

**Physical Properties of Clay-rich Sediments:  
A Database of Deep Sea Drilling Project Results**

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**Abstract**

A database of physical properties for clay-rich sediments has been constructed using Deep Sea Drilling Project results as tabulated in the DSDP Initial Reports, Volumes 1 through 86. The physical properties database has been set up at the Pacific Geoscience Centre.

The database consists of 4299 records. Each record contains a sample identification code, the depth, and whatever values of density, porosity, water content, void ratio (computed from porosity), thermal conductivity, compressional wave velocity, and shear wave velocity as may be available for the sample. In addition, the clay, sand, and carbonate content, expressed in volume per cent, the major clay mineralogy and the tectonic setting are included if available.

The database may be used for studies of clay physical properties and their interrelationships. An example is presented for the variation of water content, density, thermal conductivity, and compressional wave velocity versus porosity.

**Résumé**

Une banque de données des propriétés physiques de sédiments riches en argiles est réalisée en utilisant les résultats du "Deep Sea Drilling Project". Ces données sont issues des Rapports Initiaux du DSDP du volume 1 à 86. Les propriétés physiques ont été compilées au Centre Géoscientifique du Pacifique.

La banque de données consiste en 4299 enregistrements. Chaque enregistrement contient par échantillon, un code d'indentification, la profondeur, et les valeurs de densité, porosité, teneur en eau, indice des vides (calculé d'après la porosité), conductivité thermique, vitesse des ondes P, et vitesse des ondes S quand ces dernières sont disponibles. En plus, la teneur en argile, sable, et carbonate, exprimé en pourcentage volumique, la minéralogie des argiles, et le cadre tectonique sont inclus quand ils sont connus.

La banque de données peut être utilisée pour des études sur les propriétés physiques des argiles ainsi que leurs interactions. Un exemple est donné pour la variation de la teneur en eau, la densité, la conductivité thermique, et la vitesse des ondes P comparés à la porosité.

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## Introduction

The purpose of this Open File Report is to describe the structure and usage of a database that has been constructed at the Pacific Geoscience Centre. The database is made up of 4299 records of physical properties for clay-rich sediments as tabulated in Volumes 1 through 86 of the Initial Reports of the Deep Sea Drilling Project. [See Appendix 1 for a complete list of the volumes used.] The database was built using dBASE III<sup>TM</sup> on an IBM<sup>TM</sup> PC with a hard disk installed. It is highly recommended that a similar configuration be used by any prospective user, since the database alone requires about 400 kilobytes of data storage.

Before describing the structure of the database, some definitions and parameters must be specified. Unless a reference is explicitly named, the reader is referred to the DSDP volumes where the specific techniques for determination of the physical properties are described. For our purposes, a clay-rich sediment is defined as a sediment with at least 30 per cent clay content and at most 20 per cent sand content by volume as determined by grain size or smear slide analyses. This definition is graphically illustrated in Figure 1a. The distribution of data points for which both clay and sand content is available is shown in Figure 1b. Grain size or smear slide analyses are tabulated only for about 10 per cent of the records. Samples without explicitly specified clay and sand content were accepted if the lithology was described as clay, silty clay, clayey silt, mud, claystone, silty claystone, clayey siltstone, or mudstone, and if clay and sand content were at least 30 per cent and at most 20 per cent, respectively, in surrounding sections and cores. Some samples that were initially accepted were later rejected when clay and sand content, and lithology were checked, but the rejection rate was less than 1 per cent.

The physical properties from the Deep Sea Drilling Project were based on a number of different types of measurements: gravimetric, rock chunk, syringe, and GRAPE (Gamma-Ray Attenuation Porosity Evaluator). Where possible, gravimetric or rock chunk measurements were used. If neither of these were available, then syringe values were used. GRAPE measurements on the early DSDP legs tended to yield very high values of the porosity (eg. Paulus, 1972). GRAPE results were rarely used for the database.

The DSDP porosity was derived from the water content, using assumed pore fluid (sea water) density of 1.02 to 1.03 grams per



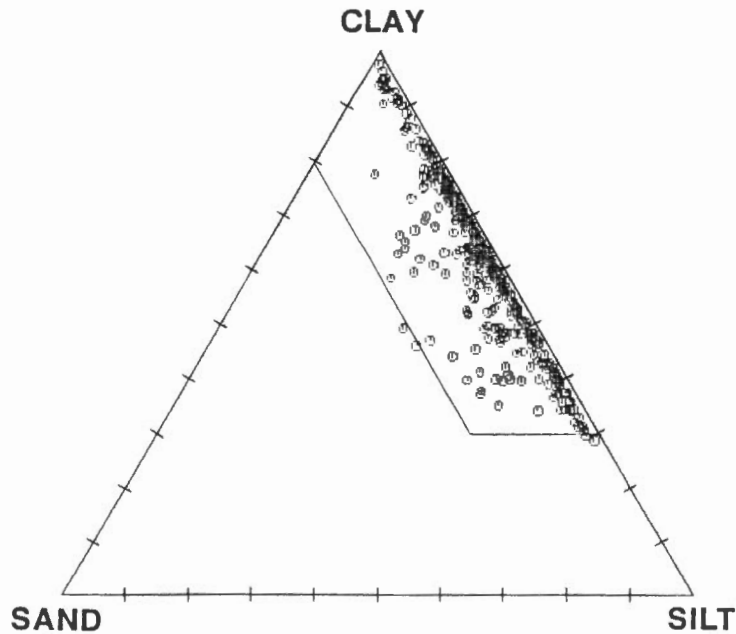
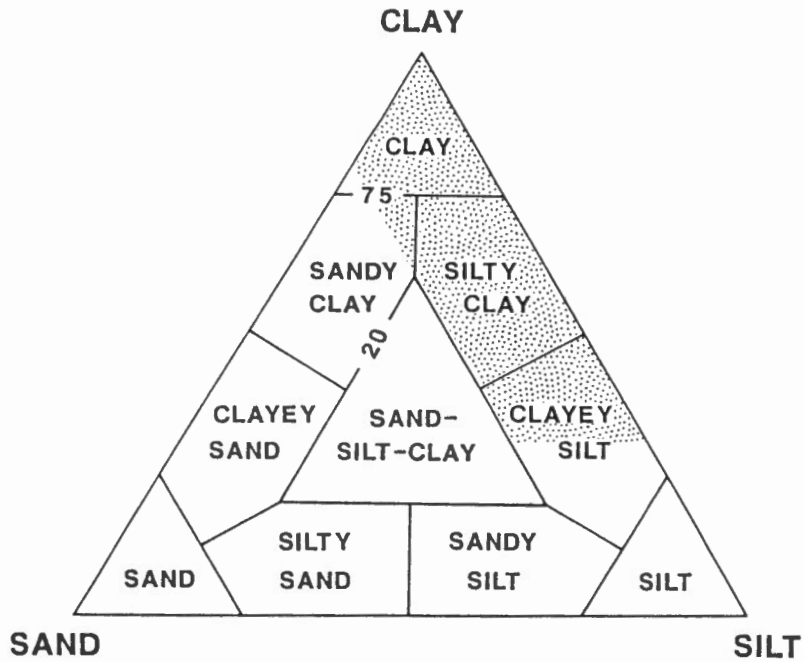


Figure 1. (a, Top) The field of clay content for clay-rich sediments, as used here, shown shaded on a ternary diagram of clay, silt and sand content. (b, Bottom) Most of the data lie well within the clay, silty clay and clayey silt segments, as illustrated for the 402 records for which sand-silt-clay contents are available.

cubic centimetre and grain density 2.65 to 2.73 grams per cubic centimetre. The water content was determined by measuring sample weights before and after drying and in general was corrected for the pore fluid salt content.

The clay mineralogy and the tectonic setting, which will be described in more detail in the next section, are character rather than numeric parameters. The clay mineralogy contains the (ranked) major clay minerals that were found to be present in x-ray diffraction (XRD) analyses. This permits analysis of samples for which certain clay minerals, such as montmorillinite (smectite) or illite, dominate, so that variations with clay mineralogy may be at least qualitatively studied. Similarly, the tectonic setting is used to classify the structural style of a given DSDP Site.

The database has been indexed by sample identification (ID) code and by sample depth. In some cases, the depth was not tabulated; the data were then taken to be representative of a whole core, and the depth was set equal to the depth at the core midpoint. If more than one measurement was available for any core or core section, then the data were averaged to obtain a "representative" value. For example, in many instances, both vertical and horizontal compressional wave (P) velocities were measured. The average velocity is recorded for the sample in the database. The data are listed by sample ID in Appendix 2.

### Database Structure

The database was created on an IBM<sup>TM</sup> PC using dBASE III<sup>TM</sup> installed on a hard disk. Each of the 4299 records that make up the database consists of fourteen "fields":

- (1) Sample ID which is the DSDP Site ID, core number, and section number as SITE-CORE-SECTION, eg. 434-12-2 would correspond to Site 434, Core 12, Section 2;
- (2) Depth in metres below sea floor, usually recorded to the nearest centimetre;
- (3) Bulk Density in grams per cubic centimetre;
- (4) Porosity in volume per cent;
- (5) Water Content in per cent of total weight;
- (6) Void Ratio which is derived from the porosity as the ratio of the pore volume to the dry volume;
- (7) Compressional wave (P) velocity in metres per second;
- (8) Shear wave (S) velocity in metres per second, which was only recorded for Leg 86;
- (9) Thermal Conductivity in watts per metre per Kelvin;
- (10) Sand content in volume per cent as determined from grain size or smear slide analyses;
- (11) Clay content in volume per cent;
- (12) Clay Mineralogy from x-ray diffraction (XRD);
- (13) Carbonate content in volume per cent, either from carbonate bomb or XRD analyses; and
- (14) Tectonic Setting.

Some of the fields require further explanation. In many cases, a sample might not have a tabulated depth. As explained in the **Introduction**, the sample(s) were then assigned to the core, rather than to a specific section. The depth was taken to be the depth of the centre of the core. In other cases, again as mentioned in the **Introduction**, multiple measurements were made for a given section; these values were averaged to obtain one set of values for a given section. The sand-silt-clay contents add up to 100 per cent; thus, given both the sand and clay contents, then the silt content can be computed.

All of the fields are numeric fields except for the Sample ID, the Clay Mineralogy, and the Tectonic Setting, which are character string fields. The Sample ID has already been explained. The clay mineralogy only gives the major clay minerals in a ranked order; the exact percentages are not presented. If a given clay mineral makes up more than 50 per cent of the clay fraction and is at least twice as abundant as the next most common mineral, then only one clay mineral is specified and may be said to dominate the

clay mineralogy. If the above criteria are not met, then the two most abundant clay minerals are considered. If taken together, they make up more than 50 per cent of the clay mineralogy and separately are at least 50 per cent more abundant than the next most common mineral, then those two minerals are listed in order of abundance, with the most abundant mineral listed first. If these criteria still cannot be met, then the process is repeated with the three most abundant clay minerals. If no three minerals can be clearly specified, then the mineralogy is listed as being a "mixed" mineralogy. For example, let us suppose that on the basis of XRD analysis, montmorillinite makes up 35 per cent of the clay fraction, illite makes up 25 per cent, and kaolinite makes up 20 per cent. None of the minerals dominates the clay mineralogy to the extent that half of the clay fraction or more consists of a single mineral type. However, montmorillinite and illite together make up more than half of the clay mineral fraction, but each separately is not more than 50 per cent greater than the kaolinite fraction, since illite is only 25 per cent relatively more abundant than kaolinite. Thus, all three minerals would be listed. The clay mineralogy codes are listed in Table I.

The tectonic setting is the other character field. Codes are used to represent the tectonic and structural style for a given Site. The tectonic styles are divided into basinal and non-basinal forms. The only non-basinal setting is the Accretionary Wedge (code "W"). The other codes, for the basinal settings, are given in Table II.

The database has been named CLAYPROP with the default dBASE III<sup>TM</sup> file type of .DBF, with indices SAMPLE.NDX and CLAYDEPT.NDX for sorting by sample ID and depth, respectively. Any further documentation would be provided with the database diskettes, as outlined in the **Availability** section. The structure of the database is summarised in Table III (page 7).

Table I

Clay Mineralogy Codes

<u>Code</u>	<u>Mineralogy</u>
M	montmorillinite/smectite
I	illite
K	kaolinite
C	chlorite
P	palygorskite/attapulgitite/sepiolite
Pl	plagioclase
Mi	mica
Q	quartzite
ML	"mixed" mineralogy
?	XRD done but mineralogy not tabulated

Table II

Basinal Setting Codes

<u>Code</u>	<u>Setting</u>
A	abyssal plain
CS	convergent margin slope
CT	convergent margin trench
I	intra-arc basin
M	seamount, plateau, bathymetric ridge
PR	passive margin rise
PS	passive margin slope
R	spreading ridge
S	shelf
T	transform

Table III

## CLAYPROP Structure

<u>Field</u>	<u>Field Name</u>	<u>Data Type</u>	<u>Field Width</u>	<u>Number of Decimals</u>
1	SAMPLE ID	Character	11	
2	DEPTH	Numeric	7	2
3	DENSITY	Numeric	7	4
4	POROSITY	Numeric	6	2
5	WATER CONT	Numeric	6	2
6	VOID RATIO	Numeric	8	4
7	P_VELOCITY	Numeric	8	2
8	S_VELOCITY	Numeric	7	2
9	THERM COND	Numeric	7	4
10	SAND	Numeric	6	2
11	CLAY	Numeric	6	2
12	CLAY MINS	Character	6	
13	CARBONATE	Numeric	6	2
14	TECTONICS	Character	2	
	Total Field Width		93	

**Usage: An Example**

To illustrate the use of the database, an example of an application is presented. The database was originally constructed so that physical property calculations for Middle Valley, which is part of the northern Juan de Fuca Ridge, could be compared to some actual measurements. Since no data existed on the physical properties of the deeper sediments in Middle Valley, and only sparse surface coverage was available, data from the Deep Sea Drilling Project were gathered for comparison.

The physical properties were computed from the results of electrical and heat flow surveys that were conducted in the summer of 1984 (Nobes et al., 1986a, and Villinger and Davis, 1984, respectively). The temperature, porosity and thermal conductivity were computed iteratively for a series of depths, integrating down through the sediment section from the sea floor (Nobes et al., 1986b). The water content, bulk density, thermal conductivity, and compressional wave (P) velocity were computed from the porosity using a set of relations defined by (see Nobes et al., 1986b, for details):

$$(1) \text{ Bulk Density: } \rho_b = \rho_w \phi + \rho_g (1-\phi)$$

$$(2) \text{ Water Content: } W = \rho_w \phi / \rho_b$$

$$(3) \text{ Thermal Conductivity: } k = k_w \phi + k_g (1-\phi)$$

$$(4) \text{ P Velocity: } 1/V_p = \phi/V_1 + (1-\phi)/V_2$$

where  $\phi$  is the porosity,  $\rho_w$  is the sea water density, 1.025 grams per cubic centimetre,  $\rho_g$  is the solid (grain) density, 2.7 grams per cubic centimetre,  $k_w$  is the sea water thermal conductivity, 0.6 Watts per metre per Kelvin,  $k_g$  is the solid matrix thermal conductivity, 2.4 Watts per metre per Kelvin,  $V_1$  is the Wood (1941) velocity defined as:

$$\frac{1}{\rho_b V_1^2} = \frac{\phi}{\rho_w V_w^2} + \frac{(1-\phi)}{\rho_g V_g^2}$$

and  $V_2$  is the Wyllie et al. (1956) velocity given by:

$$1/V_2 = \phi/V_w + (1-\phi)/V_g$$

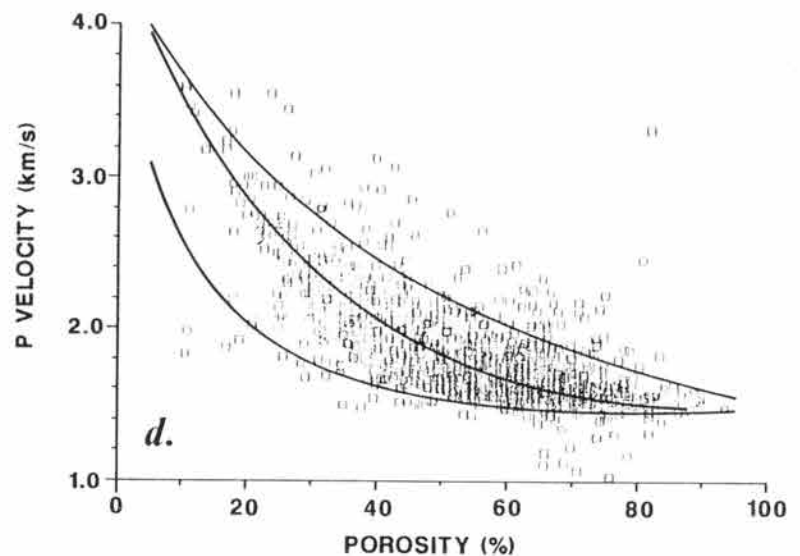
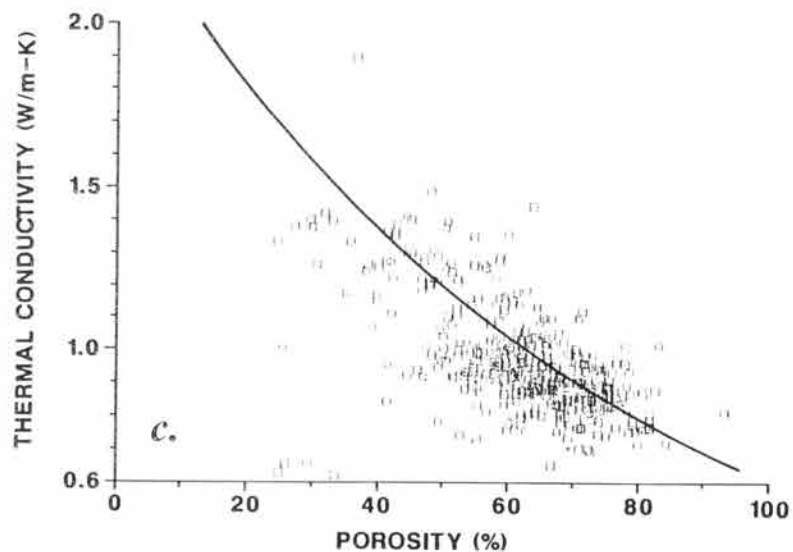
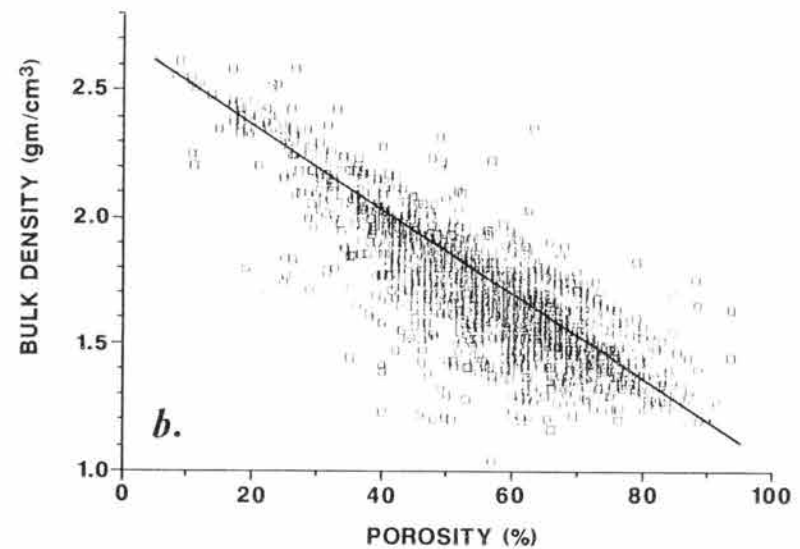
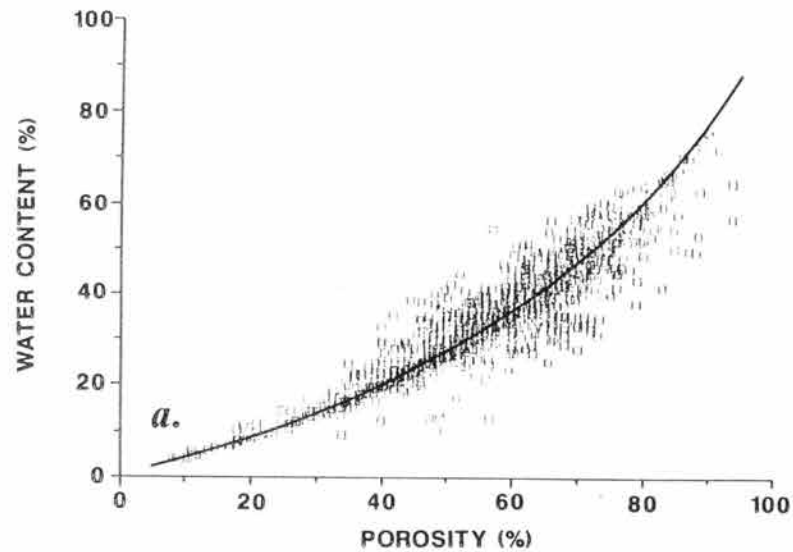


Figure 2. (a, Upper left) water content, in per cent of total weight, versus porosity; (b, Upper right) bulk density versus porosity; (c, Lower left) thermal conductivity versus porosity; and (d, Lower right) compressional wave (P) velocity versus porosity, where the top curve is the Wyllie velocity, the bottom curve is the Wood velocity, and the middle curve is the weighted average of the two.



The sediments in Middle Valley are clay-rich turbidites. The models used to compute the physical properties from the porosity, relations (1) to (4) above, could thus be compared to the values stored in the database for DSDP clay-rich sediment samples. The models could be compared both graphically, as in Figure 2, or statistically. For example, each of the models shown in Figure 2 was tested for the goodness of fit to the corresponding set of data for which both porosity and, say, density data were present. All of the models fit to a very high level of confidence; the thermal conductivity obviously does not fit quite as well as the other models do, but the fit is excellent nonetheless, exceeding the 99 per cent confidence level in a chi-square test.

The models were thus used to compute other physical properties from porosity with some confidence. Other obvious uses may be made of the database. The details are not presented, since much work is in progress. However, the variation of physical properties with clay or carbonate content may be examined, or the correlation between different physical properties, such as thermal conductivity and P velocity, say, may be computed. Table IV gives the number of data points in common for pairs of physical properties. Of course, as the restrictions placed on any given subset increase, then the number of data records satisfying the conditions imposed decreases significantly. For example, there is only one data record for which the clay mineralogy is dominantly illite and at the same time for which values of porosity, clay content, and carbonate content are simultaneously available. However, there are 90 such records for which the clay mineralogy is dominantly montmorillonite. Table V shows the number of data values available for a given tectonic setting.

The list of suggested applications is not meant to be exhaustive. There will of course be many other possible studies. As the database is used, other applications may arise and changes may be required in order to make better use of the data at hand. All comments and suggestions should be addressed to the author.

Table IV

Numbers Available for Physical Property Pairs

Fields *	3	4	5	6	7	8	9	10	11	12	13
3	<b>3405</b>	3245	2748	3245	2115	99	557	413	488	1407	1369
4	3245	<b>3589</b>	3069	3589	2058	99	537	384	454	1402	1316
5	2748	3069	<b>3140</b>	3069	1854	99	378	350	415	1228	1163
6	3245	3589	3069	<b>3589</b>	2058	99	537	384	454	1402	1316
7	2115	2058	1854	2058	<b>2436</b>	99	464	165	180	964	871
8	99	99	99	99	99	<b>103</b>	0	0	0	51	0
9	557	537	378	537	464	0	<b>837</b>	19	20	280	297
10	413	384	350	384	165	0	19	<b>427</b>	402	309	311
11	488	454	415	454	180	0	20	402	<b>505</b>	380	395
12	1407	1402	1228	1402	964	51	280	309	380	<b>1589</b>	1318
13	1369	1316	1163	1316	871	0	297	311	395	1318	<b>1540</b>

\*Field 3=Density  
 4=Porosity  
 5=Water Content  
 6=Void Ratio  
 7=P Velocity  
 8=S Velocity  
 9=Thermal Conductivity  
 10=Sand Content  
 11=Clay Content  
 12=Clay Mineralogy  
 13=Carbonate Content

Note: Fields 1 (Sample ID), 2 (Depth) and 14 (Tectonic Setting) are present for each and every record. Numbers for Clay Mineralogy (12) indicate that the mineralogy is specified. More than a third of the recorded carbonate content values are zero.

Table V

Number of Samples per Tectonic Setting

Fields <sup>1</sup>	Tectonic Settings <sup>2</sup>										
	A	CS	CT	I	M	PR	PS	R	S	T	W
3	1039	1007	145	79	166	598	37	149	119	1	65
4	998	1198	149	64	156	562	37	135	233	1	65
5	936	1055	135	64	133	399	0	121	231	1	65
6	998	1198	149	64	156	562	37	135	233	1	65
7	753	689	144	121	133	415	3	90	22	0	66
8	103	0	0	0	0	0	0	0	0	0	0
9	78	484	106	52	27	30	15	37	0	0	8
10	184	2	0	1	18	123	7	92	0	0	0
11	250	2	0	1	24	123	7	98	0	0	0
12	676	246	155	39	110	234	18	66	10	1	34
13	542	228	149	41	122	326	25	62	10	1	34
<b>Total</b>	<b>1127</b>	<b>1400</b>	<b>168</b>	<b>179</b>	<b>212</b>	<b>679</b>	<b>51</b>	<b>179</b>	<b>235</b>	<b>1</b>	<b>68</b>

1: Field  
 3=Density  
 4=Porosity  
 5=Water Content  
 6=Void Ratio  
 7=P Velocity  
 8=S Velocity  
 9=Thermal Conductivity  
 10=Sand Content  
 11=Clay Content  
 12=Clay Mineralogy  
 13=Carbonate Content

2:Tectonic Settings:  
 A=Abyssal Plain  
 CS=Convergent Margin Slope  
 CT=Convergent Margin Trench  
 I=Intra-arc Basin  
 M=Seamount, Plateau, etc.  
 PR=Passive Margin Rise  
 PS=Passive Margin Slope  
 R=Spreading Ridge  
 S=Shelf  
 T=Transform  
 W=Accretionary Wedge

**Availability**

The database may be obtained by writing to the author of this report. A nominal fee will be charged for materials (i.e. diskettes) and for mailing. Directions for installation on an IBM<sup>TM</sup> PC with dBASE III<sup>TM</sup> and hard disk will also be provided with every set of database diskettes.

The database was set up for the purpose of comparing physical properties of clay-rich sediments with model computations for Middle Valley. Thus, the data coverage is incomplete. The Deep Sea Drilling Project, and its successor the Ocean Drilling Project, have complete sets of physical property data. If the database described in this report is not adequate for the purposes the reader may have in mind, then it is recommended that they contact the DSDP or ODP directly. Please refer to the Initial Reports of the DSDP or to the JOIDES Journal for details regarding data availability. **Please note that any errors or omissions are solely the responsibility of the author.** All communication, positive or otherwise, should be addressed to him.

**Acknowledgments**

I would like to thank G. Horel for assistance in setting up the database, and M.T. Brandon for classifying the tectonic setting and for useful discussions on certain aspects of physical property studies. W. Price and L. Bedard drafted the figures. Le résumé est traduit par B. Blaise. I also benefitted from discussions with R.D. Hyndman, Director of the Pacific Geoscience Centre, and J.B. Boyd, Coordinator of the Boundary Studies Project at the Pacific Geoscience Centre.

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## Appendix 1: Deep Sea Drilling Project Source Volume References

Volume Number	Authors	Year of Publication	Drilling Sites
4	Bader, R.G., Gerard, R.D., et al.	1970	23-31
11	Hollister, C.D., Ewing, J.I., et al.	1972	98-108
19	Creager, J.S., Scholl, D.W., et al.	1973	183-193
22	von der Borch, C.C., Sclater, J.G., et al.	1974	211-218
23	Whitmarsh, R.B., Weser, O.E., Ross, D.A., et al.	1974	219-230
24	Fisher, R.L., Bunce, E.T., et al.	1974	231-238
35	Hollister, C.D., Craddock, C., et al.	1976	322-325
36	Barker, P.F., Dalziel, I.W.D., et al.	1977	326-331
41	Lancelot, Y., Seibold, E., et al.	1978	366-370
42B	Ross, D.A., Neprochov, Y.P., et al.	1978	379-381
43	Tucholke, B.E., Vogt, P.R., et al.	1979	382-387
44	Benson, W.E., Sheridan, R.E., et al.	1978	388-394
47	von Rad, U., Ryan, W.B.F., et al.	1979	397-398
50	Lancelot, Y., Winterer, E.L., et al.	1980	415-416
51-53	Donnelly, T., Francheteau, J., Bryan, W., Robinson, P., Flower, M., Salisbury, M., et al.	1980	417-418
56-57	Scientific Party	1980	434-441
60	Hussong, D.M., Uyeda, S., et al.	1982	452-461
61	Larson, R.L., Schlanger, S.O., et al.	1981	462

## Appendix 1 (continued):

Volume Number	Authors	Year of Publication	Drilling Sites
64	Curray, J.R., Moore, D.G., et al.	1982	474-481
65	Lewis, B.T.R., Robinson, P., et al.	1983	482-485
66	Watkins, J.S., Moore, J.C., et al.	1982	486-493
67	Aubouin, J., von Huene, R., et al.	1982	494-500
72	Barker, P.F., Carlson, R.L., et al.	1983	515
75	Hay, W.W., Sibuet, J.-C., et al.	1984	530-532
76	Sheridan, R.E., Gradstein, F.M., et al.	1983	533-534
77	Buffler, R.T., Schlager, W., et al.	1984	535-540
78A	Biju-Duval, B., Moore, J.C., et al.	1984	541-543
79	Hinz, K., Winterer, E.L., et al.	1984	544-547
84	von Huene, R., Aubouin, J., et al.	1985	565-570
86	Heath, G.R., Burckle, L.H., et al.	1985	576-581



**Appendix 2: Site Sample Coverage**

Below are listed the sites sampled, and the uppermost and lowermost samples used for each site. The tectonic setting is also listed. The comments provide either a specific site location, if such information is easily identified geographically, eg. Falkland Plateau or Red Sea, or a general geographic location or setting is given, eg. West Atlantic continental rise.

Site Number	Depth		Tectonic Setting	Comments
	Range of Sample (m) Top	Bottom		
029B	92.0	92.0	PR	Venezuela Basin
099A	1.0	140.0	PR	W Atlantic rise
101	33.0	74.0	A	Blake-Bahama area
101A	116.0	536.0	A	"
102	1.0	660.0	A	"
103	1.0	250.0	A	"
104	5.0	407.0	A	"
105	32.0	387.0	PR	W Atlantic rise
106	264.0	340.0	PR	"
106B	367.0	958.0	PR	"
183	42.1	262.0	A	N Aleutian Plain
184	336.5	336.5	M	Uninak Plateau
185	664.0	685.0	M	(Bering Sea)
186	14.4	454.1	CS	Aleutian Trench
189	49.5	537.6	I	E Aleutian Arc
190	26.0	428.0	A	Aleutian Basin
191	136.4	173.9	A	Kamchatka Basin
191B	4.2	4.2	A	"
192	0.9	126.0	M	Meiji Seamount
212	14.4	508.8	A	Wharton Basin
217	2.5	122.0	M	90E Ridge
225	2.0	169.0	R	Red Sea
227	91.0	187.0	R	"
228	30.8	232.5	R	"
234	4.8	242.3	A	Gulf of Aden
235	71.3	584.3	A	"
238	388.5	388.5	T	W Indian Ocean
322	76.5	511.9	A	SE Pacific Basin
327A	14.5	460.7	M	Falkland Plateau
328	1.2	396.2	A	"
328B	9.7	472.3	A	"
330	130.2	328.0	M	"

Site Number	Depth		Tectonic Setting	Comments
	Range of Sample (m) Top	Bottom		
367	306.0	838.0	PR	Cape Verde Basin
368	201.0	979.0	M	Cape Verde Rise
370	4.0	1067.0	PR	W of Morocco
379A	3.9	621.8	A	Black Sea
380	5.8	354.9	PR	"
380A	420.9	1074.2	PR	"
381	10.0	500.3	PS	"
382	53.3	469.6	M	Nashville Seamount
385	24.0	355.0	M	Vogel Seamount
386	60.9	958.8	A	Bermuda Rise
387	38.5	578.0	A	"
388A	1.0	338.4	PR	NW Atlantic
391A	88.6	655.9	PR	"
391B	2.6	8.3	PR	"
391C	678.7	1395.4	PR	"
397	826.0	873.5	PR	NW African margin
397A	733.5	1450.5	PR	"
415A	349.1	1032.2	PR	"
416A	602.1	894.2	PR	"
417A	0.7	190.0	A	W North Atlantic
417D	3.5	326.7	A	"
418A	121.6	303.0	A	"
418B	7.3	301.8	A	"
434	7.5	292.6	CS	Japan Trench slope
434B	305.6	628.4	CS	"
435	5.0	63.9	CS	"
436	0.5	388.1	CT	Japan Trench
438A	107.1	862.0	CS	Japan Trench slope
438B	855.1	1035.8	CS	"
439	850.5	984.3	CS	"
440	26.4	64.2	CS	"
440A	83.5	139.0	CS	"
440B	140.2	789.8	CS	"
441	7.5	266.0	CS	"
441A	130.2	653.6	CS	"
441B	336.0	668.6	CS	"
452	4.5	23.3	A	Mariana Is. area
452A	4.3	22.8	A	"
453	2.5	439.8	I	"
454	11.0	36.1	R	Mariana Ridge
454A	1.3	140.5	R	"
455	13.8	23.3	R	"

## Clay Physical Properties Database

Site Number	Depth		Tectonic Setting	Comments
	Range of Sample (m) Top	Bottom		
456A	6.0	96.8	R	Mariana Ridge
458	1.7	152.1	I	Mariana Forearc
459	1.1	550.3	CS	Mariana Foreslope
459B	3.8	544.3	CS	"
460	0.4	57.6	CS	"
460A	12.7	56.6	CS	"
461	0.8	6.3	CS	"
461A	3.0	3.0	CS	"
462	149.7	558.8	A	Nauru Basin
462A	488.2	566.5	A	"
475	20.3	115.3	PS	S Baja California
477	5.8	15.3	R	Guayamas Basin
482A	5.3	30.0	R	East Pacific Rise
482B	49.9	193.3	R	"
482D	75.3	130.6	R	"
483	4.5	155.7	R	"
483B	95.7	232.6	R	"
483C	38.9	106.7	R	"
484	2.0	4.6	R	"
484A	3.9	52.1	R	"
485	2.1	50.0	R	"
485A	59.3	313.2	R	"
487	2.1	160.0	A	N Mid America Trench
488	2.0	201.1	CS	"
489A	1.4	288.1	S	"
490	1.3	580.7	CS	"
491	0.5	533.5	CS	"
492	1.0	239.2	CS	"
492A	0.9	47.6	CS	"
493	120.5	578.7	S	"
493B	17.0	120.7	S	"
494	4.5	32.8	CS	S Mid America Trench
494A	42.3	289.3	CS	"
495	23.8	175.3	A	"
496	4.8	223.3	CS	"
497	3.5	277.8	CS	"
498	1.5	1.5	CS	"
498A	2.3	85.3	CS	"
499	0.5	167.3	CT	"
515B	256.7	634.2	A	Brazil Basin
530A	160.4	1101.2	A	Walvis Ridge
530B	10.9	172.4	A	"

Site Number	Depth		Tectonic Setting	Comments
	Range of Sample (m) Top	Bottom		
532A	131.9	198.4	M	Walvis Ridge
533	1.0	156.0	PR	Blake-Bahama area
533A	192.1	395.7	PR	"
534A	546.8	1633.1	PR	"
535	1.0	514.4	PR	SE Gulf of Mexico
541	7.6	457.7	W	Barbados Ridge
542A	249.2	310.0	W	"
543	2.0	324.0	W	"
543A	332.0	408.0	W	"
545	240.0	514.4	PR	Moroccan margin
547A	433.3	744.9	PR	"
547B	734.9	757.8	PR	"
565	2.5	311.8	CS	Costa Rica Trench
566	0.5	24.4	CS	Guatemala Trench
567A	201.2	278.9	CS	"
568	1.1	415.0	CS	"
569	42.8	250.7	CS	"
569A	247.0	334.1	CS	"
570	19.5	271.0	CS	"
576	5.2	54.0	A	NW Pacific
576B	0.9	48.3	A	"
578	1.3	170.3	A	"
579	2.7	151.8	A	"
579A	17.8	58.4	A	"
580	2.7	153.1	A	"
581	190.1	261.6	A	"

**Appendix 2: Database Listings**

The following appendices contain a printout of all of the data contained in the database CLAYPROP. The listing consists of two parts: the first part includes the Sample ID, Depth, Density, Porosity, Water Content, Void Ratio, Thermal Conductivity, and Tectonic Setting; the second part is a tabulation of the Sample ID, Depth, Sand Content, Clay Content, Clay Mineralogy, Carbonate Content, and the P and S Velocities. The database is also indexed by Depth, but will not be listed by Depth.

