bulk sediment geochemistry, it has been shown that for the GBMD system grain size variations do not significantly impact bulk Sr concentrations (Goodbred et al., 2014; Garzanti et al., 2010). In Sylhet basin, Facies C is often preserved in lobate deposits within the deepest portions of the Shillong foredeep, and as such, they are the most laterally continuous of all facies described in this study, averaging 20 km or more in width, with locally wider deposits within splay units (Table 2.1, Fig. 2.5) that can be tracked down depositional dip to illustrate the lobate nature of these deposits (Fig. 2.5, 2.6). Typically a sequence of this facies consists of basal muds, with the sand layers found in the upper portion of ~20 m thick packages. The sand fraction contains average grain sizes of 179 μm and range from 72-380 μm . Facies C is interpreted as overbank muds (the fine fraction) intercalated with splay-like sands (the coarse fraction) that prograde away from the main Brahmaputra channel into distal portions of the basin.

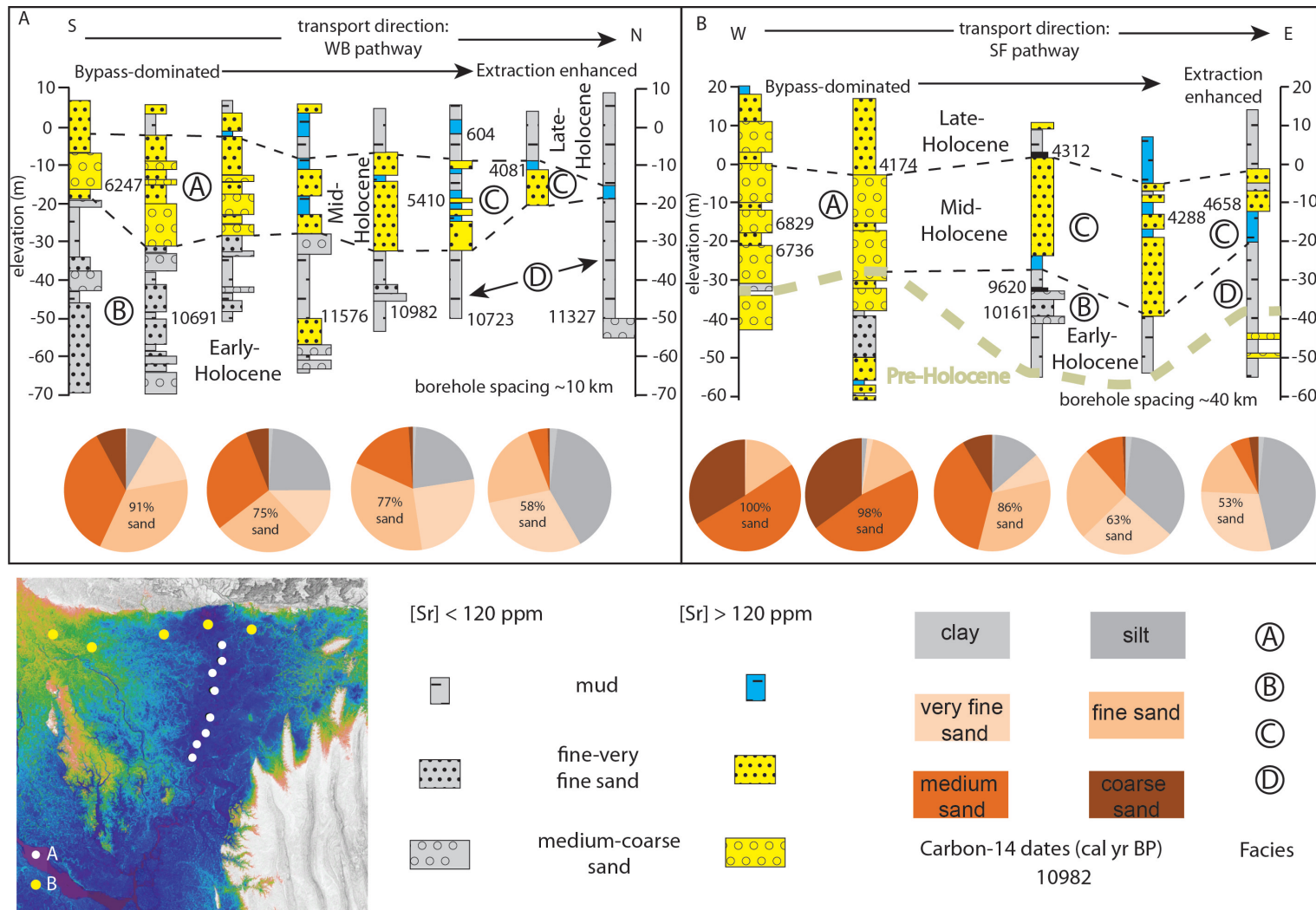


Figure 2.6: Distribution of Holocene facies within Sylhet basin. Tracking of facies C across boreholes illustrates the lobate nature of these deposits. Facies D is generally confined to the northern edges of Sylhet basin. (a) Downstream facies variability within the WB lobe entering Sylhet basin from the southwest. Pie charts illustrate percentage of clay, silt, very fine, fine, medium, and coarse sand for the two boreholes immediately above each chart. (b) Downstream facies variability within the SF lobe in the northern limits of Sylhet basin with pie charts of grain size for each borehole. Similar to the WB pathway, rapid transitions from Facies A to Facies C indicate mass extraction of the coarse fraction.

Facies D consists of muds 10-15 m thick with a non-Brahmaputra geochemical fingerprint (Fig. 2.3). This facies is distinguished from the muds in Facies B and C by their relatively low (<120 ppm) bulk Sr concentration (Fig. 2.4) and greater thickness (usually 2 to 3 times thicker than muds associated with the other facies). The spatial distribution of Facies D is limited to the northern edge of the Shillong foredeep and typically ranges from 10-15 km in width (Fig. 2.5, 2.6). This facies represents long-term accumulation of locally-sourced muds (as evidenced by the lower bulk Sr concentrations) in the subsiding Shillong foredeep at the northern margin of Sylhet basin and is equivalent to the basinal muds described in previous studies (Pickering et al., 2014; Goodbred and Kuehl, 2000a).

2.4.2 Basin history

The Holocene stratigraphy of Sylhet basin has been constructed over the modest relief (~50 m) of antecedent Pleistocene topography (Fig. 2.2, 2.5), the boundary of which can often be identified by deeply oxidized sands and low plasticity (stiff) muds, the result of extended sub-aerial exposure during lowstands of sea-level (Pickering et al., 2014; Williams, 2014; Hoque et al., 2014; McArthur et al., 2011; Ravenscroft et al., 2005). This Pleistocene topography is characterized by shallowly-buried (1-10 m deep) remnant terraces on the western side of Sylhet basin (Fig. 2.2, 2.5). These shallow surfaces are incised by local valley systems that have focused Holocene sediment delivery along two primary pathways: one following the Old Brahmaputra River course (OB) and one along the northern boundary of Sylhet basin within the Shillong foredeep (SF) (Fig. 2.2, 2.5). Along its lower reaches in southern Sylhet basin, the OB pathway splits into discrete channels around the Wari-Bateshwar erosional remnant (Fig. 2.2). The origin of these Sylhet valley systems is not well constrained, but evidence suggests that their initial connection with the Brahmaputra lowstand valley was a result of massive discharge events associated with glacial lake outburst floods originating in the Tsangpo Valley of Tibet in the early Holocene (Montgomery et al., 2004; Lang et al., 2013; Pickering, 2016).

Similarly, the northern and eastern sides of Sylhet basin contain shallow Pleistocene deposits that rapidly deepen (up to 90 m or more) towards the central part of the basin (Fig. 2.2, 2.5, 2.6). This deep central basin was the main depocenter for mid-Holocene deposits associated with the SF and Wari-Bateshwar (WB) pathways and contains no evidence of oxidation within its sediments. The Pleistocene surface rapidly shallows northward to exposed outcrops of the paleo-Brahmaputra along the south and west margins of the Shillong Massif (Pickering, 2016).

2.4.3 Mid-Holocene sediment budget

The total length of the sediment delivery pathway along the western OB course is approximately 285 km, with an average width of 15 km, yielding a total area of 4275 km² (Table 2.2). The average thickness of mid-Holocene deposits here is approximately 25 m, yielding a total volume of 1.07×10^{11} m³. Using a bulk sediment density of 1.5 Mg/m³, this represents a total mass of 1.61×10^{11} Mg, or approximately 161 Gt. The eastern OB pathway has a length of ~ 125 km and an average width of 15 km, contributing another 70 Gt to deposition along the OB pathway. Thus the total mass extracted along the bypass-dominated OB pathway is ~ 231 Gt. By comparison, the WB lobe that progrades into central Sylhet has a length of approximately 75 km and a width of about 30 km. With a resulting volume of 1.03×10^{11} m³, the total mass of the WB splay lobe is approximately 154 Gt. Similarly the SF sediment lobe has a total volume of $\sim 7.6 \times 10^{10}$ m³ (Table 2.2), accounting for a total mass of about 114 Gt. Combined, these main depocenters comprise a total mass of ~ 429 Gt of mid-Holocene sediment preserved in Sylhet basin (Table 2.2).

The seasonal lake that fills Sylhet basin has an average depth of about 7 m (Flood Action Plan, 1993). Using this value and a measured area of 8700 km², the entire central portion of the basin has a volume of about 6.1×10^{10} m³, which could be filled by a sediment mass of approximately 92 Gt (Table 2.2). Modern annual sediment load estimates for the Brahmaputra range from 0.50 to 0.65 Gt/year (Best et al., 2007), suggesting that the total

Table 2.2: Summary of sediment budget calculations for the mid-Holocene in Sylhet basin

<i>Pathway</i>	<i>Approximate length (km)</i>	<i>Mean width (km)</i>	<i>Area (km²)</i>	<i>Average sediment thickness (m)</i>	<i>Volume (m³)</i>	<i>Mass (Gt)</i>
OB west	285	15	4275	25	1.07x10 ¹¹	161
OB east	125	15	1875	25	4.69 x 10 ¹⁰	70
WB	75	30	2250	25	5.63 x 10 ¹⁰	84
SF	190	20	3800	20	7.6 x 10 ¹⁰	114
Mid-Holocene total	–	–	–	–	2.86 x 10 ¹¹	429
Sylhet basin depression	–	–	8700	7	6.1 x 10 ¹⁰	92

mid-Holocene sediment mass (~429 Gt) sequestered to Sylhet basin represents only 600-900 years of Brahmaputra discharge over the ~3500 year occupation. In other words, the modern Brahmaputra River transports enough sediment to fill the 8700 km² in central Sylhet basin at a rate of 3.8-5.0 cm/yr, meaning the entire basin could be filled with 20 m of sediment in 400-500 years. These findings imply one or more of the following: 1) the avulsion of the Brahmaputra River into Sylhet basin was only a partial avulsion and considerable discharge remained along the Jamuna pathway, 2) a significant fraction of the Brahmaputra sediment load bypassed Sylhet Basin and was thus not preserved in the stratigraphy, or 3) sediment discharge of the Brahmaputra river was considerably lower than present during the mid-Holocene.

2.5 Discussion

2.5.1 Avulsion chronology

Significant sediment aggradation in Sylhet basin began immediately after the Younger Dryas at ~11.5 ka (Goodbred and Kuehl, 2000b), with most early Holocene basin fill (20-30 m thick) characterized by fine-grained sediment sourced from local catchments (Fig. 2.5). At this time the mainstem of the Brahmaputra River was still confined to the main Jamuna valley, although there is some evidence of at least occasional spillover of Brahmaputra-sourced sediments into Sylhet basin (Fig. 2.5, Pickering et al. (2014)). The elevations of radiocarbon samples from early-Holocene deposits closely track the global

eustatic sea-level curve (Lambeck et al., 2014), indicating that sedimentation rates were sufficient to keep pace with rapid sea-level rise (Fig. 2.7). Preserved sediments from this time period are dominated by the locally sourced Facies B and D (Fig. 2.5, 2.8), which is reflected in the scale of deposits and their bulk Sr concentrations. For example, individual sand units from the early Holocene are on the order of 10-15 m thick with lateral continuity less than 10 km (Fig. 2.5, 2.8, Table 2.1). Local rivers, such as the Surma and Kushiara that drain catchments surrounding Sylhet basin, contain channels an order of magnitude smaller than the main Brahmaputra River braidelt (Flood Action Plan, 1993), and as such these deposits are of the scale expected by these smaller rivers. The source rocks from these catchments also yield sediments having a much lower bulk strontium signature than those of the Brahmaputra (Goodbred et al., 2014; Williams, 2014). Together, available evidence consistently demonstrates that Sylhet basin received limited sediment input from the Brahmaputra River throughout the late stages of the glacial maximum and early Holocene.

By about 7.5 ka, there is evidence of an abrupt occupation of the main Brahmaputra River braidbelt within Sylhet basin along a corridor ~15 km wide (about one braidbelt width) that closely tracks the OB pathway (Fig. 2.5, 2.8). Channel sands of Facies A dominate the deepest portions of this valley, with overbank sands and muds of Facies C flanking the valley margins (Fig. 2.8). However, there is no evidence for significant Brahmaputra sediment deposition in the distal Sylhet basin at this time. Rather, this channel course is largely constrained from its upstream entrance to the downstream outlet by incised shallowly-buried (<10 m) Pleistocene uplands along the far western margin of Sylhet basin (Fig. 2.5). The valley incision and base of the thalweg is reflected in the relatively low elevations of radiocarbon samples from this time period, which plot 10-20 m below sea level and indicate a position well within the backwater reach of the river (Fig. 2.7). Along this channel path the river deposited ~20-30 m thick (with locally thinner deposits) sand bodies (Fig. 2.8) that scale well with those observed in the modern Jamuna River (Best et al., 2007). Thick, amalgamated channel sands of Facies A are continuous along the

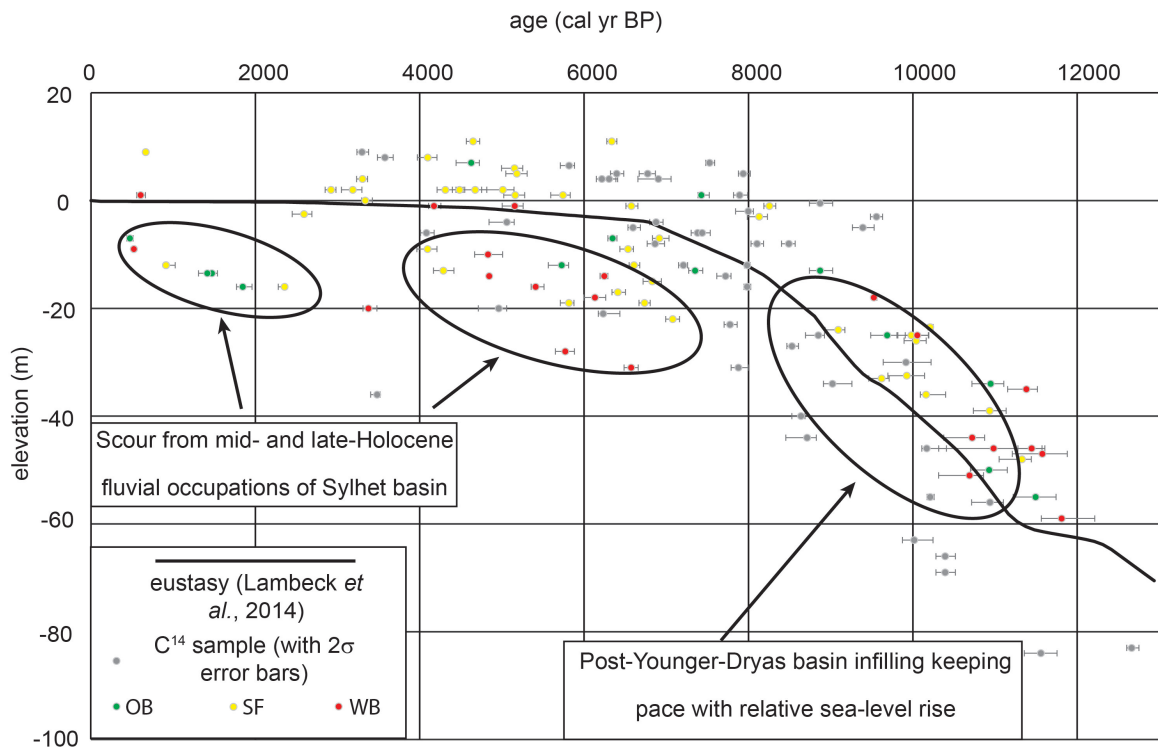


Figure 2.7: Elevation vs. age of radiocarbon samples within Sylhet basin, with sea-level curves of Lambeck et al. (2014) overlain. Locations of C14 samples from specific depositional pathways are color coded. Early Holocene sediment aggradation kept pace with sea-level rise. The mid-Holocene occupation is evident from low elevation samples, likely the result of channel scours during the occupation. Error bars represent 2σ error as reported by NOSAMS.

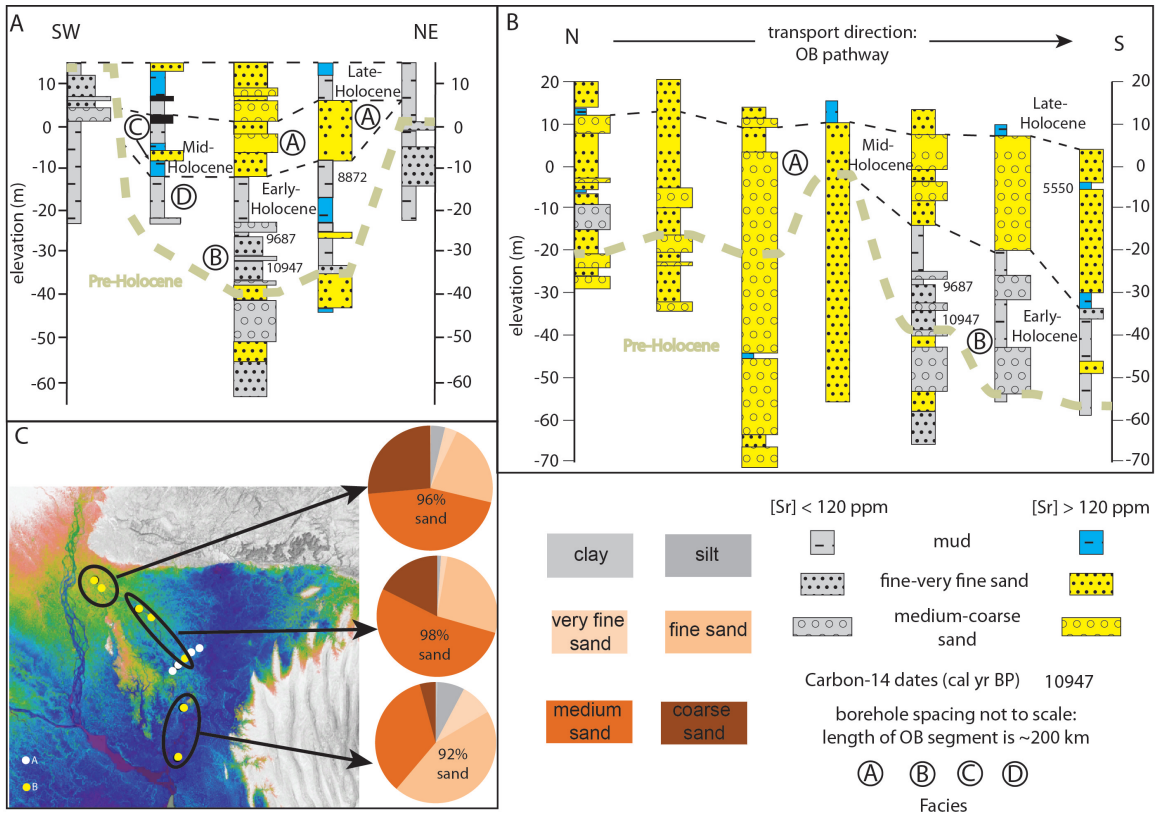


Figure 2.8: (a) Cross-stream section of the Old Brahmaputra (OB) pathway. Early Holocene deposits are dominated by non-Brahmaputra sediments (Facies B and D), whereas the mid-Holocene occupation of the Brahmaputra is evident with the prevalence of Facies A channel sands. (b) Downstream cross-section along OB showing limited facies changes and grain size variability. Pie charts show percentages of clay, silt, very fine, fine, medium, and coarse sands for the boreholes indicated on the inset map.

rivers ~200 km traverse of Sylhet basin from its entrance to outlet at the modern Meghna River. Downstream fining along this pathway is limited to the coarsest fraction, with extraction of coarse and medium sand accounting for the majority of fining along this reach. Total percent sand values only decrease from 98% upstream to 92% at the outlet (Fig. 2.8). Field and numerical modeling data suggest that the coarse fraction of a fluvial system grain size distribution is particularly sensitive to changes in precipitation and tectonics (Armitage et al., 2011; Whittaker et al., 2011; Duller et al., 2010), and thus it is reasonable to consider these results as exhibiting relatively limited downstream fining, especially when compared with the other depositional pathways in this system (Fig. 2.6). The fairly consistent grain size and lack of downstream facies variability along this pathway suggest limited fluvial sediment extraction or transient storage within the basin and that most sediment bypasses to the lower delta (Williams, 2014; Patrick, 2016).

This bypass behavior appears to persist for the first ~1500 years of the occupation, leaving the adjacent central basin under-filled and thus topographically below the surrounding Pleistocene erosional remnants. By ~6.5-6.0 ka, however, a large (~2250 km²) splay developed next to the Wari-Bateshwar erosional remnant, initiating sediment delivery to some of the deeper interior portions of Sylhet basin (Fig. 2.6). By mapping the location of radiocarbon-dated samples relative to the OB centerline, a progressive north and eastward shift of depocenter is observed as the occupation evolves (Fig. 2.9). Based on this spatial distribution of radiocarbon ages, deposition was focused along a corridor ~30 km wide on either side of the OB pathway, and didn't begin to infill the central basin until ~6.0 ka (Fig. 2.9). In contrast to the limited downstream fining and facies variability observed along the OB pathway, the WB splay shows rapid basinward change from sand-rich (91% sand) Facies A in proximal portions of the deposit to mixed sands and muds (75-77% sand) approximately 30-40 km downstream (Fig. 2.6). The deepest part of the basin exhibits a much higher mud content in the stratigraphy (58% sand) that reflects a transition to Facies C, as well as dramatic thinning of the lobe deposits from 20-30 m upstream to 5-10 m at its ter-

minus (Fig. 2.6). These changes in facies and stratigraphy are consistent with the selective deposition of coarser material (particularly medium and coarse sand) in proximal portions of the basin, creating basinward shifts toward reduced sand thickness and increasing mud content. The development of this splay also represents a transition from bypass-dominated to extraction-enhanced deposition during the mid-Holocene Brahmaputra occupation of Sylhet basin.

By about 5.0 ka, deposition shifts north along the Sylhet basin foredeep (SF pathway), where the growth of a large ($\sim 3800 \text{ km}^2$) splay delivers the first Holocene Brahmaputra sediments to the deepest part of the basin (Fig. 2.9). Like the WB splay, facies along the SF pathway transition from proximal Facies A channel sands to sand-punctuated Facies C splay deposits in the basin center (Fig. 2.6). The first $\sim 40\text{-}50 \text{ km}$ of this pathway is dominated by thick (20-30 m) packages of medium-coarse sand (average grain size $\sim 450 \mu\text{m}$). This is followed by a gradual transition over the next $\sim 20\text{-}30 \text{ km}$ where the sand fraction declines from near 100% to about 85%, with a corresponding increase in mud preservation (Fig. 2.6). Upon reaching the distal center of the basin ($\sim 200 \text{ km}$), the splay stratigraphy comprises a coarsening-up sequence of Brahmaputra-sourced muds capped by a 5-m thick sand body that reflects progradation of the splay to this position.

The spatially shifting pattern of facies and stratigraphy along the splay lobes differs considerably from the limited facies variability observed along the OB pathway, through which sediments are primarily bypassed to the basin outlet. These contrasting styles of stratigraphic architecture and concomitant downstream fining observed for the WB and SF sediment delivery pathways indicate a temporal shift towards enhanced sediment extraction over the ~ 3000 year occupation of Sylhet basin by the Brahmaputra River.

The eventual abandonment of Sylhet basin by the Brahmaputra River to its Jamuna course is evidenced by the development of a semi-continuous peat layer across the basin, which yields radiocarbon dates from 2902 cal BP to 5183 cal BP and a mean of 4250 cal BP (Fig. 2.5). In general, peat formation in the GBMD is uncommon and restricted

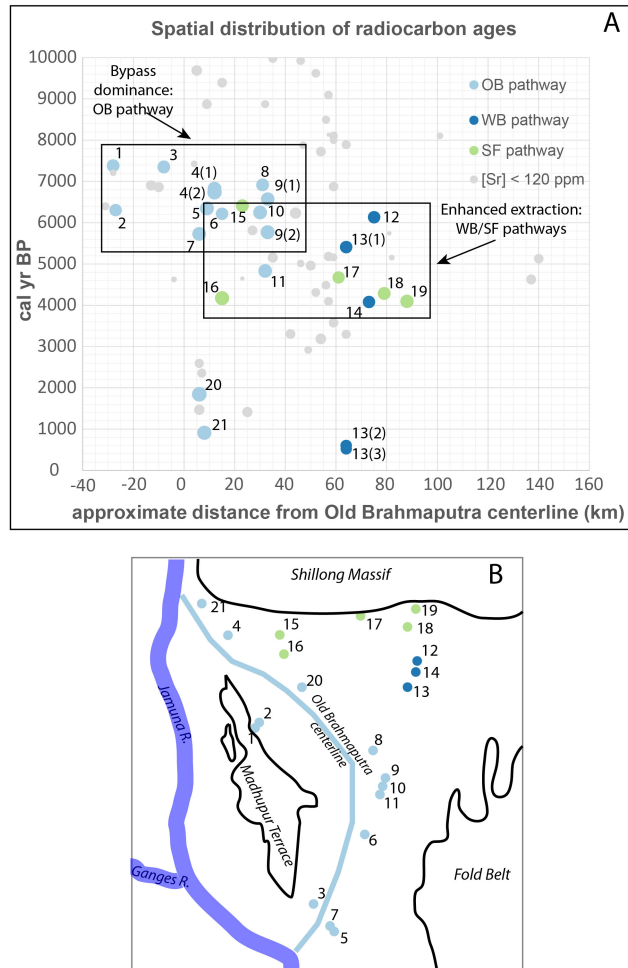


Figure 2.9: (a) Distance from the western margin of Sylhet basin to locations of radiocarbon-dated samples. Distances are measured as right angle distance from the Old Brahmaputra centerline to each borehole containing dateable carbon material. Negative distances are southwest of the centerline, positive distances are northeast. (b) Location map for boreholes containing radiocarbon-dated sample. In both figures, the three predominant sediment delivery pathways of the Holocene occupation are color-coded, showing a shift from the western margin of the basin to the basin center through time as the system shifts from bypass-dominated to enhanced-extraction regimes.

to perennially wet locations far from active fluvial sediment input, which precludes dry-season oxidation and clastic dilution, respectively. In this case, the regional peat layer in Sylhet basin represents a hiatus in clastic deposition following avulsion of the Brahmaputra River out of the basin after ~ 4.5 ka.

The Brahmaputra is known to have reoccupied Sylhet basin again in the late Holocene, which is well documented in historical maps and firsthand accounts of the rivers 18th century avulsion back to the Jamuna valley (Fergusson, 1863; Rennell and Dury, 1776). However, the initial timing and duration of the late Holocene occupation has not been known. In our core transects, a notable absence of the peat layer and overlying mud section indicates the channel location during this occupation (Fig. 2.5). The base of these channel sands where the shallow peat-mud layer has been eroded are constrained by three radiocarbon ages between ~ 1.5 -2.0 ka, which suggests the timing of this most recent avulsion into Sylhet basin (Table 2.3, Fig. 2.5, 2.9). These late-Holocene Brahmaputra sediments are primarily confined to the OB pathway and suggest a bypass-dominant mode of transport through the basin. However, two radiocarbon ages of 522 and 604 cal years BP from the WB lobe (Fig. 2.8, Table 2.3) suggest at least brief reactivation of this splay during the late Holocene occupation. Archeological evidence further corroborates this, as the eastern OB course from which the WB lobe extends was known to have been active at this time (Jahan, 2010).

2.5.2 Sediment deposition regimes

In spite of a significant and persistent topographic depression in the central portion of Sylhet basin, the preserved stratigraphy indicates that this region is not a favored pathway for the Brahmaputra River and associated fluvial sediment delivery. Of particular importance, it has been shown that 1) during at least the two most recent Holocene occupations of Sylhet basin, the preferred sediment delivery pathway for the Brahmaputra has remained along the western margin (OB course) of the depression, leaving the distal, deepest parts

Table 2.3: Summary of radiocarbon ages of Brahmaputra-sourced sediments within Sylhet basin

<i>NOSAMS ID</i>	<i>Sample ID</i>	<i>depth (m)</i>	$\delta^{13}C$	^{14}C age BP	cal yr BP	2 σ upper	2 σ lower	Sr (ppm)	<i>distance from OB centerline (km)</i>	<i>Field Lithology</i>
OS-102897	BNG-D00321	21	-29.2	6480 ±35	7381	7316	7459	128.93	-28	very fine-fine sand
OS-110736	BNG-SH708508	8	-29.2	605 ±25	604	546	652	128.65	64	mud
OS-110737	BNG-SH708518	18	-31.1	490 ±20	522	507	537	124.02	64	mud
OS-99314	BNG-B04905	5	-28.2	5390 ±60	6217	6026	6284	123.61	15	mud
OS-102899	BNG-D00510	10	-28.2	5510 ±30	6304	6221	6397	122.34	-27	very fine-fine sand
OS-106730	BNG-D10211	11	-26.9	4130 ±60	4674	4532	4820	120.02	61	mud
OS-124747	BNG-SH506134	34	-28.2	5630 ±35	6410	6317	6481	130.685	23	very fine-fine sand
OS-110748	BNG-D03732	32	-13.3	1900 ±35	1847	1734	1923	173.14	6	medium-coarse sand
OS-92941	BNG-A09739	39	-13.6	5930 ±35	6736	6667	6804	165.68	12	medium-coarse sand
OS-124741	BNG-SH505118	18	-27.9	3790 ±25	4174	4090	4240	159.99	15	peat
OS-124756	BNG-SH308535	35	-25.3	980 ±20	912	799	935	159.98	8	medium-coarse sand
OS-99454	BNG-C06111	11	-29.1	5550 ±70	6346	6292	6402	155.78	9	very fine-fine sand
OS-110731	BNG-SH703034	34	-27.2	5020 ±30	5771	5659	5891	155.74	33	very fine-fine sand
OS-110741	BNG-SH710025	25	-27.2	5350 ±35	6133	6002	6271	152.4	75	very fine-fine sand
OS-110738	BNG-SH708525	25	-29.5	4640 ±30	5410	5308	5464	152.21	64	mud
OS-110730	BNG-SH702521	21	-27.7	5450 ±30	6247	6204	6300	151.9	30	medium-coarse sand
OS-99457	BNG-C06521	21	-31.8	5000 ±70	5728	5645	5891	151.43	6	very fine-fine sand
OS-110729	BNG-SH702017	17	-27.4	4240 ±30	4831	4654	4668	150.9	32	very fine-fine sand
OS-110740	BNG-SH709514E	14	-25.6	3730 ±25	4081	3986	4151	150.87	73	mud
OS-92981	BNG-A09735	35	-23.8	5980 ±45	6829	6717	6940	147.38	12	very fine-fine sand
OS-110732	BNG-SH703037	37	-27.9	5770 ±35	6573	6487	6659	143.899	33	very fine-fine sand
OS-110746	BNG-SH713217	17	-27.9	3740 ±35	4096	3982	4227	140.97	88	very fine-fine sand
OS-110743	BNG-SH712020	20	-27.3	3860 ±25	4288	4160	4409	131.96	79	mud
OS-124748	BNG-F16020	20	-26.3	6060 ±30	6916	6799	6999	130.57	31	medium-coarse sand
OS-99458	BNG-C08121	21	-28.3	6420 ±110	7351	7258	7429	130.31	-8	medium-coarse sand

of the basin perpetually underfilled, and 2) infilling of the distal topographic low has occurred only once during the Holocene via localized splay development along the WB and SF pathways.

One possible explanation for the underfilling of the basin is the prospect of a partial avulsion, i.e. the Jamuna course was active contemporaneously with the mid-Holocene occupation of Sylhet basin. Eighteenth century maps of the region clearly show that the main Brahmaputra braidbelt occupied Sylhet basin during the late Holocene occupation; however, there are a number of distributaries along the Jamuna valley, suggesting at least some fraction of the flow was routed along this pathway (Rennell and Dury, 1776). For the mid-Holocene period, though, there are few radiocarbon dates from Jamuna valley that definitively indicate channel sand deposition at this time (Pickering et al., 2014). There are, however, significant Brahmaputra sand bodies of mid-Holocene age along the Meghna River outlet downstream of the OB pathway (Fig. 2.10), suggesting that even if there was some discharge along the Jamuna pathway, most discharge was still routed through Sylhet basin during this time.

Another possible explanation for the limited infilling of the basin is the potential for significant sediment bypass via the Meghna River outlet to the lower delta plain. Since the OB pathway was active for about 2500-3000 years (Fig. 2.9) the total sediment mass of 231 Gt (Table 2.2) equates to a mean annual extraction rate of 0.08 to 0.09 Gt/year. For the WB and SF splay lobes, radiocarbon ages show these pathways to have been active for about 2000-2500 years (Fig. 2.9). Using a total sediment mass of 198 Gt (Table 2.2), the extraction rates are \sim 0.08-0.10 Gt/year. While the radiocarbon ages suggest the WB and SF lobes were not active for the first \sim 1.0 kyr of the occupation (Fig. 2.9), in a broad sense it is reasonable to consider all three pathways active simultaneously, and thus the bulk mid-Holocene storage rate equates to 0.12 to 0.14 Gt/year.

Comparing these values to the modern sediment load of 0.5 to 0.65 Gt/year (Best et al., 2007), the average total mid-Holocene storage rates are on the order of 18-28% of the

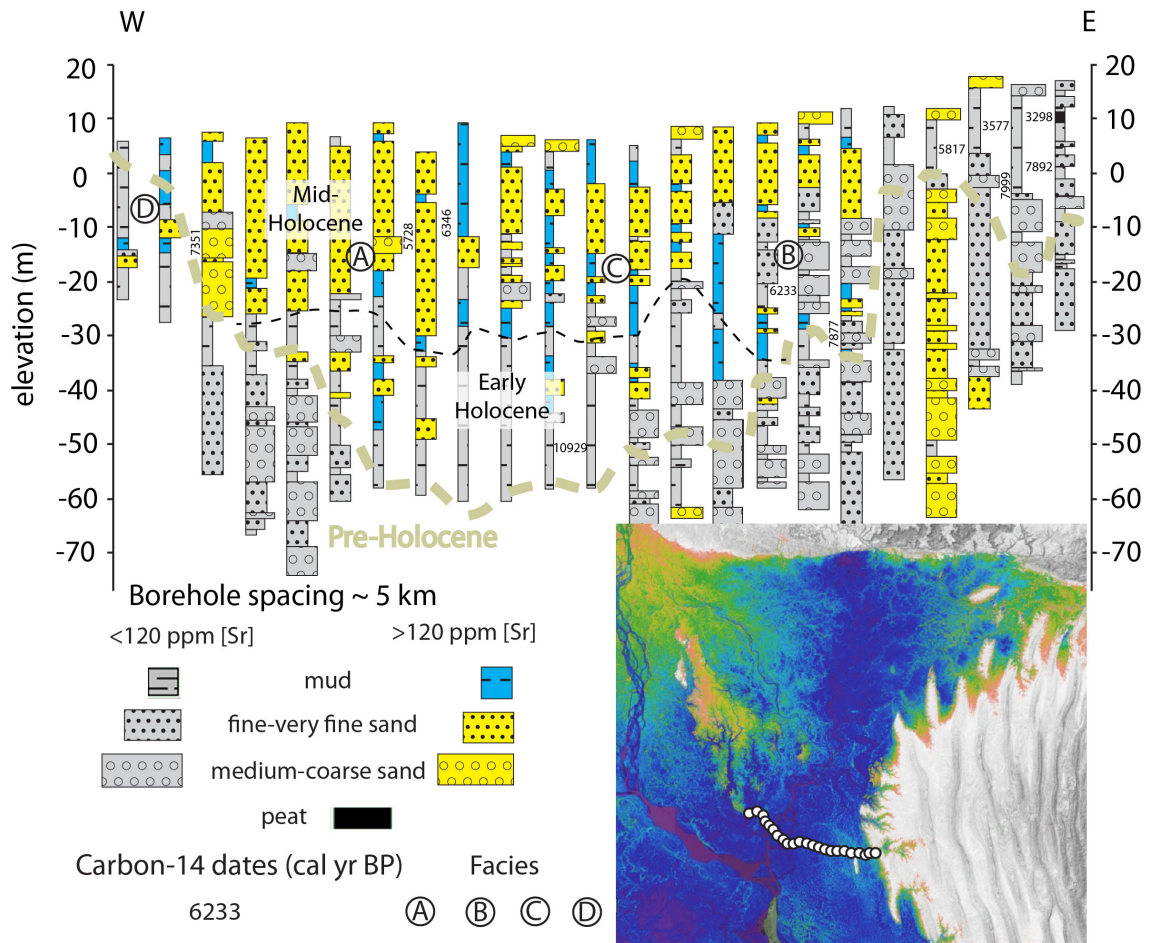


Figure 2.10: West-to-east oriented cross section in lower Sylhet basin. Muddy, locally-sourced basin fill is evident in early Holocene deposits, whereas the mid-Holocene is dominated by sandy deposits of Brahmaputra provenance. Tectonic uplift of the eastern Meghna valley is evident from the westward-dipping topography of the borehole surface elevations, as well as facies A being confined to the western side of the valley.

modern total annual discharge. Previous budget calculations for the entire delta indicate that $\sim 30\%$ of total sediment discharge is sequestered to deposition at both modern and mid-late Holocene timescales, leaving $\sim 70\%$ of the sediment load to bypass to the Bay of Bengal (Goodbred and Kuehl, 1998). This suggests that mid-Holocene sediment load was likely equivalent to or slightly less than modern discharge values. Reduced sediment flux would be consistent with paleoclimate records and modeling that indicate a relative weakening of the monsoon in the mid-Holocene (Wanner et al., 2011; Hu et al., 2008), as well as enhanced incision of fluvial terraces developed during the more intense monsoons of the early Holocene (Bookhagen et al., 2006; Pratt-Sitaula et al., 2004). The analysis presented above is inconclusive with regard to the effect of reduced ISM intensity on sediment delivery to Sylhet basin. However, a weakened monsoon and reduced river discharge would have implications for the regional water budgets and seasonal water levels in Sylhet basin. In the following section we explore how such hydro-climatic controls may have also influenced channel path selection during the long-term mid-Holocene occupation of Sylhet basin by the Brahmaputra River.

2.5.3 Controls on river path selection

Clear spatial trends in deposition emerge from the distribution of radiocarbon dates from the mid-Holocene occupation, suggesting that the locus of sedimentation in Sylhet basin shifted to the north and east over the ~ 3500 year time period, increasingly interacting with the main central basin (Fig. 2.9, Table 2.3). Active deposition during the early part of the occupation (~ 7 -7.5 ky) is primarily distributed along the western OB pathway, and then subsequently the eastern OB pathway from ~ 7.0 -5.0 ky (Fig. 2.9). Except for one outlier (sample #15 in Fig. 2.9), there is no evidence of sediment deposition in central Sylhet basin until ~ 6.0 ky, suggesting that the system was in bypass-dominant mode for the first ~ 1.0 -1.5 ky of the occupation. In contrast, the vast majority of radiocarbon samples from the second half of the occupation (~ 4.0 -6.0 ky) lie along the WB and SF pathways

in the central basin (Fig. 2.9), reflecting major splay development and a reorganization of the fluvial transport system toward enhanced sediment extraction. The late Holocene occupation is similar in that it is dominated by deposits confined to the OB course, leaving the central basin under-filled before avulsing to the Jamuna course (Fig. 2.9).

As demonstrated in other studies (e.g. Hickson et al. (2005); Straub et al. (2014)), the dependency of a channel to migrate laterally depends on the ratio of the channel aggradation timescale (driven primarily by autogenic processes) to tectonic subsidence timescale (driven primarily by allogenic processes). Intuitively, one might conclude that a progressive shift in deposition toward the deepest portions of the basin over the course of a 3000-3500 year occupation of Sylhet basin is expected given the increasing cross-stream gradient that would develop between the aggrading channel and subsiding basin. While this trend is observed in the field data in a broad sense and is supported by modeling results (Reitz et al., 2015), elevations of radiocarbon samples within Sylhet basin closely track the global sea-level curve (Fig. 2.7), suggesting limited net subsidence over the timescale of this occupation. Therefore, it is likely that some other forcing mechanism is contributing to river path selection in the basin.

Numerous studies (Wanner et al., 2011; Hu et al., 2008; Fleitmann et al., 2007; Dykoski et al., 2005; Wang et al., 2005; Mayewski et al., 2004) have demonstrated weakened monsoon conditions in south Asia during the mid-Holocene. There are several potential implications for a weakened monsoon on GBMD fluvial system behavior including 1) reduced sediment flux, which in turn would increase the avulsion timescale and thus favor tectonic steering of channels over autogenic processes, and 2) a lowering of water-surface elevation for the seasonal lake that floods Sylhet basin during the monsoon. A persistent lake in central Sylhet basin is a likely consequence of higher precipitation amounts during the strong early Holocene ISM. Additionally, westward and northward tilting of the eastern Meghna valley is evident in the DEM as well as the surface elevations of the boreholes along the southern edge of Sylhet basin (Fig. 2.10). Stratigraphic and tectonic evidence

suggest that the deformation front of the IBR has influenced fluvial system behavior (Uddin and Lundberg, 2004; Sikder and Alam, 2003), including the preservation of facies A channel sands being confined to the western side of the valley (Williams, 2014) (Fig. 2.10). Tectonic uplift of the Meghna valley could plausibly enhance flooding in northern Sylhet basin. A large body of water could create both a local backwater effect as well as generate an effective reduction in surface slope to the basin interior (Fig. 2.11). This reduction in hydraulic gradient during strong monsoons could create a hydrologic barrier to channel path migration toward the central basin, thus pinning the braidbelt to the western side of Sylhet basin. A similar effect at much shorter temporal scales has been noted in the Amazon basin during strong El Nino events (Aalto et al., 2003; Dunne et al., 1998). A change in climatic boundary conditions (i.e. reduced precipitation under a weakened monsoon and resulting lake surface elevation reductions) would lessen this hydrologic barrier such that overbank discharge and splay development could propagate toward the under-filled basin interior (Fig. 2.11).

Large variability in seasonal precipitation and local hydrology have been shown to be important in analogous tropical river settings (e.g. Aalto et al. (2003); Penny (2006)). Tonle Sap, a large freshwater seasonal lake along the lower Mekong River, exhibits extreme changes in hydrology, lake level, and sediment exchange as a function of strong seasonality in the regional monsoon (Kummu et al., 2014). During the dry season, this lake drains to the southeast through the Tonle Sap River and joins the Mekong River en route to the South China Sea. During the monsoon season, however, the Tonle Sap River reverses flow direction and the lake receives water from the Mekong River, causing a fivefold change in the size of the lake (Fujii et al., 2003). This reversal of flow is caused by a change of hydraulic head, and can be thought of as a rapidly shifting hydrologic barrier analogous to that which prevented the Brahmaputra River from occupying the deepest portions of Sylhet basin. The Tonle Sap/Mekong system is an example of a flood pulse system as defined by Junk (1997), whereby a river and its adjacent floodplain are considered an indivisible

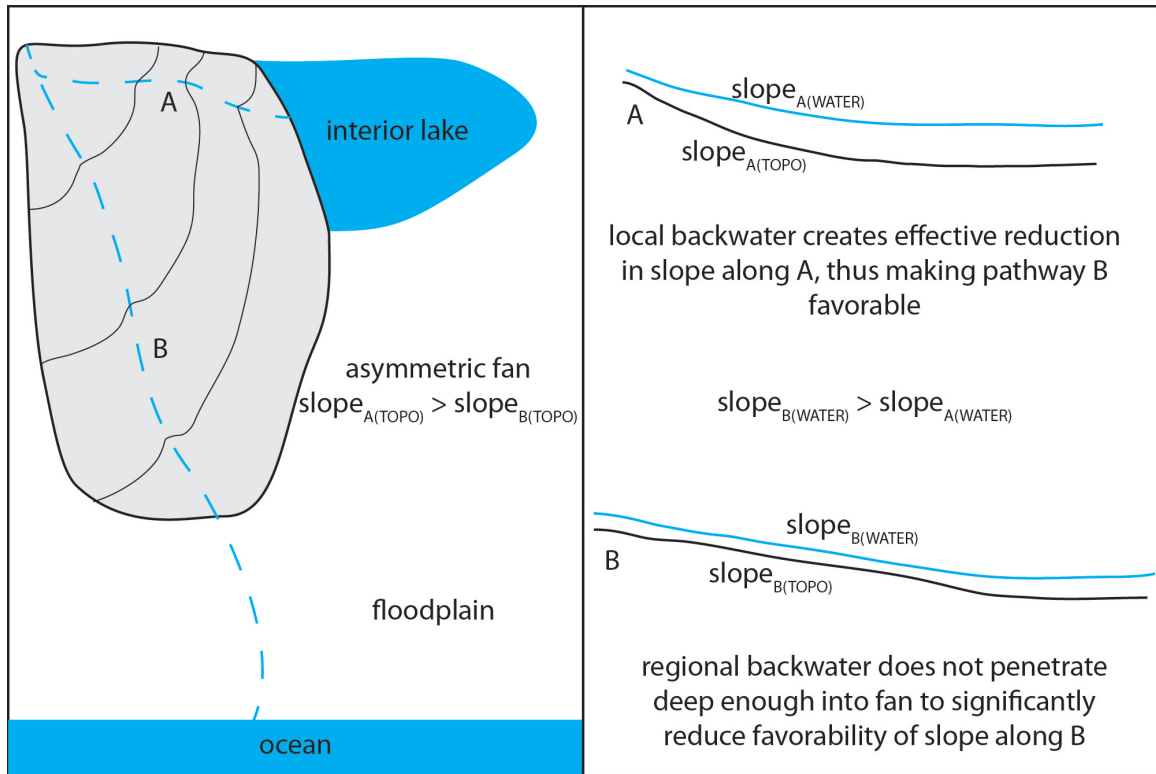


Figure 2.11: Conceptual model of hydrologic barrier. An asymmetric fan with 2 favored flow paths interacts with the local backwater of an interior lake and the regional backwater of the ocean (left). The local backwater effect of the lake produces an effective reduction of slope along pathway A, even though it contains a steeper topographic gradient than pathway B (right). Removal of the interior lake would expose the steeper topographic gradient of A and thus remove the hydrologic barrier.

unit due to the water and sediment interactions that occur during flood pulses. In the case of the Mekong River, the flood pulse is associated with large increases in discharge as the result of the annual monsoon, followed by waning flow and a reversal of discharge as the monsoon diminishes. Approximately 8 Mt/year of suspended sediment are routed into the lake during the wet season, whereas only 1.5 Mt/year return to the Mekong via outflux (Kummu et al., 2014). This means that approximately 80% of the sediment supplied to Tonle Sap from the Mekong is sequestered in the floodplain by vegetation and used by the local ecosystem (Penny, 2006).

This setup can be thought of as analogous to Sylhet basin. Towards the end of the dry season, Tonle Sap has filled and there is a negligible hydraulic gradient between it and the Mekong River. At this point, water and sediment flux declines (and eventually reverses), similar to the impact a persistent large lake in Sylhet basin would have on Brahmaputra River behavior during strong monsoon periods. Late in the dry season, a strong hydraulic gradient is established, and a large flux of sediment and water enter the Tonle Sap from the Mekong. Similarly, if the persistent Sylhet basin lake were to diminish due to weakened monsoon conditions in the late Holocene, a strong local hydraulic gradient would draw water and sediment flux into central Sylhet basin (Fig. 2.11).

There is conclusive evidence that the Mekong system experienced a regime change to flood pulse related processes sometime between ~ 5.5 -4.0 ka (Day et al., 2011; Nagumo et al., 2013). This change also coincides with a decrease in sedimentation rate (Penny, 2006), which, as stated above, is evidence of storage of Mekong-sourced sediments within the floodplain during oscillating flood/ebb currents associated with the wet and dry seasons of the Mekong system. The timing of this transition in the Mekong Basin coincides well with the initiation of extraction-enhanced deposition and eventual abandonment of Sylhet basin by the Brahmaputra River (Fig. 2.9). At about 2.0 ka, monsoon intensity began to stabilize then increase slightly towards modern intensity (Wang et al., 2005). If this stabilization and subsequent increase in monsoon intensity towards the end of the Holocene

created conditions of enhanced flood lake stability in Sylhet basin, it could account for the observed late Holocene behavior of the Brahmaputra River remaining pinned to the western margin of the basin during its most recent occupation. This would imply that Sylhet basin is currently in an underfilled state and primed for infilling during the next Brahmaputra occupation event, depending on the stability of the seasonal lake at that time.

2.6 Conclusions

The Holocene sediments of Sylhet basin associated with repeated avulsions of the Brahmaputra River present a unique opportunity to evaluate fluvial system behavior in the context of climate, tectonics, and autogenic processes. By carefully examining the sediment archive of this region, three key observations have been made:

1.) In spite of favorable topographic and tectonic conditions within central Sylhet basin, the Brahmaputra River has repeatedly bypassed this region by favoring a pathway along the west side of the basin. This is in contrast to predicted outcomes based on experimental studies (e.g. Hickson et al. (2005); Straub et al. (2014)), partly due to the limited amount of cross-stream gradient that can be generated over the time period of the occupation (~ 3.0 - 3.5 ky). It is likely also coupled with a weakened monsoon condition that has been noted by other studies in southeast Asia (Wang et al., 2005; Day et al., 2011; Dykoski et al., 2005).

2.) The deepest portions of the basin are only filled by the progradation of large sandy splays, which become increasingly prevalent during the mid-Holocene occupation and a weakening summer monsoon. These observations demonstrate that the Brahmaputra River system varies between bypass-dominated and extraction-enhanced states due to interactions with local hydrology of Sylhet basin. While significant sediment bypass accounts for some of the reduced preserved mass within the basin, it is also possible that weakened monsoon conditions in the mid-Holocene slightly decreased sediment flux and removed a hydrologic barrier to the central basin. This increase in hydraulic head gradient allowed the river to prograde and infill Sylhet basin during the extraction-enhanced phase of the occupation.

3.) Mass balance calculations demonstrate that mean annual sediment extraction to Sylhet basin during the mid-Holocene occupation is on the order of 18-28% of the modern flux, whereas basinwide observations indicate $\sim 30\%$ sediment preservation in the Bengal basin. While this possible reduction in sediment flux may not be significantly less than modern values, it may have been enough to contribute to the basinward shift in deposition described above, as well as the prolonged phase of channel occupation in Sylhet basin (~ 3500 years), which is 1.5-2.0 times longer than the field-based average (Pickering et al., 2014; Goodbred and Kuehl, 2000a) and that predicted by modeling (Reitz et al., 2015).

Chapter 3

Quantifying mass extraction and downstream fining patterns across the Sylhet Basin of the Ganges-Brahmaputra-Meghna delta¹

3.1 Abstract

The removal of sediment mass to deposition in sedimentary systems creates predictable patterns of downstream fining and facies changes. We examine the mid-Holocene sedimentary record of the Ganges-Brahmaputra-Meghna Delta (GBMD) in a mass balance framework to demonstrate a shift from bypass-dominated to extraction enhanced modes of sediment dispersal during a mid-Holocene occupation of Sylhet basin involving three discrete sediment transport pathways. Along one persistent pathway, low rates of downstream fining, minimal variability in sand fraction, and the presence of amalgamated channel sands reflect limited mass extraction and a dominant mode of sediment bypass. Along two other pathways that extend into the basin interior, enhanced mass extraction is evidenced by rapid downstream fining and the prevalence of lower net:gross values within splay deposits that prograde into the deepest parts of Sylhet basin, where accommodation is greatest. For each of these three pathways, we spatially apportioned the distribution of sediment mass to calculate chi (χ), a scale-independent dimensionless downstream distance that represents the total fraction of supplied sediment flux lost to deposition at any given point in the system. Both of the basin interior splay deposits show distinct facies shifts and a sharp reduction in net:gross at a χ value of ~ 0.6 , consistent with experimental and field results from a variety of depositional settings. No comparable changes occur along the bypass-dominated pathway, suggesting that this course was occupied by the main river course, whereas the interior pathways represent large distributary splays. A similarity solution model based on a relative mobility function accurately recreates the spatial patterns of mass extraction

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observed in Sylhet basin. Our findings, in conjunction with other field and experimental studies, provide further evidence that downstream changes in grain size and stratigraphic architecture are quantifiable and predictable when examined in a mass balance framework.

3.2 Introduction

Fluvial systems are the primary mechanism of transporting eroded sediments from mountainous source areas to lowland areas of deposition. Understanding the temporal and spatial patterns of sediment dispersal in these systems can lead not only to improved discovery and recovery of natural resources, but can provide insight into the tectonic and climate boundary conditions acting at the time of transport and deposition (Allen, 2008). Trends in grain size have received particular attention as they are likely a direct consequence of the interplay of these boundary conditions (Heller and Paola, 1992; Robinson and Slingerland, 1998; Marr et al., 2000; Sheets et al., 2002; Densmore et al., 2007).

Downstream fining models aimed at modern systems often rely on complicated formulations derived empirically from studies of particle mechanics and differential mobility (Parker, 1991; Hoey and Ferguson, 1997; Paola and Seal, 1995; Robinson and Slingerland, 1998). Unfortunately, the hydraulic parameters required for these treatments are often unattainable in stratigraphic datasets (Fedele and Paola, 2007; Duller et al., 2010; Whittaker et al., 2011). Recent efforts have applied a similarity approach to simplify these complex formulations as well as to make use of information available from field-scale stratigraphic studies (Fedele and Paola, 2007). This approach has been applied to modern rivers, experiments, and outcrop data (Fedele and Paola, 2007; Duller et al., 2010; Whittaker et al., 2011), but has yet to be applied to field data of a temporal scale intermediate between modern and ancient (i.e. millennial).

The simplified sorting models are closely related to recent attempts to quantify sediment mass loss to deposition using a scale-independent framework (Strong et al., 2005; Paola and Martin, 2012). These studies transform sedimentary deposits into a dimensionless chi (χ)

space, whereby downstream distance is defined not by distance but the fraction of input sediment stored to deposition. This work suggests that breaks in stratigraphic architecture and preserved facies occur at distinct locations in χ space in depositional systems of varying scales (Paola and Martin, 2012). Work to date includes studies of grain size change in experimental and field fluvial systems, and of facies changes in experimental and field turbidite systems (Paola and Martin, 2012). A logical next step is a detailed examination of downstream facies and grain size changes in a mass balance framework in a major modern fluvial depositional system.

Here we apply both a self-similarity model and a mass balance approach to facies changes and downstream fining trends in a large fluvial system, the Ganges-Brahmaputra-Meghna delta (GBMD). Additionally, we explore the relationship between mass extraction, median sand size, and percent mud in the stratigraphic record. An extensive drilling program on the delta over the past 5 years has provided uniquely dense, comprehensive data on the Holocene evolution of the system in terms of interactions of autogenic and allogenic processes (Pickering et al., 2014; Goodbred et al., 2014; Reitz et al., 2015; Wilson and Goodbred, 2015; Pickering et al., 2017; Sincavage et al., 2017a). Sylhet basin in particular represents an ideal field-scale basin for mass-balance analysis due to relatively good constraints on sediment input/output, age, provenance, and rates of subsidence (Steckler et al., 2008; Goodbred et al., 2014; Reitz et al., 2015; Sincavage et al., 2017a). A detailed Holocene avulsion history of Sylhet basin has demonstrated two main modes of fluvial system behavior: bypass dominance with minimal sediment extraction, and enhanced extraction (Pickering et al., 2014; Sincavage et al., 2017a). We reveal how these behaviors can be quantitatively identified, and compare this system to other depositional settings of variable scales.

3.3 Methods

3.3.1 Stratigraphic framework

Sincavage et al. (2017a) describe the stratigraphic framework and mid-Holocene sedimentary history of Sylhet basin using a network (3-5 km spacing) of over 400 shallow (up to 90 m) tube wells across Bangladesh. Pickering et al. (2014) and Sincavage et al. (2017a) detail data collection and laboratory analyses employed for this work. For the present study, we focus on the three sediment delivery pathways defined by Sincavage et al. (2017a): the Old Brahmaputra (OB), Wari-Bateshwar (WB), and Sylhet Foredeep (SF) pathways (Fig. 3.1). Sediment transport early in the mid-Holocene occupation (~ 7.5 -5.0 kyr) was focused along the OB pathway, and later (~ 6.0 -4.0 kyr) shifted to the WB and SF depocenters in the basin interior (Fig. 3.1).

An extensive dataset of nearly 200 radiocarbon ages provides the geochronology for the basin. In addition, relative age relationships were determined using the weathering characteristics of mud deposits, in particular distinguishing Pleistocene- vs. Holocene-aged sediments (Pickering et al., 2017). Bulk strontium concentrations are linked to sediment provenance, allowing Brahmaputra-sourced sediments to be distinguished from those derived from local catchments (Goodbred et al., 2014).

It has been shown that the Brahmaputra River occupied the OB pathway numerous times during the Holocene (Pickering et al., 2014; Sincavage et al., 2017a). The characteristic amalgamated channel sands prevalent along this pathway can make it difficult to distinguish sediments of the mid-Holocene occupation from the overlying late Holocene unit. Fortunately there are distinct differences in magnetic susceptibility values between the two populations such that the upper boundary of the mid-Holocene sedimentary deposit can be determined (Fig. 3.2). Late Holocene deposits typically have a narrow range of magnetic susceptibility values, which are also lower than mid Holocene deposits (Late Holocene average = 78.49, SD = 61.47; Mid Holocene average = 127.78, SD = 96.78).

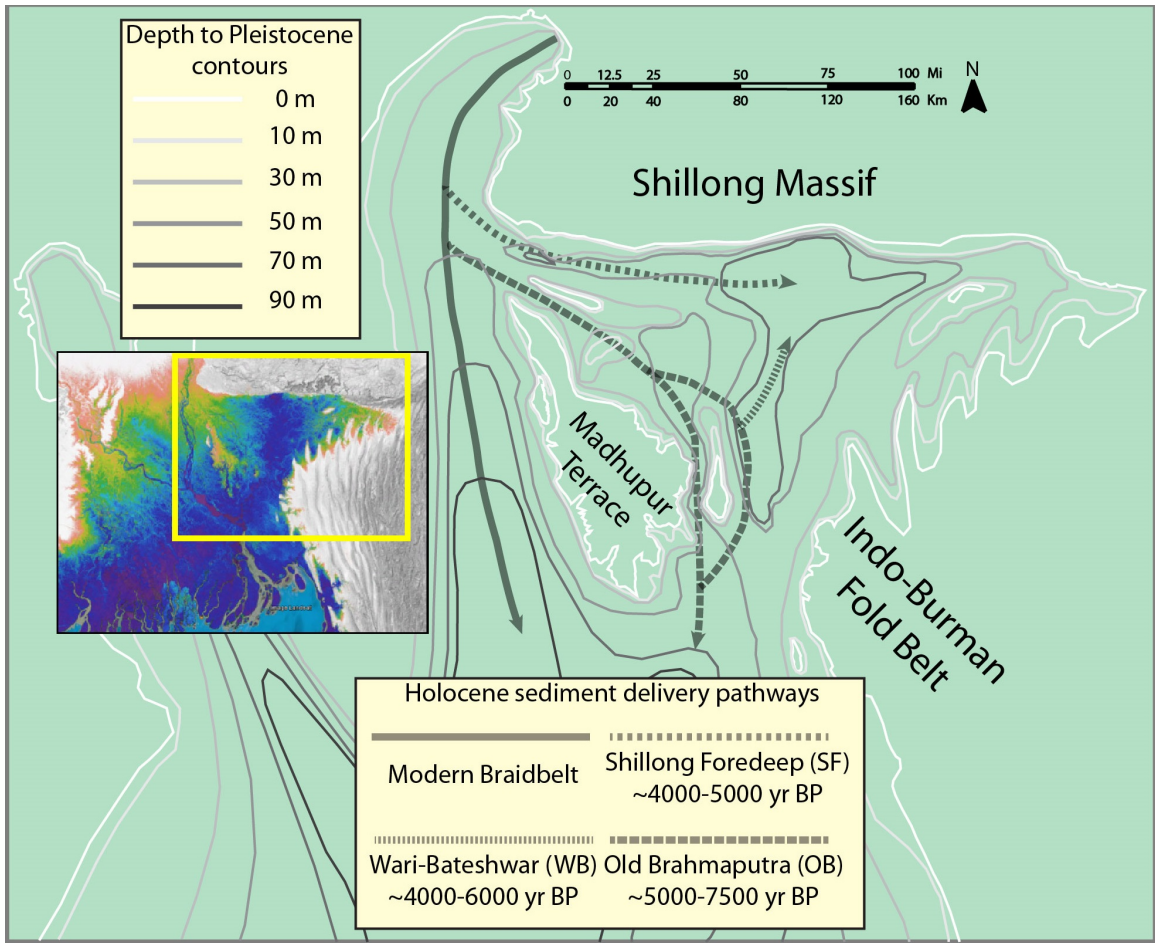


Figure 3.1: Holocene isopach map of Sylhet basin. Predominant Holocene sediment delivery pathways and their estimated periods of activity are shown (after Sincavage et al. (2017a)).

Discrete sand units show a decrease in susceptibility near the top of the deposit associated with fining towards a capping mud unit, which also aids in their identification (Fig. 3.2). Using this suite of geochronologic, geochemical, and grain size data, we delineate the total extent of mid-Holocene deposits within the basin.

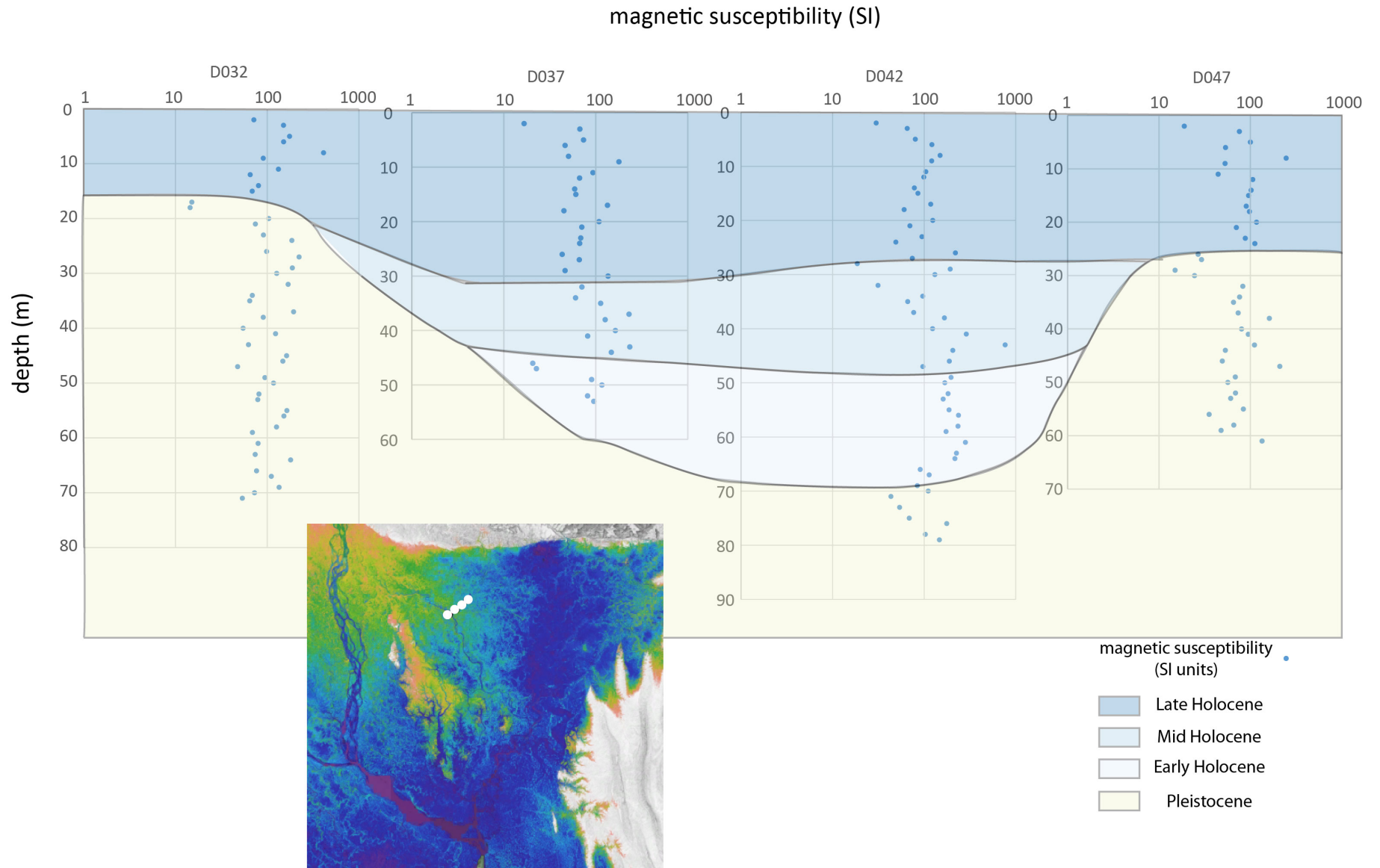


Figure 3.2: Magnetic susceptibility (MS) profiles along the OB pathway in Sylhet basin. MS characteristics and vertical trends were used to identify early, middle, and late Holocene deposits.

3.3.2 Sediment budget and chi transformation

To calculate the rate of sediment extraction along each pathway, we begin by estimating the total mass of the sediment lobes based on the upper and lower boundaries of the mid-Holocene sediment packages mapped in each borehole as described above (Table 3.1). We mapped the areal extent of each sediment lobe using Google Earth and generated a sediment isopach map using the thickness data from each borehole (Fig. 3.3).

Table 3.1: Thickness values of mid-Holocene sediments for each borehole

<i>Lobe</i>	<i>Transect</i>	<i>Bore</i>	<i>Top Depth (meters)</i>	<i>Bottom Depth (meters)</i>	<i>Thickness (meters)</i>
SF	SH1	95	37	50	13
SF	SH1	100	30	35	5
SF	SH2	95	30	37	7
SF	SH3	80	37	52	15
SF	SH3	85	29	46	17
SF	SH3	90	34	47	13
SF	SH3	95	24	29	5
SF	SH4	82	27	41	14
SF	SH4	86	23	41	18
SF	A	97	32	51	19
SF	A	100	14	32	18
SF	A	103	30	58	28
SF	A	106	29	50	21
SF	A	109	20	23	3
SF	SH5	5046	6	24	18
SF	SH5	5051	21	44	23
SF	SH5	5056	12	30	18
SF	SH5	5061	24	34	10
SF	D	67	9	31	22
SF	D	72	9	32	23
SF	D	77	8	37	29
SF	D	82	11	37	26
SF	D	85	11	35	24
SF	D	88	11	37	26
SF	D	91	12	37	25
SF	D	94	15	32	17
SF	D	96	23	29	6
SF	SH7	7110	11	32	21
SF	SH7	7115	20	46	26
SF	SH7	7120	17	46	29
SF	SH7	7123	11	38	27
SF	SH7	7126	14	41	27

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Table3.1 – continued from previous page

<i>Lobe</i>	<i>Transect</i>	<i>Bore</i>	<i>Top Depth (meters)</i>	<i>Bottom Depth (meters)</i>	<i>Thickness (meters)</i>
SF	SH7	7129	6	23	17
SF	SH7	7132	12	30	18
SF	SH8	8005	12	24	12
SF	SH8	8009	14	29	15
SF	SH8	8013	11	30	19
SF	SH8	8017	17	32	15
SF	SH8	8021	6	29	23
SF	SH8	8024	6	20	14
SF	SH8	8029	6	24	18
WB	F	75	5	17	12
WB	F	79	6	17	11
WB	F	084	11	23	12
WB	F	089	2	26	24
WB	F	095	2	35	33
WB	F	101	6	29	23
WB	F	107	3	29	26
WB	F	113	2	34	32
WB	F	155	6	38	32
WB	F	160	3	37	34
WB	F	165	11	32	21
WB	F	170	11	29	18
WB	SH7	15	9	30	21
WB	SH7	20	2	27	25
WB	SH7	25	2	26	24
WB	SH7	30	2	29	27
WB	SH7	35	9	37	28
WB	SH7	40	2	38	36
WB	SH7	45	6	32	26
WB	SH7	50	5	41	36
WB	SH7	57	2	34	32
WB	SH7	63	8	35	27
WB	SH7	68	14	34	20
WB	SH7	73	12	37	25
WB	SH7	80	18	30	12
WB	SH7	85	17	38	21
WB	SH7	90	6	35	29
WB	SH7	95	5	32	27
WB	SH7	95.5	11	21	10
WB	SH7	100	11	32	21
WB	SH8	59	14	18	4
WB	SH8	64	11	18	7
OB	A	83	12	17	5
OB	A	85	12	17	5
OB	A	88	15	26	11

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Table3.1 – continued from previous page

<i>Lobe</i>	<i>Transect</i>	<i>Bore</i>	<i>Top Depth (meters)</i>	<i>Bottom Depth (meters)</i>	<i>Thickness (meters)</i>
OB	A	91	17	30	13
OB	B	35	14	38	24
OB	B	39	11	32	21
OB	B	43	3	26	23
OB	B	47	3	30	27
OB	C	61	11	34	23
OB	C	65	5	27	22
OB	C	69	3	29	26
OB	C	73	2	24	22
OB	C	77	2	26	24
OB	C	81	8	27	19
OB	D	37	30	44	14
OB	D	42	29	47	18
OB	F	187	11	23	12
OB	F	192	15	27	12
OB	F	197	23	27	4
OB	G	175	6	23	17
OB	G	181	5	26	21
OB	G	187	2	24	22
OB	G	193	3	30	27
OB	G	207	8	24	16
OB	G	212	3	20	17
OB	G	217	9	20	11
OB	G	222	8	21	13
OB	G	227	9	18	9
OB	SH4	73	26.5	43	16.5
OB	SH5	36	8	24	16
OB	SH5	41	8	17	9
OB	X	8	9	23	14
OB	X	9	11	24	13
OB	X	10	15	27	12
OB	X	11	12	26	14
OB	SH7	5	2	12	10
OB	SH7	10	3	27	24

The centerline of each pathway was then defined following its depositional dip and subdivided into equally spaced distances (10 km for WB, 20 km for SF, and 30 km for OB). These subdivisions were defined to maximize the density of borehole data within each subdivision based on the spacing of drilling transects (Fig. 3.3). We estimated total sediment volume for each contour interval between these equally-spaced points by drawing polygons in Google Earth. Using an average sediment density of 1.5 g/cm³ and the median

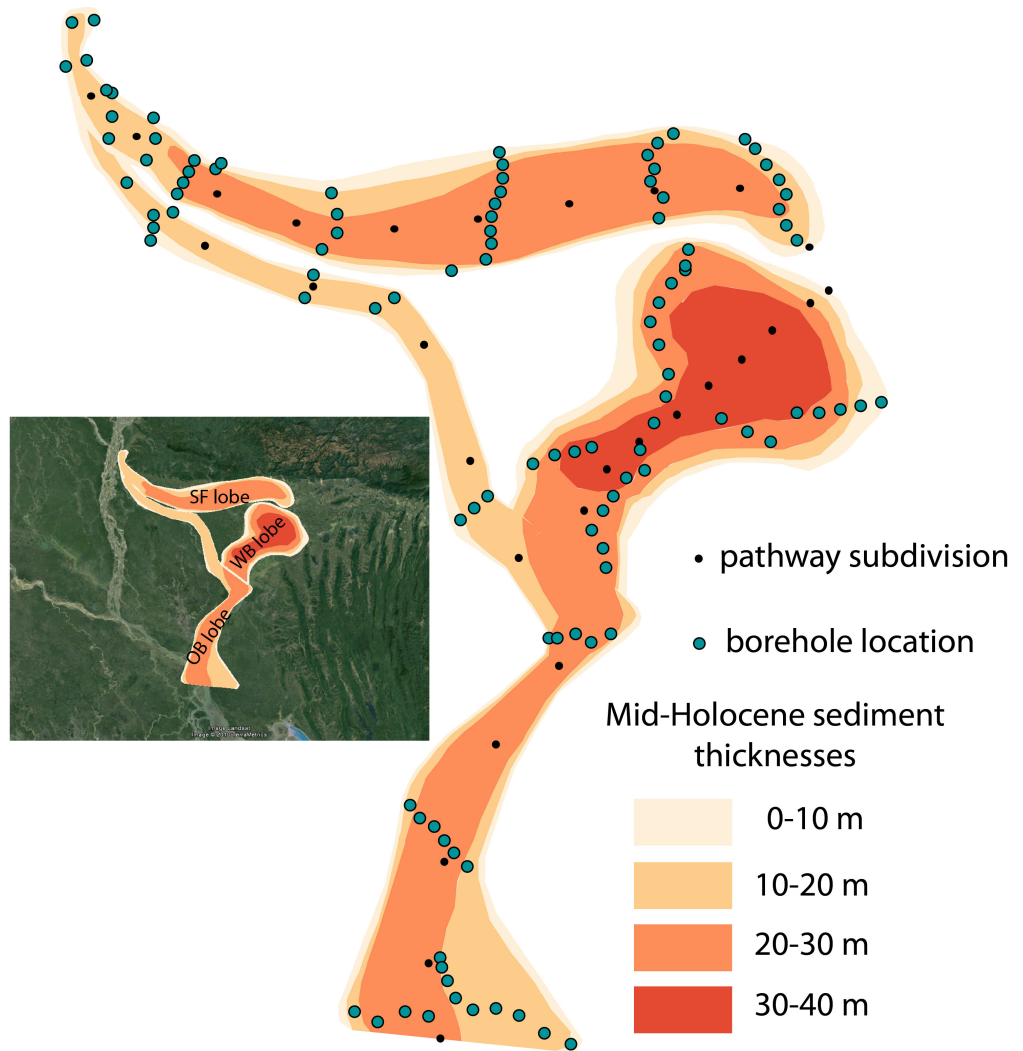


Figure 3.3: Thicknesses of mid-Holocene sediment packages within Sylhet basin. Black dots correspond to subdivisions of each pathway that were used in the sediment budget calculations, and green dots represent borehole locations along each sediment pathway.

thickness for each contour interval (e.g. 15 m for the 10-20 m contour interval) allows us to calculate the cumulative sediment mass at each equally-spaced point along the center line of deposition (Table 3.2).

Table 3.2: Mid-Holocene sediment mass for each lobe

<i>lobe</i>	<i>downstream distance (km)</i>	<i>area (km²)</i>	<i>volume (km³)</i>	<i>mass (Gt)</i>	<i>cumulative mass (Gt)</i>	χ
OB	0-30 km	245.8	2.60	3.90	3.90	0.03
OB	0-60 km	243.8	3.01	4.51	8.41	0.07
OB	0-90 km	258.9	3.32	4.99	13.40	0.11
OB	0-120 km	258.2	3.42	5.13	18.53	0.15
OB	0-150 km	376.8	5.04	7.55	26.08	0.21
OB	0-180 km	524.8	11.19	16.79	42.87	0.35
OB	0-210 km	359.3	7.58	11.36	54.24	0.44
OB	0-240 km	632.2	13.35	20.03	74.27	0.60
OB	0-270 km	957.8	17.94	26.91	101.17	0.82
OB	0-285 km	791.5	14.60	21.90	123.07	1.00
SF	0-20 km	141.4	1.41	2.11	2.11	0.02
SF	0-40 km	206.4	2.53	3.80	5.91	0.05
SF	0-60 km	275.9	4.58	6.87	12.78	0.12
SF	0-80 km	280.9	5.24	7.85	20.63	0.19
SF	0-100 km	477.5	8.49	12.74	33.37	0.30
SF	0-120 km	541.7	10.32	15.49	48.86	0.44
SF	0-140 km	588.5	13.05	19.57	68.43	0.62
SF	0-160 km	522.2	11.61	17.41	85.84	0.78
SF	0-180 km	537	10.96	16.44	102.28	0.93
SF	0-200 km	379.6	5.17	7.76	110.03	1.00
WB	0-10 km	362.91	7.75	11.62	11.62	0.08
WB	0-20 km	358.5	7.64	11.45	23.08	0.16
WB	0-30 km	311.7	7.82	11.72	34.80	0.25
WB	0-40 km	323.7	7.24	10.87	45.67	0.33
WB	0-50 km	540.5	12.19	18.28	63.95	0.46
WB	0-60 km	695.9	18.48	27.72	91.67	0.65
WB	0-70 km	752.8	20.92	31.38	123.05	0.88
WB	0-80 km	634.8	10.98	16.48	139.52	0.99
WB	0-85 km	80.5	0.63	0.94	140.46	1.00

As described by Strong et al. (2005), downstream distance in a depositional system can be identified in a scale-independent manner by documenting the mass lost to deposition at any given point. This downstream mass loss is represented by the non-dimensional χ value that varies from 0 at the upstream end (0% mass extraction) to 1 at the downstream end of deposition (100% mass extraction). This transformation normalizes downstream distance to fraction of mass lost to deposition as given by the following equation:

$$\chi(x) = \frac{1}{Q_{s0}} \int_0^x B(x')r(x')dx' \quad (3.1)$$

where Q_{s0} is total sediment supply, x is downstream distance, B is basin width and r is the net rate of deposition, given as $r = \sigma + \delta\eta/\delta t$ (where σ is subsidence rate and η is elevation of the sediment surface). By describing depositional systems in this mass balance framework, downstream facies changes in settings of different scales and depositional geometry can be directly compared (Paola and Martin, 2012).

With the total mass of deposited sediment determined at equally-spaced points along each transport pathway, we generate a graph of downstream distance vs. χ that can be used to determine the percentage of sediment mass that has been extracted at any point along the depositional system (Fig. 3.4). In this case the fractional mass loss (χ) is plotted vs. downstream distance normalized to total pathway distance (x^*) so that the mass extraction profiles plot on the same scale. It is important to note that only the WB and SF pathways represent closed systems, i.e. they represent complete extraction of mass from the upstream entry point to the downstream terminus of the lobe. The mass extraction profile for the OB pathway represents the total mass loss to the downstream extent of data available for this study. Additional sediment bypasses beyond this point and is delivered to the lower delta and shelf.

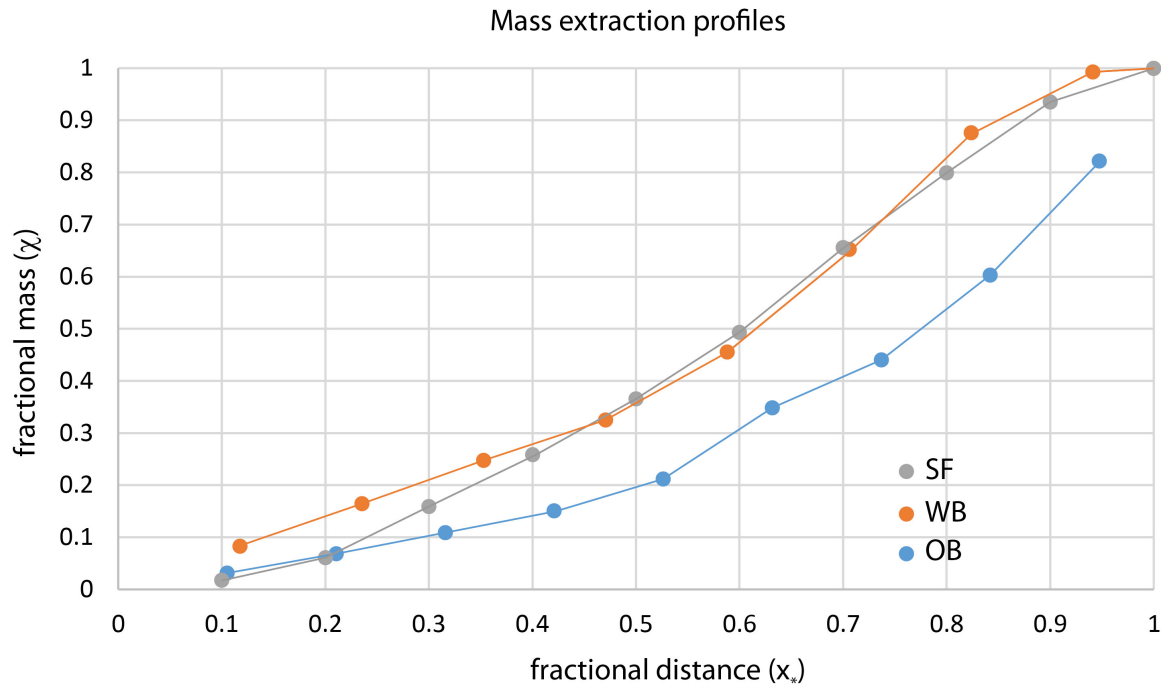


Figure 3.4: Mass extraction profiles along each mid-Holocene sediment delivery pathway. Fractional distance x^* is used to plot pathways of differing lengths at the same scale

3.3.3 Downstream fining

Using an extensive database of quantitative grain size data and a scale independent mass balance framework, we can compare downstream fining rates and mass extraction profiles along the major sediment delivery pathways. Grain sizes were obtained from 0.0005-1.168 mm distributions as measured by laser diffraction using a Malvern Mastersizer. Exported results include the 5th, 10th, 16th, 25th, 50th, 75th, 84th, 90th, and 95th percentiles (by volume) of grain size, which were pooled for each sample based on downstream distance along each pathway active during the mid-Holocene occupation of Sylhet basin (Table 3.3). The averages of the output percentile values from these pooled samples were used to generate downstream fining curves for each sediment pathway (Fig. 3.5).

Table 3.3: Grain size data for each lobe in μm

<i>lobe</i>	<i>distance (km)</i>	<i>d(0.10)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.90)</i>	<i>d(0.05)</i>	<i>d(0.95)</i>	<i>d(4,3)</i>	<i>mud fraction</i>	χ
WB	5	77.6	93.8	114.7	171.6	249.1	294.0	338.3	58.1	399.5	192.9	14.7	0.05
WB	15	103.4	124.7	151.2	222.7	323.0	383.1	444.7	76.3	531.9	252.2	13.2	0.13
WB	25	93.9	110.9	132.6	192.2	274.0	322.1	371.0	73.8	442.4	216.2	21.4	0.22
WB	35	56.1	72.5	91.0	138.3	203.2	241.1	279.0	33.5	332.3	156.1	33.1	0.28
WB	50	65.9	79.2	95.8	139.5	200.5	236.8	371.3	47.4	346.1	160.8	32.8	0.46
WB	55	86.0	105.2	128.5	187.8	266.4	311.3	355.6	59.0	415.8	206.7	13.2	0.57
WB	65	49.0	61.8	81.4	128.7	192.7	230.4	268.4	34.8	322.0	147.1	25.3	0.78
WB	75	39.1	53.0	68.6	108.1	163.1	196.2	230.6	24.0	281.6	125.0	37.6	0.97
WB	80	43.5	58.7	75.4	117.3	174.6	208.2	242.1	52.1	290.2	133.9	31.9	0.99
SF	3	232.0	265.1	308.0	423.8	579.7	666.9	749.7	194.9	854.5	459.4	1.0	0.01
SF	12	157.9	181.3	211.1	290.3	395.8	455.6	514.1	131.4	593.2	315.9	1.8	0.02
SF	25	190.7	222.7	263.5	374.1	526.2	613.3	697.5	153.7	805.7	411.5	1.4	0.03
SF	30	205.8	238.9	280.3	390.2	537.4	619.5	696.3	165.6	790.6	421.5	1.3	0.04
SF	35	201.6	229.2	264.5	358.9	485.3	556.8	626.2	170.0	717.7	389.2	1.0	0.05
SF	45	190.5	219.6	256.3	353.9	484.5	558.3	629.4	156.1	722.0	383.6	2.0	0.09
SF	50	227.0	256.7	295.7	402.5	546.8	627.5	703.5	195.6	799.1	436.8	0.1	0.10
SF	85	222.8	252.2	290.0	391.8	529.5	608.0	684.5	189.8	784.5	425.0	1.2	0.26
SF	90	182.3	214.2	253.8	359.0	500.9	581.1	657.8	137.4	755.9	391.5	2.0	0.27
SF	125	109.6	126.8	149.4	210.8	297.4	351.0	405.3	90.7	480.3	237.8	19.6	0.53
SF	130	138.0	158.2	184.5	254.1	348.4	402.4	455.6	115.4	528.1	279.3	9.9	0.58
SF	165	35.8	45.9	58.6	92.7	141.9	172.2	204.1	23.3	252.1	110.5	39.0	0.82
SF	170	47.9	57.8	70.7	108.3	162.7	194.9	227.4	35.3	273.5	125.7	28.5	0.85
SF	180	54.5	69.8	87.5	134.6	206.7	256.2	309.8	26.1	391.8	165.1	42.6	0.88
SF	185	14.8	19.8	26.8	47.9	82.2	106.1	134.5	9.6	190.8	71.2	65.4	0.95
SF	190	19.0	26.9	37.8	68.9	118.0	153.5	199.2	11.7	301.3	100.0	47.7	0.98
SF	195	11.2	16.7	24.3	46.1	81.4	106.0	135.6	6.1	194.5	72.8	64.1	0.99
SF	200	10.2	15.7	23.0	46.9	87.5	116.4	153.0	5.4	233.5	79.1	62.8	1.00

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<i>lobe</i>	<i>downstream distance (km)</i>	<i>d(0.10)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.90)</i>	<i>d(0.95)</i>	<i>d(4,3)</i>	<i>mud fraction</i>	χ	
OB	15	126.7	149.9	179.9	262.2	377.1	444.3	510.4	100.5	599.3	294.1	16.6	0.02
OB	25	209.8	238.6	276.5	380.8	524.1	605.8	684.6	179.4	787.3	417.9	0.6	0.03
OB	65	158.9	179.6	206.2	277.4	372.0	425.1	476.7	135.9	545.5	300.2	0.9	0.08
OB	80	167.3	197.7	235.9	339.3	482.7	565.4	645.2	131.2	747.9	375.8	1.0	0.09
OB	135	101.7	120.2	142.7	202.7	285.7	334.8	384.5	78.8	454.3	226.1	80.9	0.18
OB	175	128.3	147.7	172.3	237.5	325.1	374.7	423.1	106.6	487.8	261.4	5.1	0.33
OB	230	101.0	117.5	138.2	198.1	277.3	322.8	367.7	83.1	428.8	218.7	7.9	0.55
OB	235	130.8	148.1	170.7	231.7	313.5	359.7	404.4	112.5	463.6	252.2	0.6	0.58
OB	270	118.6	138.9	165.1	234.0	327.8	382.8	437.9	97.2	514.1	259.8	1.6	0.82
OB	280	79.8	94.2	112.2	161.6	231.8	273.9	317.1	57.7	378.9	183.2	11.3	0.98

Fedele and Paola (2007) formulated a downstream fining theory based on the input grain size distribution and the mass extraction profile of the system. This method has the advantage of containing parameters such as grain size and mass extraction that can be more readily observed in the stratigraphic record than hydraulic variables more commonly used in engineering investigations of downstream fining. Their formulation includes a relative mobility function ($J = p/f$, where p = fraction of a given sediment size in transport, and f = fraction of a given sediment size in the substrate below the active layer) that was derived from earlier sorting models (Parker, 1991; Wright and Parker, 2005). By assuming a constant Shields stress for sand bed rivers ($\tau_* \sim 1.0-2.0$), a similarity parameter ξ representing dimensionless relative size is defined as:

$$\xi = \frac{D - \bar{D}(x^*)}{\bar{D}(x^*)} \quad (3.2)$$

where D is a given grain size and $\bar{D}(x^*)$ is the local mean grain size of sediment in transport. Results from semi-empirical hydraulic fining models were used (Wright and Parker, 2005) to create a best fit solution for the relative mobility function in the form:

$$J = \frac{1}{(a_s + \xi)^{b_s}} + c_s \quad (3.3)$$

with $a_s = 0.8$, $b_s = 2.5$, and $c_s = 0.15$. When applied to data from experiments and modern rivers the method produced comparable results to more complex hydraulics-based formulations (Fedele and Paola, 2007).

A major challenge in applying this method to data from the stratigraphic record is determining an accurate input grain size distribution. Estimates of input grain sizes from the modern Brahmaputra River are available (Coleman, 1969; Lupker et al., 2011), but variable climatic and tectonic conditions over the timescales of observation for this study could render these estimates inaccurate. Because the SF and WB pathways represent closed depositional units in this system, with only limited additional inputs/outputs along these reaches,

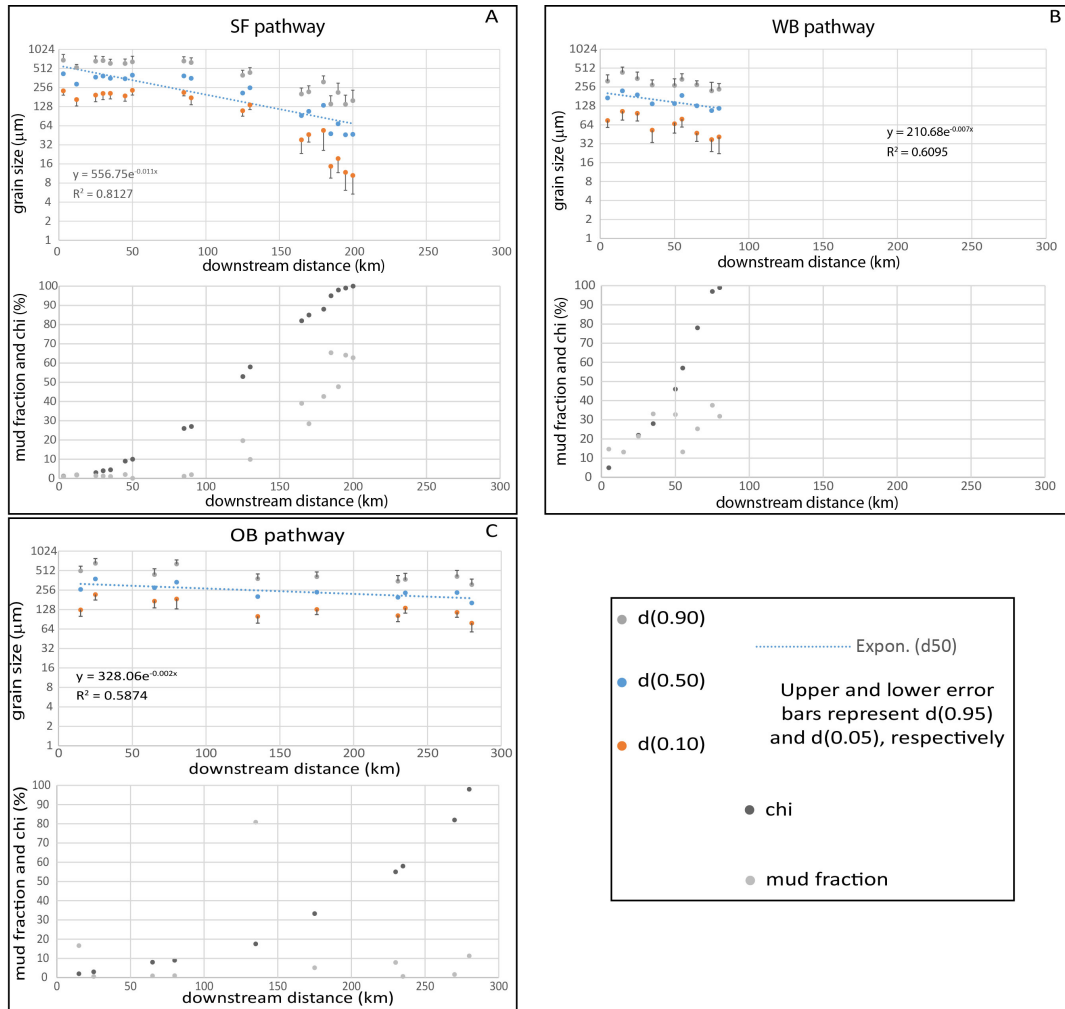


Figure 3.5: Downstream fining curves, χ values, and mud fractions for each of the mid-Holocene sediment delivery pathways. Error bars represent $d(0.05)$ and $d(0.95)$ values, respectively.

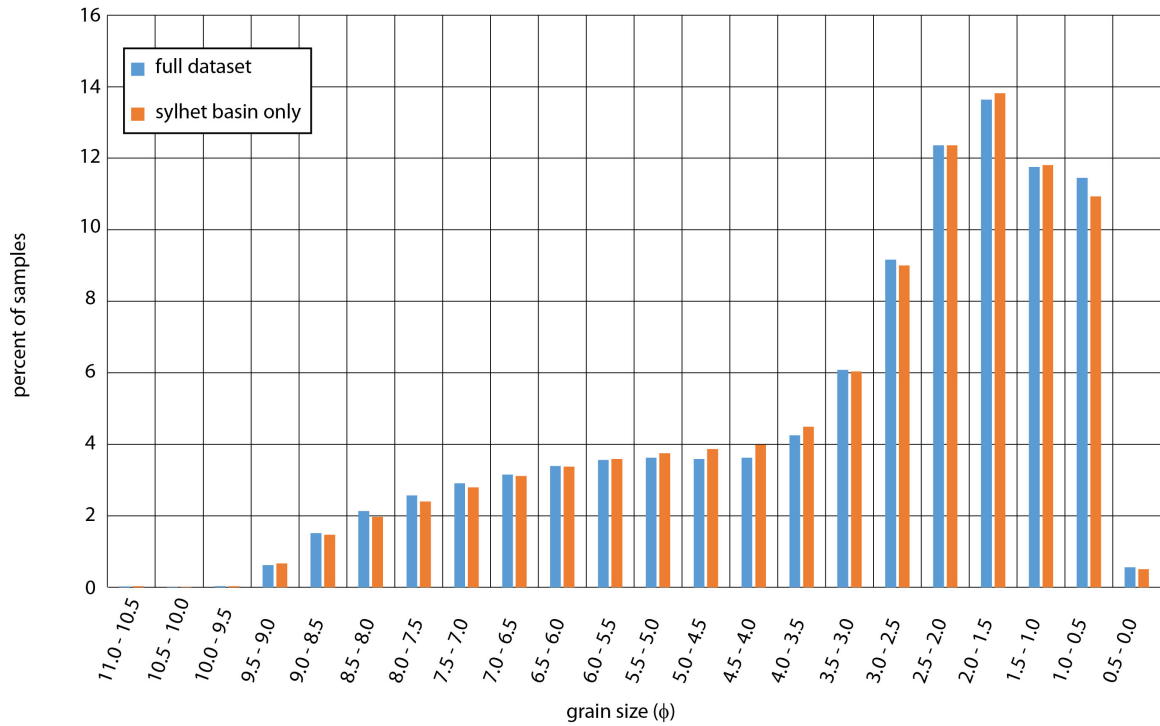


Figure 3.6: Grain size distributions for entire dataset (blue) and Sylhet basin (orange). Sylhet basin data were input to the relative mobility model with mass extraction values to predict downstream fining and sorting.

it is reasonable to assume that the preserved grain size distributions contained within these lobes represent a realistic approximation of the input grain size for each lobe. Malvern outputs of weight percent for each sample in $1/2 \phi$ intervals from 0-11 were summed to create histograms of grain sizes for the full GBMD and Sylhet basin. Distributions for the full GBMD as well as the sediments within Sylhet basin show there is little difference between the two (Fig. 3.6). The Sylhet basin grain size distribution was input to the model for comparison with the observed field data.

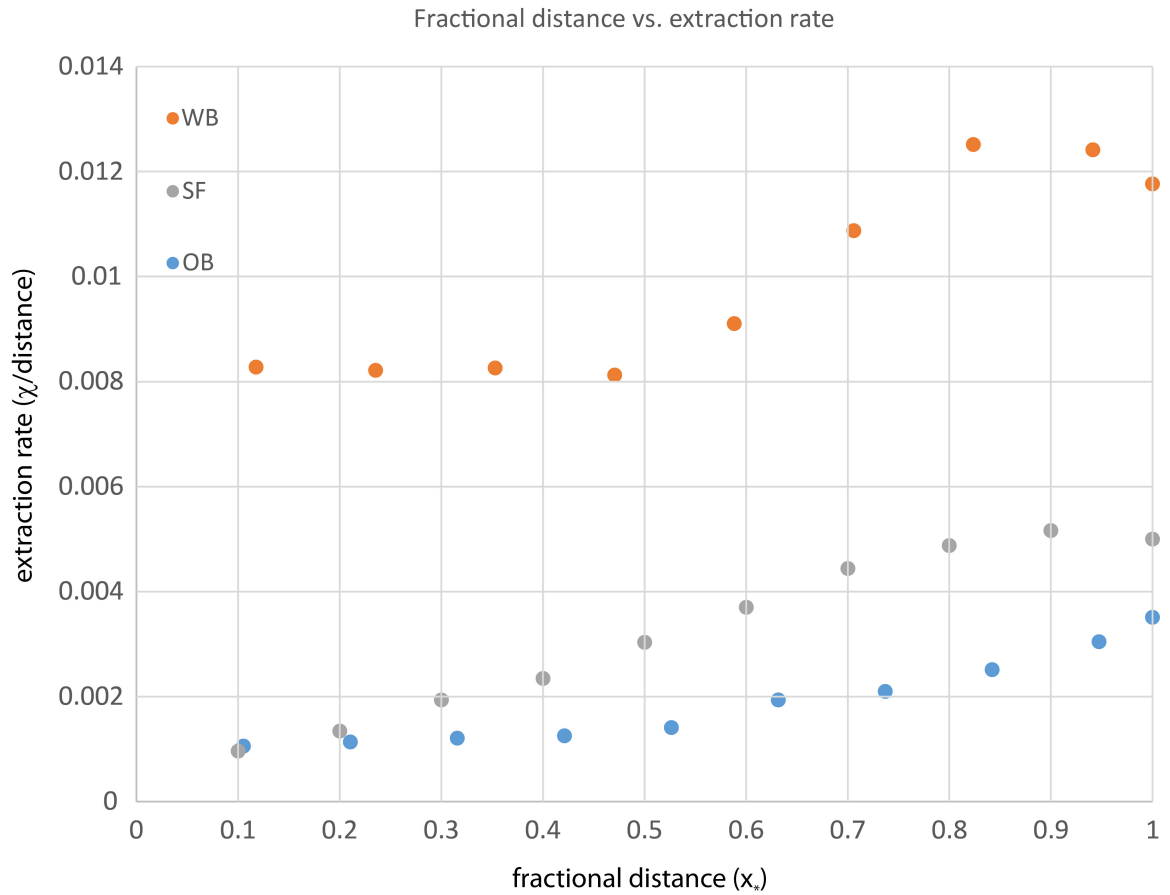


Figure 3.7: Extraction rate ($\chi/\text{distance}$) vs fractional distance for the 3 mid-Holocene sediment delivery pathways.

3.4 Results

3.4.1 Chi transformation results

Profiles of percent mass (χ) vs. percent downstream distance (x^*) for each sediment pathway are shown in figure 3.4. The shape of each curve describes the nature of sediment extraction along the different depositional pathways in the system through the mid-Holocene. By taking the slope of each curve (χ/x^*) we obtain a proxy for rate of mass loss at any given point in the depositional system (Fig. 3.7).

Pathways SF and WB are closed depositional lobes within the system, meaning that complete extraction of input sediment is reached at the downstream end of each lobe. The

SF pathway shows increasing extraction rates to a fractional distance of ~ 0.8 before leveling off at the distal end of the system (Fig. 3.7). Along the WB pathway, the χ extraction profile exhibits a constant extraction rate up to a fractional distance of ~ 0.5 , with an increase in slope at fractional distances between 0.5 and 0.8 (Fig. 3.7). Similar to the SF lobe, the extraction rate along the WB lobe decreases at its distal end near fractional distances of 0.8 to 1.0 (Fig. 3.7).

In contrast, the OB pathway is mapped just beyond the confluence of the Old Brahmaputra and Meghna Rivers and does not contain the complete sediment extraction record along this course that extends out to the lower delta plain. The χ vs. fractional distance plot exhibits a constant rate of mass extraction along the first $\sim 50\%$ of the depositional length, followed by an increase in mass extraction rate beyond this point (Fig. 3.7) to the end of the depositional length. Unlike the closed depositional systems of pathways SF and WB, the extraction rate does not level off beyond $\chi \sim 0.8$, but rather continues to increase beyond a fractional distance of ~ 0.5 . This demonstrates the bypass nature of this pathway in contrast to the enhanced extraction along the SF and WB pathways. Mass is continuing to be extracted at an increasing rate along the OB pathway, whereas the SF and WB pathways have lost their entire mass to deposition and thus show a decrease in extraction rate at the distal end of the system.

3.4.2 Downstream fining results

Figure 3.5 shows box and whisker plots of grain size vs. downstream distance of all three sediment delivery pathways, which demonstrate the varying styles of deposition for the Brahmaputra River during the Holocene. All of the box and whisker plots illustrate the averaged $D(0.10)$, $D(0.50)$, and $D(0.90)$ from pooled samples at each downstream distance, and use the average $D(0.05)$ and $D(0.95)$ as error bars (Table 3).

Along the SF pathway, grain sizes remain fairly constant for about the first 75-100 km downstream to a χ value of $\sim 0.2-0.3$ (Fig. 3.5). $D(0.95)$ values begin to consistently de-

crease below coarse sand ($512 \mu\text{m}$) at a downstream distance of ~ 125 km and corresponding χ value of $\sim 0.5-0.6$ (Fig. 3.5). A transition to slightly lower net:gross facies (from $\sim 95-100\%$ sand to $\sim 85\%$ sand) has also been documented at this downstream distance (Sincavage et al., 2017a). However, the most pronounced grain size change is evident beyond a downstream distance of ~ 160 km, at a χ distance of ~ 0.8 , where nearly all median grain size values fall below $128 \mu\text{m}$ (i.e., fine sand) (Fig. 3.5). This location also marks an abrupt increase in the fraction of mud comprising the stratigraphy, exceeding 40% of preserved deposits (Fig. 3.5).

The WB pathway has initially finer grained input sizes, due to its offtake location farther downstream in the transport system (Fig. 3.3). As such, a significant portion of the coarser material has already been extracted along the OB pathway before entering this lobe in southern Sylhet basin. The first large step down in grain size occurs at a downstream distance of ~ 35 km ($\chi \sim 0.3$), where $D(0.10)$ and $D(0.05)$ values are consistently below silt size ($\sim 64 \mu\text{m}$) (Fig. 3.5). A more distinct decrease in grain size is evident at a downstream distance of ~ 65 km ($\chi \sim 0.8$), where median grain sizes consistently fall below fine sand ($\sim 128 \mu\text{m}$) (Fig. 3.5). This distance corresponds to a shift from channel sands to interbedded splay and overbank deposits (Sincavage et al., 2017a) and a decrease in percent sand, with mud fractions increasing to $>30\%$ (Sincavage et al., 2017a) (Fig. 3.5).

Grain size changes along the OB pathway are far less pronounced than those observed along the SF and WB pathways (Fig. 3.5). For example, $D(0.95)$ values finer than coarse sand ($512 \mu\text{m}$) are not consistently observed along the OB pathway until a downstream distance of ~ 135 km ($\chi \sim 0.2$), and median grain size values below fine sand ($128 \mu\text{m}$) do not occur along this reach of the system (Fig. 3.5). This pathway does not contain a complete depositional length, meaning that calculated χ values are based only on the section of this pathway for which data have been collected. Sand-fraction values along the OB pathway decrease only from 96-98% to 92%, and there are no distinct facies changes evident (Sincavage et al., 2017a). As described above, neither the SF nor WB lobes ex-

hibit significant downstream fining until obtaining χ values of ~ 0.3 (Fig. 3.5). The OB pathway has an initial decrease in grain size at a downstream distance of ~ 135 km and does not demonstrate much additional fining beyond this point, with mud fraction values never exceeding 20% (Table 3, Fig. 3.5). Since mud fraction values exceeding 20-30% and $D(0.50)$ values finer than fine sand ($128 \mu\text{m}$) are not consistently observed below χ values of ~ 0.5 along the complete extraction profiles, it is reasonable to assume that the OB pathway has not experienced more than 50% extraction of its total sediment load at this point (285 km downstream) in the transport pathway. This estimate seems within the range of previous sediment budget studies that estimate $\sim 30\%$ of the sediment discharge is sequestered within the basin, allowing $\sim 70\%$ to bypass to the Bay of Bengal (Goodbred and Kuehl, 1998).

3.4.3 Model results

Outputs from the model run for each of the three sediment delivery pathways are displayed with measured field data in Figure 3.8. The model outputs grain size (in mm) vs. downstream distance (in km), as well as calculated χ values vs. downstream distance to generate an extraction profile. The shape of the profile is defined by the user and can vary from rapid extraction at the upstream, midsection, or downstream end of the system. For these model runs we determined the shape of the χ curves for each pathway based on the observed data, using a maximum extraction rate in the middle section for the SF and WB pathways, and maximum extraction at the downstream end for the OB pathway (Fig. 3.4).

Using a log normal grain size distribution with parameters obtained from the field data in Sylhet basin (Table 4), the model output along each of the depositional pathways is in good agreement with the field data, particularly for the median grain sizes (Fig. 3.8). The grain sizes at the extreme ends of the distribution ($D(0.10)$ and $D(0.90)$) exhibit higher variability than those closer to the median grain size. This is likely a function of the way in which the Malvern instrument reports grain size percentiles. All values for percentile

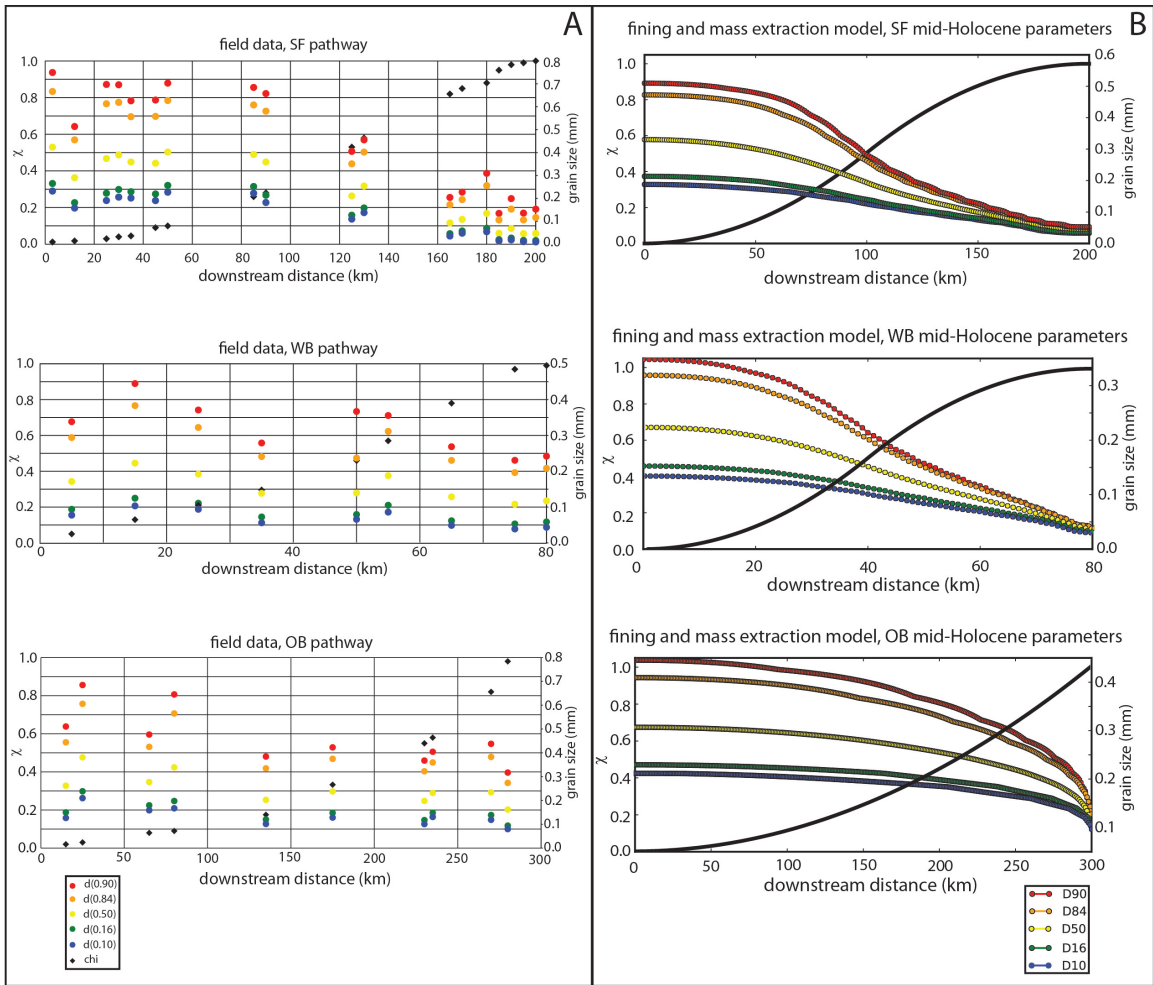


Figure 3.8: Field data (A) vs model results (B) for downstream fining, sorting, and mass extraction along 3 sediment delivery pathways for the mid-Holocene in Sylhet basin.

are volume-based, which could skew the field data in a positive direction when compared to model results. In spite of this, the observed sorting and fining trends, particularly in the D(0.16), D(0.50), and D(0.84) grain sizes are consistent between the model and field data (Fig. 3.8).

The WB pathway model runs also produce a close fit to the observational data (Fig. 3.8). Grain sizes in the 16th to 84th percentile in the proximal end of the system are remarkably consistent between the model output and observed data. Beyond a distance of ~ 60 km, however, the model predicts fining at a faster rate than is observed in the field data, with the distal deposits of the model exhibiting better sorting and finer grain sizes ($\sim 40\text{-}75 \mu\text{m}$) than the field data ($\sim 50\text{-}290 \mu\text{m}$) (Fig. 3.8).

Similar to the SF pathway, the model run along the OB pathway extracts finer grained and more well sorted sediments at the upstream end ($\sim 175\text{-}475 \mu\text{m}$) than the observational data ($\sim 100\text{-}600 \mu\text{m}$) (Fig. 3.8). The downstream end of the system is also finer grained and exhibits better sorting in the model ($\sim 75\text{-}125 \mu\text{m}$) than in the field data ($\sim 50\text{-}375 \mu\text{m}$). However, the D(0.16), D(0.50), and D(0.84) values in both the observed and modeled outputs are in close agreement across the entire depositional length of this pathway (Fig. 3.8).

3.5 Discussion

3.5.1 Modes of fluvial system behavior

Sincavage et al. (2017a) hypothesize that the mid-Holocene occupation of Sylhet basin by the Brahmaputra River exhibited two modes of transport behavior based on the character of preserved facies along each pathway. Fairly consistent grain sizes and a lack of downstream facies variability suggest that the transport system operated in bypass-dominant mode along the OB pathway, principally acting as a sediment conduit to the downstream outlet of the basin along the modern Meghna River. In contrast, facies characteristics and

depositional patterns along two transport pathways leading to the central, deepest portion of Sylhet basin suggest enhanced rates of extraction as lobes of sand prograded across the deepest parts of the basin. Sincavage et al. (2017a) identified these differing modes of fluvial system behavior qualitatively and semi-quantitatively by the distribution of facies and sand:mud ratios obtained from cores across the basin. Both the WB and SF pathways show downstream decreases in preservation of sand-rich facies coupled with an increase in the preservation of mud from 0-10% upstream to 40-50% downstream (Fig. 2.6). While these generalized behaviors provide insight into broad patterns of sedimentation, the mass balance approach employed here quantifies this behavior and allows for comparison with other systems in a scale-independent framework.

The quantitative grain size results from this study further demonstrate these distinct modes of system behavior along the various mid-Holocene sediment delivery pathways. The bypass-dominated OB pathway exhibits minimal downstream fining along ~ 300 km of its depositional length (Fig. 3.5). In contrast, both the WB and SF pathways show rapid fining and extraction of mass as they approach their limits of deposition (Fig. 3.5). Power law functions were fit to the downstream fining curves of all three pathways to determine rates of fining (Fig. 3.5). Using the exponent of the power law functions as a proxy for fining rate, downstream fining curves illustrate that the rate of fining is highest along the SF pathway (-0.011), followed by the WB pathway (-0.007), and then the OB pathway (-0.002). Bypass dominance in the OB system is demonstrated by rates of downstream fining nearly an order of magnitude lower than those from enhanced extraction.

Similarly, rates of mass extraction obtained through the χ transformation can be used to illustrate these varying modes of fluvial system behavior. The extraction profiles for the extraction enhanced pathways of SF and WB are almost identical when plotted on the same scale (Fig. 3.4). Similarly, extraction rate curves for both the WB and SF pathways flatten near the downstream limit of the system at a χ value of ~ 0.8 (Fig. 3.7). In contrast, both the χ profile as well as the extraction rate curve for the OB pathway do not exhibit this

character at its downstream end (Figures 3.4 and 3.7). Instead, the rate of mass extraction appears to be on an increasing trend towards the downstream limit. This is an indication that this pathway acts as a conduit of sediment transport to the downstream reaches of the system, and as such does not extract relatively as much mass as the extraction-enhanced pathways within central Sylhet basin.

3.5.2 Observational vs. modeled data

Figure 3.8 is a summary of the field data of Sylhet basin compared to the relative mobility function model outputs that used a log-normal grain-size input distribution. Generally speaking, the model results are in good agreement with the observed data. For all three pathways the distal deposits from the model are finer grained and exhibit better sorting than what is observed in the field data. The coarsest and finest grains in the field data also exhibit greater variance than the model data and are generally coarser than what is output from the model (Fig. 3.8). The differences in grain size between the field data and the model results are predominantly found in the tails of the distributions (D(0.10) and D(0.90)) and are likely due to the reporting of grain size as volume weighted in the quantitative analysis. The D(0.16), D(0.50), and D(0.84) model results and downstream fining profiles for all three pathways reasonably recreate the observed trends in the field data. The implications for these results are that downstream fining and facies changes can be realistically simulated using field based observations of input grain size and a mass balance of extracted sediment within depositional lobes.

3.5.3 Comparison of Sylhet basin with other depositional settings

Paola and Martin (2012) compare experimental and field datasets in a scale-independent framework to quantify downstream fining patterns and facies changes in fluvial and turbidite systems. Results of their study and others (Duller et al., 2010; Whittaker et al., 2011) can similarly be compared here with findings from our observed and modeled fining rates

and facies changes from Sylhet basin. The SF and WB pathways exhibit higher rates of downstream fining as the sand lobes prograde into central Sylhet basin than those found along the OB pathway (Fig. 3.5). The OB pathway is contained within a narrow incised fluvial valley, whereas the SF and WB pathways traverse a large ($\sim 6000 \text{ km}^2$) but shallow (5-7 m) basin that is seasonally inundated during high discharge. Sincavage et al. (2017a) postulate that this seasonal lake creates a hydrologic barrier to flow, thereby leaving the central portions of Sylhet basin perennially underfilled. Whittaker et al. (2011) reveal a rapid change in both downstream fining rate as well as sediment thickness across a major fault where subsidence rates increase. In both cases, the fluvial systems exhibit bypass-dominance in regions of limited accommodation, and change to an extraction-enhanced mode in areas where accommodation is greatest.

Paola and Martin (2012) document a distinct shift in facies from channel-dominated to lobe dominated facies at $\chi \sim 0.6-0.8$. While our study lacks the bounding surfaces available in experimental and seismic datasets, we are able to document similar shifts in facies using net:gross in preserved sediments extracted from the boreholes. Sincavage et al. (2017a) identify a shift from channel sands of the mainstem Brahmaputra River (Facies A) to lobes and splay deposits with Brahmaputra-sourced sediments (Facies C) along pathways WB and SF at distances of ~ 50 and 120 km , respectively (Fig. 2.6). These distances roughly correspond to $\chi \sim 0.6$ (Fig. 3.5). In both cases, the extraction profiles are approaching their steepest slopes at this point, indicating that the most rapid rates of mass extraction correspond to this shift in facies (Figures 3.5 and 3.7). This position is also coincident with an increase in mud fraction along both pathways to values greater than 40%. Extraction of coarse bedload via selective deposition leads to quantifiable changes in facies along proximal-distal transects in fluvial systems.

3.6 Conclusions

We analyzed the Holocene sedimentary record of Sylhet basin in a mass balance framework to quantify downstream changes in grain size and facies. Transforming the data into a scale-independent χ space allows quantitative comparisons of fluvial facies and downstream fining along different depositional pathways and within different depositional settings. The key findings of this analysis are:

1.) The two sediment delivery pathways to central Sylhet basin (SF and WB) exhibit nearly identical mass extraction profiles. These pathways also exhibit downstream fining rates that are nearly an order of magnitude greater than those along the OB pathway. This is consistent with prior interpretations of the SF and WB pathways operating in an enhanced extraction mode (Sincavage et al., 2017a), in contrast to the bypass-dominance of pathway OB, which exhibits a much weaker mass extraction profile. The regime change to enhanced extraction is likely the result of unconfined flow and increased accommodation in central Sylhet basin as compared with the narrow incised fluvial valley along the OB pathway, and is comparable to enhanced extraction observed in other fluvial settings with variable subsidence (Whittaker et al., 2011).

2.) Using parameters derived from field observations from the GBMD, a downstream fining and sorting model based on a relative mobility function formulated by Fedele and Paola (2007) gives results in good agreement with the field observations. Natural variability in field settings, combined with volume-weighted grain size measured obtained in the quantitative analysis likely account for disparities found between the modeled and field datasets.

3.) Downstream fining and facies changes from stacked channel sands to overbank deposits with 40-50% mud preservation in Sylhet basin show a distinct change in stratigraphic architecture and preservation of fine-grained material at $\chi \sim 0.6-0.8$. Extraction of coarse-grained bedload appears to be a first order control on depositional system morphology as well as preserved stratigraphy in a variety of depositional settings. Similar analyses in field

and experimental settings have yielded comparable shifts in stratigraphy at similar χ values (Paola and Martin, 2012).

Chapter 4

A simple statistical metric to quantify the preservation of ordered stratigraphy upon a large delta¹

4.1 Abstract

Most stratigraphic models are predicated on the presence of cyclicity or some form of recognizable order contained within sedimentary deposits. In spite of this *a priori* assumption of order, rarely are statistical metrics employed to test for order, and even rarer are studies that conclude a given deposit consists of disordered strata. As current stratigraphic research is focused on the transmittal of environmental signals, which can be of a cyclic or stochastic nature, into the rock record, it is important to interrogate stratigraphic data in order to determine to what extent, if any, sedimentary deposits exhibit structure and order. Here we focus on grain size data from the Ganges-Brahmaputra-Meghna delta (GBMD) in Bangladesh to assess 1.) if stratigraphic order in vertical successions of fluvial sediments can be detected and quantified, and 2.) if spatial patterns can be identified in these order metrics that can be linked to mass extraction and surface topography across the delta. A runs order metric r , originally used as a means of identifying sequences of increasing or decreasing thicknesses of individual facies in a vertical succession, is modified to focus on coarsening and fining trends in grain size data obtained from a dense borehole network. A Monte Carlo simulation with 5000 realizations is run to shuffle the measured grain size data enough times to generate synthetic “random” stratigraphy. The calculated order metric is compared to the distribution of metrics from the simulations to determine how likely the observed value could have been generated by chance. By using a 50% threshold for coarsening to determine the tops of bar deposits, and 5% fining thresholds for smaller scale fining upwards packages within bars, Holocene deposits that are of a similar scale to those

¹This chapter is being prepared as a manuscript for publication with co-authors S. Goodbred and P. Burgess

observed in the modern Jamuna River are identified. The spatial distribution of fining upwards metrics indicates a relationship between areas of mass extraction and preservation of complete fining upwards packages. Similarly, probability values calculated from comparisons with Monte Carlo distributions of order metrics indicate that vertical grain size successions unlikely to have been generated by chance are more likely to be found within distal areas of the delta where $\sim 60\%$ of the input mass has been extracted. The combined use of a mass balance framework with simple statistical measures of order have the potential of improving predictions of the stratigraphic architecture and the preservation of ordered vs. disordered signals in the sedimentary record.

4.2 Motivation

The field of stratigraphy is focused on the distribution in time and space of sedimentary deposits. Numerous models exist to aid in conceptualizing and interpreting these complex features, and most of these models involve the recognition of patterns and cyclicity in the rocks (Goldhammer, 1978; Schwarzacher, 1993; Hinnov, 2000). Indeed, the entire field of sequence stratigraphy developed as a way to recognize pattern and order in stratal geometries from seismic, core, and outcrop data (Vail et al., 1977; Mitchum and Van Wagoner, 1991; Van Wagoner et al., 1988; Catuneanu, 2007). A key element to most of these models of geologic interpretation relies on the ability to recognize cyclicity and order across a spectrum of scales of observation.

One reason for the appeal of inherent order in geologic deposits comes from human nature itself. The ability to recognize pattern and order in natural phenomena is an evolutionary advantage that has led to the development of intellect, creativity, and science (Mattson, 2014). The scientific process itself is predicated on discovering order in complex systems and aiming to isolate the physical, chemical, and biological phenomena at the root of this order (Nagel, 1961). It is only natural that those who endeavor to explain the natural world in which we live attempt to find order and predictability in its complex systems.

Furthermore, as the field of stratigraphy has matured its focus has shifted from qualitatively describing sedimentary deposits to quantifying the way(s) in which autogenic and allogenic signals are transferred from surface processes into the sedimentary record (Stouthamer and Berendsen, 2007; Hajek and Wolinsky, 2012; Paola, 2000). Autogenic processes are stochastic by nature, and as such they would be expected to leave unordered responses in the stratigraphic record should they be preserved. Some allogenic processes (ex. seismicity) would also be likely candidates for leaving random signals in the rock record, but cyclic processes such as those related to Milankovitch cycles and the resulting sea-level rises and falls associated with them are at the core of identifying order in the field of sequence stratigraphy.

Unfortunately, this innate human desire to find order in natural systems, coupled with a need to identify inherently cyclical stratigraphic responses to external forcings may be responsible for over-interpretation of the sedimentary record. Numerous critics of the over-application of sequence stratigraphic principles can be found in the literature (Helland-Hansen and Hampson, 2009; Miall, 1992; Miall and Miall, 2004), whereby research has too often tried to apply the model to regions beyond the influence of eustatic cycles. The presumption of order is also found in a number of carbonate studies (Olszewski and Patzkowsky, 2003; Anderson, 2004), but recent quantitative analysis has shown that this perceived order may not be borne out when tested with simple statistical measures (Burgess, 2006; Wilkinson et al., 1994).

Here we aim to interrogate the stratigraphic record of the Ganges-Brahmaputra-Meghna delta (GBMD) in Bangladesh, one of the largest fluvial systems on Earth. The key questions we aim to address are a.) how can we quantify the presence or absence of order in fluvial sedimentary deposits, b.) what is the spatial distribution of stratigraphic order on the GBMD, and c.) if ordered deposits are prevalent on the delta, how does their distribution relate to prior research on mass extraction and bypass behavior of the system? Ultimately, we hope to demonstrate that by employing simple statistical metrics to a stratigraphic dataset

in a mass balance framework, insights can be gained into the presence of order or disorder in sedimentary deposits that may ultimately lead to better understanding of the preservation potential of ordered and disordered surface processes in the rock record.

4.3 Dataset

This study makes use of a large borehole dataset collected on the GBMD with relatively densely ($\sim 3\text{-}5$ km) spaced wells that penetrate to depths of up to 90 m, revealing most of the Holocene deltaic section. Field data collection methods are summarized in Pickering et al. (2014) and Sincavage et al. (2017a). Bulk samples from 1.5 m intervals were analyzed geochemically and for grain size characteristics to determine provenance and avulsion history of the system through the Holocene (Goodbred et al., 2014; Pickering et al., 2014; Sincavage et al., 2017a). This study focuses on vertical variability of grain sizes as measured by laser-diffraction using a Malvern Mastersizer 2000E.

The dataset consists of $\sim 18,000$ individual samples from ~ 400 boreholes across the delta. Time limitations made grain size analysis of every sample unfeasible. Instead, the top and bottom sample of every borehole was measured, as well as every 3rd sample, and at any point where a lithology change was noted. This leads to grain size measurements at a maximum interval of 4.5 meters. While higher density data would certainly be preferable, it is important to remember the scale of this end member system. The Jamuna braidbelt is on the order of 10 km wide at bankfull flow conditions, and individual bar deposits are on the order of 10-20 m in height. As such, this relatively coarse sampling plan should be adequate to identify 1st order features of the depositional system.

4.4 Methods

4.4.1 Identifying individual stratal units at varying scales

As described by Sincavage et al. (2017b), identifying individual packages of genetically related strata is problematic in the GBMD. With bulk sediment samples taken at ~ 1.5 m intervals, no bounding surfaces or internal sedimentary structures are extracted for analysis, such that other characteristics of the sediments need to be considered in order to determine the bounds of individual units within the borehole data. Compounding these difficulties is the fact that deposits are characterized by thick amalgamated sand units tens of meters in thickness (Sincavage et al., 2017a; Goodbred and Kuehl, 2000a; Pickering et al., 2014).

Numerous studies have identified an idealized model of fining upwards successions preserved in bar deposits within fluvial settings (Allen, 1978; Walker, 1976; Harms et al., 1982; Fielding et al., 2009). In most of these models, the top of a bar deposit will be scoured by the overlying unit in the succession, producing a sudden increase in grain size that could be an indicator of the top of an individual unit. The comprehensive grain size dataset obtained by laser diffraction for this study is ideally suited for using threshold grain size changes to identify boundaries between stratal units. By plotting the distribution of grain size differences in vertical successions of data, we obtain reasonable constraints on typical grain size increases (i.e. those associated with normal variability between samples) vs. anomalous ones (i.e. those that would more likely be associated with erosional scour and subsequent deposition of an overlying bar deposit) (Fig. 4.1). Furthermore, studies of the modern river demonstrate typical thicknesses of bar deposits on the order of 10-15 m (Coleman, 1969; Best et al., 2003). Most vertical grain size changes identified in this dataset are between 0-25% (Fig. 4.1). The negatively skewed distribution, coupled with a slight increase in frequency at $\sim 75\%$ are likely indicators of the mud caps that are often found at the top of sandy sequences (Fig. 4.1).

We tested grain size increase thresholds of 0.25ϕ , 0.5ϕ , and 1.0ϕ for this study to

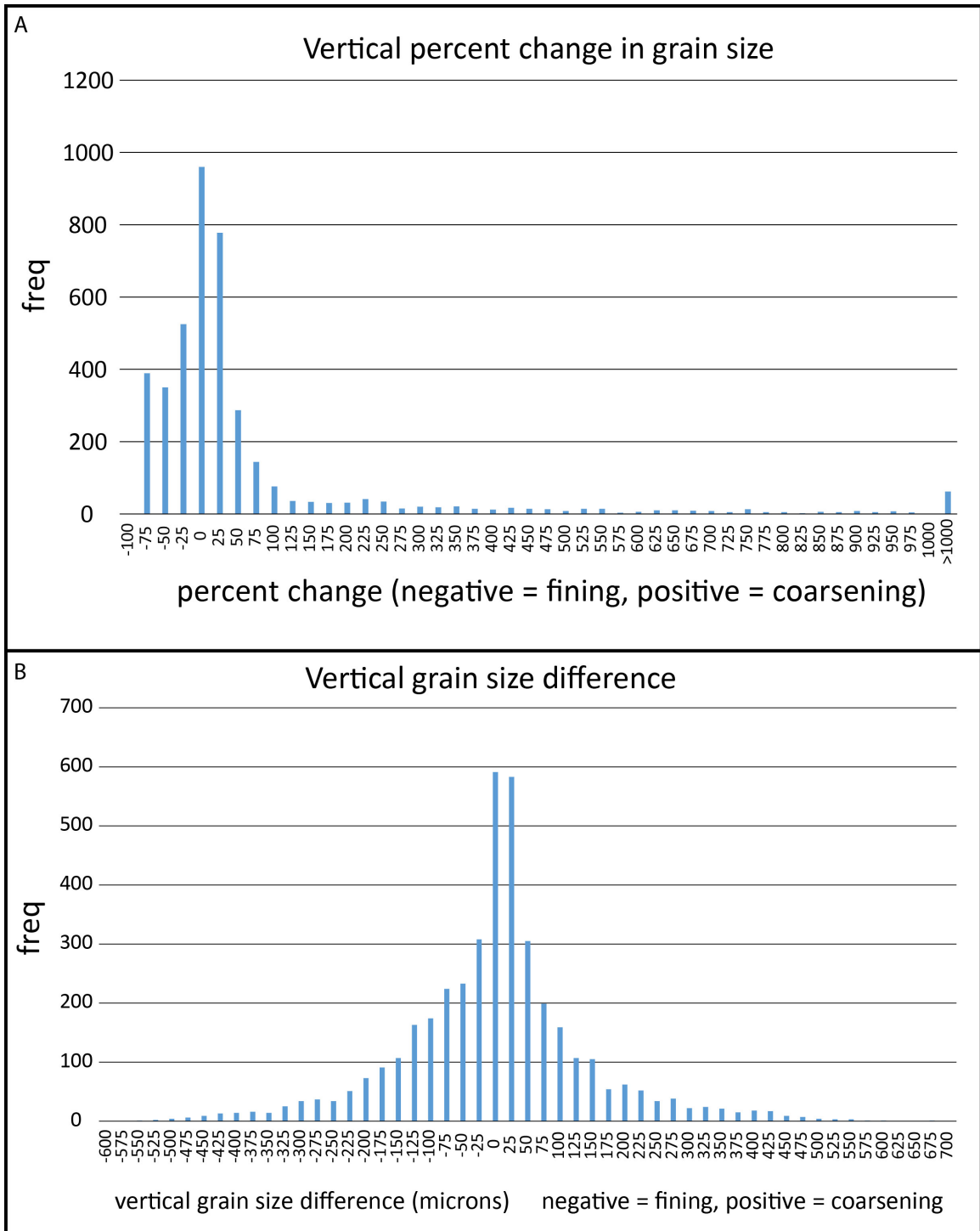


Figure 4.1: Distributions of percent change (A) and actual change (B) in grain sizes for all Holocene-aged sediments on the GBMD. Most grain size increases between individual units are between 0 and 25%. Therefore, a 50% increase in grain size was used as a threshold to identify the tops of individual bar tops.

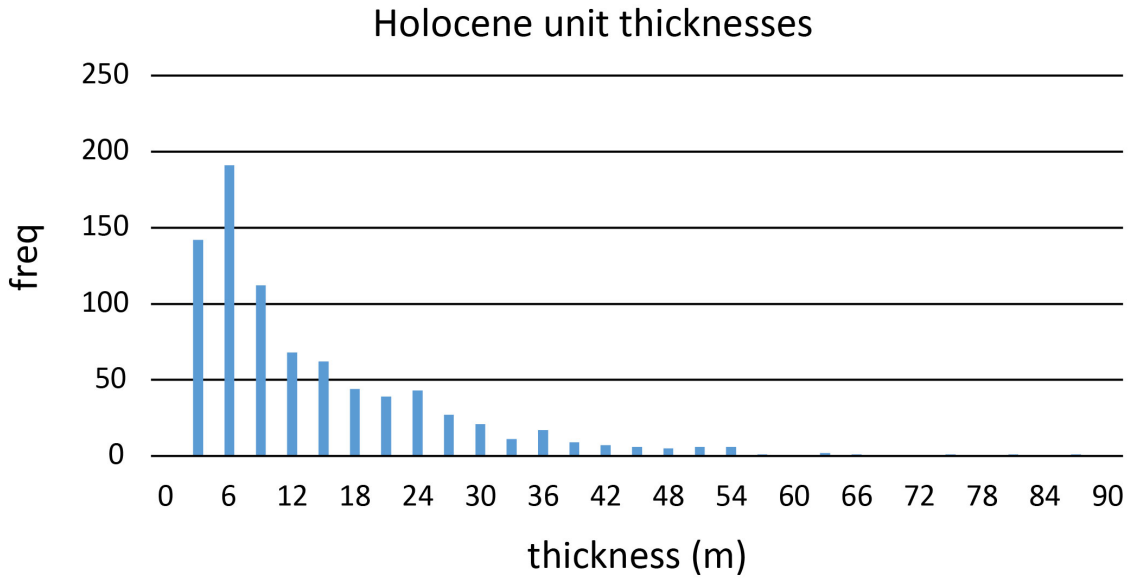


Figure 4.2: Distribution of thicknesses for Holocene bar deposits when employing a 50% increase in grain size as a threshold to define individual bar tops. These thickness values are comparable in scale to those observed in modern bar deposits on the Jamuna River (Coleman, 1969; Best et al., 2003).

determine the best sensitivity for capturing bar deposits that scale with those found on the modern river. Based on these analyses we used an increase of 50% in grain size as a threshold to identify the tops of individual bar deposits. The difference in grain size between a given sample and the sample immediately above it were calculated within each borehole. If the overlying sample was 50% or more coarse than the sample below it, a break in the vertical succession was assigned to that location, indicating the top of an individual bar deposit. This yielded a distribution of all thickness values for discrete vertical successions of sediments within the entire delta which are of a similar scale to the modern deposits (Fig. 4.2).

At a smaller scale, individual fining upwards packages within the larger bar deposits were identified by comparing the grain size values obtained by Malvern analysis for each sample with the sample directly above it (Fig. 4.3). Runs of increasing or decreasing grain sizes are compiled, which can then be analyzed using the statistical metrics and Monte

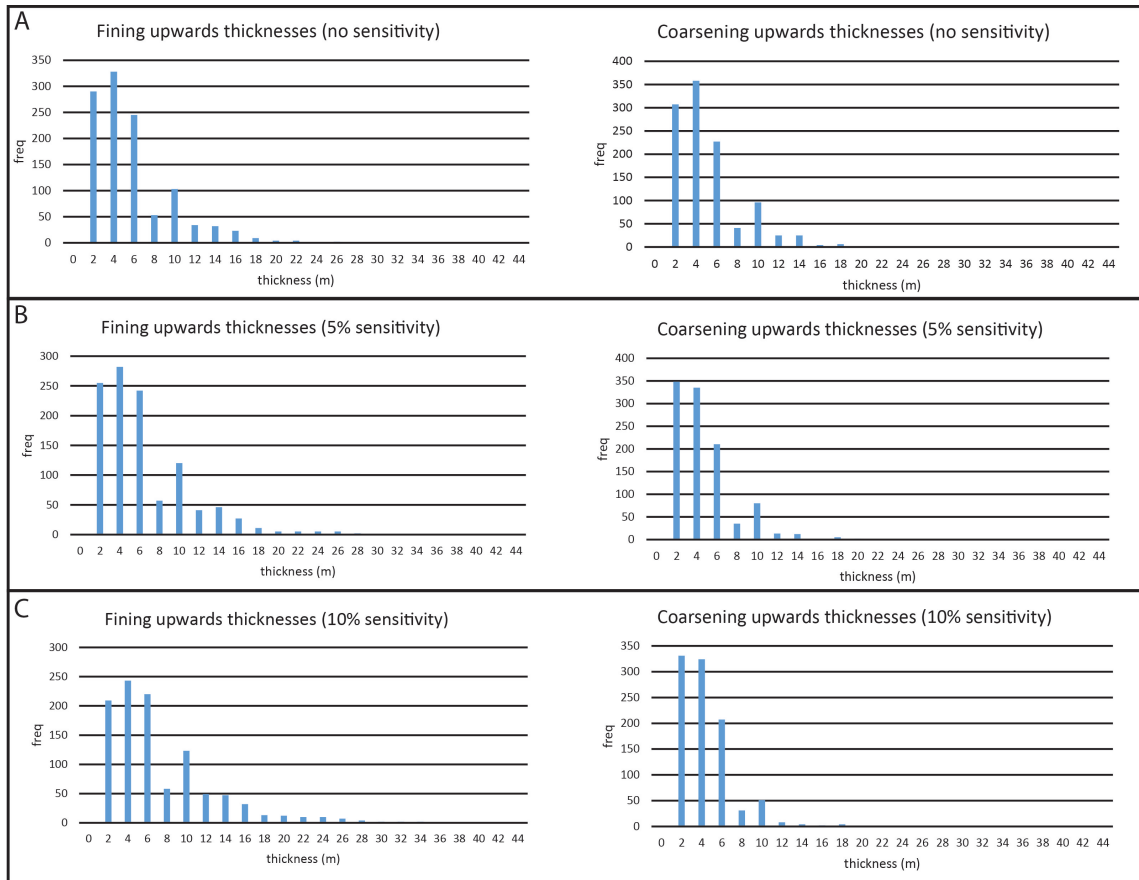


Figure 4.3: Distributions of thicknesses for individual fining and coarsening upwards packages within Holocene bar deposits. Thresholds of 5% (B) and 10% (C) were tested so evaluate the impact of small vertical changes in grain size from sample collection procedures and natural variability within an individual sample. The analyses below were performed using the 5% sensitivity data.

Carlo simulation as described in the next section. Small vertical changes in grain size that are unlikely to be the result of depositional processes were removed by applying 5% and 10% thresholds in vertical grain size changes. These filtered data are likely better representations of process-controlled grain size variability, owing to bulk sample collection procedures and natural variability within an individual sample. We used the 5% threshold data for the analyses presented below.

4.4.2 Runs metric (r) and Monte Carlo simulation

A statistical metric r was developed by Burgess (2016) to identify trends of increasing and/or decreasing thicknesses of defined facies in a vertical stratigraphic section. The r metric quantifies the lengths of runs of a state or characteristic as defined by Davis (2002). In the case of Burgess (2016), the characteristic of interest was the thickness of an individual stratal unit whereby the difference in thickness between two adjacent units in a stratigraphic succession are compared. If the overlying unit is thinner than the one immediately below, the variable D is assigned a value of 1 and the variable I is assigned a value of 0. A sequence of integer values is created for D and I : a value of 0 is logged for each unit until a change of state occurs (i.e. the overlying unit is thicker than the one immediately below). At that point the I values begin an integer sequence and the D values maintain a 0 value. The r metric is the sum of these values divided by the number of units within a package according to:

$$r = \frac{\sum_1^n I_j}{n} + \frac{\sum_1^n D_j}{n} \quad (4.1)$$

where n is the number of units in the succession and I_j and D_j are the j^{th} integer in the sequence of increasing and decreasing values, respectively.

The r metric is essentially a measure of the persistence of a state in a vertical succession of facies. In general, r values between 1 and 2 are indicative of disordered strata, whereas values of 2 or greater are indicative of order within the succession (Burgess, 2016). Once the r metric is calculated, a Monte Carlo simulation is performed to determine the likelihood of the observed section being generated by chance (as opposed to an ordered process). A random shuffle of pairs of units from the original succession is performed n times and the r metric is calculated for this randomized succession. The process is repeated for 5000 realizations, and the distribution of all calculated r metrics from the Monte Carlo simulation are compared with the r value from the observed data (Fig. 4.4). If the r metric

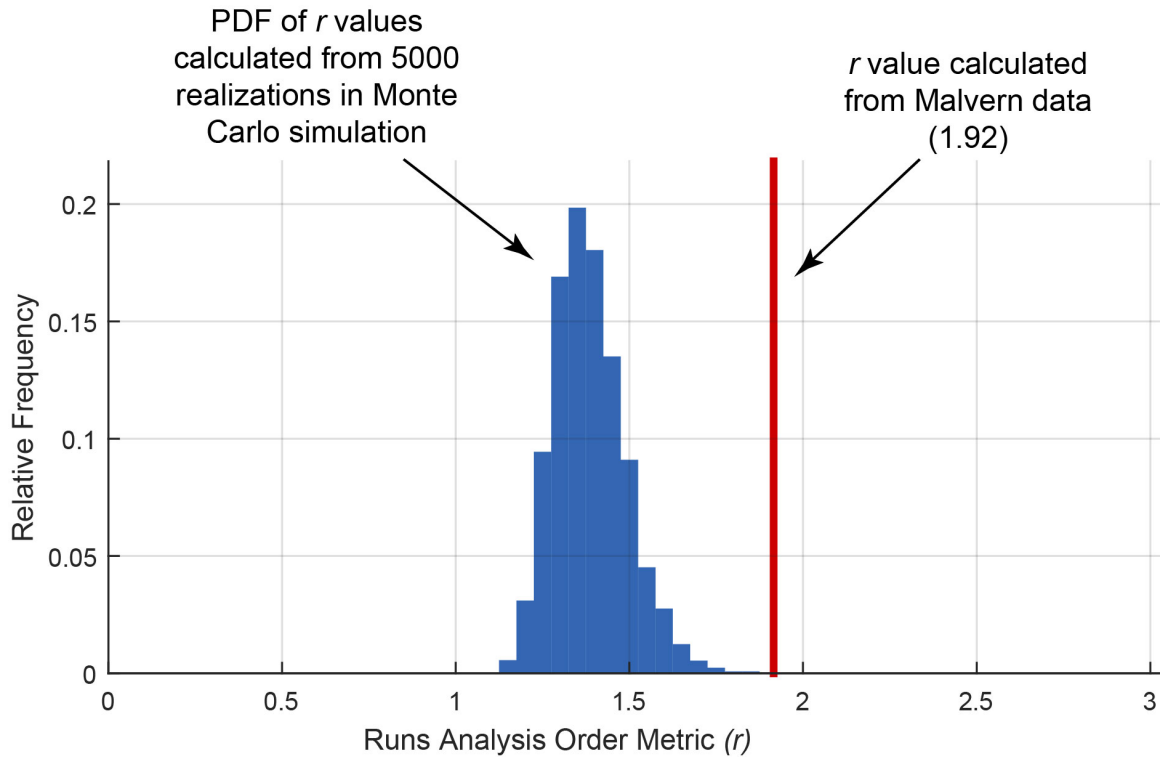


Figure 4.4: Output from Monte Carlo simulation for borehole G193. Red line is the r value calculated from Malvern data. Blue bars are the PDF of r values from 5000 realizations in the Monte Carlo simulation. In this case the calculated p value is 0.01 and falls well outside the Monte Carlo distribution, indicating this pattern of vertical grain size variability is unlikely to have been generated by random chance.

calculated for the observed data is within the distribution of r metrics from the Monte Carlo simulation, it can be assumed that the observed strata were just as likely to have formed by chance as by ordered processes. A p value is calculated to quantify the probability that the calculated r metric from the observed data falls within the PDF of the Monte Carlo simulation from the following equation:

$$p_r = \int_r^{\infty} P_r(x) dx \quad (4.2)$$

From this analysis, quantitative measures of thickness trends in vertical successions of strata are obtained, including the variables I and D which describe the persistence of thickening and/or thinning upwards successions within the data. While the metric was originally

designed for use with thickness trends (Burgess, 2016), it can be used to quantify any characteristic of interest that changes vertically in the sedimentary record. For this study we focus on both thickness trends as well as grain size trends within the GBMD to try and capture the varying scales of heterogeneity within preserved fluvial deposits.

4.4.3 Grain size metrics

The r metric contains 2 components: one that quantifies the lengths of runs of increasing values (I), and one that quantifies the lengths of decreasing values (D) (equation 4.1). By isolating each component of the r metric, the relative importance of increasing or decreasing runs can be identified. In the case of grain size trends, these individual components correspond to the c (coarsening) and f (fining) metrics, as given by:

$$c = \frac{\sum_1^n I_j}{n} \quad (4.3)$$

$$f = \frac{\sum_1^n D_j}{n} \quad (4.4)$$

Taken individually, the c and f metrics can be thought of as proxies for the persistence of coarsening and fining upwards trends, respectively, within any given borehole. As noted above, fluvial facies models have stressed the importance of fining upwards packages within preserved vertical successions. We attempt to quantify this importance and look for spatial trends in persistence across the GBMD using the metrics described above.

4.5 Results

4.5.1 Fining upwards trends

The r metric quantifies the persistence of increasing and decreasing runs of grain size values in a vertical succession (equation 4.1). By isolating decreasing grain size values (equation 4.4), the persistence of fining upwards successions can be described quantitatively, whereas coarsening can be quantified using the c metric (equation 4.3). Plotting the r metric against the c and f metrics illustrates the relative importance of coarsening and fining, respectively (Fig. 4.5). f and r have a linear relationship, whereas there appears to be no relationship between c and r (Fig. 4.5). This indicates that fining upwards successions are the primary control on stratigraphic order in fluvial deposits, as would be expected from facies models. Similarly, coarsening upwards successions appear to be uncommon within this part of the GBMD system. Coarsening upwards units may be more likely at the river mouth and coastal regions, where progradation is occurring. When using a threshold of 5%, the linear relationship between f and r becomes even stronger ($r^2 = 0.82$), further emphasizing the importance of fining upwards trends in overall stratigraphic order in the GBMD (Fig. 4.5).

4.5.2 Spatial distribution

A detailed analysis of a dense borehole network has yielded numerous insights into the nature and distribution of Holocene sedimentary deposits on the GBMD (Pickering et al., 2014; Goodbred et al., 2014; Sincavage et al., 2017a). Similarly, research on the modern fluvial system provides constraints on the expected scale of bar deposits likely to be preserved in the sediment record (Coleman, 1969; Best et al., 2003). The delta has broadly been defined to consist of 2 main geomorphic provinces, the higher gradient upstream fan delta and the lower gradient downstream floodplain delta (Wilson and Goodbred, 2015). A recent mass balance study has identified regions of rapid mass extraction vs. regions of

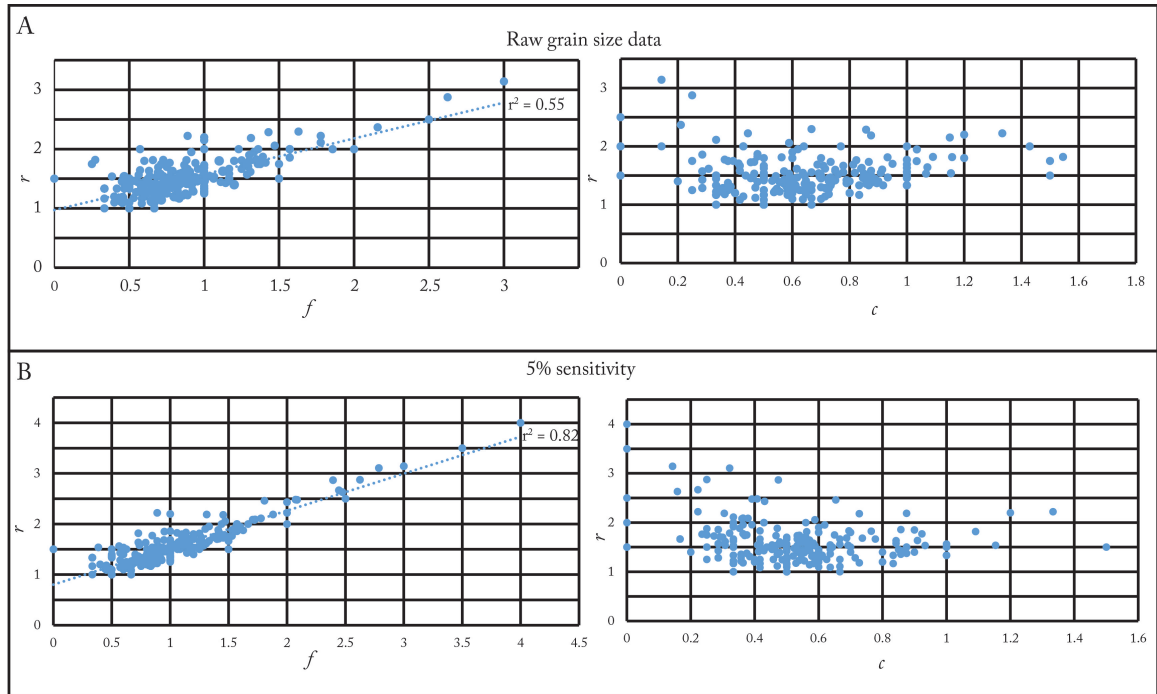


Figure 4.5: Comparison of the various metrics for stratigraphic orders. (A) A strong correlation between persistent fining upwards (f) and stratigraphic order (r) is seen, with a lack of correlation between coarsening upwards (c) and stratigraphic order. This indicates that fining upwards successions within fluvial strata are the dominant driver in determining order vs. disorder in vertical grain size trends. Applying a 5% threshold for coarsening upwards successions (B) strengthened the correlation and further demonstrates the importance of fining upwards successions in determining stratigraphic order in this system.

bypass dominance that are also linked with surface morphology (Sincavage et al., 2017b). We couple these observations with the quantitative analyses described above to note spatial patterns in the preservation of bar deposits within the GBMD.

Grain size analyses were performed on the top and bottom samples within a given borehole, as well as every 3rd sample or at a lithology change in the downward direction, whichever occurs first (Sincavage et al., 2017b). With a sample spacing of 1.5 m, this equates to a grain size analysis at intervals of ~ 4.5 m. Most boreholes reach a total depth on the order of 60-90 m, such that a typical borehole will contain 15-20 individual grain size analyses. Well exposed bar deposits on the modern river typically scale on the order of 10-20 m for a complete package (Best et al., 2003). Thus, we would expect the f metric of a well preserved fining upwards bar deposit to have values of ~ 1.2 or greater (i.e. boreholes in which 3 consecutive samples, or ~ 13.5 m, fine upwards before a coarser sample is encountered). We investigate the distribution of boreholes with f values greater than 1.2 to identify regions most likely to have preserved fining upwards successions on a scale similar to modern river deposits.

Some spatial patterns are evident in the boreholes that contain f metric values greater than 1.2 (Fig. 4.6). The upstream reaches of the system contain a higher proportion of wells with f values that are less than 1.2 than the downstream reaches (Fig. 4.6). The highest density of f values greater than 1.2 are found in central Sylhet basin, within the SF lobe associated with mid-Holocene deposition (Sincavage et al., 2017b), and along the lower reaches of the fluvial-tidal delta as defined by Wilson and Goodbred (2015). The spatial distribution of maximum thickness values show a similar pattern (Fig. 4.6). Boreholes with packages thicker than 10 m (i.e. those that scale well with modern bar deposits) are concentrated at the downstream ends of the various depositional fairways within the basin. The concentration of boreholes with thicknesses greater than 10 and f values greater than 1.2 also increases near the location of a χ value of 0.6 on the SF lobe within Sylhet basin (Fig. 4.6).

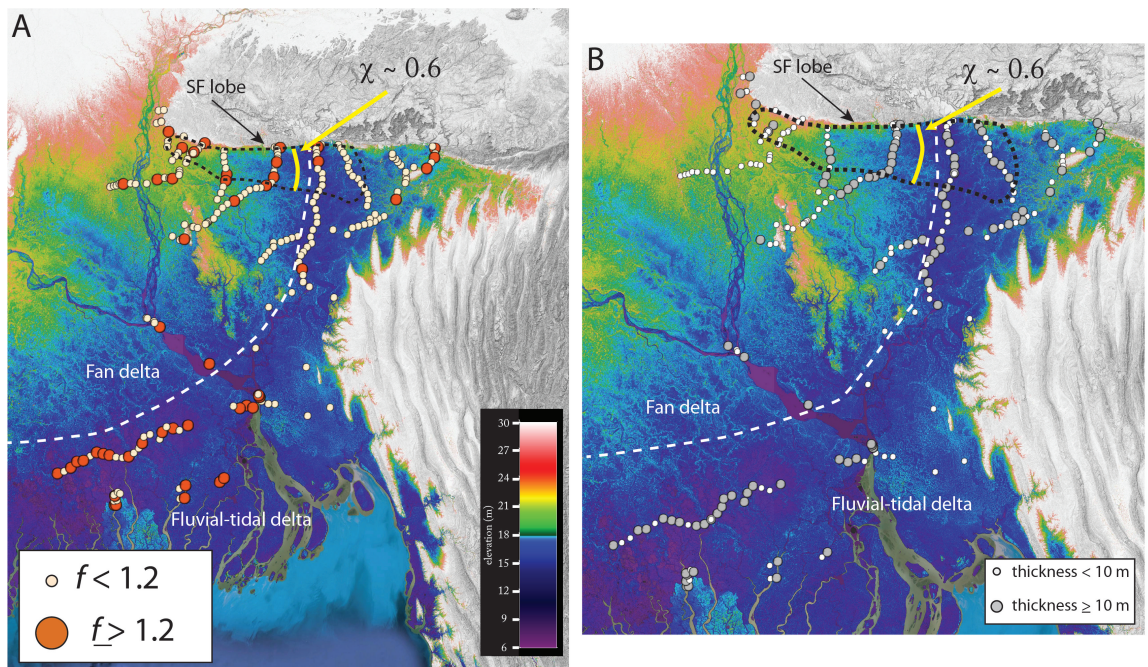


Figure 4.6: Distribution of f metric values (A) and thickness values (B). Dashed white line shows the approximate topographic break separating the fan delta from the fluvial-tidal delta as defined by Wilson and Goodbred (2015). The SF deposition lobe of Sincavage et al. (2017b) is shown with black dashes, as is the approximate location of a χ value of 0.6. Thick deposits with f values that scale with modern river deposits are focused in downstream reaches of the system, and in areas near a χ value of ~ 0.6 .

4.5.3 Monte Carlo results

A Monte Carlo simulation was run for all boreholes to determine r metric values that would be generated by random chance based on shuffling observed borehole data. The PDF of 5000 realizations are then compared to the observed data to determine the likelihood of the observed succession occurring by chance. p values for each borehole indicate the probability of a given succession having an r value similar to one drawn from the randomized distribution (Fig. 4.4).

As with the spatial distribution of the f metric values and stratal unit thicknesses, p values show consistent spatial patterns across the GBMD (Fig. 4.7). p values in the upstream reaches of the system are consistently low, whereas the only regions containing p values significantly outside the Monte Carlo PDF are found at the downstream ends of each sediment delivery pathway (Fig. 4.7). The consistent results from each of these analyses leads to the generalized observation that preservation of complete fining upwards packages associated with bar deposits is least likely in the upstream reaches of the system, as well as in areas that have not experienced $\sim 60\%$ extraction of the input mass.