As mentioned in the main body of this report, multiple samples for a given core segment have usually been averaged to yield one set of values. In some rare cases, this has not been done because of, for example, a conflict between the tabulated depths. That is, the depths indicated may be apparently from a completely different core segment than the one indicated, and the conflict could not be resolved. These samples have been included for completeness.

## Part 1

Missing values are flagged using -9.9999 or -99.99 or -9999.99. Because of the way in which dBASE III<sup>TM</sup> sorts character data, in this case the Sample ID, the ID codes are not exactly in order. Each single character in turn is tested, rather than a set of characters. For example, the following set of sample ID's have been sorted:

023-12-1  
 023-2-2  
 112-1-2  
 112-10-3  
 112-10-33  
 112-10-4  
 112-2-15  
 112-2-2  
 123-4-2  
 123-4-21  
 239-1-1  
 241-5-5

Between "10" and "2", "10" comes first because "1" comes before "2". The order of sorting is also alpha before numeric.

The following codes are used for the Tectonic Setting:

Code	Non-Basinal Setting
W	accretionary wedge
	<b>Basinal Setting</b>
A	abyssal plain
CS	convergent margin slope
CT	trench basin
I	intra-arc basin
M	seamount, plateau, bathymetric ridge
PR	passive margin rise
PS	passive margin slope
R	spreading ridge basin
S	continental shelf
T	transform fault basin

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
029B-4	92.00	1.5950	64.88	1.8474	-99.99	-9.9999	PR
099A-1-1	1.00	1.5100	65.00	1.8571	43.00	-9.9999	PR
099A-1-2	2.00	1.4400	64.00	1.7778	45.00	-9.9999	PR
099A-1-3	4.00	1.4100	72.00	2.5714	51.00	-9.9999	PR
099A-1-5	7.00	1.4100	65.70	1.9155	-99.99	-9.9999	PR
099A-2-1	16.00	1.3600	72.00	2.5714	53.00	-9.9999	PR
099A-2-2	17.00	1.4000	71.00	2.4483	51.00	-9.9999	PR
099A-2-3	19.00	1.3900	71.00	2.4483	51.00	-9.9999	PR
099A-2-5	22.00	1.4900	75.00	3.0000	50.00	-9.9999	PR
099A-2-6	23.00	1.4300	69.00	2.2258	48.00	-9.9999	PR
099A-8-1	95.00	1.8300	42.00	0.7241	23.00	-9.9999	PR
099A-9-1	132.00	1.9400	41.00	0.6949	21.00	-9.9999	PR
099A-9-6	140.00	1.8500	44.00	0.7857	24.00	-9.9999	PR
101-1-1	33.00	1.4700	71.00	2.4483	49.00	-9.9999	A
101-1-2	34.00	1.4400	66.00	1.9412	46.00	-9.9999	A
101-1-3	36.00	1.4900	66.00	1.9412	44.00	-9.9999	A
101-1-4	37.00	1.4600	63.00	1.7027	43.00	-9.9999	A
101-1-5	39.00	1.3900	59.00	1.4390	42.00	-9.9999	A
101-1-6	40.00	1.4600	64.00	1.7778	43.00	-9.9999	A
101-2-1	68.00	1.3600	73.00	2.7037	54.00	-9.9999	A
101-2-2	69.00	1.2900	65.00	1.8571	50.00	-9.9999	A
101-2-3	71.00	1.5400	64.00	1.7778	42.00	-9.9999	A
101-2-4	72.00	1.6500	63.00	1.7027	38.00	-9.9999	A
101-2-5	74.00	1.5600	59.00	1.4390	38.00	-9.9999	A
101A-1-1	116.00	1.4900	61.00	1.5641	41.00	-9.9999	A
101A-1-2	117.00	1.6000	56.00	1.2727	35.00	-9.9999	A
101A-1-3	119.00	1.6700	55.00	1.2222	33.00	-9.9999	A
101A-2-1	157.00	1.5000	60.00	1.5000	40.00	-9.9999	A
101A-2-2	158.00	1.6800	62.00	1.6316	37.00	-9.9999	A
101A-2-3	160.00	1.6800	56.00	1.2727	33.00	-9.9999	A
101A-2-4	161.00	1.5800	52.00	1.0833	33.00	-9.9999	A
101A-2-5	163.00	1.6500	54.00	1.1739	33.00	-9.9999	A
101A-2-6	164.00	1.6100	55.00	1.2222	34.00	-9.9999	A
101A-3-1	195.00	1.5600	59.00	1.4390	38.00	-9.9999	A
101A-3-2	196.00	1.6600	55.00	1.2222	33.00	-9.9999	A
101A-4-1	251.00	1.6900	53.00	1.1277	31.00	-9.9999	A
101A-5-2	310.00	1.5000	59.00	1.4390	39.00	-9.9999	A
101A-8-1	535.00	1.8700	37.60	0.6026	-99.99	-9.9999	A
101A-8-2	536.00	1.8600	37.60	0.6026	-99.99	-9.9999	A
102-1-1	1.00	1.3500	67.00	2.0303	-99.99	-9.9999	A
102-1-2	2.00	1.4100	79.00	3.7619	56.00	-9.9999	A
102-1-3	4.00	1.4500	70.00	2.3333	48.00	-9.9999	A
102-1-5	7.00	1.4000	69.00	2.2258	49.00	-9.9999	A
102-1-6	8.00	1.4400	61.00	1.5641	-99.99	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
102-10-1	307.00	1.5100	46.00	0.8519	30.00	-9.9999	A
102-10-2	308.00	1.6400	53.00	1.1277	32.00	-9.9999	A
102-10-3	309.00	1.6500	57.00	1.3256	34.00	-9.9999	A
102-10-4	311.00	1.5700	55.00	1.2222	35.00	-9.9999	A
102-10-5	312.00	1.5700	45.00	0.8182	29.00	-9.9999	A
102-10-6	314.00	1.6300	52.00	1.0833	32.00	-9.9999	A
102-11-1	353.00	1.5700	53.00	1.1277	33.00	-9.9999	A
102-11-2	354.00	1.6000	46.00	0.8519	28.00	-9.9999	A
102-11-3	357.00	1.3900	40.00	0.6667	29.00	-9.9999	A
102-12-1	419.00	1.7300	53.00	1.1277	30.00	-9.9999	A
102-12-2	421.00	1.7700	49.00	0.9608	27.00	-9.9999	A
102-12-3	422.00	1.6600	52.00	1.0833	32.00	-9.9999	A
102-12-4	424.00	1.6900	48.00	0.9231	29.00	-9.9999	A
102-13-1	473.00	1.6800	50.00	1.0000	30.00	-9.9999	A
102-13-2	475.00	1.7800	45.00	0.8182	25.00	-9.9999	A
102-13-3	477.00	1.6600	46.00	0.8519	28.00	-9.9999	A
102-13-4	478.00	1.8000	43.00	0.7544	24.00	-9.9999	A
102-14-1	512.00	1.6700	47.00	0.8868	28.00	-9.9999	A
102-15-1	549.00	1.5800	40.00	0.6667	25.00	-9.9999	A
102-16-1	584.00	1.5500	43.00	0.7544	28.00	-9.9999	A
102-17-1	618.00	1.6700	49.00	0.9608	29.00	-9.9999	A
102-18-1	635.00	1.6300	45.00	0.8182	28.00	-9.9999	A
102-18-2	636.00	1.6700	40.00	0.6667	24.00	-9.9999	A
102-18-3	637.00	1.8100	41.00	0.6949	22.00	-9.9999	A
102-18-4	639.00	1.7700	41.00	0.6949	23.00	-9.9999	A
102-19-1	660.00	1.6600	45.00	0.8182	27.00	-9.9999	A
102-2-1	19.00	1.3300	68.00	2.1250	-99.99	-9.9999	A
102-2-2	20.00	1.4400	75.00	3.0000	52.00	-9.9999	A
102-2-3	21.00	1.4200	72.00	2.5714	51.00	-9.9999	A
102-2-4	23.00	1.3800	66.00	1.9412	48.00	-9.9999	A
102-2-5	24.00	1.4200	63.00	1.7027	45.00	-9.9999	A
102-2-6	26.00	1.3800	72.00	2.5714	52.00	-9.9999	A
102-3-1	59.00	1.4400	68.00	2.1250	47.00	-9.9999	A
102-3-2	60.00	1.4900	66.00	1.9412	44.00	-9.9999	A
102-4-3	99.00	1.7200	56.00	1.2727	32.00	-9.9999	A
102-4-4	101.00	1.7200	58.00	1.3810	34.00	-9.9999	A
102-5-1	133.00	1.5400	59.00	1.4390	38.00	-9.9999	A
102-5-2	135.00	1.5800	55.00	1.2222	35.00	-9.9999	A
102-5-3	136.00	1.4300	51.00	1.0408	36.00	-9.9999	A
102-5-4	138.00	1.7600	53.00	1.1277	30.00	-9.9999	A
102-5-5	139.00	1.6200	49.00	0.9608	30.00	-9.9999	A
102-5-6	141.00	1.6300	52.00	1.0833	32.00	-9.9999	A
102-6-1	172.00	1.4300	50.00	1.0000	35.00	-9.9999	A
102-6-2	174.00	1.7700	42.00	0.7241	23.00	-9.9999	A



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
102-6-4	177.00	1.4100	53.00	1.1277	38.00	-9.9999	A
102-6-5	178.00	1.5000	62.00	1.6316	41.00	-9.9999	A
102-6-6	180.00	1.5300	62.00	1.6316	41.00	-9.9999	A
102-7-1	181.00	1.5500	58.00	1.3810	37.00	-9.9999	A
102-7-2	183.00	1.5200	58.00	1.3810	38.00	-9.9999	A
102-7-3	184.00	1.5400	53.00	1.1277	34.00	-9.9999	A
102-7-4	186.00	1.8900	44.00	0.7857	23.00	-9.9999	A
102-7-5	187.00	1.3800	47.00	0.8868	34.00	-9.9999	A
102-7-6	189.00	1.4300	46.00	0.8519	32.00	-9.9999	A
102-8-1	219.00	1.5300	58.00	1.3810	38.00	-9.9999	A
102-8-2	221.00	1.5800	62.00	1.6316	39.00	-9.9999	A
102-8-3	223.00	1.5500	56.00	1.2727	36.00	-9.9999	A
102-8-4	224.00	1.5800	61.00	1.5641	38.00	-9.9999	A
102-8-5	225.00	1.4900	59.00	1.4390	39.00	-9.9999	A
102-8-6	227.00	1.5800	59.00	1.4390	37.00	-9.9999	A
102-9-1	267.00	1.7100	53.00	1.1277	31.00	-9.9999	A
102-9-2	268.00	1.7000	50.00	1.0000	29.00	-9.9999	A
102-9-3	269.00	1.7100	51.00	1.0408	30.00	-9.9999	A
102-9-4	271.00	1.7000	53.00	1.1277	31.00	-9.9999	A
102-9-5	272.00	1.6800	47.00	0.8868	28.00	-9.9999	A
103-1-1	1.00	1.3300	49.00	0.9608	37.00	-9.9999	A
103-1-2	2.00	1.4500	64.00	1.7778	44.00	-9.9999	A
103-1-3	4.00	1.3600	67.00	2.0303	49.00	-9.9999	A
103-1-4	5.00	1.3400	68.00	2.1250	50.00	-9.9999	A
103-1-5	7.00	1.4500	67.00	2.0303	46.00	-9.9999	A
103-1-6	8.00	1.4500	66.00	1.9412	46.00	-9.9999	A
103-2-1	40.00	1.3000	60.00	1.5000	46.00	-9.9999	A
103-2-2	41.00	1.5800	68.00	2.1250	43.00	-9.9999	A
103-2-3	43.00	1.4400	64.00	1.7778	44.00	-9.9999	A
103-2-4	44.00	1.5700	60.00	1.5000	38.00	-9.9999	A
103-2-5	46.00	1.5500	59.00	1.4390	38.00	-9.9999	A
103-3-1	94.00	1.4100	62.00	1.6316	44.00	-9.9999	A
103-3-2	96.00	1.4400	59.00	1.4390	41.00	-9.9999	A
103-3-3	97.00	1.3700	57.00	1.3256	42.00	-9.9999	A
103-3-4	99.00	1.5200	62.00	1.6316	41.00	-9.9999	A
103-3-5	100.00	1.5200	64.00	1.7778	42.00	-9.9999	A
103-3-6	102.00	1.5200	60.00	1.5000	39.00	-9.9999	A
103-4-2	172.00	1.4300	76.00	3.1667	53.00	-9.9999	A
103-4-3	173.00	1.4200	62.00	1.6316	44.00	-9.9999	A
103-4-4	175.00	1.4600	55.00	1.2222	37.00	-9.9999	A
103-4-5	176.00	1.5200	58.00	1.3810	38.00	-9.9999	A
103-5-1	248.00	1.5700	53.00	1.1277	34.00	-9.9999	A
103-5-3	250.00	1.6900	47.00	0.8868	28.00	-9.9999	A
104-1-4	5.00	1.4600	69.00	2.2258	47.00	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
104-1-5	7.00	1.4000	70.00	2.3333	50.00	-9.9999	A
104-1-6	8.00	1.3900	70.00	2.3333	50.00	-9.9999	A
104-2-1	37.00	1.4200	67.00	2.0303	47.00	-9.9999	A
104-2-2	38.00	1.4900	64.00	1.7778	43.00	-9.9999	A
104-2-3	39.00	1.5900	68.00	2.1250	43.00	-9.9999	A
104-2-4	41.00	1.5800	64.00	1.7778	40.00	-9.9999	A
104-2-5	42.00	1.4700	60.00	1.5000	40.00	-9.9999	A
104-2-6	44.00	1.5800	61.00	1.5641	39.00	-9.9999	A
104-3-1	62.00	1.3700	74.00	2.8462	54.00	-9.9999	A
104-3-2	64.00	1.2900	71.00	2.4483	55.00	-9.9999	A
104-3-3	65.00	1.2900	74.00	2.8462	57.00	-9.9999	A
104-3-4	67.00	1.1600	66.00	1.9412	57.00	-9.9999	A
104-3-6	70.00	1.2600	69.00	2.2258	55.00	-9.9999	A
104-4-1	133.00	1.3500	57.00	1.3256	42.00	-9.9999	A
104-4-3	136.00	1.4400	67.00	2.0303	47.00	-9.9999	A
104-4-4	138.00	1.4300	67.00	2.0303	47.00	-9.9999	A
104-4-5	139.00	1.4200	67.00	2.0303	47.00	-9.9999	A
104-4-6	140.00	1.3900	66.00	1.9412	48.00	-9.9999	A
104-6-1	219.00	1.3400	62.00	1.6316	46.00	-9.9999	A
104-6-2	221.00	1.4500	70.00	2.3333	48.00	-9.9999	A
104-6-3	222.00	1.3400	62.00	1.6316	47.00	-9.9999	A
104-6-4	224.00	1.3700	62.00	1.6316	45.00	-9.9999	A
104-6-5	225.00	1.4100	66.00	1.9412	47.00	-9.9999	A
104-7-1	306.00	1.4500	64.00	1.7778	44.00	-9.9999	A
104-7-2	308.00	1.4000	59.00	1.4390	42.00	-9.9999	A
104-7-3	309.00	1.5300	62.00	1.6316	40.00	-9.9999	A
104-7-4	311.00	1.5200	63.00	1.7027	41.00	-9.9999	A
104-8-1	402.00	1.6500	64.00	1.7778	39.00	-9.9999	A
104-8-2	403.00	1.2200	46.00	0.8519	38.00	-9.9999	A
104-8-3	404.00	1.2000	48.00	0.9231	40.00	-9.9999	A
104-8-4	406.00	1.4100	56.00	1.2727	39.00	-9.9999	A
104-8-5	407.00	1.2900	50.00	1.0000	39.00	-9.9999	A
105-10-1	296.00	1.5100	63.00	1.7027	42.00	-9.9999	PR
105-10-2	297.00	1.7500	45.20	0.8248	-99.99	-9.9999	PR
105-11-1	305.00	1.6800	51.20	1.0492	-99.99	-9.9999	PR
105-11-2	306.00	1.6900	50.20	1.0080	-99.99	-9.9999	PR
105-11-3	308.00	1.6700	51.20	1.0492	-99.99	-9.9999	PR
105-11-4	309.00	1.6900	50.20	1.0080	-99.99	-9.9999	PR
105-11-5	311.00	1.6700	51.20	1.0492	-99.99	-9.9999	PR
105-12-1	314.00	1.4900	54.00	1.1739	36.00	-9.9999	PR
105-12-2	315.00	1.7500	45.00	0.8182	28.00	-9.9999	PR
105-12-3	317.00	1.7400	54.00	1.1739	31.00	-9.9999	PR
105-12-4	318.00	1.8400	57.00	1.3256	31.00	-9.9999	PR
105-14-1	349.00	1.5900	57.20	1.3364	-99.99	-9.9999	PR

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
105-15-1	367.00	1.4100	59.00	1.4390	41.00	-9.9999	PR
105-15-2	368.00	1.4400	61.00	1.5641	42.00	-9.9999	PR
105-15-3	370.00	1.6800	54.20	1.1834	-99.99	-9.9999	PR
105-15-4	371.00	1.6800	54.20	1.1834	-99.99	-9.9999	PR
105-15-5	373.00	1.7100	52.20	1.0921	-99.99	-9.9999	PR
105-15-6	374.00	1.6700	55.20	1.2321	-99.99	-9.9999	PR
105-16-1	386.00	1.4600	68.20	2.1447	-99.99	-9.9999	PR
105-16-2	387.00	1.5900	59.20	1.4510	-99.99	-9.9999	PR
105-2-1	32.00	1.5600	55.00	1.2222	35.00	-9.9999	PR
105-2-2	33.00	1.8300	57.00	1.3256	31.00	-9.9999	PR
105-2-3	35.00	1.6900	59.00	1.4390	35.00	-9.9999	PR
105-3-1	92.00	1.5900	56.00	1.2727	35.00	-9.9999	PR
105-3-2	93.00	1.6400	63.00	1.7027	38.00	-9.9999	PR
105-3-3	95.00	1.6300	56.00	1.2727	34.00	-9.9999	PR
105-3-4	96.00	1.6300	55.00	1.2222	33.00	-9.9999	PR
105-4-1	185.00	1.5700	63.00	1.7027	40.00	-9.9999	PR
105-4-2	186.00	1.5600	53.00	1.1277	34.00	-9.9999	PR
105-4-3	188.00	1.6800	55.00	1.2222	33.00	-9.9999	PR
105-4-4	189.00	1.3600	46.00	0.8519	34.00	-9.9999	PR
105-4-5	191.00	1.6900	52.00	1.0833	31.00	-9.9999	PR
105-4-6	192.00	1.4700	42.00	0.7241	28.00	-9.9999	PR
105-5-1	242.00	1.6800	61.00	1.5641	36.00	-9.9999	PR
105-5-2	243.00	1.6500	56.00	1.2727	34.00	-9.9999	PR
105-5-3	245.00	1.5800	63.20	1.7174	-99.99	-9.9999	PR
105-6-1	251.00	1.7200	52.00	1.0833	30.00	-9.9999	PR
105-6-2	252.00	1.6000	45.00	0.8182	28.00	-9.9999	PR
105-7-6	267.00	1.7800	47.00	0.8868	26.00	-9.9999	PR
105-8-1	269.00	1.7500	52.00	1.0833	30.00	-9.9999	PR
105-8-2	270.00	1.7800	48.00	0.9231	27.00	-9.9999	PR
105-8-3	272.00	1.7500	54.00	1.1739	31.00	-9.9999	PR
105-8-4	273.00	1.7800	48.00	0.9231	27.00	-9.9999	PR
105-9-1	287.00	1.8900	43.00	0.7544	23.00	-9.9999	PR
105-9-2	288.00	1.7100	44.00	0.7857	26.00	-9.9999	PR
105-9-3	290.00	1.7200	48.00	0.9231	28.00	-9.9999	PR
105-9-4	291.00	1.5800	62.20	1.6455	-99.99	-9.9999	PR
105-9-5	293.00	1.6900	56.20	1.2831	-99.99	-9.9999	PR
105-9-6	294.00	1.7000	49.20	0.9685	-99.99	-9.9999	PR
106-5-1	264.00	1.6800	60.00	1.5000	36.00	-9.9999	PR
106-5-2	265.00	1.7400	47.00	0.8868	27.00	-9.9999	PR
106-5-3	267.00	1.6200	51.00	1.0408	32.00	-9.9999	PR
106-6-1	340.00	1.6100	50.00	1.0000	31.00	-9.9999	PR
106-6-6	227.00	1.4000	61.00	1.5641	44.00	-9.9999	PR
106B-1-1	367.00	1.5400	56.00	1.2727	-99.99	-9.9999	PR
106B-1-2	368.00	1.5700	54.00	1.1739	-99.99	-9.9999	PR

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
106B-1-3	370.00	1.6100	52.00	1.0833	-99.99	-9.9999	PR
106B-2-1	452.00	1.5800	55.00	1.2222	-99.99	-9.9999	PR
106B-2-2	453.00	1.6500	52.00	1.0833	-99.99	-9.9999	PR
106B-2-3	455.00	1.7500	46.00	0.8519	-99.99	-9.9999	PR
106B-2-4	456.00	1.7900	44.00	0.7857	-99.99	-9.9999	PR
106B-3-1	554.00	1.7200	48.00	0.9231	-99.99	-9.9999	PR
106B-3-2	555.00	1.7300	48.00	0.9231	-99.99	-9.9999	PR
106B-3-3	557.00	1.7600	46.00	0.8519	-99.99	-9.9999	PR
106B-3-4	558.00	1.7800	45.00	0.8182	-99.99	-9.9999	PR
106B-3-5	560.00	1.7500	46.00	0.8519	-99.99	-9.9999	PR
106B-3-6	561.00	1.7800	45.00	0.8182	-99.99	-9.9999	PR
106B-4-1	755.00	1.5200	55.00	1.2222	-99.99	-9.9999	PR
106B-4-2	756.00	1.7300	42.00	0.7241	-99.99	-9.9999	PR
106B-4-3	758.00	1.7700	39.00	0.6393	-99.99	-9.9999	PR
106B-4-4	759.00	1.8500	35.00	0.5385	-99.99	-9.9999	PR
106B-5-1	936.00	1.7100	44.00	0.7857	-99.99	-9.9999	PR
106B-5-2	937.00	1.6800	45.00	0.8182	-99.99	-9.9999	PR
106B-5-3	939.00	1.6200	49.00	0.9608	-99.99	-9.9999	PR
106B-5-4	940.00	1.6500	47.00	0.8868	-99.99	-9.9999	PR
106B-5-5	942.00	1.6400	48.00	0.9231	-99.99	-9.9999	PR
106B-5-6	943.00	1.7200	43.00	0.7544	-99.99	-9.9999	PR
106B-6-1	955.00	1.6200	51.00	1.0408	-99.99	-9.9999	PR
106B-6-2	956.00	1.7500	44.00	0.7857	-99.99	-9.9999	PR
106B-6-3	958.00	1.7000	47.00	0.8868	-99.99	-9.9999	PR
183-11-2	101.50	1.5800	-99.99	-9.9999	-99.99	-9.9999	A
183-11-4	104.10	1.4500	-99.99	-9.9999	-99.99	-9.9999	A
183-12-2	120.10	1.5600	-99.99	-9.9999	-99.99	-9.9999	A
183-12-4	123.40	1.3900	-99.99	-9.9999	-99.99	-9.9999	A
183-13-4	132.10	1.3100	-99.99	-9.9999	-99.99	-9.9999	A
183-17-6	171.80	1.3000	-99.99	-9.9999	59.97	-9.9999	A
183-18	178.00	1.3100	-99.99	-9.9999	-99.99	-9.9999	A
183-19	187.50	1.3100	-99.99	-9.9999	-99.99	-9.9999	A
183-21	205.50	1.3400	-99.99	-9.9999	-99.99	-9.9999	A
183-22	215.00	1.8500	-99.99	-9.9999	-99.99	-9.9999	A
183-23-2	222.70	1.8000	-99.99	-9.9999	-99.99	-9.9999	A
183-26-2	249.30	1.8400	-99.99	-9.9999	-99.99	-9.9999	A
183-27	262.00	1.7800	-99.99	-9.9999	-99.99	-9.9999	A
183-6-2	42.10	1.5000	-99.99	-9.9999	-99.99	-9.9999	A
183-6-4	45.40	1.4800	-99.99	-9.9999	-99.99	-9.9999	A
183-7-2	51.10	1.4100	-99.99	-9.9999	-99.99	-9.9999	A
183-7-4	54.25	1.4600	-99.99	-9.9999	-99.99	-9.9999	A
183-9-4	73.33	1.6500	-99.99	-9.9999	-99.99	-9.9999	A
184-12-3	336.50	-9.9999	-99.99	-9.9999	-99.99	0.9837	M
185-20-2	664.00	-9.9999	-99.99	-9.9999	-99.99	0.9125	M

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
185-20-3	666.00	-9.9999	-99.99	-9.9999	-99.99	0.9125	M
185-20-4	667.00	-9.9999	-99.99	-9.9999	-99.99	0.8121	M
185-20-6	670.00	-9.9999	-99.99	-9.9999	-99.99	1.1428	M
185-21-1	672.00	-9.9999	-99.99	-9.9999	-99.99	1.2181	M
185-21-2	673.00	-9.9999	-99.99	-9.9999	-99.99	1.1470	M
185-21-3	675.00	-9.9999	-99.99	-9.9999	-99.99	1.1553	M
185-23-1	684.00	-9.9999	-99.99	-9.9999	-99.99	1.2642	M
185-23-2	685.00	1.6500	-99.99	-9.9999	-99.99	1.1470	M
186-19-4	454.10	1.8400	-99.99	-9.9999	-99.99	-9.9999	CS
186-3-3	14.40	1.5200	-99.99	-9.9999	44.30	-9.9999	CS
186-8	137.50	1.7250	-99.99	-9.9999	-99.99	-9.9999	CS
189-10-1	537.60	1.9400	-99.99	-9.9999	-99.99	-9.9999	I
189-3	49.50	1.5700	-99.99	-9.9999	-99.99	-9.9999	I
189-4-4	88.25	1.5600	-99.99	-9.9999	-99.99	-9.9999	I
189-5-4	152.40	1.5500	-99.99	-9.9999	-99.99	-9.9999	I
189-6-2	213.70	1.5800	-99.99	-9.9999	-99.99	-9.9999	I
189-7	300.50	1.5800	-99.99	-9.9999	-99.99	-9.9999	I
190-10-2	152.00	1.4100	-99.99	-9.9999	-99.99	1.2432	A
190-11-2	199.00	1.5200	-99.99	-9.9999	-99.99	1.1302	A
190-11-4	202.00	1.4600	-99.99	-9.9999	-99.99	0.8665	A
190-12-2	227.00	-9.9999	-99.99	-9.9999	-99.99	0.9963	A
190-12-4	230.00	1.4900	-99.99	-9.9999	-99.99	1.0339	A
190-13-3	332.00	-9.9999	-99.99	-9.9999	-99.99	0.8037	A
190-14-5	428.00	-9.9999	-99.99	-9.9999	-99.99	0.7828	A
190-4-2	26.00	1.5500	-99.99	-9.9999	43.50	0.9084	A
190-5-2	35.00	-9.9999	-99.99	-9.9999	-99.99	0.8456	A
190-6-2	45.00	-9.9999	-99.99	-9.9999	-99.99	0.9712	A
190-7-2	77.00	1.6400	-99.99	-9.9999	-99.99	1.1093	A
190-8-4	89.00	1.6100	-99.99	-9.9999	39.90	1.1051	A
190-9-2	114.00	1.6200	-99.99	-9.9999	-99.99	1.0925	A
191-5-2	136.40	1.7400	-99.99	-9.9999	32.48	-9.9999	A
191-5-4	139.70	1.7400	-99.99	-9.9999	-99.99	-9.9999	A
191-6-2	173.90	1.6700	-99.99	-9.9999	-99.99	-9.9999	A
191B-1-3	4.22	1.4100	-99.99	-9.9999	-99.99	-9.9999	A
192-1-1	0.90	1.4100	-99.99	-9.9999	53.61	-9.9999	M
192-2-3	5.00	-9.9999	-99.99	-9.9999	-99.99	0.8623	M
192-3-2	12.00	1.5600	-99.99	-9.9999	-99.99	0.9084	M
192-4-2	20.80	1.5700	-99.99	-9.9999	-99.99	0.9335	M
192-5-2	30.50	1.5500	-99.99	-9.9999	-99.99	0.9712	M
192-6-2	56.90	1.3900	-99.99	-9.9999	52.16	0.8456	M
192-7	78.50	1.5250	-99.99	-9.9999	41.55	0.7493	M
192-8	96.50	1.5150	-99.99	-9.9999	44.94	0.9628	M
192-9-3	124.60	1.4800	-99.99	-9.9999	-99.99	-9.9999	M
192-9-4	126.00	-9.9999	-99.99	-9.9999	-99.99	0.9251	M

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
212-18-1	317.55	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
212-18-3	320.73	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
212-2-4	14.42	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
212-28-1	412.20	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
212-38-2	508.80	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
217-1-2	2.50	-9.9999	-99.99	-9.9999	-99.99	0.8381	M
217-1-4	5.50	-9.9999	-99.99	-9.9999	-99.99	0.9310	M
217-2-2	11.50	-9.9999	-99.99	-9.9999	-99.99	1.0331	M
217-2-5	16.50	-9.9999	-99.99	-9.9999	-99.99	0.9806	M
217-3-2	21.50	-9.9999	-99.99	-9.9999	-99.99	0.9603	M
217-3-4	24.50	-9.9999	-99.99	-9.9999	-99.99	0.9599	M
217-4-2	29.50	-9.9999	-99.99	-9.9999	-99.99	1.0480	M
217-4-4	33.00	-9.9999	-99.99	-9.9999	-99.99	1.0017	M
217-6-4	122.00	-9.9999	-99.99	-9.9999	-99.99	1.1085	M
225-1-2	2.00	1.7100	73.50	2.7736	34.60	-9.9999	R
225-13-4	81.50	1.6150	66.45	1.9806	40.25	-9.9999	R
225-13-4/5	84.00	1.5900	68.00	2.1250	41.80	1.0580	R
225-13-6	86.00	1.9100	65.70	1.9155	25.00	-9.9999	R
225-14-1	87.50	2.0750	50.90	1.0367	19.30	-9.9999	R
225-14-2	90.00	1.7400	70.10	2.3445	33.10	-9.9999	R
225-14-4	93.50	1.7400	58.55	1.4125	32.75	-9.9999	R
225-15-2	97.00	1.9500	59.70	1.4814	23.00	1.1700	R
225-16-2	106.00	2.2300	56.80	1.3148	12.80	1.2620	R
225-16-3	108.00	2.0100	40.90	0.6920	20.40	-9.9999	R
225-17-2	115.00	2.2200	49.10	0.9646	13.30	-9.9999	R
225-17-3	117.00	1.9000	51.40	1.0576	25.10	1.2720	R
225-17-4	120.00	2.2400	47.60	0.9084	12.90	-9.9999	R
225-18-1	123.00	2.1100	51.60	1.0661	17.30	-9.9999	R
225-18-2/3	126.50	1.9100	49.40	0.9763	25.10	1.2950	R
225-19-1	133.00	1.7000	53.00	1.1277	35.30	-9.9999	R
225-19-3	135.00	-9.9999	-99.99	-9.9999	-99.99	1.2391	R
225-19-4	138.00	1.7000	63.10	1.7100	35.80	-9.9999	R
225-20-1/2	142.00	1.5600	71.70	2.5336	44.30	1.1231	R
225-21-2	146.00	-9.9999	-99.99	-9.9999	-99.99	1.1350	R
225-21-3	153.00	1.7200	63.10	1.7100	35.10	-9.9999	R
225-22-3	162.00	-9.9999	-99.99	-9.9999	-99.99	1.1450	R
225-22-5	165.00	1.9400	56.30	1.2883	25.40	-9.9999	R
225-23-1	170.00	2.2500	33.90	0.5129	15.10	-9.9999	R
225-23-2	169.00	-9.9999	-99.99	-9.9999	-99.99	1.1350	R
225-3-2	20.00	1.8900	55.00	1.2222	25.40	-9.9999	R
225-4-1	23.00	1.7000	60.00	1.5000	34.50	-9.9999	R
227-13-1	91.00	1.9400	48.80	0.9531	24.20	-9.9999	R
227-16-1	114.00	2.1900	34.90	0.5361	15.10	-9.9999	R
227-16-2	115.00	2.1000	40.10	0.6694	18.00	-9.9999	R

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
227-18-2	134.00	2.0700	43.60	0.7730	19.40	-9.9999	R
227-20-2	150.00	1.9200	53.50	1.1505	25.30	-9.9999	R
227-20-3	152.50	2.2100	36.10	0.5649	14.80	1.3410	R
227-20-5	156.00	2.1600	39.20	0.6447	16.40	-9.9999	R
227-22-4	172.00	2.0600	46.10	0.8553	19.90	-9.9999	R
227-24-6	184.50	2.1200	42.90	0.7513	17.80	1.3640	R
227-25-2	187.00	2.0900	44.60	0.8051	18.70	1.4150	R
228-16-2	126.00	-9.9999	-99.99	-9.9999	-99.99	1.4250	R
228-28-4	232.50	2.1900	36.90	0.5848	15.60	1.9050	R
228-4-5	30.80	1.8100	55.50	1.2472	29.80	-9.9999	R
228-7-6	58.90	2.2000	48.90	0.9569	23.30	-9.9999	R
234-1	4.75	1.4819	81.62	4.4407	55.23	-9.9999	A
234-10	166.25	1.7667	68.85	2.2103	38.99	-9.9999	A
234-11	175.75	1.6739	65.05	1.8612	38.89	-9.9999	A
234-12	185.25	1.7958	66.88	2.0193	37.34	-9.9999	A
234-13	194.75	1.8533	67.46	2.0731	35.04	-9.9999	A
234-14	204.25	1.7827	62.19	1.6448	34.88	-9.9999	A
234-15	242.25	1.9308	60.57	1.5361	31.37	-9.9999	A
234-2	14.25	1.5290	81.36	4.3648	53.21	-9.9999	A
234-3	23.75	1.4734	82.10	4.5866	55.72	-9.9999	A
234-4	33.25	1.5224	80.05	4.0125	52.58	-9.9999	A
234-6	80.75	1.7507	72.73	2.6670	41.56	-9.9999	A
234-7	118.75	1.6158	72.59	2.6483	45.07	-9.9999	A
234-8	128.25	1.6477	71.49	2.5075	43.47	-9.9999	A
234-9	156.75	1.7833	64.97	1.8547	36.45	-9.9999	A
235-10	223.25	1.8399	58.32	1.3992	31.62	-9.9999	A
235-11	270.75	-9.9999	-99.99	-9.9999	31.76	-9.9999	A
235-12	318.25	-9.9999	-99.99	-9.9999	29.36	-9.9999	A
235-13	372.75	-9.9999	-99.99	-9.9999	27.89	-9.9999	A
235-14	432.25	-9.9999	-99.99	-9.9999	25.16	-9.9999	A
235-15	498.75	-9.9999	-99.99	-9.9999	21.72	-9.9999	A
235-16	584.25	-9.9999	-99.99	-9.9999	23.87	-9.9999	A
235-5	71.25	1.7162	69.73	2.3036	40.81	-9.9999	A
235-7	118.75	1.7661	65.19	1.8727	36.95	-9.9999	A
235-9	175.75	1.8359	61.74	1.6137	33.72	-9.9999	A
238-12-1	388.45	1.9690	41.96	0.7229	21.31	-9.9999	T
322-1-1	76.50	-9.9999	-99.99	-9.9999	47.00	-9.9999	A
322-1-2	79.83	1.4680	73.00	2.7037	49.50	-9.9999	A
322-10-0	485.00	-9.9999	-99.99	-9.9999	25.00	-9.9999	A
322-10-1	485.98	1.7100	-99.99	-9.9999	22.00	-9.9999	A
322-11-4	509.64	-9.9999	-99.99	-9.9999	20.00	-9.9999	A
322-11-5	511.03	1.9200	-99.99	-9.9999	20.00	-9.9999	A
322-11-6	511.85	1.9750	-99.99	-9.9999	23.00	-9.9999	A
322-2-2	193.10	-9.9999	-99.99	-9.9999	45.00	-9.9999	A



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
322-3-1	295.54	-9.9999	-99.90	-9.9999	47.00	-9.9999	A
322-4-2	354.30	1.6700	-99.99	0.0000	28.00	-9.9999	A
322-5-1	391.35	1.7800	-99.99	-9.9999	27.00	-9.9999	A
322-6-1	438.35	1.9500	-99.99	-9.9999	23.50	-9.9999	A
322-9-CC	469.11	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
327A-14-1	147.77	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-14-2	148.80	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-14-3	150.67	1.3830	54.83	1.2139	39.64	-9.9999	M
327A-14-4	152.18	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-14-5	153.05	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-14-6	155.00	1.6250	57.00	1.3256	35.90	-9.9999	M
327A-15-2	177.60	1.6730	51.07	1.0437	30.53	-9.9999	M
327A-16-1	185.35	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-16-2	186.90	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-16-3	188.05	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-16-4	189.95	1.7960	53.23	1.1381	30.50	-9.9999	M
327A-16-5	191.60	1.6310	55.17	1.2306	33.83	-9.9999	M
327A-16-6	192.76	1.7910	57.45	1.3502	32.07	-9.9999	M
327A-17-2	215.80	-9.9999	-99.99	-9.9999	29.38	-9.9999	M
327A-18-1	223.80	1.8510	47.16	0.8925	25.48	-9.9999	M
327A-18-2	225.30	1.7840	53.45	1.1482	29.97	-9.9999	M
327A-18-3	226.58	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-18-4	228.30	1.7000	53.27	1.1400	29.77	-9.9999	M
327A-18-5	229.80	1.7570	58.44	1.4062	33.26	-9.9999	M
327A-18-6	231.32	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-19-1	251.88	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-19-2	253.15	1.8130	48.48	0.9410	26.74	-9.9999	M
327A-2-1	14.48	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-2-2	16.22	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-2-3	17.49	1.4800	72.80	2.6765	49.20	-9.9999	M
327A-2-4	18.50	1.4260	74.10	2.8610	51.98	-9.9999	M
327A-2-5	20.25	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-20-1	280.69	1.8530	49.73	0.9893	26.84	-9.9999	M
327A-20-2	281.77	1.8090	51.12	1.0458	28.27	-9.9999	M
327A-21-2	310.44	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-21-3	312.20	1.9355	45.50	0.8349	23.50	-9.9999	M
327A-21-4	313.47	1.8300	79.01	3.7642	43.18	-9.9999	M
327A-22-1	337.62	1.8170	43.40	0.7668	24.10	-9.9999	M
327A-22-2	338.60	1.8740	3.00	0.5361	18.60	-9.9999	M
327A-22-3	340.40	1.8765	54.30	1.1882	29.50	-9.9999	M
327A-23-1	366.00	1.8980	43.82	0.7800	23.09	-9.9999	M
327A-23-2	367.70	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-23-7	374.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-24-2	395.70	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
327A-25-2	424.97	1.9660	38.56	0.6276	19.61	-9.9999	M
327A-25-3	426.48	1.9080	40.91	0.6923	21.44	-9.9999	M
327A-26-1	451.62	1.9540	40.73	0.6872	20.84	-9.9999	M
327A-26-2	453.34	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
327A-27-1	460.70	1.8560	42.79	0.7479	23.06	-9.9999	M
327A-3-2	25.60	1.2460	80.93	4.2438	64.97	-9.9999	M
327A-5-5	49.70	1.2350	86.15	6.2202	69.80	-9.9999	M
327A-6-4	57.10	1.1800	86.07	6.1788	72.96	-9.9999	M
327A-7-1	62.10	1.2610	91.43	10.6686	72.53	-9.9999	M
327A-8-3	74.50	1.3420	71.70	2.5336	53.43	-9.9999	M
327A-8-5	77.50	1.4200	70.10	2.3445	49.37	-9.9999	M
327A-9-5	87.50	1.4310	75.67	3.1102	52.88	-9.9999	M
327A-9-6	88.60	1.4640	72.50	2.6364	49.50	-9.9999	M
328-1-1	1.16	1.4700	73.90	2.8314	50.26	-9.9999	A
328-1-2	2.45	1.3945	76.60	3.2735	54.90	-9.9999	A
328-1-3	4.10	1.3540	78.43	3.6361	57.93	-9.9999	A
328-1-4	5.25	1.3740	77.03	3.3535	56.05	-9.9999	A
328-1-5	7.20	1.3340	77.63	3.4703	58.20	-9.9999	A
328-10-1	330.85	1.6980	61.50	1.5974	36.30	-9.9999	A
328-10-7	339.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
328-11-1	362.05	1.8130	54.00	1.1739	29.80	-9.9999	A
328-11-3	363.10	1.8110	52.90	1.1231	29.20	-9.9999	A
328-11-4	364.30	2.0070	56.60	1.3041	28.30	-9.9999	A
328-11-5	365.80	1.7960	55.26	1.2351	30.77	-9.9999	A
328-11-6	367.30	1.7800	56.50	1.2989	31.80	-9.9999	A
328-12-1	388.30	1.8903	48.70	0.9505	25.80	-9.9999	A
328-12-2	389.17	1.8840	50.54	1.0218	26.83	-9.9999	A
328-12-6	396.15	1.8950	50.85	1.0346	26.83	-9.9999	A
328-2-4	13.24	1.4020	77.63	3.4703	58.20	-9.9999	A
328-3-1	17.80	1.2900	68.50	2.1716	53.00	-9.9999	A
328-3-2	19.76	1.4660	85.28	5.7935	58.17	-9.9999	A
328-3-3	20.64	1.4055	77.38	3.4209	55.06	-9.9999	A
328-3-4	22.00	1.3960	76.66	3.2845	54.90	-9.9999	A
328-3-5	23.80	1.5500	80.15	4.0380	52.64	-9.9999	A
328-3-6	25.00	1.3140	72.64	2.6550	54.40	-9.9999	A
328-4-2	48.00	1.3990	77.98	3.5413	55.74	-9.9999	A
328-4-3	49.30	1.4060	75.37	3.0601	53.60	-9.9999	A
328-4-4	50.18	1.3730	78.20	3.5872	56.96	-9.9999	A
328-5-2	95.00	0.0000	79.48	3.8733	57.30	-9.9999	A
328-5-3	96.37	1.4290	77.80	3.5045	54.46	-9.9999	A
328-6-1	141.32	1.4960	72.16	2.5920	48.25	-9.9999	A
328-6-2	142.80	1.5290	74.37	2.9017	48.65	-9.9999	A
328-6-3	144.00	1.5330	72.92	2.6928	47.55	-9.9999	A
328-7-4	193.87	1.6170	69.37	2.2648	42.91	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
328-8-3	239.65	1.5350	64.45	1.8129	41.99	-9.9999	A
328-9-7	292.30	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
328B-1-2	9.68	1.3460	74.70	2.9526	55.51	-9.9999	A
328B-1-3	11.51	1.4080	75.53	3.0866	53.63	-9.9999	A
328B-1-4	12.94	1.3670	75.50	3.0816	55.22	-9.9999	A
328B-1-5	14.22	1.4080	75.87	3.1442	53.88	-9.9999	A
328B-1-6	15.63	1.4200	76.03	3.1719	53.55	-9.9999	A
328B-2-1	17.68	1.3860	77.50	3.4444	55.93	-9.9999	A
328B-2-2	19.52	1.4100	78.63	3.6795	55.78	-9.9999	A
328B-2-3	21.43	1.4260	75.03	3.0048	52.62	-9.9999	A
328B-2-4	22.67	1.3930	80.30	4.0761	57.66	-9.9999	A
328B-2-5	24.18	1.3520	72.37	2.6193	53.53	-9.9999	A
328B-2-6	25.60	1.3830	73.80	2.8285	53.39	-9.9999	A
328B-3-1	27.90	1.2430	80.17	4.0429	59.27	-9.9999	A
328B-3-2	29.18	1.2820	80.80	4.2083	63.04	-9.9999	A
328B-3-3	30.75	1.1980	76.23	3.2070	63.62	-9.9999	A
328B-3-4	32.16	1.3080	78.83	3.7237	60.25	-9.9999	A
328B-3-5	33.40	1.3140	81.16	4.3079	61.77	-9.9999	A
328B-3-6	35.28	1.4410	74.20	2.8760	51.50	-9.9999	A
328B-4-1	36.88	1.4200	74.40	2.9063	52.38	-9.9999	A
328B-4-2	38.83	1.3590	76.53	3.2608	56.33	-9.9999	A
328B-4-4	41.18	1.4260	76.23	3.2070	53.47	-9.9999	A
328B-4-5	42.98	1.3370	76.53	3.2608	57.24	-9.9999	A
328B-5-1	46.80	1.3660	77.84	3.5126	57.04	-9.9999	A
328B-5-2	48.16	1.4170	77.73	3.4903	54.84	-9.9999	A
328B-5-3	49.70	1.3200	80.90	4.2329	61.60	-9.9999	A
328B-5-4	50.75	1.3690	80.68	4.1760	58.92	-9.9999	A
328B-5-5	52.67	1.3700	78.78	3.7125	57.51	-9.9999	A
328B-5-6	53.84	1.3460	79.27	3.8239	58.88	-9.9999	A
328B-6-1	55.81	1.3990	75.27	3.0437	53.80	-9.9999	A
328B-6-2	57.28	1.3220	63.13	1.7122	47.76	-9.9999	A
328B-6-3	58.68	1.3150	75.47	3.0766	57.40	-9.9999	A
328B-6-4	60.28	1.4010	78.57	3.6664	56.07	-9.9999	A
328B-6-5	61.75	1.3460	79.72	3.9310	59.21	-9.9999	A
328B-6-6	63.21	1.3510	66.67	2.0003	49.35	-9.9999	A
328B-7-1	435.68	1.8970	50.61	1.0247	26.67	-9.9999	A
328B-7-2	437.58	1.8810	52.06	1.0859	27.67	-9.9999	A
328B-7-3	439.67	1.8310	53.40	1.1459	29.16	-9.9999	A
328B-7-4	441.36	1.8090	56.21	1.2836	31.07	-9.9999	A
328B-7-5	441.57	1.9360	50.59	1.0239	26.13	-9.9999	A
328B-7-6	443.60	1.8820	52.00	1.0833	27.65	-9.9999	A
328B-7-7	444.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
328B-8-1	472.27	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
330-1-1	130.18	-9.9999	-99.99	-9.9999	42.44	-9.9999	M

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
330-1-3	133.43	1.6300	63.25	1.7211	38.80	-9.9999	M
330-1-4	135.21	1.5380	69.20	2.2468	44.99	-9.9999	M
330-1-6	138.05	1.6910	58.91	1.4337	34.83	-9.9999	M
330-1-7	138.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
330-12-4	466.62	2.0320	39.11	0.6423	19.25	-9.9999	M
330-13-2	491.73	1.9650	41.17	0.6998	20.95	-9.9999	M
330-2-2	178.90	1.7480	55.26	1.2351	31.66	-9.9999	M
330-2-7	185.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
330-2-CC	179.60	1.9530	33.59	0.5058	17.20	-9.9999	M
330-3-1	225.48	1.8060	46.25	0.8605	25.61	-9.9999	M
330-3-2	225.76	1.7350	54.95	1.2198	31.66	-9.9999	M
330-4-2	274.38	1.8240	48.13	0.9279	26.39	-9.9999	M
330-5-2	302.60	1.8420	43.60	0.7727	23.65	-9.9999	M
330-5-CC	304.60	1.8595	45.96	0.8505	24.73	-9.9999	M
330-6-4	314.37	1.8910	44.72	0.8090	23.65	-9.9999	M
330-6-5	316.07	1.9050	44.09	0.7886	23.15	-9.9999	M
330-6-CC	318.60	1.9350	41.84	0.7194	21.62	-9.9999	M
330-7-4	324.13	1.9080	44.26	0.7940	23.19	-9.9999	M
330-7-7	328.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
367-13-3	373.00	1.7060	65.00	1.8571	37.50	-9.9999	PR
367-16-3	544.00	1.9390	48.00	0.9231	24.81	-9.9999	PR
367-17-3	620.00	1.5020	54.00	1.1739	35.48	-9.9999	PR
367-18-3	640.00	1.4120	40.00	0.6667	29.58	-9.9999	PR
367-19-4	650.00	1.7080	44.50	0.8018	25.65	-9.9999	PR
367-20-4	695.00	1.6670	46.00	0.8519	27.54	-9.9999	PR
367-21-3	695.00	1.7030	45.00	0.8182	26.47	-9.9999	PR
367-21-6	700.00	1.8470	44.00	0.7857	22.48	-9.9999	PR
367-22-3	724.00	1.9510	45.00	0.8182	23.08	-9.9999	PR
367-24-2	837.00	2.1290	39.00	0.6393	18.70	-9.9999	PR
367-24-3	838.00	2.0870	45.00	0.8182	20.63	-9.9999	PR
367-8-3	306.00	1.4420	69.00	2.2258	48.59	-9.9999	PR
368-10-2	201.00	1.8090	56.00	1.2727	31.03	-9.9999	M
368-11-3	212.00	1.8120	55.00	1.2222	31.03	-9.9999	M
368-14-3	241.00	1.5860	68.00	2.1250	43.82	-9.9999	M
368-15-3	250.00	1.4440	76.00	3.1667	53.49	-9.9999	M
368-17-3	269.00	1.8480	53.00	1.1277	28.57	-9.9999	M
368-17-6	274.00	1.8780	52.00	1.0833	27.01	-9.9999	M
368-18-3	279.00	1.8520	53.00	1.1277	28.06	-9.9999	M
368-19-3	289.00	1.7330	71.00	2.4483	35.06	-9.9999	M
368-22-3	327.00	1.5490	52.00	1.0833	44.44	-9.9999	M
368-22-5	330.00	1.5180	71.00	2.4483	45.65	-9.9999	M
368-25-1	370.00	1.4840	74.00	2.8462	49.24	-9.9999	M
368-28-1	395.00	1.6360	59.00	1.4390	37.89	-9.9999	M
368-31-3	431.00	1.6600	61.00	1.5641	38.27	-9.9999	M

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
368-32-3	440.00	1.6590	64.00	1.7778	38.65	-9.9999	M
368-34-2	468.00	1.5550	66.00	1.9412	42.86	-9.9999	M
368-36-3	516.00	1.5640	68.00	2.1250	41.86	-9.9999	M
368-37-5	537.00	1.6530	67.00	2.0303	35.06	-9.9999	M
368-38-3	564.00	1.6760	63.00	1.7027	35.90	-9.9999	M
368-39-3	573.00	1.7130	58.00	1.3810	33.77	-9.9999	M
368-41-3	593.00	1.6560	57.00	1.3256	37.50	-9.9999	M
368-42-3	597.00	1.7735	52.50	1.1053	31.40	-9.9999	M
368-43-4	613.00	1.6470	62.00	1.6316	36.31	-9.9999	M
368-44-3	621.00	1.6440	57.00	1.3256	35.90	-9.9999	M
368-45-3	630.00	1.7670	60.00	1.5000	31.51	-9.9999	M
368-46-3	641.00	1.9160	52.00	1.0833	27.01	-9.9999	M
368-47-3	650.00	1.9050	49.00	0.9608	25.37	-9.9999	M
368-50-3	706.00	2.0420	46.00	0.8519	20.63	-9.9999	M
368-51-3	715.00	2.0730	42.00	0.7241	20.00	-9.9999	M
368-52-4	727.00	2.0185	45.50	0.8349	22.78	-9.9999	M
368-53-3	754.00	2.0320	44.00	0.7857	20.00	-9.9999	M
368-54-4	803.00	2.0630	42.00	0.7241	19.35	-9.9999	M
368-55-5	841.00	2.0590	40.00	0.6667	20.63	-9.9999	M
368-57-4	898.00	2.0230	45.00	0.8182	24.24	-9.9999	M
368-58-3	974.00	2.0640	41.00	0.6949	19.35	-9.9999	M
368-60-4	954.00	2.1450	32.00	0.4706	14.53	-9.9999	M
368-63-3	979.00	1.8470	35.00	0.5385	18.70	-9.9999	M
370-1-3	4.00	1.9180	52.00	1.0833	29.08	-9.9999	PR
370-10-2	504.00	2.1140	34.00	0.5152	9.09	-9.9999	PR
370-13-2	552.00	1.9290	56.00	1.2727	21.26	-9.9999	PR
370-16-2	608.00	2.0540	48.00	0.9231	21.88	-9.9999	PR
370-16-3	610.00	1.8860	48.00	0.9231	37.89	-9.9999	PR
370-17-2	618.00	2.1310	35.00	0.5385	18.03	-9.9999	PR
370-19-1	655.00	2.1900	36.00	0.5625	16.67	-9.9999	PR
370-2-2	105.00	1.9870	51.00	1.0408	26.47	-9.9999	PR
370-21-2	684.00	2.0980	39.00	0.6393	19.35	-9.9999	PR
370-22-3	695.00	2.2840	40.00	0.6667	21.26	-9.9999	PR
370-23-3	705.00	2.1820	38.00	0.6129	20.63	-9.9999	PR
370-24-3	715.00	2.0780	37.00	0.5873	19.35	-9.9999	PR
370-25-2	723.00	2.1000	37.00	0.5873	20.00	-9.9999	PR
370-25-3	734.00	2.2070	30.00	0.4286	14.53	-9.9999	PR
370-26-3	753.00	2.0030	42.00	0.7241	21.26	-9.9999	PR
370-28-3	771.50	2.2960	24.00	0.3158	11.90	-9.9999	PR
370-3-1	208.00	1.8535	53.00	1.1277	29.82	-9.9999	PR
370-31-3	828.00	2.1320	34.00	0.5152	15.25	-9.9999	PR
370-4-3	220.00	1.9290	47.00	0.8868	26.47	-9.9999	PR
370-44-3	1047.00	2.3380	18.00	0.2195	9.91	-9.9999	PR
370-45-3	1067.00	2.3780	21.00	0.2658	11.50	-9.9999	PR

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
370-5-3	325.00	1.9745	47.50	0.9048	24.53	-9.9999	PR
370-6-2	428.00	2.0940	37.00	0.5873	19.35	-9.9999	PR
370-8-2	466.00	2.1540	32.00	0.4706	15.25	-9.9999	PR
370-9-3	483.00	1.9150	45.00	0.8182	22.48	-9.9999	PR
379A-1-3	3.85	1.5320	68.78	2.2031	-99.99	1.0206	A
379A-1-3	3.98	-9.9999	-99.99	-9.9999	-99.99	1.0134	A
379A-13-2	114.01	1.7460	55.63	1.2538	-99.99	1.1721	A
379A-17-1	150.83	1.7190	57.29	1.3414	-99.99	1.2332	A
379A-18-2	161.30	1.0000	54.46	1.1959	-99.99	1.1352	A
379A-19-4	174.15	-9.9999	-99.99	-9.9999	-99.99	1.0955	A
379A-19-6	176.60	1.8090	51.76	1.0730	-99.99	1.1156	A
379A-21-2	189.99	1.8680	48.14	0.9283	-99.99	1.2081	A
379A-29-3	267.44	1.8660	48.27	0.9331	-99.99	1.2035	A
379A-32-3	295.68	1.7980	52.44	1.1026	-99.99	-9.9999	A
379A-34-6	320.18	1.7630	54.58	1.2017	-99.99	-9.9999	A
379A-35-1	322.18	1.8180	51.21	1.0496	-99.99	-9.9999	A
379A-36-4	335.00	1.9390	43.77	0.7784	-99.99	1.1696	A
379A-40-6	376.60	1.9170	45.09	0.8212	-99.99	1.2374	A
379A-43-5	393.99	1.9150	45.23	0.8258	-99.99	1.4061	A
379A-45-4	411.49	1.8130	51.51	1.0623	-99.99	1.2445	A
379A-46-2	418.43	1.8730	47.81	0.9161	-99.99	-9.9999	A
379A-47-6	434.00	1.6940	48.81	0.9535	-99.99	1.2713	A
379A-49-5	450.92	1.9200	44.94	0.8162	-99.99	1.3232	A
379A-50-5	460.60	1.9290	44.36	0.7973	-99.99	1.3776	A
379A-52-3	476.20	1.9290	44.37	0.7976	-99.99	1.1160	A
379A-53-1	482.88	1.8890	46.83	0.8808	-99.99	1.1859	A
379A-54-6	499.97	1.8880	46.87	0.8822	-99.99	1.2231	A
379A-55-2	503.00	1.8480	49.36	0.9747	-99.99	1.2240	A
379A-59-5	546.00	2.0010	39.95	0.6653	-99.99	1.1725	A
379A-60-4	553.80	1.9600	42.47	0.7382	-99.99	1.2677	A
379A-62-4	570.00	1.9460	43.33	0.7646	-99.99	1.2755	A
379A-65-2	588.80	-9.9999	-99.99	-9.9999	-99.99	1.1662	A
379A-65-4	592.37	1.9110	45.46	0.8335	-99.99	-9.9999	A
379A-66-2	598.40	1.9660	42.08	0.7265	-99.99	1.3222	A
379A-68-5	621.80	1.9140	45.31	0.8285	-99.99	1.2326	A
379A-7-4	59.71	1.6470	61.72	1.6123	-99.99	1.0624	A
379A-8-3	67.84	1.8620	48.48	0.9410	-99.99	0.9892	A
379A-9-2	75.60	1.5650	66.76	2.0084	-99.99	0.9783	A
380-1-4	5.77	1.5530	67.50	2.0769	-99.99	-9.9999	PR
380-10-1	86.78	1.5740	66.23	1.9612	-99.99	1.0252	PR
380-14-1	124.48	1.6090	64.03	1.7801	-99.99	-9.9999	PR
380-15-6	141.25	1.6230	63.20	1.7174	-99.99	0.9021	PR
380-16-1	143.33	1.6680	60.41	1.5259	-99.99	-9.9999	PR
380-17-5	158.38	1.8230	50.90	1.0367	-99.99	-9.9999	PR

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
380-18-3	165.58	1.5660	66.72	2.0048	-99.99	-9.9999	PR
380-2-3	12.58	1.5310	68.85	2.2103	-99.99	-9.9999	PR
380-20-3	184.43	1.6430	61.98	1.6302	-99.99	-9.9999	PR
380-21-2	192.27	1.6050	64.31	1.8019	-99.99	0.8832	PR
380-22-3	202.88	1.6160	63.63	1.7495	-99.99	-9.9999	PR
380-23-5	216.73	1.6650	60.62	1.5394	-99.99	-9.9999	PR
380-24-5	225.33	1.5920	65.12	1.8670	-99.99	-9.9999	PR
380-25-3	232.13	1.4410	74.40	2.9063	-99.99	0.9289	PR
380-26-4	242.68	1.4940	71.12	2.4626	-99.99	-9.9999	PR
380-27-2	249.33	1.7950	52.62	1.1106	-99.99	1.0042	PR
380-28-1	257.48	1.8820	47.25	0.8957	-99.99	-9.9999	PR
380-29-2	268.33	1.8750	47.67	0.9109	-99.99	1.0159	PR
380-30-2	278.13	1.8910	46.73	0.8772	-99.99	-9.9999	PR
380-31-1	285.36	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380-31-2	286.80	1.8820	47.25	0.8957	-99.99	1.2717	PR
380-32-6	303.58	1.7770	53.72	1.1608	-99.99	-9.9999	PR
380-33-2	305.58	1.6670	60.52	1.5329	-99.99	-9.9999	PR
380-35-4	322.98	1.8690	48.07	0.9257	-99.99	-9.9999	PR
380-36-3	326.53	1.8620	48.51	0.9421	-99.99	-9.9999	PR
380-37-2	334.38	1.8040	52.07	1.0864	-99.99	-9.9999	PR
380-38-2	344.93	1.8590	48.71	0.9497	-99.99	-9.9999	PR
380-39-3	354.88	1.6980	58.60	1.4155	-99.99	-9.9999	PR
380-4-5	34.68	1.5590	67.15	2.0441	-99.99	1.0285	PR
380-5-2	40.48	1.6220	63.25	1.7211	-99.99	-9.9999	PR
380-6-4	52.38	1.5410	68.24	2.1486	-99.99	0.9331	PR
380-7-4	61.73	1.5010	70.70	2.4130	-99.99	-9.9999	PR
380-8-1	67.22	1.5720	66.37	1.9735	-99.99	1.0411	PR
380-9-1	77.43	1.6570	61.11	1.5714	-99.99	-9.9999	PR
380A-10-2	420.93	1.8540	48.98	0.9600	-99.99	-9.9999	PR
380A-11-5	434.40	1.9250	44.61	0.8054	-99.99	1.2375	PR
380A-12-3	440.61	1.8600	48.61	0.9459	-99.99	-9.9999	PR
380A-13-2	448.70	1.8580	48.71	0.9497	-99.99	1.1572	PR
380A-14-2	457.88	1.9090	45.61	0.8386	-99.99	-9.9999	PR
380A-15-5	472.30	1.8830	47.20	0.8939	-99.99	1.2368	PR
380A-17-6	492.40	1.9800	41.24	0.7018	-99.99	1.2307	PR
380A-18-3	497.10	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-18-4	499.78	1.9850	40.91	0.6923	-99.99	-9.9999	PR
380A-19-6	512.77	1.9480	43.22	0.7612	-99.99	-9.9999	PR
380A-20-5	519.22	1.9220	44.77	0.8106	-99.99	-9.9999	PR
380A-21-4	527.97	1.9610	42.39	0.7358	-99.99	-9.9999	PR
380A-22-6	540.17	1.9440	43.46	0.7687	-99.99	-9.9999	PR
380A-23-6	549.22	1.9000	46.13	0.8563	-99.99	-9.9999	PR
380A-25-5	567.50	1.0000	40.39	0.6776	-99.99	-9.9999	PR
380A-26-2	572.62	1.9180	45.07	0.8205	-99.99	-9.9999	PR

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
380A-27-5	586.47	1.9540	42.85	0.7498	-99.99	-9.9999	PR
380A-29-5	599.07	1.8790	47.47	0.9037	-99.99	-9.9999	PR
380A-30-1	599.17	1.9510	42.99	0.7541	-99.99	-9.9999	PR
380A-31-4	612.72	1.9110	45.45	0.8332	-99.99	-9.9999	PR
380A-32-6	625.72	1.9410	43.65	0.7746	-99.99	-9.9999	PR
380A-33-2	632.87	1.9690	41.93	0.7221	-99.99	-9.9999	PR
380A-34-4	642.27	1.8430	49.63	0.9853	-99.99	-9.9999	PR
380A-35-2	647.72	1.8420	49.75	0.9900	-99.99	-9.9999	PR
380A-36-3	659.17	1.8050	51.98	1.0825	-99.99	-9.9999	PR
380A-37-4	669.72	1.8370	50.06	1.0024	-99.99	-9.9999	PR
380A-38-6	683.02	1.8070	51.90	1.0790	-99.99	-9.9999	PR
380A-39-3	688.12	1.7760	53.76	1.1626	-99.99	-9.9999	PR
380A-40-3	697.32	1.7230	57.02	1.3267	-99.99	-9.9999	PR
380A-41-4	709.22	1.5220	69.42	2.2701	-99.99	-9.9999	PR
380A-42-1	712.78	1.6720	60.16	1.5100	-99.99	-9.9999	PR
380A-43-2	724.60	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-43-3	726.20	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-43-4	727.55	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-43-5	729.52	1.6130	63.79	1.7617	-99.99	-9.9999	PR
380A-43-6	731.25	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-44-2	734.00	1.6460	61.79	1.6171	-99.99	-9.9999	PR
380A-44-3	734.56	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-44-5	738.25	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-45-1	741.17	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-45-2	743.72	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-45-4	746.33	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-45-5	747.27	1.6000	63.85	1.7663	-99.99	-9.9999	PR
380A-45-6	749.43	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-46-2	753.00	1.3900	77.55	3.4543	-99.99	-9.9999	PR
380A-46-3	754.38	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-46-4	755.95	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-46-5	757.57	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-47-1	760.93	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-47-2	762.34	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-47-3	763.08	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-47-5	766.97	1.8200	51.06	1.0433	-99.99	-9.9999	PR
380A-48-5	776.60	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-48-6	778.03	1.6970	58.65	1.4184	-99.99	-9.9999	PR
380A-49-3	782.75	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-49-4	784.03	1.8000	52.30	1.0964	-99.99	-9.9999	PR
380A-49-5	784.88	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-5-6	378.98	1.7970	52.46	1.1035	-99.99	1.2295	PR
380A-50-1	789.37	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-50-2	790.67	1.8230	50.87	1.0354	-99.99	-9.9999	PR



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
380A-50-3	792.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-51-2	801.68	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-51-3	801.77	1.9320	44.16	0.7908	-99.99	-9.9999	PR
380A-51-4	803.48	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-51-6	806.43	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-52-1	809.33	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-52-2	810.03	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-52-4	813.85	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-52-6	815.50	1.7550	55.09	1.2267	-99.99	-9.9999	PR
380A-53-2	818.60	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-53-3	820.67	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-53-6	825.82	1.8500	49.24	0.9701	-99.99	-9.9999	PR
380A-54-1	827.46	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-54-2	829.00	1.6870	59.28	1.4558	-99.99	-9.9999	PR
380A-55-1	837.12	1.7870	53.11	1.1327	-99.99	-9.9999	PR
380A-55-3	839.55	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-55-4	841.15	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-56-1	845.70	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-56-3	848.92	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-56-4	850.50	1.7590	54.84	1.2143	-99.99	-9.9999	PR
380A-57-1	856.00	1.9830	41.03	0.6958	-99.99	-9.9999	PR
380A-57-2	857.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-57-3	858.77	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-57-5	861.32	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-58-1	865.05	1.8350	50.18	1.0072	-99.99	-9.9999	PR
380A-58-2	866.74	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-6-4	385.03	1.8420	49.74	0.9897	-99.99	-9.9999	PR
380A-60-1	883.74	1.9620	42.35	0.7346	-99.99	-9.9999	PR
380A-60-2	885.38	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-62-2	904.10	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-62-3	906.20	1.9500	43.05	0.7559	-99.99	-9.9999	PR
380A-63-2	914.63	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-63-3	915.30	2.1050	33.56	0.5051	-99.99	-9.9999	PR
380A-63-4	917.44	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-64-1	922.20	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-64-2	923.05	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-64-6	927.90	1.9890	40.67	0.6855	-99.99	-9.9999	PR
380A-65-2	933.68	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-65-3	934.70	1.9570	42.65	0.7437	-99.99	-9.9999	PR
380A-66-1	941.64	1.8940	46.50	0.8692	-99.99	-9.9999	PR
380A-67-2	952.10	1.7300	56.60	1.3041	-99.99	-9.9999	PR
380A-69-2	971.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-69-3	972.05	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-69-5	975.22	2.0360	37.75	0.6064	-99.99	-9.9999	PR