4.6 Discussion

4.6.1 Relationship of order metrics to sediment delivery pathways

As identified by Sincavage et al. (2017a), mid-Holocene sediment delivery pathways on the GBMD can be defined as bypass dominated or extraction enhanced. Rapid rates of downstream fining are observed in extraction enhanced areas of the delta, whereas bypass dominated pathways exhibit slower rates of downstream fining. Rapid rates of downstream fining have been demonstrated to be linked with active tectonics and rapid subsidence (Whittaker et al., 2011; Paola and Martin, 2012; Allen, 2008; Duller et al., 2010; Heller and Paola, 1992; Robinson and Slingerland, 1998). This system appears to be unique, however, in that subsidence does not appear to be a first order control on the underfilled

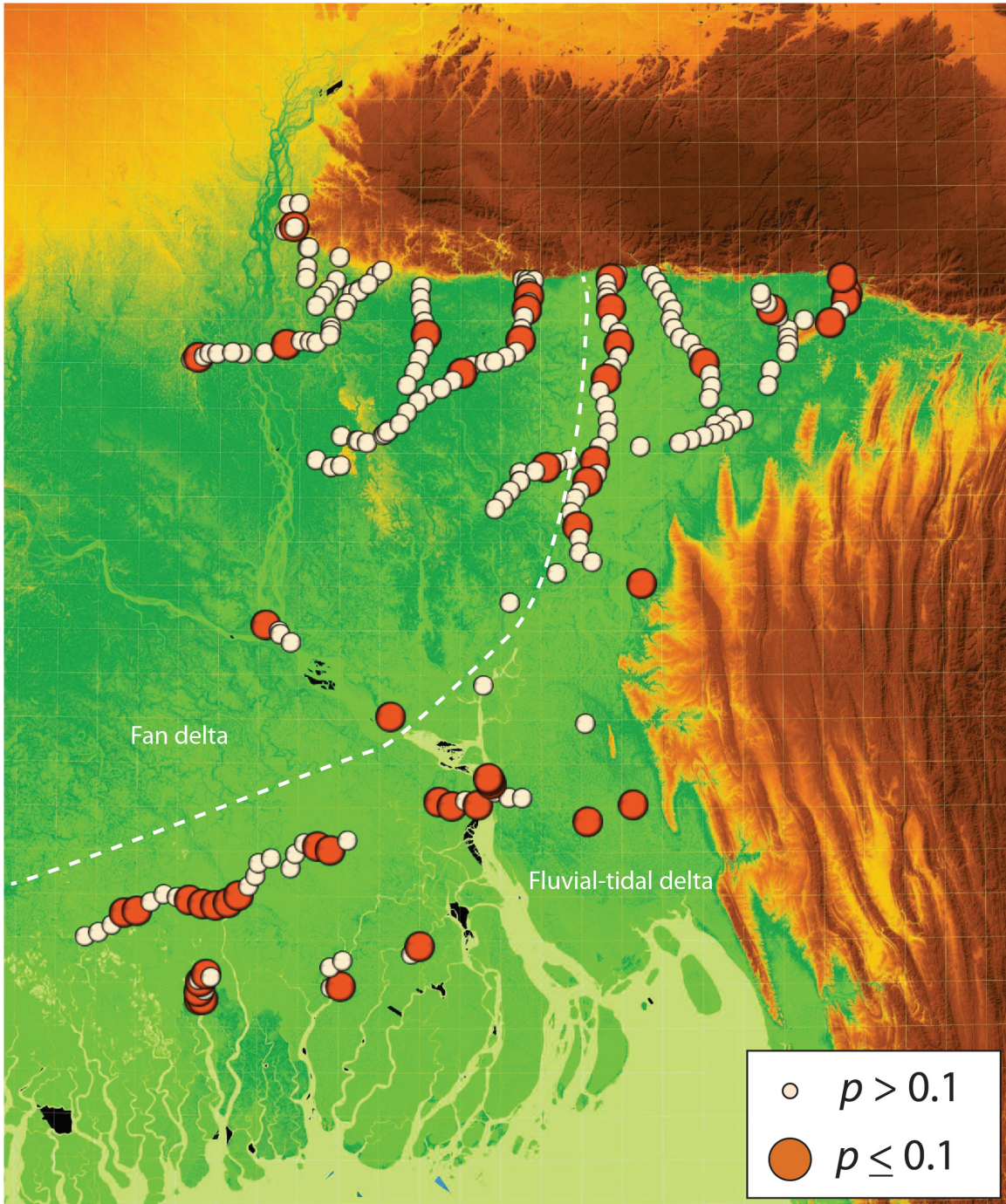


Figure 4.7: Distribution of p values across the GBMD. p values less than 0.1 are associated with vertical successions that are less likely to have formed by chance (Burgess, 2016). Spatial patterns are similar to those of the f metric and thickness values (Fig. 4.6) where vertical succession unlikely to have formed by chance are found in the downstream reaches of the system.

nature of Sylhet basin Sincavage et al. (2017b). Rather, the local hydrology and its interactions with variable Holocene climate, combined with antecedent topography, appear to be the main driver of mass extraction in Sylhet basin (Sincavage et al., 2017a).

The analysis presented here strengthens and quantifies the relationships between extraction and downstream fining rates. Moreover, it indicates that there is a relationship between mass extraction and preservation potential of complete fluvial bar deposits. The spatial distribution of boreholes containing f metric values higher than 1.2 (i.e. those likely associated with fining upwards packages that scale on the order of those observed in the modern river) closely matches areas where enhanced mass extraction has been documented (Fig. 4.6). This is a reasonable conclusion to make: bypass pathways are selectively depositing coarse material for storage into the stratigraphic record, but the finer materials are only temporarily stored and are constantly being reworked due to the mobile nature of channels in the proximal areas of the fan delta (Wilson and Goodbred, 2015; Olariu and Bhattacharya, 2006). The result is a slower downstream fining rate (Sincavage et al., 2017b), whereby most of the finer fraction of sediment is transmitted to the more distal reaches of the delta. By quantitatively linking preservation potential to mass extraction regimes, important inferences can be made on the boundary conditions associated with a given sedimentary deposit. Areas of bypass predominance tend to contain deposits that show a lack of preservation of complete fining upwards packages.

In contrast, the extraction pathways are preserving non-random stratigraphy much more frequently than the bypass pathways (Fig. 4.7). These areas are characterized by deposits that not only contain fining upwards packages that scale well with the modern system, but also those that are unlikely to have been generated by chance based on the Monte Carlo analysis (Fig. 4.6, 4.7). These results have important implications for the preservation or shredding of environmental signals in stratigraphy (Jerolmack and Paola, 2010). The nature of sediment transport and reworking in areas associated with mobile channel belts is such that environmental signals are likely to become overwhelmed by the dynamics of

the system, and thus not passed to long term storage in the sedimentary record. Areas of enhanced extraction are much more likely to preserve environmental signals, regardless of whether they are allogenic or autogenic in nature.

4.6.2 Mass balance relationships

Previous studies (Paola and Martin, 2012; Whittaker et al., 2011; Sincavage et al., 2017b) have used a mass balance approach to describe sedimentary deposits in a scale-independent framework based on the percent of mass deposited up to any given location on the deposit. These studies have identified important changes in sedimentary facies and stratigraphic architecture associated with a χ value of $\sim 0.6-0.8$. This value also appears to be linked with the location at which preservation of complete fining upwards packages is enhanced in the GBMD.

Figure 4.6 identifies the location of boreholes with higher values of f associated with preservation of complete fining upwards successions. Along the SF pathway, boreholes with high f values are located near the location where $\sim 60\%$ of the total mass of the lobe has been extracted upstream (Fig. 4.6). The confluence of the Meghna and Jamuna rivers has also been linked to a χ value of ~ 0.5 (Sincavage et al., 2017b). The frequency of f values of 1.2 or higher increases downstream of this location on the lower floodplain-tidal delta (Fig. 4.6). Similarly, this region demonstrates a marked increase in Monte Carlo results consistent with deposition of ordered strata (Fig. 4.7).

As described above, our analysis indicates a coupling of mass extraction and preservation of environmental signals in the sedimentary record. Within a mass balance framework, there is evidence to suggest that persistence and completeness of a particular deposit are linked to the location of the deposit in χ space. This suggests that χ values of $\sim 0.6-0.8$ are not only associated with facies changes and variable stratigraphic architecture (Paola and Martin, 2012; Sincavage et al., 2017b), but also where the likelihood of transferring surface process signals to the sedimentary record becomes more likely. The application of

the sequence stratigraphic model has had its greatest successes in the shelf and deep marine environments (Posamentier, 2003; Van Wagoner et al., 1990). In the context of a source to sink system, these are regions that are distal enough to be associated with enhanced mass extraction. In contrast, studies that have received more criticism with regard to application of the sequence stratigraphic model have been focused in continental depositional systems (Miall, 1992), in regions that are more likely to be associated with bypass than extraction.

4.7 Conclusions

A simple metric for identifying persistence in stratigraphy, coupled with a Monte Carlo simulation, was used to identify regions where ordered strata were most likely to be preserved within a large fluvial system. By identifying runs of grain size changes that scale with the modern bar deposits of the Jamuna River, inferences can be made with regard to locations on the delta that are favorable for the transmittal of environmental signals into the stratigraphic record. Coupled with prior mass balance studies, associations between mass extraction and the preservation of surface process signals can be made:

1.) Regions associated with bypass are less likely to preserve environmental signals in the sedimentary record. These regions often contain more mobile channels that tend to rework fine-grained materials (Wilson and Goodbred, 2015), and thus shred autogenic signals associated with fluvial system dynamics (Jerolmack and Paola, 2010).

2.) Enhanced extraction areas associated with more distal reaches of the source to sink system are more likely to preserve signals that represent changing boundary conditions and internal system dynamics than bypass regions. This is consistent with prior work that has had a higher success rate of applying the sequence stratigraphic model to shelf and deep marine settings than continental settings (Posamentier, 2003; Van Wagoner et al., 1990).

3.) When placed in a mass balance framework, a χ value of ~ 0.6 appears to have important implications for not only changes in facies and stratigraphic architecture (Paola and Martin, 2012; Sincavage et al., 2017b), but also surface topography and preservation

of environmental signals. Research aimed at finding surface process signals preserved in the stratigraphic record may need to consider the location of their study area in χ space to avoid potentially misinterpreting noise as evidence of environmental signals.

Chapter 5

Conclusions

5.1 Summary and contributions to the field

This dissertation has aimed to better link the conditions necessary for preservation of environmental signals into the stratigraphic record. Using a massive end member fluvial system as a natural laboratory, quantitative analyses were applied to qualitative observations of fluvial system behavior to further our understanding of changing boundary conditions and the propagation of autogenic and allogenic process signals. Chapter 2 provided a detailed mid-Holocene avulsion history of Sylhet basin, and presented the idea of a hydrologic barrier to explain the paradox of an underfilled basin with topographic and tectonic favorability. Chapter 3 presented a sediment budget for the mid-Holocene in order to convert the dataset into χ space, a scale independent method of comparing depositional systems of disparate sizes. The application of a similarity solution model for downstream fining and sorting generated results that compare favorably with field observations, and the predictive power of a mass balance approach was reinforced when compared to stratigraphic studies in other field settings and experimental data. Finally, Chapter 4 introduced a simple statistical metric aimed at identifying order in fluvial deposits as a proxy for preservation potential. It was demonstrated that areas of maximum mass extraction contain the best potential for preservation of environmental signals in the stratigraphic record.

These results represent a continuation in the maturity of the field of stratigraphy from a descriptive to a quantitative science. Numerous advances have been made in recent years towards the goal of identifying the nature of various signals preserved in the rock record (Li et al., 2016; Jerolmack and Paola, 2010; Hajek and Wolinsky, 2012; Hickson et al., 2005; Straub and Pyles, 2012). The results from this dissertation provide promise that by utilizing a conceptually simple concept such as a mass balance framework on sedimentary deposits,

researchers have the potential of unlocking predictive power on the nature and distribution of stratigraphy in a variety of settings. Furthermore, simple statistical measures can be employed to help decipher random from ordered signals, and their distribution in space can be linked to their location relative to mass extraction in the source to sink profile. In the remaining sections, goals of future work to continue progress in the field of quantitative stratigraphy are discussed.

5.2 Future work

5.2.1 Continuation of statistical analyses

Chapter 4 presented a simple statistical measure that can be employed to identify ordered vs. disordered deposits in preserved stratigraphy. It was noted that the full resolution of the GBMD dataset with regard to grain size analysis has not been realized to date. Subtleties in vertical grain size variability are masked at the coarser scale of sampling, such that hierarchies of order may be overlooked in the analysis. Furthermore, denser sampling produces a much more robust Monte Carlo simulation. As seen in the Monte Carlo distribution from a coarsely sampled borehole (Fig. 5.1), if a limited number of packages are identified in the initial analysis, the resulting distribution can contain “holes” of no data. Increasing the density of grain size sampling in future analyses will enhance the output of the Monte Carlo simulations.

5.2.2 Numerical modeling of hydrologic barrier

In chapter 2, the hypothesis of a hydrologic barrier was introduced to explain the perennially under-filled central Sylhet basin (Fig. 2.11). If a local backwater effect from a seasonal lake is strong enough, it should produce an artificially shallow slope that would prevent the river from migrating to the center of the basin.

This hypothesis can be easily tested with simple 1- and 2-D models. We have run

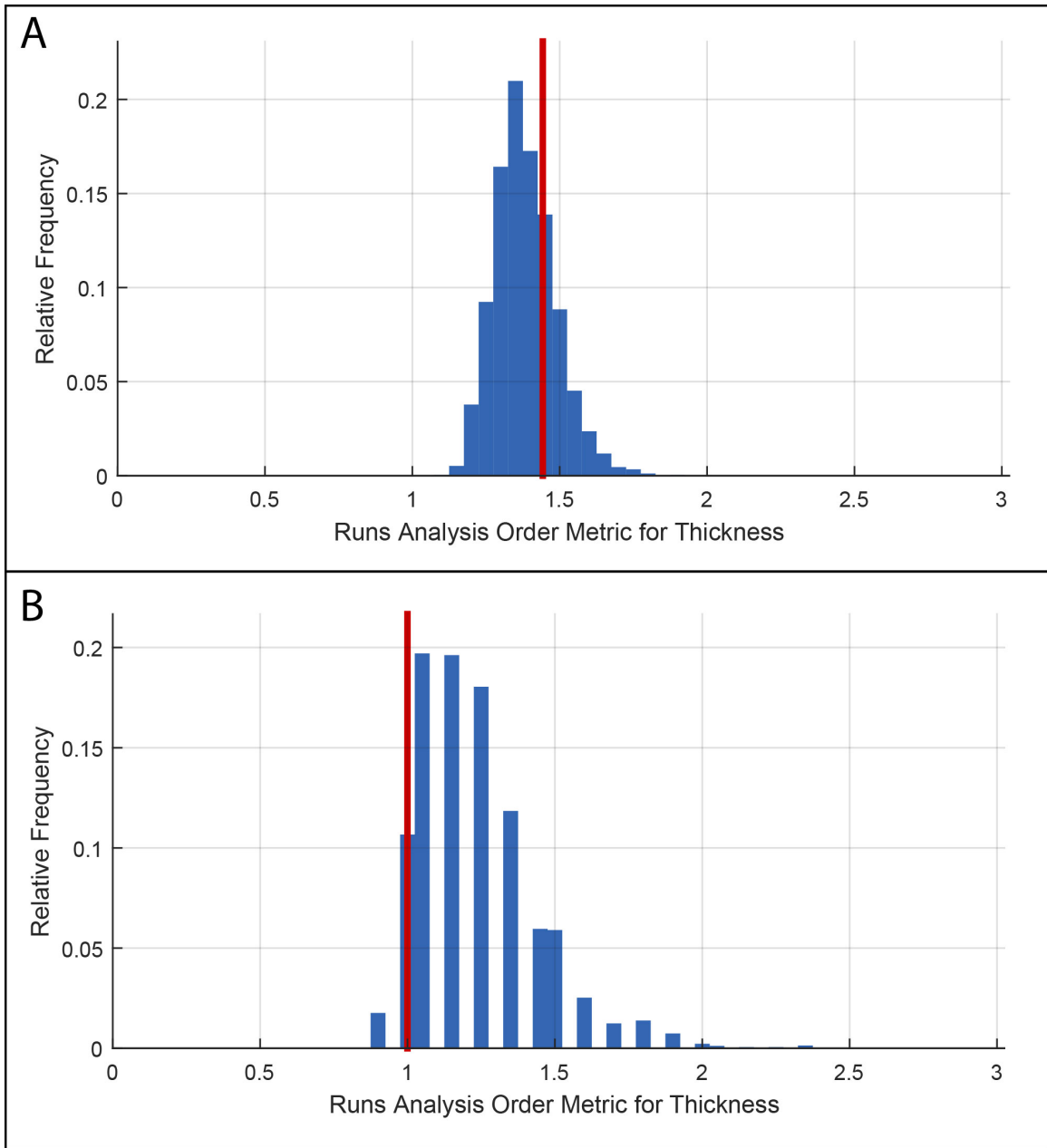


Figure 5.1: Comparison of dense (A) vs. coarse (B) grain size sampling on Monte Carlo results. The coarsely sampled borehole creates artifacts in the PDF of order metrics, whereas the densely sampled borehole contains a complete distribution.

preliminary models to test the feasibility of a seasonal lake producing a strong enough backwater effect to limit channel migration. A 1-D model using parameters from Sylhet basin indicates that a lake would need to be of a size too large to be contained within the basin to produce a backwater effect that would limit flow (Fig. 5.2). Similarly, a 2-D model that tested various geometries of an asymmetrical fan demonstrate that the steepest path of descent nearly always is the preferred path of flow (Fig. 5.3).

However, the introduction of a scour on the less steep path of descent produces favorability for channel migration (Fig. 5.3). The dimensions of the scour used in the model are of the same scale of the paleovalley associated with the OB pathway in Sylhet basin (Fig. 2.5). The origins of this antecedent topography have been debated, but it is possible they formed in response to glacial outburst megafloods sourced from the Tsangpo gorge (Montgomery et al., 2004; Lang et al., 2013). Flood height calculations using a range of bed roughness coefficients produce flood heights consistent with observed valley dimensions (Pickering, 2016). A manuscript currently in prep attempts to link these results to the observed stratigraphic record, demonstrating the importance of antecedence on fluvial system behavior on millennial timescales.

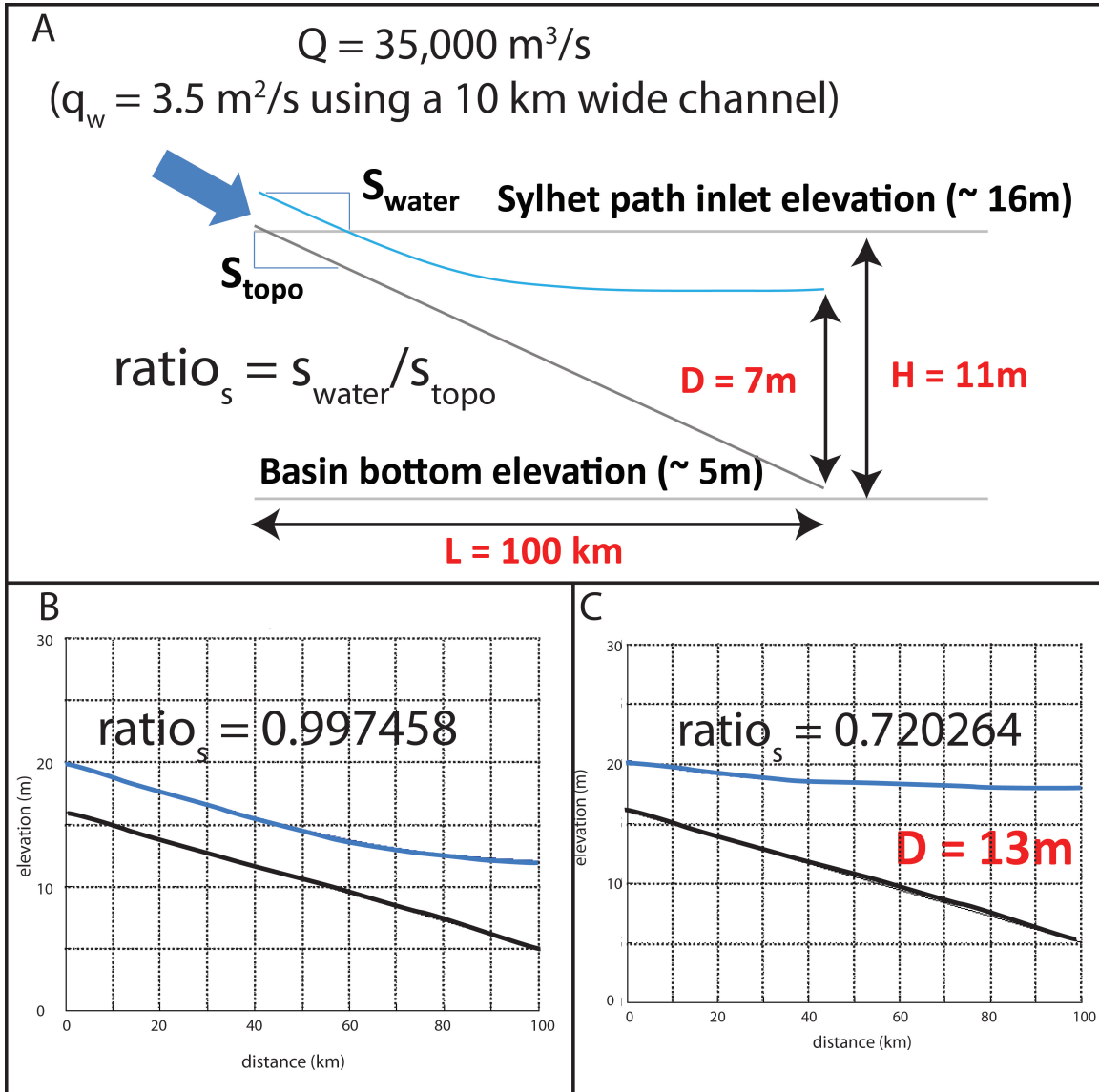


Figure 5.2: 1-D model of the local backwater that would be generated by a seasonal lake, using parameters from Sylhet basin (A). The ratio of water slope to surface slope is used to estimate propensity for channel steering. In the base case (B), the lake normally produced in Sylhet basin does not generate a significant backwater effect. A lake that exceeds the physical dimensions of Sylhet basin (C) is needed to produce a local backwater effect.

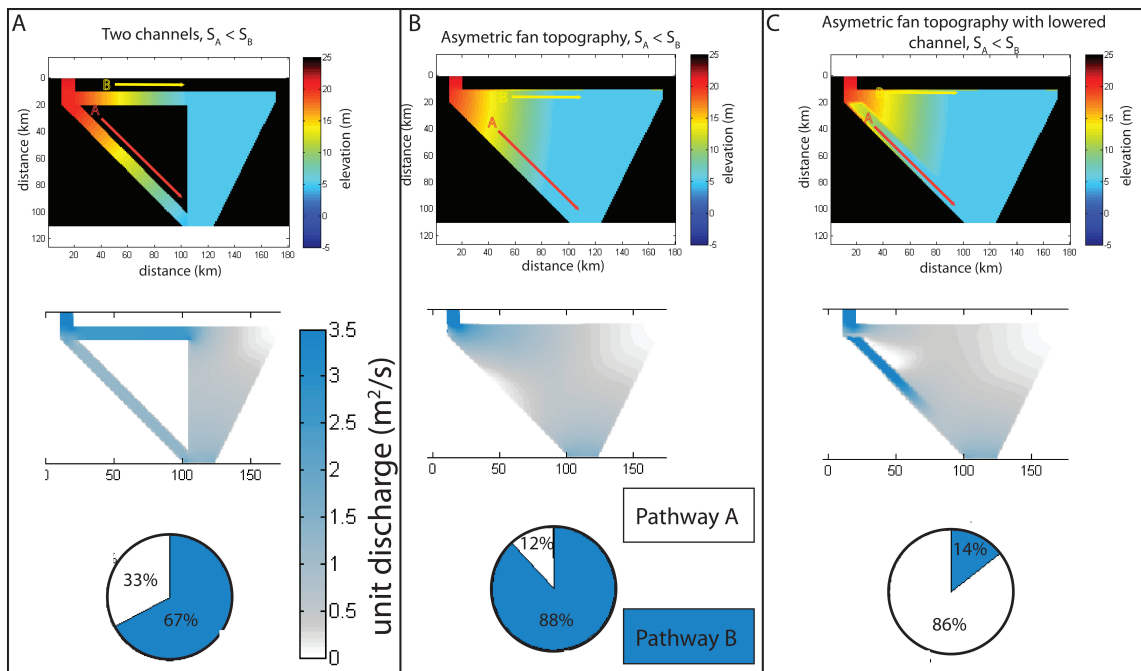


Figure 5.3: 2-D models of channel path preference with a variety of geometric configurations. Top panels show model geometry, bottom panels show percentage of flow along all pathways. Steepest path of descent is always favored, regardless of the use of 2 channels (A) or fan geometry (B). However, when a scour is introduced (C), flow will favor the route with the scour, even if it does not contain the steepest path of descent.

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Appendix A

Grain size data

Table A.1: Grain size data from borehole samples. D(3,2) is surface weighted mean grain size. D(4,3) is volume weighted mean grain size. All measurements are given in μm .

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)</i>	<i>(4,3)</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA00202	Mud	11.303	52.039	2.829	6.055	9.745	23.875	53.27	87.984	223.335
BNGA00205	Mud	11.08	70.031	2.682	5.456	8.868	26.992	91.952	150.126	280.383
BNGA00206	VF-F Sand	130.811	179.076	74.917	102.857	119.431	163.708	223.627	258.171	339.65
BNGA00208	VF-F Sand	229.964	326.616	122.152	171.625	202.665	289.54	413.688	487.451	664.633
BNGA00209	VF-F Sand	285.604	394.454	128.201	184.077	223.429	341.757	518.159	622.03	848.875
BNGA00211	VF-F Sand	327.872	431.908	165.486	235.219	278.024	393.411	549.941	639.554	840.47
BNGA00212	VF-F Sand	379.685	492.365	208.202	281.052	326.902	453.292	627.361	724.862	920.298
BNGA00214	VF-F Sand	335.057	449.794	157.754	232.716	279.496	407.712	584.56	684.655	892.295
BNGA00215	VF-F Sand	394.029	479.032	206.953	272.566	315.912	437.128	605.553	701.166	900.339
BNGA00217	VF-F Sand	450.635	535.228	242.242	315.738	364.215	498.546	678.533	774.762	954.399
BNGA00218	VF-F Sand	456.529	538.856	248.029	321.701	370.043	502.973	680.278	775.235	953.742
BNGA00220	VF-F Sand	418.142	487.776	237.217	299.476	339.702	449.667	600.099	686.372	875.992
BNGA00223	M-C Sand	479.858	592.416	258.222	358.16	417.807	572.329	759.258	848.631	998.555
BNGA00226	M-C Sand	463.606	556.71	240.077	324.028	378.332	525.654	714.745	810.34	977.81
BNGA00229	VF-F Sand	375.375	430.328	221.758	274.801	308.274	397.717	517.819	587.309	754.412
BNGA00230	VF-F Sand	251.499	292.811	143.524	180.819	204.839	270.005	357.607	407.248	520.762
BNGA00502	Mud	10.422	99.047	2.507	5.503	9.243	27.599	116.767	228.268	443.008
BNGA00503	Mud	9.874	110.546	2.388	5.445	9.258	27.415	124.964	246.729	517.586
BNGA00505	VF-F Sand	28.396	252.78	4.782	20.581	57.741	221.701	374.822	460.756	666.794
BNGA00506	VF-F Sand	36.476	268.63	6.399	30.008	87.899	239.641	391.12	476.637	679.886
BNGA00508	VF-F Sand	232.278	467.578	141.257	248.351	299.829	433.414	611.842	711.17	911.848
BNGA00511	VF-F Sand	199.562	357.834	140.243	205.633	239.857	328.889	448.511	517.94	685.076
BNGA00514	VF-F Sand	213.06	304.531	115.985	165.007	194.498	275.088	386.564	451.033	600.391
BNGA00517	M-C Sand	12.291	27.371	3.565	7.271	10.546	21.04	37.312	47.531	73.725
BNGA00520	M-C Sand	312.427	574.37	259.036	358.847	413.596	554.522	730.045	818.757	978.07
BNGA00523	M-C Sand	296.181	504.929	179.172	278.452	331.73	472.717	659.458	759.627	947.103
BNGA00526	M-C Sand	226.867	474.073	115.199	250.939	304.451	441.879	624.229	724.682	922.789
BNGA00529	M-C Sand	191.307	437.183	73.752	217.736	268.918	400.5	579.809	681.867	893.301

Continues on next page

Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA00532	M-C Sand	258.343	346.634	155.034	207.403	238.331	320.295	429.594	491.85	636.374
BNGA00535	M-C Sand	290.134	330.86	170.187	212.168	238.905	310.135	402.413	452.745	562.377
BNGA00538	M-C Sand	85.581	291.714	29.434	154.078	186.732	268.115	376.801	439.727	589.532
BNGA00540	M-C Sand	10.43	80.735	2.985	5.634	8.018	16.942	41.625	131.666	462.108
BNGA00541	M-C Sand	85.733	199.721	66.745	99.185	117.012	166.719	243.438	295.396	454.124
BNGA00543	M-C Sand	84.895	196.231	56.044	88.069	105.459	154.906	234.743	292.595	496.947
BNGA00546	M-C Sand	39.341	186.633	7.321	64.719	92.854	154.174	246.48	308.162	476.395
BNGA00802	Mud	13.575	39.76	4.272	7.934	10.839	21.007	41.531	57.789	113.504
BNGA00803	Mud	8.905	54.783	2.659	4.512	6.234	14.587	49.011	81.786	209.078
BNGA00805	Mud	7.505	32.413	2.509	4.115	5.507	10.818	22.34	32.09	75.873
BNGA00806	Mud	12.213	29.973	3.531	6.966	10.075	21.346	40.918	53.565	86.1
BNGA00808	Mud	10.412	37.944	2.857	5.674	8.609	19.39	37.272	50.03	112.081
BNGA00809	Mud	9.161	35.59	2.669	4.744	6.879	16.523	34.579	47.099	94.364
BNGA00811	VF-F Sand	10.872	43.845	2.929	5.646	8.526	21.55	49.35	70.636	144.286
BNGA00812	VF-F Sand	273.36	392.392	133.65	201.838	242.29	351.929	503.977	593.078	800.836
BNGA00814	VF-F Sand	267.828	354.621	150.286	200.594	232	318.501	440.249	512.772	690.545
BNGA00815	VF-F Sand	331.556	413.161	168.887	227.461	265.791	372.055	519.838	606.011	806.024
BNGA00817	VF-F Sand	358.442	443.778	184.496	245.545	286.025	399.923	560.814	654.485	861.489
BNGA00818	VF-F Sand	384.165	461.925	207.179	268.167	308.449	420.533	576.591	666.875	866.438
BNGA00820	VF-F Sand	210.134	326.57	98.192	143.438	174.47	270.21	425.01	523.053	760.339
BNGA00823	M-C Sand	437.365	560.577	238.347	329.815	385.494	533.559	721.311	815.707	980.521
BNGA01102	Mud	10.592	39.442	3.29	5.936	8.206	16.53	33.115	46.124	103.772
BNGA01105	Mud	9.48	34.375	3.214	5.529	7.359	13.457	24.513	32.917	72.291
BNGA01108	VF-F Sand	20.16	84.817	4.627	11.247	19.025	56.868	119.965	158.962	262.041
BNGA01109	M-C Sand	377.825	469.969	190.977	258.727	303.143	427.209	599.946	698.021	901.001
BNGA01111	M-C Sand	456.758	573.462	248.392	342.801	399.485	548.819	735.513	827.906	987.177
BNGA01112	M-C Sand	385.054	506.398	198.275	284.018	334.931	471.3	653.139	751.724	940.229
BNGA01114	M-C Sand	433.631	517.128	234.09	302.65	348.392	476.937	654.094	751.555	939.493
BNGA01115	M-C Sand	380.193	459.124	204.311	264.279	304.143	416.225	574.269	666.246	868.806
BNGA01117	M-C Sand	418.961	504.832	221.782	291.271	337.071	464.646	639.815	736.955	928.571
BNGA01118	M-C Sand	464.915	555.341	243.77	324.109	377.099	522.845	711.692	807.591	976.215
BNGA01120	VF-F Sand	378.21	455.23	204.284	263.718	303.11	413.327	567.737	657.44	857.729
BNGA01121	VF-F Sand	370.455	438.251	207.363	262.905	299.059	398.856	537.915	619.753	811.956
BNGA01123	VF-F Sand	315.449	355.494	190.018	234.374	261.926	334.221	427.129	478.372	593.352
BNGA01124	VF-F Sand	303.737	350.578	174.918	220.068	248.872	325.993	427.443	483.933	610.4
BNGA01126	VF-F Sand	334.908	395.216	188.147	238.522	271.13	360.373	482.845	554.046	724.369
BNGA01402	Mud	17.659	38.516	5.236	11.248	15.806	29.778	51.818	65.808	101.818
BNGA01403	Mud	15.326	49.314	4.454	9.146	12.991	25.935	49.648	67.39	136.648
BNGA01405	Mud	14.169	50.768	3.892	7.795	11.487	26.954	58.388	80.274	149.142
BNGA01406	VF-F Sand	317.222	383.283	170.621	221.225	254.622	347.337	475.161	548.944	721.198
BNGA01408	VF-F Sand	154.03	220.245	74.543	113.688	136.256	196.868	280.697	330.06	448.544
BNGA01409	VF-F Sand	188.507	254.947	94.615	136.65	162.321	231.644	325.35	378.471	497.902

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA01411	VF-F Sand	232.344	275.719	126.873	163.799	187.984	254.244	342.835	391.978	498.482
BNGA01412	VF-F Sand	222.063	260.25	124.787	158.778	180.662	239.957	319.455	364.329	465.795
BNGA01414	VF-F Sand	265.842	313.152	148.703	189.52	215.833	287.362	384.101	439.242	566.373
BNGA01415	VF-F Sand	337.457	426.776	169.57	227.514	266.786	379.852	543.354	639.533	853.11
BNGA01417	VF-F Sand	195.627	230.23	110.363	139.67	158.623	210.344	280.95	321.85	418.786
BNGA01418	M-C Sand	272.995	390.846	123.662	170.358	204.709	320.47	526.56	649.363	888.148
BNGA01420	M-C Sand	434.337	527.087	223.974	300.019	350.33	490.08	676.665	775.323	956.445
BNGA01423	M-C Sand	547.368	623.817	308.489	396.691	453.423	603.179	783.46	868.248	1008.101
BNGA01426	M-C Sand	461.823	584.013	278.36	368.013	421.295	560.933	735.908	823.913	981.213
BNGA01429	VF-F Sand	322.881	466.467	156.118	251.335	300.604	430.186	605.307	703.723	905.493
BNGA01432	VF-F Sand	375.786	500.845	196.544	277.42	327.303	463.684	647.898	747.9	938.74
BNGA01703	Mud	5.992	59.997	2.024	3.186	4.224	8.452	19.501	32.91	485.873
BNGA01705	Mud	14.731	55.513	3.692	8.511	13.556	31.257	59.411	78.173	140.611
BNGA01706	VF-F Sand	81.432	179.08	32.517	76.029	96.748	151.395	230.05	279.315	413.424
BNGA01708	VF-F Sand	164.273	265.505	79.715	113.278	136.079	207.277	333.582	423.96	669.762
BNGA01709	VF-F Sand	16.268	47.342	4.334	9.951	14.91	30.693	56.413	73.792	127.503
BNGA01711	VF-F Sand	142.375	252.953	68.601	96.752	116.163	179.256	310.497	423.36	726.181
BNGA01712	VF-F Sand	164.263	275.375	77.679	111.361	134.704	210.023	351.144	453.128	715.372
BNGA01715	M-C Sand	528.672	608.769	292.813	379.829	435.976	585.55	768.636	856.18	1002.216
BNGA01720	M-C Sand	466.735	587.549	260.214	355.136	413.119	565.603	752.727	843.155	995.696
BNGA01723	M-C Sand	507.435	592.433	274.218	359.773	415.647	566.552	754.06	844.608	996.713
BNGA01729	M-C Sand	500.608	586.279	269.622	354.547	409.857	559.175	746.43	838	993.128
BNGA02003	VF-F Sand	7.34	43.394	2.456	4.034	5.387	10.413	21.356	31.606	187.724
BNGA02005	VF-F Sand	251.12	329.778	126.553	185.972	219.552	306.338	418.327	479.982	614.997
BNGA02006	VF-F Sand	180.572	209.53	103.227	130.18	147.466	194.002	255.743	290.421	369.131
BNGA02008	VF-F Sand	191.102	225.022	107.533	136.297	154.916	205.761	275.093	315.061	408.942
BNGA02009	VF-F Sand	253.802	294.934	145.47	182.825	206.883	272.053	359.626	409.367	523.343
BNGA02011	VF-F Sand	230.352	277.715	124.564	160.673	184.625	251.572	344.623	398.298	521.676
BNGA02012	VF-F Sand	359.473	475.739	172.479	250.872	300.171	435.298	619.558	721.428	921.715
BNGA02014	VF-F Sand	408.489	492.924	217.414	282.985	326.879	450.627	623.451	720.855	917.339
BNGA02015	M-C Sand	335.781	410.309	177.982	232.35	268.368	369.211	510.984	594.35	790.688
BNGA02017	M-C Sand	443.961	526.253	240.96	311.648	358.381	488.116	664.122	760.041	944.025
BNGA02018	M-C Sand	362.438	413.151	215.835	266.806	298.783	383.66	495.875	559.946	712.374
BNGA02020	M-C Sand	508.623	590.333	279.567	362.178	416.346	563.006	747.451	838.074	992.634
BNGA02302	VF-F Sand	231.66	318.172	112.827	163.35	195.037	282.49	404.924	476.86	649.035
BNGA02305	VF-F Sand	164.349	199.526	89.985	115.404	131.937	177.664	241.968	280.669	380.704
BNGA02308	VF-F Sand	344.126	402.444	195.17	247.073	280.291	369.958	490.547	559.676	722.823
BNGA02309	VF-F Sand	294.395	342.306	167.606	211.974	240.388	316.864	418.297	475.204	604.416
BNGA02314	VF-F Sand	304.601	353.763	174.691	219.627	248.495	326.503	430.943	490.181	626.409
BNGA02327	VF-F Sand	384.04	469.95	200.356	264.25	306.739	426.455	594.892	691.477	894.475
BNGA02329	VF-F Sand	208.288	281.217	105.776	147.625	174.875	251.287	358.168	419.973	562.312
BNGA02332	M-C Sand	520.711	597.178	294.339	374.226	426.723	569.329	750.299	839.837	993.294

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA02335	VF-F Sand	219.292	336.521	102.87	153.359	185.945	282.333	434.617	532.275	771.377
BNGA02340	VF-F Sand	349.05	486.972	150.257	252.185	307.736	452.351	642.325	744.515	937.909
BNGA02346	VF-F Sand	354.485	468.867	176.452	256.428	303.587	430.092	602.519	700.059	902.113
BNGA02602	VF-F Sand	82.717	137.169	36.522	59.423	73.967	116.153	179.632	218.467	312.239
BNGA02603	VF-F Sand	271.202	316.943	151.731	193.643	220.858	294.534	391.466	444.594	559.024
BNGA02605	VF-F Sand	359.512	436.004	192.112	249.402	287.505	394.199	543.92	631.293	831.01
BNGA02606	VF-F Sand	277.776	329.351	152.296	196.005	224.664	303.309	408.724	467.501	596.294
BNGA02608	VF-F Sand	331.277	446.341	147.509	221.785	270.334	403.753	585.622	687.626	896.761
BNGA02609	M-C Sand	364.856	477.176	173.844	258.454	308.341	440.151	616.062	713.813	911.919
BNGA02611	M-C Sand	325.235	449.712	148.606	231.954	280.738	410.306	585.638	684.729	891.512
BNGA02612	VF-F Sand	239.01	285.065	132.183	169.057	192.919	258.542	349.284	402.411	529.684
BNGA02614	VF-F Sand	207.491	240.563	118.535	149.605	169.546	223.198	294.167	333.786	422.594
BNGA02615	VF-F Sand	204.548	253.751	106.782	140.092	162.428	225.751	316.198	369.924	498.571
BNGA02617	VF-F Sand	234.782	281.145	126.133	164.547	189.638	258.453	350.734	402.207	514.677
BNGA02618	VF-F Sand	178.811	239.144	88.83	118.272	138.526	198.853	294.361	357.47	531.899
BNGA02620	VF-F Sand	218.358	308.636	98.078	139.589	169.091	258.818	397.159	483.141	697.734
BNGA02623	M-C Sand	392.643	509.028	192.033	275.449	328.362	472.86	664.117	765.159	951.37
BNGA02626	M-C Sand	495.147	578.517	269.675	350.763	403.896	548.895	734.167	826.608	986.47
BNGA02629	M-C Sand	439.921	522.959	237.914	307.933	354.382	484.047	660.895	757.569	942.949
BNGA02632	M-C Sand	447.99	519.009	255.931	321.605	364.312	481.592	641.168	730.616	914.745
BNGA02635	M-C Sand	272.694	371.471	136.62	194.851	231.364	332.02	472.333	554.559	749.673
BNGA02638	M-C Sand	263.421	391.654	121.162	182.403	222.792	340.458	514.96	618.975	848.048
BNGA02641	M-C Sand	197.932	229.354	113.051	142.927	161.998	213.087	280.344	317.794	401.671
BNGA02643	M-C Sand	210.559	346.407	82.614	139.557	178.527	293.495	464.074	566.524	802.918
BNGA02802	VF-F Sand	236.993	282.142	129.503	166.639	191.138	258.709	350.348	401.93	515.903
BNGA02806	VF-F Sand	270.342	371.21	133.532	190.949	227.486	329.312	473.392	558.762	761.962
BNGA02809	VF-F Sand	230.802	266.334	132.72	167.062	189.037	247.957	325.309	368.165	462.931
BNGA02811	VF-F Sand	155.913	183.253	87.635	111.355	126.662	168.211	224.162	256.081	330.505
BNGA02812	VF-F Sand	303.985	417.153	134.184	207.146	252.677	375.208	542.615	639.115	852.4
BNGA02815	M-C Sand	448.563	534.776	239.709	313.039	361.737	497.453	680.237	777.61	957.323
BNGA02818	M-C Sand	451.309	535.738	242.826	316.449	364.905	499.076	678.914	775.144	954.756
BNGA02823	M-C Sand	375.405	488.545	188.216	269.206	318.423	450.997	629.506	728.042	923.397
BNGA02826	VF-F Sand	337.14	393.213	191.951	242.382	274.758	362.155	479.178	545.802	701.599
BNGA02829	VF-F Sand	250.392	327.575	122.687	166.72	196.625	283.529	412.898	492.211	688.669
BNGA02832	M-C Sand	432.567	504.888	243.962	309.212	351.397	466.943	624.493	713.627	901.592
BNGA02837	VF-F Sand	391.292	460.171	219.936	278.687	316.751	421.188	565.411	649.475	841.952
BNGA02838	VF-F Sand	207.745	260.826	107.277	141.295	164.236	229.895	325.174	382.591	522.268
BNGA02840	VF-F Sand	164.081	232.932	86.036	118.582	139.566	199.464	289.037	345.836	498.623
BNGA02841	VF-F Sand	260.296	362.479	125.623	187.468	224.428	324.458	462.666	543.635	736.219
BNGA02844	M-C Sand	485.064	570.405	261.298	342.334	395.315	539.831	725.45	819.027	982.252
BNGA02847	M-C Sand	428.605	509.116	233.277	300.804	345.386	469.444	639.648	734.603	924.919
BNGA02850	M-C Sand	389.053	458.512	217.918	276.765	314.88	419.446	563.889	648.084	841.083

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA02853	M-C Sand	370.067	484.922	192.747	269.763	317.114	446.126	622.445	720.89	918.154
BNGA03102	VF-F Sand	197.344	296.202	87.293	140.19	172.601	260.433	382.468	454.666	630.315
BNGA03103	VF-F Sand	178.011	252.035	82.679	125.521	152.319	225.374	325.525	383.116	515.079
BNGA03105	VF-F Sand	268.47	367.442	126.858	195.039	233.168	333.097	467.648	545.402	728.915
BNGA03106	VF-F Sand	206.948	258.477	105.992	141.181	164.671	231.109	325.004	379.72	506.048
BNGA03108	VF-F Sand	219.463	247.779	131.977	162.691	181.932	232.466	297.968	334.216	416.043
BNGA03109	VF-F Sand	277.857	344.777	143.845	190.649	221.689	308.801	430.997	502.32	670.347
BNGA03111	VF-F Sand	350.46	421.477	189.268	245.304	282.019	383.372	522.622	603.027	789.616
BNGA03112	VF-F Sand	317.106	366.759	181.748	229.367	259.754	341.012	447.722	507.084	640.344
BNGA03114	VF-F Sand	161.22	189.738	91.727	115.377	130.677	172.491	229.86	263.441	345.776
BNGA03115	VF-F Sand	166.258	192.576	95.796	120.12	135.757	177.944	234.22	266.087	339.637
BNGA03117	VF-F Sand	158.977	179.905	95.095	117.644	131.736	168.727	216.5	242.968	302.832
BNGA03118	VF-F Sand	181.207	216.367	99.77	127.916	146.192	196.525	265.873	306.203	401.591
BNGA03120	VF-F Sand	324.086	433.635	159.932	229.018	272.175	391.092	557.121	653.164	863.169
BNGA03123	VF-F Sand	424.881	511.205	224.863	295.642	342.245	471.734	648.592	745.811	935.065
BNGA03126	VF-F Sand	388.887	467.909	208.634	271.565	312.797	427.147	585.314	676.011	874.088
BNGA03129	VF-F Sand	361.648	411.428	216.207	266.709	298.38	382.403	493.356	556.555	706.724
BNGA03132	VF-F Sand	367.139	428.798	208.551	263.639	298.983	394.536	523.171	596.929	770.401
BNGA03135	VF-F Sand	336.826	408.543	179.667	234.378	270.354	370.169	507.944	587.694	773.914
BNGA03138	VF-F Sand	427.298	504.979	234.964	301.616	345.278	465.957	630.896	723.51	913.748
BNGA03141	VF-F Sand	265.676	308.573	151.678	191.278	216.747	285.653	377.445	428.863	544.395
BNGA03144	VF-F Sand	424.92	505.827	230.292	297.884	342.461	466.083	635.711	730.502	921.842
BNGA03147	VF-F Sand	367.105	484.271	183.359	260.141	308.862	443.966	628.991	730.613	928.016
BNGA03150	VF-F Sand	473.496	555.039	259.454	334.599	384.175	520.812	701.224	795.67	967.421
BNGA03153	VF-F Sand	450.014	519.471	258.86	324.481	366.896	482.752	639.664	727.714	911.023
BNGA03155	VF-F Sand	463.153	533.722	266.165	334.094	378.041	497.896	659.113	748.286	927.971
BNGA03603	VF-F Sand	218.653	252.713	125.149	158.134	179.172	235.413	309.066	349.822	439.759
BNGA03606	VF-F Sand	222.595	251.737	132.832	164.765	184.62	236.693	303.608	340.364	422.21
BNGA03609	VF-F Sand	286.72	355.881	149.904	196.496	227.651	316.158	443.104	518.765	701.385
BNGA03612	VF-F Sand	146.026	236.552	62.985	103.615	129.66	204.264	311.489	374.551	522.688
BNGA03615	VF-F Sand	193.519	274.214	100.702	138.907	163.696	234.762	341.688	409.588	590.162
BNGA03618	VF-F Sand	170.918	200.613	96.234	122.224	138.957	184.334	245.359	280.115	360.966
BNGA03621	VF-F Sand	139.666	206.396	66.425	98.213	118.485	176.348	262.27	315.565	452.333
BNGA03624	VF-F Sand	173.559	229.806	91.106	125.629	147.458	207.431	290.135	337.906	448.49
BNGA03627	M-C Sand	366.372	444.758	194.846	254.102	293.307	402.772	556.024	645.255	846.669
BNGA03635	M-C Sand	346.13	427.252	180.811	237.514	275.339	382.521	536.209	627.361	836.284
BNGA03638	M-C Sand	364.955	487.594	180.139	261.296	311.372	448.609	635.096	736.97	932.671
BNGA03641	M-C Sand	248.581	309.935	128.749	169.58	197.076	275.476	387.689	453.961	610.489
BNGA03643	M-C Sand	426.192	509.698	228.652	297.414	342.941	469.737	643.798	740.387	930.731
BNGA03647	M-C Sand	293.604	344.287	164.831	210.064	239.08	317.428	422.142	481.281	616.323
BNGA03650	M-C Sand	442.182	528.794	235.056	308.335	356.686	491.06	672.383	769.809	952.173
BNGA03653	M-C Sand	364.731	438.92	196.901	254.945	293.099	398.746	545.277	630.437	826.224

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA03656	M-C Sand	426.135	542.151	221.401	312.635	367.346	512.388	698.774	794.973	967.967
BNGA04002	VF-F Sand	189.956	245.361	103.849	143.775	167.266	229.005	309.18	353.029	446.824
BNGA04003	VF-F Sand	176.798	236.86	86.857	131.311	155.799	219.135	301.716	347.578	448.519
BNGA04005	VF-F Sand	280.966	328.584	157.856	200.188	227.966	303.894	405.281	461.546	584.543
BNGA04006	VF-F Sand	163.031	237.435	66.843	105.556	132.531	208.278	312.112	371.979	511.31
BNGA04008	VF-F Sand	194.533	235.546	103.694	135.363	156.255	214.148	293.579	338.916	441.485
BNGA04009	VF-F Sand	225.444	282.667	113.46	153.652	180.294	254.758	357.598	416.318	548.963
BNGA04011	VF-F Sand	244.726	294.079	132.152	171.045	196.751	268.033	365.737	421.271	546.229
BNGA04012	VF-F Sand	188.307	218.207	108.003	136.02	153.948	202.118	265.987	301.9	383.794
BNGA04014	VF-F Sand	169.911	192.605	101.042	125.539	140.801	180.789	232.245	260.625	324.419
BNGA04015	VF-F Sand	172.378	228.4	86.409	114.995	134.394	191.143	279.092	336.946	501.115
BNGA04017	VF-F Sand	321.781	455.289	135.846	233.464	285.707	419.356	595.704	694.176	897.779
BNGA04018	VF-F Sand	167.09	195.045	94.733	119.99	136.207	179.961	238.327	271.315	347.242
BNGA04020	VF-F Sand	216.887	276.32	107.202	146.287	172.485	246.807	351.37	411.622	548.104
BNGA04023	VF-F Sand	265.86	375.677	123.908	186.368	225.287	333.002	484.394	573.641	783.461
BNGA04026	VF-F Sand	180.008	235.455	89.917	120.308	140.945	201.003	291.957	349.522	501.303
BNGA04029	VF-F Sand	232.676	317.146	117.044	167.736	198.841	284.171	402.812	471.86	633.739
BNGA04032	VF-F Sand	300.597	419.991	147.23	226.486	269.413	382.754	536.984	626.199	829.447
BNGA04035	VF-F Sand	331.675	426.908	193.51	257.322	295.071	394.696	527.762	604.171	783.419
BNGA04038	VF-F Sand	264.483	362.725	122.585	189.466	229.384	339.317	495.068	587.206	801.513
BNGA04041	VF-F Sand	293.503	411.871	136.2	210.495	253.93	370.937	532.284	655.89	837.037
BNGA04044	VF-F Sand	372.175	483.477	196.6	271.804	318.278	444.831	617.622	714.556	911.981
BNGA04047	VF-F Sand	254.423	352.093	124.207	191.674	228.002	322.581	447.94	518.966	682.349
BNGA04050	VF-F Sand	202.029	306.784	92.133	138.651	168.764	257.393	394.899	481.784	700.763
BNGA04603	Mud	18.419	50.488	4.725	10.937	17.282	38.918	70.619	89.648	137.339
BNGA04604		237.926	421.009	112.256	213.611	260.604	382.996	550.015	646.334	858.042
BNGA04606	VF-F Sand	230.899	311.851	134.368	181.276	209.194	284.199	386.975	447.034	590.863
BNGA04608	VF-F Sand	179.149	243.805	97.865	135.373	158.079	219.958	306.085	356.696	476.815
BNGA04612	M-C Sand	309.903	357.06	178.95	224.816	254.099	332.383	435.068	492.094	619.794
BNGA04615	M-C Sand	338.357	394.806	193.326	243.285	275.408	362.496	480.18	547.847	708.298
BNGA04618	M-C Sand	389.957	478.797	201.885	267.235	310.981	434.979	609.582	708.596	910.123
BNGA04621	M-C Sand	350.86	409.182	200.447	252.338	285.683	376.066	498.074	568.148	733.605
BNGA04624	M-C Sand	327.61	379.308	188.308	236.831	267.872	351.219	461.626	523.743	666.483
BNGA04627	M-C Sand	423.757	509.085	225.35	294.365	340.245	468.773	645.411	742.915	933.248
BNGA04630	M-C Sand	411.242	491.783	221.7	288.065	331.513	451.722	616.962	710.291	904.871
BNGA04634	M-C Sand	391.478	458.713	222.094	279.733	317.121	419.854	562.035	644.993	836.535
BNGA04640	M-C Sand	378.311	446.422	211.877	269.124	306.183	407.756	548.024	630.007	821.47
BNGA04646	M-C Sand	282.344	341.124	153.8	197.907	226.676	306.553	418.82	485.455	648.321
BNGA04649	M-C Sand	354.03	432.095	187.451	244.842	282.909	389.723	540.121	628.221	830.267
BNGA04654		408.487	537.219	204.274	298.542	355.673	507.838	701.519	799.628	972.243
BNGA04902	VF-F Sand	261.586	293.298	158.265	195.134	218.007	277.469	352.745	393.479	482.225
BNGA04903	VF-F Sand	244.292	282.239	140.333	176.612	199.842	262.339	344.916	390.861	492.907

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA04905	VF-F Sand	247.445	279.914	147.958	183.094	205.036	262.739	337.344	378.464	470.718
BNGA04906	VF-F Sand	213.628	246.308	123.276	154.796	174.959	229.07	300.406	340.136	428.703
BNGA04908	VF-F Sand	214.973	253.33	120.373	153.213	174.378	232.057	310.417	355.421	459.991
BNGA04909	VF-F Sand	189.318	221.312	106.334	135.708	154.49	204.959	271.681	308.929	392.592
BNGA04911	VF-F Sand	198.289	273.969	102.24	142.225	168.074	241.178	346.765	410.047	562.727
BNGA04912	VF-F Sand	306.423	383.553	156.692	208.853	243.687	342.092	481.46	563.542	758.438
BNGA04914	VF-F Sand	297.345	364.984	155.601	205.446	238.283	329.499	455.39	527.987	697.432
BNGA04915	VF-F Sand	264.352	328.402	137.771	180.819	209.792	292.229	409.807	479.201	644.225
BNGA04917	M-C Sand	329.153	407.35	170.021	226.198	263.269	366.663	510.779	594.766	790.842
BNGA04918	M-C Sand	392.141	478.503	204.734	270.324	313.854	435.988	606.315	703.061	903.352
BNGA04920	VF-F Sand	298.43	343.753	172.139	216.456	244.737	320.408	419.434	474.153	595.31
BNGA04923	VF-F Sand	172.599	232.068	84.733	113.872	133.908	193.339	286.426	347.37	515.362
BNGA04926	M-C Sand	344.171	402.705	194.802	246.946	280.323	370.376	491.237	560.364	723.078
BNGA04929	M-C Sand	328.35	394.472	178.086	230.038	264.195	358.551	488.01	562.589	736.571
BNGA04932	M-C Sand	427.337	498.995	241.153	305.492	347.126	461.021	616.375	704.605	893
BNGA04935	M-C Sand	365.779	430.756	205.355	261.01	296.798	394.185	527.134	604.471	787.549
BNGA04946	M-C Sand	375.592	489.903	187.615	266.525	316.152	451.542	634.014	733.922	928.721
BNGA04949	VF-F Sand	278.989	386.923	139.12	195.346	232.274	338.846	496.294	591.249	811.772
BNGA04952	VF-F Sand	263.564	325.633	138.56	180.999	209.441	290.161	405.329	473.404	635.651
BNGA04953	VF-F Sand	334.91	416.393	171.919	229.385	267.381	373.926	523.815	611.577	814.478
BNGA05202	VF-F Sand	204.7	280.118	107.409	149.686	176.191	249.676	353.493	414.94	562.01
BNGA05206	VF-F Sand	183.673	227.355	96.072	126.199	146.262	202.745	282.742	330.093	444.223
BNGA05212	VF-F Sand	153.024	178.484	86.744	109.928	124.794	164.878	218.177	248.19	316.826
BNGA05215	VF-F Sand	328.965	418.778	162.199	222.942	262.94	375.051	532.672	624.804	834.318
BNGA05221	VF-F Sand	271.089	327.13	145.504	189.089	217.829	297.421	406.704	469.208	611.451
BNGA05227	VF-F Sand	335.251	407.647	177.262	233.995	270.585	370.675	507.206	585.845	769.286
BNGA05235	VF-F Sand	238.557	302.23	122.185	161.8	188.43	264.682	376.176	444.1	613.119
BNGA05238	VF-F Sand	287.06	389.061	139.033	198.41	236.816	344.722	498.39	589.414	801.585
BNGA05502	Mud	14.276	43.816	4.084	8.331	11.901	24.352	49.67	71.859	160.088
BNGA05503	Mud	15.352	56.189	4.104	8.637	12.745	29.14	72.074	108.605	202.841
BNGA05505	Mud	12.058	29.771	3.548	7.002	10.005	20.228	37.95	50.106	85.041
BNGA05506	Mud	10.407	54.131	2.788	5.292	7.96	20.154	55.25	106.001	239.751
BNGA05508	VF-F Sand	203.564	245.494	109.879	142.049	163.335	222.598	304.63	351.899	460.836
BNGA05509	VF-F Sand	172.634	234.339	89.887	130.856	154.154	215.598	297.244	343.142	446.047
BNGA05511	VF-F Sand	189.04	229.729	100.85	131.397	151.54	207.61	285.394	330.478	435.498
BNGA05512	VF-F Sand	192.293	228.291	106.327	136.267	155.634	208.521	280.559	321.988	418.473
BNGA05514	VF-F Sand	171.38	233.162	99.924	136.306	157.822	214.97	291.338	334.634	433.865
BNGA05515	VF-F Sand	187.158	240.089	108.752	144.338	165.801	222.694	297.85	339.992	435.27
BNGA05517	VF-F Sand	232.734	282.142	123.829	161.603	186.634	256.252	352.13	406.789	529.996
BNGA05518	M-C Sand	318.691	446.906	148.324	221.658	269.517	403.542	588.248	691.433	900.81
BNGA05520	M-C Sand	321.118	443.122	149.801	221.2	267.791	398.531	580.857	684.222	896.292
BNGA05521	M-C Sand	378.739	464.255	195.907	262.132	305.099	423.349	586.065	679.162	880.242

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA05523	VF-F Sand	295.375	389.462	157.125	216.407	253.178	352.977	489.554	568.738	755.625
BNGA05524	VF-F Sand	269.888	369.341	135.283	190.797	226.576	327.124	470.206	555.051	757.565
BNGA05526	VF-F Sand	223.892	307.151	119.056	163.16	191.379	270.804	385.618	454.954	625.373
BNGA05527	Mud	302.807	412.121	160.331	221.574	260.393	368.97	523.696	615.257	825.487
BNGA05529	VF-F Sand	312.515	375.886	169.157	218.649	251.269	341.524	465.359	536.456	701.628
BNGA05530	VF-F Sand	341.757	423.748	176.698	233.831	271.948	379.749	533.125	623.426	830.286
BNGA05532	M-C Sand	469.463	583.612	245.8	344.794	405.088	562.216	752.534	843.643	996.29
BNGA05534		432.044	524.067	223.483	298.385	348.038	486.317	672.055	770.884	953.723
BNGA05535	M-C Sand	412.344	496.231	220.118	286.067	330.104	454.233	627.223	724.505	919.92
BNGA05537		395.46	475.99	212.659	275.186	316.785	433.499	597.217	691.309	891.367
BNGA05538	M-C Sand	367.331	432.836	206.784	261.812	297.42	394.97	529.591	608.43	795.843
BNGA05540		454.071	540.949	241.816	317.348	367.148	505.077	688.738	785.489	962.179
BNGA05541	M-C Sand	412.329	480.574	234.664	295.71	335.158	442.811	589.866	674.327	863.226
BNGA05543		403.046	470.565	229.232	288.757	327.265	432.548	576.901	660.284	849.578
BNGA05544	VF-F Sand	290.363	387.321	152.156	209.946	246.292	346.651	488.214	572.311	773.128
BNGA05546		304.769	364.414	165.964	214.198	245.793	332.552	450.576	517.956	672.711
BNGA05547	VF-F Sand	321.843	398.067	166.829	221.734	257.691	357.719	497.654	579.776	774.036
BNGA05549		289.433	343.66	158.564	204.108	233.986	315.832	425.896	487.499	624.496
BNGA05550	VF-F Sand	294.697	341.878	167.57	212.605	241.273	317.879	418.299	474.019	598.405
BNGA05552		461.074	541.703	253.11	325.394	373.126	505.315	682.641	777.69	955.677
BNGA05553	M-C Sand	473.75	558.345	255.985	333.62	384.613	524.987	709.017	804.021	973.531
BNGA05555		473.267	554.231	260.24	334.746	383.884	519.543	699.492	794.099	966.566
BNGA05556	M-C Sand	464.539	546.052	254.342	327.401	375.824	510.064	689.621	784.943	960.854
BNGA05559	Mud	9.253	46.793	2.744	4.737	6.606	15.558	44.67	70.356	174.494
BNGA05561		418.729	531.21	229.216	310.421	360.873	497.506	678.664	775.293	955.185
BNGA05563	M-C Sand	476.118	546.813	274.411	344.127	389.23	512.035	676.06	765.581	941.115
BNGA05564		506.07	575.3	295.185	368.673	416.023	544.106	710.929	798.88	963.604
BNGA05566	M-C Sand	434.705	514.022	238.15	306.586	351.411	475.283	644.358	738.397	926.43
BNGA05567	M-C Sand	525.921	595.809	306.167	384.215	434.251	568.142	738.21	824.556	980.624
BNGA05569	M-C Sand	526.432	595.674	307.507	385.058	434.795	567.901	737.135	823.301	979.611
BNGA05570	M-C Sand	531.713	610.664	296.198	382.973	438.888	587.517	769.597	856.766	1002.394
BNGA05903	Mud	11.505	55.162	2.939	5.768	8.875	26.047	72.049	106.323	209.225
BNGA05905	VF-F Sand	245.321	307.377	147.757	194.197	221.157	290.676	379.054	427.009	530.753
BNGA05906	VF-F Sand	19.706	98.42	4.73	11.782	18.789	44.555	95.419	139.549	459.79
BNGA05908	VF-F Sand	351.911	411.254	199.411	251.693	285.787	378.761	503.683	574.304	735.555
BNGA05915	VF-F Sand	233.888	268.41	135.406	170.084	192.186	251.046	327.514	369.386	460.898
BNGA05921	VF-F Sand	177.794	210.607	98.294	126.248	144.246	193.117	258.984	296.549	383.415
BNGA05927	M-C Sand	417.627	502.525	221.765	291.164	336.576	462.449	635.287	731.694	924.427
BNGA05934	M-C Sand	343.777	419.084	183.511	238.058	274.316	376.385	521.564	607.639	809.464
BNGA05940	M-C Sand	472.433	545.478	268.797	339.913	385.824	510.786	677.252	767.614	943.416
BNGA05946	M-C Sand	433.91	516.614	234.482	303.628	349.472	477.228	652.067	748.346	936.173
BNGA05952	M-C Sand	418.385	542.692	211.976	309.437	365.899	514.41	703.675	800.324	971.887

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA05956	M-C Sand	491.046	573.64	268.017	349.389	401.895	543.884	725.541	817.552	980.117
BNGA06202	VF-F Sand	8.664	80.205	2.395	4.176	5.95	16.401	95.297	191.475	371.007
BNGA06203	VF-F Sand	8.299	29.976	2.635	4.461	6.089	12.752	28.75	41.773	83.93
BNGA06205	VF-F Sand	8.542	31.855	2.651	4.537	6.251	13.573	31.721	45.86	89.922
BNGA06206	VF-F Sand	10.041	24.366	3.344	5.575	7.465	14.787	30.706	42.65	76.582
BNGA06208	VF-F Sand	146.587	189.387	73.489	98.214	115.031	163.939	236.996	282.062	394.681
BNGA06209	VF-F Sand	137.642	160.358	78.111	98.95	112.31	148.275	195.988	222.801	284.118
BNGA06211	VF-F Sand	168.17	254.308	78.895	118.782	144.796	219.726	329.235	394.811	551.842
BNGA06212	VF-F Sand	135.544	170.051	70.006	92.303	107.313	150.119	211.743	248.701	339.266
BNGA06214	VF-F Sand	201.402	272.727	96.638	147.262	175.643	249.807	348.19	403.664	528.347
BNGA06215	VF-F Sand	219.44	277.44	113.12	149.259	173.434	242.455	343.738	406.054	563.978
BNGA06217	VF-F Sand	210.214	257.08	112.295	145.484	167.588	229.888	318.408	370.942	496.955
BNGA06218	VF-F Sand	222.002	283.005	113.514	150.179	174.843	245.894	351.568	417.049	582.36
BNGA06220	VF-F Sand	374.715	450.712	202.132	261.8	301.099	410.034	561.197	648.819	846.604
BNGA06223	VF-F Sand	210.989	258.106	111.844	145.689	168.288	231.985	321.742	374.059	495.198
BNGA06226	VF-F Sand	190.626	249.665	98.33	128.134	148.409	207.86	301.141	364.129	552.647
BNGA06229	M-C Sand	415.086	472.78	247.366	305.186	341.694	439.032	569.496	644.52	819.905
BNGA06232	M-C Sand	361.45	408.485	218.524	268.2	299.29	381.286	488.528	549.098	691.316
BNGA06235	M-C Sand	454.587	540.065	243.379	318.718	368.161	504.347	685.591	781.675	959.086
BNGA06238	M-C Sand	366.085	425.67	209.81	263.827	298.484	392.118	517.999	590.123	759.797
BNGA06241	M-C Sand	427.202	513.156	226.862	296.562	343.059	473.295	651.623	799.221	937.605
BNGA06244	M-C Sand	471.12	544.003	267.932	339.03	384.889	509.475	675.079	765.079	940.982
BNGA06247	M-C Sand	459.387	542.513	248.986	323.384	372.256	506.929	686.194	781.468	958.321
BNGA06250	M-C Sand	479.242	552.561	272.623	345.033	391.847	518.98	686.83	776.888	949.657
BNGA06253	M-C Sand	387.432	454.066	219.07	276.828	314.184	416.301	556.333	637.572	825.548
BNGA06256	M-C Sand	407.512	514.368	195.301	276.571	330.317	478.397	672.181	773.032	956.192
BNGA06602	Mud	11.151	23.638	3.454	6.606	9.205	17.656	31.509	40.562	64.793
BNGA06603	Mud	8.274	30.476	2.745	4.714	6.369	12.092	22.393	29.854	57.109
BNGA06605	Mud	9.495	19.568	3.154	5.535	7.461	13.996	25.58	33.533	55.558
BNGA06606	VF-F Sand	269.288	309.365	155.805	195.589	221.008	289.001	377.626	426.325	532.739
BNGA06608	VF-F Sand	246.445	285.397	141.528	177.928	201.31	264.381	348.36	395.506	501.708
BNGA06609	VF-F Sand	270.277	312.736	154.895	195.281	221.113	290.537	382.182	433.193	546.915
BNGA06611	VF-F Sand	287.166	396.507	148.504	208.376	246.458	353.143	505.398	595.592	805.831
BNGA06612	VF-F Sand	306.883	356.098	175.262	221.377	250.855	330.085	434.976	493.709	626.265
BNGA06614	VF-F Sand	299.73	353.872	167.834	213.38	242.829	323.288	433.001	496.216	644.963
BNGA06615	VF-F Sand	234.222	272.577	132.842	168.496	191.286	252.626	333.941	379.405	481.245
BNGA06617	VF-F Sand	286.894	345.772	154.553	200.089	230.27	314.281	429.741	495.694	645.835
BNGA06618	VF-F Sand	335.233	418.933	171.441	228.523	266.548	374.356	528.436	619.442	827.84
BNGA06620	VF-F Sand	303.447	370.947	161.193	209.957	242.37	333.224	460.7	535.4	712.709
BNGA07002	Mud	10.195	33.517	3.102	5.852	8.219	16.274	30.453	40.657	77.144
BNGA07003	VF-F Sand	440.393	509.345	253.391	317.154	358.43	471.576	626.204	714.121	900.744
BNGA07005	VF-F Sand	288.73	332.608	166.776	209.313	236.544	309.613	405.715	459.044	577.525

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA07006	VF-F Sand	282.45	326.553	161.997	204.063	231.029	303.495	398.985	452.053	570.485
BNGA07009	VF-F Sand	300.036	336.932	181.354	223.551	249.763	318.114	405.031	452.284	556.703
BNGA07011	VF-F Sand	302.215	338.01	184.245	226.015	251.992	319.562	405.372	451.933	554.49
BNGA07012	VF-F Sand	278.562	313.675	167.466	206.944	231.482	295.75	377.764	422.554	521.031
BNGA07014	VF-F Sand	261.716	294.964	157.216	194.181	217.295	277.792	355.387	397.76	491.528
BNGA07015	VF-F Sand	254.638	295.582	145.419	183.463	207.907	273.835	361.405	410.437	520.556
BNGA07017	VF-F Sand	297.901	366.488	156.8	205.2	237.486	328.392	456.374	531.392	709.347
BNGA07018	VF-F Sand	429.19	500.66	242.949	306.841	348.321	462.217	618.32	707.093	896.102
BNGA07020	VF-F Sand	413.132	486.284	230.541	293.483	334.338	446.84	602.049	691.048	883.99
BNGA07023	VF-F Sand	310.335	360.572	177.285	223.657	253.406	333.522	439.976	499.894	636.808
BNGA07024	VF-F Sand	324.187	394.283	173.303	225.106	259.441	355.265	489.274	567.714	753.842
BNGA07026	M-C Sand	532.188	611.104	296.447	383.008	438.997	587.997	770.386	857.534	1002.843
BNGA07027	M-C Sand	554.905	630.87	313.353	403.4	460.986	611.909	791.594	875.226	1011.564
BNGA07029	M-C Sand	566.522	639.204	325.752	413.698	470.615	620.614	798.945	881.404	1014.613
BNGA07030	M-C Sand	224.871	566.256	205.435	332.116	393.227	549.577	741.179	834.303	991.597
BNGA07032	M-C Sand	434.613	561.937	246.701	335.09	389.249	534.308	720.214	814.412	979.695
BNGA07033	M-C Sand	355.313	462.719	206.858	274.499	315.518	426.084	577.481	664.919	860.063
BNGA07035	M-C Sand	368.857	486.174	202.619	274.794	320.28	446.235	620.903	719.212	917.118
BNGA07036	M-C Sand	362.045	489.978	193.931	271.03	318.807	450.691	632.379	733.007	929.28
BNGA07038	M-C Sand	348.252	482.931	180.67	261.533	310.411	444.112	627	728.098	926.002
BNGA07039	M-C Sand	395.719	525.816	202.849	295.959	350.222	494.35	682.246	780.677	959.974
BNGA07041	M-C Sand	422.416	562.695	198.515	314.573	379.016	542.583	739.173	833.486	991.576
BNGA07042	M-C Sand	305.014	407.508	162.845	222.381	260.368	366.181	515.126	602.671	806.203
BNGA07044	M-C Sand	399.466	512.108	219.9	296.166	344.135	475.425	653.082	750.286	938.159
BNGA07045	M-C Sand	444.95	552.341	261.102	341.381	390.572	522.177	694.004	785.06	956.47
BNGA07047	M-C Sand	385.703	498.796	209.703	284.529	331.527	460.531	636.842	734.676	927.872
BNGA07048	M-C Sand	465.39	549.664	251.754	326.869	376.622	514.46	697.598	793.544	967.136
BNGA07050	M-C Sand	384.303	491.599	222.264	294.372	338.145	455.969	615.632	705.933	896.725
BNGA07051	M-C Sand	428.049	512.397	228.939	298.389	344.387	472.626	648.368	745.293	934.559
BNGA07053	M-C Sand	419.811	534.705	231.177	312.107	362.841	501.099	684.435	781.391	959.545
BNGA07054	M-C Sand	424.446	505.718	230.199	296.98	341.325	465.216	636.323	732.005	923.935
BNGA07056		365.62	442.872	195.981	253.89	292.366	400.345	552.503	641.627	844.024
BNGA07057	M-C Sand	257.893	299.717	146.038	185.577	210.87	278.702	367.726	416.925	525.344
BNGA07059	M-C Sand	283.429	363.935	141.01	190.173	223.506	319.603	459.52	543.446	745.36
BNGA07060	M-C Sand	305.061	433.055	140.272	211.177	257.162	387.036	570.285	674.787	890.603
BNGA07062	M-C Sand	495.563	577.526	271.772	352.124	404.602	547.476	730.849	823.213	984.274
BNGA07063	M-C Sand	403.61	499.67	203.012	276.133	324.411	459.155	643.26	743.804	936.333
BNGA07064	M-C Sand	467.65	550.07	254.993	329.23	378.526	514.89	696.055	791.319	965.042
BNGA07065		465.338	547.006	254.522	327.978	376.634	511.278	690.971	786.198	961.645
BNGA07102	Mud	6.995	26.534	2.177	3.677	5.138	11.683	24.798	33.576	59.497
BNGA07103	Mud	8.135	33.384	2.348	4.194	6.125	15.065	31.783	42.771	75.051
BNGA07105	Mud	9.043	34.266	2.472	4.599	6.972	18.229	38.621	53.04	111.778

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA07106	Mud	8.633	37.53	2.396	4.358	6.482	17.06	38.491	54.419	118.437
BNGA07108	Mud	8.225	30.732	2.356	4.14	5.974	15.511	38.101	55.067	109.211
BNGA07109	Mud	7.8	40.532	2.311	3.918	5.509	13.912	36.152	52.2	102.975
BNGA07111	Mud	7.916	26.292	2.307	3.993	5.7	14.659	36.049	50.517	88.37
BNGA07112	Mud	8.237	32.722	2.34	4.138	6.013	15.849	38.22	54.182	104.317
BNGA07114	VF-F Sand	347.072	454.38	172.138	244.003	289.297	413.346	583.75	680.665	885.862
BNGA07115	VF-F Sand	285.226	388.894	140.59	206.048	245.064	350.296	495.141	579.631	778.42
BNGA07117	VF-F Sand	307.285	369.055	165.333	215.598	248.286	337.605	458.031	526.091	681.149
BNGA07118	VF-F Sand	307.285	354.119	176.968	223.068	252.318	330.207	431.868	488.048	613.118
BNGA07120	VF-F Sand	324.374	393.458	173.027	225.834	260.547	356.499	488.557	564.879	743.922
BNGA07121	VF-F Sand	314.874	372.139	175.642	224.302	255.552	340.379	455.167	521.22	678.115
BNGA07123	VF-F Sand	276.193	320.921	156.648	198.888	225.884	298.276	393.444	446.199	563.204
BNGA07124	VF-F Sand	265.991	309.71	150.857	191.257	217.123	286.819	379.331	431.117	547.452
BNGA07126	VF-F Sand	293.893	362.304	153.364	202.495	234.964	325.592	451.934	525.475	699.04
BNGA07127	VF-F Sand	334.763	389.087	191.822	241.563	273.359	358.853	472.985	537.908	690.301
BNGA07129	VF-F Sand	273.797	323.891	150.241	193.615	221.932	299.139	401.953	458.901	582.952
BNGA07130	M-C Sand	405.667	525.262	208.798	296.783	350.025	492.579	679.062	777.211	957.37
BNGA07132	M-C Sand	513.098	597.87	277.55	365.943	422.688	573.756	759.442	848.689	998.589
BNGA07133		448.643	541.129	232.368	311.706	363.658	506.573	694.364	791.871	966.887
BNGA07135	M-C Sand	474.854	566.056	248.372	333.203	388.096	536.535	725.144	819.417	982.808
BNGA07136		524.101	605.662	287.989	375.619	432.099	582.348	766.163	854.154	1001.201
BNGA07137	M-C Sand	8.283	31.851	2.312	4.217	6.334	16.354	34.573	46.721	84.096
BNGA07138	M-C Sand	539.492	618.189	300.637	389.533	446.553	597.099	778.704	864.435	1006.262
BNGA07139		455.269	569.867	243.503	336.92	393.774	544.283	732.881	826.196	986.62
BNGA07141	M-C Sand	450.763	537.572	239.796	314.916	364.431	501.407	684.072	780.836	959.012
BNGA07142		455.884	537.613	248.685	321.287	369.081	500.98	678.158	773.529	953.083
BNGA07144		474.129	557.131	257.888	334.313	384.68	523.383	705.766	800.488	970.919
BNGA07145	M-C Sand	429.627	512.21	231.673	300.582	346.058	472.67	646.019	742.025	931.312
BNGA07147	M-C Sand	451.004	532.739	245.945	317.179	364.293	495.227	672.124	767.785	949.393
BNGA07148		453.298	535.052	247.192	318.96	366.421	497.974	675.092	770.623	951.142
BNGA07150	M-C Sand	465.362	581.13	266.152	355.017	409.91	556.096	740.209	831.52	988.913
BNGA07151		478.007	561.196	259.882	337.202	388.249	528.308	711.25	805.53	974.008
BNGA07153	M-C Sand	422.18	508.426	223.638	292.892	338.943	468.023	645.465	743.321	933.872
BNGA07154		320.32	371.829	183.877	231.025	261.324	343.176	452.613	514.649	657.82
BNGA07156	VF-F Sand	296.309	353.277	162.247	208.369	238.74	322.562	436.935	502.067	650.533
BNGA07157		360.92	435.937	194.134	251.402	289.221	394.741	542.341	628.511	826.66
BNGA07159	VF-F Sand	314.764	399.846	158.698	212.486	248.59	352.506	505.261	597.453	812.912
BNGA07160		474.895	566.755	247.631	333.025	388.269	537.509	726.719	821.02	983.858
BNGA07162		461.8	548.729	245.999	323.545	374.482	514.547	698.719	794.617	967.685
BNGA07163	M-C Sand	412.071	500.015	215.869	284.676	330.412	458.8	636.146	734.532	928.15
BNGA07165		350.753	459.384	181.751	254.319	298.83	419.831	585.843	680.592	883.323
BNGA07166	M-C Sand	327.238	446.056	155.369	236.894	283.32	406.836	575.343	671.721	878.616

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA07168		416.121	495.581	226.148	291.747	335.042	455.306	621.012	714.607	908.488
BNGA07169	M-C Sand	369.503	447.309	197.387	256.823	296.107	405.628	558.589	647.572	848.216
BNGA07171	M-C Sand	378.557	441.527	216.388	271.856	307.64	405.129	538.122	615.39	797.702
BNGA07172		382.095	459.916	205.855	266.488	306.553	418.353	574.26	664.48	864.318
BNGA07174		401.51	468.267	228.383	288.068	326.554	431.232	573.631	655.522	842.208
BNGA07175	M-C Sand	374.492	449.82	202.915	261.702	300.586	408.849	559.628	647.127	845.019
BNGA07177		354.028	465.689	192.69	263.261	306.947	426.421	591.127	685.264	886.258
BNGA07178	M-C Sand	451.494	571.857	241.743	338.538	396.267	547.772	736.238	829.027	988.094
BNGA07180		491.366	574.669	267.25	348.153	400.984	544.603	728.605	821.324	983.199
BNGA07181		421.858	504.529	226.873	294.342	339.065	464.079	636.336	732.42	924.521
BNGA07202	Mud	8.829	65.109	2.359	4.45	6.836	19.588	47.715	75.078	358.17
BNGA07203	Mud	7.761	36.349	2.206	4.257	6.493	17.439	38.548	53.779	117.46
BNGA07205	Mud	7.957	46.825	2.278	4.175	6.116	15.916	42.651	70.135	192.005
BNGA07206	Mud	7.176	40.413	2.17	3.707	5.174	12.429	40.219	77.259	187.055
BNGA07208	Mud	21.691	133.299	4.128	12.893	26.249	113.971	206.421	253.485	356.266
BNGA07209	VF-F Sand	207.588	286.121	106.635	150.737	178.453	255.468	363.8	427.073	574.788
BNGA07211	M-C Sand	284.445	381.076	152.674	210.312	245.92	343.41	479.201	558.905	748.164
BNGA07212	M-C Sand	278.639	372.827	143.377	202.762	239.045	337.307	471.482	548.885	730.129
BNGA07214	M-C Sand	242.589	326.619	129.743	178.785	209.585	294.481	412.096	480.152	638.388
BNGA07215	M-C Sand	342.149	472.379	156.28	249.556	301.383	436.464	615.665	714.769	913.826
BNGA07217	M-C Sand	332.949	435.404	194.836	260.391	298.927	401.251	539.772	620.244	808.642
BNGA07220	M-C Sand	444.769	563.604	247.154	335.46	389.985	535.898	722.11	816.12	980.636
BNGA07223	M-C Sand	345.315	454.687	183.23	252.587	295.837	414.497	578.412	672.418	875.73
BNGA07226	M-C Sand	388.106	503.652	211.33	288.459	336.343	466.87	643.376	740.585	931.154
BNGA07229	M-C Sand	520.958	597.717	293.541	374.398	427.392	570.58	751.056	840.131	993.14
BNGA07232	M-C Sand	526.501	605.161	293.761	378.438	433.337	580.498	762.587	850.603	999.138
BNGA07235	M-C Sand	422.904	508.204	224.728	294.363	340.315	468.451	643.817	740.611	930.548
BNGA07238	M-C Sand	512.013	595.94	278.036	365.44	421.581	571.188	755.956	845.392	996.622
BNGA07241	M-C Sand	401.996	526.447	205.308	293.317	347.517	493.888	684.508	783.428	961.948
BNGA07244	VF-F Sand	276.525	320.734	157.713	199.493	226.159	297.751	392.335	445.102	563.112
BNGA07247	VF-F Sand	288.871	331.359	167.806	210.264	237.309	309.504	403.715	455.626	570.029
BNGA07250	VF-F Sand	258.966	329.749	130.047	175.312	205.484	291.148	414.086	487.26	664.009
BNGA07253	VF-F Sand	283.501	346.572	149.594	196.001	226.783	312.904	432.356	501.084	659.578
BNGA07256	VF-F Sand	260.661	318.717	137.557	180.06	208.355	287.691	398.096	461.68	607.322
BNGA07259	M-C Sand	353.125	466.165	175.465	251.137	298.06	426.073	601.026	699.443	901.999
BNGA08102	Mud	10.666	20.893	3.766	6.471	8.479	14.811	25.53	33.084	57.209
BNGA08105	Mud	21.199	70.742	5.005	13.115	22.029	50.02	91.912	119.483	202.85
BNGA08108	Mud	15.428	52.526	4.03	8.783	13.516	30.96	61.524	82.358	146.414
BNGA08109	Mud	15.428	52.526	4.03	8.783	13.516	30.96	61.524	82.358	146.414
BNGA08111	VF-F Sand	263.471	321.189	138.943	182.712	211.512	291.38	401.139	463.787	606.53
BNGA08114	VF-F Sand	275.724	328.06	149.837	194.107	223.091	302.305	408.069	466.844	595.162
BNGA08117	VF-F Sand	454.268	540.749	242.373	317.696	367.348	504.808	688.003	784.671	961.573

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA08120	VF-F Sand	333.776	388.457	191.945	240.587	271.854	356.68	471.458	537.521	694.801
BNGA08123	M-C Sand	478.605	549.225	276.178	345.883	391.122	514.55	679.313	768.871	943.58
BNGA08126	M-C Sand	531.585	607.613	301.033	383.272	437.127	582.252	763.058	850.785	999.135
BNGA08130	M-C Sand	504.317	592.571	268.179	357.196	414.643	568.15	756.75	847.102	998.144
BNGA08132	M-C Sand	242.104	331.586	122.542	173.34	205.355	294.379	420.244	494.678	672.899
BNGA08134	M-C Sand	265.984	396.336	121.509	191.935	234.405	351.28	517.144	615.078	836.02
BNGA08138	M-C Sand	501.785	623.274	291.958	393.198	453.734	609.164	791.637	875.851	1012.143
BNGA08141	M-C Sand	171.069	586.535	81.639	339.35	413.328	585.737	779.271	867.291	1008.829
BNGA08143	M-C Sand	499.892	580.134	276.876	355.772	407.79	549.914	732.719	824.677	984.977
BNGA08146	VF-F Sand	344.775	430.161	176.407	234.705	273.755	384.861	543.974	637.583	847.618
BNGA08149	VF-F Sand	469.376	556.911	249.656	329.307	381.45	524.222	710.047	805.365	974.561
BNGA08152	VF-F Sand	317.206	373.911	178.087	226.158	257.224	341.953	457.181	523.434	679.86
BNGA08158	VF-F Sand	317.016	391.321	167.073	217.632	251.551	348.167	487.445	570.894	770.907
BNGA08166	M-C Sand	432.777	502.388	247.661	310.456	351.362	463.862	618.507	706.707	895.191
BNGA08172	M-C Sand	403.641	539.803	191.302	294.205	354.777	513.186	710.462	808.534	977.974
BNGA08175	M-C Sand	331.501	443.563	178.369	245.432	287.16	402.287	563.591	657.325	863.95
BNGA08302	VF-F Sand	194.479	270.971	95.105	145.595	173.763	247.907	346.847	402.632	527.495
BNGA08303	VF-F Sand	146.173	188.032	87.079	115.575	132.225	175.696	232.277	263.824	335.261
BNGA08305	VF-F Sand	118.298	202.879	52.66	99.187	122.034	181.299	262.459	310.265	425.218
BNGA08306	VF-F Sand	213.246	274.362	121.694	163.27	188.299	254.564	341.798	390.493	499.14
BNGA08308	VF-F Sand	275.002	336.603	143.112	190.511	221.446	306.533	421.931	487.126	634.281
BNGA08309	VF-F Sand	224.627	270.602	121.119	156.661	180.196	245.797	336.411	388.275	506.103
BNGA08311	VF-F Sand	375.865	489.872	186.51	266.836	316.82	452.165	633.69	733.028	927.453
BNGA08312	VF-F Sand	419.079	501.464	224.662	293.505	338.359	462.152	631.168	725.65	917.483
BNGA08314	VF-F Sand	378.154	441.698	215.627	271.148	307.032	404.936	538.787	616.677	800.208
BNGA08315	VF-F Sand	341.048	395.737	196.048	246.464	278.662	365.267	480.808	546.525	700.515
BNGA08317	VF-F Sand	375.774	442.199	211.149	267.965	304.661	404.835	541.956	621.606	808.159
BNGA08318	VF-F Sand	399.517	466.931	226.477	286.148	324.589	429.38	572.529	655.102	843.318
BNGA08320	VF-F Sand	264.45	307.031	150.271	190.629	216.359	285.324	376.071	426.441	538.187
BNGA08321	VF-F Sand	257.926	297.848	148.248	186.626	211.175	277.118	363.957	412.118	518.75
BNGA08323	VF-F Sand	256.638	297.075	146.906	185.342	209.934	276.018	363.233	411.741	519.625
BNGA08324	M-C Sand	282.223	369.695	136.375	187.366	222.113	323.07	470.917	559.651	771.244
BNGA08326	M-C Sand	462.339	545.738	250.409	325.687	375.001	510.713	690.631	785.727	961.082
BNGA08327	M-C Sand	413.926	495.225	222.924	288.967	332.743	454.609	622.702	717.411	911.646
BNGA08329	M-C Sand	450.992	534.534	243.548	316.771	364.845	497.794	676.145	772.022	952.327
BNGA08330	M-C Sand	394.238	474.461	211.503	274.695	316.502	433.018	594.886	687.625	886.277
BNGA08332	M-C Sand	348.226	420.25	187.7	242.978	279.455	380.713	521.422	603.374	794.74
BNGA08333		362.673	425.314	205.267	259.583	294.558	389.721	519.318	594.3	772.191
BNGA08335	M-C Sand	342.483	401.903	193.395	245.101	278.336	368.458	490.407	560.656	727.196
BNGA08336		332.453	444.346	158.759	232.647	278.37	402.87	574.16	671.918	880.2
BNGA08338	M-C Sand	420.459	505.869	223.017	293.061	338.932	466.278	640.418	736.847	927.517
BNGA08339		373.449	496.596	173.657	260.129	313.921	459.777	653.02	755.68	946.003

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA08341	M-C Sand	400.201	481.139	214.763	279.003	321.373	439.656	604.064	697.864	895.84
BNGA08342		388.108	468.383	206.754	270.577	312.319	427.756	587.012	678.187	876.476
BNGA08344		344.439	454.172	180.551	252.226	295.801	414.433	578.117	672.159	875.775
BNGA08345	VF-F Sand	216.316	252.033	123.366	155.485	176.158	232.222	307.656	350.509	449.095
BNGA08347	VF-F Sand	205.316	266.244	110.977	151.444	176.698	245.083	336.443	387.14	497.424
BNGA08348		234.724	280.1	126.755	164.809	189.71	258.011	349.391	400.066	509.887
BNGA08350	VF-F Sand	252.83	322.852	142.865	191.546	220.976	298.967	401.64	459.065	588.985
BNGA08351		262.909	340.834	128.213	176.067	208.257	300.108	431.525	509.402	696.541
BNGA08353	VF-F Sand	304.616	414.768	146.477	211.761	253.596	370.416	535.112	631.221	845.432
BNGA08354		365.198	479.799	183.522	260.996	309.071	440.368	619.444	718.971	917.505
BNGA08356	VF-F Sand	325.979	419.165	158.721	219.466	259.781	373.777	535.936	630.963	843.885
BNGA08357		392.741	515.773	187.313	276.029	331.479	481.745	677.543	778.799	960.309
BNGA08359	M-C Sand	410.437	507.177	206.156	281.551	331.014	468.231	653.486	753.422	942.382
BNGA08360		294.011	444.75	116.446	199.096	253.112	402.368	603.064	711.48	919.534
BNGA08362		408.839	493.302	216.758	284.379	328.824	452.45	623.066	719.087	914.371
BNGA08363	M-C Sand	345.972	486.844	145.884	240.291	298.397	452.005	650.324	754.454	946.115
BNGA08365		370.126	493.213	179.579	264.919	316.571	456.015	642.858	744.183	937.152
BNGA08366	M-C Sand	431.814	517.463	229.628	301.478	348.524	478.867	655.843	752.661	939.44
BNGA08368		369.321	482.594	192.919	269.971	316.988	444.325	617.718	714.826	912.251
BNGA08369	M-C Sand	373.227	460.727	191.715	256.301	298.869	417.88	584.132	679.517	883.408
BNGA08371	M-C Sand	324.4	397.993	170.078	224.3	259.953	358.976	496.518	576.59	764.592
BNGA08372		313.522	400.73	155.259	211.814	249.276	355.606	508.265	598.948	809.79
BNGA08374		263.42	362.547	132.733	185.531	219.772	317.37	460.424	547.444	758.682
BNGA08375	M-C Sand	458.37	540.685	249.146	323.347	371.836	505.042	682.518	777.419	955.268
BNGA08377		459.807	542.045	250.115	324.522	373.108	506.601	684.213	779.003	956.262
BNGA08378	M-C Sand	420.902	505.322	223.898	294.048	339.776	466.089	638.298	733.979	925.069
BNGA08380		371.21	495.178	188.128	276.996	327.291	460.356	637.852	735.479	927.891
BNGA08381	M-C Sand	343.843	452.757	174.855	248.219	292.907	413.621	578.281	672.207	875.089
BNGA08383		261.998	356.613	122.509	169.954	203.152	303.601	458.942	554.628	782.091
BNGA08384	VF-F Sand	169.852	233.724	83.391	111.444	130.79	188.79	283.54	349.428	548.827
BNGA08386		235.768	322.56	115.59	164.287	196.004	285.216	411.115	484.935	660.794
BNGA08387	VF-F Sand	316.784	421.331	161.366	230.281	271.605	382.75	534.843	622.945	824.568
BNGA08389		348.322	425.41	183.285	241.507	279.624	385.05	531.26	616.375	813.56
BNGA08390	VF-F Sand	383.23	468.233	200.467	264.575	306.895	425.501	591.538	686.757	888.816
BNGA08503	VF-F Sand	148.564	173.576	83.983	106.575	121.084	160.233	212.345	241.719	308.885
BNGA08506	VF-F Sand	242.637	279.646	139.784	175.765	198.777	260.48	341.483	386.33	485.351
BNGA08509	M-C Sand	320.19	402.816	162.748	217.603	254.164	358.12	507.596	596.499	804.783
BNGA08512	M-C Sand	282.451	371.317	136.649	186.618	220.976	322.298	473.668	565.354	782.966
BNGA08515	M-C Sand	379.682	505.293	171.758	269.486	326.264	473.248	661.93	761.622	947.689
BNGA08518	M-C Sand	329.499	399.09	176.497	229.591	264.522	361.341	495.164	572.802	755.257
BNGA08521	M-C Sand	387.089	482.158	194.111	263.733	309.937	439.696	619.442	719.659	918.964
BNGA08523	M-C Sand	191.43	274.28	104.192	144.745	170.233	241.956	345.953	408.767	561.966

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA08524	M-C Sand	340.989	420.537	176.881	234.979	273.125	379.29	527.407	613.749	813.206
BNGA08526	M-C Sand	420.486	539.344	214.523	306.113	361.587	509.179	698.697	795.992	969.421
BNGA08527	M-C Sand	246.067	301.284	129.857	170.042	196.687	271.268	375.627	436.273	576.87
BNGA08530	M-C Sand	303.727	348.929	175.621	220.834	249.582	326.132	425.621	480.288	600.386
BNGA08535	M-C Sand	417.511	501.432	222.333	291.966	337.232	462.129	632.633	727.623	919.372
BNGA08538	M-C Sand	273.668	336.784	144.715	188.611	217.894	300.479	417.932	487.563	654.965
BNGA08541	M-C Sand	225.757	262.955	127.879	162.305	184.342	243.607	322.16	366.11	464.677
BNGA08544	M-C Sand	280.884	404.362	132.002	191.923	231.775	350.37	531.678	639.671	868.682
BNGA08547	M-C Sand	443.869	571.524	238.32	340.449	398.395	548.692	735.56	828	987.293
BNGA08550	M-C Sand	351.51	466.758	169.661	251.192	299.403	428.175	602.425	700.47	902.66
BNGA08553	M-C Sand	312.411	420.642	157.146	228.511	270.183	381.971	535.267	624.218	827.319
BNGA08556	M-C Sand	326.714	431.446	172.552	237.631	278.395	390.524	546.844	637.878	843.279
BNGA08557		377.89	499.878	180.45	267.315	320.408	463.711	653.667	755.086	944.664
BNGA08802	VF-F Sand	186.23	239.627	110.646	147.652	169.116	224.87	297.006	336.793	424.613
BNGA08803	VF-F Sand	201.483	227.491	120.932	149.359	167.085	213.67	273.712	306.877	381.266
BNGA08805	VF-F Sand	207.196	273.47	102.368	137.382	161.342	232.368	342.516	412.191	588.151
BNGA08806	VF-F Sand	194.737	240.625	103.077	134.105	154.77	213.223	297.323	348.128	474.133
BNGA08808	VF-F Sand	232.171	286.814	121.389	159.203	184.585	256.628	358.823	418.487	556.949
BNGA08809	VF-F Sand	191.376	252.177	106.286	142.887	165.62	227.688	313.998	364.752	486.195
BNGA08811	VF-F Sand	365.245	425.701	209.046	262.758	297.293	390.962	517.976	591.379	765.589
BNGA08812	VF-F Sand	392.016	457.932	222.614	280.942	318.579	421.049	560.569	640.941	826.282
BNGA08814	VF-F Sand	344.943	411.75	188.611	242.629	278.05	375.44	508.461	584.913	762.857
BNGA08815	VF-F Sand	380.425	464.795	198.05	263.107	305.753	423.864	586.482	679.122	878.739
BNGA08817	VF-F Sand	407.426	494.02	213.911	282.109	327.149	452.904	626.5	723.67	918.83
BNGA08818	VF-F Sand	326.006	417.527	160.167	219.506	259.134	371.73	532.858	627.497	840.581
BNGA08820	VF-F Sand	476.094	562.207	254.893	335.961	388.461	530.82	714.665	808.679	975.833
BNGA08823	VF-F Sand	470.832	542.302	269.925	339.539	384.538	507.182	671.281	761.062	937.812
BNGA08826	VF-F Sand	336.599	442.343	174.431	246.551	289.48	404.442	560.767	650.741	851.858
BNGA08829	M-C Sand	427.279	508.148	232.02	299.687	344.309	468.339	638.695	733.852	924.719
BNGA08832	VF-F Sand	439.223	500.491	260.44	322.183	361.217	465.816	606.258	686.46	865.829
BNGA08835	VF-F Sand	396.001	474.753	214.015	276.556	317.972	433.401	593.844	685.933	884.192
BNGA08838	M-C Sand	478.251	570	249.508	336.146	391.907	541.797	730.362	823.85	985.109
BNGA08841	M-C Sand	555.335	629.551	316.951	404.05	460.367	609.251	788.298	872.241	1010.032
BNGA08844	M-C Sand	569.167	642.173	326.418	416.206	473.891	624.8	802.617	884.389	1016.011
BNGA08847	VF-F Sand	412.628	497.261	218.68	287.257	332.25	457.123	628.403	724.148	917.565
BNGA08850	VF-F Sand	379.673	456.843	204.469	265.017	304.901	415.895	569.974	658.881	857.296
BNGA08853	VF-F Sand	346.591	420.007	185.308	241.35	278.187	380.393	522.194	604.725	797.102
BNGA09103	VF-F Sand	136.508	185.794	71.986	98.794	115.753	162.721	229.56	270.152	375.734
BNGA09109	M-C Sand	249.066	314.218	123.761	170.226	200.49	283.885	397.71	462.5	609.715
BNGA09118	VF-F Sand	234.043	298.31	118.691	157.987	184.532	260.992	373.167	441.119	607.689
BNGA09124	VF-F Sand	114.857	178.747	59.806	85.281	100.916	145.038	212.036	256.887	408.714
BNGA09127	VF-F Sand	150.882	210.087	84.995	114.07	132.098	182.031	254.948	301.159	431.971

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA09134	M-C Sand	289.985	380.057	139.4	192.776	228.922	333.445	485.571	576.209	788.823
BNGA09140	M-C Sand	460.603	580.996	246.136	345.308	404.508	559.118	748.386	839.932	994.232
BNGA09152	M-C Sand	391.852	531.217	179.281	288.207	348.544	504.173	699.356	797.988	971.447
BNGA09155	M-C Sand	372.4	451.977	198.144	258.215	297.967	409.426	566	657.07	859.612
BNGA09158	M-C Sand	366.895	505.052	187.643	275.042	327.205	469.275	659.741	761.343	949.266
BNGA09161	M-C Sand	294.558	406.52	151.098	213.699	252.983	362.591	519.231	612.116	825.553
BNGA09164	M-C Sand	247.667	490.229	143.909	250.455	307.503	457.241	653.253	756.908	947.695
BNGA09167	M-C Sand	397.69	526.386	199.3	296.55	351.502	495.868	682.975	780.944	959.786
BNGA09173	M-C Sand	247.689	290.899	139.212	176.979	201.276	267.241	356.363	407.156	524.315
BNGA09176	M-C Sand	327.954	471.085	136.795	221.532	277.292	431.679	635.685	742.909	940.199
BNGA09402	Mud	7.403	19.771	2.393	3.973	5.403	11.251	24.576	35.02	66.665
BNGA09403	Mud	8.57	34.115	2.669	4.619	6.393	13.556	28.895	40.811	87.985
BNGA09405	Mud	8.118	42.802	2.511	4.301	5.955	12.876	28.873	42.224	117.001
BNGA09406	Mud	8.162	45.367	2.528	4.243	5.831	13.003	32.261	49.228	129.09
BNGA09408	Mud	11.485	41.088	3.202	6.209	9.152	21.402	45.318	62.022	114.659
BNGA09409	Mud	11.597	25.716	3.528	6.865	9.629	18.666	33.834	44.032	72.427
BNGA09411	Mud	9.834	69.126	2.514	5.04	8.035	21.423	46.635	68.341	427.703
BNGA09412	Mud	8.544	49.108	2.34	4.421	6.709	17.915	40.083	56.95	174.809
BNGA09414	Mud	7.274	30.272	2.332	3.903	5.305	11.069	25.12	37.261	82.601
BNGA09415	Mud	6.465	28.98	2.321	3.593	4.661	8.66	17.408	25.134	61.742
BNGA09417	Mud	11.529	57.643	3.065	5.698	8.418	24.941	80.051	122.94	221.366
BNGA09418	VF-F Sand	12.577	76.296	3.06	6.1	9.579	35.196	106.48	158.277	289.119
BNGA09420	VF-F Sand	258.567	345.537	154.821	212.104	243.649	324.744	429.096	486.797	616.085
BNGA09423	VF-F Sand	183.819	258.641	97.712	137.665	162.3	230.801	328.11	385.564	520.591
BNGA09426	VF-F Sand	217.591	302.121	116.766	165.976	195.361	274.82	383.164	445.096	586.322
BNGA09429	VF-F Sand	353.968	421.373	195.192	249.439	285.143	383.831	519.678	598.115	780.984
BNGA09432	VF-F Sand	243.074	325.88	138.006	184.962	213.855	293.002	404.237	470.438	632.719
BNGA09435	VF-F Sand	457.664	543.775	244.454	320.887	370.989	508.77	691.107	787.024	962.525
BNGA09438	VF-F Sand	296.572	408.855	153.096	212.832	251.573	362.263	523.663	619.797	837.09
BNGA09441	M-C Sand	368.736	460.924	186.988	249.587	292.08	414.607	590.323	690.792	898.096
BNGA09444	M-C Sand	365.746	519.137	161.522	280.017	339.251	491.122	684.562	784.301	963.187
BNGA09447	M-C Sand	240.727	274.528	141.084	176.059	198.305	257.456	333.96	375.748	466.446
BNGA09450	M-C Sand	244.73	280.668	141.879	178.066	201.132	262.604	342.438	386.137	481.32
BNGA09453	M-C Sand	346.806	425.905	182.531	238.732	276.22	382.284	533.405	622.494	827.062
BNGA09456	M-C Sand	253.437	499.953	72.408	215.052	308.073	486.444	690.207	791.481	968.62
BNGA09702	Mud	9.007	41.66	2.814	4.893	6.711	13.705	30.599	49.551	194.093
BNGA09703		158.608	209.769	94.61	127.072	145.95	195.391	260.269	296.649	379.087
BNGA09705		190.531	230.539	101.938	132.371	152.652	209.271	287.462	332.112	432.859
BNGA09706		160.803	180.445	97.449	119.919	133.901	170.296	216.619	241.907	298.036
BNGA09708		229.866	269.977	129.623	164.284	186.632	247.497	330.17	377.562	487.929
BNGA09709		232.378	261.066	140.731	173.074	193.181	245.935	313.614	350.694	433.192
BNGA09711		350.909	435.484	180.434	239.859	279.463	391.34	549.98	642.639	850.013

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA09712		362.352	448.355	186.667	247.905	288.79	404.273	567.421	662.089	868.778
BNGA09714		356.668	405.59	213.217	263.111	294.448	377.297	486.36	548.354	694.95
BNGA09715		368.951	432.77	208.666	264.046	299.663	396.511	528.599	605.324	786.918
BNGA09717		425.369	515.105	221.434	294.928	343.132	476.578	657.031	755.089	942.205
BNGA09718		312.908	385.784	164.676	214.855	248.579	344.243	480.793	561.771	755.063
BNGA09720		343.619	425.827	178.798	234.669	272.353	380.253	535.992	628.137	837.777
BNGA09721		429.105	513.838	229.259	298.852	345.064	474.17	650.896	747.919	936.349
BNGA09723		448.481	521.528	253.765	320.666	364.26	484.105	646.941	737.635	921.454
BNGA09724		454.12	539.941	242.889	318.123	367.537	503.976	685.952	782.38	959.873
BNGA09726		422.325	505.019	227.665	294.484	338.977	463.96	637.19	733.97	926.478
BNGA09727		410.671	496.003	217.232	285.107	329.925	455.015	627.718	724.507	919.264
BNGA09729	M-C Sand	354.232	406.125	209.262	259.502	291.105	375.49	488.202	553.085	709.28
BNGA09730		361.772	425.098	203.977	258.577	293.706	389.269	519.538	594.972	774.097
BNGA09732		253.864	298.838	141.116	180.924	206.534	275.749	367.993	419.72	536.053
BNGA09734		237.338	275.463	134.902	170.998	194.096	256.089	337.628	382.802	482.736
BNGA09735		367.94	479.928	170.975	244.251	294.203	437.038	632.841	738.136	935.774
BNGA09737		397.281	482.263	209.393	274.695	318.117	439.971	609.818	706.222	905.394
BNGA09738		366.484	431.95	205.516	261.22	297.132	395.062	529.016	606.9	791.135
BNGA09739		251.064	296.707	141.124	178.646	203.001	269.889	362.192	416.093	545.012
BNGA09741		355.517	414.196	202.944	256.015	289.965	381.465	504.211	574.472	740.001
BNGA09742		422.216	484.636	247.753	307.725	345.798	448.59	588.218	668.824	852.049
BNGA09744		392.615	459.86	222.407	280.663	318.373	421.605	563.598	646.123	836.162
BNGA09745		424.719	513.811	222.169	293.914	341.491	474.4	655.427	753.896	941.677
BNGA09747		362.224	445.179	188.085	249.489	290.012	403	560.525	651.757	854.971
BNGA09748		454.973	541.096	243.077	318.223	367.897	505.367	688.147	784.473	961.064
BNGA09750		345.71	465.08	161.56	241.808	291.39	425.466	606.438	706.968	909.596
BNGA09751		356.154	422.8	197.594	252.439	287.879	385.033	519.03	597.37	783.832
BNGA09753	M-C Sand	6.872	42.557	2.356	3.7	4.865	9.511	21.368	33.332	190.697
BNGA09754	Mud	388.288	471.932	203.924	269.506	312.354	430.887	594.443	687.89	887.463
BNGA09756		439.656	529.858	229.328	306.094	356.116	493.593	676.612	774.053	954.833
BNGA09757		507.198	588.24	279.629	361.54	415.143	560.363	743.811	834.535	990.458
BNGA09759		421.584	502.722	227.895	295.068	339.453	462.851	632.132	726.771	918.589
BNGA09761		459.81	545.792	245.898	322.575	372.849	511.062	693.614	789.457	964.129
BNGA09763	M-C Sand	493.148	575.118	270.35	349.985	402.163	544.615	727.866	820.491	982.629
BNGA10002	VF-F Sand	138.158	155.635	83.012	102.643	114.863	146.722	187.3	209.463	258.626
BNGA10003	VF-F Sand	112.327	144.244	65.506	87.489	100.519	134.679	179.029	203.576	258.38
BNGA10004	VF-F Sand	17.059	44.51	4.443	10.284	15.905	34.331	61.889	78.67	120.973
BNGA10005	VF-F Sand	159.961	186.649	90.639	114.906	130.448	172.303	228.045	259.547	332.039
BNGA10006	M-C Sand	294.394	347.759	160.764	208.921	239.925	323.162	431.859	491.274	619.396
BNGA10008	M-C Sand	229.183	269.301	127.476	163.382	186.515	249.062	332.14	378.344	480.847
BNGA10009	M-C Sand	234.536	290.053	122.432	161.069	186.81	259.396	362.132	422.444	564.18
BNGA10011	M-C Sand	200.162	230.794	115.638	145.056	163.889	214.475	281.211	318.441	402.162

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA10012	M-C Sand	336.732	459.53	146.147	220.252	271.571	416.692	612.571	718.674	922.846
BNGA10014	M-C Sand	259.63	311.437	139.851	181.774	209.26	285.037	387.812	445.833	574.814
BNGA10015	M-C Sand	293.52	364.636	152.892	201.218	233.393	324.378	454.324	531.757	718.854
BNGA10017	M-C Sand	339.121	410.384	180.771	237.548	274.08	373.745	509.55	587.75	769.93
BNGA10018	M-C Sand	265.667	320.7	142.026	184.959	213.374	292.161	399.806	460.804	597.781
BNGA10020	M-C Sand	346.282	406.466	195.402	247.901	281.56	372.676	495.911	566.941	736.239
BNGA10023	M-C Sand	290.546	359.429	149.76	199.965	232.977	324.45	450.188	522.45	690.145
BNGA10026	M-C Sand	275.242	322.455	153.98	196.994	224.482	298.49	396.41	451.01	573.416
BNGA10029	M-C Sand	373.169	447.726	201.214	262.22	301.671	409.445	556.519	640.832	832.129
BNGA10032	M-C Sand	388.342	522.6	167.413	287.802	347.002	495.386	683.063	780.807	959.395
BNGA10035	M-C Sand	310.579	362.816	175.29	223.012	253.466	335.354	444.009	505.105	644.436
BNGA10038	M-C Sand	313.502	368.462	175.319	224.119	255.308	339.398	451.528	514.986	661.128
BNGA10041	M-C Sand	292.315	386.479	144.329	208.353	246.802	349.644	489.676	570.836	761.474
BNGA10044	M-C Sand	413.587	491.087	226.271	290.933	333.485	451.182	613.058	704.968	898.864
BNGA10047	M-C Sand	445.908	570.26	239.26	340.563	398.006	547.055	732.731	825.035	985.244
BNGA10050	M-C Sand	527.163	606.471	293.048	379.156	434.645	582.604	764.571	852.238	999.9
BNGA10053	M-C Sand	547.41	622.476	310.929	397.611	453.315	600.882	780.023	865.021	1006.294
BNGA10056	M-C Sand	396.732	514.241	211.367	296.028	346.238	480.461	658.486	755.002	940.496
BNGA10059	M-C Sand	433.799	551.048	237.716	324.474	377.84	521.175	706.582	801.953	972.24
BNGA10063	M-C Sand	377.353	492.374	191.639	274.873	324.192	456.04	632.898	730.437	924.152
BNGA10066	M-C Sand	417.228	532.701	217.328	305.437	358.653	500.873	686.302	783.408	960.808
BNGA10302	Mud	15.267	101.856	3.47	7.613	12.581	51.419	141.629	197.159	359.755
BNGA10305	Mud	52.309	211.926	10.267	74.54	112.39	190.812	291.7	349.497	483.085
BNGA10306	VF-F Sand	192.769	260.44	101.456	140.029	164.757	233.493	329.654	385.628	515.866
BNGA10308	VF-F Sand	284.043	339.857	153.707	199.403	229.318	311.39	422.177	484.515	624.148
BNGA10314	VF-F Sand	268.153	318.21	146.461	189.116	217.044	293.348	395.313	451.892	575.729
BNGA10320	M-C Sand	367.755	442.604	198.762	256.973	295.272	401.688	550.062	636.635	834.849
BNGA10321	VF-F Sand	175.023	212.703	96.005	122.745	140.2	188.75	257.937	300.147	410.424
BNGA10326	VF-F Sand	214.738	275.812	122.48	163.221	188.097	254.514	343.042	393.027	506.391
BNGA10327	VF-F Sand	191.91	227.399	106.438	136.077	155.301	207.862	279.388	320.475	415.854
BNGA10329	VF-F Sand	268.606	329.366	140.155	185.49	215.398	298.46	412.524	477.598	625.656
BNGA10330	M-C Sand	401.704	492.941	206.348	276.007	322.146	451.446	629.917	728.933	924.659
BNGA10338	M-C Sand	458.266	543.946	245.681	321.206	370.973	508.425	691.185	787.466	963.231
BNGA10344	M-C Sand	463.423	535.071	264.743	333.674	378.213	499.557	662.213	751.727	930.685
BNGA10350	M-C Sand	517.96	588.634	300.2	377.183	426.693	559.801	730.119	817.48	976.381
BNGA10356	M-C Sand	406.774	490.054	216.584	282.898	326.774	449.066	618.002	713.201	909.095
BNGA10363	M-C Sand	431.786	517.964	229.182	300.927	348.122	479.198	657.288	754.561	941.265
BNGA10369	M-C Sand	359.855	478.287	176.122	256.293	305.238	438.626	620.73	721.755	921.264
BNGA10375	M-C Sand	449.543	569.845	238.577	335.955	393.746	545.51	734.538	827.698	987.475
BNGA10381	M-C Sand	428.589	550.168	218.617	315.483	372.544	522.792	712.851	808.766	976.969
BNGA10382	M-C Sand	308.931	434.641	132.661	194.712	240.831	383.815	587.65	698.445	912.052
BNGA10387	M-C Sand	430.642	552.704	215.076	314.468	372.997	526.374	718.492	814.336	980.44

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA10388	M-C Sand	411.689	528.865	211.51	296.495	349.819	495.063	686.104	785.413	963.811
BNGA10391	M-C Sand	416.438	500.632	222.21	289.667	334.405	459.518	632.785	729.712	923.629
BNGA10603	Mud	23.381	107.183	5.093	14.734	27.329	65.216	119.55	158.916	385.737
BNGA10605	VF-F Sand	98.851	136.372	50.829	73.622	87.285	124.049	173.664	201.81	265.764
BNGA10606	Mud	12.59	47.202	3.585	7.269	10.496	21.719	42.523	58.317	127.547
BNGA10608	Mud	16.455	44.848	4.255	9.696	15.064	33.943	62.849	80.306	123.769
BNGA10609	Mud	14.298	39.124	3.956	8.215	12.099	26.428	52.23	69.438	116.561
BNGA10611	Mud	18.113	64.287	4.477	10.675	17.059	39.904	77.648	103.233	184.897
BNGA10612	Mud	13.221	48.268	3.777	7.353	10.469	22.942	53.762	79.165	162.539
BNGA10614	M-C Sand	125.872	176.195	65.567	84.551	97.409	134.825	194.247	237.88	458.785
BNGA10615	M-C Sand	336.095	387.053	194.184	244.127	275.861	360.432	471.025	532.474	670.954
BNGA10618	VF-F Sand	184.218	231.819	93.964	124.989	145.873	205.462	290.981	341.609	461.552
BNGA10620	VF-F Sand	236.377	305.485	124.901	173.42	203.045	282.14	386.317	443.877	569.236
BNGA10623	VF-F Sand	247.32	367.551	113.652	173.888	212.274	320.961	478.051	572.032	792.684
BNGA10626	M-C Sand	258.074	296.03	149.558	187.708	212.052	276.967	361.425	407.646	508.158
BNGA10629	M-C Sand	484.63	565.667	266.535	343.743	394.486	533.431	714.324	807.463	974.486
BNGA10632	M-C Sand	412.061	490.309	224.895	289.179	331.637	449.73	613.007	705.831	900.79
BNGA10635	VF-F Sand	386.027	452.965	217.929	275.742	313.077	415.084	555.07	636.466	825.193
BNGA10638	VF-F Sand	265.404	367.673	120.279	187.329	226.546	330.632	471.881	553.664	746.245
BNGA10641	M-C Sand	441.366	528.244	233.996	307.742	356.289	490.824	671.801	768.937	951.22
BNGA10644	VF-F Sand	373.207	443.965	205.295	263.195	301.101	405.416	548.717	631.447	821.535
BNGA10647	VF-F Sand	366.958	435.494	202.55	259.453	296.525	398.301	537.133	616.977	801.4
BNGA10650	VF-F Sand	409.908	521.498	240.061	319.879	366.551	489.837	653.375	743.644	925.624
BNGA10653	VF-F Sand	357.82	427.281	195.61	251.766	288.489	389.557	528.071	607.997	793.873
BNGA10656	VF-F Sand	267.07	342.777	142.255	201.413	234.864	321.141	431.469	491.47	620.77
BNGA10659	VF-F Sand	306.623	356.846	173.058	219.713	250.009	331.898	439.453	498.473	626.227
BNGA10663	VF-F Sand	331.879	404.605	175.591	230.342	266.276	365.777	503.624	583.772	771.999
BNGA10666	VF-F Sand	333.777	387.186	191.635	241.073	272.708	357.778	471.112	535.229	683.653
BNGA10669	VF-F Sand	331.952	404.388	177.237	230.236	265.368	363.745	502.376	584.025	777.346
BNGA10672	VF-F Sand	275.884	365.94	145.572	205.978	241.117	334.515	460.225	532.165	699.179
BNGA10675	VF-F Sand	300.181	352.814	167.088	213.425	243.624	325.93	435.619	496.587	630.933
BNGA10678	VF-F Sand	295.619	338.588	172.051	215.482	243.103	316.674	412.421	465.028	580.437
BNGA10681	VF-F Sand	308.969	426.076	146.665	226.879	270.791	387.122	546.786	639.354	846.613
BNGA10684	M-C Sand	345.323	513.507	115.152	250.036	325.08	493.133	692.472	792.467	968.495
BNGA10687	M-C Sand	295.634	416.273	140.556	211.837	255.03	373.643	539.086	635.183	848.276
BNGA10690	M-C Sand	358.124	497.458	162.058	272.67	326.624	465.513	647.807	746.523	936.523
BNGA10693	M-C Sand	402.358	522.364	218.948	302.605	352.975	488.755	669.269	766.15	949.063
BNGA10902	VF-F Sand	176.275	199.322	105.72	130.557	146.053	186.834	239.632	268.997	335.605
BNGA10903	Mud	10.753	37.559	2.82	5.372	8.2	24.772	55.507	72.904	114.516
BNGA10905	Mud	13.924	56.848	3.265	7.166	11.97	39.777	84.572	109.685	169.663
BNGA10906	M-C Sand	186.895	474.249	81.389	173.177	250.025	450.128	675.257	783.174	966.769
BNGA10908	Mud	14.578	55.578	3.475	7.799	12.859	37.92	79.691	104.767	168.558

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA10909	Mud	14.518	47.376	3.588	8.077	12.98	33.32	67.16	87.819	139.818
BNGA10911	Mud	12.984	70.172	3.188	6.611	10.479	32.601	80.481	111.628	212.434
BNGA10912	Mud	14.747	47.436	3.752	8.452	13.303	30.74	60.146	80.475	144.64
BNGA10914	Mud	12.158	47.118	3.2	6.534	10.009	25.01	53.075	71.507	125.057
BNGA10915	Mud	11.104	36.412	3.141	6.167	9.018	19.866	39.939	53.77	95.855
BNGA10917	M-C Sand	247.449	286.124	141.734	178.751	202.468	266.167	350.041	396.549	499.237
BNGA10918	M-C Sand	245.259	283.837	140.389	177.019	200.503	263.73	347.249	393.676	496.625
BNGA10920	M-C Sand	201.843	229.088	119.876	148.935	167.038	214.711	276.367	310.49	387.371
BNGA11002	Mud	9.111	25.773	2.689	4.831	6.89	15.775	34.699	47.885	82.901
BNGA11003	Mud	7.165	28.585	2.419	3.916	5.194	10.139	21.882	33.419	91.04
BNGA11005	Mud	5.898	28.56	2.179	3.333	4.279	7.709	14.819	20.872	58.008
BNGA11006	Mud	11.068	52.415	2.918	5.555	8.362	23.501	66.134	97.558	187.507
BNGA11008	M-C Sand	50.952	464.62	8.184	129.199	250.348	454.635	678.37	785.881	968.404
BNGA11009	Mud	9.042	31.874	2.629	4.694	6.694	15.815	39.817	59.678	117.093
BNGA11011	Mud	10.998	45.537	2.648	5.467	9.047	32.244	69.146	89.142	134.828
BNGA11012	Mud	16.201	53.746	3.612	9.141	17.382	45.469	78.32	96.493	138.393
BNGA11014	Mud	8.536	37.859	2.388	4.338	6.387	16.879	40.12	56.94	110.981
BNGA11015	Mud	9.658	35.413	2.62	4.907	7.37	19.678	46.639	66.546	123.447
BNGA11017	Mud	7.722	25.108	2.297	3.964	5.601	13.486	32.693	46.99	87.571
BNGA11018	Mud	6.52	23.153	2.083	3.523	4.862	10.745	24.36	34.926	73.068
BNGA11020	Mud	6.688	36.952	2.146	3.535	4.836	10.612	23.708	33.46	70.119
BNGA11021	Mud	6.524	36.646	2.232	3.589	4.766	9.265	18.57	25.997	64.487
BNGA11023	Mud	6.11	33.545	2.148	3.413	4.484	8.395	16.312	22.967	67.556
BNGA11024	VF-F Sand	245.628	306.869	132.326	169.373	193.946	264.381	371.54	441.53	636.571
BNGA11026	VF-F Sand	10.769	46.79	2.919	5.761	8.621	20.633	45.211	63.36	128.64
BNGA11027	VF-F Sand	300.64	350.604	169.415	214.831	244.526	325.306	432.196	491.092	618.856
BNGA11029	VF-F Sand	3.024	21.35	0.815	1.466	2.168	5.817	17.857	30.916	91.553
BNGA11030	VF-F Sand	223.124	311.819	113.643	169.956	201.774	285.747	397.679	460.759	602.484
BNGA11032	VF-F Sand	210.52	279.1	125.612	169.901	195.487	261.988	347.811	394.887	497.682
BNGA11034		188.618	274.293	99.353	138.941	164.666	238.886	348.803	415.29	575.641
BNGA11035	VF-F Sand	254.673	323.94	150.046	197.273	225.854	301.529	400.884	456.234	580.065
BNGA11037		166.038	425.118	166.938	241.226	281.996	390.098	538.175	624.774	825.067
BNGA11038	VF-F Sand	379.26	492.142	210.88	284.143	329.704	454.288	624.677	720.341	914.808
BNGA11039	M-C Sand	409.852	529.069	215.637	299.295	351.936	495.385	684.16	782.744	961.364
BNGA11041	M-C Sand	405.769	539.265	225.913	312.91	365.846	508.398	694.493	791.364	966.127
BNGA11042	M-C Sand	330.836	448.752	165.191	235.151	279.993	405.307	580.78	680.904	889.911
BNGA11044	M-C Sand	231.59	445.859	108.199	207.122	263.017	407.773	599.826	705.393	913.125
BNGA11045	M-C Sand	149.865	463.714	110.801	222.777	277.519	426.333	628.206	736.344	936.834
BNGA11047	M-C Sand	267.292	538.441	158.621	303.374	364.083	516.875	707.6	804.132	974.343
BNGA11048	M-C Sand	413.258	549.585	212.792	315.219	373.009	523.674	713.602	809.412	977.35
BNGA11050	M-C Sand	269.837	516.233	118.261	270.052	335.025	493.367	689.126	788.75	965.961
BNGA11051	M-C Sand	117.599	485.372	40.796	232.895	300.892	462.449	664.836	769.123	956.145

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA11053	M-C Sand	351.946	483.033	176.198	262.366	312.353	446.209	626.346	725.809	922.534
BNGA11054	M-C Sand	259.675	484.357	153.294	258.537	311.443	450.385	635.901	737.19	932.44
BNGA11056	M-C Sand	292.507	536.835	148.916	293.1	356.988	515.704	710.895	808.302	977.5
BNGA11057	M-C Sand	350.881	485.599	180.575	265.149	314.668	448.359	629.45	729.348	925.753
BNGA11059	M-C Sand	456.229	575.504	230.923	333.043	394.397	553.882	746.913	839.476	994.416
BNGA11061		460.564	576.172	235.242	332.743	393.441	553.5	747.855	840.667	995.266
BNGA11063	M-C Sand	497.903	584.305	267.126	352.804	408.233	557.266	744.091	835.729	991.721
BNGA11064		450.787	558.037	234.707	324.535	380.322	529.457	718.942	814.169	980.056
BNGA11202	Mud	10.018	133.116	2.579	4.827	7.269	22.385	84.737	273.308	774.88
BNGA11203	M-C Sand	114.78	281.078	72.348	108.467	132.441	209.03	358.288	474.457	766.087
BNGA11205	M-C Sand	343.316	510.461	122.172	219.623	299.6	490.934	703.632	805.256	977.543
BNGA11209	Mud	10.823	99.31	2.712	5.269	8.138	26.142	82.374	128.009	626.12
BNGA11211	M-C Sand	87.519	577.417	21.483	302.757	403.62	593.681	790.238	876.978	1013.665
BNGA11212	Mud	19.938	102.029	3.916	11.47	24.411	85.399	152.392	189.269	274.347
BNGA11214	M-C Sand	270.862	413.499	111.632	162.04	201.689	346.824	583.049	705.692	924.736
BNGA11218	Mud	8.904	37.464	2.423	4.434	6.606	18.512	46.993	69.003	140.528
BNGA11221	Mud	6.843	37.395	2.197	3.58	4.83	10.133	28.14	56.844	190.889
BNGA11227	Mud	10.137	46.113	2.735	5.131	7.617	20.035	55.428	83.147	173.43
BNGA11228		131.777	206.926	57.746	93.417	115.27	176.769	267.189	322.778	461.953
BNGA11230	VF-F Sand	282.578	339.476	151.336	198.13	228.507	311.281	422.464	484.913	624.798
BNGA11241	VF-F Sand	427.386	513.473	226.74	297.598	344.261	474.005	651.322	748.714	937.418
BNGA11250	M-C Sand	401.669	531.874	192.752	296.32	353.835	503.368	693.792	791.698	966.848
BNGA11256	M-C Sand	449.26	562.811	248.776	335.619	389.433	534.132	720.225	814.594	979.961
BNGA11402	Mud	7.669	39.077	2.505	4.149	5.581	11.133	24.536	38.856	152.36
BNGA11403	Mud	6.563	35.571	2.246	3.565	4.705	9.127	19.421	29.751	170.935
BNGA11405	Mud	11.156	89.081	2.702	5.234	8.154	33.853	125.269	179.228	331.787
BNGA11406	VF-F Sand	84.809	255.566	62.014	118.194	143.556	214.51	324.247	396.466	594.763
BNGA11408	Mud	9.46	24.049	2.966	5.306	7.334	14.779	29.361	40.342	77.2
BNGA11409	Mud	23.623	112.601	4.667	14.729	34.422	91.007	151.753	187.088	282.131
BNGA11411	Mud	4.844	63.348	1.658	2.606	3.397	6.969	39.144	113.936	351.996
BNGA11412	M-C Sand	293.547	399.846	134.123	191.488	230.85	347.291	521.802	625.874	853.557
BNGA11414	M-C Sand	96.721	289.303	65.001	106.41	129.939	202.102	362.108	522.369	841.992
BNGA11415	Mud	14.574	67.4	3.428	7.719	13.164	37.251	79.515	113.662	251.428
BNGA11417	Mud	15.803	105.757	3.525	8.012	13.732	53.002	136.853	190.859	379.135
BNGA11418	M-C Sand	109.651	439.425	36.459	142.743	212.398	406.339	640.594	754.519	951.634
BNGA11420	Mud	332.17	447.622	149.666	216.416	263.093	400.222	593.527	700.403	910.468
BNGA11421	Mud	8.203	38.834	2.426	4.271	6.059	14.127	32.803	48.17	133.049
BNGA11423	Mud	7.699	39.948	2.294	3.954	5.54	13.077	35.161	54.308	129.986
BNGA11424	Mud	12.686	53.799	3.07	6.495	10.482	33.316	78.983	106.159	171.924
BNGA11427	Mud	11.789	50.305	2.966	6.083	9.556	27.876	63.675	85.887	147.175
BNGA11429	Mud	10.934	43.767	2.871	5.942	9.23	23.413	50.657	71.329	148.991
BNGA11430	Mud	7.288	28.87	2.476	4.073	5.43	10.368	20.121	27.75	59.337

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA11432	Mud	6.437	37.242	2.073	3.407	4.626	10.02	25.764	41.831	128.508
BNGA11434	Mud	13.827	62.51	3.164	7.064	12.222	40.946	86.24	113.004	183.617
BNGA11435	VF-F Sand	158.509	212.49	90.792	123.031	142.55	194.791	265.173	305.481	398.891
BNGA11437	VF-F Sand	120.981	187.67	72.106	100.308	117.33	164.317	232.189	274.241	386.212
BNGA11438	VF-F Sand	221.367	281.77	127.838	168.948	194.115	261.197	349.799	399.317	510.366
BNGA11441	VF-F Sand	215.345	422.881	171.353	244.812	284.708	389.45	531.637	614.576	809.114
BNGA11444	VF-F Sand	240.829	295.782	127.413	165.982	191.77	264.652	368.159	429.032	572.371
BNGA11447	VF-F Sand	273.279	329.743	145.178	190.891	220.698	302.317	411.834	473.039	608.779
BNGA11450	VF-F Sand	444.878	528.937	239.146	312.029	359.834	491.708	669.25	765.179	947.653
BNGA11453	VF-F Sand	314.965	394.079	159.995	215.665	252.196	353.758	495.307	577.982	772.662
BNGA11456	M-C Sand	534.746	612.095	300.011	385.678	441.124	588.763	769.852	856.688	1002.171
BNGA11463	M-C Sand	422.223	546.262	219.125	313.318	369.429	517.837	707.07	803.378	973.718
BNGA11605	Mud	12.254	78.379	2.942	5.776	9.077	40.288	117.305	160.891	271.334
BNGA11606	VF-F Sand	222.432	267.987	118.9	155.101	178.981	245.052	334.891	385.402	496.56
BNGA11608	VF-F Sand	252.532	369.123	113.386	158.065	190.042	295.252	492.195	618.836	871.674
BNGA11618	Mud	12.467	92.209	2.775	5.994	10.353	46.616	122.068	167.387	315.826
BNGA11623	Mud	8.589	49.711	2.519	4.338	6.087	14.64	43.079	75.549	215.22
BNGA11628		296.402	393.145	141.874	194.44	230.902	340.034	506.641	607.606	835.266
BNGA11632	Mud	5.925	130.464	1.922	2.976	3.921	8.576	42.588	360.124	826.012
BNGA11635	VF-F Sand	60.21	140.674	22.041	61.499	78.403	122.889	185.314	222.536	313.383
BNGA11637	M-C Sand	234.406	319.564	112.726	152.642	180.399	264.868	402.686	493.75	727.224
BNGA11641	M-C Sand	422.856	556.664	186.504	295.59	363.157	536.463	740.105	835.714	993.457
BNGA11647	Mud	12.647	195.77	2.923	5.861	9.368	43.903	235.694	547.557	873.331
BNGA11649	VF-F Sand	20.318	124.782	4.099	12.08	23.359	74.797	153.09	206.206	452.969
BNGA11652	VF-F Sand	148.066	224.301	67.728	108.747	132.548	197.321	288.643	343.118	475.715
BNGA11655	VF-F Sand	326.562	437.546	163.008	237.288	280.894	398.076	559.087	652.054	857.887
BNGA11666	M-C Sand	296.489	395.518	150.626	213.125	251.38	355.724	500.862	586.193	787.224
BNGA11673	M-C Sand	386.622	515.535	185.768	278.581	333.874	482.183	676.081	777.127	959.27
BNGA11677	M-C Sand	420.297	536.354	219.481	306.977	360.598	504.59	691.986	789.385	965.089
BNGA11902	Mud	8.578	37.418	2.626	4.662	6.494	13.657	29.535	43.028	102.977
BNGA11903	Mud	17.286	82.408	3.634	9.554	18.643	59.963	117.709	153.106	246.247
BNGA11905	Mud	9.16	31.025	2.669	4.817	6.854	15.878	39.201	58.356	112.021
BNGA11906	Mud	11.263	66.035	2.96	5.522	8.067	24.887	100.71	142.232	239.814
BNGA11908	Mud	12.247	79.758	3.043	5.921	9.053	32.282	117.771	166.139	289.641
BNGA11909	Mud	11.173	64.516	2.876	5.431	8.137	26.25	93.512	135.823	239.593
BNGA11911	Mud	11.422	40.784	3.011	5.931	9.029	24.221	55.52	76.158	133.381
BNGA11912	Mud	11.64	32.838	3.293	6.623	9.709	20.615	39.86	53.688	99.858
BNGA11914	Mud	11.377	38.89	2.976	6.018	9.318	23.806	52.387	72.479	127.471
BNGA11915	VF-F Sand	244.422	310.334	124.137	165.145	192.882	272.697	388.773	458.405	626.901
BNGA11917	Mud	9.843	66.282	2.551	4.774	7.158	23.136	76.598	114.008	251.957
BNGA11918	Mud	18.49	85.835	3.805	10.46	21.119	68.423	126.757	159.969	238.575
BNGA11920	Mud	10.553	31.423	2.977	5.73	8.435	19.129	39.351	53.654	97.818

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA11921	Mud	7.263	46.537	2.432	3.985	5.323	10.308	20.971	30.92	257.505
BNGA11923	Mud	6.344	26.241	2.297	3.56	4.604	8.39	16.38	23.568	68.942
BNGA12103	Mud	9.633	84.982	2.64	4.779	6.865	17.824	85.556	158.146	416.695
BNGA12105	VF-F Sand	174.342	202.847	98.801	125.335	142.365	188.179	248.643	282.315	357.579
BNGA12106	Mud	8.636	24.049	2.663	4.63	6.43	13.874	30.895	43.758	79.384
BNGA12108	M-C Sand	358.393	472.633	164.36	235.6	285.024	428.324	626.074	732.497	932.69
BNGA12112	M-C Sand	453.239	587.713	238.95	349.743	411.738	570.268	759.96	849.9	999.553
BNGA12113		8.079	18.012	2.648	4.427	6.021	12.395	24.588	32.451	52.157
BNGA12115	Mud	7.117	40.325	2.302	3.796	5.136	10.652	24.22	36.477	114.867
BNGA12121	Mud	8.281	67.119	2.474	4.203	5.803	13.124	44.886	115.111	351.844
BNGA12122	VF-F Sand	230.175	299.27	115.523	153.824	179.962	256.53	372.988	446.27	634.263
BNGA12126	Mud	14.053	96.333	3.238	7.369	12.312	37.695	113.198	173.575	397.716
BNGA12126.5	M-C Sand	238.329	337.909	109.527	151.509	181.51	276.233	436.402	540.892	789.134
BNGA12129	VF-F Sand	13.602	50.535	3.357	7.029	11.216	34.891	75.001	97.452	150.692
BNGA12130	M-C Sand	395.473	551.475	150.205	277.28	354.735	537.643	742.841	838.093	994.674
BNGA12134	Mud	17.075	73.4	3.739	9.264	17.762	54.102	93.712	116.384	177.063
BNGA12135	VF-F Sand	295.774	421.531	136.073	203.002	246.83	372.661	554.968	660.64	881.688
BNGA12136	Mud	17.321	117.755	3.483	9.285	18.096	79.626	164.582	214.8	367.442
BNGA12137	VF-F Sand	297.98	450.147	120.451	176.982	223.185	395.661	641.461	758.286	955.232
BNGA12140	Mud	10.788	63.753	2.793	5.366	8.061	23.675	79.087	121.031	237.091
BNGA12302	Mud	10.13	53.482	2.676	5.023	7.493	21.865	65.142	99.725	216.136
BNGA12303	Mud	9.368	65.922	2.535	4.614	6.765	19.34	58.411	93.756	323.955
BNGA12305	Mud	12.863	62.872	3.056	6.459	10.642	36.242	82.832	115.172	226.014
BNGA12306	Mud	14.46	61.253	3.286	7.423	13.287	43.623	81.861	105.055	177.094
BNGA12308	Mud	12.802	62.834	3.132	6.559	10.62	32.504	68.553	92.251	200.868
BNGA12309	Mud	10.439	49.89	2.732	5.161	7.747	24.194	64.511	89.918	165.694
BNGA12311	Mud	7.968	27.513	2.45	4.148	5.712	12.828	33.636	51.559	103.889
BNGA12312	Mud	10.504	82.983	2.552	5.046	8.105	27.729	88.42	146.138	366.735
BNGA12314	Mud	12.687	103.756	2.794	6.419	11.659	56.143	153.214	209.678	356.588
BNGA12315	Mud	17.764	87.099	3.866	9.891	17.474	56.765	129.675	172.307	272.077
BNGA12317	M-C Sand	379.751	507.424	176.536	264.721	320.456	472.379	670.748	773.367	957.622
BNGA12318	M-C Sand	449.219	575.694	211.79	325.273	391.143	557.788	753.718	845.757	997.961
BNGA12320	M-C Sand	407.647	562.425	166.336	296.469	370.069	548.491	751.357	845.102	998.285
BNGA12321	Mud	8.506	46.43	2.569	4.333	5.984	14.004	39.086	77.728	242.955
BNGA12324	Mud	17.653	165.727	3.527	8.595	16.793	116.69	275.22	346.634	492.555
BNGA12327	Mud	8.849	48.141	2.695	4.633	6.404	14.048	36.18	62.77	236.18
BNGA12330	Mud	6.917	34.443	2.274	3.684	4.933	10.036	23.229	37.551	159.734
BNGA12334	Mud	8.201	23.026	2.582	4.401	6.057	12.874	28.035	39.852	78.051
BNGA12337	Mud	7.481	26.357	2.344	3.926	5.361	11.567	30.229	48.852	103.659
BNGA12340	Mud	8.109	26.655	2.629	4.37	5.894	12.108	27.619	42.149	105.923
BNGA12343	Mud	8.417	46.918	2.533	4.458	6.245	13.69	31.626	48.99	246.112
BNGA12346	Mud	10.165	35.659	2.854	5.372	7.853	18.929	42.156	58.107	109.085

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGA12349	Mud	11.734	71.294	3.061	5.835	8.603	25.274	103.711	155.53	275.46
BNGA12353	VF-F Sand	20.19	126.464	3.736	11.04	28.741	106.916	185.645	231.32	342.992
BNGA12356	VF-F Sand	273.593	354.526	134.675	182.821	215.433	309.577	447.708	531.441	735.65
BNGB00502	mud	12.056	23.037	3.984	7.698	10.248	17.872	30.124	38.235	60.288
BNGB00505	mud	15.971	46.094	4.704	10.116	14.079	26.823	49.626	66.08	119.046
BNGB00509	fine sand	397.745	440.849	250.538	301.976	333.492	415.06	520.21	579.324	719.598
BNGB00511	fine sand	248.3	481.811	230.868	318.26	358.887	459.885	590.491	664.902	836.731
BNGB00515	mud	9.384	42.738	2.461	4.794	7.425	19.064	43.047	61.94	140.501
BNGB00902	mud	21.517	43.968	1.875	2.231	2.529	3.782	8.347	13.158	27.433
BNGB00908	mud	14.398	40.938	1.651	1.949	2.189	3.08	5.128	7.011	15.154
BNGB00912	mud	19.058	49.304	1.816	2.112	2.377	3.369	5.882	8.595	20.907
BNGB00914	fine sand	116.413	284.578	2.366	2.583	2.818	3.742	5.753	7.735	22.944
BNGB00918	medium sand	104.75	319.958	2.376	2.611	2.871	3.824	5.677	7.148	14.51
BNGB00921	mud	8.092	24.548	1.488	1.703	1.893	2.55	3.911	5.028	9.157
BNGB00925	mud	7.122	17.872	1.585	1.858	2.081	2.844	4.322	5.457	9.33
BNGB00927	medium sand	194.964	434.485	3.722	4.059	4.437	5.964	9.264	12.644	44.682
BNGB00935	mud	7.639	32.334	1.393	1.633	1.814	2.427	3.638	4.621	8.346
BNGB00941	fine sand	112.593	284.645	2.353	2.546	2.739	3.519	4.987	6.153	15.268
BNGB00949	medium sand	324.348	425.666	27.445	31.732	35.899	55.223	270.293	329.365	470.445
BNGB01302	mud	19.879	64.245	4.831	12.893	20.011	42.086	79.062	104.597	186.537
BNGB01305	mud	21.767	53.905	1.877	2.241	2.539	3.647	6.297	9.093	23.557
BNGB01306	mud	7.9	22.844	2.509	4.181	5.713	12.451	27.966	39.03	72.178
BNGB01308	mud	4.946	14.746	1.837	2.866	3.686	7.089	18.516	27.928	52.963
BNGB01309	mud	9.048	18.858	1.615	1.903	2.138	3.018	5.017	6.716	12.583
BNGB01311	fine sand	14.78	60.475	3.744	7.685	12.207	31.846	84.095	124.648	211.686
BNGB01315	fine sand	120.821	182.455	61.766	90.443	108.403	159.282	233.309	277.894	386.104
BNGB01320	fine sand	331.209	430.739	31.817	36.352	40.774	60.653	284.318	343.887	483.613
BNGB01323	fine sand	168.456	195.662	96.364	121.533	137.62	180.899	238.445	270.93	345.707
BNGB01330	fine sand	241.791	324.87	17.551	20.933	24.019	35.815	187.835	236.301	347.407
BNGB01337	fine sand	304.34	397.454	27.721	32.414	36.426	50.93	258.624	316.187	439.995
BNGB01340	mud	10.736	31.931	3.183	6.342	9.043	17.531	30.893	39.715	67.791
BNGB01341	mud	9.958	22.65	1.586	1.865	2.1	2.988	5.048	6.833	13.157
BNGB01350	mud	8.591	18.966	1.586	1.863	2.093	2.931	4.755	6.287	11.689
BNGB01356	fine sand	74.961	183.748	2.034	2.219	2.41	3.137	4.721	6.431	17.27
BNGB01702	fine sand	83.903	123.178	41.973	55.997	65.453	92.631	133.295	159.724	253.865
BNGB01705	fine sand	85.915	131.307	33.049	55.05	70.66	114.432	174.175	208.501	288.729
BNGB01709	mud	25.197	57.749	7.806	20.193	26.521	44.49	73.267	92.709	149.512
BNGB01712	mud	19.041	40.981	4.906	14.385	19.979	34.321	54.88	67.532	99.406
BNGB01714	medium sand	220.008	278.131	139.399	181.791	205.259	264.69	339.543	380.289	470.448
BNGB01717	mud	23.934	83.524	5.724	15.877	24.563	59.384	118.42	153.938	243.378
BNGB01721	medium sand	120.521	177.887	64.188	89.55	105.86	152.98	224.178	268.698	381.681
BNGB01724	medium sand	211.146	472.182	62.412	201.686	292.392	454.565	647.328	749.083	940.694

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGB01726	medium sand	77.111	238.973	19.269	117.891	150.169	224.821	318.977	370.569	482.371
BNGB01732	mud	19.711	46.129	5.512	13.238	18.805	35.547	62.202	79.26	123.235
BNGB01735	medium sand	92.525	378.03	24.798	140.082	213.382	348.213	519.579	618.529	839.769
BNGB017375	mud	13.42	49.075	3.706	7.812	11.433	24.023	47.673	66.329	157.849
BNGB01759	medium sand	154.971	304.799	55.507	116.127	159.825	270.498	411.537	491.408	678.561
BNGB01763	medium sand	143.006	321.802	44.653	142.705	190.751	296.222	428.445	502.951	675.352
BNGB01785	medium sand	96.827	281.435	31.111	77.591	117.5	240.84	394.667	481.834	690.218
BNGB02103	mud	7.082	55.177	1.864	2.621	5.34	19.82	43.822	62.821	236.05
BNGB02108	mud	8.831	21.044	2.656	4.713	6.758	15.203	29.441	38.069	59.48
BNGB02112	mud	15.034	32.874	3.938	9.981	14.908	27.461	44.593	54.912	80.948
BNGB02117	mud	14.204	49.796	3.099	10.38	15.932	29.852	50.636	64.844	117.089
BNGB02123	fine sand	220.842	282.818	140.765	184.095	208.237	269.314	346.065	387.606	478.817
BNGB02126	fine sand	174.61	231.841	95.3	136.776	159.458	217.767	292.361	332.875	419.817
BNGB02129	mud	19.306	55.554	4.789	13.091	19.567	39.105	72.607	96.22	164.729
BNGB02132	fine sand	188.433	254.954	110.656	153.455	177.263	238.68	318.277	362.453	460.93
BNGB02135	mud	15.018	54.543	3.548	9.471	14.881	31.916	61.275	83.067	162.03
BNGB02502		11.149	22.843	3.418	6.76	9.442	17.695	30.621	38.892	60.506
BNGB02505	fine sand	114.901	159.452	69.367	94.908	109.534	147.928	198.715	227.386	293.232
BNGB02509	fine sand	151.767	201.636	12.964	15.062	16.946	24.589	122.992	152.738	220.813
BNGB02514	fine sand	149.729	173.632	85.33	108.021	122.525	161.37	212.388	240.731	304.23
BNGB02518	fine sand	180.521	207.429	86.726	102.988	113.847	144.354	187.134	212.377	274.183
BNGB02524	mud	14.669	33.564	1.681	1.981	2.236	3.206	5.792	8.444	18.262
BNGB02529	medium sand	161.584	187.136	92.267	116.726	132.324	174.032	228.755	259.121	326.975
BNGB02534	medium sand	312.567	354.029	185.168	230.064	258.486	333.442	429.325	481.347	593.391
BNGB02537	mud	12.5	33.971	1.648	1.963	2.214	3.13	5.158	6.954	14.184
BNGB02538	mud	45.834	296.766	1.788	2.026	2.258	3.102	5.059	6.901	16.893
BNGB02543	medium sand	196.575	405.903	5.038	5.5	6.044	8.557	19.826	34.141	141.997
BNGB02549	fine sand	172.391	305.986	4.31	4.666	5.044	6.831	18.378	33.28	168.503
BNGB02558	medium sand	245.202	431.297	5.811	6.251	6.694	8.965	20.607	40.483	232.25
BNGB02564	fine sand	242.858	318.961	23.857	28.085	31.86	49.101	206.938	253.531	359.902
BNGB02572	medium sand	322.437	452.06	28.008	34.399	40.141	71.026	247.056	313.902	478.421
BNGB02579	fine sand	250.088	358.386	24.411	30.512	35.74	61.436	189.913	245.665	376.435
BNGB02903	mud	18.057	34.819	5.97	12.386	16.398	27.957	45.792	57.187	87.092
BNGB02908	mud	18.195	47.151	4.743	12.281	17.92	34.086	59.45	76.092	122.727
BNGB02911	fine sand	141.037	183.213	82.42	109.637	125.954	169.269	226.857	259.495	335.164
BNGB02915	mud	18.405	46.072	4.994	12.495	17.754	32.912	57.293	73.831	122.924
BNGB02917	fine sand	152.957	195.317	88.47	118.09	135.772	182.174	242.509	275.938	350.479
BNGB02922	mud	25.492	63.013	7.381	18.493	25.578	45.973	77.997	99.138	161.169
BNGB02926	fine sand	117.035	246.432	36.92	90.235	141.767	235.087	337.54	391.371	504.836
BNGB02930	fine sand	198.02	261.474	107.521	151.457	176.928	243.718	330.508	371.927	479.987
BNGB02935	medium sand	75.301	300.899	20.845	76.096	120.05	262.594	429.807	521.521	735.691
BNGB03502		124.88	217.428	55.73	101.052	125.834	192.21	284.401	338.453	465.56

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGB03505	mud	25.757	67.312	6.476	18.928	27.798	52.419	90.49	115.142	180.497
BNGB03506	fine sand	243.668	280.686	140.38	176.577	199.717	261.721	342.872	387.598	486.034
BNGB03511	medium sand	270.467	357.35	148.23	204.43	238.249	328.616	449.143	517.043	670.632
BNGB03517	medium sand	246.189	291.08	134.661	174.176	199.872	269.74	362.132	412.862	521.449
BNGB03521	medium sand	195.555	250.165	111.965	150.85	173.706	233.417	311.17	354.274	449.882
BNGB03526	medium sand	164.983	221.503	87.846	122.392	143.713	201.866	281.053	325.899	426.021
BNGB03527	medium sand	181.131	211.01	102.779	130.234	147.811	195.155	258.084	293.436	373.796
BNGB03534	medium sand	205.126	248.716	108.299	142.299	164.802	227.171	311.84	359.212	463.224
BNGB03537	medium sand	172.76	238.927	88.623	129.047	152.978	217.463	304.941	354.58	466.039
BNGB03541	medium sand	65.647	171.861	22.744	46.592	66.289	138.717	244.147	303.144	437.881
BNGB03547	mud	8.375	40.41	2.508	4.308	6.022	14.073	36.038	53.192	111.704
BNGB03553	medium sand	12.582	99.914	3.084	6.184	9.492	32.507	123.659	198.13	426.669
BNGB03564	medium sand	212.09	414.262	68.973	153.836	221.055	380.893	573.072	677.521	890.939
BNGB03569	medium sand	152.54	394.956	52.874	131.784	195.337	354.481	556.226	667.021	889.799
BNGB03573	medium sand	217.603	412.652	91.364	207.13	255.739	377.158	539.647	633.607	844.151
BNGB03578	mud	9.323	33.485	2.606	4.753	7.001	17.658	41.413	59.832	120.208
BNGB03902	mud	10.317	21.548	1.832	2.225	2.54	3.668	6.007	7.889	14.303
BNGB03903	fine sand	258.342	296.131	126.139	148.918	164.224	207.275	267.942	303.86	391.936
BNGB03908	medium sand	283.415	336.096	128.113	151.51	167.938	215.866	286.556	329.888	439.681
BNGB03912	medium sand	294.976	348.648	162.829	208.65	238.699	320.96	431.255	492.936	629.712
BNGB03917	medium sand	268.95	363.376	143.891	201.334	236.113	330.125	458.031	531.551	703.07
BNGB03921	medium sand	279.897	322.249	161.17	202.866	229.533	300.81	393.771	444.833	556.742
BNGB03926	medium sand	266.007	304.961	154.373	193.65	218.663	285.284	371.878	419.335	523.082
BNGB03929	medium sand	263.087	304.794	123.707	147.418	163.289	207.925	271.049	308.625	401.746
BNGB03934	mud	19.017	53.504	1.849	2.195	2.483	3.534	5.864	8.041	18.927
BNGB03935	medium sand	257.359	294.031	125.145	148.265	163.761	207.187	267.973	303.701	390.216
BNGB03936	mud	16.049	44.036	1.647	1.948	2.19	3.086	5.147	7.107	16.487
BNGB03937	medium sand	433.634	489.186	226.509	264.885	289.847	358.153	451.973	507.367	645.603
BNGB03941	mud	8.289	21.645	1.53	1.767	1.967	2.685	4.257	5.579	10.342
BNGB03959	mud	13.399	34.433	1.692	1.987	2.241	3.171	5.31	7.294	15.639
BNGB03964	medium sand	528.726	606.305	242.998	288.828	320.812	414.491	551.956	634.554	827.424
BNGB03967	mud	16.321	71.746	1.809	2.087	2.337	3.22	5.132	6.829	14.164
BNGB04302	mud	10.224	57.099	2.864	5.106	7.337	18.992	61.771	102.998	238.847
BNGB04303	fine sand	138.999	189.835	80.104	108.358	125.703	172.771	237.211	274.442	361.803
BNGB04305	fine sand	281.68	393.119	143.655	222.133	261.693	363.333	497.113	573.023	748.248
BNGB04308	medium sand	228.264	295.746	121.755	167.729	196.072	272.249	373.623	429.956	553.514
BNGB04314	medium sand	311.909	426.412	140.012	215.304	261.753	386.121	554.035	649.78	859.002
BNGB04317	medium sand	240.049	292.171	127.613	165.99	191.704	264.137	365.288	423.299	553.922
BNGB04320	medium sand	261.206	300.365	150.66	189.606	214.441	280.74	367.058	414.427	517.588
BNGB04323	medium sand	216.045	276.908	125.51	167.996	193.179	259.062	344.396	391.369	494.5
BNGB04327	medium sand	351.177	462.684	185.105	256.487	301.051	422.905	590.339	685.577	887.572
BNGB04330	medium sand	32.434	247.455	7.08	20.129	33.407	153.612	405.898	517.437	764.104

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGB04335	medium sand	12.582	99.914	3.084	6.184	9.492	32.507	123.659	198.13	426.669
BNGB04338	medium sand	391.012	552.713	180.884	319.619	380.084	532.017	720.363	814.819	979.977
BNGB04340	mud	11.893	37.088	3.298	6.551	9.728	21.959	44.612	60.621	110.635
BNGB04703	medium sand	197.403	268.511	95.584	145.938	174.193	247.676	343.734	396.991	513.947
BNGB04708	medium sand	200.289	266.022	111.408	152.661	177.837	245.545	335.758	385.939	495.61
BNGB04712	medium sand	104.811	218.711	33.194	98.159	131.431	203.881	293.157	342.02	448.431
BNGB04717	medium sand	165.999	217.973	93.213	126.062	145.985	199.388	271.568	313.054	409.979
BNGB04720	medium sand	149.887	206.491	77.301	109.463	129.552	185.002	262.258	307.237	412.494
BNGB04726	medium sand	238.732	312.617	130.867	178.792	208.246	287.663	393.968	453.444	584.927
BNGB04730	medium sand	264.787	369.716	137.897	201.261	237.785	335.573	468.632	545.429	725.553
BNGB04735	medium sand	166.231	238.753	84.647	125.883	149.887	214.871	304.747	356.977	478.386
BNGB04741	medium sand	220.655	304.261	116.432	172.143	202.8	282.786	387.141	444.628	569.375
BNGB04746	medium sand	62.08	278.123	17.8	54.518	96.147	230.599	399.682	497.852	732.366
BNGB04764	fine sand	152.199	352.018	54.907	154.13	202.425	317.491	468.441	555.797	761.631
BNGB04778	fine sand	163.208	340.204	61.808	151.8	196.18	305.99	450.472	533.624	729.824
BNGB05702	mud	13.252	51.178	3.455	6.826	10.457	28.497	72.732	103.047	174.528
BNGB05705	mud	12.309	43.199	3.566	6.822	9.798	21.101	43.745	61.73	138.785
BNGB05706	mud	16.944	49.657	4.165	10.059	16.193	37.058	69.359	89.381	140.344
BNGB05720	medium sand	17.835	47.037	4.787	10.171	15.779	35.937	64.477	81.692	128.232
BNGB05746	fine sand	10.955	27.915	3.066	5.998	9.068	20.41	37.854	48.794	78.532
BNGB05747	fine sand	12.338	37.665	3.139	6.747	10.84	26.137	51.021	67.506	113.474
BNGB05750	fine sand	10.802	32.263	2.941	5.771	8.735	21.009	42.966	57.715	99.573
BNGB05767		11.098	35.208	2.903	5.765	9.021	23.724	49.27	65.517	107.635
BNGB05903	fine sand	142.945	246.426	69.558	101.034	122.245	188.783	309.043	396.477	639.116
BNGB05908	medium sand	238.786	273.872	138.394	173.62	196.132	256.204	334.255	376.949	469.849
BNGB05914	medium sand	278.096	376.275	150.605	208.068	243.49	340.2	473.499	551.026	734.537
BNGB05920	mud	114.288	233.104	52.942	114.615	140.863	209.624	304.133	358.939	485.411
BNGB06302	mud	13.569	73.122	3.344	6.94	10.97	32.432	87.047	132.01	280.845
BNGB06306	medium sand	208.874	268.253	120.366	161.632	186.032	250.032	333.665	380.151	483.524
BNGB06312	medium sand	214.739	281.442	115.162	160.811	188.118	260.579	355.82	408.411	523.056
BNGB06317	medium sand	241.118	280.618	136.428	173.305	196.91	260.474	344.477	391.152	494.427
BNGB06321	medium sand	212.457	299.472	108.056	152.959	181.825	263.709	381.527	451.294	617.391
BNGB06326	medium sand	275.168	383.79	136.469	196.996	235.06	341.172	491.528	580.181	787.753
BNGB06332	mud	10.654	48.175	2.706	5.46	8.561	23.75	53.463	73.697	142.261
BNGB06338	medium sand	127.198	354.613	40.666	129.906	194.938	322.078	482.2	575.015	791.767
BNGB06343	mud	11.359	45.062	2.906	5.968	9.431	24.444	51.379	70.357	133.647
BNGB06349	mud	115.577	258.651	44.911	106.68	137.249	219.777	340.384	414.485	600.09
BNGB06350	mud	11.261	49.893	2.894	5.774	8.926	24.465	59.919	87.356	182.782
BNGB06355	medium sand	121.73	261.848	61.859	125.973	157.919	239.04	344.993	404.202	535.934
BNGB06361	medium sand	177.075	341.813	90.702	178.637	216.815	313.383	440.597	512.932	680.679
BNGB06365	mud	9.803	58.125	2.635	4.875	7.276	20.316	50.698	74.215	270.937
BNGB06703	mud	16.192	57.766	3.991	8.855	14.337	37.931	76.968	101.98	172.596