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
380A-7-2	391.28	1.8330	50.26	1.0105	-99.99	1.0490	PR
380A-70-2	980.98	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-70-3	982.44	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-70-4	983.23	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-70-5	985.76	1.9150	45.23	0.8258	-99.99	-9.9999	PR
380A-71-2	990.70	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-71-3	991.20	1.7630	54.61	1.2031	-99.99	-9.9999	PR
380A-71-4	992.77	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-73-2	1009.35	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-73-3	1010.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-73-4	1011.57	2.0010	39.96	0.6656	-99.99	-9.9999	PR
380A-74-2	1018.33	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-74-3	1019.87	1.9850	40.92	0.6926	-99.99	-9.9999	PR
380A-75-2	1028.20	1.9350	44.02	0.7864	-99.99	-9.9999	PR
380A-76-2	1037.61	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-76-3	1038.72	1.9150	45.22	0.8255	-99.99	-9.9999	PR
380A-76-4	1040.70	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-77-2	1047.52	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-77-3	1048.60	1.8720	47.90	0.9194	-99.99	-9.9999	PR
380A-79-2	1066.10	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
380A-8-6	408.18	1.8670	48.20	0.9305	-99.99	-9.9999	PR
380A-80-1	1074.17	1.7290	56.70	1.3095	-99.99	-9.9999	PR
380A-9-4	413.70	1.9760	41.48	0.7088	-99.99	1.3697	PR
381-10-6	93.75	1.6060	64.23	1.7956	-99.99	-9.9999	PS
381-11-2	97.63	1.7390	56.05	1.2753	-99.99	-9.9999	PS
381-12-3	108.10	1.5820	65.70	1.9155	-99.99	0.9629	PS
381-13-3	117.68	1.6820	59.59	1.4746	-99.99	-9.9999	PS
381-14-2	125.80	-9.9999	-99.99	-9.9999	-99.99	0.9967	PS
381-14-6	132.38	1.6450	61.87	1.6226	-99.99	-9.9999	PS
381-15-5	140.28	1.5360	68.54	2.1786	-99.99	-9.9999	PS
381-16-3	146.11	1.6830	59.48	1.4679	-99.99	1.1100	PS
381-19-5	178.58	1.5770	66.01	1.9420	-99.99	-9.9999	PS
381-2-1	10.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PS
381-2-2	11.62	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PS
381-2-3	13.48	1.6660	60.55	1.5349	-99.99	-9.9999	PS
381-22-3	198.23	1.5780	65.97	1.9386	-99.99	-9.9999	PS
381-24-2	210.73	1.4630	73.07	2.7133	-99.99	-9.9999	PS
381-25-5	224.88	1.5850	65.56	1.9036	-99.99	-9.9999	PS
381-25-6	227.13	1.4790	72.04	2.5765	-99.99	-9.9999	PS
381-26-4	233.33	1.5250	69.24	2.2510	-99.99	-9.9999	PS
381-27-2	239.83	1.5270	69.13	2.2394	-99.99	-9.9999	PS
381-28-4	251.58	1.4350	74.75	2.9604	-99.99	-9.9999	PS
381-29-3	259.58	1.4760	72.23	2.6010	-99.99	-9.9999	PS
381-3-1	19.77	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
381-3-4	24.25	1.5740	66.23	1.9612	-99.99	0.8599	PS
381-30-3	269.08	1.4630	73.02	2.7064	-99.99	-9.9999	PS
381-31-4	280.08	1.4520	73.71	2.8037	-99.99	-9.9999	PS
381-32-3	289.38	1.5970	64.82	1.8425	-99.99	-9.9999	PS
381-33-4	299.53	1.5590	67.16	2.0451	-99.99	-9.9999	PS
381-34-3	307.98	1.5560	67.35	2.0628	-99.99	-9.9999	PS
381-35-6	321.38	1.5830	65.64	1.9104	-99.99	-9.9999	PS
381-36-1	323.38	1.5710	66.38	1.9744	-99.99	-9.9999	PS
381-37-2	334.68	1.6160	63.61	1.7480	-99.99	-9.9999	PS
381-4-3	31.88	1.4910	71.30	2.4843	-99.99	-9.9999	PS
381-48-5	444.43	1.8470	49.42	0.9771	-99.99	-9.9999	PS
381-49-5	453.28	1.9100	45.51	0.8352	-99.99	-9.9999	PS
381-5-5	43.50	1.4690	72.66	2.6576	-99.99	0.9416	PS
381-51-6	474.43	1.9740	41.61	0.7126	-99.99	-9.9999	PS
381-52-2	477.03	2.0040	39.74	0.6595	-99.99	-9.9999	PS
381-53-3	488.18	2.0260	38.42	0.6239	-99.99	-9.9999	PS
381-54-3	500.33	1.8360	50.12	1.0048	-99.99	-9.9999	PS
381-6-5	53.58	1.5810	65.77	1.9214	-99.99	-9.9999	PS
381-7-6	65.20	-9.9999	-99.99	-9.9999	-99.99	0.8682	PS
381-8-5	73.63	1.5160	69.80	2.3113	-99.99	-9.9999	PS
381-9-6	85.93	1.6040	64.35	1.8050	-99.99	-9.9999	PS
382-1-2	53.30	1.8900	62.00	1.6316	33.00	-9.9999	M
382-1-4	55.55	1.6800	54.00	1.1739	32.00	-9.9999	M
382-1-6	59.25	1.8150	51.00	1.0408	33.00	-9.9999	M
382-10-2	299.95	1.7700	54.00	1.1739	-99.99	-9.9999	M
382-11-3	311.20	1.7900	51.00	1.0408	28.00	-9.9999	M
382-11-4	313.50	1.8300	51.00	1.0408	-99.99	-9.9999	M
382-11-6	316.80	1.8400	50.00	1.0000	-99.99	-9.9999	M
382-12-3	321.20	1.7200	57.00	1.3256	-99.99	-9.9999	M
382-12-6	325.55	1.7400	56.00	1.2727	-99.99	-9.9999	M
382-13-6	335.70	1.7000	59.00	1.4390	-99.99	-9.9999	M
382-14-3	340.05	1.7500	56.00	1.2727	-99.99	-9.9999	M
382-15-2	347.80	1.7400	56.00	1.2727	-99.99	-9.9999	M
382-15-4	351.15	1.7700	54.00	1.1739	-99.99	-9.9999	M
382-15-5	352.80	1.8100	52.00	1.0833	-99.99	-9.9999	M
382-15-6	354.80	1.8400	50.00	1.0000	-99.99	-9.9999	M
382-16-2	358.20	1.6800	62.00	1.6316	-99.99	-9.9999	M
382-16-5	362.60	1.6800	61.00	1.5641	36.00	-9.9999	M
382-16-6	363.60	1.6000	65.00	1.8571	-99.99	-9.9999	M
382-16-CC	364.30	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
382-17-4	369.30	1.7100	58.00	1.3810	-99.99	-9.9999	M
382-17-5	371.15	1.6600	61.00	1.5641	-99.99	-9.9999	M
382-17-6	372.50	1.7200	61.00	1.5641	36.00	-9.9999	M
382-18-1	374.60	1.6400	62.00	1.6316	-99.99	-9.9999	M

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
382-19-2	385.00	1.6900	59.00	1.4390	-99.99	-9.9999	M
382-2-3	110.55	1.9900	45.00	0.8182	23.00	-9.9999	M
382-20-3	405.95	1.4000	74.00	2.8462	-99.99	-9.9999	M
382-21-3	415.40	1.6200	64.00	1.7778	-99.99	-9.9999	M
382-22-2	442.90	1.4800	72.00	2.5714	-99.99	-9.9999	M
382-22-3	444.80	1.5600	67.00	2.0303	-99.99	-9.9999	M
382-23-1	469.60	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
382-3-2	176.00	1.9100	42.00	0.7241	22.00	-9.9999	M
382-4-1	203.30	1.9050	64.50	1.8169	30.50	-9.9999	M
382-5-2	232.80	1.5900	66.00	1.9412	-99.99	-9.9999	M
382-5-3	234.65	1.8550	53.00	1.1277	29.00	-9.9999	M
382-5-4	236.00	1.8200	51.00	1.0408	-99.99	-9.9999	M
382-6-3	254.70	-9.9999	-99.99	-9.9999	-99.99	-9.9999	M
382-6-5	257.30	1.8500	49.00	0.9608	-99.99	-9.9999	M
382-6-6	259.30	1.9300	54.00	1.1739	28.00	-9.9999	M
382-7-2	271.20	1.8100	53.00	1.1277	30.00	-9.9999	M
382-7-4	274.65	1.8700	48.00	0.9231	-99.99	-9.9999	M
382-7-6	277.20	1.8800	48.00	0.9231	-99.99	-9.9999	M
382-8-3	282.50	1.7800	52.00	1.0833	29.00	-9.9999	M
382-8-4	284.30	1.8400	50.00	1.0000	-99.99	-9.9999	M
382-8-6	287.20	1.8000	50.00	1.0000	28.00	-9.9999	M
382-9-1	185.10	1.5000	64.00	1.7778	43.00	-9.9999	M
382-9-3	291.80	1.8600	49.00	0.9608	-99.99	-9.9999	M
382-9-4	293.45	1.8500	49.00	0.9608	-99.99	-9.9999	M
382-9-6	296.10	1.8300	52.00	1.0833	28.00	-9.9999	M
385-1-2	24.00	1.4200	71.00	2.4483	50.00	-9.9999	M
385-1-4	27.75	1.4250	70.50	2.3898	49.50	-9.9999	M
385-10-1	194.50	1.7000	48.50	0.9417	28.00	-9.9999	M
385-11-1	204.15	1.6450	61.00	1.5641	37.50	-9.9999	M
385-12-2	214.70	1.8450	50.00	1.0000	27.00	-9.9999	M
385-13-4	237.15	1.8200	54.00	1.1739	30.00	-9.9999	M
385-14-2	253.10	1.7900	54.00	1.1739	30.00	-9.9999	M
385-14-3	255.10	1.7800	56.00	1.2727	31.00	-9.9999	M
385-15-1	270.30	1.7800	55.50	1.2472	31.00	-9.9999	M
385-16-2	281.70	1.7500	60.00	1.5000	34.00	-9.9999	M
385-16-3	282.60	1.7300	59.50	1.4691	34.50	-9.9999	M
385-19-CC	309.40	2.3500	19.00	0.2346	8.00	-9.9999	M
385-2-6	69.45	1.3450	81.50	4.4054	60.50	-9.9999	M
385-22-CC	355.00	2.4600	20.00	0.2500	8.00	-9.9999	M
385-3-3	102.55	1.5400	76.00	3.1667	52.00	-9.9999	M
385-3-6	107.25	1.4050	74.50	2.9216	53.00	-9.9999	M
385-5-1	147.50	1.3600	78.00	3.5455	58.00	-9.9999	M
385-5-3	150.40	1.3000	75.00	3.0000	58.00	-9.9999	M
385-8-1	175.90	1.5100	70.00	2.3333	-99.99	-9.9999	M

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
385-8-5	181.70	1.5400	64.00	1.7778	42.00	-9.9999	M
386-1-6	60.90	1.6250	66.00	1.9412	40.50	-9.9999	A
386-11-2	254.25	1.5900	67.00	2.0303	41.00	-9.9999	A
386-12-3	284.15	1.7250	61.50	1.5974	35.50	-9.9999	A
386-13-2	311.70	1.8100	55.00	1.2222	30.00	-9.9999	A
386-14-5	335.60	1.6350	63.00	1.7027	38.50	-9.9999	A
386-15-5	353.70	1.5300	59.00	1.4390	39.00	-9.9999	A
386-16-3	369.70	1.5350	62.50	1.6667	41.00	-9.9999	A
386-17-4	390.75	1.5850	59.50	1.4691	37.50	-9.9999	A
386-18-4	410.10	1.8200	44.00	0.7857	25.00	-9.9999	A
386-18-6	412.20	1.8600	41.00	0.6949	22.00	-9.9999	A
386-19-2	416.30	2.0600	33.00	0.4925	16.00	-9.9999	A
386-2-5	107.50	1.5200	68.00	2.1250	45.00	-9.9999	A
386-20-2	425.10	1.8400	25.00	0.3333	13.00	-9.9999	A
386-21-6	440.40	1.7900	46.00	0.8519	26.00	-9.9999	A
386-22-1	443.40	1.8350	43.00	0.7544	23.50	-9.9999	A
386-23-6	460.15	1.8950	42.50	0.7391	22.50	-9.9999	A
386-24-4	466.45	1.9050	41.00	0.6949	22.00	-9.9999	A
386-26-2	482.25	2.0750	32.50	0.4815	17.00	-9.9999	A
386-27-2	491.70	1.7200	54.50	1.1978	31.50	-9.9999	A
386-28-4	505.30	1.6800	42.00	0.7241	25.00	-9.9999	A
386-3-1	139.40	1.6500	66.00	1.9412	40.00	-9.9999	A
386-31-6	546.25	1.8750	48.50	0.9417	26.00	-9.9999	A
386-32-5	563.10	1.8850	44.50	0.8018	23.50	-9.9999	A
386-33-2	577.15	1.9050	42.50	0.7391	22.50	-9.9999	A
386-34-2	606.30	1.9200	49.00	0.9608	26.00	-9.9999	A
386-35-5	639.20	2.0100	43.00	0.7544	22.00	-9.9999	A
386-36-4	647.40	2.0400	43.00	0.7544	21.00	-9.9999	A
386-38-2	691.15	1.9250	53.50	1.1505	27.50	-9.9999	A
386-39-4	704.05	1.8500	46.00	0.8519	25.00	-9.9999	A
386-4-4	152.80	1.7400	53.00	1.1277	30.00	-9.9999	A
386-4-5	153.80	1.7000	58.00	1.3810	-99.99	-9.9999	A
386-41-5	724.15	2.1150	39.00	0.6393	18.50	-9.9999	A
386-42-5	734.20	1.9350	41.50	0.7094	21.50	-9.9999	A
386-43-3	740.20	1.8900	34.00	0.5152	18.00	-9.9999	A
386-44-3	749.55	2.0450	37.50	0.6000	19.00	-9.9999	A
386-45-5	772.40	2.0500	39.00	0.6393	19.00	-9.9999	A
386-46-5	781.80	2.0350	41.50	0.7094	20.50	-9.9999	A
386-47-5	790.75	1.9900	48.00	0.9231	23.50	-9.9999	A
386-49-4	808.20	2.0600	39.00	0.6393	19.00	-9.9999	A
386-5-2	159.05	1.8000	52.00	1.0833	-99.99	-9.9999	A
386-5-3	160.10	1.7300	56.00	1.2727	32.00	-9.9999	A
386-5-4	161.50	1.8700	60.00	1.5000	32.00	-9.9999	A
386-50-5	819.55	2.0350	39.50	0.6529	19.50	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
386-52-6	839.20	2.0500	40.00	0.6667	19.00	-9.9999	A
386-53-4	846.40	2.0200	40.00	0.6667	20.00	-9.9999	A
386-55-5	866.65	2.0000	42.50	0.7391	21.00	-9.9999	A
386-56-4	873.90	1.8000	19.00	0.2346	11.00	-9.9999	A
386-58-4	893.50	2.0200	41.00	0.6949	20.00	-9.9999	A
386-59-5	904.00	2.0800	39.00	0.6393	19.00	-9.9999	A
386-6-3	169.40	1.5900	67.00	2.0303	42.00	-9.9999	A
386-6-4	171.20	1.7200	63.00	1.7027	37.00	-9.9999	A
386-61-4	922.10	2.1200	36.00	0.5625	17.00	-9.9999	A
386-63-4	941.00	2.0900	39.00	0.6393	19.00	-9.9999	A
386-64-4	950.70	2.0600	40.00	0.6667	19.00	-9.9999	A
386-65-3	958.80	2.1200	40.00	0.6667	19.00	-9.9999	A
386-7-3	180.20	1.6000	70.00	2.3333	44.00	-9.9999	A
386-8-1	186.60	1.6000	69.00	2.2258	43.00	-9.9999	A
386-8-2	187.35	1.3700	79.00	3.7619	-99.99	-9.9999	A
387-1-5	38.49	1.4450	73.00	2.7037	47.00	-9.9999	A
387-1-6	40.45	1.5400	68.00	2.1250	44.50	-9.9999	A
387-12-1	223.50	1.5600	58.00	1.3810	37.50	-9.9999	A
387-13-2	234.80	1.8600	40.00	0.6667	22.00	-9.9999	A
387-14-2	243.10	1.8600	42.00	0.7241	22.00	-9.9999	A
387-16-3	263.30	1.7200	35.00	0.5385	20.00	-9.9999	A
387-17-2	271.60	1.7800	45.00	0.8182	25.00	-9.9999	A
387-18-1	289.80	1.7400	48.00	0.9231	28.00	-9.9999	A
387-19-2	309.85	1.9450	38.00	0.6129	20.00	-9.9999	A
387-2-5	105.33	1.5430	71.00	2.4483	46.00	-9.9999	A
387-20-2	328.55	1.7350	49.00	0.9608	28.00	-9.9999	A
387-21-2	348.60	1.7200	50.00	1.0000	29.00	-9.9999	A
387-22-2	357.20	1.7050	52.50	1.1053	30.50	-9.9999	A
387-23-1	375.20	1.7300	49.00	0.9608	28.00	-9.9999	A
387-23-5	381.20	1.8400	50.00	1.0000	27.00	-9.9999	A
387-24-1	394.60	1.7200	53.00	1.1277	31.00	-9.9999	A
387-25-2	405.15	1.7700	49.50	0.9802	28.00	-9.9999	A
387-26-2	414.45	1.7850	52.00	1.0833	29.50	-9.9999	A
387-29-2	471.35	2.1000	39.00	0.6293	19.00	-9.9999	A
387-3-2	139.45	1.5000	71.50	2.5088	47.50	-9.9999	A
387-30-1	489.73	1.8730	37.33	0.5957	20.30	-9.9999	A
387-31-1	508.70	1.8700	50.00	1.0000	26.00	-9.9999	A
387-32-3	521.90	1.9700	41.00	0.6949	22.00	-9.9999	A
387-32-4	522.30	1.9400	46.00	0.8519	23.00	-9.9999	A
387-33-2	528.40	1.9300	46.00	0.8519	24.00	-9.9999	A
387-34-2	538.50	2.0050	43.50	0.7699	21.50	-9.9999	A
387-35-3	549.70	1.9600	41.50	0.7094	21.50	-9.9999	A
387-36-3	559.60	1.8900	45.00	0.8182	24.00	-9.9999	A
387-37-3	577.95	1.8400	42.00	0.7241	23.00	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
387-4-1	147.10	1.5600	67.00	2.0303	43.00	-9.9999	A
387-6-3	169.15	1.6850	63.00	1.7027	34.00	-9.9999	A
387-7-2	177.25	1.4400	74.00	2.8462	-99.99	-9.9999	A
387-8-2	187.10	1.4200	72.00	2.5714	50.00	-9.9999	A
387-9-5	200.85	1.5100	70.00	2.3333	-99.99	-9.9999	A
387-9-6	202.00	1.5000	65.00	1.8571	43.00	-9.9999	A
387-9-8	202.40	1.4300	69.00	2.2258	48.00	-9.9999	A
388A-1-1	0.99	1.6100	66.70	2.0030	41.50	-9.9999	PR
388A-10-1	323.40	1.8400	51.30	1.0534	28.00	-9.9999	PR
388A-11-2	334.10	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
388A-11-5	338.44	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
388A-2-2	39.20	1.7900	55.50	1.2472	31.00	-9.9999	PR
388A-2-3	40.80	1.7300	58.90	1.4331	34.00	-9.9999	PR
388A-4-1	208.97	1.6600	65.60	1.9070	39.60	-9.9999	PR
388A-5-1	246.80	1.8600	51.00	1.0408	27.00	-9.9999	PR
388A-5-2	248.70	2.0400	62.50	1.6667	30.60	-9.9999	PR
388A-5-4	251.88	1.8100	59.20	1.4510	32.60	-9.9999	PR
388A-5-5	252.80	1.8400	57.40	1.3474	31.20	-9.9999	PR
388A-5-6	254.93	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
388A-6-1	285.37	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
388A-6-2	286.51	1.9000	51.50	1.0619	27.20	-9.9999	PR
388A-7-2	295.39	1.7200	49.80	0.9920	29.00	-9.9999	PR
388A-7-3	296.88	1.9800	58.50	1.4096	29.40	-9.9999	PR
388A-8-1	303.69	1.9700	51.70	1.0704	26.30	-9.9999	PR
388A-9-1	312.72	1.8200	49.70	0.9881	27.40	-9.9999	PR
388A-9-3	315.20	1.5800	46.80	0.8797	29.60	-9.9999	PR
388A-9-4	317.70	1.5200	43.90	0.7825	29.00	-9.9999	PR
388A-9-5	319.42	1.9600	56.20	1.2831	28.60	-9.9999	PR
388A-9-6	321.14	1.7400	50.20	1.0080	28.90	-9.9999	PR
391A-1-2	88.60	1.4400	35.10	0.5408	24.40	-9.9999	PR
391A-1-6	94.20	1.7300	48.70	0.9493	28.20	-9.9999	PR
391A-13-1	526.16	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
391A-16-1	555.22	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
391A-16-2	556.45	1.5700	63.30	1.7248	40.40	-9.9999	PR
391A-17-4	574.25	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
391A-20-1	640.83	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
391A-20-2	642.24	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
391A-20-3	643.56	1.6500	60.10	1.5063	36.40	-9.9999	PR
391A-21-1	649.96	1.6200	38.00	0.6129	23.50	-9.9999	PR
391A-21-3	653.03	2.0000	42.70	0.7452	21.40	-9.9999	PR
391A-21-5	655.91	1.9500	43.50	0.7699	22.30	-9.9999	PR
391A-7-1	326.50	1.5300	64.70	1.8329	42.30	-9.9999	PR
391A-7-4	330.85	1.5500	63.90	1.7701	41.20	-9.9999	PR
391A-7-5	332.38	1.4700	64.00	1.7778	43.60	-9.9999	PR

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
391A-8-1	336.41	1.4800	67.30	2.0581	45.50	-9.9999	PR
391B-1-2	2.60	1.4900	77.60	3.4643	52.10	-9.9999	PR
391B-1-4	5.40	1.6300	93.60	14.6250	57.20	-9.9999	PR
391B-1-6	8.30	1.6500	88.40	7.6207	53.50	-9.9999	PR
391C-10-1	897.21	1.9600	47.90	0.9194	24.40	-9.9999	PR
391C-10-2	897.74	2.0600	41.30	0.7036	20.10	-9.9999	PR
391C-10-3	899.74	2.0000	44.70	0.8083	22.40	-9.9999	PR
391C-11-1	924.92	2.0500	40.30	0.6750	19.70	-9.9999	PR
391C-11-2	926.91	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
391C-12-6	961.58	2.0700	35.10	0.5408	16.90	-9.9999	PR
391C-14-3	1004.71	2.1700	36.00	0.5625	16.60	-9.9999	PR
391C-21-4	1091.49	2.3200	26.20	0.3550	11.40	-9.9999	PR
391C-25-3	1137.46	2.2200	30.60	0.4409	13.80	-9.9999	PR
391C-28-3	1165.55	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
391C-30-4	1186.67	2.2200	30.10	0.4306	13.50	-9.9999	PR
391C-42-5	1301.20	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
391C-46-1	1334.37	2.4700	16.90	0.2034	6.50	-9.9999	PR
391C-47-1	1343.07	2.1200	38.10	0.6155	18.00	-9.9999	PR
391C-5-1	678.67	2.0100	37.40	0.5974	18.60	-9.9999	PR
391C-50-1	1371.84	2.4700	17.70	0.2151	7.20	-9.9999	PR
391C-51-2	1382.87	2.4100	22.70	0.2937	9.40	-9.9999	PR
391C-52-2	1392.46	2.2600	30.60	0.4409	13.50	-9.9999	PR
391C-52-3	1393.72	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
391C-52-4	1395.36	2.4400	18.20	0.2225	7.50	-9.9999	PR
391C-6-2	689.92	1.9800	42.00	0.7241	21.20	-9.9999	PR
391C-6-4	692.94	1.9500	37.70	0.6051	19.30	-9.9999	PR
391C-6-6	695.94	1.9700	43.00	0.7544	22.90	-9.9999	PR
391C-7-2	726.56	1.9200	49.50	0.9802	25.80	-9.9999	PR
391C-8-1	783.20	1.8700	51.30	1.0534	27.30	-9.9999	PR
391C-9-1	839.60	2.2800	34.80	0.5337	16.00	-9.9999	PR
391C-9-2	841.29	1.9900	44.70	0.8083	22.40	-9.9999	PR
397-87	826.00	2.0250	38.30	0.6207	18.90	-9.9999	PR
397-88	835.50	2.1600	24.80	0.3298	11.50	-9.9999	PR
397-89	845.00	2.1950	29.80	0.4245	13.75	-9.9999	PR
397-90	854.50	2.2100	34.10	0.5175	15.40	-9.9999	PR
397-92	873.50	1.9400	44.30	0.7953	22.80	-9.9999	PR
397A-1	733.50	2.1850	29.70	0.4225	13.70	-9.9999	PR
397A-10	1015.75	1.8800	34.30	0.5221	18.30	-9.9999	PR
397A-11	1025.25	1.9550	29.30	0.4144	15.05	-9.9999	PR
397A-12	1034.75	2.0600	38.80	0.6340	-99.99	-9.9999	PR
397A-13	1044.25	2.0200	34.90	0.5361	17.30	-9.9999	PR
397A-14	1053.75	2.0000	33.60	0.5060	16.80	-9.9999	PR
397A-15	1063.25	2.5200	11.10	0.1249	4.40	-9.9999	PR
397A-16	1072.75	2.1950	29.10	0.4104	13.25	-9.9999	PR



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
397A-17	1082.25	2.0900	31.60	0.4620	15.10	-9.9999	PR
397A-18	1091.75	2.0800	35.30	0.5456	16.95	-9.9999	PR
397A-2	822.00	2.1367	35.60	0.5528	16.80	-9.9999	PR
397A-22	1144.00	2.0500	31.95	0.4695	15.60	-9.9999	PR
397A-23	1163.00	2.1200	33.40	0.5015	15.70	-9.9999	PR
397A-24	1182.00	2.0000	28.50	0.3986	14.30	-9.9999	PR
397A-26	1220.00	2.0200	31.20	0.4535	15.40	-9.9999	PR
397A-27	1234.25	2.0400	30.50	0.4388	15.00	-9.9999	PR
397A-28	1243.75	1.9950	43.15	0.7590	-99.99	-9.9999	PR
397A-29	1253.25	2.2500	26.40	0.3587	-99.99	-9.9999	PR
397A-3	899.50	2.1000	35.90	0.5601	17.10	-9.9999	PR
397A-30	1262.75	2.2100	20.90	0.2642	9.40	-9.9999	PR
397A-33	1291.25	2.0800	31.80	0.4663	15.30	-9.9999	PR
397A-34	1300.75	2.1900	29.05	0.4094	13.25	-9.9999	PR
397A-35	1308.25	2.4300	25.85	0.3486	9.95	-9.9999	PR
397A-36	1313.00	2.5267	22.83	0.2958	9.70	-9.9999	PR
397A-39	1338.75	2.1800	30.80	0.4451	14.10	-9.9999	PR
397A-4	925.00	2.1900	31.30	0.4556	14.30	-9.9999	PR
397A-41	1357.75	2.1450	34.60	0.5291	16.15	-9.9999	PR
397A-42	1367.25	2.1250	34.65	0.5302	16.30	-9.9999	PR
397A-43	1376.75	2.1600	31.90	0.4684	14.80	-9.9999	PR
397A-44	1383.00	2.5300	23.60	0.3089	9.80	-9.9999	PR
397A-45	1387.75	2.1400	31.85	0.4674	14.65	-9.9999	PR
397A-46	1395.75	2.1700	31.30	0.4556	14.40	-9.9999	PR
397A-47	1405.25	2.1700	31.20	0.4535	14.30	-9.9999	PR
397A-48	1414.75	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
397A-49	1424.25	2.2600	27.40	0.3774	12.10	-9.9999	PR
397A-50	1433.75	2.3300	26.35	0.3578	11.40	-9.9999	PR
397A-51	1443.25	2.3100	25.60	0.3441	11.10	-9.9999	PR
397A-52	1450.50	2.3000	25.00	0.3333	10.80	-9.9999	PR
397A-9	1006.25	2.0500	38.10	0.6155	18.60	-9.9999	PR
415A-1-CC	349.10	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
415A-11-2	796.66	2.1690	33.75	0.5094	16.06	-9.9999	PR
415A-13-1	957.39	2.2920	27.38	0.3770	12.33	-9.9999	PR
415A-14-1	1032.16	2.2840	28.97	0.4079	13.09	-9.9999	PR
415A-5-1	443.34	1.8640	47.27	0.8965	26.16	-9.9999	PR
415A-8-1	576.11	1.8020	50.03	1.0012	28.65	-9.9999	PR
415A-8-2	578.42	1.8610	47.72	0.9128	26.46	-9.9999	PR
416A-4-1	602.05	1.9860	42.16	0.7289	21.91	-9.9999	PR
416A-5-1	754.30	1.8010	-99.99	-9.9999	-99.99	-9.9999	PR
416A-6-1	891.23	2.0520	40.92	0.6926	20.58	-9.9999	PR
416A-6-2	892.68	2.0240	40.97	0.6941	20.89	-9.9999	PR
416A-6-3	894.16	2.1000	43.22	0.7612	21.24	-9.9999	PR
417A-1-1	0.70	1.5100	71.90	2.5587	47.50	-9.9999	A