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGB06706	fine sand	119.258	169.747	76.622	104.849	120.175	159.387	210.026	238.347	303.407
BNGB06709	fine sand	236.551	298.138	140.895	185.123	211.523	280.321	368.675	416.927	521.922
BNGB06712	fine sand	257.575	296.905	148.101	186.556	211.136	277.008	363.182	410.569	514.098
BNGB06717	mud	13.155	35.504	3.516	7.405	11.35	25.814	49.217	63.933	101.602
BNGB06720	mud	9.659	26.625	2.838	5.287	7.635	16.616	32.625	43.386	74.222
BNGB07903	mud	19.996	65.259	4.702	12.685	21.308	45.802	81.489	104.972	178.043
BNGB07906	medium sand	306.451	437.105	155.201	239.892	284.329	401.17	559.292	650.081	852.211
BNGB07914	mud	7.137	44.348	2.225	3.714	5.134	11.268	26.546	40.219	128.706
BNGB07923	mud	9.27	40.71	2.562	4.727	6.988	17.641	42.764	61.976	122.175
BNGB07934	fine sand	163.471	237.959	85.298	118.679	140.147	201.813	295.315	355.372	519.764
BNGB07937.5	mud	18.265	47.728	5.044	11.828	16.869	32.629	60.94	81.541	142.914
BNGB07938	fine sand	169.284	267.425	76.228	121.164	150.929	234.797	351.079	418.162	574.059
BNGB07939	mud	15.985	42.743	4.2	10.228	15.084	29.658	53.483	69.654	117.065
BNGB07941	fine sand	146.876	183.766	78.346	101.414	116.777	160.006	221.52	258.634	356.169
BNGB07943.5	mud	9.064	43.95	2.609	4.736	6.863	15.887	35.425	52.044	131.21
BNGB07946	mud	110.502	172.708	58.737	83.329	98.6	141.662	206.074	248.058	381.607
BNGB07949	mud	18.657	77.015	4.121	11.533	19.951	48.829	97.284	130.942	239.314
BNGB07952	medium sand	163.734	284.807	74.455	110.13	135.412	219.408	372.917	476.142	730.791
BNGB07953	mud	10.205	41.009	2.712	5.254	8.06	21.015	45.401	61.791	111.593
BNGB07966	medium sand	357.176	468.7	215.902	287.134	328.019	435.893	580.99	664.553	853.365
BNGB07972	fine sand	159.521	309.95	81.875	160.173	195.067	284.051	401.623	468.226	620.038
BNGB07982	fine sand	261.892	395.735	113.715	205.804	248.749	359.614	509.783	597.172	800.841
BNGB08203	mud	9.014	21.297	2.917	5.029	6.873	13.744	26.848	36.206	64.402
BNGB08205	mud	15.075	33.301	4.516	9.25	13.033	24.888	44.006	56.596	91.246
BNGB08240	fine sand	8.943	30.698	2.515	4.578	6.774	17.093	36.991	51.169	103.101
BNGB09005	mud	11.341	33.767	3.117	6.127	9.167	21.72	44.738	59.786	100.306
BNGB09017	mud	8.498	31.552	2.53	4.432	6.272	14.464	33.302	47.407	91.01
BNGB09023	mud	8.25	31.325	2.474	4.292	6.048	13.96	32.435	46.494	91.575
BNGB09027	mud	8.001	31.975	2.445	4.129	5.739	13.126	32.004	47.321	100.171
BNGB09032	mud	9.662	37.798	2.696	4.826	7.022	19.12	49.098	69.773	130.199
BNGB09038	medium sand	211.088	410.755	90.564	201.781	250.36	373.923	540.198	635.92	848.078
BNGB09406	mud	6.91	79.802	1.958	3.567	5.482	14.959	36.776	58.764	577.137
BNGB09409	mud	12.37	45.791	3.125	6.898	10.93	26.06	50.788	66.828	114.976
BNGB09414	mud	7.277	41.456	2.345	3.927	5.385	11.014	22.095	30.444	72.692
BNGB09420	mud	11.747	42.125	3.036	6.702	10.445	23.235	43.443	56.528	95.308
BNGB09426	fine sand	97.716	207.192	31.702	83.419	116.057	189.017	280.224	331.076	444.614
BNGB09429	mud	8.692	37.822	2.604	4.559	6.452	14.642	32.142	45.546	114.576
BNGB09434	mud	15.974	83.781	3.485	9.183	16.439	53.684	120.831	162.334	267.831
BNGB09444	medium sand	180.559	323.57	72.931	158.836	196.573	291.955	420.169	494.612	670.87
BNGB09453	fine sand	192.659	325.754	86.089	147.077	183.537	285.015	427.614	511.074	709.683
BNGB09464	fine sand	239.175	443.543	93.184	205.876	264.645	409.291	596.103	698.945	905.813
BNGC00103	mud	9.823	39.246	2.773	5.263	7.725	17.795	36.733	49.853	94.916

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGC00105	fine sand	176.621	233.383	106.547	142.723	163.759	218.709	290.116	329.517	416.227
BNGC00108.5	mud	6.597	38.256	2.181	3.422	4.526	9.411	26.823	49.083	157.003
BNGC00117	mud	9.02	34.359	2.872	5.002	6.85	13.667	27.584	39.288	102.092
BNGC00123	medium sand	290.784	561.095	128.277	326.387	389.171	545.198	735.486	828.78	988.231
BNGC00126	mud	24.286	69.967	7.542	16.651	22.197	38.679	70.806	106.139	276.239
BNGC00127	fine sand	95.526	294.371	25.711	129.01	171.115	268.039	393.798	465.666	633.442
BNGC00133	mud	21.654	46.26	5.566	16.11	23.237	40.202	62.847	76.138	107.857
BNGC00146	fine sand	88.43	247.426	23.932	112.059	147.924	228.653	331.581	389.331	519.118
BNGC00909	mud	8.403	32.192	2.64	4.468	6.124	13.035	30.302	45.831	106.362
BNGC00911	mud	10.549	25.319	3.095	5.923	8.543	18.15	34.57	45.102	72.366
BNGC00914	mud	11.492	49.319	3.034	5.939	8.973	24.349	56.793	77.939	141.641
BNGC00917	fine sand	130.691	233.61	74.565	125.644	150.853	216.143	301.776	349.255	452.853
BNGC00920	medium sand	143.611	321.981	54.446	163.46	200.484	293.861	418.446	489.952	656.149
BNGC00932	fine sand	140.365	206.878	70.648	110.81	132.141	188.637	265.192	308.895	407.828
BNGC00940	fine sand	125.736	178.317	73.24	101.713	118.416	163.045	223.518	258.324	339.915
BNGC00943	fine sand	59.799	165.34	17.603	60.584	90.623	149.952	224.423	267.158	367.364
BNGC00947	fine sand	92.676	255.567	29.814	129.903	164.618	242.688	338.88	390.908	502.115
BNGC00953	mud	11.277	35.854	2.962	5.8	8.97	24.752	51.739	67.744	106.805
BNGC00956	fine sand	196.976	383.236	74.818	199.267	244.146	353.638	496.37	577.852	767.565
BNGC01317	medium sand	265.626	361.537	139.748	208.95	245.142	337.834	457.458	523.337	668.397
BNGC01326	fine sand	213.13	278.422	126.717	170.671	195.984	261.586	346.164	392.571	494.138
BNGC01338	fine sand	195.919	261.46	107.331	148.6	173.655	241.004	330.808	380.796	490.072
BNGC01341	medium sand	211.343	295.36	108.714	165.345	195.716	274.339	376.712	433.202	556.356
BNGC01356	medium sand	262.897	355.202	135.399	201.223	237.075	329.808	450.258	517.034	665.186
BNGC01364	mud	5.287	17.812	1.924	2.856	3.642	6.855	17.165	27.995	68.344
BNGC01369	fine sand	80.452	257.127	20.624	70.969	109.746	209.42	353.995	442.99	666.385
BNGC01372	medium sand	217.568	382.046	97.04	193.117	236.782	347.609	495.401	580.68	780.469
BNGC02102	mud	18.722	32.167	6.841	13.444	17.152	27.193	41.781	50.843	74.307
BNGC02106	mud	17.61	36.565	4.699	13.044	17.911	30.555	48.802	60.072	88.64
BNGC02111	fine sand	101.749	142.345	57.077	78.754	91.831	127.259	176.455	205.625	278.208
BNGC02114	fine sand	140.073	183.533	80.229	109.167	126.086	170.453	228.645	261.253	335.043
BNGC02115	fine sand	120.94	160.381	68.87	93.001	107.633	146.796	199.569	229.826	300.975
BNGC02118	fine sand	92.251	157.82	40.516	67.37	83.088	127.826	197.777	244.44	379.323
BNGC02121	medium sand	433.084	496.377	255.083	314.912	353.644	459.446	603.821	686.726	871.142
BNGC02126	medium sand	332.657	370.058	206.111	250.344	277.915	349.719	441.169	491.289	603.154
BNGC02134	mud	14.271	51.461	3.761	8.549	12.687	26.806	54.108	76.018	166.093
BNGC02143	medium sand	179.334	372.323	81.027	182.936	224.459	333.547	485.365	575.082	785.896
BNGC02146	fine sand	56.12	152.165	17.139	44.707	63.484	116.079	198.925	254.516	412.38
BNGC02147	medium sand	278.915	611.504	99.429	392.203	456.608	609.783	785.954	868.497	1006.926
BNGC02162	mud	10.06	62.438	2.924	5.312	7.517	17.019	41.542	65.803	360.778
BNGC02167	fine sand	160.61	301.384	65.68	167.488	201.151	283.813	388.646	445.895	569.592
BNGC02173	fine sand	127.974	284.682	59.948	145.602	177.896	260.787	371.043	433.326	573.462

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGC02191	fine sand	105.87	299.598	32.425	133.29	176.237	273.306	398.855	470.921	640.162
BNGC02502		252.26	314.057	162.43	210.944	237.04	301.912	381.663	423.766	516.304
BNGC02503	mud	12.56	37.952	3.263	6.923	10.848	25.459	50.786	68.164	116.823
BNGC02506	fine sand	62.472	120.629	23.744	51.516	66.336	105.514	159.734	191.589	267.682
BNGC02509	fine sand	149.582	207.8	76.113	110.749	131.598	188.191	265.588	309.829	409.901
BNGC02514	fine sand	143.55	165.732	82.362	103.956	117.715	154.439	202.371	228.841	287.75
BNGC02518	fine sand	189.177	243.515	110.295	146.594	168.459	226.296	302.52	345.093	440.04
BNGC02903	mud	17.863	39.316	4.851	12.592	17.616	31.359	52.173	65.526	100.947
BNGC02905	fine sand	33.228	83.608	9.572	25.94	36.289	65.374	108.944	136.965	216.501
BNGC02908	fine sand	80.477	131.041	41.097	58.358	69.393	101.023	149.776	182.805	302.848
BNGC02914	fine sand	98.78	138.875	49.611	66.444	77.656	109.491	156.006	185.313	277.261
BNGC02916	mud	22.883	53.757	6.377	17.02	23.278	40.644	67.545	85.167	134.728
BNGC02918	fine sand	194.32	259.39	99.74	145.747	172.173	241.072	330.256	378.97	483.889
BNGC02921	fine sand	208.756	270.442	124.512	169.736	194.218	256.419	335.125	377.839	470.857
BNGC02923	mud	17.366	41.622	4.919	11.765	16.322	29.599	51.419	66.605	114.244
BNGC02932	mud	16.81	51.938	4.002	10.299	16.888	38.466	71.452	92.127	146.406
BNGC02947	medium sand	220.486	458.516	77.351	215.918	278.478	427.971	619.354	722.904	923.811
BNGC02948	medium sand	15.945	35.825	3.856	11.601	17.573	31.114	48.903	59.359	84.588
BNGC02952	fine sand	238.646	329.625	119.349	179.237	213.402	303.068	421.051	486.824	633.817
BNGC02962	mud	6.475	38.788	2.146	3.468	4.676	9.495	20.08	29.146	88.486
BNGC02963	medium sand	240.516	437.535	162.994	262.394	304.424	410.401	549.531	629.084	813.602
BNGC02967	medium sand	63.673	363.776	16.252	46.396	92.549	337.731	550.124	662.931	888.541
BNGC03303	fine sand	121.411	143.6	67.177	86.252	98.548	131.909	176.66	201.989	260.135
BNGC03308	fine sand	138.042	156.063	82.412	102.233	114.557	146.8	188.091	210.726	261.335
BNGC03314	fine sand	132.094	195.672	69.463	97.187	114.926	165.961	243.543	293.206	427.79
BNGC03318	fine sand	246.407	278.38	147.17	181.831	203.785	262.014	336.937	377.591	465.58
BNGC03323	mud	34.723	117.901	10.178	23.893	34.237	74.494	160.093	220.233	373.043
BNGC03702		20.338	40.42	6.941	15.294	19.617	31.514	49.52	61.284	96.117
BNGC03705	mud	14.387	33.102	3.944	9.212	13.358	25.573	44.481	56.603	88.566
BNGC03708	fine sand	42.739	132.54	10.553	39.887	62.305	108.547	172.071	212.853	332.013
BNGC03711	fine sand	143.374	168.155	80.281	102.547	116.807	155.239	206.311	235.04	300.417
BNGC03712	mud	24.738	62.359	6.826	17.505	24.923	46.847	81.803	104.946	170.402
BNGC03715	fine sand	127.311	194.395	66.254	93.921	111.294	161.043	237.535	288.115	438.92
BNGC03720	mud	39.02	116.744	11.823	24.255	35.845	88.558	166.66	211.892	323.281
BNGC03724	fine sand	167.015	241.564	86.567	127.865	151.911	217.259	307.95	360.804	484.192
BNGC03727	mud	61.663	154.188	17.303	48.016	74.352	132.244	208.883	255.163	371.687
BNGC03730	medium sand	229.998	315.086	139.696	201.045	230.367	302.902	392.264	439.669	540.102
BNGC03741	mud	7.839	56.703	2.317	4.01	5.686	13.116	33.733	53.311	359.432
BNGC03747	mud	8.122	50.992	2.388	4.204	5.98	13.669	33.306	50.593	189.169
BNGC03751	medium sand	234.714	363.44	80.213	181.748	227.537	335.659	472.956	550.116	727.817
BNGC03756	medium sand	275.406	465.339	170.296	262.284	309.405	432.144	596.37	689.272	887.323
BNGC03759	mud	15.72	52.601	3.667	10.041	16.414	34.535	62.94	82.369	143.683

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGC03769	mud	11.785	64.536	2.787	5.897	9.971	31.673	67.225	91.544	200.647
BNGC04102	mud	11.146	22.851	3.542	6.747	9.246	17.077	29.845	38.345	62.102
BNGC04105	mud	39.441	102.902	11.376	29.237	43.212	80.603	132.249	164.33	255.396
BNGC04109	fine sand	122.385	196.298	52.66	94.082	116.797	176.276	256.287	302.173	408.137
BNGC04115	fine sand	217.544	248.433	126.964	159.096	179.402	233.101	302.293	340.078	422.488
BNGC04118	mud	23.277	45.37	8.452	16.083	20.985	35.948	60.34	76.021	115.163
BNGC04123	fine sand	163.315	189.289	93.442	117.944	133.589	175.573	231.027	262.054	332.232
BNGC04126	fine sand	87.155	180.277	29.947	66.062	90.354	157.09	246.887	297.527	411.384
BNGC04127	mud	87.155	180.277	29.947	66.062	90.354	157.09	246.887	297.527	411.384
BNGC04502	mud	28.599	100.49	6.769	18.563	32.581	76.31	132.269	167.267	271.333
BNGC04505	mud	25.731	71.782	6.763	18.135	26.656	52.224	92.582	119.117	196.002
BNGC04511	fine sand	160.305	186.507	90.932	115.333	130.944	172.877	228.261	259.179	328.88
BNGC04517	fine sand	124.384	176.011	65.916	91.581	107.895	153.872	220.692	261.498	365.032
BNGC04521	fine sand	220.452	275.289	139.586	180.908	203.918	262.136	335.342	375.184	462.991
BNGC04524	mud	18.124	75.986	4.553	10.527	15.927	38.557	97.918	144.147	276.922
BNGC04526	fine sand	140.979	201.296	68.439	105.357	126.658	183.338	259.192	301.905	397.274
BNGC04527	mud	24.144	102.405	5.795	14.308	22.451	67.117	155.612	203.075	309.551
BNGC04530	fine sand	168.29	246.468	78.747	119.468	145.649	219.233	321.365	379.415	509.614
BNGC04534	medium sand	287.498	379.981	154.079	215.754	252.415	349.448	477.972	550.382	716.101
BNGC04537	fine sand	123.411	161.626	63.151	83.26	96.848	136.006	194.42	231.452	336.587
BNGC04903	mud	9.187	19.054	3.005	5.391	7.355	13.719	24.115	31.047	51.447
BNGC04908	mud	21.62	49.555	6.711	15.155	20.42	35.997	61.192	77.87	124.807
BNGC04912	fine sand	130.44	172.797	78.669	105.291	120.779	161.263	214.118	243.618	310.475
BNGC04918	mud	13.135	36.58	3.749	7.766	11.087	22.359	44.661	62.933	122.633
BNGC04921	fine sand	28.73	123.927	6.324	18.295	32.107	101.928	182.639	227.696	335.072
BNGC04926	fine sand	251.374	335.761	149.383	207.225	237.993	316.447	417	472.485	596.178
BNGC04927	mud	10.24	25.218	3.144	5.704	8.008	16.643	32.639	43.694	75.816
BNGC04930	fine sand	100.024	307.296	31.751	82.985	133.097	276.659	432.976	518.583	718.432
BNGC04932	mud	16.894	46.614	4.601	10.731	15.597	30.436	55.144	72.571	130.732
BNGC04935	mud	10.288	30.084	2.932	5.483	7.971	18.756	40.999	56.052	95.509
BNGC04940	mud	7.375	34.815	2.394	3.955	5.34	10.781	24.288	38.748	123.587
BNGC04947	fine sand	157.714	177.182	95.53	117.545	131.241	166.924	212.559	237.63	293.728
BNGC04956	mud	10.892	55.29	2.829	5.433	8.298	24.065	62.895	92.154	197.616
BNGC04961	mud	4.626	75.055	1.762	2.491	3.096	5.493	15.537	60.848	578.823
BNGC05303	fine sand	124.618	164.671	63.008	83.605	97.556	137.991	198.888	237.757	348.486
BNGC05305	mud	16.736	54.08	4.608	10.333	15.043	30.047	55.671	73.964	143.599
BNGC05309	fine sand	132.57	170.2	66.517	89.03	104.331	148.604	213.664	252.976	349.177
BNGC05312	fine sand	180.912	210.722	102.461	130.167	147.838	195.242	257.899	292.964	372.255
BNGC05317	fine sand	218.716	246.873	130.975	162.173	181.626	232.424	297.525	333.128	412.273
BNGC05320	mud	11.561	29.718	3.324	6.405	9.3	20.681	41.858	55.293	86.834
BNGC05324	fine sand	124.556	168.924	74.907	101.538	116.915	157.228	210.155	239.802	307.246
BNGC05330	medium sand	340.031	389.403	198.836	248.184	279.596	363.147	472.319	532.98	669.789

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGC05335	mud	97.562	271.862	29.019	122.727	162.193	250.857	363.963	427.472	570.841
BNGC05703	mud	13.203	46.487	3.59	6.961	10.244	26.205	66.953	92.203	151.709
BNGC05708	mud	22.523	69.292	5.393	14.636	24.044	52.205	91.727	115.965	180.981
BNGC05712	mud	15.971	46.966	4.143	9.508	14.55	31.487	60.36	80.043	137.339
BNGC05718	mud	16.188	39.576	4.464	9.996	14.623	29.297	53.362	69.206	111.213
BNGC05720	mud	17.306	53.66	4.48	10.417	15.927	34.426	65.964	87.791	156.56
BNGC05721	fine sand	149.381	199.305	86.803	116.579	134.527	182.615	247.803	285.329	373.343
BNGC05724	fine sand	141.82	196.937	80.413	108.229	125.328	172.236	239.318	280.9	395.449
BNGC05726	fine sand	155.254	265.067	110.131	156.321	182.064	248.472	333.93	380.869	483.762
BNGC05730	mud	7.922	21.017	2.604	4.325	5.842	11.785	24.498	34.535	68.878
BNGC05737	mud	11.076	28.462	3.16	6.18	9.077	19.604	37.796	50.066	84.566
BNGC06102	fine sand	193.526	224.69	110.194	139.446	158.185	208.526	274.963	311.99	394.813
BNGC06105	fine sand	223.36	250.844	135.2	166.377	185.808	236.534	301.336	336.836	415.452
BNGC06109	mud	36.078	145.268	7.976	26.524	44.872	120.145	212.734	263.436	381.778
BNGC06114	fine sand	176.328	197.882	106.919	131.525	146.8	186.682	237.503	265.256	327.016
BNGC06118	fine sand	156.766	177.535	93.461	115.898	129.885	166.639	214.012	240.095	298.855
BNGC06124	fine sand	228.308	261.608	132.666	166.209	187.619	244.697	318.963	359.677	448.702
BNGC06129	fine sand	188.06	219.954	105.757	134.681	153.237	203.314	269.862	307.174	391.448
BNGC06132	fine sand	228.544	265.631	129.575	164.523	186.847	246.786	325.69	369.449	466.439
BNGC06137	mud	14.563	59.242	3.702	8.028	12.397	30.347	72.763	110.527	221.75
BNGC06502	fine sand	144.38	205.688	72.574	102.969	122.553	178.205	259.772	309.804	436.537
BNGC06503	mud	10.128	61.77	2.716	5.147	7.599	19.389	59.72	107.678	271.02
BNGC06509	fine sand	167.934	190.296	100.221	124.163	139.087	178.31	229.027	257.204	321.273
BNGC06515	fine sand	212.834	248.11	120.32	152.974	173.817	229.81	303.915	345.4	438.846
BNGC06521	fine sand	158.119	225.332	83.12	116.004	137.058	197.009	284.974	338.511	469.731
BNGC06523	medium sand	302.169	423.385	130.167	206.758	254.301	382.063	555.002	653.345	865.52
BNGC06526	fine sand	249.09	328.588	131.954	184.687	216.668	302.157	415.724	479.104	619.728
BNGC06530	mud	15.023	65.561	3.705	8.432	13.204	32.401	79.418	117.24	231.575
BNGC06535	mud	11.277	31.765	2.996	6.194	9.556	22.379	43.329	56.745	92.943
BNGC06544	fine sand	108.691	152.863	63.835	86.029	99.372	135.242	184.579	213.808	288.856
BNGC06547	mud	74.543	139.396	31.369	52.899	66.59	106.938	172.166	217.131	357.111
BNGC06553	mud	11.299	39.756	3.155	6.352	9.285	20.259	41.145	55.861	100.594
BNGC06563	mud	5.354	69.699	1.961	2.868	3.624	6.569	17.048	64.64	526.089
BNGC06567	mud	5.572	84.309	1.864	2.811	3.699	7.946	24.391	52.508	627.659
BNGC06902	mud	13.068	35.469	3.528	7.344	11.173	25.107	48.285	63.448	104.304
BNGC06905	fine sand	119.961	169.763	64.241	89.398	105.189	149.246	212.472	250.828	348.025
BNGC06914	fine sand	205.341	255.353	104.017	140.429	164.578	231.743	323.353	374.884	488.539
BNGC06920	fine sand	266.343	307.008	152.661	193.003	218.695	287.108	375.806	424.301	529.702
BNGC06924	fine sand	218.269	259.958	119.16	153.41	175.979	238.2	322.569	370.106	475.928
BNGC06930	medium sand	325.782	442.855	149.69	232.309	280.041	404.974	572.205	667.258	872.677
BNGC06935	mud	9.754	23.559	2.92	5.422	7.747	16.309	31.356	41.409	69.069
BNGC06940	medium sand	267.854	320.709	144.901	187.477	215.633	293.593	399.399	458.84	590.231

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGC07302	fine sand	164.79	229.867	85.132	117.706	139.078	200.407	290.638	345.514	480.119
BNGC07305	fine sand	148.868	184.597	78.964	102.682	118.469	162.825	226.019	264.086	361.412
BNGC07309	fine sand	177.258	207.338	100.698	127.093	144.105	190.324	252.808	288.672	372.731
BNGC07314	fine sand	158.471	183.91	90.818	114.32	129.396	170.017	224.066	254.569	324.644
BNGC07318	mud	15.736	44.493	4.105	9.049	13.996	31.94	61.352	80.133	129.304
BNGC07321	fine sand	216.432	273.102	108.47	146.942	172.55	244.597	345.484	403.762	536.929
BNGC07327	medium sand	336.022	464.41	148.454	237.921	290.013	426.955	608.837	709.348	911.26
BNGC07332	fine sand	222.351	250.025	133.924	165.419	184.996	236.048	300.968	336.305	413.864
BNGC07702	fine sand	117.596	137.129	66.799	84.455	95.817	126.53	167.536	190.694	243.914
BNGC07705	fine sand	134.258	187.453	70.354	97.485	115.052	164.902	236.888	279.964	384.851
BNGC07711	fine sand	240.217	275.316	139.377	174.913	197.516	257.635	335.638	378.32	471.777
BNGC07714	fine sand	153.031	208.118	84.612	114.14	132.651	184.093	258.071	303.178	417.573
BNGC07718	fine sand	204.45	256.278	129.999	167.549	188.952	243.533	312.466	349.971	432.695
BNGC07724	fine sand	198.953	235.244	110.045	141.411	161.562	216.228	289.587	331.121	426.053
BNGC07727	mud	14.661	47.499	3.874	7.959	12.013	30.529	67.054	89.8	147.416
BNGC07730	fine sand	145.312	190.419	85.998	114.57	131.549	176.396	235.862	269.517	347.015
BNGC07734	mud	7.109	51.705	2.212	3.718	5.185	10.984	24.795	39.972	323.907
BNGC07739	fine sand	12.097	60.03	2.931	6.342	10.251	29.25	63.392	87.874	193.286
BNGC07741	mud	10.052	47.839	2.698	5.384	8.175	19.498	39.235	52.548	105.683
BNGC07747	fine sand	200.45	267.334	110.083	152.918	178.56	247.098	338.065	388.537	498.603
BNGC07752	medium sand	280.563	396.076	153.986	222.477	261.091	363.261	500.333	578.752	760.884
BNGC07769	fine sand	198.635	272.436	104.554	147.924	174.462	247.043	346.714	403.569	531.528
BNGC07771	mud	11.331	51.308	2.969	5.996	9.163	22.802	52.03	76.664	182.963
BNGC07773	mud	11.219	30.174	3.012	6.356	9.68	21.058	40.051	52.927	89.587
BNGC08102	fine sand	46.301	127.127	11.522	49.811	74.002	119.347	173.863	203.7	268.53
BNGC08105	mud	16.49	36.797	4.787	10.246	14.686	28.3	49.429	62.924	98.613
BNGC08109	fine sand	150.969	200.741	80.09	112.587	132.224	184.771	254.482	293.283	378.782
BNGC08115	fine sand	126.28	167.549	72.172	97.974	113.347	154.103	208.5	239.491	312.016
BNGC08117	medium sand	26.342	172.817	5.206	16.46	30.86	145.94	265.748	329.099	473.451
BNGC08123	medium sand	240.269	345.799	117.64	180.883	216.439	311.46	441.634	517.216	695.319
BNGC08127	medium sand	186.226	408.884	68.462	191.19	247.888	377.624	543.591	637.955	847.512
BNGC08132	medium sand	191.835	385.967	86.471	182.957	228.865	347.589	508.508	601.78	815.06
BNGC08137	mud	17.61	111.082	3.431	10.077	18.927	84.586	173.303	217.816	320.36
BNGC08146	fine sand	13.38	62.335	3.158	6.97	11.448	34.222	88.037	123.415	211.401
BNGC08147	fine sand	26.965	133.02	5.055	19.473	44.207	122.187	195.225	234.392	321.954
BNGC08153	fine sand	115.318	233.768	104.22	148.089	169.627	223.209	290.445	327.093	408.142
BNGC08161	fine sand	205.901	267.917	110.205	155.076	181.352	250.092	338.792	386.928	489.599
BNGC08503	mud	14.622	56.282	3.592	8.213	13.151	33.323	66.489	87.858	152.214
BNGC08505	mud	6.675	42.242	1.987	3.227	4.534	12.117	33.581	51.982	166.206
BNGC08514	mud	12.229	73.172	2.831	6.046	10.163	34.513	97.999	146.736	277.132
BNGC08517	fine sand	190.434	274.454	92.271	153.626	182.682	256.447	351.557	403.797	516.58
BNGC08523	mud	7.616	48.178	2.32	3.975	5.606	12.318	26.779	38.878	248.124

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TableA.1 – continued from previous page

Sample Name	Field Grain Size	D(3,2)- Surface weighted mean	(4,3)- Volume weighted mean	d(0.05)	d(0.16)	d(0.25)	d(0.50)	d(0.75)	d(0.84)	d(0.95)
BNGC08530	mud	7.94	43.993	2.528	4.422	6.051	11.782	23.284	33.553	144.173
BNGD00002	Mud	12.705	140.482	2.751	5.895	10.348	48.891	237.916	318.393	491.037
BNGD00004	Mud	9.766	72.934	2.471	4.634	7.157	22.567	82.867	146.501	328.654
BNGD00008	Mud	19.242	234.671	3.668	13.785	33.879	193.637	364.245	454.1	665.437
BNGD00010	VF-F Sand	114.881	288.537	40.185	145.863	180.119	265.82	378.512	441.849	583.546
BNGD00014	VF-F Sand	145.358	289.638	56.413	174.969	204.651	277.154	367.289	415.851	520.183
BNGD00018	VF-F Sand	144.775	277.975	57.174	169.059	197.189	266.21	351.893	397.82	496.065
BNGD00023	VF-F Sand	138.613	292.406	47.038	144.724	181.952	270.932	384.802	448.206	589.765
BNGD00027	VF-F Sand	185.523	371.341	66.558	203.508	244.544	345.932	477.267	551.126	720.563
BNGD00032	VF-F Sand	195.924	398.636	66.659	193.569	245.151	366.93	525.234	615.926	822.174
BNGD00037	VF-F Sand	252.892	355.039	136.397	204.94	240.5	331.753	449.763	514.853	658.076
BNGD00041	VF-F Sand	218.421	401.329	86.637	197.626	245.927	366.305	526.012	617.924	826.42
BNGD00046	VF-F Sand	171.517	400.937	63.028	180.944	229.292	357.402	538.739	644.111	868.368
BNGD00051	Mud	7.012	63.344	1.995	3.271	4.906	14.047	38.887	62.627	399.914
BNGD00052	VF-F Sand	74.104	384.145	19.379	96.473	219.874	362.07	533.083	630.214	845.616
BNGD00056	VF-F Sand	192.825	355.114	81.997	197.13	234.549	329.412	453.995	524.235	684.671
BNGD00059	VF-F Sand	114.112	228.119	40.901	135.869	159.008	216.558	289.596	329.53	416.672
BNGD00102	Mud	10.278	47.863	2.758	5.69	8.507	19.104	39.066	53.596	115.984
BNGD00105	VF-F Sand	17.958	111.19	4.119	10.185	16.217	45.767	179.558	246.825	386.778
BNGD00106	Mud	14.07	53.971	3.431	8.433	12.982	29.818	61.811	84.795	162.741
BNGD00111	Mud	13.958	40.479	7.798	10.487	12.629	20.792	42.113	72.437	158.042
BNGD00112	Mud	6.604	61.139	1.995	3.197	4.486	11.512	32.929	59.566	378.324
BNGD00114	VF-F Sand	93.04	374.351	27.625	182.776	232.666	346.665	496.338	583.313	787.589
BNGD00118	VF-F Sand	218.035	439.939	182.542	260.855	301.9	408.66	552.14	635.203	826.767
BNGD00123	VF-F Sand	175.256	331.005	70.394	182.446	219.216	310.329	426.72	490.746	631.404
BNGD00127	VF-F Sand	256.784	464.109	132.475	249.577	299.884	430.118	605.005	703.119	904.534
BNGD00132	VF-F Sand	181.045	372.808	71.804	174.589	217.641	331.075	491.017	586.064	806.342
BNGD00137	VF-F Sand	198.438	471.123	64.714	227.418	292.694	444.67	637.328	740.407	935.723
BNGD00141	VF-F Sand	98.608	401.559	29.338	143.84	210.248	364.691	563.664	673.575	894.244
BNGD00146	VF-F Sand	160.074	333.38	56.567	154.412	195.449	299.384	438.921	519.702	710.586
BNGD00150	VF-F Sand	263.69	500.29	143.079	278.042	332.136	471.276	653.751	752.239	940.35
BNGD00155	VF-F Sand	170.862	312.873	97.694	168.118	201.812	288.601	402.853	466.835	609.916
BNGD00161	VF-F Sand	237.094	447.046	106.494	226.04	277.816	411.059	590.244	690.966	898.307
BNGD00202	Mud	12.786	54.095	3.156	7.281	11.371	27.333	55.684	75.06	142.462
BNGD00205	VF-F Sand	17.398	65.468	4.266	9.936	15.911	38.969	83.129	116.843	223.042
BNGD00206	Mud	15.361	42.467	4.066	9.01	13.67	29.895	57.274	75.415	124.9
BNGD00208	VF-F Sand	167.01	226.237	89.092	128.86	151.246	209.883	286.782	329.443	422.784
BNGD00218	Stiff Mud	5.781	11.455	2.125	3.323	4.316	7.778	13.968	18.298	31.809
BNGD00220	VF-F Sand	159.721	437.3	54.388	191.487	256.107	405.785	597.72	702.852	910.793
BNGD00224	VF-F Sand	207.762	422.803	89.182	224.699	270.68	388.788	547.969	639.532	844.561
BNGD00229	VF-F Sand	226.452	304.206	136.091	186.919	214.996	287.096	379.08	429.191	538.318
BNGD00234	VF-F Sand	240.537	400.475	158.054	234.888	273.269	371.618	501.763	576.596	754.103

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGD00238	VF-F Sand	285.957	509.327	159.672	282.269	338.185	481.255	666.304	764.635	948.968
BNGD00243	VF-F Sand	257.266	473.051	125.713	250.578	304.059	440.687	621.049	720.445	918.315
BNGD00247	VF-F Sand	236.615	462.066	86.298	230.054	289.334	432.133	615.742	716.261	916.098
BNGD00252	VF-F Sand	165.525	279.67	86.505	143.918	173.801	252.928	360.795	422.873	565.414
BNGD00256	VF-F Sand	245.047	524.263	82.539	277.409	347.746	508.673	702.535	800.096	972.175
BNGD00261	VF-F Sand	181.995	261.622	92.432	137.293	163.538	235.058	334.568	392.444	526.019
BNGD00266	VF-F Sand	153.024	304.371	70.893	138.264	170.382	258.816	392.77	478.342	697.767
BNGD00271	M-C Sand	12.307	171.78	2.714	5.649	9.822	43.576	255.034	413.781	730.469
BNGD00302	Mud	11.866	44.493	3.189	6.372	9.519	23.349	52.052	72.211	138.137
BNGD00306	Mud	6.237	30.714	2.06	3.197	4.234	8.991	26.728	47.224	118.487
BNGD00309	Mud	10.338	22.877	3.088	5.989	8.543	17.028	30.784	39.662	63.182
BNGD00311	VF-F Sand	126.807	178.231	73.401	102.037	118.909	163.844	224.05	258.217	336.496
BNGD00314	VF-F Sand	6.139	49.799	2.119	3.301	4.365	8.442	17.679	27.586	353.581
BNGD00314.5	Mud	8.718	49.478	2.64	4.65	6.475	13.706	32.24	54.247	207.961
BNGD00315	VF-F Sand	109.109	153.137	69.155	95.038	108.885	144.109	189.412	214.678	272.449
BNGD00320	VF-F Sand	271.799	379.94	153.914	216.026	251.869	347.528	477.238	551.978	727.689
BNGD00324	Mud	26.056	111.069	6.088	18.326	27.522	59.291	152.333	223.742	382.671
BNGD00326	VF-F Sand	131.668	538.017	43.847	292.629	365.34	530.788	727.247	823.032	985.86
BNGD00326.5	Mud	13.532	81.148	3.313	7.271	11.706	29.443	69.845	113.362	402.141
BNGD00330	VF-F Sand	227.423	380.183	128.057	200.233	239.533	343.887	486.627	569.901	766.454
BNGD00334.5	Mud	12.202	58.899	2.625	7.123	12.01	31.741	65.317	87.704	164.368
BNGD00338	VF-F Sand	184.907	328.059	104.377	175.217	209.913	300.035	420.53	489.269	647.807
BNGD00340	VF-F Sand	248.023	446.633	137.62	230.329	278.499	407.412	585.359	686.562	895.851
BNGD00344	VF-F Sand	189.392	363.817	70.384	170.004	215.404	327.662	478.021	565.916	774.003
BNGD00349	VF-F Sand	208.703	310.728	98.274	162.512	195.109	280.759	397.679	465.649	625.27
BNGD00353	VF-F Sand	238.75	474.26	105.147	262.415	312.914	442.74	616.08	713.01	910.88
BNGD00358	VF-F Sand	258.971	391.746	116.96	206.404	247.932	355.808	502.756	588.64	790.233
BNGD00363	VF-F Sand	219.788	382.315	93.154	198.381	241.302	349.415	493.425	576.603	771.793
BNGD00367	VF-F Sand	137.153	198.008	79.885	111.413	129.671	178.649	246.496	286.822	386.873
BNGD00371	VF-F Sand	216.932	454.237	83.926	216.893	274.575	419.661	611.496	716.659	921.189
BNGD00376	VF-F Sand	211.142	380.518	103.796	188.787	230.724	341.109	493.985	584.23	796.261
BNGD00502	Mud	14.766	37.196	3.826	9.028	13.95	29.179	51.52	65.153	99.273
BNGD00506	Mud	10.367	50.052	2.743	5.079	7.506	22.696	72.943	104.296	180.078
BNGD00511	VF-F Sand	13.722	33.661	3.603	8.391	12.764	26.228	46.261	58.632	90.112
BNGD00512	Peat	10.314	67.553	2.611	5.002	7.769	24.392	62.913	93.496	299.89
BNGD00514	VF-F Sand	9.494	26.406	2.726	5.269	7.694	16.455	31.844	42.861	82.113
BNGD00517	Mud	9.912	94.934	2.484	4.82	7.529	21.891	105.044	207.764	443.548
BNGD00520	VF-F Sand	107.788	279.827	42.345	145.154	177.728	259.305	365.853	425.305	556.905
BNGD00524	Mud	211.857	421.152	91.396	210.789	259.831	385.049	553.425	649.967	861.104
BNGD00529	VF-F Sand	236.671	432.254	173.837	259.634	300.234	403.877	541.131	620.173	805.133
BNGD00534	VF-F Sand	225.958	321.271	124.55	179.796	211.066	294.309	406.826	471.018	617.297
BNGD00537	VF-F Sand	217.335	423.825	95.582	208.78	258.002	385.762	559.657	659.022	872.079

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGD00541	VF-F Sand	248.741	522.332	89.998	287.371	348.72	500.685	691.805	790.098	966.119
BNGD00546	VF-F Sand	296.839	534.908	122.174	306.289	364.906	512.788	699.685	795.887	968.615
BNGD00550	VF-F Sand	175.042	311.864	123.924	188.153	218.682	295.333	392.694	445.966	562.983
BNGD00555	VF-F Sand	251.712	482.39	118.471	258.71	312.76	451.094	633.906	733.963	929.069
BNGD00558	VF-F Sand	247.35	454.73	106.802	238.897	290.623	421.475	595.262	692.976	896.441
BNGD01002	Mud	8.633	43.945	2.283	4.443	7.079	19.439	39.151	52.421	113.575
BNGD01006	Mud	7.252	27.57	2.281	3.715	5.068	11.675	29.293	42.798	92.85
BNGD01011	Mud	8.198	44.279	2.416	4.355	6.167	13.252	32.267	52.54	146.94
BNGD01015	VF-F Sand	156.931	223.284	84.972	120.787	142.462	201.725	283.73	331.129	440.021
BNGD01017	Mud	8.865	29.304	2.351	4.47	7.016	18.853	38.354	51.065	90.76
BNGD01021	Mud	7.149	23.554	2.052	3.958	6.08	15.853	32.818	43.929	73.757
BNGD01026	Mud	7.53	28.468	2.321	4.002	5.6	12.166	26.084	36.705	73.788
BNGD01029	VF-F Sand	151.543	235.707	68.342	122.692	148.412	215.285	304.961	355.844	470.217
BNGD01034	VF-F Sand	175.733	328.03	66.218	179.41	215.969	306.471	422.894	487.438	631.259
BNGD01038	VF-F Sand	302.293	425.173	164.382	237.896	279.256	389.085	538.62	625.237	824.156
BNGD01043	VF-F Sand	230.362	403.064	100.979	220.383	263.499	372.249	516.102	598.582	790.318
BNGD01046	VF-F Sand	187.672	396.073	62.48	186.813	235.635	357.867	524.861	622.567	841.593
BNGD01502	Mud	7.371	16.411	2.435	4.107	5.578	10.854	20.855	28.107	49.643
BNGD01506	Mud	13.989	54.987	3.36	7.922	12.95	32.458	62.228	81.08	139.718
BNGD01511	Mud	3.716	38.4	1.337	2.148	2.76	5.477	17.672	32.266	241.165
BNGD01515	Mud	15.335	60.522	3.485	9.753	15.966	38.642	85.31	116.476	191.279
BNGD01521	Stiff Mud	7.068	19.626	2.2	3.757	5.325	12.555	26.667	35.556	58.536
BNGD01524	Stiff Mud	9.196	26.438	2.467	4.66	7.271	19.972	38.018	48.456	74.264
BNGD01529	Stiff Mud	14.788	47.835	3.455	8.304	14.269	37.338	69.031	87.304	131.227
BNGD01534	Stiff Mud	8.505	31.842	2.338	4.331	6.594	17.059	34.75	46.309	86.498
BNGD01540	VF-F Sand	17.504	117.041	3.109	10.071	24.559	108.137	174.402	210.48	294.163
BNGD01541	Stiff Mud	14.545	41.149	3.621	8.51	13.684	31.481	57.877	73.829	113.452
BNGD02002	Mud	18.064	54.629	4.529	11.128	17.317	38.878	75.268	98.973	160.629
BNGD02006	Mud	9.219	56.679	2.302	4.616	7.59	22.493	53.388	80.586	225.922
BNGD02010	VF-F Sand	49.92	141.684	12.56	55.212	78.35	127.915	191.963	228.874	315.129
BNGD02011	Mud	5.256	12.266	2.058	3.027	3.807	6.538	12.005	16.852	50.745
BNGD02015	Mud	20.846	53.604	5.217	14.271	21.96	42.955	73.014	91.611	139.745
BNGD02020	Stiff Mud	5.974	11.013	2.237	3.442	4.442	7.918	14.144	18.455	30.714
BNGD02024	Stiff Mud	6.764	17.479	2.138	3.506	4.863	11.016	24.352	33.045	54.148
BNGD02027	VF-F Sand	169.065	310.274	100.221	169.292	202.082	286.678	398.222	460.811	601.015
BNGD02032	VF-F Sand	176.962	268.848	85.098	129.435	156.485	233.165	345.875	413.885	577.961
BNGD02037	VF-F Sand	195.66	333.209	80.601	167.598	207.057	305.067	432.692	504.885	671.352
BNGD02041	VF-F Sand	219.48	322.791	91.441	165.928	203.773	298.377	419.047	485.549	632.954
BNGD02046	VF-F Sand	293.303	410.256	131.641	216.408	261.123	375.417	526.572	613.183	812.388
BNGD02050	VF-F Sand	221.125	353.401	83.43	158.733	202.556	315.1	465.519	552.707	758.692
BNGD02056	VF-F Sand	237.87	335.43	108.649	184.403	220.844	312.381	429.527	494.123	636.788
BNGD02502	Mud	10.143	32.102	3.066	5.979	8.373	16.108	29.192	38.311	68.546

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGD02506	Mud	11.396	34.691	3.06	6.252	9.409	21.946	45.532	62.015	110.106
BNGD02509	Peat	12.471	50.364	3.13	6.401	10.147	29.177	62.452	84.479	159.68
BNGD02511	Mud	8.373	37.019	2.372	4.237	6.211	15.763	35.689	52.175	183.802
BNGD02515	VF-F Sand	131.679	263.287	70.182	135.78	164.779	240.355	341.914	399.567	529.329
BNGD02520	VF-F Sand	268.232	363.537	146.225	202.114	236.414	329.762	457.58	531.288	703.632
BNGD02524	VF-F Sand	177.708	237.187	102.555	138.963	160.611	218.212	295.608	339.786	441.807
BNGD02527	Stiff Mud	8.64	22.745	2.592	4.701	6.715	14.536	28.886	38.807	68.96
BNGD02532	Stiff Mud	10.002	30.827	2.649	5.341	8.203	19.998	41.931	56.616	96.189
BNGD02535	Mud	17.172	68.414	4.037	9.799	16.17	42.456	90.71	125.019	227.885
BNGD03202	Mud	8.658	23.133	2.357	4.813	7.362	15.871	30.813	40.926	69.02
BNGD03206	VF-F Sand	184.901	338.794	98.919	168.237	204.751	302.708	438.051	517.248	706.217
BNGD03211	VF-F Sand	287.776	404.283	142.907	216.111	257.625	367.357	515.965	602.066	802.148
BNGD03215	VF-F Sand	374.072	431.03	218.737	271.755	305.745	397.669	521.42	592.551	761.124
BNGD03217	Stiff Mud	9.855	60.324	2.255	5.073	8.902	27.047	62.367	85.869	174.926
BNGD03220	VF-F Sand	170.21	243.509	84.974	127.631	152.365	219.234	311.482	364.912	488.384
BNGD03224	VF-F Sand	117.991	157.579	70.649	95.228	109.52	146.918	195.808	223.079	284.756
BNGD03229	VF-F Sand	164.436	216.842	96.685	128.842	148.071	199.293	268.319	308.02	401.754
BNGD03234	VF-F Sand	206.898	397.974	116.612	209.223	251.909	362.373	512.366	599.986	804.356
BNGD03238	VF-F Sand	333.996	458.325	175.394	252.503	297.572	419.36	586.963	682.928	887.183
BNGD03243	VF-F Sand	350.732	459.93	212.858	281.364	321.417	427.18	569.032	650.618	837.598
BNGD03247	VF-F Sand	370.565	489.517	204.969	280.328	326.356	451.793	623.49	719.92	915.458
BNGD03252	VF-F Sand	260.555	385.956	122.858	193.268	234.346	345.126	498.711	588.873	799.068
BNGD03256	VF-F Sand	329.881	431.495	193.307	256.614	294.547	396.061	534.837	615.934	806.877
BNGD03261	VF-F Sand	260.176	387.374	133.316	205.385	244.256	348.645	494.515	580.841	785.655
BNGD03266	VF-F Sand	350.04	486.111	192.484	275.54	322.973	450.131	622.991	719.918	916.079
BNGD03271	VF-F Sand	175.073	265.575	91.872	133.828	158.865	229.173	333.802	399.572	570.855
BNGD03702	Mud	6.041	84.347	1.856	2.748	4.133	11.662	30.584	73.987	577.116
BNGD03703	VF-F Sand	106.835	165.288	55.502	81.133	96.918	141.466	207.467	248.794	358.41
BNGD03705	Mud	16.318	58.228	3.959	9.656	15.693	36.371	69.335	91.657	164.897
BNGD03706	VF-F Sand	125.761	211.727	48.813	92.723	120.28	190.874	282.057	332.956	447.233
BNGD03711	VF-F Sand	296.963	404.758	143.889	222.72	264.362	371.642	513.773	595.056	783.909
BNGD03715	VF-F Sand	275.051	382.341	140.885	198.913	235.409	337.969	486.575	576.142	788.806
BNGD03720	M-C Sand	275.611	398.545	122.468	199.023	242.143	357.191	516.622	610.071	823.995
BNGD03724	M-C Sand	332.997	461.462	152.607	243.281	293.098	423.86	599.975	698.965	902.555
BNGD03727	M-C Sand	339.008	467.811	156.186	246.511	296.841	429.843	609.411	709.846	912.359
BNGD03730	M-C Sand	305.761	435.106	135.257	226.122	273.61	397.014	564.074	659.982	868.82
BNGD03732	M-C Sand	342.1	485.331	146.426	251.793	307.534	451.529	639.953	741.463	935.11
BNGD03735	M-C Sand	203.979	315.478	90.093	136.648	168.259	263.242	410.836	503.208	730.88
BNGD03740	VF-F Sand	256.43	360.786	129.374	180.56	213.785	310.182	458.383	552.127	781.227
BNGD03741	M-C Sand	258.949	353.895	137.458	188.643	221.147	312.599	445.271	525.539	721.828
BNGD03744	VF-F Sand	266.868	320.209	144.167	186.705	214.727	292.359	398.217	458.178	592.388
BNGD03746	Mud	13.152	68.599	2.798	7.651	14.215	35.736	67.453	89.126	195.534

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGD03749	M-C Sand	239.128	393.896	81.234	192.918	238.009	354.666	515.707	610.213	826.085
BNGD03753	VF-F Sand	174.27	311.209	61.127	114.857	153.282	264.781	420.921	512.231	730.11
BNGD04202	Mud	9.039	62.987	2.268	4.464	7.199	19.762	54.808	92.746	290.475
BNGD04203	VF-F Sand	95.457	177.861	48.641	86.866	106.599	159.285	232.021	274.128	370.71
BNGD04208	VF-F Sand	188.18	245.71	107.872	145.089	167.46	226.988	306.14	350.727	452.078
BNGD04212	VF-F Sand	122.272	319.153	47.738	179.104	212.627	296.934	407.312	469.97	615.489
BNGD04217	VF-F Sand	173.032	238.978	104.31	142.871	165.023	222.962	298.814	340.973	434.773
BNGD04221	M-C Sand	301.666	411.402	152.872	226.7	267.802	375.916	521.672	605.815	801.191
BNGD04226	VF-F Sand	230.98	266.207	132.959	167.342	189.327	248.215	325.244	367.73	461.104
BNGD04228	Mud	10.642	45.113	2.549	5.698	9.316	23.627	51.309	73.792	162.605
BNGD04232	M-C Sand	380.325	490.585	199.397	274.114	321.478	451.555	628.825	727.205	922.811
BNGD04237	M-C Sand	178.87	478.943	78.494	229.781	295.132	452.033	649.324	753.085	945.042
BNGD04238	VF-F Sand	261.07	331.804	133.444	176.562	205.667	289.626	413.802	489.895	679.312
BNGD04241	VF-F Sand	208.822	253.486	110.877	145.032	167.554	230.177	316.359	365.661	477.241
BNGD04244	VF-F Sand	256.476	308.487	137.878	178.915	206.132	281.651	384.757	442.942	572.248
BNGD04249	VF-F Sand	270.192	351.502	144.294	196.775	229.719	319.488	441.531	511.269	672.46
BNGD04253	VF-F Sand	303.269	432.653	148.436	224.009	268.754	390.861	560.773	658.669	870.222
BNGD04258	VF-F Sand	269.513	360.016	140.134	192.299	225.922	320.087	453.759	533.144	724.417
BNGD04263	M-C Sand	272.935	351.415	153.131	204.137	235.658	320.507	435.587	502.038	660.135
BNGD04267	VF-F Sand	247.653	342.283	125.436	187.357	222.084	313.387	434.934	503.749	661.136
BNGD04271	VF-F Sand	270.109	401.847	112.568	200.031	245.551	363.106	522.484	615.29	827.181
BNGD04276	VF-F Sand	202.646	274.697	109.466	153.234	179.404	250.182	346.903	402.39	529.18
BNGD04278	VF-F Sand	200.59	273.047	105.082	147.244	173.354	245.12	345.308	403.864	541.148
BNGD04279	VF-F Sand	181.976	257.459	91.082	135.353	161.333	231.672	328.791	385.113	515.776
BNGD04702	Mud	7.55	24.038	1.679	3.068	13.115	24.535	34.938	39.929	49.485
BNGD04703	VF-F Sand	149.228	215.493	76.141	116.244	138.35	196.779	275.374	320.103	421.655
BNGD04708	VF-F Sand	177.801	200.593	106.636	131.997	147.735	188.8	241.289	270.137	334.72
BNGD04712	VF-F Sand	151.477	221.841	77.016	110.703	132.117	193.095	282.579	336.928	469.808
BNGD04717	VF-F Sand	313.956	396.998	182.367	239.696	274.245	365.864	488.372	558.9	726.676
BNGD04721	VF-F Sand	233.078	341.994	108.504	164.903	200.98	301.687	442.531	524.756	719.915
BNGD04726	Mud	7.866	38.278	2.219	3.924	5.808	14.843	34.494	51.924	194.727
BNGD04730	Mud	14.971	120.26	3.018	7.508	14.4	67.567	193.763	256.49	389.532
BNGD04732	VF-F Sand	257.99	358.661	136.424	194.996	229.959	324.44	453.784	528.656	704.973
BNGD04737	VF-F Sand	213.802	377.623	110.128	193.265	234.397	341.516	487.14	572.108	772.346
BNGD04741	VF-F Sand	245.444	385.04	104.842	180.307	224.481	343.111	506.093	600.887	817.384
BNGD04746	M-C Sand	265.567	447.92	113.893	220.133	274.116	411.824	594.027	695.392	901.881
BNGD04750	VF-F Sand	238.599	431.041	85.813	193.582	253.057	396.375	580.366	682.685	893.252
BNGD04755	VF-F Sand	218.326	381.706	85.292	183.767	230.667	347.258	500.413	588.221	791.314
BNGD04761	VF-F Sand	232.837	431.469	104.766	198.218	251.305	391.377	579.548	684.619	897.819
BNGD05202	Mud	9.307	63.46	2.125	4.679	8.949	26.863	61.867	85.494	206.117
BNGD05203	VF-F Sand	97.376	250.629	33.206	93.501	137.537	230.353	342.029	403.824	542.16
BNGD05208	Mud	10.409	33.512	2.93	5.449	7.959	19.477	43.795	60.684	110.2

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGD05209	VF-F Sand	179.383	249.466	90.285	134.895	160.55	228.639	319.417	370.255	482.733
BNGD05214	VF-F Sand	256.005	342.057	138.635	192.536	225.065	312.537	430.585	497.814	652.058
BNGD05218	VF-F Sand	348.075	419.153	187.737	243.489	280.06	380.903	519.666	599.953	787.226
BNGD05223	VF-F Sand	300.823	392.487	173.667	230.485	265.034	358.063	485.611	560.343	740.271
BNGD05227	VF-F Sand	348.128	417.479	189.7	243.886	279.673	378.878	516.27	596.019	783.012
BNGD05229	Mud	6.993	32.783	2.06	3.451	4.977	12.757	31.04	45.37	100.155
BNGD05234	Mud	7.493	34.492	2.258	3.732	5.225	12.678	34.535	54.048	129.741
BNGD05235	VF-F Sand	145.013	253.797	57.446	125.861	155.642	230.799	330.857	388	519.122
BNGD05240	VF-F Sand	207.242	366.759	85.946	179.317	221.99	330.627	477.28	562.972	766.259
BNGD05244	VF-F Sand	243.464	346.374	129.069	193.186	227.449	317.275	437.883	507.056	668.297
BNGD05249	VF-F Sand	153.04	350.202	45.169	138.26	195.773	317.356	472.029	561.551	772.58
BNGD05252.5	Mud	7.562	41.359	2.235	3.842	5.434	13.224	33.321	50.88	163.157
BNGD05256	M-C Sand	243.755	465.229	78.791	201.835	271.404	436.071	639.871	746.206	942.001
BNGD05702	VF-F Sand	107.496	149.762	62.703	85.942	99.769	136.739	186.801	215.724	284.432
BNGD05706	VF-F Sand	176.822	237.907	92.54	129.212	152.267	215.51	302.174	351.612	463.352
BNGD05711	VF-F Sand	152.86	181.425	85.224	108.497	123.59	164.947	221.732	254.788	334.084
BNGD05715	VF-F Sand	218.633	303.604	112.653	163.485	193.762	275.337	386.317	449.859	595.497
BNGD05720	VF-F Sand	277.771	323.125	157.087	199.816	227.122	300.344	396.523	449.763	567.583
BNGD05724	VF-F Sand	423.125	499.805	234.121	298.359	340.951	459.516	623.436	716.345	909.214
BNGD05726.5	Mud	10.774	47.684	2.588	5.9	9.527	23.542	48.382	66.719	159.494
BNGD05727	VF-F Sand	254.753	354.757	122.129	200.695	237.611	330.882	451.05	517.683	665.909
BNGD05731	Mud	260.038	306.297	143.358	184.417	211.173	283.821	379.828	432.617	546.441
BNGD05737	Mud	6.809	47.868	2.119	3.39	4.626	10.417	37.21	78.36	204.612
BNGD05738	VF-F Sand	163.849	236.77	81.612	122.356	146.221	211.238	302.193	355.767	482.938
BNGD05743	VF-F Sand	208.458	328.306	95.955	164	201.082	297.393	425.113	497.713	666.244
BNGD05747	VF-F Sand	172.927	249.458	81.723	122.481	148.434	221.217	323.127	381.939	516.765
BNGD05752	VF-F Sand	182.769	282.44	83.977	127.931	156.511	240.051	365.302	441.722	630.195
BNGD05756	VF-F Sand	218.421	351.797	90.376	153.312	193.504	305.682	464.688	559.205	782.116
BNGD05761	VF-F Sand	200.597	321.053	86.421	135.215	168.858	270.225	423.167	515.984	740.073
BNGD06202	Mud	16.863	83.314	3.919	9.56	15.09	42.487	122.78	168.602	280.71
BNGD06206	Mud	13.118	33.01	3.715	7.494	10.925	23.596	45.617	59.614	94.759
BNGD06211	VF-F sand	19.598	86.788	4.734	11.391	18.117	48.097	105.212	146.416	301.018
BNGD06214	VF-F Sand	88.878	149.845	46.149	68.513	82.342	122.097	183.474	223.842	343.276
BNGD06218	VF-F Sand	135.812	198.372	60.377	80.967	97.328	168.419	284.143	334.083	421.143
BNGD06221	VF-F Sand	197.143	261.622	119.769	162.732	186.606	247.563	324.925	366.999	458.403
BNGD06226	VF-F Sand	133.907	156.659	75.382	95.944	109.146	144.727	191.984	218.531	278.857
BNGD06230	VF-F Sand	153.77	224.035	78.514	111.088	132.338	193.992	285.937	341.778	476.643
BNGD06235	VF-F Sand	147.668	218.968	71.292	106.644	128.833	191.706	282.245	335.886	462.983
BNGD06240	Mud	8.624	41.167	2.138	4.346	7.744	19.241	40.978	55.855	108.095
BNGD06243	Mud	19.665	168.912	3.571	11.892	25.369	122.257	268.974	340.079	496.952
BNGD06249	VF-F Sand	206.455	293.505	99.275	153.637	184.536	266.406	376.505	439.193	582.459
BNGD06253	VF-F Sand	167.503	266.248	72.95	118.819	147.319	228.562	347.194	418.287	590.267

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGD06258	VF-F Sand	139.742	290.744	47.378	110.971	155.095	260.783	393.103	467.558	640.469
BNGD06263	VF-F Sand	239.187	413.65	90.844	179.557	232.986	372.25	558.723	663.685	881.974
BNGD06264	VF-F Sand	226.678	381.709	99.58	176.623	221.042	338.972	502.162	598.185	818.672
BNGD06702	Mud	9.761	25.627	2.741	5.455	8.052	17.68	34.572	45.494	74.242
BNGD06706	peat	17.674	103.725	4.216	9.355	15.477	44.444	100.391	153.02	501.799
BNGD06708	Mud	11.288	39.931	3.12	6.319	9.307	20.454	41.211	56.333	111.469
BNGD06709	VF-F Sand	207.477	261.405	122.956	162.016	185.163	245.539	323.306	365.907	459.011
BNGD06714	VF-F Sand	233.857	274.099	131.468	167.298	190.331	252.682	336.236	383.45	490.682
BNGD06718	VF-F Sand	299.402	346.845	171.353	216.258	244.935	321.92	423.556	480.275	607.791
BNGD06723	VF-F Sand	237.714	300.715	136.34	181.082	208.163	279.706	373.378	425.411	541.39
BNGD06727	VF-F Sand	268.112	366.812	143.076	202.022	237.273	332.571	462.915	538.25	715.048
BNGD06731	VF-F Sand	256.346	371.916	143.723	208.877	245.222	341.332	470.212	543.668	713.524
BNGD06732	Mud	15.508	44.574	3.985	10.094	15.225	29.67	51.286	65.278	106.077
BNGD06735	Mud	5.667	42.069	2.047	3.117	4.049	7.583	15.066	21.56	273.87
BNGD06740	Mud	7.95	73.424	2.111	4.205	6.576	20.064	79.601	138.04	314.513
BNGD06740.5	VF-F Sand	28.959	198.208	4.765	23.689	92.889	190.418	287.147	338.887	450.698
BNGD06741	VF-F Sand	135.446	315.444	109.544	183.221	215.488	296.582	400.678	458.348	587.537
BNGD06746	M-C Sand	197.59	400.604	106.557	183.509	228.313	353.906	533.876	638.478	862.823
BNGD06750	M-C Sand	196.471	461.234	114.628	215.167	272.359	424.855	625.255	731.953	932.42
BNGD06755	M-C Sand	247.623	435.553	104.357	201.421	255.692	396.47	584.359	688.913	900.324
BNGD06756	VF-F Sand	259.395	346.986	140.321	195.954	229.11	317.886	437.176	504.823	658.682
BNGD07202	Mud	11.471	46.543	2.906	6.46	10.009	23.386	46.431	62.048	115.166
BNGD07203	VF-F Sand	116.124	164.403	58.545	77.054	89.675	126.769	185.777	227.53	398.77
BNGD07208	VF-F Sand	189.048	245.597	98.76	136.915	160.819	225.265	311.08	358.917	464.471
BNGD07208.5	Stiff Mud	9.591	37.963	2.763	4.888	6.953	17.204	46.22	69.457	145.808
BNGD07209	Mud	12.784	44.321	3.5	7.747	11.265	22.485	41.857	56.16	114.833
BNGD07212	Mud	17.944	79.478	4.283	11.256	17.376	38.683	90.538	141.98	309.802
BNGD07214	VF-F Sand	237.879	312.147	126.432	174.982	205.012	286.155	394.833	455.701	590.819
BNGD07218	VF-F Sand	293.232	354.981	155.749	204.532	236.366	323.76	442.205	509.347	661.857
BNGD07223	VF-F Sand	274.073	367.624	144.055	199.816	234.799	330.842	463.776	541.187	724.273
BNGD07227	VF-F Sand	257.226	328.98	148.776	198.741	228.591	306.797	408.507	464.841	590.488
BNGD07232	VF-F Sand	21.553	109.13	4.913	14.612	22.851	48.481	113.501	207.035	452.324
BNGD07237	Mud	16.074	48.896	3.879	10.455	16.48	33.808	60.105	77.315	127.53
BNGD07241	Mud	8.721	25.302	2.504	4.591	6.712	15.702	32.988	44.854	79.158
BNGD07244	Stiff Mud	11.557	44.8	3.026	6.261	9.818	23.107	45.133	60.705	122.879
BNGD07247	VF-F Sand	184.262	262.477	80.345	138.455	167.938	242.928	339.794	393.088	508.615
BNGD07250	Mud	11.195	68.219	2.904	5.581	8.479	23.947	68.893	112.146	291.553
BNGD07252	Stiff Mud	7.498	23.406	2.405	3.984	5.428	11.576	25.833	36.724	71.109
BNGD07702	Mud	17.219	63.831	3.99	10.599	18.165	41.323	73.976	94.925	161.411
BNGD07705	VF-F Sand	144.888	202.86	73.434	105.438	125.345	180.284	257.384	302.913	412.882
BNGD07706	Peat	15.184	71.833	3.738	8.036	13.137	35.39	72.947	101.187	277.909
BNGD07708	VF-F Sand	148.143	236.488	52.392	95.726	127.958	211.427	317.42	376.747	511.535

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGD07709	Mud	8.148	28.114	2.541	4.373	6.052	12.811	27.585	39.536	86.175
BNGD07711	VF-F Sand	89.075	167.353	35.07	67.381	88.466	145.73	223.878	269.145	375.515
BNGD07712	VF-F Sand	182.439	260.707	94.972	144.812	171.429	241.064	333.046	384.38	497.05
BNGD07717	VF-F Sand	130.65	193.15	66.605	96.19	114.981	168.217	245.667	292.598	408.656
BNGD07721	VF-F Sand	132.528	177.045	76.916	103.622	119.496	161.657	218.388	251.191	330.56
BNGD07726	VF-F Sand	151.519	281.084	66.393	106.511	133.335	218.766	368.27	469.154	724.325
BNGD07730	VF-F Sand	228.196	293.042	131.11	177.542	204.41	274.266	364.565	414.356	524.317
BNGD07735	VF-F Sand	221.072	296.106	119.887	165.484	193.395	269.327	373.283	432.906	569.206
BNGD07737	Mud	9.959	18.333	3.46	6.159	8.118	14.047	23.459	29.665	47.322
BNGD07740	Stiff Mud	6.368	18.493	2.159	3.479	4.661	9.195	18.43	25.605	53.886
BNGD07741	VF-F Sand	182.875	219.604	98.5	128.113	147.474	200.733	272.945	313.876	406.168
BNGD07743	Stiff Mud	6.848	72.679	2.03	3.477	4.957	12.679	40.081	73.966	503.648
BNGD07744	Mud	6.847	69.304	2.09	3.469	4.836	11.17	31.315	57.908	496.664
BNGD07747	VF-F Sand	79.579	175.69	36.143	68.719	86.837	137.575	216.449	270.353	447.223
BNGD08202	Mud	3.076	8.328	1.534	1.841	2.084	3.226	11.573	15.919	28.837
BNGD08206	Mud	8.807	50.23	2.294	4.374	6.865	19.313	46.052	66.402	169.03
BNGD08208	Peat	21.057	91.876	5.083	12.506	20.741	47.759	92.286	129.846	384.747
BNGD08211	Mud	11.96	49.549	2.956	6.964	10.861	24.351	46.757	62.196	120.036
BNGD08212	VF-F sand	185.909	279.724	60.756	147.942	182.507	263.43	364.055	418.602	536.02
BNGD08217	VF-F sand	225.207	290.187	125.23	167.391	193.605	264.675	361.424	416.995	546.339
BNGD08221	VF-F sand	324.507	399.851	169.743	223.244	258.783	358.535	499.183	582.084	778.456
BNGD08226	VF-F sand	272.97	355.013	146.024	201.148	234.856	325.367	446.496	514.817	669.86
BNGD08230	VF-F sand	247.322	332.229	134.42	191.457	223.57	307.873	418.932	480.972	619.007
BNGD08235	M-C Sand	378.311	458.64	201.002	262.649	303.3	416.63	574.934	666.522	867.871
BNGD08238	Mud	6.525	12.308	2.213	3.787	5.21	9.567	16.28	20.574	32.074
BNGD08240	Mud	6.461	41.83	2.039	3.186	4.39	10.239	27.913	49.119	189.003
BNGD08241	Mud	9.796	43.078	2.54	5.075	7.899	21.023	45.727	62.164	113.973
BNGD08243.5	M-C Sand	132.767	252.189	56.838	85.435	106.035	178.467	331.472	439.962	707.588
BNGD08244	Mud	9.528	45.364	2.515	4.795	7.247	19.694	51.163	73.365	140.775
BNGD08245	VF-F sand	224.269	334.84	101.922	152.476	186.243	286.106	435.734	526.234	743.979
BNGD08246	VF-F sand	185.541	227.452	98.158	128.194	148.125	204.066	282.841	329.102	438.401
BNGD08249	VF-F sand	275.767	340.632	142.899	189.864	220.815	306.986	426.291	495.098	654.591
BNGD08250	Mud	3.706	9.918	1.627	2.012	2.347	5.947	14.348	18.979	31.47
BNGD08255	Mud	6.9	44.082	2.018	3.433	5.008	12.685	32.864	51.293	187.865
BNGD08502	VF-F Sand	66.655	143.989	28.334	61.963	77.233	118.206	177.913	215.785	326.187
BNGD08505	Mud	5.076	66.778	1.853	2.722	3.528	6.821	14.773	25.81	532.916
BNGD08506	VF-F Sand	191.67	222.664	109.109	138.068	156.605	206.457	272.404	309.241	391.997
BNGD08509	Peat	15.003	46.181	4.014	8.262	12.648	29.738	59.641	80.718	147.915
BNGD08510	Peat	15.746	96.425	3.956	8.28	12.876	34.213	94.246	169.538	448.109
BNGD08511	VF-F Sand	173.265	224.446	98.53	132.512	153.03	207.415	279.454	320.077	412.42
BNGD08515	VF-F Sand	237.462	285.484	127.578	165.919	191.186	260.961	355.849	409.286	528.011
BNGD08520	VF-F Sand	248.487	286.9	142.189	179.76	203.711	267.687	351.196	397.137	497.659

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGD08524	VF-F Sand	192.291	244.151	110.598	147.471	169.505	227.319	302.842	344.915	439.176
BNGD08529	VF-F Sand	258.417	351.879	128.163	189.589	224.969	319.046	446.498	519.87	691.312
BNGD08534	VF-F Sand	245.251	282.037	141.429	178.054	201.395	263.589	344.529	388.886	485.825
BNGD08537	Mud	11.929	27.149	3.781	6.976	9.583	18.509	34.564	45.908	80.547
BNGD08540	Mud	6.79	11.853	2.68	4.101	5.174	8.623	14.471	18.522	31.112
BNGD08541	Mud	8.695	32.208	2.522	4.56	6.641	15.242	31.988	44.614	90.771
BNGD08543	Mud	8.24	23.95	2.459	4.336	6.145	13.997	31.417	44.025	79.51
BNGD08546	Mud	6.098	19.783	2.14	3.384	4.444	8.424	16.807	23.771	58.416
BNGD08547	Mud	5.358	20.821	1.864	2.934	3.861	7.803	20.281	34.177	86.064
BNGD08549	VF-F Sand	166.997	221.613	87.431	121.364	142.592	200.659	280.266	325.957	430.565
BNGD08550	M-C Sand	304.095	411.338	139.129	199.203	240.291	360.591	537.473	641.277	864.555
BNGD08552	M-C Sand	303.948	439.945	136.347	214.622	262.847	396.164	581.551	686.094	898.418
BNGD08555	M-C Sand	345.594	486.948	158.232	255.528	309.488	451.728	640.159	741.928	935.728
BNGD08555.5	Stiff Mud	164.879	392.084	76.457	158.746	210.359	347.126	534.321	641.684	868.678
BNGD08556	Stiff Mud	5.131	41.489	1.885	2.863	3.68	6.77	14.341	24.454	235.37
BNGD08558	stiff mud	7.699	27.857	2.36	4.063	5.691	12.495	27.22	39.348	96.749
BNGD08802	VF-F Sand	68.816	137.434	31.973	57.814	71.738	109.979	166.387	202.505	312.558
BNGD08803	Mud	9.956	24.929	2.719	5.688	8.468	17.958	33.781	44.05	71.331
BNGD08808	Mud	8.894	46.524	2.426	4.541	6.795	17.734	41.639	59.013	124.59
BNGD08809	Peat	15.72	120.95	3.851	8.031	12.537	37.179	130.956	248.578	562.794
BNGD08811	VF-F Sand	162.922	227.566	81.665	120.596	143.352	204.643	289.101	338.418	455.137
BNGD08815	VF-F Sand	181.066	210.261	103.211	130.597	148.051	194.87	256.792	291.502	370.18
BNGD08820	VF-F Sand	255.711	347.115	138.854	196.126	229.361	317.956	437.251	505.248	661.233
BNGD08824	VF-F Sand	269.378	343.319	161.834	213.754	243.998	322.56	423.861	479.639	603.268
BNGD08829	VF-F Sand	300.905	393.243	180.381	241.117	275.627	365.577	484.239	551.833	711.488
BNGD08834	VF-F Sand	178.553	233.783	101.009	135.042	155.942	212.572	290.411	335.735	443.349
BNGD08837	Mud	12.93	33.07	3.48	7.741	11.476	23.989	44.857	58.421	94.093
BNGD08841	Mud	5.258	65.283	1.94	2.866	3.709	6.908	13.622	20.675	538.784
BNGD08844	Mud	9.958	61.554	2.5	5.015	7.9	23.129	56.077	79.507	201.515
BNGD08846	M-C Sand	306.516	459.29	129.829	230.037	282.105	420.312	608.541	712.842	917.731
BNGD08847	VF-F Sand	226.67	314.821	120.646	168.882	199.024	282.51	399.007	466.767	624.795
BNGD08850	VF-F Sand	327.068	460.353	167.752	255.546	301.941	424.14	590.195	684.986	887.13
BNGD08852	M-C Sand	229.265	490.646	92.226	228.819	299.58	466.038	669.326	773.033	958.145
BNGD08853	Mud	8.261	91.054	2.232	3.962	5.823	16.257	108.216	181.79	434.133
BNGD08856	Stiff Mud	5.81	34.366	1.9	2.869	3.824	8.85	31.334	60.494	169.554
BNGD08861	Mud	9.328	83.185	2.317	4.659	7.391	20.681	85.475	153.45	386.444
BNGD08866	Stiff Mud	4.829	72.164	1.78	2.484	3.181	6.681	16.975	36.645	559.161
BNGD09102	Mud	7.814	40.967	2.253	3.967	5.816	14.076	32.036	46.29	116.149
BNGD09108	Mud	11.89	61.711	2.992	6.137	9.529	25.518	74.052	122.115	250.136
BNGD09109	Peat	15.231	92.647	3.535	7.534	12.542	44.834	120.384	170.836	332.399
BNGD09112	VF-F sand	31.297	121.298	6.265	25.88	54.326	102.469	163.921	201.692	303.519
BNGD09114	VF-F sand	274.353	374.832	134.778	200.943	239.142	340.305	476.514	554.847	738.553

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGD09118	VF-F sand	253.395	341.162	133.25	185.544	218.179	307.67	431.009	502.256	668.512
BNGD09123	VF-F sand	194.859	228.285	110.103	139.506	158.451	209.87	279.179	318.725	410.071
BNGD09127	VF-F sand	230.451	273.371	125.987	162.54	186.49	251.994	339.645	388.29	494.476
BNGD09132	VF-F sand	333.853	403.145	179.163	233.436	268.807	366.267	499.882	577.007	757.364
BNGD09137	Mud	9.254	38.165	2.883	5.4	7.435	14.076	25.829	34.604	75.674
BNGD09141	Stiff Mud	9.766	40.859	2.622	4.87	7.388	21.28	44.002	57.534	98.105
BNGD09144	M-C Sand	276.67	438.815	115.309	190.346	240.714	390.411	602.145	715.372	925.768
BNGD09146	Stiff Mud	0	0	0	0	0	0	0	0	0
BNGD09149	Stiff Mud	184.179	393.738	84.244	158.467	204.528	339.959	541.514	656.617	886.953
BNGD09150	Stiff Mud	3.58	9.611	1.634	1.988	2.289	4.811	13.862	18.448	31.302
BNGD09155	Stiff Mud	4.51	24.602	1.699	2.185	2.679	8.58	22.627	38.013	127.871
BNGD09158	VF-F sand	238.423	380.097	94.141	142.189	179.954	314.547	531.103	650.519	884.392
BNGD09161	Stiff Mud	1.529	1.761	0.625	1.249	1.375	1.697	2.115	2.346	2.838
BNGD09402	Mud	9.894	48.866	2.433	4.727	7.467	27.251	74.64	100.529	160.585
BNGD09406	Mud	8.307	38.685	2.332	4.234	6.237	15.847	36.271	51.643	110.423
BNGD09408.5	Peat	10.875	86.392	2.734	5.312	8.18	24.759	82.79	146.137	424.898
BNGD09409	Mud	10.512	50.8	2.766	5.217	7.822	23.216	62.665	86.379	149.878
BNGD09411	VF-F Sand	94.755	181.962	66.152	103.732	122.002	168.872	230.636	265.6	346.184
BNGD09412	Mud	11.344	58.365	2.948	5.628	8.574	25.208	67.714	101.388	217.536
BNGD09415	VF-F Sand	155.203	212.284	93.373	125.892	144.94	195.478	263.549	302.659	394.467
BNGD09420	VF-F Sand	228.322	312.651	121.319	165.043	193.34	273.862	392.032	464.171	643.175
BNGD09427	VF-F Sand	241.08	276.526	139.864	175.332	197.978	258.471	337.301	380.538	474.889
BNGD09432	VF-F Sand	314.43	377.345	170.062	220.385	253.402	344.169	467.528	537.707	699.161
BNGD09434	Stiff Mud	9.228	39.132	2.774	5.213	7.323	14.688	28.73	39.73	91.003
BNGD09435	Mud	7.644	63.486	2.119	3.561	5.341	15.117	49.554	84.07	332.43
BNGD09437	M-C sand	422.64	539.8	236.916	318.979	369.836	507.505	689.087	784.91	961.086
BNGD09440	Stiff Mud	11.734	58.617	2.954	6.369	9.706	24.409	64.026	96.298	197.06
BNGD09443	M-C sand	390.152	526.337	182.273	287.527	345.855	497.507	690.475	789.462	966.079
BNGD09447	M-C sand	350.985	582.816	182.794	335.846	404.957	572.293	765.434	855.355	1002.709
BNGD09605	Mud	6.54	37.693	2.114	3.355	4.578	9.927	24.57	38.689	108.457
BNGD09608	VF-F Sand	267.051	388.948	121.064	188.565	229.814	344.066	506.312	602.054	820.718
BNGD09609	Mud	4.461	68.43	1.566	2.422	3.195	7.045	26.683	65.787	504.961
BNGD09611	VF-F Sand	218.796	252.102	125.697	158.563	179.513	235.444	308.371	348.48	436.05
BNGD09612	Mud	6.462	62.32	2.024	3.124	4.288	10.27	36.646	66.876	397.395
BNGD09614	Stiff Mud	8.362	80.199	2.144	3.796	5.874	21.955	91.918	149.323	348.261
BNGD09615	VF-F Sand	199.923	240.734	107.467	139.435	160.617	219.399	299.935	345.64	447.831
BNGD09617	Mud	8.272	55.896	2.251	4.057	6.124	16.339	44.643	68.789	240.993
BNGD09620	VF-F Sand	156.09	232.552	74.635	112.634	135.675	200.403	296.099	355.459	504.978
BNGD09623	VF-F Sand	136.19	190.791	78.347	106.753	124.071	171.276	237.248	276.546	374.026
BNGD09629	M-C Sand	317.928	439.212	152.885	235.429	281.216	401.717	564.502	657.646	862.301
BNGD09633	M-C Sand	374.454	499.423	191.904	277.149	327.547	463.312	645.793	745.237	936.384
BNGD09637	Stiff Mud	7.707	53.728	2.158	3.7	5.46	14.977	49.639	76.88	193.877

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGD09638	VF-F Sand	139.312	191.986	77.969	106.973	124.718	172.884	239.548	278.84	374.75
BNGD09643.5	M-C Sand	227.388	324.672	110.55	160.273	192.168	282.691	414.434	494.1	689.541
BNGD09802	Mud	88.42	258.041	57.523	119.871	146.84	220.631	330.505	400.206	584.127
BNGD09803	Mud	11.686	83.246	2.603	5.586	9.359	53.583	136.038	172.738	255.271
BNGD09805	VF-F Sand	98.927	220.394	73.03	125.007	147.709	205.459	280.99	323.404	419.169
BNGD09809	Mud	10.59	58.633	2.843	5.282	7.868	21.738	57.976	89.243	238.142
BNGD09811	Mud	5.591	46.702	1.93	2.906	3.76	7.432	24.433	55.878	257.072
BNGD09812	Peat	11.656	144.069	2.897	5.491	8.365	29.551	154.694	336.484	717.866
BNGD09814	Stiff Mud	6.631	15.414	2.344	3.719	4.892	9.124	17.423	23.817	45.717
BNGD09817	Stiff Mud	10.768	119.238	2.694	5.14	7.868	23.972	152.837	267.375	552.363
BNGD09818	Stiff Mud	13.191	95.001	2.923	6.27	10.743	52.59	153.403	202.916	309.853
BNGD09820	M-C Sand	323.97	410.757	164.105	218.102	254.877	361.983	520.712	616.169	833.75
BNGD10002	VF-F Sand	14.219	92.618	2.944	7.169	13.313	63.411	140.742	182.58	285.371
BNGD10003	VF-F Sand	123.77	186.86	61.531	93.804	112.952	165.498	239.594	283.467	388.257
BNGD10005	Mud	5.651	73.799	1.863	2.838	3.875	8.825	23.534	49.375	555.208
BNGD10009	VF-F Sand	157.723	204.752	91.743	121.884	140.254	189.259	254.383	291.073	374.441
BNGD10012	Mud	4.828	78.898	1.755	2.446	3.15	6.918	20.124	87.44	550.36
BNGD10014	Mud	8.01	33.84	2.418	4.113	5.811	13.556	30.455	42.877	88.074
BNGD10020	Mud	7.271	40.264	2.235	3.705	5.167	11.672	28.675	44.572	145.159
BNGD10026	Mud	7.836	40.888	2.333	3.999	5.687	13.373	31.033	44.457	108.282
BNGD10030	M-C Sand	393.253	560.706	138.82	299.686	375.28	549.066	748.046	841.625	996.2
BNGD10035	M-C Sand	147.956	462.22	70.141	142.814	205.662	436.044	684.863	795.403	975.4
BNGD10036	M-C Sand	101.97	281.488	55.481	95.987	120.79	199.435	365.454	503.545	809.849
BNGD10202	Mud	8.815	55.117	2.321	4.396	6.705	18.486	55.372	90.079	223.615
BNGD10206	Mud	7.797	20.228	2.378	4.117	5.824	13.138	26.979	36.202	62.979
BNGD10211	Mud	13.301	92.228	3.149	6.418	10.663	37.22	99.054	158.016	408.17
BNGD10212	Stiff Mud	10.293	22.823	3.051	6.175	8.722	16.719	29.881	38.744	63.794
BNGD10215	Mud	16.951	49.323	4.409	10.156	15.305	34.931	69.868	91.262	142.756
BNGD10217	VF-F Sand	141.609	256.684	88.273	131.245	156.359	225.916	326.372	387.322	537.841
BNGD10223	VF-F Sand	271.097	343.512	155.474	206.51	237.328	318.85	425.914	485.719	621.167
BNGD10226	M-C Sand	340.984	467.897	173.119	252.294	299.522	428.182	605.107	704.712	907.549
BNGD10227	M-C Sand	311.332	397.334	179.235	237.239	272.166	364.958	489.976	562.368	735.836
BNGD10229	Stiff Mud	8.612	65.616	2.202	4.096	6.347	20.558	74.392	117.982	266.244
BNGD10235	Stiff Mud	12.073	53.11	2.889	6.669	10.762	27.72	57.351	76.86	138.783
BNGD10242	Stiff Mud	10.538	49.838	2.782	5.617	8.424	20.491	48.176	69.927	166.455
BNGD10243	M-C Sand	438.24	584.269	183.928	334.624	405.197	573.265	765.747	855.373	1002.567
BNGD10244	Mud	10.99	51.53	2.755	5.747	9.003	24.193	55.46	77.337	151.265
BNGD10249	Stiff Mud	86.13	176.552	46.145	80.416	99.15	150.552	225.537	272.187	395.785
BNGD10251	Stiff Mud	11.327	59.412	2.707	6.088	9.9	25.812	57.571	83.282	209.66
BNGE12402	VF-F Sand	142.127	252.734	74.345	125.475	153.072	226.522	327.514	386.27	523.356
BNGE12403	VF-F Sand	143.31	221.766	69.19	106.234	128.482	190.528	281.629	338.434	485.789
BNGE12408	F-M Sand	186.359	370.945	69.385	162.967	214.548	336.292	493.462	583.718	793.166

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGE12412	VF-F Sand	217.817	398.772	98.507	206.832	252.039	365.385	515.87	602.637	803.436
BNGE12417	VF-F Sand	197.052	358.314	107.467	184.204	221.985	321.506	459.596	541.594	739.739
BNGE12421	VF-F Sand	170.73	335.567	60.866	162.072	207.141	310.16	440.343	513.571	682.349
BNGE12426	VF-F Sand	194.81	348.207	110.152	187.75	224.87	320.131	445.965	517.247	680.935
BNGE12430	M-C Sand	280.547	428.008	100.728	223.086	271.017	392.453	556.161	650.511	858.76
BNGE12432	VF-F Sand	91.117	269.281	27.412	106.59	146.644	239.875	362.582	433.792	602.889
BNGE12434	VF-F Sand	69.869	207.12	24.777	58.33	78.49	146.274	276.125	365.504	599.679
BNGE12702	Mud	11.297	40.928	2.901	6.607	10.3	21.418	39.118	52.364	141.396
BNGE12706	Mud	24.902	142.846	5.376	14.91	24.49	111.563	221.811	278.84	410.097
BNGE12708	VF-F Sand	46.021	275.355	8.369	53.095	125.246	247.118	388.881	469.694	662.697
BNGE12712	VF-F Sand	62.977	193.207	17.376	78.394	106.546	172.411	260.579	311.973	432.252
BNGE12717	VF-F Sand	87.74	350.067	24.808	119.574	183.01	314.144	482.244	580.251	806.396
BNGE12723	VF-F Sand	102.03	296.949	39.424	100.129	132.694	235.477	406.592	513.268	764.737
BNGE12724	VF-F Sand	136.885	421.983	46.391	180.163	249.055	393.314	574.963	676.508	888.21
BNGE12729	M-C Sand	81.236	402.851	20.306	96.175	168.892	367	598.426	715.252	927.733
BNGE12735	VF-F Sand	113.266	431.106	35.84	157.949	238.573	402.835	604.955	713.365	921.192
BNGE12902	Mud	10.295	60.8	2.598	5.18	8.18	22.131	58.339	95.051	252.833
BNGE12906	Mud	31.752	270.267	5.14	25.661	133.077	267.509	392.465	458.157	599.501
BNGE12908	VF-F Sand	139.272	446.784	49.811	215.608	272.755	414.236	601.957	705.965	912.553
BNGE12914	VF-F Sand	144.072	269.402	60.568	134.869	166.859	247.457	352.751	411.62	542.47
BNGE12917	VF-F Sand	154.768	322.802	50.45	170.669	210.3	303.434	420.838	485.621	629.498
BNGE12921	VF-F Sand	302.261	431.865	161.142	236.07	278.575	392.99	551.461	643.678	850.273
BNGE12926	VF-F Sand	236.492	412.421	113.428	207.668	253.117	372.851	538.296	634.728	849.075
BNGE12930	M-C Sand	318.6	535.448	155.132	296.028	357.914	513.253	706.281	803.535	974.32
BNGE12934	VF-F Sand	285.337	423.216	139.311	218.913	263.183	382.361	548.117	644.483	857.168
BNGE13002	Mud	9.737	81.67	2.529	5.008	7.77	19.21	45.659	89.602	491.652
BNGE13005	Mud	8.14	60.636	2.359	4.191	6.064	13.929	31.672	51.177	392.953
BNGE13006	VF-F Sand	37.211	354.99	6.649	26.865	80.815	331.839	536.4	647.96	876.905
BNGE13008	VF-F Sand	58.004	355.314	10.993	79.604	185.862	329.131	498.626	595.531	816.564
BNGE13012	VF-F Sand	93.821	368.591	28.309	114.036	179.407	328.767	519.105	627.011	857.533
BNGE13017	VF-F Sand	115.163	400.597	36.036	175.808	238.345	370.684	541.811	640.26	856.946
BNGE13021	VF-F Sand	85.613	380.009	22.645	105.876	178.226	342.491	544.025	655.16	881.806
BNGE13026	VF-F Sand	104.292	444.514	27.515	185.336	264.55	421.294	616.773	722.438	925.613
BNGE13030	VF-F Sand	95.954	461.339	25.098	139.75	261.487	447.822	657.482	763.753	953.686
BNGE13032	VF-F Sand	118.892	346.747	37.086	138.246	194.228	313.884	467.624	557.158	769.467
BNGE13034	VF-F Sand	94.743	440.244	28.002	148.097	244.484	417.738	622.559	730.419	932.5
BNGE13102	VE-F Sand	19.845	103.61	3.773	11.612	29.643	84.57	141.726	175.545	266.813
BNGE13105	VE-F Sand	95.911	151.031	51.227	75.361	89.915	130.525	189.561	225.829	319.958
BNGE13108	Mud	15.5	48.459	3.949	9.502	14.677	30.828	56.455	73.444	124.236
BNGE13112	Peat	11.764	103.052	2.714	5.651	9.49	33.418	99.053	180.302	509.208
BNGE13117	Mud	13.084	44.002	3.146	7.898	12.555	27.408	54.122	75.38	149.049
BNGE13120	VE-F Sand	311.405	400.641	183.224	240.918	275.651	368.322	493.44	565.874	739.753

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGE13121	M-C Sand	367.613	507.322	189.728	286.934	338.865	475.154	655.314	753.026	940.4
BNGE13126	VE-F Sand	174.378	239.527	93.557	133.564	156.842	219.079	303.279	351.216	459.899
BNGE13132	M-C Sand	100.302	629.537	22.259	408.969	504.363	668.742	830.171	901.851	1021.179
BNGE13137	VE-F Sand	355.48	500.258	178.642	279.196	331.255	467.641	648.508	746.899	936.735
BNGE13141	VE-F Sand	174.4	373.421	63.404	140.545	197.181	334.794	509.529	609.229	832.213
BNGE13146	VE-F Sand	165.634	283.455	69.626	120.734	152.313	240.905	370.525	449.822	647.453
BNGE13202	Mud	4.181	80.387	1.703	2.476	3.057	5.043	9.228	14.234	751.274
BNGE13203	Mud	14.426	38.747	3.898	8.256	12.425	27.685	53.609	70.078	111.613
BNGE13205	VF-F Sand	84.347	148.54	41.264	64.961	78.815	118.185	179.743	221.581	355.801
BNGE13206	VF-F Sand	29.238	89.951	7.053	21.463	33.884	66.736	114.047	145.114	241.713
BNGE13208	Mud	10.16	43.656	3.1	5.639	7.846	16.125	33.844	48.645	109.206
BNGE13209	Peat	13.021	102.568	3.191	6.348	10.009	33.147	102.48	176.889	502.014
BNGE13211	Mud	9.001	88.323	2.533	4.497	6.485	16.004	48.002	177.275	497.332
BNGE13212	Mud	10.815	93.92	2.584	5.858	9.418	22.417	65.066	199.928	481.308
BNGE13214	Mud	8.491	83.311	2.293	4.193	6.308	15.85	47.539	136.423	481.811
BNGE13217	VF-F Sand	233.084	503.266	70.861	268.616	330.805	480.839	670.979	770.773	954.266
BNGE13221	VF-F Sand	147.569	333.456	49.625	142.27	186.188	295.681	444.139	531.287	739.287
BNGE13223	VF-F Sand	93.209	422.918	24.426	98.896	210.122	403.68	610.106	718.256	924.013
BNGE13227	VF-F Sand	130.639	426.833	40.058	147.972	230.544	398.198	600.648	709.108	918.205
BNGE13232	VF-F Sand	160.106	387.58	51.157	166.918	223.691	352.9	521.61	618.933	837.097
BNGE13237	VF-F Sand	164.752	449.783	51.897	195.733	265.096	421.366	618.44	724.164	926.467
BNGE13238	VF-F Sand	147.714	495.409	52.203	229.361	311.833	480.996	681.451	782.948	963.222
BNGE13402	Mud	10.992	64.467	2.901	6.214	9.345	19.649	40.906	70.413	358.325
BNGE13405	Mud	8.855	93.639	2.397	4.221	6.17	16.768	99.011	201.554	463.11
BNGE13406	VF-F Sand	46.022	297.198	8.242	48.885	127.214	270.851	424.43	510.987	716.515
BNGE13411	VF-F Sand	135.786	397.736	46.569	185.283	240.778	366.649	530.694	625.152	838.042
BNGE13415	VF-F Sand	153.813	419.792	46.815	182.681	250.628	391.695	569.76	669.837	881.279
BNGE13417	VF-F Sand	101.927	393.875	29.428	114.562	201.536	363.849	556.265	662.569	882.367
BNGE13420	VF-F Sand	135.56	316.999	46.484	155.442	196.125	292.208	416.257	486.438	648.178
BNGE13424	M-C Sand	128.868	554.811	42.972	301.337	382.047	555.941	752.715	844.988	997.621
BNGE13430	VF-F Sand	113.44	302.703	35.904	129.487	172.375	272.445	403.928	479.939	659.868
BNGE13435	VF-F Sand	132.801	326.013	43.236	135.346	185.704	296.194	436.104	516.398	707.157
BNGE13440	VF-F Sand	95.554	310.095	27.567	118.567	168.744	277.887	419.094	501.374	699.336
BNGE13444	VF-F Sand	87.362	351.868	21.774	96.741	174.379	319.41	492.603	591.733	817.136
BNGE13449	VF-F Sand	73.838	384.864	16.114	69.774	152.174	357.024	568.328	680.447	900.568
BNGE13453	VF-F Sand	70.827	229.823	18.359	76.398	111.343	195.411	312.466	383.12	556.797
BNGE13455	VF-F Sand	72.85	249.31	18.5	72.068	107.296	200.835	341.036	428.742	650.584
BNGE13602	Mud	7.015	48.258	2.197	3.592	4.915	11	28.402	46.188	204.16
BNGE13603	Mud	7.115	34.809	2.309	3.74	5.078	10.813	23.829	34.487	84.769
BNGE13608	Mud	9.19	50.071	2.647	4.645	6.65	16.689	42.292	62.725	163.466
BNGE13609	VF-F Sand	100.821	320.148	32.881	136.275	181.136	287.962	428.006	509.006	701.884
BNGE13614	VF-F Sand	113.449	166.441	63.286	96.903	113.266	155.078	209.733	240.473	310.857

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGE13618	VF-F Sand	124.257	341.549	41.46	140.675	190.166	305.6	458.573	548.049	760.158
BNGE13623	VF-F Sand	115.603	274.015	42.439	124.761	159.168	245.795	362.645	430.177	587.429
BNGE13626	M-C sand	139.508	436.634	42.59	164.621	245.591	409.209	609.939	717.518	923.37
BNGE13630	M-C sand	160.692	433.868	47.182	158.067	239.727	406.341	606.781	713.815	920.118
BNGE13635	VF-F Sand	109.283	393.04	34.897	123.238	203.64	361.518	551.514	657.062	877.326
BNGE13640	M-C sand	89.666	431.293	23.349	110.891	210.88	409.334	626.964	737.656	938.767
BNGE13644	M-C sand	102.565	376.649	31.863	116.214	183.331	336.679	532.106	641.96	870.877
BNGE13646	VF-F Sand	101.709	462.431	24.372	136.378	265.962	450.472	657.827	763.252	952.747
BNGE13650	M-C sand	55.651	357.589	11.445	51.228	95.628	313.253	555.685	676.844	904.348
BNGE13655	VF-F Sand	75.542	302.201	18.199	77.02	124.872	246.933	426.24	536.091	789.211
BNGE13658	VF-F Sand	108.525	350.702	33.202	114.684	170.42	307.561	488.511	593.024	826.04
BNGF00102	VF-F Sand	90.965	170.194	51.486	89.187	107.394	155.205	219.783	256.67	340.811
BNGF00105	Mud	9.287	42.916	2.583	4.734	7.003	17.665	40.452	57.235	119.238
BNGF00108.5	Mud	12.136	54.654	2.974	6.345	10.278	28.589	62.917	85.266	151.688
BNGF00109	M-C Sand	194.948	510.474	130.388	258.223	320.097	483.14	690.458	793.98	971.793
BNGF00402		9.563	79.597	2.43	4.554	6.96	21.832	84.977	133.003	360.842
BNGF00403		37.733	299.565	6.284	44.245	101.597	246.699	442.844	554.067	799.231
BNGF00405		6.303	20.925	1.902	2.932	4.636	12.51	27.594	39.014	71.226
BNGF00406		73.737	249.874	20.231	112.219	147.126	228.639	335.132	395.693	533.127
BNGF00409		8.739	83.375	2.286	4.161	6.333	18.011	68.245	126.792	466.266
BNGF00415		99.097	196.246	50.116	89.913	110.423	167.085	251.158	304.116	443.425
BNGF00418		13.79	58.226	3.008	8.852	14.431	31.23	59.435	80.085	162.143
BNGF00420		193.685	490.057	69.927	296.077	344.604	466.228	625.13	713.863	900.463
BNGF00421		17.608	162.799	3.438	9.561	18.515	73.535	210.991	342.542	658.915
BNGF00427		11.181	61.062	2.649	6.1	10.022	24.803	53.335	76.325	225.382
BNGF00702	VF-F Sand	25.422	119.702	5.179	15.211	30.668	95.912	174.433	219.628	330.978
BNGF00706	Mud	6.548	27.312	2.317	3.688	4.837	9.002	17.111	23.34	49.713
BNGF00711	Mud	18.599	36.834	5.953	12.694	17.007	29.523	49.033	61.486	93.128
BNGF00715	Mud	8.571	77.75	2.645	4.359	5.892	12.942	49.991	112.189	465.897
BNGF00716	VF-F Sand	125.794	297.765	43.74	148.078	184.954	274.199	390.645	456.628	607.041
BNGF00717	Mud	7.863	47.158	2.648	4.31	5.703	10.931	23.732	39.741	224.795
BNGF00721	Mud	11.904	50.771	3.122	6.221	9.738	25.415	50.73	66.664	117.071
BNGF00730	Mud	9.861	26.304	2.793	5.218	7.711	18.547	37.636	49.073	76.071
BNGF00735	Mud	6.828	32.655	2.336	3.654	4.792	9.461	22.837	36.881	88.391
BNGF00740	Mud	9.482	25.147	2.838	5.125	7.278	16.005	33.497	45.769	79.148
BNGF00744	Mud	10.701	29.615	3.152	5.735	8.169	18.74	41.549	56.52	91.98
BNGF00748	VF-F Sand	60.305	265.087	13.813	76.459	127.274	237.569	369.663	443.72	616.79
BNGF00752	VF-F Sand	30.012	145.681	5.45	29.422	60.826	123.762	204.385	252.559	371.75
BNGF01002	Mud	10.505	33.172	2.83	5.422	8.115	22.178	50.433	65.691	97.605
BNGF01006	Mud	16.636	79.174	3.638	8.627	15.303	60.306	121.571	153.51	226.03
BNGF01011	Mud	13.182	50.725	3.261	6.694	10.668	33.887	75.856	99.257	153.85
BNGF01015	Mud	13.257	51.446	3.491	7.408	11.309	26.118	53.504	73.196	141.961

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Table A.1 – continued from previous page

Sample Name	Field Grain Size	D(3,2)- Surface weighted mean	(4,3)- Volume weighted mean	d(0.05)	d(0.16)	d(0.25)	d(0.50)	d(0.75)	d(0.84)	d(0.95)
BNGF01020	Mud	14.03	35.56	3.851	8.161	12.182	25.973	48.375	62.678	100.247
BNGF01024	Mud	13.215	61.81	3.192	6.671	10.964	36.828	69.623	87.807	138.837
BNGF01026	Mud	7.989	32.094	2.516	4.301	5.951	12.548	26.01	35.976	68.391
BNGF01029	Mud	13.242	43.394	3.248	6.826	11.172	34.969	65.104	80.966	116.597
BNGF01034	Mud	10.221	34.964	2.8	5.287	7.816	20.072	49.936	69.428	114.861
BNGF01038	Mud	9.071	23.027	2.761	4.897	6.886	15.073	31.557	42.57	70.37
BNGF01043	Mud	10.367	43.55	2.866	5.383	7.918	19.997	47.22	65.694	117.57
BNGF01046	Mud	10.027	31.06	2.862	5.225	7.548	18.511	43.577	60.134	100.531
BNGF01302	Mud	4.151	62.924	1.562	2.429	3.104	5.641	12.077	20.671	579.201
BNGF01306	Peat	16.208	177.788	3.672	8.002	13.107	50.016	260.501	427.525	749.482
BNGF01311	Mud	12.129	45.657	3.591	7.608	10.457	19.309	34.827	46.36	91.332
BNGF01315	Mud	18.243	51.013	4.64	12.632	18.402	34.354	59.292	75.934	125.014
BNGF01320	Mud	18.67	56.697	4.68	12.831	19.006	36.313	63.728	82.48	143.216
BNGF01323	VF-F Sand	66.945	145.82	20.239	72.265	90.66	134.599	191.415	223.517	297.006
BNGF01324	Mud	8.37	53.688	2.333	4.135	6.054	15.146	48.822	98.989	212.868
BNGF01329	Mud	9.089	41.391	2.359	4.438	6.862	19.411	57.96	86.427	150.826
BNGF01334	Mud	8.601	22.009	2.617	4.635	6.53	14.137	29.51	40.354	69.162
BNGF01338	Mud	6.073	15.357	2.137	3.314	4.325	8.303	18.255	27.541	55.34
BNGF01343	Mud	7.161	16.931	2.355	3.943	5.343	10.692	21.682	30.018	54.252
BNGF01347	Mud	5.92	14.372	2.075	3.211	4.233	8.269	17.276	24.731	49.209
BNGF01351	VF-F Sand	40.476	126.642	8.561	59.117	79.212	120.247	170.582	198.213	258.919
BNGF01355	VF-F Sand	35.532	122.485	7.102	41.544	69.311	114.742	168.708	198.584	265.765
BNGF01702	Mud	10.343	56.709	2.847	5.207	7.618	20.106	55.681	82.793	185.452
BNGF01706	Mud	10.904	38.057	3.13	5.62	8.127	20.381	46.651	64.535	115.378
BNGF01711	Mud	17.013	82.177	3.626	8.747	16.174	65.859	126.109	157.215	227.868
BNGF01715	Mud	14.448	65.004	3.401	7.261	12.004	42.009	100.12	130.312	198.54
BNGF01718	VF-F Sand	71.478	162.857	22.152	91.303	108.785	152.271	208.654	240.34	313.046
BNGF01721	Mud	14.973	52.33	3.693	8.529	13.799	32.913	63.698	83.596	142.278
BNGF01724	VF-F Sand	195.867	386.871	120.398	200.543	241.007	348.167	497.146	585.744	796.454
BNGF01727	Mud	8.519	45.021	2.465	4.297	6.131	15.308	40.851	61.143	133.683
BNGF01732	VF-F Sand	330.427	438.632	180.552	246.811	287.624	399.163	553.785	643.662	846.34
BNGF01737	Mud	8.906	22.309	2.699	4.793	6.788	14.963	30.517	40.8	67.261
BNGF01738	Mud	6.463	30.128	2.252	3.617	4.776	9.072	17.475	23.723	46.866
BNGF01743	Mud	7.114	34.132	2.311	3.811	5.158	10.702	23.516	34.331	87.504
BNGF01744	Mud	10.514	54.946	2.717	5.297	8.046	22.76	65.766	97.045	182.96
BNGF02102	Mud	5.668	69.971	1.734	2.86	3.962	10.692	43.885	85.652	443.126
BNGF02106	Mud	7.532	34.593	2.328	3.928	5.468	12.293	27.577	38.859	75.687
BNGF02111	Mud	4.733	10.247	1.775	2.753	3.527	6.357	12.418	17.348	33
BNGF02115	Mud	9.536	40.986	2.649	4.98	7.323	18.072	42.097	59.685	113.549
BNGF02120	VF-F Sand	79.989	201.246	26.422	117.992	139.646	191.93	257.701	293.72	373.092
BNGF02124	M-C Sand	322.74	366.496	191.372	237.168	266.32	343.638	443.682	498.51	619.822
BNGF02126	Mud	8.116	43.277	2.477	4.311	6.038	13.185	28.353	40.948	246.252

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGF02126.5	Mud	8.107	46.129	2.338	4.14	5.926	14.492	37.812	56.825	124.73
BNGF02402	Mud	7.208	77.422	1.978	3.31	4.925	15.4	74.487	138.633	374.895
BNGF02403	VF-F Sand	96.962	223.594	61.252	119.294	143.705	206.457	289.382	335.936	439.437
BNGF02406	Mud	6.536	51.451	2.004	3.305	4.654	10.81	27.976	49.134	198.868
BNGF02411	Mud	6.186	73.468	1.954	3.099	4.318	9.751	26.036	70.282	556.35
BNGF02415	Mud	8.545	61.068	2.289	4.167	6.292	17.455	50.585	81.413	248.808
BNGF0242.5	Mud	10.549	91.046	2.408	4.857	8.041	38.397	148.293	199.658	314.856
BNGF02420		10.534	65.218	2.552	5.202	8.494	25.621	72.051	112.604	246.047
BNGF02701	M-C Sand	76.468	344.685	18.928	96.54	162.74	307.338	486.062	587.757	815.897
BNGF02702	Mud	21.615	149.451	4.388	13.13	25.624	75.569	188.554	296.231	575.458
BNGF02703	M-C Sand	128.402	339.954	46.238	126.853	179.356	302.836	462.108	553.96	768.811
BNGF02708	M-C Sand	136.186	449.962	49.128	207.656	272.106	421.628	612.475	716.102	918.732
BNGF02711	M-C Sand	95.895	341.554	27.787	148.65	201.589	314.864	458.271	539.943	731.104
BNGF02712	M-C Sand	144.181	425.918	52.709	209.327	264.609	395.937	566.715	663.002	869.841
BNGF02717	M-C Sand	147.346	416.427	50.303	198.136	254.418	385.487	556.356	653.473	864.225
BNGF02721	M-C Sand	167.068	441.059	57.141	193.525	262.141	413.141	601.385	703.956	908.841
BNGF02726	M-C Sand	105.852	398.248	31.021	141.161	213.645	365.861	555.326	660.509	879.179
BNGF02730	M-C Sand	118.135	438.264	36.301	178.456	253.93	411.94	607.216	712.48	917.602
BNGF02735	M-C Sand	147.12	383.955	52.941	166.659	220.868	348.707	516.35	612.433	827.963
BNGF02740	M-C Sand	115.014	344.521	35.657	149.069	198.094	311.82	461.154	547.624	751.006
BNGF02746	M-C Sand	136.575	397.978	45.503	175.537	233.593	365.636	536.483	633.849	848.129
BNGF03002	M-C Sand	116.287	399.985	48.311	179.678	234.369	365.098	538.029	637.115	853.808
BNGF03006	VF-F Sand	116.5	365.285	43.158	204.481	244.17	341.134	467.558	539.991	712.354
BNGF03011	M-C Sand	213.203	481.041	149.808	263.234	315.135	449.735	627.774	725.575	920.162
BNGF03015	VF-F Sand	137.66	297.749	118.452	175.637	204.676	279.173	376.066	429.893	549.822
BNGF03020	M-C Sand	190.147	447.361	74.058	225.412	281.374	416.884	593.198	691.411	894.975
BNGF03024	M-C Sand	136.517	433.682	48.798	179.272	248.692	403.765	597.977	703.326	910.926
BNGF03029	M-C Sand	177.464	496.892	72.159	250.428	317.228	475.094	670.397	771.231	954.828
BNGF03034	M-C Sand	139.514	433.431	50.362	181.365	250.04	403.334	596.219	701.26	909.198
BNGF03038	VF-F Sand	80.845	322.377	20.744	119.437	177.965	294.211	439.182	522.106	717.805
BNGF03043	VF-F Sand	175.371	411.158	68.663	204.12	254.969	378.791	541.444	634.297	841.438
BNGF03046	VF-F Sand	186.998	436.859	68.793	221.728	275.044	405.314	576.889	673.759	879.972
BNGF03302	Mud	8.45	45.407	2.64	4.534	6.243	13.079	28.767	43.051	171.059
BNGF03306	Mud	8.933	49.698	2.518	4.393	6.327	17.381	47.806	68.392	140.154
BNGF03311	Mud	11.198	37.252	3.43	6.555	9.099	17.692	33.407	45.044	85.405
BNGF03315	Mud	8.865	57.063	2.589	4.391	6.158	15.745	48.21	76.92	265.966
BNGF03321	Mud	6.86	33.434	2.164	3.515	4.763	10.647	29.998	49.056	117.632
BNGF03324	Mud	6.855	33.614	2.211	3.642	4.936	10.399	23.857	35.404	78.526
BNGF04302	VF-F Sand	14.208	68.737	3.106	7.048	12.389	55.688	107.759	133.377	189.551
BNGF04306	Mud	5.342	9.946	2.112	3.137	3.948	6.736	11.91	15.71	28.119
BNGF04311	Mud	11.805	39.657	3.135	6.315	9.859	23.76	46.595	61.727	106.573
BNGF04315	VF-F Sand	90.682	181.386	62.522	104.876	123.161	169.529	229.969	263.984	341.729

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGF04318	VF-F Sand	26.516	116.042	5.405	17.211	32.649	101.142	171.194	209.025	296.974
BNGF04320	VF-F Sand	94.16	167.382	69.226	103.507	119.345	158.718	208.722	236.44	299.442
BNGF04323	Mud	13.584	50.04	3.377	7.462	12.116	29.932	59.191	78.403	134.948
BNGF04324	Mud	7.751	21.431	2.425	4.192	5.837	12.488	25.241	33.722	56.678
BNGF04329	Mud	8.37	27.711	2.557	4.607	6.481	13.501	26.943	37.087	76.163
BNGF04330	VF-F Sand	26.101	125.733	4.525	20.315	65.833	116.003	175.236	209.283	290.555
BNGF04334	Mud	9.879	48.004	2.716	5.04	7.41	19.297	47.87	67.499	128.724
BNGF04335	VF-F Sand	58.396	233.131	12.947	118.163	149.775	221.596	311.02	359.558	463.695
BNGF04340	VF-F Sand	106.231	244.105	102.195	164.362	185.866	237.96	300.832	334.047	409.814
BNGF04346	VF-F Sand	76.061	304.578	23.016	159.3	197.605	287.396	400.982	463.738	603.264
BNGF04349	Mud	5.769	43.4	2.071	3.164	4.087	7.675	16.304	24.377	256.589
BNGF04350	VF-F Sand	52.377	256.62	9.962	97.385	160.214	250.088	352.646	407.193	523.255
BNGF04353	Mud	9.822	65.93	2.491	4.933	7.652	21.906	57.552	81.991	196.012
BNGF04902	Mud	9.26	69.99	2.49	4.77	7.185	18.031	41.257	59.82	505.734
BNGF04906	Mud	6.852	53.936	2.191	3.497	4.709	10.294	29.549	50.096	335.345
BNGF04911	Mud	26.752	80.491	6.294	21.606	32.769	58.647	93.837	115.823	183.29
BNGF04915	Mud	15.553	60.349	3.677	9.221	15.519	35.436	65.374	85.252	154.409
BNGF04920	Mud	13.851	69.21	3.384	7.733	12.352	30.803	64.922	91.064	267.148
BNGF04924	Mud	25.676	114.602	5.564	17.456	30.954	72.238	133.817	178.523	388.079
BNGF04929	Mud	26.868	108.988	6.076	19.715	31.856	64.403	118.23	163.412	407.24
BNGF04934	Mud	7.956	103.719	2.236	3.816	5.47	15.014	53.224	124.538	677.752
BNGF04938	Mud	7.749	75.346	2.353	3.998	5.528	12.385	31.968	58.947	486.341
BNGF04941	VF-F Sand	147.842	197.164	94.853	125.498	142.587	186.311	242.27	273.151	342.587
BNGF04946	M-C Sand	296.818	523.399	199.92	288.237	341.432	489.04	688.741	792.055	971.223
BNGF04950	Mud	24.872	94.521	5.467	19.713	30.129	56.733	100.207	134.32	336.63
BNGF04952	VF-F Sand	113.258	279.128	41.963	126.764	161.721	248.732	366.424	435.595	604.091
BNGF04955	Mud	9.852	83.857	2.592	5.101	7.896	24.901	65.103	98.516	491.542
BNGF04956	VF-F Sand	137.366	279.753	53.726	126.778	164.111	254.646	370.735	436.011	585.539
BNGF04957	Mud	23.257	51.016	5.527	19.586	27.342	45.608	69.637	83.283	113.828
BNGF04958	VF-F Sand	328.845	452.377	200.898	270.677	310.467	416.279	562.673	649.608	850.952
BNGF04961	Mud	7.015	86.53	2.179	3.661	5.072	10.826	25.804	44.385	691.494
BNGF04964	Mud	12.405	108.531	3.164	6.362	9.783	25.789	77.994	238.531	561.258
BNGF06602	Mud	6.684	68.904	2.263	3.562	4.697	9.212	21.427	36.494	594.301
BNGF06606	Mud	4.973	86.223	1.764	2.418	3.113	7.506	35.981	116.927	587.666
BNGF06609	VF-F Sand	71.934	130.272	39.486	61.255	73.289	105.994	152.661	181.469	263.96
BNGF06614	VF-F Sand	75.846	129.253	39.627	58.23	69.841	102.903	152.939	185.548	286.505
BNGF06618	VF-F Sand	87.38	148.812	34.725	63.854	80.228	124.939	190.243	230.945	338.962
BNGF06623	VF-F Sand	151.822	229.579	73.767	113.631	137.033	201.496	293.285	348.339	484.015
BNGF06624	M-C Sand	135.048	202.731	64.615	98.787	119.525	177.022	259.2	308.685	431.415
BNGF06625	Mud	33.206	83.62	10.754	25.508	33.669	57.881	99.218	129.022	230.279
BNGF06626	M-C Sand	271.008	421.604	80.978	232.128	276.892	388.867	539.564	628.093	834.32
BNGF06630	Mud	17.995	42.56	4.735	12.075	17.752	33.543	57.141	72.15	111.789

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGF06635	Mud	13.573	51.14	3.38	8.078	12.727	27.56	51.413	67.873	124.119
BNGF06640	Mud	7.621	68.201	2.201	3.783	5.503	13.775	35.13	53.624	532.045
BNGF06643	VF-F Sand	186.017	254.149	110.983	153.814	177.48	238.467	317.234	360.751	457.425
BNGF06644	Mud	8.245	63.625	2.365	4.228	6.12	14.472	35.034	53.975	470.328
BNGF06649	Mud	11.885	48.516	3.055	6.519	10.462	24.206	45.924	61.577	133.14
BNGF06651	M-C Sand	166.51	320.194	62.2	127.697	168.732	276.908	425.451	514.793	738.293
BNGF06652	Mud	7.992	55.376	2.449	4.111	5.678	13.112	32.215	47.965	330.421
BNGF06656	Mud	9.378	60.58	2.621	4.909	7.256	17.331	36.3	50.174	422.269
BNGF07102	Mud	8.524	53.438	2.532	4.337	6.072	14.379	39.367	61.748	171.142
BNGF07106	Mud	9.25	45.526	2.775	4.805	6.707	15.053	40.331	69.27	161.069
BNGF07108	VF-F Sand	118.18	159.146	75.778	101	115.026	150.67	195.863	220.666	276.05
BNGF07111	Mud	11.301	46.719	3.029	5.821	8.824	23.711	51.1	68.342	117.631
BNGF07112	VF-F Sand	115.821	130.807	69.396	85.781	96.033	122.973	157.591	176.586	218.975
BNGF07117	VF-F Sand	157.044	232.688	81.073	122.136	145.53	208.882	297.077	348.668	469.787
BNGF07118	Mud	14.477	55.713	3.746	8.573	12.927	28.15	57.251	79.378	163.702
BNGF07123	Mud	13.455	50.898	3.586	7.838	11.755	25.245	50.147	68.691	136.26
BNGF07126	Mud	8.466	40.785	2.488	4.29	6.044	14.745	41.52	62.311	119.888
BNGF07130	Mud	7.117	36.39	2.245	3.605	4.889	11.199	31.265	51.023	136.541
BNGF07134	VF-F Sand	113.046	208.392	80.662	118.981	139.651	193.412	264.058	303.632	392.71
BNGF07138	VF-F Sand	210.246	278.247	136.254	179.707	203.567	264.133	341.044	383.308	477.48
BNGF07143	VF-F Sand	188.609	234.812	126.262	160.62	178.999	225.564	282.848	313.327	381.876
BNGF07147	VF-F Sand	181.219	230.585	116.95	151.54	170.851	219.769	281.169	314.512	387.73
BNGF07153	M-C Sand	154.13	329.79	65.954	144.819	182.411	282.79	431.197	524.736	758.504
BNGF07502	Mud	16.162	192.49	2.837	11.017	29.249	197.849	301.143	350.006	443.12
BNGF07505	VF-F Sand	87.212	145.774	39.458	66.998	81.952	122.731	181.985	219.003	320.314
BNGF07509	Mud	55.819	112.512	21.119	44.646	56.627	89.371	139.088	171.956	270.278
BNGF07511	VF-F Sand	82.699	137.639	36.226	59.174	73.634	115.599	179.157	218.44	316.133
BNGF07515	VF-F Sand	107.451	156.633	55.944	83.243	98.955	141.345	199.589	233.302	312.248
BNGF07520	Mud	13.005	67.414	3.338	7.03	10.88	26.946	60.151	87.636	317.824
BNGF07524	Mud	15.108	37.101	3.956	9.435	14.344	29.156	51.213	64.811	98.694
BNGF07529	Mud	19.485	101.262	5.332	12.382	17.578	33.943	67.522	139.526	518.363
BNGF07532	Mud	24.671	63.151	8.544	16.528	21.763	37.792	65.392	85.717	176.038
BNGF07534	Mud	13.936	41.301	3.734	8.513	12.993	25.236	42.315	53.132	91.859
BNGF07537	Mud	20.305	47.009	5.34	13.71	20.5	39.599	65.734	80.708	115.025
BNGF07538	Mud	21.53	68.164	4.95	14.588	24.649	49.748	84.187	105.796	167.983
BNGF07543	VF-F Sand	172.038	245.205	90.016	135.784	161.271	227.85	314.24	361.416	462.635
BNGF07547	VF-F Sand	211.686	275.395	138.9	183.194	206.611	264.752	336.494	374.862	457.839
BNGF07552	VF-F Sand	182.57	245.279	110.802	152.548	174.989	232.274	305.136	344.833	431.225
BNGF07556	VF-F Sand	146.804	286.76	56.232	155.149	187.494	267.898	371.285	428.327	553.671
BNGF07560	M-C Sand	150.662	323.89	52.549	173.024	207.81	296.634	415.633	484.368	647.432
BNGF07902	Mud	5.569	44.189	2.028	3.068	3.932	7.242	15.552	24.539	80.27
BNGF07905	VF-F Sand	138.68	202.57	72.16	103.451	123.168	178.741	258.611	306.092	418.559

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGF07909	VF-F Sand	101.913	148.719	59.132	80.861	94.07	130.364	182.133	213.801	297.134
BNGF07914	VF-F Sand	110.918	150.31	69.197	92.316	105.563	140.023	185.175	210.687	270.262
BNGF07918	M-C Sand	122.328	188.294	65.035	92.605	110.015	159.945	235.701	283.971	412.678
BNGF07923	Mud	14.008	46.061	3.776	8.437	12.576	25.718	47.603	62.869	113.055
BNGF07927	Mud	11.269	26.83	3.222	6.497	9.508	19.653	36.303	47.198	76.047
BNGF07932	M-C Sand	233.825	330.872	118.274	186.772	220.818	307.823	420.606	483.273	623.202
BNGF07937	M-C Sand	203.235	386.063	81.265	204.474	246.343	352.26	495.587	579.921	782.137
BNGF07938	Mud	3.679	8.405	1.526	2.233	2.742	4.449	7.903	11.34	34.785
BNGF07940	Mud	365.769	474.911	215.569	284.558	325.868	437.291	592.022	682.46	881.031
BNGF07944	M-C Sand	357.633	473.386	192.841	263.177	307.583	430.985	605.08	705.159	910.19
BNGF07945	Mud	9.166	26.504	2.78	4.866	6.806	15.187	34.976	49.9	89.506
BNGF07946	M-C Sand	380.746	521.408	190.171	290.617	345.228	489.575	679.996	780.395	961.637
BNGF07950	M-C Sand	223.246	367.664	102.973	148.286	179.446	283.879	501.664	643.892	899.831
BNGF07955	M-C Sand	177.85	204.738	102.674	129.071	145.893	190.792	249.564	282.138	354.815
BNGF07956	Mud	6.633	12.217	2.467	3.858	4.986	8.868	15.687	20.292	33.145
BNGF07961	Mud	10.302	24.532	3.085	5.792	8.272	17.126	32.677	43.274	72.343
BNGF07964	Mud	8.897	24.86	2.695	4.79	6.784	14.842	30.307	41.133	73.45
BNGF08402	Mud	9.85	66.519	2.855	5.039	7.086	16.758	53.313	95.127	335.206
BNGF08406	Mud	21.86	48.376	5.821	15.939	22.71	40.52	65.583	80.646	117.752
BNGF08411	VF-F Sand	68.14	126.458	30.673	50.019	62.523	99.807	158.888	197.378	304.991
BNGF08415	VF-F Sand	79.528	194.284	41.848	78.973	97.589	151.304	239.678	302.441	502.261
BNGF08420	VF-F Sand	52.36	141.728	13.397	53.046	76.908	126.721	191.033	228.616	319.898
BNGF08424	VF-F Sand	222.949	334.823	78.161	155.277	203.296	310.684	439.804	510.901	673.32
BNGF08426	Mud	13.352	43.324	3.626	7.521	11.362	25.431	49.416	65.641	115.028
BNGF08430	Mud	12.179	30.389	3.437	6.937	10.243	21.92	41.353	53.96	87.12
BNGF08435	Mud	11.83	28.511	3.423	6.777	9.848	20.484	38.341	50.118	81.812
BNGF08440	Mud	9.239	92.549	2.418	4.249	6.264	23.337	90.424	150.686	487.228
BNGF08441	Mud	7.912	38.064	2.523	4.278	5.817	11.843	26.057	41.649	209.219
BNGF08447	Mud	7.32	39.069	2.274	3.763	5.136	11.709	31.898	49.315	123.123
BNGF08452	Mud	9.097	30.453	2.937	5.051	6.932	14.039	26.888	35.552	62.167
BNGF08456	Mud	9.134	21.051	2.923	4.996	6.873	14.452	28.84	38.14	61.632
BNGF08459	Mud	73.106	178.048	22.309	110.909	128.954	171.683	224.473	253.3	317.872
BNGF08461	VF-F Sand	9.159	43.658	2.648	4.771	6.819	16.322	39.359	56.204	113.639
BNGF08902	VF-F Sand	25.132	77.134	5.319	21.051	39.266	70.707	107.438	127.918	174.935
BNGF08905	Mud	15.121	72.93	3.252	8.301	15.23	45.607	88.158	114.293	195.908
BNGF08906	VF-F Sand	28.294	89.355	6.868	22.078	35.185	67.016	108.732	134.228	208.463
BNGF08911	VF-F Sand	96.081	141.21	51.321	74.023	87.826	125.852	179.294	210.773	286.231
BNGF08915	VF-F Sand	114.553	196.845	54.445	88.697	108.188	163.154	246.95	301.484	455.915
BNGF08920	VF-F Sand	106.299	164.615	53.306	83.38	100.279	146.176	210.578	248.764	341.266
BNGF08924	VF-F Sand	105.92	204.91	48.289	97.629	119.852	178.876	262.937	314.417	446.218
BNGF08930	M-C Sand	102.176	376.625	30.424	106.46	216.689	353.7	517.313	610.884	824.751
BNGF08932	Mud	7.544	28.713	1.972	3.48	6.712	18.035	39.408	53.932	93.235

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Table A.1 – continued from previous page

Sample Name	Field Grain Size	D(3,2)- Surface weighted mean	(4,3)- Volume weighted mean	d(0.05)	d(0.16)	d(0.25)	d(0.50)	d(0.75)	d(0.84)	d(0.95)
BNGF08935	M-C Sand	110.008	338.057	35.829	158.371	207.594	313.546	447.966	524.7	706.041
BNGF08937	Mud	10.044	67.122	2.344	5.145	8.76	26.194	58.148	80.272	268.257
BNGF08941	Mud	6.763	85.126	2.062	3.421	4.869	11.138	29.73	56.341	663.01
BNGF08946	M-C Sand	346.893	458.261	206.747	275.16	315.434	422.819	569.612	655.137	850.01
BNGF08947	Mud	7.102	74.965	2.184	3.762	5.347	11.128	23.434	36.265	626.477
BNGF08949	M-C Sand	135.325	352.985	66.59	175.539	216.948	320.543	458.946	539.407	731.848
BNGF08952	M-C Sand	54.367	270.478	12.792	79.498	115.855	221.144	375.791	468.258	694.555
BNGF08955	M-C Sand	64.655	265.981	17.896	78.307	104.094	190.221	368.486	485.328	754.177
BNGF08955.5	Mud	8.427	86.437	2.167	4.122	6.592	18.592	52.379	83.798	624.005
BNGF08956	M-C Sand	182.847	360.435	85.632	182.824	223.764	327.234	465.757	546.318	738.569
BNGF08961	M-C Sand	148.118	337.226	69.478	178.994	215.116	307.686	432.492	504.973	677.301
BNGF08967	M-C Sand	243.126	331.893	131.051	184.49	216.313	302.022	418.623	485.553	640.661
BNGF09505	Mud	70.23	115.483	36.987	52.491	62.413	90.865	134.208	162.731	253.252
BNGF09511	VF-F Sand	88.238	141.544	39.913	62.527	76.759	117.492	178.719	217.262	320.765
BNGF09518	VF-F Sand	125.92	178.899	62.655	91.615	109.574	159.151	228.448	269.048	365.403
BNGF09524	VF-F Sand	108.387	187.415	44.024	80.118	102.423	163.539	248.364	297.792	413.879
BNGF09529	Mud	11.943	34.94	3.481	6.727	9.606	20.302	41.922	58.533	113.067
BNGF09535	Mud	11.487	32.838	3.137	6.095	9.188	23.037	47.22	61.719	96.161
BNGF09543	Mud	5.832	41.232	2.13	3.262	4.194	7.656	15.37	22.454	63.029
BNGF09550	M-C Sand	184.873	319.157	66.799	129.717	166.352	267.445	420.067	517.232	760.765
BNGF09558	VF-F Sand	227.407	300.021	136.334	186.904	214.27	283.958	372.416	420.631	526.102
BNGF09559	VF-F Sand	242.185	308.017	146.266	192.622	219.692	289.942	380.113	429.485	538.133
BNGF10102	VF-F Sand	89.161	186.656	40.431	67.576	84.277	135.148	227.155	298.374	529.381
BNGF10106	VF-F Sand	96.688	134.911	55.248	75.902	88.409	122.218	168.593	195.619	260.368
BNGF10111	VF-F Sand	83.047	114.367	47.941	65.588	76.193	104.596	142.967	164.972	216.476
BNGF10112	Mud	24.955	67.313	6.879	17.588	24.842	47.084	83.118	106.533	174.657
BNGF10114	VF-F Sand	89.512	149.815	44.18	66.428	80.328	120.426	182.527	223.58	347.429
BNGF10118	Mud	16.265	35.401	4.499	10.733	15.41	28.316	47.361	59.34	90.766
BNGF10120	VF-F Sand	111.619	156.568	63.531	89.19	104.102	143.613	196.548	226.779	297.081
BNGF10124	VF-F Sand	35.881	139.375	7.831	29.635	51.988	107.398	190.383	243.325	383.529
BNGF10127	Mud	8.989	35.35	2.904	5.002	6.791	13.395	27.304	39.337	95.258
BNGF10132	Mud	13.059	41.663	3.315	6.823	10.908	30.606	60.628	77.892	119.364
BNGF10137	VF-F Sand	278.041	383.178	150.375	211.658	247.829	345.66	481.481	562.011	758.181
BNGF10141	VF-F Sand	164.085	227.972	94.785	130.049	151.141	207.864	285.268	330.065	435.276
BNGF10146	VF-F Sand	204.899	281.405	114.359	162.077	189.313	261.045	355.5	407.971	523.888
BNGF10150	M-C Sand	281.063	445.105	99.301	209.494	263.814	404.136	597.098	705.936	918.578
BNGF10155	M-C Sand	296.214	440.917	133.186	222.081	268.745	395.825	578.99	686.179	904.336
BNGF10156	M-C Sand	453.349	607.439	223.599	353.977	425.055	599.865	794.618	880.924	1015.763
BNGF10158	M-C Sand	209.462	303.622	101.967	157.446	188.307	270.609	384.542	452.232	621.003
BNGF10163	M-C Sand	180.979	254.269	85.876	136.871	163.887	233.711	325.588	377.195	493.29
BNGF10167	M-C Sand	161.661	270.568	77.91	110.352	131.686	196.358	318.756	434.973	786.778
BNGF10171	M-C Sand	196.376	379.969	73.812	125.629	165.091	307.717	549.188	679.502	913.95

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGF11302	Mud	21.707	82.045	4.489	16.332	29.756	59.695	97.378	119.826	182.376
BNGF11303	VF-F Sand	31.295	81.904	7.711	26.033	41.212	73.339	112.617	134.959	187.674
BNGF11308	VF-F Sand	14.865	58.509	3.383	9.733	15.132	31.623	61.803	84.682	166.106
BNGF11309	VF-F Sand	72.85	132.814	28.819	62.547	78.34	119.2	174.508	206.283	279.659
BNGF11312	VF-F Sand	15.621	70.376	3.262	10.244	16.913	39.819	82.384	111.327	202.622
BNGF11314	VF-F Sand	44.073	111.153	12.999	38.356	54.475	92.709	143.6	174.14	253.879
BNGF11315	VF-F Sand	85.3	132.944	42.447	68.868	82.73	119.587	170.237	199.753	269.845
BNGF11323	VF-F Sand	114.361	163.326	67.638	96.012	111.603	152.066	204.989	234.584	301.632
BNGF11324	VF-F Sand	15.202	96.848	3.148	8.567	14.999	50.29	121.541	169.228	341.963
BNGF11327	VF-F Sand	66.993	163.671	18.937	70.466	88.428	135.185	203.98	248.766	384.344
BNGF11329	VF-F Sand	10.351	64.219	2.628	5.519	8.533	21.168	48.498	71.077	342.802
BNGF11334	Mud	9.712	67.196	2.498	4.986	7.688	20.385	49.677	72.788	408.641
BNGF11338	Mud	9.66	52.437	2.726	5.067	7.308	17.214	43.034	64.268	153.989
BNGF11343	Mud	10.23	58.098	2.644	5.153	7.869	22.674	55.351	76.916	159.684
BNGF11347	Mud	7.57	63.007	2.046	3.489	5.242	16.297	60.053	107.77	284.192
BNGF11350	M-C Sand	165.498	408.526	59.437	199.293	252.618	377.031	539.896	633.816	844.702
BNGF11352	Mud	9.047	54.833	2.618	4.884	7.019	15.264	32.553	47.27	297.767
BNGF11353	VF-F Sand	105.717	219.733	57.622	113.894	138.228	201.164	285.324	332.972	439.875
BNGF11358	M-C Sand	210.503	409.171	91.1	209.283	256.323	374.224	532.197	623.889	833.176
BNGF11362	Mud	6.819	91.504	2.006	3.318	4.939	12.052	32.487	63.74	689.123
BNGF11363	M-C Sand	156.201	340.47	52.625	127.964	182.888	303.764	458.74	549.803	767.737
BNGF15502	Mud	5.66	12.224	2.051	3.146	4.139	7.784	14.641	19.748	37.266
BNGF15506	VF-F Sand	137.612	191.017	77.28	107.702	125.896	174.578	240.185	277.719	364.659
BNGF15511	VF-F Sand	156.051	235.024	74.063	116.842	141.275	207.462	300.659	356.381	492.894
BNGF15514	Mud	17.959	46.129	4.526	11.92	18.041	35.457	62.075	79.247	125.49
BNGF15517	VF-F Sand	87.959	175.637	40.225	64.993	80.715	129.987	219.477	284.532	474.077
BNGF15521	M-C Sand	275.353	349.972	163.954	217.001	248.073	328.745	432.348	489.244	615.399
BNGF15526	VF-F Sand	208.108	280.656	113.195	159.225	186.52	259.108	355.371	408.915	526.475
BNGF15530	VF-F Sand	226.237	298.865	132.82	180.161	207.622	279.306	372.512	424.049	538.059
BNGF15535	VF-F Sand	149.108	257.663	63.091	115.729	146.512	228.568	339.799	403.8	552.322
BNGF15538	Mud	12.662	29.852	3.865	7.393	10.347	20.582	38.584	50.838	86.259
BNGF15541	VF-F Sand	89.795	294.233	29.676	154.529	190.462	276.282	386.258	447.375	582.777
BNGF15544	VF-F Sand	109.481	234.536	35.865	146.136	169.554	225.403	294.838	332.894	418.118
BNGF15549	Mud	6.099	29.755	2.03	3.22	4.325	8.948	20.528	31.917	181.134
BNGF15549.5	M-C Sand	186.047	433.422	54.405	140.115	213.764	395.839	625.474	741.045	944.1
BNGF15550	Mud	5.558	27.864	2.013	3.052	3.992	7.503	14.682	21.171	124.291
BNGF15555	Mud	10.078	28.105	2.756	5.296	7.956	20.171	40.828	52.674	80.339
BNGF15556	M-C Sand	169.291	413.035	77.198	184.361	236.841	372.126	556.912	662.26	882.06
BNGF15561	M-C Sand	320.301	439.703	160.295	227.816	271.154	393.829	569.614	671.448	885.671
BNGF15567	M-C Sand	230.151	314.751	119.004	168.9	199.774	284.393	400.508	467.022	619.272
BNGF16002	Mud	3.663	65.812	1.542	2.151	2.629	4.435	9.272	24.135	536.806
BNGF16003	VF-F Sand	101.043	154.988	51.507	75.93	91.021	133.478	195.519	233.704	332.735

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TableA.1 – continued from previous page

Sample Name	Field Grain Size	D(3,2)- Surface weighted mean	(4,3)- Volume weighted mean	d(0.05)	d(0.16)	d(0.25)	d(0.50)	d(0.75)	d(0.84)	d(0.95)
BNGF16008	VF-F Sand	158.251	210.795	91.971	123.784	142.727	193.167	261.263	300.587	394.273
BNGF16012	VF-F Sand	128.101	163.306	68.116	88.29	101.733	139.501	193.308	225.925	313.773
BNGF16017	VF-F Sand	234.941	301.999	136.351	181.603	208.842	280.882	375.364	427.88	545.145
BNGF16021	M-C Sand	281.044	431.79	129.466	209.638	257.743	389.17	570.513	673.393	887.436
BNGF16026	M-C Sand	265.461	379.786	129.102	191.424	229.767	336.261	487.973	578.34	791.281
BNGF16032	VF-F Sand	258.038	297.891	148.035	186.82	211.549	277.651	364.126	411.867	517.299
BNGF16037	Mud	9.13	44.329	2.539	4.885	7.178	16.281	35.864	51.312	122.278
BNGF16041	Mud	10.273	40.039	2.811	5.584	8.295	19.125	40.026	54.663	101.511
BNGF16046	Mud	9.922	42.106	2.702	5.274	7.895	18.815	40.314	55.717	109.729
BNGF16047	Mud	10.724	34.051	2.818	5.577	8.597	22.769	48.682	64.662	103.854
BNGF16050	Mud	11.169	39.482	3.03	6.172	9.266	21.134	42.27	56.642	102.377
BNGF16055	Mud	12.023	32.651	3.116	6.591	10.476	25.432	46.966	59.341	88.387
BNGF16058	Mud	4.777	69.769	1.841	2.671	3.376	5.987	11.563	17.631	574.758
BNGF16059	Mud	4.468	66.536	1.772	2.557	3.2	5.527	10.453	15.678	562.025
BNGF16064	Mud	9.648	34.168	2.642	4.962	7.335	18.531	46.664	67.018	117.701
BNGF16069	Mud	8.813	21.236	2.627	4.783	6.894	15.054	28.971	37.882	61.301
BNGF16070	Mud	10.081	30.971	2.681	5.253	8.044	21.001	44.588	58.871	93.109
BNGF16073	Mud	9.232	39.239	2.526	4.754	7.137	18.053	39.147	53.228	97.396
BNGF16502	VF-F Sand	120.654	176.795	71.756	101.021	117.612	161.549	221.09	255.671	338.544
BNGF16503	Mud	12.839	48.482	3.281	7.395	11.338	25.332	51.277	71.658	153.896
BNGF16509	Mud	14.937	32.834	4.343	9.359	13.293	25.352	44.23	56.226	87.364
BNGF16511	VF-F Sand	187.074	265.362	98.015	146.409	173.492	244.722	338.866	391.368	507.236
BNGF16518	VF-F Sand	160.668	295.701	60.802	113.344	148.09	248.846	395.485	483.447	698.07
BNGF16520	VF-F Sand	205.74	320.291	91.929	151.36	186.584	282.472	415.894	494.202	681.618
BNGF16524	VF-F Sand	269.668	366.813	144.656	203.052	238.144	332.846	462.091	536.792	712.564
BNGF16529	VF-F Sand	278.271	386.297	147.585	210.01	247.23	348.375	488.795	571.186	766.266
BNGF16534	Mud	11.143	34.954	2.939	6.342	9.592	21.149	41.758	56.168	100.257
BNGF16538	Mud	9.73	30.473	2.669	5.119	7.627	18.616	40.753	55.975	98.602
BNGF16543	Mud	9.667	26.565	2.7	5.205	7.721	17.884	36.096	47.897	79.524
BNGF16547	Mud	8.058	21.348	2.39	4.296	6.198	13.966	28.224	37.533	62.748
BNGF16552	Mud	6.855	91.385	2.064	3.268	4.437	10.999	70.312	139.282	559.831
BNGF16556	Mud	12.067	57.961	3.104	6.643	10.094	23.954	55.203	81.882	212.624
BNGF16561	M-C Sand	67.74	362.807	16.441	99.579	182.163	329.306	510.396	614.224	842.858
BNGF16566	Mud	5.695	45.785	2.031	3.123	4.081	7.651	15.229	22.665	306.226
BNGF17002	VF-F Sand	35.785	101.602	8.652	29.455	48.142	89.74	141.22	170.525	238.948
BNGF17003	Mud	14.22	45.953	3.57	8.574	13.329	28.931	53.474	69.481	116.582
BNGF17008	Mud	6.284	14.733	1.983	3.204	4.958	10.852	19.889	25.854	42.082
BNGF17011	Mud	15.615	48.051	4.05	9.244	14.1	30.763	60.041	80.408	141.231
BNGF17014	VF-F Sand	47.553	133.026	12.318	45.348	67.7	117.546	181.923	219.225	307.625
BNGF17018	VF-F Sand	15.611	91.182	3.465	8.529	14.509	44.121	106.256	162.32	364.343
BNGF17023	Mud	14.046	78.879	3.245	7.581	12.388	35.576	89.463	133.532	304.776
BNGF17027	M-C Sand	277.304	392.474	155.902	224.586	262.251	361.355	494.07	569.951	746.443

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGF17032	M-C Sand	202.267	391.158	106.263	198.622	241.251	352.97	507.191	597.757	808.08
BNGF17038	VF-F Sand	153.199	303.329	59.388	153.61	189.607	278.704	395.305	461.27	611.749
BNGF17041	M-C Sand	157.328	343.482	61.889	150.961	191.553	299.316	453.994	547.776	772.387
BNGF17043	Mud	1.711	1.931	0.651	1.476	1.588	1.888	2.276	2.482	2.893
BNGF17047	VF-F Sand	104.058	201.311	43.75	107.9	130.134	186.384	260.137	301.505	394.17
BNGF17049	VF-F Sand	95.489	195.743	36.136	100.865	122.634	178.574	253.996	297.37	396.953
BNGF17602	VF-F sand	97.516	151.556	44.768	72.038	88.404	133.42	196.55	233.624	321.802
BNGF17606	Mud	5.812	25.206	2.175	3.318	4.278	7.582	13.594	18.168	43.742
BNGF17608	Peat	5.596	14.972	2.069	3.051	3.902	7.259	15.75	24.338	57.091
BNGF17609	Mud	8.48	26.013	2.577	4.528	6.339	13.733	30.724	44.185	84.188
BNGF17611	Mud	7.897	80.134	2.336	4.007	5.641	13.123	35.432	68.592	597.571
BNGF17615	Mud	11.428	83.764	2.807	5.731	8.926	25.466	105.507	177.563	360.039
BNGF17617	Mud	9.901	63.02	2.525	4.859	7.418	21.296	91.326	137.36	248.719
BNGF17618	Mud	9.167	24.344	2.692	4.945	7.114	15.82	32.52	43.988	75.401
BNGF17620	VF-F sand	91.988	171.846	43.5	83.866	103.359	154.224	223.423	263.65	358.352
BNGF17624	M-C Sand	159.384	320.088	63.065	142.209	182.873	286.268	423.398	502.216	688.258
BNGF17629	M-C Sand	172.934	339.147	67.054	163.141	206.24	310.325	444.566	520.564	696.841
BNGF17634	Mud	6.687	32.153	2.275	3.613	4.81	9.512	19.643	28.268	79.338
BNGF17638	Mud	7.403	27.45	2.221	3.764	5.319	12.375	31.62	49.199	105.69
BNGF17643	Mud	7.216	45.498	2.313	3.849	5.266	10.736	22.852	34.883	268.329
BNGF18102	VF-F Sand	95.097	154.482	47.168	73.405	88.488	130.146	191.072	229.433	336.953
BNGF18106	Mud	5.651	15.312	1.985	3.058	4.013	7.964	17.229	24.758	52.584
BNGF18108	Mud	5.707	9.603	2.315	3.422	4.278	7.117	12.066	15.45	25.158
BNGF18112	Mud	8.819	41.562	2.412	4.684	7.068	16.009	33.966	48.572	118.425
BNGF18120	Mud	14.04	47.386	3.39	7.819	12.75	33.076	66.048	86.576	140.766
BNGF18123	VF-F Sand	101.492	163.387	49.438	76.629	92.383	136.004	200.639	242.192	364.142
BNGF181E02	Mud	6.832	32.54	2.304	3.711	4.962	9.74	20.174	29.228	74.342
BNGF181E05	Mud	5.071	54.567	1.91	2.781	3.496	6.258	14.304	26.006	490.165
BNGF181E08	Mud	11.312	31.798	3.16	6.061	9.006	21.304	43.931	58.631	96.453
BNGF181E10	Mud	18.218	141.46	3.669	9.845	18.143	83.177	220.946	295.266	461.327
BNGF181E11	VF-F Sand	103.548	229.391	34.562	105.655	134.449	206.163	303.098	359.302	489.822
BNGF181E12	Mud	13.305	79.809	3.158	6.663	10.785	34.592	119.851	177.216	292.615
BNGF181E15	VF-F Sand	72.345	216.405	22.793	79.065	117.308	198.649	297.522	351.956	472.173
BNGF181E18	VF-F Sand	115.498	235.566	41.892	118.481	145.549	214.412	307.151	360.431	482.493
BNGF181E21	Mud	7.363	20.916	2.346	3.919	5.373	11.412	24.985	36.078	73.622
BNGF181E24	Mud	8.255	29.392	2.524	4.345	6.087	13.558	29.689	41.983	84.697
BNGF181E25	Mud	10.487	21.87	3.302	6.214	8.635	16.286	28.457	36.461	59.029
BNGF18702	Mud	13.37	40.594	3.856	7.488	10.808	22.991	47.034	68.323	156.41
BNGF18706	Mud	6.922	12.949	2.546	4.067	5.284	9.308	16.09	20.646	33.99
BNGF18711	VF-F Sand	78.376	157.59	27.798	69.831	89.065	138.847	207.795	248.539	346.012
BNGF18715	VF-F Sand	180.198	244.557	98.562	136.812	160.257	223.929	310.085	358.519	465.409
BNGF18720	VF-F Sand	72.907	196.994	20.199	78.46	98.934	155.157	246.888	312.273	510.295

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGF18724	Mud	10.36	26.942	3.049	5.783	8.301	17.442	34.357	46.454	82.051
BNGF18729	Mud	12.561	44.737	3.18	6.368	9.996	30.93	66.22	86.072	133.372
BNGF18734	Mud	11.528	27.269	3.521	6.579	9.227	18.619	35.638	47.466	80.921
BNGF18740	Mud	21.7	143.962	4.664	11.875	20.087	95.083	233.093	298.255	436.829
BNGF18741	VF-F Sand	109.06	243.168	36.745	115.684	145.679	221.223	321.648	378.466	506.308
BNGF18743	Mud	7.033	24.761	2.266	3.701	5.046	10.84	24.121	34.467	70.184
BNGF18747	Mud	9.556	27.778	2.914	5.215	7.318	15.285	32.449	47.897	101.003
BNGF18750	VF-F Sand	79.065	225.523	22.968	112.92	142.579	211.381	298.94	347.468	454.026
BNGF18755	VF-F Sand	107.061	251.787	38.143	119.184	149.954	227.739	332.445	392.528	529.698
BNGF18759	Mud	16.19	35.835	4.784	9.798	14.017	27.699	48.944	62.059	95.111
BNGF19202	VF-F Sand	301.692	387.511	190.875	248.221	280.626	363.748	471.519	532.365	675.578
BNGF19206	VF-F Sand	253.662	288.145	149.275	186.161	209.534	271.368	350.444	393.127	484.191
BNGF19211	M-C Sand	342.33	419.41	180.168	236.383	273.606	377.806	524.135	609.808	808.702
BNGF19215	VF-F Sand	309.772	352.027	182.45	227.107	255.529	330.894	427.772	480.443	594.074
BNGF19220	M-C Sand	273.956	367.552	158.193	213.446	246.376	334.695	455.841	526.817	699.117
BNGF19224	VF-F Sand	232.928	313.395	127.409	178.471	208.694	289.299	396.387	456.116	587.592
BNGF19229	Mud	9.044	37.434	2.406	4.689	7.289	17.92	36.687	49.662	106.619
BNGF19234	Mud	8.4	22.474	2.412	4.518	6.659	14.725	29.293	39.116	66.996
BNGF19238	Mud	14.691	50.661	3.646	8.123	12.885	33.356	71.337	95.687	157.343
BNGF19240	M-C Sand	132.168	347.134	45.568	142.694	191.18	308.293	465.821	558.86	779.329
BNGF19241	Mud	11.554	46.32	2.971	6.307	9.657	23.274	51.371	73.087	151.293
BNGF19243	VF-F Sand	167.397	316.087	77.046	172.621	207.563	295.128	407.909	470.163	606.544
BNGF19247	M-C Sand	185.841	406.996	90.53	203.224	248.834	368.065	533.055	629.569	845.578
BNGF19252	VF-F Sand	227.679	408.208	141.876	230.807	272.243	378.272	518.408	598.273	783.267
BNGF19256	VF-F Sand	168.291	391.843	56.208	168.716	225.26	356.995	527.712	625.338	842.422
BNGF19261	M-C Sand	200.673	415.883	68.643	196.413	251.575	382.508	553.506	650.883	862.748
BNGF19266	M-C Sand	157.07	374.802	53.18	158.826	211.36	337.244	504.107	600.919	821.179
BNGF19270	VF-F Sand	142.936	269.415	59.477	144.574	174.358	249.714	348.356	403.511	525.959
BNGF19275	VF-F Sand	169.951	407.195	52.747	197.254	250.379	375.55	539.847	634.289	845.123
BNGF19279	VF-F Sand	170.836	425.404	52.97	188.833	250.031	392.778	577.563	680.531	892.226
BNGF19702	VF-F Sand	19.623	59.403	4.701	11.618	19.546	46.956	85.101	107.433	160.814
BNGF19706	Mud	18.972	47.422	5.064	11.391	17.569	37.569	66.079	83.125	125.694
BNGF19712	Mud	9.403	21.458	3.143	5.35	7.196	13.72	26.061	35.477	67.814
BNGF19718	Mud	7.845	20.396	2.68	4.297	5.666	11.002	24.61	38.298	74.482
BNGF19723	VF-F Sand	46.794	137.989	11.266	48.725	69.392	118.585	186.498	227.427	328.802
BNGF19727	Mud	15.645	38.594	4.289	8.923	13.616	30.234	54.054	68.056	102.91
BNGF19729	Mud	13.745	28.679	4.269	8.183	11.454	22.071	38.673	49.03	75.804
BNGF19730	Mud	11.469	30.406	3.64	6.583	8.968	17.397	34.794	49.431	105.021
BNGF19732	Mud	5.671	9.147	2.343	3.428	4.264	7	11.661	14.795	23.427
BNGF19737	Mud	13.346	127.885	3.552	7.099	10.498	24.307	72.159	268.511	738.842
BNGF19738	VF-F Sand	82.591	263.754	25.246	125.878	160.883	242.942	350.036	410.998	550.067
BNGF20102	Mud	9.322	63.084	2.317	4.543	7.248	21.608	67.278	112.669	280.832

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGF20105	VF-F Sand	17.335	55.845	4.004	10.079	17.458	44.876	82.392	102.874	148.106
BNGF20109	M-C Sand	98.156	364.412	28.067	119.946	184.293	325.969	507.923	612.351	841.971
BNGF20114	M-C Sand	148.435	393.687	46.773	151.268	212.991	356.386	542.074	646.975	868.993
BNGF20115	Mud	6.401	44.441	2.046	3.314	4.525	9.912	26.512	43.14	116.555
BNGF20117	Mud	7.401	13.09	2.616	4.49	5.918	10.253	16.926	21.157	32.595
BNGF20120	Mud	7.244	12.665	2.619	4.314	5.658	9.999	16.904	21.211	31.959
BNGF20124	Mud	7.817	17.837	2.519	4.428	6.211	13.241	24.938	31.899	48.782
BNGF20127	Mud	7.137	13.493	2.53	4.065	5.363	10.128	18.461	23.616	35.903
BNGF20132	Mud	6.638	11.614	2.455	3.926	5.105	8.971	15.221	19.197	29.688
BNGF20134	Mud	9.269	19.977	2.884	5.175	7.311	15.09	27.502	35.111	54.19
BNGF20135	Mud	11.377	46.802	3.119	6.238	9.309	20.722	42.081	61.199	235.439
BNGF20137	Mud	8.344	16.897	2.684	4.689	6.52	13.059	23.4	29.607	44.521
BNGF20138	Mud	5.626	10.358	2.153	3.259	4.16	7.349	13.242	17.286	28.616
BNGF20502	Mud	10.521	33.993	2.823	5.76	8.722	19.657	41.836	59.869	117.695
BNGF20506	Mud	6.724	22.693	2.322	3.575	4.655	9.203	23.603	39.327	91.144
BNGF20508	Mud	12.295	30.215	3.469	7.195	10.541	21.632	40.099	52.458	86.883
BNGF20511	Mud	18.077	90.017	3.923	10.253	18.205	54.093	124.974	173.482	301.718
BNGF20514	Mud	8.746	23.814	2.554	4.58	6.66	15.748	32.341	43.177	72.456
BNGF20515	Mud	15.865	59.947	3.924	8.791	14.332	35.936	69.596	91.211	158.369
BNGF20517	Mud	10.419	26.828	3.117	5.747	8.161	17.405	35.162	47.679	83.073
BNGF20521	Mud	10.992	29.624	3.468	5.981	8.209	17.318	37.977	53.692	98.517
BNGF20524	Mud	14.17	54.972	3.793	8.187	11.953	25.247	63.879	108.049	215.948
BNGF20526.5	Mud	13.991	70.767	3.341	7.166	11.73	35.991	93.99	137.362	258.707
BNGF20527	VF-F Sand	80.558	268.439	24.832	98.584	139.646	236.435	364.412	438.76	615.999
BNGF20532	VF-F Sand	137.871	291.749	49.684	139.38	178.307	269.997	385.943	450.173	593.312
BNGF20537	VF-F Sand	141.428	371.248	47.696	154.74	211.512	337.841	499.926	593.303	807.997
BNGF20541	VF-F Sand	119.824	332.51	40.165	134.15	182.812	296.453	446.824	534.92	745.337
BNGF20546	VF-F Sand	160.836	348.758	60.87	168.405	212.437	318.8	457.202	536.23	721.457
BNGF20549	VF-F Sand	131.761	301.384	47.679	150.914	190.089	281.849	396.908	460.155	599.485
BNGF21102	Mud	13.994	22.789	7.888	10.264	12.077	18.175	29.006	36.224	54.435
BNGF21103	Mud	8.007	20.628	2.301	4.253	6.372	14.227	27.846	36.89	61.474
BNGF21108	Mud	9.234	22.279	2.639	5.053	7.49	16.586	31.052	39.885	61.902
BNGF21112	Mud	8.906	72.484	2.491	4.571	6.753	16.294	36.224	55.554	507.079
BNGF21117	Mud	10.726	33.048	2.932	5.664	8.653	21.122	41.278	53.973	89.207
BNGF21118	Mud	11.065	46.484	2.84	5.88	9.313	22.842	47.432	66.421	148.792
BNGF21123	Mud	11.176	27.259	3.181	6.395	9.359	19.586	36.633	47.82	78.099
BNGF21126	Mud	8.189	63.581	2.146	3.802	5.755	19.64	67.544	105.941	243.849
BNGFS00102	Mud	9.256	35.938	2.558	4.677	6.875	18.336	45.703	65.126	124.99
BNGFS00105	VF-F Sand	79.109	217.778	24.581	100.394	131.648	201.98	291.152	340.904	451.657
BNGFS00106	Mud	19.558	83.443	4.097	12.197	22.49	59.764	116.207	152.098	249.661
BNGFS00108	VF-F Sand	129.571	331.728	48.216	143.382	185.751	292.73	440.029	527.772	740.194
BNGFS00112	VF-F Sand	154.26	285.083	63.467	162.511	193.299	269.764	366.476	418.733	529.871

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGFS00117	M-C Sand	146.245	399.965	50.035	162.328	219.217	359.596	548.611	656.005	879.491
BNGFS00121	VF-F Sand	188.127	386.474	81.002	183.435	228.806	346.501	508.854	604.303	822.878
BNGFS00126	VF-F Sand	173.465	391.164	76.176	177.834	224.492	348.257	521.549	622.96	847.044
BNGFS00130	VF-F Sand	107.758	295.64	38.405	140.927	177.333	267.391	388.171	458.302	623.936
BNGFS00135	M-C Sand	161.135	348.289	61.801	172.57	213.352	315.79	453.244	533.18	723.312
BNGFS00140	M-C Sand	121.224	306.035	41.558	133.839	173.422	270.771	404.05	483.51	678.193
BNGFS00144	M-C Sand	195.805	501.899	72.34	264.576	326.245	477.809	671.09	772.174	956.174
BNGFS00149	M-C Sand	150.204	355.057	60.694	160.33	201.92	311.729	468.756	563.572	788.359
BNGFS00150	M-C Sand	153.374	386.862	67.686	163.815	209.033	335.962	525.174	636.664	869.989
BNGFS00202	Mud	9.578	47.141	2.648	5.118	7.485	17.106	40.469	61.546	157.013
BNGFS00203	VF-F sand	168.803	226.519	104.493	141.218	161.537	213.82	280.884	317.684	398.723
BNGFS00208	M-C sand	262.517	345.374	151.09	203.895	235.37	318.806	429.684	492.44	636.671
BNGFS00212	VF-F sand	227.693	297.152	132.682	178.363	205.438	276.676	369.929	421.789	537.3
BNGFS00217	VF-F sand	149.503	310.742	125.412	187.166	217.498	294.07	391.573	444.952	562.281
BNGFS00221	VF-F sand	223.794	306.212	117.723	166.04	195.965	277.673	389.219	452.722	596.711
BNGFS00226	M-C sand	317.98	429.216	173.993	239.6	279.874	389.923	542.558	631.372	833.625
BNGFS00227	M-C sand	359.643	478.109	197.837	269.746	314.708	438.624	609.772	706.524	905.765
BNGFS00234	M-C sand	344.221	487.077	182.225	272.156	321.481	452.336	628.095	725.604	920.596
BNGFS00237	M-C sand	362.573	499.493	191.327	280.546	330.983	465.257	644.593	742.674	933.363
BNGFS00241	M-C sand	235.846	455.147	82.073	203.913	265.901	421.211	621.699	728.568	930.384
BNGFS00302	VF-F sand	192.24	295.257	95.447	153.451	181.33	252.198	343.358	393.263	500.662
BNGFS00306	VF-F sand	286.804	392.384	154.569	216.919	254.413	355.899	495.108	575.973	766.035
BNGFS00311	M-C sand	339.121	448.911	201.534	268.862	308.59	414.335	557.939	641.03	832.42
BNGFS00315	M-C sand	187.158	377.911	66.834	203.102	245.346	350.126	487.136	564.91	744.804
BNGFS00320	M-C sand	220.346	327.079	111.542	158.863	189.356	278.56	416.404	503.537	721.822
BNGFS00324	M-C sand	308.368	416.633	168.545	232.359	271.528	378.27	525.637	611.345	809.805
BNGFS00326	M-C sand	298.545	403.828	163.575	223.401	260.691	363.841	508.91	594.297	794.663
BNGFS00327	VF-F sand	260.381	347.773	155.46	213.22	245.153	327.045	432.177	490.156	619.514
BNGFS00330	M-C sand	310.529	433.436	157.065	224.441	267.387	388.464	560.914	660.799	874.783
BNGFS00332	M-C sand	251.081	356.352	118.208	187.45	225.107	323.693	455.781	531.454	707.958
BNGFS00335	M-C sand	288.615	418.444	135.852	223.207	267.655	382.7	537.176	626.229	829.338
BNGFS00402	VF-F sand	120.415	162.591	71.27	96.603	111.413	150.43	202.073	231.338	299.07
BNGFS00406	M-C sand	220.683	298.202	120.918	167.105	195.367	272.179	376.803	436.32	570.313
BNGFS00411	M-C sand	298.217	415.952	161.129	230.576	270.899	379.054	527.025	612.775	810.81
BNGFS00412	M-C sand	396.695	523.732	221.832	303.206	353.435	489.904	671.445	768.55	950.837
BNGFS00417	M-C sand	228.305	315.368	129.934	183.743	214.092	293.889	398.506	456.291	581.734
BNGFS00421	M-C sand	297.918	409.245	164.847	228.041	266.261	370.598	515.936	601.264	801.084
BNGFS00426	VF-F sand	267.688	363.42	148.968	205.994	240.064	331.649	456.052	527.529	694.27
BNGFS00427	M-C sand	281.576	467.636	142.743	242.877	295.043	431.728	614.707	715.897	916.879
BNGFS00432	M-C sand	154.432	313.134	120.845	174.876	204.69	284.132	393.745	458.257	613.989
BNGFS00437	M-C sand	372.136	491.939	208.827	283.424	329.481	454.906	625.41	720.766	914.48
BNGFS00441	M-C sand	303.737	461.229	106.799	204.442	271	429.535	624.928	728.957	928.356

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGFS00446	M-C sand	262.814	353.048	145.87	201.129	234.389	323.737	443.926	511.962	667.149
BNGFS00450	M-C sand	250.139	397.222	115.095	171.187	210.925	338.61	538.272	652.13	881.548
BNGFS00455	VF-F sand	245.495	347.044	116.38	181.202	217.829	314.317	443.926	518.248	691.812
BNGFS00455.5	Mud	7.798	91.469	2.17	3.894	5.891	13.884	34.35	144.353	577.516
BNGFS00456	M-C sand	282.082	403.009	131.147	212.913	255.934	367.536	516.971	602.948	801.565
BNGFS00461	VF-F sand	187.641	246.45	110.485	146.753	168.5	226.491	304.881	350.027	456.364
BNGFS00462	M-C sand	587.379	647.949	359.595	440.639	492.196	627.641	791.757	870.549	1006.321
BNGG00702	Mud	6.889	10.892	2.918	4.264	5.242	8.336	13.651	17.424	28.437
BNGG00706	Mud	8.475	13.928	3.311	5.175	6.569	10.966	18.067	22.68	34.978
BNGG00711	Mud	13.313	30.292	4.017	7.67	10.859	22.209	41.873	54.347	84.429
BNGG00715	Mud	10.232	21.151	3.328	5.846	8.016	15.696	28.826	37.251	58.144
BNGG00720	Mud	11.428	25.597	3.633	6.554	9.031	17.768	33.685	44.812	75.463
BNGG00723	VF-F Sand	167.915	223.912	98.154	132.577	152.894	206.641	278.426	319.335	413.843
BNGG00727	VF-F Sand	152.832	226.986	81.164	114.642	135.6	195.121	284.261	340.623	488.771
BNGG00732	VF-F Sand	123.767	187.693	66.961	95.318	112.816	161.998	234.373	279.556	399.547
BNGG00737	VF-F Sand	145.515	271.956	79.179	127.009	154.034	230.047	345.723	420.147	617.618
BNGG00741	VF-F Sand	187.078	266.699	91.851	145.493	173.463	245.798	341.237	394.806	513.938
BNGG00747	VF-F Sand	140.185	253.427	55.19	114.109	145.12	224.094	331.813	395.582	549.771
BNGG00750	M-C Sand	210.301	408.002	95.452	204.933	251.182	370.829	533.696	627.806	838.871
BNGG00752	Mud	8.83	24.068	2.712	4.593	6.404	15.036	33.84	46.169	75.52
BNGG00756	M-C Sand	294.078	402.429	155.644	221.413	260.491	365.931	509.946	592.925	784.634
BNGG00761	M-C Sand	236.753	352.196	119.931	179.156	214.5	312.244	451.004	533.319	729.735
BNGG00766	M-C Sand	213.93	382.739	100.67	176.827	220.054	339.035	506.112	603.216	821.849
BNGG00770	M-C Sand	175.546	364.535	75.735	150.458	192.548	313.098	492.411	598.578	832.535
BNGG00775	M-C Sand	259.709	496.548	183.252	279.54	330.623	465.055	642.956	740.066	930.145
BNGG00779	Mud	11.753	64.919	3.225	6.174	9.067	22.962	54.349	75.104	385.685
BNGG01302	Mud	9.141	51.076	2.983	4.945	6.665	13.722	29.645	42.138	306.62
BNGG01306	Mud	18.387	72.956	4.499	10.31	15.984	44.391	108.179	143.666	227.67
BNGG01308	VF-F Sand	185.154	263.039	100.032	142.006	167.015	235.584	332.35	389.746	526.381
BNGG01312	VF-F Sand	166.964	224.219	95.78	129.983	150.328	204.699	278.693	321.785	424.605
BNGG01317	VF-F Sand	188.111	263.623	105.021	148.412	173.695	241.492	333.363	385.75	504.201
BNGG01320	Mud	12.869	54.664	3.49	7.025	10.562	24.289	51.197	74.049	228.831
BNGG01321	VF-F Sand	204.154	234.229	119.124	148.648	167.483	218.002	284.544	321.689	405.235
BNGG01326	VF-F Sand	187.763	251.86	111.567	150.748	173.481	233.358	313.133	358.4	462.061
BNGG01335	Mud	13.359	105.865	3.523	6.759	9.913	25.416	155.959	244.188	443.743
BNGG01337	VF-F Sand	181.642	264.194	98.489	138.393	162.801	231.083	331.08	392.961	550.437
BNGG01341	VF-F Sand	181.736	249.947	106.33	146.842	169.759	229.98	310.938	357.688	468.29
BNGG01346	VF-F Sand	216.199	297.546	121.7	169.303	197.499	273.368	375.864	433.836	563.194
BNGG01350	VF-F Sand	221.891	256.302	127.374	160.578	181.771	238.549	313.214	354.629	446.37
BNGG01355	VF-F Sand	207.832	303.889	104.896	157.934	188.542	271.624	387.658	455.886	617.444
BNGG01359	VF-F Sand	156.738	221.894	79.945	115.7	137.605	198.074	283.051	332.875	449.649
BNGG01364	VF-F Sand	248.055	349.663	124.226	182.3	217.308	312.9	445.724	523.266	706.851

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG01367	M-C Sand	173.29	384.267	89.405	158.31	198.796	323.073	526.578	646.287	883.295
BNGG01370	M-C Sand	7.091	29.133	2.337	3.825	5.162	10.62	22.42	31.488	62.49
BNGG01371	Mud	5.857	21.593	2.055	3.213	4.212	8.187	16.948	23.813	47.494
BNGG01376	Mud	10.508	115.56	2.637	4.901	7.538	26.438	113.693	264.008	563.514
BNGG01902	Mud	12.094	64.266	3.27	6.373	9.567	23.186	52.619	81.866	348.816
BNGG01903	Mud	10.536	36.914	3.114	5.725	8.164	17.945	37.622	51.822	96.447
BNGG01905	Mud	9.857	40.753	3.033	5.351	7.432	15.772	34.078	48.468	107.071
BNGG01906	VF-F Sand	75.393	161.801	32.902	63.421	78.699	121.975	193.094	245.332	435.567
BNGG01908	VF-F Sand	128.753	192.803	68.964	95.261	111.872	158.789	229.157	275.484	428.143
BNGG01909	VF-F Sand	125.7	174.978	71.899	97.185	112.496	153.911	211.723	246.775	341.334
BNGG01911	VF-F Sand	145.439	219.67	78.627	110.518	130.385	186.973	272.823	328.228	479.491
BNGG01912	VF-F Sand	147.008	208.96	83.09	112.967	131.416	182.794	257.966	304.95	428.891
BNGG01914	VF-F Sand	153.02	212.091	87.793	117.927	136.316	186.727	258.96	303.83	425.196
BNGG01915	VF-F Sand	149.365	207.212	86.873	116.337	134.236	183.11	252.82	295.955	412.323
BNGG01917	VF-F Sand	153.444	201.926	91.027	121.049	138.952	186.441	249.81	285.912	370.212
BNGG01918	VF-F Sand	139.682	160.965	80.955	101.316	114.374	149.456	195.769	221.673	280.364
BNGG01920	VF-F Sand	149.708	176.415	84.302	106.739	121.289	161.066	215.344	246.668	321.173
BNGG01921	VF-F Sand	208.962	269.865	122.473	162.333	186.295	249.805	334.244	382.039	491.248
BNGG01923	VF-F Sand	201.32	261.616	117.622	156.644	180.007	242.035	324.544	371.26	477.902
BNGG01924	VF-F Sand	180.851	252.696	96.981	139.091	163.987	230.847	321.426	372.896	488.243
BNGG01926	VF-F Sand	196.444	299.668	92.684	143.488	173.982	258.655	382.209	458.628	654.559
BNGG01926.5	Mud	10.031	22.521	3.443	5.765	7.655	14.288	26.77	36.052	67.759
BNGG01927	VF-F Sand	96.541	281.27	31.34	124.688	160.829	250.66	372.538	444.059	615.258
BNGG01929	VF-F Sand	88.774	221.741	2.055	2.283	2.519	3.377	5.567	8.442	20.931
BNGG01930	VF-F Sand	210.87	271.193	125.256	165.455	189.456	252.776	335.967	382.39	486.012
BNGG01932	VF-F Sand	229.979	272.208	126.54	162.449	186.022	250.679	337.598	386.051	492.178
BNGG01934	VF-F Sand	182.442	250.357	86.986	132.476	159.178	229.411	321.892	373.434	487.091
BNGG01935	VF-F Sand	144.305	193.58	82.262	110.207	127.33	173.872	238.68	277.354	374.752
BNGG01937	VF-F Sand	136.901	189.327	80.04	107.851	124.557	169.662	232.461	270.175	367.299
BNGG01938	VF-F Sand	143.566	216.163	72.285	106.352	127.313	186.118	272.462	326.192	466.788
BNGG01940	VF-F Sand	150.454	205.555	80.223	111.262	130.72	184.378	259.307	303.205	407.005
BNGG01941	VF-F Sand	158.563	225.376	85.693	121.623	143.412	203.047	285.827	334.034	446.616
BNGG01943	VF-F Sand	191.568	252.105	109.878	147.584	170.267	230.862	312.85	360.151	471.967
BNGG01944	VF-F Sand	199.206	231.405	113.374	143.521	162.805	214.621	283.131	321.407	407.277
BNGG01946	VF-F Sand	183.74	249.508	100.258	141.327	165.431	229.858	315.97	364.215	470.564
BNGG01947	VF-F Sand	180.953	244.616	98.217	136.744	160.004	222.912	308.782	358.024	470.373
BNGG01949	VF-F Sand	170.225	235.206	91.31	125.881	147.699	208.621	295.728	347.948	475.163
BNGG01950	VF-F Sand	156.393	212.773	90.481	122.729	142.063	193.987	264.915	306.182	404.191
BNGG01952	M-C Sand	255.119	347.059	132.901	191.218	225.275	316.087	438.504	508.637	671.829
BNGG01953	M-C Sand	241.365	329.639	121.998	180.342	213.673	301.539	418.583	484.95	636.82
BNGG01955	M-C Sand	231.027	326.011	120.653	178.837	211.63	298.444	414.916	480.957	630.626
BNGG01956	M-C Sand	194.588	283.478	98.385	138.923	165.228	241.434	357.488	430.739	619.713

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG01958	M-C Sand	278.441	394.9	21.014	26.907	31.687	50.518	205.914	265.054	404.517
BNGG01959	M-C Sand	305.823	428.03	152.578	226.953	270.199	387.238	549.955	644.601	854.657
BNGG01961	M-C Sand	309.303	433.199	152.705	228.402	272.304	391.329	557.99	655.289	868.111
BNGG01962	Mud	6.49	22.27	2.446	3.676	4.65	8.182	16.339	25.132	128.624
BNGG01963	M-C Sand	216.962	302.372	106.979	157.211	188.226	272.822	388.053	453.624	602.175
BNGG01964	M-C Sand	198.52	287.006	98.446	141.445	169.369	249.319	366.159	436.639	608.699
BNGG01966	M-C Sand	256.805	425.281	102.426	176.653	230.985	382.68	581.628	690.129	904.855
BNGG01967	M-C Sand	282.074	458.078	108.908	210.708	272.966	425.27	616.889	720.237	921.698
BNGG01969	M-C Sand	234.802	376.432	96.107	159.173	203.439	328.914	503.505	605.273	833.436
BNGG01970	M-C Sand	268.116	343.849	154.274	206.612	237.449	318.536	425.399	485.745	625.569
BNGG01973	M-C Sand	200.321	430.831	81	150.185	206.029	388.889	618.149	732.807	937.953
BNGG01975	M-C Sand	288.559	435.247	106.483	195.738	252.168	395.702	584.723	690.063	902.675
BNGG01976	M-C Sand	311.625	486.762	125.583	236.705	297.962	455.006	655.255	759.437	949.347
BNGG01978	M-C Sand	345.727	480.296	172.575	258.977	308.475	442.01	624.49	725.834	924.819
BNGG01979	M-C Sand	329.788	467.697	150.436	241.413	292.411	428.641	614.101	717.173	920.072
BNGG01981	M-C Sand	152.767	256.72	88.891	133.926	160.29	231.718	329.773	386.104	515.103
BNGG01982	M-C Sand	279.085	416.8	113.67	204.147	252.45	377.342	546.335	643.649	857.765
BNGG01984	M-C Sand	223.968	285.276	130.639	172.897	198.319	265.459	353.497	402.577	512.488
BNGG01985	M-C Sand	215.438	277.262	124.672	166.898	192.09	258.267	344.791	392.868	499.769
BNGG01987	M-C Sand	299.07	405.981	159.246	221.22	259.543	364.982	513.301	601.164	807.347
BNGG01988	M-C Sand	285.819	401.553	145.775	213.531	253.323	361.23	511.837	600.758	808.416
BNGG01990	M-C Sand	165.889	318.715	3.706	4.013	4.341	5.8	9.622	16.426	105.129
BNGG01991	M-C Sand	390.463	522.054	195.735	289.108	344.043	490.394	680.416	779.454	959.348
BNGG02602	Mud	7.371	91.252	2.192	3.57	4.932	12.258	52.369	100.252	639.048
BNGG02606	Mud	10.28	54.372	2.933	5.653	8.165	17.683	36.958	52.574	145.122
BNGG02611	Mud	14.046	75.956	3.255	7.763	12.71	34.645	78.292	111.01	275.085
BNGG02612	VF-F Sand	96.395	163.97	51.071	75.929	90.66	132.253	195.957	238.675	379.79
BNGG02617	VF-F Sand	111.566	173.762	58.97	85.864	102.182	147.841	214.888	256.943	373.031
BNGG02621	VF-F Sand	117.314	235.247	65.49	104.524	126.96	191.402	293.823	363.714	568.502
BNGG02626	VF-F Sand	32.294	221.606	5.492	25.008	100.202	186.729	301.922	376.957	585.432
BNGG02630	VF-F Sand	152.301	235.897	80.988	113.593	133.982	192.251	283.637	347.385	561.385
BNGG02635	VF-F Sand	153.112	205.649	91.051	121.831	140.064	188.63	254.247	292.25	383.272
BNGG02640	VF-F Sand	183.633	258.623	94.256	139.479	165.145	233.815	328.254	383.259	512.096
BNGG02643	VF-F Sand	147.272	267.166	3.182	3.439	3.701	4.859	8.18	17.077	117.114
BNGG02644	VF-F Sand	160.675	284.815	78.116	135.892	167.136	250.942	368.311	438.183	608.3
BNGG02647	Mud	11.43	69.139	2.89	6.332	9.684	22.689	50.93	77.619	374.053
BNGG02652	VF-F Sand	145.858	244.963	67.565	111.486	137.26	209.427	315.594	381.128	547.028
BNGG02656	VF-F Sand	115.323	259.151	42.783	124.279	155.747	234.744	340.483	401.315	541.734
BNGG02661	VF-F Sand	167.398	241.84	86.321	130.091	154.739	220.494	309.472	360.093	474.122
BNGG02666	VF-F Sand	170.314	251.102	82.564	131.451	157.714	227.089	321.528	376.194	503.814
BNGG02670	VF-F Sand	148.096	252.357	77.136	126.875	153.831	226.158	326.224	384.529	520.218
BNGG02675	VF-F Sand	194.117	309.977	89.647	141.322	173.287	264.445	400.51	484.741	695.274

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG02679	VF-F Sand	171.303	361.174	84.398	173.298	215.17	323.846	472.152	558.929	763.936
BNGG02684	VF-F Sand	142.042	291.008	74.583	132.384	162.65	247.547	375.813	456.461	661.587
BNGG02688	VF-F Sand	154.879	237.446	83.729	121.412	144.164	207.939	301.009	357.838	498.467
BNGG02691	VF-F Sand	171.298	258.379	87.262	131.769	157.959	230.042	331.579	391.185	530.932
BNGG03202	Mud	10.8	43.74	3.158	6.083	8.707	18.111	35.7	49.042	103.891
BNGG03206	Mud	6.018	68.027	2.219	3.341	4.26	7.588	15.251	25.341	585.895
BNGG03211	Mud	13.131	76.197	3.415	6.854	10.494	27.458	65.179	97.71	394.71
BNGG03214	Peat	20.359	189.785	4.604	10.237	16.803	70.75	294.297	437.188	729.607
BNGG03217	Mud	10.584	50.082	3.214	5.853	8.17	16.928	35.434	50.886	135.814
BNGG03221	Mud	10.143	67.645	2.997	5.573	7.84	16.385	35.539	54.619	488.776
BNGG03226	VF-F Sand	132.632	175.505	67.897	89.203	103.644	145.51	209.142	250.663	377.146
BNGG03227	VF-F Sand	135.783	206.738	8.169	9.654	11.282	18.993	83.062	113.495	188.983
BNGG03230	VF-F Sand	174.057	224.476	98.381	132.558	153.156	207.603	279.506	319.993	411.913
BNGG03235	VF-F Sand	192.436	277.817	100.312	141.245	167.009	240.052	348.723	416.719	591.538
BNGG03240	VF-F Sand	169.437	263.111	86.302	121.34	144.283	212.82	326.423	405.636	630.114
BNGG03244	VF-F Sand	162.807	234.5	86.45	119.666	140.942	201.723	293.085	350.893	501.823
BNGG03249	VF-F Sand	215.055	324.488	107.044	161.623	193.78	283.238	413.842	493.756	691.657
BNGG03253	VF-F Sand	199.285	302.041	99.022	142.803	171.024	253.7	383.372	467.178	682.973
BNGG03258	VF-F Sand	176.045	221.261	93.114	120.682	139.158	191.808	269.122	317.423	448.8
BNGG03263	VF-F Sand	181.201	245.935	103.113	138.725	160.535	220.075	304.088	354.765	482.377
BNGG03264	VF-F Sand	172.09	238.223	13.029	15.389	17.439	25.307	129.834	164.474	244.977
BNGG03267	Mud	10.464	55.635	2.92	5.526	8.064	18.968	44.878	67.285	192.155
BNGG03269	VF-F Sand	209.413	274.423	124.926	166.917	191.508	256.019	340.737	387.971	493.631
BNGG03273	VF-F Sand	233.355	318.994	127.732	178.578	209.143	291.72	403.549	466.925	609.52
BNGG03278	VF-F Sand	230.609	342.57	91.473	182.931	221.863	318.24	441.784	510.247	662.941
BNGG03282	VF-F Sand	270.26	357.939	160.808	217.444	249.684	333.693	443.591	505.282	646.463
BNGG03287	VF-F Sand	235.941	331.167	102.915	177.935	214.761	307.017	425.644	491.329	636.844
BNGG03288	VF-F Sand	135.81	292.717	3.735	4.105	4.569	6.605	12.848	23.669	106.584
BNGG03289	Mud	8.755	42.941	2.697	4.751	6.637	13.912	28.467	40.178	116.698
BNGG03291	M-C Sand	284.422	369.057	166.46	221.997	254.96	342.015	457.034	521.862	671.101
BNGG03902	Mud	6.458	100.227	2.101	3.389	4.665	9.414	20.514	41.881	735.364
BNGG03905	VF-F Sand	113.992	154.035	71.225	95.909	109.734	145.067	190.279	215.249	271.463
BNGG03909	VF-F Sand	151.653	238.14	80.143	112.161	132.652	192.766	290.526	359.253	569.257
BNGG03914	VF-F Sand	126.36	205.513	66.608	93.48	110.814	162.009	246.472	307.634	511.055
BNGG03918	VF-F Sand	174.698	203.855	99.087	125.511	142.458	188.142	249.048	283.484	362.694
BNGG03920	VF-F Sand	139.708	189.488	11.262	13.299	15.005	21.639	108.839	137.2	201.575
BNGG03923	VF-F Sand	168.212	246.322	91.49	127.129	149.318	211.922	305.322	364.754	525.582
BNGG03927	VF-F Sand	179.77	208.493	103.045	129.727	146.828	192.86	254.036	288.534	367.629
BNGG03932	VF-F Sand	154.029	221.196	81.865	114.586	135.186	193.058	277.342	329.164	461.574
BNGG03937	M-C Sand	162.582	207.057	101.965	132.618	150.201	195.276	252.963	284.923	357.359
BNGG03941	VF-F Sand	122.876	224.054	58.952	96.981	118.644	180.684	279.607	347.477	548.557
BNGG03946	VF-F Sand	142.378	209.318	62.717	106.293	129.258	189.001	269.523	316.016	424.921

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG03949	M-C Sand	230.591	365.398	97.246	163.348	204.454	319.452	482.529	578.584	800.8
BNGG03950	M-C Sand	171.496	338.708	4.309	4.668	5.078	7.329	18.456	35.788	152.143
BNGG03952	M-C Sand	161.305	231.242	84.789	117.396	138.206	197.319	285.959	342.621	498.137
BNGG03956	VF-F Sand	173.829	225.113	101	134.979	155.263	208.82	279.449	319.19	409.349
BNGG03961	VF-F Sand	146.185	204.65	76.452	108.268	127.863	181.767	257.653	302.858	414.403
BNGG03966	VF-F Sand	185.172	271.265	95.459	137.19	163.27	236.626	343.397	408.484	570.937
BNGG03970	M-C Sand	183.135	406.729	93.102	198.776	247.219	369.822	534.438	629.578	842.857
BNGG03975	M-C Sand	215.374	299.44	106.402	168.917	199.855	278.996	381.602	438.227	562.203
BNGG03979	M-C Sand	232.4	334.169	106.075	174.536	210.844	304.751	429.115	499.633	661.758
BNGG03982	M-C Sand	239.799	422.808	5.822	6.286	6.777	9.22	20.429	47.102	231.366
BNGG03984	M-C Sand	289.833	446.425	115.01	217.504	270.059	407.336	593.275	697.289	906.365
BNGG03988	VF-F Sand	168.926	237.167	88.752	125.46	147.946	210.113	298.895	352.372	483.741
BNGG03991	VF-F Sand	178.951	262.4	92.378	129.825	153.697	222.232	327.033	394.8	578.309
BNGG04502	Mud	13.137	78.427	3.251	6.344	9.836	37.505	99.165	136.497	267.718
BNGG04503	VF-F Sand	143.775	210.215	76.506	106.695	125.831	180.181	261.311	312.786	451.737
BNGG04508	VF-F Sand	108.777	147.695	65.116	87.647	100.897	136.097	183.233	210.179	273.377
BNGG04512	VF-F Sand	142.808	200.744	81.72	110.047	127.322	174.75	243.156	286.163	407.996
BNGG04517	VF-F Sand	148.559	208.408	84.001	113.004	130.872	180.19	251.955	297.598	429.146
BNGG04518	VF-F Sand	138.52	191.507	11.037	12.624	14.142	19.975	105.274	132.855	197.013
BNGG04521	VF-F Sand	152.121	215.001	87.285	118.209	137.111	189.058	263.497	309.513	433.544
BNGG04526	VF-F Sand	184.749	274.346	94.742	138.809	165.42	239.61	347.785	413.995	578.511
BNGG04530	VF-F Sand	210.893	277.319	112.619	155.331	181.888	253.823	350.676	405.161	526.054
BNGG04532	Mud	9.4	36.163	3.137	5.321	7.128	13.49	25.88	36.17	118
BNGG04537	VF-F Sand	110.445	148.453	56.143	73.884	85.979	121.339	175.832	211.682	321.615
BNGG04541	VF-F Sand	86.957	143.991	46.841	66.668	79.146	115.343	172.729	211.964	336.805
BNGG04546	VF-F Sand	164.34	234.652	83.739	123.576	147.24	211.402	299.769	350.881	469.145
BNGG04550	VF-F Sand	235.035	351.617	108.961	174.089	211.666	312.861	453.282	535.826	732.811
BNGG04555	VF-F Sand	277.556	374.221	142.835	209.21	246.519	344.115	473.192	546.046	712.549
BNGG04559	VF-F Sand	229.076	285.221	115.689	157.249	184.373	259.371	361.438	418.626	543.746
BNGG04564	M-C Sand	280.441	457.659	109.16	213.391	274.458	424.615	614.822	717.681	919.218
BNGG04569	VF-F Sand	338.304	472.319	159.602	257.513	307.371	437.091	610.91	708.334	907.791
BNGG04573	M-C Sand	397.307	550.581	163.017	311.041	374.794	530.974	721.371	816.109	980.889
BNGG04577	Mud	10.96	69.35	3.293	5.927	8.379	18.135	37.077	51.774	502.447
BNGG04578	M-C Sand	242.878	429.479	120.216	221.029	269.059	393.023	560.05	655.479	863.441
BNGG04581	VF-F Sand	165.527	305.487	73.576	142.523	177.049	268.519	397.196	474.164	661.583
BNGG04585	VF-F Sand	223.103	298.174	121.93	174.626	203.825	279.51	376.949	429.899	542.93
BNGG04588	VF-F Sand	124.44	259.704	3.194	3.473	3.773	5.034	8.492	15.029	70.691
BNGG04591	VF-F Sand	201.779	276.226	112.172	158.82	185.557	256.145	349.379	401.24	514.824
BNGG05002	Mud	6.283	13.112	2.419	3.601	4.547	7.981	15.327	21.551	44.389
BNGG05003	Mud	69.253	144.025	32.091	51.222	63.4	100.979	170.094	224.623	414.689
BNGG05005	Mud	25.178	130.605	5.204	15.789	30.505	83.05	170.057	234.77	436.479
BNGG05006	VF-F Sand	75.367	185.434	21.526	94.838	119.128	174.495	244.43	283.281	369.496

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG05008	VF-F Sand	94.287	158.677	47.423	72.644	87.642	130.042	194.445	236.447	361.496
BNGG05011	VF-F Sand	169.952	227.336	99.528	134.182	154.71	209.224	282.302	324.15	422.315
BNGG05012	VF-F Sand	94.554	155.336	48.977	71.041	84.962	125.28	188.352	230.607	360.782
BNGG05015	VF-F Sand	161.491	228.711	86.158	121.2	142.979	203.466	289.251	340.249	462.728
BNGG05020	VF-F Sand	140.065	206.234	81.048	118.435	138.267	189.825	258.732	298.467	392.436
BNGG05021	VF-F Sand	161.379	219.18	12.899	14.922	16.786	23.399	122.188	156.648	232.063
BNGG05024	VF-F Sand	155.071	214.15	90.959	123.935	143.26	194.85	265.412	306.938	408.466
BNGG05029	VF-F Sand	182.962	274.098	96.181	133.695	157.715	227.653	338.951	414.422	627.73
BNGG05034	M-C Sand	162.184	215.672	97.161	129.763	149	199.823	267.463	305.848	394.073
BNGG05038	VF-F Sand	153.301	216.367	88.117	119.702	138.899	191.578	267.022	313.447	434.47
BNGG05043	VF-F Sand	141.47	207.366	80.493	108.77	126.141	174.47	246.677	294.623	449.867
BNGG05047	VF-F Sand	163.191	202.187	86.277	112.184	129.535	178.751	249.482	292.155	399.071
BNGG05052	VF-F Sand	147.003	203.568	85.197	115.233	133.274	182.09	250.296	291.449	397.895
BNGG05056	VF-F Sand	142.02	199.513	81.634	112.506	130.938	180.589	248.927	289.059	386.474
BNGG05061	M-C Sand	167.207	251.71	86.038	122.77	146.351	214.249	316.87	381.767	551.41
BNGG05064	M-C Sand	119.114	260.291	2.74	2.969	3.207	4.229	6.899	10.816	32.448
BNGG05066	M-C Sand	185.324	250.022	99.614	138.458	162.453	227.817	316.81	367.4	480.95
BNGG05067	M-C Sand	212.169	362.551	91.358	170.191	214.147	326.6	475.425	560.843	760.009
BNGG05072	M-C Sand	230.836	403.416	90.255	182.697	235.893	367.473	537.312	633.206	844.537
BNGG05076	M-C Sand	235.797	408.27	111.233	219.851	264.914	377.331	524.524	608.456	801.668
BNGG05081	VF-F Sand	151.027	237.418	77.942	111.679	133.384	196.912	296.815	362.69	543.848
BNGG05085	M-C Sand	189.914	320.96	92.529	149.425	184.149	281.123	418.34	498.954	690.802
BNGG05087	Mud	12.09	75.24	3.258	6.331	9.429	23.572	56.736	83.415	448.061
BNGG05088	Mud	14.119	49.73	3.627	7.781	12.159	29.991	61.779	82.327	139.433
BNGG05090	Mud	13.466	58.061	3.277	7.572	12.284	29.997	59.534	79.691	152.373
BNGG05502	Mud	17.026	59.564	1.858	2.216	2.513	3.606	5.982	7.999	15.808
BNGG05506	VF-F Sand	47.044	166.905	11.16	42.292	74.459	140.112	226.813	280.432	422.217
BNGG05511	VF-F Sand	120.567	167.462	70.609	95.706	110.76	151.347	207.271	240.267	322.233
BNGG05515	VF-F Sand	105.53	231.548	38.517	115.512	142.195	209.956	301.544	354.735	478.866
BNGG05518	VF-F Sand	49.276	207.446	1.841	2.167	2.435	3.371	5.331	7.07	14.997
BNGG05520	VF-F Sand	162.581	191.021	91.666	116.206	132.035	175.056	233.229	266.596	345.195
BNGG05521	VF-F Sand	138.786	191.376	10.95	12.351	13.749	18.784	102.221	131.509	197.056
BNGG05524	VF-F Sand	127.382	148.909	71.928	91.278	103.742	137.459	182.389	207.668	265.144
BNGG05529	VF-F Sand	125.711	171.376	71.36	96.789	112.354	154.596	212.891	247.183	331.353
BNGG05534	VF-F Sand	126.917	175.492	72.141	98.323	114.239	157.442	217.445	253.13	342.622
BNGG05538	VF-F Sand	123.634	180.261	65.902	91.314	107.62	154.081	223.166	266.73	385.566
BNGG05543	VF-F Sand	149.714	236.063	75.953	107.788	128.548	190.203	291.292	361.69	567.645
BNGG05546	Mud	8.695	16.631	3.059	5.08	6.714	12.223	21.676	28.034	45.621
BNGG05550	Mud	11.805	42.922	3.456	6.498	9.265	19.976	42.245	59.728	128.123
BNGG05555	Mud	78.957	157.18	31.244	62.779	79.86	127.215	198.819	245.246	379.201
BNGG05556	VF-F Sand	53.436	134.147	2.065	2.328	2.623	3.818	7.359	11.713	40.775
BNGG05559	Mud	9.14	33.02	2.669	4.872	7.053	16.032	33.164	45.635	89.044

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG05563	VF-F Sand	99.178	186.582	43.634	83.934	104.303	159.538	239.856	289.789	420.306
BNGG05567	M-C Sand	170.06	311.842	76.192	151.749	189.191	284.13	408.209	478.076	636.991
BNGG05572	M-C Sand	204.359	451.043	76.795	212.15	276.72	423.001	606.32	706.628	908.76
BNGG05576	M-C Sand	251.503	503.497	90.524	285.073	340.201	478.014	656.557	753.132	939.245
BNGG05578	M-C Sand	121.273	479.682	2.381	2.634	2.928	4.07	6.725	9.111	20.267
BNGG05579	Mud	7.352	17.461	2.517	4.04	5.361	10.517	21.566	30.117	56.766
BNGG05584	Mud	11.27	40.911	3.023	5.825	8.905	23.381	49.638	66.772	115.376
BNGG05591		9.123	31.31	2.256	4.673	7.86	20.674	44.109	59.255	97.325
BNGG06002	Mud	7.896	90.5	2.145	3.605	5.172	19.006	78.027	129.973	533.522
BNGG06006	Mud	13.135	56.185	3.32	7.606	11.65	26.516	53.92	73.326	144.461
BNGG06011	VF-F Sand	135.82	250.587	87.643	138.199	162.844	227.037	315.107	367.569	498.291
BNGG06015	VF-F Sand	56.738	236.436	13.451	47.926	103.872	203.306	327.033	402.105	593.472
BNGG06020	VF-F Sand	92.273	202.621	52.303	90.372	109.375	162.705	246.966	305.969	500.621
BNGG06024	VF-F Sand	122.011	192.752	66.395	95.338	112.892	162.163	235.639	282.968	422.007
BNGG06026	VF-F Sand	116.161	203.434	7.093	8.503	9.771	13.997	26.606	82.615	149.136
BNGG06029	VF-F Sand	127.377	201.87	69.239	101.303	120.492	174.209	253.255	302.69	433.74
BNGG06034	VF-F Sand	122.07	171.45	72.066	98.715	114.459	156.612	213.85	246.934	325.614
BNGG06035	Mud	6.663	134.056	1.678	3.156	5.212	31.297	112.284	276.808	724.898
BNGG06037	Mud	10.416	78.533	2.662	5.083	7.785	23.6	69.908	111.37	410.525
BNGG06038	Mud	12.12	90.149	2.857	6.037	9.872	31.187	116.95	190.005	373.661
BNGG06040	Mud	8.61	60.335	2.278	4.379	6.835	20.01	53.158	86.767	260.23
BNGG06041	Mud	13.107	102.358	2.983	7.258	12.791	48.338	130.469	191.155	393.339
BNGG06044	Mud	17.489	109.306	3.643	9.709	17.927	64.749	141.458	195.277	383.006
BNGG06046	M-C Sand	115.172	285.511	40.071	140.566	175.087	260.624	374.331	439.45	589.932
BNGG06050	M-C Sand	144.466	300.68	60.739	148.859	183.027	270.749	390.064	459.738	625.476
BNGG06055	M-C Sand	185.217	384.177	64.771	189.261	236.753	351.412	502.9	590.827	796.417
BNGG06056	M-C Sand	130.642	315.513	2.768	3.049	3.358	4.487	6.985	9.829	31.452
BNGG06059	M-C Sand	180.75	341.052	84.1	176.219	213.472	309.341	439.014	514.436	693.7
BNGG06064	M-C Sand	236.219	430.516	150.075	238.297	281.961	396.182	550.741	639.811	840.88
BNGG06067	Mud	8.568	68.127	2.543	4.487	6.315	14.012	33.37	52.833	507.233
BNGG06069	M-C Sand	182.037	389.05	68.443	195.432	241.13	355.099	507.69	596.275	802.407
BNGG06073	M-C Sand	203.356	356.735	92.589	160.096	199.187	309.983	471.015	566.69	789.759
BNGG06078	M-C Sand	280.012	497.611	105.405	250.206	316.651	473.256	666.753	767.432	952.503
BNGG06079	M-C Sand	279.169	524.741	5.827	6.298	6.801	9.118	14.457	21.27	146.065
BNGG06082	M-C Sand	232.684	432.578	91.36	211.35	266.513	399.702	572.444	669.635	876.985
BNGG06085	M-C Sand	208.466	384.07	89.548	178.168	224.884	345.564	507.421	600.693	813.665
BNGG06502	Mud	12.832	54.225	3.36	7.065	10.865	25.562	52.956	73.28	169.485
BNGG06506	Mud	10.549	45.209	3.357	5.909	8.031	15.668	32.608	50.589	186.052
BNGG06511	Mud	10.699	24.246	1.866	2.251	2.571	3.752	6.199	8.117	14.474
BNGG06515	Mud	9.939	21.938	1.867	2.248	2.562	3.71	6.04	7.846	13.757
BNGG06520	Mud	15.322	40.381	1.848	2.203	2.505	3.657	6.339	8.709	17.676
BNGG06524	Mud	14.634	41.152	1.867	2.241	2.547	3.678	6.131	8.217	16.24

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG06529	Mud	26.666	83.83	1.847	2.198	2.496	3.624	6.165	8.368	18.445
BNGG06532	VF-F Sand	44.525	100.969	2.065	2.34	2.666	4.029	7.453	10.778	43.146
BNGG06534	VF-F Sand	19.042	55.449	1.839	2.175	2.461	3.5	5.784	7.846	17.729
BNGG06538	Mud	6.372	18.134	1.331	1.589	1.786	2.423	3.591	4.485	7.689
BNGG06543	Mud	5.223	10.59	0.596	0.794	1.419	2.202	3.405	4.27	7.088
BNGG06546	Mud	15.733	110.104	1.466	1.741	1.958	2.677	4.079	5.211	9.626
BNGG06547	VF-F Sand	23.717	168.628	1.571	1.83	2.044	2.769	4.233	5.455	10.488
BNGG06552	VF-F Sand	54.075	265.567	11.479	67.487	123.061	236.135	371.371	448.682	633.214
BNGG06553	VF-F Sand	106.836	288.045	35.247	121.417	158.913	252.478	381.843	459.318	649.651
BNGG06558	VF-F Sand	132.336	301.262	42.854	150.816	190.823	282.486	397.324	460.572	600.106
BNGG06559	VF-F Sand	129.651	330.003	3.2	3.493	3.826	5.225	8.842	13.55	43.148
BNGG06563	VF-F Sand	191.256	386.413	78.354	195.749	241.63	354.492	502.796	588.048	786.465
BNGG06567	M-C Sand	259.143	485.699	160.295	272.753	323.026	454.192	629.59	726.781	921.132
BNGG06572	M-C Sand	290.619	522.166	122.258	288.534	348.35	498.27	688.121	786.294	963.514
BNGG06576	VF-F Sand	191.792	364.078	71.638	207.032	244.883	340.12	464.006	533.531	691.273
BNGG06581	VF-F Sand	123.134	363.671	39.481	143.106	204.979	331.54	492.553	585.835	802.138
BNGG06587	VF-F Sand	211.306	292.674	114.69	165.084	193.841	270.164	371.605	428.164	552.714
BNGG06588	VF-F Sand	100.053	267.359	2.374	2.606	2.866	3.873	6.297	9.222	27.345
BNGG06591	Mud	93.302	322.186	32.13	117.95	164.558	277.827	436.652	533.563	766.914
BNGG07002	Mud	9.465	63.191	2.708	4.872	6.993	17.013	41.108	60.03	437.276
BNGG07006	Mud	9.393	45.225	2.948	5.216	7.186	14.498	29.312	41.044	90.686
BNGG07009	VF-F Sand	29.088	111.419	6.935	19.081	32.813	87.886	152.059	189.547	292.251
BNGG07011	VF-F Sand	54.84	140.287	14.402	54.661	75.661	120.879	180.89	217.359	316.144
BNGG07012	VF-F Sand	133.389	206.594	69.542	105.696	125.834	180.679	259.446	308.029	435.452
BNGG07014	VF-F Sand	83.724	191.699	2.356	2.557	2.775	3.814	8.971	15.025	44.482
BNGG07017	VF-F Sand	80.158	175.566	25.454	74.665	93.602	143.898	219.374	269.279	420.408
BNGG07021	Mud	11.697	56.85	3.238	6.542	9.566	20.985	43.816	61.573	148.681
BNGG07026	Mud	17.278	100.339	3.651	9.635	17.296	58.235	122.567	165.987	341.055
BNGG07027	VF-F Sand	43.464	142.417	10.179	45.509	70.478	120.308	187.262	228.997	344.996
BNGG07029	VF-F Sand	92.957	142.662	49.33	76.721	91.297	130	182.466	212.504	281.601
BNGG07034	VF-F Sand	106.975	160.137	62.155	87.592	102.12	141.031	195.124	227.729	314.355
BNGG07038	VF-F Sand	88.886	179.891	30.762	88.444	107.666	158.335	230.03	273.684	385.65
BNGG07043	M-C Sand	173.244	330.064	75.209	171.938	209.591	303.578	426.615	496.396	657.298
BNGG07046	M-C Sand	161.427	326.418	3.719	4.051	4.429	6.097	11.482	20.269	103.178
BNGG07047	M-C Sand	126.966	276.129	49.126	131.537	165.728	251.441	364.112	427.775	572.558
BNGG07052	M-C Sand	129.812	280.545	54.312	89.701	115.264	211.509	388.426	494.566	741.921
BNGG07056	VF-F Sand	79.258	160.012	34.186	60.92	75.813	118.978	191.255	244.612	435.556
BNGG07061	VF-F Sand	74.214	171.163	31.1	61.359	78.024	127.753	213.207	274.511	465.056
BNGG07063	VF-F Sand	91.698	178.915	39.07	70.564	87.832	137.542	219.056	277.116	467.63
BNGG07067	VF-F Sand	87.642	196.868	38.174	74.471	94.216	152.713	250.806	318.857	511.816
BNGG07069	M-C Sand	158.879	360.972	64.814	149.357	193.625	313.795	485.745	588.108	820.702
BNGG07073	M-C Sand	291.559	515.72	101.785	286.344	345.702	491.904	678.12	776.21	956.818

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG07078	M-C Sand	218.561	408.203	91.942	217.59	263.711	378.275	527.567	611.979	804.094
BNGG07082	M-C Sand	326.203	460.21	177.496	264.04	309.543	427.944	584.996	673.425	866.387
BNGG07087	M-C Sand	226.906	444.673	92.688	243.721	292.691	414.753	574.86	665.292	863.192
BNGG07090	M-C Sand	198.786	439.609	4.314	4.678	5.077	6.832	11.049	16.55	64.845
BNGG07091	M-C Sand	12.703	57.126	3.204	7.141	11.155	26.284	53.247	72.31	143.636
BNGG07502	Mud	6.893	79.508	2.123	3.415	4.712	10.765	37.234	84.209	564.938
BNGG07506	Mud	15.968	70.7	3.616	9.858	16.375	38.645	75.726	102.007	210.319
BNGG07511	Mud	13.417	67.137	3.268	7.479	11.839	29.803	64.964	91.031	218.763
BNGG07515	Mud	10.82	59.253	2.728	5.992	9.265	21.944	47.999	68.741	183.722
BNGG07518	VF-F Sand	101.275	160.011	51.773	83.358	99.692	143.299	203.869	239.668	326.908
BNGG07520	Peat	16.078	125.808	3.968	8.06	12.453	41.131	127.08	238.15	612.816
BNGG07521	VF-F Sand	103.577	200.675	69.091	109.63	130.25	184.073	256.17	297.402	392.914
BNGG07526	VF-F Sand	131.694	212.587	72.108	102.014	120.617	174.199	258.332	315.736	494.447
BNGG07527	Mud	8.758	73.656	2.611	4.695	6.58	13.786	31.493	54.167	556.433
BNGG07532	Mud	8.615	72.29	2.412	4.691	6.939	14.601	30.351	45.313	584.276
BNGG07537	Mud	10.321	59.478	2.977	5.76	8.215	17.185	35.549	51.363	390.872
BNGG07540	VF-F Sand	75.648	166.203	23.216	72.499	91.966	142.125	213.792	258.471	378.984
BNGG07541	VF-F Sand	85.999	170.714	36.228	80.772	99.062	147.437	216.248	258.683	372.538
BNGG07544	VF-F Sand	128.367	203.574	62.254	101.258	122.296	179.14	259.87	308.752	430.96
BNGG07549	VF-F Sand	142.325	270.009	62.568	133.267	163.96	242.963	350.415	413.124	561.267
BNGG07553	VF-F Sand	180.014	338.395	71.407	187.491	224.065	315.358	433.794	500.125	650.527
BNGG07555	VF-F Sand	134.589	283.085	3.196	3.478	3.786	5.095	9.118	16.786	62.868
BNGG07558	VF-F Sand	138.221	257.799	60.608	122.967	152.239	229.572	336.536	399.041	546.129
BNGG07563	VF-F Sand	137.654	254.595	81.315	135.237	161.65	231.338	326.574	381.742	509.726
BNGG07566	Mud	10.689	78.517	2.832	5.685	8.428	20.008	51.213	85.653	497.951
BNGG07567	VF-F Sand	190.603	274.831	103.332	155.069	182.548	254.38	349.542	402.853	520.904
BNGG07576	VF-F Sand	359.45	466.75	213.182	282.049	322.873	431.807	579.888	665.464	857.785
BNGG07581	VF-F Sand	281.536	405.276	148.39	224.699	265.034	370.865	514.024	596.932	790.983
BNGG07585	VF-F Sand	296.659	401.131	178.632	244.27	280.27	373.286	495.872	565.864	731.835
BNGG07590	VF-F Sand	175.241	380.245	3.697	3.986	4.273	5.521	8.011	10.332	38.7
BNGG07591	VF-F Sand	366.631	466.137	231.692	298.758	337.21	436.859	568.223	643.41	819.054
BNGG08002	Mud	18.05	129.351	4.381	9.338	14.869	44.218	134.629	254.136	608.422
BNGG08005	Mud	8.475	12.682	3.524	5.357	6.665	10.569	16.426	20.027	29.16
BNGG08006	VF-F Sand	124.691	175.468	73.512	100.255	116.057	158.429	216.764	251.356	338.236
BNGG08011	VF-F Sand	64.034	183.087	18.284	62.254	80.141	130.167	219.515	293.256	553.003
BNGG08015	M-C Sand	240.81	334.092	126.19	190.976	225.066	312.548	424.845	486.08	618.646
BNGG08020	M-C Sand	137.393	280.976	55.185	117.54	154.339	250.62	376.851	447.826	609.887
BNGG08024	VF-F Sand	108.936	160.419	62.847	87.194	101.673	141.15	197.188	231.434	322.093
BNGG08029	M-C Sand	176.959	309.25	91.446	160.316	195.163	284.292	400.674	465.656	610.811
BNGG08034	M-C Sand	150.257	257.457	88.808	135.917	162.08	232.51	329.832	386.29	516.849
BNGG08038	VF-F Sand	135.456	178.54	85.474	112.655	128.118	167.885	219.105	247.589	312.652
BNGG08043	VF-F Sand	75.84	183.345	26.773	64.779	86.112	145.811	238.438	299.514	468.889

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG08047	Mud	13.7	65.739	3.67	7.305	10.859	26.704	66.693	100.022	263.911
BNGG08052	Mud	13.568	60.126	3.642	7.249	10.776	26.335	65.334	97.533	220.159
BNGG08056	Mud	15.264	68.25	3.903	8.24	12.699	33.063	74.808	104.604	244.241
BNGG08061	Mud	13.302	52.243	3.591	7.174	10.713	26.426	57.941	78.145	142.733
BNGG08064	VF-F Sand	98.119	180.849	60.049	101.955	120.353	167.392	229.628	265.134	347.853
BNGG08069	M-C Sand	107.565	197.067	57.964	104.201	125.189	180.027	254.039	296.399	393.117
BNGG08070	M-C Sand	90.403	204.553	2.36	2.566	2.789	3.781	7.2	11.729	30.881
BNGG08073	M-C Sand	136.101	276.763	51.464	119.376	155.586	248.202	370.256	439.037	595.011
BNGG08074		6.797	12.794	2.555	3.972	5.1	8.976	15.984	20.933	36.006
BNGG08075	M-C Sand	92.198	275.647	27.273	92.718	127.706	229.813	379.124	466.302	673.88
BNGG08076	VF-F Sand	114.695	179.63	62.205	94.249	112.121	160.543	228.391	268.703	366.478
BNGG08081	M-C Sand	145.449	269.541	64.973	133.876	165.704	246.689	353.01	412.58	545.404
BNGG08085	M-C Sand	142.172	280.005	64.952	125.126	156.75	243.485	367.692	441.43	617.594
BNGG08088	M-C Sand	229.02	433.296	6.844	7.519	8.338	11.79	28.461	53.518	221.344
BNGG08090	M-C Sand	217.286	412.738	75.61	190.485	251.612	384.27	548.728	641.016	845.654
BNGG08091	M-C Sand	196.559	385.049	80.557	178.131	227.722	349.621	509.237	600.826	810.44
BNGG08502	VF-F Sand	15.494	59.247	4.077	8.878	13.292	31.235	67.489	92.336	177.557
BNGG08506	VF-F Sand	100.421	184.328	46.315	71.983	89.051	143.192	237.695	301.372	467.68
BNGG08511	VF-F Sand	100.221	210.757	44.992	69.779	86.558	143.255	265.387	362.109	624.835
BNGG08515	VF-F Sand	147.439	188.898	78.035	100.943	116.31	160.072	224.375	264.987	384.808
BNGG08520	VF-F Sand	156.43	227.378	82.296	115.786	136.649	195.339	282.225	337.258	486.645
BNGG08524	VF-F Sand	151.354	225.444	80.052	111.982	132.131	189.616	277.266	334.705	499.876
BNGG08529	VF-F Sand	119.338	187.387	62.248	88.261	104.564	151.296	224.117	273.841	439.48
BNGG08532	VF-F Sand	109.831	177.207	7.19	8.605	9.757	13.827	63.945	88.718	146.335
BNGG08534	VF-F Sand	120.784	186.403	63.649	88.177	104.026	150.253	223.614	274.116	437.839
BNGG08538	VF-F Sand	100.169	159.946	51.138	73.075	87.236	128.617	193.915	237.942	374.199
BNGG08543	VF-F Sand	115.858	190.507	53.977	84.136	102.714	156.726	241.31	296.606	447.22
BNGG08547	VF-F Sand	77.607	152.986	24.645	67.139	85.377	132.111	198.291	238.941	344.45
BNGG08552	VF-F Sand	169.745	297.581	65.537	144.559	183.653	276.087	391.745	455.27	595.101
BNGG08556	VF-F Sand	194.636	286.176	91.257	154.224	184.655	263.253	367.5	426.294	558.04
BNGG08559	VF-F Sand	199.464	281.21	15.335	18.648	21.274	30.056	135.418	187.188	287.985
BNGG08561	VF-F Sand	214.063	282.882	127.998	172.917	198.606	265.446	351.956	399.619	504.461
BNGG08566	VF-F Sand	212.439	303.708	102.55	164.72	196.72	279.336	388.408	449.857	588.423
BNGG08570	VF-F Sand	175.043	289.199	78.2	127.834	157.255	241.034	370.885	455.406	676.789
BNGG08575	VF-F Sand	146.883	192.115	87.181	115.951	133.009	178.075	237.754	271.495	349.303
BNGG08579	VF-F Sand	154.876	224.127	78.879	119.061	141.754	202.7	286.386	334.752	446.197
BNGG08585	VF-F Sand	198.176	344.349	74.098	153.988	200.922	312.56	454.683	535.396	724.388
BNGG08588	M-C Sand	220.275	417.554	5.845	6.352	6.939	9.696	21.691	46.688	198.175
BNGG08591	VF-F Sand	245.325	349.463	103.137	184.552	224.488	323.531	450.058	520.25	677.592
BNGG09002	Peat	20.161	137.891	4.408	11.412	19.776	60.98	156.084	257.756	599.051
BNGG09003	Mud	61.527	139.081	26.055	47.336	59.988	98.548	169.206	224.138	400.206
BNGG09008	VF-F Sand	90.62	153.126	46.504	70.495	84.901	125.677	187.441	227.526	345.747

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG09012	VF-F Sand	92.716	154.299	48.051	69.472	82.958	121.918	182.934	224.36	363.203
BNGG09017	VF-F Sand	76.88	125.655	40.638	60.163	71.67	103.421	149.478	178.264	260.307
BNGG09021	VF-F Sand	91.278	177.187	39.188	70.966	89.046	140.68	222.58	278.168	442.59
BNGG09026	VF-F Sand	70.399	131.678	30.482	52.538	66.202	106.241	169.061	209.741	319.943
BNGG09030	M-C Sand	109.054	252.284	37.898	80.433	111.873	207.53	345.521	427.026	624.813
BNGG09034	M-C Sand	105.363	276.698	3.771	4.248	4.845	7.121	15.102	36.913	84.197
BNGG09035	VF-F Sand	75.655	176.575	28.044	58.007	79.155	143.916	240.274	298.262	439.844
BNGG09040	M-C Sand	125.491	291.651	37.122	125.812	169.279	265.591	389.021	459.66	625.026
BNGG09044	M-C Sand	88.342	196.221	33.033	66.844	86.98	146.745	249.176	322.582	539.152
BNGG09049	VF-F Sand	78.626	203.706	28.362	62.378	81.582	141.723	259.06	349.78	607.134
BNGG09053	VF-F Sand	118.632	178.216	59.441	86.543	103.755	152.989	226.075	271.223	386.389
BNGG09058	VF-F Sand	90.727	178.164	31.529	84.693	104.969	157.918	231.698	275.65	382.711
BNGG09063	VF-F Sand	115.373	177.857	56.112	92.239	111.035	160.8	228.57	267.751	358.952
BNGG09067	VF-F Sand	60.025	147.871	16.595	49.364	71.621	124.037	196.658	241.744	361.35
BNGG09072	M-C Sand	128.689	267.108	44.268	102.157	140.341	237.625	362.785	433.177	593.525
BNGG09076	M-C Sand	189.563	261.691	105.143	149.377	174.752	241.942	331.224	381.177	491.413
BNGG09081	M-C Sand	149.909	258.975	62.618	123.887	154.548	232.837	338.208	399.177	541.09
BNGG09085	M-C Sand	145.466	286.68	58.172	100.09	130.643	233.399	391.695	484.141	702.92
BNGG09090	M-C Sand	113.812	213.482	52.886	81.753	100.932	161.814	270.527	347.205	561.137
BNGG09091	M-C Sand	100.551	196.214	36.569	76.854	100.105	165.624	261.604	319.576	460.264
BNGG09502	Mud	19.956	62.099	4.677	14.045	22.218	41.973	69.633	87.322	145.219
BNGG09506	Mud	10.668	40.016	3.321	5.866	8.073	16.492	35.841	54.08	133.764
BNGG09511	VF-F Sand	117.279	183.058	63.048	91.976	109.174	157.143	227.78	272.295	394.02
BNGG09515	VF-F Sand	11.234	24.879	3.37	6.289	9.07	19.121	35.065	44.606	66.611
BNGG09520	VF-F Sand	38.291	99.403	10.351	29.89	44.062	80.271	130.452	161.837	248.568
BNGG09524	VF-F Sand	186.634	225.399	100.281	130.153	149.85	204.541	280.081	323.59	423.227
BNGG09527	VF-F Sand	122.08	168.115	9.597	11.138	12.468	17.262	91.016	116.668	173.992
BNGG09529	VF-F Sand	181.358	217.166	98.568	127.108	145.945	198.07	269.363	309.962	402.102
BNGG09534	VF-F Sand	43.157	143.31	10.92	29.393	54.806	123.687	202.713	248.175	358.511
BNGG09538	VF-F Sand	104.571	203.952	45.52	79.854	98.807	154.171	249.592	321.636	553.158
BNGG09540	Mud	9.879	20.99	3.283	5.615	7.554	14.641	28.862	38.586	60.304
BNGG09544	Mud	12.151	29.476	3.821	7.076	9.726	18.746	35.729	48.842	93.295
BNGG09549	VF-F Sand	111.494	179.401	58.858	88.094	105.447	154.265	226.8	272.222	390.737
BNGG09553	VF-F Sand	108.182	154.718	62.524	87.809	102.347	141.08	193.744	224.291	297.214
BNGG09555	VF-F Sand	79.179	167.857	2.374	2.619	2.942	4.631	10.06	15.76	72.071
BNGG09558	VF-F Sand	110.791	199.977	51.613	93.453	115.235	174.32	258.931	310.2	436.755
BNGG09563	VF-F Sand	116.551	214.365	67.958	112.655	134.98	194.093	275.159	322.304	432.579
BNGG09567	VF-F Sand	112.558	216.944	45.562	104.479	129.965	195.654	284.501	335.641	452.944
BNGG09572	VF-F Sand	126.507	191.08	65.286	98.975	118.04	169.773	242.604	286.132	393.434
BNGG09576	VF-F Sand	82.666	172.307	33.774	69.248	87.289	138.702	221.023	275.967	426.139
BNGG09581	VF-F Sand	211.139	385.401	81.961	175.811	224.037	346.074	510.727	606.479	823.946
BNGG09585	VF-F Sand	174.757	272.636	82.902	128.158	155.952	235.156	351.991	422.645	593.692

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG09587	VF-F Sand	249.889	429.951	6.767	7.294	7.842	10.65	28.873	56.84	260.67
BNGG09591	VF-F Sand	227.314	330.906	88.201	173.962	213.51	308.906	428.52	494.045	638.053
BNGG10002	Mud	16.638	39.91	4.33	10.376	16.043	32.621	55.928	69.642	101.905
BNGG10003	VF-F Sand	83.311	117.422	48.873	67.564	78.486	107.531	146.718	169.264	222.483
BNGG10008	VF-F Sand	166.611	221.414	97.912	132.676	152.732	205.182	274.606	314.061	405.591
BNGG10012	M-C Sand	200.234	261.919	117.561	157.075	180.546	242.668	325.124	371.749	477.838
BNGG10017	M-C Sand	161.313	211.246	94.807	126.237	145.019	194.805	261.424	299.505	388.474
BNGG10021	VF-F Sand	147.069	177.404	79.604	102.647	117.933	160.503	219.457	253.565	333.558
BNGG10029	VF-F Sand	140.947	309.368	76.303	138.265	170.603	261.667	401.392	490.423	714.838
BNGG10032	Mud	13.249	33.391	3.737	7.719	11.295	23.542	44.581	58.699	97.019
BNGG10037	VF-F Sand	116.178	188.442	60.624	86.875	103.577	152.498	230.603	283.902	445.44
BNGG10041	VF-F Sand	154.518	347.449	55.808	124.85	171.766	300.809	477.521	579.701	810.102
BNGG10046	VF-F Sand	111.113	209.962	49.15	86.672	108.654	172.178	270.535	333.91	502.929
BNGG10050	VF-F Sand	77.556	153.905	30.737	59.998	76.849	125.338	200.506	248.516	375.031
BNGG10055	M-C Sand	94.417	170.506	46.93	71.638	87.115	133.612	211.743	266.37	426.488
BNGG10059	VF-F Sand	105.735	177.929	50.919	82.313	100.391	151.346	227.459	275.119	398.658
BNGG10061	M-C Sand	154.29	273.723	60.714	109.297	145.048	243.555	369.834	439.61	596.75
BNGG10066	M-C Sand	222.855	304.809	123.618	173.768	203.207	281.644	385.837	443.9	571.446
BNGG10070	VF-F Sand	176.603	241.069	95.636	133.11	156.146	218.981	305.226	354.649	466.873
BNGG10075	M-C Sand	258.442	359.796	131.243	204.471	241.096	334.584	456.061	523.71	675.513
BNGG10079	M-C Sand	212.766	321.542	91.483	156.482	193.101	289.318	418.085	491.518	661.137
BNGG10084	M-C Sand	248.131	375.657	113.129	183.703	224.717	335.347	487.93	576.867	784.023
BNGG10088	M-C Sand	227.648	331.869	106.803	174.685	210.195	302.635	425.888	495.884	656.322
BNGG10091	M-C Sand	233.466	339.667	106.311	175.973	212.736	308.392	436.322	509.4	679.067
BNGG10502	Mud	9.924	52.915	3.336	5.611	7.458	14.088	28.171	40.493	373.927
BNGG10506	VF-F Sand	100.896	202.09	45.138	77.595	97.97	161.615	266.42	333.137	499.868
BNGG10511	VF-F Sand	128.052	262.797	55.755	93.266	118.463	201.95	349.648	446.067	685.492
BNGG10515	VF-F Sand	120.438	254.894	51.022	84.749	107.742	187.363	340.412	443.063	696.079
BNGG10517	VF-F Sand	87.006	205.876	2.774	3.11	3.622	6.059	11.349	16.645	79.337
BNGG10518	Mud	25.059	111.2	5.579	14.662	26.62	79.947	150.543	198.09	341.315
BNGG10521	VF-F Sand	121.966	229.935	57.787	88.025	108.064	172.329	291.715	378.11	613.15
BNGG10526	VF-F Sand	153.676	228.678	81.365	115.096	136.351	196.867	287.226	344.005	491.481
BNGG10530	VF-F Sand	179.617	249.762	97.064	134.463	157.771	222.551	314.77	369.758	501.651
BNGG10535	VF-F Sand	145.987	241.099	72.595	110.085	133.105	199.69	303.973	372.676	559.896
BNGG10540	VF-F Sand	156.225	262.33	90.628	142.049	169.524	241.335	336.696	390.214	508.948
BNGG10544	VF-F Sand	188.72	261.336	98.825	145.233	171.793	241.779	333.629	384.338	494.173
BNGG10549	VF-F Sand	128.117	195.714	67.041	96.657	115.213	168.217	247.427	296.867	423.648
BNGG10553	VF-F Sand	115.104	194.07	50.867	90.062	110.749	167.206	249.25	300.014	430.442
BNGG10555	VF-F Sand	85.974	206.057	2.375	2.618	2.919	4.315	8.763	13.079	58.102
BNGG10558	VF-F Sand	186.725	268.099	95.159	142.139	169.655	243.702	344.05	400.889	527.94
BNGG10563	VF-F Sand	169.945	252.277	86.59	131.367	157.206	227.171	323.716	379.513	507.778
BNGG10567	VF-F Sand	145.265	223.592	72.258	109.003	131.227	193.799	286.065	342.744	482.449

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG10569	VF-F Sand	134.268	281.874	54.069	136.276	170.566	256.4	369.975	434.691	582.683
BNGG10573	VF-F Sand	243.592	316.954	145.36	194.945	223.527	297.643	393.256	445.861	561.917
BNGG10578	VF-F Sand	279.081	374.521	154.728	214.109	249.303	343.44	470.092	542.186	708.183
BNGG10579	Mud	8.91	37.769	2.798	4.78	6.537	13.678	32.059	50.515	126.92
BNGG10584	VF-F Sand	265.105	393.351	103.254	206.474	250.725	361.156	506.543	589.761	782.667
BNGG10585	VF-F Sand	173.248	331.323	3.71	4.023	4.361	5.838	9.756	16.811	118.173
BNGG10588	M-C Sand	198.018	394.237	71.637	174.132	229.534	359.85	527.266	622.491	835.294
BNGG10591	M-C Sand	288.449	409.124	144.959	233.03	274.156	379.29	517.787	596.378	777.887
BNGG11002	Mud	13.44	55.123	3.572	7.065	10.619	27.591	65.342	91.208	175.534
BNGG11006	VF-F Sand	48.152	97.391	22.477	37.411	46.084	70.782	109.677	137.007	245.944
BNGG11008	Mud	10.124	18.603	3.58	6.033	7.941	14.209	24.874	31.872	49.159
BNGG11012	Mud	16.552	51.594	4.331	10.226	15.391	31.595	58.368	76.619	136.642
BNGG11014	VF-F Sand	143.861	252.373	68.294	107.01	130.55	200.609	317.374	399.022	632.582
BNGG11018	VF-F Sand	151.6	176.043	86.537	109.263	123.825	163.018	214.943	244.057	310.187
BNGG11023	M-C Sand	205.84	286.243	109.461	154.9	182.53	257.951	362.503	423.313	565.124
BNGG11027	VF-F Sand	159.998	209.745	95.673	126.487	144.964	194.027	259.503	296.727	382.539
BNGG11032	VF-F Sand	160.278	211.174	95.121	126.331	145.059	194.885	261.661	299.724	387.903
BNGG11037	M-C Sand	163.18	300.835	90.614	148.454	179.017	262.402	383.656	458.568	649.037
BNGG11041	VF-F Sand	215.717	248.298	124.713	156.534	176.862	231.343	302.906	342.546	430.368
BNGG11046	VF-F Sand	200.918	232.83	114.837	145.047	164.346	216.159	284.564	322.735	408.24
BNGG11050	M-C Sand	211.06	367.818	113.909	186.622	225.819	330.128	473.689	558.062	759.063
BNGG11055	M-C Sand	121.43	235.651	58.971	122.045	148.265	215.604	305.666	356.96	473.036
BNGG11059	VF-F Sand	16.384	83.412	4.009	9.026	14.258	36.388	97.43	166.726	339.557
BNGG11064	VF-F Sand	84.552	202.91	27.759	75.439	103.767	173.746	269.914	328.489	477.924
BNGG11069	M-C Sand	241.928	360.836	115.12	184.233	221.982	322.602	462.314	545.133	744.405
BNGG11073	M-C Sand	253.856	330.191	152.486	203.81	233.484	310.321	409.177	463.485	583.532
BNGG11078	VF-F Sand	168.423	243.123	86.94	125.792	149.397	214.77	308.241	364.43	501.449
BNGG11082	M-C Sand	212.792	302.716	107.609	156.171	186.014	268.618	385.28	454.19	618.975
BNGG11085	M-C Sand	270.35	359.036	162.949	220.049	252.408	336.107	444.759	505.307	642.434
BNGG11091	M-C Sand	338.17	388.776	197.356	246.155	277.282	360.742	470.995	533.035	675.956
BNGG11502	Mud	12.78	38.344	3.614	7.091	10.435	23.206	45.417	60.087	102.697
BNGG11503	Mud	10.58	50.172	2.982	5.655	8.274	19.136	41.376	58.55	140.786
BNGG11505	Mud	9.251	34.426	2.772	4.871	6.871	15.653	35.404	50.261	99.18
BNGG11506	VF-F Sand	190.705	290.932	97.707	138.972	165.534	243.03	364.484	444.594	664.973
BNGG11508	VF-F Sand	185.627	294.208	93.493	134.617	161.07	239.632	368.594	457.904	707.791
BNGG11509	VF-F Sand	164.442	233.34	93.671	125.703	145.362	199.668	279.609	331.657	492.172
BNGG11511	VF-F Sand	168.376	263.112	88.409	122.439	144.414	209.114	316.871	397.075	662.443
BNGG11512	VF-F Sand	140.293	190.312	81.145	109.923	127.105	173.2	236.081	272.729	361.556
BNGG11514	VF-F Sand	133.935	156.106	75.686	96.272	109.425	144.71	191.219	217.141	275.605
BNGG11515	VF-F Sand	142.323	190.778	83.51	111.717	128.625	173.887	235.544	271.553	359.327
BNGG11517	VF-F Sand	145.593	193.199	86.807	115.779	132.839	177.965	238.237	272.799	355.376
BNGG11518	VF-F Sand	153.489	186.078	82.585	106.893	122.971	167.801	230.089	266.328	352.528

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG11520	VF-F Sand	156.253	180.253	90.003	113.182	128.014	167.724	219.873	248.819	313.565
BNGG11521	VF-F Sand	157.906	183.575	90.055	113.705	128.885	169.778	224.107	254.674	324.419
BNGG11523	VF-F Sand	135.784	180.341	79.13	106.488	122.858	166.33	224.229	257.085	333.006
BNGG11524	VF-F Sand	145.523	245.4	69.984	104.011	125.925	191.505	302.15	382.766	633.926
BNGG11526	VF-F Sand	132.811	192.044	69.584	97.124	114.875	165.418	239.791	285.882	407.07
BNGG11527	VF-F Sand	182.065	232.3	108.555	142.769	163.223	216.984	287.151	326.147	413.333
BNGG11529	VF-F Sand	176.099	229.63	104.797	139.762	160.348	214.219	284.667	323.953	412.487
BNGG11530	VF-F Sand	173.06	224.081	101.446	135.415	155.582	208.545	277.953	316.733	404.473
BNGG11532	VF-F Sand	184.881	238.974	108.957	145.208	166.646	222.972	296.501	337.366	428.565
BNGG11534	VF-F Sand	177.859	234.316	106.005	142.827	164.129	219.53	291.326	330.979	418.733
BNGG11535	VF-F Sand	185.067	213.614	106.678	134.016	151.51	198.502	260.469	294.997	372.528
BNGG11537	VF-F Sand	183.068	212.122	104.816	132.161	149.673	196.723	258.919	293.712	372.374
BNGG11538	VF-F Sand	13.606	75.795	3.673	7.252	10.645	25.213	72.897	133.231	337.169
BNGG11540	Mud	12.738	59.822	3.567	6.886	9.956	22.327	55.502	97.345	258.98
BNGG11541	Mud	14.694	47.826	4.053	8.38	12.355	27.163	54.705	74.114	137.987
BNGG11543	Mud	14.311	59.078	3.773	7.719	11.679	29.049	66.24	94.022	195.461
BNGG11544	Mud	11.35	44.053	3.373	6.305	8.911	18.715	39.004	55.65	132.793
BNGG11546	Mud	15.965	67.234	4.13	8.857	13.496	32.655	76.148	112.412	240.105
BNGG11547	Mud	7.747	13.429	2.961	4.642	5.932	10.123	17.225	22.043	35.6
BNGG11550	VF-F Sand	141.144	227.906	69.22	102.29	123.241	184.326	281.261	347.356	547.967
BNGG11552	VF-F Sand	146.857	212.566	77.266	111.057	131.482	187.647	267.346	315.338	436.057
BNGG11553	VF-F Sand	142.883	219.622	75.196	104.524	123.29	177.583	263.22	322.615	522.139
BNGG11555	VF-F Sand	142.454	229.898	73.096	104.731	124.83	183.703	279.209	346.696	564.325
BNGG11556	VF-F Sand	166.748	242.674	89.05	124.021	146.046	208.246	300.256	358.302	517.561
BNGG11558	VF-F Sand	149.143	229.105	79.188	110.284	130.041	186.919	275.85	336.897	538.203
BNGG11559	VF-F Sand	169.517	270.538	78.599	123.248	150.485	227.817	344.302	418.363	616.735
BNGG11561	VF-F Sand	161.071	245.921	77.611	118.319	142.964	212.235	313.557	375.612	532.454
BNGG11563	VF-F Sand	193.833	292.373	94.407	141.595	170.905	253.213	372.411	445.19	630.65
BNGG11564	VF-F Sand	97.024	188.586	38.815	75.209	96.589	155.673	243.236	298.716	449.352
BNGG11566	VF-F Sand	126.732	205.255	59.677	96.538	117.204	174.136	257.865	310.792	456.245
BNGG11567	VF-F Sand	137.74	221.429	66.032	102.155	123.526	183.665	274.983	334.907	510.693
BNGG11569	VF-F Sand	175.367	265.824	86.377	130.945	157.342	230.456	336.403	401.657	570.509
BNGG11570	VF-F Sand	132.117	227.816	70.509	115.346	139.15	203.07	292.193	344.931	472.408
BNGG11572	VF-F Sand	196.142	266.771	105.914	148.42	174.076	243.358	337.274	390.76	512.424
BNGG11573	VF-F Sand	213.393	298.556	106.092	159.912	190.817	272.359	380.97	442.517	583.48
BNGG11575	VF-F Sand	180.946	287.756	83.241	133.899	164.544	249.519	370.807	443.917	627.279
BNGG11576	VF-F Sand	191.091	260.946	103.782	142.095	166.326	233.592	328.168	383.863	516.727
BNGG11578	VF-F Sand	183.601	254.451	94.814	136.956	162.122	230.16	323.19	376.779	501.09
BNGG11579	VF-F Sand	233.383	331.084	115.94	172.369	205.661	295.599	420.152	493.686	673.201
BNGG11581	VF-F Sand	237.453	315.747	129.524	178.444	208.293	288.673	396.954	458.581	599.944
BNGG11582	VF-F Sand	194.149	285.323	95.392	140.238	168.386	247.761	363.029	433.007	608.327
BNGG11584	VF-F Sand	191.432	291.145	90.237	135.44	164.772	249.44	374.104	449.908	640.46

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG11585	VF-F Sand	192.699	278.692	96.206	141.05	168.458	244.473	353.204	418.7	581.951
BNGG11587	VF-F Sand	192.482	265.154	99.564	141.298	167.312	238.827	337.442	394.234	524.974
BNGG11588	VF-F Sand	191.445	283.781	92.649	136.473	164.638	244.915	362.08	433.293	612.442
BNGG11590	VF-F Sand	207.031	317.713	92.941	145.666	179.831	276.184	412.408	493.353	692.134
BNGG11591	VF-F Sand	277.689	415.55	120.691	197.732	244.45	370.605	547.065	650.462	873.231
BNGG12002	Mud	14.367	57.034	4.077	8.205	11.85	25.003	50.814	72.036	225.86
BNGG12003	Mud	13.157	30.064	3.948	7.733	10.917	21.745	40.383	52.729	85.204
BNGG12005	VF-F Sand	14.643	31.922	4.39	8.963	12.608	24.172	42.869	54.953	86.534
BNGG12006	VF-F Sand	118.774	193.834	61.578	88.208	105.168	154.815	234.819	290.689	468.662
BNGG12008	VF-F Sand	115.153	162.977	66.455	89.768	103.942	142.726	197.765	231.497	322.642
BNGG12009	VF-F Sand	116.278	165.547	67.252	90.749	105.03	144.053	199.506	233.639	328.218
BNGG12011	VF-F Sand	126.782	177.73	74.135	100.054	115.737	158.373	218.304	254.571	348.812
BNGG12012	VF-F Sand	123.627	192.681	66.4	91.218	107.129	153.149	226.26	277.932	466.483
BNGG12014	VF-F Sand	128.236	208.035	67.093	93.217	110.189	160.415	244.552	307.821	541.504
BNGG12015	VF-F Sand	115.494	179.003	60.949	85.966	101.732	146.655	215.084	260.297	403.023
BNGG12017	VF-F Sand	101.213	164.126	48.967	74.35	89.853	133.764	200.533	244.337	377.072
BNGG12018	VF-F Sand	155.937	221.836	86.822	116.75	135.451	187.762	266.1	317.772	477.516
BNGG12020	VF-F Sand	146.49	202.325	83.739	113.501	131.594	180.788	249.714	291.159	396.93
BNGG12021	VF-F Sand	146.252	190.624	85.445	113.312	130.262	175.511	236.077	270.599	350.925
BNGG12023	VF-F Sand	142.475	185.157	83.379	110.497	126.958	170.822	229.295	262.506	339.374
BNGG12024	VF-F Sand	144.941	262.313	100.013	149.069	175.041	242.364	331.424	382.048	499.091
BNGG12026	VF-F Sand	196.265	267.622	104.349	148.101	174.132	244.04	338.711	392.755	516.149
BNGG12027	M-C Sand	192.534	323.853	94.512	144.326	175.155	266.331	416.132	517.177	771.947
BNGG12029	M-C Sand	155.723	280.822	88.385	135.205	162.467	238.988	354.344	428.338	627.947
BNGG12030	M-C Sand	139.392	236.54	67.587	98.898	119.7	183.104	291.357	369.955	613.555
BNGG12032	M-C Sand	124.919	207.743	61.703	89.471	107.906	163.772	256.203	320.048	513.101
BNGG12034	M-C Sand	113.508	217.083	53.033	82.083	102.115	166.761	278.854	354.48	560.599
BNGG12035	M-C Sand	154.223	271.846	63.385	113.887	146.999	236.246	357.917	429.586	605.944
BNGG12037	M-C Sand	115.981	224.223	52.556	80.991	100.903	166.949	287.476	371.578	604.294
BNGG12038	Mud	12.331	42.148	3.97	7.143	9.731	18.703	35.261	47.211	89.314
BNGG12040	Mud	13.837	67.551	3.906	7.66	10.983	24.125	57.059	90.529	303.28
BNGG12041	Mud	9.626	66.966	3.039	5.242	7.115	14.239	32.61	58.518	442.437
BNGG12043	Mud	25.254	142.803	5.529	13.599	24.016	97.603	212.372	279.952	443.78
BNGG12044	Mud	46.322	62.244	18.378	31.562	40.494	61.084	82.487	92.439	110.801
BNGG12046	Mud	9.323	18.349	3.223	5.467	7.248	13.193	23.65	30.911	51.595
BNGG12047	Mud	10.522	44.401	3.333	5.942	8.132	15.861	31.164	44.494	158.321
BNGG12049	Mud	11.09	51.31	3.345	6.119	8.531	17.536	38.216	60.527	211.912
BNGG12050	Mud	7.18	45.969	2.064	3.689	5.329	14.39	41.611	64.601	166.092
BNGG12052	Mud	9.332	26.922	3.156	5.377	7.183	13.331	24.622	33.159	66.041
BNGG12053	Mud	7.819	16.807	2.769	4.503	5.91	10.762	19.765	26.514	50.287
BNGG12055	M-C Sand	145.264	257.853	77.025	126.557	154.804	230.981	335.286	395.283	533.576
BNGG12056	M-C Sand	288.322	390.239	153.395	218.651	256.103	355.563	490.576	569.065	756.014

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG12058	M-C Sand	279.553	386.037	144.534	211.655	249.436	349.832	487.191	567.922	762.273
BNGG12059	M-C Sand	174.938	349.059	108.576	183.013	218.882	313.614	445.296	523.842	717.123
BNGG12061	M-C Sand	246.579	348.768	133.433	191.023	224.335	314.104	438.525	512.06	691.749
BNGG12063	M-C Sand	178.297	306.51	77.406	138.664	173.998	268.313	399.175	477.166	670.144
BNGG12064	M-C Sand	179.368	324.133	97.687	159.651	193.983	286.698	416.732	494.275	684.828
BNGG12066	VF-F Sand	185.611	301.615	88.461	135.258	164.62	250.385	385.461	473.876	707.375
BNGG12067	VF-F Sand	161.357	231.309	86.072	120.289	141.691	201.674	289.181	343.203	482.884
BNGG12069	VF-F Sand	131.039	210.775	68.25	101.792	122.102	179.453	264.966	319.009	463.821
BNGG12070	VF-F Sand	140.798	196.03	80.812	109.474	126.817	173.956	240.108	280.18	385.336
BNGG12072	VF-F Sand	158.258	222.163	86.161	119.508	140.055	196.796	277.383	325.944	448.54
BNGG12073	M-C Sand	177.242	233.998	103.582	140.158	161.651	218.07	291.852	332.804	423.955
BNGG12075	M-C Sand	193.534	251.391	112.419	151.123	174.034	234.161	312.765	356.469	454.03
BNGG12076	M-C Sand	201.565	305.824	93.519	147.749	180.369	269.469	393.618	466.967	646.357
BNGG12078	M-C Sand	208.503	288.131	114.251	157.875	184.868	259.142	362.786	423.476	567.16
BNGG12079	M-C Sand	211.712	353.208	97.565	154.616	190.274	295.389	463.285	571.454	822.652
BNGG12081	M-C Sand	190.485	248.832	111.753	149.688	172.07	230.973	308.654	352.415	452.246
BNGG12082	M-C Sand	179.996	304.642	113.367	165.295	195.632	277.261	388.041	451.267	596.156
BNGG12084	M-C Sand	268.472	366.986	144.961	200.067	234.145	327.807	460.146	539.531	735.535
BNGG12085	M-C Sand	240.471	358.557	115.92	176.456	212.472	312.336	458.698	549.667	775.727
BNGG12087	M-C Sand	186.037	268.254	98.262	139.591	165.237	236.845	339.625	401.27	551.335
BNGG12088	M-C Sand	217.328	401.442	83.153	152.152	200.427	348.038	560.373	677.852	904.69
BNGG12090	M-C Sand	343.83	457.821	184.439	257.588	301.001	418.309	580.891	675.348	880.998
BNGG12091	M-C Sand	277.412	466.812	133.762	243.454	296.122	431.265	612.342	713.645	916.375
BNGG13002	Mud	7.217	32.284	2.645	4.146	5.355	9.582	17.686	23.955	50.156
BNGG13003	VF-F Sand	101.458	147.317	59.068	84.487	98.617	135.633	184.94	213.068	278.82
BNGG13005	VF-F Sand	48.574	128.538	12.208	44.932	61.44	100.994	159.242	198.609	327.388
BNGG13006	VF-F Sand	94.673	162.571	47.581	68.871	82.596	123.226	190.643	239.862	420.976
BNGG13008	VF-F Sand	107.163	174.174	53.103	77.311	93.085	139.798	214.739	265.519	416.372
BNGG13009	VF-F Sand	112.943	191.861	52.945	81.805	99.966	153.5	239.683	298.081	467.244
BNGG13011	Mud	19.057	52.165	4.863	11.637	18.167	39.967	72.846	92.669	142.143
BNGG13012	VF-F Sand	128.885	181.886	68.154	96.897	114.329	162.032	228.699	268.311	366.229
BNGG13014	VF-F Sand	124.233	174.934	65.702	94.286	111.368	157.666	221.272	258.242	346.191
BNGG13015	VF-F Sand	125.519	238.687	53.164	98.584	124.811	198.976	310.599	380.914	562.333
BNGG13017	VF-F Sand	151.261	244.319	76.993	112.015	133.781	197.008	299.455	371.815	594.73
BNGG13018	VF-F Sand	125.519	167.575	75.026	100.361	115.324	154.856	207.491	237.476	307.494
BNGG13020	VF-F Sand	126.151	193.639	68.128	95.114	112.075	160.647	235.406	285.018	434.335
BNGG13021	VF-F Sand	122.682	172.704	72.711	98.529	113.827	155.175	212.894	247.504	335.453
BNGG13023	VF-F Sand	132.125	215.638	69.342	97.037	114.814	167.419	255.699	321.808	555.915
BNGG13024	VF-F Sand	124.684	193.546	65.677	93.837	111.442	161.988	239.553	290.187	433.114
BNGG13026	VF-F Sand	139.68	208.789	72.925	105.769	125.965	182.34	263.899	313.729	439.861
BNGG13027	VF-F Sand	100.316	179.632	49.766	71.813	86.574	132.313	213.642	275.538	490.2
BNGG13029	VF-F Sand	112.319	192.978	56.037	81.04	97.584	148.476	236.536	299.965	493.537

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG13030	VF-F Sand	110.37	193.357	55.727	80.736	97.097	147.232	234.659	298.965	503.541
BNGG13032	VF-F Sand	113.632	196.745	56.082	81.648	98.668	151.177	241.668	306.414	504.832
BNGG13034	VF-F Sand	156.023	210.402	88.644	120.745	140.054	191.811	262.164	302.935	399.836
BNGG13035	VF-F Sand	157.758	221.058	84.295	118.827	139.987	198.14	279.497	327.424	441.302
BNGG13037	VF-F Sand	154.063	221.786	81.533	116.718	138.217	197.428	281.012	330.677	450.223
BNGG13038	VF-F Sand	155.731	217.692	83.243	116.388	137.112	194.421	275.063	322.702	436.661
BNGG13040	Peat	15.541	35.492	4.288	8.932	13.553	30.783	52.63	63.31	83.914
BNGG13041	VF-F Sand	30.299	125.78	6.317	20.228	43.6	102.1	174.802	219.633	338.897
BNGG13043	M-C Sand	130.529	235.57	60.985	103.116	127.496	197.05	302.928	370.012	545.129
BNGG13044	VF-F Sand	133.956	217.707	66.762	100.111	120.613	179.605	271.234	331.822	505.117
BNGG13046	VF-F Sand	135.71	225.243	67.627	101.025	121.775	182.299	279.443	345.974	541.062
BNGG13047	VF-F Sand	119.327	172.78	63.564	89.546	105.721	150.918	216.089	255.896	358.529
BNGG13049	VF-F Sand	120.565	175.423	64.575	91.341	107.831	153.632	219.362	259.371	362.65
BNGG13050	VF-F Sand	118.328	168.206	63.597	89.717	105.762	150.022	212.172	248.955	338.252
BNGG13052	VF-F Sand	129.524	176.652	73.208	100.289	116.579	160.346	220.058	254.83	338.782
BNGG13053	VF-F Sand	150.304	218.451	75.706	113.219	135.365	195.605	279.298	328.275	443.284
BNGG13055	VF-F Sand	131.211	200.138	63.159	98.71	119.594	176.761	257.34	305.193	420.286
BNGG13056	VF-F Sand	152.047	230.195	70.488	115.503	140.34	206.371	296.853	349.483	472.763
BNGG13058	VF-F Sand	147.444	224.377	71.02	112.16	135.458	198.495	287.024	339.893	469.33
BNGG13059	M-C Sand	154.952	225.365	78.01	117.376	140.284	202.226	287.899	337.929	455.543
BNGG13061	M-C Sand	142.463	243.373	63.353	107.802	133.902	207.031	314.72	381.21	549.912
BNGG13063	M-C Sand	158.961	240.036	78.01	118.485	142.804	210.306	307.1	365.358	507.829
BNGG13064	M-C Sand	158.203	229.678	80.08	118.585	141.795	205.354	293.759	345.351	466.21
BNGG13066	M-C Sand	173.854	241.905	91.05	132.366	156.384	220.592	307.533	357.144	469.988
BNGG13067	VF-F Sand	154.239	226.196	76.399	115.341	138.287	200.911	288.805	340.841	466.067
BNGG13069	VF-F Sand	158.843	239.047	79.117	118.922	142.632	208.303	303.284	361.457	508.86
BNGG13070	VF-F Sand	164.656	235.047	84.237	123.907	147.254	210.567	298.57	350.252	473.536
BNGG13072	VF-F Sand	155.59	229.469	76.838	117.745	141.184	204.427	292.659	344.931	471.149
BNGG13073	VF-F Sand	155.154	259.326	75.29	126.737	154.65	229.479	334.384	396.804	547.415
BNGG13075	VF-F Sand	171.439	283.039	72.505	124.632	157.18	246.57	371.028	444.175	620.593
BNGG13076	M-C Sand	157.985	260.752	67.577	114.645	144.056	226.057	342.051	410.547	574.537
BNGG13078	M-C Sand	137.654	223.802	61.566	104.879	130.24	198.584	292.457	346.929	473.878
BNGG13079	VF-F Sand	149.389	218.806	66.494	112.864	136.876	198.884	281.591	328.955	438.445
BNGG13081	M-C Sand	208.7	353.929	82.314	168.087	212.674	322.112	463.162	543.405	731.586
BNGG13082	M-C Sand	178.629	309.709	70.06	141.689	180.837	278.617	406.626	479.977	652.937
BNGG13084	M-C Sand	276.135	384.49	138.956	211.744	250.6	351.911	487.169	564.847	747.158
BNGG13085	M-C Sand	188.045	270.098	88.936	139.317	168.184	244.932	348.292	406.902	539.218
BNGG13087	M-C Sand	191.486	287.91	85.109	144.187	177.032	262.298	374.445	437.242	577.995
BNGG13088	VF-F Sand	141.606	224.443	72.72	104.238	124.372	183.571	278.476	342.482	524.383
BNGG13090	M-C Sand	198.338	311.071	85.794	145.686	182.64	279.549	406.715	478.765	646.363
BNGG13091	VF-F Sand	118.283	225.817	58.569	107.984	133.222	200.26	293.377	348.423	480.457
BNGG13502	Mud	15.246	34.834	4.539	9.332	13.128	25.35	45.917	59.724	97.68

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG13506	Mud	9.016	16.713	3.15	5.365	7.11	12.726	21.905	27.907	44.113
BNGG13511	Mud	12.926	29.008	3.786	7.665	10.996	21.806	39.205	50.413	79.657
BNGG13515	Mud	13.429	28.44	4.041	8.236	11.551	21.824	38.221	48.813	76.352
BNGG13520	Mud	13.795	25.932	4.611	8.61	11.548	20.453	34.371	43.254	66.409
BNGG13524	Mud	12.678	27.124	3.947	7.513	10.417	20.116	36.573	47.326	74.902
BNGG13529	Mud	11.857	44.565	3.634	6.716	9.333	18.842	37.749	52.466	111.298
BNGG13534	Mud	10.161	35.741	3.226	5.706	7.82	15.454	30.636	42.796	92.56
BNGG13538	VF-F Sand	120.691	191.855	64.265	90.368	107.018	155.187	230.739	282.24	449.185
BNGG13543	VF-F Sand	164.663	224.937	95.486	130.871	151.654	206.841	280.87	323.176	421.326
BNGG13547	M-C Sand	152.011	278.5	76.646	142.752	174.752	255.936	361.994	421.467	554.752
BNGG13552	M-C Sand	166.858	326.243	74.828	142.482	181.149	284.709	429.206	515.56	726.554
BNGG13556	M-C Sand	152.636	261.785	88.365	132.885	159.087	231.509	334.841	396.509	544.977
BNGG13559	Mud	7.666	58.705	2.484	3.98	5.31	11.154	31.241	57.712	358.541
BNGG13561	M-C Sand	162.511	321.455	107.496	171.891	205.746	294.403	412.648	479.639	632.475
BNGG13566	M-C Sand	150.391	242.482	80.403	123.792	149.148	218.035	312.95	367.49	491.917
BNGG13570	M-C Sand	152.716	264.134	85.774	132.079	159.218	234.077	340.116	402.658	550.098
BNGG13575	M-C Sand	158.467	268.872	81.055	135.895	165.012	242.128	347.484	408.327	549.414
BNGG13579	M-C Sand	278.923	386.612	154.085	217.022	253.766	352.306	486.521	564.262	747.47
BNGG13581	M-C Sand	130.488	244.519	56.093	100.804	127.4	203.492	318.267	390.22	576.177
BNGG13582	M-C Sand	273.141	385.478	132.833	200.94	240.408	346.292	492.549	578.523	782.399
BNGG13584	M-C Sand	327.13	449.715	176.55	255.115	298.592	413.519	569.879	660.254	861.985
BNGG13588	M-C Sand	242.077	439.817	133.071	232.075	278.851	401.761	571.368	669.59	880.614
BNGG13591	M-C Sand	231.9	455.03	85.244	188.697	259.222	423.604	626.952	734.622	935.409
BNGG14590	M-C Sand	165.319	340.443	62.883	119.253	159.519	282.597	467.808	579.795	829.799
BNGG17502	Mud	14.839	35.285	4.203	9.022	13.042	25.994	47.455	61.583	98.868
BNGG17506	VF-F Sand	69.39	171.259	18.698	71.245	94.882	150.593	226.327	271.797	386.287
BNGG17511	VF-F Sand	96.513	217.249	34.013	98.816	123.862	188.907	280.822	337.157	482.799
BNGG17515	VF-F Sand	143.951	287.481	61.008	139.768	174.23	261.248	376.268	441.76	592.96
BNGG17520	VF-F Sand	126.628	262.05	45.05	132.952	163.092	239.017	340.507	398.951	534.979
BNGG17524	VF-F Sand	98.819	152.294	56.603	84.505	99.413	138.589	191.772	222.758	297.661
BNGG17529	VF-F Sand	101.133	145.935	59.347	83.938	97.863	134.546	183.403	211.121	275.102
BNGG18102	Mud	10.126	49.901	3.067	5.557	7.767	16.148	34.175	50.474	194.788
BNGG18105	VF-F Sand	112.004	152.742	65.592	90.601	104.89	142.16	190.884	218.086	279.484
BNGG18109	VF-F Sand	121.886	160.831	73.109	97.726	112.196	150.073	199.478	226.979	289.058
BNGG18114	VF-F Sand	148.256	172.264	84.35	106.806	121.17	159.743	210.656	239.082	303.234
BNGG18118	VF-F Sand	148.396	269.97	65.053	116.149	147.03	233.047	354.796	427.12	603.464
BNGG18123	VF-F Sand	133.306	184.902	77.957	105.371	121.746	165.789	226.725	263.102	356.366
BNGG18127	Mud	11.663	40.462	3.281	6.617	9.704	20.481	40.2	55.069	108.191
BNGG18130	VF-F Sand	155.24	229.937	79.466	117.377	139.885	201.745	290.171	343.963	480.816
BNGG18702	VF-F Sand	105.676	148.405	60.339	85.159	99.505	137.207	186.847	214.686	277.719
BNGG18706	VF-F Sand	114.813	153.969	67.275	92.361	106.755	144.117	192.324	218.874	277.652
BNGG18711	VF-F Sand	95.801	155.26	49.708	78.548	94.572	138.095	199.181	235.243	321.867

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG18715	VF-F Sand	117.474	162.551	67.137	93.874	109.251	149.71	203.498	234.045	305.195
BNGG18720	VF-F Sand	72.171	124.741	32.587	66.015	79.545	114.462	161.029	187.458	247.536
BNGG18724	M-C Sand	104.237	214.8	48.278	95.569	119.116	183.697	278.479	337.222	486.49
BNGG18729	M-C Sand	122.035	213.127	60.02	101.464	124.043	186.001	275.277	329.304	461.525
BNGG19302	Mud	10.415	24.137	3.218	6.003	8.363	16.473	31.02	41.352	72.091
BNGG19303	VF-F Sand	90.045	106.925	49.835	63.792	72.841	97.554	131.195	150.597	196.232
BNGG19305	VF-F Sand	107.143	125.628	59.863	76.524	87.259	116.228	154.617	176.011	223.781
BNGG19306	VF-F Sand	119.715	135.929	70.871	88.258	99.125	127.617	164.246	184.393	229.317
BNGG19308	VF-F Sand	107.548	127.151	59.577	76.349	87.212	116.774	156.528	179.04	230.392
BNGG19309	VF-F Sand	103.236	121.543	57.483	73.494	83.835	111.92	149.499	170.678	218.726
BNGG19311	VF-F Sand	110.419	145.095	57.65	75.3	87.143	120.804	169.499	199.415	282.088
BNGG19312	M-C Sand	142.707	214.6	69.719	106.889	129.188	190.575	276.646	327.094	445.478
BNGG19314	VF-F Sand	139.99	198.298	71.985	103.66	123.195	177.108	252.492	296.619	400.498
BNGG19315	M-C Sand	143.804	202.59	75.753	109.037	128.854	182.522	256.496	299.621	401.822
BNGG19317	VF-F Sand	145.585	206.165	77.319	110.903	131.048	185.772	261.396	305.422	408.792
BNGG19318	M-C Sand	172.093	255.694	82.956	130.822	157.637	229.593	328.824	386.47	520.559
BNGG19320	M-C Sand	146.921	223.343	71.11	111.558	134.802	197.955	286.694	339.367	465.569
BNGG19321	M-C Sand	163.894	245.631	77.722	125.633	151.881	221.578	316.561	371.28	497.217
BNGG19323	M-C Sand	166.755	227.938	90.073	127.533	149.7	209.027	288.683	333.655	434.732
BNGG19324	M-C Sand	174.176	223.844	102.34	136.274	156.459	209.239	277.771	315.627	399.517
BNGG19326	M-C Sand	149.554	234.26	71.935	112.256	135.673	200.668	296.208	356.068	514.406
BNGG19327	M-C Sand	151.486	244.277	72.085	112.795	136.732	204.297	307.093	373.984	560.425
BNGG19329	M-C Sand	160.08	226.729	84.152	121.505	143.793	204.423	288.18	336.86	450.25
BNGG19330	M-C Sand	162.405	229.208	86.511	124.52	147	207.799	291.097	339.109	449.726
BNGG19332	Mud	12.926	31.795	3.528	7.526	11.351	24.168	44.049	56.39	87.248
BNGG19334	Mud	11.609	36.655	3.337	6.644	9.598	19.995	38.725	52.101	95.319
BNGG19335	Mud	12.07	52.812	3.366	6.756	9.859	21.363	45.266	66.763	196.802
BNGG19337	Mud	10.871	42.453	3.43	6.294	8.622	16.553	31.402	43.014	102.26
BNGG19338	M-C Sand	15.303	63.386	3.976	8.637	13.067	31.273	69.539	97.818	208.213
BNGG19340	M-C Sand	16.277	85.854	4.117	8.855	13.463	34.35	102.709	168.541	347.601
BNGG19341	VF-F Sand	152.688	216.477	77.103	115.331	137.103	195.26	274.98	321.494	431.773
BNGG19343	VF-F Sand	162.387	229.575	83.403	123.387	146.326	207.73	291.831	340.613	454.576
BNGG19344	VF-F Sand	170.993	236.127	90.956	130.469	153.442	214.933	298.63	346.855	458.543
BNGG19346	VF-F Sand	144.93	248.514	67.806	108.145	132.321	201.971	312.217	386.858	603.067
BNGG19347	M-C Sand	141.089	244.657	63.434	104.934	129.558	200.114	310.348	383.58	588.143
BNGG19349	M-C Sand	169.311	289.787	69.626	117.05	152.618	255.474	389.423	463.768	634.592
BNGG19350	M-C Sand	185.169	316.961	74.063	138.627	182.107	289.056	421.096	493.98	659.73
BNGG19352	M-C Sand	147.954	256.46	65.578	103.471	129.663	211.732	339.037	415.896	602.519
BNGG19353	M-C Sand	167.463	297.492	66.152	134.41	173.129	269.014	392.624	462.501	624.523
BNGG19355	M-C Sand	175.354	286.286	79.327	142.518	175.919	261.396	373.232	435.877	576.558
BNGG19356	M-C Sand	162.6	276.098	80.146	137.484	166.665	244.098	352.874	418.437	582.001
BNGG19358	M-C Sand	183.977	265.773	93.389	142.817	169.947	241.626	338.832	394.821	524.193

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG19359	M-C Sand	188.3	256.466	103.286	147.093	172.079	237.827	324.422	372.552	478.07
BNGG19361	M-C Sand	209.665	366.76	88.202	189.189	231.114	335.17	472.774	552.278	741.051
BNGG19363	M-C Sand	285.154	362.164	181.966	237.196	267.534	344.009	440.495	493.723	614.467
BNGG19364	M-C Sand	229.933	329.628	104.137	174.458	210.142	301.373	421.824	490.372	649.298
BNGG19366	M-C Sand	224.648	310.33	111.261	169.82	201.804	285.028	395.122	457.209	597.778
BNGG19367	M-C Sand	213	291.625	114.271	160.398	188.423	264.583	368.761	428.626	566.523
BNGG19369	M-C Sand	202.435	271.847	112.694	157.628	183.723	252.602	343.166	393.301	502.318
BNGG19370	M-C Sand	206.405	270.35	121.754	163.051	187.399	251.403	335.662	382.921	489.673
BNGG19372	M-C Sand	227.425	288.923	134.119	179.213	205.325	272.602	358.213	404.724	505.351
BNGG19373	M-C Sand	233.884	288.362	147.835	189.28	213.188	274.091	350.753	392.451	484.103
BNGG19375	M-C Sand	210.525	274.376	116.3	160.71	186.976	256.086	345.739	394.605	499.097
BNGG19375.5	Mud	9.83	20.999	3.248	5.698	7.692	14.472	26.677	35.383	61.613
BNGG19376	M-C Sand	155.915	232.068	78.129	117.078	140.702	205.97	297.908	351.881	479.033
BNGG19378	VF-F Sand	127.347	192.854	67.158	93.53	110.597	160.211	237.128	287.486	431.232
BNGG19379	VF-F Sand	112.178	182.695	57.615	83.154	99.588	148.14	226.23	278.96	430.66
BNGG19384	M-C Sand	179.012	263.118	89.407	137.003	164.3	237.384	337.312	395.009	528.678
BNGG19385	M-C Sand	129.314	199.677	67.111	97.953	117.017	171.029	251.238	301.409	433.711
BNGG19387	M-C Sand	131.399	194.314	69.185	98.59	117.076	169.345	245.758	292.475	409.335
BNGG19388	Mud	6.573	50.85	2.163	3.408	4.515	9.293	27.279	55.986	254.807
BNGG19390	M-C Sand	233.338	298.712	139.285	185.067	211.815	281.194	370.226	418.768	524.299
BNGG19391	M-C Sand	196.432	256.608	115.751	155.928	179.179	239.815	318.712	362.544	460.471
BNGG20702	VF-F Sand	30.534	280.587	6.64	19.295	35.128	85.089	627.128	765.22	951.173
BNGG20706	VF-F Sand	72.112	142.773	27.36	61.471	76.908	117.691	176.549	213.807	322.531
BNGG20711	VF-F Sand	114.417	209.899	51.098	104.586	128.991	191.47	274.21	321.013	426.498
BNGG20717	VF-F Sand	41.983	111.224	10.445	36.88	54	93.092	146.186	178.678	264.277
BNGG20718	VF-F Sand	55.41	150.528	14.379	50.472	67.623	112.318	183.448	234.651	416.519
BNGG20723	M-C Sand	164.065	384.503	52.864	172.53	226.861	349.942	512.499	607.916	826.906
BNGG20727	VF-F Sand	106.595	206.696	37.984	109.887	131.873	188.808	265.799	310.285	413.983
BNGG21202	Mud	14.776	40.37	4.749	9.581	12.828	22.509	38.472	49.624	85.822
BNGG21203	VF-F Sand	109.642	177.825	52.094	89.696	108.613	159.074	229.05	270.181	368.181
BNGG21208	VF-F Sand	92.242	161.419	39.476	76.118	93.524	140.328	207.444	248.468	352.918
BNGG21212	VF-F Sand	64.419	134.588	24.264	51.279	64.421	100.605	158.119	199.457	355.632
BNGG21221	Mud	15.419	48.319	4.386	9.59	13.574	26.273	49.421	66.959	129.218
BNGG21223	M-C Sand	102.998	220.366	37.807	84.405	112.493	189.322	296.425	359.208	508.92
BNGG21230	M-C Sand	81.822	226.944	25.149	65.161	88.352	163.355	304.396	400.154	649.048
BNGG23902	Mud	14.67	55.095	3.987	8.902	13.016	26.038	50.083	70.239	181.367
BNGG23903	VF-F Sand	29.16	94.165	7.359	20.238	31.223	65.384	119.455	156.786	277.009
BNGG23905	VF-F Sand	28.894	75.845	9.915	20.223	26.81	48.246	88.11	117	213.581
BNGG23906	VF-F Sand	97.319	165.56	46.526	70.268	85.054	128.003	197.084	245.777	416.447
BNGG23908	VF-F Sand	25.645	89.048	5.959	16.92	28.207	67.854	119.894	150.334	230.772
BNGG23909	VF-F Sand	83.517	139.935	37.855	61.17	74.749	112.414	168.553	205.004	317.834
BNGG23911	VF-F Sand	129.893	204.495	67.352	95.246	113.041	164.79	247.079	303.966	486.784

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG23912	VF-F Sand	127.947	197.73	67.016	94.613	112.071	162.215	239.587	291.304	452.159
BNGG23914	VF-F Sand	73.129	167.531	20.647	70.394	93.993	149.663	223.945	267.254	369.666
BNGG23915	VF-F Sand	25.762	80.748	7.455	17.639	24.367	48.567	104.911	147.875	262.771
BNGG23917	Mud	16.48	45.674	4.795	10.661	14.806	27.571	49.875	65.823	115.628
BNGG23918	VF-F Sand	16.244	55.683	4.404	10.087	14.527	28.987	58.827	87.939	219.916
BNGG23920	VF-F Sand	177.597	231.795	104.304	139.517	160.475	215.705	288.333	328.851	419.286
BNGG23921	VF-F Sand	165.438	245.2	85.027	135.394	160.612	226.068	313.048	362.185	472.894
BNGG23923	VF-F Sand	192.092	222.895	109.304	138.501	157.15	207.136	272.854	309.337	390.616
BNGG23924	VF-F Sand	19.468	95.95	4.852	12.102	17.786	40.06	132.487	204.5	359.874
BNGG23926	VF-F Sand	143.976	246.611	79.095	134.972	160.803	227.539	316.212	366.373	479.279
BNGG23927	Mud	13.383	38.737	3.711	8.147	11.874	23.597	43.097	56.436	96.951
BNGG23929	Mud	13.861	39.003	3.827	8.488	12.412	24.679	44.671	57.999	96.639
BNGG23930	M-C Sand	186.018	392.45	51.769	197.639	250.475	366.746	515.184	600.32	798.693
BNGG23932	M-C Sand	19.648	110.086	5.087	12.479	18.148	38.011	94.132	231.332	504.439
BNGG23934	VF-F Sand	170.033	230.033	101.829	138.641	159.67	214.544	286.405	326.621	417.274
BNGG23935	VF-F Sand	171.871	225.082	103.791	138.591	158.737	211.152	278.921	316.334	399.404
BNGG23937	Mud	9.533	39.378	2.835	5.22	7.4	15.77	32.908	46.35	98.355
BNGG23938	Mud	8.154	47.76	2.533	4.335	5.976	12.686	29.083	44.484	143.457
BNGG23940	Mud	9.466	24.219	2.884	5.212	7.33	15.436	31.376	42.918	76.413
BNGG23941	Mud	7.019	32.194	2.428	3.861	5.076	9.716	20.315	30.084	77.903
BNGG23943	Mud	9.392	39.874	2.819	5.074	7.13	15.313	34.013	50.28	117.565
BNGG23944	Mud	8.953	32.447	2.789	4.946	6.868	14.032	28.269	39.452	81.2
BNGG23946	M-C Sand	117.263	313.736	57.715	96.455	122.517	225.426	450.782	581.888	845.546
BNGG23947	M-C Sand	294.54	519.354	96.914	291.543	350.807	496.056	682.303	780.532	960.153
BNGG23949	M-C Sand	465.025	532.555	272.105	337.135	379.501	495.614	653.906	742.726	924.141
BNGG23950	M-C Sand	397.372	522.305	244.756	322.14	367.793	489.837	654.268	745.641	928.906
BNGG23952	M-C Sand	432.048	497.865	252.418	312.534	351.632	459.017	607.764	694.058	884.265
BNGG23953	M-C Sand	301.953	396.473	182.905	245.18	280.155	370.431	488.136	554.632	710.039
BNGG23955	M-C Sand	288.754	390.992	175.636	238.642	273.237	362.86	481.774	550.359	716.129
BNGG23956	M-C Sand	195.897	435.413	67.345	231.761	281.525	403.834	567.449	662.064	869.888
BNGG23958	VF-F Sand	151.206	223.507	81.737	114.992	135.55	193.343	278.508	331.772	472.51
BNGG23959	VF-F Sand	147.228	216.895	80.231	113.066	133.133	189.144	270.841	321.508	453.646
BNGG23961	VF-F Sand	16.014	129.174	3.321	7.686	13.747	106.853	205.558	255.955	374.138
BNGG23963	VF-F Sand	17.169	129.358	3.467	8.581	15.868	108.492	203.949	252.852	366.873
BNGG23964	VF-F Sand	170.853	255.919	89.838	125.625	148.452	214.367	316.912	384.69	574.503
BNGG23966	M-C Sand	237.313	381.219	139.43	204.338	241.673	342.532	483.454	567.248	769.742
BNGG23967	M-C Sand	258.354	366.029	138.044	199.21	234.608	329.768	461.52	539.39	728.879
BNGG23969	VF-F Sand	209.474	293.351	112.522	165.866	195.066	271.393	372.079	428.389	554.18
BNGG23970	VF-F Sand	171.305	291.024	90.376	153.587	184.606	265.092	373.143	435.252	580.082
BNGG23972	VF-F Sand	195.8	279.484	99.583	150.906	179.558	255.299	356.949	414.706	545.927
BNGG23973	M-C Sand	151.754	390.462	48.421	128.904	192.045	349.308	549.372	660.867	887.507
BNGG23975	Mud	12.329	51.532	3.28	6.85	10.479	23.657	47.345	65.197	146.468

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGG23976	M-C Sand	158.568	384.865	48.374	163.445	218.358	346.524	518.703	620.022	846.564
BNGG23978	M-C Sand	140.715	342.798	53.742	172.686	212.944	312.639	444.961	521.761	706.128
BNGG23979	VF-F Sand	155.131	239.823	77.412	123.487	148.181	214.302	306.513	361.12	492.865
BNGG23981	VF-F Sand	145.237	211.511	78.628	113.73	134.321	190.144	267.703	313.286	422.47
BNGG23982	VF-F Sand	73.097	278.335	17.895	120.029	156.713	245.183	368.111	442.857	631.842
BNGG23984	VF-F Sand	165.689	294.227	93.926	148.923	179.627	262.502	377.532	445.055	606.713
BNGG23985	M-C Sand	192.965	342.774	80.193	159.622	200.521	305.884	448.115	531.336	732.008
BNGG23987	M-C Sand	180.402	316.176	85.138	153.274	188.681	281.223	408.028	483.097	667.499
BNGG23988	Mud	7.251	43.585	2.405	3.919	5.27	10.619	22.171	31.484	73.007
BNGG23990	Mud	8.872	35.624	2.7	4.734	6.661	14.603	30.866	43.022	88.521
BNGG23991	VF-F Sand	137.249	269.771	45.911	129.327	165.521	249.921	356.673	415.962	548.046
BNGG25002	Mud	11.956	25.183	3.614	7.358	10.273	19.224	33.541	42.88	67.765
BNGG25005	VF-F Sand	134.257	178.439	76.743	105.042	121.63	165.19	222.564	254.895	328.945
BNGG25009	VF-F Sand	108.966	156.275	57.973	82.719	97.77	139.197	197.426	231.887	315.537
BNGG25014	VF-F Sand	147.074	188.488	91.58	119.605	135.749	177.27	230.641	260.298	328.077
BNGG25018	VF-F Sand	129.529	180.051	73.931	101.327	117.674	161.691	222.391	258.381	348.999
BNGG25023	VF-F Sand	152.894	202.766	87.488	118.426	137.019	186.632	252.977	290.672	377.144
BNGG25024	Mud	11.424	21.351	3.824	7.115	9.497	16.676	28.021	35.394	55.241
BNGG25029	Mud	11.996	28.639	3.452	7.05	10.169	20.599	38.379	50.272	82.118
BNGG25034	Mud	14.947	47.347	4.083	9.169	13.325	26.974	51.739	69.738	130.214
BNGG25035	M-C Sand	182.786	381.015	54.537	181.262	243.981	361.449	503.154	582.685	767.602
BNGG25040	M-C Sand	207.678	337.701	94.804	144.801	179.088	284.847	446.387	543.506	773.294
BNGG25040.5	Mud	6.691	39.888	2.243	3.609	4.8	9.519	21.073	32.738	177.445
BNGG25041	M-C Sand	176.794	296.435	83.481	134.626	166.33	256.707	386.53	463.477	649.958
BNGG25046	M-C Sand	270.489	369.201	149.943	212.969	248.544	341.657	464.134	532.962	689.61
BNGG25050	VF-F Sand	232.703	332.416	118.427	183.802	218.225	307.132	423.594	488.773	635.821
BNGG25055	M-C Sand	213.653	298.566	114.016	167.431	197.338	275.964	379.755	437.585	565.185
BNGG25058	VF-F Sand	156.122	299.927	70.293	163.252	196.223	278.907	386.316	446.324	580.415
BNGG25059	M-C Sand	224.234	299.117	133.189	184.931	212.602	282.809	372.012	420.745	527.846
BNGG25063	M-C Sand	165.344	287.208	93.957	156.859	187.369	265.931	368.96	426.416	553.476
BNGG25064	M-C Sand	210.85	278.895	127.25	173.638	198.994	263.753	346.177	391.162	489.651
BNGG25067	Mud	13.553	47.813	3.452	7.944	12.407	27.32	51.911	68.789	126.929
BNGG25069	VF-F Sand	161.709	249.363	82.142	126.49	151.366	219.338	316.778	376.02	523.952
BNGG25072	Mud	7.842	41.998	2.617	4.276	5.71	11.219	23.805	36.142	126.295
BNGG25075	M-C Sand	166.556	322.286	68.241	150.899	189.537	287.844	420.867	498.832	687.303
BNGG25078	M-C Sand	163.829	269.952	93.402	142.48	170.182	244.619	346.402	404.795	538.037
BNGG26002	VF-F Sand	56.154	105.697	25.582	41.615	51.661	80.971	127.266	158.508	256.01
BNGG26006	VF-F Sand	91.525	140.529	47.592	67.419	79.918	115.017	166.392	198.661	292.591
BNGG26009	VF-F Sand	159.606	248.329	79.741	116.078	139.226	206.723	312.317	381.31	567.226
BNGG26012	VF-F Sand	153.7	243.1	76.967	115.037	138.572	206.111	308.758	373.723	541.36
BNGG26017	VF-F Sand	108.899	168.387	51.843	78.612	95.187	142.436	213.492	258.3	376.345
BNGG26018	Mud	19.219	53.07	5.039	12.785	18.707	36.404	64.971	83.714	137.444

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Table A.1 – continued from previous page

Sample Name	Field Grain Size	D(3,2)- Surface weighted mean	(4,3)- Volume weighted mean	d(0.05)	d(0.16)	d(0.25)	d(0.50)	d(0.75)	d(0.84)	d(0.95)
BNGG26023	Mud	9.589	27.901	2.999	5.383	7.459	15.005	29.489	40.286	75.7
BNGG26027	Mud	10.631	48.382	3.117	5.832	8.27	17.85	39.333	56.867	130.242
BNGG26029	VF-F Sand	126.767	244.919	50.229	119.827	149.353	223.411	321.262	376.714	501.938
BNGG26034	M-C Sand	165.143	289.617	69.585	155.017	188.736	271.211	375.649	432.711	556.461
BNGG26038	M-C Sand	211.444	379.945	106.856	205.868	246.205	348.918	485.755	564.562	749.903
BNGG26043	M-C Sand	44.997	486.054	7.961	37.831	99.856	525.548	746.276	843.03	998.17
BNGG26044	VF-F Sand	144.433	255.714	68.242	122.863	151.409	227.465	332.774	394.403	539.241
BNGG26049	M-C Sand	9.23	32.685	2.783	4.909	6.948	15.493	32.6	44.846	88.065
BNGG26050	VF-F Sand	118.725	256.504	41.743	120.737	156.627	239.091	341.509	397.46	519.239
BNGG26056	M-C Sand	12.935	49.763	3.541	7.273	10.881	23.94	46.596	62.96	154.956
BNGG26058	M-C Sand	142.804	262.875	61.409	114.227	146.992	234.769	350.899	415.935	562.103
BNGG26059	M-C Sand	156.467	330.527	61.399	147.545	191.992	298.532	436.733	516.178	704.81
BNGG26063	M-C Sand	19.325	129.502	4.413	11.332	18.463	45.052	149.233	288.547	554.138
BNGG26064	M-C Sand	147.079	338.387	60.364	139.653	186.315	301.506	452.324	539.818	748.224
BNGG26069	M-C Sand	198.568	446.039	63.833	191.953	264.238	418.599	609.12	712.643	916.582
BNGG26071	M-C Sand	88.314	519.081	21.322	129.586	320.189	532.11	742.395	838.535	995.373
BNGG26072	VF-F Sand	158.421	245.401	75.573	116.131	141.359	212.978	317.34	379.863	529.506
BNGG26073	M-C Sand	289.503	581.04	117.816	341.659	408.954	572.051	763.221	853.177	1001.526
BNGG26075	VF-F Sand	118.146	232.887	53.271	104.583	130.717	201.52	303.427	365.411	518.705
BNGG26079	M-C Sand	154.55	313.028	67.884	116.396	150.574	259.028	423.397	521.491	755.34
BNGHX0102	Mud	8.289	52.279	2.593	4.39	6.002	12.61	30.706	50.324	294.4
BNGHX0106	Mud	16.84	51.763	4.638	10.415	15.213	30.542	55.824	72.839	126.915
BNGHX0108	Mud	15.46	45.913	4.279	9.334	13.577	27.854	53.2	70.627	121.458
BNGHX0112	VF-F Sand	19.096	63.169	5.001	11.21	16.9	40.195	82.112	108.03	178.907
BNGHX0114	VF-F Sand	78.254	126.895	35.976	60.02	72.932	107.564	156.357	185.904	263.148
BNGHX0117	Mud	14.475	51.203	3.913	8.315	12.334	26.952	55.623	76.768	148.033
BNGHX0120	VF-F Sand	104.311	167.66	49.802	80.448	97.272	143.252	209.94	251.432	363.693
BNGHX0124	VF-F Sand	17.198	73.333	4.28	9.799	15.261	37.67	84.417	119.574	253.439
BNGHX0126	Mud	142.649	299.43	60.477	110.55	140.722	235.272	400.091	508.511	767.619
BNGHX0127	VF-F Sand	23.572	123.839	5.11	13.594	24.211	79.635	160.764	218.029	417.121
BNGHX0129	Mud	16.769	71.442	4.332	9.665	14.705	33.684	72.216	102.966	263.22
BNGHX0132	VF-F Sand	102.384	213.908	42.351	76.08	95.999	157.019	267.915	351.485	600.633
BNGHX0137	VF-F Sand	137.266	217.472	71.891	100.939	119.37	172.93	259.384	321.437	536.807
BNGHX0141	VF-F Sand	141.234	196.504	81.983	109.346	125.914	170.964	234.946	274.88	390.693
BNGHX0146	VF-F Sand	138.26	221.975	72.636	101.528	120.169	175.414	267.646	335.077	551.968
BNGHX0150	VF-F Sand	142.653	191.825	73.43	95.952	111.201	155.414	223.346	269.188	431.152
BNGHX0155	VF-F Sand	112.343	174.311	58.192	82.762	98.501	144.083	214.406	260.429	393.678
BNGHX0158	Mud	14.12	49.287	3.78	8.116	12.198	26.841	53.836	73.167	135.853
BNGHX0159	VF-F Sand	111.672	192.762	57.006	82.63	98.948	147.349	228.772	289.362	505.338
BNGHX0164	VF-F Sand	156.106	258.805	71.313	131.493	160.98	235.952	335.298	391.907	521.242
BNGHX0167	Mud	16.083	58.413	4.217	9.181	13.945	32.387	66.436	89.486	166.271
BNGHX0169	VF-F Sand	94.565	159.772	48.954	69.872	83.259	122.302	185.128	229.879	402.304

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGHX0172	VF-F Sand	119.245	160.048	70.678	94.138	108.14	145.454	195.726	224.808	295.182
BNGHX0202	Mud	5.474	8.384	2.341	3.352	4.113	6.632	11.051	13.907	20.447
BNGHX0205	Mud	11.419	57.592	3.341	6.414	9.1	18.799	38.756	57.046	280.535
BNGHX0208	VF-F Sand	116.081	167.048	67.706	94.397	109.99	151.724	208.807	242.15	322.67
BNGHX0212	VF-F Sand	90.459	163.378	49.677	75.077	89.596	130.444	193.395	236.169	384.704
BNGHX0214	Mud	8.319	55.683	2.561	4.48	6.201	12.843	28.55	45.06	357.674
BNGHX0215	VF-F Sand	130.224	183.032	75.551	103.117	119.604	164.098	225.852	262.743	356.723
BNGHX0218	VF-F Sand	116.464	179.701	63.681	93.213	110.575	158.351	226.561	267.859	372.306
BNGHX0220	VF-F Sand	124.517	179.363	71.642	99.594	116.055	160.454	222.265	259.277	353.677
BNGHX0224	VF-F Sand	133.818	156.231	75.84	96.029	109.015	144.1	190.898	217.326	278.241
BNGHX0229	Mud	13.522	42.675	3.648	8.144	12.119	24.863	45.966	60.116	101.103
BNGHX0234	Mud	13.035	53.035	3.414	6.987	10.553	27.039	64.786	90.009	161.026
BNGHX0238	Mud	11.182	27.247	3.259	6.36	9.165	19.171	37.013	48.987	79.781
BNGHX0243	Mud	9.999	38.216	3.005	5.505	7.747	16.301	34.398	49.108	103.408
BNGHX0249	VF-F Sand	145.438	259.435	54.524	124.615	161.022	243.57	343.482	397.34	513.194
BNGHX0255	Mud	14.496	77.573	3.633	7.653	11.722	32.232	100.837	147.916	279.185
BNGHX0256	VF-F Sand	121.033	214.346	48.863	89.54	115.469	187.437	286.157	342.875	473.875
BNGHX0258	VF-F Sand	155.261	268.123	63.055	120.669	154.473	241.751	355.682	419.502	563.325
BNGHX0263	M-C Sand	237.061	308.675	141.95	193.506	221.481	292.459	382.318	431.213	538.119
BNGHX0267	M-C Sand	174.823	223.383	100.62	135.763	156.077	208.716	277.003	314.986	400.443
BNGHX0272	M-C Sand	198.235	230.175	113.372	142.908	161.843	212.904	281.009	319.441	406.747
BNGHX0276	M-C Sand	183.072	259.152	92.921	134.563	160.045	230.316	329.381	387.948	528.337
BNGHX0281	M-C Sand	219.587	298.133	113.963	163.548	193.128	272.571	379.315	439.426	573.797
BNGHX0285	M-C Sand	155.691	204.601	91.878	122.159	140.316	188.609	253.256	290.235	376.538
BNGHX0288	M-C Sand	162.268	216.976	86.868	119.341	139.735	195.742	273.143	318.07	423.366
BNGHX0291	M-C Sand	155.777	224.123	72.571	110.695	134.152	198.608	288.741	341.514	465.534
BNGHX0302	Mud	9.051	41.695	2.835	4.964	6.851	14.067	29.076	41.204	94.632
BNGHX0303	Mud	12.508	48.957	3.566	6.987	10.114	21.904	45.307	63.259	135.297
BNGHX0308	Mud	14.19	36.69	3.933	8.315	12.199	25.739	49.817	66.013	108.008
BNGHX0309	Mud	15.374	56.289	4.146	8.833	13.156	29.305	59.45	80.482	151.277
BNGHX0311	Mud	12.883	30.194	3.825	7.469	10.602	21.599	41.219	54.165	86.529
BNGHX0314	Mud	12.26	60.44	3.375	6.417	9.234	22.631	74.737	110.772	211.825
BNGHX0315	Mud	12.24	72.363	3.245	6.245	9.146	24.898	86.749	126.224	267.907
BNGHX0317	Mud	8.944	33.858	2.845	4.899	6.69	13.565	29.045	43.399	105.594
BNGHX0318	Mud	7.726	35.747	2.618	4.263	5.649	10.854	22.673	34.446	101.222
BNGHX0323	Mud	9.539	22.044	2.987	5.384	7.481	15.016	28.885	38.653	66.222
BNGHX0326	Mud	12.145	47.683	3.413	6.622	9.59	21.561	51.606	78.048	162.422
BNGHX0329	VF-F Sand	114.223	155.968	67.963	93.188	107.536	145.003	194.281	221.99	285.483
BNGHX0332	VF-F Sand	19.333	85.784	4.506	10.897	17.661	54.548	118.449	156.036	262.509
BNGHX0334	VF-F Sand	103.791	171.936	52.893	76.259	91.116	134.258	202.915	250.898	422.376
BNGHX0335	Mud	9.642	40.708	2.796	5.133	7.394	16.773	36.634	52.617	116.582
BNGHX0337	VF-F Sand	136.449	246.207	54.211	114.071	143.619	218.334	319.585	379.646	528.402

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGHX0338	Mud	9.445	46.657	2.955	5.092	6.949	14.258	34.219	62.231	202.031
BNGHX0340	Mud	11.849	45.881	3.396	6.434	9.244	20.636	47.529	70.861	154.084
BNGHX0341	Mud	12.161	60.743	3.281	6.451	9.535	23.202	61.56	94.098	211.155
BNGHX0343	Mud	9.881	40.132	2.966	5.334	7.521	16.381	35.385	50.391	105.961
BNGHX0344	Mud	12.33	58.368	3.384	6.54	9.555	23.06	61.445	92.875	199.624
BNGHX0346	Mud	13.789	69.048	3.574	7.295	10.967	28.412	85.131	131.32	264.996
BNGHX0347	Mud	131.913	215.846	57.8	97.251	120.989	186.498	279.492	335.472	475.65
BNGHX0350	Mud	21.875	121.586	4.835	12.269	20.352	76.661	192.025	247.733	372.501
BNGHX0352	Mud	11.11	55.941	3.12	5.889	8.481	19.732	52.854	84.916	206.328
BNGHX0353	Mud	23.624	98.387	5.249	13.896	24.295	74.338	143.24	183.008	281.555
BNGHX0356	Mud	14.423	63.928	3.696	8.022	12.298	29.404	69.214	102.768	226.412
BNGHX0358	Mud	13.181	55.345	3.643	7.323	10.73	23.675	53.121	81.426	210.448
BNGHX0359	Mud	27.536	132.327	6.149	16.642	28.713	88.251	175.921	234.602	425.28
BNGHX0361	Mud	15.099	61.279	4.061	8.367	12.342	28.693	70.325	104.128	215.129
BNGHX0363	VF-F Sand	112.888	183.272	54.31	83.652	101.23	151.137	227.004	276.18	418.471
BNGHX0366	Mud	20.761	94.697	4.887	11.588	18.527	57.967	137.175	183.38	301.796
BNGHX0367	VF-F Sand	146.565	233.983	63.001	113.394	141.057	212.194	305.682	358.472	478.8
BNGHX0369	Mud	97.145	173.714	42.221	69.814	88.309	144.536	230.593	282.617	407.306
BNGHX0370	M-C sand	145.563	304.707	56.361	92.525	120.517	229.602	429.97	547.683	807.096
BNGHX0373	VF-F Sand	92.261	155.987	43.384	67.505	82.263	124.566	190.306	234.197	370.207
BNGHX0376	VF-F Sand	145.44	254.155	61.048	107.845	137.483	218.794	332.255	400.172	570.907
BNGHX0379	M-C sand	190.867	289.665	83.947	137.32	169.822	256.499	374.307	443.186	610.592
BNGHX0402	Mud	6.577	47.13	2.33	3.631	4.724	8.783	17.868	27.083	287.843
BNGHX0406	Mud	10.327	23.345	3.277	5.933	8.172	15.943	30.033	40.039	69.446
BNGHX0408	Mud	15.714	38.959	4.338	9.649	14.15	28.268	51.099	66.141	107.608
BNGHX0412	Mud	15.947	49.474	4.206	9.578	14.395	30.366	58.492	78.422	142.918
BNGHX0414	Mud	22.936	105.723	5.043	13.22	24.782	68.527	131.073	175.419	339.327
BNGHX0415	Mud	18.275	55.072	5.022	11.108	16.234	33.952	65.871	87.828	155.3
BNGHX0420	Mud	20.26	80.18	5.212	12.199	18.335	42.098	91.268	127.744	270.561
BNGHX0421	VF-F Sand	106.906	226.47	43.053	78.119	99.121	163.663	283.849	377.226	653.613
BNGHX0423	VF-F Sand	81.682	218.802	27.295	64.102	86.111	153.644	281.6	379.159	655.047
BNGHX0427	VF-F Sand	26.492	118.967	6.141	16.021	26.738	76.906	154.047	205.792	384.143
BNGHX0429	VF-F Sand	117.517	228.885	57.698	92.34	113.079	175.466	284.261	364.387	605.175
BNGHX0432	Mud	20.528	80.358	5.263	12.028	18.334	44.934	94.276	127.31	249.258
BNGHX0437	VF-F Sand	86.655	160.231	33.53	72.335	90.389	137.236	203.068	243.487	352.101
BNGHX0440	Mud	10.614	35.442	3.172	5.981	8.47	17.462	34.488	47.085	88.398
BNGHX0444	Mud	8.94	36.331	2.814	4.864	6.681	13.815	29.899	43.696	95.816
BNGHX0449	Mud	11.139	38.341	3.252	6.059	8.669	19.213	41.556	58.498	113.681
BNGHX0450	VF-F Sand	100.918	187.778	46.217	71.97	88.707	140.485	231.878	298.554	502.922
BNGHX0455	VF-F Sand	179.274	298.231	77.451	139.14	174.774	267.321	390.041	460.221	624.835
BNGHX0456	VF-F Sand	29.519	116.62	6.59	18.431	35.282	89.783	159.454	203.479	328.377
BNGHX0458	VF-F Sand	120.116	204.815	58.466	89.631	108.938	165.516	255.79	316.452	491.713

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGHX0461	Mud	15.137	47.378	4.087	8.614	12.843	28.92	59.934	81.7	145.828
BNGHX0464	VF-F Sand	19.183	91.716	4.484	10.327	16.459	58.417	141.215	182.988	281.462
BNGHX0466	Mud	17.058	56.567	4.508	9.977	15.092	33.43	66.413	89.662	166.079
BNGHX0467	VF-F Sand	97.41	165.807	46.583	74.002	89.983	134.89	203.137	247.991	384.613
BNGHX0469	VF-F Sand	105.679	180.739	45.78	80.818	101.159	156.92	236.042	283.326	398.505
BNGHX0473	VF-F Sand	158.328	225.664	82.912	116.095	137.062	196.118	282.5	335.842	473.525
BNGHX0478	VF-F Sand	139.104	265.613	55.645	94.766	123.93	216.879	355.992	439.946	651.336
BNGHX0482	VF-F Sand	232.107	350.093	107.382	172.947	210.735	311.232	449.681	532.043	734.328
BNGHX0485	VF-F Sand	198.13	292.014	96.329	141.588	170.251	251.563	370.83	444.272	632.78
BNGHX0564	VF-F Sand	106.381	178.258	48.098	79.679	99.235	154.382	233.192	279.883	392.254
BNGHX0567	VF-F Sand	23.701	108.776	5.199	14.072	24.358	80.976	152.696	194.161	306.982
BNGHX0569	VF-F Sand	127.34	193.449	66.888	97.631	116.206	168.099	244.024	290.921	411.029
BNGHX0573	VF-F Sand	150.6	220.589	77.057	115.219	137.279	196.904	279.842	328.952	448.582
BNGHX0576	M-C Sand	139.681	240.86	64.194	114.671	141.15	211.134	309.118	368.341	518.202
BNGHX0578	M-C Sand	157.317	229.113	74.652	120.015	144.562	208.605	294.094	342.84	454.951
BNGHX0581	M-C Sand	252.504	474.361	88.706	206.2	279.984	447.275	651.14	757.096	949.534
BNGHX0584	M-C Sand	192.273	416.485	70.838	166.051	228.561	377.745	571.792	680.792	900.361
BNGHX0585	M-C Sand	122.251	283.892	47.534	80.24	104.955	201.06	398.178	523.31	800.696
BNGHX0588	M-C Sand	96.401	191.768	43.8	68.543	84.807	135.927	230.836	305.659	560.804
BNGHX0590	M-C Sand	191.948	280.968	70.148	151.102	183.91	262.889	362.632	417.48	538.197
BNGHX0591	M-C Sand	116.311	244.621	45.77	83.8	111.075	193.454	319.672	402.712	638.394
BNGHX06EX02	Mud	10.084	21.51	3.314	5.818	7.892	15.022	27.691	36.511	62.297
BNGHX06EX05	VF-F Sand	104.265	158.301	54.802	77.649	91.875	131.815	190.65	227.912	336.818
BNGHX06EX09	VF-F Sand	111.089	179.637	57.012	80.942	96.158	140.106	209.557	258.315	444.853
BNGHX06EX14	VF-F Sand	101.675	162.413	52.307	75.847	90.451	131.781	194.115	234.911	364.748
BNGHX06EX18	VF-F Sand	113.798	176.719	61.173	85.606	100.924	144.615	211.375	255.733	396.876
BNGHX06EX23	VF-F Sand	135.988	207.762	70.156	102.102	121.532	175.866	256.276	307.611	454.669
BNGHX06EX27	VF-F Sand	144.09	215.252	74.061	107.849	128.435	186.039	270.509	323.064	460.71
BNGHX06EX32	VF-F Sand	157.03	219.34	82.979	117.047	138.053	195.799	276.875	324.831	440.562
BNGHX06EX35	VF-F Sand	156.865	260.364	71.205	126.162	155.531	232.492	337.374	398.588	544.56
BNGHX06EX37	VF-F Sand	172.037	229.391	98.156	133.964	155.052	210.871	285.572	328.384	428.545
BNGHX06EX41	Mud	15.555	53.268	4.084	8.962	13.67	30.628	60.819	81.897	151.573
BNGHX06EX46	VF-F Sand	144.372	226.415	69.669	106.318	128.771	192.192	286.177	345.189	502.713
BNGHX06EX50	VF-F Sand	114.824	177.489	55.25	83.842	101.702	152.508	227.516	273.524	388.587
BNGHX06EX53	VF-F Sand	162.199	275.117	74.706	133.304	163.767	243.575	353.84	419.558	582.301
BNGHX06EX56	VF-F Sand	102.65	166.135	49.267	74.225	90.318	137.542	210.936	258.12	384.148
BNGHX06EX61	VF-F Sand	121.182	185.232	56.98	87.981	107.123	160.96	238.846	285.658	399.387
BNGHX06EX66	VF-F Sand	111.932	176.472	51.523	82.105	100.738	152.918	228.049	273.209	384.179
BNGHX06EX69	VF-F Sand	129.866	185.193	65.969	94.306	112.342	163.018	235.413	278.536	383.217
BNGP00402	Mud	10.265	36.447	2.85	5.575	8.218	18.549	39.142	54.614	107.511
BNGP00405	VF-F Sand	101.369	136.409	58.495	79.713	92.352	125.792	170.171	195.274	253.159
BNGP00408	VF-F Sand	107.907	150.843	60.84	84.743	98.958	137.029	188.786	218.779	290.606

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGP00412	VF-F Sand	104.46	169.969	55.853	81.435	96.989	140.898	207.026	250.01	378.425
BNGP00417	VF-F Sand	120.392	168.622	69.972	95.339	110.54	151.464	207.907	241.365	325.601
BNGP00421	VF-F Sand	107.527	158.744	60.483	82.61	96.341	134.594	190.601	226.089	329.186
BNGP00423	VF-F Sand	29.213	122.446	6.533	19.565	36.004	96.204	169.013	213.059	335.321
BNGP00427	VF-F Sand	23.236	105.174	5.041	13.456	22.958	87.472	161.168	199.027	283.705
BNGP00432	VF-F Sand	170.551	232.342	102.874	139.066	159.993	215.147	288.679	330.516	427.022
BNGP00435	VF-F Sand	105.635	236.979	33.868	134.5	159.634	222.022	303.084	348.752	452.804
BNGP00439	Peat	22.865	106.829	5.074	14.351	24.202	58.787	137.696	208.713	385.808
BNGP00440	VF-F Sand	73.539	271.08	18.603	89.558	148.95	252.999	374.34	440.918	590.5
BNGP00443	VF-F Sand	138.274	187.992	82.422	111.059	127.934	172.719	233.06	267.857	350.341
BNGP00447	VF-F Sand	88.621	199.718	36.007	86.51	107.806	167.142	257.778	315.777	468.392
BNGP00452	VF-F Sand	192.165	274.606	105.049	147.406	173.317	244.918	346.597	407.109	552.444
BNGP00456	VF-F Sand	173.328	252.067	91.771	131.481	156.24	225.11	321.959	378.404	509.628
BNGP00458	VF-F Sand	114.675	185.482	56.013	85.223	103.429	155.872	235.605	286.166	419.645
BNGP00463	VF-F Sand	147.074	194.216	86.084	114.447	131.707	177.996	240.589	276.669	361.8
BNGP00467	VF-F Sand	188.101	262.16	98.677	138.683	163.721	233.392	332.216	390.679	529.177
BNGP00471	VF-F Sand	156.691	216.193	85.236	119.035	139.715	196.114	273.51	318.011	420.198
BNGP00475	VF-F Sand	170.7	222.439	101.077	133.889	153.557	205.806	275.44	314.919	405.589
BNGP00479	F-M Sand	226.996	313.029	112.354	165.426	197.628	284.245	400.669	466.51	615.52
BNGP00481	F-M Sand	142.218	201.992	75.483	105.128	123.995	177.345	255.034	302.127	417.792
BNGP00486	F-M Sand	140.287	261.368	69.446	124.933	154.338	232.728	340.786	403.756	551.268
BNGP00487	Mud	7.464	34.504	2.336	4.053	5.67	11.448	22.877	32.189	88.169
BNGP00802	Mud	8.875	37.641	2.752	4.874	6.777	13.971	28.305	39.198	78.958
BNGP00803	Mud	7.688	46.738	2.535	4.148	5.561	11.161	24.359	36.776	147.817
BNGP00805	Mud	10.273	46.663	3.162	5.793	8.071	16.195	31.383	42.88	95.402
BNGP00806	Mud	10.174	18.653	3.533	6.095	8.1	14.506	24.739	31.246	48.142
BNGP00808	Mud	9.284	20.776	2.952	5.21	7.2	14.476	27.649	36.547	60.594
BNGP00809	Mud	8.215	50.433	2.644	4.456	6.039	12.185	26.254	39.792	283.196
BNGP00811	Mud	9.976	21.838	3.169	5.689	7.858	15.503	28.95	37.99	62.667
BNGP00812	Mud	11.823	41.353	3.509	6.635	9.398	19.721	39.688	54.061	99.464
BNGP00814	Mud	11.021	41.569	3.253	6.082	8.678	18.556	37.931	52.578	104.381
BNGP00815	Mud	13.102	32.524	3.674	7.464	11.026	23.825	45.194	58.637	91.852
BNGP00817	Mud	20.943	75.467	4.938	12.068	20.348	55.576	103.97	132.774	209.663
BNGP00818	Mud	13.222	54.258	3.505	7.162	10.824	26.477	59.298	82.708	157.132
BNGP00820	VF-F Sand	16.968	54.642	4.265	9.561	14.994	38.308	78.766	102.702	160.17
BNGP00821	VF-F Sand	17.6	77.305	4.117	9.861	16.596	43.771	91.195	124.581	252.029
BNGP00823	Mud	12.887	53.529	3.404	6.893	10.556	26.12	56.966	79.299	155.371
BNGP00824	Mud	11.432	35.986	3.223	6.151	8.953	20.673	47.662	67.969	120.895
BNGP00826	Mud	10.139	25.098	3.031	5.636	8.015	16.953	33.693	45.196	75.829
BNGP00827	Mud	15.357	55.082	4.004	8.801	13.294	29.923	65.858	95.006	185.912
BNGP00829	VF-F Sand	91.589	250.738	25.441	119.966	156.471	235.07	333.85	389.122	513.471
BNGP00830	VF-F Sand	60.383	139.009	14.697	76.584	92.472	130.191	178.968	206.794	272.591

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGP00832	VF-F Sand	22.29	98.305	4.765	12.165	22.118	90.677	146.59	176.408	244.905
BNGP00834	VF-F Sand	115.365	134.81	65.131	82.623	93.913	124.475	165.201	188.086	239.91
BNGP00835	VF-F Sand	98.273	136.457	63.669	85.27	97.277	128.154	168.12	190.471	241.782
BNGP00837	VF-F Sand	99.374	150.897	60.276	85.214	99.159	136.251	187.187	217.257	292.127
BNGP00838	VF-F Sand	90.917	169.779	49.028	76.192	91.489	134.919	203.66	251.532	413.346
BNGP00840	VF-F Sand	97.065	185.982	49.242	76.771	93.413	143.265	228.333	289.729	479.801
BNGP00841	VF-F Sand	14.427	73.975	3.885	7.391	10.719	28.734	103.927	153.121	277.801
BNGP00843	VF-F Sand	13.267	78.168	3.4	6.845	10.384	28.563	85.142	146	340.115
BNGP00844	VF-F Sand	15.836	73.085	3.971	8.39	12.95	36.234	96.009	138.79	263.486
BNGP00846	VF-F Sand	19.179	87.089	4.628	10.561	16.851	48.321	113.32	158.153	298.157
BNGP00847	VF-F Sand	17.99	83.451	4.352	9.892	15.747	43.769	105.524	149.292	288.568
BNGP00849	VF-F Sand	21.872	103.72	4.907	12.303	20.914	69.692	145.131	190.552	317.164
BNGP00850	Mud	11.584	35.925	3.586	6.56	9.076	18.198	36.523	51.077	106.18
BNGP00852	VF-F Sand	182.326	361.969	74.002	136.953	178.681	304.871	496.452	610.082	852.857
BNGP00853	VF-F Sand	205.033	277.918	111.405	157.022	184.012	255.98	351.789	405.433	524.188
BNGP00855	VF-F Sand	211.384	385.683	90.845	161.638	205.167	331.758	522.194	634.516	869.415
BNGP00856	VF-F Sand	148.342	205.932	82.573	112.623	131.347	183.137	256.593	300.682	410.877
BNGP00858	VF-F Sand	176.086	302.965	80.512	124.529	153.597	242.225	391.65	494.126	755.092
BNGP00859	VF-F Sand	150.843	223.136	79.473	112.494	133.308	192.405	279.941	334.585	477.104
BNGP00861	VF-F Sand	160.37	223.656	86.841	120.059	140.929	198.974	281.408	330.536	449.696
BNGP00863	VF-F Sand	192.393	312.433	94.621	137.382	165.615	252.022	399.574	501.08	758.905
BNGP00864	VF-F Sand	225.814	296.692	133.481	179.492	206.251	276.216	368.131	419.724	536.719
BNGP00866	VF-F Sand	247.434	354.927	131.572	185.335	218.493	311.497	447.949	532.131	741.82
BNGP00867	VF-F Sand	214.078	319.103	107.229	158.166	189.262	276.572	405.126	484.732	687.074
BNGP00869	VF-F Sand	202.355	295.174	101.291	148.738	178.073	259.901	376.633	446.154	614.096
BNGP00870	VF-F Sand	242.519	350.435	119.981	183.708	219.812	315.812	446.63	522.772	704.789
BNGP00871	VF-F Sand	198.793	319.195	96.894	145.499	175.766	264.746	408.232	503.594	747.254
BNGP00873	VF-F Sand	187.818	250.795	108.508	146.215	168.992	229.996	312.443	359.641	469.386
BNGP00875	VF-F Sand	175.208	263.495	89.408	129.52	154.446	225.213	331.222	398.144	575.064
BNGP00876	VF-F Sand	157.975	245.227	82.547	115.908	137.343	199.976	300.054	369.017	579.916
BNGP00878	VF-F Sand	32.235	188.405	6.387	19.11	41.453	165.807	278.233	341.546	491.415
BNGP00879	VF-F Sand	195.903	259.905	113.827	153.377	176.872	239.26	322.916	370.742	482.111
BNGP00881	VF-F Sand	241.75	330.828	126.847	183.44	216.293	303.453	419.706	485.263	633.484
BNGP00882	VF-F Sand	231.087	401.29	121.634	197.742	240.113	356.53	523.74	623.122	845.369
BNGP00884	VF-F Sand	209.296	273.08	121.435	163.595	188.469	253.799	339.585	387.571	495.981
BNGP00885	VF-F Sand	235.65	320.803	137.985	187.502	216.728	294.367	398.89	459.038	600.921
BNGP00887	VF-F Sand	293.994	392.064	161.307	219.402	255.639	354.861	492.056	572.051	761.031
BNGP00890	VF-F Sand	165.786	235.936	85.233	119.117	141.257	204.868	298.873	356.268	497.598
BNGP00891	VF-F Sand	160.114	249.422	79.656	115.502	138.574	206.084	312.212	382.352	577.323
BNGP00893	VF-F Sand	132.082	229.146	61.182	93.801	114.931	179.142	287.492	363.286	582.513
BNGP00894	VF-F Sand	127.003	211.267	61.785	90.206	109.111	166.66	262.77	329.197	522.458
BNGP01202	Mud	9.215	44.84	2.972	5.14	6.979	13.735	27.739	39.383	95.389

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGP01206	Mud	88.211	129.24	52.045	74.513	86.83	119.044	162.011	186.568	244.348
BNGP01211	VF-F sand	130.748	190.587	64.81	98.324	118.108	171.61	244.793	286.848	384.024
BNGP01215	VF-F sand	176.816	267.622	92.7	130.608	154.573	223.561	330.758	402.228	608.342
BNGP01220	VF-F sand	129.854	192.073	75.008	102.226	118.676	163.928	229.859	272.014	399.791
BNGP01223.5	VF-F sand	42.97	158.86	10.155	40.283	69.117	123.323	198.123	249.194	438.336
BNGP01224	Mud	12.126	57.201	3.316	6.567	9.732	22.684	50.136	72.582	190.497
BNGP01229	Mud	8.433	52.352	2.744	4.65	6.283	12.357	25.361	37.086	348.186
BNGP01235	VF-F sand	31.16	121.441	7.353	22.451	36.406	82.929	157.148	207.044	364.816
BNGP01237	VF-F sand	77.531	132.463	36.796	58.017	70.863	107.354	162.846	198.857	303.736
BNGP01238	VF-F sand	71.369	133.346	32.1	56.663	70.152	107.46	163.257	199.287	306.162
BNGP01241	VF-F sand	89.708	140.62	47.152	68.728	81.925	118.903	173.137	206.965	298.853
BNGP01246	VF-F sand	141.115	212.642	75.945	107.163	126.513	181.093	262.393	314.292	459.439
BNGP01250	VF-F sand	175.179	205.672	98.777	125.34	142.414	188.706	251.165	286.926	371.093
BNGP01256	VF-F sand	231.662	327.797	118.858	172.221	203.814	290.034	412.567	486.884	674.509
BNGP01261	VF-F sand	204.579	286.985	92.906	148.243	179.907	262.291	370.365	430.812	566.037
BNGP01266	Mud	10.416	36.541	3.403	5.951	8.039	15.326	29.443	40.838	99.149
BNGP01266.5	VF-F sand	177.838	277.549	84.945	131.393	159.502	238.36	354.198	425.867	609.751
BNGP01268	VF-F sand	73.429	182.485	21.858	71.064	93.437	152.803	240.152	294.836	437.158
BNGP01269	Mud	11.11	40.49	3.29	6.194	8.785	18.393	37.994	53.879	113.997
BNGP01270	VF-F sand	133.934	235.767	76.813	128.561	153.344	217.311	302.09	350.023	458.492
BNGP01275	VF-F sand	131.128	240.422	73.994	124.605	150.599	219.177	311.562	363.987	481.593
BNGP01279	VF-F sand	142.529	236.488	68.207	108.411	131.893	197.955	297.903	362.524	542.179
BNGP01284.5	Mud	10.618	56.265	3.334	5.987	8.191	16.065	32.374	47.086	339.168
BNGP01285	VF-F sand	153.212	246.168	72.669	114.763	139.627	209.129	311.935	376.681	550.429
BNGP01290	VF-F sand	209.31	289.656	101.543	155.835	186.66	266.914	371.591	429.517	557.349
BNGP01291	VF-F sand	187.522	319.686	81.631	140.015	176.244	276.536	418.522	503.918	714.882
BNGP01402	Mud	10.801	41.338	3.068	5.865	8.546	19.202	39.777	55.329	129.395
BNGP01406	Mud	16.344	54.843	4.208	9.319	14.411	34.294	68.95	91.939	159.83
BNGP01411	VF-F Sand	29.34	120.153	6.312	21.707	37.746	88.25	164.487	212.795	345.918
BNGP01412	VF-F Sand	121.41	216.243	61.63	99.852	122.027	184.667	278.414	336.744	483.089
BNGP01417	VF-F Sand	160.497	185.91	92.097	115.953	131.237	172.293	226.679	257.185	326.476
BNGP01417.5	Mud	7.015	37.102	2.377	3.853	5.136	9.845	19.79	28.87	123.415
BNGP01418	VF-F Sand	94.062	187.849	68.236	104.12	122.314	170.247	236.293	275.546	372.925
BNGP01420.5	Mud	12.612	49.72	3.248	7.024	10.606	25.057	57.725	84.439	172.531
BNGP01421	VF-F Sand	71.222	141.717	32.614	67.646	82.817	123.361	181.284	216.746	308.388
BNGP01423	Mud	19.142	73.86	4.548	10.772	17.477	51.76	104.031	134.891	218.309
BNGP01427	Mud	10.734	23.917	3.463	6.265	8.544	16.259	29.886	39.406	68.251
BNGP01432	Mud	10.836	35.544	3.045	6.021	8.789	19.264	39.01	53.091	99.076
BNGP01437	Mud	14.049	42.462	3.799	7.92	11.844	26.881	54.384	73.453	131.422
BNGP01441	Mud	10.178	50.322	2.609	5.462	8.393	20.236	45.373	65.832	170.246
BNGP01446	Mud	61.566	155.842	23.378	49.798	65.911	115.143	199.948	259.523	430.842
BNGP01447	VF-F Sand	140.63	209.366	63.097	109.701	131.873	189.399	267.672	313.413	422.114

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Table A.1 – continued from previous page

Sample Name	Field Grain Size	D(3,2)- Surface weighted mean	(4,3)- Volume weighted mean	d(0.05)	d(0.16)	d(0.25)	d(0.50)	d(0.75)	d(0.84)	d(0.95)
BNGP01452	F-M Sand	173.829	232.358	103.722	140.827	162.106	217.566	289.594	329.411	417.355
BNGP01456	F-M Sand	152.831	223.849	79.81	118.631	141.015	201.67	285.721	334.614	448.161
BNGP01461	F-M Sand	221.229	314.04	115.939	174.503	206.125	289.069	399.49	461.701	601.719
BNGP01466	VF-F Sand	194.625	280.216	97.431	150.764	179.322	254.885	357.603	416.681	552.443
BNGP01470	VF-F Sand	180.225	300.166	65.477	138.672	172.827	261.85	388.02	465.314	661.215
BNGP01475	VF-F Sand	66.581	171.931	23.79	61.183	79.502	132.423	220.139	280.6	453.449
BNGP01479	VF-F Sand	185.268	259.973	86.733	138.08	166.169	239.147	334.788	387.924	504.941
BNGP01484	VF-F Sand	144.959	255.24	75.532	126.152	153.008	225.745	328.768	390.17	538.016
BNGP01702	Mud	30.71	447.334	5.129	17.782	61.427	477.501	736.736	840.031	998.788
BNGP01706	Mud	15.559	73.582	4.203	8.844	13.017	28.413	62.898	114.121	358.491
BNGP01711	Mud	14.284	53.009	3.89	8.186	12.187	26.482	52.136	70.284	139.814
BNGP01715	VF-F Sand	34.964	125.571	8.047	25.741	48.312	96.73	160.046	201.955	341.262
BNGP01717	VF-F Sand	85.315	150.549	44.182	74.349	89	128.11	183.46	217.391	310.808
BNGP01717.5	Mud	16.955	80.099	4.193	9.542	14.967	37.119	84.997	123.624	311.206
BNGP01718	VF-F Sand	72.507	134.571	27.5	63.681	78.261	116.161	169.005	200.972	284.38
BNGP01723	VF-F Sand	62.826	173.534	17.506	59.479	77.99	128.278	212.348	275.391	493.537
BNGP01727	Mud	11.467	55.283	3.622	6.483	8.892	17.531	34.719	48.539	303.644
BNGP01732	Mud	11.565	42.436	3.662	6.602	9.073	17.812	34.239	46.357	89.395
BNGP01737	VF-F Sand	102.026	198.39	43.777	88.179	110.262	170.261	257.353	310.999	447.429
BNGP01741	VF-F Sand	131.924	245.366	74.457	118.54	142.465	208.682	307.785	371.663	548.54
BNGP01746	VF-F Sand	149.605	253.846	79.518	113.014	133.556	193.204	295.073	300.017	713.181
BNGP01750	VF-F Sand	135.559	202.547	70.768	104.947	124.54	177.929	254.084	300.602	421.216
BNGP01755	VF-F Sand	152.787	271.189	86.848	139.522	167.405	242.159	346.657	408.668	559.182
BNGP01755.5	Mud	11.374	72.766	3.03	5.682	8.501	24.481	60.496	86.608	415.15
BNGP01756	VF-F Sand	87.072	275.741	25.12	97.215	129.975	221.431	366.91	463.237	714.677
BNGP01761	VF-F Sand	137.405	291.325	67.826	133.537	165.476	251.565	376.067	453.169	652.394
BNGP01767	F-M Sand	170.95	359.695	68.161	170.976	215.502	324.831	470.733	556.366	761.81
BNGP01771	VF-F Sand	167.317	321.815	64.307	152.786	192.286	289.377	419.029	495.152	680.051
BNGP01776	VF-F Sand	165.889	317.281	61.667	155.082	193.111	286.939	411.687	484.445	660.568
BNGP01782	VF-F Sand	206.823	282.536	124.357	174.38	200.755	267.542	352.324	398.551	499.497
BNGP01789	Mud	10.557	55.74	3.429	6.092	8.251	15.552	29.02	39.749	393.821
BNGP01791	VF-F Sand	152.354	277.502	72.625	137.738	169.502	251.443	360.86	423.424	567.81
BNGP02202	Mud	14.705	48.801	3.969	8.522	12.888	27.771	51.866	67.747	116.356
BNGP02205	VF-F Sand	137.17	207.918	72.884	107.594	127.157	180.537	257.771	306.113	437.995
BNGP02209	VF-F Sand	114.399	148.919	59.272	77.77	90.207	125.676	177.364	209.29	296.397
BNGP02214	VF-F Sand	140.863	184.895	73.541	95.68	110.586	153.296	217.039	258.296	389.557
BNGP02218	VF-F Sand	117.243	175.302	69.529	95.844	111.384	153.56	213.277	249.978	350.216
BNGP02221	Mud	9.256	61.284	2.994	5.037	6.778	13.441	29.863	50.196	401.051
BNGP02230	Mud	11.481	25.951	3.569	6.645	9.239	18.105	33.777	44.705	76.043
BNGP02232	VF-F Sand	88.388	124.817	50.804	70.498	82.186	113.497	156.116	180.851	239.873
BNGP02237	F-M Sand	199.726	291.807	92.379	145.673	176.521	259.145	373.533	441.049	604.904
BNGP02241	VF-F Sand	150.596	207.532	86.405	115.543	133.358	181.962	250.687	292.976	410.781

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGP02246	F-M Sand	170.59	309.557	101.32	157.805	188.99	273.072	392.51	465.321	650.613
BNGP02250	VF-F Sand	186.085	246.368	98.835	136.597	160.317	224.775	311.853	361.019	471.279
BNGP02255	VF-F Sand	175.614	296.86	83.61	123.73	150.41	233.456	380.177	483.806	750.253
BNGP02259	VF-F Sand	169.582	229.131	98.178	130.715	150.546	204.399	279.824	325.531	445.685
BNGP02264	VF-F Sand	189.726	263.574	100.175	140.359	165.477	235.034	333.06	390.999	529.427
BNGP02265	Mud	9.819	17.539	3.571	5.905	7.687	13.415	22.916	29.188	45.994
BNGP02266	VF-F Sand	209.87	297.358	108.438	153.874	182.497	262.214	375.756	443.74	611.168
BNGP02270	VF-F Sand	164.843	204.68	87.302	113.34	130.806	180.274	251.338	294.339	404.286
BNGP02275	VF-F Sand	191.71	255.926	103.796	142.65	166.703	232.184	321.952	373.735	493.818
BNGP02279	VF-F Sand	196.066	273.991	103.029	143.731	169.32	240.654	343.346	405.868	563.823
BNGP02282	F-M Sand	212.774	323.11	91.632	152.284	189.471	287.417	419.115	495.787	680.491
BNGP02301	Mud	8.911	35.598	2.858	4.977	6.815	13.471	26.201	35.849	74.371
BNGP02305	Mud	13.741	46.235	3.791	7.812	11.529	25.268	50.528	68.028	121.329
BNGP02309	Mud	13.614	53.758	3.589	7.509	11.332	27.321	60.375	83.108	151.22
BNGP02314	VF-F Sand	15.401	70.305	3.748	8.347	13.137	36.146	97.718	135.367	227.527
BNGP02315	VF-F Sand	51.108	149.69	11.956	68.629	91.406	139.221	200.115	234.809	315.462
BNGP02320	VF-F Sand	86.994	189.425	29.865	85.569	105.94	159.955	239.087	289.769	433.505
BNGP02323	VF-F Sand	9.817	43.276	3.082	5.417	7.457	15.129	31.247	44.743	108.49
BNGP02327	Mud	11.646	54.202	3.374	6.439	9.23	19.821	41.609	59.41	164.608
BNGP02332	Mud	8.015	40.221	2.765	4.512	5.952	11.09	21.54	30.771	107.796
BNGP02337	Mud	9.738	48.538	3.005	5.331	7.403	15.393	32.076	45.598	114.799
BNGP02341	VF-F Sand	21.412	87.21	5.153	12.276	20.097	54.398	107.236	141.399	262.075
BNGP02343	VF-F Sand	86.042	144.498	42.232	64.182	77.878	117.442	178.545	218.381	333.018
BNGP02347	VF-F Sand	125.37	223.185	62.773	90.702	108.954	165.07	267.882	350.566	619.437
BNGP02352	Mud	15.75	74.239	4.142	8.716	12.991	30.505	80.863	129.062	292.812
BNGP02353	VF-F Sand	31.97	129.316	6.934	19.481	39.529	121.745	189.075	225.078	305.844
BNGP02358	VF-F Sand	132.836	179.78	77.556	104.441	120.591	163.965	222.988	257.329	339.87
BNGP02363	VF-F Sand	166.346	260.595	79.876	120.075	145.673	219.729	332.038	402.81	586.958
BNGP02367	F-M Sand	201.429	292.973	100.482	145.527	173.891	253.904	370.792	442.588	625.458
BNGP02371	F-M Sand	248.824	350.566	127.964	187.933	222.507	315.121	442.925	518.35	702.163
BNGP02376	F-M Sand	254.916	347.94	136.765	190.747	223.425	312.434	436.565	510	688.61
BNGP02701	Mud	12.607	40.643	3.579	7.069	10.317	22.209	44.127	60.226	116.838
BNGP02702	Mud	7.769	35.231	2.636	4.237	5.612	11.015	23.802	35.082	80.67
BNGP02703	Mud	9.92	19.086	3.417	5.867	7.814	14.196	24.847	31.924	51.559
BNGP02705	Mud	10.304	21.326	3.354	6.036	8.222	15.457	27.755	36.058	59.477
BNGP02706	Mud	9.666	38.402	2.996	5.213	7.242	15.463	32.533	45.269	95.107
BNGP02708	Mud	10.734	22.664	3.428	6.25	8.586	16.488	30.105	39.208	63.646
BNGP02709	Mud	10.607	38.559	3.223	5.999	8.426	17.13	33.24	44.827	83.495
BNGP02711	Mud	10.427	28.664	3.065	5.677	8.107	17.886	38.166	52.62	91.4
BNGP02712	Mud	9.55	52.352	2.797	5.163	7.316	15.77	36.013	54.961	150.826
BNGP02714	Mud	11.618	46.812	3.287	6.238	8.967	20.675	51.782	76.36	151.024
BNGP02715	Mud	12.772	53.817	3.473	6.909	10.233	24.309	56.487	80.764	164.807