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
417A-1-3	3.80	1.4500	67.10	2.0395	46.20	-9.9999	A
417A-1-5	6.80	1.5200	71.90	2.5587	47.30	-9.9999	A
417A-10-3	87.90	1.6200	69.10	2.2362	42.70	-9.9999	A
417A-11-1	94.40	1.9100	73.30	2.7453	38.20	-9.9999	A
417A-11-3	97.80	1.8200	71.40	2.4965	39.30	-9.9999	A
417A-11-5	100.60	1.6800	70.80	2.4247	42.00	-9.9999	A
417A-12-1	104.00	1.7500	72.00	2.5714	41.20	-9.9999	A
417A-12-3	106.80	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
417A-13-3	116.30	1.7100	68.40	2.1646	39.90	-9.9999	A
417A-13-5	119.80	1.5500	85.70	5.9930	55.20	0.8958	A
417A-14-2	124.50	1.7500	69.90	2.3223	39.90	-9.9999	A
417A-15-1	132.20	1.6700	78.70	3.6948	47.00	-9.9999	A
417A-15-3	135.30	1.6400	69.10	2.2362	42.00	0.9712	A
417A-16-3	145.20	1.7500	71.70	2.5336	41.20	-9.9999	A
417A-16-5	148.10	1.7500	71.10	2.4602	40.60	-9.9999	A
417A-18-3	164.60	1.8300	63.90	1.7701	35.00	0.9753	A
417A-19-3	173.20	1.5700	49.90	0.9960	31.80	-9.9999	A
417A-2-1	9.20	1.5900	76.80	3.3103	48.10	-9.9999	A
417A-2-3	12.70	1.6700	78.60	3.6729	47.60	-9.9999	A
417A-20-1	179.80	1.7800	62.50	1.6667	35.10	-9.9999	A
417A-20-5	186.20	1.7500	65.20	1.8736	37.30	-9.9999	A
417A-21-1	190.00	1.7800	69.10	2.2362	38.90	-9.9999	A
417A-3-1	18.40	1.6800	75.90	3.1494	45.20	-9.9999	A
417A-3-3	21.30	1.6800	75.50	3.0816	45.10	-9.9999	A
417A-3-5	24.30	1.6400	75.20	3.0323	45.80	0.9921	A
417A-5-1	37.20	1.7100	75.60	3.0984	44.30	-9.9999	A
417A-6-1	47.00	1.7000	77.10	3.3668	45.30	-9.9999	A
417A-6-3	49.60	1.6700	74.20	2.8760	44.90	-9.9999	A
417A-6-4	51.40	1.6900	74.40	2.9063	43.90	-9.9999	A
417A-6-5	53.10	1.5100	78.90	3.7393	52.20	-9.9999	A
417A-8-1	66.40	1.6200	60.00	1.5000	37.00	-9.9999	A
417A-8-3	69.00	1.6700	71.90	2.5587	43.10	-9.9999	A
417A-9-1	75.70	1.6600	77.00	3.3478	46.50	-9.9999	A
417A-9-3	78.40	1.7300	71.30	2.4843	41.20	-9.9999	A
417A-9-5	81.20	1.6500	75.30	3.0486	45.60	-9.9999	A
417D-1-3	3.50	1.5700	69.40	2.2680	44.40	-9.9999	A
417D-10-1	230.60	1.8250	50.90	1.0367	29.20	-9.9999	A
417D-10-3	233.30	1.6300	56.20	1.2831	34.60	-9.9999	A
417D-11-1	239.70	1.6600	59.50	1.4691	35.80	-9.9999	A
417D-12-3	251.80	1.7600	54.10	1.1786	31.40	-9.9999	A
417D-13-1	258.25	1.9000	52.80	1.1186	27.80	-9.9999	A
417D-14-1	268.10	1.7600	51.50	1.0619	29.30	-9.9999	A
417D-14-3	272.10	1.7600	52.80	1.1186	29.90	-9.9999	A
417D-14-5	273.90	1.6600	48.70	0.9493	29.30	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
417D-15-1	278.00	1.9000	65.50	1.8986	34.50	-9.9999	A
417D-15-2	279.20	1.7700	53.90	1.1692	30.50	-9.9999	A
417D-16-1	287.85	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
417D-17	301.10	1.7100	59.50	1.4691	34.70	-9.9999	A
417D-18-1	306.50	1.6400	55.90	1.2676	34.20	-9.9999	A
417D-19-1	316.15	1.9900	57.00	1.3256	28.60	-9.9999	A
417D-20-2	326.70	2.1200	38.80	0.6340	18.30	-9.9999	A
417D-7	206.30	1.7100	59.00	1.4390	34.50	-9.9999	A
417D-8	215.80	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
417D-9-1	221.00	1.5700	52.10	1.0877	33.10	-9.9999	A
418A-13-2	303.00	1.8200	52.80	1.1186	30.45	-9.9999	A
418A-2-1	121.60	1.6400	62.80	1.6882	38.20	-9.9999	A
418A-3-2	132.60	1.5300	68.60	2.1847	44.90	-9.9999	A
418A-3-6	138.50	1.6900	60.30	1.5189	35.80	-9.9999	A
418A-4-5	146.10	1.7100	60.00	1.5000	35.10	-9.9999	A
418A-5-4	154.50	1.6700	63.10	1.7100	37.90	-9.9999	A
418A-6-1	159.25	1.6500	62.50	1.6667	37.40	-9.9999	A
418A-7-4	172.75	1.5900	63.70	1.7548	40.00	-9.9999	A
418A-7-5	175.00	1.6100	63.40	1.7322	39.30	-9.9999	A
418B-10-2	84.70	1.4600	74.50	2.9216	51.00	-9.9999	A
418B-11-2	94.10	1.5700	71.10	2.4602	45.30	-9.9999	A
418B-11-4	97.00	1.4500	66.60	1.9940	45.90	-9.9999	A
418B-12-4	106.50	1.4100	61.90	1.6247	43.90	-9.9999	A
418B-13-1	111.40	1.6300	68.70	2.1949	42.10	-9.9999	A
418B-15-2	131.60	1.7700	85.40	5.8932	48.20	-9.9999	A
418B-16-1	139.60	1.6600	62.80	1.6882	37.80	-9.9999	A
418B-17-2	150.60	1.6400	75.80	3.1322	46.20	-9.9999	A
418B-18	162.95	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
418B-19-1	168.20	1.5200	-99.99	-9.9999	-99.99	-9.9999	A
418B-2-1	7.30	1.2400	85.70	5.9930	69.10	-9.9999	A
418B-20-2	179.20	1.6700	-99.99	-9.9999	-99.99	-9.9999	A
418B-21-1	187.20	1.6100	-99.99	-9.9999	-99.99	-9.9999	A
418B-22-2	198.90	1.6300	-99.99	-9.9999	-99.99	-9.9999	A
418B-23-1	206.50	1.2800	-99.99	-9.9999	-99.99	-9.9999	A
418B-24-1	215.80	1.6300	-99.99	-9.9999	-99.99	-9.9999	A
418B-25-2	226.90	1.7000	-99.99	-9.9999	-99.99	-9.9999	A
418B-26	239.20	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
418B-27-1	244.50	1.8700	-99.99	-9.9999	-99.99	-9.9999	A
418B-28-2	255.40	1.6800	-99.99	-9.9999	-99.99	-9.9999	A
418B-3-2	18.30	1.5500	72.40	2.6232	46.70	-9.9999	A
418B-31-2	283.90	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
418B-33-1	301.75	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
418B-4-2	27.80	1.5400	69.20	2.2467	44.90	-9.9999	A
418B-4-4	30.90	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
418B-5-2	37.40	1.5900	68.40	2.1646	43.00	-9.9999	A
418B-6-2	46.90	1.4100	73.20	2.7313	51.90	-9.9999	A
418B-6-4	49.90	1.5700	65.60	1.9070	41.80	-9.9999	A
418B-7-5	60.90	1.5800	71.50	2.5088	45.30	-9.9999	A
418B-8-4	68.90	1.6000	69.90	2.3223	43.70	-9.9999	A
418B-9-2	75.30	1.8800	62.50	1.6667	33.20	-9.9999	A
418B-9-5	79.80	1.5400	78.30	3.6083	50.80	-9.9999	A
434-12-1	102.00	1.7130	41.50	0.7094	29.55	-9.9999	CS
434-15-1	131.30	1.5300	67.90	2.1153	-99.99	-9.9999	CS
434-15-2	131.90	1.4160	60.10	1.5063	32.60	-9.9999	CS
434-16-1	140.10	1.6480	49.52	0.9810	37.23	0.8765	CS
434-16-CC	140.65	1.3530	67.50	2.0769	47.25	-9.9999	CS
434-2-1	7.50	1.4250	65.75	1.9197	46.15	0.8376	CS
434-2-2	8.12	1.2500	58.80	1.4272	47.00	-9.9999	CS
434-20-1	178.90	1.5200	54.50	1.1978	36.60	0.7150	CS
434-22-1	197.60	1.5230	44.40	0.7986	38.30	-9.9999	CS
434-23-1	207.38	1.4470	54.10	1.1786	38.30	-9.9999	CS
434-23-3	209.45	1.4200	74.80	2.9683	-99.99	-9.9999	CS
434-24-1	216.27	1.5450	46.55	0.8709	32.53	0.9214	CS
434-29-1	264.02	1.5390	57.30	1.3422	33.15	-9.9999	CS
434-30-1	273.34	1.6040	59.50	1.4691	37.35	-9.9999	CS
434-31-1	282.60	1.6040	58.90	1.4331	36.20	-9.9999	CS
434-32-1	292.59	1.7440	50.90	1.0367	28.55	-9.9999	CS
434-4-1	25.96	1.3600	77.60	3.4643	-99.99	0.8490	CS
434-4-2	27.45	1.6440	67.60	2.0864	41.10	-9.9999	CS
434-5-1	35.06	1.3180	72.40	2.6232	54.90	-9.9999	CS
434-7-1	55.30	1.5260	58.20	1.3923	38.20	-9.9999	CS
434-9-1	73.53	1.4100	65.60	1.9070	43.27	0.8949	CS
434-9-2	74.54	1.5990	53.70	1.1598	33.60	-9.9999	CS
434B-10-1	371.80	1.5895	61.90	1.6243	34.01	-9.9999	CS
434B-10-3	375.56	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
434B-10-4	376.65	1.4100	74.40	2.9063	-99.99	-9.9999	CS
434B-10-5	377.77	1.3500	78.10	3.5662	-99.99	-9.9999	CS
434B-10-6	379.82	1.6730	60.78	1.5497	36.33	-9.9999	CS
434B-11-1	381.49	1.2700	83.40	5.0241	-99.99	1.0201	CS
434B-11-2	383.46	1.6520	58.62	1.4166	35.48	-9.9999	CS
434B-14-1	409.98	1.6560	59.29	1.4564	35.80	-9.9999	CS
434B-15-1	419.43	1.7210	52.04	1.0851	30.24	-9.9999	CS
434B-15-2	421.46	1.7410	48.82	0.9539	31.37	-9.9999	CS
434B-15-3	422.40	1.6140	58.12	1.3878	36.02	0.8986	CS
434B-15-4	424.07	1.7140	53.85	1.1668	31.41	-9.9999	CS
434B-16-1	429.10	1.5740	62.31	1.6532	39.58	-9.9999	CS
434B-16-2	430.70	1.6240	59.54	1.4716	36.65	0.9281	CS
434B-16-3	432.25	1.6380	58.42	1.4050	35.68	0.9195	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
434B-16-4	433.62	1.6110	60.52	1.5329	37.57	-9.9999	CS
434B-3-1	305.60	1.7190	55.84	1.2645	32.48	1.0650	CS
434B-3-2	307.95	1.7300	55.10	1.2272	27.29	-9.9999	CS
434B-34-1	600.00	1.8840	39.46	0.6518	21.47	-9.9999	CS
434B-36-1	618.84	1.7200	50.29	1.0117	29.24	-9.9999	CS
434B-37-1	628.35	1.7500	51.06	1.0433	29.18	-9.9999	CS
434B-4-1	315.10	1.4500	73.10	2.7175	-99.99	0.9885	CS
434B-4-2	316.40	1.6670	56.43	1.2952	33.85	1.3041	CS
434B-7-1	343.30	1.6390	58.44	1.4062	35.65	-9.9999	CS
434B-8-1	353.20	1.6280	59.15	1.4480	35.15	0.9345	CS
434B-8-2	354.70	1.6045	58.00	1.3829	36.45	1.0209	CS
434B-9-1	363.40	1.5380	61.38	1.5893	39.90	0.8691	CS
434B-9-2	364.66	1.5275	64.06	1.7824	33.61	-9.9999	CS
434B-9-3	365.29	1.6780	60.10	1.5063	35.82	-9.9999	CS
435-1-4	4.95	1.1970	50.73	1.0296	42.39	0.9699	CS
435-1-6	8.20	1.5040	67.55	2.0817	44.91	0.9556	CS
435-2-1	9.60	1.4710	70.16	2.3512	47.70	0.9410	CS
435-2-2	11.00	1.4310	69.78	2.3091	48.77	0.8971	CS
435-2-3	12.11	1.4600	71.60	2.5211	-99.99	-9.9999	CS
435-2-4	13.24	1.4535	70.08	2.3422	47.19	0.9071	CS
435-2-5	15.00	1.3740	69.95	2.3278	50.89	0.9530	CS
435-2-6	17.12	-9.9999	-99.99	-9.9999	-99.99	0.9761	CS
435-4-1	27.60	1.4100	71.36	2.4916	50.62	-9.9999	CS
435-4-2	29.17	1.4690	70.10	2.3445	47.72	0.8660	CS
435-4-3	30.45	1.4590	70.16	2.3512	48.09	0.9281	CS
435-4-4	32.73	-9.9999	-99.99	-9.9999	-99.99	0.8777	CS
435-5-1	37.22	1.5880	59.53	1.4710	37.49	-9.9999	CS
435-5-2	38.68	1.4470	58.89	1.4325	40.71	0.9699	CS
435-5-3	40.41	1.5750	62.71	1.6817	39.83	0.9699	CS
435-5-4	41.70	1.5950	68.43	2.1676	42.91	0.9930	CS
435-5-5	43.90	1.3680	59.49	1.4685	43.47	-9.9999	CS
435-5-6	44.80	1.3530	58.82	1.4284	43.36	0.9865	CS
435-6-1	46.86	1.5520	66.77	2.0093	43.02	-9.9999	CS
435-6-2	48.42	1.5480	64.51	1.8177	41.68	0.9699	CS
435-6-3	50.15	1.4855	69.32	2.2595	46.67	0.9950	CS
435-6-4	51.20	1.5010	70.78	2.4223	47.16	0.9451	CS
435-6-5	52.80	1.4540	61.43	1.5927	42.25	0.9180	CS
435-6-6	54.60	1.5270	64.37	1.8066	42.17	0.9635	CS
435-7-1	57.10	1.5500	62.78	1.6867	40.51	1.0160	CS
435-7-2	58.01	1.5760	61.00	1.5641	38.71	-9.9999	CS
435-7-3	59.58	1.5900	62.61	1.6745	39.37	0.9859	CS
435-7-4	61.25	1.6030	60.61	1.5387	37.81	0.9491	CS
435-7-5	62.69	1.5570	63.89	1.7693	41.04	1.0201	CS
435-7-6	63.90	1.5730	62.75	1.6846	39.90	0.9824	CS

Sample ID	Depth (m)	Bulk		Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
		Density (gm/cc)	Porosity (%)				
436-1-1	0.53	1.3690	76.72	3.2955	56.05	0.8860	CT
436-1-2	2.72	1.4200	73.40	2.7594	-99.99	0.8949	CT
436-1-3	3.57	1.4750	70.13	2.3478	47.54	0.9529	CT
436-1-4	5.95	1.4340	70.85	2.4305	49.42	-9.9999	CT
436-1-5	6.50	1.3840	67.30	2.0581	48.64	-9.9999	CT
436-10-1	85.20	-9.9999	-99.99	-9.9999	-99.99	0.8531	CT
436-10-2	86.50	1.4080	79.63	3.9092	56.54	0.8110	CT
436-10-3	87.84	-9.9999	-99.99	-9.9999	-99.99	0.8741	CT
436-10-4	89.60	1.4270	72.69	2.6617	50.92	0.8660	CT
436-10-5	90.98	-9.9999	-99.99	-9.9999	-99.99	0.8550	CT
436-10-6	92.00	1.4440	79.43	3.8614	55.01	-9.9999	CT
436-11-1	94.90	1.4240	73.52	2.7764	51.62	-9.9999	CT
436-11-2	96.21	1.3520	74.45	2.9139	55.07	-9.9999	CT
436-11-3	97.12	1.3660	74.83	2.9730	54.79	-9.9999	CT
436-11-5	99.97	1.4520	74.65	2.9448	51.42	-9.9999	CT
436-11-6	101.43	1.3760	76.20	3.2017	55.37	-9.9999	CT
436-12-1	103.75	1.3900	74.17	2.8715	53.36	0.8359	CT
436-12-2	105.28	1.3310	75.70	3.1152	56.89	0.8359	CT
436-12-3	106.66	1.3700	76.70	3.2918	-99.99	0.8280	CT
436-12-4	108.10	1.2290	40.03	0.6675	32.57	0.8779	CT
436-12-5	110.10	1.3390	73.16	2.7258	54.62	0.8509	CT
436-13-3	116.50	1.3580	75.15	3.0241	55.36	0.8569	CT
436-13-4	117.50	1.3460	72.46	2.6311	53.82	0.8321	CT
436-14-1	123.10	1.4060	71.23	2.4758	50.66	0.8569	CT
436-14-2	124.18	1.4050	75.06	3.0096	53.44	0.8201	CT
436-14-3	125.50	1.4010	76.72	3.2955	54.75	0.8461	CT
436-14-4	126.87	1.3900	75.40	3.0650	-99.99	0.8915	CT
436-15-1	132.50	1.3800	76.40	3.2373	-99.99	-9.9999	CT
436-15-2	133.55	1.2770	71.32	2.4868	55.86	0.8359	CT
436-15-3	135.50	1.3910	74.19	2.8745	53.34	0.8779	CT
436-15-5	138.90	1.4130	68.44	2.1686	48.45	0.8820	CT
436-16-1	142.40	1.4410	70.62	2.4037	49.02	-9.9999	CT
436-16-2	143.25	1.3140	73.21	2.7327	55.72	-9.9999	CT
436-16-3	145.15	1.2950	72.08	2.5817	55.66	0.8531	CT
436-16-5	147.95	1.4220	70.53	2.3933	49.61	0.8569	CT
436-16-6	149.95	-9.9999	-99.99	-9.9999	-99.99	0.8610	CT
436-17-3	154.58	1.3560	78.54	3.6598	57.93	0.8189	CT
436-17-4	156.00	1.3750	76.85	3.3197	55.91	0.8528	CT
436-18-2	162.03	-9.9999	-99.99	-9.9999	59.93	-9.9999	CT
436-19-4	174.60	1.3720	76.17	3.1964	55.63	0.8388	CT
436-2-1	9.12	1.4740	68.03	2.1279	46.14	0.9240	CT
436-2-2	10.45	1.3430	73.48	2.7707	54.70	0.8779	CT
436-2-3	11.35	1.4330	72.31	2.6114	50.45	0.8925	CT
436-20-1	179.81	1.3830	71.20	2.4722	51.48	0.8610	CT

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
436-20-2	180.57	1.3780	67.57	2.0836	49.02	0.8399	CT
436-21-1	189.49	1.4140	72.10	2.5842	50.99	0.8741	CT
436-22-1	198.80	1.2760	61.25	1.5806	47.99	-9.9999	CT
436-22-1	198.90	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CT
436-24-1	217.61	1.4870	74.45	2.9139	50.05	0.8230	CT
436-24-2	219.48	1.3390	75.71	3.1169	56.61	0.8321	CT
436-25-1	227.13	1.2050	65.51	1.8994	54.35	0.8029	CT
436-26-1	236.47	1.2470	72.63	2.6536	58.23	-9.9999	CT
436-27-1	246.11	1.4200	75.15	3.0241	52.92	-9.9999	CT
436-27-2	247.65	1.3830	79.00	3.7619	57.11	0.8691	CT
436-27-3	248.75	1.4400	73.63	2.7922	51.14	0.8490	CT
436-28-1	255.90	1.4140	77.41	3.4267	54.76	0.8691	CT
436-29-1	265.32	1.4200	76.60	3.2735	-99.99	0.8741	CT
436-29-2	266.70	1.4360	73.16	2.7258	50.51	0.8379	CT
436-3-1	18.30	1.4360	71.13	2.4638	49.55	0.9451	CT
436-3-2	19.70	1.5580	74.13	2.8655	47.59	0.9451	CT
436-3-3	21.50	1.3850	71.60	2.5211	51.69	0.8866	CT
436-3-4	22.83	1.4890	64.48	1.8153	43.30	0.9319	CT
436-3-5	24.10	1.3820	75.00	3.0000	54.26	0.8650	CT
436-30-1	274.40	1.4220	74.65	2.9448	52.50	0.8860	CT
436-30-2	276.82	1.4750	70.59	2.4002	47.84	0.9699	CT
436-30-3	277.36	1.4390	73.36	2.7538	51.00	0.8610	CT
436-31-1	284.50	1.4850	69.67	2.2971	48.10	-9.9999	CT
436-31-2	286.00	1.4540	71.99	2.5702	49.50	0.8464	CT
436-31-3	287.66	1.4230	75.81	3.1339	53.26	0.8820	CT
436-31-4	289.30	1.4370	74.73	2.9573	51.99	0.9611	CT
436-32-1	294.43	1.4780	74.81	2.9698	50.61	0.8989	CT
436-32-2	295.19	1.4560	75.61	3.1000	51.92	0.8840	CT
436-33-1	302.85	1.4100	77.30	3.4053	-99.99	-9.9999	CT
436-33-2	304.90	1.4805	74.09	2.8595	49.88	-9.9999	CT
436-33-3	306.40	1.4770	71.39	2.4953	48.34	0.8860	CT
436-33-4	307.95	1.4980	71.11	2.4614	47.47	0.9109	CT
436-33-5	308.84	1.4590	73.05	2.7106	50.06	0.8901	CT
436-33-6	311.10	1.5240	70.30	2.3670	46.12	0.8998	CT
436-34-1	312.80	1.4560	73.87	2.8270	50.74	-9.9999	CT
436-34-2	314.24	1.4780	72.44	2.6284	49.00	-9.9999	CT
436-34-3	315.78	1.4300	77.30	3.4053	-99.99	-9.9999	CT
436-34-4	317.47	1.4250	75.77	3.1271	53.18	-9.9999	CT
436-34-5	318.85	1.4490	75.93	3.1545	52.40	-9.9999	CT
436-34-6	320.56	1.4100	78.50	3.6512	-99.99	-9.9999	CT
436-35-1	322.18	1.4390	75.41	3.0667	52.40	0.8610	CT
436-35-2	323.20	1.4380	75.17	3.0274	52.26	0.8901	CT
436-35-4	326.20	1.4320	76.00	3.1667	53.06	-9.9999	CT
436-36-1	331.80	1.5220	70.34	2.3715	46.21	0.9451	CT

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
436-36-2	333.79	1.5200	72.10	2.5842	-99.99	0.8691	CT
436-36-3	334.60	1.5250	71.78	2.5436	47.07	0.9661	CT
436-36-4	335.53	1.5440	71.04	2.4530	46.01	-9.9999	CT
436-36-5	337.80	1.5280	71.36	2.4916	46.70	0.9491	CT
436-36-6	339.86	1.4600	75.40	3.0650	-99.99	0.8901	CT
436-36-7	340.16	1.4590	74.18	2.8730	50.86	-9.9999	CT
436-37-1	341.20	1.5560	68.61	2.1857	44.10	0.9240	CT
436-37-2	342.38	-9.9999	-99.99	-9.9999	-99.99	0.9451	CT
436-37-3	344.20	1.5140	71.33	2.4880	47.11	0.9410	CT
436-37-4	345.88	1.5320	70.60	2.4014	46.10	-9.9999	CT
436-37-5	346.81	1.4570	73.79	2.8153	50.63	-9.9999	CT
436-37-6	349.10	1.5205	70.89	2.4352	50.70	0.9700	CT
436-38-1	350.45	1.5630	71.10	2.4602	45.50	-9.9999	CT
436-38-2	351.90	1.5850	67.58	2.0845	42.63	1.1161	CT
436-38-3	353.50	1.5940	67.88	2.1133	42.59	1.1911	CT
436-38-4	354.80	1.5100	72.60	2.6496	-99.99	-9.9999	CT
436-38-5	357.11	1.5200	72.21	2.5984	47.51	0.9859	CT
436-38-6	358.92	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CT
436-38-7	359.30	1.5570	69.71	2.3014	44.77	0.9909	CT
436-39-1	359.85	1.5830	68.78	2.2031	43.45	-9.9999	CT
436-39-2	361.18	1.6300	68.30	2.1546	-99.99	-9.9999	CT
436-39-3	363.27	-9.9999	-99.99	-9.9999	-99.99	1.1161	CT
436-39-3	363.51	-9.9999	-99.99	-9.9999	-99.99	1.1161	CT
436-39-4	364.30	1.6760	65.71	1.9163	39.21	-9.9999	CT
436-39-5	366.28	1.7500	62.12	1.6400	39.21	1.0970	CT
436-39-6	367.50	-9.9999	-99.99	-9.9999	-99.99	1.3710	CT
436-4-1	27.70	1.3780	73.84	2.8226	53.58	-9.9999	CT
436-4-2	29.60	1.3330	76.30	3.2194	57.25	-9.9999	CT
436-4-3	30.95	1.3990	72.41	2.6245	51.76	-9.9999	CT
436-4-4	32.40	1.4360	71.84	2.5511	50.03	0.9126	CT
436-4-5	33.75	1.4070	70.83	2.4282	50.32	0.9990	CT
436-4-6	34.85	-9.9999	-99.99	-9.9999	-99.99	0.8820	CT
436-40-1	369.84	1.6990	65.06	1.8620	38.30	1.0951	CT
436-40-3	372.72	1.7120	63.02	1.7042	36.82	1.1911	CT
436-40-4	374.98	1.7200	63.70	1.7548	-99.99	-9.9999	CT
436-40-5	375.51	1.7010	63.26	1.7218	37.18	1.0370	CT
436-40-7	378.20	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CT
436-41-1	378.76	1.6900	-99.99	-9.9999	-99.99	-9.9999	CT
436-41-1	378.94	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CT
436-42-1	388.07	1.6900	-99.99	-9.9999	-99.99	-9.9999	CT
436-5-1	37.88	1.4110	75.49	3.0791	53.56	0.8569	CT
436-5-2	38.50	1.3870	77.94	3.5331	56.21	0.8569	CT
436-5-3	40.60	1.3930	67.66	2.0921	48.56	0.9200	CT
436-5-4	41.15	1.3740	71.46	2.5039	52.02	0.9030	CT



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
436-6-1	47.18	1.5230	69.81	2.3124	45.84	-9.9999	CT
436-6-2	48.50	1.4420	68.63	2.1878	47.59	0.9281	CT
436-6-3	49.95	1.4500	68.35	2.1596	47.15	0.8949	CT
436-6-4	51.58	1.4200	70.73	2.4165	49.80	0.8650	CT
436-6-5	52.31	1.4430	67.66	2.0921	46.89	0.9109	CT
436-7-1	56.80	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CT
436-7-2	57.85	1.4520	65.20	1.8736	44.89	0.9240	CT
436-7-3	59.30	1.4590	78.54	3.6598	53.84	0.8989	CT
436-7-4	60.50	1.4330	69.60	2.2895	48.58	0.8490	CT
436-7-5	62.80	1.4000	64.34	1.8043	45.95	0.8779	CT
436-7-6	63.15	1.4800	69.70	2.3003	-99.99	0.8691	CT
436-8-1	65.84	1.4300	73.10	2.7175	-99.99	0.8569	CT
436-8-2	67.50	1.2640	66.89	2.0202	52.90	0.8569	CT
436-8-3	68.90	1.4520	69.49	2.2776	47.85	0.8569	CT
436-8-4	70.24	1.4330	72.87	2.6860	50.86	0.8321	CT
436-8-5	71.20	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CT
436-9-1	75.40	1.4200	71.51	2.5100	50.35	-9.9999	CT
436-9-2	76.95	1.4890	60.14	1.5088	41.49	0.8151	CT
436-9-3	78.35	1.3700	77.35	3.4150	56.45	0.8531	CT
436-9-4	79.80	1.3780	70.36	2.3738	51.07	0.8860	CT
436-9-5	81.40	-9.9999	-99.99	-9.9999	-99.99	0.8820	CT
436-9-6	82.40	1.5340	60.10	1.5063	39.19	0.8189	CT
438A-10-1	145.85	1.2800	82.10	4.5866	-99.99	0.7759	CS
438A-10-2	146.15	-9.9999	-99.99	-9.9999	-99.99	0.8261	CS
438A-10-3	147.95	1.2860	62.40	1.6596	48.52	0.7781	CS
438A-10-4	149.59	-9.9999	-99.99	-9.9999	-99.99	0.7690	CS
438A-10-5	151.30	1.3630	71.03	2.4518	52.12	0.7699	CS
438A-11-1	154.75	-9.9999	-99.99	-9.9999	-99.99	0.7590	CS
438A-11-2	156.90	1.2820	71.52	2.5112	55.79	0.7640	CS
438A-11-4	159.38	1.3600	76.90	3.3290	-99.99	0.7680	CS
438A-11-5	161.19	1.3060	69.05	2.2310	52.04	0.7900	CS
438A-11-6	162.30	1.3300	78.80	3.7170	-99.99	0.7530	CS
438A-12-1	147.38	1.4180	69.67	2.2971	49.12	0.7341	CS
438A-13-2	175.42	1.4400	72.63	2.6536	50.44	0.7000	CS
438A-13-3	176.79	1.2800	82.10	4.5866	-99.99	0.7950	CS
438A-13-4	178.45	1.2160	69.33	2.2605	57.02	0.8550	CS
438A-14-1	183.30	1.2800	82.10	4.5866	-99.99	0.7680	CS
438A-14-2	184.80	1.2210	60.10	1.5063	49.21	0.7580	CS
438A-14-4	187.43	1.0420	56.88	1.3191	54.61	0.8120	CS
438A-14-5	189.20	1.3200	79.50	3.8780	-99.99	0.7869	CS
438A-16-1	202.35	1.6960	84.65	5.5147	50.48	0.8041	CS
438A-16-2	203.27	-9.9999	-99.99	-9.9999	-99.99	0.8110	CS
438A-16-3	205.35	-9.9999	-99.99	-9.9999	-99.99	0.8820	CS
438A-16-5	208.43	1.3590	65.87	1.9300	48.46	-9.9999	CS