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGP02717	VF-F Sand	16.582	78.234	3.965	8.956	14.384	44.219	96.855	129.301	236.391
BNGP02718	Mud	10.349	41.442	3.021	5.574	7.929	17.547	40.707	60.785	130.457
BNGP02720	Mud	10.64	42.307	3.113	5.766	8.196	17.898	40.766	61.193	138.025
BNGP02721	Mud	11.443	47.14	3.231	6.078	8.778	20.837	50.44	72.445	141.085
BNGP02723	Mud	10.325	40.235	3.063	5.568	7.854	17.248	39.448	57.293	114.265
BNGP02724	Mud	10.89	39.099	3.223	6.01	8.513	18.137	38.747	55.249	110.659
BNGP02726	VF-F Sand	24.649	129.483	4.898	13.471	27.961	118.112	194.346	235.178	327.437
BNGP02727	VF-F Sand	126.267	148.938	70.143	89.91	102.612	137.034	183.079	209.09	268.63
BNGP02729	VF-F Sand	130.207	155.512	71.337	91.828	105.147	141.693	191.536	220.201	287.179
BNGP02730	VF-F Sand	17.762	101.96	4.031	8.888	14.536	69.56	155.29	201.47	317.008
BNGP02732	VF-F Sand	105.691	167.465	56.701	80.185	95.118	138.099	203.882	246.825	374.287
BNGP02734	VF-F Sand	20.684	116.707	4.779	11.362	18.548	57.135	166.598	241.601	417.327
BNGP02735	VF-F Sand	18.33	145.269	4.036	9.476	15.73	73.433	223.661	299.074	494.519
BNGP02737	VF-F Sand	156.253	250.167	79.51	114.622	137.119	203.174	309.785	383.223	598.261
BNGP02738	VF-F Sand	178.537	248.821	96.591	133.308	156.366	220.64	312.753	368.093	503.275
BNGP02740	VF-F Sand	193.761	312.088	94.608	145.102	175.534	262.912	398.639	486.469	712.978
BNGP02741	VF-F Sand	195.086	261.585	112	151.173	174.623	237.651	324.386	375.416	498.647
BNGP02743	VF-F Sand	207.966	278.752	119.429	160.518	185.289	252.197	344.944	399.934	534.949
BNGP02744	VF-F Sand	148.899	202.005	85.742	115.287	133.143	181.457	248.63	288.821	391.024
BNGP02746	VF-F Sand	31.748	143.384	6.75	19.29	40.277	121.478	205.344	254.545	379.762
BNGP02747	VF-F Sand	181.584	241.638	106.793	141.461	162.467	219.217	297.55	343.871	458.288
BNGP02749	VF-F Sand	175.506	250.253	91.551	129.125	152.766	219.068	315.262	373.941	520.97
BNGP02750	VF-F Sand	170.107	288.286	77.868	118.761	146.097	229.991	370.941	466.863	717.59
BNGP02752	VF-F Sand	157.395	248.631	79.104	113.057	135.23	200.935	307.724	381.603	598.341
BNGP02753	VF-F Sand	149.557	204.604	79.708	110.215	129.504	183.004	257.964	301.972	406.969
BNGP02755	VF-F Sand	133.827	182.442	76.452	103.176	119.572	164.282	226.592	263.511	354.091
BNGP02756	F-M Sand	226.926	299.521	123.541	172.004	200.911	277.519	378.158	433.808	555.181
BNGP02758	F-M Sand	245.163	371.055	120.106	178.327	214.358	318.357	479.182	580.624	818.363
BNGP02759	F-M Sand	230.794	304	132.809	178.219	205.406	277.943	376.267	433.37	570.02
BNGP02761	F-M Sand	233.214	299.931	137.796	181.977	208.461	278.574	371.202	423.285	541.285
BNGP02763	F-M Sand	211.021	287.591	116.356	160.527	187.418	260.661	361.737	420.4	557.115
BNGP02764	F-M Sand	191.156	271.547	98.705	143.348	169.791	241.873	343.416	404.005	551.125
BNGP02766	VF-F Sand	182.98	241.07	105.158	141.377	163.185	221.448	299.845	344.739	448.996
BNGP02767	VF-F Sand	183.65	296.287	89.351	131.297	158.086	238.176	373.775	469.657	727.322
BNGP02769	VF-F Sand	193.844	294.143	99.125	139.511	165.481	241.771	366.094	452.063	691.45
BNGP02770	F-M Sand	212.828	326.917	101.011	149.405	181.203	275.636	422.308	514.247	740.952
BNGP02771	F-M Sand	231.726	329.566	118.812	172.786	205.285	294.16	418.272	491.429	667.235
BNGP02773	F-M Sand	184.147	347.434	124.487	184.089	218.23	310.821	440.792	518.333	707.865
BNGP02775	F-M Sand	217.577	300.75	115.865	160.064	187.97	265.955	377.694	444.945	610.185
BNGP02776	Mud	8.018	83.67	2.718	4.37	5.735	10.811	23.992	51.092	613.311
BNGS00102	Mud	4.312	9.582	1.772	2.493	3.072	5.178	9.715	13.833	33.225
BNGS00106	Mud	8.075	34.842	2.523	4.331	5.98	12.526	27.266	40.518	108.44

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGS00111	VF-F Sand	121.845	339.962	47.156	148.831	194.306	304.58	451.899	538.084	743.781
BNGS00115	VF-F Sand	99.557	363.309	30.922	144.241	204.895	331.844	493.244	586.321	801.623
BNGS00120	VF-F Sand	116.54	386.125	42.526	158.919	216.5	349.931	524.93	625.616	847.515
BNGS00124	M-C sand	151.477	416.879	60.13	201.029	253.781	382.649	554.171	652.5	865.918
BNGS00129	M-C sand	95.767	365.42	26.981	128.015	193.547	330.566	504.767	604.867	829.132
BNGS00130	M-C sand	57.159	205.976	13.547	52.057	100.242	185.029	286.466	344.92	483.001
BNGS00135	VF-F Sand	109.293	333.832	36.32	158.763	201.257	303.696	439.675	518.616	706.295
BNGS00140	VF-F Sand	121.895	282.822	47.334	132.525	167.396	255.36	373.191	440.699	596.205
BNGS00144	M-C sand	209.457	448.513	97.076	224.773	277.843	413.364	594.538	695.974	902.824
BNGS00147	VF-F Sand	151.75	383.655	54.602	183.631	232.881	351.226	506.587	595.989	802.7
BNGS00149	VF-F Sand	137.57	307.184	79.078	151.29	184.739	273.7	397.691	470.873	646.18
BNGS00802	Mud	8.415	22.472	2.55	4.413	6.203	14.246	31.588	42.7	69.341
BNGS00806	Mud	7.631	17.793	2.49	4.174	5.693	11.514	23.059	31.336	54.749
BNGS00811	Mud	7.514	16.238	2.605	4.239	5.625	10.648	20.095	26.814	46.939
BNGS00815	Mud	9.357	23.094	2.783	5.114	7.318	15.88	31.495	41.736	68.339
BNGS00818	V.F-F sand	124.513	163.398	79.146	104.037	118.211	154.45	200.525	225.845	282.51
BNGS00820	V.F-F sand	72.06	135.373	39.197	68.719	83.807	123.486	176.394	206.081	272.356
BNGS00A02	VF-F Sand	82.399	166.615	34.325	78.903	97.505	146.634	215.664	257.152	360.277
BNGS00A06	VF-F Sand	113.404	269.691	42.848	107.26	139.421	226.693	356.178	436.836	640.481
BNGS00A11	VF-F Sand	125.122	254.658	49.678	118.65	149.955	229.62	336.435	397.493	536.556
BNGS00A15	VF-F Sand	149.043	330.786	57.833	137.93	179.776	289.453	441.417	531.123	744.632
BNGS00A20	VF-F Sand	131.62	282.218	52.366	130.68	166.899	256.612	373.742	439.726	589.382
BNGS00A24	M-C sand	143.912	306.758	55.106	120.936	161.212	267.619	411.7	495.468	695.41
BNGS00A29	M-C sand	151.557	313.395	59.079	123.858	164.333	272.717	420.646	506.806	711.596
BNGS00A34	VF-F Sand	111.131	263.554	44.191	101.572	131.439	216.585	348.787	432.177	642.208
BNGS00A37	VF-F Sand	111.164	286.009	40.612	99.931	139.309	245.145	389.335	473.596	676.176
BNGS00A41	VF-F Sand	118.397	312.503	44.712	110.893	153.676	268.432	425.477	518.066	740.405
BNGS00A43.5	VF-F Sand	124.584	260.063	50.217	109.978	143.535	231.251	348.486	414.964	565.992
BNGS00B02	Mud	16.08	36.522	4.586	9.93	14.424	28.188	49.015	62.131	97.192
BNGS00B03	VF-F Sand	84.301	275.651	23.743	87.71	130.508	236.087	378.424	462.4	666.55
BNGS00B08	M-C sand	113.726	353.69	33.949	125.303	183.673	314.691	486.076	586.125	814.438
BNGS00B12	M-C sand	105.131	343.837	31.612	117.4	173.338	303.692	474.282	573.576	801.95
BNGS00B15	VF-F Sand	103.928	290.482	34.104	113.287	152.882	252.527	389.804	471.401	669.955
BNGS00B20	VF-F Sand	107.353	260.313	37.652	107.627	144.464	233.479	349.647	415.933	569.088
BNGS00B26	VF-F Sand	107.756	291.885	35.651	118.897	160.1	259.421	391.092	467.551	650.058
BNGS00B30	VF-F Sand	116.122	288.624	45.712	115.316	152.793	250.519	385.461	465.304	659.224
BNGS00C02	Mud	13.335	79.515	3.46	7.233	10.731	25.626	84.569	161.884	358.907
BNGS00C03	M-C sand	239.268	531.997	100.405	295.394	357.661	511.762	703.953	801.401	973.14
BNGS00C05	Mud	10.061	29.679	2.941	5.293	7.585	17.953	39.709	54.375	95.985
BNGS00C08	VF-F Sand	294.133	409.292	162.331	229.731	268.95	373.758	516.3	598.846	791.837
BNGS00C11	M-C sand	41.282	362.08	6.506	73.439	195.348	335.555	508.633	608.809	833.907
BNGS00C11.5	Mud	7.945	44.529	2.393	4.112	5.799	13.109	29.718	43.649	252.733

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGS00C15	VF-F Sand	64.365	241.273	14.72	81.731	112.641	197.489	327.221	407.328	606.14
BNGS00C17	Mud	20.299	68.245	4.933	12.078	19.106	48.654	99.033	128.391	198.013
BNGS00C18	VF-F Sand	51.237	183.47	11.107	96.485	121.161	174.878	241.743	279.029	364.072
BNGS00C19	Mud	15.894	85.72	3.553	8.236	13.637	58.469	139.33	174.923	250.963
BNGS00C22	VF-F Sand	70.537	260.243	20.159	127.998	159.751	239.131	344.578	404.244	538.139
BNGS00C23	Mud	9.137	30.888	2.55	4.717	6.993	16.907	38.619	55.86	108.923
BNGS00C24	VF-F Sand	111.718	280.049	108.023	165.618	193.228	263.54	354.452	404.81	516.712
BNGS00C29	VF-F Sand	277.884	397.665	143.304	214.604	254.412	360.395	505.824	590.984	791.733
BNGS00C29.5	Mud	9.553	61.628	2.629	4.798	6.992	17.361	58.642	136.149	295.623
BNGS00C30	VF-F Sand	122.348	305.439	90.283	163.882	196.701	281.697	394.41	457.791	599.921
BNGS00C35	Mud	18.321	48.146	4.769	10.839	16.919	39.291	69.9	86.613	123.748
BNGS00C36	Mud	19.095	49.035	5.053	11.582	17.813	39.114	69.724	87.325	128.428
BNGS00C40	VF-F Sand	85.737	295.161	25.428	125.277	164.613	260.837	392.623	471.116	662.989
BNGS01202	Mud	8.405	21.881	2.612	4.564	6.346	13.316	27.876	39.008	71.956
BNGS01206	Mud	6.268	20.09	2.215	3.491	4.604	8.745	16.594	22.133	39.364
BNGS01211	Mud	9.947	23.558	3.015	5.467	7.764	16.702	32.281	42.057	66.989
BNGS01215	Mud	10.836	27.175	3.107	5.989	8.764	19.345	37.608	49.191	78.392
BNGS01220	Mud	12.219	62.779	3.042	6.232	9.664	27.721	90.015	132.829	231.388
BNGS01223	VF-F Sand	13.271	66.843	3.042	6.491	10.762	46.181	105.778	135.487	199.815
BNGS01224	VF-F Sand	113.598	228.999	92.054	137.199	159.716	216.716	289.234	328.734	414.441
BNGS01228	Mud	6.846	19.189	2.258	3.682	4.982	10.138	21.36	30.59	63.592
BNGS01229	VF-F Sand	49.973	180.418	10.951	77.717	107.295	168.803	245.17	287.366	380.122
BNGS01230	Mud	7.596	39.485	2.235	3.824	5.438	12.887	35.54	68.927	193.124
BNGS01502	Mud	3.425	5.639	1.597	2.215	2.659	4.063	6.384	7.956	13.128
BNGS01506	VF-F Sand	115.109	299.459	45.562	174.327	205.879	283.536	382.311	436.774	557.804
BNGS01508	Mud	12.307	35.203	3.448	7.623	11.004	20.98	36.704	47.397	82.3
BNGS01509	Mud	17.975	41.665	5.274	11.734	16.311	30.355	54.233	70.688	116.903
BNGS01513	M-C sand	108.382	443.356	32.6	109.107	171.848	418.981	676.847	789.121	972.125
BNGS01514	Mud	16.976	38.782	4.614	10.967	16.144	31.059	52.754	66.024	99.739
BNGS01517	M-C sand	131.043	419.852	60.086	158.625	217.532	378.141	590.496	703.769	917.871
BNGS01518	Mud	9.984	51.865	2.657	4.974	7.424	19.995	62.684	108.334	216.94
BNGS01520	VF-F Sand	120.511	242.577	92.432	142.987	167.101	228.239	307.022	350.534	446.838
BNGS01524	VF-F Sand	139.313	315.233	55.827	167.364	202.955	292.087	408.597	473.992	621.249
BNGS01529	M-C sand	149.923	413.56	61.218	175.2	233.123	375.244	564.233	670.581	888.898
BNGS01534	M-C sand	226.229	467.068	102.375	234.512	290.53	433.616	622.601	725.594	925.403
BNGS01538	M-C sand	279.709	428.064	124.934	206.265	254.101	385.098	566.61	669.561	883.932
BNGS01541	M-C sand	172.434	361.624	72.332	133.197	174.728	302.895	499.844	615.042	856.383
BNGS01543	VF-F Sand	184.654	337.389	77.229	144.586	185.89	296.756	447.891	535.641	742.835
BNGS01544	Mud	15.824	55.746	4.024	9.301	14.096	31.658	73.107	106.399	191.891
BNGS01547	VF-F Sand	155.351	337.409	96.94	179.856	216.565	310.45	434.364	504.477	665.079
BNGS01549	VF-F Sand	124.894	326.814	58.66	129.05	167.541	276.184	438.679	538.029	773.69
BNGS01602	Mud	6.68	19.039	2.227	3.569	4.768	9.67	22.165	33.886	70.912

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGS01605	VF-F Sand	106.819	214.372	61.686	106.248	129.672	192.569	279.262	329.232	443.044
BNGS01606	Mud	8.791	25.398	2.516	4.682	6.848	15.571	33.395	46.785	84.008
BNGS01608	Mud	9.205	22.327	2.747	5.101	7.301	15.34	29.565	39.205	66.098
BNGS01609	Mud	10.318	32.957	2.96	5.601	8.158	18.298	37.106	50.084	91.642
BNGS01614	Mud	10.229	30.143	2.979	5.668	8.176	17.525	34.725	46.849	84.08
BNGS01615	Mud	12.208	50.605	2.907	6.299	10.718	30.363	63.321	86.943	170.973
BNGS01617	Mud	11.196	29.465	3.083	6.168	9.232	21.175	41.412	53.889	84.492
BNGS01621	VF-F Sand	122.254	173.763	73.438	102.637	118.994	161.625	217.605	249.029	320.225
BNGS01623	Mud	12.717	36.921	3.507	7.031	10.38	24.053	50.763	68.234	113.512
BNGS01627	Mud	9.646	23.358	2.747	5.267	7.796	17.451	32.871	42.118	64.578
BNGS01628	Mud	10.461	67.554	2.607	5.534	8.694	20.855	69.749	147.539	306.243
BNGS02102	Mud	12.59	25.647	3.791	7.596	10.833	20.798	35.261	43.88	64.743
BNGS02105	Mud	7.434	28.935	2.445	4.064	5.512	11.017	21.997	30.564	66.986
BNGS02106	Mud	11.859	27.03	3.466	6.929	9.979	20.125	36.724	47.419	75.057
BNGS02108	Mud	10.051	27.949	2.862	5.358	7.808	18.384	39.509	52.93	84.982
BNGS02109	Mud	9.991	27.473	2.856	5.329	7.781	18.157	38.342	51.476	83.783
BNGS02114	Mud	11.516	39.405	3.26	6.436	9.365	20.176	41.655	58.262	113.022
BNGS02118	Mud	11.54	48.042	3.186	6.34	9.312	20.85	46.279	68.062	151.049
BNGS02120	Mud	7.764	15.47	2.612	4.434	5.998	11.394	20.488	26.428	42.385
BNGS02402	Mud	15.791	71.314	3.857	8.723	13.532	38.416	91.109	124.25	230.311
BNGS02405	Mud	10.256	48.573	2.762	5.512	8.253	18.955	43.726	66.155	156.932
BNGS02409	Mud	14.231	36.686	3.849	8.363	12.502	27.077	51.288	66.237	102.632
BNGS02412	M-C sand	97.414	449.221	30.617	159.981	243.98	423.922	638.718	748.508	945.847
BNGS02417	Mud	9.736	35.367	2.882	5.34	7.646	16.413	32.683	44.198	81.545
BNGS02420	VF-F Sand	97.864	294.266	33.336	149.281	184.19	271.229	385.942	450.743	597.406
BNGS02424	VF-F Sand	128.624	402.46	54.998	178.169	231.05	363.001	543.017	647.052	869.395
BNGS02426	VF-F Sand	103.343	444.557	38.453	199.863	264.481	414.623	609.256	715.502	921.262
BNGS02430	M-C sand	101.531	454.153	34.597	153.384	239.815	430.321	651.444	761.533	954.367
BNGS02435	M-C sand	105.471	377.467	40.553	111.269	166.102	328.064	544.565	662.331	892.621
BNGS02438	M-C sand	89.237	310.058	32.589	107.827	145.178	253.352	422.903	529.396	780.74
BNGSH109502	Mud	6.852	15.411	2.228	3.791	5.299	10.415	19.469	25.952	46.011
BNGSH109505	Mud	18.448	84.408	4.228	10.793	18.032	46.5	109.773	163.908	305.677
BNGSH109506	VF-F sand	289.861	364.666	183.175	236.634	266.874	344.11	443.083	498.18	625.229
BNGSH109512	VF-F sand	242.939	320.463	132.275	182.058	212.492	294.411	403.994	465.472	602.777
BNGSH109515	VF-F sand	172.36	229.786	99.231	134.675	155.7	211.534	286.222	328.841	427.495
BNGSH109520	VF-F sand	228.158	313.97	125.09	175.937	206.045	287.043	396.923	459.493	601.243
BNGSH109524	VF-F sand	221.258	258.429	124.682	158.557	180.337	239.151	317.327	361.044	458.532
BNGSH109529	M-C Sand	333.543	445.651	175.907	245.684	288.452	405.464	567.508	660.929	865.684
BNGSH109532	M-C Sand	384.906	462.911	207.274	268.582	309.097	421.821	578.369	668.503	866.692
BNGSH109537	M-C Sand	379.384	462.638	199.579	261.835	303.209	419.492	582.974	677.283	880.605
BNGSH109541	M-C Sand	309.742	433.834	154.265	236.442	281.161	398.325	555.283	644.684	844.125
BNGSH109546	M-C Sand	487.453	570.34	265.604	345.009	397.184	539.4	722.644	815.684	979.739

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH109550	M-C Sand	279.697	383.786	150.438	211.49	248.323	348.247	485.022	563.933	747.767
BNGSH109553	M-C Sand	319.155	448.029	158.468	233.438	279.352	406.084	582.185	682.221	890.531
BNGSH109556	M-C Sand	440.756	520.469	241.377	310.659	356.265	482.389	653.387	747.504	933.331
BNGSH110002	Mud	15.491	38.028	4.146	9.301	14.179	29.525	52.295	66.318	102.105
BNGSH110006	VF-F Sand	142.713	200.977	84.342	119.406	138.361	187.404	251.614	287.607	369.11
BNGSH110011	VF-F Sand	226.432	309.705	123.062	174.253	204.462	285.111	392.546	452.634	586.169
BNGSH110015	VF-F Sand	144.054	165.881	83.363	104.515	118.053	154.364	202.064	228.55	287.886
BNGSH110020	VF-F Sand	244.548	307.425	147.07	194.319	221.608	291.567	379.709	427.122	528.578
BNGSH110024	M-C Sand	308.03	441.056	140.455	232.674	280.45	404.372	570.833	665.716	871.215
BNGSH110029	M-C Sand	438.425	523.197	235.062	306.085	353.16	484.421	663.126	760.336	945.391
BNGSH110034	M-C Sand	340.918	446.616	204.65	270.932	309.954	413.281	552.466	632.975	820.047
BNGSH110038	M-C Sand	330.628	435.125	180.972	244.984	285.09	395.264	548.398	637.523	839.714
BNGSH209502	Mud	22.105	67.753	5.121	14.935	24.404	51.441	92.777	119.272	188.848
BNGSH209503	VF- F Sand	136.411	163.78	73.309	95.555	110.122	150.021	203.756	233.959	301.849
BNGSH209508	VF- F Sand	213.384	275.719	127.146	171.002	195.883	259.909	341.857	386.682	484.685
BNGSH209512	VF- F Sand	187.377	241.937	109.165	146.172	168.006	225.386	300.658	342.592	436.172
BNGSH209517	M-C Sand	296.058	412.05	143.328	225.654	268.098	378.021	524.753	608.916	802.903
BNGSH209521	M-C Sand	371.127	426.763	217.776	270.109	303.686	394.244	515.731	585.353	749.768
BNGSH209526	M-C Sand	320.28	425.593	172.218	235.415	275.131	384.679	537.893	627.599	832.677
BNGSH209526.5	M-C Sand	11.924	48.533	3.123	6.298	9.582	24.44	56.546	80.652	167.142
BNGSH209527	M-C Sand	330.88	450.379	173.902	254.545	298.574	414.694	571.888	662.022	861.596
BNGSH209532	VF- F Sand	180.604	242.787	88.649	131.148	156.367	223.082	310.842	359.445	466.018
BNGSH209535	M-C Sand	301.041	389.004	174.096	231.415	265.888	357.57	480.847	551.722	720.306
BNGSH209538	M-C Sand	353.958	515.124	135.623	280.872	340.577	489.088	677.374	775.899	956.656
BNGSH209543	M-C Sand	511.635	591.141	284.355	366.002	419.269	563.309	745.636	835.981	991.233
BNGSH209547	VF- F Sand	119.837	203.42	52.904	82.831	102.084	159.128	252.415	317.55	516.621
BNGSH210002	VF-F Sand	97.174	140.323	55.838	80.836	94.441	129.762	176.404	202.831	263.916
BNGSH210002.5	Mud	17.296	43.89	4.667	10.544	15.808	32.946	59.919	77.027	121.6
BNGSH210006	VF-F Sand	136.525	228.656	68.449	119.932	144.905	209.492	295.36	343.867	452.899
BNGSH210011	VF-F Sand	279.705	389.035	149.744	216.751	254.809	355.64	491.4	569.411	752.026
BNGSH210015	VF-F Sand	253.171	356.196	130.988	192.862	228.575	323.723	452.251	525.958	698.072
BNGSH210020	M-C Sand	370.052	509.352	200.319	289.208	340.025	475.772	656.959	755.233	942.521
BNGSH2100E02	VF-F Sand	144.263	273.028	59.988	123.271	154.469	238.204	357.21	428.317	600.21
BNGSH2100E03	Mud	14.914	48.007	3.97	8.723	13.225	28.639	53.926	70.485	118.766
BNGSH2100E05	Mud	14.332	49.04	3.768	8.177	12.574	28.307	54.09	70.987	121.762
BNGSH2100E08	VF-F Sand	130.717	177.278	78.121	105.606	121.679	164.033	220.3	252.209	326.2
BNGSH2100E12	M-C Sand	243.848	433.039	94.225	226.434	278.308	402.966	563.839	654.802	855.825
BNGSH2100E17	M-C Sand	213.356	385.425	95.621	205.868	247.99	354.292	495.116	576.018	765.359
BNGSH2100E21	M-C Sand	147.333	326.029	52.308	105.538	144.083	268.633	455.3	563.468	805.24
BNGSH2100E24	M-C Sand	118.277	354.596	42.189	95.224	141.255	299.916	515.373	633.006	870.781
BNGSH308002	VF-F Sand	73.165	114.522	36.409	54.436	65.829	98.315	146.281	175.739	249.898
BNGSH308006	VF-F Sand	176.598	245.792	92.105	135.042	159.324	224.233	312.544	363.059	477.56

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH308009	VF-F Sand	250.481	340.526	130.846	193.528	227.95	316.888	432.044	495.462	634.617
BNGSH308014	M-C Sand	287.228	335.72	160.972	204.753	233.404	311.402	414.707	471.567	594.281
BNGSH308018	M-C Sand	313.363	427.128	168.055	237.775	279.067	389.95	541.188	628.35	826.769
BNGSH308023	VF-F Sand	185.755	241.168	111.14	147.079	168.426	224.735	298.942	340.383	433.016
BNGSH308026	M-C Sand	215.079	283.531	109.997	143.717	166.759	235.022	344.841	420.343	639.266
BNGSH308029	VF-F Sand	294.464	391.959	178.984	241.703	276.726	367.102	484.324	549.903	700.624
BNGSH308035	M-C Sand	224.245	337.505	109.401	161.378	194.174	289.143	433.447	523.239	743.804
BNGSH308038	M-C Sand	358.594	424.882	198.292	253.757	289.959	389.163	523.631	600.435	777.642
BNGSH308043	VF-F Sand	301.666	344.531	176.94	220.417	248.168	322.116	418.399	471.528	589.052
BNGSH308047	M-C Sand	314.692	431.847	167.381	237.959	279.872	393.185	549.209	639.457	842.519
BNGSH308052	VF-F Sand	259.971	355.589	137.246	204.726	240.101	331.233	449.893	515.76	661.678
BNGSH308056	M-C Sand	318.925	449.845	166.057	242.35	287.181	409.528	579.561	676.938	883.816
BNGSH308059	M-C Sand	338.446	465.242	178.177	254.959	300.944	425.998	598.032	695.457	897.969
BNGSH308063.5	Mud	9.026	46.872	2.711	4.815	6.831	14.881	30.928	44.002	211.788
BNGSH308502	VF-F Sand	68.453	139.233	28.875	49.864	62.419	99.308	162.621	211.352	397.436
BNGSH308506	VF-F Sand	205.889	261.475	121.486	161.184	184.579	245.54	324.027	367.023	460.918
BNGSH308508	M-C Sand	289.67	390.335	151.85	216.839	254.938	356.445	492.96	571.07	752.714
BNGSH308512	M-C Sand	244.955	417.05	76.603	162.179	229.339	382.926	571.433	674.826	887.785
BNGSH308517	VF-F Sand	164.137	255.4	79.165	104.217	121.714	176.806	294.548	422.472	752.318
BNGSH308520	M-C Sand	422.114	501.005	230.811	296.558	340.025	460.961	627.435	721.18	913.293
BNGSH308524	M-C Sand	326.087	479.336	119.601	250.038	307.038	448.202	631.213	730.898	926.26
BNGSH308529	M-C Sand	255.347	331.328	147.903	197.994	227.921	307.049	411.683	470.462	603.919
BNGSH308534	M-C Sand	364.14	487.473	198.711	279.603	326.488	451.888	621.297	716.226	910.875
BNGSH308538	M-C Sand	337.033	474.879	150.968	255.893	307.833	441.11	617.148	714.684	912.176
BNGSH308543	VF-F Sand	222.991	301.872	114.485	162.787	192.405	273.306	384.205	447.458	590.66
BNGSH308546	M-C Sand	386.236	511.685	215.785	298.1	346.904	477.817	652.846	748.569	935.529
BNGSH308547	M-C Sand	133.591	467.404	54.984	212.28	280.96	441.044	641.986	747.368	942.035
BNGSH308549	M-C Sand	302.635	475.81	100.59	228.186	292.154	446.208	640.339	743.237	937.133
BNGSH308550	M-C Sand	157.863	292.489	62.089	112.541	145.955	241.412	386.181	478.236	710.373
BNGSH309002	VF-F Sand	139.412	187.394	80.889	108.986	125.843	170.966	232.26	267.872	353.612
BNGSH309005.5	Mud	15.004	40.683	3.693	8.988	14.647	32.321	57.04	71.786	108.183
BNGSH309006	M-C Sand	215.649	304.021	111.031	159.575	189.112	270.786	386.291	454.402	615.475
BNGSH309011	M-C Sand	261.223	334.628	155.632	206.023	235.756	313.494	414.195	469.73	592.653
BNGSH309014.5	Mud	16.559	48.738	4.158	9.504	15.121	36.437	69.969	89.924	136.913
BNGSH309015	VF-F Sand	154.639	217.986	82.699	114.744	134.901	191.362	273.214	323.29	449.716
BNGSH309020	M-C Sand	278.542	374.238	146.507	203.454	239.173	337.149	472.535	551.193	736.679
BNGSH309024	M-C Sand	320.274	426.276	177.049	240.832	280.369	388.254	536.661	622.509	819.193
BNGSH309029	M-C Sand	323.927	458.211	148.316	232.943	283.444	419.136	601.691	702.883	906.937
BNGSH309034	M-C Sand	251.131	352.49	129.912	187.428	221.977	316.328	447.563	524.181	705.466
BNGSH309038	M-C Sand	326.785	440.086	173.327	246.746	289.464	403.511	558.037	646.565	844.901
BNGSH309043	M-C Sand	333.648	444.533	178.447	246.969	289.261	404.878	564.459	656.416	859.62
BNGSH309047	M-C Sand	278.266	360.349	161.54	215.85	248.031	332.958	445.672	509.707	659.289

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH309049	M-C Sand	240.646	425.477	109.788	207.975	257.933	387.288	561.452	660.339	871.816
BNGSH309502	VF-F Sand	127.057	175.169	67.316	95.98	113.054	159.003	221.571	257.562	341.215
BNGSH309506	VF-F Sand	190.82	272.43	97.388	138.998	165.267	239.57	347.268	411.582	564.656
BNGSH309511	VF-F Sand	270.501	359.741	144.173	202.662	237.498	330.355	453.945	523.431	680.757
BNGSH309515	VF-F Sand	194.326	251.582	115.142	154.36	177.095	236.073	312.257	354.204	446.539
BNGSH309520	VF-F Sand	208.459	269.153	122.086	162.943	187.21	250.975	334.432	380.834	483.943
BNGSH309521	M-C Sand	312.688	437.553	141.727	222.306	270.51	398.583	570.224	667.146	874.334
BNGSH309526	M-C Sand	248.679	388.9	112.044	177.52	219.025	339.217	515.278	618.581	844.937
BNGSH309529	M-C Sand	352.992	482.504	166.758	261.486	313.077	447.732	626.08	724.315	919.907
BNGSH407302	VF-F Sand	123.697	201.064	56.634	100.914	123.956	183.35	261.823	306.037	405.257
BNGSH407306	VF-F Sand	151.353	204.981	86.6	117.396	135.928	185.883	254.606	294.931	392.905
BNGSH407308	Mud	15.079	31.971	4.424	9.243	13.323	25.658	43.557	54.39	81.688
BNGSH407312	M-C Sand	264.992	342.16	153.24	205.349	236.376	318.02	424.995	484.701	619.767
BNGSH407317	VF-F Sand	203.61	237.488	115.438	146.178	165.945	219.388	290.74	330.926	422.043
BNGSH407321	VF-F Sand	241.646	301.136	126.927	165.348	191.183	265.098	373.188	438.876	600.995
BNGSH407323	VF-F Sand	198.632	224.575	119.027	147.094	164.636	210.665	270.187	303.159	377.586
BNGSH407324	M-C Sand	299.255	437.133	131.765	208.822	258.859	395.443	579.412	682.165	893.152
BNGSH407326.5	Mud	16.24	48.158	4.105	9.645	15.386	33.43	60.527	78.188	131.288
BNGSH407327	VF-F Sand	185.843	289.438	89.824	136.578	165.192	247.051	370.221	446.934	640.989
BNGSH407332	M-C Sand	333.223	467.849	155.071	243.363	294.328	429.799	612.007	713.099	914.842
BNGSH407337	VF-F Sand	197.908	277.084	99.728	146.435	174.299	249.979	354.07	413.955	550.965
BNGSH407341	VF-F Sand	289.502	387.767	153.742	213.385	250.244	350.669	488.803	569.101	758.441
BNGSH407346	VF-F Sand	126.503	244.012	79.446	120.889	144.754	211.281	309.439	370.549	527.376
BNGSH407349	M-C Sand	129.998	344.778	53.055	136.186	175.653	289.411	466.753	575.829	820.974
BNGSH407802	VF-F Sand	76.247	165.565	30.219	72.606	92.134	143.988	217.785	262.201	370.034
BNGSH407804	Mud	14.575	37.247	4.126	8.556	12.435	25.934	49.456	65.305	109.114
BNGSH407805	VF-F Sand	190.672	249.463	114.64	151.8	173.739	231.656	308.505	351.98	451.271
BNGSH407809	M-C Sand	318.85	454.864	139.766	242.055	292.197	419.975	589.611	685.495	888.512
BNGSH407812	VF-F Sand	120.231	177.479	59.501	88.207	106.265	156.965	228.688	270.6	368.348
BNGSH407817	M-C Sand	298.2	378.555	176.51	233.52	266.909	353.739	466.376	529.176	672.459
BNGSH407821	M-C Sand	272.729	357.443	163.169	216.654	248.27	331.64	441.796	504.059	647.629
BNGSH407826	VF-F Sand	287.104	443.187	98.543	226.966	278.986	408.559	581.132	679.106	886.281
BNGSH407830	M-C Sand	329.351	439.444	183.093	249.917	290.76	401.662	553.832	641.636	840.184
BNGSH407835	M-C Sand	184.639	327.071	76.73	129.951	164.853	269.585	435.477	539.937	786.377
BNGSH407838	M-C Sand	317.598	457.971	147.999	240.897	290.483	420.671	596.229	695.119	899.509
BNGSH407840	M-C Sand	298.929	464.549	97.641	228.173	289.018	433.67	619.06	720.387	920.189
BNGSH407843	M-C Sand	294.873	431.683	143.47	227.358	272.307	392.195	557.882	653.81	864.01
BNGSH408202	Mud	4.472	35.688	1.916	2.688	3.282	5.242	8.693	11.27	251.991
BNGSH408203	M-C Sand	176.1	343.244	56.713	158.33	207.721	316.88	453.645	530.679	709.2
BNGSH408205	VF-F Sand	144.59	192.137	85.293	114.716	132.095	177.966	238.726	273.032	351.739
BNGSH408209	M-C Sand	210.346	293.436	110.606	157.272	185.97	264.817	373.677	436.174	578.928
BNGSH408214	M-C Sand	325.227	430.349	177.741	241.655	281.547	390.98	542.661	630.767	831.51

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH408218	M-C Sand	288.618	373.408	172.977	228.531	261.254	347.327	460.573	524.295	671.147
BNGSH408223	M-C Sand	291.54	376.025	174.376	229.315	262.137	348.809	463.269	528.048	678.36
BNGSH408227	M-C Sand	303.185	392.869	173.724	231.197	266.296	360.213	486.839	559.827	732.437
BNGSH408232	M-C Sand	370.033	499.056	206.396	286.966	334.773	463.577	637.602	734.062	925.954
BNGSH408237	M-C Sand	283.014	391.257	153.196	220.314	258.024	357.896	492.975	570.879	753.692
BNGSH408241	M-C Sand	262.705	362.606	140.311	201.807	236.966	330.632	457.466	530.433	701.073
BNGSH408246	M-C Sand	308.959	423.889	161.151	229.994	271.358	383.896	540.026	630.932	836.807
BNGSH408253	M-C Sand	319.817	437.339	169.396	239.907	282.155	397.205	557.073	650.015	856.706
BNGSH408256	M-C Sand	194.027	368.476	73.847	135.782	181.445	319.119	508.697	615.528	845.48
BNGSH408258	M-C Sand	406.04	562.706	202.505	327.598	388.385	542.595	732.628	826.244	986.789
BNGSH408602	Mud	15.584	45.714	3.9	8.874	14.25	34.628	65.442	83.558	127.06
BNGSH408606	Mud	8.389	28.818	2.55	4.383	6.123	13.591	32.753	51.474	113.251
BNGSH408608	Mud	6.45	36.902	2.128	3.376	4.502	9.287	23.401	41.108	143.315
BNGSH408609	VF-F Sand	166.228	233.988	88.73	131.591	155.257	217.255	298.559	343.431	440.393
BNGSH408614	VF-F Sand	188.775	254.3	115.055	154.844	177.891	238.087	316.469	359.816	455.693
BNGSH408618	M-C Sand	178.924	371.493	142.167	218.814	254.895	346.494	466.239	534.298	694.4
BNGSH408623	M-C Sand	231.285	307.38	127.999	177.717	207.154	285.28	387.955	444.659	567.871
BNGSH408627	M-C Sand	268.862	376.02	136.836	200.293	237.856	339.326	478.459	559.202	749.156
BNGSH408632	M-C Sand	236.792	460.543	163.988	249.1	296.576	423.713	596.72	694.323	897.225
BNGSH408637	M-C Sand	244.751	321.122	145.773	197.102	226.385	302.121	399.279	452.437	568.932
BNGSH408641	M-C Sand	255.193	341.19	156.213	211.887	242.735	322.03	423.474	479.027	601.225
BNGSH408646	M-C Sand	340.869	462.414	184.77	258.943	303.416	424.102	589.564	683.834	884.976
BNGSH408650	VF-F Sand	289.299	402.194	154.307	219.168	258.093	363.906	510.216	595.376	793.722
BNGSH408652	M-C Sand	312.926	464.611	154.707	240.008	289.139	424.094	610.847	714.589	918.331
BNGSH409102	Mud	10.736	63.246	2.796	5.604	8.404	21.279	57.997	89.254	244.816
BNGSH409103	Mud	8.077	47.568	2.046	3.9	7.005	18.304	43.912	71.214	195.676
BNGSH409105	Mud	12.84	48.701	3.081	7.671	12.086	26.415	55.288	81.151	169.717
BNGSH409106	Mud	5.58	19.152	1.808	2.554	3.692	11.464	23.141	31.56	62.505
BNGSH409108	Mud	229.098	327.484	121.57	167.075	197.055	283.783	413.421	493.408	692.938
BNGSH409109	Mud	9.543	98.073	2.322	4.604	7.375	21.803	115.319	210.825	456.764
BNGSH409114	VF-F Sand	8.82	61.636	2.263	4.256	6.634	18.691	76.434	128.329	253.844
BNGSH409115	VF-F Sand	9.85	66.228	2.318	4.725	7.883	30.445	91.377	127.965	223.525
BNGSH409117	VF-F Sand	163.402	386.599	98.042	152.944	191.856	323.559	536.729	656.025	888.802
BNGSH409121	VF-F Sand	96.949	191.355	71.9	108.729	127.409	176.114	241.728	279.569	368.559
BNGSH409126	VF-F Sand	270.621	358.864	150.029	208.988	243.231	333.328	451.423	517.018	661.915
BNGSH409127	VF-F Sand	134.785	198.113	78.939	108.927	127.034	176.625	246.953	289.444	395.86
BNGSH409402	Mud	13.517	64.23	3.325	7.69	11.95	28.233	64.438	100.314	287.521
BNGSH409405	Mud	18.018	38.902	5.049	12.123	17.306	31.762	52.753	65.593	97.678
BNGSH409406	Mud	6.164	17.587	1.965	3.044	4.302	10.553	24.176	33.319	56.656
BNGSH409408	Mud	8.343	49.867	2.186	4.086	6.605	17.206	39.828	66.804	217.242
BNGSH409411	Mud	8.239	36.476	2.416	4.313	6.237	13.918	29.195	42.729	152.414
BNGSH409414	VF-F sand	79.266	236.306	23.83	103.01	136.942	215.085	317.21	375.52	508.555

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TableA.1 – continued from previous page

Sample Name	Field Grain Size	D(3,2)- Surface weighted mean	(4,3)- Volume weighted mean	d(0.05)	d(0.16)	d(0.25)	d(0.50)	d(0.75)	d(0.84)	d(0.95)
BNGSH409415	VF-F sand	106.203	211.322	77.704	118.85	139.918	194.836	268.286	310.22	406.873
BNGSH409602	Mud	14.62	101.761	3.001	8.84	14.889	39.768	147.676	209.982	371.981
BNGSH409603	Mud	15.399	99.839	3.185	9.162	15.212	44.741	150.393	205.984	344.573
BNGSH409605	VF-M Sand	48.085	297.706	10.462	47.359	99.85	221.542	439.775	574.089	842.795
BNGSH409607	C-VC Sand	173.154	586.36	76.74	341.652	415.172	585.856	778.105	866.022	1008.064
BNGSH410002	VF-F Sand	99.385	218.311	90.998	137.572	158.072	208.651	272.162	307.046	385.008
BNGSH410005	Mud	13.901	71.688	3.301	8.347	13.037	28.865	60.147	97.273	341.43
BNGSH410006	M-C Sand	197.351	439.251	135.231	227.156	274.983	401.7	574.436	672.925	882.242
BNGSH410011	VF-F Sand	93.642	183.234	32.098	112.717	130.494	174.257	229.727	260.478	330.322
BNGSH410015	Mud	15.214	72.678	3.442	9.028	14.683	35.537	82.641	124.678	268.16
BNGSH410017	VF-F Sand	73.179	199.551	19.736	90.727	119.57	184.014	266.768	313.709	420.55
BNGSH410021	VF-F Sand	97.682	206.601	34.257	101.739	125.212	185.783	268.93	317.681	433.22
BNGSH410022	VF-F Sand	8.44	17.881	2.611	4.711	6.677	13.617	24.771	31.527	47.899
BNGSH410023	Mud	6.696	16.1	2.066	3.366	5.116	11.711	22.36	29.028	45.732
BNGSH410024	VF-F Sand	36.163	157.41	7.097	31.284	83.507	145.715	219.522	261.29	358.004
BNGSH410026	VF-F Sand	217.376	281.78	150.267	193.29	215.606	271.782	340.55	377.251	460.051
BNGSH502602	Mud	6.785	14.065	2.316	3.806	5.119	9.771	18.088	23.803	40.212
BNGSH502603	VF-F Sand	211.503	286.626	127.553	175.327	201.81	269.874	357.346	405.363	510.592
BNGSH502609	Mud	10.733	28.615	2.886	6.023	9.106	20.445	39.429	51.5	82.706
BNGSH502614	Mud	15.338	34.466	4.108	9.747	14.632	28.261	47.347	58.787	87.041
BNGSH502618	Mud	10.206	40.41	2.639	5.219	8.055	22.253	53.3	76.232	144.562
BNGSH502623	Mud	9.407	23.734	2.804	5.043	7.223	16.242	33.21	44.231	70.664
BNGSH502627	Mud	16.63	106.356	3.417	8.918	16.53	63.717	168.176	221.096	335.693
BNGSH502632	Mud	6.434	82.931	2.035	3.23	4.33	9.56	37.122	95.736	611.193
BNGSH503102	VF-F Sand	91.548	130.145	42.831	65.456	79.265	116.944	168.664	198.167	264.033
BNGSH503103	Mud	6.881	16.125	2.246	3.711	5.128	10.606	21.072	28.355	48.831
BNGSH503108	Mud	6.881	16.125	2.246	3.711	5.128	10.606	21.072	28.355	48.831
BNGSH503114	Mud	3.53	9.28	1.452	2.107	2.637	4.923	10.874	16.193	33.378
BNGSH503115	Mud	8.976	43.772	2.306	4.286	6.825	21.057	50.227	74.209	173.158
BNGSH503118	Mud	5.956	73.596	1.9	2.839	3.981	10.187	30.372	76.584	523.918
BNGSH503123	Mud	5.263	13.891	1.851	2.685	3.655	8.415	17.338	24.142	46.515
BNGSH503126	VF-F Sand	218.668	323.901	100.095	167.78	203.394	295.783	417.906	486.7	642.687
BNGSH503130	VF-F Sand	180.681	401.519	61.86	180.973	237.219	367.663	537.363	634.453	848.768
BNGSH503135	VF-F Sand	128.21	394.767	40.609	155.637	220.87	361.091	540.89	643.216	863.685
BNGSH503140	VF-F Sand	155.645	407.106	48.209	164.824	234.507	376.28	555.479	656.92	873.283
BNGSH503144	VF-F Sand	154.964	281.065	61.189	138.857	171.483	254.156	365.501	429.945	580.644
BNGSH503149	M-C Sand	281.993	482.713	94.682	218.111	291.117	457.493	658.41	762.026	950.722
BNGSH503152	M-C Sand	333.576	486.63	134.866	251.242	308.956	454.955	643.49	744.522	936.76
BNGSH503602	VF-F Sand	120.321	180.285	58.077	86.391	104.462	156.021	231.422	276.968	388.411
BNGSH503606	VF-F Sand	274.207	362.263	141.807	203.003	238.903	333.426	457.897	527.549	684.977
BNGSH503611	VF-F Sand	206.789	236.543	120.495	150.874	170.179	221.478	287.947	324.355	404.207
BNGSH503615	M-C Sand	247.241	287.235	140.715	177.921	201.8	266.226	351.78	399.571	506.123

Continues on next page

TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH503620	M-C Sand	259.616	347.292	138.145	193.576	227.05	317.132	438.596	507.539	664.554
BNGSH503624	M-C Sand	355.762	413.999	203.859	256.403	290.076	381.03	503.4	573.635	739.64
BNGSH503629	M-C Sand	279.844	357.213	163.155	217.658	249.633	333.228	442.115	502.79	639.807
BNGSH503634	M-C Sand	218.042	405.426	87.613	191.521	240.886	367.098	537.119	634.751	849.56
BNGSH503638	M-C Sand	282.2	448.886	120.371	214.857	267.74	409.416	600.244	705.187	912.258
BNGSH503643	M-C Sand	361.316	529.441	125.245	286.893	352.209	508.662	700.321	797.533	970.247
BNGSH503647	M-C Sand	460.261	540.057	253.708	325.206	372.437	503.372	679.471	774.324	953.206
BNGSH503649	M-C Sand	417.031	491.097	232.185	295.188	336.704	451.707	609.638	699.476	891.308
BNGSH503656	M-C Sand	305.073	506.853	175.464	271.597	326.661	474.339	667.922	769.272	954.196
BNGSH503658	M-C Sand	251.418	462.946	128.418	226.623	280.603	425.26	619.355	724.436	925.963
BNGSH503663	M-C Sand	220.837	445.805	80.37	193.13	258.277	412.834	608.998	714.846	919.83
BNGSH503667	M-C Sand	210.779	403.253	91.822	171.754	220.033	355.791	547.925	656.636	880.11
BNGSH503671	M-C Sand	217.718	398.42	111.227	206.042	249.29	361.671	515.141	604.699	811.496
BNGSH503676	M-C Sand	229.153	433.222	88.972	207.356	261.171	396.478	577.376	679.318	890.533
BNGSH503681	VF-F Sand	209.165	399.92	79.642	205.498	254.52	371.206	520.791	605.244	797.983
BNGSH503684	M-C Sand	204.349	441.023	67.653	212.083	272.981	412.054	589.596	688.368	893.356
BNGSH504102	Mud	15.086	54.662	4.083	8.66	13.006	28.653	55.116	73.271	144.496
BNGSH504106	Mud	13.685	34.388	3.75	7.942	11.919	25.403	46.593	60.022	95.818
BNGSH504108	VF-F Sand	172.649	225.998	104.239	140.248	160.62	213.031	280.183	316.961	397.708
BNGSH504112	VF-F Sand	202.627	239.584	111.546	143.244	164.031	220.936	297.147	339.536	432.157
BNGSH504117	VF-F Sand	253.011	350.994	132.118	194.999	229.935	321.882	444.633	514.256	673.836
BNGSH504118	Mud	10.108	50.759	2.73	5.459	8.156	18.175	40.729	71.424	250.425
BNGSH504120	Mud	12.285	54.003	3.151	6.926	10.451	23.17	59.845	106.927	224.012
BNGSH504121	Mud	10.954	31.289	3.101	6.177	8.978	19.038	38.743	54.027	104.91
BNGSH504123	VF-F Sand	26.782	120.004	6.163	17.16	26.841	97.042	185.962	229.93	326.005
BNGSH504124	VF-F Sand	155.939	309.088	62.48	146.001	182.897	277.294	404.817	478.569	652.131
BNGSH504129	VF-F Sand	163.265	343.73	56.276	152.236	197.307	307.546	455.273	541.736	747.551
BNGSH504134	VF-F Sand	202.489	367.282	78.999	194.1	235.507	338.289	473.093	550.02	729.497
BNGSH504138	VF-F Sand	241.428	342.732	130.907	195.301	229.38	317.982	434.474	499.501	644.989
BNGSH504146	VF-F Sand	177.771	301.966	100.711	168.559	200.85	282.758	387.613	444.84	568.035
BNGSH504150	VF-F Sand	158.584	288.161	79.244	149.59	181.591	263.965	373.449	435.273	574.229
BNGSH504155	M-C Sand	273.651	503.575	104.113	261.311	325.341	479.415	671.647	771.606	954.668
BNGSH504159	M-C Sand	346.68	486.81	188.288	276.751	325.141	452.859	624.077	719.513	913.565
BNGSH504164	VF-F Sand	328.066	465.162	186.087	266.42	311.057	429.948	591.506	683.643	882.135
BNGSH504169	VF-F Sand	189.168	346.769	82.023	192.633	230.109	323.738	444.729	511.994	662.572
BNGSH504173	M-C Sand	256.359	490.195	92.049	229.017	299.298	465.705	668.117	771.276	956.449
BNGSH504176	M-C Sand	256.256	479.257	90.413	236.604	302	453.443	642.128	742.735	934.988
BNGSH504602	VF- F Sand	153.527	254.487	78.218	128.078	155.863	230.014	330.461	387.535	516.273
BNGSH504603	Mud	7.024	35.884	2.145	3.511	4.911	11.782	30.683	46.767	135.893
BNGSH504606	VF- F Sand	119.91	222.543	62.169	105.452	130.711	199.16	292.553	345.732	465.32
BNGSH504611	VF- F Sand	218.47	332.565	98.62	161.49	198.741	298.137	432.048	508.581	686.368
BNGSH504615	VF- F Sand	289.354	322.513	177.609	217.167	241.717	305.582	386.276	429.864	524.962

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH504620	VF- F Sand	230.592	348.63	120.737	183.702	218.26	311.584	443.075	521.576	712.036
BNGSH504626	Mud	12.146	66.181	2.983	6.685	10.391	25.163	73.801	137.72	285.332
BNGSH504629	VF- F Sand	159.393	293.088	82.085	158.596	190.762	272.301	378.382	437.28	566.579
BNGSH504634	VF- F Sand	151.041	293.91	57.781	132.012	169.185	263.853	389.441	460.91	625.439
BNGSH504638	M-C Sand	178.26	356.177	65.999	172.968	217.898	326.403	466.828	546.558	731.673
BNGSH504643	VF- F Sand	164.78	287.713	76.257	149.866	182.916	266.236	374.162	433.904	564.916
BNGSH504647	VF- F Sand	174.842	258.822	79.644	138.464	166.85	239.59	334.48	386.953	500.985
BNGSH504652	M-C Sand	232.22	420.647	86.851	229.084	275.663	390.929	541.707	627.484	822.836
BNGSH504656	M-C Sand	178.332	316.405	81.073	145.888	182.695	281.203	415.4	492.588	672.584
BNGSH504661	Mud	10.533	69.432	2.755	5.479	8.313	19.675	61.156	160.581	332.709
BNGSH505102	VF-F Sand	93.573	155.797	44.773	76.051	93.172	139.113	202.433	239.184	324.938
BNGSH505106	VF-F Sand	146.257	199.697	77.316	109.735	129.15	181.53	252.729	293.547	387.664
BNGSH505111	VF-F Sand	183.979	236.789	109.176	144.184	165.159	220.536	293.317	333.927	424.991
BNGSH505115	VF-F Sand	197.201	255.498	114.589	152.706	175.662	236.7	317.593	363.078	465.6
BNGSH505121	M-C Sand	265.729	374.792	129.207	192.431	231.115	336.256	480.386	563.993	760.914
BNGSH505126	M-C Sand	343.123	459.818	180.549	253.936	298.555	420.136	587.67	683.395	886.946
BNGSH505130	M-C Sand	309.462	457.188	131.267	240.053	290.624	421.417	596.935	695.673	899.687
BNGSH505135	M-C Sand	337.969	408.02	180.824	236.338	272.504	371.617	506.647	584.033	763.595
BNGSH505140	M-C Sand	398.719	531.129	217.421	306.069	358.702	499.68	684.72	782.083	960.25
BNGSH505144	M-C Sand	223.885	457.628	75.465	245.217	296.795	426.31	598.867	696.137	898.545
BNGSH505147	M-C Sand	247.411	451.581	119.814	243.827	292.989	418.284	585.719	680.735	883.616
BNGSH505152	M-C Sand	250.25	457.127	96.508	237.874	291.162	424.317	600.75	699.656	902.946
BNGSH505155.5	M-C Sand	329.117	473.968	140.057	260.679	311.584	441.382	613.51	709.677	907.352
BNGSH505156	Mud	12.027	125.811	2.836	6.126	9.861	26.99	195.361	310.23	537.699
BNGSH505158	VF-F Sand	9.344	45.669	2.55	4.849	7.29	17.231	39.637	70.487	229.237
BNGSH505161	VF-F Sand	166.473	292.112	68.959	146.838	182.799	270.597	382.284	443.887	579.512
BNGSH505162	VF-F Sand	34.027	127.105	8.106	23.669	42.102	113.328	185.946	224.949	312.149
BNGSH505163	VF-F Sand	198.275	362.953	108.416	193.077	231.69	331.22	464.815	542.009	724.296
BNGSH505167	VF-F Sand	187.898	267.813	80.783	146.634	176.54	250.763	344.972	396.268	506.469
BNGSH505171	VF-F Sand	251.11	372.057	109.567	199.984	240.203	341.909	475.843	552.198	730.416
BNGSH505174	Mud	6.726	14.16	2.28	3.727	5.033	9.796	18.464	24.401	41.051
BNGSH505175	VF-F Sand	194.678	348.694	90.015	173.221	212.651	314.199	451.419	531.423	722.142
BNGSH505177	Mud	9.781	45.022	2.784	5.111	7.357	16.869	44.81	78.598	177.509
BNGSH505178	VF-F Sand	341.961	476.943	179.218	264.546	312.446	440.258	613.811	711.322	910.478
BNGSH505602	VF-F Sand	38.428	97.041	11.791	27.687	41.237	82.729	136.05	165.887	235.333
BNGSH505606	Mud	6.567	35.768	2.15	3.51	4.827	9.784	19.861	28.411	100.639
BNGSH505611	Peat	10.928	58.473	2.508	5.588	9.281	29.117	74.359	105.135	205.618
BNGSH505612	M-C Sand	329.65	437.459	186.938	254.403	294.711	402.542	548.229	631.717	822.4
BNGSH505617	M-C Sand	334.115	450.947	189.37	262.138	304.186	416.123	567.378	654.053	848.281
BNGSH505621	M-C Sand	310.196	396.744	185.315	243.945	278.547	369.102	488.047	555.268	711.351
BNGSH505626	M-C Sand	251.064	324.149	148.445	198.051	227.26	303.545	402.355	456.794	577.042
BNGSH505630	M-C Sand	384.231	497.365	227.839	302.541	346.64	463.96	621.359	709.955	897.694

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH505632	Mud	7.374	32.579	2.059	3.866	5.971	16.414	37.257	53.415	125.359
BNGSH505635	Mud	9.498	32.545	2.508	5.087	7.965	20.547	44.193	60.327	104.379
BNGSH505640	M-C Sand	274.958	413.136	140.101	211.594	253.563	369.432	534.584	631.984	848.977
BNGSH505644	M-C Sand	165.578	350.199	74.209	142.38	181.002	293.035	470.015	580.417	827.685
BNGSH505647	Mud	13.264	74.317	3.088	6.597	10.822	39.549	103.81	142.51	246.91
BNGSH505649	M-C Sand	252.143	472.766	146.402	256.572	306.901	438.693	616.649	715.987	915.449
BNGSH505653	M-C Sand	279.947	395.055	156.767	224.398	262.381	362.742	497.585	574.958	755.287
BNGSH505659	M-C Sand	279.043	488.671	145.311	258.899	313.774	456.181	644.01	745.425	938.057
BNGSH506102	VF-F Sand	140.419	243.337	66.857	122.5	150.735	222.981	317.755	370.711	487.452
BNGSH506106	VF-F Sand	256.367	346.078	135.973	196.318	230.612	320.6	438.417	503.763	648.199
BNGSH506111	VF-F Sand	208.964	285.984	108.248	154.256	182.546	259.773	365.117	424.742	557.57
BNGSH506115	VF-F Sand	372.429	447.564	200.887	260.266	299.409	407.87	557.244	643.094	837.435
BNGSH506120	M-C Sand	493.802	574.803	272.235	350.749	402.415	543.929	726.516	819.062	981.649
BNGSH506124	M-C Sand	305.965	390.292	152.113	206.431	242.748	346.217	494.386	581.919	786.808
BNGSH506129	M-C Sand	445.271	514.713	255.892	320.461	362.424	477.452	633.91	722.007	906.513
BNGSH506134	VF-F Sand	296.681	388.181	172.669	229.489	263.722	355.485	480.196	552.513	725.688
BNGSH506135	Mud	7.817	29.937	2.486	4.211	5.8	11.975	24.514	35.258	109.96
BNGSH506137	Mud	8.509	21.529	2.578	4.645	6.638	14.02	26.767	35.546	64.161
BNGSH506138	Mud	10.049	33.308	2.751	5.58	8.349	17.8	36.887	57.009	129.934
BNGSH506140	Mud	25.917	72.508	6.541	18.242	27.411	55.15	99.046	126.987	198.954
BNGSH506141	Mud	14.842	57.803	3.983	9.122	13.571	26.74	47.532	62.327	143.652
BNGSH506143	VF-F Sand	209.183	367.562	95.766	189.934	231.668	336.296	474.178	553.148	738.044
BNGSH506147	VF-F Sand	224.495	260.635	128.009	161.738	183.38	241.669	318.928	362.091	458.565
BNGSH506152	VF-F Sand	208.429	304.126	107.636	152.923	181.705	263.742	385.226	459.921	646.117
BNGSH506156	M-C Sand	341.628	462.176	180.479	252.503	297.493	421.528	593.035	690.477	894.269
BNGSH506161	VF-F Sand	148.922	302.379	101.904	159.712	190.87	274.162	388.263	454.085	605.923
BNGSH506166	M-C Sand	152.687	383.193	64.013	165.485	217.095	344.958	514.692	612.472	831.974
BNGSH506602	Mud	14.412	56.762	3.31	7.675	12.958	41.104	84.243	108.24	165.648
BNGSH506603	VF-F Sand	161.235	242.099	72.731	114.963	141.716	215.715	316.997	374.499	503.829
BNGSH506605	Mud	16.638	61.387	3.801	9.423	15.998	45.901	90.745	115.819	174.177
BNGSH506609	VF-F Sand	62.504	140.042	20.234	61.444	77.22	117.791	175.395	211.324	312.052
BNGSH506614	Mud	7.041	14.532	2.351	3.936	5.362	10.387	19.153	24.993	40.89
BNGSH506617	VF-F Sand	69.823	181.7	24.413	74.405	98.699	159.853	242.738	291.401	408.291
BNGSH506621	Mud	11.622	55.68	3.093	6.453	9.782	21.941	45.02	63.768	186.263
BNGSH506623	M-C Sand	73.534	379.989	17.735	122.582	188.224	339.249	538.723	650.798	879.63
BNGSH506626	Mud	5.551	26.499	1.911	2.893	3.835	7.991	18.813	30.654	124.37
BNGSH506634	Mud	6.877	29.893	2.164	3.554	4.886	10.655	26.076	44.799	147.118
BNGSH507102	Mud	11.846	51.333	3.045	6.22	9.515	25.171	63.444	90.654	165.656
BNGSH507103	Mud	7.245	16.944	2.36	3.968	5.441	11.034	21.365	28.5	49.582
BNGSH507108	Mud	4.604	9.85	1.756	2.516	3.203	6.179	12.893	17.682	30.393
BNGSH507109	M-C Sand	96.624	269.766	45.148	134.944	165.245	244.06	351.436	413.646	558.313
BNGSH507111	Mud	7.143	13.786	2.482	4.059	5.432	10.298	18.3	23.32	36.392

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH507114	M-C Sand	113.961	344.016	119.865	187.534	221.044	310.055	435.107	510.497	698.331
BNGSH507115	Mud	10.644	111.746	2.915	5.451	7.927	19.369	61.277	126.391	726.744
BNGSH507117	M-C Sand	349.997	428.195	184.023	241.878	280.119	386.782	535.753	622.575	822.115
BNGSH507118	Mud	12.61	41.835	3.382	6.839	10.298	24.801	54.96	77.33	142.004
BNGSH507123	Mud	11.802	40.49	2.947	6.549	10.224	24.323	54.943	77.074	133.026
BNGSH507127	Mud	7.115	52.619	2.122	3.603	5.238	12.222	27.805	41.437	330.176
BNGSH507132	Mud	6.07	49.221	1.949	3.009	4.21	9.882	22.534	34.267	311.556
BNGSH507137	VF-F Sand	74.479	265.85	20.842	118.198	150.938	235.585	353.501	422.819	586.522
BNGSH507140	Mud	5.942	56.267	1.906	2.919	4.184	9.888	21.954	35.767	391.192
BNGSH507141		112.705	405.98	49.474	225.507	267.398	374.553	520.13	605.604	806.395
BNGSH507602	VF-F Sand	38.447	206.767	7.032	45.508	102.827	186.4	288.731	348.046	488.417
BNGSH507605	Mud	10.331	42.891	2.375	5.885	10.192	23.536	49.24	75.144	164.998
BNGSH507608	Mud	10.818	79.299	2.19	5.855	11.154	43.072	122.195	162.932	261.141
BNGSH507609	Mud	8.743	60.21	2.149	4.233	7.219	20.467	72.305	120.019	240.413
BNGSH507615	Mud	15.996	71.194	3.64	8.672	14.167	49.438	107.954	139.222	212.695
BNGSH507618	Mud	13.553	69.194	3.059	7.222	11.69	39.512	107.567	142.217	220.694
BNGSH507620	M-C Sand	117.005	378.7	44.721	149.645	196.209	326.719	521.627	635.827	871.858
BNGSH507621	Mud	6.737	53.76	2.081	3.343	4.652	10.855	29.93	56.547	290.913
BNGSH507627	Mud	10.297	63.488	2.515	5.18	8.083	23.192	101.445	140.826	226.662
BNGSH700502	VF-F Sand	124.511	176.297	75.699	104.228	120.66	163.874	220.758	252.54	324.067
BNGSH700505	VF-F Sand	147.939	210.496	90.249	125.214	144.815	196.036	263.487	301.259	386.327
BNGSH700509	VF-F Sand	21.612	61.217	5.27	14.729	22.562	45.992	83.439	107.78	171.484
BNGSH700514	Mud	27.966	93.026	6.233	20.571	34.677	75.853	132.51	165.58	243.132
BNGSH700518	VF-F Sand	99.522	246.449	28.871	151.064	178.924	240.775	314.974	354.924	442.389
BNGSH700523	M-C Sand	128.083	248.726	44.742	108.545	143.535	227.756	333.717	392.004	520.2
BNGSH700527	VF-F Sand	187.866	219.121	106.593	134.902	153.081	202.263	268.115	305.304	389.748
BNGSH700530	Mud	17.85	55.653	4.192	11.778	18.743	39.84	74.498	98.144	164.38
BNGSH700532	Mud	354.634	490.117	196.169	282.398	330.237	456.499	625.488	719.906	912.917
BNGSH700534	Mud	14.989	42.983	3.932	9.238	13.864	28.607	53.07	69.882	121.377
BNGSH700535	Mud	148.426	362.49	48.363	100.827	155.443	324.018	516.087	621.386	848.529
BNGSH700537	Mud	14.807	37.137	3.885	9.213	13.914	28.323	50.498	64.566	101.382
BNGSH700538	Mud	320.774	363.271	191.411	236.339	264.932	340.809	438.997	492.95	611.845
BNGSH700541	Mud	14.824	43.398	3.775	9.093	13.829	29.611	56.239	74.414	128.919
BNGSH700542		89.55	230.094	27.397	109.433	146.487	220.158	308.333	355.833	457.103
BNGSH700543	Mud	9.159	50.786	2.507	4.746	7.041	17.15	40.628	60.108	189.486
BNGSH700544	Mud	219.644	505.136	190.985	300.55	350.151	478.13	647.153	740.138	925.609
BNGSH700546	VF-F Sand	8.366	59.42	2.285	4.265	6.451	16.03	37.366	54.786	381.831
BNGSH700549	M-C Sand	7.626	37.043	2.323	4.05	5.716	12.175	25.988	38.117	204.413
BNGSH700552	M-C Sand	197.56	376.576	111.012	192.792	233.602	340.163	485.484	570.661	772.709
BNGSH700556	VF-F Sand	330.666	440.268	198.221	263.029	301.713	405.178	546.41	628.538	819.988
BNGSH700559	VF-F Sand	156.306	362.954	67.853	165.629	208.622	321.93	479.621	572.947	792.188
BNGSH700561	M-C Sand	96.182	261.967	30.396	101.331	137.858	227.279	350.798	424.728	605.488

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TableA.1 – continued from previous page

Sample Name	Field Grain Size	D(3,2)- Surface weighted mean	(4,3)- Volume weighted mean	d(0.05)	d(0.16)	d(0.25)	d(0.50)	d(0.75)	d(0.84)	d(0.95)
BNGSH700563		116.041	260.81	39.933	130.574	161.28	238.317	341.191	400.076	534.618
BNGSH701002	Mud	16.465	50.014	4.151	10.189	15.87	33.228	60.237	78.307	133.968
BNGSH701003	VF-F Sand	66.992	115.392	35.03	51.368	61.355	89.463	131.681	159.398	252.289
BNGSH701008	VF-F Sand	71.155	113.115	36.947	55.016	66.012	96.894	142.423	170.822	245.617
BNGSH701012	VF-F Sand	247.716	328.932	153.404	207.384	236.957	312.332	407.552	459.14	570.79
BNGSH701017	VF-F Sand	201.333	264.242	119.131	162.517	186.66	248.654	328.334	372.154	468.912
BNGSH701021	VF-F Sand	228.628	312.225	116.188	179.898	212.189	293.814	397.137	452.901	571.771
BNGSH701026	VF-F Sand	96.169	167.148	43.242	69.973	86.749	136.36	215.199	266.282	399.997
BNGSH701029	Mud	14.992	39.191	3.898	9.023	13.889	29.054	52.889	68.425	110.256
BNGSH701034	VF-F Sand	65.346	329.67	14.6	68.038	165.168	306.521	462.863	551.021	757.9
BNGSH701038	Mud	19.435	141.494	4.419	10.354	16.711	58.929	222.446	309.609	501.497
BNGSH701043	Mud	9.476	32.625	2.752	5.075	7.259	16.165	36.183	52.493	114.15
BNGSH701047	M-C Sand	283.441	372.845	172.015	230.771	264.078	350.042	460.909	522.359	660.961
BNGSH701050	Mud	8.27	39.235	2.485	4.257	5.949	13.563	34.751	56.291	187.839
BNGSH701053	Mud	5.977	78.459	1.859	2.749	3.988	11.04	33.456	73.894	553.956
BNGSH701502	Mud	20.285	57.161	4.768	13.459	22.106	46.642	80.258	100.077	148.128
BNGSH701506	Mud	15.852	44.351	3.995	9.418	14.914	33.429	61.816	79.43	124.172
BNGSH701509	VF-F Sand	92.703	168.88	41.936	87.271	106.094	154.435	218.941	255.645	339.084
BNGSH701514	VF-F Sand	93.931	138.464	55.615	77.812	90.481	124.041	169.532	196.074	261.647
BNGSH701515	VF-F Sand	61.368	126.775	25.558	54.417	67.212	101.222	150.62	182.275	281.404
BNGSH701517	VF-F Sand	98.832	120.594	52.46	68.421	79.042	108.728	149.973	173.853	229.709
BNGSH701521	VF-F Sand	218.788	295.983	119.466	167.471	195.995	272.326	374.492	431.799	559.017
BNGSH701526	VF-F Sand	239.23	347.759	101.659	191.807	229.943	324.495	445.381	512.221	661.378
BNGSH701530	VF-F Sand	168.95	256.336	73.545	125.255	155.213	233.271	335.31	392.155	518.438
BNGSH701532	Mud	9.119	27.044	2.58	4.923	7.189	16.107	34.289	47.61	87.461
BNGSH701537	Mud	9.453	26.927	2.692	5.127	7.439	16.596	35.199	48.488	86.398
BNGSH701541	Mud	11.127	31.921	3.021	6.156	9.197	20.991	42.646	57.331	98.2
BNGSH701546	Mud	9.952	26.705	2.891	5.635	8.051	16.657	32.959	44.914	82.311
BNGSH701550	Mud	6.825	51.842	2.099	3.477	4.847	11.132	28.678	46.227	310.485
BNGSH701552	Mud	10.413	25.291	2.97	5.949	8.708	18.18	33.85	44.078	71.799
BNGSH701553	M-C Sand	343.317	457.16	206.76	274.509	314.498	421.738	568.713	654.142	848.011
BNGSH701558	Mud	9.715	24.128	2.941	5.373	7.646	16.226	30.96	40.424	65.986
BNGSH701561	M-C Sand	213.871	522.933	65.003	294.026	353.967	502.875	691.72	789.514	965.527
BNGSH701566	M-C Sand	99.034	299.052	30.567	118.443	170.815	275.987	404.529	476.533	642.414
BNGSH701569	VF-F Sand	133.689	399.595	38.931	180.557	239.34	368.917	537.513	634.627	849.961
BNGSH702002	VF-F Sand	24.77	88.308	5.276	18.956	34.908	75.804	124.998	153.109	220.528
BNGSH702005	VF-F Sand	118.787	157.891	70.406	94.886	109.207	146.813	196.193	223.895	286.832
BNGSH702008	VF-F Sand	30.641	123.3	6.82	24.02	41.397	93.571	171.25	221.019	349.157
BNGSH702012	VF-F Sand	46.761	167.81	13.685	37.91	54.625	114.046	233.767	311.136	495.569
BNGSH702014	Mud	16.615	54.932	3.934	10.214	16.583	37.412	71.556	94.82	166.058
BNGSH702015	VF-F Sand	94.113	253.964	30.822	93.184	141.728	235.765	347.183	408.423	544.657
BNGSH702020	M-C Sand	197.13	274.729	108.969	158.684	185.675	256.119	348.426	399.388	509.81

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH702024	M-C Sand	147.554	219.402	74.539	107.173	127.805	187.093	277.28	334.291	480.306
BNGSH702029	Mud	12.329	50.02	3.372	6.627	9.727	23.116	56.664	90.552	210.474
BNGSH702032	Mud	9.402	24.064	2.851	5.121	7.227	15.494	32.183	44.421	76.449
BNGSH702037	Mud	10.94	35.217	2.967	5.912	8.796	20.808	45.964	64.223	116.873
BNGSH702041	Mud	13.385	51.984	3.313	7.073	11.133	32.094	72.877	98.929	169.577
BNGSH702046	VF-F Sand	12.429	83.644	3.019	6.358	9.774	29.019	116.71	176.869	335.625
BNGSH702047	M-C Sand	264.257	413.645	88.292	187.424	245.893	380.551	550.345	645.937	855.411
BNGSH702052	M-C Sand	350.939	468.342	211.787	291.274	332.976	439.738	580.148	660.163	842.665
BNGSH702053	VF-F Sand	19.473	204.332	3.962	10.389	18.994	85.026	338.988	462.404	722.434
BNGSH702055	VF-F Sand	83.72	169.421	36.512	60.837	76.311	123.943	209.3	272.985	468.048
BNGSH702058	VF-F Sand	136.649	263.285	82.208	135.872	164.297	239.513	340.976	398.522	527.991
BNGSH702059	VF-F Sand	139.788	277.387	87.319	154.51	184.135	259.75	357.431	410.852	525.256
BNGSH702060	M-C Sand	132.558	518.694	37.323	205.184	333.302	521.56	725.427	822.643	986.212
BNGSH702061	M-C Sand	141.933	301.884	66.726	150.974	184.793	272.311	391.518	460.767	623.741
BNGSH702502	VF-F Sand	110.024	151.565	62.023	86.671	101.086	139.187	189.983	218.896	286.122
BNGSH702506	VF-F Sand	196.625	245.925	123.487	159.882	180.638	233.493	300.186	336.525	416.624
BNGSH702511	VF-F Sand	28.333	141.601	5.78	18.681	32.423	121.638	218.892	267.116	370.542
BNGSH702514	VF-F Sand	61.9	153.271	19.312	60.397	81.811	134.71	205.921	247.604	347.239
BNGSH702515	M-C Sand	220.115	309.486	108.994	163.531	195.278	280.593	396.352	462.234	612.052
BNGSH702520	M-C Sand	231.449	309.413	122.117	174.412	205.175	286.561	393.21	451.827	578.938
BNGSH702524	VF-F Sand	208.779	266.403	125.494	166.127	189.793	251.141	329.687	372.472	465.279
BNGSH702527	M-C Sand	285.374	447.942	139.928	231.662	281.056	410.373	584.62	683.271	890.142
BNGSH702529	Mud	13.662	45.554	3.495	8.043	12.295	27.217	53.335	71.732	134.315
BNGSH702534	Mud	7.042	19.155	2.287	3.809	5.199	10.542	22.056	31.517	63.544
BNGSH702538	Mud	11.825	35.521	3.262	6.647	9.807	21.622	43.766	59.774	112.325
BNGSH702543	VF-F Sand	55.205	177.493	13.408	67.098	87.44	143.398	233.888	293.652	447.32
BNGSH702544	VF-F Sand	272.278	383.36	110.598	219.075	259.523	359.203	486.495	557.259	716.814
BNGSH702549	M-C Sand	150.179	357.905	57.09	223.854	257.949	340.923	445.94	504.744	642.206
BNGSH702552	Mud	5.097	52.149	1.939	2.849	3.641	6.517	12.236	17.602	444.221
BNGSH702555	VF-F Sand	103.016	198.118	36.877	71.554	95.458	165.341	267.832	328.955	473.795
BNGSH702559	VF-F Sand	109.04	187.292	54.439	79.81	95.754	142.128	218.262	275.292	503.148
BNGSH702564	VF-F Sand	132.49	165.989	68.753	90.387	104.941	146.328	205.812	241.577	330.554
BNGSH702569	VF-F Sand	167.383	194.44	94.992	120.658	137.003	180.692	238.021	269.874	341.085
BNGSH702573	VF-F Sand	235.166	308.749	122.208	176.595	207.74	288.405	391.696	447.687	567.321
BNGSH702576	VF-F Sand	237.046	297.761	143.51	187.704	213.774	281.381	367.474	414.133	514.314
BNGSH703002	VF-F Sand	92.484	149.911	42.147	77.112	93.245	135.317	192.582	225.963	305.538
BNGSH703006	VF-F Sand	152.864	265.174	72.318	135.61	164.965	241.126	343.743	402.464	536.228
BNGSH703011	VF-F Sand	149.87	224.109	78.946	122.041	144.953	205.334	286.457	332.527	436.661
BNGSH703015	VF-F Sand	107.806	195.957	54.118	94.854	115.954	173.1	254.121	302.254	416.792
BNGSH703020	VF-F Sand	254.746	368.532	108.699	190.512	232.066	337.099	474.502	552.44	733.031
BNGSH703024	VF-F Sand	161.79	254.015	74.807	119.275	145.517	218.666	325.82	391.801	557.603
BNGSH703029	M-C Sand	226.79	378.215	91.473	185.486	232.048	346.236	493.639	577.241	770.736

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH703034	VF-F Sand	190.67	256.135	103.469	145.99	170.875	236.912	324.21	372.713	478.802
BNGSH703038	VF-F Sand	188.943	265.425	89.607	144.02	172.351	245.279	340.64	393.642	509.928
BNGSH703043	VF-F Sand	137.617	186.107	72.858	102.627	120.627	169.206	235.152	272.89	360.011
BNGSH703046	VF-F Sand	174.488	239.512	89.09	129.757	153.79	218.308	305.474	354.864	465.637
BNGSH703502	Mud	16.524	49.885	4.061	9.962	15.727	36.346	70.35	91.312	142.835
BNGSH703503	VF-F Sand	70.623	156.142	21.099	80.551	99.142	144.669	203.975	237.359	312.793
BNGSH703505	Mud	13.985	49.16	3.457	7.733	12.57	31.308	61.548	80.97	135.517
BNGSH703509	VF-F Sand	148.893	309.249	83.647	164.172	197.917	284.867	399.812	464.447	609.886
BNGSH703514	VF-F Sand	89.809	163.573	37.739	71.813	89.218	137.455	210.331	256.788	378.71
BNGSH703518	VF-F Sand	119.29	164.737	68.962	94.228	109.357	149.984	205.303	237.413	314.199
BNGSH703523	VF-F Sand	88.984	197.398	38.225	70.365	89.671	149.932	255.869	328.108	521.411
BNGSH703527	M-C Sand	256.999	365.415	130.259	200.865	238.004	334.882	464.029	537.654	708.476
BNGSH703532	M-C Sand	277.431	366.075	167.199	224.764	257.677	342.898	453.161	514.406	652.931
BNGSH703537	M-C Sand	135.01	272.978	60.45	122.174	154.282	240.438	359.622	429.176	593.885
BNGSH703538	VF-F Sand	33.385	163.999	6.612	22.307	57.686	150.352	239.122	287.775	397.56
BNGSH703540	M-C Sand	187.773	393.324	90.301	201.087	245.74	359.113	510.776	598.405	801.394
BNGSH703544	M-C Sand	293.891	325.977	182.554	221.664	246.012	309.207	389.039	432.224	526.405
BNGSH703546	Mud	11.601	53.324	2.828	5.927	9.556	28.437	64.644	87.548	152.733
BNGSH703549	VF-F Sand	42.148	195.815	7.401	69.22	112.157	185.481	271.54	318.212	419.356
BNGSH703553	VF-F Sand	184.59	241.53	109.128	146.275	168.36	226.204	301.046	342.051	431.4
BNGSH703556	Mud	10.886	57.132	2.689	5.403	8.583	26.367	72.12	111.56	222.046
BNGSH703558	VF-F Sand	142.351	195.824	84.327	116.156	134.391	182.129	244.884	279.988	359.045
BNGSH703563	VF-F Sand	152.488	219.687	88.832	129.368	150.544	205.056	276.281	316.106	405.786
BNGSH703564	Mud	8.215	49.929	2.35	4.279	6.239	14.272	32.663	49.792	239.862
BNGSH703566	VF-F Sand	186.743	217.04	106.414	134.35	152.324	200.932	265.621	301.846	383.116
BNGSH703570	VF-F Sand	141.123	188.305	87.916	116.293	132.731	175.587	231.832	263.572	336.904
BNGSH703576	M-C Sand	235.622	306.678	141.695	188.022	215.388	287.118	380.319	431.75	545.422
BNGSH704002	Mud	19	64.486	4.529	11.556	19.077	44.926	82.827	106.175	170.002
BNGSH704003	VF-F Sand	104.127	148.58	60.398	87.179	101.567	138.619	186.767	213.618	274.113
BNGSH704008	VF-F Sand	119.506	173.861	61.582	90.831	108.16	155.446	221.43	260.162	352.239
BNGSH704012	VF-F Sand	195.425	287.263	89.917	144.982	176.995	261.859	373.815	435.957	572.885
BNGSH704017	M-C Sand	271.996	384.778	137.588	210.796	249.847	352.007	488.797	567.148	749.864
BNGSH704021	VF-F Sand	158.942	233.626	79.422	117.755	140.751	204.533	296.769	352.919	492.136
BNGSH704026	VF-F Sand	175.2	255.862	87.772	133.87	159.907	230.071	327.328	384.037	515.942
BNGSH704030	VF-F Sand	221.759	326.088	105.218	167.401	201.646	293.007	418.336	491.067	661.74
BNGSH704034	Mud	14.415	58.519	3.821	8.145	12.286	27.636	57.385	81.902	225.306
BNGSH704035	VF-F Sand	81.604	275.295	27.014	63.157	100.624	233.651	392.89	482.477	695.893
BNGSH704038	Mud	10.529	51.511	2.92	5.378	7.823	20.084	52.455	79.186	228.173
BNGSH704040	M-C Sand	172.763	392.625	60.052	190.93	243.622	363.504	517.2	605.125	807.707
BNGSH704043	VF-F Sand	120.034	298.546	43.718	188.665	218.184	288.393	374.734	421.587	525.25
BNGSH704044	VF-F Sand	101.178	240.613	37.437	122.17	150.835	222.146	315.731	368.205	484.408
BNGSH704046	Mud	12.1	50.355	3.116	6.388	9.769	26.251	60.187	81.632	142.745

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH704050	Mud	11.611	41.902	3.009	5.975	9.125	25.853	61.275	82.039	131.81
BNGSH704055	Mud	7.912	35.482	2.135	3.781	5.95	17.006	39.568	55.892	112.547
BNGSH704059	Mud	8.307	24.196	2.537	4.408	6.162	13.469	30.319	43.826	83.769
BNGSH704064	Mud	8.995	27.694	2.64	4.76	6.795	15.43	34.707	49.445	94.204
BNGSH704502	Mud	16.894	54.018	4.177	9.887	15.498	37.111	76.642	101.115	160.66
BNGSH704505	V F-F Sand	44.796	101.119	12.977	38.907	54.181	90.17	136.698	163.352	225.777
BNGSH704506	V F-F Sand	17.437	56.38	4.397	11.087	16.775	33.95	65.298	92.575	199.016
BNGSH704508	V F-F Sand	140.963	189.557	84.358	114.172	131.371	176.348	235.532	268.845	344.857
BNGSH704509	Mud	14.492	41.195	3.808	8.28	12.763	28.67	54.975	72.372	121.181
BNGSH704511	V F-F Sand	120.367	174.809	57.821	94.804	113.258	160.985	224.023	259.417	338.858
BNGSH704515	V F-F Sand	180.002	251.409	89.073	134.188	160.506	230.461	323.254	374.868	487.806
BNGSH704517	V F-F Sand	228.732	302.718	127.888	174.933	203.571	280.283	381.701	437.718	559.617
BNGSH704521	M-C Sand	226.119	324.512	80.684	175.857	215.331	307.131	419.523	480.105	610.21
BNGSH704526	M-C Sand	218.631	306.868	105.155	170.26	202.955	285.95	392.732	451.401	579.448
BNGSH704530	M-C Sand	285.405	408.493	157.342	236.938	276.679	379.132	514.467	591.454	769.595
BNGSH704532	V F-F Sand	14.318	51.662	3.908	7.993	11.847	26.847	56.704	79.675	181.183
BNGSH704534	M-C Sand	202.012	380.296	132.508	221.467	258.497	352.792	478.118	550.515	724.161
BNGSH704535	M-C Sand	12.924	96.669	3.198	6.55	10.226	29.155	103.066	229.826	434.66
BNGSH704537	V F-F Sand	177.889	265.025	79.403	149.992	178.016	248.766	339.714	389.385	496.039
BNGSH704543	Mud	11.842	52.526	3.02	6.156	9.407	25.451	68.893	101.494	191.169
BNGSH704546	Mud	10.271	30.231	3.025	5.493	7.804	17.691	40.151	56.168	99.268
BNGSH704549	Mud	5.911	8.619	2.539	3.725	4.586	7.199	11.161	13.583	19.601
BNGSH704550	M-C Sand	231.6	326.424	115.882	182.203	216.205	303.527	416.67	479.098	616.137
BNGSH704552	Mud	11.107	39.219	2.88	5.703	8.752	24.529	55.777	74.569	121.978
BNGSH704555	V F-F Sand	156.512	217.628	82.414	116.41	137.611	196.137	277.275	323.912	430.053
BNGSH704556	Mud	9.874	36.289	2.812	5.382	7.791	17.13	36.611	51.797	105.423
BNGSH704558	Mud	3.537	4.944	1.694	2.229	2.644	4.018	6.3	7.751	11.413
BNGSH705002	Mud	8.344	31.33	2.027	4.078	8.251	21.834	44.189	58.076	94.134
BNGSH705005	VF-F Sand	52.469	106.845	16.188	47.68	61.182	94.74	140.433	167.466	233.241
BNGSH705008	Mud	13.463	49.434	3.168	7.807	12.93	30.563	58.093	76.093	131.152
BNGSH705009	VF-F Sand	98.1	137.575	57.06	80.593	93.729	127.888	172.58	197.613	254.414
BNGSH705014	VF-F Sand	148.231	259.899	60.114	121.181	154.084	236.818	343.777	403.387	535.951
BNGSH705018	VF-F Sand	139.788	249.897	58.913	125.34	156.507	232.178	327.866	380.344	494.541
BNGSH705023	VF-F Sand	137.902	203.924	67.691	105.694	127.193	184.624	262.55	307.061	408.427
BNGSH705026	VF-F Sand	16.561	75.981	3.753	9.825	15.754	42.077	104.404	145.221	253.666
BNGSH705027	VF-F Sand	66.62	143.675	24.586	53.914	69.804	112.716	176.828	219.008	352.987
BNGSH705032	VF-F Sand	149.312	217.248	75.527	118.131	140.719	199.847	278.419	322.582	420.737
BNGSH705037	VF-F Sand	137.615	268.946	52.239	113.798	148.935	239.859	360.022	427.978	583.258
BNGSH705041	VF-F Sand	155.004	333.186	48.166	153.292	207.327	313.755	442.198	513.38	675.516
BNGSH705042	Mud	9.885	55.127	2.437	5.263	8.479	21.454	46.809	66.441	189.118
BNGSH705046	Mud	12.637	64.705	2.916	6.609	11.071	34.627	73.295	98.004	185.957
BNGSH705050	Mud	10.255	57.158	2.641	5.259	8.065	21.993	53.49	76.812	206.655

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH705055	Mud	4.914	11.598	1.887	2.8	3.583	6.424	11.806	15.93	33.481
BNGSH705059	Mud	6.306	21.483	1.989	3.379	4.826	11.644	28.46	40.292	71.201
BNGSH705702	VF-F Sand	22.472	54.001	6.173	14.632	21.516	42.344	73.928	93.604	143.457
BNGSH705706	Mud	17.58	44.792	4.558	10.986	16.822	34.918	62.048	78.703	120.345
BNGSH705711	Mud	18.803	45.86	5.215	11.906	17.29	34.332	62.202	80.233	127.059
BNGSH705715	Mud	21.128	56.459	5.403	13.689	21.019	43.651	77.809	98.961	152.844
BNGSH705717	Mud	17.293	47.427	4.465	10.681	16.188	34.246	64.802	84.876	137.086
BNGSH705718	VF-F Sand	145.582	290.419	55.996	175.38	204.788	277.18	367.837	416.927	523.059
BNGSH705723	VF-F Sand	158.072	286.684	85.4	159.357	190.154	268.097	368.642	423.939	543.879
BNGSH705726	Mud	17.778	50.774	4.644	10.802	16.355	34.517	66.57	89.719	158.14
BNGSH705730	VF-F Sand	118.73	234.715	43.612	129.007	155.707	221.331	304.56	349.777	446.223
BNGSH705734	VF-F Sand	59.763	120.687	21.533	48.198	62.006	98.638	152.124	186.182	282.278
BNGSH705735	M-C Sand	327.458	463.14	213.754	297.717	337.761	438.42	569.605	644.579	819.775
BNGSH705739	M-C Sand	114.078	301.933	37.961	174.936	208.832	288.861	388.412	442.769	562.383
BNGSH705740	Mud	13.318	48.347	3.374	6.948	10.973	30.859	65.719	88.278	153.651
BNGSH705744	Mud	10.535	35.899	2.885	5.4	7.959	21.229	50.649	68.98	116.022
BNGSH705749	Mud	4.823	8.872	1.941	2.798	3.502	6.012	10.851	14.486	25.938
BNGSH705753	Mud	6.535	25.831	2.074	3.293	4.494	10.324	27.087	43.638	111.226
BNGSH705756	Mud	16.154	57.738	3.545	8.841	16.906	49.549	85.117	104.395	148.421
BNGSH705758	VF-F Sand	89.401	189.569	76.999	117.868	135.853	180.483	236.997	268.16	338.143
BNGSH705763	VF-F Sand	83.994	267.243	26.927	154.088	183.849	255.253	344.835	393.726	500.383
BNGSH705767	Mud	9.022	27.461	2.758	4.778	6.632	14.607	34.938	50.986	95.858
BNGSH705769	M-C Sand	130.504	314.492	108.914	183.369	215.569	296.275	399.46	456.471	583.642
BNGSH705770	Mud	10.716	63.759	2.977	5.662	8.24	19.615	47.915	70.54	347.5
BNGSH706302	Mud	7.31	30.751	2.449	4.117	5.553	10.541	19.57	26.16	51.279
BNGSH706303	Mud	5.187	13.8	1.963	2.878	3.649	6.613	13.814	20.824	48.026
BNGSH706308	Mud	18.702	44.42	5.292	12.799	17.816	32.334	55.486	70.962	116.149
BNGSH706312	VF-F Sand	113.543	176.385	48.533	90.067	109.4	159.663	227.68	266.92	358.239
BNGSH706314	VF-F Sand	37.714	85.18	13.707	25.91	34.657	64.037	114.336	146.563	228.983
BNGSH706317	VF-F Sand	100.65	178.958	42.398	73.065	91.456	145.104	230.481	286.372	434.421
BNGSH706318	M-C Sand	204.553	304.797	91.619	166.552	200.641	285.573	393.102	451.436	577.071
BNGSH706320	Mud	17.134	43.165	4.385	10.758	16.698	33.849	58.957	74.608	115.153
BNGSH706321	M-C Sand	178.653	329.802	63.084	144.876	194.722	305.084	438.831	512.569	680.069
BNGSH706326	VF-F Sand	145.999	191.86	84.853	113.991	131.331	177.231	238.359	273.004	352.822
BNGSH706330	VF-F Sand	192.729	256.475	115.431	155.368	178.529	239.174	318.722	363.207	463.079
BNGSH706335	VF-F Sand	168.986	238.096	87.664	131.967	156.13	219.508	303.61	350.677	455.032
BNGSH706337	VF-F Sand	217.877	291.705	133.744	181.716	208.272	276.389	362.907	409.741	510.459
BNGSH706337.5	VF-F Sand	9.568	56.055	2.738	4.924	7.043	16.734	44.185	73.676	305.156
BNGSH706338	VF-F Sand	132.398	261.869	51.336	123.895	157.117	239.493	346.558	406.277	538.824
BNGSH706340	Mud	14.353	50.443	3.775	7.614	11.649	30.575	67.568	92.938	167.142
BNGSH706341	VF-F Sand	77.259	179.7	27.042	64.574	90.596	158.187	246.362	296.124	408.598
BNGSH706343	VF-F Sand	19.092	118.554	4.253	10.1	17.023	59.841	191.279	256.712	390.483

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH706802	Mud	12.688	35.401	3.3	7.367	11.165	25.106	49.049	64.255	102.826
BNGSH706805	VF-F Sand	31.269	138.832	6.312	23.499	48.075	122.931	201.301	244.679	345.332
BNGSH706808	Mud	16.698	46.046	4.123	10.396	16.579	35.579	63.585	80.946	125.541
BNGSH706812	Mud	14.932	47.826	3.722	8.701	13.637	31.862	64.253	86.158	147.713
BNGSH706814	M-C Sand	287.102	365.915	184.33	239.268	269.982	347.109	444.949	498.895	622.109
BNGSH706815	Mud	15.443	34.987	4.329	10.363	14.62	26.721	45.07	56.77	88.557
BNGSH706817	M-C Sand	149.641	336.661	49.58	200.527	234.855	319.28	426.82	486.417	621.047
BNGSH706821	VF-F Sand	214.306	290.345	128.528	178.111	204.883	273.464	361.538	410.054	517.581
BNGSH706826	VF-F Sand	266.578	303.741	156.597	194.941	219.448	284.727	369.267	415.539	516.235
BNGSH706830	VF-F Sand	160.515	215.446	92.798	125.76	145.384	197.705	268.279	308.744	403.387
BNGSH706832	Mud	11.238	41.815	3.122	6.104	8.882	20.355	46.402	68.172	164.939
BNGSH706837	Mud	17.335	52.981	4.063	10.636	18.146	40.958	73.004	92.878	146.309
BNGSH706843	Mud	10.556	32.465	2.791	5.511	8.468	22.266	45.958	60.336	96.876
BNGSH706847	Mud	4.93	9.514	1.924	2.847	3.612	6.32	11.407	15.192	27.973
BNGSH706849	Mud	3.623	13.838	1.271	2.186	2.857	5.493	11.77	17.487	41.328
BNGSH706852	Mud	8.422	40.009	2.376	4.342	6.332	15.586	38.589	56.414	111.128
BNGSH706856	Mud	5.303	60.539	1.902	2.858	3.679	6.927	15.932	30.256	464.311
BNGSH706859	Mud	10.718	28.876	2.884	5.822	8.94	21.116	40.466	52.179	81.499
BNGSH706861	VF-F Sand	207.029	285.377	118.41	157.884	182.503	251.143	351.627	414.216	576.601
BNGSH706866	M-C Sand	322.072	373.231	185.735	232.739	262.917	344.357	453.185	515.063	659.438
BNGSH706869	M-C Sand	308.886	422.064	157.055	219.318	259.824	375.152	542.489	641.529	859.978
BNGSH706870	M-C Sand	385.941	498.724	209.091	283.252	330.141	459.61	637.723	736.582	930.217
BNGSH706871	M-C Sand	301.117	390.972	176.315	234.708	269.223	360.477	482.42	552.469	719.638
BNGSH706872	M-C Sand	252.87	386.265	119.33	192.976	233.896	344.374	499.624	591.815	807.111
BNGSH707302	Mud	19.389	53.107	4.568	12.399	21.138	44.646	74.813	92.269	134.084
BNGSH707306	Mud	16.095	42.066	4.096	9.976	15.503	32.603	58.177	73.941	113.772
BNGSH707311	Mud	9.954	24.716	2.984	5.558	7.854	16.432	32.848	44.093	74.229
BNGSH707312	VF-F Sand	117.223	168.801	59.003	88.697	106.03	152.744	216.378	252.756	335.949
BNGSH707317	VF-F Sand	142.438	255.142	51.683	119.896	157.459	240.094	339.017	392.283	506.649
BNGSH707319	Mud	21.117	50.243	5.695	14.648	21.198	39.671	67.324	84.895	131.972
BNGSH707320	VF-F Sand	170.862	245.804	71.248	130.844	158.74	228.368	317.577	366.71	473.902
BNGSH707324	VF-F Sand	134.103	187.328	71.102	102.389	120.887	170.717	238.412	276.974	363.9
BNGSH707329	VF-F Sand	137.259	194.434	72.786	106.093	125.287	176.749	246.942	287.316	380.236
BNGSH707334	VF-F Sand	60.789	123.639	26.135	47.481	60.176	97.153	155.579	194.037	303.89
BNGSH707338	Mud	11.887	36.454	3.109	6.434	9.893	24.777	50.755	66.849	108.892
BNGSH707343	Mud	10.947	42.696	2.762	5.712	8.978	24.53	53.446	72.325	129.182
BNGSH707347	VF-F Sand	125.434	163.648	79.701	104.728	118.87	154.956	200.721	225.815	281.693
BNGSH707349.5	M-C Sand	621.983	681.106	382.268	470.678	526.29	668.259	831.142	905.274	1024.486
BNGSH707350	Mud	3.999	9.213	1.708	2.386	2.915	4.746	8.296	11.239	28.194
BNGSH707355	Mud	5.104	19.114	1.939	2.882	3.684	6.621	12.459	17.14	41.113
BNGSH707358	Mud	5.788	53.548	1.927	3.025	4.023	8.623	24.652	42.953	375.319
BNGSH708002	Mud	10.597	28.434	2.827	5.879	8.997	20.465	39.28	51.144	81.744

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH708006	Mud	14.85	45.366	3.708	8.501	13.496	32.49	63.555	82.911	132.335
BNGSH708011	VF-F Sand	89.436	143.896	43.769	68.47	83.046	123.371	181.371	216.665	307.786
BNGSH708015	VF-F Sand	115.295	182.525	57.283	90.905	109.959	161.935	235.256	278.657	381.63
BNGSH708017	Mud	14.865	52.803	3.514	8.708	14.036	34.313	69.641	93.288	162.644
BNGSH708018	VF-F Sand	115.063	269.791	46.848	154.038	182.555	253.726	345.205	395.811	508.218
BNGSH708021	VF-F Sand	118.649	162.013	70.044	96.348	111.335	150.508	202.024	231.042	297.348
BNGSH708026	M-C Sand	272.525	374.401	143.667	217.687	254.831	349.651	472.298	540.36	692.584
BNGSH708030	VF-F Sand	92.507	241.848	30.677	78.724	114.502	206.496	329.797	402.446	579.023
BNGSH708034	Mud	14.815	53.83	3.444	8.133	13.8	39.034	76.567	99.089	157.731
BNGSH708038	Mud	14.754	43.216	3.587	8.422	14.144	34.126	61.284	77.275	116.831
BNGSH708043	Mud	9.046	25.252	2.585	4.752	6.952	16.782	35.264	46.946	76.688
BNGSH708047	Mud	10.841	42.204	2.841	5.697	8.54	21.485	59.997	86.542	146.254
BNGSH708052	Mud	9.237	29.066	2.538	4.851	7.206	17.423	39.558	54.796	94.502
BNGSH708056	Mud	8.712	26.649	2.605	4.639	6.546	14.387	32.598	47.514	94.71
BNGSH708059	VF-F Sand	153.122	219.569	83.344	121.187	143.122	201.793	280.316	324.285	421.051
BNGSH708064	M-C Sand	238.259	485.416	184.841	266.851	315.551	448.19	629.399	729.699	926.572
BNGSH708067	M-C Sand	170.775	426.29	72.835	203.423	255.765	388.64	569.199	672.113	886.875
BNGSH708070	M-C Sand	406.722	475.361	231.406	290.776	329.433	436.005	583.726	669.527	861.855
BNGSH708071	M-C Sand	371.413	491.94	196.254	274.6	322.839	454.19	632.387	730.843	925.446
BNGSH708502	Mud	6.021	11.632	2.201	3.424	4.458	8.158	14.975	19.711	33.129
BNGSH708506	Mud	17.069	37.308	4.777	10.757	15.85	30.564	51.143	63.375	93.704
BNGSH708511	Mud	13.089	37.631	3.474	7.375	11.255	25.562	50.452	67.083	113.102
BNGSH708515	Mud	13.278	39.55	3.374	7.422	11.754	28.038	54.537	71.368	115.595
BNGSH708517	VF-F Sand	83.203	159.724	36.517	77.332	95.059	141.785	206.898	245.558	339.455
BNGSH708518	Mud	19.522	60.387	4.669	11.701	19.428	46.621	85.506	108.566	165.953
BNGSH708523	Mud	14.646	44.367	3.826	8.103	12.487	30.35	61.572	81.459	133.268
BNGSH708526	VF-F Sand	101.897	183.669	47.613	92.332	112.755	166.071	238.536	280.257	376.363
BNGSH708527	Mud	55.606	183.495	14.597	48.196	85.455	167.344	260.222	310.424	419.891
BNGSH708529	VF-F Sand	86.818	202.283	29.616	85.635	115.809	186.555	274.561	322.3	424.205
BNGSH708530	Mud	49.07	143.908	14.053	38.122	57.522	114.669	198.865	250.47	378.325
BNGSH708532	VF-F Sand	108.508	162.343	58.12	83.668	99.388	143.196	205.962	243.625	335.692
BNGSH708535	VF-F Sand	73.983	147.307	32.706	56.258	70.505	113.816	189.572	242.282	380.759
BNGSH708538	VF-F Sand	63.596	117.017	29.887	52.498	64.979	99.627	150.573	182.103	263.43
BNGSH708540	Mud	15.334	65.331	3.61	8.158	13.531	41.17	89.038	119.135	202.656
BNGSH708544	Mud	10.413	33.119	2.822	5.36	8.047	21.366	46.414	61.966	102.38
BNGSH708546	Mud	8.742	33.648	2.519	4.409	6.322	16.181	39.888	56.174	102.756
BNGSH708549	Mud	8.047	22.765	2.498	4.254	5.896	12.928	28.931	40.876	75.593
BNGSH708553	Mud	10.051	52.075	2.709	5.016	7.564	21.057	47.526	66.033	162.579
BNGSH708555	Mud	10.096	27.5	2.881	5.409	7.907	18.434	38.223	50.96	83.111
BNGSH708556	Mud	9.05	21.778	2.833	4.951	6.885	14.518	29.114	38.933	65.099
BNGSH709002	Mud	15.75	65.054	3.753	8.333	13.835	41.087	88.103	120.737	215.556
BNGSH709006	Mud	65.491	140.998	23.916	60.487	78.391	124.586	187.621	224.34	310.548

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH709009	Mud	15.201	36.662	4.121	9.547	14.025	27.558	48.902	62.856	100.772
BNGSH709011	VF-F Sand	147.227	199.286	89.462	121.777	139.932	186.994	247.956	281.712	356.839
BNGSH709014	VF-F Sand	49.046	244.679	10.448	41.587	133.455	238.469	347.09	404.706	528.098
BNGSH709018	VF-F Sand	132.047	195.311	61.732	93.71	114.157	172.019	253.925	301.441	410.82
BNGSH709023	VF-F Sand	189.545	253.11	98.795	141.296	166.8	234.323	322.24	370.389	474.393
BNGSH709027	VF-F Sand	139.603	184.791	82.125	110.298	126.902	170.739	228.991	262.16	339.432
BNGSH709032	VF-F Sand	88.498	169.571	36.608	67.787	87.489	144.155	226.268	275.022	391.12
BNGSH709035	Mud	17.14	49.783	4.134	9.974	16.939	39.443	70.257	88.603	134.057
BNGSH709040	Mud	10.706	30.973	3.088	5.645	8.15	19.561	42.85	57.966	96.808
BNGSH709044	Mud	9.192	34.57	2.653	4.812	6.929	16.27	36.909	51.983	99.035
BNGSH709047	Mud	6.145	15.274	2.21	3.389	4.396	8.25	16.955	24.585	52.922
BNGSH709052	Mud	8.94	21.654	2.77	4.891	6.838	14.415	28.912	38.862	65.689
BNGSH709055	Mud	5.267	12.052	1.871	2.79	3.703	7.783	15.99	21.553	36.64
BNGSH709502	Mud	9.529	25.271	2.66	5.145	7.659	17.643	35.018	46.01	74.125
BNGSH709506	Mud	19.29	60.261	4.455	11.678	20.484	47.851	84.652	106.805	163.25
BNGSH709511	VF-F Sand	86.924	137.691	37.267	70.049	85.571	125.389	178.326	208.467	277.704
BNGSH709515	VF-F Sand	55.374	131.444	16.748	52.13	71.175	116.052	175.304	210.071	295.264
BNGSH709520	Mud	16.393	56.993	4.018	9.667	15.236	36.161	75.345	103.166	185.644
BNGSH709521	Mud	44.149	109.418	13.399	34.672	49.315	89.083	145.973	181.346	274.892
BNGSH709526	Mud	46.116	131.986	14.08	39.275	54.966	97.451	163.038	208.401	362.24
BNGSH709527	Mud	12.724	38.96	3.487	7.421	10.837	22.864	46.048	63.859	126.503
BNGSH709532	Mud	11.65	39.867	2.804	6.291	10.278	27.574	55.517	72.818	118.545
BNGSH709537	Mud	10.306	30.532	2.849	5.363	7.996	20.342	42.912	56.75	91.999
BNGSH709541	Mud	6.257	20.21	2.094	3.291	4.397	9.116	21.648	32.701	68.912
BNGSH709546	Mud	8.035	18.898	2.488	4.351	6.11	13.05	25.837	34.115	55.228
BNGSH709550	Mud	12.966	56.453	3.136	6.547	10.369	35.875	87.901	114.316	172.55
BNGSH709555	Mud	5.584	10.218	2.106	3.226	4.156	7.383	13.123	17.061	28.188
BNGSH7095E02	Mud	9.876	23.467	2.858	5.566	8.133	16.976	31.406	40.833	66.71
BNGSH7095E06	Mud	19.537	45.981	5.327	12.826	18.735	36.288	62.85	79.299	120.655
BNGSH7095E11	Mud	24.177	68.866	6.384	15.817	23.52	49.627	94.767	123.756	197.115
BNGSH7095E15	VF-F Sand	93.907	194.36	30.965	100.251	123.244	179.991	253.936	295.358	387.527
BNGSH7095E17	VF-F Sand	63.57	173.707	18.055	61.338	95.072	159.65	237.742	281.438	380.677
BNGSH7095E18	VF-F Sand	166.608	236.951	91.29	135.077	158.759	220.542	301.385	346.114	443.29
BNGSH7095E20	VF-F Sand	64.668	163.706	19.106	64.877	92.277	150.331	222.042	262.104	352.557
BNGSH7095E21	VF-F Sand	188.94	253.325	115.579	158.217	181.277	240.034	314.769	355.499	444.033
BNGSH710002	Mud	10.318	31.561	2.845	5.556	8.211	19.09	41.95	58.408	103.093
BNGSH710006	Mud	15.312	44.542	4.056	9.183	13.891	29.315	54.144	70.42	116.87
BNGSH710011	Mud	19.978	48.231	5.276	13.136	19.781	38.953	66.324	82.845	124.01
BNGSH710015	Mud	21.568	53.211	5.607	14.314	21.896	43.696	73.919	91.724	134.872
BNGSH710018	VF-F Sand	94.636	235.136	28.469	111.381	147.095	222.441	314.499	364.6	472.801
BNGSH710023	VF-F Sand	98.478	193.754	34.642	101.912	123.301	177.972	250.923	292.44	386.698
BNGSH710027	Mud	17.353	63.702	4.316	10.047	15.643	37.874	82.848	116.778	218.434

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH710032	VF-F Sand	52.841	108.142	24.598	41.432	51.196	79.115	124.015	156.446	284.998
BNGSH710035	Mud	14.433	42.587	3.614	7.855	12.988	32.716	60.592	77.166	118.138
BNGSH710040	Mud	12.77	40.221	3.247	6.767	10.935	28.508	55.148	71.629	115.663
BNGSH710044	Mud	8.307	20.374	2.7	4.537	6.172	12.631	25.999	35.751	64.044
BNGSH710049	Mud	7.127	55.272	2.413	3.909	5.2	10.023	20.172	29.283	466.899
BNGSH710053	Mud	8.755	25.109	2.614	4.607	6.518	14.902	33.488	46.539	81.68
BNGSH710058	VF-F Sand	51.949	144.48	16.638	40.867	59.848	121.628	204.84	250.772	354.337
BNGSH710063	VF-F Sand	43.453	104.481	14.794	33.202	44.661	79.817	139.141	178.522	279.714
BNGSH710066	VF-F Sand	189.431	251.611	114.154	155.216	178.263	237.584	313.368	354.6	443.713
BNGSH710070	VF-F Sand	274.968	377.792	164.625	225.313	259.576	349.23	468.613	537.051	699.962
BNGSH710502	Mud	11.888	36.342	3.068	6.429	10.036	25.212	50.935	66.86	107.642
BNGSH710506	Mud	12.838	42.544	3.147	6.915	11.224	30.161	60.551	79.116	126.642
BNGSH710511	Mud	8.5	38.261	2.337	4.318	6.475	15.879	38.923	59.514	142.08
BNGSH710515	Mud	13.848	43.799	3.361	7.63	12.807	32.266	61.116	79.035	126.624
BNGSH710520	Mud	14.801	49.064	3.536	8.061	13.632	36.913	71.248	91.642	139.964
BNGSH710524	Mud	22.184	62.636	5.593	15.75	23.396	44.8	77.771	99.606	165.098
BNGSH710529	Mud	14.968	43.891	3.664	8.716	14.3	33.292	61.248	78.364	122.409
BNGSH710534	Mud	12.798	54.614	3.06	6.412	10.377	36.72	80.344	105.001	168.059
BNGSH710538	Mud	13.399	47.329	3.047	7.04	12.774	37.469	68.057	85.781	130.761
BNGSH710543	Mud	3.818	8.264	1.595	2.355	2.912	4.827	8.739	12.306	30.521
BNGSH710547	Mud	7.459	14.773	2.489	4.263	5.798	11.006	19.607	25.187	40.135
BNGSH710552	Mud	8.787	20.971	2.713	4.817	6.761	14.248	28.052	37.259	62.01
BNGSH710556	Mud	6.553	28.955	1.863	3.453	5.119	15.402	42.68	59.563	98.66
BNGSH710561	M-C Sand	7.049	21.775	2.215	3.823	5.355	12.333	27.922	39.9	77.274
BNGSH710564	M-C Sand	114.432	446.415	43.415	215.101	275.132	417.252	603.049	705.859	911.219
BNGSH711002	Mud	10.144	24.567	2.991	5.772	8.245	16.931	32.455	43.178	73.123
BNGSH711005	Mud	15.746	46.265	4.017	9.121	14.179	33.684	65.607	84.897	132.308
BNGSH711009	Mud	14.154	38.256	3.898	8.148	12.067	26.014	50.963	68.099	115.663
BNGSH711011	VF-F Sand	41.576	141.983	9.745	35.069	62.326	124.37	199.681	242.532	343.215
BNGSH711012	VF-F Sand	54.055	146.084	14.994	44.9	67.721	125.812	202.33	246.408	349.886
BNGSH711017	VF-F Sand	78.705	162.438	27.202	69.554	89.269	140.575	213.248	257.363	367.345
BNGSH711021	Mud	20.719	72.189	4.986	12.698	20.315	47.453	97.183	132.084	227.763
BNGSH711026	VF-F Sand	43.063	123.888	10.65	38.302	54.852	96.382	157.864	198.238	319.042
BNGSH711027	Mud	14.956	38.916	4.025	8.734	13.215	28.55	53.287	69.064	110.106
BNGSH711032	Mud	11.517	30.097	3.244	6.391	9.448	20.955	41.042	54.234	89.019
BNGSH711037	Mud	8.534	24.623	2.91	4.87	6.464	12.041	23.098	32.239	68.455
BNGSH711040	Mud	9.461	32.287	2.837	5.096	7.203	15.747	33.889	47.746	92.026
BNGSH711041	Mud	5.996	11.725	2.305	3.487	4.433	7.691	13.793	18.411	34.849
BNGSH711044	Mud	6.582	18.428	2.241	3.533	4.678	9.416	20.966	30.757	63.878
BNGSH711046	Mud	7.006	25.614	2.414	3.859	5.092	9.729	20.163	29.683	69.342
BNGSH711502	Mud	10.399	28.414	2.949	5.69	8.319	18.599	38.079	51.379	87.487
BNGSH711503	Mud	12.876	29.955	3.548	7.819	11.566	23.056	40.525	51.545	80.539

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH711505	Mud	9.7	31.84	2.365	5.299	8.694	21.157	43.507	58.415	98.523
BNGSH711508	Mud	12.665	46.785	3.182	7.296	11.064	25.359	56.042	79.123	145.98
BNGSH711512	Mud	12.585	64.409	2.709	7.104	11.943	33.4	78.135	109.897	208.874
BNGSH711517	Mud	15.921	52.789	3.872	9.353	14.875	35.881	72.314	96.18	160.841
BNGSH711520	VF-F Sand	56.644	116.026	20.295	48.03	61.98	99.301	152.725	185.209	266.396
BNGSH711521	VF-F Sand	74.717	136.739	33.173	59.431	73.826	113.314	171.372	208.067	310.31
BNGSH711524	Mud	15.243	54.933	3.566	9.629	15.3	33.079	62.672	83.642	154.694
BNGSH711526	VF-F Sand	72.738	135.983	29.246	58.386	74.281	116.826	177.098	213.631	306.092
BNGSH711527	VF-F Sand	129.46	196.005	70.309	101.896	120.869	173.42	248.511	293.592	404.138
BNGSH711529	Mud	11.976	48.738	2.931	6.8	10.607	25.253	52.681	72.038	137.835
BNGSH711534	Mud	11.199	29.327	3.224	6.608	9.437	18.829	35.165	46.558	81.521
BNGSH711538	Mud	8.77	39.216	2.544	4.836	6.945	14.458	29.561	41.866	99.396
BNGSH711543	Mud	9.037	42.547	2.603	4.866	6.913	14.929	36.895	57.826	133.203
BNGSH711546	Mud	42.733	98.229	14.217	35.275	46.263	77.327	126.373	159.06	251.636
BNGSH711549	Mud	5.208	10.423	1.973	2.94	3.835	7.062	12.587	16.416	28.979
BNGSH712002	Mud	12.777	36.73	3.539	7.251	10.832	23.573	44.322	57.744	95.721
BNGSH712006	Mud	16.932	49.625	4.332	9.692	15.2	36.388	70.292	90.903	141.807
BNGSH712011	Mud	17.183	60.191	4.179	9.864	16.071	39.588	77.402	101.727	171.223
BNGSH712014	VF-F Sand	81.732	168.21	30.754	75.007	94.56	146.38	220.213	264.771	374.259
BNGSH712015	Mud	18.911	91.979	4.189	11.187	19.898	51.301	101.493	137.657	318.947
BNGSH712017	VF-F Sand	100.547	186.148	40.321	92.134	113.982	169.397	243.071	285.088	381.288
BNGSH712018	Mud	16.485	53.43	3.983	9.156	15.306	39.549	75.528	97.529	154.062
BNGSH712021	VF-F Sand	99.919	219.636	34.934	106.169	135.422	204.23	291.27	339.198	443.671
BNGSH712026	Mud	16.405	37.416	4.462	10.31	15.38	30.16	51.459	64.354	96.24
BNGSH712027	VF-F Sand	102.589	180.023	47.377	81.107	99.816	152.099	230.068	279.137	409.116
BNGSH712032	VF-F Sand	49.651	105.804	16.492	40.393	53.35	88.31	139.46	171.34	253.758
BNGSH712037	VF-F Sand	51.832	111.431	17.935	40.382	52.96	88.213	143.138	179.467	281.917
BNGSH712041	VF-F Sand	17.681	62.33	4.566	10.202	15.461	36.866	81.777	115.065	212.481
BNGSH712043	VF-F Sand	63.343	113.473	27.003	48.485	60.843	95.679	147.957	180.561	262.249
BNGSH712047	Mud	7.606	20.784	2.655	4.395	5.808	10.571	19.092	25.287	47.093
BNGSH712052	Mud	5.328	25.078	2.132	3.139	3.943	6.614	11.251	14.57	28.563
BNGSH712053	Mud	5.037	12.749	1.933	2.815	3.54	6.287	13.192	20.695	48.796
BNGSH712055	Mud	6.461	13.202	2.293	3.641	4.805	8.986	16.555	21.787	37.2
BNGSH712058	Mud	6.666	42.028	2.321	3.74	4.961	9.263	17.028	22.774	61.343
BNGSH712059	Mud	5.544	22.323	2.09	3.099	3.939	7.112	14.402	20.869	47.117
BNGSH712061	Mud	6.159	11.363	2.257	3.557	4.632	8.354	14.851	19.195	30.976
BNGSH712302	Mud	17.985	73.074	3.927	10.136	18.445	54.781	105.064	135.354	212.808
BNGSH712306	Mud	11.313	81.007	3.198	5.916	8.391	19.231	58.925	132.729	432.903
BNGSH712311	Mud	13.593	38.803	3.63	7.883	11.842	26.029	50.675	67.453	116.756
BNGSH712314	VF-F Sand	119.064	166.929	70.907	98.57	114.163	154.868	208.502	238.77	308.37
BNGSH712318	VF-F Sand	74.107	143.236	23.478	68.298	85.592	128.662	186.557	220.429	302.324
BNGSH712323	VF-F Sand	133.47	174.52	85.419	112.587	127.647	165.791	213.891	240.099	298.525

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TableA.1 – continued from previous page

Sample Name	Field Grain Size	D(3,2)- Surface weighted mean	(4,3)- Volume weighted mean	d(0.05)	d(0.16)	d(0.25)	d(0.50)	d(0.75)	d(0.84)	d(0.95)
BNGSH712327	VF-F Sand	131.664	171.867	83.342	109.887	124.742	162.596	210.745	237.254	296.81
BNGSH712332	VF-F Sand	50.058	117.78	14.911	42.222	60.343	104.061	160.674	193.093	268.507
BNGSH712337	Mud	13.104	33.89	3.611	7.528	11.201	24.284	46.318	60.527	97.57
BNGSH712338	VF-F Sand	44.241	123.328	13.234	38.091	52.942	91.746	149.139	187.676	323.439
BNGSH712343	Mud	11.801	30.365	3.346	6.879	9.94	20.485	39.377	52.578	91.052
BNGSH712347	Mud	4.726	9.074	1.998	2.829	3.487	5.682	9.506	12.235	22.51
BNGSH712352	Mud	6.455	13.392	2.335	3.682	4.811	8.764	15.997	21.268	39.793
BNGSH712602	Mud	14.961	43.444	3.968	8.871	13.201	28.936	58.77	79.154	132.99
BNGSH712606	Mud	20.958	98.613	4.793	12.134	20.854	53.378	118.264	176.612	368.708
BNGSH712608	Mud	19.101	32.565	7.119	12.992	16.676	27.074	42.484	52.058	76.741
BNGSH712611	Mud	10.137	18.351	3.677	6.199	8.06	13.816	23.151	29.416	47.813
BNGSH712612	Mud	8.707	37.88	2.834	4.903	6.642	12.801	24.916	34.784	85.719
BNGSH712614	VF-F Sand	64.65	134.064	21.269	59.498	75.585	115.87	171.003	204.026	288.687
BNGSH712618	VF-F Sand	81.287	127.894	33.885	65.898	80.162	116.691	165.265	192.935	256.592
BNGSH712623	VF-F Sand	125.403	170.961	72.846	102.54	118.609	159.921	213.555	243.436	310.764
BNGSH712627	VF-F Sand	70.969	147.797	23.6	66.032	83.627	129.493	193.979	232.529	326.527
BNGSH712632	Mud	14.502	36.991	3.958	8.381	12.583	27.33	51.331	66.361	104.044
BNGSH712635	VF-F Sand	55.192	118.41	20.073	45.449	59.062	95.789	149.807	184.202	280.897
BNGSH712640	VF-F Sand	74.56	138.806	28.902	59.49	76.348	120.919	182.868	219.61	308.751
BNGSH712643	Mud	5.453	11.775	2.064	3.056	3.883	7.045	14.195	20.051	38.424
BNGSH712644	Mud	4.42	7.27	1.925	2.694	3.284	5.229	8.638	11.063	18.918
BNGSH712649	Mud	6.203	24.572	2.163	3.341	4.395	8.619	18.157	26.33	67.547
BNGSH712652	Mud	7.5	20.377	2.339	3.938	5.489	12.098	25.931	35.594	63.469
BNGSH712902	Mud	49.438	132.911	13.867	42.528	66.609	118.31	182.524	219.304	306.189
BNGSH712903	Mud	14.206	38.159	3.799	8.488	12.678	26.601	50.957	67.698	113.329
BNGSH712905	Mud	10.976	38.876	3.14	5.677	8.163	20.027	49.526	72.581	142.253
BNGSH712906	Mud	27.656	81.89	7.994	18.011	25.427	54.539	116.111	154.308	243.485
BNGSH712911	Mud	10.746	25.797	3.285	6.138	8.593	17.255	33.02	44.105	76.8
BNGSH712912	Mud	15.768	39.135	4.261	9.596	14.324	29.575	53.557	68.668	107.552
BNGSH712914	VF-F Sand	36.569	112.254	9.831	25.897	40.353	94.268	162.115	198.961	283.192
BNGSH712915	VF-F Sand	80.363	154.529	27.362	76.838	94.4	139.17	200.068	235.761	321.612
BNGSH712920	VF-F Sand	116.293	175.628	59.469	94.119	112.473	160.806	225.527	262.116	344.429
BNGSH712921	VF-F Sand	115.004	161.494	65.608	92.812	108.227	148.738	202.66	233.328	304.501
BNGSH712923	VF-F Sand	107.887	160.465	54.1	84.388	101.029	145.291	205.517	240.177	320.629
BNGSH713202	VF-F Sand	76.899	148.872	37.186	70.179	86.768	131.094	193.245	230.23	320.346
BNGSH713203	Mud	16.947	63.907	4.003	9.361	15.612	42.449	88.778	118.602	198.952
BNGSH713205	M-C Sand	97.816	340.379	35.713	124.071	168.983	290.137	466.549	572.919	814.583
BNGSH713208	M-C Sand	151.456	412.621	54.192	198.817	248.915	375.172	548.751	649.629	867.796
BNGSH713212	VF-F Sand	93.837	138.67	48.143	72.794	86.961	125.109	177.374	207.56	277.775
BNGSH713217	VF-F Sand	102.084	159.147	51.302	76.316	91.501	133.817	195.571	234.129	341.569
BNGSH713221	VF-F Sand	155.851	178.537	90.88	113.647	128.132	166.7	217.007	244.852	306.924
BNGSH713226	VF-F Sand	38.462	121.261	10.405	29.925	43.885	91.535	170.65	217.75	330.668

Continues on next page

TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH713230	VF-F Sand	62.106	125.093	26.675	50.926	63.989	100.466	156.087	192.348	296.642
BNGSH713232	Mud	16.252	39.162	4.403	9.884	14.864	30.66	54.113	68.284	103.711
BNGSH713237	Mud	13.361	29.452	3.946	8.099	11.519	22.346	39.625	50.674	79.518
BNGSH800102	Mud	14.232	115.347	3.164	6.88	11.568	56.585	154.574	214.062	432.415
BNGSH800106	VF-F Sand	19.04	120.097	3.38	10.312	32.29	109.158	175.284	212.417	301.631
BNGSH800108	M-C Sand	56.7	343.577	11.937	79.864	122.7	273.319	517.584	648.657	893.251
BNGSH800111	M-C Sand	117.993	511.889	35.821	197.912	304.924	508.59	725.606	825.747	989.501
BNGSH800112	M-C Sand	157.343	440.429	52.39	145.261	224.089	407.635	632.022	746.008	947.073
BNGSH800117	M-C Sand	224.338	569.331	105.001	313.772	387.397	562.027	762.017	854.089	1002.945
BNGSH800120	M-C Sand	65.484	174.063	18.833	92.734	111.06	157.519	220.567	257.995	352.85
BNGSH800124	M-C Sand	37.015	121.098	7.724	44.584	60.762	97.297	147.355	178.537	271.733
BNGSH800129	Mud	9.997	46.65	2.46	4.884	8.324	24.186	48.39	64.936	123.913
BNGSH800132	M-C Sand	61.603	208.948	18.182	69.741	98.02	168.599	273.696	342.8	538.435
BNGSH800502	Mud	7.834	74.352	2.068	3.54	5.574	17.505	87.809	145.161	322.268
BNGSH800505	M-C Sand	55.615	315.309	10.387	95.499	157.896	278.972	436.982	530.501	753.591
BNGSH800506	Mud	6.795	42.085	2.186	3.566	4.873	10.254	23.043	34.887	117.067
BNGSH800512	M-C Sand	128.022	342.942	58.699	169.628	208.118	308.097	445.772	526.87	721.601
BNGSH800517	M-C Sand	135.452	396.759	53.72	207.566	251.569	363.809	515.624	603.739	807.078
BNGSH800520	Mud	19.174	132.512	3.658	13.004	23.866	62.059	157.409	256.389	532.493
BNGSH800524	VF-F Sand	32.496	130.227	6.517	36.84	55.477	94.959	155.191	199.851	382.733
BNGSH800527	M-C Sand	521.301	649.078	320.944	426.242	487.366	640.959	816.096	895.189	1020.961
BNGSH800529	Mud	12.932	61.889	2.95	7.821	12.444	28.322	58.196	81.054	192.539
BNGSH800534	Mud	5.772	14.244	1.95	3.007	4.218	9.034	17.666	24.196	46.422
BNGSH800538	Mud	8.292	46.072	2.354	4.101	5.979	15.401	39.087	59.149	148.846
BNGSH800543	Mud	8.943	44.692	2.355	4.501	7.074	18.196	40.367	57.715	130.14
BNGSH800547	M-C Sand	104.159	498.841	28.301	211.596	306.276	490.016	698.622	800.247	974.427
BNGSH800902	VF-F Sand	94.352	219.279	56.898	107.267	131.59	196.574	286.526	338.802	459.133
BNGSH800905	Mud	7.808	41.112	2.523	4.117	5.543	11.595	27.949	45.689	196.19
BNGSH800909	Mud	8.038	42.723	2.739	4.475	5.931	11.249	22.401	32.633	179.149
BNGSH800914	Mud	13.664	31.678	3.77	8.202	12.192	24.519	43.524	55.455	85.19
BNGSH800917	VF-F Sand	125.468	182.346	74.523	105.706	122.78	167.511	227.62	262.44	345.813
BNGSH800921	Mud	15.436	53.55	4.174	8.997	13.404	29.067	56.898	75.986	137.588
BNGSH800926	Mud	14.321	50.419	3.927	8.256	12.235	26.348	51.444	68.605	122.153
BNGSH800930	Mud	11.916	43.907	3.611	6.93	9.704	19.016	35.759	48.143	94.19
BNGSH800935	Mud	5.699	58.07	2.002	3.062	3.954	7.595	18.68	32.048	562.914
BNGSH800940	VF-F Sand	66.136	166.501	19.925	66.461	86.219	137.01	211.331	259.345	400.246
BNGSH800944	Mud	8.049	44.833	2.444	4.159	5.75	13.047	34.915	59.83	210.931
BNGSH800949	Mud	299.197	471.28	110.042	232.17	290.6	438.35	630.074	733.258	930.759
BNGSH800952	M-C Sand	195.814	415.257	85.061	168.744	221.079	368.158	573.289	686.551	906.592
BNGSH800953	Mud	16.377	71.519	3.67	9.103	15.589	48.273	100.962	131.643	210.661
BNGSH800955	M-C Sand	246.992	376.336	120.551	176.989	213.993	323.11	490.489	593.43	827.915
BNGSH801302	Mud	11.738	50.517	3.332	6.087	8.918	22.492	47.628	63.472	114.071

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH801306	Mud	18.896	135.762	4.695	9.456	14.457	49.203	183.017	286.759	553.672
BNGSH801311	Mud	14.475	51.046	4.105	8.482	12.27	25.113	48.355	65.765	139.803
BNGSH801315	VF-F Sand	72.183	136.535	30.048	57.413	71.179	108.655	165.084	202.485	322.384
BNGSH801317	VF-F Sand	20.493	63.856	5.217	13.151	20.093	41.726	75.598	97.49	164.363
BNGSH801318	VF-F Sand	46.135	119.367	14.823	33.362	46.978	84.881	141.591	180.993	336.834
BNGSH801321	Mud	17.695	64.491	4.651	10.445	15.661	34.76	72.236	100.495	210.302
BNGSH801326	Mud	12.862	38.729	3.813	7.458	10.571	21.284	40.711	54.713	99.784
BNGSH801330	Mud	12.97	24.094	4.4	8.029	10.71	18.932	32.01	40.429	62.083
BNGSH801335	Mud	4.926	7.734	2.164	3.059	3.715	5.799	9.405	12.037	20.702
BNGSH801340	Mud	7.599	32.588	2.374	4.079	5.707	12.325	24.425	32.532	57.435
BNGSH801344	Mud	7.387	26.468	2.449	4.063	5.482	10.88	21.713	30.122	65.461
BNGSH801347	Mud	8.793	24.867	2.541	4.551	6.575	16.554	36.39	48.137	74.346
BNGSH801349	M-C Sand	164.971	318.745	115.594	172.247	204.563	291.092	407.949	474.233	624.179
BNGSH801352	Mud	7.983	75.058	2.294	3.939	5.57	14.346	47.479	83.335	509.227
BNGSH801356	Mud	9.482	93.701	2.561	4.518	6.65	20.042	62.231	112.089	593.617
BNGSH801361	M-C Sand	95.344	326.379	30.485	124.965	177.527	292.57	441.814	528.895	736.951
BNGSH801366	Mud	9.287	16.917	3.11	5.575	7.569	13.717	22.871	28.429	42.074
BNGSH801370	Mud	7.873	15.483	2.766	4.544	6.006	11.069	20.018	26.167	43.784
BNGSH801702	Mud	9.029	35.131	2.782	4.746	6.566	14.704	34.538	49.908	100.904
BNGSH801703	Mud	11.327	36.169	3.05	5.923	8.933	23.168	51.459	69.153	112.51
BNGSH801708	Mud	17.571	67.671	4.572	10.134	15.489	35.664	71.897	97.285	213.541
BNGSH801712	Mud	13.262	39.059	3.945	7.719	10.945	22.008	41.431	54.881	96.421
BNGSH801717	VF-F Sand	35.651	118.941	8.426	29.607	43.083	78.284	136.091	181.72	388.828
BNGSH801720	VF-F Sand	60.729	135.081	25.086	48.587	61.1	96.726	156.058	201.006	384.49
BNGSH801723	VF-F Sand	27.735	102.728	6.687	18.496	31.004	65.723	114.673	150.111	349.811
BNGSH801724	VF-F Sand	56.86	139.783	21.561	45.028	57.874	95.104	160.541	213.718	434.342
BNGSH801729	Mud	13.839	28.705	4.301	8.4	11.653	21.993	38.871	49.725	76.758
BNGSH801734	Mud	9.3	19.457	3.106	5.405	7.277	13.592	24.812	32.79	56.761
BNGSH801738	Mud	9.403	28.181	2.661	4.796	6.997	18.477	41.552	54.945	85.002
BNGSH801743	Mud	7.397	14.575	2.531	4.206	5.64	10.718	19.521	25.258	40.105
BNGSH801747	Mud	7.496	13.941	2.771	4.384	5.669	10.068	17.961	23.48	39.055
BNGSH801752	Mud	6.347	12.382	2.352	3.615	4.66	8.529	16.109	21.458	36.05
BNGSH801755	Mud	8.523	23.662	2.616	4.373	6.08	14.587	34.542	46.831	73.199
BNGSH801758	Mud	9.58	84.213	2.464	4.525	6.784	23.878	91.31	139.5	385.733
BNGSH801759	M-C Sand	148.067	244.43	74.133	112.742	135.934	202.717	307.417	376.715	566.972
BNGSH801761	Mud	8.352	20.643	2.708	4.46	6.043	13.029	28.659	38.914	63.595
BNGSH801764	M-C Sand	115.891	365.08	42.716	116.829	166.845	311.167	518.515	635.794	873.143
BNGSH801769	Mud	7.66	68.487	2.786	4.35	5.565	9.785	19.458	32.549	561.071
BNGSH802102	Mud	9.49	90.29	2.877	4.937	6.815	15.024	39.112	76.465	558.842
BNGSH802103	Mud	6.859	92.994	2.496	3.789	4.808	8.48	18.398	239.631	591.81
BNGSH802105	Mud	27.998	292.169	5.25	16.215	33.879	188.102	494.288	631.835	882.378
BNGSH802106	VF-F Sand	20.627	88.025	4.427	12.623	23.272	59.931	112.067	145.556	250.718

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH802111	VF-F Sand	78.569	157.404	34.826	64.043	79.826	124.8	195.849	243.89	389.772
BNGSH802114	VF-F Sand	23.496	91.229	5.459	15.516	25.209	56.331	106.339	142.525	296.242
BNGSH802120	VF-F Sand	25.715	75.639	6.098	17.907	29.031	59.866	103.418	130.642	202.978
BNGSH802124	Mud	31.609	99.414	7.167	27.317	41.073	71.972	116.459	147.066	266.826
BNGSH802129	Mud	14.599	63.149	4.01	8.253	12.09	26.607	57.152	82.591	273.507
BNGSH802134	Mud	8.269	18.046	2.903	4.69	6.151	11.483	22.527	31.2	57.306
BNGSH802138	Mud	6.874	13.674	2.419	3.895	5.153	9.665	17.773	23.305	38.947
BNGSH802141	Mud	68.687	120.627	36	64.866	77.717	110.96	155.165	180.177	236.935
BNGSH802143	Mud	9.454	21.173	2.969	5.205	7.247	15.336	29.94	38.832	59.018
BNGSH802147	Mud	6.744	11.47	2.664	4.037	5.095	8.602	14.657	18.788	30.575
BNGSH802152	Mud	5.428	37.257	1.789	2.936	3.934	8.631	23.553	37.621	193.29
BNGSH802155	M-C Sand	316.354	454.518	151.697	236.562	285.079	415.246	592.775	692.641	898.312
BNGSH802156	Mud	6.186	9.824	2.554	3.79	4.715	7.671	12.566	15.797	24.623
BNGSH802161	VF-F Sand	96.319	152.719	44.269	73.264	89.613	134.048	196.782	234.213	325.988
BNGSH802166	VF-F Sand	111.994	188.647	56.17	88.31	107.047	159.99	239.854	290.62	424.344
BNGSH802170	VF-F Sand	50.486	169.327	12.509	58.266	84.991	145.362	228.681	279.524	406.987
BNGSH802173	Mud	16.323	73.656	3.633	8.834	17.045	46.056	84.989	112.183	245.291
BNGSH802402	Mud	6.127	58.067	2.08	3.219	4.282	8.623	19.614	31.902	506.648
BNGSH802406	Mud	12.643	43.522	3.54	7.435	10.839	22.178	41.538	55.02	98.791
BNGSH802411	Mud	17.286	65.241	4.205	10.592	16.588	36.547	73.036	99.768	196.515
BNGSH802415	VF-F Sand	35.753	96.239	11.101	29.718	39.192	66.106	109.61	140.339	255.661
BNGSH802420	VF-F Sand	25.168	86.133	5.724	18.798	30.577	59.626	101.257	128.998	226.821
BNGSH802421	VF-F Sand	34.341	153.502	7.525	23.659	38.841	129.327	235.576	288.084	401.4
BNGSH802426	Mud	12.503	67.382	3.077	6.896	10.761	26.358	62.271	92.76	248.245
BNGSH802430	Mud	9.886	63.427	2.507	5.049	7.894	21.229	51.451	74.65	219.026
BNGSH802435	Mud	5.973	16.543	1.973	3.019	4.116	9.412	21.795	30.758	55.494
BNGSH802440	Mud	7.808	49.427	2.329	4.066	5.8	13.02	28.747	41.344	110.677
BNGSH802444	Mud	3.997	17.452	1.665	2.161	2.617	5.185	13.362	21.802	67.65
BNGSH802449	Mud	9.347	59.796	2.456	4.6	6.941	20.035	55.04	79.713	188.975
BNGSH802453	Mud	7.865	51.396	2.291	4.024	5.825	13.707	31.571	45.784	125.656
BNGSH802902	Mud	7.031	32.471	2.383	3.874	5.168	10.023	20.032	28.289	70.285
BNGSH802906	Mud	11.822	46.813	3.655	7.215	9.859	18.198	32.883	43.966	92.816
BNGSH802911	Mud	17.708	61.317	4.377	10.689	17.061	37.613	70.392	92.556	165.697
BNGSH802915	VF-F Sand	40.37	119.004	9.657	37.474	50.674	83.847	135.905	174.764	350.398
BNGSH802920	VF-F Sand	21.282	87.303	5.025	13.114	21.564	51.93	100.155	134.548	286.763
BNGSH802924	VF-F Sand	17.342	81.128	4.076	9.998	16.011	43.118	98.207	136.225	271.803
BNGSH802926	VF-F Sand	140.494	320.905	47.251	135.188	198.811	306.894	430.744	497.697	645.155
BNGSH802930	Mud	10.938	59.263	2.781	5.702	8.855	23.294	55.649	79.123	173.364
BNGSH802935	Mud	7.705	50.05	2.139	3.639	5.24	17.969	47.036	65.327	133.027
BNGSH802938	Mud	12.757	101.414	2.929	6.404	10.654	35.652	97.703	157.123	516.749
BNGSH803402	Mud	11.331	60.71	3.09	5.795	8.503	22.156	61.995	92.762	208.494
BNGSH803406	Mud	9.359	30.387	2.829	4.949	6.989	15.821	33.782	46.58	88.653

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH803411	VF-F Sand	92.291	134.883	52.73	75.714	88.728	123.163	169.607	196.365	259.821
BNGSH803412	Mud	11.793	45.101	3.131	6.121	9.41	24.383	53.524	74.106	137.668
BNGSH803415	VF-F Sand	172.081	225.733	102.763	138.227	158.704	211.937	280.571	318.267	401.04
BNGSH803417	VF-F Sand	17.482	90.205	3.872	9.587	16.531	53.04	121.314	162.423	284.307
BNGSH803421	Mud	11.149	36.513	3.022	5.748	8.671	22.633	50.831	69.467	117.007
BNGSH803426	VF-F Sand	106.94	166.955	54.744	85.813	102.915	149.02	213.26	251.204	342.969
BNGSH803430	Mud	11.771	52.635	2.847	5.821	9.649	32.572	68.016	88.113	139.419
BNGSH803435	VF-F Sand	88.107	127.439	57.22	80.606	92.333	121.52	158.072	177.936	221.91
BNGSH803440	VF-F Sand	162.518	223.049	83.15	124.859	147.769	207.295	284.589	327.012	418.692
BNGSH803444	F-M Sand	204.104	282.14	101.791	154.659	184.123	260.986	361.281	416.535	536.613
BNGSH803449	VF-F Sand	163.909	211.306	96.472	128.534	147.453	197.133	262.08	298.208	378.925
BNGSH803902	Mud	28.547	92.57	6.509	21.609	36.655	71.541	117.324	146.004	231.706
BNGSH803906	Mud	10.913	31.63	3.069	5.793	8.547	20.485	43.576	58.828	98.189
BNGSH803911	Mud	9.16	23.177	2.814	4.952	6.956	15.066	30.748	41.593	71.863
BNGSH803915	Mud	11.323	30.969	3.27	6.047	8.769	20.691	43.68	58.101	92.963
BNGSH803920	Mud	9.749	28.887	2.82	5.043	7.265	17.977	40.698	55.212	90.921
BNGSH803924	VF-F Sand	71.692	134.993	24.699	66.649	82.337	122.046	175.457	206.387	279.677
BNGSH803926	VF-F Sand	72.369	148.736	22.996	69.476	86.475	130.11	191.343	228.659	324.973
BNGSH803929	VF-F Sand	18.652	90.787	3.94	10.615	20.972	59.519	107.623	137.96	247.848
BNGSH803932	Mud	11.553	37.783	3.019	5.903	9.144	26.086	55.44	72.377	112.132
BNGSH803935	VF-F Sand	9.551	35.471	2.813	4.987	7.106	16.576	38.028	55.813	117.882
BNGSH803940	Mud	7.757	31.295	2.463	4.108	5.642	12.251	26.532	37.191	73.693
BNGSH803943	Mud	3.876	45.835	1.494	2.305	2.903	5.014	9.583	13.966	457.731
BNGSH803947	Mud	7.637	30.206	2.521	4.176	5.64	11.303	22.891	31.904	67.65
BNGSH803952	Mud	7.786	31.059	2.475	4.129	5.662	12.279	26.781	37.407	71.105
BNGSH803955	Mud	4.894	8.809	2.032	2.906	3.573	5.9	10.757	14.743	26.49
BNGSH803959	Mud	5.995	25.852	2.205	3.398	4.391	8.002	15.022	20.241	38.73
BNGSH803963	M-C Sand	208.144	518.309	60.276	251.642	339.647	511.176	709.742	807.759	977.421
BNGSH804402	Mud	6.195	29.521	2.267	3.533	4.568	8.264	15.418	20.857	42.731
BNGSH804406	Mud	22.403	52.89	5.861	15.966	23.047	42.821	71.886	89.564	133.8
BNGSH804408	VF-F Sand	51.705	115.935	17.68	38.941	52.442	90.237	147.831	185.761	296.051
BNGSH804412	VF-F Sand	79.685	150.181	33.671	63.151	78.76	122.553	190.084	234.336	359.582
BNGSH804417	VF-F Sand	78.094	150.943	34.116	58.553	73.303	117.882	193.703	245.311	384.304
BNGSH804418	Mud	19.367	51.276	4.967	12.747	18.977	37.945	68.733	88.751	142.887
BNGSH804423	VF-F Sand	61.205	128.02	19.513	47.436	66.516	112.299	171.84	206.463	290.851
BNGSH804427	Mud	17.539	77.273	3.774	9.92	19.408	52.828	95.631	122.376	208.265
BNGSH804432	Mud	8.175	40.009	2.452	4.219	5.931	14.037	33.438	48.099	96.588
BNGSH804437	Mud	6.957	14.846	2.399	3.87	5.141	9.987	19.534	26.22	44.295
BNGSH804441	Mud	9.012	23.144	2.772	4.887	6.842	14.69	30.445	41.593	72.507
BNGSH804446	Mud	77.831	117.082	38.536	63.445	75.978	108.287	150.549	174.032	225.925
BNGSH804450	Mud	7.73	19.074	2.533	4.193	5.677	11.668	24.394	33.82	61.238
BNGSH804455	Mud	8.402	35.484	2.591	4.457	6.206	13.653	29.811	42.365	93.81

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGSH804459	VF-F Sand	76.615	144.864	20.798	79.869	96.326	136.474	187.738	215.954	277.716
BNGSH804464	M-C Sand	205.526	352.512	81.079	115.786	144.592	279.202	508.977	625.191	860.284
BNGSH804469	M-C Sand	6.106	30.298	2.071	3.295	4.349	8.695	20.125	30.547	69.711
BNGSH804902		10.25	71.45	2.763	5.173	7.812	21.183	47.246	66.658	493.11
BNGSH804906		12.233	38.589	3.201	6.342	9.932	26.707	54.726	71.896	115.124
BNGSH804911		18.956	77.733	4.275	10.773	19.447	52.904	96.471	123.527	211.859
BNGSH804915		17.042	61.462	3.838	9.357	16.857	49.449	90.285	112.806	166.244
BNGSH804920		15.701	56.727	3.817	8.706	14.385	37.529	72.38	93.692	153.41
BNGSH804924		87.564	167.215	42.684	77.207	94.144	140.168	207.833	251.051	375.791
BNGSH804926		39.301	167.187	8.531	32.729	61.453	123.725	213.075	277.342	502.56
BNGSH804930		12.371	34.408	3.368	6.818	10.316	23.853	47.522	62.927	102.225
BNGSH804935		8.788	21.209	2.793	4.762	6.559	13.928	28.799	38.949	64.811
BNGSH804940		4.881	32.332	1.872	2.777	3.496	6.106	11.943	17.646	91.436
BNGSH804944		4.476	7.832	1.891	2.714	3.322	5.333	9.213	12.536	24.332
BNGSH804949		254.469	296.076	143.019	181.999	207.402	276.268	366.136	414.715	516.83
BNGSH804950		4.597	36.797	1.454	2.565	3.468	7.654	20.667	31.662	79.912
BNGSH804953		194.031	292.652	84.316	154.948	187.167	269.326	377.415	438.174	574.51
BNGSH804958		168.088	516.389	78.522	232.639	314.316	503.101	715.929	816.288	983.659
BNGSH804964		368.071	503.964	199.775	283.754	333.853	468.963	649.97	748.251	937.321
BNGSH805402	VF-F Sand	43.363	112.034	11.212	40.46	56.221	92.89	142.362	172.485	253.972
BNGSH805403	Mud	11.094	41.223	3.054	5.875	8.742	20.964	47.227	67.096	126.163
BNGSH805408	Mud	13.198	40.534	3.335	7.04	11.445	29.669	57.579	74.417	116.354
BNGSH805409	VF-F Sand	58.747	130.832	17.879	55.134	69.427	105.753	157.618	190.749	293.975
BNGSH805411	Mud	13.947	51.517	3.482	7.572	12.395	31.383	60.526	78.886	132.521
BNGSH805414	VF-F Sand	69.176	132.891	26.181	63.312	77.45	114.096	165.059	195.883	277.154
BNGSH805417	Mud	11.896	38.983	3.144	6.231	9.591	24.941	53.532	72.317	122.848
BNGSH805418	VF-F Sand	56.238	127.552	16.938	53.065	67.617	103.905	154.682	186.467	281.338
BNGSH805420	Mud	10.275	42.307	2.912	5.312	7.708	19.058	45.655	65.132	125.868
BNGSH805421	VF-F Sand	102.671	201.93	37.909	83.967	110.927	180.669	271.957	323.132	437.791
BNGSH805423	Mud	17.572	56.457	4.522	10.767	16.161	35.277	70.321	93.276	156.705
BNGSH805426	Mud	8.71	20.288	2.863	4.888	6.621	12.936	25.277	34.688	64.648
BNGSH805427	Mud	14.112	38.461	3.729	8.203	12.565	27.671	52.528	68.622	110.807
BNGSH805429	Mud	13.185	43.103	3.532	7.519	11.376	25.178	49.806	66.92	117.633
BNGSH805434	Mud	11.086	35.084	3.25	6.204	8.862	18.746	38.27	53.003	100.026
BNGSH805437	Mud	7.157	22.194	2.279	3.729	5.054	11.096	28.901	44.01	80.828
BNGSH805441	Mud	6.537	29.884	2.229	3.561	4.702	9.223	20.27	30.406	74.29
BNGSH805443	Mud	6.524	22.546	2.271	3.597	4.716	9.057	19.158	27.918	59.058
BNGSH805444	Mud	6.374	27.462	2.189	3.466	4.569	9.017	19.634	28.323	57.565
BNGSH805446	Mud	6.446	24.076	2.269	3.582	4.693	8.96	18.05	24.932	46.491
BNGSH805449	M-C Sand	231.088	309.399	123.245	178.208	208.956	288.988	392.36	448.619	569.031
BNGSH805453	M-C Sand	296.47	344.961	167.027	212.311	241.698	321.242	425.632	482.68	604.802
BNGSH805458	Mud	9.751	45.013	2.864	5.244	7.499	16.453	34.885	50.641	219.854

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Table A.1 – continued from previous page

Sample Name	Field Grain Size	D(3,2)- Surface weighted mean	(4,3)- Volume weighted mean	d(0.05)	d(0.16)	d(0.25)	d(0.50)	d(0.75)	d(0.84)	d(0.95)
BNGSH805461	VF-F Sand	176.816	229.713	112.957	149.053	168.664	218.212	281.014	315.54	392.881
BNGSH805463	M-C Sand	449.465	591.637	221.3	348.953	415.275	578.68	768.244	856.833	1002.931
BNGSH805463.5	M-C Sand	362.598	577.119	135.47	307.658	392.948	575.29	771.34	860.461	1005.207
BNGSH805902	Mud	18.556	64.844	4.129	10.637	20.034	52.485	92.499	115.859	174.665
BNGSH805903	Mud	5.566	10.022	2.29	3.321	4.101	6.737	12.026	16.526	30.988
BNGSH805908	VF-F Sand	57.498	126.791	17.535	51.928	72.198	115.886	170.39	201.115	272.053
BNGSH805912	Mud	12.228	30.268	3.381	6.975	10.472	22.496	42.065	54.498	85.007
BNGSH805914	VF-F Sand	86.998	155.582	31.847	73.423	92.705	140.958	204.647	240.883	324.096
BNGSH805915	Mud	16.907	51.543	4.232	10.609	16.465	33.593	60.821	79.403	138.757
BNGSH805920	Mud	13.257	49.042	3.482	7.419	11.39	26.25	53.573	71.921	122.85
BNGSH805924	Mud	14.028	49.357	3.856	8.28	12.159	25.303	49.271	66.852	129.366
BNGSH805929	Mud	14.187	36.89	3.821	8.32	12.54	27.009	50.982	66.316	104.848
BNGSH805934	Mud	12.499	60.444	3.365	6.912	10.468	23.614	47.754	66.745	327.564
BNGSH805938	Mud	8.474	56.19	2.566	4.425	6.173	13.949	32.575	50.115	367.233
BNGSH805940	Mud	6.322	40.786	2.167	3.44	4.544	8.924	18.786	27.071	89.17
BNGSH805943	Mud	8.58	17.923	2.84	4.814	6.536	12.97	24.569	32.031	50.153
BNGSH805947	Mud	9.652	47.791	2.846	5.105	7.24	16.398	37.808	55.07	180.528
BNGSH805950	VF-F Sand	152.671	198.881	103.817	134.751	150.838	191.039	240.735	267.3	327.85
BNGSH805955	M-C Sand	196.199	406.052	73.224	231.555	272.001	375.355	514.885	596.41	789.788
BNGSH805959	M-C Sand	388.386	463.08	212.784	272.19	311.694	422.128	575.787	664.419	861.025
BNGSH805963	Mud	7.078	62.485	2.201	3.627	4.95	11.162	29.534	50.923	416.111
BNGSH806402	Mud	8.263	19.632	2.706	4.57	6.215	12.466	24.49	33.103	59.861
BNGSH806406	Mud	6.549	43.138	2.318	3.636	4.736	8.801	17.675	26.12	226.598
BNGSH806411	VF-F Sand	90.122	176.195	41.808	95.939	114.888	163.319	226.985	262.695	342.5
BNGSH806412	VF-F Sand	84.955	197.947	26.793	96.697	123.775	185.218	262.36	304.989	398.8
BNGSH806414	VF-F Sand	71.128	167.279	24.917	64.332	86.806	144.729	225.016	272.525	385.684
BNGSH806418	Mud	17.894	54.604	4.45	11.425	17.507	36.318	67.618	88.764	151.346
BNGSH806420	M-C Sand	125.83	265.677	44.248	80.566	113.947	236.099	377.058	449.866	609.074
BNGSH806423	Mud	11.546	29.759	3.339	6.553	9.456	19.958	39.298	52.809	90.444
BNGSH806424	Mud	7.459	44.735	2.275	3.809	5.258	12.132	33.202	53.89	223.267
BNGSH806427	M-C Sand	252.551	329.12	151.162	203.311	233.137	310.153	408.697	462.459	579.742
BNGSH806432	M-C Sand	195.608	259.497	120.371	162.165	185.549	245.669	322.297	363.882	453.381
BNGSH806434	Mud	8.254	32.954	2.615	4.495	6.176	12.702	26.577	38.326	92.352
BNGSH806437	VF-F Sand	139.777	199.833	74.983	112.781	133.057	185.901	254.958	293.05	375.723
BNGSH806441	M-C Sand	343.213	475.044	176.95	261.731	309.909	438.405	612.116	709.378	908.262
BNGSH806445	Mud	11.601	65.456	3.037	5.836	8.766	25.173	72.622	104.31	207.649
BNGSH806446	M-C Sand	277.434	496.785	93.198	243.796	312.166	472.762	671.02	773.11	957.141
BNGSH806447	Mud	11.155	46.736	2.943	6.058	9.408	22.711	45.611	61.229	111.032
BNGSH806451	Mud	4.517	57.699	1.499	2.551	3.371	6.729	17.571	31.96	482.075
BNGSH806452	M-C Sand	471.782	549.884	262.808	335.204	382.938	514.629	690.122	783.706	958.584
BNGSH806453	Mud	4.239	37.33	1.571	2.513	3.215	5.721	11.194	16.327	57.468
BNGSH806456	Mud	5.756	13.112	2.085	3.203	4.14	7.741	15.885	22.639	43.806

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TableA.1 – continued from previous page