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
438A-17-1	211.86	1.3360	70.17	2.3523	52.51	0.8230	CS
438A-17-2	213.40	1.3600	76.90	3.3290	-99.99	0.9649	CS
438A-17-3	214.83	1.3240	68.76	2.2010	51.95	-9.9999	CS
438A-18-4	225.89	-9.9999	-99.99	-9.9999	39.31	0.7021	CS
438A-19-1	230.45	1.3540	68.50	2.1746	50.60	0.8311	CS
438A-19-3	233.00	1.3300	78.80	3.7170	-99.99	-9.9999	CS
438A-19-4	236.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
438A-19-5	236.64	1.3355	76.67	3.2863	57.40	0.7929	CS
438A-20-2	241.50	1.3920	72.96	2.6982	52.43	0.8101	CS
438A-20-3	243.64	1.3100	80.20	4.0505	-99.99	0.7169	CS
438A-21-1	249.20	1.4440	93.58	14.5763	64.81	0.8139	CS
438A-21-2	250.65	1.2750	63.41	1.7330	49.74	0.8129	CS
438A-21-3	253.20	1.3720	70.74	2.4176	51.55	0.8930	CS
438A-22-1	258.60	1.3500	68.34	2.1586	50.60	0.7831	CS
438A-22-2	260.30	1.3940	75.34	3.0552	54.07	0.7389	CS
438A-23-1	268.40	1.4130	69.71	2.3014	49.32	0.7721	CS
438A-24-1	278.00	1.5270	62.36	1.6567	40.85	0.8789	CS
438A-24-2	279.44	-9.9999	-99.99	-9.9999	-99.99	0.9030	CS
438A-24-4	282.19	-9.9999	-99.99	-9.9999	-99.99	0.8421	CS
438A-24-6	285.45	-9.9999	-99.99	-9.9999	48.88	0.7021	CS
438A-25-1	287.40	1.3690	71.45	2.5026	52.20	0.8700	CS
438A-25-3	290.40	1.5500	84.59	5.4893	54.56	0.7169	CS
438A-26-1	296.95	-9.9999	-99.99	-9.9999	49.04	0.7291	CS
438A-26-4	301.30	1.3860	70.01	2.3344	50.52	0.8239	CS
438A-26-5	303.05	-9.9999	-99.99	-9.9999	46.13	0.7621	CS
438A-26-6	304.40	-9.9999	-99.99	-9.9999	48.26	0.7341	CS
438A-27-3	309.25	-9.9999	-99.99	-9.9999	51.72	0.8189	CS
438A-27-4	311.31	1.3690	72.50	2.6364	52.94	0.8211	CS
438A-28-1	315.90	-9.9999	-99.99	-9.9999	55.15	-9.9999	CS
438A-28-3	319.30	1.2900	81.50	4.4054	-99.99	0.7621	CS
438A-28-5	322.70	1.3260	76.94	3.3365	58.02	0.7771	CS
438A-29-2	326.91	1.1980	60.47	1.5297	50.49	0.7790	CS
438A-29-4	330.15	-9.9999	-99.99	-9.9999	-99.99	0.7731	CS
438A-29-6	332.98	1.3300	78.80	3.7170	56.38	-9.9999	CS
438A-30-1	335.07	1.3200	79.50	3.8780	51.72	0.7740	CS
438A-30-4	337.97	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
438A-30-5	341.54	1.4380	70.15	2.3501	48.77	-9.9999	CS
438A-31-1	345.16	1.2800	82.10	4.5866	-99.99	0.8051	CS
438A-31-3	348.20	1.4370	71.20	2.4722	49.57	0.8051	CS
438A-31-6	350.93	1.2800	82.10	4.5866	-99.99	0.8101	CS
438A-32-1	354.54	1.3750	71.92	2.5613	52.29	0.7960	CS
438A-32-3	358.00	1.3980	71.47	2.5051	51.13	0.7819	CS
438A-32-4	358.78	1.3500	77.50	3.4444	-99.99	-9.9999	CS
438A-33-1	363.57	1.4000	74.20	2.8760	-99.99	0.9551	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
438A-33-3	367.35	1.3800	75.60	3.0984	45.56	-9.9999	CS
438A-33-5	370.06	1.4870	67.05	2.0349	45.10	0.8340	CS
438A-34-1	373.20	1.5170	64.03	1.7801	42.21	0.9181	CS
438A-34-3	375.57	-9.9999	-99.99	-9.9999	-99.99	0.8581	CS
438A-34-5	378.50	1.4600	67.20	2.0488	46.63	0.8239	CS
438A-35-1	382.74	1.3800	75.60	3.0984	46.27	0.8930	CS
438A-35-3	385.47	-9.9999	-99.99	-9.9999	-99.99	0.8989	CS
438A-35-5	388.60	1.5020	67.89	2.1143	45.21	0.8390	CS
438A-36-1	392.83	1.5330	66.89	2.0202	43.63	0.8999	CS
438A-36-3	395.00	1.4400	71.60	2.5211	-99.99	0.8610	CS
438A-36-5	398.32	1.4305	70.92	2.4382	48.80	0.8230	CS
438A-37-1	402.15	1.4680	75.85	3.1408	51.65	0.9071	CS
438A-37-3	404.51	1.4260	71.18	2.4698	49.91	0.7021	CS
438A-39-1	420.19	1.4800	69.10	2.2362	45.32	0.8901	CS
438A-39-3	423.28	1.3700	76.30	3.2194	44.72	0.9319	CS
438A-39-5	426.19	1.5440	63.50	1.7397	41.13	0.9840	CS
438A-40-1	429.57	1.4940	66.05	1.9455	44.21	0.9470	CS
438A-40-3	432.60	1.3960	69.02	2.2279	49.44	0.7979	CS
438A-40-5	436.45	1.4000	74.20	2.8760	46.70	0.8939	CS
438A-44-3	471.14	1.4400	72.00	2.5714	49.50	-9.9999	CS
438A-44-5	473.40	1.4800	69.10	2.2362	43.26	0.9011	CS
438A-44-6	475.62	-9.9999	-99.99	-9.9999	-99.99	0.8770	CS
438A-45-1	479.28	1.5100	66.90	2.0211	42.65	0.9090	CS
438A-45-3	482.38	1.4700	69.80	2.3113	-99.99	0.9021	CS
438A-45-4	483.77	1.5005	66.07	1.9472	44.06	-9.9999	CS
438A-46-1	489.92	1.4900	68.40	2.1646	47.00	0.8060	CS
438A-46-5	494.84	1.5400	64.80	1.8409	38.38	1.0060	CS
438A-47-2	500.95	1.5450	64.66	1.8297	41.86	0.9419	CS
438A-47-4	502.63	1.4600	70.60	2.4014	39.90	1.0100	CS
438A-47-6	506.13	1.4400	72.00	2.5714	44.08	0.9589	CS
438A-48-1	508.49	1.4600	70.60	2.4014	41.54	1.0041	CS
438A-48-3	510.56	1.5880	63.28	1.7233	39.84	0.8729	CS
438A-48-5	513.78	1.4400	71.80	2.5461	46.74	0.9140	CS
438A-49-1	517.64	1.4200	72.70	2.6630	45.57	0.8999	CS
438A-49-3	521.16	1.4200	72.70	2.6630	-99.99	0.9520	CS
438A-49-5	523.19	1.4540	69.46	2.2744	47.76	0.8481	CS
438A-50-1	527.73	1.4560	65.10	1.8653	44.73	0.8770	CS
438A-50-3	529.56	1.3400	78.30	3.6083	-99.99	1.0141	CS
438A-50-5	533.79	1.3200	66.20	1.9586	-99.99	0.8631	CS
438A-51-1	536.14	1.5600	63.30	1.7248	-99.99	0.9150	CS
438A-51-3	539.08	1.5400	64.80	1.8409	-99.99	0.8650	CS
438A-51-5	542.77	1.5200	66.20	1.9586	-99.99	0.9740	CS
438A-51-7	545.29	1.5840	61.87	1.6226	-99.99	1.1431	CS
438A-52-2	547.86	1.4200	73.10	2.7175	-99.99	0.8481	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
438A-52-4	551.35	1.4000	74.60	2.9370	-99.99	0.9429	CS
438A-52-6	553.38	-9.9999	-99.99	-9.9999	-99.99	0.8490	CS
438A-53-2	556.75	1.3900	74.90	2.9841	-99.99	0.8710	CS
438A-54-1	564.78	1.5470	64.34	1.8043	-99.99	0.8101	CS
438A-55-1	574.15	1.6040	60.33	1.5208	37.65	0.9231	CS
438A-55-3	577.35	-9.9999	-99.99	-9.9999	-99.99	0.9061	CS
438A-55-4	579.16	-9.9999	-99.99	-9.9999	-99.99	0.8889	CS
438A-56-3	587.82	1.5960	59.63	1.4771	37.36	0.9969	CS
438A-56-4	589.37	-9.9999	-99.99	-9.9999	-99.99	0.9639	CS
438A-56-5	590.60	1.5620	60.41	1.5259	38.67	0.9209	CS
438A-56-6	592.32	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
438A-57-1	593.47	1.5450	63.96	1.7747	41.40	-9.9999	CS
438A-57-3	596.13	1.5400	65.50	1.8986	-99.99	-9.9999	CS
438A-58-1	602.69	1.6240	57.73	1.3657	35.55	-9.9999	CS
438A-59-1	613.15	1.5670	63.54	1.7427	-99.99	0.9011	CS
438A-59-3	616.00	1.6030	39.05	0.6407	24.36	-9.9999	CS
438A-6-1	107.10	1.3050	68.37	2.1616	52.39	0.8170	CS
438A-6-2	108.70	1.2980	71.63	2.5249	55.19	0.7680	CS
438A-6-3	110.16	-9.9999	-99.99	-9.9999	-99.99	0.8110	CS
438A-6-4	111.50	1.2930	62.37	1.6575	48.22	0.7991	CS
438A-60-1	622.00	1.7925	46.50	0.8692	44.24	1.3860	CS
438A-60-3	624.51	1.4400	72.00	2.5714	-99.99	0.9611	CS
438A-63-1	650.45	-9.9999	-99.99	-9.9999	35.84	0.9080	CS
438A-64-1	659.75	1.4100	74.20	2.8760	47.70	0.7831	CS
438A-64-3	663.37	1.4640	60.79	1.5504	41.51	0.9231	CS
438A-64-5	666.59	1.5435	55.95	1.2704	36.25	0.9030	CS
438A-65-1	670.26	1.5190	57.06	1.3288	37.57	0.9369	CS
438A-65-4	674.55	1.4670	46.33	0.8632	31.59	0.9441	CS
438A-65-6	677.81	1.8900	41.60	0.7123	35.05	0.8471	CS
438A-66-1	679.88	2.3800	-99.99	-9.9999	38.07	0.7809	CS
438A-68-1	697.68	1.5140	53.73	1.1612	35.48	0.9379	CS
438A-68-2	700.39	1.4800	69.10	2.2362	51.14	0.9011	CS
438A-7-1	116.45	1.3900	74.20	2.8760	-99.99	0.7511	CS
438A-7-2	118.27	1.2010	61.70	1.6110	51.39	0.8519	CS
438A-7-3	119.83	1.3000	80.80	4.2083	-99.99	0.7671	CS
438A-7-4	121.09	1.3980	67.93	2.1182	48.58	0.7570	CS
438A-70-1	717.52	1.4900	68.40	2.1646	33.76	0.9159	CS
438A-70-5	723.02	1.5740	65.31	1.8827	41.50	0.9589	CS
438A-71-1	727.10	1.5210	53.58	1.1542	35.22	-9.9999	CS
438A-71-5	732.50	1.6900	55.40	1.2422	37.85	0.9231	CS
438A-72-1	736.00	1.5120	51.42	1.0585	34.01	-9.9999	CS
438A-72-3	739.36	1.5700	63.50	1.7397	31.58	-9.9999	CS
438A-72-5	742.37	1.4570	51.80	1.0747	35.55	0.9159	CS
438A-73-1	745.12	1.6100	60.40	1.5253	-99.99	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
438A-73-2	746.86	-9.9999	-99.99	-9.9999	-99.99	0.9501	CS
438A-73-3	748.75	1.5480	64.89	1.8482	41.92	0.8920	CS
438A-73-5	751.20	1.6800	55.70	1.2573	-99.99	-9.9999	CS
438A-74-1	755.33	1.6070	54.80	1.2124	28.86	-9.9999	CS
438A-75-1	764.80	1.5985	52.68	1.1232	39.48	0.8741	CS
438A-76-1	774.28	1.5095	59.59	1.4746	34.82	-9.9999	CS
438A-77-1	783.87	1.4060	51.18	1.0483	36.39	-9.9999	CS
438A-78-1	793.50	1.4400	72.00	2.5714	-99.99	0.8409	CS
438A-78-3	795.65	1.3640	68.58	2.1827	50.27	0.8519	CS
438A-78-4	797.67	-9.9999	-99.99	-9.9999	-99.99	0.8839	CS
438A-79-1	802.45	1.4200	62.88	1.6936	37.97	0.8509	CS
438A-79-3	806.05	1.3650	62.37	1.6575	45.70	-9.9999	CS
438A-79-6	809.68	1.7100	53.90	1.1692	-99.99	0.9209	CS
438A-8-1	126.12	1.2860	72.87	2.6860	56.65	-9.9999	CS
438A-8-3	129.48	-9.9999	-99.99	-9.9999	-99.99	0.8041	CS
438A-8-4	130.40	1.2810	52.87	1.1218	41.26	0.7451	CS
438A-8-5	132.20	1.2800	82.10	4.5866	-99.99	0.7709	CS
438A-8-6	133.12	1.3800	75.60	3.0984	-99.99	-9.9999	CS
438A-80-2	813.14	1.4400	59.92	1.4950	41.61	0.9030	CS
438A-80-3	815.58	-9.9999	-99.99	-9.9999	-99.99	0.8789	CS
438A-80-4	816.90	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
438A-82-1	830.56	1.5390	64.21	1.7941	-99.99	-9.9999	CS
438A-82-2	832.60	-9.9999	-99.99	-9.9999	-99.99	0.9451	CS
438A-82-3	834.00	1.6280	54.46	1.1959	33.46	1.0010	CS
438A-84-1	850.95	1.6170	48.64	0.9470	30.07	-9.9999	CS
438A-84-2	851.28	1.7100	52.50	1.1053	-99.99	-9.9999	CS
438A-84-4	854.29	1.7400	50.50	1.0202	-99.99	-9.9999	CS
438A-84-5	855.58	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
438A-85-1	859.30	1.6700	55.10	1.2272	-99.99	0.9369	CS
438A-85-3	862.01	1.5900	60.60	1.5381	-99.99	-9.9999	CS
438A-9-1	135.46	1.3110	62.08	1.6371	47.35	0.7621	CS
438B-11-1	920.20	1.5800	61.31	1.5846	-99.99	0.9749	CS
438B-11-2	921.10	1.7700	47.80	0.9157	-99.99	0.8249	CS
438B-12-1	928.90	1.7780	39.80	0.6611	22.38	-9.9999	CS
438B-12-2	931.58	2.2530	10.61	0.1187	4.71	-9.9999	CS
438B-12-3	932.30	1.5390	64.15	1.7894	-99.99	-9.9999	CS
438B-12-4	934.33	1.5100	66.30	1.9674	-99.99	1.0010	CS
438B-12-5	935.19	-9.9999	-99.99	-9.9999	-99.99	0.9369	CS
438B-13-1	939.11	1.6100	59.40	1.4631	-99.99	-9.9999	CS
438B-13-2	940.69	1.6100	52.98	1.1268	32.91	1.0280	CS
438B-13-3	941.57	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
438B-15-1	957.42	1.7200	51.50	1.0619	-99.99	1.0870	CS
438B-15-2	958.94	1.7180	50.29	1.0117	29.27	1.0091	CS
438B-16-1	966.54	1.6860	50.90	1.0367	30.19	1.1030	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
438B-17-1	976.68	1.8955	29.87	0.4258	15.85	-9.9999	CS
438B-17-2	978.44	2.0700	32.00	0.4706	-99.99	1.4290	CS
438B-17-3	978.77	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
438B-18-1	986.51	2.1020	29.85	0.4255	15.79	1.4109	CS
438B-18-2	988.11	1.7500	24.77	0.3293	14.15	1.3380	CS
438B-18-3	988.53	1.7710	25.15	0.3360	14.48	0.6292	CS
438B-19-4	1000.00	1.8340	26.16	0.3543	14.27	0.6606	CS
438B-20-1	1005.65	-9.9999	-99.99	-9.9999	24.76	-9.9999	CS
438B-20-2	1007.08	2.1200	30.13	0.4312	14.21	1.3851	CS
438B-20-4	1009.12	2.1700	25.70	0.3459	12.77	1.0141	CS
438B-21-2	1016.60	2.0490	30.80	0.4451	15.03	1.2671	CS
438B-21-3	1018.11	2.0410	33.80	0.5106	13.02	0.6204	CS
438B-22-1	1024.65	1.6600	58.66	1.4190	-99.99	-9.9999	CS
438B-23-1	1032.95	2.0240	31.70	0.4641	15.67	-9.9999	CS
438B-23-2	1034.75	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
438B-23-3	1035.82	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
438B-4-2	855.08	1.5380	62.67	1.6788	40.75	1.0389	CS
438B-4-6	862.25	1.6240	53.14	1.1340	32.72	-9.9999	CS
438B-5-1	862.82	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
438B-6-1	873.55	1.4740	68.72	2.1969	-99.99	0.9021	CS
438B-7-1	882.74	1.8470	41.79	0.7179	22.62	0.9620	CS
438B-8-2	988.09	1.9800	33.43	0.5022	-99.99	-9.9999	CS
438B-8-CC	892.48	1.4220	72.36	2.6179	-99.99	-9.9999	CS
438B-9-1	901.75	1.9130	36.79	0.5820	19.24	-9.9999	CS
438B-9-3	904.03	1.9590	35.47	0.5497	18.10	-9.9999	CS
439-10-1	897.55	1.6840	56.00	1.2727	33.25	0.9881	CS
439-10-2	900.63	1.7380	52.25	1.0942	30.06	1.2260	CS
439-11-1	906.97	1.7330	52.35	1.0986	30.21	1.1070	CS
439-11-3	910.03	1.7400	51.37	1.0563	29.53	0.9871	CS
439-13-1	925.84	1.7890	44.65	0.8067	24.95	0.9240	CS
439-13-2	927.85	2.0535	37.27	0.5941	18.20	1.2630	CS
439-14-1	933.11	2.0960	33.26	0.4984	15.86	1.4030	CS
439-15-1	935.95	1.9620	38.38	0.6228	19.56	1.2499	CS
439-16-1	944.81	1.9730	35.98	0.5620	18.23	-9.9999	CS
439-16-2	946.17	1.9100	42.30	0.7331	-99.99	1.1171	CS
439-16-3	947.70	1.8200	44.29	0.7950	24.34	-9.9999	CS
439-17-1	954.40	2.1050	29.57	0.4198	14.05	0.6526	CS
439-17-2	955.95	1.8100	48.80	0.9531	-99.99	-9.9999	CS
439-18-1	964.50	2.0290	35.35	0.5468	17.51	1.1789	CS
439-18-2/3	965.30	1.9600	39.40	0.6502	-99.99	1.0731	CS
439-18-3	966.80	1.9170	41.60	0.7123	21.70	1.3691	CS
439-19-1	973.35	1.9490	38.67	0.6305	19.84	1.2659	CS
439-20-1	983.20	2.0130	38.18	0.6175	19.13	1.3901	CS
439-20-2	984.30	1.7800	50.80	1.0325	-99.99	1.4011	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
439-5-1	850.52	1.5550	56.32	1.2894	36.22	1.0910	CS
439-5-2	851.30	-9.9999	-99.99	-9.9999	-99.99	1.0380	CS
439-7-2	871.08	1.7120	53.76	1.1626	31.40	0.9849	CS
439-7-3	872.95	1.7090	52.05	1.0855	30.45	-9.9999	CS
439-8-1	878.58	1.6970	54.58	1.2017	32.17	1.1431	CS
439-8-2	880.25	1.7530	51.87	1.0777	29.58	1.0110	CS
439-8-4	883.25	1.6140	55.15	1.2297	34.17	0.9699	CS
439-9-1	888.01	1.5610	53.85	1.1668	34.50	1.0301	CS
439-9-3	891.00	1.6310	54.80	1.2124	33.59	0.9689	CS
440-4-1	26.35	1.5500	67.70	2.0960	-99.99	0.8789	CS
440-4-2	27.88	1.5430	70.13	2.3478	45.45	0.9699	CS
440-4-3	29.56	1.6800	59.80	1.4876	-99.99	0.8700	CS
440-4-4	31.20	-9.9999	-99.99	-9.9999	-99.99	0.9560	CS
440-4-5	31.86	-9.9999	-99.99	-9.9999	-99.99	0.9130	CS
440-4-6	33.88	1.6730	65.90	1.9326	39.39	0.8989	CS
440-5-1	36.07	-9.9999	-99.99	-9.9999	-99.99	0.9190	CS
440-5-2	36.82	1.5830	62.30	1.6525	39.36	0.9331	CS
440-5-3	38.66	1.5100	69.00	2.2258	-99.99	0.9460	CS
440-5-4	40.60	-9.9999	-99.99	-9.9999	-99.99	0.8829	CS
440-5-5	41.75	1.4890	65.93	1.9351	44.29	0.8779	CS
440-5-6	42.74	-9.9999	-99.99	-9.9999	-99.99	0.8980	CS
440-6-1	44.50	1.5500	66.25	1.9630	-99.99	0.9040	CS
440-6-2	46.89	1.6250	64.60	1.8249	39.75	0.9181	CS
440-6-4	49.25	-9.9999	-99.99	-9.9999	-99.99	0.8299	CS
440-7-1	55.16	1.4900	70.30	2.3670	-99.99	0.8569	CS
440-7-2	56.10	1.5550	66.73	2.0057	42.92	0.9061	CS
440-8-1	64.20	1.5220	63.73	1.7571	41.87	0.9290	CS
440A-2-1	83.50	1.4100	72.90	2.6900	-99.99	0.8939	CS
440A-2-2	84.22	1.4500	72.90	2.6900	45.95	0.8189	CS
440A-2-3	86.53	1.4800	71.00	2.4483	-99.99	0.9080	CS
440A-2-4	87.90	1.4830	68.72	2.1969	46.33	0.9319	CS
440A-2-5	89.80	1.5960	61.36	1.5880	38.44	1.0069	CS
440A-2-6	90.43	-9.9999	-99.99	-9.9999	-99.99	1.0110	CS
440A-3-1	92.60	1.5100	69.00	2.2258	-99.99	0.9529	CS
440A-3-2	94.14	1.5470	64.05	1.7816	41.39	0.9580	CS
440A-3-3	95.60	1.6100	62.40	1.6596	-99.99	0.9809	CS
440A-4-1	102.90	1.5800	64.40	1.8090	39.33	0.9595	CS
440A-5-3	114.85	1.7680	60.52	1.5329	34.22	1.0129	CS
440A-5-4	116.15	-9.9999	-99.99	-9.9999	-99.99	0.8961	CS
440A-5-5	118.12	1.6100	62.40	1.6596	-99.99	1.0301	CS
440A-5-6	118.69	1.6340	57.73	1.3657	35.33	0.9689	CS
440A-6-2	123.28	1.4460	61.24	1.5800	42.36	0.8089	CS
440A-7-1	130.60	1.5730	53.50	1.1505	34.01	0.9290	CS
440A-7-3	133.60	1.6060	56.90	1.3202	35.44	0.9319	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
440A-7-6	138.95	-9.9999	-99.99	-9.9999	42.08	-9.9999	CS
440B-1-1	140.17	1.5300	67.70	2.0960	-99.99	0.8829	CS
440B-1-2	141.15	1.5740	63.57	1.7450	40.08	0.8760	CS
440B-10-1	226.00	1.8240	52.26	1.0947	28.65	1.0499	CS
440B-10-2	226.55	-9.9999	-99.99	-9.9999	-99.99	1.0690	CS
440B-10-3	229.26	1.6900	57.50	1.3529	-99.99	1.0870	CS
440B-10-4	230.20	1.6460	60.08	1.5050	38.42	1.0320	CS
440B-10-5	232.04	1.6200	61.60	1.6042	-99.99	0.8989	CS
440B-10-6	233.51	-9.9999	-99.99	-9.9999	40.80	0.9661	CS
440B-11-1	235.00	1.6400	60.40	1.5253	-99.99	0.9491	CS
440B-11-2	236.51	1.6700	58.20	1.3923	32.13	0.9771	CS
440B-11-3	238.00	1.6500	59.80	1.4876	-99.99	0.9109	CS
440B-11-4	239.49	1.6600	59.16	1.4486	-99.99	1.0210	CS
440B-11-5	241.33	1.6700	58.40	1.4038	-99.99	0.9931	CS
440B-11-6	242.58	-9.9999	-99.99	-9.9999	44.42	0.9790	CS
440B-12-1	244.39	1.6720	58.41	1.4044	-99.99	1.0339	CS
440B-12-2	246.25	-9.9999	-99.99	-9.9999	-99.99	0.8989	CS
440B-12-4	249.29	-9.9999	-99.99	-9.9999	-99.99	0.8911	CS
440B-12-5	251.00	1.6200	61.60	1.6042	-99.99	0.8710	CS
440B-13-1	252.80	-9.9999	-99.99	-9.9999	-99.99	0.9570	CS
440B-13-2	255.77	-9.9999	-99.99	-9.9999	36.85	-9.9999	CS
440B-13-3	257.40	1.6610	54.09	1.1782	-99.99	0.9730	CS
440B-13-4	258.56	1.6880	62.61	1.6745	37.10	1.0540	CS
440B-14-1	263.75	1.6800	58.00	1.3810	-99.99	-9.9999	CS
440B-14-2	265.23	1.6390	59.95	1.4969	36.58	0.9670	CS
440B-14-3	266.64	1.6000	62.80	1.6882	-99.99	0.8920	CS
440B-14-4	268.03	-9.9999	-99.99	-9.9999	-99.99	0.9501	CS
440B-14-5	269.61	1.5600	65.40	1.8902	-99.99	0.9580	CS
440B-14-6	271.32	1.6980	61.05	1.5674	35.94	0.9680	CS
440B-15-1	272.67	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
440B-15-2	275.00	1.6450	61.64	1.6069	37.47	0.9730	CS
440B-15-4	277.10	1.6000	63.30	1.7248	36.27	0.9589	CS
440B-15-5	279.90	1.6510	58.16	1.3901	35.23	-9.9999	CS
440B-16-1	282.65	1.5570	65.76	1.9206	34.83	0.9369	CS
440B-16-4	286.86	1.6360	59.36	1.4606	35.21	-9.9999	CS
440B-17-1	292.53	-9.9999	-99.99	-9.9999	38.11	1.0220	CS
440B-17-4	296.90	1.7000	56.80	1.3148	-99.99	1.0239	CS
440B-18-1	301.77	1.6600	63.30	1.7248	32.58	0.9529	CS
440B-18-3	304.90	1.6600	59.00	1.4390	30.18	0.9699	CS
440B-19-2	312.45	1.6650	58.85	1.4301	35.49	0.9441	CS
440B-19-4	315.57	1.6700	58.20	1.3923	36.36	0.9689	CS
440B-20-1	320.21	1.7200	55.00	1.2222	31.32	0.9520	CS
440B-20-3	323.90	1.6200	61.90	1.6247	35.32	0.9269	CS
440B-20-5	327.33	1.6500	59.60	1.4752	35.24	0.9921	CS



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
440B-21-1	330.21	-9.9999	-99.99	-9.9999	39.66	0.8851	CS
440B-21-4	334.50	1.7300	54.60	1.2026	33.02	-9.9999	CS
440B-21-5	335.84	1.6900	57.50	1.3529	29.47	0.9981	CS
440B-22-1	340.13	-9.9999	-99.99	-9.9999	33.75	-9.9999	CS
440B-22-2	341.64	1.7400	54.20	1.1834	-99.99	0.9360	CS
440B-23-1	348.82	1.7500	53.60	1.1552	-99.99	0.8851	CS
440B-23-2	350.70	1.6900	57.50	1.3529	-99.99	0.9171	CS
440B-23-3	352.28	1.7100	55.60	1.2523	-99.99	0.9711	CS
440B-23-5	354.98	-9.9999	-99.99	-9.9999	-99.99	0.9539	CS
440B-24-1	358.37	1.7840	62.22	1.6469	34.88	-9.9999	CS
440B-24-2	360.93	-9.9999	-99.99	-9.9999	-99.99	0.8889	CS
440B-24-4	362.25	1.7200	55.50	1.2472	-99.99	0.8371	CS
440B-24-5	364.95	-9.9999	-99.99	-9.9999	-99.99	0.9560	CS
440B-24-6	366.18	1.7600	56.16	1.2810	31.91	-9.9999	CS
440B-25-1	368.08	1.7530	63.01	1.7034	35.94	-9.9999	CS
440B-26-1	377.50	1.6620	63.87	1.7678	38.43	0.8741	CS
440B-27-1	387.33	1.4900	66.60	1.9940	41.53	0.8851	CS
440B-27-2	388.80	1.4900	66.40	1.9762	30.09	0.9699	CS
440B-28-1	396.81	1.8040	63.24	1.7203	35.06	0.8810	CS
440B-28-3	399.48	1.5700	59.06	1.4426	37.63	-9.9999	CS
440B-28-4	401.90	1.6430	57.69	1.3635	35.11	-9.9999	CS
440B-29-1	406.90	1.5860	55.65	1.2548	35.08	0.9190	CS
440B-29-2	407.58	1.5300	63.80	1.7624	-99.99	0.9269	CS
440B-29-3	408.64	1.6100	58.10	1.3866	-99.99	1.2191	CS
440B-29-4	410.18	1.6910	51.77	1.0734	30.61	0.9281	CS
440B-3-1	159.09	1.7170	55.51	1.2477	-99.99	0.9990	CS
440B-3-2	160.43	1.5420	59.70	1.4814	38.72	0.8349	CS
440B-3-3	161.70	-9.9999	-99.99	-9.9999	-99.99	0.9470	CS
440B-3-4	163.86	1.5600	55.50	1.2472	35.57	0.7310	CS
440B-3-5	165.32	-9.9999	-99.99	-9.9999	-99.99	0.9150	CS
440B-3-6	167.16	-9.9999	-99.99	-9.9999	-99.99	0.8820	CS
440B-30-1	415.58	1.4900	66.20	1.9586	33.40	0.9491	CS
440B-31-1	425.14	1.4700	68.00	2.1250	34.94	0.8860	CS
440B-31-3	428.63	1.5000	65.50	1.8986	37.93	0.8789	CS
440B-32-1	434.63	1.5200	64.10	1.7855	37.21	0.8949	CS
440B-32-3	438.07	1.4500	69.60	2.2895	38.65	0.9049	CS
440B-33-2	445.29	1.5500	62.40	1.6596	39.92	0.8779	CS
440B-33-3	447.99	1.6350	56.09	1.2774	34.31	-9.9999	CS
440B-33-4	449.15	1.4800	66.90	2.0211	32.78	1.1020	CS
440B-34-1	454.15	1.7490	58.29	1.3975	33.33	0.9090	CS
440B-34-2	455.30	1.6010	54.76	1.2104	34.20	0.8999	CS
440B-35-1	463.25	1.5300	63.30	1.7248	39.00	0.8801	CS
440B-35-3	466.54	-9.9999	-99.99	-9.9999	38.41	0.9240	CS
440B-36-1	473.01	1.4900	66.20	1.9586	35.64	1.0050	CS



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
440B-36-3	475.69	1.5200	64.50	1.8169	38.96	0.8270	CS
440B-36-5	479.12	1.5100	65.20	1.8736	40.88	0.9130	CS
440B-37-1	482.46	1.4800	67.30	2.0581	-99.99	0.9240	CS
440B-37-2	484.37	1.5460	60.60	1.5381	39.19	0.8939	CS
440B-38-1	491.18	1.5100	64.80	1.8409	-99.99	0.9121	CS
440B-38-2	493.87	1.5200	61.00	1.5641	40.13	1.0301	CS
440B-38-3	494.19	-9.9999	-99.99	-9.9999	-99.99	0.8619	CS
440B-38-4	495.64	1.5120	60.98	1.5628	40.32	-9.9999	CS
440B-39-1	500.97	-9.9999	-99.99	-9.9999	-99.99	0.8641	CS
440B-39-2	502.24	1.5340	58.65	1.4184	38.24	0.8851	CS
440B-39-3	504.44	-9.9999	-99.99	-9.9999	-99.99	0.9049	CS
440B-39-4	506.06	1.4960	62.31	1.6532	41.65	1.0141	CS
440B-4-2	170.66	-9.9999	-99.99	-9.9999	-99.99	0.8450	CS
440B-4-3	172.40	1.5630	56.80	1.3148	36.34	-9.9999	CS
440B-4-4	173.52	1.6200	61.90	1.6247	-99.99	0.9419	CS
440B-40-1	510.40	1.5300	63.40	1.7322	-99.99	0.8829	CS
440B-40-2	511.76	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
440B-40-3	514.40	1.6210	59.53	1.4710	36.73	-9.9999	CS
440B-41-1	519.64	1.5200	64.10	1.7855	-99.99	0.8930	CS
440B-41-2	522.20	1.5400	62.60	1.6738	-99.99	0.8829	CS
440B-42-2	531.00	1.4830	66.93	2.0239	-99.99	0.9479	CS
440B-42-4	534.17	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
440B-43-1	538.75	-9.9999	-99.99	-9.9999	-99.99	0.9281	CS
440B-43-2	541.02	-9.9999	-99.99	-9.9999	-99.99	0.8665	CS
440B-43-3	543.42	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
440B-45-1	558.46	1.5400	63.10	1.7100	-99.99	1.0430	CS
440B-45-2	560.06	1.6000	58.80	1.4272	-99.99	0.9520	CS
440B-46-1	568.10	1.6000	58.60	1.4155	-99.99	0.9580	CS
440B-46-2	569.20	1.5500	61.80	1.6178	-99.99	0.9369	CS
440B-46-3	571.40	1.5810	53.75	1.1622	34.00	-9.9999	CS
440B-47-1	577.78	1.6300	56.20	1.2831	-99.99	-9.9999	CS
440B-48-1	587.14	1.4800	67.30	2.0581	-99.99	0.8810	CS
440B-48-3	589.81	1.5620	61.25	1.5806	-99.99	1.0311	CS
440B-48-5	592.88	1.5700	60.80	1.5510	-99.99	0.9319	CS
440B-49-1	596.40	-9.9999	-99.99	-9.9999	-99.99	1.0110	CS
440B-49-3	599.18	-9.9999	-99.99	-9.9999	-99.99	0.9649	CS
440B-49-5	601.97	-9.9999	-99.99	-9.9999	-99.99	0.9630	CS
440B-5-1	178.22	1.6370	59.87	1.4919	36.58	0.9331	CS
440B-5-3	181.79	1.6500	60.00	1.5000	-99.99	1.0041	CS
440B-5-5	184.40	1.6780	62.54	1.6695	37.26	0.9670	CS
440B-50-1	606.06	-9.9999	-99.99	-9.9999	-99.99	0.9940	CS
440B-51-1	614.81	1.4140	71.93	2.5625	-99.99	-9.9999	CS
440B-51-4	617.60	-9.9999	-99.99	-9.9999	30.47	1.0559	CS
440B-52-1	624.60	1.4800	67.20	2.0488	-99.99	0.9595	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
440B-52-2	626.65	1.5500	62.20	1.6455	-99.99	1.0179	CS
440B-52-3	627.53	1.6000	58.80	1.4272	-99.99	-9.9999	CS
440B-53-1	634.90	1.5000	65.50	1.8986	-99.99	0.9570	CS
440B-53-2	635.24	1.5500	62.20	1.6455	-99.99	0.9649	CS
440B-53-3	637.00	1.5500	62.20	1.6455	-99.99	1.0461	CS
440B-53-4	638.57	1.5400	62.80	1.6882	-99.99	1.0659	CS
440B-53-5	640.10	-9.9999	-99.99	-9.9999	-99.99	1.0681	CS
440B-53-6	641.42	-9.9999	-99.99	-9.9999	-99.99	1.0210	CS
440B-54-1	643.70	1.5800	60.11	1.5069	-99.99	1.0060	CS
440B-54-2	644.99	1.5600	61.50	1.5974	-99.99	1.0031	CS
440B-54-3	646.15	1.5600	61.50	1.5974	-99.99	1.1799	CS
440B-54-4	648.00	1.6300	56.00	1.2727	-99.99	1.0170	CS
440B-55-1	652.90	1.6500	55.00	1.2222	-99.99	0.9360	CS
440B-55-2	654.39	-9.9999	-99.99	-9.9999	-99.99	1.0160	CS
440B-55-3	655.70	1.6300	56.40	1.2936	-99.99	1.2699	CS
440B-55-4	657.48	-9.9999	-99.99	-9.9999	-99.99	0.6409	CS
440B-55-5	659.10	1.5700	60.60	1.5381	-99.99	0.9940	CS
440B-55-6	660.27	-9.9999	-99.99	-9.9999	-99.99	0.9219	CS
440B-56-1	662.82	1.5100	64.90	1.8490	-99.99	1.0330	CS
440B-56-2	664.58	-9.9999	-99.99	-9.9999	31.93	0.9560	CS
440B-56-3	665.77	1.5460	62.36	1.6567	-99.99	-9.9999	CS
440B-57-1	672.13	1.5900	59.00	1.4390	-99.99	0.9969	CS
440B-57-2	673.35	-9.9999	-99.99	-9.9999	-99.99	1.0399	CS
440B-57-3	675.16	1.5800	59.80	1.4876	-99.99	0.9790	CS
440B-57-4	677.08	-9.9999	-99.99	-9.9999	-99.99	0.9500	CS
440B-58-2	682.90	1.5500	62.40	1.6596	-99.99	1.0129	CS
440B-58-4	686.26	1.5920	58.72	1.4225	-99.99	1.0939	CS
440B-59-2	692.60	1.6800	52.40	1.1008	-99.99	1.1340	CS
440B-59-4	695.52	1.6200	57.40	1.3474	-99.99	1.0420	CS
440B-6-1	188.27	1.5700	65.10	1.8653	-99.99	0.8839	CS
440B-6-3	190.40	1.6210	59.77	1.4857	36.87	0.9630	CS
440B-6-5	193.15	1.5020	56.17	1.2815	37.39	0.9240	CS
440B-60-2	702.40	1.5900	59.00	1.4390	-99.99	1.0471	CS
440B-60-3	703.40	-9.9999	-99.99	-9.9999	-99.99	0.9830	CS
440B-61-2	711.43	1.5500	62.40	1.6596	-99.99	-9.9999	CS
440B-62-1	720.08	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
440B-63-2	730.75	1.5000	65.90	1.9326	-99.99	1.0201	CS
440B-63-4	733.21	-9.9999	-99.99	-9.9999	-99.99	1.0100	CS
440B-64-1	738.40	1.5330	63.29	1.7241	-99.99	0.9711	CS
440B-64-2	740.30	1.6050	58.11	1.3872	-99.99	0.9570	CS
440B-65-1	748.40	1.5700	60.60	1.5381	-99.99	-9.9999	CS
440B-66-1	757.70	1.5310	63.47	1.7375	-99.99	0.8041	CS
440B-66-2	759.32	1.5300	63.40	1.7322	-99.99	1.0289	CS
440B-66-3	760.39	1.5200	63.90	1.7701	-99.99	1.0411	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
440B-67-1	767.59	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
440B-67-2	768.93	-9.9999	-99.99	-9.9999	-99.99	1.0865	CS
440B-68-1	777.80	1.6730	53.20	1.1368	-99.99	1.0191	CS
440B-68-3	779.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
440B-69-1	786.73	-9.9999	-99.99	-9.9999	-99.99	1.0280	CS
440B-69-2	787.10	1.7200	49.71	0.9885	-99.99	1.0640	CS
440B-69-3	789.77	1.6450	55.27	1.2356	-99.99	1.0151	CS
440B-7-2	198.26	1.5700	64.80	1.8409	-99.99	0.8911	CS
440B-7-4	202.15	-9.9999	-99.99	-9.9999	-99.99	0.9341	CS
440B-7-5	203.04	-9.9999	-99.99	-9.9999	-99.99	0.9451	CS
440B-71-1	805.03	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
440B-71-2	807.20	-9.9999	-99.99	-9.9999	-99.99	1.0471	CS
440B-9-1	216.18	1.5420	66.74	2.0066	-99.99	0.9580	CS
440B-9-3	219.08	1.6700	58.20	1.3923	-99.99	0.9310	CS
441-2-1	7.50	1.3370	67.93	2.1182	50.80	-9.9999	CS
441-2-2	8.49	1.5900	67.00	2.0303	50.38	0.9090	CS
441-2-4	11.67	-9.9999	-99.99	-9.9999	47.54	0.8349	CS
441-7-1	150.00	2.3540	14.65	0.1716	6.22	0.8966	CS
441-9-1	264.07	1.6600	57.20	1.3364	37.78	-9.9999	CS
441-9-2	266.00	-9.9999	-99.99	-9.9999	42.38	-9.9999	CS
441A-10-2	578.53	2.3350	19.49	0.2421	8.34	-9.9999	CS
441A-11-1	586.63	1.8890	40.06	0.6683	21.21	1.1529	CS
441A-12-1	605.95	-9.9999	-99.99	-9.9999	17.20	-9.9999	CS
441A-13-1	624.91	1.8330	42.82	0.7489	23.36	-9.9999	CS
441A-14-1	644.48	2.0000	32.67	0.4852	16.34	-9.9999	CS
441A-15-1	653.59	1.8410	42.95	0.7528	23.33	-9.9999	CS
441A-2-1	130.16	1.5020	74.37	2.9017	-99.99	-9.9999	CS
441A-8-1	510.90	1.6050	58.20	1.3923	36.26	-9.9999	CS
441A-9-1	568.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
441A-H1-1	291.50	1.5630	62.84	1.6911	40.21	-9.9999	CS
441A-H1-2	291.50	1.5480	60.21	1.5132	38.90	-9.9999	CS
441A-H1-3	291.50	1.5710	61.93	1.6267	39.42	-9.9999	CS
441A-H1-4	291.50	1.6030	60.25	1.5157	37.60	-9.9999	CS
441A-H2-1	362.25	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
441A-H3-1	476.00	1.7950	53.73	1.1612	30.34	-9.9999	CS
441A-H3-3	476.00	-9.9999	-99.99	-9.9999	20.27	-9.9999	CS
441A-H4-2	544.00	1.6520	62.36	1.6567	34.55	-9.9999	CS
441B-1-1	335.95	-9.9999	-99.99	-9.9999	-99.99	0.9771	CS
441B-1-2	338.46	-9.9999	-99.99	-9.9999	43.37	-9.9999	CS
441B-2-1	668.59	-9.9999	-99.99	-9.9999	16.81	-9.9999	CS
441B-H1-1	373.00	-9.9999	-99.99	-9.9999	39.28	-9.9999	CS
441B-H1-2	373.00	-9.9999	-99.99	-9.9999	37.77	-9.9999	CS
452-1	4.50	1.3850	78.88	3.7348	58.38	0.9377	A
452-2	13.75	1.3050	80.86	4.2247	63.40	0.8791	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
452-3	23.25	1.3000	81.62	4.4407	64.29	-9.9999	A
452A-1	4.25	1.3630	81.04	4.2743	61.07	0.8707	A
452A-2	13.25	1.2850	82.90	4.8480	66.28	0.8832	A
452A-3	22.75	1.3600	78.26	3.5998	59.11	0.9670	A
453-1	4.50	-9.9999	-99.99	-9.9999	-99.99	0.8205	I
453-1-2	2.50	1.2200	87.90	7.2645	73.70	-9.9999	I
453-1-3	3.80	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-1-4	5.64	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-1-5	7.00	1.2700	85.40	5.8493	68.80	-9.9999	I
453-1-6	7.53	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-10	89.75	-9.9999	-99.99	-9.9999	-99.99	0.7619	I
453-10-2	87.50	1.2100	89.30	8.3458	75.30	-9.9999	I
453-10-3	88.13	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-11	99.25	-9.9999	-99.99	-9.9999	-99.99	0.8665	I
453-11-1	94.93	1.2300	88.60	7.7719	74.00	-9.9999	I
453-11-2	96.43	1.4500	72.30	2.6101	50.90	-9.9999	I
453-11-3	98.10	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-11-4	99.43	1.2700	86.60	6.4627	69.70	-9.9999	I
453-11-5	100.93	1.3300	82.50	4.7143	63.30	-9.9999	I
453-11-6	102.43	1.2800	85.80	6.0423	68.50	-9.9999	I
453-13	118.25	-9.9999	-99.99	-9.9999	-99.99	0.8288	I
453-13-1	114.33	1.4300	74.00	2.8462	52.80	-9.9999	I
453-14	127.75	-9.9999	-99.99	-9.9999	-99.99	0.8539	I
453-14-1	123.46	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-14-2	125.26	1.3800	77.30	3.4053	57.50	-9.9999	I
453-14-CC	126.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-15	137.25	-9.9999	-99.99	-9.9999	-99.99	0.9084	I
453-15-1	133.13	1.3100	-99.99	-9.9999	-99.99	-9.9999	I
453-15-2	134.29	1.3600	80.50	4.1282	60.70	-9.9999	I
453-17	156.25	-9.9999	-99.99	-9.9999	-99.99	0.8749	I
453-17-1	151.96	1.3800	78.20	3.5872	57.90	-9.9999	I
453-18	165.75	-9.9999	-99.99	-9.9999	-99.99	0.8372	I
453-18-1	162.03	1.4500	72.70	2.6630	51.50	-9.9999	I
453-18-5	168.37	1.4500	73.60	2.7879	52.00	-9.9999	I
453-19-1	170.78	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-2	13.75	-9.9999	-99.99	-9.9999	-99.99	0.8205	I
453-2-1	10.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-2-2	12.30	1.3000	83.80	5.1728	66.20	-9.9999	I
453-2-3	12.85	1.4000	77.90	3.5249	57.00	-9.9999	I
453-2-4	13.60	1.5400	70.50	2.3898	47.00	-9.9999	I
453-20	184.75	-9.9999	-99.99	-9.9999	-99.99	0.8916	I
453-20-1	181.40	1.3000	84.40	5.4103	66.70	-9.9999	I
453-20-2	181.90	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-21-1	190.70	1.2800	83.60	5.0976	66.60	-9.9999	I

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
453-22	203.75	-9.9999	-99.99	-9.9999	-99.99	0.8288	I
453-22-1	200.48	1.4600	71.10	2.4602	50.00	-9.9999	I
453-22-2	201.13	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-23	213.25	-9.9999	-99.99	-9.9999	-99.99	0.9712	I
453-23-1	209.55	1.4000	75.30	3.0486	55.00	-9.9999	I
453-24-2	220.50	1.4000	73.00	2.7037	53.30	-9.9999	I
453-25	232.25	-9.9999	-99.99	-9.9999	-99.99	1.0214	I
453-25-1	227.99	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-26	241.75	-9.9999	-99.99	-9.9999	-99.99	1.0046	I
453-26-1	237.49	1.4500	71.10	2.4602	50.10	-9.9999	I
453-27	251.25	-9.9999	-99.99	-9.9999	-99.99	1.1093	I
453-27-1	247.00	1.5100	67.40	2.0675	45.90	-9.9999	I
453-27-2	249.09	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-28	260.75	-9.9999	-99.99	-9.9999	-99.99	0.9251	I
453-28-1	256.05	1.4300	70.90	2.4364	50.60	-9.9999	I
453-28-2	257.79	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-29	270.25	-9.9999	-99.99	-9.9999	-99.99	1.0507	I
453-29-1	266.10	2.0300	40.40	0.6779	20.40	-9.9999	I
453-29-2	267.33	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-29-3	268.82	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-29-4	270.52	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-3	23.25	-9.9999	-99.99	-9.9999	-99.99	0.8791	I
453-3-1	18.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-3-2	20.45	1.3300	82.10	4.5866	63.40	-9.9999	I
453-30	279.75	-9.9999	-99.99	-9.9999	-99.99	1.1051	I
453-30-1	276.03	1.4500	70.40	2.3784	49.80	-9.9999	I
453-31	289.25	-9.9999	-99.99	-9.9999	-99.99	1.0842	I
453-31-2	286.68	1.4800	69.50	2.2787	48.20	-9.9999	I
453-32	298.75	-9.9999	-99.99	-9.9999	-99.99	1.0130	I
453-32-1	295.25	1.5900	67.30	2.0581	43.30	-9.9999	I
453-32-2	295.88	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-32-3	297.70	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-33	308.25	-9.9999	-99.99	-9.9999	-99.99	1.2767	I
453-33-1	304.20	1.5300	66.40	1.9762	44.50	-9.9999	I
453-33-2	305.30	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-33-3	207.60	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-34	317.75	-9.9999	-99.99	-9.9999	-99.99	1.0172	I
453-34-1	313.72	1.6100	65.70	1.9155	41.70	-9.9999	I
453-34-2	315.66	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-34-3	316.89	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-35	327.25	-9.9999	-99.99	-9.9999	-99.99	1.0674	I
453-35-1	323.59	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-35-2	324.04	1.6200	66.60	1.9940	42.10	-9.9999	I
453-35-3	326.36	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
453-36	336.75	-9.9999	-99.99	-9.9999	-99.99	0.9712	I
453-36-1	332.72	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-36-2	334.32	1.3800	79.60	3.9020	59.20	-9.9999	I
453-36-3	336.06	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-36-4	337.63	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-36-5	338.73	1.8600	53.70	1.1598	29.60	-9.9999	I
453-37	346.25	-9.9999	-99.99	-9.9999	-99.99	1.0800	I
453-37-1	341.87	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-37-2	343.20	1.7000	60.60	1.5381	36.50	-9.9999	I
453-37-4	346.55	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-38	355.75	-9.9999	-99.99	-9.9999	-99.99	0.9251	I
453-38-1	352.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-38-2	353.04	1.6200	66.30	1.9674	41.80	-9.9999	I
453-39	365.25	-9.9999	-99.99	-9.9999	-99.99	0.9460	I
453-39-1	361.22	1.5900	68.00	2.1250	43.90	-9.9999	I
453-39-2	362.30	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-39-4	365.54	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-4	32.75	-9.9999	-99.99	-9.9999	-99.99	0.7828	I
453-4-2	30.55	1.2200	88.70	7.8496	74.80	-9.9999	I
453-4-3	32.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-4-4	33.50	1.2100	89.80	8.8039	76.30	-9.9999	I
453-4-5	34.60	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-4-6	35.80	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-40	374.75	-9.9999	-99.99	-9.9999	-99.99	0.9125	I
453-40-1	370.72	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-40-2	372.48	1.5300	65.40	1.8902	43.90	-9.9999	I
453-40-4	375.02	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-41	384.25	-9.9999	-99.99	-9.9999	-99.99	1.1428	I
453-41-2	381.81	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-42	393.75	-9.9999	-99.99	-9.9999	-99.99	1.3270	I
453-42-1	390.05	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-42-2	391.02	1.6700	62.70	1.6810	38.40	-9.9999	I
453-43	403.25	-9.9999	-99.99	-9.9999	-99.99	1.0591	I
453-43-3	401.80	1.6600	64.20	1.7933	39.60	-9.9999	I
453-44	412.75	-9.9999	-99.99	-9.9999	-99.99	0.9670	I
453-44-1	408.36	1.5800	63.80	1.7624	41.30	-9.9999	I
453-44-2	409.73	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-45	422.25	-9.9999	-99.99	-9.9999	-99.99	1.1846	I
453-45-1	417.95	1.6700	61.60	1.6042	37.50	-9.9999	I
453-45-2	420.06	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-45-4	422.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-46	431.75	-9.9999	-99.99	-9.9999	-99.99	1.2181	I
453-46-1	427.14	1.6700	62.50	1.6667	38.40	-9.9999	I
453-47	441.25	-9.9999	-99.99	-9.9999	-99.99	1.2642	I

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
453-47-1	436.79	1.7500	59.00	1.4390	34.50	-9.9999	I
453-47-3	439.82	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-5	42.25	-9.9999	-99.99	-9.9999	-99.99	0.7660	I
453-5-1	38.25	1.2200	89.20	8.2593	75.00	-9.9999	I
453-5-2	39.35	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-6	51.75	-9.9999	-99.99	-9.9999	-99.99	0.7242	I
453-6-1	48.00	1.2200	88.90	8.0090	74.60	-9.9999	I
453-8	70.75	-9.9999	-99.99	-9.9999	-99.99	0.7535	I
453-8-1	66.86	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-8-2	67.90	1.2300	88.50	7.6957	73.40	-9.9999	I
453-8-3	69.80	1.2100	90.00	9.0000	76.30	-9.9999	I
453-8-4	71.40	-9.9999	-99.99	-9.9999	-99.99	-9.9999	I
453-9	80.25	-9.9999	-99.99	-9.9999	-99.99	0.7912	I
453-9-1	75.71	1.4300	76.80	3.3103	54.90	-9.9999	I
454-3	14.75	-9.9999	-99.99	-9.9999	-99.99	0.9837	R
454-3-1	10.99	1.4100	77.20	3.3860	56.00	-9.9999	R
454-3-3	13.56	1.6200	66.80	2.0120	42.30	-9.9999	R
454-4	24.25	-9.9999	-99.99	-9.9999	-99.99	0.9000	R
454-4-1	20.27	1.4900	73.60	2.7879	50.70	-9.9999	R
454-4-3	23.72	1.3600	80.50	4.1282	60.90	-9.9999	R
454-4-5	26.52	1.3600	-99.99	-9.9999	-99.99	-9.9999	R
454-5	33.75	-9.9999	-99.99	-9.9999	-99.99	0.9167	R
454-5-3	33.06	1.3300	-99.99	-9.9999	-99.99	-9.9999	R
454-5-5	36.06	1.4100	78.10	3.5662	56.60	-9.9999	R
454A-1	5.25	-9.9999	-99.99	-9.9999	-99.99	0.9460	R
454A-1-1	1.27	-9.9999	-99.99	-9.9999	-99.99	-9.9999	R
454A-13	144.50	-9.9999	-99.99	-9.9999	-99.99	1.1428	R
454A-13-1	140.45	1.6900	-99.99	-9.9999	-99.99	-9.9999	R
455-2	13.75	1.7500	62.00	1.6316	37.20	1.0800	R
455-3	23.25	1.7400	59.00	1.4390	34.70	1.1679	R
456-10	81.25	-9.9999	-99.99	-9.9999	-99.99	1.1386	R
456-10-1	162.00	6.8000	40.40	0.6779	-99.99	-9.9999	R
456-10-3	79.80	1.6400	-99.99	-9.9999	-99.99	-9.9999	R
456-11	90.75	-9.9999	-99.99	-9.9999	-99.99	0.9963	R
456-11-1	86.32	1.7200	-99.99	-9.9999	-99.99	-9.9999	R
456-12	100.25	-9.9999	-99.99	-9.9999	-99.99	1.2098	R
456-12-1	95.53	1.6700	54.20	1.1834	36.30	-9.9999	R
456-13	109.75	-9.9999	-99.99	-9.9999	-99.99	1.1888	R
456-13-CC	105.28	1.8100	50.90	1.0367	28.80	-9.9999	R
456-14-CC	115.66	1.8400	54.40	1.1930	30.40	-9.9999	R
456-7	52.75	-9.9999	-99.99	-9.9999	-99.99	1.0046	R
456-7-1	48.67	1.5000	-99.99	-9.9999	-99.99	-9.9999	R
456-7-2	50.03	1.5300	70.20	2.3557	47.10	-9.9999	R
456-9	71.75	-9.9999	-99.99	-9.9999	-99.99	1.1972	R



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
456-9-1	67.59	1.6400	-99.99	-9.9999	-99.99	-9.9999	R
456A-1	4.75	-9.9999	-99.99	-9.9999	-99.99	1.0214	R
456A-1-5	6.00	1.6500	63.00	1.7027	39.20	-9.9999	R
456A-1-7	7.95	-9.9999	-99.99	-9.9999	-99.99	-9.9999	R
456A-10	109.25	-9.9999	-99.99	-9.9999	-99.99	1.4400	R
456A-10-1	105.08	1.7800	56.60	1.3041	32.50	-9.9999	R
456A-10-3	108.08	1.7300	-99.99	-9.9999	-99.99	-9.9999	R
456A-3	42.75	-9.9999	-99.99	-9.9999	-99.99	1.0381	R
456A-3-2	39.90	1.5800	67.20	2.0488	43.60	-9.9999	R
456A-4	52.25	-9.9999	-99.99	-9.9999	-99.99	1.0423	R
456A-5	61.75	-9.9999	-99.99	-9.9999	-99.99	1.1302	R
456A-5-1	57.98	1.5600	68.30	2.1546	44.90	-9.9999	R
456A-5-2	58.65	1.7200	59.10	1.4450	35.20	-9.9999	R
456A-6-1	66.76	1.6400	63.90	1.7701	40.00	-9.9999	R
456A-7	80.75	-9.9999	-99.99	-9.9999	-99.99	1.1763	R
456A-7-1	76.63	1.7700	-99.99	-9.9999	-99.99	-9.9999	R
456A-7-2	78.12	1.5800	64.60	1.8249	41.90	-9.9999	R
456A-8	90.25	-9.9999	-99.99	-9.9999	-99.99	1.2474	R
456A-8-1	86.75	1.6500	63.40	1.7322	39.50	-9.9999	R
456A-9-1	95.31	1.6800	62.50	1.6667	38.20	-9.9999	R
456A-9-2	96.78	1.5900	-99.99	-9.9999	-99.99	-9.9999	R
458-1	4.75	-9.9999	-99.99	-9.9999	-99.99	1.0674	I
458-1-2	1.72	1.5800	68.10	2.1348	44.10	-9.9999	I
458-1-4	5.53	1.6400	-99.99	-9.9999	-99.99	-9.9999	I
458-13	118.75	-9.9999	-99.99	-9.9999	-99.99	1.0800	I
458-13-1	114.30	1.6200	63.90	1.7701	40.40	-9.9999	I
458-16	147.25	-9.9999	-99.99	-9.9999	-99.99	1.1470	I
458-16-1	142.67	1.7900	55.20	1.2321	31.70	-9.9999	I
458-16-2	144.41	1.6100	-99.99	-9.9999	-99.99	-9.9999	I
458-17	156.75	-9.9999	-99.99	-9.9999	-99.99	1.1218	I
458-17-1	152.09	1.8000	-99.99	-9.9999	-99.99	-9.9999	I
458-2	14.25	-9.9999	-99.99	-9.9999	-99.99	0.9753	I
458-2-1	10.65	1.6200	-99.99	-9.9999	-99.99	-9.9999	I
458-2-2	11.83	1.6100	66.10	1.9499	42.00	-9.9999	I
458-2-3	13.13	1.5800	-99.99	-9.9999	-99.99	-9.9999	I
458-2-5	15.77	1.6500	-99.99	-9.9999	-99.99	-9.9999	I
458-3	23.75	-9.9999	-99.99	-9.9999	-99.99	0.9670	I
458-3-1	19.64	1.5400	70.00	2.3333	46.50	-9.9999	I
458-3-2	21.14	1.5300	69.60	2.2895	46.40	-9.9999	I
458-4	33.25	-9.9999	-99.99	-9.9999	-99.99	1.0507	I
458-4-1	29.72	1.5100	71.50	2.5088	48.60	-9.9999	I
458-4-2	30.15	1.6400	64.10	1.7855	40.00	-9.9999	I
458-6	52.25	-9.9999	-99.99	-9.9999	-99.99	1.0842	I
458-6-2	49.46	1.5800	66.70	2.0030	43.20	-9.9999	I



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
458-6-3	51.77	1.6500	-99.99	-9.9999	-99.99	-9.9999	I
458-7	61.75	-9.9999	-99.99	-9.9999	-99.99	1.0925	I
458-7-1	57.92	1.6900	60.60	1.5381	36.70	-9.9999	I
458-7-3	60.33	1.5600	-99.99	-9.9999	-99.99	-9.9999	I
458-7-4	62.71	1.6200	65.20	1.8736	41.30	-9.9999	I
458-8	71.25	-9.9999	-99.99	-9.9999	-99.99	1.0549	I
458-9	80.75	-9.9999	-99.99	-9.9999	-99.99	1.1093	I
458-9-2	77.75	1.5800	64.90	1.8490	42.00	-9.9999	I
459-1	1.75	-9.9999	-99.99	-9.9999	-99.99	1.1218	CS
459-1-1	1.05	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
459-1-2	2.35	1.5500	68.90	2.2154	45.50	-9.9999	CS
459-1-3	4.01	1.6000	66.60	1.9940	42.60	-9.9999	CS
459-1-4	5.42	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
459-1-5	6.42	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
459-11-1	93.48	1.6900	60.20	1.5126	36.50	-9.9999	CS
459-11-2	94.99	1.7100	60.50	1.5316	36.30	-9.9999	CS
459-14-1	122.20	1.7750	68.00	2.1250	44.40	-9.9999	CS
459-19-1	169.11	1.6200	-99.99	-9.9999	-99.99	-9.9999	CS
459-2-1	8.62	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
459-2-2	9.41	1.4500	75.10	3.0161	53.20	-9.9999	CS
459-2-3	10.80	1.4600	74.60	2.9370	52.20	-9.9999	CS
459-2-4	12.80	1.3900	77.80	3.5045	57.20	-9.9999	CS
459-2-5	13.70	1.4700	73.80	2.8168	51.50	-9.9999	CS
459-25-1	226.15	1.7800	53.10	1.1322	30.60	-9.9999	CS
459-25-CC	230.99	1.7500	54.00	1.1739	31.60	-9.9999	CS
459-27-1	245.58	1.8000	-99.99	-9.9999	-99.99	-9.9999	CS
459-28-1	254.66	1.7100	60.20	1.5126	36.10	-9.9999	CS
459-28-CC	259.16	1.8500	-99.99	-9.9999	-99.99	-9.9999	CS
459-29-1	264.02	1.7800	-99.99	-9.9999	-99.99	-9.9999	CS
459-29-2	265.57	1.7800	56.50	1.2989	32.40	-9.9999	CS
459-30-2	275.53	1.5700	68.50	2.1746	44.70	-9.9999	CS
459-30-4	278.86	1.5600	68.80	2.2051	45.30	-9.9999	CS
459-31-1	283.56	1.7600	58.00	1.3810	33.80	-9.9999	CS
459-32-1	292.53	1.6600	-99.99	-9.9999	-99.99	-9.9999	CS
459-34-2	313.74	1.6500	57.10	1.3310	35.40	-9.9999	CS
459-35-1	321.11	1.7000	-99.99	-9.9999	-99.99	-9.9999	CS
459-35-2	323.21	1.6500	57.80	1.3697	35.80	-9.9999	CS
459-36-2	332.12	1.6300	60.00	1.5000	37.70	-9.9999	CS
459-38-1	349.61	1.7200	53.20	1.1368	31.70	-9.9999	CS
459-39-1	360.06	1.6600	-99.99	-9.9999	-99.99	-9.9999	CS
459-40-1	368.57	1.6300	61.40	1.5907	38.50	-9.9999	CS
459-43-1	398.30	1.8900	47.10	0.8904	25.60	-9.9999	CS
459-44-1	406.78	1.6300	61.30	1.5840	38.70	-9.9999	CS
459-45-1	416.17	1.7600	51.00	1.0408	29.60	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
459-47-1	435.40	1.6700	58.90	1.4331	36.20	-9.9999	CS
459-49-1	454.06	1.6800	60.90	1.5575	37.10	-9.9999	CS
459-50-1	464.87	1.5500	67.20	2.0488	44.40	-9.9999	CS
459-52-1	483.81	1.5800	67.20	2.0488	43.50	-9.9999	CS
459-53-1	492.63	1.6800	54.70	1.2075	33.30	-9.9999	CS
459-56-4	525.67	1.9000	49.00	0.9608	26.40	-9.9999	CS
459-57-2	532.44	1.8700	57.00	1.3256	32.90	-9.9999	CS
459-58-1	540.56	1.5400	65.90	1.9326	43.90	-9.9999	CS
459-59-1	550.34	1.9000	49.00	0.9608	26.40	-9.9999	CS
459-6-1	46.07	1.5500	69.35	2.2626	46.00	-9.9999	CS
459-6-2	47.52	1.5200	-99.99	-9.9999	-99.99	-9.9999	CS
459-6-3	49.38	1.5000	69.80	2.3113	47.85	-9.9999	CS
459-6-4	50.72	1.5500	-99.99	-9.9999	-99.99	-9.9999	CS
459-8-1	65.13	1.6400	62.70	1.6810	39.20	-9.9999	CS
459-9-1	74.65	1.7100	57.10	1.3310	34.10	-9.9999	CS
459B-1	3.75	-9.9999	-99.99	-9.9999	-99.99	1.0716	CS
459B-11	97.75	-9.9999	-99.99	-9.9999	-99.99	1.2265	CS
459B-14	126.25	-9.9999	-99.99	-9.9999	-99.99	1.2809	CS
459B-19	173.75	-9.9999	-99.99	-9.9999	-99.99	1.3144	CS
459B-2	12.25	-9.9999	-99.99	-9.9999	-99.99	1.0381	CS
459B-25	230.75	-9.9999	-99.99	-9.9999	-99.99	1.1260	CS
459B-28	259.25	-9.9999	-99.99	-9.9999	-99.99	1.3311	CS
459B-29	268.75	-9.9999	-99.99	-9.9999	-99.99	1.2893	CS
459B-30	278.25	-9.9999	-99.99	-9.9999	-99.99	1.3060	CS
459B-31	287.75	-9.9999	-99.99	-9.9999	-99.99	1.3814	CS
459B-34	316.25	-9.9999	-99.99	-9.9999	-99.99	1.2977	CS
459B-35	325.75	-9.9999	-99.99	-9.9999	-99.99	1.2977	CS
459B-38	354.25	-9.9999	-99.99	-9.9999	-99.99	1.2265	CS
459B-39	363.75	-9.9999	-99.99	-9.9999	-99.99	1.2516	CS
459B-40	373.25	-9.9999	-99.99	-9.9999	-99.99	1.2767	CS
459B-43	401.75	-9.9999	-99.99	-9.9999	-99.99	1.3939	CS
459B-44	411.75	-9.9999	-99.99	-9.9999	-99.99	1.3981	CS
459B-45	420.75	-9.9999	-99.99	-9.9999	-99.99	1.4735	CS
459B-47	439.75	-9.9999	-99.99	-9.9999	-99.99	1.3521	CS
459B-49	458.75	-9.9999	-99.99	-9.9999	-99.99	1.4651	CS
459B-50	468.25	-9.9999	-99.99	-9.9999	-99.99	1.4316	CS
459B-56	525.25	-9.9999	-99.99	-9.9999	-99.99	1.6409	CS
459B-58	544.25	-9.9999	-99.99	-9.9999	-99.99	1.4400	CS
459B-6	50.25	-9.9999	-99.99	-9.9999	-99.99	0.9879	CS
459B-8	69.25	-9.9999	-99.99	-9.9999	-99.99	1.1972	CS
459B-9	78.75	-9.9999	-99.99	-9.9999	-99.99	1.1051	CS
460-1	4.75	-9.9999	-99.99	-9.9999	-99.99	1.2014	CS
460-1-1	0.40	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
460-1-2	1.90	1.3600	79.60	3.9020	59.80	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
460-1-3	3.30	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
460-1-4	4.89	1.3800	78.90	3.7393	58.40	-9.9999	CS
460-3	23.75	-9.9999	-99.99	-9.9999	-99.99	1.2767	CS
460-3-1	19.96	1.4300	76.20	3.2017	54.60	-9.9999	CS
460-3-2	21.30	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
460-3-3	22.75	1.4500	74.35	2.8986	52.52	-9.9999	CS
460-3-4	23.90	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
460-4	33.25	-9.9999	-99.99	-9.9999	-99.99	1.1972	CS
460-4-1	28.72	1.6600	63.80	1.7624	39.30	-9.9999	CS
460-4-2	30.23	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
460-4-3	32.29	1.4400	75.90	3.1494	54.00	-9.9999	CS
460-4-4	33.43	1.4200	77.40	3.4248	55.90	-9.9999	CS
460-4-5	35.45	1.4200	77.50	3.4444	55.80	-9.9999	CS
460-6	52.25	-9.9999	-99.99	-9.9999	-99.99	1.1051	CS
460-7	61.75	-9.9999	-99.99	-9.9999	-99.99	1.5446	CS
460-7-1	57.58	1.5100	70.30	2.3670	47.90	-9.9999	CS
460A-3	22.25	-9.9999	-99.99	-9.9999	-99.99	1.1470	CS
460A-3-2	12.74	1.4200	77.30	3.4053	55.70	-9.9999	CS
460A-3-4	22.25	1.5300	-99.99	-9.9999	-99.99	-9.9999	CS
460A-4	31.75	-9.9999	-99.99	-9.9999	-99.99	1.2809	CS
460A-4-1	28.26	1.5500	70.30	2.3670	46.40	-9.9999	CS
460A-4-2	29.35	1.7400	-99.99	-9.9999	-99.99	-9.9999	CS
460A-4-4	32.27	1.6700	63.10	1.7100	38.70	-9.9999	CS
460A-4-5	33.60	1.8600	-99.99	-9.9999	-99.99	-9.9999	CS
460A-4-6	35.32	1.6300	66.20	1.9586	41.60	-9.9999	CS
460A-5-2	38.65	1.4800	73.70	2.8023	51.20	-9.9999	CS
460A-5-3	40.25	1.6100	64.70	1.8329	41.10	-9.9999	CS
460A-6	50.75	-9.9999	-99.99	-9.9999	-99.99	1.2642	CS
460A-6-1	46.75	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
460A-6-2	46.81	1.4700	74.00	2.8462	51.50	-9.9999	CS
460A-7	60.25	-9.9999	-99.99	-9.9999	-99.99	1.4400	CS
460A-7-1	56.58	1.5600	68.90	2.2154	44.90	-9.9999	CS
461-1	0.75	-9.9999	-99.99	-9.9999	-99.99	1.0046	CS
461-2	6.25	-9.9999	-99.99	-9.9999	-99.99	1.2056	CS
461A-1	3.00	-9.9999	-99.99	-9.9999	-99.99	1.6618	CS
462-16-5	149.70	1.5400	71.60	2.5211	50.45	0.7577	A
462-19-5	177.50	1.2710	-99.99	-9.9999	-99.99	1.1701	A
462-48-2	448.98	1.7400	56.60	1.3041	33.30	-9.9999	A
462-49-2	458.25	2.0000	39.80	0.6611	20.40	-9.9999	A
462-50-5	473.44	1.7700	58.70	1.4213	34.10	1.2767	A
462-52-2	487.28	2.1100	37.00	0.5873	17.90	-9.9999	A
462-53-1	494.77	1.9550	46.65	0.8744	24.60	-9.9999	A
462-53-CC	497.10	1.9700	39.60	0.6556	20.50	-9.9999	A
462-55-5	519.64	1.7800	57.50	1.3529	33.20	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
462-56-1	523.50	1.8000	56.30	1.2883	32.00	1.0339	A
462-57-1	532.85	1.8800	52.60	1.1097	28.60	-9.9999	A
462-57-2	534.02	1.8200	53.40	1.1459	30.00	-9.9999	A
462-58-1	541.19	1.6200	59.50	1.4691	37.50	1.1302	A
462-58-4	545.75	1.9900	42.70	0.7452	21.90	1.3563	A
462-59-1	550.04	1.8650	49.70	0.9881	27.30	1.2412	A
462-60-1	558.78	2.0305	-99.99	-9.9999	-99.99	-9.9999	A
462A-10-1	525.25	1.7600	57.80	1.3697	33.70	-9.9999	A
462A-10-2	526.97	1.6800	63.20	1.7174	38.50	-9.9999	A
462A-10-3	529.33	1.8500	54.40	1.1930	30.20	-9.9999	A
462A-11-1	535.67	1.8550	54.15	1.1810	29.90	-9.9999	A
462A-12-1	544.81	1.6600	60.00	1.5000	36.90	-9.9999	A
462A-13-1	553.19	1.8800	50.90	1.0367	27.70	-9.9999	A
462A-13-2	555.54	1.9350	45.20	0.8248	24.40	-9.9999	A
462A-14-1	563.27	1.9100	48.20	0.9305	25.90	-9.9999	A
462A-15-1	566.50	1.7960	-99.99	-9.9999	-99.99	-9.9999	A
462A-8-1	488.21	2.1400	33.10	0.4948	15.90	-9.9999	A
462A-8-3	490.19	1.9900	42.80	0.7483	22.10	-9.9999	A
462A-9-1	516.40	1.8700	44.30	0.7953	24.30	-9.9999	A
462A-9-6	523.42	1.8100	54.80	1.2124	31.00	-9.9999	A
462A-H-3-1	449.20	2.0800	38.10	0.6155	18.80	-9.9999	A
475-11	96.25	-9.9999	-99.99	-9.9999	-99.99	1.1386	PS
475-13	115.25	-9.9999	-99.99	-9.9999	-99.99	1.0925	PS
475-3	20.25	-9.9999	-99.99	-9.9999	-99.99	1.0046	PS
475-4	29.75	-9.9999	-99.99	-9.9999	-99.99	1.0842	PS
475-5	39.25	-9.9999	-99.99	-9.9999	-99.99	1.0591	PS
475-6	48.75	-9.9999	-99.99	-9.9999	-99.99	1.1344	PS
475-7	58.25	-9.9999	-99.99	-9.9999	-99.99	1.1260	PS
475-8	67.75	-9.9999	-99.99	-9.9999	-99.99	1.1135	PS
475-9	77.25	-9.9999	-99.99	-9.9999	-99.99	1.0967	PS
477-2	5.75	-9.9999	-99.99	-9.9999	-99.99	1.0256	R
477-3	15.25	-9.9999	-99.99	-9.9999	-99.99	0.8539	R
482A-1-4	5.30	1.5700	64.00	1.7778	-99.99	-9.9999	R
482A-2-4	11.10	1.5100	68.00	2.1250	-99.99	-9.9999	R
482A-4-4	30.00	1.6500	59.00	1.4390	-99.99	-9.9999	R
482B-1-4	49.89	1.5500	66.00	1.9300	45.00	-9.9999	R
482B-10-5	136.35	1.8100	49.00	0.9600	33.00	-9.9999	R
482B-19-1	193.31	1.9000	44.00	0.7857	-99.99	-9.9999	R
482B-2-4	58.35	1.6500	59.00	1.4300	40.00	-9.9999	R
482B-4-3	76.30	1.6300	61.00	1.5600	42.00	-9.9999	R
482B-5-3	85.36	1.6200	61.00	1.5600	41.00	-9.9999	R
482B-7-2	103.00	1.7000	56.00	1.2700	38.00	-9.9999	R
482B-8-4	115.90	1.7700	52.00	1.0800	36.00	-9.9999	R
482D-1-3	75.30	1.6400	60.00	1.5000	-99.99	-9.9999	R

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
482D-2-3	84.95	1.7300	54.00	1.1700	39.00	-9.9999	R
482D-3-2	92.90	1.7100	56.00	1.2700	42.00	-9.9999	R
482D-4-2	102.49	1.7100	-99.99	-9.9999	-99.99	-9.9999	R
482D-5-1	110.30	1.7200	55.00	1.2200	38.00	-9.9999	R
482D-6-2	120.90	-9.9999	57.00	1.3256	-99.99	-9.9999	R
482D-7-2	130.60	1.7450	59.00	1.4390	-99.99	-9.9999	R
483-10-2	78.91	1.5400	66.00	1.9400	49.00	-9.9999	R
483-11-4	91.52	1.5700	64.00	1.7700	46.00	-9.9999	R
483-12-4	101.03	1.7000	-99.99	-9.9999	-99.99	-9.9999	R
483-13-2	107.39	1.6400	60.00	1.4900	45.00	-9.9999	R
483-18-4	155.74	1.7600	-99.99	-9.9999	-99.99	-9.9999	R
483-2-3	4.54	1.3900	76.00	3.1500	60.00	-9.9999	R
483-3-2	12.65	1.4400	73.00	2.6900	58.00	-9.9999	R
483-4-2	21.93	1.4100	74.00	2.8400	57.00	-9.9999	R
483-6-2	41.25	1.4200	74.00	2.8600	58.00	-9.9999	R
483-7-4	53.88	1.4100	74.00	2.8400	57.00	-9.9999	R
483-8-4	62.94	1.4200	74.00	2.8400	58.00	-9.9999	R
483-9-4	72.70	1.4300	73.00	2.7000	55.00	-9.9999	R
483B-1-3	95.65	1.5750	64.00	1.7700	46.50	-9.9999	R
483B-1-5	98.30	1.5700	64.00	1.7700	48.00	-9.9999	R
483B-2-3	104.98	1.6500	60.00	1.4900	44.00	-9.9999	R
483B-2-4	106.10	1.6000	62.00	1.6600	43.00	-9.9999	R
483B-2-6	109.45	1.7000	56.00	1.2700	40.00	-9.9999	R
483B-25-2	232.55	2.1900	29.00	0.4085	-99.99	-9.9999	R
483C-1-1	38.85	1.4500	72.00	2.5714	-99.99	-9.9999	R
483C-1-2	40.96	1.3600	77.00	3.4400	63.00	-9.9999	R
483C-1-3	42.05	1.3700	77.00	3.3400	57.00	-9.9999	R
483C-1-4	43.60	1.3600	77.00	3.4400	58.00	-9.9999	R
483C-1-5	45.40	1.4400	72.00	2.6300	60.00	-9.9999	R
483C-2-3	89.09	1.5000	69.00	2.2200	49.00	-9.9999	R
483C-2-7	94.15	1.5400	65.00	1.8500	43.00	-9.9999	R
483C-3-2	97.90	1.6100	62.00	1.6200	45.00	-9.9999	R
483C-4-1	105.26	1.6000	62.00	1.6600	46.00	-9.9999	R
483C-4-2	106.66	1.4700	71.00	2.4500	54.00	-9.9999	R
484-1-2	2.00	1.4500	72.00	2.5700	52.00	-9.9999	R
484-1-4	4.62	1.4600	71.00	2.4500	49.00	-9.9999	R
484A-1-3	3.93	1.4200	74.00	2.8400	61.00	-9.9999	R
484A-1-4	5.11	1.5000	69.00	2.2200	49.00	-9.9999	R
484A-2-4	13.49	1.5600	-99.99	-9.9999	-99.99	-9.9999	R
484A-2-5	14.80	1.4000	75.00	3.0000	56.00	-9.9999	R
484A-3-4	23.05	1.5000	69.00	2.2200	53.00	-9.9999	R
484A-3-6	25.04	1.5000	69.00	2.2200	54.00	-9.9999	R
484A-4-3	30.23	1.4700	71.00	2.4400	58.00	-9.9999	R
484A-4-4	31.94	1.4400	72.00	2.6200	59.00	-9.9999	R