Sample Name	Field Grain Size	D(3,2)- Surface weighted mean	(4,3)- Volume weighted mean	d(0.05)	d(0.16)	d(0.25)	d(0.50)	d(0.75)	d(0.84)	d(0.95)
BNGSH806461	M-C Sand	316.288	406.536	185.856	247.166	283.023	376.948	500.957	571.751	738.954
BNGSH806902	VF-F Sand	81.952	127.292	38.642	65.381	79.465	116.17	164.886	192.328	254.102
BNGSH806906	Mud	8.827	59.388	2.452	4.283	6.179	17.427	55.8	85.389	211.995
BNGSH806911	VF-F Sand	137.025	158.927	77.824	98.778	112.161	147.938	194.697	220.513	277.7
BNGSH806915	M-C Sand	148.198	282.39	63.775	115.261	148.168	242.044	375.281	453.794	642.67
BNGSH806920	Mud	17.687	54.07	4.748	11.19	16.305	33.011	62.275	82.022	140.45
BNGSH806924	VF-F Sand	201.051	274.856	110.003	159.044	186.159	256.694	348.328	398.525	506.701
BNGSH806929	VF-F Sand	211.598	280.011	126.433	171.886	197.393	263.271	348.317	395.162	498.094
BNGSH806934	M-C Sand	134.585	333.966	51.662	161.651	201.405	301.222	436.313	515.253	703.869
BNGSH806938	VF-F Sand	187.211	215.988	107.715	135.425	153.238	201.11	264.044	298.859	375.542
BNGSH806943	VF-F Sand	180.32	228.382	115.324	149.198	168.357	217.103	278.604	312.148	386.129
BNGSH806947	VF-F Sand	106.633	211.866	79.558	124.409	145.488	199.002	268.194	306.6	392.254
BNGSH806952	Mud	10.615	43.978	2.896	5.441	8.123	21.934	47.664	63.192	106.13
BNGSH806958		120.714	249.358	43.517	122.013	155.957	234.348	331.092	383.078	492.91
BNGT101302	Mud	7.517	13.882	2.899	4.442	5.631	9.638	17.156	22.89	40.898
BNGT101303	M-C Sand	160.326	402.616	64.013	150.848	211.148	363.978	558.579	665.362	883.763
BNGT101308	M-C Sand	262.451	491.426	176.857	271.33	322.549	458.482	639.253	737.717	929.618
BNGT101312	VF-F Sand	110.094	287.352	45.09	83.566	109.406	206.753	405.987	528.505	794.251
BNGT101315	M-C Sand	17.379	205.206	3.298	8.632	18.858	118.734	313.458	433.077	712.261
BNGT101317	VF-F Sand	257.247	473.416	105.768	256.189	309.524	443.242	618.449	715.212	911.292
BNGT101321	Mud	13.679	90.512	3.348	6.932	10.989	33.362	97.399	171.158	401.988
BNGT101323	VF-F Sand	179.528	354.541	78.257	168.462	209.843	317.191	464.272	550.267	752.817
BNGT101327	M-C Sand	186.437	373.699	80.171	185.754	228.971	338.779	486.716	572.714	774.182
BNGT101332	VF-F Sand	274.885	511.44	186.768	294.036	346.515	483.124	661.986	758.319	942.585
BNGT101337	VF-F Sand	207.061	450.641	76.369	204.213	266.85	418.352	612.663	717.676	921.065
BNGT101341	VF-F Sand	164.695	413.341	56.918	193.47	248.902	380.06	552.634	651.082	864.133
BNGT101346	M-C Sand	176.442	496.159	58.471	236.375	312.825	479.209	678.542	779.828	960.825
BNGT101350	M-C Sand	213.109	471.779	73.206	216.143	286.263	446.17	643.549	747.073	940.183
BNGT101355	M-C Sand	226.27	520.524	80.129	256.447	333.808	506.526	708.426	807.223	977.341
BNGT101359	VF-F Sand	178.853	389.968	71.22	187.912	234.905	353.08	513.186	606.546	820.051
BNGT101364	M-C Sand	148.461	368.138	48.449	125.806	179.089	321.499	514.157	623.607	855.864
BNGT101366.5	Mud	12.533	52.069	3.986	7.166	9.769	19.135	38.278	53.055	112.383
BNGT101367	M-C Sand	200.015	454.247	68.253	193.982	264.924	426.074	624.505	729.524	929.217
BNGT101370	VF-F Sand	171.042	385.106	60.102	159.285	214.368	346.459	520.991	621.563	843.879
BNGT103802	Mud	11.573	58.647	3.177	6.078	8.937	21.835	56.453	85.603	196.377
BNGT103805	Mud	9.197	60.782	2.63	4.684	6.709	16.586	44.726	70.416	289.154
BNGT103809	Mud	22.533	82.044	5.707	14.493	22.14	47.222	90.274	122.554	274.124
BNGT103812	Mud	7.756	13.825	2.912	4.568	5.879	10.341	18.097	23.265	36.996
BNGT103815	VF-F Sand	167.009	381.831	61.773	165.101	216.025	342.327	512.682	611.511	832.99
BNGT103820	M-C Sand	320.973	589.156	114.621	346.64	418.787	585.608	774.758	862.309	1005.709
BNGT103824	Mud	7.797	20.618	2.425	4.097	5.678	13.058	29.007	39.264	63.904
BNGT103829	Mud	11.837	22.997	3.974	7.131	9.572	17.354	30.247	38.836	62.06

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGT103831	M-C Sand	163.072	413.485	54.53	146.181	212.588	374.815	581.966	693.927	910.258
BNGT103835	Mud	13.742	55.698	3.575	7.487	11.504	28.076	62.102	87.266	172.623
BNGT103840	Mud	7.776	50.756	2.549	4.172	5.596	11.333	25.435	39.878	251.881
BNGT103841	VF-F Sand	189.144	414.334	67.704	161.967	225.295	377.058	570.941	678.226	895.224
BNGT103846	VF-F Sand	277.504	536.521	99.434	294.995	360.489	518.923	712.471	809.1	977.506
BNGT106802	VF-F Sand	87.877	204.971	32.451	77.478	99.821	163.074	264.031	331.807	520.436
BNGT106803	VF-F Sand	215.963	439.999	83.168	205.251	262.442	404.248	591.933	696.157	905.398
BNGT106805	VF-F Sand	130.95	338.557	40.336	132.52	183.601	303.143	458.193	547.538	756.96
BNGT106806	M-C Sand	34.076	361.251	5.755	31.89	83.064	333.255	561.689	677.779	900.931
BNGT106811	M-C Sand	192.591	456.874	66.464	214.127	277.861	427.842	618.961	722.105	922.427
BNGT106815	M-C Sand	208.244	421.493	113.243	212.68	259.621	383.361	552.695	649.722	860.401
BNGT106820	VF-F Sand	185.811	437.283	65.222	199.342	259.966	404.674	592.189	695.361	903.044
BNGT106823	M-C Sand	227.667	516.423	79.071	266.515	337.01	499.447	695.351	794.083	968.736
BNGT106827	M-C Sand	196.658	495.313	66.654	223.278	302.279	477.424	683.086	785.348	964.958
BNGT106832	M-C Sand	204.172	474.459	67.674	231.544	295.963	448.195	640.812	743.273	936.836
BNGT106834	Mud	12.718	55.786	3.468	6.481	9.491	25.86	71.332	100.03	180.958
BNGT106834.5	Mud	11.147	52.681	3.192	5.861	8.387	19.498	50.115	79.039	209.037
BNGT106835	VF-F Sand	260.009	523.944	107.823	288.893	350.323	502.221	692.055	789.501	964.873
BNGT106840	M-C Sand	146.578	426.822	47.48	168.994	236.728	393.293	592.934	701.188	912.058
BNGT106844	VF-F Sand	94.695	364.553	24.728	116.832	185.517	326.969	508.547	613.379	843.525
BNGT106849	Mud	7.91	110.68	2.125	3.983	5.941	19.839	107.549	248.898	563.948
BNGT106850	Mud	12.065	117.032	2.81	5.997	10.068	37.079	148.327	252.491	502.807
BNGT106852	VF-F Sand	156.804	410.587	51.126	156.043	220.858	373.394	570.224	678.906	896.862
BNGT106856	M-C Sand	174.204	459.794	55.264	181.497	264.177	436.395	641.144	747.099	942.052
BNGT106861	VF-F Sand	130.086	399.271	40.222	121.878	191.317	361.69	570.516	682.693	902.121
BNGT106863	VF-F Sand	137.689	394.419	43.747	154.243	215.141	356.368	542.617	648.485	871.467
BNGT108202	Mud	13.881	65.019	3.797	7.312	10.645	26.086	76.12	116.526	238.339
BNGT108206	Mud	10.904	64.524	2.916	5.371	7.938	22.305	79.527	128.824	268.872
BNGT108209	VF-F Sand	207.137	398.348	89.599	186.043	232.418	353.836	526.202	629.878	859.86
BNGT108214	VF-F Sand	191.201	348.083	92.629	170.047	207.812	307.986	449.313	534.786	745.287
BNGT108217	Mud	35.684	96.959	9.997	25.536	37.054	71.07	123.099	157.368	261.458
BNGT108218	VF-F Sand	151.028	372.057	47.643	155.74	204.201	326.84	501.176	606.468	842.796
BNGT108223	M-C Sand	147.579	412.691	43.298	141.915	210.562	371.452	584.656	701.533	920.86
BNGT108227	M-C Sand	130.237	405.777	36.664	105.834	172.779	364.096	598.82	718.787	933.036
BNGT108232	M-C Sand	152.34	427.339	46.22	144.834	219.049	390.836	608.878	724.109	934.015
BNGT108237	M-C Sand	197.387	473.746	60.78	163.482	249.133	451.679	680.383	789.504	971.789
BNGT108241	M-C Sand	197.557	469.453	59.543	174.616	257.2	443.609	666.698	776.897	964.627
BNGT108246	M-C Sand	191.459	476.902	58.255	182.905	269.747	454.963	673.281	781.416	966.444
BNGT108250	M-C Sand	165.315	436.262	49.252	165.315	237.341	401.357	612.75	725.979	934.308
BNGT108253	Mud	14.09	132.748	3.44	7.345	11.272	29.852	178.132	298.369	600.993
BNGT108255	M-C Sand	174.815	461.979	65.177	177.397	249.089	430.321	655.01	767.044	959.47
BNGT108259	M-C Sand	191.171	503.857	61.002	200	287.673	489.464	714.945	818.88	987.112

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGT108264	M-C Sand	161.917	408.178	50.336	128.614	196.737	367.636	582.787	698.832	917.903
BNGT108269	M-C Sand	208.38	486.705	64.873	197.424	278.066	463.867	685.709	793.45	973.763
BNGT108802	Mud	25.236	114.985	5.537	15.977	28.49	71.611	142.081	193.958	383.488
BNGT108803	M-C Sand	116.749	363.862	37.696	79.859	119.883	309.622	549.001	672.609	904.811
BNGT108808	VF-F Sand	189.347	373.715	112.278	196.824	235.015	335.836	477.255	562.652	772.482
BNGT108812	M-C Sand	270.989	532.979	109.108	263.065	335.063	514.814	728.682	828.891	991.677
BNGT108817	M-C Sand	276.471	546.158	98.384	293.158	361.922	530.481	733.416	830.546	991.339
BNGT108821	M-C Sand	239.165	537.04	77.119	249.86	338.701	530.547	742.3	839.454	996.487
BNGT108826	M-C Sand	218.227	512.898	65.174	229.799	312.665	498.294	713.901	816.233	984.931
BNGT108830	M-C Sand	133.142	459.329	39.041	114.44	195.57	443.842	687.602	797.677	976.917
BNGT108835	VF-F Sand	123.711	355.637	34.624	103.949	163.589	308.3	501.298	614.396	856.858
BNGT108840	VF-F Sand	134.858	349.328	40.897	106.627	159.24	298.057	489.327	603.347	850.779
BNGT108844	M-C Sand	208.917	478.602	64.439	172.982	259.091	456.822	682.79	791.254	972.628
BNGT108847	Mud	23.601	151.716	5.712	15.711	22.341	49.303	215.996	330.073	609.095
BNGT108849	Mud	12.636	138.487	2.957	6.16	10.065	32.011	187.114	319.852	629.047
BNGT108850	VF-F Sand	165.759	452.236	54.915	177.492	253.855	422.743	632.922	743.105	943.214
BNGT108855	Mud	17.951	86.718	3.997	11.082	18.589	44.314	97.312	142.937	321.991
BNGT108859	Mud	45.242	109.352	15.525	32.392	43.823	78.762	135.555	174.347	297.103
BNGT108861	VF-F Sand	107.823	256.246	34.676	86.156	116.246	200.721	336.279	428.955	684.991
BNGT110602	Mud	8.866	75.679	2.406	4.545	6.729	16.057	46.156	82.889	517.982
BNGT110603	VF-F Sand	191.886	383.545	95.513	186.851	230.284	343.867	500.926	593.614	809.103
BNGT110608	VF-F Sand	210.659	299.042	109.253	159.829	189.622	270.115	380.606	444.468	592.628
BNGT110612	M-C Sand	199.17	427.981	83.482	204.017	254.491	387.22	571.815	677.262	893.789
BNGT110617	VF-F Sand	194.577	387.384	89.026	156.619	199.832	330.998	531.156	646.746	880.719
BNGT110621	VF-F Sand	48.503	308.46	9.382	43.208	120.395	272.401	442.839	543.925	783.507
BNGT110626	VF-F Sand	141.168	416.085	44.325	165.637	228.232	377.779	577.121	687.792	905.701
BNGT110630	M-C Sand	100.043	448.482	30.478	192.06	261.762	420.005	622.953	731.399	933.948
BNGT110635	VF-F Sand	173.651	328.165	78.414	150.061	187.515	287.496	428.153	512.683	720.764
BNGT110640	M-C Sand	177.18	511.737	57.708	242.935	323.395	498.439	704.078	804.796	977.05
BNGT110644	M-C Sand	171.471	386.304	67.383	178.529	225.267	345.389	512.255	610.756	833.705
BNGT110649	M-C Sand	208.265	474.834	71.98	220.376	288.243	447.954	648.039	752.775	945.385
BNGT110653	VF-F Sand	95.035	396.707	24.497	117.193	200.657	363.777	563.458	673.591	894.709
BNGT110658	M-C Sand	114.861	436.971	34.036	175.02	250.687	409.008	608.008	715.645	922.423
BNGT110663	VF-F Sand	102.051	337.144	30.534	128.252	179.344	297.294	456.91	552.41	780.285
BNGT110667	M-C Sand	171.225	456.912	61.841	195.161	265.53	428.197	630.809	737.65	936.545
BNGT110671	M-C Sand	242.054	488.578	90.347	247.479	310.887	462.613	654.011	755.313	944.663
BNGT110672	M-C Sand	189.775	481.028	73.874	234.516	298.469	453.794	651.238	755.125	946.52
BNGT111802	Mud	11.078	56.863	3.245	5.761	8.078	18.784	53.103	82.636	195.225
BNGT111808	Mud	8.333	31.372	2.488	4.394	6.289	14.331	29.607	40.627	81.219
BNGT111812	VF-F Sand	174.695	372.961	67.356	161.309	206.861	327.333	499.014	601.357	831.955
BNGT111817	M-C Sand	108.045	437.073	27.835	99.162	191.421	417.457	648.339	760.332	954.511
BNGT111821	M-C Sand	150.104	375.059	47.422	152.51	206.382	335.183	508.262	609.521	836.696

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGT111826	VF-F Sand	156.304	311.218	55.137	139.865	177.981	274.516	408.038	487.865	683.37
BNGT111830	M-C Sand	199.344	408.051	66.884	195.959	246.214	370.813	540.294	638.944	856.367
BNGT111835	M-C Sand	234.545	541.625	72.505	282.98	361.958	534.336	733.07	828.356	988.862
BNGT112402	Mud	15.692	83.329	4.047	8.309	12.635	33.322	88.037	141.553	355.362
BNGT112403	VF-F Sand	89.973	222.287	27.044	77.658	107.932	183.715	293.014	362.843	551.475
BNGT112408	VF-F Sand	170.818	331.253	110.066	176.368	210.064	299.556	422.789	494.864	666.625
BNGT112412	VF-F Sand	190.559	365.602	91.321	161.856	202.435	317.169	485.037	585.513	815.522
BNGT112417	VF-F Sand	314.356	419.073	181.911	242.813	279.964	381.069	522.089	605.4	802.316
BNGT112421	VF-F Sand	180.419	352.946	105.379	185.326	221.705	317.876	451.646	531.075	722.95
BNGT112424	M-C Sand	210.817	440.436	77.983	211.319	265.526	404.249	590.214	693.592	902.509
BNGT112426	M-C Sand	27.795	310.276	5.077	17.695	36.618	240.712	513.259	644.369	888.442
BNGT112427	VF-F Sand	212.195	449.256	64.638	197.23	268.23	422.314	612.299	715.003	917.027
BNGT112432	VF-F Sand	205.886	405.512	67.7	196.357	247.917	371.741	535.389	629.621	840.996
BNGT112434	M-C Sand	202.848	454.299	60.735	161.528	256.532	433.199	634.815	739.743	936.119
BNGT113002	VF-F Sand	113.564	276.612	40.397	107.631	137.677	223.076	361.38	454.253	699.034
BNGT113006	M-C Sand	186.37	411.55	81.678	176.282	227.829	366.989	560.374	669.836	891.723
BNGT113011	VF-F Sand	169.62	349.275	84.444	155.416	193.965	301.567	460.346	557.174	786.326
BNGT113015	VF-F Sand	145.896	307.943	70.28	127.343	160.49	256.65	405.056	498.806	733.067
BNGT113020	VF-F Sand	126.989	281.672	42.378	146.596	180.054	261.884	367.78	427.013	559.186
BNGT113024	VF-F Sand	169.137	364.28	84.288	182.189	221.161	324.493	470.947	559.493	773.964
BNGT113029	M-C Sand	102.814	280.217	30.389	105.542	136.65	225.493	369.988	466.077	714.06
BNGT113034	M-C Sand	161.266	394.736	62.566	145.402	198.671	347.946	551.52	664.518	890.497
BNGT113038	M-C Sand	123.433	503.429	31.654	229.586	316.54	493.537	699.366	800.551	974.537
BNGT113043	M-C Sand	164.492	494.635	55.29	227.239	304.069	476.173	682.001	785.104	965.685
BNGT113048	M-C Sand	86.938	414.195	17.979	103.285	191.742	384.329	607.646	722.156	931.176
BNGT113602	Mud	10.442	40.327	3.324	5.765	7.86	15.841	33.64	48.885	107.897
BNGT113603	Mud	7.998	41.305	2.771	4.495	5.926	11.072	21.45	30.187	97.114
BNGT113606	VF-F Sand	138.288	256.721	61.719	103.45	129.824	210.671	338.288	417.012	611.548
BNGT113612	VF-F Sand	208.498	372.79	110.377	190.334	230.42	335.732	480.333	565.353	767.878
BNGT113617	VF-F Sand	213.169	385.92	111.578	201.33	243.222	351.385	497.133	581.609	779.709
BNGT113620	VF-F Sand	252.035	429.102	148.94	229.892	273.848	391.062	552.174	645.576	853.431
BNGT113624	M-C Sand	447.793	586.412	266.914	360.239	416.305	564.487	748.84	839.17	993.161
BNGT113629	M-C Sand	282.622	509.918	142.139	276.931	334.204	481.706	672.986	773.365	956.414
BNGT114202	Mud	28.395	103.154	6.601	17.879	30.723	71.95	135.067	178.17	309.131
BNGT114203	VF-F Sand	130.414	197.327	58.921	99.059	120.409	176.767	253.909	299.015	406.309
BNGT114208	VF-F Sand	209.963	290.024	124.758	173.938	200.769	270.278	361.712	413.265	530.684
BNGT114212	M-C Sand	195.835	391.771	69.56	139.158	191.616	344.684	549.216	661.124	886.015
BNGT114217	M-C Sand	331.036	494.065	150.508	271.032	324.336	462.509	645.258	744.553	935.669
BNGT114221	M-C Sand	293.356	459.105	92.277	244.712	296.457	426.333	599.713	697.505	900.187
BNGT114226	VF-F Sand	180.581	367.584	62.557	175.197	221.206	332.305	481.965	570.235	779.716
BNGT114227	M-C Sand	209.68	417.553	70.776	192.535	247.467	380.971	559.158	660.697	876.198
BNGT114702	Mud	11.496	42.121	3.663	6.381	8.679	17.408	37.357	54.775	121.644

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGT114706	Mud	11.446	25.791	3.698	6.567	8.946	17.345	33.208	44.729	78.065
BNGT114711	Mud	19.762	71.979	5.176	11.366	17.313	40.173	81.798	110.741	218.97
BNGT114714	VF-F Sand	74.906	168.954	23.18	64.785	86.993	144.497	225.94	275.135	395.97
BNGT114718	VF-F Sand	201.055	343.761	111.174	176.291	211.77	306.869	439.572	518.446	710.055
BNGT114723	VF-F Sand	234.72	350.765	122.41	181.962	216.636	311.746	446.625	527.153	722.824
BNGT114727	M-C Sand	235.687	495.279	72.063	208.171	298.401	480.167	686.721	788.863	967.333
BNGT114732	M-C Sand	260.776	498.54	81.992	270.917	329.417	473.192	658.387	757.597	944.778
BNGT114735	M-C Sand	192.676	430.502	60.955	165.273	235.875	397.455	598.783	706.815	915.643
BNGT115202	VF-F Sand	148.281	284.088	79.814	139.371	168.696	248.163	363.64	434.709	613.025
BNGT115206	VF-F Sand	215.549	377.123	128.25	197.675	235.773	338.511	482.392	567.613	770.731
BNGT115211	VF-F Sand	174.025	273.585	84.599	130.854	158.658	236.423	350.047	419.729	594.356
BNGT115215	M-C Sand	234.911	408.908	121.353	202.124	246.389	366.263	534.816	633.527	851.848
BNGT115220	M-C Sand	426.749	557.885	229.993	325.67	382.178	531.62	720.646	815.51	980.68
BNGT115223	M-C Sand	484.579	563.427	269.651	344.788	394.245	530.12	708.8	801.987	970.891
BNGT115226	M-C Sand	239.993	445.921	78.718	185.057	255.289	415.487	611.734	716.847	920.506
BNGT115702	VF to F Sand	105.875	216.3	38.581	110.979	135.128	197.044	280.566	328.764	440.153
BNGT115706	VF to F Sand	143.251	255.653	66.55	110.571	136.434	210.795	326.995	403.065	606.903
BNGT115711	VF to F Sand	134.27	286.164	47.382	147.264	179.234	260.922	371.145	434.675	581.665
BNGT115715	VF to F Sand	86.063	265.996	26.084	73.911	103.896	201.151	368.556	474.839	731.324
BNGT115717	Mud	45.9	153.493	12.062	33.475	50.104	102.976	199.489	270.09	476.449
BNGT115718	M to C Sand	327.861	447.551	175.867	250.451	293.771	409.886	568.801	660.289	862.583
BNGT115723	M to C Sand	241.074	424.633	121.559	206.784	254.749	383.49	560.206	661.199	876.093
BNGT115727	M to C Sand	372.682	502.139	196.37	284.862	334.946	467.969	645.728	743.179	933.291
BNGT115732	M to C Sand	278.978	450.136	108.45	209.616	266.754	413.4	605.195	709.787	915.261
BNGT115738	M to C Sand	405.713	541.699	205.06	304.763	362.65	514.515	706.13	802.982	973.641
BNGT117202	Mud	15.78	45.678	4.495	9.455	13.671	27.313	50.345	66.533	123.374
BNGT117203	VF-F Sand	105.556	212.484	42.575	88.024	109.602	169.629	264.779	330.913	535.235
BNGT117208	VF-F Sand	156.115	272.357	78.063	129.131	157.434	235.864	350.226	420.105	594.555
BNGT117212	VF-F Sand	254.07	334.587	153.224	204.793	234.637	312.476	414.219	471.059	599.798
BNGT117217	VF-F Sand	41.472	261.983	6.551	113.415	161.595	246.177	352.374	414.238	564.833
BNGT117221	VF-F Sand	308.525	408.383	180.975	241.506	277.498	373.674	505.172	582.452	769.661
BNGT117226	M-C Sand	420.692	529.357	244.427	320.485	367.541	495.114	666.757	760.381	941.29
BNGT117230	M-C Sand	294.304	458.923	138.664	227.71	279.01	417.998	609.036	715.197	921.787
BNGT117702	Mud	20.061	52.437	5.748	12.893	18.312	34.572	60.535	77.816	129.737
BNGT117705	VF-F Sand	85.199	174.303	25.476	71.818	90.502	140.713	217.979	270.164	428.699
BNGT117709	VF-F Sand	145.878	308.634	60.609	123.633	155.931	250.061	406.246	510.365	766.154
BNGT117714	VF-F Sand	192.07	363.844	115.112	196.952	234.636	332.245	463.989	540.466	722.309
BNGT117718	VF-F Sand	190.379	358.755	96.197	183.397	222.025	322.736	461.542	543.757	742.342
BNGT117723	M-C Sand	363.833	500.237	203.661	283.409	331.676	463.425	643.061	742.133	934.282
BNGT117727	M-C Sand	222.882	498.919	177.145	274.899	326.731	465.886	653.663	755.194	945.39
BNGT204802	Mud	10.248	18.3	3.728	6.218	8.087	13.993	23.661	30.05	47.686
BNGT204803	Mud	13.385	23.713	4.731	8.34	10.962	18.918	31.256	39.056	59.389

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGT204805	Mud	9.205	31.783	2.74	4.986	7.119	15.228	31.314	44.769	108.091
BNGT204806	Mud	14.502	54.303	3.938	8.14	11.801	26.72	68.069	99.132	180.897
BNGT204808	Mud	15.273	51.733	4.192	8.601	12.428	28.315	70.533	99.408	171.37
BNGT204809	VF-F Sand	177.632	393.362	59.105	191.833	240.433	358.654	517.615	610.486	823.943
BNGT204811	VF-F Sand	209.531	422.829	74.863	222.798	269.82	388.846	549.618	642.669	850.791
BNGT204811.5	Mud	12.717	31.269	3.938	7.185	9.97	20.388	41.176	55.968	95.822
BNGT204812	VF-F Sand	134.57	263.85	56.095	136.09	165.637	241.174	342.292	400.097	532.136
BNGT204814	VF-F Sand	219.391	414.852	94.24	199.797	248.949	375.613	548.299	648.133	865.15
BNGT204815	VF-F Sand	207.649	375.704	93.019	164.145	205.972	325.731	501.728	606.033	837.721
BNGT204817	M-C Sand	230.066	453.221	100.178	209.601	267.1	416.403	613.646	720.665	925.549
BNGT204818	M-C Sand	278.05	476.795	154.252	256.223	307.199	441.498	622.991	723.745	922.711
BNGT204820	M-C Sand	308.74	535.01	191.132	301.536	358.72	508.662	701.307	799.659	972.678
BNGT204821	M-C Sand	319.376	537.66	212.381	309.709	364.284	509.543	698.532	796.202	970.045
BNGT204823	M-C Sand	340.553	536.418	221.188	309.674	362.499	505.408	693.785	792.001	967.721
BNGT204824	M-C Sand	239.225	517.883	158.608	277.704	336.803	490.486	687.482	788.4	966.842
BNGT204826	M-C Sand	312.923	514.441	208.547	294.598	344.88	480.768	663.651	762.586	948.625
BNGT204827	VF-F Sand	291.157	382.039	178.929	237.549	271.003	357.62	470.185	533.273	678.729
BNGT204829	Mud	10.379	35.227	3.043	5.812	8.372	17.297	32.964	44.919	136.654
BNGT204829.5	Mud	13.323	52.727	3.749	7.735	11.218	22.791	43.952	62.739	255.246
BNGT204832	VF-F Sand	161.338	226.34	87.172	125.086	147.401	207.312	288.006	333.518	435.023
BNGT204834	VF-F Sand	177.554	284.055	86.015	134.219	162.909	243.624	363.282	437.571	626.552
BNGT204835	VF-F Sand	260.746	380.504	123.439	187.608	226.756	335.584	491.524	584.839	803.711
BNGT204837	VF-F Sand	290.853	415.219	140.03	211.325	254.07	371.293	536.89	634.662	852.966
BNGT204838	VF-F Sand	325.978	432.429	176.078	241.39	281.798	392.338	546.033	635.893	840.603
BNGT204840	M-C Sand	418.305	551.726	205.999	310.321	369.995	526.052	721.594	818.389	983.652
BNGT204841	M-C Sand	423.821	544.98	227.552	314.427	368.135	513.583	703.638	801.283	973.473
BNGT204843	M-C Sand	339.861	461.528	166.774	243.826	290.907	419.785	598.558	699.999	906.584
BNGT204844	M-C Sand	368.314	466.275	214.292	279.537	319.715	428.648	578.799	666.258	862.414
BNGT204846	M-C Sand	194.2	489.648	150.918	262.852	315.627	456.216	646.584	749.77	943.028
BNGT204847	M-C Sand	553.254	621.813	324.869	406.326	458.842	598.501	770.466	853.991	998.365
BNGT204849	M-C Sand	451.606	583.293	253.687	350.006	407.948	561.049	750.636	842.301	995.879
BNGT204850	M-C Sand	229.257	397.508	112.009	188.644	232.588	352.521	522.562	623.072	847.067
BNGT204852	M-C Sand	306.873	455.215	142.873	226.218	276.132	413.063	602.399	707.86	915.37
BNGT204853	M-C Sand	255.071	395.272	113.904	185.319	228.378	348.025	519.968	622.026	848.733
BNGT204854	M-C Sand	18.718	172.325	4.296	11.329	18.161	41.068	131.76	476.026	810.688
BNGT204855	M-C Sand	160.315	457.004	61.921	218.682	278.295	424.593	618.14	724.168	927.734
BNGT204856	M-C Sand	229.341	404.966	107.287	197.589	243.808	364.552	530.475	627.482	845.293
BNGT204858	VF-F Sand	216.495	438.003	105.39	236.229	283.373	403.733	566.318	660.299	867.258
BNGT204859	VF-F Sand	222.079	416.431	94.276	217.96	264.822	382.314	539.523	630.705	838.09
BNGT209802	Mud	16.295	55.801	4.525	9.259	13.597	30.398	62.165	83.781	149.872
BNGT209805	VF-F Sand	152.784	232.408	78.411	115.81	138.153	200.779	293.393	351.214	500.523
BNGT209809	VF-F Sand	235.775	316.991	116.406	171.712	204.307	290.561	404.575	468.249	610.114

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGT209814	VF-F Sand	210.463	303.054	106.246	157.388	188.115	272.123	388.296	455.437	610.322
BNGT209818	VF-F Sand	246.892	324.622	141.974	191.527	220.999	299.344	403.938	463.248	600.1
BNGT209823	VF-F Sand	204.207	266.115	116.653	156.464	180.553	244.932	331.19	380.195	492.696
BNGT209827	VF-F Sand	182.75	239.167	104.502	140.173	161.89	220.032	298.02	342.243	443.602
BNGT209832	M-C Sand	359.605	556.54	139.737	297.848	371.134	543.681	742.86	837.019	993.6
BNGT209837	M-C Sand	191.626	466.939	51.917	154.595	252.929	448.015	666.313	773.941	960.858
BNGT209841	VF-F Sand	344.877	468.242	190.167	264.655	309.236	430.085	596.121	690.875	891.586
BNGT209844	VF-F Sand	204.441	317.853	100.074	146.846	176.388	263.53	404.533	498.482	741.33
BNGT211002	Mud	8.467	51.412	2.701	4.484	6.043	12.504	32.941	58.994	205.943
BNGT211003	VF-F Sand	190.657	337.474	122.985	202.265	235.756	319.09	425.118	483.638	614.752
BNGT211006	Mud	17.462	54.832	4.435	10.356	16.311	36.306	67.595	87.86	148.726
BNGT211008	VF-F Sand	272.933	363.131	165.457	223.28	255.899	340.292	449.545	510.326	648.189
BNGT211012	VF-F Sand	163.907	220.73	93.76	127.054	147.083	201.042	274.932	317.887	419.821
BNGT211017	VF-F Sand	278.036	351.839	175.578	227.629	257.142	332.548	428.692	481.949	602.757
BNGT211021	M-C Sand	462.935	544.473	253.598	326.026	374.131	507.974	687.75	783.438	960.16
BNGT211026	M-C Sand	394.291	483.713	203.221	271.195	316.135	441.853	615.914	713.632	911.958
BNGT211030	M-C Sand	403.579	533.642	213.733	305.064	359.08	503.037	690.048	787.36	963.634
BNGT211032	M-C Sand	318.99	542.696	191.5	310.885	369.242	519.397	709.014	805.166	974.775
BNGT211402	Mud	23.617	76.217	6.35	14.881	22.061	45.789	85.793	113.613	217.659
BNGT211405	VF-F Sand	91.546	261.551	25.79	69.845	109.182	211.464	358.372	450.972	687.598
BNGT211409	VF-F Sand	177.976	245.014	109.077	149.767	172.248	230.278	305.362	346.849	438.561
BNGT211414	M-C Sand	290.538	470.598	154.101	249.309	299.938	433.736	614.995	716.159	917.714
BNGT211418	VF-F Sand	397.762	473.29	218.079	279.584	320.074	432.521	588.503	678.477	876.008
BNGT211423	VF-F Sand	336.368	423.969	208.239	267.505	302.342	393.483	515.116	585.888	757.889
BNGT211427	VF-F Sand	256.452	357.873	138.78	191.644	224.751	317.406	450.573	530.839	727.041
BNGT211432	VF-F Sand	320.06	425.226	176.249	241.225	280.733	387.665	534.461	619.79	817.194
BNGT211437	M-C Sand	303.111	418.637	150.351	223.545	266.183	379.881	535.144	625.269	831.093
BNGT211441	M-C Sand	389.97	543.635	186.446	302.356	363.26	519.582	714.038	810.983	978.927
BNGT211446	M-C Sand	393.782	517.984	210.289	295.208	346.36	484.07	666.782	764.699	948.901
BNGT211448	M-C Sand	360.389	500.903	181.403	271.849	324.67	466.098	653.862	754.602	943.93
BNGT211802	Mud	7.575	37.39	2.619	4.276	5.654	10.563	20.161	27.806	63.162
BNGT211806	Mud	13.234	50.278	3.497	7.522	11.45	25.848	50.625	67.467	121.549
BNGT211808	VF-F Sand	247.086	327.617	151.487	202.764	231.863	307.41	405.561	460.073	581.937
BNGT211812	VF-F Sand	238.221	273.566	138.262	173.164	195.445	255.117	333.286	376.55	472.196
BNGT211817	VF-F Sand	275.252	367.021	149.283	208.771	243.926	337.346	461.711	531.963	692.061
BNGT211821	VF-F Sand	210.318	314.736	107.045	148.747	176.396	259.486	397.019	490.079	730.23
BNGT211826	VF-F Sand	283.464	384.673	153.084	212.027	248.32	347.592	484.836	564.767	753.322
BNGT211830	M-C Sand	417.947	553.87	228.294	324.926	380.636	527.445	714.324	809.238	976.736
BNGT211835	VF-F Sand	388.097	467.051	207.962	270.959	312.265	426.631	584.273	674.516	871.802
BNGT211840	M-C Sand	378.644	533.267	163.81	291.439	353.687	509.511	702.422	799.823	971.824
BNGT211846	M-C Sand	390.843	475.227	205.792	270.265	312.984	432.747	600.047	695.557	896.235
BNGT211849	VF-F Sand	337.463	433.29	195.03	258.441	296.702	398.858	536.771	616.494	803.021

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGT211853	M-C Sand	469.633	588.798	265.569	358.986	415.981	566.465	752.333	842.576	995.268
BNGT211854	M-C Sand	441.95	533.446	229.171	305.755	356.637	497.398	683.976	781.926	960.439
BNGT304602	Mud	12.892	123.796	3.119	6.398	10.581	29.034	218.265	341.45	519.109
BNGT304606	Mud	9.851	20.938	3.047	5.44	7.738	16.471	29.913	37.519	54.293
BNGT304611	Mud	10.128	47.946	2.811	5.24	7.856	19.442	39.818	54.258	271.592
BNGT304615	Mud	14.041	73.044	3.703	7.553	11.495	27.709	61.929	94.355	375.917
BNGT304620	Mud	24.317	129.263	4.715	16.634	30.86	93.219	179.606	232.988	385.454
BNGT304624	VF-F Sand	77.756	290.111	21.916	62.595	105.584	230.459	412.207	524.814	789.309
BNGT304627	VF-F Sand	72.6	262.264	20.582	60.801	122.046	229.784	360.666	438.896	638.917
BNGT306402	VF-F Sand	99.774	227.029	40.736	74.534	94.481	155.768	275.186	380.326	712.877
BNGT306406	Mud	10.804	90.293	2.662	5.413	8.667	24.022	74.161	176.998	447.291
BNGT306411	VF-F Sand	130.834	280.639	51.02	119.377	151.096	236.048	362.104	443.381	666.44
BNGT306415	VF-F Sand	205.02	484.347	62.761	217.945	290.021	457.986	670.75	778.997	965.408
BNGT306420	VF-F Sand	167.94	372.041	53.823	172.709	221.428	335.313	489.381	582.525	807.238
BNGT306424	VF-F Sand	253.332	513.134	89.662	261.823	326.019	487.689	694	797.809	974.853
BNGT306429	VF-F Sand	188.94	487.261	59.981	220.167	292.547	462.065	675.442	783.135	967.651
BNGT306434	VF-F Sand	156.681	304.391	65.521	155.39	188.491	273.671	390.077	458.973	629.214
BNGT306438	VF-F Sand	242.736	456.346	158.106	243.895	289.709	414.574	593.403	697.874	910.494
BNGT306443	VF-F Sand	198.213	459.75	63.724	211.387	276.229	428.069	626.939	735.255	937.515
BNGT306447	VF-F Sand	168.924	366.557	62.712	157.2	200.664	316.668	488.243	595.078	839.763
BNGT306452	VF-F Sand	205.998	429.844	89.793	224.955	271.481	391.551	558.778	657.91	875.813
BNGT309423	VF-F Sand	185.841	435.007	142.762	220.513	264.713	389.099	571.719	678.729	898.127
BNGX00102	Mud	13.9	37.363	1.819	2.123	2.397	3.417	5.718	7.727	15.741
BNGX00103	VF-F Sand	116.114	193.53	8.514	10.892	12.709	18.434	31.373	81.813	163.49
BNGX00108	VF-F Sand	185.844	244.135	17.959	22.082	25.969	95.066	160.433	195.044	280.626
BNGX00112	VF-F Sand	123.571	165.253	9.708	11.432	12.827	17.725	95.445	122.532	177.475
BNGX00114	VF-F Sand	151.398	313.924	3.721	4.06	4.444	6.092	10.761	17.818	87.783
BNGX00115	VF-F Sand	171.394	287.988	3.696	3.983	4.269	5.565	9.324	19.591	154.878
BNGX00118	VF-F Sand	122.475	252.144	3.202	3.497	3.826	5.207	9.582	16.664	77.266
BNGX00120	VF-F Sand	212.995	283.047	17.811	21.638	24.801	37.098	173.149	216.334	312.125
BNGX00124	VF-F Sand	164.533	247.084	11.338	14.387	16.972	25.772	94.926	142.135	235.195
BNGX00129	VF-F Sand	229.843	315.547	21.11	25.92	29.689	44.596	180.652	229.458	341.711
BNGX00134	VF-F Sand	192.036	253.073	18.315	22.343	25.504	39.879	163.286	200.326	284.887
BNGX00138	VF-F Sand	189.488	341.806	4.314	4.675	5.059	6.767	12.514	27.569	164.254
BNGX00143	VF-F Sand	167.055	307.266	5.023	5.464	6.015	9.514	28.382	47.72	178.716
BNGX00147	VF-F Sand	226.641	293.924	20.844	24.729	27.917	43.053	194.188	236.198	333.603
BNGX00152	M-C Sand	225.697	439.316	6.823	7.472	8.32	13.318	40.924	60.726	226.984
BNGX00156	VF-F Sand	272.136	379.081	24.236	29.889	34.868	64.52	213.723	269.588	404.585
BNGX00161	M-C Sand	247.09	433.522	5.811	6.253	6.701	9.016	19.366	41.065	232.729
BNGX00166	VF-F Sand	241.839	350.421	20.486	25.248	31.481	110.592	187.346	234.072	361.648
BNGX00202	VF-F Sand	205.37	287.478	124.909	174.997	202.042	271.24	359.746	408.112	513.512
BNGX00206	VF-F Sand	253.702	295.571	142.509	181.307	206.621	275.276	365.38	414.408	518.341

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TableA.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGX00211	VF-F Sand	186.441	215.917	106.818	134.646	152.467	200.357	263.672	299.031	378.426
BNGX00215	VF-F Sand	161.838	186.867	93.445	117.255	132.483	173.346	227.37	257.67	326.642
BNGX00220	VF-F Sand	256.249	354.564	134.858	193.435	228.039	321.11	448.29	521.864	695.051
BNGX00224	VF-F Sand	298.186	387.255	174.96	232.148	266.21	356.471	477.65	547.549	714.358
BNGX00229	VF-F Sand	240.818	310.586	142.193	190.77	218.965	292.04	385.664	436.806	548.624
BNGX00234	VF-F Sand	238.971	339.774	124.721	181.562	215.053	305.92	431.29	504.248	676.591
BNGX00238	VF-F Sand	172.478	239.979	92.781	128.45	150.843	213.498	302.995	356.198	482.985
BNGX00243	VF-F Sand	290.929	334.317	168.316	211.488	238.938	312.182	407.707	460.412	576.621
BNGX00247	VF-F Sand	264.908	350.459	156.412	213.079	245.24	328.29	435.518	494.916	628.196
BNGX00252	VF-F Sand	279.04	394.584	135.412	198.461	238.534	350.373	508.739	602.178	817.4
BNGX00253	VF-F Sand	306.489	399.387	163.623	224.955	262.634	364.055	501.292	580.193	764.733
BNGX00302	VF-F Sand	134.566	157.278	75.641	96.562	109.913	145.69	192.855	219.176	278.595
BNGX00306	VF-F Sand	169.223	236.742	90.257	128.347	151.426	214.371	300.893	350.628	464.553
BNGX00311	VF-F Sand	217.591	274.074	129.118	171.056	195.419	258.285	338.581	382.418	478.376
BNGX00317	Mud	161.42	217.046	84.041	118.33	139.717	197.921	276.413	320.576	418.56
BNGX00318	VF-F Sand	109.956	174.321	51.804	84.314	103.027	154.094	225.817	268.052	368.079
BNGX00323	M-C Sand	253.277	332.325	154.093	205.645	235.5	312.823	411.956	466.191	585.227
BNGX00327	VF-F Sand	262.925	339.083	157.397	209.2	239.536	318.289	419.708	475.464	598.939
BNGX00332	VF-F Sand	31.208	85.069	8.032	23.408	35.092	67.936	115.789	145.388	221.836
BNGX00337	VF-F Sand	193.197	257.657	104.683	144.64	169.211	235.772	325.781	376.69	490.317
BNGX00341	VF-F Sand	193.119	255.356	105.611	145.003	169.351	235.19	323.028	371.794	477.936
BNGX00346	VF-F Sand	183.47	241.18	106.991	143.293	165.028	222.702	299.64	343.291	443.632
BNGX00350	VF-F Sand	186.617	226.058	99.899	129.884	149.697	204.784	280.931	324.795	426.111
BNGX00355	M-C Sand	244.977	334.646	120.97	180.571	215.074	306.183	427.053	495.02	648.349
BNGX00359	VF-F Sand	296.363	376.616	173.444	229.17	262.24	349.225	463.873	528.823	680.285
BNGX00364	VF-F Sand	256.155	338.925	136.76	193.721	226.932	314.231	428.324	491.396	629.865
BNGX00366	VF-F Sand	262.803	340.839	141.494	194.973	227.481	314.241	429.169	493.325	635.703
BNGX00402	VF-F Sand	140.252	249.334	96.281	147.716	172.401	234.729	314.746	358.945	457.239
BNGX00406	VF-F Sand	175	210.834	94.105	122.096	140.602	191.983	262.386	302.398	392.816
BNGX00411	VF-F Sand	211.331	269.899	125.92	166.181	190.052	252.552	333.828	378.834	478.869
BNGX00415	VF-F Sand	156.073	237.318	74.812	115.17	140.061	209.654	307.779	365.003	497.765
BNGX00420	VF-F Sand	188.473	243.251	111.253	147.984	169.628	226.417	300.99	342.845	437.95
BNGX00424	VF-F Sand	247.922	342.773	131.351	198.114	232.566	320.873	434.57	496.83	632.443
BNGX00429	VF-F Sand	237.794	302.065	138.19	183.779	210.949	282.126	374.7	425.882	539.184
BNGX00435	VF-F Sand	261.483	364.606	136.055	196.258	232.117	329.211	462.447	539.684	721.514
BNGX00438	VF-F Sand	230.165	307.295	123.864	172.728	202.293	281.875	388.748	448.881	582.57
BNGX00443	VF-F Sand	277.121	383.39	133.62	205.376	245.094	349.033	488.332	568.41	755.916
BNGX00447	VF-F Sand	235.746	329.538	106.173	175.12	211.363	303.743	423.734	490.491	639.37
BNGX00452	VF-F Sand	235.094	339.89	98.706	173.939	212.956	311.355	439.058	510.765	674.359
BNGX00455	VF-F Sand	243.081	325.3	117.489	172.906	206.828	297.215	416.612	483.196	631.524
BNGX00502	Mud	14.149	50.807	3.425	8.446	13.534	29.88	56.845	76.825	157.255
BNGX00503	VF-F Sand	178.494	237.435	106.339	145.281	167.065	223.298	295.662	335.445	422.97

Continues on next page

Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGX00508	VF-F Sand	226.806	310.878	129.494	181.701	211.529	289.929	392.394	448.751	571.131
BNGX00512	VF-F Sand	223.241	287.994	132.699	176.469	202.282	269.819	357.412	405.637	511.462
BNGX00517	VF-F Sand	227.74	263.904	129.984	164.424	186.386	245.278	322.84	365.952	461.78
BNGX00521	VF-F Sand	221.327	263.814	120.543	155.419	178.42	241.883	327.87	376.152	482.823
BNGX00526	VF-F Sand	240.48	318.277	139.376	189.02	218.048	294.584	396.171	453.569	584.829
BNGX00530	VF-F Sand	208.721	270.614	125.24	168.614	193.062	255.895	335.759	379.036	472.646
BNGX00535	VF-F Sand	210.55	262.804	132.48	171.406	193.413	249.398	320.231	358.975	445.388
BNGX00540	VF-F Sand	193.497	268.179	105.541	154.371	180.769	249.605	339.92	389.978	499.21
BNGX00541	Mud	7.538	60.597	2.165	3.717	5.424	13.342	38.862	63.162	383.806
BNGX00543	VF-F Sand	234.352	309.182	141.041	190.036	217.88	290.055	383.645	435.472	550.709
BNGX00547	VF-F Sand	238.368	280.885	131.695	168.907	193.25	259.794	348.271	397.081	502.751
BNGX00552	VF-F Sand	331.618	379.369	193.824	242.134	272.849	354.488	460.774	519.505	650.437
BNGX00556	VF-F Sand	283.226	371.205	164.942	221.826	255.231	343.251	459.926	526.136	680.659
BNGX00561	VF-F Sand	272.705	374.483	149.744	209.66	245.226	340.806	471.09	546.416	723.547
BNGX00566	VF-F Sand	386.831	464.539	209.041	270.042	310.431	423.069	579.958	670.585	869.645
BNGX00570	M-C Sand	307.53	443.245	121.851	199.815	255.4	404.231	595.613	699.728	907.243
BNGX00575	M-C Sand	236.004	329.835	129.8	183.203	214.618	299.555	416.152	483.559	640.489
BNGX00579	M-C Sand	249.125	423.357	84.234	210.055	258.598	384.811	558.139	657.8	871.913
BNGX00602	Mud	15.857	39.988	4.695	9.375	13.253	26.706	52.183	70.757	123.021
BNGX00605	Mud	8.088	13.742	3.084	4.892	6.264	10.636	17.752	22.398	35.063
BNGX00606	Mud	16.069	35.668	4.829	9.87	13.901	26.758	47.517	61	97.424
BNGX00609	Mud	10.627	20.703	3.587	6.461	8.643	15.371	26.206	33.497	55.131
BNGX00612	Mud	18.386	39.409	5.242	12.275	17.373	31.536	52.47	65.69	100.937
BNGX00614	Mud	16.075	40.68	4.141	10.157	15.471	31.038	54.681	69.859	110.981
BNGX00620	Mud	17.748	40.864	4.918	11.201	16.462	32.332	55.923	70.41	106.825
BNGX00621	Mud	19.846	42.877	5.583	12.952	18.937	35.487	58.301	71.965	106.433
BNGX00623	Mud	19.036	51.62	4.674	11.904	19.487	41.644	71.965	90.117	135.357
BNGX00627	Mud	16.213	40.749	4.448	9.741	14.487	30.216	55.197	71.111	113.225
BNGX00630	Mud	7.509	34.913	2.572	4.172	5.513	10.419	21.066	31.21	97.09
BNGX00635	Mud	9.883	36.5	3.043	5.56	7.714	15.46	30.898	43.422	98.458
BNGX00640	Mud	11.37	41.464	3.472	6.541	9.119	18.026	34.337	46.522	96.735
BNGX00643	VF-F Sand	48.523	137.67	13.332	35.061	57.367	120.526	196.259	237.803	330.361
BNGX00647	VF-F Sand	42.077	102.638	10.911	34.548	52.208	91.305	141.054	169.516	235.006
BNGX00702	Mud	6.084	36.472	2.178	3.347	4.359	8.13	16.229	23.657	93.766
BNGX00706	Mud	25.695	77.306	6.47	18.344	27.407	54.224	97.627	127.031	216.551
BNGX00711	Mud	22.145	64.541	5.373	17.222	24.768	44.481	74.616	94.953	160.581
BNGX00712	VF-F Sand	109.547	165.307	55.745	85.825	102.661	148.116	211.254	248.268	336.1
BNGX00714	Mud	16.905	55.868	4.304	11.746	16.837	31.895	57.866	77.543	160.747
BNGX00718	Mud	10.785	45.772	3.131	6.205	8.786	17.694	34.877	49.074	144.46
BNGX00723	Mud	5.14	13.151	1.822	2.426	3.173	8.548	16.967	22.965	42.45
BNGX00727	Mud	13.15	51.958	3.36	7.561	11.621	26.341	52.043	70.533	146.901
BNGX00732	Mud	8.037	46.246	2.309	4.264	6.249	13.51	29.426	44.365	204.053

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGX00737	VF-F Sand	79.464	135.233	32.469	64.347	78.825	116.638	169.165	200.723	282.046
BNGX00741	VF-F Sand	152.743	287.293	72.316	139.813	172.13	257.145	373.901	441.813	601.058
BNGX00746	VF-F Sand	172.427	318.917	123.038	190.433	221.668	300.417	401.704	457.901	583.802
BNGX00750	VF-F Sand	214.539	292.797	131.085	179.287	206.201	275.569	364.89	413.951	521.628
BNGX00755	VF-F Sand	303.141	393.379	180.245	238.573	273.159	364.192	484.832	553.582	715.773
BNGX00758.5	Mud	10.247	51.746	2.572	5.527	8.619	21.007	46.194	65.485	151.481
BNGX00759	VF-F Sand	109.05	166.113	55.042	89.538	106.837	152.099	212.772	247.281	326.018
BNGX00764	VF-F Sand	181.389	278.784	85.232	138.409	168.899	250.916	362.131	425.449	569.639
BNGX00766	VF-F Sand	192.497	330.326	97.187	170.126	206.77	300.873	425.694	496.94	662.801
BNGX00802	VF-F Sand	102.569	152.532	50.044	74.114	89.497	133.148	196.097	233.555	323.418
BNGX00805	Mud	12.233	53.303	3.016	7.076	10.895	24.961	51.004	70.445	155.221
BNGX00808	Mud	11.594	30.737	3.5	6.597	9.243	18.733	37.351	51.55	97.368
BNGX00809	VF-F Sand	159.493	204.876	93.435	125.265	143.765	191.864	254.055	288.44	365.047
BNGX00814	VF-F Sand	171.117	257.384	79.443	125.867	153.787	229.84	334.387	394.58	532.668
BNGX00818	VF-F Sand	253.519	288.458	149.436	185.826	208.973	270.523	350.19	393.802	488.851
BNGX00823	M-C Sand	267.102	389.468	124.441	196.835	238.482	349.93	502.882	591.959	798.737
BNGX00824	VF-F Sand	152.885	178.76	85.994	109.699	124.817	165.402	219.094	249.169	317.315
BNGX00829	VF-F Sand	131.691	152.597	75.134	95.027	107.758	141.875	186.637	211.469	266.935
BNGX00832	VF-F Sand	158.311	319.822	72.151	150.623	187.571	284.452	417.689	495.832	682.845
BNGX00837	VF-F Sand	241.757	310.685	146.077	194.587	222.367	293.735	384.438	433.664	540.29
BNGX00841	VF-F Sand	153.001	231.032	74.822	119.329	143.886	209.376	298.219	348.858	463.433
BNGX00846	VF-F Sand	168.516	222.305	96.794	131.454	151.98	206.123	277.51	317.494	407.639
BNGX00850	VF-F Sand	190.778	259.306	105.173	144.957	169.227	235.343	326.359	378.984	500.977
BNGX00853	VF-F Sand	126.355	184.805	65.409	97.165	115.652	165.822	235.543	276.344	372.693
BNGX00859	VF-F Sand	167.307	244.008	81.553	122.976	148.462	218.582	315.29	370.67	496.459
BNGX00902	Mud	23.704	64.484	6.182	17.789	24.966	44.37	74.368	94.585	159.468
BNGX00906	VF-F Sand	123.492	144.293	69.841	88.589	100.638	133.161	176.506	200.941	256.956
BNGX00911	VF-F Sand	141.001	182.111	73.44	95.963	111.084	154.273	217.941	258.099	373.716
BNGX00915	VF-F Sand	162.22	189.923	91.255	116.04	132.003	175.257	233.041	265.527	339.123
BNGX00920	VF-F Sand	137.104	237.145	65.255	102.112	124.127	188.507	295.525	371.425	591.914
BNGX00923	M-C Sand	250.931	384.414	87.267	169.523	225.674	353.376	509.581	596.986	796.722
BNGX00927	VF-F Sand	211.835	255.054	113.392	147.854	170.541	233.261	318.402	366.262	471.909
BNGX00932	VF-F Sand	190.821	258.643	103.656	146.482	171.715	238.892	327.953	377.418	485.64
BNGX00937	VF-F Sand	340.779	397.643	192.991	243.708	276.881	367.332	488.002	555.479	706.434
BNGX00941	VF-F Sand	166.616	231.733	91.264	127.952	150.13	210.451	293.155	340.74	450.043
BNGX00943	VF-F Sand	165.982	219.475	95.012	128.64	148.744	202.098	273.356	313.922	407.565
BNGX00947	VF-F Sand	109.05	165.173	55.199	83.356	100.102	146.249	211.398	249.978	342.598
BNGX00952	VF-F Sand	136.572	196.986	72.719	104.68	123.684	175.65	248.643	292.063	398.4
BNGX00956	VF-F Sand	148.12	215.225	77.803	113.596	134.91	193.153	274.305	321.686	432.529
BNGX00959	VF-F Sand	124.185	245.988	47.884	109.305	143.515	225.575	328.691	385.544	511.017
BNGX00961	VF-F Sand	39.866	176.117	8.446	34.898	59.506	141.801	259.613	323.215	462.7
BNGX00963	VF-F Sand	75.062	148.921	33.572	57.005	71.458	115.12	189.261	240.64	384.334

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Table A.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>D(3,2)- Surface weighted mean</i>	<i>(4,3)- Volume weighted mean</i>	<i>d(0.05)</i>	<i>d(0.16)</i>	<i>d(0.25)</i>	<i>d(0.50)</i>	<i>d(0.75)</i>	<i>d(0.84)</i>	<i>d(0.95)</i>
BNGX00964	VF-F Sand	62.209	149.944	24.162	53.566	69.427	115.746	192.66	245.569	394.368
BNGX01002	Mud	10.737	34.476	3.193	6.057	8.539	17.607	35.447	49.06	97.057
BNGX01003	Mud	13.963	36.25	3.932	8.147	11.87	24.863	47.795	63.497	107.688
BNGX01005	VF-F Sand	107.876	150.943	62.438	87.168	101.336	138.738	188.791	217.382	284.457
BNGX01009	VF-F Sand	128.607	156.416	68.825	89.261	102.847	140.872	193.933	224.82	297.67
BNGX01014	VF-F Sand	155.738	214.991	89.855	123.517	143.145	195.473	267.063	309.1	411.805
BNGX01018	VF-F Sand	177.225	206.2	100.639	127.503	144.703	191.013	252.387	286.722	364.117
BNGX01023	VF-F Sand	176.424	240.959	91.537	128.428	151.696	216.097	305.961	358.204	479.374
BNGX01027	VF-F Sand	207.793	276.669	112.953	155.009	181.327	253.163	350.357	404.924	524.881
BNGX01034	VF-F Sand	107.542	204.449	44.963	82.743	104.953	169.012	267.512	329.623	487.021
BNGX01038	VF-F Sand	198.253	226.097	116.646	144.961	163.035	211.395	274.514	309.282	386.044
BNGX01040	VF-F Sand	171.639	221.751	101.74	135.766	155.692	207.597	274.884	312.113	394.906
BNGX01043	VF-F Sand	113.667	193.824	55.007	93.831	114.674	171.165	250.867	298.208	411.756
BNGX01047	VF-F Sand	148.43	199.148	88.627	119.557	137.513	184.66	247.055	282.423	364.154
BNGX01052	VF-F Sand	149.525	201.073	86.048	118.629	137.411	186.641	251.361	287.629	369.647
BNGX01055	VF-F Sand	260.223	362.936	124.684	195.359	233.656	332.715	463.102	536.724	705.668
BNGX01102	VF-F Sand	61.242	117.624	22.487	45.784	58.874	94.289	145.959	178.632	271.763
BNGX01103	VF-F Sand	111.547	153.22	63.826	88.432	102.903	141.222	192.167	220.975	286.831
BNGX01108	VF-F Sand	66.135	131.884	24.495	51.855	65.517	102.405	158.423	196.363	325.167
BNGX01112	VF-F Sand	80.464	130.511	41.833	60.79	72.611	106.396	158.098	191.986	292.641
BNGX01114	VF-F Sand	22.446	85.653	5.227	14.432	23.153	56.334	114.84	154.056	267.125
BNGX01118	VF-F Sand	174.187	319.424	59.238	183.368	218.759	304.052	410.597	468.225	591.55
BNGX01123	VF-F Sand	97.643	172.698	46.702	72.518	88.605	137.18	219.909	276.812	427.15
BNGX01127	Mud	19.124	57.649	4.854	12.65	18.944	37.559	67.847	88.493	151.632
BNGX01132	VF-F Sand	236.44	327.718	133.919	190.398	222.001	304.874	413.766	474.134	607.033
BNGX01137	Mud	22.162	94.281	5.571	13.819	20.557	47.877	122.868	185.48	342.799
BNGX01138	VF-F Sand	69.197	218.365	19.588	60.646	85.7	162.813	297.29	384.5	604.494
BNGX01141	Mud	16.444	85.618	3.653	9.14	15.672	47.907	106.319	143.251	270.042
BNGX01146	VF-F Sand	33.704	135.657	6.905	24.976	60.588	123.091	191.958	230.887	322.439
BNGX01147	VF-F Sand	42.374	140.064	9.816	41.082	73.91	127.457	192.625	229.998	318.469
BNGX01149	VF-F Sand	34.257	119.434	7.279	27.567	57.488	106.602	165.178	199.278	283.03
BNGX01150	VF-F Sand	44.152	142.912	10.093	50.131	77.722	130.042	195.519	232.98	320.486
BNGX01152	VF-F Sand	131.47	186.819	71.717	100.282	117.819	166.269	234.878	275.87	376.401
BNGX01153	VF-F Sand	98.008	148.55	50.88	77.906	92.983	133.539	189.571	222.27	299.886
BNGX01159	VF-F Sand	115.455	287.789	44.661	80.918	111.97	242.095	410.022	499.751	708.103
BNGX01164	VF-F Sand	104.922	169.718	51.82	80.366	97.482	145.876	217.601	261.833	372.618
BNGX01169	VF-F Sand	133.805	223.473	65.352	116.239	141.908	207.035	290.934	337.021	436.527

Appendix B

Geochemical data

Table B.1: Geochemical data from borehole samples. [Sr] concentration is given in parts per million (ppm), and oxides are given in percentage of total sample weight.

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGA00202	Mud	65.58	64.36	1.37
BNGA00205	Mud	89.67	65.13	1.5
BNGA00206	VF-F Sand	127.48	77.43	1.84
BNGA00208	VF-F Sand	138.39	78.28	1.85
BNGA00211	VF-F Sand	117	85.11	1.7
BNGA00214	VF-F Sand	147.12	78.86	2.04
BNGA00217	VF-F Sand	140.5	81.37	1.91
BNGA00220	VF-F Sand	143.86	78.24	1.9
BNGA00223	M-C Sand	122.33	83.04	1.79
BNGA00226	M-C Sand	121.76	81.68	1.62
BNGA00229	VF-F Sand	182.75	77.29	1.97
BNGA00802	Mud	82.43	59.14	1.41
BNGA00805	Mud	99.04	58.65	1.49
BNGA00808	Mud	77.63	69.54	1.51
BNGA00809	Mud	96.93	63.97	1.72
BNGA00811	VF-F Sand	99.75	61.87	1.6
BNGA00814	VF-F Sand	158.29	75.96	1.93
BNGA00817	VF-F Sand	163.17	77.99	2.08
BNGA00820	VF-F Sand	151.4	74.57	1.89
BNGA00823	M-C Sand	122.12	82.5	1.65
BNGA01402	Mud	85.84	60.1	1.57
BNGA01405	Mud	87.4	60.2	1.49
BNGA01406	VF-F Sand	136.75	79.46	1.85
BNGA01408	VF-F Sand	141.95	73.7	2.02
BNGA01411	VF-F Sand	138.62	77.13	2.02
BNGA01414	VF-F Sand	133.63	77.25	1.91
BNGA01417	VF-F Sand	143.47	75.83	2.23
BNGA01420	M-C Sand	127.77	81.03	1.77
BNGA01423	M-C Sand	104.99	83.01	1.61
BNGA01426	M-C Sand	126.16	83.52	1.73
BNGA01429	VF-F Sand	122.54	75.19	1.84
BNGA01432	VF-F Sand	133.63	78.46	1.71
BNGA02002	VF-F Sand	115.55	64.44	1.72
BNGA02003	VF-F Sand	80.4	56.96	1.37
BNGA02005	VF-F Sand	164.4	76.03	2.2
BNGA02008	VF-F Sand	169.38	73.93	2.26
BNGA02011	VF-F Sand	169.32	73.3	2.27
BNGA02014	VF-F Sand	146.81	79.28	1.89
BNGA02017	M-C Sand	138.72	78.83	1.73
BNGA02020	M-C Sand	116.95	82.52	1.71
BNGA02602	VF-F Sand	140.72	67.87	2.06
BNGA02605	VF-F Sand	148.74	79.35	1.95
BNGA02608	VF-F Sand	141.12	80.47	1.96
BNGA02611	M-C Sand	125.8	78.91	1.74
BNGA02614	VF-F Sand	174.48	74.94	2.48
BNGA02617	VF-F Sand	169.62	74.49	2.36
BNGA02620	VF-F Sand	167.58	74.32	2.42
BNGA02623	M-C Sand	126.38	82.79	1.7
BNGA02626	M-C Sand	113.57	84.44	1.63
BNGA02629	M-C Sand	137.19	82.27	1.89

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGA02632	M-C Sand	137.74	80.76	1.76
BNGA02635	M-C Sand	153.58	76.41	2.12
BNGA02638	M-C Sand	143.29	71.4	1.82
BNGA02641	M-C Sand	149.57	76.73	1.98
BNGA02643	M-C Sand	149.64	75.44	2.05
BNGA03102	VF-F Sand	157.34	73.93	2.14
BNGA03105	VF-F Sand	152.57	75.31	1.97
BNGA03108	VF-F Sand	162.15	75.07	2.22
BNGA03111	VF-F Sand	144.32	80.93	2.01
BNGA03114	VF-F Sand	189.69	73.26	2.83
BNGA03117	VF-F Sand	185.11	75.9	2.6
BNGA03120	VF-F Sand	137.69	82.39	2.01
BNGA03123	VF-F Sand	129.35	81.46	1.7
BNGA03126	VF-F Sand	141.49	80.01	2.04
BNGA03129	VF-F Sand	152.36	78.82	2.22
BNGA03132	VF-F Sand	148.85	79.04	2.03
BNGA03135	VF-F Sand	147.65	80.11	2.14
BNGA03138	VF-F Sand	134.94	82.17	1.97
BNGA03141	VF-F Sand	146.62	77.42	2.07
BNGA03144	VF-F Sand	163.59	78.11	2.44
BNGA03147	VF-F Sand	150.79	80.14	1.84
BNGA03150	VF-F Sand	154.34	81.03	2.04
BNGA03153	VF-F Sand	162.67	77.02	2.49
BNGA03155	VF-F Sand	159.29	81.81	2.08
BNGA04002	VF-F Sand	165.09	72.63	2.16
BNGA04005	VF-F Sand	162.29	76.77	2.17
BNGA04008	VF-F Sand	171.59	73.86	2.72
BNGA04011	VF-F Sand	171.19	75.87	2.39
BNGA04014	VF-F Sand	172.15	75.2	2.64
BNGA04017	VF-F Sand	138.92	80.03	1.89
BNGA04020	VF-F Sand	164.8	76.21	2.4
BNGA04023	VF-F Sand	150.44	77.27	2.01
BNGA04026	VF-F Sand	161.25	71.47	2.24
BNGA04029	VF-F Sand	157.64	76.29	2.13
BNGA04032	VF-F Sand	155.59	78.23	2.12
BNGA04035	VF-F Sand	159.58	77.12	1.88
BNGA04038	VF-F Sand	152.41	78.33	2.23
BNGA04041	VF-F Sand	160.27	78.03	2.11
BNGA04044	VF-F Sand	159.09	77.87	1.98
BNGA04047	VF-F Sand	169.04	78	2.22
BNGA04050	VF-F Sand	156.14	72.07	2.14
BNGA04052	VF-F Sand	154.41	71.79	2.14
BNGA04902	VF-F Sand	148.14	79.5	2.07
BNGA04905	VF-F Sand	157.57	75.73	2.31
BNGA04908	VF-F Sand	158.71	74.95	1.99
BNGA04911	VF-F Sand	154.46	72.89	2.03
BNGA04914	VF-F Sand	147.62	78.34	1.87
BNGA04917	M-C Sand	146.01	79.47	1.9
BNGA04920	VF-F Sand	151.7	77.76	2.02
BNGA04923	VF-F Sand	158.11	73.88	2.29
BNGA04926	M-C Sand	145.53	77.76	1.98
BNGA04930	M-C Sand	150.77	78.16	2.05
BNGA04932	M-C Sand	139.79	81.41	1.88
BNGA04935	M-C Sand	152.93	77.6	1.98
BNGA04938	VF-F Sand	158.9	77.84	1.91
BNGA04941	VF-F Sand	156.17	76.91	2.04
BNGA04944	M-C Sand	158.03	77.54	2.07
BNGA04947	M-C Sand	146.35	78.15	1.99
BNGA04950	VF-F Sand	153.97	78.69	2.05
BNGA04953	VF-F Sand	155.15	77.42	1.84
BNGA05502	Mud	167.5	65.75	2.42
BNGA05505	Mud	159.24	59.64	2.29
BNGA05508	VF-F Sand	166.1	74.29	2.37
BNGA05511	VF-F Sand	107.54	84.88	1.53
BNGA05514	VF-F Sand	145.86	82.61	2

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGA05517	VF-F Sand	167.06	77.84	2.69
BNGA05520	M-C Sand	138.09	81.08	1.83
BNGA05523	VF-F Sand	144.68	80.06	1.79
BNGA05526	VF-F Sand	149.48	75.5	2.11
BNGA05527	Mud	134.15	63.77	1.86
BNGA05529	VF-F Sand	147.43	79.83	2.06
BNGA05532	M-C Sand	163.14	74.28	2.39
BNGA05535	M-C Sand	133.94	82.57	1.85
BNGA05538	M-C Sand	142.56	80.61	1.98
BNGA05541	M-C Sand	138.64	80.35	1.75
BNGA05544	VF-F Sand	146.45	76.47	1.83
BNGA05547	VF-F Sand	145.46	76.47	1.76
BNGA05550	VF-F Sand	151	79.46	2.03
BNGA05553	M-C Sand	137.01	81.07	1.72
BNGA05556	M-C Sand	171.99	72.85	3.09
BNGA05559	Mud	110.44	61.97	1.73
BNGA05563	M-C Sand	154.73	81.48	2.02
BNGA05566	M-C Sand	156.4	79.96	2.22
BNGA05569	M-C Sand	138.69	81.86	1.75
BNGA05570	M-C Sand	130.91	84.64	1.75
BNGA06202	VF-F Sand	131.4	66.58	1.81
BNGA06205	VF-F Sand	145.81	63.03	1.89
BNGA06208	VF-F Sand	156.73	72.14	2.29
BNGA06211	VF-F Sand	144.32	67.29	1.88
BNGA06214	VF-F Sand	156.99	73.75	2.11
BNGA06217	VF-F Sand	158.11	72.22	2.36
BNGA06220	VF-F Sand	150.56	80.37	2.05
BNGA06223	VF-F Sand	157.81	74.88	2.24
BNGA06226	VF-F Sand	158.45	70.1	2.2
BNGA06229	M-C Sand	145.11	81.46	1.88
BNGA06232	M-C Sand	155.78	79.64	2.15
BNGA06235	M-C Sand	157.34	80.01	2
BNGA06238	M-C Sand	171.69	76.69	2.16
BNGA06241	M-C Sand	151.25	79.48	2.09
BNGA06244	M-C Sand	154.96	80.62	1.97
BNGA06247	M-C Sand	153.38	80.96	1.91
BNGA06250	M-C Sand	156.69	82.16	1.86
BNGA06253	M-C Sand	161.68	75.53	1.93
BNGA06256	M-C Sand	139.43	81.81	1.95
BNGA06258	M-C Sand	135.33	79.28	2.04
BNGA07002	Mud	141.32	60.54	1.98
BNGA07005	VF-F Sand	171.08	77.47	2.4
BNGA07009	VF-F Sand	150.3	81.82	1.92
BNGA07015	VF-F Sand	166.98	78.73	2.21
BNGA07018	VF-F Sand	155.77	80.32	1.99
BNGA07023	VF-F Sand	165.05	79.26	2.11
BNGA07026	M-C Sand	109.49	84.48	1.53
BNGA07029	M-C Sand	105.68	85.75	1.51
BNGA07032	M-C Sand	132.49	80.83	1.75
BNGA07035	M-C Sand	167.86	77.79	2.21
BNGA07038	M-C Sand	123.65	76.96	1.71
BNGA07041	M-C Sand	131.6	82.39	1.67
BNGA07044	M-C Sand	144.8	79.8	1.92
BNGA07047	M-C Sand	145.19	81	1.89
BNGA07050	M-C Sand	156.32	79.69	1.76
BNGA07053	M-C Sand	158.94	0	1.81
BNGA07056		163.5	80.5	1.94
BNGA07059	M-C Sand	170.44	77.54	2.1
BNGA07064	M-C Sand	170.63	78.12	2.32
BNGA07102	Mud	43.76	65	1.21
BNGA07105	Mud	41.63	63.78	1.22
BNGA07108	Mud	52.02	64.55	1.25
BNGA07111	Mud	71.41	62.96	1.34
BNGA07114	VF-F Sand	124.89	83.36	1.61
BNGA07117	VF-F Sand	159.9	79.25	1.89

Continues on next page

Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGA07120	VF-F Sand	163.78	78.49	2.09
BNGA07123	VF-F Sand	163.09	76.25	2.09
BNGA07126	VF-F Sand	162.65	78.13	1.96
BNGA07129	VF-F Sand	166.48	77.84	2.19
BNGA07132	M-C Sand	138.39	82.03	1.69
BNGA07135	M-C Sand	142.28	81.52	1.74
BNGA07138	M-C Sand	136.34	82.55	1.75
BNGA07141	M-C Sand	162	80.52	1.93
BNGA07144		164.78	74.63	1.84
BNGA07147	M-C Sand	165.95	78.98	1.89
BNGA07150	M-C Sand	150.4	80.87	1.83
BNGA07153	M-C Sand	176.24	77.28	2.16
BNGA07156	VF-F Sand	156.02	78.73	1.78
BNGA07159	VF-F Sand	148.62	78.73	1.94
BNGA07162		145.92	76.83	1.88
BNGA07165		159.12	77.76	2.11
BNGA07168		149.59	77.84	1.87
BNGA07171	M-C Sand	160.99	77.77	2.02
BNGA07174		160.6	77.21	2.03
BNGA07177		156.46	77.08	2.08
BNGA07180		122.37	81.52	1.78
BNGA07202	Mud	41.48	59.42	1.22
BNGA07205	Mud	40.76	60.5	1.18
BNGA07208	Mud	92.14	63.46	1.42
BNGA07211	M-C Sand	127.04	77.64	1.64
BNGA07214	M-C Sand	136.33	75.67	1.76
BNGA07217	M-C Sand	151.92	78.9	1.88
BNGA07220	M-C Sand	141.94	80.99	1.79
BNGA07223	M-C Sand	154.49	78.21	1.8
BNGA07226	M-C Sand	152.77	77.58	1.69
BNGA07229	M-C Sand	146.47	82.2	1.89
BNGA07232	M-C Sand	143.86	81.71	1.77
BNGA07235	M-C Sand	154.16	79.79	1.85
BNGA07238	M-C Sand	136.28	82	1.75
BNGA07244	VF-F Sand	187.46	73.27	2.13
BNGA07247	VF-F Sand	188.18	77.11	2.28
BNGA07250	VF-F Sand	156.41	73.23	1.81
BNGA07253	VF-F Sand	165.87	75.49	2.22
BNGA07256	VF-F Sand	155.81	71.68	1.84
BNGA07259	M-C Sand	148.92	79.06	1.79
BNGA07261		166.21	77.35	1.99
BNGA08302	VF-F Sand	167.81	75.35	2.28
BNGA08305	VF-F Sand	172.73	73.86	2.33
BNGA08308	VF-F Sand	168.25	77.42	2.16
BNGA08311	VF-F Sand	155.06	80.28	1.97
BNGA08314	VF-F Sand	164.5	79.33	2.09
BNGA08317	VF-F Sand	161.76	79.99	2.13
BNGA08323	VF-F Sand	162.48	76.02	2.03
BNGA08326	M-C Sand	145.85	81.9	1.77
BNGA08329	M-C Sand	152.36	81.56	1.91
BNGA08332	M-C Sand	166.27	79.25	2.02
BNGA08335	M-C Sand	165.48	79.63	2.05
BNGA08338	M-C Sand	156.98	80.76	2
BNGA08341	M-C Sand	158.21	79.17	2.09
BNGA08344		158.95	79.34	2.01
BNGA08347	VF-F Sand	150.19	75.7	1.91
BNGA08350	VF-F Sand	147.19	75.4	1.75
BNGA08353	VF-F Sand	158.38	77.2	1.98
BNGA08356	VF-F Sand	140.25	80.6	2.01
BNGA08359	M-C Sand	133.23	82.06	1.78
BNGA08365		149.17	80.12	1.95
BNGA08368		150.41	79.84	1.92
BNGA08371	M-C Sand	165.42	77.58	2.12
BNGA08374		162.06	76.59	2.05
BNGA08380		152.06	80.77	1.93

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGA08383		160.95	77.09	2.06
BNGA08386		162.76	75.62	2.18
BNGA08389		158.79	78	2.05
BNGA08802	VF-F Sand	167.73	74.47	2.28
BNGA08805	VF-F Sand	169.06	74.25	2.29
BNGA08808	VF-F Sand	173.39	76.29	2.36
BNGA08811	VF-F Sand	160.67	77.56	2.04
BNGA08814	VF-F Sand	161.9	77.63	2.02
BNGA08817	VF-F Sand	148.89	79.17	1.95
BNGA08820	VF-F Sand	155.5	80.82	2.02
BNGA08823	VF-F Sand	157.49	80.61	2.03
BNGA08826	VF-F Sand	168.58	76.07	2.14
BNGA08829	M-C Sand	161.16	80.41	1.93
BNGA08832	VF-F Sand	164.33	80.07	2.12
BNGA08835	VF-F Sand	166.85	78.94	2.15
BNGA08838	M-C Sand	128.35	82.53	1.73
BNGA08841	M-C Sand	131.78	81.59	1.75
BNGA08844	M-C Sand	146.59	80.68	1.86
BNGA08847	VF-F Sand	177.5	77.59	2.16
BNGA08850	VF-F Sand	181.11	77.41	2.24
BNGA08853	VF-F Sand	184.14	76.77	2.16
BNGA09402	Mud	126.33	58.54	1.69
BNGA09405	Mud	124.37	58.27	1.63
BNGA09406	Mud	130.42	66.95	1.85
BNGA09408	Mud	134.53	63.33	1.76
BNGA09411	Mud	41.66	61.74	1.19
BNGA09414	Mud	40.11	57.01	1.15
BNGA09417	Mud	132.07	68.16	1.65
BNGA09420	VF-F Sand	138.85	77.75	1.77
BNGA09423	VF-F Sand	134.73	75.31	1.79
BNGA09426	VF-F Sand	139.31	71.47	1.79
BNGA09429	VF-F Sand	147.61	78	1.96
BNGA09432	VF-F Sand	150.6	76.07	2.06
BNGA09435	VF-F Sand	151.43	78.44	1.8
BNGA09438	VF-F Sand	152.72	75.36	1.97
BNGA09441	M-C Sand	142.75	75.26	1.76
BNGA09444	M-C Sand	144.82	78.18	1.82
BNGA09447	M-C Sand	145.47	75.99	2.03
BNGA09450	M-C Sand	143.08	75.4	1.81
BNGA09453	M-C Sand	151.65	75.29	1.84
BNGA09456	M-C Sand	132.34	78.41	1.7
BNGA09459	M-C Sand	120.02	74.06	1.86
BNGA09702	Mud	128.6	62.11	1.71
BNGA09705		182.68	74.92	2.19
BNGA09708		181.62	74.13	2.25
BNGA09711		142.54	78.16	1.8
BNGA09714		171.36	77.52	2.15
BNGA09717		155.89	0	0
BNGA09720		161.77	79.01	1.94
BNGA09723		145.01	81.61	1.89
BNGA09726		151.88	79.92	1.92
BNGA09729	M-C Sand	167.36	78.59	2.05
BNGA09732		162	77.27	2.04
BNGA09735		147.38	76.43	1.8
BNGA09741		165.68	77.96	2.23
BNGA09744		167.51	78.64	2.19
BNGA09747		162.62	79.14	2.06
BNGA09750		153.77	79.76	1.92
BNGA09753	M-C Sand	78.7	61.55	1.34
BNGA09756		155.73	80.14	1.94
BNGA09759		171.11	77.5	2.33
BNGA09763	M-C Sand	158.39	79.38	2.06
BNGA10002	VF-F Sand	195.28	74.64	3.33
BNGA10004	VF-F Sand	151.51	62.16	2.08
BNGA10005	VF-F Sand	188.93	73.13	2.82

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGA10008	M-C Sand	180.07	74.37	2.57
BNGA10011	M-C Sand	186.65	74.15	2.63
BNGA10014	M-C Sand	175.63	75.15	2.41
BNGA10017	M-C Sand	167.22	78.59	1.92
BNGA10020	M-C Sand	168.82	76.33	1.88
BNGA10023	M-C Sand	180.33	75.63	2.45
BNGA10026	M-C Sand	170.22	74.45	2.22
BNGA10029	M-C Sand	172.19	77.97	2.17
BNGA10032	M-C Sand	149.67	81.73	2.01
BNGA10035	M-C Sand	124.73	82.76	1.81
BNGA10038	M-C Sand	172.46	76.03	2.42
BNGA10041	M-C Sand	169.63	75.17	2.33
BNGA10044	M-C Sand	168.36	76.94	1.98
BNGA10047	M-C Sand	140.38	80.83	1.82
BNGA10050	M-C Sand	129.95	81.79	1.69
BNGA10053	M-C Sand	148.52	80.22	1.99
BNGA10056	M-C Sand	164.03	76.63	1.93
BNGA10059	M-C Sand	162.11	76.97	1.84
BNGA10063	M-C Sand	174.35	73.23	1.98
BNGA10066	M-C Sand	161.65	77.15	2.07
BNGA10069	M-C Sand	158.74	76.69	2.1
BNGA10070	M-C Sand	128.63	79.21	1.85
BNGA10602	Mud	148.12	65.72	2.14
BNGA10605	VF-F Sand	165.89	69.21	2.3
BNGA10608	Mud	148.51	61.68	2.04
BNGA10611	Mud	144.29	59.01	2.04
BNGA10614	M-C Sand	177.57	74.01	2.56
BNGA10615	M-C Sand	169.25	77.21	2.13
BNGA10617	Mud	141.58	69.32	1.92
BNGA10620	VF-F Sand	177.87	76.24	2.49
BNGA10623	VF-F Sand	161.39	70.04	2.22
BNGA10626	M-C Sand	174.13	75.66	2.52
BNGA10629	M-C Sand	146.95	81.25	1.76
BNGA10632	M-C Sand	164.67	79.62	2.15
BNGA10635	VF-F Sand	170.97	78.67	2.07
BNGA10638	VF-F Sand	168.43	76.76	2.17
BNGA10641	M-C Sand	143.63	81.61	1.9
BNGA10644	VF-F Sand	168.11	78.87	1.95
BNGA10647	VF-F Sand	170.08	77.32	2.21
BNGA10650	VF-F Sand	161.74	79.53	2.06
BNGA10653	VF-F Sand	171.7	77.88	2.02
BNGA10656	VF-F Sand	173.2	77.88	2.28
BNGA10659	VF-F Sand	175.36	77.05	2.52
BNGA10663	VF-F Sand	163.26	75.7	2.07
BNGA10666	VF-F Sand	166.27	77.07	2.19
BNGA10669	VF-F Sand	158.92	77.58	2.01
BNGA10672	VF-F Sand	165.91	76.23	2.04
BNGA10675	VF-F Sand	172.31	77.53	2.18
BNGA10678	VF-F Sand	162.5	78.85	2.12
BNGA10681	VF-F Sand	168.83	77.28	2.17
BNGA10684	M-C Sand	137.93	80.11	1.84
BNGA10687	M-C Sand	164.67	77.31	1.95
BNGA10690	M-C Sand	164.97	78.2	2.07
BNGA10693	M-C Sand	161.83	78.93	2.1
BNGA10695	M-C Sand	153.19	78.36	1.94
BNGA11002	Mud	73.58	71.01	1.16
BNGA11005	Mud	100.54	59.72	1.35
BNGA11008	M-C Sand	17	101.22	1.08
BNGA11011	Mud	34.15	81.99	1.1
BNGA11014	Mud	54.67	70.59	1.24
BNGA11017	Mud	59.43	66.91	1.2
BNGA11020	Mud	54.43	65.42	1.23
BNGA11023	Mud	78.81	57.74	1.22
BNGA11027	VF-F Sand	165.65	80.24	2.3
BNGA11029	VF-F Sand	165.57	78.58	2.05

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGA11032	VF-F Sand	185.12	72.56	2.79
BNGA11035	VF-F Sand	182.44	75.89	2.08
BNGA11038	VF-F Sand	172.81	78.85	2.18
BNGA11041	M-C Sand	158.48	80.57	2
BNGA11044	M-C Sand	152.37	80.22	2.09
BNGA11047	M-C Sand	165.62	81.71	2.11
BNGA11050	M-C Sand	163.43	82.73	2.15
BNGA11053	M-C Sand	156.01	82.73	1.85
BNGA11056	M-C Sand	148.74	83.56	1.87
BNGA11059	M-C Sand	116.88	85.91	1.7
BNGA11063	M-C Sand	125.05	85.28	1.77
BNGA11402	Mud	79.87	64.48	1.13
BNGA11405	Mud	47.64	76.9	1.09
BNGA11406	VF-F Sand	28.22	68.86	1.06
BNGA11408	Mud	61.9	0	1.1
BNGA11411	Mud	99.64	60.72	1.12
BNGA11414	M-C Sand	19.61	97.76	1.06
BNGA11415	Mud	48.01	77.96	1.1
BNGA11416	Mud	17.44	101.97	1.05
BNGA11418	M-C Sand	28.23	93.63	1.08
BNGA11419	Mud	84.66	57.99	1.38
BNGA11420	Mud	65.52	59.17	1.21
BNGA11423	Mud	62.55	65.37	1.21
BNGA11426	VF-F Sand	16.39	100.33	1.07
BNGA11429	Mud	49.12	66.35	1.12
BNGA11432	Mud	83.64	60.27	1.37
BNGA11435	VF-F Sand	130.1	77.01	2.05
BNGA11438	VF-F Sand	155	74.58	2.12
BNGA11441	VF-F Sand	136.31	75.13	1.97
BNGA11444	VF-F Sand	162.08	76.41	2.14
BNGA11447	VF-F Sand	174.16	76.58	2.21
BNGA11450	VF-F Sand	156.92	80.52	1.98
BNGA11453	VF-F Sand	161	77.92	1.96
BNGA11456	M-C Sand	108.11	84.59	1.56
BNGA11459	M-C Sand	130.9	84.11	1.75
BNGA11463	M-C Sand	154.39	80.69	1.97
BNGA11902	Mud	68.8	63.13	1.09
BNGA11905	Mud	57.48	69.55	1.1
BNGA11908	Mud	42.48	83.72	1.07
BNGA11911	Mud	55.48	72.12	1.12
BNGA11914	Mud	39.02	78.41	1.1
BNGA11915	VF-F Sand	15.43	106.84	1.06
BNGA11917	Mud	46.36	77.14	1.16
BNGA11920	Mud	65.01	71.46	1.21
BNGA11923	Mud	60.22	72.21	1.26
BNGA12302	Mud	66.83	63.15	1.1
BNGA12305	Mud	64.27	67.63	1.1
BNGA12308	Mud	66.07	65.59	1.09
BNGA12311	Mud	77.9	66.26	1.09
BNGA12314	Mud	43.07	63.32	1.08
BNGA12317	M-C Sand	12.67	105.54	1.04
BNGA12320	M-C Sand	9.38	104.01	1.04
BNGA12323	Mud	44.45	68.25	1.16
BNGA12326	Mud	41.59	70.78	1.16
BNGA12329	Mud	48.51	71.88	1.14
BNGA12332	Mud	89.96	59.2	1.21
BNGA12335	Mud	92.52	59.59	1.18
BNGA12338	Mud	85.36	63.62	1.17
BNGA12341	Mud	60.17	64.8	1.14
BNGA12344	Mud	78.98	65.1	1.16
BNGA12347	Mud	62.35	65.79	1.13
BNGA12350	Mud	67.83	0	0
BNGA12353	VF-F Sand	31.9	78.27	1.1
BNGA12356	VF-F Sand	17.63	99.45	1.06
BNGA12359	Mud	54.09	66.99	1.22

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGB00102	mud	62.32	47.114713	0.309697
BNGB00111	mud	41.84	47.108756	0.272341
BNGB00114	fine sand	62.99	49.623441	0.255779
BNGB00120	fine sand	74.68	56.145325	0.285212
BNGB00124	fine sand	73.28	54.665225	0.256864
BNGB00502	mud	88.52	39.843441	0.70376
BNGB00505	mud	120.14	48.036147	1.102295
BNGB00509	fine sand	11.67	64.257519	∩ LOD
BNGB00515	mud	65.01	38.661331	0.415577
BNGB00523	fine sand	33.49	59.932638	0.13412
BNGB00527	mud	77.82	44.424925	1.200954
BNGB00530	mud	80.07	52.283319	0.379063
BNGB00537	fine sand	139.22	47.2577	1.222348
BNGB00544	mud	87.49	44.073813	1.409262
BNGB00547	mud	78.97	50.329466	0.295665
BNGB00902	mud	111.06	46.423697	0.518951
BNGB00905	mud	20.23	∩ LOD	∩ LOD
BNGB00908	mud	117.42	44.192463	0.724854
BNGB00912	mud	122	48.683081	0.797699
BNGB00914	fine sand	45.74	66.9883	0.103892
BNGB00918	medium sand	40.49	69.775363	0.079904
BNGB00920	mud	96.32	47.871516	0.918448
BNGB00921	mud	99.35	44.646022	0.381536
BNGB00925	mud	90.15	42.752509	0.25929
BNGB00927	medium sand	104.7	66.544763	0.388754
BNGB00930	medium sand	97.08	51.270534	0.551368
BNGB00935	mud	58.62	47.996484	0.186528
BNGB00937	mud	47.08	52.515963	0.442427
BNGB00941	fine sand	47.74	70.315694	0.109578
BNGB00949	medium sand	51.07	71.776006	0.11779
BNGB01302	mud	91.39	35.103088	1.086593
BNGB01305	mud	131.04	54.792931	0.943095
BNGB01309	mud	102.43	49.367697	0.445004
BNGB01311	fine sand	104.52	33.943706	1.285407
BNGB01314	fine sand	123.48	54.432994	0.759435
BNGB01315	fine sand	110.26	38.012484	1.054638
BNGB01317	fine sand	107.26	54.297956	1.25672
BNGB01320	fine sand	51.78	69.017531	0.185906
BNGB01323	fine sand	114.47	41.2177	0.958452
BNGB01326	fine sand	127.54	50.4775	0.977067
BNGB01330	fine sand	94.74	69.846775	0.430166
BNGB01337	fine sand	120.12	70.3881	0.730683
BNGB01341	mud	90.08	44.146878	0.327061
BNGB01350	mud	90.9	46.258084	0.292752
BNGB01356	fine sand	50.53	72.200306	0.123989
BNGB01702	fine sand	121.42	42.127791	1.359878
BNGB01705	fine sand	142.53	54.299069	1.259415
BNGB01709	mud	139.95	51.620997	1.487887
BNGB01712	mud	106.48	37.11305	1.05863
BNGB01714	medium sand	104.9	59.595019	0.799005
BNGB01717	mud	116.51	42.158753	1.215
BNGB01718	mud	126.96	47.005563	1.430865
BNGB01721	medium sand	112.42	44.090941	1.098347
BNGB01724	medium sand	29.35	53.690494	0.282283
BNGB01726	medium sand	35.4	43.821309	0.245817
BNGB01729	mud	117.19	46.011922	1.560382
BNGB01732	mud	123.81	45.704103	1.919637
BNGB01735	medium sand	75.87	52.165894	0.447042
BNGB017375	mud	116.23	46.761775	0.797154
BNGB01738	medium sand	92.13	51.081913	0.489439
BNGB01743	medium sand	103.95	47.800594	0.669595
BNGB01750	medium sand	72.94	40.776872	0.356458
BNGB01758	medium sand	68.13	43.739359	0.447032
BNGB01763	medium sand	75.72	50.586559	0.465017
BNGB01770	medium sand	89.33	47.918619	0.709669

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGB01778	medium sand	69.95	49.568878	0.308453
BNGB01782	medium sand	77.44	51.592719	0.330148
BNGB01785	medium sand	87.26	48.8574	0.735325
BNGB02103	mud	124.84	51.082328	1.827065
BNGB02108	mud	112.02	51.760644	1.023605
BNGB02112	mud	120.98	54.3286	1.068311
BNGB02115	mud	131.35	51.340625	1.329451
BNGB02117	mud	127.41	52.259619	1.250859
BNGB02123	fine sand	129.18	58.31725	1.296294
BNGB02126	fine sand	156.79	54.173044	1.50084
BNGB02129	mud	93.57	28.963397	1.139855
BNGB02132	fine sand	143.1	49.794022	0.961562
BNGB02135	mud	124.05	47.623228	1.14302
BNGB02141	mud	59.55	58.126288	0.31499
BNGB02144	mud	86.84	53.096144	0.625838
BNGB02146	medium sand	53.18	62.580031	0.117683
BNGB02147	mud	95.34	37.654275	1.64701
BNGB02155	fine sand	63.09	53.076656	0.194542
BNGB02163	fine sand	67.16	50.619813	0.402604
BNGB02169	fine sand	69.3	53.589981	0.282173
BNGB02502		86.17	38.992119	0.695998
BNGB02505	fine sand	150.43	52.85855	1.858225
BNGB02509	fine sand	140.21	66.092644	1.094665
BNGB02514	fine sand	152.98		
BNGB02518	fine sand	161.46	66.673356	1.330875
BNGB02524	mud	120.46	47.251331	0.769114
BNGB02529	medium sand	116.08	44.671269	0.726263
BNGB02534	medium sand	108.46	58.921669	0.920892
BNGB02537	mud	117.96	46.377919	0.722789
BNGB02538	mud	65.9	46.47495	0.100927
BNGB02543	medium sand	63.94	65.720238	0.146543
BNGB02549	fine sand	85.25	63.823744	0.318191
BNGB02558	medium sand	67.88	64.935119	0.161974
BNGB02564	fine sand	77.17	70.991081	0.287674
BNGB02572	medium sand	63.79	67.970438	0.166007
BNGB02579	fine sand	85.5	69.663269	0.348544
BNGB02903	mud	118.52	47.560263	1.105377
BNGB02908	mud	115.95	41.70355	1.316822
BNGB02911	fine sand	146.9	54.739056	1.323614
BNGB02915	mud	113.03	31.213947	1.187396
BNGB02917	fine sand	138.46	41.382316	1.453399
BNGB02922	mud	95.23	32.434106	1.018079
BNGB02926	fine sand	138.76	53.143088	1.014051
BNGB02930	fine sand	152.89	49.581247	1.036815
BNGB02935	medium sand	105.38	47.850475	1.16947
BNGB02940	mud	125.63	47.578444	2.287893
BNGB02943	medium sand	44.84	53.159038	0.27721
BNGB029435	mud	61.35	49.580313	0.400191
BNGB02946	mud	82.67	45.350763	1.94204
BNGB02952	medium sand	68.71	53.351231	0.50945
BNGB02961	medium sand	54.5	49.390538	0.301149
BNGB02972	medium sand	61.59	50.503394	0.305784
BNGB03502		147.05	40.758244	1.285772
BNGB03505	mud	149.38	45.911166	1.804448
BNGB03506	fine sand	154.49	42.729638	1.782913
BNGB03511	medium sand	135.63	46.620384	0.84665
BNGB03517	medium sand	162.5	52.465975	1.515568
BNGB03521	medium sand	130.68	42.096172	1.128789
BNGB03526	medium sand	138	42.536403	1.141435
BNGB03529	medium sand	145.35	52.897588	1.336805
BNGB03534	medium sand	125.9	41.403781	1.218393
BNGB03537	medium sand	141.2	50.483031	1.117417
BNGB03541	medium sand	141.42	49.371613	1.173749
BNGB03543	mud	118.34	47.561356	1.152738
BNGB03546	medium sand	89.23	48.260916	0.74948

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<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGB03550	medium sand	110.47	43.972809	0.760083
BNGB03555	medium sand	128.02	48.232647	1.095203
BNGB03558	mud	123.02	46.900034	1.202969
BNGB03564	medium sand	45.44	54.74095	0.179408
BNGB03572	medium sand	83.48	53.450606	0.088688
BNGB03576	medium sand	59.92	51.146316	0.359036
BNGB03578	mud	69.74	47.278166	0.274227
BNGB03902	mud	130.14	44.975663	1.176931
BNGB03903	fine sand	164.79	58.339969	1.384371
BNGB03908	medium sand	164.7	56.583219	1.0967
BNGB03912	medium sand	168.42	52.836581	1.114268
BNGB03917	medium sand	144.22	33.593384	0.99824
BNGB03921	medium sand	170.35	55.921431	1.495847
BNGB03926	medium sand	149.6	55.239544	0.914005
BNGB03929	medium sand	161.72	57.619263	1.047867
BNGB03934	mud	134.54	46.099334	1.057743
BNGB03936	mud	123.6	44.365888	0.83373
BNGB03937	medium sand	63.48	70.041738	0.170265
BNGB03941	mud	119.99	42.099791	0.79794
BNGB03946	mud	139.46	51.480228	1.571526
BNGB03953	mud	128.85	46.454403	1.905732
BNGB03959	mud	133.6	45.035447	0.960908
BNGB03964	medium sand	54.43	70.505106	0.095158
BNGB03967	mud	93.9	55.298738	0.358345
BNGB04302	mud	84.55	24.974094	0.849779
BNGB04303	fine sand	169.04	47.166747	1.316758
BNGB04308	medium sand	161.15	48.100291	1.080864
BNGB04314	medium sand	149.2	47.692306	1.029288
BNGB04317	medium sand	142.91	50.170319	1.243946
BNGB04320	medium sand	163.27	52.276703	1.178278
BNGB04323	medium sand	163.46	52.132103	1.838346
BNGB04327	medium sand	116.33	57.042863	0.716462
BNGB04330	medium sand	99.7		
BNGB04335	medium sand	88.5	52.395478	0.667208
BNGB04338	medium sand	60.03	53.640744	0.597017
BNGB04340	mud	134.08	45.004684	2.198528
BNGB04344	medium sand	48.79	56.514838	0.310083
BNGB04349	fine sand	58.99	40.206431	0.311132
BNGB04352	fine sand	75.99	38.871088	0.455606
BNGB04358	medium sand	72.96	40.910141	0.322508
BNGB043635	mud	75.74	39.045944	0.265843
BNGB04370	medium sand	71.23	50.264259	0.314268
BNGB04378	medium sand	77.03	46.250422	0.459876
BNGB04703	medium sand	167.73	60.146038	1.106904
BNGB04708	medium sand	148.14	36.494334	1.132746
BNGB04712	medium sand	160.72	39.502241	1.453664
BNGB04717	medium sand	169.82	60.384394	1.346251
BNGB04720	medium sand	145.09	39.2779	1.501494
BNGB04726	medium sand	164.44	62.415425	1.105285
BNGB04730	medium sand	141.23	65.19245	0.80469
BNGB04735	medium sand	146.32	62.942906	0.90454
BNGB04741	medium sand	148.32	63.970156	0.86916
BNGB04746	medium sand	72.66	61.024269	0.291985
BNGB04764	fine sand	70.12	66.503238	0.213378
BNGB04778	fine sand	58.25	68.250163	0.124124
BNGB04902	mud	53.62	50.122478	0.544863
BNGB04905	mud	123.61	38.726297	3.353587
BNGB04909	mud	64.18	45.458972	1.056212
BNGB04912	medium sand	86.68	50.305125	0.287983
BNGB04914	mud	91.14	38.740266	0.377727
BNGB04915	medium sand	75.38	55.734938	0.555988
BNGB05706	mud	98		
BNGB05712	mud	45.05	49.894906	0.078417
BNGB05715	medium sand	60.53	49.104334	0.244104
BNGB05717	medium sand	65.69	49.935159	0.285713

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<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGB05720	medium sand	69.43	51.703188	0.106248
BNGB05723	medium sand	89.2	46.920509	0.538802
BNGB05726	medium sand	88.44	50.462069	0.485427
BNGB05729	medium sand	107.98	44.933709	0.594456
BNGB05735	medium sand	65.07	38.159722	0.603128
BNGB05743	mud	53.82	41.094091	0.300975
BNGB05749	fine sand	72.37	42.1665	0.522787
BNGB05759	medium sand	106.81	45.195438	0.284399
BNGB05903	fine sand	156.63	48.021953	1.42906
BNGB05908	medium sand	133.07	37.343422	1.330292
BNGB05914	medium sand	148.5	49.367422	0.913179
BNGB05918	mud	69.12	45.858016	0.439103
BNGB05920	mud	155.39	52.993881	1.661736
BNGB05924	mud	71.72	41.380013	0.614933
BNGB05926	fine sand	74.82	41.813603	0.570119
BNGB05932	fine sand	72.83	45.894041	0.589002
BNGB05937	medium sand	54.29	45.230594	0.392736
BNGB05946	medium sand	58.25	47.629238	0.300125
BNGB05949		63.78	45.029306	0.390715
BNGB05952	medium sand	64.47	45.300244	0.395029
BNGB05958	medium sand	70.8	47.582972	0.384186
BNGB05967	medium sand	39.98	46.566328	0.427134
BNGB05973	medium sand	45.73	49.262991	0.178521
BNGB06302	mud	140.23	51.6427	1.364698
BNGB06306	medium sand	182	56.966688	1.358918
BNGB06312	medium sand	162.17	49.2795	0.86127
BNGB06317	medium sand	168.08	49.805347	1.645955
BNGB06321	medium sand	167.25	48.943388	1.428638
BNGB06326	medium sand	127.47	60.34175	0.526081
BNGB06329	medium sand	142.54	52.031559	1.050887
BNGB06332	mud	113.35	47.106728	0.671191
BNGB06338	medium sand	78.43	65.126306	0.227588
BNGB06343	mud	83.4	48.443369	0.231087
BNGB06349	mud	76.04	56.9705	0.240155
BNGB06350	mud	77.68	48.015556	0.20024
BNGB06355	medium sand	96.48	65.593575	0.426039
BNGB06361	medium sand	87.65	66.908569	0.296022
BNGB06365	mud	79.03	47.883375	0.225102
BNGB06703	mud	124.74	41.938913	1.16899
BNGB06706	fine sand	168.02	50.030347	1.409903
BNGB06709	fine sand	127.84	36.648569	1.06661
BNGB06712	fine sand	164.85	51.685141	1.445368
BNGB06717	mud	106.75	52.618013	0.819344
BNGB06720	mud	80	38.728881	0.76392
BNGB06724	mud	96.92	48.746288	0.623581
BNGB06729	mud	101.32	50.064041	1.5956
BNGB06732	fine sand	93.98	56.862288	0.894283
BNGB06737	medium sand	96.75	56.092513	0.530856
BNGB06740	mud	114.06	40.341091	0.914814
BNGB06741	fine sand	107.62	45.350609	0.836861
BNGB06743	fine sand	104.88	44.002797	0.829225
BNGB06747	medium sand	105.99	47.326147	0.780621
BNGB06753	medium sand	94.79	43.017884	0.604848
BNGB06758	medium sand	96.44	43.997081	0.595932
BNGB06761	mud	89.01	51.907381	0.540558
BNGB07103	medium sand	75.65	54.267175	0.332054
BNGB07106	mud	42.17	47.335894	0.095699
BNGB07109	medium sand	71.11	45.587222	0.30082
BNGB07111	medium sand	78.25	39.433513	0.342429
BNGB07114	mud	100.45	33.39435	4.096514
BNGB07118	mud	93.18	45.210956	0.661667
BNGB07124	mud	110.22	37.730206	3.153814
BNGB07129	mud	127.62	43.479903	0.92637
BNGB07132	medium sand	120.48	45.067375	0.834893
BNGB07503	mud	113.93	49.057191	1.775154

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGB07512	mud	72.06	46.250338	0.669642
BNGB07518	fine sand	103.26	50.1504	0.574574
BNGB07523	fine sand	97.04	49.471616	0.525342
BNGB07524	medium sand	78.57	50.447497	0.41047
BNGB07527	mud	79.01	51.3926	0.432089
BNGB07530	mud	97.61	48.096297	0.672118
BNGB07535	mud	105.35	47.214309	0.756857
BNGB07538	medium sand	64.4	57.218456	0.293352
BNGB07546	fine sand	73.65	54.19265	0.318644
BNGB07550	medium sand	143.95	44.572831	0.863972
BNGB07555	mud	51.33	50.694797	0.676267
BNGB07558	fine sand	71	54.392869	0.196957
BNGB07567	fine sand	88.64	49.539047	0.310409
BNGB07573	fine sand	94.9	48.869113	0.683127
BNGB07903	mud	150.62	49.316238	1.230259
BNGB07906	medium sand	127.13	67.001956	0.734431
BNGB07909	mud	122.6		
BNGB07914	mud	99.47	47.491019	0.446575
BNGB07918	mud	108.82	30.20435	3.440254
BNGB07923	mud	66.34	53.499188	0.218312
BNGB07926	mud	102.09	51.779603	0.692853
BNGB07930	fine sand	119.82	48.878197	0.691869
BNGB07934	fine sand	108.82	64.889819	0.533287
BNGB07937.5	mud	63.04	39.771022	0.481237
BNGB07938	fine sand	99.1	68.340569	0.450693
BNGB07939	mud	71.13	46.537072	0.48493
BNGB07941	fine sand	104.37	69.447913	0.590742
BNGB07943.5	mud	88.11	46.300809	0.426957
BNGB07946	mud	109.3	59.565688	0.547892
BNGB07949	mud	102.34	52.579231	0.511818
BNGB07952	medium sand	117.53	67.692425	0.5861
BNGB07953	mud	94.83	49.769069	0.44193
BNGB07956	medium sand	42.12	58.119756	0.090418
BNGB07959	medium sand	62.32	56.059575	0.228522
BNGB07961	medium sand	50.34	55.901069	0.250357
BNGB07966	medium sand	69.55	74.852844	0.160315
BNGB07972	fine sand	95.67	66.659075	0.293766
BNGB07975	fine sand	96.97	49.862347	0.356964
BNGB07982	fine sand	85.02	71.142744	0.302467
BNGB08205	mud	104.37	50.593006	0.640885
BNGB08209	mud	43.56	47.222141	0.078849
BNGB08214	fine sand	81.09	41.756616	0.453796
BNGB08218	medium sand	103.13	48.388778	0.518456
BNGB08224	medium sand	129.27	43.627056	0.980675
BNGB08229	medium sand	145.11	40.031213	1.429223
BNGB08235	medium sand	154.69	44.722503	0.654188
BNGB08238	mud	133.83	46.292541	1.032411
BNGB08240	fine sand	155.35	42.963806	1.291812
BNGB08243	fine sand	128.24	44.955297	0.796443
BNGB08247	medium sand	76.5	54.343694	0.230877
BNGB08252	medium sand	90.31	51.227328	0.381599
BNGB08255	medium sand	106.95	50.114306	0.550386
BNGB082585	mud	78.26	43.053681	1.145962
BNGB08506	mud	37.96	20.940056	0.562918
BNGB08509	mud	124.84	45.958713	0.56398
BNGB08515	fine sand	136.56	41.112556	0.854128
BNGB08521	medium sand	164.51	47.156675	1.373875
BNGB08530	medium sand	111.7	47.858531	0.682345
BNGB08541	medium sand	150.86	53.365788	0.794055
BNGB08546	medium sand	134.51	50.361859	0.886181
BNGB08550	fine sand	135.88	54.166888	0.774413
BNGB08552	fine sand	157.97	43.689716	1.457711
BNGB08553	fine sand	149.56	41.969819	0.91263
BNGB08556	medium sand	126.94	53.045144	0.707273
BNGB08561	medium sand	125.34	50.776897	1.15821

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGB08566	medium sand	105.78	54.457338	0.515057
BNGB08570	medium sand	107.37	53.616963	0.753699
BNGB08578	medium sand	108.68	52.874438	0.818147
BNGB09003	mud	107.07	45.233888	0.776758
BNGB09008	mud	105.97	51.107128	0.808055
BNGB09014	mud	103.34		
BNGB09020	mud	96.32		
BNGB09032	mud	86.46	50.776134	0.857815
BNGB09035	medium sand	109.38	45.311294	0.583442
BNGB09037	medium sand	132.09	48.993978	0.812288
BNGB09038	medium sand	144.03	49.249984	0.777273
BNGB09406	mud	46.39	51.234322	0.130842
BNGB09409	mud	91.95	49.664063	0.455018
BNGB09414	mud	79.48	50.384969	0.346311
BNGB09420	mud	97.69	52.243963	0.481248
BNGB09429	mud	78.59	46.2112	0.388739
BNGB09434	mud	39.19	48.863478	0.047735
BNGB09438	fine sand	57.81		
BNGB09441	fine sand	54.49	50.090919	0.111429
BNGB09444	medium sand	81.13	67.764681	0.232634
BNGB09446	fine sand	77.34	48.908931	0.304934
BNGB09449	fine sand	80.36	46.089884	0.322281
BNGB09453	fine sand	102.83	66.360956	0.372164
BNGB09458	fine sand	103.59	46.354075	0.535362
BNGB09464	fine sand	95.14	67.102806	0.28604
BNGB09803	mud	43.51	40.6439	0.325266
BNGB09806	mud	49.73	42.887444	0.097348
BNGB09809	mud	90.22	49.756644	0.530911
BNGB09814	mud	105.9	41.071584	0.844353
BNGB09818	mud	91.43	38.146647	0.558578
BNGB09821	mud	99.62	43.09805	1.866548
BNGB09826	mud	70.75	38.789019	1.231474
BNGC00103	mud	86.02	51.944069	0.172748
BNGC00105	fine sand	66.19	70.732744	0.142484
BNGC00108.5	mud	81.08	45.945663	0.090198
BNGC00116A	mud	79.27	67.767031	0.202816
BNGC00117	mud	79.31	49.880491	0.101092
BNGC00123	medium sand	29.03	74.934744	0
BNGC00126	mud	63.25	52.965256	0.14904
BNGC00127	fine sand	56.75	59.918325	0.094555
BNGC00133	mud	51.37	54.617269	0.109515
BNGC00146	fine sand	55.3	59.3607	0.090928
BNGC00503	mud	80.64	49.892216	0.663265
BNGC00511	mud	106.2	51.230666	0.715449
BNGC00518	mud	89.88	52.473063	0.262068
BNGC00524	medium sand	23.05	56.119325	0
BNGC00532	medium sand	70.39	54.653431	0.336933
BNGC00534	medium sand	67.14	45.653291	0.38016
BNGC00540	fine sand	92.56	43.409194	0.510389
BNGC00543	fine sand	91.67	45.787947	0.487633
BNGC00544	fine sand	114.72	44.729997	0.914142
BNGC00546	medium sand	107.39	40.840822	0.540358
BNGC00550	fine sand	111.76	44.207869	0.828654
BNGC005525	medium sand	42.46	37.427716	0.106515
BNGC00555	mud	108.79	24.217608	1.531679
BNGC00903	mud	87.6	52.262188	0.294303
BNGC00909	mud	85.69	47.417397	0.133304
BNGC00911	mud	89.33	48.049003	0.242769
BNGC00914	mud	95.11	51.795225	0.34631
BNGC00917	fine sand	70.16	67.838844	0.168308
BNGC00920	medium sand	55.24	72.749344	0.07223
BNGC00924	fine sand	54.25	56.745225	0.14354
BNGC00926	fine sand	48.04	53.281719	0.061482
BNGC00934	fine sand	75.19	52.228028	0.232106
BNGC00940	fine sand	86.35	65.423944	0.303742

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGC00943	fine sand	86.3	64.848844	0.366828
BNGC00947	fine sand	69.59	64.394081	0.185008
BNGC00953	mud	83.9	51.751822	0.266637
BNGC00956	fine sand	125.86	65.718481	0.54544
BNGC01311	mud	60.38	38.276038	0.065094
BNGC01314	fine sand	106.63	44.796178	0.609642
BNGC01318	fine sand	133.99	49.174503	0.69495
BNGC01323	medium sand	121.76	43.786888	0.614692
BNGC01330	fine sand	149.02	44.463828	0.860221
BNGC01335	medium sand	146.87	40.776478	0.802699
BNGC01340	fine sand	148.88	46.691994	1.002122
BNGC01341	medium sand	147.55	40.906913	1.090094
BNGC01344	medium sand	148.6	46.918144	1.148801
BNGC01347	fine sand	152.04	41.991853	1.184497
BNGC01350	fine sand	169.14	46.1529	1.070084
BNGC01359	medium sand	151.17	53.347144	1.048176
BNGC01364	mud	69.22	39.262525	1.69992
BNGC01375	medium sand	133.91	45.281413	0.818443
BNGC01703	fine sand	68.63	49.204956	0.295593
BNGC01711	mud	114.49	50.037316	1.140708
BNGC01714	medium sand	68.15	54.535594	0.492908
BNGC01720	medium sand	69.41	45.200194	0.379333
BNGC01721	medium sand	82.04	42.104213	0.38999
BNGC01726	fine sand	109.22	42.9191	0.848124
BNGC01732	medium sand	91.85	41.413441	0.60723
BNGC01738	fine sand	95.08	40.505663	0.752647
BNGC01745	mud	87.03	47.239756	0.498567
BNGC01747	fine sand	84.97	45.316941	0.399075
BNGC01755	fine sand	99.3	44.546016	0.443634
BNGC01758	fine sand	99.68	40.608722	0.776126
BNGC01767	fine sand	116.72	37.693934	0.918767
BNGC02102	mud	104.81	41.738284	0.999433
BNGC02106	mud	127.47	52.723594	1.19442
BNGC02111	fine sand	146.5	41.243647	0.808992
BNGC02114	fine sand	126.64	47.283716	1.160821
BNGC02118	fine sand	135.13	55.373875	1.261319
BNGC02121	medium sand	74.7	49.016406	0.965958
BNGC02126	medium sand	62.24	74.449813	0.236658
BNGC02134	mud	124.95	47.362053	1.1429
BNGC02143	medium sand	53.14	65.343656	0.230102
BNGC02146	fine sand	124.51	51.803931	1.086035
BNGC02147	medium sand	31.24	75.394569	
BNGC02155	fine sand	61.73	40.965419	0.309421
BNGC02162	mud	72.3	49.089575	0.212025
BNGC02167	fine sand	70.71	65.998	0.291366
BNGC02173	fine sand	73.61	68.397844	0.480256
BNGC02191	fine sand	77.85	66.903563	0.337175
BNGC02503	mud	106.45	40.502613	0.725611
BNGC02506	fine sand	139.41	44.690947	1.100234
BNGC02509	fine sand	123.71	47.944625	1.045141
BNGC02514	fine sand	158.14	52.140581	1.755969
BNGC02518	fine sand	118.28	50.576884	0.639115
BNGC025205	fine sand	66.26	47.694431	0.435737
BNGC025235	mud	128.73	42.287625	1.60801
BNGC02527	medium sand	55.67	53.6882	0.216284
BNGC02534	medium sand	119.12	39.691756	0.988854
BNGC02538	mud	138.9	49.874784	1.369254
BNGC02544	mud	65.14	53.640469	0.458871
BNGC02549	fine sand	70.19	53.986931	0.334107
BNGC025525	mud	81.71	54.606131	0.368501
BNGC02561	fine sand	67.41	54.364381	0.27745
BNGC02564	medium sand	72.8	56.655475	0.307115
BNGC02568	mud	77.3		
BNGC02570	medium sand	61.68	53.490963	0.256354
BNGC02903	mud	124.68	54.423706	1.12105

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGC02905	fine sand	135.92	47.927172	1.205693
BNGC02908	fine sand	124.97	41.836266	1.210182
BNGC02909	fine sand	133	48.806247	1.174352
BNGC02914	fine sand	120.9	45.51075	1.304758
BNGC02915	fine sand	139.4	40.473806	1.693268
BNGC02916	mud	132.41	44.974081	1.233231
BNGC02917	fine sand	125.8	41.008178	1.343412
BNGC02918	fine sand	110.72	51.035581	1.023044
BNGC02921	fine sand	104.27	67.1651	0.750004
BNGC02923	mud	119.91	51.728191	1.17134
BNGC02926	fine sand	82.6	56.598144	0.519127
BNGC02929	fine sand	108	42.951244	0.98943
BNGC02932	mud	117.92	46.976475	0.931144
BNGC02935	fine sand	131.01	47.743988	1.115894
BNGC02937	mud	127.89	51.366956	1.307113
BNGC029375	mud	123.58	48.739359	1.081812
BNGC02938	fine sand	77.59	56.826588	0.56017
BNGC02941	mud	120.51	45.880094	1.973568
BNGC02946	mud	116.49	46.949359	1.001759
BNGC02947	medium sand	69.59	68.489138	0.377943
BNGC02948	medium sand	92.05	53.560881	0.44771
BNGC02952	fine sand	124.41	66.266381	0.876995
BNGC02953	fine sand	100.99	51.496456	0.857889
BNGC02955	fine sand	115.3	51.733859	0.677347
BNGC02958	mud	98.27	39.546256	1.789938
BNGC02961	medium sand	59.93	53.794294	0.220841
BNGC02962	mud	86.14	45.877288	0.278125
BNGC02963	medium sand	61.55	71.767838	0.247716
BNGC02965	medium sand	39.83	52.254644	0.237013
BNGC02967	medium sand	65.9	60.086438	0.41669
BNGC03303	fine sand	140.04	50.273581	1.217093
BNGC03308	fine sand	134.43	54.361069	1.227416
BNGC03314	fine sand	136.03	49.118028	1.116588
BNGC03318	fine sand	115.7	56.405844	0.641465
BNGC03323	mud	124.35	46.683378	1.200449
BNGC03334	mud	124.14	45.172031	1.085196
BNGC03337	mud	110.17	50.594756	0.850435
BNGC03346	mud	126.75	46.564213	2.328741
BNGC03349	medium sand	87.65	51.858938	0.633652
BNGC03350	medium sand	68.06	50.368931	0.603496
BNGC03353	fine sand	92.53	48.181963	0.872873
BNGC03356	medium sand	96.67	43.374916	0.853823
BNGC03363	medium sand	52.53	43.243284	0.482828
BNGC03364	medium sand	69.42	45.559772	0.514427
BNGC03369	fine sand	76.86	45.608438	0.456485
BNGC03372	medium sand	87.19	46.305138	0.767534
BNGC03378	fine sand	96.94	44.682606	0.857235
BNGC03382	fine sand	86.53	53.718731	0.503691
BNGC03702		132.76	55.188806	1.319643
BNGC03705	mud	115.49	48.29825	0.997565
BNGC03708	fine sand	135.23	40.863031	0.987016
BNGC03711	fine sand	145.11	47.981981	1.20408
BNGC03712	mud	126.74	46.036831	1.438845
BNGC03715	fine sand	143.95	59.032731	1.233449
BNGC03720	mud	130.97	46.620697	0.960713
BNGC03724	fine sand	142.19	62.279206	1.100023
BNGC03727	mud	117.26	32.010769	0.951741
BNGC03730	medium sand	116.77	69.599131	1.37642
BNGC03734	fine sand	99.72	55.981519	0.565656
BNGC03741	mud	116.75	47.623119	0.988201
BNGC03747	mud	114.99	46.747994	0.963393
BNGC03749	medium sand	111.13	48.9384	0.946994
BNGC03751	medium sand	82.69	72.348819	0.461491
BNGC03756	medium sand	65.54	77.100031	0.275664
BNGC037585	fine sand	80.87	50.956316	0.490287

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGC03759	mud	88.4	54.412269	0.404408
BNGC03762	fine sand	83.67	50.98745	0.728581
BNGC03769	mud	93.83	50.634472	0.532881
BNGC04102	mud	103.75	40.685556	0.953508
BNGC04105	mud	123.5	48.070556	1.764846
BNGC04109	fine sand	135.09	48.844366	0.939104
BNGC04115	fine sand	138.59	52.014378	1.160931
BNGC04118	mud	108.95	47.061578	0.855909
BNGC04123	fine sand	143.29	48.850778	1.233382
BNGC04126	fine sand	143.18	46.985559	1.391827
BNGC04127	mud	132.36	51.577675	1.264976
BNGC04137	mud	102.25	43.195188	0.586839
BNGC04143	fine sand	127.47	42.93605	1.206708
BNGC04146	fine sand	136.55	46.7001	1.226345
BNGC04146.5		110.2	36.558188	1.123321
BNGC04147	mud	86.85	31.336684	0.909456
BNGC04149	mud	80.25	48.882322	0.366023
BNGC04150	medium sand	82.71	46.873103	0.80515
BNGC04152	medium sand	105.19	46.006528	1.134753
BNGC04153	mud	63.05	36.525281	0.271378
BNGC04154	medium sand	64.74	54.619938	0.353467
BNGC04163	mud	84.7	42.655819	0.71137
BNGC04166	fine sand	68.33	53.878119	0.318594
BNGC04170	medium sand	69.93	47.872359	0.662495
BNGC04502	mud	124.19	44.07625	1.184626
BNGC04505	mud	120.19	42.175534	1.22196
BNGC04511	fine sand	138.9	55.0654	1.153434
BNGC04517	fine sand	148.56	48.631666	1.262006
BNGC04521	fine sand	159.26	47.383644	1.26655
BNGC04524	mud	141.92	40.637441	1.31286
BNGC04526	fine sand	147.45	49.174191	1.365072
BNGC04527	mud	152.14	44.195947	1.788371
BNGC04530	fine sand	123.05	41.4275	0.963457
BNGC04534	medium sand	94.54	55.867044	0.363329
BNGC04535	mud	109.84	46.397216	0.959665
BNGC04537	fine sand	155.51	48.822622	1.249678
BNGC04538	mud	109.73	48.018903	0.822831
BNGC04541	medium sand	64.06	54.928969	0.339803
BNGC04543	medium sand	85.68	47.052256	0.491633
BNGC04546	mud	109.38	44.371863	1.600051
BNGC04552	mud	84.62	42.462875	1.54934
BNGC04555	mud	95.32	42.781934	1.543678
BNGC04558	mud	93.54	48.831013	0.576434
BNGC04564	mud	83.78	49.379222	0.42752
BNGC04903	mud	101.41	47.417638	0.653658
BNGC04908	mud	124.28	46.541525	1.167748
BNGC04912	fine sand	146.11	59.697763	1.185958
BNGC04918	mud	130.43	46.095728	1.208443
BNGC04921	fine sand	151.61	44.903675	1.508521
BNGC04926	fine sand	129.29	66.933231	1.033933
BNGC04927	mud	120.56	42.756291	1.585273
BNGC04930	fine sand	115.16	44.478613	1.380489
BNGC04932	mud	129.68	45.129481	1.449642
BNGC04935	mud	111.98	44.00295	0.926744
BNGC04940	mud	107.44	46.455972	0.709088
BNGC04944	mud	129.46	41.621409	1.109564
BNGC04947	fine sand	153.03	63.230919	1.639238
BNGC04952	fine sand	103.84	45.974347	0.642316
BNGC04955	mud	88.73	39.906372	1.620925
BNGC04956	mud	73.15	38.803941	0.207952
BNGC04961	mud	80.52	42.601409	0.302885
BNGC04964	mud	77.52	49.401775	0.513557
BNGC05303	fine sand	129.9	51.938853	1.596556
BNGC05305	mud	152.14		
BNGC05309	fine sand	153.78	50.47185	1.699221

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGC05312	fine sand	164.05	51.501203	1.484903
BNGC05317	fine sand	157.08	52.661256	1.194444
BNGC05320	mud	113.54	38.935375	1.065412
BNGC05324	fine sand	165.61	51.160888	1.462798
BNGC05330	medium sand	114.02	54.145338	0.869357
BNGC05335	mud	144.88	47.331234	1.31676
BNGC05338	mud	85.63	46.073119	0.841009
BNGC05340	mud	113.13	50.001434	1.09714
BNGC05347	mud	107.81	47.105509	0.869242
BNGC05352	mud	107.61	48.352784	0.801937
BNGC05364	mud	70.79	48.499628	0.584646
BNGC05367	mud	80.41	50.336128	0.384848
BNGC05703	mud	140.73	50.829869	1.62753
BNGC05708	mud	132.48	47.433619	1.549123
BNGC05712	mud	120.16	41.155272	1.445614
BNGC05718	mud	139.43	48.659497	1.762869
BNGC05721	fine sand	163.11	51.948741	1.673279
BNGC05726	fine sand	167.31	48.449763	1.263187
BNGC05730	mud	112.9	45.803306	0.843328
BNGC05737	mud	126.99	51.265997	1.212079
BNGC05743	mud	102.15	45.349472	1.20235
BNGC05749	mud	106.94	49.960494	0.760229
BNGC05756	mud	114.8	44.142975	1.462662
BNGC05761	mud	117.56	45.059856	1.961703
BNGC05769	mud	87.62	49.904959	0.993716
BNGC06102	fine sand	159.91	47.364	1.974446
BNGC06105	fine sand	153.5	49.540481	1.435667
BNGC06109	mud	155.78	41.130325	1.580642
BNGC06114	fine sand	208.93	52.706219	2.057827
BNGC06118	fine sand	165.39	39.281856	1.733685
BNGC06124	fine sand	160.45	46.688922	1.449522
BNGC06129	fine sand	161.94	42.225366	1.671289
BNGC06132	fine sand	167.98	47.915328	1.42951
BNGC06137	mud	149.81	45.066038	1.361014
BNGC06140	fine sand	119.07	49.338416	0.968124
BNGC06144	mud	114.85	45.893309	0.863998
BNGC06149	mud	116.74	49.853422	0.8694
BNGC06152	fine sand	157.95	45.992191	1.451455
BNGC06156	mud	74.94	43.157403	0.169962
BNGC06159	mud	93.01	45.632438	0.270058
BNGC06163	mud	87.66	33.326706	0.90415
BNGC06502	fine sand	166.06	44.761225	1.689585
BNGC06503	mud	138.67	50.392613	1.169522
BNGC06509	fine sand	171.48	60.73295	1.64902
BNGC06515	fine sand	156.07	52.632075	1.4778
BNGC06521	fine sand	151.43	59.252525	1.447495
BNGC06523	medium sand	126.76	53.556244	1.161444
BNGC06526	fine sand	132.18	63.108406	1.14777
BNGC06530	mud	129.2	47.634922	1.173055
BNGC06535	mud	93.57	47.47415	0.5032
BNGC06541	mud	98.02	46.859675	0.621468
BNGC06544	fine sand	149	55.866594	1.483588
BNGC06547	mud	140.93	54.050225	1.460728
BNGC06550	fine sand	143.31	46.548656	1.491178
BNGC06553	mud	126.93	47.966191	1.209015
BNGC06556	mud	141.59	44.882541	1.626961
BNGC06558	mud	83.82	46.055	0.553019
BNGC06563	mud	66.13	41.228613	0.264373
BNGC06567	mud	84.38	43.572691	0.729756
BNGC06902	mud	112.1	35.518197	1.162068
BNGC06905	fine sand	157.79	48.237984	1.629763
BNGC06909	fine sand	145.21	35.990606	1.467182
BNGC06914	fine sand	152.51	48.627784	1.258796
BNGC06920	fine sand	162.48	53.488719	1.311534
BNGC06924	fine sand	154.31	51.309697	1.188948

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGC06930	medium sand	98.62	52.494463	0.738356
BNGC06935	mud	94.13	51.536119	0.60072
BNGC06940	medium sand	101.21	55.639131	0.577447
BNGC06943	fine sand	146.29	54.224119	0.904084
BNGC06946	mud	63.52	44.538884	0.210609
BNGC06948	fine sand	136.56	51.200134	0.777303
BNGC06952	mud	97.53		
BNGC06956	mud	78.52		
BNGC06959	fine sand	70.98	56.783688	0.416768
BNGC06962	mud	85.4	56.66735	0.397322
BNGC06963	fine sand	73.05	54.361813	0.429992
BNGC06967	fine sand	76.67	52.411378	0.409767
BNGC07302	fine sand	143.62	34.873644	1.500683
BNGC07305	fine sand	162.96	49.422544	1.414398
BNGC07314	fine sand	165.87	51.219341	1.454406
BNGC07318	mud	141.4	46.382969	2.351503
BNGC07321	fine sand	157.03	52.618106	1.234401
BNGC07327	medium sand	106	54.977756	0.703719
BNGC07332	fine sand	153.66	51.971769	1.146012
BNGC07335	mud	103.56	24.874411	1.940069
BNGC07338	mud	72.85	43.341359	0.339701
BNGC07344	fine sand	110.98	51.579938	0.615184
BNGC07347	mud	82.2	52.555338	0.521052
BNGC07353	medium sand	108.11	56.130256	0.768941
BNGC07356	fine sand	79.53	53.806356	0.54739
BNGC07361	medium sand	61.98	47.640666	0.559497
BNGC07366	mud	74.75	57.120919	0.332024
BNGC07370	medium sand	46.66	51.572003	0.477999
BNGC07376	fine sand	84.79	52.930563	0.494361
BNGC07383	medium sand	93.04	48.051372	0.864631
BNGC07702	fine sand	170.23	49.775509	1.508426
BNGC07705	fine sand	169.74	60.658094	1.41597
BNGC07711	fine sand	168.48	51.665922	1.563549
BNGC07714	fine sand	153.66	40.849141	1.569798
BNGC07718	fine sand	164.54	61.635169	1.783872
BNGC07724	fine sand	158.3	44.735284	1.120361
BNGC07727	mud	138.46	52.59865	1.749957
BNGC07730	fine sand	165.99	60.669144	1.789656
BNGC07732	fine sand	176.85	49.499225	1.599125
BNGC07733	mud	115.98	35.696294	4.042477
BNGC07734	mud	88.13	50.349653	0.221775
BNGC07739	fine sand	86.96	56.307019	0.265546
BNGC07741	mud	84.81	53.322013	0.267318
BNGC07744	fine sand	78.47	52.715481	0.588135
BNGC07747	fine sand	77.07	71.085344	0.548641
BNGC07752	medium sand	79.02	72.230306	0.508161
BNGC07756	medium sand	70.07	59.388613	0.307122
BNGC07763	medium sand	74.85	56.015594	0.618892
BNGC07769	fine sand	66.26	69.51905	0.38911
BNGC07771	mud	67.79	55.681106	0.378833
BNGC07773	mud	65.17	53.939313	0.402467
BNGC08102	fine sand	157.21	50.188966	1.578831
BNGC08105	mud	139.28	51.214619	1.493812
BNGC08109	fine sand	167.01	47.450631	1.79997
BNGC08114	fine sand	157.16	46.917594	1.248858
BNGC08118	medium sand	105.54	52.576094	0.677504
BNGC08123	medium sand	130.31	47.328125	1.026606
BNGC08124	fine sand	163.58	45.864447	1.620296
BNGC08127	medium sand	151.39	52.838813	1.019599
BNGC08132	medium sand	123.83	51.105263	0.902874
BNGC08140	mud	83.4	53.010163	0.395246
BNGC08146	fine sand	102.94	45.979788	0.770492
BNGC08152	fine sand	75.61	54.290281	0.458146
BNGC08158	fine sand	66.68	59.085056	0.283141
BNGC08159	fine sand	70.46	54.766275	0.427254

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGC08163	fine sand	71.17	58.127763	0.407651
BNGC08503	mud	144.33	49.069916	1.634792
BNGC08505	mud	80.61	47.922172	0.796505
BNGC08509	mud	124.94	47.494516	1.161522
BNGC08514	mud	76.27	46.873716	0.428143
BNGC08517	fine sand	130.78	64.687063	0.862739
BNGC08518	fine sand	120.43	51.293188	0.602414
BNGC08520	mud	125.86	41.931494	0.814889
BNGC08523	mud	91.52	45.437169	0.557852
BNGC08530	mud	84.75	50.923116	0.365238
BNGC08534	mud	103.44	44.675475	0.71407
BNGC08903	mud	60.09	51.205081	0.507896
BNGC08911	mud	116.09	48.136059	0.760278
BNGC08917	mud	85.02	41.771903	0.548998
BNGC08921	fine sand	110.28	42.762963	0.585979
BNGC08923	fine sand	123.88	48.648844	0.71945
BNGC08929	mud	99.14	48.110209	0.69891
BNGD00002	Mud	34.52	52.146378	0.07392
BNGD00004	Mud	36.65	41.899003	0.05718
BNGD00008	Mud	49.85	37.405469	0.096857
BNGD00010	VF-F Sand	62.47	47.653356	0.208006
BNGD00014	VF-F Sand	86.16	44.398941	0.504987
BNGD00018	VF-F Sand	142.24	42.882619	1.277615
BNGD00023	VF-F Sand	113.01	48.016856	0.518379
BNGD00027	VF-F Sand	112.45	47.145809	0.641154
BNGD00032	VF-F Sand	136.25	47.952203	0.373675
BNGD00037	VF-F Sand	146.83	46.355013	0.764302
BNGD00041	VF-F Sand	143.85	44.444456	0.559813
BNGD00046	VF-F Sand	89.74	44.078972	0.751193
BNGD00051	Mud	93.06	49.570766	0.565358
BNGD00052	VF-F Sand	95.73	38.645453	0.627627
BNGD00056	VF-F Sand	127.5	42.698713	0.876218
BNGD00059	VF-F Sand	103.18	36.539222	0.887979
BNGD00102	Mud	105.36	47.045472	0.856648
BNGD00105	VF-F Sand	137	48.648938	1.089436
BNGD00106	Mud	135.36	46.410822	1.197104
BNGD00111	Mud	61.03	42.057688	0.274857
BNGD00112	Mud	82.61	51.946731	0.641413
BNGD00114	VF-F Sand	109.48	40.383253	0.536685
BNGD00118	VF-F Sand	105.67	52.439581	0.286401
BNGD00123	VF-F Sand	148.1	47.045106	1.080217
BNGD00127	VF-F Sand	141.74	44.480456	1.094015
BNGD00132	VF-F Sand	130.58	48.010469	0.67969
BNGD00137	VF-F Sand	138.14	43.336456	0.969561
BNGD00141	VF-F Sand	117.08	45.273669	0.735195
BNGD00146	VF-F Sand	129.09	41.557306	0.808672
BNGD00150	VF-F Sand	89.31	50.5456	0.381484
BNGD00155	VF-F Sand	130.06	50.308316	0.766967
BNGD00161	VF-F Sand	115.3	48.942916	0.432484
BNGD00202	Mud	123.13	40.810347	1.266623
BNGD00205	VF-F Sand	119.91	40.424713	1.262026
BNGD00206	Mud	130.52	42.715244	1.366741
BNGD00208	VF-F Sand	157.87	40.165825	1.52239
BNGD002115	Peat	30.39	11.657895	0.575296
BNGD002145	Stiff Mud	49.53	46.492122	0.487305
BNGD00218	Stiff Mud	69.6	38.214144	0.599103
BNGD00220	VF-F Sand	94.59	43.384953	0.426595
BNGD00224	VF-F Sand	68.87	39.379659	0.554852
BNGD00229	VF-F Sand	162.64	37.274803	1.242733
BNGD00234	VF-F Sand	145.64	36.802925	1.20177
BNGD00238	VF-F Sand	125.15	39.269763	0.959274
BNGD00243	VF-F Sand	105.28	46.914041	0.497256
BNGD00247	VF-F Sand	85.07	38.60795	0.496917
BNGD00252	VF-F Sand	114	39.650747	0.753703
BNGD00256	VF-F Sand	100.98	32.35765	0.398083

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGD00261	VF-F Sand	116.22	36.607866	0.877942
BNGD00266	VF-F Sand	109.5	35.101075	0.738356
BNGD00271	M-C Sand	85.6	34.194453	0.534757
BNGD00302	Mud	103.11	35.325759	1.08893
BNGD00306	Mud	81.93	34.803275	0.797005
BNGD00309	Mud	108.18	41.856563	0.912882
BNGD00311	VF-F Sand	146.89	43.169072	1.68646
BNGD00314	VF-F Sand	86.98	34.842819	0.812988
BNGD00314.5	Mud	76.23	27.889266	0.667616
BNGD00315	VF-F Sand	109.95	36.115369	1.060713
BNGD00320	VF-F Sand	128.93	37.910372	0.698049
BNGD00324	Mud	86.82	39.206456	0.551279
BNGD00326	VF-F Sand	82.65	36.542316	0.286969
BNGD00326.5	Mud	41.64	23.263456	0.69554
BNGD00330	VF-F Sand	169.59	46.413706	0.964586
BNGD00334.5	Mud	94.29	30.863372	0.815456
BNGD00338	VF-F Sand	142.86	39.595478	1.380459
BNGD00340	VF-F Sand	108.4	32.918634	0.705824
BNGD00344	VF-F Sand	133.48	27.880819	0.783299
BNGD00349	VF-F Sand	140.6	26.824081	0.87717
BNGD00353	VF-F Sand	125.15	41.414994	1.063588
BNGD00358	VF-F Sand	110.78	29.318806	0.609456
BNGD00363	VF-F Sand	122.52	31.240034	0.641498
BNGD00367	VF-F Sand	128.04	39.539009	1.010915
BNGD00371	VF-F Sand	101.25	41.443731	0.555406
BNGD00376	VF-F Sand	121.1	35.149603	0.736337
BNGD00502	Mud	115.4	45.619622	1.253146
BNGD00506	Mud	115.31	45.5209	1.072704
BNGD00511	VF-F Sand	122.34	46.871984	1.808859
BNGD00512	Peat	34.37	24.104788	0.381981
BNGD00514	VF-F Sand	45.96	49.112772	0.12377
BNGD00517	Mud	42.95	53.264788	0.157692
BNGD00520	VF-F Sand	73.02	43.831963	0.220371
BNGD00524	Mud	122.62	49.302928	0.653859
BNGD00529	VF-F Sand	131.63	39.216425	0.91629
BNGD00534	VF-F Sand	154.62	44.696678	1.09056
BNGD00537	VF-F Sand	134.31	45.378872	0.621529
BNGD00541	VF-F Sand	151.84	47.039488	1.024405
BNGD00546	VF-F Sand	115.41	49.219203	0.552843
BNGD00550	VF-F Sand	152.39	47.876681	0.717016
BNGD00555	VF-F Sand	122.32	49.536491	0.68802
BNGD00558	VF-F Sand	139.29	43.505431	0.696344
BNGD01002	Mud	28.7	47.167306	0.139107
BNGD01006	Mud	39.73	48.562144	0.08927
BNGD01011	Mud	140.16	41.169641	1.073004
BNGD01015	VF-F Sand	198.97	42.094628	1.676121
BNGD01017	Mud	36.86	46.847006	0.228696
BNGD01021	Mud	42.14	45.206109	0.161213
BNGD01026	Mud	42.02	43.853481	0.165038
BNGD01029	VF-F Sand	72.1	45.674253	0.351365
BNGD01034	VF-F Sand	131.52	43.425391	0.709738
BNGD01038	VF-F Sand	117.88	42.136906	0.538108
BNGD01043	VF-F Sand	134.56	46.435141	0.956292
BNGD01046	VF-F Sand	146.96	44.789625	0.763873
BNGD01502	Mud	117.93	41.060741	1.30359
BNGD01506	Mud	124.25	37.2406	1.426674
BNGD01511	Mud	39.04	31.368981	0.165114
BNGD01515	Mud	52.37	55.318481	0.230713
BNGD01521	Stiff Mud	67.15	45.904094	0.649424
BNGD01524	Stiff Mud	44.15	55.129144	0.175952
BNGD01529	Stiff Mud	65.89	44.260559	0.51467
BNGD01534	Stiff Mud	52.85	45.656469	0.262834
BNGD01540	VF-F Sand	80.03	46.108116	0.545632
BNGD01541	Stiff Mud	123.3	41.307903	1.052682
BNGD02002	Mud	141.56	44.651056	1.410396

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGD02006	Mud	32.61	34.11145	0.094101
BNGD02010	VF-F Sand	104.88	37.563706	0.834403
BNGD02011	Mud	80.91	37.645003	0.561317
BNGD02015	Mud	121.51	42.387194	1.106797
BNGD02020	Stiff Mud	80.57	43.670059	0.53299
BNGD02024	Stiff Mud	75.37	41.783413	0.593979
BNGD02027	VF-F Sand	123.75	33.673438	0.669443
BNGD02032	VF-F Sand	157.13	37.286334	1.487413
BNGD02037	VF-F Sand	167	36.563556	0.813883
BNGD02041	VF-F Sand	163.13	36.893303	1.175728
BNGD02046	VF-F Sand	156.19	39.281569	1.167758
BNGD02050	VF-F Sand	160.33	40.442069	1.291744
BNGD02056	VF-F Sand	159.53	40.014409	1.21596
BNGD02502	Mud	110.89	40.016066	1.337341
BNGD02506	Mud	119.92	41.944644	1.540477
BNGD02509	Peat	30.91	8.233597	0.676599
BNGD02511	Mud	44.21	44.118134	0.320332
BNGD02515	VF-F Sand	135.36	35.481141	1.09822
BNGD02520	VF-F Sand	144.51	35.350706	1.57929
BNGD02524	VF-F Sand	131	39.400419	0.964404
BNGD02527	Stiff Mud	77.46	41.392766	3.477104
BNGD02532	Stiff Mud	98.92	48.011906	0.899065
BNGD02535	Mud	138.85	37.431784	1.056275
BNGD03202	Mud	134.28	38.243053	1.687199
BNGD03206	VF-F Sand	159.12	38.824934	1.220346
BNGD03211	VF-F Sand	146.43	41.059303	1.0349
BNGD03215	VF-F Sand	150.57	50.893363	1.013168
BNGD03217	Stiff Mud	140.67	45.120178	1.06928
BNGD03220	VF-F Sand	153.75	42.392444	1.267872
BNGD03224	VF-F Sand	169.07	41.811197	1.528446
BNGD03229	VF-F Sand	174.26	47.496053	1.734673
BNGD03234	VF-F Sand	149.59	47.509013	1.145391
BNGD03238	VF-F Sand	167.54	44.607259	0.992516
BNGD03243	VF-F Sand	166.42	49.475241	1.057444
BNGD03247	VF-F Sand	155.51	46.112975	0.884375
BNGD03252	VF-F Sand	156.48	41.309481	1.323338
BNGD03256	VF-F Sand	159.51	45.42585	1.066323
BNGD03261	VF-F Sand	156.59	42.906847	1.430495
BNGD03266	VF-F Sand	144.31	43.228622	1.305286
BNGD03271	VF-F Sand	146.85	40.974488	0.959818
BNGD03702	Mud	111.72	43.72935	1.102917
BNGD03703	VF-F Sand	130.49	34.051488	1.344659
BNGD03705	Mud	133.8	40.347669	1.620914
BNGD03706	VF-F Sand	154.93	41.845003	1.29741
BNGD03711	VF-F Sand	167.14	50.545541	1.294519
BNGD03715	VF-F Sand	148.1	50.516019	0.749983
BNGD03720	M-C Sand	164.48	49.620369	1.012209
BNGD03724	M-C Sand	144.12	53.477738	0.917778
BNGD03727	M-C Sand	154.82	47.735213	1.311742
BNGD03729.5	Mud	104.19	32.449513	4.393876
BNGD03730	M-C Sand	141.22	41.423019	0.944565
BNGD03732	M-C Sand	173.14	51.0381	1.206584
BNGD03735	M-C Sand	150.41	53.061506	1.219081
BNGD03740	VF-F Sand	176.21	49.710628	1.103524
BNGD03741	M-C Sand	152.64	47.021825	1.536359
BNGD03744	VF-F Sand	159.34	46.469447	1.665584
BNGD03749	M-C Sand	157.68	48.645334	1.312554
BNGD03753	VF-F Sand	143.59	49.916844	0.970238
BNGD04202	Mud	118.57	33.578391	0.85004
BNGD04203	VF-F Sand	170.2	49.043028	1.387326
BNGD04208	VF-F Sand	161.96	44.999144	1.153105
BNGD04212	VF-F Sand	150.8	47.398588	0.787805
BNGD04217	VF-F Sand	165.83	50.444484	1.457798
BNGD04221	M-C Sand	133.98	54.815069	0.690437
BNGD04226	VF-F Sand	162.44	49.778397	1.171639

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGD04228	Mud	112.64	40.157369	0.899802
BNGD04232	M-C Sand	144.32	51.293584	0.94053
BNGD04237	M-C Sand	156.05	45.354469	0.972586
BNGD04238	VF-F Sand	158.08	54.238813	1.030001
BNGD04241	VF-F Sand	169.11	50.815425	1.370944
BNGD04244	VF-F Sand	173.44	52.690863	1.665756
BNGD04249	VF-F Sand	156.98	51.905088	1.151582
BNGD04253	VF-F Sand	133	50.401003	0.884399
BNGD04258	VF-F Sand	164.51	52.395147	1.56242
BNGD04263	M-C Sand	160.31	51.605859	1.066894
BNGD04267	VF-F Sand	163.5	47.859713	1.263078
BNGD04271	VF-F Sand	141.95	50.236669	0.60572
BNGD04276	VF-F Sand	130.24	46.958869	1.038055
BNGD04278	VF-F Sand	157.03	50.852616	0.930361
BNGD04279	VF-F Sand	167.02	50.150588	0.943474
BNGD04702	Mud	96.29	41.036372	0.964784
BNGD04703	VF-F Sand	151.35	41.196659	1.422406
BNGD04708	VF-F Sand	171.45	42.998872	1.795767
BNGD04712	VF-F Sand	149.38	39.221553	1.473978
BNGD04717	VF-F Sand	147.97	44.378978	1.042322
BNGD04721	VF-F Sand	150.89	46.496331	1.09829
BNGD04726	Mud	49.04	47.862191	0.399775
BNGD04730	Mud	34.57	34.740484	0.221244
BNGD04732	VF-F Sand	99.49	40.845428	0.608623
BNGD04737	VF-F Sand	75.8	40.101188	0.365371
BNGD04741	VF-F Sand	108.51	38.949281	0.782809
BNGD04746	M-C Sand	95.82	46.785034	0.804853
BNGD04750	VF-F Sand	106.47	43.261375	0.747254
BNGD04755	VF-F Sand	119.36	37.72965	0.948581
BNGD04761	VF-F Sand	105.52	39.507853	0.802663
BNGD05202	Mud	123.39	39.830497	1.407288
BNGD05203	VF-F Sand	142.17	39.152075	1.304718
BNGD05208	Mud	82.14	25.156988	0.935671
BNGD05209	VF-F Sand	141.96	41.214119	1.312618
BNGD05214	VF-F Sand	146.09	37.781006	0.906584
BNGD05218	VF-F Sand	138.86	45.202288	0.987747
BNGD05223	VF-F Sand	138.58	45.939591	1.058105
BNGD05227	VF-F Sand	164.01	42.591375	1.044762
BNGD05229	Mud	37.3	38.771566	0.120788
BNGD05234	Mud	36.17	42.772559	0.284679
BNGD05235	VF-F Sand	58.86	37.335338	0.254353
BNGD05240	VF-F Sand	83.65	42.759775	0.528585
BNGD05244	VF-F Sand	108.07	40.992903	0.429827
BNGD05249	VF-F Sand	121.79	35.0287	0.736532
BNGD05252.5	Mud	31.23	48.635075	0.135335
BNGD05256	M-C Sand	137.32	36.798359	0.866779
BNGD05702	VF-F Sand	162.91	41.072013	1.488191
BNGD05706	VF-F Sand	158.54	46.357569	1.365723
BNGD05711	VF-F Sand	144.38	36.961072	1.320726
BNGD05715	VF-F Sand	166.63	48.468128	1.432107
BNGD05720	VF-F Sand	166.6	43.520063	1.425047
BNGD05724	VF-F Sand	143.98	36.521359	0.74196
BNGD05726.5	Mud	102.22	40.267622	0.928705
BNGD05727	VF-F Sand	171.06	48.013909	0.819593
BNGD05731	Mud	165.47	48.834844	1.374333
BNGD05737	Mud	112.42	46.293094	0.537842
BNGD05738	VF-F Sand	143.86	44.913281	1.180637
BNGD05743	VF-F Sand	151.83	50.794409	0.688162
BNGD05747	VF-F Sand	156.1	43.555641	1.332831
BNGD05752	VF-F Sand	159.93	47.088872	1.311498
BNGD05756	VF-F Sand	152.9	50.001272	1.116097
BNGD05761	VF-F Sand	157.67	46.000813	1.37963
BNGD06202	Mud	146.78	40.407056	1.44995
BNGD06206	Mud	140.73	48.998166	1.415375
BNGD06211	VF-F sand	149.52	50.693247	1.599038

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGD06214	VF-F Sand	152.9	47.525103	1.475481
BNGD06218	VF-F Sand	166.77	48.753566	1.156929
BNGD06221	VF-F Sand	152.82	45.305303	0.971125
BNGD06226	VF-F Sand	141.43	40.578769	1.392308
BNGD06230	VF-F Sand	139.17	43.930769	1.271203
BNGD06235	VF-F Sand	150.65	41.174209	1.561974
BNGD06240	Mud	71.24	39.737347	0.66826
BNGD06243	Mud	79.92	51.479459	0.515428
BNGD06245	VF-F Sand	123.1	44.898413	0.895195
BNGD06249	VF-F Sand	119.97	42.021175	1.021292
BNGD06253	VF-F Sand	116.58	47.058338	0.940556
BNGD06258	VF-F Sand	137.44	45.333038	0.638493
BNGD06263	VF-F Sand	148.01	50.058766	1.054082
BNGD06264	VF-F Sand	137.74	41.629756	1.133271
BNGD06702	Mud	112.77	35.317581	0.84051
BNGD06708	Mud	98.59	33.416119	1.159604
BNGD06709	VF-F Sand	169.84	48.983513	1.198279
BNGD06714	VF-F Sand	177.03	47.852675	1.33688
BNGD06718	VF-F Sand	173.27	50.199	1.264983
BNGD06723	VF-F Sand	172.64	49.729822	0.73564
BNGD06727	VF-F Sand	166.43	48.715116	1.071088
BNGD06731	VF-F Sand	149.89	48.714466	1.096235
BNGD06732	Mud	85.7	36.802175	0.877416
BNGD06735	Mud	79.5	29.498597	0.189687
BNGD06740	Mud	44.47	35.074759	0.070773
BNGD06741	VF-F Sand	40.28	52.071734	0.106782
BNGD06746	M-C Sand	40.96	49.573169	0.229887
BNGD06750	M-C Sand	49.12	52.2903	0.302108
BNGD06755	M-C Sand	61.59	46.295466	0.578393
BNGD06756	VF-F Sand	137.21	49.672128	1.355315
BNGD07202	Mud	118.27	44.324578	1.106659
BNGD07203	VF-F Sand	161.65	46.419728	1.645134
BNGD07208	VF-F Sand	156.74	45.569788	0.870882
BNGD07208.5	Stiff Mud	83.88	28.104625	1.519619
BNGD07209	Mud	124.1	46.046881	1.090123
BNGD07212	Mud	135.02	45.704609	1.55169
BNGD07214	VF-F Sand	158.92	44.952731	1.314128
BNGD07218	VF-F Sand	172.81	46.442413	0.944952
BNGD07223	VF-F Sand	151.39	43.24995	0.647231
BNGD07227	VF-F Sand	166.99	47.985475	0.962502
BNGD07232	VF-F Sand	127.98	44.073166	0.945042
BNGD07237	Mud	116.31	46.229044	0.923769
BNGD07241	Mud	78.83	28.188338	0.763649
BNGD07244	Stiff Mud	73.59	33.666566	0.249621
BNGD07247	VF-F Sand	166.95	48.160491	1.378996
BNGD07250	Mud	80.16	34.940144	1.316256
BNGD07252	Stiff Mud	77.47	32.038603	0.202644
BNGD07702	Mud	130.4	41.362084	1.21672
BNGD07705	VF-F Sand	164.04	44.096016	1.370586
BNGD07706	Peat	92.42	28.053275	0.990646
BNGD07708	VF-F Sand	168.97	47.540372	1.48732
BNGD07709	Mud	85	32.070344	0.787099
BNGD07711	VF-F Sand	147.73	45.777372	1.514846
BNGD07712	VF-F Sand	160.82	50.578891	1.216462
BNGD07717	VF-F Sand	160.1	46.713063	1.301546
BNGD07721	VF-F Sand	160.65	49.854863	1.56461
BNGD07726	VF-F Sand	131.63	33.995403	1.105973
BNGD07730	VF-F Sand	163.77	51.822259	1.124625
BNGD07735	VF-F Sand	163.55	43.124966	1.212534
BNGD07737	Mud	120.77	41.562781	1.221169
BNGD07740	Stiff Mud	66.64	26.382463	0.383956
BNGD07741	VF-F Sand	50.52	57.335725	0.3372
BNGD07743	Stiff Mud	82.65	28.170231	0.241865
BNGD07744	Mud	71.26	31.9838	0.091117
BNGD07747	VF-F Sand	70.18	53.252381	0.596955

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGD08202	Mud	87.34	33.496316	0.39851
BNGD08206	Mud	71.51	37.047709	0.294491
BNGD08208	Peat	55.21	18.492447	0.540071
BNGD08211	Mud	138.89	43.358028	1.884068
BNGD08212	VF-F sand	168.54	50.782328	1.450366
BNGD08217	VF-F sand	155.23	49.113538	0.938689
BNGD08221	VF-F sand	153.64	49.373116	0.817448
BNGD08226	VF-F sand	154.4	47.845334	0.856666
BNGD08230	VF-F sand	157.02	49.370847	1.203213
BNGD08238	Mud	100.51	40.941206	0.9391
BNGD08240	Mud	72.52	27.474447	0.346008
BNGD08241	Mud	69.38	40.926266	0.104804
BNGD08243.5	M-C Sand	71.12	55.330056	0.204416
BNGD08244	Mud	69.36	34.871975	0.231674
BNGD08245	VF-F sand	77.1	50.770034	0.618168
BNGD08246	VF-F sand	49.68	47.208922	0.200897
BNGD08249	VF-F sand	148.02	48.237313	0.921409
BNGD08250	Mud	71.85	38.766041	0.247621
BNGD08255	Mud	56.52	38.564588	0.272463
BNGD08502	VF-F Sand	145.05	55.081094	1.345563
BNGD08505	Mud	78.83	35.983153	0.100123
BNGD08506	VF-F Sand	59.13	65.760406	0.339841
BNGD08509	Peat	44.32	15.092725	0.329651
BNGD08510	Peat	154.68	56.488325	1.510267
BNGD08511	VF-F Sand	154.64	58.004588	1.382659
BNGD08515	VF-F Sand	164.42	58.097831	1.469934
BNGD08520	VF-F Sand	184.16	57.102919	1.38546
BNGD08524	VF-F Sand	182.09	57.297106	1.26907
BNGD08529	VF-F Sand	170.09	59.9915	1.337174
BNGD08534	VF-F Sand	126.91	43.234134	1.449328
BNGD08537	Mud	95.91	35.209894	0.922639
BNGD08540	Mud	75.55	40.469584	0.279337
BNGD08543	Mud	78.18	49.252669	0.240629
BNGD08546	Mud	83.76	43.562813	0.083455
BNGD08547	Mud	68.82	40.860828	0.105344
BNGD08549	VF-F Sand	40.57	67.878094	0.082372
BNGD08550	M-C Sand	43.18	60.79525	0.225493
BNGD08552	M-C Sand	69.2	56.789006	0.23463
BNGD08555.5	Stiff Mud	90.83	48.09945	0.461705
BNGD08556	Stiff Mud	62.65	42.030034	0.208708
BNGD08558	stiff mud	39.56	37.389013	0.119485
BNGD08802	VF-F Sand	148.18	53.940963	1.412078
BNGD08808	Mud	82.2	45.864819	0.20508
BNGD08809	Peat	74.57	28.497938	0.798834
BNGD08811	VF-F Sand	143.6	53.812438	1.012839
BNGD08815	VF-F Sand	172.66	57.744388	1.655434
BNGD08820	VF-F Sand	173.21	56.494613	1.267255
BNGD08824	VF-F Sand	159.3	58.241588	1.117157
BNGD08829	VF-F Sand	147.12	64.7053	1.231424
BNGD08834	VF-F Sand	161.81	57.984225	1.647395
BNGD08837	Mud	135.39	50.614669	1.722214
BNGD08841	Mud	114.91	45.977622	0.85985
BNGD08844	Mud	72.68	51.519803	0.101631
BNGD08846	M-C Sand	22.44	67.874856	0.105847
BNGD08847	VF-F Sand	26.12	56.418981	0.02179
BNGD08850	VF-F Sand	49.29	61.036175	0.141011
BNGD08852	M-C Sand	23.74	44.254463	0.238521
BNGD08853	Mud	64.57	47.225113	0.176104
BNGD08855	Mud	52.13	51.840209	0.245031
BNGD08856	Stiff Mud	61.96	41.825403	0.12141
BNGD08861	Mud	56.23	50.967581	0.128196
BNGD08866	Stiff Mud	92.93	45.858019	0.194316
BNGD09102	Mud	71.75	46.548975	0.234086
BNGD09108	Mud	109.25	42.765063	0.81771
BNGD09112	VF-F sand	150.3	55.9148	1.706571

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGD09114	VF-F sand	165.42	60.387294	1.541284
BNGD09118	VF-F sand	148.76	54.712819	0.838282
BNGD09123	VF-F sand	169.18	63.968375	1.604345
BNGD09127	VF-F sand	167.45	56.250806	1.335257
BNGD09132	VF-F sand	146.58	61.515363	1.126697
BNGD09137	Mud	122.35	41.716225	1.194004
BNGD09141	Stiff Mud	76.16	51.929903	0.127387
BNGD09144	M-C Sand	21.35	69.380331	0.07889
BNGD09146	Stiff Mud	58.34	51.463584	0.06783
BNGD09149	Stiff Mud	39.53	61.578556	0.223679
BNGD09150	Stiff Mud	91.08	48.690297	0.236547
BNGD09155	Stiff Mud	82.49	36.207138	0.262911
BNGD09158	VF-F sand	26.92	67.978025	0.055805
BNGD09161	Stiff Mud	86.41	48.458003	0.300092
BNGD09402	Mud	56	40.726434	0.089409
BNGD09406	Mud	68.53	42.109928	0.07473
BNGD09408.5	Peat	82.2	25.286364	0.779672
BNGD09409	Mud	73.36	42.640509	0.409968
BNGD09411	VF-F Sand	132.63	60.315031	1.07397
BNGD09412	Mud	98.26	38.498906	0.829541
BNGD09415	VF-F Sand	151.75	49.562422	0.848009
BNGD09420	VF-F Sand	162.72	56.759006	1.647454
BNGD09427	VF-F Sand	169.04	60.226563	1.51302
BNGD09432	VF-F Sand	163.52	59.708625	1.571582
BNGD09434	Stiff Mud	110.56	46.581488	1.141018
BNGD09435	Mud	70.83	37.257131	0.444923
BNGD09437	M-C sand	21.22	68.226325	∓ LOD
BNGD09440	Stiff Mud	52.55	61.454888	0.048082
BNGD09443	M-C sand	88.75	57.507206	0.056639
BNGD09447	M-C sand	20.67	62.478438	∓ LOD
BNGD09605	Mud	74.56	47.332881	0.078622
BNGD09608	VF-F Sand	39.05	54.038713	0.162325
BNGD09609	Mud	66.16	50.93345	0.045087
BNGD09611	VF-F Sand	22.14	59.465288	∓ LOD
BNGD09612	Mud	79.83	37.587081	0.090779
BNGD09614	Stiff Mud	72.3	51.976525	0.05518
BNGD09615	VF-F Sand	32.93	55.292881	0.161589
BNGD09617	Mud	133.36	43.646113	1.230736
BNGD09620	VF-F Sand	119.47	52.040003	0.810606
BNGD09623	VF-F Sand	136.99	46.466181	1.216452
BNGD09629	M-C Sand	134.23	53.115806	1.043875
BNGD09633	M-C Sand	104.42	56.327994	0.552707
BNGD09637	Stiff Mud	59.54	41.820328	0.102769
BNGD09638	VF-F Sand	39.54	56.923763	0.101006
BNGD09643.5	M-C Sand	49.66	57.089963	0.10063
BNGD09802	Mud	19.08	54.033756	∓ LOD
BNGD09802(E)	Mud	49.25	51.099766	∓ LOD
BNGD09803	Mud	49.79	43.516413	∓ LOD
BNGD09805	VF-F Sand	19.84	57.03405	∓ LOD
BNGD09806(E)	Mud	85.52	39.902791	0.101523
BNGD09808(E)	Mud	85.74	34.284128	0.102572
BNGD09809	Mud	72.69	26.839016	0.073298
BNGD09809(E)	VF-F Sand	32.03	58.807481	0.017832
BNGD09811	Mud	102.2	36.790166	0.070264
BNGD09812	Peat	83.62	31.101775	0.186166
BNGD09814	Stiff Mud	105.6	42.712372	0.594582
BNGD09814(E)	Mud	121.89	45.070772	1.078711
BNGD09817	Stiff Mud	33.61	43.274322	∓ LOD
BNGD09818	Stiff Mud	29.04	45.607047	∓ LOD
BNGD09820	M-C Sand	14.67	61.859956	∓ LOD
BNGD09821(E)	Stiff Mud	42.39	45.802013	∓ LOD
BNGD09824(E)	Stiff Mud	34.32	46.018413	∓ LOD
BNGD10002	VF-F Sand	49.2	50.288769	0.081133
BNGD10003	VF-F Sand	25.46	52.823175	∓ LOD
BNGD10005	Mud	79.61	44.088972	0.078269

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGD10009	VF-F Sand	25.95	58.119325	∓ LOD
BNGD10012	Mud	74.19	46.420356	0.056332
BNGD10014	Mud	58.3	36.977388	0.196556
BNGD10020	Mud	87.5	38.291378	0.057726
BNGD10026	Mud	71.15	43.165225	0.062976
BNGD10030	M-C Sand	17.84	63.272675	∓ LOD
BNGD10035	M-C Sand	59.55	41.0939	0.343132
BNGD10036	M-C Sand	32.53	44.269363	0.219857
BNGD10202	Mud	65.68	53.639725	0.081805
BNGD10206	Mud	82.97	52.028444	∓ LOD
BNGD10211	Mud	120.02	∓LOD	∓ LOD
BNGD10212	Stiff Mud	91.84	47.857797	0.492229
BNGD10215	Mud	120.88	47.6641	1.24912
BNGD10217	VF-F Sand	122.5	48.637769	0.793606
BNGD10223	VF-F Sand	163.6	57.905694	1.111033
BNGD10226	M-C Sand	131.51	59.49475	1.094646
BNGD10227	M-C Sand	157.16	60.445194	1.234078
BNGD10229	Stiff Mud	65.17	54.175638	0.089317
BNGD10235	Stiff Mud	126.94	51.895566	0.989032
BNGD10242	Stiff Mud	72.34	50.74085	0.251984
BNGD10243	M-C Sand	24.14	70.653888	0.014213
BNGD10244	Mud	64.33	53.097756	0.326831
BNGD10249	Stiff Mud	46.34	57.756881	0.210655
BNGD10251	Stiff Mud	58.87	55.264819	0.230362
BNGE12402	VF-F Sand	149.75	47.733163	1.451966
BNGE12403	VF-F Sand	134.89	39.068209	1.108406
BNGE12408	F-M Sand	134.47	48.95145	1.243846
BNGE12412	VF-F Sand	126.47	48.496484	1.168375
BNGE12417	VF-F Sand	145.8	45.788472	0.947597
BNGE12421	VF-F Sand	144.09	48.332019	1.191017
BNGE12426	VF-F Sand	141.11	50.339706	0.975142
BNGE12430	M-C Sand	155.42	49.965403	1.498155
BNGE12432	VF-F Sand	82.12	42.864678	0.725209
BNGE12434	VF-F Sand	123.18	44.787894	1.422805
BNGE12702	Mud	36.17	44.063175	0.110412
BNGE12706	Mud	46.43	37.853488	0.172107
BNGE12708	VF-F Sand	63.61	35.705728	0.289106
BNGE12712	VF-F Sand	74.77	43.410013	0.38867
BNGE12717	VF-F Sand	100.3	46.868738	0.702885
BNGE12723	VF-F Sand	115.42	42.950997	0.545194
BNGE12724	VF-F Sand	117.17	42.474578	0.890611
BNGE12729	M-C Sand	104.62	43.815703	0.718639
BNGE12732	VF-F Sand	127.17	37.555925	0.712378
BNGE12735	VF-F Sand	105.45	41.963378	0.671795
BNGE12902	Mud	43.49	36.097028	0.067639
BNGE12906	Mud	74.84	34.618191	0.324547
BNGE12908	VF-F Sand	68.73	43.761447	0.356403
BNGE12914	VF-F Sand	119.29	44.020041	1.024129
BNGE12917	VF-F Sand	123.79	43.506059	1.202461
BNGE12921	VF-F Sand	115.55	43.592013	0.738088
BNGE12926	VF-F Sand	147.03	42.609847	1.039275
BNGE12930	M-C Sand	108	38.786647	1.122185
BNGE12934	VF-F Sand	145.59	41.767341	1.009901
BNGE13002	Mud	35.8	33.676788	0.083747
BNGE13005	Mud	51.94	34.513722	0.173203
BNGE13006	VF-F Sand	63.86	39.874797	0.263848
BNGE13008	VF-F Sand	94.87	39.838503	0.627646
BNGE13012	VF-F Sand	126.9	43.378303	1.012828
BNGE13017	VF-F Sand	141.86	43.064231	0.901777
BNGE13021	VF-F Sand	132.9	41.635866	1.152077
BNGE13026	VF-F Sand	128.2	46.304459	0.930699
BNGE13030	VF-F Sand	113.37	41.534497	0.577375
BNGE13034	VF-F Sand	102.7	44.039272	0.697657
BNGE13102	VE-F Sand	129.88	33.256484	1.371833
BNGE13105	VE-F Sand	138.55	32.760194	1.398719

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGE13108	Mud	130.67	32.885975	1.626727
BNGE13117	Mud	58.92	34.818891	0.324392
BNGE13120	VE-F Sand	84.02	49.234341	0.450697
BNGE13121	M-C Sand	77.91	39.5284	0.449591
BNGE13126	VE-F Sand	130.25	33.459822	0.939575
BNGE13132	M-C Sand	41.46	38.000659	0.404652
BNGE13137	VE-F Sand	92.11	32.321778	0.726488
BNGE13141	VE-F Sand	116.56	34.208584	1.288909
BNGE13146	VE-F Sand	109.93	29.017875	1.033378
BNGE13202	Mud	84.21	35.752941	0.811402
BNGE13203	Mud	109.29	36.548409	1.120265
BNGE13205	VF-F Sand	153.87	46.454675	1.613451
BNGE13206	VF-F Sand	144.72	44.23165	1.542548
BNGE13208	Mud	134.67	42.618744	1.534789
BNGE13209	Peat	44.95	24.907317	0.570666
BNGE13211	Mud	53.77	37.378306	0.278712
BNGE13212	Mud	53.54	38.834538	0.332932
BNGE13214	Mud	66.21	38.167228	0.374038
BNGE13217	VF-F Sand	117.65	32.41195	0.797569
BNGE13221	VF-F Sand	129.5	36.993966	1.012644
BNGE13223	VF-F Sand	116.62	49.315828	0.697824
BNGE13227	VF-F Sand	124.2	42.818753	0.781961
BNGE13232	VF-F Sand	107.15	36.608388	0.724715
BNGE13237	VF-F Sand	97.18	39.454044	0.546297
BNGE13238	VF-F Sand	121.5	46.847384	0.931838
BNGE13402	Mud	51.02	38.811622	0.26453
BNGE13405	Mud	94.2	38.696156	0.628751
BNGE13406	VF-F Sand	106.09	36.946391	0.78047
BNGE13411	VF-F Sand	125.91	47.200609	0.86796
BNGE13415	VF-F Sand	149.37	30.757253	0.921061
BNGE13417	VF-F Sand	107.62	47.717463	0.650156
BNGE13420	VF-F Sand	141.17	45.908153	0.925686
BNGE13424	M-C Sand	82.69	43.209072	0.377205
BNGE13426	M-C Sand	49.85	44.313575	0.317395
BNGE13430	VF-F Sand	150.8	42.236766	1.211545
BNGE13435	VF-F Sand	168.99	43.395763	1.090544
BNGE13440	VF-F Sand	111.96	43.051359	0.812441
BNGE13444	VF-F Sand	119.98	42.668713	0.862768
BNGE13449	VF-F Sand	87.27	42.414688	0.72387
BNGE13453	VF-F Sand	108.36	42.171972	0.951353
BNGE13455	VF-F Sand	101.1	42.875041	0.848245
BNGE13602	Mud	48.93	43.5728	0.145175
BNGE13603	Mud	47.85	35.596422	0.218026
BNGE13608	Mud	37.6	28.490319	0.274894
BNGE13609	VF-F Sand	63.93	52.281981	0.528077
BNGE13614	VF-F Sand	104.61	38.296025	0.709823
BNGE13618	VF-F Sand	139.14	35.430488	1.023819
BNGE13623	VF-F Sand	147.8	39.897963	1.237004
BNGE13626	M-C sand	104.17	31.260963	0.782366
BNGE13630	M-C sand	98.32	28.895188	0.390285
BNGE13635	VF-F Sand	123.44	43.749053	0.929182
BNGE13640	M-C sand	109.09	45.295922	1.044177
BNGE13644	M-C sand	106.41	44.0137	0.920941
BNGE13646	VF-F Sand	85.17	47.171538	0.609606
BNGE13650	M-C sand	81.06	39.821547	0.539841
BNGE13655	VF-F Sand	75.99	32.474113	0.542473
BNGE13658	VF-F Sand	104.03	28.975181	0.637942
BNGF00102	VF-F Sand	26.42	42.653653	0.428807
BNGF00105	Mud	84.88	44.635828	1.09203
BNGF00108.5	Mud	72.56	50.364763	1.079327
BNGF00109	M-C Sand	60.75	54.965163	0.759462
BNGF00402		62.9	44.604313	0.656908
BNGF00403		50.94	46.965059	0.478923
BNGF00405		95.08	47.352509	1.50425
BNGF00406		41.13	45.222925	0.488723

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGF00409		75.36	40.453753	1.0777
BNGF00415		60.9	41.945034	0.994186
BNGF00418		116.02	44.764975	1.833285
BNGF00420		43.23	45.371634	1.167014
BNGF00421		63.04	44.200569	1.681745
BNGF00427		100.42	44.591547	1.725343
BNGF00702	VF-F Sand	61.83	40.708547	0.842116
BNGF00706	Mud	91.12	47.295928	0.150949
BNGF00711	Mud	126.51	42.5251	1.17627
BNGF00715	Mud	95.12	44.062066	1.411697
BNGF00716	VF-F Sand	99.77	39.850616	1.001762
BNGF00717	Mud	94.28	44.307556	1.5395
BNGF00721	Mud	81.7	47.228703	0.411778
BNGF00726	Mud	91.19	45.452906	0.836723
BNGF00730	Mud	84.96	43.526294	0.772679
BNGF00735	Mud	93.92	38.572394	1.761477
BNGF00740	Mud	86.11	49.823703	0.631171
BNGF00744	Mud	78.91	47.595897	1.028836
BNGF00748	VF-F Sand	43.24	41.772888	0.46346
BNGF00752	VF-F Sand	68.87	42.848106	0.174915
BNGF01002	Mud	77.48	54.513313	0.108462
BNGF01006	Mud	61.69	43.060531	0.402808
BNGF01011	Mud	74.04	50.594419	1.243471
BNGF01015	Mud	91.16	48.497488	1.485237
BNGF01020	Mud	86.95	49.847863	0.50662
BNGF01024	Mud	77.66	47.474813	1.233796
BNGF01029	Mud	75.07	49.004075	0.875901
BNGF01034	Mud	79.08	48.598897	0.718459
BNGF01038	Mud	86.9	51.294938	0.829885
BNGF01043	Mud	81.27	49.089834	0.89027
BNGF01046	Mud	76.33	46.650938	1.346854
BNGF01302	Mud	94.09	46.284588	0.150974
BNGF01306	Peat	69.57	24.630616	1.439249
BNGF01311	Mud	108.64	50.231844	1.105419
BNGF01315	Mud	122.66	41.110963	1.560147
BNGF01320	Mud	121.07	41.867444	1.576519
BNGF01323	VF-F Sand	68.72	45.345597	0.574353
BNGF01324	Mud	87.91	47.667303	0.759641
BNGF01329	Mud	73.28	47.068094	1.204785
BNGF01334	Mud	82.92	51.869591	0.22202
BNGF01338	Mud	89.37	49.381769	0.394405
BNGF01343	Mud	80.84	49.058425	0.416573
BNGF01347	Mud	89.14	48.040772	0.14319
BNGF01351	VF-F Sand	47.37	49.952853	0.36063
BNGF01355	VF-F Sand	51.26	46.048188	0.515415
BNGF01702	Mud	77.86	49.37542	0.445289
BNGF01706	Mud	77.38	49.04123	0.781302
BNGF01711	Mud	63.06	50.51077	1.045008
BNGF01715	Mud	62.58	47.13219	0.650714
BNGF01718	VF-F Sand	48.14	44.96913	0.311689
BNGF01721	Mud	94.31	46.83898	1.660269
BNGF01724	VF-F Sand	17.01	46.78491	0.439889
BNGF01727	Mud	83.17	43.19916	1.137315
BNGF01732	VF-F Sand	11.83	54.19636	
BNGF01737	Mud	66.7	48.97945	1.041804
BNGF01738	Mud	77.16	45.19117	0.087975
BNGF01743	Mud	68.17	45.04982	0.085816
BNGF02102	Mud	79.02	42.70628	0.128172
BNGF02106	Mud	69.91	47.02533	
BNGF02111	Mud	81.4	45.42575	0.07155
BNGF02115	Mud	53.84	53.51601	0.041381
BNGF02120	VF-F Sand	24.55	49.96598	0.194922
BNGF02124	M-C Sand	8.19	53.86034	
BNGF02126	Mud	56.22	46.0176	0.053324
BNGF02126.5	Mud	50.45	49.32104	0.824821

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGF02402	Mud	67.09	51.357416	∓ LOD
BNGF02403	VF-F Sand	14.58	54.8935	∓ LOD
BNGF02406	Mud	85.79	49.434463	∓ LOD
BNGF02411	Mud	65.06	56.678638	∓ LOD
BNGF02415	Mud	63.45	47.91995	6986.27
BNGF0242.5	Mud	38.62	54.726531	∓ LOD
BNGF02420		63.62	49.030719	12532.71
BNGF02701	M-C Sand	62.89	49.7965	0.209617
BNGF02702	Mud	128.71	45.26791	0.723196
BNGF02703	M-C Sand	72.51	47.76553	0.383084
BNGF02708	M-C Sand	76.66	46.0478	0.381762
BNGF02711	M-C Sand	119.27	45.95108	0.624004
BNGF02712	M-C Sand	99.53	47.71752	0.539742
BNGF02717	M-C Sand	114.2	46.24089	0.633537
BNGF02721	M-C Sand	101.11	47.08551	0.607874
BNGF02726	M-C Sand	118.85	45.30637	0.726698
BNGF02730	M-C Sand	102.61	44.19894	0.644554
BNGF02735	M-C Sand	128.21	42.54195	0.957528
BNGF02740	M-C Sand	106.76	40.93229	1.297385
BNGF02746	M-C Sand	123.67	40.73376	1.88051
BNGF03002	M-C Sand	33.14	47.12014	0.187027
BNGF03006	VF-F Sand	37	51.97893	0.19426
BNGF03011	M-C Sand	34.43	50.43137	0.081045
BNGF03015	VF-F Sand	38.36	47.38515	0.087107
BNGF03020	M-C Sand	48.82	46.82971	0.12811
BNGF03024	M-C Sand	47.6	46.04265	0.141612
BNGF03029	M-C Sand	72.44	44.76319	0.331235
BNGF03034	M-C Sand	81.75	46.85817	0.42967
BNGF03038	VF-F Sand	94.52	41.88884	0.329682
BNGF03043	VF-F Sand	93.39	48.04232	0.429793
BNGF03046	VF-F Sand	76.32	45.12794	0.318374
BNGF03302	Mud	86.9	46.10924	1.858237
BNGF03306	Mud	75.15	46.42572	0.080624
BNGF03311	Mud	108.54	49.45509	0.751964
BNGF03315	Mud	91.8	34.95939	2.303767
BNGF03321	Mud	59.35	44.82758	∓ LOD
BNGF03324	Mud	65.58	46.04652	∓ LOD
BNGF03715	Mud	89.67	42.469259	1.114821
BNGF03720	Mud	90.6	47.818703	0.087335
BNGF03729	Mud	74.65	38.898597	∓ LOD
BNGF04302	VF-F Sand	77.23	52.732994	0.157788
BNGF04306	Mud	91.33	47.194534	0.67978
BNGF04311	Mud	111.68	47.294263	1.64576
BNGF04315	VF-F Sand	104.01	48.191066	0.888967
BNGF04318	VF-F Sand	104.57	54.087613	1.262857
BNGF04320	VF-F Sand	103.44	53.373044	1.019376
BNGF04323	Mud	109.37	47.884719	1.144758
BNGF04324	Mud	72.27	53.048356	0.073864
BNGF04329	Mud	66.74	50.276075	0.056815
BNGF04330	VF-F Sand	43.07	46.553878	0.669544
BNGF04334	Mud	71.47	50.709431	0.928654
BNGF04335	VF-F Sand	44.11	49.111928	0.394436
BNGF04340	VF-F Sand	22.67	52.342928	0.054975
BNGF04346	VF-F Sand	21.59	54.820875	0.264495
BNGF04349	Mud	82.47	43.216266	0.483827
BNGF04350	VF-F Sand	19.36	55.399781	0.40986
BNGF04353	Mud	68.52	49.881153	0.630155
BNGF04902	Mud	77.77		
BNGF04906	Mud	91.7		
BNGF04911	Mud	100.3		
BNGF04915	Mud	108.23		
BNGF04920	Mud	102.78		
BNGF04924	Mud	90.49		
BNGF04929	Mud	115.38		
BNGF04934	Mud	106.07		

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGF04938	Mud	66.03		
BNGF04941	VF-F Sand	34.46		
BNGF04946	M-C Sand	13.31		
BNGF04950	Mud	55.56		
BNGF04952	VF-F Sand	30.54		
BNGF04955	Mud	46.91		
BNGF04956	VF-F Sand	36.83		
BNGF04957	Mud	58.69		
BNGF04958	VF-F Sand	28.69		
BNGF04961	Mud	88.26		
BNGF04964	Mud	77.83		
BNGF05514	VF-F Sand	78.92	51.902422	0.651282
BNGF05530	Mud	122.55	47.145416	1.533537
BNGF05532	Mud	127.69	∫ LOD	∫ LOD
BNGF05537	Mud	100.22	39.713353	2.129438
BNGF06102	Mud	95.01	53.863344	0.351373
BNGF06103	Mud	86.86	50.757809	1.476424
BNGF06106	Mud	87.67	49.435941	1.123851
BNGF06109	Mud	89.15	46.281391	1.05039
BNGF06111	Mud	88.8	45.916759	2.125088
BNGF06115	Mud	94.59	45.626288	1.454382
BNGF06118	VF-F Sand	79.73	47.137284	0.622503
BNGF06120	VF-F Sand	84.73	42.829941	2.103528
BNGF06123	VF-F Sand	68.03	44.465872	0.608894
BNGF06126	Mud	120.06	46.767125	2.05775
BNGF06127	Mud	121.27	45.4612	2.459183
BNGF06130	Mud	118.21	44.854156	2.338572
BNGF06134	Mud	104.84	18.154366	6.709381
BNGF06135	Mud	86.94	40.704584	1.064122
BNGF06138	M-C Sand	45.46	47.115141	0.663901
BNGF06140	Mud	78.68	40.854778	0.563898
BNGF06141	M-C Sand	37.81	51.677563	0.320457
BNGF06143	Mud	84.32	43.011541	0.47069
BNGF06146	Mud	64.61	52.440513	0.361063
BNGF06147	Mud	62.98	52.7509	0.431329
BNGF06148	M-C Sand	39.19	53.687375	0.44508
BNGF06149	Mud	81.45	45.349169	2.20679
BNGF06153	Mud	83.07	38.156303	2.027692
BNGF06155	Mud	73.13	42.543184	0.32299
BNGF06156	Mud	77.16	38.883059	0.625979
BNGF06602	Mud	87.1		
BNGF06606	Mud	90.18		
BNGF06609	VF-F Sand	130.83		
BNGF06614	VF-F Sand	140.17		
BNGF06618	VF-F Sand	124.93		
BNGF06623	VF-F Sand	95.53		
BNGF06624	M-C Sand	82.81		
BNGF06625	Mud	120.13		
BNGF06626	M-C Sand	33.39		
BNGF06630	Mud	115.63		
BNGF06635	Mud	123.04		
BNGF06640	Mud	92.99		
BNGF06643	VF-F Sand	54.65		
BNGF06644	Mud	83.12		
BNGF06649	Mud	66.44		
BNGF06651	M-C Sand	39.2		
BNGF06652	Mud	74.22		
BNGF06656	Mud	79.12		
BNGF07102	Mud	89.94	48.109463	0.573473
BNGF07106	Mud	91.05	48.843513	0.776527
BNGF07108	VF-F Sand	85.61	52.801694	0.758625
BNGF07111	Mud	85.57	51.025809	0.667798
BNGF07112	VF-F Sand	90.89	53.293913	0.705073
BNGF07117	VF-F Sand	115.75	49.856872	0.698384
BNGF07118	Mud	120.55	46.334944	1.492487

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGF07123	Mud	106.83	44.262613	1.780681
BNGF07126	Mud	58.67	44.116056	1.612474
BNGF07130	Mud	44.61	55.156619	0.042455
BNGF07134	VF-F Sand	44.52	56.177513	0.233113
BNGF07138	VF-F Sand	21.2	58.5366	0.044112
BNGF07143	VF-F Sand	21.61	53.350981	0.03255
BNGF07147	VF-F Sand	28.18	56.610638	0.117876
BNGF07153	M-C Sand	33.9	50.517075	0.249557
BNGF07502	Mud	80.67		
BNGF07505	VF-F Sand	139.26		
BNGF07509	Mud	129.71		
BNGF07511	VF-F Sand	132.47		
BNGF07515	VF-F Sand	122.88		
BNGF07520	Mud	133		
BNGF07524	Mud	118.92		
BNGF07529	Mud	114.12		
BNGF07532	Mud	133.03		
BNGF07534	Mud	74.22		
BNGF07537	Mud	73.9		
BNGF07538	Mud	70.61		
BNGF07543	VF-F Sand	24.45		
BNGF07547	VF-F Sand	27.65		
BNGF07552	VF-F Sand	27.77		
BNGF07556	VF-F Sand	27.21		
BNGF07560	M-C Sand	32.57		
BNGF07902	Mud	92.51		
BNGF07905	VF-F Sand	101.5		
BNGF07909	VF-F Sand	118.82		
BNGF07914	VF-F Sand	120.62		
BNGF07918	M-C Sand	105.7		
BNGF07923	Mud	127.88		
BNGF07927	Mud	115.24		
BNGF07932	M-C Sand	49.16		
BNGF07937	M-C Sand	46.87		
BNGF07938	Mud	74.1		
BNGF07940	Mud	26.15		
BNGF07944	M-C Sand	19.81		
BNGF07945	Mud	78.9		
BNGF07946	M-C Sand	26.59		
BNGF07950	M-C Sand	30.9		
BNGF07955	M-C Sand	40.84		
BNGF07956	Mud	91.74		
BNGF07961	Mud	92.08		
BNGF07964	Mud	104.89		
BNGF08402	Mud	86.947	48.0606563	0.4170608
BNGF08406	Mud	137.196	39.3891438	1.8044674
BNGF08411	VF-F Sand	148.055	42.6089594	1.5617162
BNGF08415	VF-F Sand	140.623	41.0162375	0.9586389
BNGF08420	VF-F Sand	144.53	44.133897	1.43274
BNGF08424	VF-F Sand	56.776	54.0609188	0.2335266
BNGF08426	Mud	123.946	47.1841063	1.5246475
BNGF08430	Mud	129.41	44.698275	1.8850408
BNGF08435	Mud	120.992	39.6611813	2.173575
BNGF08440	Mud	59.01	52.67575	0.705581
BNGF08441	Mud	73.065	49.2101031	0.3779702
BNGF08447	Mud	69.378	45.7601063	0.2439258
BNGF08452	Mud	96.751	17.6901281	7.900468
BNGF08456	Mud	83.111	45.7215969	1.7713137
BNGF08459	Mud	45.92	48.263188	0.589637
BNGF08461	VF-F Sand	80.741	47.03685	1.2549243
BNGF08902	VF-F Sand	136.25	46.330413	1.192521
BNGF08905	Mud	118.99	49.825213	1.042792
BNGF08906	VF-F Sand	150.86	42.948478	1.504749
BNGF08911	VF-F Sand	148.44	47.5561	1.582354
BNGF08915	VF-F Sand	133.85	46.716266	1.080217

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGF08920	VF-F Sand	145.43	44.402291	1.653441
BNGF08924	VF-F Sand	132.93	45.950656	1.496845
BNGF08929	Mud	114.17	46.812503	1.829995
BNGF08930	M-C Sand	52.98	50.000353	0.580148
BNGF08932	Mud	115.36	44.300613	1.566153
BNGF08935	M-C Sand	46.84	50.985238	0.312795
BNGF08937	Mud	106.63	47.496231	1.868896
BNGF08941	Mud	67.78	53.679794	0.238382
BNGF08946	M-C Sand	34.66	59.829713	0.059347
BNGF08947	Mud	83.24	48.388184	0.586612
BNGF08949	M-C Sand	35.18	51.363097	0.264849
BNGF08952	M-C Sand	53.08	49.314709	0.354849
BNGF08955	M-C Sand	41.47	50.340603	0.301024
BNGF08955.5	Mud	68.43	51.642572	0.228929
BNGF08956	M-C Sand	28.55	53.038319	0.247167
BNGF08961	M-C Sand	45.03	51.316909	0.161452
BNGF08967	M-C Sand	36.16	54.317188	0.249485
BNGF09502	Mud	91.63	43.533128	0.626692
BNGF09503	Mud	167.01	46.080694	2.843437
BNGF09505	Mud	147.15		
BNGF09508	Mud	146.15	41.272969	1.889717
BNGF09511	VF-F Sand	146.97		
BNGF09512	VF-F Sand	153.91	47.122516	2.14447
BNGF09517	VF-F Sand	148.86	49.283041	1.893624
BNGF09518	VF-F Sand	143.76		
BNGF09521	VF-F Sand	159.99	49.144916	1.952628
BNGF09524	VF-F Sand	122.01		
BNGF09526	VF-F Sand	142.8	41.779294	1.995947
BNGF09527	Mud	127.89	41.356513	3.059332
BNGF09529	Mud	131.18		
BNGF09532	Mud	113.41	46.672447	2.016946
BNGF09535	Mud	126.04		
BNGF09537	Mud	89.44	50.216069	0.707202
BNGF09541	Mud	45.73	45.545963	0.111246
BNGF09543	Mud	102.58		
BNGF09546	Mud	69.81	52.043675	0.267123
BNGF09549	M-C Sand	50.77	48.236406	0.769069
BNGF09549.5	Mud	79.95	39.798353	1.95819
BNGF09550	M-C Sand	54.73		
BNGF09552	M-C Sand	51.58	50.246963	0.599802
BNGF09556	VF-F Sand	50.2	54.326238	0.410571
BNGF09558	VF-F Sand	54.25		
BNGF09559	VF-F Sand	42.31		
BNGF09561	M-C Sand	45.4	55.244288	0.519313
BNGF10102	VF-F Sand	115	52.037981	1.704115
BNGF10106	VF-F Sand	152.68	50.500684	1.495449
BNGF10111	VF-F Sand	153.37	50.358656	1.738293
BNGF10112	Mud	127.6	37.670375	1.721789
BNGF10114	VF-F Sand	139.32	46.754519	1.9482
BNGF10120	VF-F Sand	151.61	50.413656	1.70772
BNGF10124	VF-F Sand	149.44	44.602303	1.806175
BNGF10127	Mud	149.15	44.822494	2.434104
BNGF10132	Mud	105.3	45.272909	1.945084
BNGF10137	VF-F Sand	50.26	52.899625	0.337044
BNGF10141	VF-F Sand	42.07	56.887156	0.323721
BNGF10146	VF-F Sand	41.99	54.548894	0.323141
BNGF10150	M-C Sand	50.8	51.898131	0.846562
BNGF10163	M-C Sand	141.24	50.849378	1.447774
BNGF10167	M-C Sand	74.81	56.04185	0.536682
BNGF10702	Mud	117.83		
BNGF10703	VF-F Sand	143.27		
BNGF10708	VF-F Sand	137.78		
BNGF10717	VF-F Sand	152.77		
BNGF10721	Mud	128.96		
BNGF10723	VF-F Sand	155.03		

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGF10727	M-C Sand	155.88		
BNGF10730	Mud	115.87		
BNGF10735	Mud	97.9		
BNGF10740	Mud	65.29		
BNGF10744	Mud	68.24		
BNGF10747	M-C Sand	55.28		
BNGF10752	VF-F Sand	37.78		
BNGF10756	M-C Sand	44.12		
BNGF10761	M-C Sand	40.81		
BNGF11302	Mud	146.31	45.143738	1.498052
BNGF11303	VF-F Sand	138.32	47.562584	1.855002
BNGF11308	VF-F Sand	118.7	46.504891	1.511751
BNGF11309	VF-F Sand	141.13	50.721534	1.624033
BNGF11312	VF-F Sand	127.93	43.437013	1.40007
BNGF11314	VF-F Sand	133.14	52.6747	1.391417
BNGF11315	VF-F Sand	145.65	47.537678	1.505739
BNGF11323	VF-F Sand	155.3	46.916384	1.621379
BNGF11327	VF-F Sand	159.47	40.821138	1.427555
BNGF11329	VF-F Sand	132.93	45.166363	1.692751
BNGF11334	Mud	119.3	48.625363	1.492218
BNGF11338	Mud	114.83	45.715441	1.580489
BNGF11343	Mud	102.6	46.830144	1.901382
BNGF11347	Mud	40.81	51.661644	0.141327
BNGF11350	M-C Sand	34.27	55.697513	0.235192
BNGF11352	Mud	88.95	52.180459	1.136745
BNGF11353	VF-F Sand	55.68	52.990506	0.395845
BNGF11358	M-C Sand	63.45	47.680591	0.599506
BNGF11362	Mud	75.44	47.837463	1.358013
BNGF11363	M-C Sand	60.76	47.719547	0.456493
BNGF15502	Mud	110.885	40.1750344	0.9281415
BNGF15506	VF-F Sand	177.542	50.2338844	1.8117936
BNGF15511	VF-F Sand	156.475	49.5408094	1.7406164
BNGF15514	Mud	127.409	42.9638781	1.4138171
BNGF15517	VF-F Sand	123.71	39.64955	1.1641793
BNGF15521	M-C Sand	132.619	46.3299031	1.3672982
BNGF15526	VF-F Sand	140.761	43.5057938	0.9710433
BNGF15530	VF-F Sand	152.913	47.8049531	1.173292
BNGF15535	VF-F Sand	150.595	46.9293344	1.8673852
BNGF15538	Mud	174.303	44.6431563	1.7501396
BNGF15541	VF-F Sand	73.054	48.3482438	0.5559547
BNGF15544	VF-F Sand	86.655	47.5351438	0.7170839
BNGF15549	Mud	72.574	34.8037969	0.1284933
BNGF15549.5	M-C Sand	56.221	50.3350031	0.4217149
BNGF15550	Mud	84.13	41.995575	0.2377138
BNGF15555	Mud	73.56	44.5256656	0.2714427
BNGF15556	M-C Sand	45.561	48.5086156	0.3509667
BNGF15561	M-C Sand	56.831	51.2538281	0.288927
BNGF15567	M-C Sand	47.745	53.9018125	0.254526
BNGF16002	Mud	90.17	30.052069	0.879078
BNGF16003	VF-F Sand	131.92	39.007828	1.246537
BNGF16008	VF-F Sand	156.76	46.049913	1.856493
BNGF16017	VF-F Sand	146.89	47.404569	1.261396
BNGF16021	M-C Sand	130.57	42.168088	1.128913
BNGF16026	M-C Sand	141.18	47.698278	1.308526
BNGF16032	VF-F Sand	154.46	50.143563	1.787781
BNGF16037	Mud	143.61	41.190084	1.177038
BNGF16041	Mud	115.01	39.899684	0.966718
BNGF16046	Mud	84.95	39.190469	0.445558
BNGF16047	Mud	88.29	39.413	0.469533
BNGF16050	Mud	114.92	40.646331	0.921029
BNGF16055	Mud	73.43	43.700231	0.171142
BNGF16058	Mud	86.51	40.582081	0.122875
BNGF16059	Mud	84.07	36.186216	0.162054
BNGF16064	Mud	74.13	41.155894	0.243122
BNGF16069	Mud	81.93	41.097775	0.271611

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGF16070	Mud	80.03	42.132053	0.291078
BNGF16073	Mud	76.47	39.854675	0.302545
BNGF16502	VF-F Sand	157.55	47.627119	1.470767
BNGF16503	Mud	121.68	34.727197	1.281685
BNGF16509	Mud	113.16	35.026453	1.191299
BNGF16511	VF-F Sand	155.04	48.591513	1.441908
BNGF16518	VF-F Sand	161.44	44.808544	1.495867
BNGF16520	VF-F Sand	141.66	44.937656	1.164904
BNGF16524	VF-F Sand	148.42	41.048188	1.11547
BNGF16529	VF-F Sand	134.11	50.191131	0.999284
BNGF16534	Mud	93.28	33.765338	0.880755
BNGF16538	Mud	74.45	31.360863	0.445262
BNGF16543	Mud	73.17	32.910209	0.38126
BNGF16547	Mud	63.47	31.959978	0.315439
BNGF16552	Mud	37.84	25.273136	0.176961
BNGF16556	Mud	69.7	33.372547	0.291715
BNGF16561	M-C Sand	111.78	44.130269	0.758597
BNGF16566	Mud	82.18	35.626569	0.213131
BNGF17002	VF-F Sand	166.68	46.643772	1.500892
BNGF17003	Mud	144.69	44.848791	1.592324
BNGF17008	Mud	116.8	43.140209	1.016643
BNGF17009	Peat	31.19	6.837807	2.287563
BNGF17011	Mud	128.23	41.112744	1.529677
BNGF17014	VF-F Sand	147.55	46.340638	1.474002
BNGF17018	VF-F Sand	122.28	42.247316	1.130163
BNGF17023	Mud	113.14	40.359619	1.104866
BNGF17027	M-C Sand	130.13	40.699591	1.443292
BNGF17032	M-C Sand	158	41.291594	1.542397
BNGF17038	VF-F Sand	147.35	42.209541	1.408697
BNGF17041	M-C Sand	138.29	41.701759	1.23166
BNGF17043	Mud	116.15	41.841359	0.831043
BNGF17047	VF-F Sand	175.34	41.393538	1.745113
BNGF17049	VF-F Sand	161.47	40.879863	1.914256
BNGF17602	VF-F sand	152.58	45.568678	1.540406
BNGF17606	Mud	112.42	40.950809	0.902842
BNGF17608	Peat	55.5	17.935761	1.557607
BNGF17609	Mud	92.15	41.440859	0.728784
BNGF17611	Mud	38.05	38.530722	0.223002
BNGF17615	Mud	47.42	37.253331	0.206103
BNGF17617	Mud	41.44	33.285038	0.274519
BNGF17618	Mud	56.95	40.017594	0.270723
BNGF17620	VF-F sand	114.44	46.615338	0.980219
BNGF17624	M-C Sand	128.31	42.848063	1.697324
BNGF17629	M-C Sand	137.85	42.131194	1.315787
BNGF17634	Mud	80.81	40.097113	0.496707
BNGF17638	Mud	67.21	42.303047	0.387996
BNGF17643	Mud	90.36	34.269413	1.091269
BNGF18102	VF-F Sand	158.97	48.617909	1.817551
BNGF18106	Mud	68.11	27.661166	0.697377
BNGF18108	Mud	86.31	34.360881	0.924019
BNGF18112	Mud	81.28	32.003013	0.635898
BNGF18120	Mud	82.09	34.970038	0.385032
BNGF18123	VF-F Sand	146.55	39.840503	1.559604
BNGF181E02	Mud	100.92	36.989806	0.969252
BNGF181E05	Mud	86.49	34.463981	0.824238
BNGF181E08	Mud	107.96	38.681563	1.409044
BNGF181E10	Mud	45.02	34.685809	0.174897
BNGF181E11	VF-F Sand	53.83	41.529859	0.19544
BNGF181E12	Mud	60.42	38.536503	0.252925
BNGF181E15	VF-F Sand	83.38	44.823456	0.71728
BNGF181E18	VF-F Sand	105.74	41.864625	0.697077
BNGF181E21	Mud	70.48	36.482	0.360578
BNGF181E24	Mud	71.86	35.141728	0.494431
BNGF181E25	Mud	82.3	39.922103	0.552344
BNGF18702	Mud	128.08	43.0247844	1.2025963

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGF18706	Mud	112.582	41.2786156	0.8864536
BNGF18711	VF-F Sand	151.23	49.8490281	1.808076
BNGF18715	VF-F Sand	152.751	47.7854469	2.0361877
BNGF18720	VF-F Sand	159.706	49.0634094	1.5288314
BNGF18724	Mud	61.107	29.9018031	0.5256019
BNGF18729	Mud	90.75	43.3041031	0.5210911
BNGF18734	Mud	128.495	41.4284313	1.5111973
BNGF18740	Mud	67.611	38.2505	0.4440459
BNGF18741	VF-F Sand	146.583	44.0967656	1.4003148
BNGF18743	Mud	55.485	43.5980281	0.2347734
BNGF18747	Mud	78.248	36.9625906	0.4030146
BNGF18750	VF-F Sand	116.538	43.2827719	1.0820692
BNGF18755	VF-F Sand	131.389	44.5914469	1.0806102
BNGF18759	Mud	144.67	43.0339625	1.3342318
BNGF19202	VF-F Sand	153.962	46.9465344	1.875565
BNGF19206	VF-F Sand	159.281	53.5932875	1.0810174
BNGF19211	M-C Sand	129.788	49.5034375	0.8451792
BNGF19215	VF-F Sand	166.289	49.73065	1.068013
BNGF19220	M-C Sand	156.059	50.618625	1.3211746
BNGF19224	VF-F Sand	149.476	51.1073531	1.2222224
BNGF19229	Mud	73.301	39.0542406	0.5395977
BNGF19234	Mud	64.539	47.2499219	0.2330402
BNGF19238	Mud	82.985	46.1519813	0.4052956
BNGF19240	M-C Sand	106.443	49.8851313	0.8775501
BNGF19241	Mud	76.71	45.3989156	0.365591
BNGF19243	VF-F Sand	116.349	48.08	0.8724755
BNGF19247	M-C Sand	97.917	47.6696875	0.7633049
BNGF19252	VF-F Sand	90.576	50.3759813	0.678935
BNGF19256	VF-F Sand	140.857	41.2183813	1.1562848
BNGF19261	M-C Sand	113.908	44.0911344	0.9598864
BNGF19266	M-C Sand	112.734	42.3719313	0.7900603
BNGF19270	VF-F Sand	158.993	41.5522469	1.4329194
BNGF19275	VF-F Sand	111.304	40.9304906	1.0555126
BNGF19279	VF-F Sand	108.757	40.9581188	0.8569548
BNGF19702	VF-F Sand	144.472	43.2969594	1.4427991
BNGF19706	Mud	130.559	44.7587594	1.4524402
BNGF19712	Mud	93.354	35.5565844	0.6654511
BNGF19718	Mud	83.088	37.2283844	0.3889639
BNGF19723	VF-F Sand	149.77	45.1348531	1.3030809
BNGF19727	Mud	128.341	43.5888	1.1751195
BNGF19729	Mud	86.673	40.5820469	0.6582727
BNGF19730	Mud	99.633	43.4973938	0.8377173
BNGF19732	Mud	76.493	36.7978156	0.4623055
BNGF19737	Mud	54.158	45.9110188	0.2111926
BNGF19738	VF-F Sand	90.806	42.9651906	0.6888479
BNGF20102	Mud	37.007	41.8075281	0.1231135
BNGF20105	VF-F Sand	60.721	45.698925	0.1792043
BNGF20109	M-C Sand	106.361	44.9780938	0.7032794
BNGF20114	M-C Sand	96.31	46.2475125	0.6709305
BNGF20115	Mud	48.638	44.2877438	0.3136869
BNGF20117	Mud	68.669	44.7543438	0.3597104
BNGF20120	Mud	80.072	40.4628688	0.5565828
BNGF20124	Mud	44.803	41.7102219	0.228296
BNGF20127	Mud	49.157	39.4711625	0.2445561
BNGF20132	Mud	60.7	41.3714781	0.4043731
BNGF20134	Mud	67.207	47.5293625	0.4432724
BNGF20135	Mud	71.363	46.2201188	0.5917036
BNGF20137	Mud	68.728	42.8157	0.5166625
BNGF20138	Mud	56.157	34.6265344	0.3630359
BNGF20502	Mud	26.76	35.448838	0.130433
BNGF20506	Mud	68.93	28.553722	1.043577
BNGF20508	Mud	69.48	48.157353	0.324571
BNGF20511	Mud	81.25	36.567572	0.665852
BNGF20514	Mud	80.06	39.380238	0.622218
BNGF20515	Mud	104.08	43.248494	0.890239

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGF20517	Mud	66.65	40.431213	0.434327
BNGF20521	Mud	73.42	43.814172	0.574858
BNGF20524	Mud	38.3	43.968263	0.236098
BNGF20526.5	Mud	72.45	36.553925	0.48746
BNGF20527	VF-F Sand	74.02	40.448172	0.537693
BNGF20532	VF-F Sand	82.53	39.763006	0.568976
BNGF20537	VF-F Sand	129.17	40.142509	1.126327
BNGF20541	VF-F Sand	116.73	38.771028	0.815512
BNGF20546	VF-F Sand	126.45	40.451144	1.027346
BNGF20549	VF-F Sand	133.27	43.708209	1.009563
BNGF21102	Mud	33.434	42.3035781	0.0645441
BNGF21103	Mud	44.747	42.8188906	0.0692515
BNGF21108	Mud	57.501	43.6381094	0.1827513
BNGF21112	Mud	61.333	43.6066656	0.2028127
BNGF21117	Mud	79.876	47.1184813	0.4799313
BNGF21118	Mud	86.377	44.2845844	0.5924188
BNGF21123	Mud	87.113	38.9628406	0.6167065
BNGF21126	Mud	104.562	38.3547219	0.8014223
BNGFS00102	Mud	50.097	31.4513688	0.2819978
BNGFS00105	VF-F Sand	69.873	37.0390219	0.4532964
BNGFS00106	Mud	60.053	30.1217969	0.3693508
BNGFS00108	VF-F Sand	90.69	41.8427813	0.5697556
BNGFS00112	VF-F Sand	129.157	44.9126906	1.0176419
BNGFS00114	VF-F Sand	126.667		1.0591691
BNGFS00117	M-C Sand	117.441	41.83805	0.5774064
BNGFS00121	VF-F Sand	131.899	43.0073906	0.8913375
BNGFS00126	VF-F Sand	119.868	38.8456875	0.6725604
BNGFS00130	VF-F Sand	123.265	40.7169406	0.779456
BNGFS00135	M-C Sand	119.95	39.0516313	0.6559671
BNGFS00140	M-C Sand	105.935	37.4974969	0.5869455
BNGFS00144	M-C Sand	118.632	48.1970844	0.6969561
BNGFS00149	M-C Sand	124.653	44.2477844	0.9780488
BNGFS00150	M-C Sand	95.305	41.2504875	0.6530306
BNGFS00202	Mud	110.461	36.1573313	2.256066
BNGFS00203	VF-F sand	154.629	46.4922156	1.8122908
BNGFS00208	M-C sand	139.458	43.9472281	2.0102295
BNGFS00212	VF-F sand	139.794	45.4653781	2.4385771
BNGFS00217	VF-F sand	130.817	42.7167375	1.8090746
BNGFS00221	VF-F sand	149.191	45.3401	1.774085
BNGFS00226	M-C sand	121.872	48.2213719	1.9626646
BNGFS00227	M-C sand	127.362	49.3955156	2.1386848
BNGFS00234	M-C sand	125.739	47.0798219	1.7879652
BNGFS00237	M-C sand	144.776	45.8760438	1.5162554
BNGFS00241	M-C sand	105.892	45.9977656	1.6209314
BNGFS00302	VF-F sand	149.23	44.869378	1.182606
BNGFS00306	VF-F sand	141	46.736391	1.044017
BNGFS00311	M-C sand	131.59	51.633359	0.666887
BNGFS00315	M-C sand	130.66	49.172597	0.883752
BNGFS00320	M-C sand	156.26	49.817159	1.626837
BNGFS00324	M-C sand	136.85	50.722294	0.855031
BNGFS00326	M-C sand	127.96	51.533941	1.203269
BNGFS00327	VF-F sand	131.89	36.303144	0.761663
BNGFS00330	M-C sand	102.52	48.925366	0.862546
BNGFS00332	M-C sand	145.49	42.494991	0.965905
BNGFS00335	M-C sand	99.41	39.822584	0.478499
BNGFS00402	VF-F sand	151.97	44.546219	1.571985
BNGFS00406	M-C sand	138.92	39.867209	0.979075
BNGFS00411	M-C sand	115.63	51.639559	0.815455
BNGFS00412	M-C sand	117.3	49.047747	0.926011
BNGFS00417	M-C sand	161.44	49.592469	1.452012
BNGFS00421	M-C sand	131.34	49.233897	1.054164
BNGFS00426	VF-F sand	146.07	48.831259	1.093627
BNGFS00427	M-C sand	134.97	49.120838	1.076229
BNGFS00432	M-C sand	150.46	38.648372	1.320695
BNGFS00437	M-C sand	120.38	52.860231	0.92233

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGFS00441	M-C sand	124.29	41.158225	0.816465
BNGFS00446	M-C sand	155.04	49.556766	1.468379
BNGFS00450	M-C sand	131.56	46.882813	1.130797
BNGFS00455	VF-F sand	168.87	49.638491	1.710936
BNGFS00456	M-C sand	139.85	37.345078	0.777433
BNGFS00461	VF-F sand	157.86	50.43685	1.212687
BNGFS00462	M-C sand	34.76	43.484716	0.56736
BNGG00702	Mud	69.03	38.215313	1.424989
BNGG00706	Mud	69.08	42.495025	1.214342
BNGG00711	Mud	88.6	40.988569	2.683905
BNGG00715	Mud	100.22	41.923638	3.313768
BNGG00720	Mud	101.59	42.076013	3.372038
BNGG00723	VF-F Sand	94.99	44.002197	3.600761
BNGG00727	VF-F Sand	95.61	47.299816	3.775957
BNGG00732	VF-F Sand	94.23	45.224125	3.891893
BNGG00737	VF-F Sand	96.81	46.587216	3.640326
BNGG00741	VF-F Sand	94.25	44.274944	2.817411
BNGG00747	VF-F Sand	93.64	44.961897	2.815852
BNGG00750	M-C Sand	82.44	48.2265	1.867841
BNGG00752	Mud	91.95	41.459084	2.901756
BNGG00756	M-C Sand	117.55	47.774531	2.262126
BNGG00761	M-C Sand	101.24	46.385566	3.325536
BNGG00766	M-C Sand	106.08	45.734825	3.042288
BNGG00770	M-C Sand	89.69	47.8167	2.817416
BNGG00775	M-C Sand	115.35	45.607831	1.729669
BNGG00779	Mud	121.96	39.671469	3.152077
BNGG01302	Mud	69.8	46.241753	1.057449
BNGG01306	Mud	92.46	48.522663	3.315006
BNGG01308	VF-F Sand	90.85	47.966541	2.027143
BNGG01312	VF-F Sand	87.45	51.728641	2.005105
BNGG01317	VF-F Sand	92.51	47.487988	2.546571
BNGG01320	Mud	92.4	49.494203	2.881189
BNGG01321	VF-F Sand	82.39	54.66825	1.99283
BNGG01326	VF-F Sand	86.06	51.037056	1.96404
BNGG01330	VF-F Sand	84.52	52.659	1.649797
BNGG01335	Mud	77.35	43.734975	2.452456
BNGG01337	VF-F Sand	90.59	48.406453	2.04468
BNGG01341	VF-F Sand	85.76	43.284509	1.484542
BNGG01346	VF-F Sand	87.75	44.340797	1.881944
BNGG01350	VF-F Sand	94.4	53.484463	2.442223
BNGG01355	VF-F Sand	89.81	50.181263	1.888484
BNGG01359	VF-F Sand	94.44	52.397188	2.511664
BNGG01364	VF-F Sand	96.94	50.400903	2.180093
BNGG01367	M-C Sand	87.19	51.004241	1.83658
BNGG01370	M-C Sand	105.19	46.099347	1.780437
BNGG01371	Mud	96.53	45.986994	1.269333
BNGG01376	Mud	104.95	42.477384	0.945048
BNGG01902	Mud	72.08	40.564516	1.529705
BNGG01906	VF-F Sand	89.05	46.57825	2.077289
BNGG01911	VF-F Sand	90.44	51.002416	2.475115
BNGG01915	VF-F Sand	86.45	49.607294	1.666155
BNGG01920	VF-F Sand	85.21	52.842219	2.141864
BNGG01924	VF-F Sand	87.84	56.205544	1.660584
BNGG01926.5	Mud	64.7	43.971106	0.610951
BNGG01927	VF-F Sand	90.25	47.877919	1.759953
BNGG01929	VF-F Sand	96.99	50.062697	2.300137
BNGG01932	VF-F Sand	92.36	53.654425	2.398173
BNGG01937	VF-F Sand	95.26	52.498913	2.399147
BNGG01941	VF-F Sand	95.75	55.747856	2.683974
BNGG01946	VF-F Sand	84.03	50.795575	2.080798
BNGG01950	VF-F Sand	88.69	51.913334	2.615636
BNGG01955	M-C Sand	91.22	53.916	2.013593
BNGG01958	M-C Sand	96.79	51.698728	1.563211
BNGG01959	M-C Sand	79.9	47.988766	1.568344
BNGG01962	Mud	66.48	40.905184	1.433094

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG01963	M-C Sand	85.68	44.872638	1.839656
BNGG01967	M-C Sand	88.41	47.262831	1.737345
BNGG01971	M-C Sand	92.05	55.9007	1.7688
BNGG01976	M-C Sand	85.69	43.812397	1.192487
BNGG01981	M-C Sand	106.08	50.969925	3.177178
BNGG01985	M-C Sand	109.42	53.614869	2.93402
BNGG01990	M-C Sand	105.07	48.763081	3.183615
BNGG01991	M-C Sand	84.44	43.257728	1.356694
BNGG02602	Mud	69.69	36.368331	2.368658
BNGG02606	Mud	79.64	43.879675	2.617694
BNGG02611	Mud	90.72	44.197888	3.145743
BNGG02612	VF-F Sand	96.5	49.886122	3.03852
BNGG02617	VF-F Sand	89.94	50.39975	2.586434
BNGG02621	VF-F Sand	92.43	46.650828	2.554452
BNGG02626	VF-F Sand	91.13	49.289603	2.52692
BNGG02630	VF-F Sand	92.1	53.379513	2.931077
BNGG02635	VF-F Sand	89.52	52.899125	3.237911
BNGG02640	VF-F Sand	94.61	49.999613	2.37952
BNGG02643	VF-F Sand	89.06	50.807113	2.779341
BNGG02644	VF-F Sand	95.96	50.729234	2.69576
BNGG02647	Mud	91.72	45.626122	3.673681
BNGG02652	VF-F Sand	94.54	45.402666	1.742633
BNGG02656	VF-F Sand	93.67	40.921088	2.21144
BNGG02661	VF-F Sand	96.87	48.221416	2.130139
BNGG02666	VF-F Sand	94.7	47.910022	2.917392
BNGG02670	VF-F Sand	95.92	49.432391	2.791117
BNGG02675	VF-F Sand	95.66	46.769091	1.962806
BNGG02679	VF-F Sand	103.48	42.946247	2.117832
BNGG02684	VF-F Sand	97.85	46.009516	2.778465
BNGG02688	VF-F Sand	109.47	42.573747	2.283927
BNGG02691	VF-F Sand	103.06	47.190203	3.098159
BNGG03202	Mud	110.35	36.962906	3.916348
BNGG03206	Mud	65.58	30.920991	1.812884
BNGG03211	Mud	46.96	32.197641	1.347304
BNGG03214	Peat	27.41	14.177644	1.443326
BNGG03217	Mud	60.9	35.344713	0.932359
BNGG03221	Mud	56.28	31.769972	1.350373
BNGG03226	VF-F Sand	88.73	45.472525	2.245485
BNGG03227	VF-F Sand	88.55	43.963294	2.117783
BNGG03230	VF-F Sand	83.48	42.048275	2.059417
BNGG03235	VF-F Sand	91.49	50.975956	2.587969
BNGG03240	VF-F Sand	88.31	48.805775	2.146109
BNGG03244	VF-F Sand	86.74	43.909288	2.103996
BNGG03249	VF-F Sand	96.73	49.675231	2.293609
BNGG03253	VF-F Sand	92.07	44.795691	2.032955
BNGG03258	VF-F Sand	95.06	51.960544	3.221707
BNGG03263	VF-F Sand	84.2	41.103403	2.118195
BNGG03264	VF-F Sand	101.18	52.27555	3.107713
BNGG03267	Mud	98.67	36.89245	3.384136
BNGG03269	VF-F Sand	106.09	43.851144	2.934978
BNGG03273	VF-F Sand	108.08	45.616994	1.668605
BNGG03278	VF-F Sand	91.99	41.444378	1.956887
BNGG03282	VF-F Sand	93.03	51.515619	2.589144
BNGG03287	VF-F Sand	90.01	42.187341	1.508004
BNGG03288	VF-F Sand	101.98	40.382594	2.722405
BNGG03289	Mud	84.17	30.648616	2.895179
BNGG03291	M-C Sand	93.09	40.366413	1.548314
BNGG03902	Mud	64.83	42.924925	0.804229
BNGG03905	VF-F Sand	88.21	52.135941	2.365426
BNGG03909	VF-F Sand	85.24	47.275813	2.271961
BNGG03914	VF-F Sand	94.04	47.550156	2.598559
BNGG03918	VF-F Sand	93.28	49.916775	2.446863
BNGG03920	VF-F Sand	91.99	53.7181	1.806537
BNGG03923	VF-F Sand	83.12	49.5141	1.852041
BNGG03927	VF-F Sand	88.68	52.531531	2.289306

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG03932	VF-F Sand	93.85	50.722156	2.910534
BNGG03937	M-C Sand	93.05	51.893178	2.446502
BNGG03941	VF-F Sand	92.93	49.051709	2.557359
BNGG03946	VF-F Sand	99.98	50.292813	2.694257
BNGG03949	M-C Sand	106.88	51.145525	1.949163
BNGG03950	M-C Sand	119.18	47.412619	1.93931
BNGG03952	M-C Sand	103.22	51.481806	3.19991
BNGG03956	VF-F Sand	103.02	50.287878	3.45256
BNGG03961	VF-F Sand	94.97	51.154466	2.974483
BNGG03966	VF-F Sand	98.92	51.919078	2.544007
BNGG03970	M-C Sand	120.47	48.716356	2.221458
BNGG03975	M-C Sand	111.38	50.718147	2.620428
BNGG03979	M-C Sand	113.66	51.16505	2.506567
BNGG03982	M-C Sand	116.03	49.992684	1.511036
BNGG03984	M-C Sand	100.22	49.332997	2.282317
BNGG03988	VF-F Sand	112.19	52.425947	2.751355
BNGG03991	VF-F Sand	106.51	41.513053	1.471858
BNGG04502	Mud	74.07	51.234444	0.858943
BNGG04503	VF-F Sand	90.94	53.339488	2.357035
BNGG04508	VF-F Sand	97.1	53.729256	2.323968
BNGG04512	VF-F Sand	71.06	37.161869	1.481146
BNGG04517	VF-F Sand	94.34	51.351956	2.250388
BNGG04518	VF-F Sand	94.57	53.814963	1.656713
BNGG04521	VF-F Sand	91.24	48.865338	1.886733
BNGG04526	VF-F Sand	88.77	50.219319	1.653679
BNGG04530	VF-F Sand	88.74	51.132747	1.833368
BNGG04532	Mud	77.8	45.798778	1.898265
BNGG04537	VF-F Sand	98.61	50.521869	2.901163
BNGG04541	VF-F Sand	93.18	44.997294	2.820543
BNGG04546	VF-F Sand	99.01	52.251494	1.706182
BNGG04550	VF-F Sand	99.06	50.881841	1.868945
BNGG04555	VF-F Sand	109.43	50.772906	1.831522
BNGG04559	VF-F Sand	97.02	50.662941	1.961539
BNGG04564	M-C Sand	111.92	52.667881	1.623251
BNGG04569	VF-F Sand	127.78	51.116784	1.02005
BNGG04573	M-C Sand	107.31	52.487481	1.113648
BNGG04577	Mud	115.31	39.590969	1.011955
BNGG04578	M-C Sand	134	51.810278	1.342739
BNGG04581	VF-F Sand	94.77	47.182703	1.222255
BNGG04585	VF-F Sand	81.78	29.243528	0.710882
BNGG04588	VF-F Sand	95.6	47.486044	1.55313
BNGG04591	VF-F Sand	86.02	41.524466	1.417423
BNGG05002	Mud	58.09	34.165941	1.312033
BNGG05003	Mud	69.26	38.7946	1.96424
BNGG05005	Mud	69.22	30.052938	1.511388
BNGG05006	VF-F Sand	77.73	43.814209	1.583711
BNGG05008	VF-F Sand	79.07	33.390972	1.677223
BNGG05011	VF-F Sand	80.33	44.387909	1.678328
BNGG05012	VF-F Sand	78.83	41.487178	1.861352
BNGG05015	VF-F Sand	91.26	51.927722	1.538753
BNGG05020	VF-F Sand	78.86	41.770791	1.543549
BNGG05021	VF-F Sand	93.95	54.316731	2.06392
BNGG05024	VF-F Sand	75.51	43.239994	1.923144
BNGG05029	VF-F Sand	77.38	44.892231	1.883138
BNGG05034	M-C Sand	76.12	37.216363	1.538941
BNGG05038	VF-F Sand	72.59	36.5763	1.531628
BNGG05043	VF-F Sand	78.15	41.900741	1.453636
BNGG05047	VF-F Sand	79.99	45.957888	2.105366
BNGG05052	VF-F Sand	88.54	43.34695	2.527789
BNGG05056	VF-F Sand	90.39	50.218872	2.386638
BNGG05061	M-C Sand	94.26	50.687294	2.233851
BNGG05064	M-C Sand	101.06	51.172791	1.949402
BNGG05066	M-C Sand	85.55	40.914388	1.578699
BNGG05067	M-C Sand	93.69	39.714028	1.556384
BNGG05072	M-C Sand	102.84	39.183081	1.516709

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG05076	M-C Sand	110.73	36.289791	1.787835
BNGG05081	VF-F Sand	95.23	45.288925	2.063943
BNGG05085	M-C Sand	108.15	42.197997	1.717786
BNGG05087	Mud	86.43	30.803022	1.30348
BNGG05088	Mud	91.14	29.008478	1.433606
BNGG05090	Mud	127.29	33.462872	4.346279
BNGG05502	Mud	73.76	33.068013	2.200567
BNGG05506	VF-F Sand	80.83	40.572147	1.415863
BNGG05511	VF-F Sand	85.72	47.070694	1.830156
BNGG05515	VF-F Sand	82.35	41.638606	1.642921
BNGG05518	VF-F Sand	83.53	41.233847	1.477846
BNGG05520	VF-F Sand	89.83	47.449663	2.415447
BNGG05521	VF-F Sand	92.15	53.444244	1.445977
BNGG05524	VF-F Sand	85.21	47.432313	2.111823
BNGG05529	VF-F Sand	88.79	51.640334	2.056888
BNGG05534	VF-F Sand	87.45	46.983422	2.029548
BNGG05538	VF-F Sand	90.13	48.852431	2.332118
BNGG05543	VF-F Sand	86.25	46.032747	1.983174
BNGG05546	Mud	83.29	31.076797	2.470723
BNGG05550	Mud	93.38	34.962734	2.675041
BNGG05555	Mud	93.29	44.483388	1.561597
BNGG05556	VF-F Sand	94.84	47.039106	2.399616
BNGG05559	Mud	80.71	35.448378	0.776621
BNGG05563	VF-F Sand	122.07	51.140309	1.918593
BNGG05567	M-C Sand	140.53	50.886438	1.258145
BNGG05572	M-C Sand	137.69	45.513716	1.696389
BNGG05576	M-C Sand	120.35	45.088534	1.555381
BNGG05578	M-C Sand	128.32	46.313497	1.384959
BNGG05579	Mud	81.92	38.431356	0.939172
BNGG05584	Mud	104.93	37.161634	3.0518
BNGG05591		114.93	40.164031	2.898691
BNGG06002	Mud	75.31	31.729972	2.851887
BNGG06006	Mud	92.77	48.850391	2.705268
BNGG06011	VF-F Sand	91.72	46.831347	1.636847
BNGG06015	VF-F Sand	99.3	43.085094	1.829721
BNGG06020	VF-F Sand	98.37	44.755888	2.418298
BNGG06024	VF-F Sand	98.54	45.833944	2.196796
BNGG06026	VF-F Sand	94.8	48.282603	2.037638
BNGG06029	VF-F Sand	92.16	44.908853	1.872595
BNGG06034	VF-F Sand	99.21	47.227638	2.292759
BNGG06035	Mud	79.86	38.443213	1.513919
BNGG06037	Mud	207.37	34.174525	10.682755
BNGG06038	Mud	68.39	49.319263	0.705402
BNGG06040	Mud	67.98	49.802347	0.521919
BNGG06041	Mud	95.5	46.174281	0.679658
BNGG06044	Mud	101.36	45.500816	0.870875
BNGG06046	M-C Sand	132.47	46.323328	1.523993
BNGG06050	M-C Sand	143.47	45.483659	1.857142
BNGG06055	M-C Sand	159.2	44.464706	1.428387
BNGG06056	M-C Sand	165.73	44.229913	1.626032
BNGG06059	M-C Sand	160.43	42.936709	1.416046
BNGG06064	M-C Sand	149.8	45.913803	1.618377
BNGG06067	Mud	132.8	48.137588	1.105594
BNGG06069	M-C Sand	155.04	46.321128	1.327369
BNGG06073	M-C Sand	135.54	47.483094	1.298834
BNGG06078	M-C Sand	153.78	44.823513	1.600021
BNGG06079	M-C Sand	139.33	49.525488	1.35318
BNGG06082	M-C Sand	114.12	46.790878	1.120969
BNGG06085	M-C Sand	145.3	46.696075	1.406854
BNGG06502	Mud	54.36	27.106359	1.157481
BNGG06506	Mud	55.67	30.693372	0.62096
BNGG06511	Mud	71.85	32.441559	2.191565
BNGG06515	Mud	60.71	31.385841	1.771448
BNGG06520	Mud	90.41	35.611822	2.731013
BNGG06524	Mud	87.07	31.293506	2.619449

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG06529	Mud	91.97	37.931872	2.413831
BNGG06532	VF-F Sand	109.48	44.689056	3.681963
BNGG06534	VF-F Sand	87.29	37.903403	2.224877
BNGG06538	Mud	55.52	32.575022	0.2806
BNGG06543	Mud	63.87	35.980331	0.307838
BNGG06546	Mud	91.97	34.177431	0.559176
BNGG06547	VF-F Sand	82.05	30.899288	0.60102
BNGG06552	VF-F Sand	101.72	31.872594	0.736257
BNGG06553	VF-F Sand	118.41	34.883228	0.824768
BNGG06558	VF-F Sand	147.29	37.152375	1.205309
BNGG06559	VF-F Sand	146.84	41.811931	1.288594
BNGG06563	VF-F Sand	152.16	35.431641	1.419203
BNGG06567	M-C Sand	155.42	38.428288	1.08517
BNGG06572	M-C Sand	126.63	16.381311	1.022739
BNGG06576	VF-F Sand	171.91	35.789113	1.359919
BNGG06581	VF-F Sand	156.86	35.504	1.334387
BNGG06587	VF-F Sand	108.4	41.668138	1.125225
BNGG06588	VF-F Sand	115.27	38.447419	1.855844
BNGG06591	Mud	114.24	41.407613	5.16514
BNGG07002	Mud	69.05	33.845206	1.366784
BNGG07006	Mud	52.49	31.15335	0.782428
BNGG07009	VF-F Sand	85.31	40.421338	1.856901
BNGG07011	VF-F Sand	95.49	46.117697	2.136147
BNGG07012	VF-F Sand	83.96	42.133581	1.794672
BNGG07014	VF-F Sand	97	47.087106	1.711845
BNGG07017	VF-F Sand	86.13	44.443694	1.516321
BNGG07021	Mud	63.91	35.213034	1.944099
BNGG07026	Mud	100.1	44.759838	2.483902
BNGG07027	VF-F Sand	85.09	38.160922	1.691771
BNGG07029	VF-F Sand	98.76	47.670706	2.043835
BNGG07034	VF-F Sand	89.87	43.34915	2.099678
BNGG07038	VF-F Sand	83.22	39.904078	1.797395
BNGG07043	M-C Sand	125.32	48.3232	1.373285
BNGG07046	M-C Sand	137.98	48.444991	1.609797
BNGG07047	M-C Sand	125.64	46.0651	2.021055
BNGG07052	M-C Sand	109.19	41.647559	1.586175
BNGG07056	VF-F Sand	85.86	41.059438	2.048127
BNGG07061	VF-F Sand	84.12	41.151231	2.168234
BNGG07063	VF-F Sand	99.12	41.251519	2.506648
BNGG07067	VF-F Sand	74.09	39.497978	1.494006
BNGG07069	M-C Sand	118.77	39.709291	1.51823
BNGG07073	M-C Sand	147.77	41.834859	1.85635
BNGG07078	M-C Sand	126.09	45.252691	1.974492
BNGG07082	M-C Sand	132.78	46.854266	1.930931
BNGG07087	M-C Sand	141.3	49.613153	1.76112
BNGG07090	M-C Sand	176.99	48.360778	1.732467
BNGG07091	M-C Sand	100.72	53.777969	1.544898
BNGG07502	Mud	88	36.2519	2.3644
BNGG07506	Mud	101.86	46.247472	2.632387
BNGG07511	Mud	96.6	46.422053	2.574365
BNGG07515	Mud	103.18	44.164175	2.705426
BNGG07518	VF-F Sand	94.77	47.807956	1.67031
BNGG07520	Peat	82.43	15.61563	5.463771
BNGG07521	VF-F Sand	108.06	47.657297	2.044761
BNGG07526	VF-F Sand	95.36	46.699541	1.860391
BNGG07527	Mud	83.28	39.848944	3.344413
BNGG07532	Mud	96.24	43.313231	2.713014
BNGG07537	Mud	80.49	40.104103	2.048121
BNGG07540	VF-F Sand	121.35	47.702606	1.459979
BNGG07541	VF-F Sand	153.5	51.887072	1.253061
BNGG07544	VF-F Sand	119.61	44.778488	1.654785
BNGG07549	VF-F Sand	149.86	46.57925	1.622721
BNGG07553	VF-F Sand	159.35	44.347547	1.076431
BNGG07555	VF-F Sand	165.69	48.481472	1.653667
BNGG07558	VF-F Sand	155.88	42.414713	1.391525

Continues on next page

Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG07563	VF-F Sand	151.84	45.627463	1.677453
BNGG07566	Mud	106.89	36.622888	2.416279
BNGG07567	VF-F Sand	170.08	48.928197	1.646784
BNGG07571	VF-F Sand	157.88	49.364478	1.684016
BNGG07576	VF-F Sand	137.18	53.428319	1.263226
BNGG07581	VF-F Sand	175.5	46.070463	1.508486
BNGG07585	VF-F Sand	154.68	47.846691	1.216119
BNGG07591	VF-F Sand	157.42	48.213816	1.356936
BNGG08002	Mud	72.6	25.889956	3.762156
BNGG08005	Mud	78.94	48.405541	1.245227
BNGG08006	VF-F Sand	89.54	52.652806	1.904476
BNGG08011	VF-F Sand	94.22	42.051531	2.23426
BNGG08015	M-C Sand	123.27	49.652138	1.523772
BNGG08020	M-C Sand	121.56	48.891641	1.861605
BNGG08024	VF-F Sand	103.62	49.853044	3.521022
BNGG08029	M-C Sand	128.65	51.152669	2.237634
BNGG08034	M-C Sand	116.04	50.063956	2.225523
BNGG08038	VF-F Sand	104.43	51.987125	3.035906
BNGG08043	VF-F Sand	102.03	49.810075	2.840332
BNGG08047	Mud	103.14	45.911613	3.185939
BNGG08052	Mud	94.8	37.761188	2.54252
BNGG08056	Mud	99.02	41.113234	2.641702
BNGG08061	Mud	88.88	39.668694	2.27884
BNGG08064	VF-F Sand	107.45	51.664744	2.484438
BNGG08069	M-C Sand	144.07	47.814653	1.829244
BNGG08070	M-C Sand	148.02	40.571356	1.486861
BNGG08073	M-C Sand	154.94	47.381284	2.015089
BNGG08074		111.63	43.818169	1.250811
BNGG08075	M-C Sand	153.51	44.829334	2.045521
BNGG08076	VF-F Sand	161.62	48.626325	1.928442
BNGG08081	M-C Sand	154.51	48.704044	1.770514
BNGG08085	M-C Sand	150.52	47.202572	1.28887
BNGG08088	M-C Sand	163.23	48.916072	2.089861
BNGG08090	M-C Sand	166.35	47.863131	1.623324
BNGG08091	M-C Sand	146.27	50.003578	1.865258
BNGG08502	VF-F Sand	108.27	44.189391	3.336328
BNGG08506	VF-F Sand	85.03	41.923438	1.60093
BNGG08511	VF-F Sand	100.31	51.280994	2.49548
BNGG08515	VF-F Sand	100.07	56.260431	1.902287
BNGG08520	VF-F Sand	102.51	47.773791	1.630858
BNGG08524	VF-F Sand	92.4	45.883309	1.749675
BNGG08529	VF-F Sand	100.6	52.515431	1.980989
BNGG08532	VF-F Sand	108.92	52.206	2.300627
BNGG08534	VF-F Sand	103.34	53.207463	2.269813
BNGG08538	VF-F Sand	99.08	48.594972	2.024704
BNGG08543	VF-F Sand	114.99	51.261472	2.25304
BNGG08547	VF-F Sand	108.19	49.865519	2.068071
BNGG08552	VF-F Sand	156.17	48.357488	1.568892
BNGG08556	VF-F Sand	157.2	47.623156	1.673558
BNGG08559	VF-F Sand	165.42	50.380234	1.45737
BNGG08561	VF-F Sand	152.36	48.678916	1.546118
BNGG08566	VF-F Sand	161.43	48.287409	1.588867
BNGG08570	VF-F Sand	158.13	44.428794	1.685235
BNGG08575	VF-F Sand	155.62	49.940978	1.733129
BNGG08579	VF-F Sand	154.47	49.657384	1.452443
BNGG08585	VF-F Sand	149.99	52.321203	0.960777
BNGG08588	M-C Sand	158.07	54.942906	1.63288
BNGG08591	VF-F Sand	153.2	56.045725	1.50238
BNGG09002	Peat	62.38	11.647027	4.107737
BNGG09003	Mud	97.51	43.698306	2.03718
BNGG09008	VF-F Sand	106.11	45.785234	3.215257
BNGG09012	VF-F Sand	106.21	50.694022	2.487996
BNGG09017	VF-F Sand	104.35	44.535981	2.032106
BNGG09021	VF-F Sand	101.11	46.214275	2.107252
BNGG09026	VF-F Sand	102.65	45.636406	2.381308

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG09030	M-C Sand	114.27	45.251938	1.916994
BNGG09034	M-C Sand	115.58	45.010859	1.770464
BNGG09035	VF-F Sand	111.74	45.101888	2.318864
BNGG09040	M-C Sand	135.18	45.412419	1.925739
BNGG09044	M-C Sand	101.69	43.431003	2.299787
BNGG09049	VF-F Sand	100.3	36.865728	2.670952
BNGG09053	VF-F Sand	123.49	49.071991	2.808742
BNGG09058	VF-F Sand	118.58	48.725006	2.665366
BNGG09063	VF-F Sand	133.67	48.507241	2.008097
BNGG09067	VF-F Sand	109.92	39.214728	1.741061
BNGG09072	M-C Sand	146.05	48.036778	2.008985
BNGG09076	M-C Sand	158.78	50.806259	1.601905
BNGG09081	M-C Sand	155.46	46.815172	1.850993
BNGG09085	M-C Sand	152.54	43.3975	1.891432
BNGG09090	M-C Sand	138.29	48.436481	2.618091
BNGG09091	M-C Sand	138.36	47.991575	2.185825
BNGG09502	Mud	120.69	39.923644	3.914346
BNGG09506	Mud	81.67	35.197053	4.070994
BNGG09511	VF-F Sand	88.63	42.593794	1.808175
BNGG09515	VF-F Sand	105.46	41.365856	3.279195
BNGG09520	VF-F Sand	105.68	45.2157	3.257211
BNGG09524	VF-F Sand	102.18	51.996275	1.60081
BNGG09527	VF-F Sand	101.19	46.347913	1.725982
BNGG09529	VF-F Sand	97.33	52.413913	1.848172
BNGG09534	VF-F Sand	100.88	44.818534	2.529892
BNGG09538	VF-F Sand	102.03	45.318788	2.101329
BNGG09540	Mud	95.31	36.939047	3.454902
BNGG09544	Mud	113.49	48.243266	1.661994
BNGG09549	VF-F Sand	140.12	47.836653	1.412186
BNGG09553	VF-F Sand	137.99	44.949744	1.583165
BNGG09555	VF-F Sand	137.71	44.19345	1.688223
BNGG09558	VF-F Sand	138.55	47.461938	1.392786
BNGG09563	VF-F Sand	146.16	45.965144	1.59702
BNGG09567	VF-F Sand	154.9	45.391403	1.708048
BNGG09572	VF-F Sand	156.47	46.649131	1.776412
BNGG09576	VF-F Sand	148.93	45.075969	1.956429
BNGG09581	VF-F Sand	132.21	46.437353	1.305934
BNGG09585	VF-F Sand	147.37	48.945647	1.71277
BNGG09587	VF-F Sand	151.27	52.736494	1.397112
BNGG09591	VF-F Sand	138.49	47.517919	1.821085
BNGG10002	Mud	117.01	48.141016	3.022924
BNGG10003	VF-F Sand	107.92	54.372175	2.812654
BNGG10008	VF-F Sand	97.94	53.422594	1.67336
BNGG10012	M-C Sand	110.1	54.919344	1.470284
BNGG10017	M-C Sand	96.31	52.297663	2.225904
BNGG10021	VF-F Sand	97.96	53.834125	2.714676
BNGG10029	VF-F Sand	101.66	52.275003	1.601847
BNGG10032	Mud	94.59	44.482341	2.164556
BNGG10037	VF-F Sand	101.24	54.670156	2.369367
BNGG10041	VF-F Sand	94.81	42.156059	1.823984
BNGG10046	VF-F Sand	109.93	51.742922	2.286187
BNGG10050	VF-F Sand	106.72	52.368419	1.912184
BNGG10055	M-C Sand	110.54	51.683263	2.831448
BNGG10059	VF-F Sand	125.67	50.958603	1.822541
BNGG10061	M-C Sand	135.65	53.273906	1.815547
BNGG10066	M-C Sand	151.96	48.352703	1.27561
BNGG10070	VF-F Sand	156.44	49.597031	1.450091
BNGG10075	M-C Sand	153.49	44.027797	1.380237
BNGG10079	M-C Sand	152.05	51.484056	1.448067
BNGG10084	M-C Sand	145.01	51.960719	1.480489
BNGG10088	M-C Sand	146.02	53.325388	1.543662
BNGG10091	M-C Sand	152.1	52.178478	1.735328
BNGG10502	Mud	72.33	42.13455	2.100274
BNGG10506	VF-F Sand	98.82	45.837297	2.273225
BNGG10511	VF-F Sand	92.22	45.540234	2.121176

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG10515	VF-F Sand	99.34	48.5005	2.446928
BNGG10517	VF-F Sand	93.86	50.319284	2.499291
BNGG10518	Mud	101.72	46.076909	2.257284
BNGG10521	VF-F Sand	92.77	49.54775	2.403772
BNGG10526	VF-F Sand	102.86	51.556109	2.080814
BNGG10530	VF-F Sand	104.09	50.991806	1.83627
BNGG10535	VF-F Sand	100.71	50.644025	2.431321
BNGG10540	VF-F Sand	145.04	52.730163	1.799542
BNGG10544	VF-F Sand	134.47	51.894647	1.923096
BNGG10549	VF-F Sand	85.17	29.756	2.093788
BNGG10553	VF-F Sand	122.43	51.236981	2.19064
BNGG10555	VF-F Sand	139.71	48.194628	1.843898
BNGG10558	VF-F Sand	141.41	50.142047	1.664316
BNGG10563	VF-F Sand	152.35	51.634784	2.003074
BNGG10567	VF-F Sand	128.64	51.093744	1.981336
BNGG10569	VF-F Sand	162.27	49.268472	1.65548
BNGG10573	VF-F Sand	156.45	50.813813	1.574412
BNGG10578	VF-F Sand	158.27	50.159253	1.824769
BNGG10579	Mud	123.41	41.488044	1.435249
BNGG10584	VF-F Sand	175.96	46.517519	1.633725
BNGG10585	VF-F Sand	159.8	52.5809	1.430101
BNGG10588	M-C Sand	148.38	45.616272	1.508266
BNGG10591	M-C Sand	182.76	49.232681	1.776781
BNGG11002	Mud	87.91	41.455956	2.107865
BNGG11006	VF-F Sand	142.47	46.128284	1.625353
BNGG11008	Mud	122.05	39.092025	1.170577
BNGG11012	Mud	137.51	41.787294	1.420096
BNGG11014	VF-F Sand	101.87	47.079731	2.16955
BNGG11018	VF-F Sand	97.41	48.975744	2.224574
BNGG11023	M-C Sand	108.39	48.435809	1.497195
BNGG11027	VF-F Sand	101.08	50.408516	1.826832
BNGG11032	VF-F Sand	95.04	51.660969	2.047536
BNGG11037	M-C Sand	117.46	47.074197	1.667678
BNGG11041	VF-F Sand	103.68	51.262209	1.796032
BNGG11046	VF-F Sand	101.89	50.024275	2.102529
BNGG11050	M-C Sand	125.6	41.712003	1.621979
BNGG11055	M-C Sand	132.76	47.785847	1.691537
BNGG11059	VF-F Sand	93.87	46.929028	1.881279
BNGG11064	VF-F Sand	144.56	45.500919	1.776029
BNGG11069	M-C Sand	162.17	49.048109	1.132096
BNGG11073	M-C Sand	175.62	51.716531	1.528431
BNGG11078	VF-F Sand	161.28	51.202991	1.198049
BNGG11082	M-C Sand	144.01	45.256469	0.824233
BNGG11085	M-C Sand	166.84	53.753775	1.202059
BNGG11091	M-C Sand	146.21	35.982253	1.208321
BNGG11502	Mud	129.22	47.879741	1.552694
BNGG11506	VF-F Sand	114.24	42.253497	1.446602
BNGG11511	VF-F Sand	98.81	40.384606	1.768602
BNGG11515	VF-F Sand	104.28	47.303113	1.457799
BNGG11520	VF-F Sand	102.44	50.296375	1.54637
BNGG11524	VF-F Sand	109.03	40.107259	1.468604
BNGG11529	VF-F Sand	103.01	45.305613	1.566272
BNGG11534	VF-F Sand	110	48.571759	1.505702
BNGG11538	VF-F Sand	112.73	28.101538	4.226698
BNGG11543	Mud	112.06	21.936598	6.747734
BNGG11547	Mud	109.77	44.690403	1.928603
BNGG11549	VF-F Sand	119.58	41.241941	1.437504
BNGG11553	VF-F Sand	122.27	42.740116	1.546055
BNGG11558	VF-F Sand	131.7	39.906269	1.561637
BNGG11563	VF-F Sand	136.89	41.286384	1.604129
BNGG11567	VF-F Sand	132.44	37.724356	1.664715
BNGG11572	VF-F Sand	161.1	43.237666	1.78759
BNGG11576	VF-F Sand	145.66	43.101347	1.364175
BNGG11581	VF-F Sand	166.73	45.590953	1.578256
BNGG11585	VF-F Sand	147.18	43.739706	1.454261

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG11590	VF-F Sand	146.64	45.461238	1.616886
BNGG11591	VF-F Sand	147.19	43.015753	1.650085
BNGG12002	Mud	133.27	44.177144	1.45245
BNGG12006	VF-F Sand	97.97	49.251031	1.498645
BNGG12011	VF-F Sand	103.05	47.966269	2.627637
BNGG12015	VF-F Sand	90.12	51.184316	1.572224
BNGG12020	VF-F Sand	105.64	50.776556	2.199426
BNGG12024	VF-F Sand	105.62	51.841884	1.775434
BNGG12029	M-C Sand	102.84	48.451703	1.904363
BNGG12034	M-C Sand	105.67	47.672834	1.858424
BNGG12038	Mud	111.76	42.439441	1.094625
BNGG12043	Mud	114.21	43.094228	1.515492
BNGG12047	Mud	104.7	40.6269	0.989765
BNGG12052	Mud	113.8	42.114313	1.05405
BNGG12055	M-C Sand	161.98	48.552128	1.460506
BNGG12059	M-C Sand	151.82	46.686716	1.340795
BNGG12064	M-C Sand	170.43	48.263781	1.520219
BNGG12069	VF-F Sand	159.43	47.819975	1.673092
BNGG12073	M-C Sand	182.78	49.326166	1.493191
BNGG12078	M-C Sand	171.15	48.289466	1.19668
BNGG12082	M-C Sand	158.98	47.368478	1.118999
BNGG12087	M-C Sand	144.46	44.191966	1.033418
BNGG12091	M-C Sand	125.54	49.872522	0.719352
BNGG12502	Mud	155.05	32.843509	4.405243
BNGG12503	VF-F Sand	132.08	42.583997	1.466449
BNGG12508	VF-F Sand	123.99	40.340034	1.425496
BNGG12512	VF-F Sand	116.16	45.764147	1.382619
BNGG12517	VF-F Sand	129.91	44.789269	1.889223
BNGG12521	VF-F Sand	112.26	49.10895	1.598466
BNGG12526	VF-F Sand	107.87	43.265978	1.99211
BNGG12530	Mud	126.74	43.505734	2.293285
BNGG12535	Mud	120.06	29.182216	5.001364
BNGG12538	VF-F Sand	130.37	37.891866	1.944857
BNGG12540	VF-F Sand	130.08	41.613734	1.610957
BNGG12543	VF-F Sand	147.07	36.913034	1.492348
BNGG12544	VF-F Sand	150.96	44.755156	1.311647
BNGG12549	VF-F Sand	158.32	47.41325	1.360096
BNGG12553	VF-F Sand	169.53	47.822094	1.84887
BNGG12558	VF-F Sand	157.75	48.041088	1.454932
BNGG12563	VF-F Sand	154.1	46.9226	1.392654
BNGG12567	VF-F Sand	160.38	44.35365	1.388995
BNGG12569	VF-F Sand	149.67	40.816669	1.401089
BNGG12572	VF-F Sand	165.37	47.441672	1.832701
BNGG12576	VF-F Sand	157.98	42.419784	1.504092
BNGG12581	VF-F Sand	166.33	44.673909	1.422376
BNGG12588	M-C Sand	159.51	47.736388	1.732083
BNGG13002	Mud	117.23	44.202159	1.444411
BNGG13003	VF-F Sand	110.42	56.655781	1.481981
BNGG13008	VF-F Sand	131.86	46.563672	1.687674
BNGG13011	Mud	133.63	39.303122	2.235577
BNGG13012	VF-F Sand	102.18	43.596066	1.555164
BNGG13017	VF-F Sand	108.21	43.888563	1.85399
BNGG13021	VF-F Sand	104.32	45.080769	1.475051
BNGG13026	VF-F Sand	107.83	42.912741	1.556861
BNGG13030	VF-F Sand	117.34	39.333694	1.419629
BNGG13035	VF-F Sand	116.97	42.579156	1.77844
BNGG13040	Peat	81.86	16.586048	5.272827
BNGG13041	VF-F Sand	150.14	29.070028	3.156348
BNGG13046	VF-F Sand	149.65	39.474216	1.578213
BNGG13050	VF-F Sand	149.66	38.960741	1.708887
BNGG13055	VF-F Sand	156.9	38.0958	1.424606
BNGG13059	M-C Sand	150.83	39.566503	1.508732
BNGG13064	M-C Sand	146.71	39.419897	1.75468
BNGG13069	VF-F Sand	160.41	40.397734	1.693041
BNGG13073	VF-F Sand	153.77	34.080716	2.536001

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG13078	M-C Sand	140.85	25.603405	4.146587
BNGG13082	M-C Sand	163.15	43.661234	1.624176
BNGG13087	M-C Sand	155.69	39.958006	1.404133
BNGG13091	VF-F Sand	159.99	34.906834	1.655239
BNGG13502	Mud	127.23	42.332306	1.233915
BNGG13506	Mud	99.34	41.460653	0.684922
BNGG13511	Mud	108.91	41.910981	0.945355
BNGG13515	Mud	110.6	43.567275	1.17661
BNGG13520	Mud	117.04	41.299122	0.923363
BNGG13524	Mud	126.39	42.2844	1.060064
BNGG13529	Mud	126.07	39.979625	1.091265
BNGG13534	Mud	113.72	39.801228	0.827541
BNGG13538	VF-F Sand	140.18	45.934478	1.278642
BNGG13543	VF-F Sand	163.67	46.818931	1.252097
BNGG13547	M-C Sand	155.96	44.423328	1.348181
BNGG13552	M-C Sand	156.5	45.217338	1.362954
BNGG13556	M-C Sand	152.95	45.126919	1.590568
BNGG13559	Mud	111.47	36.371513	0.81004
BNGG13561	M-C Sand	164.93	45.241569	1.555239
BNGG13566	M-C Sand	177.3	46.658838	1.5439
BNGG13570	M-C Sand	153.76	46.498659	1.587629
BNGG13575	M-C Sand	170.85	43.970431	1.535374
BNGG13579	M-C Sand	168.02	45.517656	1.374332
BNGG13584	M-C Sand	176.79	45.802594	1.55484
BNGG13588	M-C Sand	157.9	45.388278	1.168949
BNGG13591	M-C Sand	120.18	42.469119	1.526877
BNGG14002	Mud	129.02	26.129844	6.526491
BNGG14006	Mud	112.38	25.784466	6.222707
BNGG14011	Mud	110.49	30.583809	5.554307
BNGG14017	VF-F Sand	119.08	30.669019	2.85064
BNGG14020	Mud	134.56	13.306095	3.572873
BNGG14024	Mud	131.84	14.269975	4.462266
BNGG14029	Mud	145.23	11.342456	4.045901
BNGG14034	Mud	140.94	19.026308	3.853266
BNGG14038	Mud	128.53	40.437719	2.116219
BNGG14043	Mud	106.44	43.176247	1.825834
BNGG14047	Mud	132.29	35.397388	3.389049
BNGG14052	Mud	108.88	28.283144	5.598627
BNGG14056	Mud	125.73	31.310238	5.132004
BNGG14061	VF-F Sand	163.64	44.328956	1.773744
BNGG14066	VF-F Sand	170.09	45.736263	1.323849
BNGG14070	VF-F Sand	168.18	46.469316	1.439417
BNGG14075	VF-F Sand	167.58	41.436553	2.127883
BNGG14079	VF-F Sand	164.51	42.802006	1.785331
BNGG14084	VF-F Sand	156.17	46.316372	1.615726
BNGG14088	VF-F Sand	153.18	37.55865	1.871835
BNGG14091	VF-F Sand	159.63	31.264688	3.028654
BNGG14502	Mud	118.84	44.235191	3.384839
BNGG14503	VF-F Sand	121.86	42.789694	1.507544
BNGG14508	VF-F Sand	158.13	45.027528	1.741587
BNGG14512	VF-F Sand	147.03	45.465528	1.968561
BNGG14517	VF-F Sand	153.73	44.630256	1.581391
BNGG14521	VF-F Sand	150.56	47.233394	1.127061
BNGG14526	VF-F Sand	160.52	45.478656	1.293259
BNGG14530	VF-F Sand	151.03	42.4244	1.714948
BNGG14535	VF-F Sand	158.35	44.100106	1.761878
BNGG14540	VF-F Sand	156.95	43.677325	1.363413
BNGG14544	VF-F Sand	150.79	47.756597	1.463467
BNGG14547	Mud	117.14	42.276919	2.831348
BNGG14552	Mud	119.6	45.663334	2.1605
BNGG14555	VF-F Sand	162.17	41.438638	1.830461
BNGG14559	VF-F Sand	174.29	41.895969	1.297033
BNGG14564	M-C Sand	160.05	41.308022	1.666912
BNGG14569	VF-F Sand	148.33	39.525138	1.534146
BNGG14573	VF-F Sand	160.4	42.832831	1.605547

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG14578	VF-F Sand	172.54	42.989938	1.475573
BNGG14582	VF-F Sand	150.34	39.207575	1.562207
BNGG14587	VF-F Sand	148.7	37.733734	1.76692
BNGG14590	M-C Sand	129.67	44.824403	1.417233
BNGG15102	Mud	111.03	50.914956	1.196572
BNGG15105	VF-F Sand	171.3	44.076919	1.814661
BNGG15109	VF-F Sand	158.95	41.479638	1.535752
BNGG15114	VF-F Sand	167.56	45.318806	1.700182
BNGG15118	VF-F Sand	144.56	50.981866	1.335971
BNGG15123	VF-F Sand	162.05	46.707038	1.570925
BNGG15127	VF-F Sand	155.73	40.870288	1.449479
BNGG15132	VF-F Sand	156.51	47.145231	1.554549
BNGG15137	VF-F Sand	147.85	41.991263	1.454202
BNGG15141	VF-F Sand	136.83	39.186147	2.013085
BNGG15144	Mud	130.93	45.542231	1.863514
BNGG15147	VF-F Sand	156.38	46.077947	1.390295
BNGG15152	VF-F Sand	150.4	43.749981	1.526621
BNGG15153	VF-F Sand	155.27	34.983466	2.079347
BNGG15158	VF-F Sand	166.02	41.586344	1.548325
BNGG15163	VF-F Sand	175.72	48.145225	1.378495
BNGG15167	M-C Sand	160.22	46.488694	1.153775
BNGG15172	VF-F Sand	155.92	41.929388	1.2722
BNGG15176	M-C Sand	158.88	42.187503	1.302354
BNGG15181	M-C Sand	151.19	47.353278	1.109808
BNGG15185	M-C Sand	145.26	45.068309	1.261411
BNGG15188	M-C Sand	160.94	47.415169	1.315096
BNGG15702	Mud	104.45	43.765509	2.998487
BNGG15706	Mud	117.42	46.324834	3.527883
BNGG15708	VF-F Sand	136.13	44.257803	1.820883
BNGG15709	Mud	114.6	40.745184	4.30857
BNGG15712	VF-F Sand	153.42	46.770963	1.658976
BNGG15717	VF-F Sand	150.54	44.593641	1.501845
BNGG15721	M-C Sand	143.13	39.806806	1.114528
BNGG15726	M-C Sand	154.19	41.24975	1.272415
BNGG15730	M-C Sand	168.35	41.179438	1.635691
BNGG15735	M-C Sand	159.44	47.01485	1.384927
BNGG15740	M-C Sand	156.46	45.935753	1.436428
BNGG15744	Mud	113.83	44.018156	2.36402
BNGG15746	VF-F Sand	169.91	42.147303	1.415966
BNGG15750	M-C Sand	160.6	42.954191	1.424771
BNGG15755	M-C Sand	158.02	39.209516	1.590733
BNGG15759	M-C Sand	145.97	38.381678	1.456772
BNGG15764	VF-F Sand	158.08	41.235094	1.553366
BNGG15769	VF-F Sand	156.11	39.981969	1.794375
BNGG15773	M-C Sand	178.3	46.213109	1.4214
BNGG15778	M-C Sand	138.72	45.600172	1.364053
BNGG15782	M-C Sand	164.05	47.945231	1.442437
BNGG15787	M-C Sand	128.8	45.915872	1.241534
BNGG16302	Mud	121.76	48.683047	3.027038
BNGG16306	Mud	125.51	46.979566	3.405216
BNGG16309	VF-F Sand	141.39	42.313469	1.786593
BNGG16314	VF-F Sand	150.86	51.517078	1.521445
BNGG16318	VF-F Sand	143.95	52.801956	1.130498
BNGG16323	VF-F Sand	151.82	47.639072	1.336519
BNGG16327	VF-F Sand	151.53	47.374344	1.414695
BNGG16332	VF-F Sand	153.33	42.43815	1.617845
BNGG16337	VF-F Sand	159.01	47.511041	1.58169
BNGG16341	M-C Sand	157.23	48.405756	1.62053
BNGG16346	VF-F Sand	148.78	42.601303	1.307658
BNGG16350	VF-F Sand	144.56	38.074447	2.115438
BNGG16355	VF-F Sand	156.4	31.35895	2.123585
BNGG16358	Mud	162.05	9.156302	2.490987
BNGG16359	VF-F Sand	160.97	38.000488	2.015378
BNGG16364	VF-F Sand	159.41	48.160297	1.440537
BNGG16369	VF-F Sand	160.72	49.640288	1.676546

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG16373	Mud	110.76	43.848491	1.594928
BNGG16376	M-C Sand	160.31	41.993069	0.998234
BNGG16381	M-C Sand	136.28	48.905447	0.917192
BNGG16385	M-C Sand	162.23	46.215547	1.2282
BNGG16391	M-C Sand	175.47	45.212772	1.421393
BNGG16902	Mud	123.53	52.085944	1.143858
BNGG16906	VF-F Sand	152.23	44.400209	1.59214
BNGG16911	Mud	129.47	43.982203	1.713831
BNGG16915	VF-F Sand	142.89	46.972922	1.94406
BNGG16917	VF-F Sand	155.79	43.985391	1.701435
BNGG16921	VF-F Sand	158.09	44.953553	1.498663
BNGG16924	Mud	136.44	44.090644	2.112219
BNGG16926	VF-F Sand	146.18	41.629003	1.638502
BNGG16927	Mud	138.49	42.754153	1.987805
BNGG16929	VF-F Sand	149.07	41.088266	1.48637
BNGG16934	Mud	142.18	15.765458	4.848572
BNGG16938	Mud	118.87	39.998897	2.365719
BNGG16944	Mud	142.34	42.100494	2.640397
BNGG16949	Mud	142.16	38.223375	3.269927
BNGG16950	VF-F Sand	146	39.632181	1.915046
BNGG16952	Mud	125.46	44.802609	2.624744
BNGG16956	Mud	121.37	16.936036	9.007796
BNGG16961	Mud	124.95	34.220819	3.530223
BNGG16966	M-C Sand	162.58	40.257881	1.590545
BNGG16970	M-C Sand	144.39	43.445303	1.120031
BNGG16975	M-C Sand	160.5	42.292278	1.870348
BNGG16979	M-C Sand	151.49	43.427913	1.287129
BNGG16981	Mud	90.74	38.667619	3.096451
BNGG16985	Mud	88.49	46.009891	0.58638
BNGG16991	Mud	83.67	43.0688	0.689405
BNGG169E119	VF-M Sand	71.1	55.861688	0.450633
BNGG169E143	VF-Sand	118.12	26.561219	3.571011
BNGG169E168	VF-M Sand	120.87	43.550256	1.033503
BNGG169E186	VF-M Sand	127.83	46.943841	1.485569
BNGG169E210	VF-F Sand	87.98	48.059497	0.945874
BNGG169E229	VF-F Sand	109.09	53.824581	0.887477
BNGG17502	Mud	125.56	44.906606	1.054408
BNGG17506	VF-F Sand	149.1	39.350266	1.483389
BNGG17511	VF-F Sand	140.25	38.041	1.71695
BNGG17515	VF-F Sand	158.43	52.353759	1.195655
BNGG17520	VF-F Sand	151.26	46.074794	1.137679
BNGG17524	VF-F Sand	162.45	48.689256	1.528009
BNGG17529	VF-F Sand	175.39	50.675391	1.568151
BNGG17534	M-C Sand	145.37	52.869644	1.161532
BNGG17538	VF-F Sand	157.34	48.861266	0.871236
BNGG17543	VF-F Sand	140.61	41.611988	0.986128
BNGG17547	VF-F Sand	155.77	44.280072	1.420809
BNGG17550	Mud	132.34	38.018184	2.769278
BNGG17552	VF-F Sand	166.12	48.554878	1.446257
BNGG17556	VF-F Sand	158.18	44.825669	1.557605
BNGG17561	VF-F Sand	156.46	47.664056	1.191569
BNGG17566	VF-F Sand	151.24	44.525013	1.59683
BNGG17570	M-C Sand	143.05	47.025519	0.743492
BNGG17575	M-C Sand	156.81	51.114984	1.296835
BNGG17578	Mud	99.16	44.019441	1.419084
BNGG17582	Mud	84.97	44.382981	0.574079
BNGG17587	Mud	97.37	50.017278	0.383316
BNGG17591	Mud	89.4	47.517041	0.679037
BNGG18102	Mud	93.99	44.964716	2.107767
BNGG18105	VF-F Sand	154.09	49.110534	1.484023
BNGG18109	VF-F Sand	161.07	50.601928	1.863519
BNGG18114	VF-F Sand	139.34	52.550556	1.757378
BNGG18118	VF-F Sand	132.18	40.989084	1.208216
BNGG18123	VF-F Sand	141.78	44.923194	1.756504
BNGG18127	Mud	109.6	44.673213	1.557894

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG18130	VF-F Sand	148.48	47.461375	1.453871
BNGG18135	VF-F Sand	143.53	50.008781	1.240653
BNGG18141	Mud	118.55	46.503841	1.824779
BNGG18143	VF-F Sand	143.66	43.173694	1.447579
BNGG18149	Mud	150.92	44.747884	2.382772
BNGG18152	VF-F Sand	143.04	40.670372	1.870785
BNGG18156	VF-F Sand	146.37	40.715416	1.894596
BNGG18161	VF-F Sand	141.6	43.697713	1.792275
BNGG18166	VF-F Sand	137.5	43.906341	1.745218
BNGG18170	VF-F Sand	154.36	44.734034	1.377778
BNGG18175	Mud	88.12	45.615281	1.105786
BNGG18179	Mud	79.03	46.665134	1.08334
BNGG18185	VF-F Sand	71.47	48.354766	0.76561
BNGG18187	Mud	94.77	37.516419	1.73639
BNGG18191	M-C Sand	68.41	47.614444	0.751473
BNGG18702	VF-F Sand	137.91	42.043681	1.652264
BNGG18706	VF-F Sand	146.26	48.225484	1.656852
BNGG18711	VF-F Sand	182.33	41.636925	2.394831
BNGG18715	VF-F Sand	145.68	47.915503	1.965929
BNGG18720	VF-F Sand	150.28	40.805419	2.024709
BNGG18724	M-C Sand	154.53	40.121941	1.442853
BNGG18729	M-C Sand	148.19	43.054544	1.496459
BNGG18734	M-C Sand	170.68	47.643903	1.537602
BNGG18738	Mud	137.91	20.450383	5.256397
BNGG18743	Mud	150.5	14.329097	5.022291
BNGG18744	M-C Sand	159.13	31.865375	3.057152
BNGG18747	Mud	143.9	43.056975	2.248843
BNGG18749	M-C Sand	164.87	39.119938	1.613276
BNGG18753	M-C Sand	149.5	43.032234	1.110806
BNGG18758	M-C Sand	162.91	41.873206	1.572095
BNGG18763	VF-F Sand	142.63	30.638713	3.210104
BNGG18767	VF-F Sand	154.84	43.815484	1.62259
BNGG18772	M-C Sand	147.5	43.784113	1.235965
BNGG18776	M-C Sand	156.04	46.148213	1.613497
BNGG18781	M-C Sand	165.66	42.800275	1.727897
BNGG18785	Mud	85.37	37.584253	1.440207
BNGG18791	Mud	86.71	41.665356	0.244382
BNGG19302	Mud	103.69	43.200069	2.471782
BNGG19303	VF-F Sand	140.07	47.185656	2.779596
BNGG19308	VF-F Sand	136.55	46.832322	1.82707
BNGG19312	M-C Sand	138.69	49.774941	1.419371
BNGG19317	VF-F Sand	143.6	43.612566	1.516031
BNGG19321	M-C Sand	154.89	47.906419	1.309375
BNGG19326	M-C Sand	140.84	37.742797	1.327592
BNGG19330	M-C Sand	144.71	45.289419	1.347204
BNGG19332	Mud	152.62	12.834728	2.678111
BNGG19337	Mud	142.92	20.223522	5.3611
BNGG19341	VF-F Sand	163.9	41.007084	1.862582
BNGG19346	VF-F Sand	139.39	40.223034	1.448728
BNGG19350	M-C Sand	155.54	43.790147	1.669543
BNGG19355	M-C Sand	170.95	48.026	1.465724
BNGG19359	M-C Sand	161.32	47.461772	1.765247
BNGG19364	M-C Sand	153.07	48.881631	1.627714
BNGG19369	M-C Sand	173.55	43.595534	1.65384
BNGG19373	M-C Sand	183.01	48.9461	1.797135
BNGG19375.5	Mud	124.46	45.434903	2.200428
BNGG19376	M-C Sand	156.01	44.845772	1.563031
BNGG19381	M-C Sand	170.47	46.523159	1.836875
BNGG19385	M-C Sand	149.71	45.799181	1.443897
BNGG19388	Mud	104.21	35.648331	2.500752
BNGG19391	M-C Sand	113.12	48.504575	0.989159
BNGG20702	VF-F Sand	168.29	49.278338	1.505587
BNGG20706	VF-F Sand	171.31	47.035713	1.499413
BNGG20711	VF-F Sand	159.81	44.51235	1.40476
BNGG20717	VF-F Sand	144.46	49.595709	1.968435

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG20718	VF-F Sand	161.05	41.012038	1.746526
BNGG20723	M-C Sand	139.35	45.152709	1.0708
BNGG20727	VF-F Sand	168.26	45.842675	1.681001
BNGG20734	Mud	128.08	43.350684	1.973894
BNGG20738	M-C Sand	129.3	43.968391	1.787893
BNGG20741	VF-F Sand	154.39	40.647188	1.68722
BNGG20746	Mud	124.28	45.644247	2.009784
BNGG20750	VF-F Sand	132.92	44.7437	1.766055
BNGG20753	VF-F Sand	152.72	44.981453	1.579492
BNGG20755	Mud	134.5	44.253553	1.962487
BNGG20756	VF-F Sand	159.69	45.315806	1.559261
BNGG20761	VF-F Sand	146.3	40.468325	1.60824
BNGG20767	Mud	84.35	52.806363	0.47742
BNGG20770	M-C Sand	97.06	43.344603	1.24495
BNGG20775	M-C Sand	97.01	47.169003	0.829929
BNGG20778	Mud	109.25	27.874	4.792912
BNGG20782	Mud	117.38	34.155	3.412774
BNGG20787	Mud	107.1	43.907138	0.86155
BNGG20790	Mud	102.83	42.137506	0.693519
BNGG21202	Mud	124.92	50.636847	1.384771
BNGG21203	VF-F Sand	136.99	47.447244	1.167736
BNGG21208	VF-F Sand	139.42	48.043825	1.610957
BNGG21212	VF-F Sand	138.35	45.006606	1.61707
BNGG21217	VF-F Sand	143.57	50.170019	1.431728
BNGG21221	Mud	122.32	45.828328	1.727533
BNGG21223	M-C Sand	154.6	43.764047	1.3168
BNGG21229	Mud	125.55	39.082153	2.852302
BNGG21230	M-C Sand	134.49	42.887644	1.306516
BNGG21234	Mud	124.8	36.566394	2.149261
BNGG21238	Mud	124.8	39.148366	2.205237
BNGG21243	Mud	128.36	28.469919	2.630612
BNGG21247	Mud	132.61	38.962369	2.515627
BNGG21249	M-C Sand	107.14	47.131122	1.226848
BNGG21252	Mud	109.23	27.054209	5.15919
BNGG21253	VF-F Sand	90.73	52.375706	0.792558
BNGG21258	M-C Sand	98.28	52.963794	0.569954
BNGG21263	M-C Sand	94.33	43.571894	1.573084
BNGG21267	M-C Sand	118.2	54.80325	0.957981
BNGG21272	M-C Sand	105.88	39.215713	1.606344
BNGG21276	M-C Sand	106.43	46.678797	1.59737
BNGG21702	Mud	115.95	50.029109	1.229278
BNGG21706	Mud	126.44	46.798922	2.245845
BNGG21711	VF-F Sand	148.91	43.013856	1.249702
BNGG21715	VF-F Sand	147.9	44.5004	1.414593
BNGG21721	Mud	133.21	38.474069	2.047312
BNGG21724	VF-F Sand	137.16	43.788631	1.276947
BNGG21729	M-C Sand	142.52	35.872022	1.474089
BNGG21734	VF-F Sand	127.79	41.135631	1.862509
BNGG21738	Mud	113.56	23.922988	1.555932
BNGG21743	Mud	132.24	13.659702	2.25401
BNGG21747	Mud	109.69	20.574069	1.512192
BNGG21752	Mud	116.56	15.705522	1.824097
BNGG21755	M-C Sand	71.49	53.185119	0.364141
BNGG21759	M-C Sand	79.92	45.324459	1.438476
BNGG21761	Mud	149.81	24.6428	2.438682
BNGG21766	Mud	146.78	28.315078	2.762743
BNGG21769	M-C Sand	63.71	48.572303	1.131557
BNGG21772	Mud	100.65	15.69515	7.820756
BNGG21776	M-C Sand	72.07	45.763588	0.907427
BNGG21779	M-C Sand	87.73	50.474284	0.780612
BNGG22202	Mud	113.46	52.394144	0.956574
BNGG22208	VF-F Sand	138.83	44.054366	1.393119
BNGG22212	VF-F Sand	139.65	43.335163	1.104776
BNGG22217	VF-F Sand	142.46	37.24165	1.282077
BNGG22221	M-C Sand	153.1	42.067053	1.618117

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG22223	Mud	116.99	36.271553	2.208373
BNGG22227	Mud	135.79	41.232538	2.529385
BNGG22232	Mud	131.31	38.945888	2.22446
BNGG22237	Mud	112	15.277113	1.982816
BNGG22241	Mud	121.7	18.761739	1.738007
BNGG22246	Mud	122.63	15.281356	2.038702
BNGG22249	M-C Sand	64.37	51.165372	0.645947
BNGG22253	M-C Sand	71.52	52.899038	0.493654
BNGG22258	M-C Sand	70.84	48.857441	0.75408
BNGG22261	Mud	155.83	9.590496	8.308488
BNGG22702	Mud	121.41	53.194906	0.955721
BNGG22706	Mud	115.15	47.844938	1.602537
BNGG22709	VF-F Sand	149.71	46.288209	1.361958
BNGG22714	VF-F Sand	148.7	46.107944	1.308693
BNGG22715	Mud	118.86	45.455069	1.521306
BNGG22717	VF-F Sand	157.97	48.907678	1.413491
BNGG22720	Mud	118.76	45.569053	1.414151
BNGG22727	Mud	121.8	45.0145	1.490589
BNGG22732	Mud	119.52	37.28235	1.956279
BNGG22734	M-C Sand	83.78	50.648981	0.477214
BNGG22737	Mud	84.18	19.6345	6.586286
BNGG22741	Mud	85.9	41.485738	0.277878
BNGG22743	M-C Sand	78.8	51.981922	0.504213
BNGG22747	M-C Sand	104.17	52.913069	0.835028
BNGG22752	M-C Sand	124.87	51.815872	0.797033
BNGG22756	M-C Sand	90.05	55.121331	0.487463
BNGG22761	Mud	113.01	22.084838	1.636193
BNGG22762	Mud	122.16	36.756094	5.999161
BNGG23302	Mud	107.26	50.389316	0.778874
BNGG23306	Mud	129.48	49.489738	1.508358
BNGG23308	VF-F Sand	132.45	49.614875	0.975571
BNGG23312	VF-F Sand	135.92	46.427447	1.017505
BNGG23317	M-C Sand	137.16	46.7798	1.149486
BNGG23321	M-C Sand	135.55	52.696394	1.14917
BNGG23326	M-C Sand	147.77	42.642978	1.4671
BNGG23327	Mud	111.01	32.616688	1.649297
BNGG23332	Mud	61.36	30.999475	2.210581
BNGG23334	Mud	46.95	40.771763	0.537317
BNGG23337	M-C Sand	44.05	46.917841	0.465575
BNGG23340.5	Mud	59.6	33.216759	0.061427
BNGG23341	M-C Sand	45.98	46.992669	0.246521
BNGG23344	Mud	95.53	14.547355	1.188397
BNGG23346	M-C Sand	105.43	45.894791	0.665076
BNGG23350	Mud	124.33	10.762863	5.224599
BNGG23353	Mud	68.12	42.580463	1.463075
BNGG23356	Mud	74.4	30.327891	0.838501
BNGG23358	M-C Sand	94.86	37.390547	0.630481
BNGG23902	Mud	123.33	51.176353	1.084463
BNGG23906	VF-F Sand	139.99	45.454791	1.138284
BNGG23911	VF-F Sand	132.22	43.844475	1.025428
BNGG23914	VF-F Sand	122.83	48.882094	1.342111
BNGG23917	Mud	117.99	42.637431	1.545609
BNGG23920	VF-F Sand	123.76	49.502834	0.764277
BNGG23924	VF-F Sand	141.91	46.730478	2.065726
BNGG23926	VF-F Sand	144.75	42.300875	1.318473
BNGG23927	Mud	119.13	42.087891	1.670699
BNGG23930	M-C Sand	79.92	50.913181	0.566319
BNGG23934	VF-F Sand	129.78	44.876191	1.239664
BNGG23937	Mud	124.92	28.665003	1.609338
BNGG23941	Mud	113.41	21.666439	1.718596
BNGG23946	M-C Sand	98.12	38.325034	1.924281
BNGG23950	M-C Sand	54.13	49.69385	0.268463
BNGG23955	M-C Sand	67.34	47.042734	0.378051
BNGG23959	VF-F Sand	110.03	49.640131	0.801812
BNGG23964	VF-F Sand	110.31	47.987856	0.86692

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG23969	VF-F Sand	128.91	45.793159	0.846483
BNGG23975	Mud	113.27	43.225403	1.188076
BNGG23976	M-C Sand	126.45	44.152034	0.884659
BNGG23981	VF-F Sand	132.5	45.16895	1.065634
BNGG23985	M-C Sand	98.46	50.406906	0.650821
BNGG23988	Mud	107.53	16.96148	1.929014
BNGG23991	VF-F Sand	128.41	41.373541	1.620387
BNGG24502	Mud	115.64	53.057419	0.901592
BNGG24503	VF-F Sand	137.44	47.463897	1.033972
BNGG24508	VF-F Sand	139.67	45.588266	1.213402
BNGG24512	VF-F Sand	134.07	48.467163	1.454454
BNGG24517	M-C Sand	135.56	44.485131	1.836874
BNGG24520	Mud	123.7	37.064809	1.826684
BNGG24523	VF-F Sand	139.82	44.699241	1.502983
BNGG24524	Mud	131.15	40.723184	1.753398
BNGG24527	M-C Sand	91.28	44.053366	0.802941
BNGG24529	Mud	121.69	19.546636	1.450326
BNGG24534	Mud	109.04	38.868494	1.436224
BNGG24538	M-C Sand	86.3	48.767353	0.481917
BNGG24543	M-C Sand	80.42	55.282975	0.414446
BNGG24547	M-C Sand	44	59.738175	0.139902
BNGG24552	M-C Sand	87.39	44.573784	0.718435
BNGG24556	M-C Sand	78.95	50.534784	0.51927
BNGG24561	M-C Sand	98.59	49.103059	0.524985
BNGG24566	M-C Sand	114.58	48.370328	0.507535
BNGG24569	Mud	92.48	43.587194	1.509054
BNGG24570	M-C Sand	144.78	43.474009	0.776231
BNGG24575	M-C Sand	120.63	46.795681	0.757908
BNGG24579	M-C Sand	138.09	50.940653	1.095409
BNGG24584	M-C Sand	123	45.063325	0.74385
BNGG24588	M-C Sand	116.45	32.103494	2.029009
BNGG24591	M-C Sand	140.17	37.56295	1.66181
BNGG25002	Mud	115.61	50.189878	0.956937
BNGG25005	VF-F Sand	141.32	52.414172	1.143982
BNGG25009	VF-F Sand	130.32	48.718434	1.113024
BNGG25014	VF-F Sand	129.31	44.533134	1.315988
BNGG25018	VF-F Sand	138.57	46.316875	0.97612
BNGG25023	VF-F Sand	121.35	61.830156	1.70947
BNGG25024	Mud	136.62	25.349419	3.648285
BNGG25029	Mud	110.4	46.244466	1.481818
BNGG25034	Mud	120.91	47.127966	1.63458
BNGG25035	M-C Sand	62.72	48.877497	0.505284
BNGG25040	M-C Sand	89.03	49.060522	0.494029
BNGG25040.5	Mud	112.24	41.496741	1.430114
BNGG25041	M-C Sand	98.17	46.298544	0.923588
BNGG25046	M-C Sand	84.22	55.309994	0.58587
BNGG25050	VF-F Sand	85.57	50.814047	0.555402
BNGG25055	M-C Sand	97.4	50.955428	0.538049
BNGG25058	VF-F Sand	88.91	46.428038	1.031275
BNGG25063	M-C Sand	99.76	46.897034	0.654031
BNGG25067	Mud	83.09	50.501047	1.315147
BNGG25069	VF-F Sand	129.3	48.087894	1.145826
BNGG25072	Mud	100.71	21.294972	1.587378
BNGG25075	M-C Sand	121.55	44.216516	0.915592
BNGG25078	M-C Sand	150.45	45.287659	1.039632
BNGG25502	Mud	133.14	55.063106	1.306371
BNGG25506	VF-F Sand	137.65	50.734675	1.186048
BNGG25511	VF-F Sand	133.57	47.736588	1.276674
BNGG25515	VF-F Sand	114.39	46.610403	1.003121
BNGG25520	M-C Sand	56.3	49.313434	0.754027
BNGG25523	Mud	109.75	44.336428	1.514696
BNGG25527	M-C Sand	62.87	49.326506	0.560405
BNGG25532	M-C Sand	85.8	50.946016	0.581248
BNGG25537	Mud	111.9	39.330225	1.942471
BNGG25540	M-C Sand	88.17	43.421041	1.861319

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGG25543	Mud	102.62	36.985206	2.961011
BNGG25547	Mud	62.04	54.635225	1.527909
BNGG25549		64.37	54.441156	0.310989
BNGG26002	VF-F Sand	123.94	42.449641	0.947173
BNGG26003	VF-F Sand	128.95	44.388653	1.268504
BNGG26008	VF-F Sand	138.03	46.347575	0.965621
BNGG26012	VF-F Sand	128.85	46.392163	0.874304
BNGG26018	Mud	117.79	46.240809	1.573308
BNGG26023	Mud	99.88	44.026181	1.82468
BNGG26027	Mud	116.1	47.912659	1.759252
BNGG26029	VF-F Sand	93.54	45.485219	0.471959
BNGG26034	M-C Sand	90.69	53.918325	0.54429
BNGG26038	M-C Sand	60	49.406488	0.287805
BNGG26043	M-C Sand	20.86	45.694709	0.09578
BNGG26047	M-C Sand	129.11	44.825525	0.970249
BNGG26049	M-C Sand	86.71	45.183925	0.456403
BNGG26050	VF-F Sand	85.08	43.037769	0.420208
BNGG26055	M-C Sand	86.35	40.632731	0.58011
BNGG26056	M-C Sand	78.54	48.281263	0.323428
BNGG26058	M-C Sand	86.77	47.191563	0.480697
BNGG26063	M-C Sand	87.51	50.1447	0.427211
BNGG26064	M-C Sand	78.09	43.439969	0.494457
BNGG26069	M-C Sand	69.87	46.485341	0.315875
BNGG26072	VF-F Sand	99.21	47.744369	0.646835
BNGG26076	M-C Sand	90.29	42.944381	0.530258
BNGG26079	M-C Sand	104	43.308725	0.829226
BNGG26502	Mud	112.58	47.062047	1.342116
BNGG26505	Mud	117.55	46.441188	1.335805
BNGG26506	Mud	108.11	51.277544	1.06244
BNGG26508	VF-F Sand	129.44	44.056791	1.229727
BNGG26512	M-C Sand	76.17		
BNGG26517	M-C Sand	107.08	48.215472	1.400722
BNGG26521	Mud	115.58	51.892388	0.795018
BNGG26523	M-C Sand	55.14	53.174925	0.262305
BNGG26527	M-C Sand	107.31	41.477531	1.523444
BNGG26532	M-C Sand	90.84	50.075659	0.637932
BNGG26537	M-C Sand	90.1	42.794569	0.727757
BNGG26541	M-C Sand	84.91	49.950331	0.703461
BNGG26546	M-C Sand	98.44	53.338875	0.838808
BNGG26550	M-C Sand	83.67	48.899525	0.851715
BNGG26552	M-C Sand	29.77	37.118638	0.4487
BNGG26556	M-C Sand	165.6	43.768213	1.467491
BNGG26559	Mud	93.13	38.393928	2.219434
BNGG26564	M-C Sand	80.08	47.498566	0.97467
BNGG26569	M-C Sand	75.13	53.706594	0.440337
BNGG26572	Mud	91.13	37.951997	2.071228
BNGG26576	Mud	93.59	36.100819	2.518795
BNGG26579	Mud	95.26	38.744578	1.890861
BNGG27002	Mud	44.37	52.62725	0.183651
BNGG27006	Mud	66.04	47.22385	0.236906
BNGG27011	Mud	27.99	48.561616	0.101652
BNGG27015	VF-F Sand	32.36	49.639106	0.085644
BNGG27017	M-C Sand	11.03	56.054181	∅ LOD
BNGHX0102	Mud	119.63		
BNGHX0106	Mud	126.63		
BNGHX0108	Mud	113.45		
BNGHX0112	VF-F Sand	124.64		
BNGHX0114	VF-F Sand	122.77		
BNGHX0117	Mud	125.27		
BNGHX0120	VF-F Sand	113.68		
BNGHX0124	VF-F Sand	129.36		
BNGHX0126	Mud	100.74		
BNGHX0127	VF-F Sand	107.23		
BNGHX0129	Mud	130.58		
BNGHX0132	VF-F Sand	104.95		

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGHX0137	VF-F Sand	103.82		
BNGHX0141	VF-F Sand	100.76		
BNGHX0146	VF-F Sand	104.91		
BNGHX0150	VF-F Sand	107.79		
BNGHX0155	VF-F Sand	113.96		
BNGHX0158	Mud	122.95		
BNGHX0159	VF-F Sand	148.58		
BNGHX0164	VF-F Sand	152.83		
BNGHX0167	Mud	146.22		
BNGHX0169	VF-F Sand	121.82		
BNGHX0172	VF-F Sand	159.27		
BNGHX0202	Mud	80.57	42.609303	1.264734
BNGHX0205	Mud	109.85	19.757813	5.018721
BNGHX0208	VF-F Sand	94.95	46.662231	2.299745
BNGHX0212	VF-F Sand	100.29	41.467738	3.25253
BNGHX0214	Mud	113.7	35.924213	6.341585
BNGHX0215	VF-F Sand	99.08	43.06635	2.576691
BNGHX0218	VF-F Sand	98	32.230966	4.985003
BNGHX0220	VF-F Sand	101.25	40.922759	3.225845
BNGHX0224	VF-F Sand	101.04	50.100894	2.935782
BNGHX0229	Mud	120.35	33.319478	6.184816
BNGHX0232	VF-F Sand	120.42	40.382072	2.707395
BNGHX0234	Mud	129.97	38.273647	5.392963
BNGHX0238	Mud	129.15	25.478238	4.265561
BNGHX0243	Mud	105.64	49.330091	1.575158
BNGHX0244	Mud	135.79	33.350822	4.986125
BNGHX0246	Mud	132.47	37.807534	3.515032
BNGHX0249	VF-F Sand	169.77	39.529494	2.771717
BNGHX0250	Mud	145.41	34.977238	6.523925
BNGHX0255	Mud	139.68	36.965344	5.834683
BNGHX0256	VF-F Sand	158.88	37.566769	3.871334
BNGHX0258	VF-F Sand	163.32	37.501275	3.030297
BNGHX0263	M-C Sand	163.14	45.186656	2.112178
BNGHX0267	M-C Sand	173.55	41.946603	2.182172
BNGHX0272	M-C Sand	171.09	46.267894	1.878274
BNGHX0276	M-C Sand	152.88	42.209516	1.989744
BNGHX0281	M-C Sand	175.29	40.146406	2.868166
BNGHX0285	M-C Sand	161.16	41.571469	1.589062
BNGHX0288	M-C Sand	166.78	45.931866	2.312322
BNGHX0291	M-C Sand	167.02	40.748041	3.217643
BNGHX0302	Mud	91.95	49.553566	0.844647
BNGHX0303	Mud	123.02	15.057645	9.421112
BNGHX0308	Mud	113.75	18.563022	10.086248
BNGHX0309	Mud	115.75	19.881302	10.368583
BNGHX0311	Mud	133.05	12.28451	7.56267
BNGHX0314	Mud	98.55	49.715506	2.833748
BNGHX0315	Mud	110.4	40.489928	5.091454
BNGHX0317	Mud	104.04	41.738678	4.259613
BNGHX0318	Mud	104.8	37.810856	4.367716
BNGHX0323	Mud	129.78	37.508813	5.695346
BNGHX0326	Mud	125.48	37.609281	5.544613
BNGHX0329	VF-F Sand	111.52	46.872475	3.786087
BNGHX0332	VF-F Sand	119.27	40.261809	3.89357
BNGHX0334	VF-F Sand	118.36	46.020359	3.515574
BNGHX0335	Mud	130.05	38.802247	4.236446
BNGHX0337	VF-F Sand	124.43	41.886019	2.28916
BNGHX0338	Mud	131.49	35.723391	5.143277
BNGHX0340	Mud	128.15	31.504269	4.679056
BNGHX0341	Mud	118.65	39.620619	4.58151
BNGHX0343	Mud	121.88	34.072747	4.615025
BNGHX0344	Mud	119.11	35.019694	4.677331
BNGHX0346	Mud	129.16	38.546403	4.992678
BNGHX0347	Mud	152.24	40.797828	2.585685
BNGHX0350	Mud	159.02	38.857166	3.530152
BNGHX0352	Mud	140.19	17.523047	4.256621

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGHX0353	Mud	137.31	38.710156	3.301083
BNGHX0356	Mud	140.51	10.216816	2.683707
BNGHX0358	Mud	138.07	14.45205	3.222347
BNGHX0359	Mud	141.9	40.318688	2.348856
BNGHX0361	Mud	157.38	19.728319	3.59192
BNGHX0363	VF-F Sand	159.4	36.897747	3.353871
BNGHX0366	Mud	155.66	14.749056	3.26941
BNGHX0367	VF-F Sand	168.23	34.827669	3.438315
BNGHX0369	Mud	153.69	38.231441	4.063816
BNGHX0370	M-C sand	155.66	41.914356	3.082471
BNGHX0373	VF-F Sand	151.65	35.226353	4.161189
BNGHX0376	VF-F Sand	168.14	33.221863	4.592659
BNGHX0379	M-C sand	174.34	34.739044	4.034921
BNGHX0402	Mud	79.31	44.353281	1.996971
BNGHX0406	Mud	114.97	22.222117	6.238676
BNGHX0408	Mud	111.52	32.857259	5.700471
BNGHX0412	Mud	114.37	31.530378	7.82453
BNGHX0414	Mud	111.98	27.961434	6.344608
BNGHX0415	Mud	132.57	36.76165	4.167265
BNGHX0420	Mud	127.7	34.295609	3.956435
BNGHX0421	VF-F Sand	109.19	38.957963	2.336685
BNGHX0423	VF-F Sand	121.43	36.388456	3.788812
BNGHX0427	VF-F Sand	115.78	40.976356	2.417663
BNGHX0429	VF-F Sand	106.68	38.051641	3.073415
BNGHX0432	Mud	139.67	38.894506	4.292368
BNGHX0437	VF-F Sand	124.9	33.227831	4.253581
BNGHX0440	Mud	132.14	32.547878	5.746785
BNGHX0444	Mud	131.28	28.886975	4.607362
BNGHX0449	Mud	148.63	14.810767	2.728194
BNGHX0450	VF-F Sand	136.76	40.319153	2.037157
BNGHX0455	VF-F Sand	162.03	41.524841	2.328021
BNGHX0456	VF-F Sand	142.84	42.655197	2.884838
BNGHX0458	VF-F Sand	142.79	41.041519	2.615592
BNGHX0461	Mud	141.36	22.546573	3.481235
BNGHX0464	VF-F Sand	147.71	32.256975	4.55462
BNGHX0466	Mud	143.12	14.617956	2.615568
BNGHX0467	VF-F Sand	154	35.697609	3.085556
BNGHX0469	VF-F Sand	169.3	33.279766	4.783493
BNGHX0473	VF-F Sand	163.38	45.460775	1.742068
BNGHX0478	VF-F Sand	183.15	36.017628	4.493082
BNGHX0482	VF-F Sand	161.19	44.652284	1.843796
BNGHX0485	VF-F Sand	171.9	48.966522	2.189023
BNGHX0502	Mud	118.4	42.493819	3.466754
BNGHX0506	VF-F Sand	111.73	43.207131	3.118391
BNGHX0511	VF-F Sand	99.48	38.008472	5.34635
BNGHX0512	VF-F Sand	115.61	48.532766	2.764703
BNGHX0517	VF-F Sand	114.65	49.239741	2.795143
BNGHX0520	VF-F Sand	111.25	41.527578	2.974561
BNGHX0524	VF-F Sand	123.04	38.222075	3.629208
BNGHX0527	VF-F Sand	135.12	40.123172	4.742925
BNGHX0529	VF-F Sand	127.23	39.402472	4.549695
BNGHX0530	VF-F Sand	124.02	43.053388	4.006519
BNGHX0532	Mud	130.57	39.558972	5.045427
BNGHX0537	Mud	140.64	39.170091	4.916974
BNGHX0540	Mud	129.72	9.570177	4.700392
BNGHX0541	Mud	137.08	23.781338	6.95309
BNGHX0543	Mud	147.86	8.273817	4.196969
BNGHX0546	Mud	136.13	19.768547	8.780426
BNGHX0547	Mud	133.29	34.985053	4.473798
BNGHX0552	VF-F Sand	156.83	40.067253	1.714137
BNGHX0556	VF-F Sand	157.18	38.794034	2.72289
BNGHX0561	VF-F Sand	155.89	42.515419	2.085
BNGHX0564	VF-F Sand	155.76	47.293259	2.904946
BNGHX0567	VF-F Sand	154.71	41.608031	3.697701
BNGHX0569	VF-F Sand	166.86	45.712388	2.396937

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGHX0573	VF-F Sand	154.46	45.690428	1.754383
BNGHX0576	M-C Sand	151.2	42.865247	2.068805
BNGHX0578	M-C Sand	159.57	45.708272	2.103415
BNGHX0581	M-C Sand	86.72	49.878806	1.076806
BNGHX0584	M-C Sand	117.73	21.914683	4.195566
BNGHX0585	M-C Sand	123.71	41.283259	2.76225
BNGHX0588	M-C Sand	141.57	43.497513	2.61736
BNGHX0590	M-C Sand	146.69	43.420959	1.83163
BNGHX0591	M-C Sand	150.79	38.121491	3.754053
BNGHX0602	Mud	94.01		
BNGHX0605	Mud	131	45.830875	5.539127
BNGHX0609	Mud	127.89		
BNGHX0611	Mud	140.7		
BNGHX0615	VF-F Sand	139.46	45.488053	2.342731
BNGHX0620	VF-F Sand	139.83		
BNGHX0624	VF-F Sand	137.26		
BNGHX0629	VF-F Sand	143.82		
BNGHX0634	VF-F Sand	142.85		
BNGHX0638	VF-F Sand	145.68		
BNGHX0640	Mud	106.39		
BNGHX0641	VF-F Sand	115.03		
BNGHX0644	VF-F Sand	113.62		
BNGHX0649	VF-F Sand	114.48		
BNGHX0653	Mud	138.79		
BNGHX0658	Mud	133.71	38.051022	5.933469
BNGHX0663	Mud	137.08		
BNGHX0664	VF-F Sand	163.45		
BNGHX0669	VF-F Sand	173.2	40.714669	2.012346
BNGHX0673	M-C Sand	145.84	42.289488	2.446668
BNGHX0675	M-C Sand	147.96		
BNGHX0679	VF-F Sand	154.09	48.264238	1.52947
BNGHX0684	VF-F Sand	158.49	47.113003	1.539427
BNGHX0687	M-C Sand	73.96	46.357747	1.025763
BNGHX0691	M-C Sand	125.74		
BNGHX06EX02	Mud	107.64		
BNGHX06EX05	VF-F Sand	142.95		
BNGHX06EX09	VF-F Sand	137.95		
BNGHX06EX14	VF-F Sand	133.79		
BNGHX06EX18	VF-F Sand	132.89		
BNGHX06EX23	VF-F Sand	144.1		
BNGHX06EX27	VF-F Sand	145.53		
BNGHX06EX32	VF-F Sand	146.1		
BNGHX06EX35	VF-F Sand	141.12		
BNGHX06EX37	VF-F Sand	152.53		
BNGHX06EX41	Mud	130.01		
BNGHX06EX46	VF-F Sand	140.17		
BNGHX06EX50	VF-F Sand	137.41		
BNGHX06EX53	VF-F Sand	151.91		
BNGHX06EX56	VF-F Sand	136.67		
BNGHX06EX61	VF-F Sand	143.1		
BNGHX06EX66	VF-F Sand	122.72		
BNGHX06EX69	VF-F Sand	143.61		
BNGP00002	Mud	79.47	6.472473	3.344636
BNGP00006	Mud	88.68	19.194913	9.172709
BNGP00011	Mud	92.5	17.654369	10.334169
BNGP00015	VF-F Sand	92.06	38.464647	3.867726
BNGP00020	VF-F Sand	90.95	43.317769	2.529669
BNGP00022	Mud	96.35	23.681859	7.419175
BNGP00023	VF-F Sand	97.56	36.071625	3.903685
BNGP00023.5	Mud	94.22	28.024953	6.437923
BNGP00025	VF-F Sand	96.64	42.467313	3.062297
BNGP00028	Mud	101.06	24.731895	7.130836
BNGP00029	VF-F Sand	101.32	39.096544	3.867964
BNGP00030	VF-F Sand	108.4	38.998053	5.00269
BNGP00032	VF-F Sand	102.83	39.256713	4.478361

Continues on next page

Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGP00037	VF-F Sand	97.55	37.587434	4.139089
BNGP00037.5	Mud	98.86	35.333416	4.394949
BNGP00038	VF-F Sand	106.27	43.435959	4.472123
BNGP00039	Mud	110.55	19.69813	11.08131
BNGP00040	VF-F Sand	105.38	32.164838	6.737761
BNGP00041	Mud	95.59	17.475902	10.978849
BNGP00046	VF-F Sand	101.89	46.275097	4.459324
BNGP00050	VF-F Sand	100.59	44.807713	4.165402
BNGP00055	VF-F Sand	110.88	44.430209	4.213841
BNGP00059	VF-F Sand	98.68	45.686897	3.793846
BNGP00063	VF-F Sand	106.68	47.489153	3.326939
BNGP00402	Mud	68.91	32.257266	0.769663
BNGP00405	VF-F Sand	91.52	48.025628	2.346238
BNGP00408	VF-F Sand	97.37	48.623725	2.41031
BNGP00412	VF-F Sand	91.57	46.849022	1.656634
BNGP00417	VF-F Sand	84.98	43.556509	1.97317
BNGP00421	VF-F Sand	84.56	42.023881	2.179186
BNGP00423	VF-F Sand	86.05	45.527338	1.848072
BNGP00427	VF-F Sand	75.67	35.576916	1.435568
BNGP00432	VF-F Sand	85.37	48.387503	1.422779
BNGP00435	VF-F Sand	85.63	44.602325	1.369828
BNGP00440	VF-F Sand	100.71	37.633703	1.654991
BNGP00443	VF-F Sand	94.85	46.706181	1.746596
BNGP00447	VF-F Sand	93.53	40.752644	2.063118
BNGP00452	VF-F Sand	83.54	41.019328	0.635007
BNGP00456	VF-F Sand	101.12	49.688944	2.215796
BNGP00458	VF-F Sand	98.64	42.9943	1.744685
BNGP00463	VF-F Sand	101.64	49.820309	2.324877
BNGP00467	VF-F Sand	92.57	40.509259	1.48379
BNGP00471	VF-F Sand	98.8	48.475888	2.329219
BNGP00475	VF-F Sand	102.02	47.529466	1.924571
BNGP00481	F-M Sand	101.04	48.142119	1.508109
BNGP00486	F-M Sand	110.72	45.784478	1.769722
BNGP00487	Mud	100.57	40.667488	2.48412
BNGP00802	Mud	121.55	11.035498	13.797456
BNGP00803	Mud	125.7	12.576944	5.537188
BNGP00805	Mud	86.97	12.433594	12.028243
BNGP00806	Mud	113.72	13.419327	3.262341
BNGP00808	Mud	68.39	2.238389	1.011553
BNGP00809	Mud	81.96	3.348734	1.911824
BNGP00811	Mud	120.45	11.714564	3.722463
BNGP00812	Mud	114.57	28.343838	7.259408
BNGP00814	Mud	120.15	18.255717	11.455052
BNGP00815	Mud	101.99	38.639094	4.266051
BNGP00817	Mud	104.46	43.022613	3.945961
BNGP00818	Mud	102.65	28.082566	7.457723
BNGP00820	VF-F Sand	110.43	33.803509	6.82733
BNGP00821	VF-F Sand	97.07	42.66145	3.438456
BNGP00823	Mud	103.26	37.3752	4.432468
BNGP00824	Mud	108.02	23.962195	8.533992
BNGP00826	Mud	122.23	12.375534	14.168198
BNGP00827	Mud	108.2	37.242097	3.527522
BNGP00829	VF-F Sand	126.59	43.808584	2.664984
BNGP00830	VF-F Sand	100.71	40.462719	4.121741
BNGP00832	VF-F Sand	97.26	46.9715	4.145915
BNGP00834	VF-F Sand	99.73	41.848278	4.593886
BNGP00835	VF-F Sand	101.18	46.294556	4.60801
BNGP00837	VF-F Sand	104.52	40.038972	4.204909
BNGP00838	VF-F Sand	107.04	37.593669	4.956845
BNGP00840	VF-F Sand	100.33	37.889053	4.540038
BNGP00841	VF-F Sand	101.21	40.937184	4.404057
BNGP00843	VF-F Sand	97.69	33.502694	4.7708
BNGP00844	VF-F Sand	98.78	39.227566	3.673527
BNGP00846	VF-F Sand	101.1	37.336553	3.892163
BNGP00847	VF-F Sand	98.75	35.941231	4.647716

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGP00849	VF-F Sand	100.34	40.327797	3.801332
BNGP00850	Mud	102.22	19.162922	10.574213
BNGP00852	VF-F Sand	106.77	34.327441	5.449489
BNGP00853	VF-F Sand	98.73	37.313903	4.489001
BNGP00855	VF-F Sand	95.74	34.105266	2.983607
BNGP00856	VF-F Sand	99.46	41.321041	4.351211
BNGP00858	VF-F Sand	101.84	42.726447	3.499382
BNGP00859	VF-F Sand	101.53	43.560097	3.566793
BNGP00861	VF-F Sand	103.97	40.105753	4.213984
BNGP00863	VF-F Sand	105.67	38.368034	5.063494
BNGP00864	VF-F Sand	104.8	39.858203	3.179337
BNGP00866	VF-F Sand	114.72	40.447081	3.716469
BNGP00867	VF-F Sand	102.5	41.508556	3.29681
BNGP00869	VF-F Sand	104.33	39.081806	3.191941
BNGP00870	VF-F Sand	116.16	38.92555	4.123519
BNGP00871	VF-F Sand	107.51	41.462941	4.13969
BNGP00873	VF-F Sand	104.74	41.284516	4.017834
BNGP00875	VF-F Sand	99.56	36.026431	4.71251
BNGP00876	VF-F Sand	103.09	38.089731	4.406589
BNGP00878	VF-F Sand	111.51	39.443953	4.567227
BNGP00879	VF-F Sand	106.76	41.565394	3.693401
BNGP00881	VF-F Sand	115.03	38.029109	3.560153
BNGP00882	VF-F Sand	99.37	30.594738	3.89835
BNGP00884	VF-F Sand	111.01	39.950138	4.447827
BNGP00885	VF-F Sand	104.47	37.287231	4.211079
BNGP00887	VF-F Sand	100.24	35.930056	4.2995
BNGP00890	VF-F Sand	116.38	37.616978	5.057977
BNGP00891	VF-F Sand	109.32	33.163813	4.94608
BNGP00893	VF-F Sand	106.99	38.299631	4.605724
BNGP00894	VF-F Sand	111.28	40.003581	4.913071
BNGP01402	Mud	54.91	22.985613	0.324277
BNGP01406	Mud	95.37	43.01015	2.283447
BNGP01411	VF-F Sand	87.5	36.099406	2.166221
BNGP01412	VF-F Sand	84.2	37.65355	1.56369
BNGP01417	VF-F Sand	71.24	39.361641	1.725846
BNGP01417.5	Mud	70.31	42.08225	0.560794
BNGP01418	VF-F Sand	72.57	38.507922	1.485934
BNGP01420.5	Mud	77.99	38.825284	1.690476
BNGP01421	VF-F Sand	85.96	42.831913	1.878598
BNGP01423	Mud	75.26	35.609759	1.674947
BNGP01427	Mud	91.6	39.845956	2.101368
BNGP01432	Mud	88.78	42.630103	2.12465
BNGP01437	Mud	75.15	38.495278	1.771088
BNGP01441	Mud	94.78	38.929425	2.740473
BNGP01446	Mud	86.64	35.334741	2.211523
BNGP01447	VF-F Sand	84.78	37.334822	2.23881
BNGP01452	F-M Sand	104.37	47.759194	2.840896
BNGP01456	F-M Sand	101.65	46.678419	2.22941
BNGP01461	F-M Sand	82.32	39.697013	1.518321
BNGP01466	VF-F Sand	101.33	46.745941	1.853893
BNGP01475	VF-F Sand	108.45	46.566775	2.838067
BNGP01479	VF-F Sand	108.38	47.673	2.225054
BNGP01702	Mud	81.35	45.770666	0.978365
BNGP01703	Mud	91.13	16.408228	10.560082
BNGP01705	Mud	96.43	37.923922	3.92229
BNGP01706	Mud	90.91	29.917722	7.408595
BNGP01708	Mud	85.78	21.879398	9.392931
BNGP01709	Mud	92.76	26.664175	7.677959
BNGP01711	Mud	79.84	17.761731	10.633381
BNGP01712	Mud	94.82	24.961992	7.368127
BNGP01714	VF-F Sand	94.29	40.806647	3.363723
BNGP01715	VF-F Sand	95.32	40.403063	2.797409
BNGP01717	VF-F Sand	98.71	37.115128	3.950588
BNGP01717.5	Mud	98.74	29.547356	6.008786
BNGP01718	VF-F Sand	99.88	39.028347	4.203849

Continues on next page

Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGP01719	VF-F Sand	98.06	29.945478	6.552802
BNGP01720	VF-F Sand	95.87	46.141694	3.481805
BNGP01721	VF-F Sand	95.22	34.078469	5.703365
BNGP01723	VF-F Sand	95.5	36.001125	4.950187
BNGP01724	VF-F Sand	87.7	47.383916	2.775737
BNGP01726	VF-F Sand	93.31	34.99915	4.482124
BNGP01727	Mud	104.67	15.538366	12.484673
BNGP01729	Mud	85.58	47.515603	2.222508
BNGP01730	Mud	103.7	17.092975	11.584341
BNGP01732	Mud	114.64	38.720203	5.435397
BNGP01734	Mud	108.14	26.474172	8.320614
BNGP01735	VF-F Sand	107.21	37.4759	5.551089
BNGP01737	VF-F Sand	103.18	39.337428	4.200904
BNGP01738	VF-F Sand	100.84	36.443459	4.763399
BNGP01740	VF-F Sand	95.83	38.652459	4.612764
BNGP01741	VF-F Sand	98.22	44.364522	3.540839
BNGP01743	VF-F Sand	101.22	43.138181	3.907608
BNGP01744	VF-F Sand	95.79	36.561763	4.641044
BNGP01746	VF-F Sand	96.63	42.154259	3.853744
BNGP01747	VF-F Sand	101.78	42.7586	4.282655
BNGP01749	VF-F Sand	102.01	39.135672	4.275562
BNGP01750	VF-F Sand	99.28	39.815484	5.209695
BNGP01752	VF-F Sand	101.62	44.246513	3.653731
BNGP01753	VF-F Sand	99.1	38.597366	4.440226
BNGP01755	VF-F Sand	103.7	42.185569	3.476491
BNGP01755.5	Mud	112.41	7.052278	5.754883
BNGP01756	VF-F Sand	108.26	34.578113	5.074526
BNGP01758	VF-F Sand	105.72	46.426209	4.254624
BNGP01759	VF-F Sand	97.65	43.058522	3.688563
BNGP01761	VF-F Sand	102.69	35.0852	5.525546
BNGP01763	VF-F Sand	104.72	37.388528	5.577174
BNGP01764	VF-F Sand	95.96	40.624878	3.784085
BNGP01766	VF-F Sand	96.92	40.328716	3.813971
BNGP01767	F-M Sand	95.07	40.134028	3.3931
BNGP01769	F-M Sand	110.13	43.991072	2.966106
BNGP01770	F-M Sand	97.06	41.831881	3.602405
BNGP01771	VF-F Sand	103.08	42.346647	3.607851
BNGP01773	VF-F Sand	105.61	38.187469	3.849981
BNGP01775	VF-F Sand	97.67	38.214131	3.773506
BNGP01776	VF-F Sand	97.79	40.176234	3.344422
BNGP01778	VF-F Sand	105.11	43.005291	4.572218
BNGP01779	VF-F Sand	112.72	38.301728	4.636347
BNGP01781	F-M Sand	112.08	38.712528	3.899098
BNGP01782	VF-F Sand	109.59	47.171284	3.945906
BNGP01784	F-M Sand	105.11	39.924263	4.463615
BNGP01785	F-M Sand	97.39	40.229194	3.771029
BNGP01787	F-M Sand	100.86	44.844463	3.240081
BNGP01788	Mud	107.73	20.563323	9.044182
BNGP01789	Mud	127.22	15.861619	11.617627
BNGP01790	VF-F Sand	107.33	45.855544	3.753843
BNGP01791	VF-F Sand	110.37	36.891419	5.165688
BNGS00102	Mud	103.06	35.879456	0.134334
BNGS00106	Mud	71.16	31.866497	0.152348
BNGS00111	VF-F Sand	48.22	49.570359	0.221161
BNGS00115	VF-F Sand	62.06	44.132738	0.304938
BNGS00120	VF-F Sand	65.19	45.040338	0.340475
BNGS00123	M-C sand	90.72	44.437163	0.5322
BNGS00124	M-C sand	87.07	43.790475	0.701546
BNGS00129	M-C sand	70.92	41.600125	0.570926
BNGS00130	M-C sand	69.84	40.395106	0.68102
BNGS00140	VF-F Sand	94.47	48.447944	1.028054
BNGS00144	M-C sand	96.23	50.487188	0.684293
BNGS00147	VF-F Sand	103.18	46.905809	1.176807
BNGS00149	VF-F Sand	105.31	48.052738	0.903846
BNGS00802	Mud	77.08	44.917347	0.12968

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGS00806	Mud	73.69	36.877663	0.132591
BNGS00811	Mud	66.36	34.165038	0.106603
BNGS00815	Mud	69.46	39.065472	0.16532
BNGS00818	VF-F sand	43.27	54.221938	0.110642
BNGS00820	VF-F sand	43.82	52.509213	0.104413
BNGS00A02	VF-F Sand	93.66	43.604044	0.726317
BNGS00A06	VF-F Sand	121.46	44.035116	0.884048
BNGS00A11	VF-F Sand	137.7	45.988991	1.345468
BNGS00A15	VF-F Sand	130.03	44.281941	1.102411
BNGS00A20	VF-F Sand	128.99	45.706622	0.99704
BNGS00A24	M-C sand	160.19	46.63915	1.322088
BNGS00A29	M-C sand	114.08	47.172588	1.08428
BNGS00A34	VF-F Sand	116.01	45.634406	1.09643
BNGS00A37	VF-F Sand	125.75	44.645003	0.997503
BNGS00A41	VF-F Sand	145.32	46.5109	1.292834
BNGS00A43.5	VF-F Sand	136.28	49.047325	1.409029
BNGS00B02	Mud	107.74	42.878503	0.587124
BNGS00B03	VF-F Sand	72.03	46.788603	0.619843
BNGS00B08	M-C sand	103.88	45.696934	0.792306
BNGS00B12	M-C sand	70.8	44.729425	0.638861
BNGS00B15	VF-F Sand	99.66	47.14645	0.840002
BNGS00B20	VF-F Sand	87.48	48.875794	0.699049
BNGS00B26	VF-F Sand	86.98	48.485984	0.752048
BNGS00B30	VF-F Sand	101.71	48.707566	0.815402
BNGS00C02	Mud	66.1	46.086141	0.229424
BNGS00C03	M-C sand	57.84	50.662194	0.147694
BNGS00C05	Mud	73.73	38.381241	0.06643
BNGS00C08	VF-F Sand	8.03	57.979194	∫ LOD
BNGS00C11	M-C sand	13.21	47.474422	0.022371
BNGS00C11.5	Mud	66.21	40.730091	0.104966
BNGS00C15	VF-F Sand	15.8	53.114638	∫ LOD
BNGS00C17	Mud	49.2	42.187644	0.032641
BNGS00C18	VF-F Sand	23.23	50.503247	∫ LOD
BNGS00C19	Mud	38.32	47.766372	∫ LOD
BNGS00C22	VF-F Sand	13.57	56.339163	∫ LOD
BNGS00C23	Mud	51.19	46.969894	∫ LOD
BNGS00C24	VF-F Sand	15.29	58.759069	∫ LOD
BNGS00C29	VF-F Sand	8.04	60.617956	∫ LOD
BNGS00C29.5	Mud	48.87	44.613	∫ LOD
BNGS00C30	VF-F Sand	12.7	57.255131	∫ LOD
BNGS00C35	Mud	52.48	47.637791	0.060438
BNGS00C36	Mud	62.9	45.092653	0.056499
BNGS01202	Mud	77.98	43.376228	0.126712
BNGS01206	Mud	84.64	40.256903	0.156038
BNGS01211	Mud	81.59	41.659766	0.095061
BNGS01215	Mud	78.31	43.613716	0.146542
BNGS01220	Mud	39.47	46.614203	∫ LOD
BNGS01223	VF-F Sand	49.42	44.558241	∫ LOD
BNGS01224	VF-F Sand	15.49	62.576581	∫ LOD
BNGS01228	Mud	85.07	42.971634	0.048951
BNGS01229	VF-F Sand	18.64	52.765806	∫ LOD
BNGS01230	Mud	63.54	44.317953	∫ LOD
BNGS01502	Mud	86.58	41.892566	0.085721
BNGS01506	VF-F Sand	51.63	50.660866	0.224622
BNGS01508	Mud	85.62	41.511972	0.391347
BNGS01509	Mud	92.6	41.217041	0.583223
BNGS01513	M-C sand	75.08	44.242269	0.474138
BNGS01514	Mud	87.67	42.00775	0.598353
BNGS01517	M-C sand	51.05	44.447266	0.303112
BNGS01518	Mud	76.93	39.380353	0.293507
BNGS01520	VF-F Sand	75.45	48.617719	0.331493
BNGS01524	VF-F Sand	81.68	47.344153	0.449423
BNGS01529	M-C sand	69.47	45.970647	0.376564
BNGS01534	M-C sand	84.54	48.084234	0.377714
BNGS01538	M-C sand	84.59	53.044088	0.202252

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGS01541	M-C sand	69.17	49.994247	0.28578
BNGS01543	VF-F Sand	86.88	51.875597	0.328302
BNGS01544	Mud	73.99	41.580169	0.331786
BNGS01547	VF-F Sand	48.65	49.423128	0.369779
BNGS01549	VF-F Sand	67.3	48.097744	0.372528
BNGS01602	Mud	73.26	31.02985	0.109819
BNGS01605	VF-F Sand	38.51	52.823881	0.109054
BNGS01606	Mud	64.63	36.826009	0.098977
BNGS01608	Mud	72.6	38.598931	0.192716
BNGS01609	Mud	83.81	43.95785	0.080539
BNGS01614	Mud	72.99	44.239184	0.108494
BNGS01615	Mud	74.5	26.535544	0.404411
BNGS01617	Mud	79.8	43.793438	0.133075
BNGS01621	VF-F Sand	60.97	53.650619	0.291973
BNGS01623	Mud	76.69	41.512303	0.33541
BNGS01627	Mud	81.79	34.811191	0.368907
BNGS01628	Mud	39.4	37.319303	0.059575
BNGS02102	Mud	69.48	38.079713	0.26655
BNGS02105	Mud	66.17	31.991266	0.241454
BNGS02106	Mud	83.17	45.719828	0.469812
BNGS02108	Mud	72.48	44.770303	0.180041
BNGS02109	Mud	58.83	32.088831	0.239098
BNGS02114	Mud	80.29	42.840003	0.363385
BNGS02118	Mud	73.31	42.411716	0.439115
BNGS02120	Mud	82.25	42.607384	0.163066
BNGS02402	Mud	56.11	38.041025	0.223707
BNGS02405	Mud	63.73	35.066856	0.161749
BNGS02409	Mud	74.44	43.760238	0.187356
BNGS02412	M-C sand	65.37	45.95885	0.196682
BNGS02417	Mud	73.33	37.591888	0.211728
BNGS02420	VF-F Sand	37.13	53.412294	0.129512
BNGS02424	VF-F Sand	46.32	47.660256	0.177177
BNGS02426	VF-F Sand	56.48	40.958616	0.271852
BNGS02430	M-C sand	50.71	41.071006	0.179065
BNGS02435	M-C sand	61.89	44.711306	0.23761
BNGS02437	M-C sand	56.09	41.936363	0.429439
BNGS02438	M-C sand	122.75	45.541381	0.173473
BNGSH109502	Mud	175.61	41.817244	2.068087
BNGSH109505	Mud	143.62	40.413959	1.658368
BNGSH109506	VF-F sand	154.98	45.254028	1.383263
BNGSH109512	VF-F sand	167.23	52.035288	1.62688
BNGSH109515	VF-F sand	181.07	53.136088	1.563314
BNGSH109520	VF-F sand	165.54	53.338369	1.531176
BNGSH109524	VF-F sand	163.96	47.167053	1.916926
BNGSH109529	M-C Sand	135.48	55.188006	1.137525
BNGSH109532	M-C Sand	134.64	60.544669	1.024774
BNGSH109537	M-C Sand	160.84	53.2121	1.413014
BNGSH109541	M-C Sand	156.91	55.987731	1.446245
BNGSH109546	M-C Sand	158.96	58.480481	1.18583
BNGSH109550	M-C Sand	164.85	61.089	1.276531
BNGSH109553	M-C Sand	130.73	37.370866	1.168857
BNGSH109556	M-C Sand	153.14	50.150691	0.938368
BNGSH110002	Mud	152.76	37.907247	1.566903
BNGSH110006	VF-F Sand	176.85	47.774694	1.615316
BNGSH110011	VF-F Sand	168.8	47.090928	1.527199
BNGSH110015	VF-F Sand	163.68	48.493347	1.578184
BNGSH110020	VF-F Sand	164.49	52.597438	1.156029
BNGSH110024	M-C Sand	136.87	51.139538	0.946448
BNGSH110029	M-C Sand	123.93	51.086284	0.9085
BNGSH110034	M-C Sand	175.42	51.054094	1.18412
BNGSH110038	M-C Sand	132.53	52.362003	0.755645
BNGSH209502	Mud	159.39	48.313491	1.400525
BNGSH209503	VF- F Sand	164.77	51.541716	1.447228
BNGSH209508	VF- F Sand	153.64	45.176688	1.343303
BNGSH209512	VF- F Sand	154.52	45.841969	1.404173

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH209517	M-C Sand	137.38	49.948694	0.951461
BNGSH209521	M-C Sand	135.87	43.513188	1.131338
BNGSH209526.5	M-C Sand	81.88	31.009375	1.127526
BNGSH209527	M-C Sand	130.94	44.766225	0.99571
BNGSH209532	VF- F Sand	150	49.839213	1.594558
BNGSH209535	M-C Sand	152.22	52.205891	1.315731
BNGSH209538	M-C Sand	118.25	57.864575	1.086782
BNGSH209543	M-C Sand	114.11	43.743209	0.876859
BNGSH209547	VF- F Sand	181.13	54.604425	1.526282
BNGSH210002	VF-F Sand	157.08	47.073394	1.597355
BNGSH210002.5	Mud	152.36	42.989475	1.488613
BNGSH210006	VF-F Sand	158.34	45.800372	1.596095
BNGSH210011	VF-F Sand	146.42	50.934413	1.138783
BNGSH210015	VF-F Sand	174.28	49.025538	1.512214
BNGSH210020	M-C Sand	150.48	48.843459	1.040166
BNGSH2100E02	VF-F Sand	162.34	42.243103	1.19235
BNGSH2100E03	Mud	126.26	36.758859	1.490757
BNGSH2100E05	Mud	132.1	35.632572	1.57147
BNGSH2100E08	VF-F Sand	145.07	39.762463	1.518501
BNGSH2100E12	M-C Sand	150.72	37.730528	1.182525
BNGSH2100E17	M-C Sand	149.88	48.244641	1.099251
BNGSH2100E21	M-C Sand	161.42	45.187138	1.349615
BNGSH2100E24	M-C Sand	163.12	47.166997	1.31737
BNGSH308002	VF-F Sand	151.01	40.854963	1.720065
BNGSH308006	VF-F Sand	149.51	40.404166	1.366925
BNGSH308009	VF-F Sand	147.33	38.804772	0.944668
BNGSH308014	M-C Sand	147.39	37.897653	1.140371
BNGSH308018	M-C Sand	149.08	41.963497	1.052754
BNGSH308023	VF-F Sand	156.75	44.275544	1.168627
BNGSH308026	M-C Sand	153.42	50.536122	1.296042
BNGSH308029	VF-F Sand	136.14	52.910556	0.911626
BNGSH308035	M-C Sand	136.77	41.600206	0.910071
BNGSH308038	M-C Sand	155.33	41.324978	1.195913
BNGSH308043	VF-F Sand	148.09	40.846053	1.143013
BNGSH308047	M-C Sand	145.45	42.060363	0.801529
BNGSH308052	VF-F Sand	160.49	41.541044	1.632644
BNGSH308056	M-C Sand	139.48	40.488375	1.070355
BNGSH308059	M-C Sand	120.34	54.200825	1.140609
BNGSH308063.5	Mud	69.96	38.759763	0.43603
BNGSH308502	VF-F Sand	163.11	45.359419	1.797438
BNGSH308506	VF-F Sand	172.69	49.467472	1.43557
BNGSH308508	M-C Sand	161.87	47.268953	1.159613
BNGSH308512	M-C Sand	143.72	50.062569	1.053654
BNGSH308517	VF-F Sand	166.69	44.969706	1.525032
BNGSH308520	M-C Sand	169.86	52.412322	1.059556
BNGSH308524	M-C Sand	115.18	57.079656	0.807277
BNGSH308529	M-C Sand	154.01	52.2165	1.309626
BNGSH308534	M-C Sand	159.98	44.644894	1.303548
BNGSH308538	M-C Sand	154.48	41.041038	1.056923
BNGSH308543	VF-F Sand	160.17	51.68545	1.189252
BNGSH308546	M-C Sand	145.79	51.314903	0.934321
BNGSH308546.5	Mud	32.36	16.13358	1.49094
BNGSH308547	M-C Sand	116.51	36.209906	1.023842
BNGSH308549	M-C Sand	127.94	44.123134	0.999905
BNGSH308550	M-C Sand	96.49	47.652197	1.484723
BNGSH309002	VF-F Sand	161.59	39.971391	1.4253
BNGSH309005.5	Mud	122.22	36.919238	1.594852
BNGSH309006	M-C Sand	145.85	39.326666	1.379669
BNGSH309011	M-C Sand	157.53	50.053225	1.052532
BNGSH309014.5	Mud	148.28	42.738672	1.763428
BNGSH309015	VF-F Sand	167.06	46.179156	1.531913
BNGSH309020	M-C Sand	154.56	47.466072	1.103295
BNGSH309024	M-C Sand	160.3	51.638281	0.99676
BNGSH309029	M-C Sand	97.63	55.134738	0.507549
BNGSH309034	M-C Sand	164.87	48.296569	1.463272

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH309038	M-C Sand	148.03	42.919056	1.152249
BNGSH309043	M-C Sand	155.48	53.272369	0.943791
BNGSH309047	M-C Sand	143.79	49.195094	1.107408
BNGSH309049	M-C Sand	112.16	53.241988	0.827695
BNGSH309502	VF-F Sand	159.49	38.375134	1.600874
BNGSH309506	VF-F Sand	161.47	39.759003	1.773464
BNGSH309511	VF-F Sand	170.84	40.735916	1.390048
BNGSH309515	VF-F Sand	143.9	38.992	1.293794
BNGSH309520	VF-F Sand	166.3	44.424056	1.036325
BNGSH309521	M-C Sand	109.84	48.655816	0.87618
BNGSH309526	M-C Sand	147.79	46.654066	1.109655
BNGSH309529	M-C Sand	159.88	51.074416	1.023237
BNGSH3095E02	Mud	157.68	40.767197	1.557625
BNGSH3095E06	VF-F Sand	160.94	43.155131	1.665727
BNGSH3095E11	VF-F Sand	161.3	41.272325	1.560562
BNGSH407302	VF-F Sand	162.68	46.171316	1.673124
BNGSH407306	VF-F Sand	167.23	42.7932	1.348078
BNGSH407308	Mud	141.8	43.065731	1.537192
BNGSH407312	M-C Sand	170.05	50.275606	1.406749
BNGSH407317	VF-F Sand	172.35	49.409981	1.624214
BNGSH407321	VF-F Sand	169.08	48.447459	1.4518
BNGSH407323	VF-F Sand	180.57	49.627538	1.408159
BNGSH407324	M-C Sand	127.36	53.653425	0.557906
BNGSH407326.5	Mud	147.99	43.521572	1.496575
BNGSH407327	VF-F Sand	151.82	39.543031	1.158948
BNGSH407332	M-C Sand	113.12	51.374916	1.013212
BNGSH407337	VF-F Sand	162.72	46.398191	1.263782
BNGSH407341	VF-F Sand	151.57	48.87455	1.042364
BNGSH407346	VF-F Sand	147.11	46.533734	1.624581
BNGSH407349	M-C Sand	147.76	45.558822	1.459488
BNGSH407802	VF-F Sand	174.41	47.156219	1.431177
BNGSH407804	Mud	141.81	40.677819	1.438666
BNGSH407805	VF-F Sand	168.23	48.601441	1.427651
BNGSH407809	M-C Sand	169.72	42.29115	1.433587
BNGSH407812	VF-F Sand	153.91	48.995175	1.347546
BNGSH407817	M-C Sand	155.76	44.448244	1.28962
BNGSH407821	M-C Sand	156.07	55.579163	1.25477
BNGSH407826	VF-F Sand	183.92	48.548941	1.166359
BNGSH407830	M-C Sand	167.54	52.506038	1.383552
BNGSH407835	M-C Sand	79.39	51.053697	0.814973
BNGSH407838	M-C Sand	51.053697	53.539675	0.839371
BNGSH407840	M-C Sand	115.93	52.130409	1.039387
BNGSH407843	M-C Sand	125.61	46.968716	1.507824
BNGSH408202	Mud	115.03	38.720313	0.919972
BNGSH408203	M-C Sand	153.57	46.430247	1.110596
BNGSH408205	VF-F Sand	165.82	48.889041	1.623123
BNGSH408209	M-C Sand	145.94	37.830909	0.93768
BNGSH408214	M-C Sand	143.11	54.178594	0.890199
BNGSH408218	M-C Sand	148.55	40.161738	1.271098
BNGSH408223	M-C Sand	149.94	50.586409	1.33398
BNGSH408227	M-C Sand	161.51	42.320944	1.486751
BNGSH408232	M-C Sand	147.53	54.380506	0.958308
BNGSH408237	M-C Sand	153.03	55.120413	1.105958
BNGSH408241	M-C Sand	171.64	50.842325	1.153414
BNGSH408246	M-C Sand	138.17	40.276338	0.940357
BNGSH408253	M-C Sand	124.53	48.902909	1.046293
BNGSH408256	M-C Sand	148.89	44.121006	1.659624
BNGSH408258	M-C Sand	114.25	51.598553	1.013218
BNGSH408602	Mud	99.82	33.880016	0.945613
BNGSH408606	Mud	69.15	34.809109	0.522073
BNGSH408608	Mud	67.89	31.818094	0.412707
BNGSH408609	VF-F Sand	146.94	47.883859	1.481785
BNGSH408614	VF-F Sand	154.12	43.749344	1.297673
BNGSH408618	M-C Sand	140.07	47.878697	1.01217
BNGSH408623	M-C Sand	170.05	46.512259	1.24468

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH408627	M-C Sand	158.92	44.004959	1.20729
BNGSH408632	M-C Sand	159.02	50.094697	1.030616
BNGSH408637	M-C Sand	155.62	43.169609	1.352333
BNGSH408641	M-C Sand	161.61	40.133197	1.210508
BNGSH408646	M-C Sand	133.99	38.158641	0.791106
BNGSH408650	VF-F Sand	136.46	44.02495	1.072006
BNGSH408652	M-C Sand	136.94	39.946203	1.098127
BNGSH409102	Mud	82.91	37.175706	0.63714
BNGSH409103	Mud	33.07	36.741303	0.085818
BNGSH409105	Mud	34.1	43.091272	0.068866
BNGSH409106	Mud	49.27	43.642494	0.035932
BNGSH409108	Mud	13.21	58.984869	∫ LOD
BNGSH409109	Mud	48.26	43.0191	0.247668
BNGSH409114	VF-F Sand	43.03	42.066044	0.203809
BNGSH409115	VF-F Sand	35.05	30.048213	0.159498
BNGSH409117	VF-F Sand	17.14	55.732606	0.009122
BNGSH409121	VF-F Sand	114.83	44.107706	0.914914
BNGSH409126	VF-F Sand	164.17	46.915781	1.451268
BNGSH409127	VF-F Sand	46.2	57.879	0.227762
BNGSH409402	Mud	34.34	40.453369	0.062167
BNGSH409405	Mud	172.75	43.691041	1.341563
BNGSH409406	Mud	106.5	39.665778	0.95784
BNGSH409408	Mud	47.07	42.208756	0.350611
BNGSH409411	Mud	64.35	41.643859	0.398728
BNGSH409414	VF-F sand	49.14	49.803697	0.400587
BNGSH409415	VF-F sand	55.84	54.098119	0.368698
BNGSH409603	Mud	24.98	38.298303	0.085274
BNGSH409605	VF-M Sand	18.98	39.596819	0.034954
BNGSH409607	C-VC Sand	14.96	50.227497	∫ LOD
BNGSH410002	VF-F Sand	12.91	55.276788	∫ LOD
BNGSH410005	Mud	45.36	45.251466	0.148722
BNGSH410006	M-C Sand	30.98	48.286506	0.044316
BNGSH410011	VF-F Sand	22.8	54.358788	0.112086
BNGSH410015	Mud	44.78	42.104397	0.682525
BNGSH410017	VF-F Sand	28.1	49.7187	0.203475
BNGSH410021	VF-F Sand	31.76	52.751144	0.183377
BNGSH410023	Mud	59.41	40.512788	0.925123
BNGSH410024	VF-F Sand	31.11	46.51745	0.346795
BNGSH410025	Mud	60.37	42.789472	0.41591
BNGSH410026	VF-F Sand	19.08	53.09175	0.11258
BNGSH502602	Mud	107.688	40.5268	0.8808127
BNGSH502603	VF-F Sand	161.054	48.1787906	1.7395064
BNGSH502609	Mud	91.842	29.0004	0.5592379
BNGSH502614	Mud	98.627	35.6167344	1.2251218
BNGSH502618	Mud	81.194	39.3262406	0.4545769
BNGSH502623	Mud	109.95	37.5764344	0.7466287
BNGSH502627	Mud	119.819	35.8025531	0.8385308
BNGSH502632	Mud	102.889	35.4089844	0.6451467
BNGSH503102	VF-F Sand	132.158	35.81735	1.5075484
BNGSH503103	Mud	128.06	50.206334	10.168545
BNGSH503108	Mud	103.88	46.279734	10.899513
BNGSH503114	Mud	111.84	47.366328	11.206625
BNGSH503115	Mud	31.641	30.7371781	0.159219
BNGSH503118	Mud	46.3	45.054966	12.193842
BNGSH503123	Mud	100.87	47.280834	11.458483
BNGSH503126	VF-F Sand	106.05	26.8234844	0.7272616
BNGSH503130	VF-F Sand	100.786	28.3956375	0.6944301
BNGSH503135	VF-F Sand	103.922	29.1611594	0.6372745
BNGSH503140	VF-F Sand	113.028	28.8905844	0.8781225
BNGSH503144	VF-F Sand	116.846	23.4954781	0.7486331
BNGSH503149	M-C Sand	94.16	30.9728656	0.5200291
BNGSH503152	M-C Sand	100.585	20.8914188	0.4786585
BNGSH503602	VF-F Sand	172.276	54.6485063	1.4567816
BNGSH503606	VF-F Sand	153.508	55.1669875	1.7046996
BNGSH503611	VF-F Sand	190.664	57.3204313	2.268726

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH503615	M-C Sand	172.266	57.7748938	1.8812154
BNGSH503620	M-C Sand	161.794	53.2422188	1.5759854
BNGSH503624	M-C Sand	157.935	60.8546813	1.193269
BNGSH503629	M-C Sand	161.699	55.4204625	1.7520781
BNGSH503634	M-C Sand	134.298	45.8726344	1.3501521
BNGSH503638	M-C Sand	156.688	50.9496469	1.5626133
BNGSH503643	M-C Sand	157.257	46.1223719	1.6656809
BNGSH503647	M-C Sand	164.937	43.6127906	1.7718896
BNGSH503649	M-C Sand	183.407	47.7178156	1.5785817
BNGSH503656	M-C Sand	139.068	46.8384313	1.1384314
BNGSH503658	M-C Sand	139.948	49.2992531	1.3858025
BNGSH503663	M-C Sand	127.72	43.2356094	1.6814518
BNGSH503667	M-C Sand	137.492	45.6205719	1.6589914
BNGSH503671	M-C Sand	153.772	47.6776563	1.2628585
BNGSH503676	M-C Sand	148.095	42.7809406	1.9449236
BNGSH503681	VF-F Sand	150.021	43.1889875	1.5706959
BNGSH503684	M-C Sand	148.176	42.1155531	1.8366885
BNGSH504102	Mud	144.953	44.0502094	1.4141313
BNGSH504106	Mud	133.214	43.1583375	1.4672257
BNGSH504108	VF-F Sand	156.438	50.0682719	0.9725094
BNGSH504112	VF-F Sand	163.611	51.2088344	1.462558
BNGSH504117	VF-F Sand	151.078	49.6007438	0.9706219
BNGSH504118	Mud	41.441	45.8895531	0.159531
BNGSH504120	Mud	45.306	40.1298063	0.1424731
BNGSH504121	Mud	44.658	36.3393563	0.1594145
BNGSH504123	VF-F Sand	80.83	34.3663719	0.5426035
BNGSH504124	VF-F Sand	94.266	43.0953781	0.6902245
BNGSH504129	VF-F Sand	124.529	43.437275	0.9059563
BNGSH504134	VF-F Sand	119.653	47.006175	0.7569007
BNGSH504138	VF-F Sand	161.938	43.6686406	1.3884921
BNGSH504146	VF-F Sand	165.469	45.6348906	1.3090492
BNGSH504150	VF-F Sand	164.33	46.4053125	1.2358955
BNGSH504155	M-C Sand	127.733	42.2099281	0.7968326
BNGSH504159	M-C Sand	183.951	47.8808781	1.0359725
BNGSH504164	VF-F Sand	167.656	45.3134844	1.5720034
BNGSH504169	VF-F Sand	133.202	43.7807875	1.1336413
BNGSH504173	M-C Sand	82.155	47.5324844	0.9947989
BNGSH504176	M-C Sand	83.882	52.3738406	0.644323
BNGSH504602	VF- F Sand	187.49	53.100175	1.9039
BNGSH504603	Mud	112.18	40.037481	0.772704
BNGSH504606	VF- F Sand	156.96	55.837556	1.687376
BNGSH504611	VF- F Sand	151.66	52.923006	1.717462
BNGSH504615	VF- F Sand	178.4	53.050188	1.455365
BNGSH504620	VF- F Sand	146.26	48.365466	1.453681
BNGSH504626	Mud	60.4	42.883222	0.327479
BNGSH504629	VF- F Sand	82.61	48.722713	0.943783
BNGSH504634	VF- F Sand	113.77	51.744888	1.026238
BNGSH504638	M-C Sand	168.2	46.385003	1.66528
BNGSH504643	VF- F Sand	185.38	52.030322	1.657238
BNGSH504647	VF- F Sand	177.39	50.5356	1.823116
BNGSH504652	M-C Sand	177.58	50.854778	1.490467
BNGSH504656	M-C Sand	179	44.180413	1.588053
BNGSH504661	Mud	71.83	35.507166	0.408177
BNGSH505102	VF-F Sand	164.28	45.059425	1.832422
BNGSH505106	VF-F Sand	168.48	49.355281	1.849979
BNGSH505111	VF-F Sand	169.94	45.026734	1.437016
BNGSH505115	VF-F Sand	162	46.992669	1.849472
BNGSH505121	M-C Sand	159.99	43.287434	1.25402
BNGSH505126	M-C Sand	172.15	48.102116	1.719646
BNGSH505130	M-C Sand	158.69	51.697241	1.515229
BNGSH505135	M-C Sand	155.59	48.787056	1.505081
BNGSH505140	M-C Sand	148.47	45.964284	1.493787
BNGSH505144	M-C Sand	156.34	40.738628	1.871364
BNGSH505147	M-C Sand	143.21	39.43055	1.838081
BNGSH505152	M-C Sand	168.42	40.675431	1.445614

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH505155.5	M-C Sand	166.34	45.168463	1.675976
BNGSH505156	Mud	60.44	40.393534	0.292188
BNGSH505158	VF-F Sand	50.79	40.035491	0.210967
BNGSH505161	VF-F Sand	115.61	45.412388	1.171264
BNGSH505162	VF-F Sand	87.46	36.3548	0.504415
BNGSH505163	VF-F Sand	116.21	44.225275	1.159572
BNGSH505167	VF-F Sand	139.65	47.783303	1.591089
BNGSH505171	VF-F Sand	179.83	41.7239	1.452311
BNGSH505174	Mud	112.23	42.756947	0.702974
BNGSH505175	VF-F Sand	170.87	43.665919	1.710543
BNGSH505177	Mud	120.01	39.167725	0.86434
BNGSH505178	VF-F Sand	161.98	45.799297	1.678935
BNGSH505602	VF-F Sand	152.245	45.6409344	1.5321894
BNGSH505606	Mud	109.386	36.1868813	1.0621523
BNGSH505611	Peat	129.085	35.4814344	1.3977537
BNGSH505612	M-C Sand	178.266	50.2211844	1.4758086
BNGSH505617	M-C Sand	172.818	45.2810406	1.5897652
BNGSH505621	M-C Sand	175.356	46.5117563	1.8045568
BNGSH505626	M-C Sand	176.009	46.4408656	1.6235085
BNGSH505630	M-C Sand	149.578	47.998925	1.2891273
BNGSH505632	Mud	72.309	34.9448781	0.5635944
BNGSH505635	Mud	59.116	34.9583156	0.2005153
BNGSH505640	M-C Sand	27.747	44.7664406	0.3167352
BNGSH505644	M-C Sand	41.122	47.27975	0.3793667
BNGSH505647	Mud	62.337	43.2056281	0.3578024
BNGSH505649	M-C Sand	125.723	45.7597688	0.9971179
BNGSH505653	M-C Sand	126.885	48.5926563	1.0585444
BNGSH505659	M-C Sand	128.925	39.8328125	0.7873695
BNGSH506102	VF-F Sand	154.887	46.5176125	1.3189274
BNGSH506106	VF-F Sand	130.737	50.8860281	0.7394827
BNGSH506111	VF-F Sand	145.265	47.8808156	0.9310121
BNGSH506115	VF-F Sand	138.902	51.5388	0.9056463
BNGSH506120	M-C Sand	93.495	50.2238469	0.6947089
BNGSH506124	M-C Sand	133.408	47.5742375	1.2564522
BNGSH506129	M-C Sand	131.836	49.1355781	0.5741126
BNGSH506134	VF-F Sand	130.685	41.9282719	0.5737274
BNGSH506135	Mud	82.498	44.0174813	0.2653341
BNGSH506137	Mud	81.528	41.1261688	0.2174587
BNGSH506138	Mud	60.568	42.1776688	0.2762465
BNGSH506140	Mud	151.848	41.0220938	1.3375408
BNGSH506141	Mud	144.93	38.7680938	1.3866798
BNGSH506143	VF-F Sand	169.974	43.7824406	1.4381138
BNGSH506147	VF-F Sand	169.383	45.3905688	1.2364951
BNGSH506152	VF-F Sand	162.802	44.6418063	1.5763104
BNGSH506156	M-C Sand	139.815	49.2322406	0.7943375
BNGSH506161	VF-F Sand	158.735	43.9155938	1.4334779
BNGSH506166	M-C Sand	157.968	42.5914844	1.2780096
BNGSH506602	Mud	138.05	41.462263	1.16805
BNGSH506603	VF-F Sand	161.93	51.133097	1.678516
BNGSH506605	Mud	63.63	46.848969	0.194681
BNGSH506609	VF-F Sand	151.28	47.985872	1.440881
BNGSH506614	Mud	210.08	38.449372	1.44273
BNGSH506617	VF-F Sand	60.49	49.631491	0.805579
BNGSH506621	Mud	78.72	41.774281	0.237657
BNGSH506623	M-C Sand	48.31	29.291134	0.402455
BNGSH506626	Mud	75.7	41.018716	0.178471
BNGSH506627	M-C Sand	24.69	39.319059	0.383289
BNGSH506634	Mud	66.39	45.535806	0.234066
BNGSH507102	Mud	69.01	45.701109	0.039253
BNGSH507103	Mud	93.39	41.424725	0.066766
BNGSH507108	Mud	129.4	31.346609	0.112013
BNGSH507109	M-C Sand	29.97	54.032581	0.052679
BNGSH507111	Mud	90.95	38.717875	0.05373
BNGSH507114	M-C Sand	18.25	53.507281	0.066779
BNGSH507115	Mud	80.75	44.956706	0.035797

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH507117	M-C Sand	13.1	52.589888	0.030519
BNGSH507118	Mud	61.57	44.848575	0.09238
BNGSH507123	Mud	69.15	44.284038	0.231204
BNGSH507127	Mud	85.96	45.127353	0.420205
BNGSH507132	Mud	96.4	40.253678	0.399356
BNGSH507137	VF-F Sand	21.79	54.277275	0.056394
BNGSH507140	Mud	81.12	38.567528	0.187521
BNGSH507141		20.59	52.357153	0.071119
BNGSH507602	VF-F Sand	31.61	48.979794	0.045341
BNGSH507605	Mud	38.36	44.229956	∓ LOD
BNGSH507608	Mud	44.66	46.708069	∓ LOD
BNGSH507609	Mud	39.69	42.642303	∓ LOD
BNGSH507615	Mud	54.62	45.210463	0.145249
BNGSH507618	Mud	57.86	45.62515	0.118223
BNGSH507621	Mud	104.41	40.385731	0.211607
BNGSH507627	Mud	70.48	44.802725	0.084968
BNGSH700502	VF-F Sand	151.24	46.014563	1.531169
BNGSH700505	VF-F Sand	147.91	44.128353	1.355622
BNGSH700509	VF-F Sand	115.16	38.437447	1.330253
BNGSH700514	Mud	112.86	38.769391	1.321453
BNGSH700518	VF-F Sand	140.14	50.107394	1.257113
BNGSH700523	M-C Sand	142.05	48.928541	1.411556
BNGSH700527	VF-F Sand	142.67	44.654875	1.893014
BNGSH700530	Mud	104.17	37.591659	1.107742
BNGSH700532	Mud	72.11	51.567556	0.433806
BNGSH700534	Mud	117.72	38.274313	1.426793
BNGSH700535	Mud	83.43	44.038044	0.925074
BNGSH700537	Mud	103.42	34.177784	1.20767
BNGSH700538	Mud	82.69	54.608475	0.370759
BNGSH700541	Mud	101.53	36.738922	1.238188
BNGSH700542		69.89	53.230963	0.565689
BNGSH700543	Mud	112.04	41.017756	1.321209
BNGSH700544	Mud	64.31	45.253372	0.504811
BNGSH700546	VF-F Sand	76.69	40.350303	0.229278
BNGSH700549	M-C Sand	81.15	37.354166	0.289841
BNGSH700552	M-C Sand	55.74	41.220206	0.677869
BNGSH700556	VF-F Sand	58.67	37.357747	0.258445
BNGSH700559	VF-F Sand	59.73	26.818659	0.396494
BNGSH700561	M-C Sand	85.93	33.203047	0.860404
BNGSH700563		85.1	46.104416	0.923439
BNGSH701002	Mud	120.6	40.820663	1.322993
BNGSH701003	VF-F Sand	154.95	46.231484	1.574544
BNGSH701008	VF-F Sand	165.96	48.403203	1.57159
BNGSH701012	VF-F Sand	145.97	48.388072	1.516136
BNGSH701017	VF-F Sand	150.72	48.650413	1.845167
BNGSH701021	VF-F Sand	143.02	48.575256	1.470965
BNGSH701026	VF-F Sand	160.26	46.553603	1.496959
BNGSH701029	Mud	128.42	41.365688	1.324535
BNGSH701034	VF-F Sand	102.25	40.620088	0.984659
BNGSH701038	Mud	123.74	38.930913	1.209435
BNGSH701043	Mud	123.3	40.82395	1.207121
BNGSH701047	M-C Sand	74.03	50.711575	0.728091
BNGSH701050	Mud	103.01	39.241694	0.761743
BNGSH701053	Mud	115.76	38.787625	0.732977
BNGSH701502	Mud	129.12	43.013409	1.384389
BNGSH701506	Mud	138.56	43.672544	1.516971
BNGSH701509	VF-F Sand	153.06	49.225425	1.707187
BNGSH701514	VF-F Sand	150.58	50.746066	1.82645
BNGSH701515	VF-F Sand	147.89	47.946534	1.775152
BNGSH701517	VF-F Sand	134.01	51.496453	1.622573
BNGSH701521	VF-F Sand	150.17	48.121053	1.382657
BNGSH701526	VF-F Sand	136.63	44.913372	1.496152
BNGSH701530	VF-F Sand	147.23	49.727681	1.724311
BNGSH701532	Mud	123.6	36.170169	1.200658
BNGSH701537	Mud	128.81	42.339794	1.447125

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<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH701541	Mud	134.07	41.381131	1.366838
BNGSH701546	Mud	132.76	42.677681	1.405727
BNGSH701550	Mud	75.57	42.119934	0.617969
BNGSH701552	Mud	68.35	33.172791	0.544867
BNGSH701553	M-C Sand	32.12	37.842925	0.208676
BNGSH701558	Mud	84.35	44.231513	0.411028
BNGSH701561	M-C Sand	55.88	40.24985	0.673927
BNGSH701566	M-C Sand	98.6	40.4775	0.946643
BNGSH701569	VF-F Sand	85.11	37.955159	0.769969
BNGSH702002	VF-F Sand	162.66	51.0529	1.50329
BNGSH702005	VF-F Sand	159.03	49.337388	1.537125
BNGSH702008	VF-F Sand	155.28	47.332453	1.907174
BNGSH702012	VF-F Sand	150.01	49.568528	1.469539
BNGSH702014	Mud	130.28	43.788731	1.389288
BNGSH702015	VF-F Sand	150.9	47.668041	1.797095
BNGSH702020	M-C Sand	151	47.641591	1.786517
BNGSH702024	M-C Sand	158.05	49.551288	1.880384
BNGSH702029	Mud	124.59	43.134616	1.201524
BNGSH702032	Mud	107.69	38.307972	1.041642
BNGSH702037	Mud	128	42.595178	1.244804
BNGSH702041	Mud	122.93	43.306306	1.103554
BNGSH702046	VF-F Sand	93.57	35.212259	0.834275
BNGSH702047	M-C Sand	67.21	50.074634	0.786019
BNGSH702052	M-C Sand	66.34	53.767819	0.46474
BNGSH702053	VF-F Sand	77.76	48.843494	0.511516
BNGSH702055	VF-F Sand	100.34	53.908631	0.73947
BNGSH702058	VF-F Sand	66.75	52.873344	0.615827
BNGSH702059	VF-F Sand	53.96	37.220563	0.254064
BNGSH702060	M-C Sand	47.81	43.436234	0.271488
BNGSH702061	M-C Sand	54.17	37.976253	0.357389
BNGSH702502	VF-F Sand	142.84	51.438916	1.424767
BNGSH702506	VF-F Sand	137.22	51.799884	1.117791
BNGSH702511	VF-F Sand	152.04	45.7405594	1.6347898
BNGSH702514	VF-F Sand	154.99	48.270147	1.688317
BNGSH702515	M-C Sand	164.25	45.855684	1.433203
BNGSH702520	M-C Sand	151.9	45.367384	1.529413
BNGSH702524	VF-F Sand	150.49	52.471063	1.511454
BNGSH702527	M-C Sand	115.88	40.671072	1.255803
BNGSH702529	Mud	111.429	36.1189344	1.4095594
BNGSH702534	Mud	87.047	32.4086938	0.8854886
BNGSH702538	Mud	112.701	36.4736594	1.2480193
BNGSH702543	VF-F Sand	108.175	49.5516563	0.9918058
BNGSH702544	VF-F Sand	65.922	49.8835344	0.5713821
BNGSH702549	M-C Sand	84.408	48.3013969	0.6696893
BNGSH702552	Mud	70.796	39.0423	0.156939
BNGSH702555	VF-F Sand	113.063	50.7060063	0.8392334
BNGSH702559	VF-F Sand	65.884	47.7842125	0.4328085
BNGSH702564	VF-F Sand	53.553	47.9478656	0.3543096
BNGSH702569	VF-F Sand	53.561	57.0533563	0.3388468
BNGSH702573	VF-F Sand	60.359	54.5291813	0.4119569
BNGSH702576	VF-F Sand	58.842	50.8629	0.5256027
BNGSH703002	VF-F Sand	156.194	42.7324313	1.5377493
BNGSH703006	VF-F Sand	154.55	39.0477031	1.3562633
BNGSH703011	VF-F Sand	157.096	45.7890219	1.556392
BNGSH703015	VF-F Sand	147.23	43.7162156	1.6664736
BNGSH703020	VF-F Sand	127.741	46.8063969	0.9645772
BNGSH703024	VF-F Sand	134.686	34.3395563	1.0457484
BNGSH703029	M-C Sand	123.899	43.9216031	0.7369368
BNGSH703034	VF-F Sand	155.74	47.36825	1.4217592
BNGSH703038	VF-F Sand	143.899	42.4718438	1.2811898
BNGSH703043	VF-F Sand	152.472	47.7474344	1.8090086
BNGSH703046	VF-F Sand	146.334	45.2014938	13.910823
BNGSH703502	Mud	111.961	33.6658125	1.1750009
BNGSH703503	VF-F Sand	149.15	39.951825	1.9132043
BNGSH703505	Mud	110.193	32.814	1.2414202

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<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH703509	VF-F Sand	153.034	39.8290531	1.2006183
BNGSH703514	VF-F Sand	145.457	41.1537563	1.6872922
BNGSH703518	VF-F Sand	150.566	42.9531094	1.7318467
BNGSH703523	VF-F Sand	134.691	37.5772188	1.6098868
BNGSH703527	M-C Sand	126.834	44.3922344	0.9201011
BNGSH703532	M-C Sand	123.826	41.6218625	0.7954963
BNGSH703537	M-C Sand	128.836	39.2972188	1.258709
BNGSH703538	VF-F Sand	104.951	42.4739844	0.8980694
BNGSH703540	M-C Sand	61.939	45.3881469	0.3170199
BNGSH703544	M-C Sand	56.133	40.6618313	0.2905303
BNGSH703546	Mud	73.943	29.9756625	0.4961417
BNGSH703549	VF-F Sand	46.52	44.9522469	0.3680714
BNGSH703553	VF-F Sand	53.877	46.8852063	0.2346766
BNGSH703556	Mud	61.19	36.4285938	0.1835141
BNGSH703558	VF-F Sand	43.217	47.2582906	0.1798418
BNGSH703563	VF-F Sand	47.034	45.5549656	0.4057879
BNGSH703564	Mud	69.147	34.4300906	0.222959
BNGSH703566	VF-F Sand	43.734	49.9069813	0.1334455
BNGSH703570	VF-F Sand	42.565	46.0332906	0.1518103
BNGSH703576	M-C Sand	51.043	47.5280594	0.179775
BNGSH704002	Mud	133.092	43.0441625	1.3130883
BNGSH704003	VF-F Sand	176.151	47.9871563	1.9188635
BNGSH704005	VF-F Sand	135.805	47.4981938	1.2303938
BNGSH704008	VF-F Sand	153.128	47.7933	1.3007343
BNGSH704012	VF-F Sand	160.744	48.6263	1.8430295
BNGSH704017	M-C Sand	119.803	52.2958094	0.8612584
BNGSH704021	VF-F Sand	145.779	46.0585688	1.5619366
BNGSH704026	VF-F Sand	121.482	36.9256063	1.2187017
BNGSH704030	VF-F Sand	137.303	47.5288156	1.4478554
BNGSH704034	Mud	142.899	42.6819219	1.6655047
BNGSH704035	VF-F Sand	135.625	45.38055	1.6875979
BNGSH704038	Mud	123.24	40.7778344	1.075978
BNGSH704040	M-C Sand	76.015	49.1155906	0.7832331
BNGSH704043	VF-F Sand	66.403	50.803475	0.476731
BNGSH704044	VF-F Sand	78.239	42.4783406	0.6110909
BNGSH704046	Mud	93.543	41.6775688	0.4913084
BNGSH704050	Mud	93.65	44.4551781	0.5246723
BNGSH704055	Mud	76.601	35.5374125	0.2475604
BNGSH704059	Mud	83.313	42.9341969	0.3534016
BNGSH704064	Mud	81.647	42.7800969	0.3927922
BNGSH704502	Mud	116.092	44.6306531	0.9744693
BNGSH704506	V F-F Sand	148.507	46.0086438	1.4261259
BNGSH704508	V F-F Sand	153.015	44.7885313	1.4835242
BNGSH704509	Mud	132.548	43.9911219	1.147336
BNGSH704511	V F-F Sand	129.202	36.2915625	1.4127587
BNGSH704515	V F-F Sand	159.016	43.8916625	1.6300731
BNGSH704517	V F-F Sand	144.708	46.7827031	1.1467696
BNGSH704521	M-C Sand	158.896	45.9724625	1.7337939
BNGSH704526	M-C Sand	146.402	44.7300406	1.3821528
BNGSH704530	M-C Sand	124.52	46.1278688	0.938569
BNGSH704532	V F-F Sand	145.514	42.65685	1.6676332
BNGSH704534	M-C Sand	56.482	49.4609219	0.525366
BNGSH704535	M-C Sand	92.347	43.7595031	0.8343371
BNGSH704537	V F-F Sand	75.201	48.4771875	0.9907113
BNGSH704543	Mud	95.479	42.522425	0.5448494
BNGSH704546	Mud	91.927	43.1898719	0.4618271
BNGSH704549	Mud	72.59	44.3489844	0.2021697
BNGSH704550	M-C Sand	51.98	56.5268375	0.3837225
BNGSH704552	Mud	85.04	45.6309094	0.3406457
BNGSH704555	V F-F Sand	60.392	47.9951375	0.3467946
BNGSH704556	Mud	80.839	44.8243625	0.4250668
BNGSH704558	Mud	76.142	43.9383313	0.4530157
BNGSH705002	Mud	104.09	41.4421	0.825557
BNGSH705005	VF-F Sand	154.86	47.441781	1.907437
BNGSH705008	Mud	94.56	35.66025	0.949084

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH705009	VF-F Sand	167.83	48.926234	1.664228
BNGSH705014	VF-F Sand	170.15	48.787641	1.583062
BNGSH705018	VF-F Sand	163.82	47.714497	1.707401
BNGSH705023	VF-F Sand	154.99	47.428634	1.653703
BNGSH705026	VF-F Sand	159.2	47.474131	1.485496
BNGSH705027	VF-F Sand	150.44	49.13575	1.411529
BNGSH705032	VF-F Sand	146.4	46.1884	1.543366
BNGSH705037	VF-F Sand	146.26	47.996541	1.45986
BNGSH705041	VF-F Sand	135.72	45.309597	1.116975
BNGSH705042	Mud	102.21	38.446503	1.123623
BNGSH705046	Mud	88.69	37.397259	0.745343
BNGSH705050	Mud	78.07	36.279797	0.403943
BNGSH705055	Mud	67.21	32.350397	0.158996
BNGSH705059	Mud	34.66	34.693425	0.225734
BNGSH705702	VF-F Sand	140.94	42.82695	1.558784
BNGSH705706	Mud	125.48	41.664531	1.15733
BNGSH705711	Mud	114.74	42.536797	1.116368
BNGSH705715	Mud	134.89	41.332238	1.294854
BNGSH705717	Mud	121.91	40.988334	1.179478
BNGSH705718	VF-F Sand	147.77	46.915481	1.109353
BNGSH705723	VF-F Sand	151.08	45.339694	1.128853
BNGSH705726	Mud	138.33	40.373509	1.51498
BNGSH705730	VF-F Sand	156.38	42.018144	0.944787
BNGSH705734	VF-F Sand	137.5	41.635584	1.652409
BNGSH705735	M-C Sand	50.39	50.691922	0.249864
BNGSH705739	M-C Sand	79.22	48.063416	0.527153
BNGSH705740	Mud	105.08	43.382997	0.790299
BNGSH705744	Mud	92.24	40.825094	0.530476
BNGSH705749	Mud	85.21	38.05905	0.176255
BNGSH705753	Mud	68.91	43.270566	0.268857
BNGSH705756	Mud	70.03	44.349197	0.322867
BNGSH705758	VF-F Sand	58.82	52.754475	0.234869
BNGSH705763	VF-F Sand	41.14	51.991841	0.200102
BNGSH705767	Mud	78.72	41.816281	0.346399
BNGSH705769	M-C Sand	49.75	50.477453	0.214663
BNGSH705770	Mud	76.77	44.748088	0.3453
BNGSH706302	Mud	108.64	44.982988	0.780115
BNGSH706303	Mud	93.64	31.752756	0.64974
BNGSH706308	Mud	128.72	46.582969	1.734384
BNGSH706312	VF-F Sand	160.55	49.916328	1.84617
BNGSH706314	VF-F Sand	156.48	47.601638	1.668242
BNGSH706317	VF-F Sand	159.28	49.704294	1.468713
BNGSH706318	M-C Sand	149.43	50.089044	1.252285
BNGSH706320	Mud	146.09	44.084963	1.793912
BNGSH706321	M-C Sand	150.72	47.724909	1.714914
BNGSH706326	VF-F Sand	158.03	42.685188	1.484375
BNGSH706330	VF-F Sand	147.07	44.761022	1.400781
BNGSH706335	VF-F Sand	165.76	46.230275	1.309887
BNGSH706337	VF-F Sand	70.36	51.973794	0.449914
BNGSH706337.5	VF-F Sand	90.24	32.975653	0.950877
BNGSH706338	VF-F Sand	84.98	49.211628	0.9004
BNGSH706340	Mud	124.34	42.121138	1.364112
BNGSH706341	VF-F Sand	112.78	47.873813	1.097776
BNGSH706343	VF-F Sand	97.53	41.265394	0.862308
BNGSH706346	Mud	102.29	40.7887	1.810608
BNGSH706802	Mud	102.293	34.0481844	1.1202067
BNGSH706805	VF-F Sand	158.081	48.6859625	1.7703516
BNGSH706808	Mud	107.404	34.5846	1.1494301
BNGSH706812	Mud	99.506	32.1083031	1.0811595
BNGSH706814	M-C Sand	142.982	46.2584125	1.3748172
BNGSH706815	Mud	118.986	36.7109	1.3554864
BNGSH706817	M-C Sand	147.545	49.0493438	1.3391415
BNGSH706821	VF-F Sand	151.536	49.4019	1.5999164
BNGSH706826	VF-F Sand	160.542	46.3833063	1.5357819
BNGSH706830	VF-F Sand	146.301	47.7220063	1.3827149

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH706832	Mud	122.812	36.7324219	1.6472672
BNGSH706837	Mud	106.859	38.9487531	0.8704612
BNGSH706843	Mud	84.979	36.4426969	0.4379517
BNGSH706847	Mud	84.95	37.9656906	0.1666772
BNGSH706849	Mud	83.657	34.6988031	0.2117149
BNGSH706852	Mud	81.679	39.0731375	0.2221819
BNGSH706856	Mud	72.377	33.7551594	0.4018269
BNGSH706859	Mud	76.332	41.0314094	0.3571337
BNGSH706861	VF-F Sand	42.819	55.0332688	0.3188571
BNGSH706866	M-C Sand	41.732	54.2789375	0.1707536
BNGSH706869	M-C Sand	43.625	45.4531531	0.271177
BNGSH706870	M-C Sand	60.2	42.121878	0.09423
BNGSH706871	M-C Sand	44.49	30.204369	0.219216
BNGSH706872	M-C Sand	45.93	43.478053	0.313218
BNGSH707302	Mud	109.538	39.8484438	1.1244245
BNGSH707306	Mud	111.813	39.5203781	1.1958734
BNGSH707311	Mud	98.868	38.1102281	1.0287024
BNGSH707312	VF-F Sand	179.591	49.6531719	1.8955738
BNGSH707317	VF-F Sand	147.013	44.5968063	1.5933129
BNGSH707319	Mud	132.731	42.8827063	1.6410271
BNGSH707320	VF-F Sand	160.097	48.5810313	1.8339605
BNGSH707324	VF-F Sand	134.844	40.6623719	1.3206945
BNGSH707329	VF-F Sand	146.576	44.3779063	1.2271634
BNGSH707334	VF-F Sand	138.551	44.8153938	1.6102061
BNGSH707338	Mud	99.573	40.2407	0.8706114
BNGSH707343	Mud	102.385	39.7725938	0.7313717
BNGSH707347	VF-F Sand	42.147	55.9548813	0.1566974
BNGSH707349.5	M-C Sand	34.21	58.976094	0.2132
BNGSH707350	Mud	82.815	35.6330406	0.1248103
BNGSH707355	Mud	85.056	41.2485	0.152413
BNGSH707358	Mud	79.314	41.5092156	0.1802731
BNGSH708002	Mud	108.53	39.196663	0.849864
BNGSH708006	Mud	113.04	34.482934	1.46376
BNGSH708011	VF-F Sand	158.34	47.904044	1.609211
BNGSH708015	VF-F Sand	119.64	37.983653	1.160569
BNGSH708017	Mud	111.43	36.014025	1.230107
BNGSH708018	VF-F Sand	149.55	49.044703	1.281342
BNGSH708021	VF-F Sand	164.51	48.84655	1.793807
BNGSH708026	M-C Sand	187.04	48.822716	1.77202
BNGSH708030	VF-F Sand	131.23	43.304297	1.327393
BNGSH708034	Mud	113.12	46.169478	0.936892
BNGSH708038	Mud	110.9	43.282788	0.882623
BNGSH708043	Mud	82.9	35.7011	0.375389
BNGSH708047	Mud	74.68	40.604853	0.281613
BNGSH708052	Mud	73.37	42.235147	0.292639
BNGSH708056	Mud	79	40.434009	0.309733
BNGSH708059	VF-F Sand	41.04	46.670319	0.212953
BNGSH708064	M-C Sand	33.89	47.825363	0.199005
BNGSH708067	M-C Sand	53.41	42.202919	0.237927
BNGSH708070	M-C Sand	31.61	45.081228	0.201374
BNGSH708071	M-C Sand	40.18	50.126713	0.250866
BNGSH708502	Mud	111.82	34.892131	1.12303
BNGSH708506	Mud	128.65	44.101834	1.193571
BNGSH708511	Mud	105.93	36.9469	1.057292
BNGSH708515	Mud	99.33	34.134444	1.061883
BNGSH708517	VF-F Sand	154.9	41.941722	1.404575
BNGSH708518	Mud	124.02	37.469472	1.268649
BNGSH708523	Mud	117.54	38.993694	1.26107
BNGSH708526	VF-F Sand	152.21	44.928019	1.538592
BNGSH708527	Mud	155.99	45.096034	1.680623
BNGSH708529	VF-F Sand	166.54	45.858813	1.844825
BNGSH708530	Mud	136.21	38.985775	1.411831
BNGSH708532	VF-F Sand	161.26	46.6608	1.444994
BNGSH708535	VF-F Sand	147.91	47.067959	1.850471
BNGSH708538	VF-F Sand	127.85	43.868281	1.443025

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH708540	Mud	112.34	45.428413	0.894266
BNGSH708544	Mud	110.11	42.702259	0.897215
BNGSH708549	Mud	78.84	31.514028	0.532182
BNGSH708553	Mud	85.19	41.747684	0.143504
BNGSH708555	Mud	76.63	45.202588	0.319032
BNGSH708556	Mud	75.92	44.367128	0.208352
BNGSH709002	Mud	99.52	39.515822	7.95758
BNGSH709006	Mud	137.34	46.507569	14.00111
BNGSH709009	Mud	121.07	38.708138	11.74563
BNGSH709011	VF-F Sand	149.28	47.362444	18.02158
BNGSH709014	VF-F Sand	156.37	36.537228	14.19368
BNGSH709018	VF-F Sand	172.04	45.831606	17.24649
BNGSH709023	VF-F Sand	177.93	46.902928	16.45488
BNGSH709027	VF-F Sand	144.84	48.101544	18.8723
BNGSH709032	VF-F Sand	153.7	46.886591	15.29613
BNGSH709035	Mud	123.45	44.418356	10.38977
BNGSH709040	Mud	105.39	42.839838	7.76433
BNGSH709044	Mud	110.11	42.007559	7.53
BNGSH709047	Mud	98.96	39.149688	6.44896
BNGSH709052	Mud	78.82	40.599122	2.18706
BNGSH709055	Mud	82.9	32.7723	1.96137
BNGSH709502	Mud	105.25	41.007259	0.792278
BNGSH709506	Mud	120.57	39.909441	1.259044
BNGSH709511	VF-F Sand	160	46.497959	1.524951
BNGSH709515	VF-F Sand	157.35	47.491053	1.900744
BNGSH709520	Mud	135.78	41.502769	1.545354
BNGSH709521	Mud	155.01	46.103216	1.886279
BNGSH709526	Mud	146.78	47.996019	1.741511
BNGSH709527	Mud	114.58	42.212844	1.233853
BNGSH709532	Mud	120.49	46.018994	0.907666
BNGSH709537	Mud	108.93	41.258138	0.737227
BNGSH709541	Mud	99.05	39.948066	0.599711
BNGSH709546	Mud	78.52	42.070194	0.191525
BNGSH709550	Mud	70.37	42.462778	0.280161
BNGSH709555	Mud	82.96	42.828747	0.108462
BNGSH7095E02	Mud	102.93	41.380316	8.45503
BNGSH7095E06	Mud	115.92	39.129497	11.14076
BNGSH7095E11	Mud	123.38	42.925603	13.6081
BNGSH7095E15	VF-F Sand	150.87	47.282609	14.63045
BNGSH7095E17	VF-F Sand	150.09	44.692809	16.78417
BNGSH7095E18	VF-F Sand	158.6	47.8865	16.81312
BNGSH7095E20	VF-F Sand	145.57	46.99585	17.24698
BNGSH7095E21	VF-F Sand	152.58	48.525844	15.93939
BNGSH710002	Mud	109.38	43.772188	7.02309
BNGSH710006	Mud	109.57	41.391191	10.56741
BNGSH710011	Mud	126.17	42.438059	12.38181
BNGSH710015	Mud	128.17	45.247325	12.16479
BNGSH710018	VF-F Sand	164.21	46.675616	15.87475
BNGSH710023	VF-F Sand	152.4	47.532291	17.04845
BNGSH710027	Mud	136.29	45.734684	14.86741
BNGSH710032	VF-F Sand	135.93	48.298825	17.9079
BNGSH710035	Mud	119.42	43.724659	8.99681
BNGSH710040	Mud	109.57	43.083575	7.97278
BNGSH710044	Mud	105.53	42.297056	6.58319
BNGSH710049	Mud	79.77	39.828019	1.47705
BNGSH710053	Mud	74.95	41.711122	2.53728
BNGSH710058	VF-F Sand	68.29	48.807119	5.47444
BNGSH710063	VF-F Sand	76.12	50.837688	6.39398
BNGSH710066	VF-F Sand	31.27	53.113375	2.93399
BNGSH710070	VF-F Sand	33.53	51.831813	3.52303
BNGSH710502	Mud	78.62	36.301853	0.512176
BNGSH710506	Mud	83.31	38.236969	0.581431
BNGSH710511	Mud	83.01	39.32735	0.575996
BNGSH710515	Mud	91.34	41.500378	0.643365
BNGSH710520	Mud	86.32	36.116944	0.739815

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH710524	Mud	127.68	41.9868	1.631045
BNGSH710529	Mud	95.35	40.331141	0.78425
BNGSH710534	Mud	107.35	41.734834	0.938261
BNGSH710538	Mud	94.49	36.783747	0.751088
BNGSH710543	Mud	86.97	32.180281	0.69842
BNGSH710547	Mud	81.67	44.600319	0.135307
BNGSH710552	Mud	73.12	37.898706	0.275452
BNGSH710556	Mud	73.26	28.50095	0.37452
BNGSH710561	M-C Sand	64.75	38.396725	0.220354
BNGSH710564	M-C Sand	44.73	50.078141	0.283652
BNGSH711002	Mud	96.21	34.543472	0.876535
BNGSH711005	Mud	112.83	41.413566	0.98538
BNGSH711009	Mud	110.62	40.959991	1.099714
BNGSH711011	VF-F Sand	144.3	43.564813	1.524869
BNGSH711012	VF-F Sand	151.74	48.014797	1.716049
BNGSH711017	VF-F Sand	133.98	46.971375	1.468951
BNGSH711021	Mud	143.68	46.433444	1.634883
BNGSH711026	VF-F Sand	148.97	46.081106	1.833868
BNGSH711027	Mud	130.55	47.037063	1.539634
BNGSH711032	Mud	133.23	45.716188	1.425726
BNGSH711037	Mud	108.56	42.502744	1.005038
BNGSH711040	Mud	94.93	33.833197	0.81329
BNGSH711041	Mud	115.37	41.872322	0.86147
BNGSH711044	Mud	121.6	45.835672	0.974653
BNGSH711046	Mud	113.14	44.195516	0.925152
BNGSH711502	Mud	87.01	39.291969	0.598994
BNGSH711503	Mud	107.62	43.068869	0.791314
BNGSH711505	Mud	99.17	42.6516	0.702017
BNGSH711508	Mud	82.42	34.083497	0.794515
BNGSH711512	Mud	96.11	36.755472	0.837049
BNGSH711517	Mud	112.33	42.128453	1.043193
BNGSH711520	VF-F Sand	134.37	47.595091	1.432715
BNGSH711521	VF-F Sand	123.07	42.266866	1.371092
BNGSH711524	Mud	121.72	41.304322	1.495828
BNGSH711526	VF-F Sand	141.79	49.352575	1.474257
BNGSH711527	VF-F Sand	124.95	41.409153	1.219351
BNGSH711529	Mud	119.78	39.582716	1.441219
BNGSH711534	Mud	124.66	43.227981	1.374757
BNGSH711538	Mud	128.88	45.427713	1.410603
BNGSH711543	Mud	134.85	46.562838	1.412994
BNGSH711546	Mud	137.48	42.704103	1.633461
BNGSH711549	Mud	113.59	42.478866	0.87933
BNGSH712002	Mud	124.62	44.65695	0.997743
BNGSH712006	Mud	133.39	45.466784	1.292115
BNGSH712011	Mud	139.34	41.181475	1.390198
BNGSH712014	VF-F Sand	131.23	42.839741	1.185827
BNGSH712015	Mud	112.25	35.381263	1.087929
BNGSH712017	VF-F Sand	139.77	48.957878	1.382263
BNGSH712018	Mud	131.96	44.248194	1.361045
BNGSH712021	VF-F Sand	143.84	46.380316	1.439137
BNGSH712026	Mud	137.29	44.759347	1.253573
BNGSH712027	VF-F Sand	134.15	43.017841	1.506479
BNGSH712032	VF-F Sand	141.6	44.550363	1.791549
BNGSH712037	VF-F Sand	149.79	46.568613	1.538372
BNGSH712041	VF-F Sand	125.81	38.989428	1.473053
BNGSH712043	VF-F Sand	147.51	46.406969	1.845193
BNGSH712047	Mud	113.92	41.711316	1.044459
BNGSH712052	Mud	72.55	30.706506	0.629217
BNGSH712053	Mud	83.84	33.184638	0.44928
BNGSH712055	Mud	69.29	27.344247	0.220592
BNGSH712058	Mud	84.8	37.398863	0.147642
BNGSH712059	Mud	86.7	31.211675	0.114736
BNGSH712061	Mud	78	35.280491	0.142192
BNGSH712302	Mud	83.825	28.6584313	1.0229738
BNGSH712306	Mud	17.289	14.0793969	0.1362961

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH712311	Mud	122.808	41.3267781	1.366234
BNGSH712314	VF-F Sand	134.782	41.5408031	1.5250898
BNGSH712318	VF-F Sand	120.649	39.1107281	1.4434101
BNGSH712323	VF-F Sand	133.243	44.8554844	1.2918115
BNGSH712327	VF-F Sand	140.366	44.8726125	1.8325289
BNGSH712332	VF-F Sand	146.719	47.4084219	1.8683633
BNGSH712337	Mud	120.251	36.6541156	1.556965
BNGSH712338	VF-F Sand	124.219	41.6924625	1.672351
BNGSH712343	Mud	115.901	37.8162844	1.4886376
BNGSH712347	Mud	88.25	33.1225844	0.7552971
BNGSH712352	Mud	69.582	28.7780375	0.2779675
BNGSH712602	Mud	108.69	37.693953	1.041647
BNGSH712606	Mud	31.6	11.555377	0.716638
BNGSH712608	Mud	118.21	42.208775	1.10043
BNGSH712611	Mud	121.13	42.451647	1.118
BNGSH712612	Mud	99.88	35.846631	1.026059
BNGSH712614	VF-F Sand	133.46	43.575609	1.475537
BNGSH712618	VF-F Sand	144.94	48.224181	1.792605
BNGSH712623	VF-F Sand	132.4	43.271609	1.27601
BNGSH712627	VF-F Sand	147.74	45.815256	1.772351
BNGSH712632	Mud	134.98	43.273822	1.600504
BNGSH712635	VF-F Sand	126.85	42.080503	1.523482
BNGSH712640	VF-F Sand	128.75	41.979278	1.478747
BNGSH712643	Mud	109.43	36.243325	1.355907
BNGSH712644	Mud	108.9	38.636844	0.993606
BNGSH712649	Mud	84.44	31.078819	0.396457
BNGSH712652	Mud	75.35	32.825188	0.292066
BNGSH712902	Mud	119.52	40.245225	1.052133
BNGSH712903	Mud	105.75	40.25205	0.841442
BNGSH712905	Mud	61.01	19.824561	1.836636
BNGSH712906	Mud	130.63	44.301225	1.4245
BNGSH712911	Mud	130.51	44.449997	1.326696
BNGSH712912	Mud	121.82	41.522622	1.392179
BNGSH712914	VF-F Sand	135.98	44.835459	1.422335
BNGSH712915	VF-F Sand	140.19	45.082409	1.237634
BNGSH712920	VF-F Sand	150.64	49.3114	1.437109
BNGSH712921	VF-F Sand	141.48	43.231028	1.331863
BNGSH712923	VF-F Sand	135.12	44.354394	1.23667
BNGSH713202	VF-F Sand	121.4	44.213213	1.039748
BNGSH713203	Mud	90.09	31.540184	0.928833
BNGSH713205	M-C Sand	12.07	54.402094	0.024142
BNGSH713208	M-C Sand	13.13	54.420919	0.203369
BNGSH713212	VF-F Sand	138.02	51.654263	1.699911
BNGSH713217	VF-F Sand	140.97	49.048947	1.703404
BNGSH713221	VF-F Sand	132.25	51.010716	1.610368
BNGSH713226	VF-F Sand	129.07	42.879191	1.687458
BNGSH713230	VF-F Sand	135.8	48.829809	1.55238
BNGSH713232	Mud	115.05	36.451925	1.524064
BNGSH713237	Mud	109.17	36.425494	1.622928
BNGSH800102	Mud	69.07	52.288591	0.198919
BNGSH800106	VF-F Sand	67.29	45.426584	
BNGSH800108	M-C Sand	37.86	47.525716	0.062262
BNGSH800111	M-C Sand	11.75	55.489925	0.320464
BNGSH800112	M-C Sand	58.9	47.852425	0.556334
BNGSH800117	M-C Sand	57.18	46.684888	0.921186
BNGSH800120	M-C Sand	58.87	46.928122	0.373914
BNGSH800124	M-C Sand	79.6	44.183047	1.636006
BNGSH800129	Mud	83.81	49.685278	1.471516
BNGSH800132	M-C Sand	62.95	45.086991	0.283391
BNGSH800502	Mud	145.45	41.343819	1.325053
BNGSH800505	M-C Sand	142.04	38.480706	0.668212
BNGSH800506	Mud	108.19	39.710072	0.983365
BNGSH800512	M-C Sand	186.3	38.807753	1.240372
BNGSH800517	M-C Sand	192.91	38.805066	0.945007
BNGSH800520	Mud	161.56	36.908653	1.716627

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH800524	VF-F Sand	144.11	39.797378	1.256804
BNGSH800527	M-C Sand	111.93	46.378653	0.601629
BNGSH800529	Mud	128.52	43.184206	1.591977
BNGSH800534	Mud	120.91	41.100316	2.180867
BNGSH800538	Mud	144.36	12.62971	9.339785
BNGSH800543	Mud	115.38	41.263425	1.715067
BNGSH800547	M-C Sand	130.7	37.266206	0.928496
BNGSH800902	VF-F Sand	151.6	38.856897	1.373407
BNGSH800905	Mud	71.62	26.499884	0.610337
BNGSH800909	Mud	93.18	33.8022	0.661843
BNGSH800914	Mud	133.18	43.736403	1.444063
BNGSH800917	VF-F Sand	135.75	47.421269	1.139825
BNGSH800921	Mud	131.44	43.251913	1.563646
BNGSH800926	Mud	132.2	43.030075	1.555011
BNGSH800930	Mud	111.89	39.198166	1.190418
BNGSH800935	Mud	95.58	32.135044	0.269682
BNGSH800940	VF-F Sand	152.91	42.837941	1.428492
BNGSH800944	Mud	82.98	38.495609	0.418294
BNGSH800949	Mud	79.94	38.755084	0.25108
BNGSH800952	M-C Sand	109.02	39.01465	0.979478
BNGSH800953	Mud	124.85	38.483278	1.077224
BNGSH800955	M-C Sand	108.62	39.298053	1.392755
BNGSH801302	Mud	105.56	44.116972	0.806598
BNGSH801311	Mud	132.21	44.795675	1.330189
BNGSH801315	VF-F Sand	150.77	51.023794	1.794588
BNGSH801317	VF-F Sand	144.49	46.345338	1.783824
BNGSH801318	VF-F Sand	150.73	50.84135	1.825885
BNGSH801321	Mud	136.11	46.042584	1.60214
BNGSH801326	Mud	127.19	44.636756	1.346355
BNGSH801330	Mud	128.01	46.038506	1.808599
BNGSH801335	Mud	98.12	38.437959	0.277026
BNGSH801340	Mud	82.45	44.913997	0.14193
BNGSH801344	Mud	80.69	45.622191	0.128298
BNGSH801347	Mud	43.12	51.021269	0.071309
BNGSH801349	M-C Sand	20.47	60.739113	0.104232
BNGSH801352	Mud	35.11	44.9524	0.025791
BNGSH801356	Mud	57.28	36.316506	0.112241
BNGSH801361	M-C Sand	107.22	46.901884	0.440181
BNGSH801366	Mud	88.4	51.263313	0.311038
BNGSH801370	Mud	84.6	44.708238	0.243694
BNGSH801702	Mud	83.45	42.5976	0.355841
BNGSH801703	Mud	84.07	42.372613	0.382233
BNGSH801708	Mud	91.94	31.317259	1.094764
BNGSH801712	Mud	100	34.145797	1.256161
BNGSH801717	VF-F Sand	123.09	43.821256	1.543902
BNGSH801720	VF-F Sand	115.61	39.266831	1.439929
BNGSH801723	VF-F Sand	132.06	46.473394	1.658587
BNGSH801724	VF-F Sand	125.36	45.934281	1.575836
BNGSH801729	Mud	128.87	42.1481	1.5063
BNGSH801734	Mud	114.72	42.684678	1.189959
BNGSH801738	Mud	79.46	39.076159	0.236837
BNGSH801743	Mud	65.05	38.938409	0.140705
BNGSH801747	Mud	59.5	31.681175	0.133461
BNGSH801752	Mud	27.38	28.561397	0.06148
BNGSH801755	Mud	43.17	42.327344	0.084241
BNGSH801758	Mud	78	32.226647	0.365228
BNGSH801759	M-C Sand	141.06	49.146006	1.190016
BNGSH801761	Mud	81.85	34.883113	0.503723
BNGSH801764	M-C Sand	126.8	36.88405	0.757927
BNGSH801769	Mud	80.43	38.340259	0.311091
BNGSH802102	Mud	85.78	48.523003	0.324823
BNGSH802103	Mud	84.83	44.432775	0.100738
BNGSH802106	VF-F Sand	126.92	42.022488	1.502191
BNGSH802111	VF-F Sand	130.81	45.521256	1.140313
BNGSH802114	VF-F Sand	134.37	41.775725	1.50483

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH802120	VF-F Sand	132.32	41.9122	1.677999
BNGSH802124	Mud	136.46	42.63355	1.689345
BNGSH802129	Mud	126.63	42.575794	1.783312
BNGSH802134	Mud	115.93	46.6349	1.244094
BNGSH802138	Mud	85.58	50.020819	0.350748
BNGSH802141	Mud	54.11	47.682797	0.737894
BNGSH802143	Mud	81.45	49.947878	0.279436
BNGSH802147	Mud	81.11	49.509013	0.21773
BNGSH802152	Mud	65.13	45.578594	0.266743
BNGSH802155	M-C Sand	30.88	58.832625	0.353523
BNGSH802156	Mud	115.23	47.416969	0.716485
BNGSH802161	VF-F Sand	111.93	48.384066	1.174396
BNGSH802166	VF-F Sand	122.33	48.141828	0.867751
BNGSH802170	VF-F Sand	101.65	41.591634	0.921652
BNGSH802173	Mud	87.65	43.947369	1.297281
BNGSH802402	Mud	93.88	52.497706	0.248803
BNGSH802406	Mud	124.61	48.926541	1.308897
BNGSH802411	Mud	130	41.857756	2.055012
BNGSH802415	VF-F Sand	147.67	43.340241	1.465998
BNGSH802420	VF-F Sand	136.81	41.924875	1.743157
BNGSH802421	VF-F Sand	84.07	42.682194	1.723755
BNGSH802426	Mud	120.07	48.528578	1.648379
BNGSH802430	Mud	116.03	47.584394	1.576607
BNGSH802435	Mud	95.68	33.968034	3.11069
BNGSH802440	Mud	91.1	48.253881	0.422877
BNGSH802444	Mud	98.97	42.552053	1.346221
BNGSH802449	Mud	76.59	50.066994	0.911597
BNGSH802453	Mud	85.8	48.348881	1.948073
BNGSH802902	Mud	87.01	49.264738	0.229749
BNGSH802906	Mud	122.98	46.046753	1.260015
BNGSH802911	Mud	149.63	41.386197	2.077513
BNGSH802915	VF-F Sand	147.48	47.041269	1.728345
BNGSH802920	VF-F Sand	139.36	44.887919	1.537981
BNGSH802924	VF-F Sand	127.4	41.360191	1.901604
BNGSH802926	VF-F Sand	100.98	48.038266	1.349858
BNGSH802930	Mud	117.51	45.636463	1.408467
BNGSH802935	Mud	114.85	39.839388	2.941267
BNGSH802938	Mud	86.19	35.60915	0.593054
BNGSH803402	Mud	84.5	51.694575	0.428154
BNGSH803406	Mud	77.88	43.952131	0.259771
BNGSH803411	VF-F Sand	103.68	54.085894	0.919139
BNGSH803412	Mud	82.06	44.386528	0.38497
BNGSH803417	VF-F Sand	92.97	45.555078	0.660241
BNGSH803421	Mud	100.57	45.430772	0.675156
BNGSH803426	VF-F Sand	121.47	48.959459	1.440026
BNGSH803430	Mud	104	39.808838	0.656855
BNGSH803435	VF-F Sand	52.4	50.123113	0.587723
BNGSH803440	VF-F Sand	49.93	49.358541	0.470264
BNGSH803444	F-M Sand	43.64	52.240709	0.395087
BNGSH803449	VF-F Sand	41.6	48.400284	0.405595
BNGSH803455	VF-F Sand	42.74	47.717034	0.446195
BNGSH803902	Mud	108.183	47.6158344	0.8689438
BNGSH803906	Mud	88.182	48.0719125	0.6068254
BNGSH803911	Mud	88.392	47.83285	0.7152819
BNGSH803915	Mud	93.431	49.1533125	0.6518956
BNGSH803920	Mud	94.702	47.3361656	0.9063114
BNGSH803924	VF-F Sand	119.435	44.4347344	1.0000718
BNGSH803926	VF-F Sand	118.972	46.9562438	0.9266442
BNGSH803929	VF-F Sand	110.407	46.9330344	1.6894256
BNGSH803932	Mud	107.117	46.8549875	1.1398614
BNGSH803935	VF-F Sand	72.983	48.5301125	0.4740526
BNGSH803940	Mud	86.677	48.3731469	0.6853905
BNGSH803943	Mud	107.489	41.0669313	0.6725856
BNGSH803947	Mud	80.474	50.9301563	0.6709086
BNGSH803952	Mud	77.417	50.31285	0.6687194

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<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH803955	Mud	95.209	37.7347219	1.7106963
BNGSH803959	Mud	89.967	49.3469406	0.7545435
BNGSH803963	M-C Sand	37.867	51.0895219	0.3380645
BNGSH804402	Mud	88.57	49.076672	0.280588
BNGSH804406	Mud	125.4	44.7828	1.427271
BNGSH804408	VF-F Sand	137.34	47.221466	1.650527
BNGSH804412	VF-F Sand	145.51	49.4985	1.736768
BNGSH804417	VF-F Sand	140.62	47.905547	1.955972
BNGSH804418	Mud	129.23	41.379097	1.539927
BNGSH804420	Mud	139.64	47.126459	1.722057
BNGSH804427	Mud	108.28	45.131691	1.455574
BNGSH804432	Mud	93.86	42.557175	1.60598
BNGSH804437	Mud	80.6	47.163816	0.311519
BNGSH804441	Mud	70.68	46.921228	0.135935
BNGSH804446	Mud	60.53	51.069844	0.373954
BNGSH804450	Mud	87.81	51.274178	0.336153
BNGSH804455	Mud	79.48	48.086547	0.148004
BNGSH804459	VF-F Sand	48.48	48.142053	0.428619
BNGSH804464	M-C Sand	40.56	50.139256	0.455657
BNGSH804469	M-C Sand	79.37	50.729469	0.203322
BNGSH804902		85.72	44.877881	0.333404
BNGSH804906		93.04	43.75235	0.591789
BNGSH804911		79.78	37.594078	0.623812
BNGSH804915		90.5	45.226163	0.599897
BNGSH804920		95.01	45.789213	0.632371
BNGSH804924		107.04	40.405147	0.912011
BNGSH804926		109.84	42.628038	0.926693
BNGSH804930		108.39	44.861706	0.817248
BNGSH804935		81.97	45.048184	0.20337
BNGSH804940		82.29	39.711913	0.094185
BNGSH804944		63.9	39.138306	0.185953
BNGSH804949		34.04	57.562888	0.100787
BNGSH804950		65.25	45.647531	0.290979
BNGSH804953		38.85	55.582944	0.202984
BNGSH804958		85.84	57.96635	0.103806
BNGSH804964		34.32	53.683706	0.12839
BNGSH805402	VF-F Sand	116.32	45.015853	1.036669
BNGSH805403	Mud	103.65	53.723025	0.965002
BNGSH805408	Mud	98.9	50.428409	1.042801
BNGSH805409	VF-F Sand	119.42	43.533106	1.386246
BNGSH805411	Mud	100.57	50.192997	1.075482
BNGSH805414	VF-F Sand	121.02	49.091597	1.33945
BNGSH805417	Mud	105.96	49.174478	1.171648
BNGSH805418	VF-F Sand	126.51	51.741044	1.313295
BNGSH805420	Mud	97.97	50.425122	1.376475
BNGSH805421	VF-F Sand	103.36	52.586888	1.080068
BNGSH805423	Mud	115.42	47.454522	1.502116
BNGSH805426	Mud	114.23	49.198894	1.103681
BNGSH805427	Mud	117.31	50.19715	1.540989
BNGSH805429	Mud	120.95	48.533759	1.558174
BNGSH805434	Mud	104.86	48.460228	1.536329
BNGSH805437	Mud	77.07	46.933456	0.775365
BNGSH805441	Mud	66.02	51.824778	0.305359
BNGSH805443	Mud	62.85	53.326419	0.256572
BNGSH805444	Mud	66.91	52.457319	0.295764
BNGSH805446	Mud	82.39	52.539075	0.336429
BNGSH805449	M-C Sand	26.15	58.226869	0.240294
BNGSH805453	M-C Sand	26.16	60.524575	0.397243
BNGSH805458	Mud	79.04	51.294519	1.11093
BNGSH805461	VF-F Sand	30.48	52.642556	0.234552
BNGSH805463	M-C Sand	65.44	53.327519	0.08882
BNGSH805463.5	M-C Sand	53.17	54.955094	0.186794
BNGSH805902	Mud	85.07	41.118769	0.533651
BNGSH805903	Mud	85.24	42.207159	0.177198
BNGSH805908	VF-F Sand	138.7	49.684297	1.681959

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGSH805912	Mud	99.38	39.459884	0.718829
BNGSH805914	VF-F Sand	134.74	47.581681	1.65424
BNGSH805915	Mud	123.3	44.625409	1.10949
BNGSH805920	Mud	107.56	43.892441	0.741448
BNGSH805924	Mud	111.17	45.453628	0.911204
BNGSH805929	Mud	107.88	42.541791	0.829674
BNGSH805934	Mud	91.42	37.315297	0.680772
BNGSH805938	Mud	42.76	47.9019	0.114077
BNGSH805940	Mud	59.41	41.842878	0.055943
BNGSH805943	Mud	81.31	46.1011	0.158418
BNGSH805947	Mud	79.84	42.392538	0.283054
BNGSH805950	VF-F Sand	33.1	55.700088	0.149067
BNGSH805955	M-C Sand	35.26	51.305722	0.359754
BNGSH805959	M-C Sand	29.21	50.643603	0.304795
BNGSH805963	Mud	49.79	43.334778	0.148144
BNGSH806402	Mud	85.21	48.941559	0.278452
BNGSH806406	Mud	84.4	46.896822	0.226314
BNGSH806411	VF-F Sand	130.45	45.959672	1.639781
BNGSH806412	VF-F Sand	119.05	49.898366	1.496727
BNGSH806414	VF-F Sand	124.56	46.119841	1.345818
BNGSH806418	Mud	131.92	51.793822	1.389108
BNGSH806420	M-C Sand	56.57	46.626691	1.272361
BNGSH806423	Mud	107.37	49.661334	1.678034
BNGSH806424	Mud	43.93	51.0253	0.269707
BNGSH806427	M-C Sand	27.05	52.440963	0.063637
BNGSH806432	M-C Sand	21.52	54.693056	0.108164
BNGSH806434	Mud	69.51	50.305128	1.607471
BNGSH806437	VF-F Sand	33.09	51.135606	0.155915
BNGSH806441	M-C Sand	24.62	55.364256	0.120411
BNGSH806445	Mud	71.04	52.872144	1.105109
BNGSH806446	M-C Sand	32.46	52.247431	0.202175
BNGSH806447	Mud	70.95	45.221613	0.233645
BNGSH806451	Mud	69.8	43.910544	0.285857
BNGSH806452	M-C Sand	23.79	56.140206	0.101395
BNGSH806453	Mud	55.86	44.841413	0.181195
BNGSH806456	Mud	60.31	50.228109	0.115016
BNGSH806461	M-C Sand	20.57	57.820456	0.190578
BNGSH806902	VF-F Sand	90.74	47.843869	0.612084
BNGSH806906	Mud	83.41	30.767234	0.440485
BNGSH806911	VF-F Sand	131.1	52.696519	1.702653
BNGSH806915	M-C Sand	78.47	43.961219	0.494525
BNGSH806920	Mud	113.49	36.755269	0.82872
BNGSH806924	VF-F Sand	93.57	56.254406	0.484756
BNGSH806929	VF-F Sand	99.36	53.886894	0.87687
BNGSH806934	M-C Sand	52.92	49.368553	0.344156
BNGSH806938	VF-F Sand	27.59	47.900806	0.02778
BNGSH806943	VF-F Sand	30.35	57.4976	0.037836
BNGSH806947	VF-F Sand	43.89	49.513559	0.146936
BNGSH806952	Mud	65.92	44.561931	0.120794
BNGSH806958	Mud	36.16	55.561113	0.100363
BNGT100102	Mud	68.19	52.922125	0.608729
BNGT100106	Mud	79.21	47.22475	0.523534
BNGT100108	M-C Sand	79.17	41.706131	0.640966
BNGT100112	M-C Sand	76.74	49.245541	0.562768
BNGT100117	M-C Sand	77.21	48.316416	0.733573
BNGT100121	M-C Sand	45.36	48.463016	0.27531
BNGT100126	M-C Sand	70.47	45.533094	0.476424
BNGT100130	M-C Sand	61.91	49.668456	0.422849
BNGT100135	M-C Sand	58.58	50.132581	0.465975
BNGT100138	M-C Sand	46.39	48.035406	0.320658
BNGT100140	Mud	97.22	25.804091	6.529064
BNGT100141	M-C Sand	75.65	46.720684	0.54371
BNGT100144	M-C Sand	45.62	44.590281	0.240496
BNGT100145	Mud	58.92	42.159122	0.35857
BNGT100146	M-C Sand	50.67	49.969041	0.361562

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT100150	VF-F Sand	54.49	52.08365	0.470697
BNGT100156	M-C Sand	51.7	46.961547	0.367646
BNGT100702	Mud	72.14	40.844397	0.64445
BNGT100703	M-C Sand	67.06	35.359216	0.541593
BNGT100705	M-C Sand	72.38	42.224684	0.65795
BNGT100709	M-C Sand	74.39	43.742759	0.721811
BNGT100711	M-C Sand	68.01	45.981353	0.508032
BNGT100715	M-C Sand	63.4	43.589781	0.509809
BNGT100717	M-C Sand	60.67	41.261988	0.519467
BNGT100721	M-C Sand	63.14	45.171272	0.527134
BNGT100723	Mud	71.75	36.345666	2.708271
BNGT100724	M-C Sand	66.09	42.204466	0.648805
BNGT100726	M-C Sand	65.21	42.892572	0.530907
BNGT100727	M-C Sand	68.48	44.092763	0.575495
BNGT100732	M-C Sand	59.31	47.809541	0.455451
BNGT100734		82.27	33.649559	0.665178
BNGT100735	M-C Sand	71.97	40.305972	0.580849
BNGT101302	Mud	53.72	45.495513	0.358663
BNGT101303	M-C Sand	69.61	48.047	0.651011
BNGT101308	M-C Sand	80.11	50.998934	0.725869
BNGT101312	VF-F Sand	74.8	47.295116	1.010834
BNGT101315	M-C Sand	72.37	43.458434	1.832967
BNGT101317	VF-F Sand	77.12	48.092466	0.890714
BNGT101321	Mud	64.78	47.513753	0.415888
BNGT101323	VF-F Sand	92.38	49.577131	1.090244
BNGT101327	M-C Sand	76.91	49.079809	1.128374
BNGT101332	VF-F Sand	61.49	47.243988	0.641896
BNGT101337	VF-F Sand	77.05	47.101828	0.70751
BNGT101341	VF-F Sand	82.76	48.817303	0.469475
BNGT101346	M-C Sand	47.42	50.957325	0.361091
BNGT101350	M-C Sand	58.69	47.794859	0.383201
BNGT101355	M-C Sand	49.07	52.431956	0.460354
BNGT101359	VF-F Sand	61.62	45.075041	0.463726
BNGT101364	M-C Sand	56.67	52.323422	0.429233
BNGT101366.5	Mud	58.68	48.815059	0.395851
BNGT101367	M-C Sand	53.6	48.431	0.363962
BNGT101370	VF-F Sand	71.65		
BNGT102002	Mud	74.22	42.842319	0.460307
BNGT102003	Mud	53.31	49.893797	0.18988
BNGT102006	Mud	58.96	46.862338	0.325555
BNGT102008	M-C Sand	69.43	47.084584	0.478551
BNGT102012	M-C Sand	67.48	48.982928	0.349005
BNGT102017	M-C Sand	67.31	47.011628	0.378589
BNGT102021	M-C Sand	64.53	43.209116	0.262295
BNGT102026	M-C Sand	64.6	47.179166	0.352327
BNGT102030	M-C Sand	58.92	51.273759	0.369274
BNGT102035	M-C Sand	49.91	45.956481	0.39242
BNGT102040	VF-F Sand	57.66	59.341369	0.213615
BNGT102046	VF-F Sand	62.43	49.366394	0.431058
BNGT102050	M-C Sand	62.33	53.470763	0.483994
BNGT102055	M-C Sand	51.45	46.354291	0.164331
BNGT102055.5	Mud	57.98	43.880431	0.323651
BNGT102056	M-C Sand	44.13	47.130681	0.281611
BNGT102061	M-C Sand	44.22	46.749363	0.198443
BNGT102066	M-C Sand	59.68	45.322975	0.396284
BNGT102070	M-C Sand	61.41	51.277131	0.506352
BNGT102602	VF-F Sand	85.31	43.089059	0.849758
BNGT102605	VF-F Sand	71.53	36.513322	0.588663
BNGT102609	Mud	71.83	39.978959	3.409486
BNGT102611	Mud	92.39	45.560481	0.931301
BNGT102615	Mud	77.61	46.458538	0.705474
BNGT102617	VF-F Sand	56.8	43.8439	0.395689
BNGT102623	M-C Sand	69.5	41.130669	0.548149
BNGT102624	Mud	45.76	34.421059	3.137129
BNGT102627	Mud	36.32	43.0527	0.169706

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT102629	VF-F Sand	39.26	46.413819	0.078859
BNGT102635	M-C Sand	48.2	46.942831	0.349377
BNGT102638	M-C Sand	61.54	45.340209	0.360957
BNGT102643	M-C Sand	54.16	45.488859	0.348387
BNGT102644	M-C Sand	40.57	47.000706	0.415019
BNGT102650	VF-F Sand	48.66	45.739375	0.268021
BNGT102656	M-C Sand	49.28	45.24025	0.404594
BNGT102658	M-C Sand	56.37	47.32605	0.378198
BNGT102664	VF-F Sand	58.35	47.279775	0.315175
BNGT102670	M-C Sand	62.44	44.154125	0.53732
BNGT103202	Mud	76.55	39.215341	1.987804
BNGT103205	VF-F Sand	65.67	49.298069	0.765599
BNGT103209	M-C Sand	76.78	47.658328	0.639557
BNGT103214	M-C Sand	68.28	44.856088	0.587644
BNGT103218	M-C Sand	66.14	46.938378	0.522641
BNGT103221	Mud	62.89	50.453872	1.768975
BNGT103226	M-C Sand	84.4	46.806166	0.553021
BNGT103230	M-C Sand	59.89	40.701231	0.538283
BNGT103235	M-C Sand	59.26	45.329291	0.453917
BNGT103236	Mud	67.51	45.0651	0.573588
BNGT103237	VF-F Sand	55.56	48.058431	0.454706
BNGT103239	Mud	78.05	46.966984	0.685699
BNGT103240	M-C Sand	57.87	41.338856	0.421549
BNGT103244	M-C Sand	52.74	43.581866	0.388934
BNGT103802	Mud	56.86	51.552806	0.262598
BNGT103805	Mud	60.22	44.125159	0.289037
BNGT103809	Mud	98.62	44.585041	0.787602
BNGT103812	Mud	61.77	41.595722	0.392709
BNGT103815	VF-F Sand	72.29	45.587703	0.603392
BNGT103820	M-C Sand	73.08	47.557194	0.557535
BNGT103824	Mud	36.84	40.736181	0.181278
BNGT103829	Mud	71.08	44.064669	0.474302
BNGT103831	M-C Sand	62.99	51.011947	0.596979
BNGT103835	Mud	73.02	41.879028	0.523637
BNGT103840	Mud	62.46	40.207897	0.440785
BNGT103841	VF-F Sand	65.94	47.434684	0.515849
BNGT103846	VF-F Sand	48.92	46.090781	0.493496
BNGT104202	Mud	63.34	45.972419	0.437471
BNGT104203	VF-F Sand	83.41	39.851203	0.569743
BNGT104205	M-C Sand	81.41	42.6723	0.496833
BNGT104206	M-C Sand	63.67	41.970184	0.601685
BNGT104211	M-C Sand	70.47	42.630984	0.702348
BNGT104215	M-C Sand	66.42	44.993603	0.606887
BNGT104220	M-C Sand	65.03	45.562203	0.508421
BNGT104224	VF-F Sand	63.94	43.748125	0.473213
BNGT104229	M-C Sand	58.99	46.242497	0.397307
BNGT104230	Mud	76.78	42.972181	0.749383
BNGT104234	M-C Sand	62.94	43.967909	0.455601
BNGT104238	M-C Sand	49.44	41.722916	0.300414
BNGT104243	M-C Sand	50.77	41.962813	0.311656
BNGT104247	M-C Sand	46.52	43.251684	0.323572
BNGT104253	M-C Sand	65.82	43.423884	0.526827
BNGT104258	M-C Sand	58.92	46.98235	0.537503
BNGT104263	M-C Sand	58.8	48.481219	0.559776
BNGT104267	VF-F Sand	47.54	48.213344	0.389519
BNGT104271	M-C Sand	58.06	46.803353	0.571257
BNGT104276	M-C Sand	59.37	46.626803	0.528752
BNGT104802	Mud	68.16	43.907788	2.316018
BNGT104805	Mud	70.63	44.331741	0.445437
BNGT104808	M-C Sand	80.29	41.845441	0.81166
BNGT104812	M-C Sand	91.91	44.491319	0.632548
BNGT104814	Mud	68.31	46.183756	0.465666
BNGT104817	VF-F Sand	79.18	42.670969	0.676307
BNGT104821	VF-F Sand	80.58	42.678194	0.621886
BNGT104824	Mud	69.14	43.694047	0.747765

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT104827	VF-F Sand	73.91	42.608866	1.027517
BNGT104832	M-C Sand	51.44	42.634572	0.777687
BNGT104834	M-C Sand	77.52	46.015741	0.521144
BNGT104835	M-C Sand	68.79	46.198109	0.728666
BNGT104840	M-C Sand	67.53	44.155575	0.765022
BNGT104840.5	Mud	55.98	38.617631	0.295778
BNGT104841	VF-F Sand	68.4	46.297031	0.529942
BNGT104843	VF-F Sand	63.97	45.061416	0.600096
BNGT105602	VF-F Sand	76.32	44.397341	0.627885
BNGT105605	Mud	54.14	47.113981	0.24627
BNGT105608	Mud	51.02	49.863081	0.167452
BNGT105609	VF-F Sand	95.9	42.126481	0.719691
BNGT105611	Mud	58.78	46.573869	0.438654
BNGT105612	VF-F Sand	74.56	44.0194	0.564346
BNGT105617	Mud	67.98	45.207813	0.46063
BNGT105621	M-C Sand	68.1	48.077031	0.372836
BNGT105627	M-C Sand	64.13	43.672469	0.476642
BNGT105632	M-C Sand	56.03	45.578797	0.401471
BNGT105638	M-C Sand	46.82	44.339594	0.343828
BNGT105643	M-C Sand	49.94	46.460397	0.283559
BNGT105647	VF-F Sand	58.94	45.744447	0.396941
BNGT105650	Mud	37.92	56.722975	0.09416
BNGT105653	Mud	36.15	46.998431	0.139419
BNGT105655	VF-F Sand	55.08	44.725653	0.235566
BNGT105658	M-C Sand	52.27	47.364778	0.289197
BNGT105658.5	Mud	41.79	46.199594	0.207451
BNGT105659	VF-F Sand	53.43	43.659966	0.255219
BNGT105662	Mud	34.75	38.568925	0.252065
BNGT105667	M-C Sand	45.2	48.351897	0.264009
BNGT106202	Mud	72.65	44.270359	2.05566
BNGT106206	Mud	81.63	45.735491	0.594223
BNGT106211	Mud	79.91	47.503997	0.553128
BNGT106215	M-C Sand	71.81	45.231253	0.695998
BNGT106220	M-C Sand	71.16	44.464584	0.642479
BNGT106224	M-C Sand	75.03	42.929906	0.583302
BNGT106229	M-C Sand	76.53	40.000978	1.711181
BNGT106234	Mud	39.53	47.123259	0.277594
BNGT106238	Mud	53.29	44.982784	0.50869
BNGT106241	VF-F Sand	60.79	45.243597	0.384007
BNGT106246	Mud	57.19	52.425469	0.289346
BNGT106249	Mud	49.43	48.044744	0.222823
BNGT106802	VF-F Sand	83	44.378691	0.895557
BNGT106803	VF-F Sand	82.02	48.93715	0.77917
BNGT106805	VF-F Sand	73.95	48.566553	0.672128
BNGT106806	M-C Sand	62.4	41.619372	0.251953
BNGT106811	M-C Sand	60.94	49.882213	0.313065
BNGT106815	M-C Sand	59.4	54.853219	0.314546
BNGT106820	VF-F Sand	54.66	50.858966	0.47518
BNGT106823	M-C Sand	50.89	44.583056	0.456659
BNGT106827	M-C Sand	61.65	42.423103	0.412895
BNGT106832	M-C Sand	68.88	49.969891	0.395002
BNGT106834	Mud	63.56	46.540059	0.689805
BNGT106834.5	Mud	73.39	45.652097	0.985931
BNGT106835	VF-F Sand	74.8	46.876394	0.612348
BNGT106840	M-C Sand	57.9	50.189656	0.348464
BNGT106844	VF-F Sand	52.96	44.760041	0.32458
BNGT106849	Mud	33.54	49.000503	0.190854
BNGT106850	Mud	40.64	48.421853	0.237432
BNGT106852	VF-F Sand	53.82	46.025666	0.352956
BNGT106856	M-C Sand	50.43	46.999234	0.37057
BNGT106861	VF-F Sand	57.42	48.921391	0.445235
BNGT106863	VF-F Sand	63.52	51.054741	0.442433
BNGT107502	Mud	33.13		
BNGT107505	VF-F Sand	55.96		
BNGT107509	VF-F Sand	62.98		

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT107515	M-C Sand	59.63		
BNGT107520	M-C Sand	44.85		
BNGT107524	VF-F Sand	66.91		
BNGT107526	Mud	59.56		
BNGT107530	Mud	47.11		
BNGT107533	Mud	46.52		
BNGT107534	VF-F Sand	42.23		
BNGT107541	VF-F Sand	47.5		
BNGT107546	M-C Sand	38.51		
BNGT107552	VF-F Sand	33.39		
BNGT107559	M-C Sand	48.14		
BNGT107566	VF-F Sand	52.34		
BNGT108202	Mud	65.75		
BNGT108206	Mud	61.33		
BNGT108209	VF-F Sand	69.26		
BNGT108214	VF-F Sand	83.7		
BNGT108217	Mud	68.69		
BNGT108218	VF-F Sand	52.97		
BNGT108223	M-C Sand	56.29		
BNGT108227	M-C Sand	42.7		
BNGT108232	M-C Sand	54.18		
BNGT108237	M-C Sand	53.59		
BNGT108241	M-C Sand	59.33		
BNGT108246	M-C Sand	57.91		
BNGT108250	M-C Sand	56.67		
BNGT108253	Mud	48.44		
BNGT108255	M-C Sand	51.67		
BNGT108259	M-C Sand	38.08		
BNGT108264	M-C Sand	40.35		
BNGT108269	M-C Sand	35.19		
BNGT108802	Mud	84.26		
BNGT108803	M-C Sand	81.45		
BNGT108805	M-C Sand	45.1		
BNGT108808	VF-F Sand	75.28		
BNGT108812	M-C Sand	59.97		
BNGT108817	M-C Sand	74.36		
BNGT108821	M-C Sand	70.21		
BNGT108826	M-C Sand	80.4		
BNGT108830	M-C Sand	51.58		
BNGT108835	VF-F Sand	66.69		
BNGT108840	VF-F Sand	47.69		
BNGT108844	M-C Sand	36.55		
BNGT108847	Mud	39.79		
BNGT108849	Mud	44.88		
BNGT108855	Mud	59.93		
BNGT108859	Mud	46.28		
BNGT108861	VF-F Sand	51.72		
BNGT109402	Mud	73.88	43.248538	1.40365
BNGT109406	Mud	74.77	43.622291	1.671125
BNGT109408	VF-F Sand	78.22	47.113684	0.696185
BNGT109412	M-C Sand	62.15	43.625103	0.358716
BNGT109417	M-C Sand	70.91	47.908119	0.556229
BNGT109423	M-C Sand	67.31	48.617625	0.485841
BNGT109427	M-C Sand	66.54	47.602163	0.768023
BNGT109434	M-C Sand	78.89	47.425975	0.727014
BNGT109435	Mud	63.68	45.153872	0.569261
BNGT109441	Mud	86.04	49.047722	0.744398
BNGT109443	VF-F Sand	80.06	44.756981	0.827946
BNGT109447	VF-F Sand	73.96	44.861441	0.520025
BNGT109452	M-C Sand	67.2	47.391478	0.396837
BNGT109458	M-C Sand	91.41	49.101234	0.619581
BNGT109469	VF-F Sand	123.27	45.549684	0.876032
BNGT110002	VF-F Sand	91.52		
BNGT110006	VF-F Sand	77.72		
BNGT110008	Mud	39.84		

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT110009	VF-F Sand	78.11		
BNGT110012	VF-F Sand	80.92		
BNGT110014	M-C Sand	50.91		
BNGT110017	VF-F Sand	57.28		
BNGT110018	M-C Sand	56.44		
BNGT110021	M-C Sand	50.32		
BNGT110023	VF-F Sand	54.29		
BNGT110024	M-C Sand	52.62		
BNGT110026	M-C Sand	53.8		
BNGT110030	M-C Sand	82.88		
BNGT110035	M-C Sand	119.3		
BNGT110040	VF-F Sand	88.04		
BNGT110044	M-C Sand	99.38		
BNGT110049	M-C Sand	140.11		
BNGT110053	M-C Sand	92.19		
BNGT110602	Mud	73.63	45.441734	0.725021
BNGT110603	VF-F Sand	79.84	48.346369	0.943941
BNGT110608	VF-F Sand	94.61	48.759706	1.170472
BNGT110612	M-C Sand	75.48	43.250322	0.470946
BNGT110617	VF-F Sand	71.06	48.316394	1.091729
BNGT110621	VF-F Sand	64.3	36.881569	0.26491
BNGT110626	VF-F Sand	58.86	44.648122	0.448859
BNGT110630	M-C Sand	96.13	39.813684	0.649754
BNGT110635	VF-F Sand	122.25	41.251613	0.661842
BNGT110640	M-C Sand	96.53	45.365319	0.85026
BNGT110644	M-C Sand	85	45.73015	0.825291
BNGT110649	M-C Sand	83.45	48.476347	0.448105
BNGT110653	VF-F Sand	62.85	44.542594	0.547744
BNGT110658	M-C Sand	60.93	46.026303	0.371306
BNGT110663	VF-F Sand	103.42	43.71165	0.660047
BNGT110667	M-C Sand	82.62	45.599947	0.641543
BNGT110671	M-C Sand	117.93	42.772853	0.726703
BNGT110672	M-C Sand	91.1	46.130247	0.713493
BNGT111202	VF-F Sand	87.79		
BNGT111205	VF-F Sand	85.45		
BNGT111212	M-C Sand	57.92		
BNGT111217	M-C Sand	61.12		
BNGT111221	M-C Sand	43		
BNGT111226	M-C Sand	49.64		
BNGT111230	M-C Sand	103.53		
BNGT111235	M-C Sand	82.28		
BNGT111238	M-C Sand	44.4		
BNGT111802	Mud	73.547	43.611675	1.0127974
BNGT111808	Mud	40.22	47.4395906	0.243213
BNGT111812	VF-F Sand	32.438	41.8409969	0.056269
BNGT111817	M-C Sand	37.371	41.9666438	0.0834801
BNGT111821	M-C Sand	42.617	45.4186656	0.1812826
BNGT111826	VF-F Sand	93.281	42.4435063	0.5842184
BNGT111829	M-C Sand	89.681	48.9744125	0.7054893
BNGT111830	M-C Sand	108.707	44.4118594	0.7689309
BNGT111835	M-C Sand	69.242	44.4335781	0.5397263
BNGT111836	Gravel Bed	111.042	48.6482188	0.857772
BNGT112402	Mud	70.98	48.38655	0.678743
BNGT112403	VF-F Sand	80.28	39.933225	0.603709
BNGT112408	VF-F Sand	84.65	50.289072	0.725424
BNGT112412	VF-F Sand	82.59	47.127306	0.74175
BNGT112417	VF-F Sand	71.28	47.444038	0.305546
BNGT112421	VF-F Sand	88.06	46.595581	0.368577
BNGT112426	M-C Sand	61.26	42.640488	0.349869
BNGT112427	VF-F Sand	119.24	40.873541	0.749056
BNGT112434	M-C Sand	136.98	46.296206	0.800968
BNGT113002	VF-F Sand	83.03	42.918806	0.643535
BNGT113006	M-C Sand	87.77	42.428256	0.671253
BNGT113011	VF-F Sand	85.24	42.660859	0.677006
BNGT113015	VF-F Sand	104.73	42.110213	0.665655

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT113020	VF-F Sand	115.76	47.080781	0.978775
BNGT113024	VF-F Sand	125.97	45.812356	0.773032
BNGT113029	M-C Sand	114.77	43.972119	0.883536
BNGT113034	M-C Sand	98.16	42.347634	0.823208
BNGT113038	M-C Sand	78.85	45.793563	0.600736
BNGT113043	M-C Sand	85.63	45.073888	0.415144
BNGT113048	M-C Sand	48.29	41.060675	0.545129
BNGT113602	Mud	70.903	45.3034938	0.6630878
BNGT113603	Mud	71.334	42.028325	1.5373221
BNGT113606	VF-F Sand	98.81	48.619575	0.8131857
BNGT113612	VF-F Sand	91.43	49.8898438	0.6170708
BNGT113620	VF-F Sand	101.537	46.7376219	0.5714504
BNGT113624	M-C Sand	57.72	52.0810969	0.3537382
BNGT114202	Mud	71.902	42.3792281	0.6920516
BNGT114203	VF-F Sand	100.393	45.1821625	1.0176932
BNGT114208	VF-F Sand	107.064	47.6241781	0.942982
BNGT114212	M-C Sand	109.11	46.8072313	1.1648673
BNGT114217	M-C Sand	100.999	47.1780406	0.8121928
BNGT114221	M-C Sand	108.908	48.4573438	0.4381663
BNGT114226	VF-F Sand	120.96	45.1525	0.7451227
BNGT114227	M-C Sand	53.604	48.5582063	0.5213551
BNGT114702	Mud	61.903	43.1115	1.5500116
BNGT114706	Mud	56.299	37.8590594	2.3578449
BNGT114711	Mud	78.959	41.6209469	2.7929809
BNGT114714	VF-F Sand	129.598	49.7711125	1.3869243
BNGT114718	VF-F Sand	128.527	46.0547	0.8547747
BNGT114723	VF-F Sand	121.766	47.5377438	0.8194797
BNGT114727	M-C Sand	92.342	49.2500906	0.9181614
BNGT114732	M-C Sand	125.697	50.4449844	1.0149334
BNGT114735	M-C Sand	99.852	43.1552	0.9866038
BNGT115202	VF-F Sand	113.044	43.5820625	0.9039745
BNGT115206	VF-F Sand	122.304	43.6421594	0.5769344
BNGT115211	VF-F Sand	114.635	47.7224906	1.020612
BNGT115215	M-C Sand	115.989	49.711775	0.9188546
BNGT115220	M-C Sand	87.832	51.3548719	0.3784756
BNGT115223	M-C Sand	79.845	55.5474438	0.4674009
BNGT115226	M-C Sand	109.484	49.6860563	0.8208781
BNGT115702	VF to F Sand	120.218	44.4352688	1.0048232
BNGT115706	VF to F Sand	115.49	43.8408313	0.9234731
BNGT115711	VF to F Sand	120.826	43.9380844	0.8710604
BNGT115715	VF to F Sand	130.215	46.9720094	1.3962904
BNGT115717	Mud	90.2	44.7161469	1.6573201
BNGT115718	M to C Sand	141.019	51.54405	0.8940075
BNGT115723	M to C Sand	117.786	48.8041938	1.0751513
BNGT115727	M to C Sand	140.638	51.1321063	0.9070323
BNGT115732	M to C Sand	123.401	49.7492344	1.2082008
BNGT115738	M to C Sand	89.968	52.0348813	0.5619982
BNGT116202	VF-F Sand	90.764	47.781525	0.7835784
BNGT116203	VF-F Sand	60.576	44.5442625	0.4535608
BNGT116206	VF-F Sand	118.34	43.4576813	0.6619566
BNGT116211	VF-F Sand	93.519	39.5548969	0.7878114
BNGT116215	VF-F Sand	125.968	45.3660219	1.3188738
BNGT116220	VF-F Sand	152.126	52.7220813	1.10181
BNGT116224	M-C Sand	116.254	51.6106375	0.749069
BNGT116229	M-C Sand	128.827	48.2550063	0.5659708
BNGT116232	M-C Sand	133.217	53.3562438	0.888512
BNGT116702	Mud	56.324	45.9855406	0.4916043
BNGT116705	VF-F Sand	146.965	48.8136688	1.0366714
BNGT116709	VF-F Sand	133.682	47.9454313	0.9633985
BNGT116714	VF-F Sand	156.589	48.4965781	1.2596002
BNGT116718	M-C Sand	146.711	49.5766438	0.9182896
BNGT116723	M-C Sand	115.615	54.6183313	0.4828354
BNGT116727	M-C Sand	93.362	51.6606813	0.4997393
BNGT116729	M-C Sand	130.077	50.4920656	0.9455343
BNGT117202	Mud	48.33		

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT117203	VF-F Sand	122.32		
BNGT117208	VF-F Sand	120.99		
BNGT117212	VF-F Sand	151.22		
BNGT117217	VF-F Sand	160.89		
BNGT117221	VF-F Sand	150.7		
BNGT117230	M-C Sand	135.12		
BNGT117702	Mud	50.51		
BNGT117705	VF-F Sand	83.13		
BNGT117709	VF-F Sand	87.09		
BNGT117714	VF-F Sand	106.41		
BNGT117718	VF-F Sand	128.39		
BNGT117723	M-C Sand	104.15		
BNGT117727	M-C Sand	111.6		
BNGT200102	Mud	42.14		
BNGT200106	Mud	53.04		
BNGT200111	Mud	66.63		
BNGT200112	VF-F Sand	66.22		
BNGT200114	Mud	63.78		
BNGT200115	VF-F Sand	60.55		
BNGT200117	Mud	66.21		
BNGT200118	VF-F Sand	61.67		
BNGT200120	VF-F Sand	53.4		
BNGT200121	Mud	38.79		
BNGT200126	VF-F Sand	48.75		
BNGT200130	VF-F Sand	49.13		
BNGT200131	Mud	46.67		
BNGT200132	VF-F Sand	32.53		
BNGT200137	M-C Sand	29.7		
BNGT200141	M-C Sand	37.01		
BNGT200142	Mud	43.09		
BNGT200143	M-C Sand	32.02		
BNGT200147	M-C Sand	43.87		
BNGT200148	Mud	31.75		
BNGT200149	M-C Sand	34.8		
BNGT200150	VF-F Sand	30.26		
BNGT200602	Mud	56.53		
BNGT200605	Mud	69.42		
BNGT200608	Mud	73.16		
BNGT200612	Mud	62.88		
BNGT200617	VF-F Sand	38.88		
BNGT200618	M-C Sand	40.31		
BNGT200619	Iron concretion	19.84		
BNGT200620	Mud	52.06		
BNGT200623	Mud	48.86		
BNGT200626	M-C Sand	40.57		
BNGT200629	Mud	35.72		
BNGT200630	M-C Sand	30.22		
BNGT200632	M-C Sand	37.3		
BNGT200634	Mud	40		
BNGT200638	Mud	41.39		
BNGT200640	VF-F Sand	40.33		
BNGT200643	Mud	47.15		
BNGT201202	Mud	45.57		
BNGT201206	Mud	45.97		
BNGT201209	Mud	48.66		
BNGT201212	Mud	45.76		
BNGT201802	Mud	31.12		
BNGT201806	Mud	25.63		
BNGT201811	Mud	21.13		
BNGT201814	Mud	13.69		
BNGT201815	Mud	22.77		
BNGT201818	Mud	21.74		
BNGT201821	Mud	22.28		
BNGT202402	Mud	64.52		
BNGT202403	Mud	65.19		

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT202405	Mud	67.81		
BNGT202406	VF-F Sand	65.68		
BNGT202408	VF-F Sand	66.79		
BNGT202409	VF-F Sand	161.58		
BNGT202411	VF-F Sand	154.15		
BNGT202412	Mud	68.02		
BNGT202414	Mud	69.73		
BNGT202415	M-C Sand	70.96		
BNGT202417	VF-F Sand	145.94		
BNGT202418	Mud	59.82		
BNGT202420	Mud	40.97		
BNGT202421	Mud	36.17		
BNGT202423	Mud	54.35		
BNGT202424	VF-F Sand	50.94		
BNGT202426	M-C Sand	48.48		
BNGT202427	VF-F Sand	46.93		
BNGT202429	VF-F Sand	32.36		
BNGT203002	M-C Sand	70.29	51.419481	0.428508
BNGT203006	M-C Sand	70.12	49.834341	0.448053
BNGT203009	M-C Sand	68.29	50.362981	0.430101
BNGT203011	Mud	63.07	50.914353	1.025601
BNGT203012	VF-F Sand	99.52	43.523747	0.625234
BNGT203014	Mud	72.04	53.698	1.071142
BNGT203017	VF-F Sand	89.72	48.287672	0.53343
BNGT203021	M-C Sand	113.11	39.897325	1.02622
BNGT203026	VF-F Sand	144.09	45.978631	1.411427
BNGT203030	M-C Sand	110.36	47.189659	1.12394
BNGT203037	M-C Sand	111.77	48.662197	1.097016
BNGT203043	VF-F Sand	98.74	50.213038	0.534685
BNGT203049	Mud	66.15	24.221686	6.803277
BNGT203051	Mud	56.12	33.730497	4.187095
BNGT203052	M-C Sand	87.61	46.709509	1.148581
BNGT203055	VF-F Sand	85.69	48.065544	0.895258
BNGT203602	Mud	56.49	50.095728	0.321493
BNGT203605	VF-F Sand	77.21	41.725731	0.534205
BNGT203609	M-C Sand	70.98	42.369769	0.6063
BNGT203611	Mud	68.03	29.379806	4.55263
BNGT203612	M-C Sand	88.49	43.263694	0.603067
BNGT203617	VF-F Sand	163.43	42.510791	1.728541
BNGT203621	M-C Sand	121.33	45.898822	1.000725
BNGT203626	M-C Sand	111.17	45.050444	0.918527
BNGT203630	VF-F Sand	119.95	46.385419	1.051077
BNGT203635	M-C Sand	101	46.931288	0.653907
BNGT203640	M-C Sand	108.99	47.498272	0.803113
BNGT203644	VF-F Sand	127.2	42.387013	1.464227
BNGT203647	M-C Sand	75.71	40.6558	0.617923
BNGT203652	M-C Sand	79.41	41.111722	0.604999
BNGT203655	M-C Sand	112.94	44.938228	0.852657
BNGT204202	Mud	40.68	44.897391	0.143382
BNGT204205	Mud	64.68	31.522266	0.283969
BNGT204206	VF-F Sand	61.31	45.737319	0.358141
BNGT204211	VF-F Sand	72.1	42.164306	0.483613
BNGT204215	VF-F Sand	82.32	48.492809	0.497375
BNGT204217	Mud	84.52	42.6477	2.425465
BNGT204218	M-C Sand	98.14	52.917988	0.781717
BNGT204220	Mud	72.62	46.095541	0.558475
BNGT204221	VF-F Sand	78.02	42.969516	0.627455
BNGT204226	VF-F Sand	70.93	50.511016	0.561687
BNGT204230	VF-F Sand	148.55	46.846497	1.023415
BNGT204235	VF-F Sand	156.02	47.6131	1.144699
BNGT204240	M-C Sand	131.47	49.71875	1.127318
BNGT204244	VF-F Sand	132.62	48.257466	0.71636
BNGT204246	M-C Sand	120.45	50.127047	1.084226
BNGT204802	Mud	67.94	47.8594	0.570189
BNGT204806	Mud	56.41	46.141694	0.283327

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT204809	VF-F Sand	94.37	44.622038	0.640405
BNGT204811.5	Mud	67.41	46.604763	0.434501
BNGT204812	VF-F Sand	94.97	45.360888	0.526512
BNGT204817	M-C Sand	110.08	45.520497	0.721139
BNGT204823	M-C Sand	124.52	48.110591	0.695633
BNGT204827	VF-F Sand	147.04	46.472763	0.755673
BNGT204829	Mud	90.66	48.805088	1.284164
BNGT204832	VF-F Sand	167.21	43.005322	1.194185
BNGT204838	VF-F Sand	175.04	44.740306	1.132862
BNGT204844	M-C Sand	176.21	46.083709	1.052432
BNGT204850	M-C Sand	129.88	47.589188	0.650683
BNGT204855	M-C Sand	103.49	43.015847	0.761602
BNGT204859	VF-F Sand	120.05	46.552709	1.091944
BNGT205402	VF-F Sand	74.09	50.731066	0.604271
BNGT205403	Mud	66.98	48.200931	0.548466
BNGT205408	Mud	81.79	53.015075	0.640954
BNGT205412	VF-F Sand	91.77	47.052313	1.026664
BNGT205417	VF-F Sand	149.4	49.220491	1.588996
BNGT205421	VF-F Sand	147.4	48.962769	1.479342
BNGT205426	M-C Sand	145.42	45.490091	1.466083
BNGT205430	M-C Sand	143.64	47.627453	1.647088
BNGT205435	VF-F Sand	153.85	47.879638	1.600851
BNGT205440	M-C Sand	172.45	46.089441	1.779968
BNGT205444	M-C Sand	154.27	49.808688	1.822908
BNGT205449	M-C Sand	181.24	49.791441	1.856292
BNGT205453	VF-F Sand	139.16	49.481972	1.466005
BNGT205456	Mud	93.57	34.475666	8.698934
BNGT205602	Mud	87.37	44.464469	2.308245
BNGT205606	Mud	46.97	50.033197	0.215821
BNGT205609	Mud	55.56	47.686897	0.295854
BNGT205611	VF-F Sand	87.95	44.434978	0.498802
BNGT205615	VF-F Sand	128.58	44.602431	0.94499
BNGT205620	M-C Sand	153.71	46.837197	1.424566
BNGT205624	VF-F Sand	156.17	48.536103	1.579033
BNGT205629	M-C Sand	104.56	50.727278	0.928841
BNGT205634	M-C Sand	123.41	48.583688	1.126825
BNGT205635	M-C Sand	83.77	51.651206	0.784542
BNGT205637	M-C Sand	95.36	49.824003	0.843767
BNGT206202	Mud	44.01	45.652847	0.167184
BNGT206205	Mud	41.57	49.600113	0.098068
BNGT206206	Mud	63.15	47.498841	0.344605
BNGT206211	VF-F Sand	120.89	42.904825	0.982703
BNGT206215	M-C Sand	126.67	46.582025	1.216792
BNGT206220	M-C Sand	136.99	45.774388	1.153869
BNGT206226	M-C Sand	121.34	53.67265	0.767234
BNGT206232	M-C Sand	114.2	54.236438	0.534772
BNGT206802	Mud	56.2	53.201763	0.315216
BNGT206803	Mud	77.88	41.116875	0.535137
BNGT206805	Mud	76.8	38.277578	0.504835
BNGT206806	Mud	94.18	38.831884	0.616235
BNGT206808	VF-F Sand	176.82	39.260753	1.140297
BNGT206809	VF-F Sand	167.79	42.838309	1.429033
BNGT206811	M-C Sand	174.79	49.060125	1.465399
BNGT206812	M-C Sand	157.5	44.828441	1.067254
BNGT206814	VF-F Sand	175.33	49.735141	1.498698
BNGT206815	VF-F Sand	190.78	46.710297	1.053505
BNGT206817	VF-F Sand	157.15	49.963413	1.214266
BNGT206818	M-C Sand	129.66	48.356578	1.143052
BNGT206820	M-C Sand	157.19	50.960781	0.970559
BNGT206821	M-C Sand	128.31	49.682434	0.952955
BNGT206823	M-C Sand	134.99	48.649819	1.056403
BNGT206824	M-C Sand	127.51	54.854313	0.931524
BNGT206826	VF-F Sand	156.54	45.131191	0.908152
BNGT206827	M-C Sand	104.12	49.612613	1.15639
BNGT206829	M-C Sand	119.07	49.040809	1.008315

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT206830	VF-F Sand	134.21	50.551531	1.075537
BNGT206832	M-C Sand	162.79	48.966606	1.165672
BNGT206834	M-C Sand	128.05	48.477	0.886439
BNGT206835	M-C Sand	140.85	49.485419	0.95749
BNGT206837	M-C Sand	126.24	46.668419	0.957822
BNGT206838	VF-F Sand	136.5	49.918381	1.146584
BNGT206840	VF-F Sand	61.44	0.651817	0.006544
BNGT206841	M-C Sand	162.52	46.257309	0.940733
BNGT206843	M-C Sand	151.11	45.0688	0.878028
BNGT206844	M-C Sand	152.87	47.7256	1.181077
BNGT206846	M-C Sand	157.78	48.872994	1.252938
BNGT207402	Mud	49.56	41.156272	0.248114
BNGT207405	Mud	78.27	44.973625	0.463867
BNGT207408	VF-F Sand	125.58	44.686259	0.821763
BNGT207412	M-C Sand	129.18	43.260825	1.113228
BNGT207417	VF-F Sand	183.15	42.832416	1.898632
BNGT207421	M-C Sand	135.93	47.834319	1.131331
BNGT207426	VF-F Sand	165.28	44.298919	1.058895
BNGT207430	M-C Sand	161.08	47.219897	1.089703
BNGT207435	M-C Sand	121.2	48.558831	0.972429
BNGT207440	M-C Sand	159.07	44.678919	1.581363
BNGT207444	M-C Sand	148.46	47.609884	1.414537
BNGT207447	VF-F Sand	146.54	49.044647	1.008283
BNGT207450	M-C Sand	137.85	47.6864	1.03347
BNGT208002	Mud	46.38	51.631181	0.077291
BNGT208005	Mud	94.7	39.191913	0.465852
BNGT208006	VF-F Sand	101.68	42.675863	0.70196
BNGT208012	M-C Sand	87.12	43.658169	0.662049
BNGT208018	M-C Sand	120.61	45.630969	0.741775
BNGT208024	M-C Sand	117.14	48.344338	0.896903
BNGT208030	VF-F Sand	153.91	43.723053	1.097864
BNGT208037	VF-F Sand	139.94	45.219044	0.983009
BNGT208043	M-C Sand	114.83	48.758891	1.058867
BNGT208049	M-C Sand	107.75	52.884856	0.598788
BNGT208053	M-C Sand	123.28	43.365216	0.719795
BNGT208602	Mud	89.304	41.1380656	1.7574596
BNGT208606	Mud	65.039	41.2895813	1.4235749
BNGT208611	Mud	73.879	43.2879938	1.7927861
BNGT208615	Mud	69.541	41.5820469	1.5305138
BNGT208620	Mud	66.867	47.1382719	1.1435092
BNGT208624	Mud	78.844	43.5406	1.1381121
BNGT208626	M-C Sand	66.601	48.3454031	0.4803944
BNGT208629	M-C Sand	44.983	49.6268219	1.0560562
BNGT209202	Mud	77.42	47.529413	0.674302
BNGT209203	VF-F sand	86.65	46.656488	0.731405
BNGT209209	VF-F sand	80.31	46.937084	0.589185
BNGT209215	VF-F sand	81.02	49.083916	0.662083
BNGT209221	M-C Sand	105.88	51.368756	0.749392
BNGT209227	M-C Sand	100.33	49.464188	0.536048
BNGT209234	M-C Sand	114.93	46.857763	0.793644
BNGT209240	VF-F sand	129.84	50.503816	1.103727
BNGT209247	M-C Sand	143.75	33.728088	1.627182
BNGT209802	Mud	74.616	43.553925	0.5638903
BNGT209805	VF-F Sand	130.037	43.6705656	0.9959964
BNGT209809	VF-F Sand	160.13	50.8329219	0.8029255
BNGT209814	VF-F Sand	147.807	45.7031406	1.0269546
BNGT209818	VF-F Sand	162.554	49.0865844	1.261773
BNGT209823	VF-F Sand	154.337	48.6434094	0.8151835
BNGT209827	VF-F Sand	174.107	49.3942563	1.3908025
BNGT209832	M-C Sand	137.78	44.18125	0.6650474
BNGT209837	M-C Sand	92.062	41.8995	0.8433025
BNGT209841	VF-F Sand	170.338	46.3756188	1.3759856
BNGT209844	VF-F Sand	140.079	46.8235031	1.1812313
BNGT210402	Mud	68.07		
BNGT210403	VF-F Sand	154.03		

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT210408	VF-F Sand	155.82		
BNGT210412	VF-F Sand	150.37		
BNGT210414	Mud	86.39		
BNGT210415	VF-F Sand	143.23		
BNGT210420	VF-F Sand	149.91		
BNGT210424	VF-F Sand	173.38		
BNGT210429	M-C Sand	95.5		
BNGT210430	M-C Sand	81.21		
BNGT211002	Mud	121.616	45.7700969	1.0075404
BNGT211003	VF-F Sand	156.784	49.215925	0.9021727
BNGT211006	Mud	163.507	39.210175	2.7587266
BNGT211008	VF-F Sand	175.607	47.939625	0.9801922
BNGT211012	VF-F Sand	173.61	52.5304438	1.21028
BNGT211017	VF-F Sand	149.334	49.3309656	0.912407
BNGT211026	M-C Sand	125.654	55.256825	0.9402838
BNGT211030	M-C Sand	91.055	53.0996438	0.8786079
BNGT211032	M-C Sand	95.758	47.7084188	0.8673381
BNGT211402	Mud	76.069	42.6115406	0.659951
BNGT211405	VF-F Sand	154.419	42.1441656	1.4921715
BNGT211409	VF-F Sand	161.469	48.9011469	1.8026451
BNGT211414	M-C Sand	123.923	55.3721688	0.7963088
BNGT211418	VF-F Sand	158.806	52.7984125	1.2234141
BNGT211423	VF-F Sand	134.546	53.458325	0.7231521
BNGT211427	VF-F Sand	150.374	52.2672375	1.1230662
BNGT211432	VF-F Sand	141.901	51.3421188	0.9705052
BNGT211437	M-C Sand	139.307	52.2367875	1.0041536
BNGT211441	M-C Sand	56.992	52.0001906	0.5633289
BNGT211446	M-C Sand	132.556	51.6017375	0.8104636
BNGT211448	M-C Sand	100.782	53.520275	0.8068529
BNGT211802	Mud	81.426	44.3659531	1.007175
BNGT211806	Mud	148.546	47.6122406	1.9286848
BNGT211808	VF-F Sand	129.285	49.4466531	1.138923
BNGT211812	VF-F Sand	144.711	50.6865469	1.352635
BNGT211817	VF-F Sand	140.965	52.011475	1.1278324
BNGT211821	VF-F Sand	139.926	42.9805531	1.0201407
BNGT211826	VF-F Sand	144.853	51.9971469	0.6437184
BNGT211830	M-C Sand	98.561	53.0931313	0.6692929
BNGT211835	VF-F Sand	124.407	50.5490281	1.093155
BNGT211840	M-C Sand	110.943	50.0498781	0.8765969
BNGT211846	M-C Sand	121.165	52.4108469	0.976239
BNGT211849	VF-F Sand	153.232	54.5084938	1.0693663
BNGT211853	M-C Sand	118.996	50.0211531	1.1631981
BNGT211854	M-C Sand	116.118	53.22585	0.4992232
BNGT300102	Mud	111.58	47.6017	3.697671
BNGT300106	Mud	120.37	46.255075	4.375076
BNGT300108	VF-F Sand	96.44	50.649406	2.432688
BNGT300114	VF-F Sand	70.78	51.709897	1.34687
BNGT300118	VF-F Sand	67.52	48.161419	1.759371
BNGT300123	VF-F Sand	79.99	51.250003	1.862134
BNGT300124	Mud	62.59	47.682759	2.920381
BNGT300127	Mud	80.35	49.884531	0.966959
BNGT300129	VF-F Sand	98.16	45.271381	0.833481
BNGT300134	M-C Sand	68.65	48.777831	0.523996
BNGT300138	VF-F Sand	92.89	49.046006	1.374676
BNGT300144	M-C Sand	59.38	55.826306	0.804709
BNGT300150	M-C Sand	71.82	52.381656	1.298774
BNGT300153	M-C Sand	77.05	48.592991	1.560227
BNGT300158.5	M-C Sand	90.52	48.318128	2.775854
BNGT300602	VF-F Sand	97.67	46.605722	2.820455
BNGT300606	VF-F Sand	90.24	49.898834	2.223704
BNGT300611	VF-F Sand	93.84	50.344806	3.525763
BNGT300615	VF-F Sand	74.53	48.796541	2.40187
BNGT300620	VF-F Sand	87.06	49.003134	2.079265
BNGT300624	VF-F Sand	80.54	52.266847	2.853224
BNGT300629	M-C Sand	70.64	46.918244	1.474312

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT300634	VF-F Sand	90.82	49.412456	3.073249
BNGT300638	M-C Sand	58.18	53.92235	2.472775
BNGT300639	M-C Sand	75.66	37.228822	11.74949
BNGT300640	M-C Sand	70.61	49.442694	2.918317
BNGT301302	Mud	90.41	52.613406	2.329759
BNGT301306	Mud	82.92	44.689022	2.712381
BNGT301312	Mud	84.89	50.698797	0.94434
BNGT301317	Mud	72.24	47.151359	0.639668
BNGT301318	VF-F Sand	86.61	47.237388	0.690898
BNGT301323	VF-F Sand	93.11	46.763569	0.701415
BNGT301327	VF-F Sand	81.58	46.385081	0.793407
BNGT301330	VF-F Sand	91.13	46.960256	2.013035
BNGT302002	Mud	86.67	40.749294	1.9772
BNGT302006	Mud	75.57	41.082259	2.287521
BNGT302011	Mud	91.52	36.042888	3.805207
BNGT302014	VF-F Sand	75.4	51.194094	1.145464
BNGT302015	VF-F Sand	70.22	47.169309	1.262588
BNGT302020	VF-F Sand	72.56	50.462863	0.862441
BNGT302023	Mud	74.51	41.707584	0.543949
BNGT302027	VF-F Sand	73.45	49.737575	0.506658
BNGT302030	Mud	63.14	45.265981	0.704742
BNGT302032	Mud	74.17	41.754456	0.811316
BNGT302035	VF-F Sand	107.55	29.069731	4.954528
BNGT302711	Mud	44.79	44.936663	0.494588
BNGT302715	VF-F Sand	40.22	44.500028	0.337056
BNGT302720	VF-F Sand	43.99	45.384659	0.278707
BNGT302724	VF-F Sand	44.19	46.104891	0.329406
BNGT302729	M-C Sand	40.68	47.341678	0.23025
BNGT302734	M-C Sand	50.27	45.074066	0.400357
BNGT302735	M-C Sand	62.81	50.358363	0.72749
BNGT304002	Mud	46.83	46.892206	0.506279
BNGT304020	Mud	52.62	36.8631	0.374561
BNGT304606	Mud	42.87	39.484103	0.432008
BNGT304620	Mud	47.2	41.158944	0.482051
BNGT304624	VF-F Sand	84.2	38.907019	0.547727
BNGT304627	VF-F Sand	83.03	39.0669	0.521336
BNGT305202	Mud	35.99	52.357506	0.1237
BNGT305206	Mud	44.7	48.359231	0.314777
BNGT305212	Mud	41.81	45.528934	0.36692
BNGT305214	VF-F Sand	41.82	47.746928	0.12158
BNGT305218	VF-F Sand	50.6	45.982272	0.13375
BNGT305220	Mud	59.56	44.865984	0.582748
BNGT305225	Mud	61.16	54.148231	0.52106
BNGT305802	Mud	69.04	45.25555	1.047577
BNGT305806	Mud	60.47	46.230722	0.502585
BNGT305811	Mud	52.04	40.097719	0.416923
BNGT305814	Mud	58.71	49.254997	0.421826
BNGT305815	VF-F Sand	85.38	55.786669	0.477366
BNGT305820	VF-F Sand	101.06	45.731447	0.839765
BNGT305826	VF-F Sand	155.25	47.983716	1.222112
BNGT305832	M-C Sand	80.69	46.983622	0.843767
BNGT306402	VF-F Sand	81.52	43.603094	0.763565
BNGT306406	Mud	49.92	41.052078	0.221251
BNGT306411	VF-F Sand	76.03	38.074791	0.360496
BNGT306415	VF-F Sand	90.03	46.384975	0.485749
BNGT306420	VF-F Sand	130.43	35.770188	0.749546
BNGT306424	VF-F Sand	101.17	46.225706	0.66852
BNGT306429	VF-F Sand	110.58	50.784688	0.644936
BNGT306434	VF-F Sand	129.29	48.294863	1.125976
BNGT306438	VF-F Sand	157.3	46.098666	1.405587
BNGT306443	VF-F Sand	116.08	45.207084	0.778124
BNGT306447	VF-F Sand	136.64	44.529713	1.039044
BNGT306452	VF-F Sand	126.69	48.734828	0.733528
BNGT307002	Mud	73.61	41.274841	1.801071
BNGT307005	Mud	43.5	48.577925	0.120921

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT307008	VF-F Sand	63	44.533894	0.221615
BNGT307014	VF-F Sand	90.32	45.823859	0.559988
BNGT307018	VF-F Sand	98.21	46.920334	0.540824
BNGT307023	M-C Sand	113.4	48.330388	0.654873
BNGT307027	VF-F Sand	159.5	46.799628	1.237495
BNGT307035	VF-F Sand	116.4	44.864719	0.730018
BNGT307040	VF-F Sand	123.85	47.433222	0.741421
BNGT307046	M-C Sand	123.71	42.052634	1.732827
BNGT307052	VF-F Sand	132.41	46.503853	1.112814
BNGT307059	M-C Sand	111.67	50.40725	0.923869
BNGT307602	Mud	38.63	47.174263	0.157511
BNGT307605	Mud	63.52	43.875372	0.280544
BNGT307608	VF-F Sand	96.25	44.449378	0.515007
BNGT307614	M-C Sand	122.38	44.613619	0.897191
BNGT307620	VF-F Sand	146.76	47.490525	0.852816
BNGT307624	VF-F Sand	120.23	47.596928	0.84533
BNGT307626	Mud	87.36	49.265531	1.721589
BNGT307628	Mud	107.39	34.296625	9.815882
BNGT307630	VF-F Sand	171.41	41.983275	1.250017
BNGT307637	VF-F Sand	162.52	50.435406	1.18155
BNGT307643	M-C Sand	213.56	47.188972	1.907835
BNGT307647	M-C Sand	139.94	46.027138	1.173332
BNGT308202	Mud	49.21	47.177028	0.238714
BNGT308205	Mud	51.09	44.640003	0.21399
BNGT308208	VF-F Sand	69.33	45.742741	0.445961
BNGT308212	VF-F Sand	115.32	45.683134	0.690865
BNGT308217	VF-F Sand	141.11	46.011747	0.835827
BNGT308221	VF-F Sand	123.18	44.873631	0.727463
BNGT308226	VF-F Sand	123.54	44.619759	0.76531
BNGT308230	VF-F Sand	137.38	46.093547	0.976493
BNGT308235	VF-F Sand	131.75	47.991806	0.890082
BNGT308240	M-C Sand	108.99	47.906619	0.863634
BNGT308244	M-C Sand	126.16	47.075188	0.718638
BNGT308247	M-C Sand	155.99	40.527175	1.648865
BNGT308250	M-C Sand	133.66	46.222228	0.974106
BNGT308802	Mud	41.38	47.595916	0.222794
BNGT308805	Mud	53.82	41.391644	0.218373
BNGT308808	VF-F Sand	95	40.274472	0.46878
BNGT308812	VF-F Sand	117.17	44.508397	0.841371
BNGT308817	VF-F Sand	116.59	42.132866	0.718927
BNGT308821	VF-F Sand	138.21	48.032509	0.919513
BNGT308826	M-C Sand	130.16	48.791184	0.710517
BNGT308830	M-C Sand	98.31	53.639381	0.485726
BNGT308835	M-C Sand	123.08	42.783159	0.989064
BNGT309402	Mud	56.26	49.234822	0.583159
BNGT309405	Mud	88.95	53.585575	0.826822
BNGT309406	VF-F Sand	152.49	47.574947	1.1763
BNGT309409	M-C Sand	144	42.692091	1.064495
BNGT309415	M-C Sand	146.86	48.633669	0.950431
BNGT309420	M-C Sand	133.51	49.425803	0.800924
BNGT309424	VF-F Sand	136.96	52.838706	0.827161
BNGT309429	M-C Sand	130.25	48.113284	0.921865
BNGT309435	M-C Sand	163.73	51.139409	0.983293
BNGT309441	M-C Sand	158.82	47.943309	1.08247
BNGT309446	VF-F Sand	139.56	51.551434	0.636794
BNGT309449.5	VF-F Sand	151.54	47.375241	0.972983
BNGT310002	Mud	49.8	49.344809	0.449652
BNGT310006	VF-F Sand	136.28	41.363416	0.904916
BNGT310011	VF-F Sand	144.31	43.141128	0.890264
BNGT310015	VF-F Sand	135.92	43.053072	0.822056
BNGT310020	VF-F Sand	157.61	46.11305	1.028068
BNGT310024	M-C Sand	126.54	41.288534	0.815945
BNGT310029	M-C Sand	136.88	45.537747	0.683072
BNGT310034	VF-F Sand	151.75	45.383988	1.036434
BNGT310038	M-C Sand	122.13	40.570972	0.692195

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGT310039	M-C Sand	141.36	41.167381	0.80472
BNGT310602	Mud	57.38	43.494791	0.612553
BNGT310606	VF-F Sand	126.57	39.193425	0.913756
BNGT310611	VF-F Sand	173.52	41.044056	1.715195
BNGT310615	VF-F Sand	153.93	43.560241	1.070969
BNGT310620	M-C Sand	151.25	48.804291	0.874836
BNGT310624	M-C Sand	133.73	48.435478	0.738286
BNGT310629	VF-F Sand	137.21	45.332634	1.008104
BNGT310634	M-C Sand	148.43	44.486041	1.413011
BNGT310637	M-C Sand	101.36	52.083069	0.86696
BNGT310640	M-C Sand	119.11	46.861622	0.900423
BNGT311202	Mud	41.33	46.794181	0.277857
BNGT311206	Mud	91.04	49.870466	0.639624
BNGT311208	VF-F Sand	134.51	44.358475	1.068465
BNGT311212	VF-F Sand	139.53	46.186331	0.850876
BNGT311217	VF-F Sand	149.64	47.796072	1.248811
BNGT311221	M-C Sand	115.5	43.664791	0.718219
BNGT311227	M-C Sand	130.96	49.725128	1.040158
BNGT311232	M-C Sand	129.07	44.680866	1.093468
BNGT311802	Mud	47.08		
BNGT311803	Mud	62.73		
BNGT311806	VF-F Sand	154.45		
BNGT311811	M-C Sand	155.18		
BNGT311815	VF-F Sand	98.17		
BNGT311821	M-C Sand	140.37		
BNGT311826	M-C Sand	135.52		
BNGT311830	M-C Sand	97.55		
BNGT311835	M-C Sand	124.25		
BNGT311837	M-C Sand	137.22		
BNGT312402	Mud	55.37	48.234703	0.591384
BNGT312405	Mud	90.94	48.171788	0.711636
BNGT312408	VF-F Sand	134.39	44.926997	1.06248
BNGT312412	M-C Sand	139.41	45.902647	0.854396
BNGT312417	VF-F Sand	140.13	45.475597	0.915981
BNGT312423	VF-F Sand	156.19	46.731697	1.301001
BNGT312427	VF-F Sand	139.61	45.905663	1.100325
BNGX00102	Mud	113.002	40.1764219	1.6677906
BNGX00103	VF-F Sand	138.05	42.4602125	1.2561122
BNGX00108	VF-F Sand	138.933	42.5374656	1.2308358
BNGX00112	VF-F Sand	212.39	51.0393344	2.6150635
BNGX00114	VF-F Sand	141.209	40.5272563	1.2812144
BNGX00115	VF-F Sand	149.123	44.8890656	1.2689097
BNGX00118	VF-F Sand	151.706	50.2015594	1.5661471
BNGX00120	VF-F Sand	153.508	46.9090938	1.599275
BNGX00124	VF-F Sand	114.231	38.3829844	1.7258639
BNGX00129	VF-F Sand	145.018	43.6931469	1.7105715
BNGX00134	VF-F Sand	126.209	35.675525	1.4312291
BNGX00138	VF-F Sand	155.252	50.4670844	1.5465765
BNGX00143	VF-F Sand	151.312	43.1851125	1.1006783
BNGX00147	VF-F Sand	151.68	48.7920125	1.7494295
BNGX00152	M-C Sand	144.878	49.5243219	1.4782205
BNGX00156	VF-F Sand	148.784	35.9362719	1.2067877
BNGX00161	M-C Sand	171.51	49.9618594	1.1579594
BNGX00166	VF-F Sand	152.389	46.556075	1.3077104
BNGX00202	VF-F Sand	163.546	50.2794125	1.7968365
BNGX00206	VF-F Sand	153.646	51.2460719	1.8737586
BNGX00211	VF-F Sand	153.891	49.3654188	1.3519225
BNGX00215	VF-F Sand	145.543	44.8667906	1.7407959
BNGX00220	VF-F Sand	153.841	49.8134625	1.563364
BNGX00224	VF-F Sand	149.408	48.1386313	1.5102397
BNGX00229	VF-F Sand	156.582	51.1062375	1.380604
BNGX00234	VF-F Sand	146.35	51.00325	1.4975731
BNGX00238	VF-F Sand	133.061	37.9014875	1.1188213
BNGX00243	VF-F Sand	146.329	42.8401688	1.1045476
BNGX00247	VF-F Sand	160.825	45.5228875	1.5535242

Continues on next page

Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGX00252	VF-F Sand	143.428	41.2661344	1.0371553
BNGX00253	VF-F Sand	156.493	49.6869844	1.7574709
BNGX00302	VF-F Sand	164.69	56.25205	1.3858921
BNGX00306	VF-F Sand	146.136	45.8748438	1.1473875
BNGX00311	VF-F Sand	150.561	54.1705625	1.1497364
BNGX00315	VF-F Sand	166.831	59.6240563	1.8629504
BNGX00317	Mud	149.501	46.5270938	1.4600229
BNGX00318	VF-F Sand	156.862	55.831575	1.4873195
BNGX00323	M-C Sand	145.259	57.8752875	1.3729216
BNGX00327	VF-F Sand	149.842	60.4342438	1.7103982
BNGX00332	VF-F Sand	169.422	61.0570188	1.6203356
BNGX00337	VF-F Sand	153.993	59.653225	1.691143
BNGX00346	VF-F Sand	160.028	56.6439188	1.6469242
BNGX00350	VF-F Sand	130.726	42.7287281	1.3448678
BNGX00355	M-C Sand	165.057	56.8546813	1.3748992
BNGX00359	VF-F Sand	160.627	52.2857375	1.4582727
BNGX00361	VF-F Sand	155.894	59.6263875	1.5366375
BNGX00364	VF-F Sand	152.65	57.2529	1.729318
BNGX00366	VF-F Sand	177.244	60.1075625	1.7659285
BNGX00402	VF-F Sand	150.527	56.21485	1.7763494
BNGX00406	VF-F Sand	163.33	58.7910125	1.8221078
BNGX00411	VF-F Sand	147.744	59.2783625	1.3325241
BNGX00415	VF-F Sand	152.284	56.878	1.3966389
BNGX00420	VF-F Sand	155.546	59.7965375	1.6140856
BNGX00424	VF-F Sand	170.488	61.8858375	1.8186266
BNGX00429	VF-F Sand	133.278	54.9432563	1.6646568
BNGX00435	VF-F Sand	158.904	61.8680375	1.7685869
BNGX00438	VF-F Sand	163.799	60.9863188	1.7587613
BNGX00443	VF-F Sand	152.729	62.3714188	1.4503738
BNGX00447	VF-F Sand	155.116	62.5072938	1.5175116
BNGX00452	VF-F Sand	154.67	61.4187438	1.6268953
BNGX00455	VF-F Sand	155.366	63.1562625	1.7461154
BNGX00502	Mud	135.645	39.5791656	1.8803418
BNGX00503	VF-F Sand	160.2	47.6872719	1.5530688
BNGX00508	VF-F Sand	159.59	46.7923125	1.6776172
BNGX00512	VF-F Sand	161.012	47.1090688	0.8636818
BNGX00517	VF-F Sand	155.159	48.0753656	1.1578695
BNGX00521	VF-F Sand	145.573	46.2744656	1.312131
BNGX00526	VF-F Sand	142.315	50.6034594	1.234706
BNGX00530	VF-F Sand	151.752	48.6154781	1.5600236
BNGX00535	VF-F Sand	153.012	52.555025	1.3892703
BNGX00540	VF-F Sand	157.896	50.6973781	1.0147591
BNGX00541	Mud	92.241	38.0305531	0.8507188
BNGX00543	VF-F Sand	155.783	46.1234969	1.2171715
BNGX00547	VF-F Sand	168.98	50.6107875	1.3074329
BNGX00552	VF-F Sand	153.91	46.2721688	1.0923895
BNGX00556	VF-F Sand	165.557	50.2214969	1.3162623
BNGX00561	VF-F Sand	149.549	49.9742875	1.0270951
BNGX00566	VF-F Sand	172.751	46.0648969	1.5036486
BNGX00570	M-C Sand	159.656	48.0207156	1.893883
BNGX00575	M-C Sand	164.56	47.0933906	1.7801584
BNGX00579	M-C Sand	161.185	48.6734875	1.7143738
BNGX00602	Mud	141.63	43.551231	1.442328
BNGX00605	Mud	96.52	42.186806	1.09017
BNGX00606	Mud	121.98	42.496234	1.31217
BNGX00609	Mud	98.05	40.755781	0.994938
BNGX00612	Mud	129.15	43.597341	1.223918
BNGX00614	Mud	117.03	41.048569	1.766986
BNGX00618	Mud	124.66	45.544928	1.316633
BNGX00620	Mud	130.61	44.206747	1.396719
BNGX00621	Mud	136.77	42.135147	1.430266
BNGX00623	Mud	137.97	40.096075	1.721103
BNGX00627	Mud	138.42	44.125103	1.249823
BNGX00630	Mud	109.85	37.0163	1.999772
BNGX00635	Mud	108.99	42.478375	1.066607

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGX00640	Mud	118.52	43.445419	1.055365
BNGX00643	VF-F Sand	150.44	45.487016	1.703309
BNGX00647	VF-F Sand	149.31	45.544041	1.699031
BNGX00702	Mud	90.79	35.944725	0.951335
BNGX00706	Mud	129.57	43.055938	1.418877
BNGX00711	Mud	122.46	45.291091	1.330553
BNGX00712	VF-F Sand	150.13	46.203225	1.620335
BNGX00714	Mud	120.02	43.917678	1.544919
BNGX00718	Mud	158.15	39.205078	1.205063
BNGX00723	Mud	123.63	42.881981	1.042472
BNGX00727	Mud	128.01	42.07255	1.22635
BNGX00732	Mud	126.64	43.55925	1.206754
BNGX00737	VF-F Sand	145.86	44.530594	1.5004
BNGX00741	VF-F Sand	159.15	43.287969	1.016151
BNGX00746	VF-F Sand	169.3	44.427572	1.319494
BNGX00758.5	Mud	122.5	43.365494	1.736748
BNGX00759	VF-F Sand	156.52	45.8751	1.593309
BNGX00764	VF-F Sand	143.75	44.515253	0.839378
BNGX00766	VF-F Sand	167.26	43.624728	1.375327
BNGX00802	VF-F Sand	132.82	51.674356	2.055041
BNGX00805	Mud	115.84	48.024913	2.099255
BNGX00808	Mud	110.35	44.101472	2.242792
BNGX00809	VF-F Sand	140.97	55.2584	1.747832
BNGX00814	VF-F Sand	124.31	46.492791	1.455434
BNGX00818	VF-F Sand	145.64	53.180569	1.315329
BNGX00823	M-C Sand	138.13	56.505194	1.001099
BNGX00824	VF-F Sand	150.67	49.674016	1.398746
BNGX00829	VF-F Sand	160.64	54.984488	1.430278
BNGX00832	VF-F Sand	145.04	55.993981	1.503944
BNGX00837	VF-F Sand	149.28	53.842331	1.654109
BNGX00850	VF-F Sand	133.98	49.182753	1.052162
BNGX00853	VF-F Sand	139.79	46.285078	1.620781
BNGX00859	VF-F Sand	165.93	57.231194	1.473062
BNGX00861	VF-F Sand	122.46	34.583	1.186609
BNGX00902	Mud	128.66	36.679231	1.831198
BNGX00906	VF-F Sand	139.85	50.475331	2.320904
BNGX00911	VF-F Sand	136.27	49.875275	2.034798
BNGX00915	VF-F Sand	122.51	47.325859	1.766335
BNGX00920	VF-F Sand	119.25	46.4697	1.617221
BNGX00923	M-C Sand	118.53	43.992238	0.952962
BNGX00927	VF-F Sand	151.05	45.793209	1.501584
BNGX00932	VF-F Sand	153.52	48.026503	1.342179
BNGX00937	VF-F Sand	154.5	49.801628	1.124911
BNGX00941	VF-F Sand	142.36	44.951059	1.557974
BNGX00943	VF-F Sand	161.49	43.256334	1.587127
BNGX00947	VF-F Sand	148.37	47.434681	1.801525
BNGX00952	VF-F Sand	131.09	38.974206	1.465484
BNGX00956	VF-F Sand	152.18	47.664831	1.503828
BNGX00959	VF-F Sand	142.61	47.439856	1.674108
BNGX00961	VF-F Sand	134.69	42.907559	1.386849
BNGX00963	VF-F Sand	135.76	43.802997	1.883522
BNGX00964	VF-F Sand	132.42	45.573969	1.678073
BNGX01002	Mud	96.42	37.630409	1.544026
BNGX01003	Mud	92.07	28.544622	2.150293
BNGX01005	VF-F Sand	117.83	41.677053	1.568489
BNGX01009	VF-F Sand	130.17	48.458041	1.768287
BNGX01014	VF-F Sand	124.49	42.575378	1.429576
BNGX01018	VF-F Sand	128.32	45.955316	1.301321
BNGX01023	VF-F Sand	119.34	37.718684	1.367949
BNGX01027	VF-F Sand	129.92	42.564556	0.963217
BNGX01034	VF-F Sand	107.17	34.892828	1.15168
BNGX01038	VF-F Sand	147.16	45.013406	1.227314
BNGX01040	VF-F Sand	147.48	43.8939	1.359338
BNGX01043	VF-F Sand	129.22	42.540213	1.19298
BNGX01047	VF-F Sand	135.02	39.226466	1.285392

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Table B.1 – continued from previous page

<i>Sample Name</i>	<i>Field Grain Size</i>	<i>Sr</i>	<i>SiO₂</i>	<i>CaO</i>
BNGX01052	VF-F Sand	140.41	42.810428	1.271629
BNGX01055	VF-F Sand	147.14	46.614909	1.093615
BNGX01102	VF-F Sand	131.13	42.50695	1.415128
BNGX01103	VF-F Sand	153.47	48.258638	1.830459
BNGX01108	VF-F Sand	144.08	41.293553	1.50483
BNGX01112	VF-F Sand	137.12	42.668503	1.430502
BNGX01114	VF-F Sand	122.76	42.802084	1.421497
BNGX01118	VF-F Sand	136.68	43.08355	1.240181
BNGX01123	VF-F Sand	126.62	42.075697	1.558683
BNGX01127	Mud	112.42	39.01685	1.475611
BNGX01132	VF-F Sand	144.86	46.697972	1.187211
BNGX01137	Mud	122.86	40.010184	1.282352
BNGX01138	VF-F Sand	140.99	41.665863	1.366761
BNGX01141	Mud	113.4	40.29905	1.515967
BNGX01146	VF-F Sand	140.03	41.734259	1.600377
BNGX01147	VF-F Sand	132.29	42.442694	1.232452
BNGX01149	VF-F Sand	131.01	40.882416	1.321603
BNGX01150	VF-F Sand	128.65	43.451769	1.155004
BNGX01152	VF-F Sand	121.74	38.638013	1.272163
BNGX01153	VF-F Sand	150.53	43.741728	1.72987
BNGX01159	VF-F Sand	97.18	44.748803	1.002628
BNGX01164	VF-F Sand	128.33	42.35675	1.223543
BNGX01169	VF-F Sand	104.75	46.756822	0.782904

Appendix C

Geochronological data

Table C.1: Geochronological data from borehole samples. Sample names correspond to those in Appendix A and B. Ages measured at National Ocean Sciences Accelerator Mass Spectrometry Facility (NOSAMS) at Woods Hole Oceanographic Institution. All ages calibrated using CALIB 6.0 (Stuiver and Reimer, 1993).

<i>Sample Name</i>	<i>Material</i>	<i>Lab ID</i>	¹⁴ <i>C age BP</i>	<i>error</i>	<i>cal yr BP</i>	<i>2σ upper</i>	<i>2σ lower</i>
BNGA00823-24	Plant/Wood	OS-92971	>Modern		modern		
BNGA02314	Plant/Wood	OS-94369	>Modern		modern		
BNGA02346	Plant/Wood	OS-94364	>Modern		modern		
BNGA02829	Plant/Wood	OS-94329	>Modern		modern		
BNG-A02840	Plant/Wood	OS-94317	7020	35	7863	7785	7940
BNG-A03615	Plant/Wood	OS-94318	390	25	468	428	508
BNG-A03638	Plant/Wood	OS-94328	7980	45	8848	8696	8999
BNG-A05559	Plant/Wood	OS-92939	5800	30	6586	6502	6669
BNGA08134	Plant/Wood	OS-92940	48000		dead		
BNG-A08521	Plant/Wood	OS-94327	8580	45	9558	9484	9631
BNG-A09127	Plant/Wood	OS-94319	405	25	474	435	513
BNG-A09735	Plant/Wood	OS-92981	5980	45	6829	6717	6940
BNG-A09739	Plant/Wood	OS-92941	5930	35	6736	6667	6804
BNG-A10912	Plant/Wood	OS-92942	695	25	665	645	683
BNG-A11008	Plant/Wood	OS-92943	4130	30	4648	4566	4729
BNGA11018	Sediment OrgC	OS-92983	41300	480	dead		
BNG-A11211	Plant/Wood	OS-92995	5510	35	6337	6275	6398
BNGA11456	Plant/Wood	OS-92944	48000		dead		
BNGA11463	Plant/Wood	OS-92970	>Modern		modern		
BNGA12129	Plant/Wood	OS-92987	48000		dead		
BNGA12356	Sediment OrgC	OS-92985	43200	730	dead		
BNG-B00517	Plant/Wood	OS-99280	7710	90	8492	8415	8582
BNG-B00925	Plant/Wood	OS-99281	6890	80	7722	7656	7830
BNG-B01330	Plant/Wood	OS-99282	4400	60	4962	4866	5211
BNGB01779	Plant/Wood	OS-99283	48000		dead		
BNG-B04905	Plant/Wood	OS-99314	5390	60	6217	6026	6284
BNG-B04914	Plant/Wood	OS-99391	8370	110	9392	9255	9519
BNG-B07914	Plant/Wood	OS-99390	6020	80	6863	6747	6959
BNGB07966	Plant/Wood	OS-99315	48000		dead		
BNGB07972	Plant/Wood	OS-99316	48000		dead		
BNG-B08205	Plant/Wood	OS-99317	6050	100	6903	6748	7151
BNGB09824	Plant/Wood	OS-99318	48000		dead		
BNG-C00108	Plant/Wood	OS-99319	3070	50	3298	3218	3360
BNG-C00116	Plant/Wood	OS-99320	7060	90	7892	7794	7966
BNGC00127	Plant/Wood	OS-99321	48000		dead		
BNGC00146	Plant/Wood	OS-99322	48000		dead		
BNG-C00910	Plant/Wood	OS-99323	3340	60	3577	3477	3669
BNG-C00920	Plant/Wood	OS-99324	7190	80	7999	7938	8154
BNGC00940	Plant/Wood	OS-99392	48000		dead		
BNGC00947	Plant/Wood	OS-99393	48000		dead		
BNG-C01305.5	Plant/Wood	OS-99394	5110	60	5817	5750	5923
BNG-C02143	Plant/Wood	OS-99395	7040	100	7877	7757	7965
BNG-C02532	Plant/Wood	OS-99396	5410	70	6233	6031	6293
BNGC02541	Plant/Wood	OS-99397	43500	9400	dead	39359	50000
BNGC02964	Plant/Wood	OS-99455	48000		dead		
BNGC03769	Plant/Wood	OS-99456	40100	7600	dead	37789	50000
BNG-C04956	Plant/Wood	OS-99452	9570	130	10929	10708	11156

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TableC.1 – continued from previous page

<i>Sample Name</i>	<i>Material</i>	<i>Lab ID</i>	¹⁴ <i>C age BP</i>	<i>error</i>	<i>cal yr BP</i>	<i>2σ upper</i>	<i>2σ lower</i>
BNG-C04961	Plant/Wood	OS-99453	10000	140	11494	11245	11767
BNG-C06111	Plant/Wood	OS-99454	5550	70	6346	6292	6402
BNG-C06521	Plant/Wood	OS-99457	5000	70	5728	5645	5891
BNGC07734	Plant/Wood	OS-100344	48000		dead		
BNG-C08121	Plant/Wood	OS-99458	6420	110	7351	7258	7429
BNGC08530	Sediment OrgC	OS-99398	48000		dead		
BNG-D00109	Plant/Wood	OS-103163	5620	35	6397	6311	6472
BNG-D00321	Plant/Wood	OS-102897	6480	35	7381	7316	7459
BNG-D00327	Plant/Wood	OS-102898	6260	30	7208	7156	7266
BNG-D00510	Plant/Wood	OS-102899	5510	30	6304	6221	6397
BNG-D02509	Plant/Wood	OS-106697	4110	50	4626	4526	4810
BNG-D03729.5	Plant/Wood	OS-106698	1560	40	1471	1403	1524
BNG-D03732		OS-110748	1900	35	1847	1734	1923
BNG-D05726.5	Plant/Wood	OS-106699	1530	50	1415	1353	1522
BNG-D06706	Plant/Wood	OS-106700	4540	50	5154	5054	5313
BNG-D06737	Plant/Wood	OS-106701	8850	70	9982	9769	10157
BNG-D07706	Plant/Wood	OS-106702	3100	50	3304	3243	3376
BNG-D08209	Plant/Wood	OS-106703	4430	50	5012	4877	5271
BNG-D08243.5	Plant/Wood	OS-106704	8840	80	9926	9710	10156
BNG-D08508	Plant/Wood	OS-106705	2820	50	2920	2859	2991
BNG-D08809	Plant/Wood	OS-102900	3870	25	4312	4183	4413
BNG-D08844	Plant/Wood	OS-102901	8660	55	9620	9528	9776
BNG-D08847	Plant/Wood	OS-102902	8970	40	10161	9923	10230
BNG-D09109	Plant/Wood	OS-106706	3000	60	3186	3075	3325
BNG-D09409	Plant/Wood	OS-102903	4030	30	4485	4422	4572
BNGD09421	Plant/Wood	OS-102904	47800	750	dead		
BNG-D09435	Plant/Wood	OS-102905	8160	35	9092	9011	9252
BNG-D09809	Plant/Wood	OS-103600	3740	30	4097	3984	4223
BNG-D09812	Plant/Wood	OS-102906	4560	25	5183	5059	5319
BNG-D09820	Plant/Wood	OS-102907	7340	30	8131	8032	8276
BNG-D10015	Plant/Wood	OS-103254	4510	30	5162	5047	5301
BNG-D10020	Plant/Wood	OS-102910	6030	30	6875	6789	6952
BNG-D10024	Plant/Wood	OS-102911	7300	35	8104	8025	8177
BNG-D10211	Plant/Wood	OS-106730	4130	60	4674	4532	4820
BNG-E13114	Plant/Wood	OS-106733	6200	80	7093	6994	7244
BNG-E13209	Plant/Wood	OS-106708	4000	50	4479	4420	4521
BNG-E13606	Plant/Wood	OS-106710	3610	60	3919	3838	3984
BNG-F16020	Plant/Wood	OS-124748	6060	30	6916	6799	6999
BNG-F16532	Plant/Wood	OS-114306	5110	25	5815	5753	5919
BNG-F16552	Plant/Wood	OS-124757	9580	50	10935	10734	11133
BNG-F18727	Plant/Wood	OS-114307	7990	35	8872	8719	9002
BNG-F19240	Plant/Wood	OS-124744	8730	35	9687	9556	9886
BNG-F19249	Plant/Wood	OS-124750	9630	35	10947	10787	11175
BNG-P00034	Plant/Wood	OS-102912	7470	30	8295	8199	8369
BNG-P00043	Plant/Wood	OS-102913	8450	40	9481	9422	9532
BNG-P00312	Plant/Wood	OS-102914	150	25	173	0	283
BNG-P00327	Plant/Wood	OS-102915	3660	25	3983	3901	4083
BNG-P00366	Plant/Wood	OS-102916	8200	35	9158	9030	9270
BNG-P00440	Plant/Wood	OS-102917	3960	30	4431	4296	4520
BNG-P00456	Plant/Wood	OS-102918	9250	40	10425	10275	10554
BNG-P00485	Plant/Wood	OS-102919	9470	40	10713	10581	11065
BNG-P00863	Plant/Wood	OS-102920	8500	35	9507	9470	9537
BNG-P00888	Mollusc	OS-102990	9670	80	11110	10796	11204
BNG-P00906	Plant/Wood	OS-102921	240	25	290	0	421
BNG-P00914	Plant/Wood	OS-102975	4270	60	4845	4728	4873
BNG-P00925	Plant/Wood	OS-102976	7230	70	8039	7970	8160
BNG-P00944	Plant/Wood	OS-102977	7760	70	8542	8448	8598
BNG-P01230	Plant/Wood	OS-102978	7660	70	8446	8395	8539
BNG-P01267	Plant/Wood	OS-102979	8400	90	9437	9303	9518
BNG-P01315	Plant/Wood	OS-102980	2780	80	2878	2778	2966
BNG-P01330	Plant/Wood	OS-102981	7590	70	8396	8346	8432
BNG-P01352	Plant/Wood	OS-102982	8180	80	9121	9020	9261
BNG-P01711	Plant/Wood	OS-102983	4340	60	4907	4845	4972
BNG-P01732	Plant/Wood	OS-102984	7760	80	8538	8433	8600
BNG-P01755	Plant/Wood	OS-102985	7950	80	8823	8646	8983

Continues on next page

TableC.1 – continued from previous page

<i>Sample Name</i>	<i>Material</i>	<i>Lab ID</i>	¹⁴ <i>C age BP</i>	<i>error</i>	<i>cal yr BP</i>	<i>2σ upper</i>	<i>2σ lower</i>
BNGP01761	Plant/Wood	OS-102986	44000	1020	dead	45860	48623
BNG-P02323	Plant/Wood	OS-102987	7170	70	7985	7935	8037
BNG-P02337	Plant/Wood	OS-102988	7860	110	8670	8541	8977
BNG-P02355	Mollusc	OS-102989	3340	60	3577	3477	3677
BNG-P02720	Plant/Wood	OS-103248	6000	35	6840	6747	6934
BNG-P02726	Plant/Wood	OS-103249	7360	35	8177	8040	8309
BNG-S00108	PlantWood	OS-124754	6640	30	7528	7468	7576
BNG-S01211	PlantWood	OS-124753	7100	35	7937	7851	7996
BNG-S01615	PlantWood	OS-124745	7410	30	8255	8178	8323
BNG-S02120	PlantWood	OS-124743	6520	25	7437	7339	7485
BNG-S02411	PlantWood	OS-124752	5950	25	6773	6679	6876
BNG-SH209526.5	PlantWood	OS-124742	2520	20	2593	2498	2738
BNG-SH308535	PlantWood	OS-124756	980	20	912	799	935
BNG-SH308546.5	PlantWood	OS-124751	9030	35	10212	10177	10242
BNG-SH407834	PlantWood	OS-124749	2360	20	2356	2340	2433
BNGSH410020	PlantWood	OS-124746	48000	0	dead		
BNG-SH504118	PlantWood	OS-124758	6500	25	7426	7329	7466
BNG-SH505118	PlantWood	OS-124741	3790	25	4174	4090	4240
BNG-SH506134	PlantWood	OS-124747	5630	35	6410	6317	6481
BNG-SH507117.5	PlantWood	OS-124755	7990	35	8872	8719	9002
BNGSH701011	Plant/Wood	OS-110728	40000	2000	dead	43270	43934
BNG-SH702017	Plant/Wood	OS-110729	4240	30	4831	4654	4668
BNG-SH702521	Plant/Wood	OS-110730	5450	30	6247	6204	6300
BNG-SH703034	Plant/Wood	OS-110731	5020	30	5771	5659	5891
BNG-SH703037	Plant/Wood	OS-110732	5770	35	6573	6487	6659
BNG-SH703556	Plant/Wood	OS-110733	9450	55	10691	10522	11068
BNG-SH705752	Plant/Wood	OS-110734	10050	70	11576	11273	11942
BNG-SH707352	Plant/Wood	OS-111020	9650	210	10982	10392	11649
BNG-SH708064	Plant/Wood	OS-110735	10150	60	11811	11408	12058
BNG-SH708508	Plant/Wood	OS-110736	605	25	604	546	652
BNG-SH708518	Plant/Wood	OS-110737	490	20	522	507	537
BNG-SH708525	Plant/Wood	OS-110738	4640	30	5410	5308	5464
BNG-SH708553	Plant/Wood	OS-110739	9470	55	10723	10572	11070
BNG-SH709514E	Plant/Wood	OS-110740	3730	25	4081	3986	4151
BNG-SH710025	Plant/Wood	OS-110741	5350	35	6133	6002	6271
BNG-SH710558	Plant/Wood	OS-110742	9910	60	11327	11212	11604
BNG-SH712020	Plant/Wood	OS-110743	3860	25	4288	4160	4409
BNG-SH712306E	Plant/Wood	OS-110744	5010	35	5743	5654	5892
BNG-SH712606	Plant/Wood	OS-110745	4530	30	5156	5053	5309
BNG-SH713217	Plant/Wood	OS-110746	3740	35	4096	3982	4227
CHUA29	Plant/Wood	OS-103250	4890	35	5625	5585	5710
JESS46	Plant/Wood	OS-103251	6110	40	6989	6890	7157
JESS76	Plant/Wood	OS-103252	26900	120	31259	31084	31438
KUST24	Plant/Wood	OS-103164	7270	80	8094	8007	8173
NARA20	Plant/Wood	OS-103253	3980	35	4467	4299	4528
NARA29	Plant/Wood	OS-103165	6470	80	7375	7291	7458