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
484A-5-4	41.65	1.4300	73.00	2.7000	55.00	-9.9999	R
484A-6-4	51.77	1.5000	69.00	2.2200	53.00	-9.9999	R
484A-6-5	52.13	1.4600	71.00	2.4400	54.00	-9.9999	R
485-1-2	2.14	1.3400	79.00	3.7700	64.00	-9.9999	R
485-2-3	6.71	1.4600	71.00	2.4400	57.00	-9.9999	R
485-3-6	20.95	1.4900	69.00	2.2200	53.00	-9.9999	R
485-4-3	25.32	1.5000	69.00	2.2200	49.00	-9.9999	R
485-5-4	37.00	1.6650	63.00	1.7000	44.00	-9.9999	R
485-6-7	50.03	1.5400	66.00	1.9400	45.00	-9.9999	R
485A-1-6	59.30	1.6100	62.00	1.6200	44.00	-9.9999	R
485A-10-1	137.21	1.6400	60.00	1.5000	-99.99	-9.9999	R
485A-10-2	138.12	1.7800	51.00	1.0400	35.00	-9.9999	R
485A-19-2	190.28	1.8200	49.00	0.9600	33.00	-9.9999	R
485A-2-4	64.98	1.6500	59.00	1.4300	46.00	-9.9999	R
485A-22-1	202.27	1.8000	54.00	1.1739	-99.99	-9.9999	R
485A-22-3	205.88	1.8400	49.00	0.9608	-99.99	-9.9999	R
485A-26-1	226.51	1.7900	51.00	1.0400	27.00	-9.9999	R
485A-27-1	231.71	1.8100	50.00	0.9600	27.00	-9.9999	R
485A-28-1	236.13	1.8400	48.00	0.8800	27.00	-9.9999	R
485A-3-2	72.10	1.5700	64.00	1.7700	47.00	-9.9999	R
485A-3-3	72.91	-9.9999	-99.99	-9.9999	-99.99	-9.9999	R
485A-36-1	295.70	1.9300	46.00	0.8519	-99.99	-9.9999	R
485A-37-1	304.41	1.8700	46.00	0.8500	23.00	-9.9999	R
485A-38-1	313.18	-9.9999	-99.99	-9.9999	-99.99	-9.9999	R
485A-4-1	79.42	1.6500	59.00	1.4300	42.00	-9.9999	R
485A-5-3	92.60	1.8200	-99.99	-9.9999	-99.99	-9.9999	R
485A-6-3	101.42	1.8300	48.00	0.9200	31.00	-9.9999	R
485A-7-2	109.07	1.7300	54.00	1.1700	38.00	-9.9999	R
485A-8-2	119.53	1.8000	50.00	0.9900	34.00	-9.9999	R
487-10-1	78.00	-9.9999	75.08	3.0128	52.38	-9.9999	A
487-10-2	78.80	1.4180	75.64	3.1051	53.20	-9.9999	A
487-10-4	82.82	1.4100	76.66	3.2845	54.33	-9.9999	A
487-10-5	83.68	1.4500	75.45	3.0725	52.87	-9.9999	A
487-10-6	85.35	1.4700	72.64	2.6550	49.66	-9.9999	A
487-11-1	87.68	-9.9999	75.77	3.1271	53.39	-9.9999	A
487-11-2	89.20	1.4200	77.27	3.3995	-99.99	-9.9999	A
487-11-3	90.46	-9.9999	75.65	3.1068	53.30	-9.9999	A
487-11-4	91.80	1.3600	79.65	3.9140	58.63	-9.9999	A
487-12-3	99.65	1.2800	83.57	5.0846	64.62	-9.9999	A
487-12-4	101.30	-9.9999	83.77	5.1614	62.85	-9.9999	A
487-12-5	102.48	1.2400	83.74	5.1501	67.64	-9.9999	A
487-13-3	109.50	-9.9999	84.04	5.2657	63.35	-9.9999	A
487-13-4	110.80	1.3945	80.30	4.0761	58.29	-9.9999	A
487-13-5	111.65	1.4300	75.83	3.1374	53.05	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
487-14-1	116.10	1.3770	81.60	4.4348	59.25	-9.9999	A
487-14-2	117.38	1.3900	77.61	3.4663	55.66	-9.9999	A
487-14-3	118.85	1.4060	83.29	4.9844	60.20	-9.9999	A
487-15-2	127.80	1.3170	87.30	6.8740	69.30	-9.9999	A
487-15-3	128.55	-9.9999	88.25	7.5106	71.15	-9.9999	A
487-15-4	130.10	1.2300	86.99	6.6864	70.49	-9.9999	A
487-15-5	131.40	-9.9999	87.48	6.9872	69.66	-9.9999	A
487-15-6	133.09	1.2000	88.61	7.7796	74.03	-9.9999	A
487-16-1	134.34	1.2800	84.02	5.2578	65.70	-9.9999	A
487-16-2	136.35	1.2100	86.58	6.4516	71.51	-9.9999	A
487-18-2	155.50	1.3800	80.13	4.0327	58.00	-9.9999	A
487-18-4	158.80	1.4310	80.90	4.2356	58.16	-9.9999	A
487-18-5	160.00	1.2900	87.11	6.7580	-99.99	-9.9999	A
487-2-1	2.10	-9.9999	74.60	2.9370	51.77	-9.9999	A
487-2-2	3.60	-9.9999	74.80	2.9683	52.12	-9.9999	A
487-2-3	4.70	-9.9999	75.54	3.0883	53.10	-9.9999	A
487-2-4	5.80	1.3850	75.02	3.0032	52.42	-9.9999	A
487-3-1	11.39	1.4000	78.40	3.6296	57.32	-9.9999	A
487-3-2	12.52	1.3700	79.10	3.7847	58.20	-9.9999	A
487-3-3	14.10	-9.9999	78.95	3.7506	57.94	-9.9999	A
487-3-4	15.60	1.4180	77.32	3.4092	55.56	-9.9999	A
487-3-5	17.10	1.4100	77.12	3.3706	55.22	-9.9999	A
487-5-1	30.80	1.3800	78.56	3.6642	56.82	-9.9999	A
487-5-2	31.65	1.3900	78.08	3.5610	54.09	-9.9999	A
487-5-3	33.81	1.4300	75.29	3.0469	52.59	-9.9999	A
487-6-1	40.10	1.4790	78.02	3.5496	54.09	-9.9999	A
487-6-2	40.70	1.4400	78.68	3.6904	57.51	-9.9999	A
487-6-3	42.70	1.4290	79.44	3.4326	55.75	-9.9999	A
487-7-1	49.70	-9.9999	78.65	3.6838	57.49	-9.9999	A
487-8-1	58.85	-9.9999	77.71	3.4863	56.08	-9.9999	A
487-8-3	61.65	1.3800	78.53	3.6577	57.12	-9.9999	A
487-8-4	63.20	1.3750	79.82	3.9554	59.00	-9.9999	A
487-8-5	64.60	1.4000	78.08	3.5610	56.33	-9.9999	A
487-8-6	66.10	1.3800	78.16	3.5788	56.46	-9.9999	A
487-9-1	68.50	-9.9999	78.77	3.7103	57.60	-9.9999	A
487-9-3	71.20	1.3900	77.23	3.3917	55.17	-9.9999	A
487-9-4	72.40	1.3900	78.05	3.5558	56.15	-9.9999	A
487-9-6	75.60	1.4080	77.90	3.5249	56.02	-9.9999	A
488-10-1	77.85	1.7100	57.52	1.3540	34.89	-9.9999	CS
488-10-2	79.55	1.5900	59.49	1.4685	37.37	-9.9999	CS
488-10-3	81.30	-9.9999	57.77	1.3680	33.97	-9.9999	CS
488-10-4	82.15	1.6700	57.28	1.3408	34.35	-9.9999	CS
488-11-1	87.40	1.6800	59.31	1.4576	-99.99	-9.9999	CS
488-11-2	89.30	1.6900	56.83	1.3164	33.62	-9.9999	CS



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
488-11-5	93.80	-9.9999	56.50	1.2989	32.82	-9.9999	CS
488-11-6	94.50	1.6400	57.49	1.3524	34.96	-9.9999	CS
488-13-1	105.70	1.7000	55.61	1.2528	32.62	-9.9999	CS
488-13-2	107.00	-9.9999	58.80	1.4272	34.93	-9.9999	CS
488-13-3	108.90	1.6000	59.12	1.4462	36.97	-9.9999	CS
488-13-4	110.40	1.6700	59.63	1.4771	-99.99	-9.9999	CS
488-14-1	116.28	1.7200	57.94	1.3776	34.86	-9.9999	CS
488-15-1	125.48	1.5600	58.12	1.3878	35.50	-9.9999	CS
488-16-1	135.26	1.7100	55.06	1.2249	34.31	-9.9999	CS
488-16-2	136.55	-9.9999	54.38	1.1920	30.95	-9.9999	CS
488-16-4	139.00	1.6800	54.68	1.2065	32.55	-9.9999	CS
488-18-1	153.40	1.7900	48.56	0.9440	27.06	-9.9999	CS
488-18-3	156.20	-9.9999	56.68	1.3084	32.98	-9.9999	CS
488-18-5	160.25	1.8350	48.84	0.9547	27.69	-9.9999	CS
488-19-1	162.92	1.8400	50.04	1.0016	27.42	-9.9999	CS
488-19-3	165.60	1.7500	49.69	0.9877	28.44	-9.9999	CS
488-19-4	167.10	1.7100	51.42	1.0585	29.98	-9.9999	CS
488-2-1	2.00	-9.9999	69.89	2.3212	46.62	-9.9999	CS
488-2-2	3.40	-9.9999	67.50	2.0769	43.80	-9.9999	CS
488-2-3	4.80	1.5300	68.88	2.2129	45.45	-9.9999	CS
488-2-4	6.50	-9.9999	67.59	2.0855	43.96	-9.9999	CS
488-20-1	173.06	1.7500	52.42	1.1017	30.67	-9.9999	CS
488-20-2	174.50	-9.9999	53.65	1.1575	30.33	-9.9999	CS
488-21-1	182.85	1.7270	55.55	1.2497	-99.99	-9.9999	CS
488-21-2	183.78	1.8050	50.34	1.0137	28.78	-9.9999	CS
488-21-5	188.45	1.7600	49.66	0.9865	28.14	-9.9999	CS
488-22-2	193.20	1.7700	49.10	0.9644	27.04	-9.9999	CS
488-22-3	194.70	1.8700	50.29	1.0117	28.41	-9.9999	CS
488-23-1	201.10	1.7500	50.80	1.0325	28.97	-9.9999	CS
488-3-1	11.45	1.5300	65.38	1.8881	42.33	-9.9999	CS
488-3-2	12.78	1.5000	67.99	2.1240	40.90	-9.9999	CS
488-4-1	21.00	-9.9999	55.37	1.2406	31.81	-9.9999	CS
488-4-2	22.90	-9.9999	60.98	1.5628	37.03	-9.9999	CS
488-4-3	23.78	1.6000	62.05	1.6350	38.56	-9.9999	CS
488-4-4	25.13	1.6400	58.15	1.3895	35.50	-9.9999	CS
488-4-5	27.00	-9.9999	64.38	1.8074	40.47	-9.9999	CS
488-4-6	28.53	1.7300	60.93	1.5592	40.76	-9.9999	CS
488-5-2	31.38	-9.9999	64.51	1.8177	40.61	-9.9999	CS
488-5-3	33.40	1.5600	61.73	1.6130	39.65	-9.9999	CS
488-5-6	38.05	1.6000	60.08	1.5050	36.84	-9.9999	CS
488-9-1	68.46	1.6800	56.05	1.2751	32.91	-9.9999	CS
488-9-2	69.78	1.6100	59.70	1.4871	36.27	-9.9999	CS
488-9-3	71.50	1.6300	59.01	1.4396	36.10	-9.9999	CS
489A-1-1	1.40	-9.9999	58.49	1.4091	34.17	-9.9999	S



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
489A-1-2	2.18	1.8400	52.75	1.1164	30.12	-9.9999	S
489A-1-3	3.48	1.7000	56.40	1.2936	32.24	-9.9999	S
489A-1-4	5.30	1.9300	45.83	0.8460	-99.99	-9.9999	S
489A-10-1	112.55	2.0200	44.38	0.7979	22.72	-9.9999	S
489A-11-1	123.50	2.0200	44.52	0.8025	22.82	-9.9999	S
489A-11-2	124.40	1.9400	47.36	0.8997	34.90	-9.9999	S
489A-11-3	126.10	1.9700	42.53	0.7400	21.57	-9.9999	S
489A-12-1	132.70	1.9600	42.63	0.7431	21.70	-9.9999	S
489A-13-2	142.60	1.9700	44.09	0.7886	23.25	-9.9999	S
489A-13-3	143.40	2.0300	40.18	0.6717	19.83	-9.9999	S
489A-15-1	160.15	1.9300	43.72	0.7768	22.63	-9.9999	S
489A-16-2	166.53	1.9800	42.82	0.7489	21.65	-9.9999	S
489A-16-3	168.62	1.9800	42.13	0.7280	21.10	-9.9999	S
489A-16-4	169.25	1.9500	44.75	0.8100	23.40	-9.9999	S
489A-17-1	170.50	2.0500	44.46	0.8005	22.78	-9.9999	S
489A-17-2	171.45	1.9150	46.05	0.8536	24.59	-9.9999	S
489A-18-1	180.00	-9.9999	-99.99	-9.9999	24.07	-9.9999	S
489A-18-2	181.50	2.0000	44.22	0.7928	22.09	-9.9999	S
489A-18-3	183.05	2.0500	36.97	0.5865	18.98	-9.9999	S
489A-19-1	183.50	1.9450	38.92	0.6371	19.15	-9.9999	S
489A-19-3	186.92	2.1800	36.62	0.5778	17.55	-9.9999	S
489A-2-1	7.25	-9.9999	53.52	1.1515	29.79	-9.9999	S
489A-2-2	8.80	-9.9999	51.70	1.0704	28.28	-9.9999	S
489A-2-3	9.75	-9.9999	54.36	1.1911	30.05	-9.9999	S
489A-2-4	10.88	1.8100	52.88	1.1222	29.67	-9.9999	S
489A-2-5	13.15	1.9200	52.62	1.1106	29.04	-9.9999	S
489A-2-6	14.00	1.8300	52.11	1.0881	32.59	-9.9999	S
489A-21-3	202.20	2.1700	41.84	0.7194	20.93	-9.9999	S
489A-21-4	202.80	2.1500	40.60	0.6835	20.12	-9.9999	S
489A-21-5	204.50	2.0600	36.28	0.5694	17.59	-9.9999	S
489A-21-6	205.75	2.1600	40.05	0.6681	19.75	-9.9999	S
489A-22-2	210.03	2.0800	35.22	0.5437	16.91	-9.9999	S
489A-22-3	211.05	-9.9999	35.96	0.5615	17.14	-9.9999	S
489A-22-4	212.60	-9.9999	34.30	0.5221	16.13	-9.9999	S
489A-22-5	214.46	-9.9999	36.31	0.5701	17.36	-9.9999	S
489A-23-4	222.00	-9.9999	32.49	0.4813	15.06	-9.9999	S
489A-24-2	229.05	2.1900	35.35	0.5468	16.77	-9.9999	S
489A-24-3	229.90	1.8500	35.35	0.5468	16.77	-9.9999	S
489A-24-4	231.23	2.1550	31.87	0.4678	15.18	-9.9999	S
489A-25-1	236.40	1.8500	35.30	0.5456	15.74	-9.9999	S
489A-25-4	241.40	2.1400	34.35	0.5232	16.29	-9.9999	S
489A-25-6	243.75	-9.9999	34.33	0.5228	16.15	-9.9999	S
489A-26-2	247.70	2.1600	32.24	0.4758	14.90	-9.9999	S
489A-26-4	250.90	2.2500	26.05	0.3523	11.59	-9.9999	S

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
489A-27-2	256.80	1.8600	36.65	0.5785	17.57	-9.9999	S
489A-27-3	258.60	2.0800	36.70	0.5798	17.48	-9.9999	S
489A-28-3	267.55	-9.9999	29.18	0.4120	13.18	-9.9999	S
489A-28-4	268.55	2.1400	30.50	0.4388	14.23	-9.9999	S
489A-29-5	279.05	1.9000	47.84	0.9172	-99.99	-9.9999	S
489A-3-5	22.95	1.8400	53.61	1.1556	29.86	-9.9999	S
489A-30-5	288.05	2.1600	30.46	0.4380	14.08	-9.9999	S
489A-4-1	55.95	2.0267	44.79	0.8112	23.09	-9.9999	S
489A-4-2	57.70	2.0250	42.21	0.7304	21.37	-9.9999	S
489A-4-3	58.65	1.9900	42.00	0.7241	21.05	-9.9999	S
489A-4-4	59.53	2.0140	40.56	0.6822	20.74	-9.9999	S
489A-4-5	62.00	2.0000	41.23	0.7015	20.54	-9.9999	S
489A-4-CC	64.60	-9.9999	39.71	0.6586	19.53	-9.9999	S
489A-5-1	65.20	-9.9999	39.35	0.6488	19.29	-9.9999	S
489A-5-2	66.70	1.9800	43.20	0.7606	-99.99	-9.9999	S
489A-5-4	70.53	1.8400	52.54	1.1070	28.04	-9.9999	S
489A-6-1	76.00	-9.9999	48.76	0.9516	25.96	-9.9999	S
489A-6-2	76.60	1.7800	41.22	0.7013	20.53	-9.9999	S
489A-6-3	77.90	1.7700	54.18	1.1825	30.53	-9.9999	S
489A-7-1	84.65	1.9600	43.86	0.7813	22.34	-9.9999	S
489A-7-2	86.25	1.9200	43.72	0.7768	22.25	-9.9999	S
489A-7-3	88.00	-9.9999	37.84	0.6088	18.32	-9.9999	S
489A-7-5	90.20	1.9900	45.14	0.8228	22.72	-9.9999	S
489A-8-1	94.00	1.9500	45.22	0.8255	23.32	-9.9999	S
489A-8-2	95.50	1.8200	52.49	1.1048	28.88	-9.9999	S
489A-8-3	96.65	1.8600	49.57	0.9829	26.63	-9.9999	S
489A-9-2	106.00	1.8600	51.45	1.0597	28.08	-9.9999	S
489A-9-3	106.05	1.8800	49.96	0.9984	27.64	-9.9999	S
490-1-1	1.27	-9.9999	66.84	2.0157	43.30	-9.9999	CS
490-1-2	2.52	1.5300	63.12	1.7115	39.40	-9.9999	CS
490-1-3	4.30	-9.9999	70.57	2.3979	47.60	-9.9999	CS
490-1-4	4.60	1.5600	66.40	1.9762	42.70	-9.9999	CS
490-10-1	86.57	-9.9999	61.50	1.5974	37.70	-9.9999	CS
490-10-2	88.40	1.6100	59.40	1.4631	36.80	-9.9999	CS
490-10-3	88.85	-9.9999	58.38	1.4027	34.70	-9.9999	CS
490-10-4	90.60	-9.9999	57.52	1.3540	33.90	-9.9999	CS
490-11-1	95.01	1.6000	59.76	1.4851	36.00	-9.9999	CS
490-12-2	106.25	1.6600	56.89	1.3194	33.85	-9.9999	CS
490-15-1	133.70	-9.9999	53.20	1.1368	30.10	-9.9999	CS
490-15-3	136.15	-9.9999	54.26	1.1863	31.00	-9.9999	CS
490-15-4	137.25	-9.9999	53.91	1.1697	30.70	-9.9999	CS
490-16-1	143.00	-9.9999	55.74	1.2594	32.30	-9.9999	CS
490-16-2	144.15	-9.9999	54.83	1.2139	31.50	-9.9999	CS
490-16-3	145.35	1.6800	56.95	1.3229	33.90	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
490-17-1	152.55	-9.9999	57.41	1.3480	33.80	-9.9999	CS
490-17-2	154.20	-9.9999	55.74	1.2594	32.30	-9.9999	CS
490-17-3	155.10	-9.9999	54.02	1.1749	30.80	-9.9999	CS
490-17-4	156.38	1.7260	53.56	1.1533	30.35	-9.9999	CS
490-18-1	161.65	-9.9999	56.86	1.3180	33.30	-9.9999	CS
490-18-2	163.65	-9.9999	56.53	1.3004	33.00	-9.9999	CS
490-18-3	164.35	-9.9999	54.83	1.2139	31.50	-9.9999	CS
490-18-4	166.66	-9.9999	50.04	1.0014	27.50	-9.9999	CS
490-18-5	167.32	-9.9999	51.64	1.0678	28.80	-9.9999	CS
490-19-1	171.95	-9.9999	51.40	1.0576	28.60	-9.9999	CS
490-2-1	10.03	-9.9999	67.52	2.0788	43.80	-9.9999	CS
490-2-2	11.75	-9.9999	64.60	1.8249	40.90	-9.9999	CS
490-2-3	13.35	-9.9999	65.90	1.9326	42.30	-9.9999	CS
490-2-4	14.50	1.6200	61.80	1.6178	38.20	-9.9999	CS
490-2-5	16.20	-9.9999	60.20	1.5126	36.40	-9.9999	CS
490-2-6	17.50	-9.9999	64.20	1.7933	40.50	-9.9999	CS
490-20-1	181.05	-9.9999	53.91	1.1697	30.70	-9.9999	CS
490-20-2	182.61	1.7000	54.88	1.2163	31.80	-9.9999	CS
490-20-3	183.80	1.8300	50.29	1.0115	27.70	-9.9999	CS
490-20-4	185.45	1.7100	52.79	1.1182	30.35	-9.9999	CS
490-20-6	188.30	-9.9999	55.63	1.2538	32.20	-9.9999	CS
490-21-1	190.80	-9.9999	57.19	1.3359	33.60	-9.9999	CS
490-21-2	192.35	-9.9999	56.42	1.2946	-99.99	-9.9999	CS
490-21-3	193.60	-9.9999	53.91	1.1697	30.70	-9.9999	CS
490-21-4	194.63	1.7400	53.91	1.1697	30.95	-9.9999	CS
490-21-5	196.45	-9.9999	52.85	1.1209	29.80	-9.9999	CS
490-21-6	197.90	1.7600	51.70	1.0704	29.30	-9.9999	CS
490-22-1	200.30	-9.9999	50.29	1.0117	27.70	-9.9999	CS
490-22-2	201.70	-9.9999	49.91	0.9964	27.40	-9.9999	CS
490-22-3	202.92	-9.9999	54.49	1.1973	31.20	-9.9999	CS
490-22-4	204.30	1.7800	50.80	1.0325	28.60	-9.9999	CS
490-22-5	205.85	-9.9999	52.15	1.0899	29.22	-9.9999	CS
490-22-6	207.25	1.7600	49.50	0.9802	28.10	-9.9999	CS
490-23-1	209.80	-9.9999	54.37	1.1915	31.10	-9.9999	CS
490-23-2	210.45	-9.9999	53.79	1.1640	30.60	-9.9999	CS
490-23-3	212.25	-9.9999	56.53	1.3004	33.00	-9.9999	CS
490-23-4	213.40	1.7200	55.00	1.2222	32.00	-9.9999	CS
490-23-5	215.05	-9.9999	54.83	1.2139	31.50	-9.9999	CS
490-23-6	217.00	1.8000	50.34	1.0137	27.75	-9.9999	CS
490-23-7	218.10	-9.9999	45.06	0.8202	23.70	-9.9999	CS
490-24-1	218.20	-9.9999	48.25	0.9324	26.10	-9.9999	CS
490-24-2	220.40	1.8600	48.10	0.9268	25.90	-9.9999	CS
490-24-3	222.10	-9.9999	45.60	0.8382	24.10	-9.9999	CS
490-25-1	227.80	-9.9999	49.91	0.9964	27.40	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
490-25-2	230.72	1.7500	52.90	1.1231	30.20	-9.9999	CS
490-25-3	230.98	-9.9999	50.41	1.0165	27.80	-9.9999	CS
490-25-4	232.92	1.8100	51.00	1.0408	28.10	-9.9999	CS
490-25-5	233.65	-9.9999	48.12	0.9275	26.00	-9.9999	CS
490-26-3	240.06	-9.9999	48.54	0.9433	26.32	-9.9999	CS
490-26-4	242.05	1.8000	52.00	1.0833	28.90	-9.9999	CS
490-26-5	244.00	-9.9999	46.41	0.8660	24.70	-9.9999	CS
490-27-1	247.55	-9.9999	41.82	0.7188	21.40	-9.9999	CS
490-27-2	249.20	-9.9999	41.53	0.7103	21.20	-9.9999	CS
490-28-1	256.86	-9.9999	46.68	0.8755	24.90	-9.9999	CS
490-28-2	258.26	-9.9999	50.16	1.0064	27.60	-9.9999	CS
490-28-3	260.00	1.7900	50.65	1.0261	28.10	-9.9999	CS
490-28-4	261.25	-9.9999	49.02	0.9616	26.70	-9.9999	CS
490-28-5	262.94	1.8900	48.80	0.9531	26.10	-9.9999	CS
490-28-6	264.30	-9.9999	46.80	0.8797	25.00	-9.9999	CS
490-29-1	266.83	-9.9999	51.88	1.0781	29.00	-9.9999	CS
490-29-3	269.45	1.8600	52.50	1.1053	28.30	-9.9999	CS
490-29-4	270.92	-9.9999	49.15	0.9666	26.80	-9.9999	CS
490-3-2	21.40	-9.9999	61.50	1.5974	37.70	-9.9999	CS
490-3-3	22.51	-9.9999	57.00	1.3256	33.40	-9.9999	CS
490-3-4	24.05	1.6700	57.00	1.3256	34.10	-9.9999	CS
490-3-5	25.59	-9.9999	59.13	1.4468	35.40	-9.9999	CS
490-3-6	26.82	-9.9999	60.07	1.5044	36.30	-9.9999	CS
490-30-1	275.00	-9.9999	42.54	0.7403	21.90	-9.9999	CS
490-30-2	277.00	-9.9999	47.21	0.8943	25.30	-9.9999	CS
490-30-3	278.10	1.8200	49.30	0.9724	27.10	-9.9999	CS
490-31-2	284.75	1.8400	48.30	0.9342	26.20	-9.9999	CS
490-33-1	299.95	-9.9999	43.67	0.7753	22.70	-9.9999	CS
490-35-1	314.15	-9.9999	39.76	0.6600	20.00	-9.9999	CS
490-35-4	318.75	-9.9999	40.80	0.6892	20.70	-9.9999	CS
490-35-5	319.95	1.9600	43.61	0.7734	29.00	-9.9999	CS
490-36-1	323.90	1.9300	43.20	0.7606	22.40	-9.9999	CS
490-36-3	326.85	-9.9999	43.95	0.7841	22.90	-9.9999	CS
490-36-5	329.85	-9.9999	39.91	0.6642	20.10	-9.9999	CS
490-37-1	332.90	1.9600	42.60	0.7422	21.80	-9.9999	CS
490-37-2	334.45	-9.9999	44.51	0.8021	23.30	-9.9999	CS
490-38-2	342.30	1.9200	44.90	0.8149	23.40	-9.9999	CS
490-38-4	346.90	1.9100	45.30	0.8282	23.70	-9.9999	CS
490-38-5	348.40	-9.9999	42.68	0.7446	22.00	-9.9999	CS
490-39-1	351.82	-9.9999	41.53	0.7103	21.20	-9.9999	CS
490-39-4	356.00	-9.9999	45.87	0.8474	24.30	-9.9999	CS
490-39-6	359.30	1.9500	42.00	0.7241	21.12	-9.9999	CS
490-4-2	30.60	-9.9999	58.92	1.4343	35.20	-9.9999	CS
490-4-3	32.40	1.6200	61.40	1.5907	37.90	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
490-4-4	33.00	-9.9999	58.28	1.3969	34.60	-9.9999	CS
490-4-5	34.65	-9.9999	58.06	1.3844	34.40	-9.9999	CS
490-40-5	367.40	-9.9999	45.47	0.8339	20.40	-9.9999	CS
490-40-7	369.85	1.9400	42.70	0.7452	22.00	-9.9999	CS
490-41-1	371.40	2.0100	39.34	0.6485	-99.99	-9.9999	CS
490-41-2	371.95	-9.9999	41.09	0.6975	20.90	-9.9999	CS
490-42-1	380.00	1.9900	41.30	0.7036	20.70	-9.9999	CS
490-42-4	384.90	-9.9999	38.85	0.6353	19.40	-9.9999	CS
490-43-1	389.89	2.0550	37.95	0.6116	18.58	-9.9999	CS
490-43-2	391.30	2.0100	40.80	0.6892	20.30	-9.9999	CS
490-43-3	392.90	1.9800	41.30	0.7036	21.95	-9.9999	CS
490-44-1	399.75	1.9600	42.60	0.7422	21.80	-9.9999	CS
490-44-2	400.70	1.9200	43.80	0.7794	21.35	-9.9999	CS
490-47-1	418.39	2.0325	37.02	0.5878	18.20	-9.9999	CS
490-48-1	428.45	2.0900	34.61	0.5293	16.70	-9.9999	CS
490-49-1	437.75	2.1100	32.00	0.4706	15.60	-9.9999	CS
490-49-2	438.92	-9.9999	33.06	0.4939	16.30	-9.9999	CS
490-5-6	46.55	-9.9999	55.63	1.2538	32.20	-9.9999	CS
490-5-CC	47.15	1.6555	58.69	1.4207	36.30	-9.9999	CS
490-50-1	446.64	2.1100	32.80	0.4881	15.50	-9.9999	CS
490-50-CC	455.05	1.9700	43.64	0.7743	-99.99	-9.9999	CS
490-51-1	456.30	1.9300	43.40	0.7668	22.50	-9.9999	CS
490-52-CC	465.55	2.0700	35.60	0.5528	17.20	-9.9999	CS
490-53-1	475.25	1.9800	39.40	0.6502	19.90	-9.9999	CS
490-54-1	485.05	2.0800	34.28	0.5216	16.50	-9.9999	CS
490-54-2	485.92	-9.9999	36.06	0.5640	17.60	-9.9999	CS
490-54-3	487.65	2.0000	39.30	0.6474	19.60	-9.9999	CS
490-54-4	489.05	2.0600	36.50	0.5748	17.70	-9.9999	CS
490-55-1	494.75	-9.9999	35.58	0.5523	17.30	-9.9999	CS
490-55-2	496.40	1.9900	40.00	0.6667	20.10	-9.9999	CS
490-55-3	497.60	-9.9999	34.61	0.5293	16.10	-9.9999	CS
490-55-4	498.48	2.0710	37.19	0.5921	19.20	-9.9999	CS
490-56-2	505.70	2.0700	36.52	0.5753	-99.99	-9.9999	CS
490-56-3	203.00	-9.9999	38.50	0.6260	19.00	-9.9999	CS
490-56-4	508.45	2.1400	37.94	0.6113	18.80	-9.9999	CS
490-56-5	510.10	2.0300	38.00	0.6129	18.70	-9.9999	CS
490-57-1	512.65	-9.9999	37.47	0.5992	18.50	-9.9999	CS
490-57-2	514.68	2.0300	38.10	0.6155	18.80	-9.9999	CS
490-57-4	518.15	2.1000	34.40	0.5244	16.40	-9.9999	CS
490-57-6	520.10	-9.9999	41.96	0.7229	21.50	-9.9999	CS
490-58-3	526.45	-9.9999	42.68	0.7446	22.00	-9.9999	CS
490-58-4	527.45	2.0200	39.80	0.6611	19.70	-9.9999	CS
490-58-5	529.50	2.1100	35.00	0.5385	-99.99	-9.9999	CS
490-58-6	530.15	2.0900	35.40	0.5480	16.90	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
490-59-2	533.98	2.1200	40.50	0.6807	20.50	-9.9999	CS
490-59-3	535.00	2.0100	40.40	0.6779	21.10	-9.9999	CS
490-59-4	536.60	-9.9999	37.47	0.5992	18.50	-9.9999	CS
490-6-5	54.04	1.5900	60.90	1.5572	37.75	-9.9999	CS
490-60-1	541.83	2.1100	34.70	0.5314	16.50	-9.9999	CS
490-60-2	543.23	2.0300	41.09	0.6975	20.90	-9.9999	CS
490-61-1	551.82	-9.9999	38.09	0.6152	18.90	-9.9999	CS
490-61-2	552.75	2.0500	38.00	0.6129	18.60	-9.9999	CS
490-61-3	554.00	2.1000	38.40	0.6234	19.10	-9.9999	CS
490-62-1	560.40	-9.9999	42.97	0.7535	22.20	-9.9999	CS
490-62-3	563.50	-9.9999	41.82	0.7188	21.40	-9.9999	CS
490-62-4	565.00	1.9700	41.80	0.7182	21.20	-9.9999	CS
490-63-1	570.58	-9.9999	44.23	0.7931	23.10	-9.9999	CS
490-63-2	571.65	1.9500	42.80	0.7483	22.00	-9.9999	CS
490-64-2	580.70	1.8400	47.80	0.9157	25.90	-9.9999	CS
490-7-1	57.30	-9.9999	56.53	1.3004	33.00	-9.9999	CS
490-7-2	58.70	1.5600	63.70	1.7548	40.70	-9.9999	CS
490-7-3	60.39	1.6050	62.28	1.6508	39.60	-9.9999	CS
490-8-1	67.20	-9.9999	59.13	1.4468	35.40	-9.9999	CS
490-8-2	68.55	1.6300	59.40	1.4631	36.40	-9.9999	CS
490-8-3	70.25	-9.9999	58.17	1.3906	34.50	-9.9999	CS
490-8-4	71.53	1.5700	62.60	1.6738	40.00	-9.9999	CS
490-9-1	76.75	1.6500	57.20	1.3364	34.70	-9.9999	CS
490-9-2	78.35	-9.9999	59.55	1.4722	35.80	-9.9999	CS
490-9-5	82.00	1.9500	44.90	0.8149	-99.99	-9.9999	CS
491-1-1	0.50	1.5800	67.84	2.1095	44.30	-9.9999	CS
491-1-2	2.65	-9.9999	65.39	1.8893	41.60	-9.9999	CS
491-1-3	4.25	1.5900	65.63	1.9095	42.53	-9.9999	CS
491-1-4	5.80	-9.9999	64.16	1.7902	40.30	-9.9999	CS
491-1-5	6.75	1.6250	64.64	1.8277	40.70	-9.9999	CS
491-10-5	92.80	-9.9999	46.25	0.8605	24.50	-9.9999	CS
491-10-6	94.20	-9.9999	45.44	0.8328	23.90	-9.9999	CS
491-11-2	98.20	-9.9999	46.25	0.8605	24.50	-9.9999	CS
491-11-3	100.80	1.8100	50.50	1.0202	27.80	-9.9999	CS
491-14-3	118.10	-9.9999	48.62	0.9463	26.30	-9.9999	CS
491-14-6	122.55	-9.9999	42.22	0.7307	21.60	-9.9999	CS
491-15-1	125.00	1.8400	47.30	0.8975	25.70	-9.9999	CS
491-15-4	129.50	1.9400	42.93	0.7522	22.10	-9.9999	CS
491-15-5	131.00	-9.9999	42.36	0.7349	21.70	-9.9999	CS
491-15-7	133.21	1.8400	48.30	0.9342	26.30	-9.9999	CS
491-16-1	134.70	-9.9999	49.14	0.9662	26.70	-9.9999	CS
491-16-4	138.42	1.8600	44.48	0.8012	23.40	-9.9999	CS
491-16-5	140.40	-9.9999	43.64	0.7743	22.60	-9.9999	CS
491-16-6	141.93	2.0050	36.88	0.5842	19.61	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
491-17-1	144.01	-9.9999	43.50	0.7699	22.50	-9.9999	CS
491-17-2	145.60	-9.9999	45.58	0.8376	24.00	-9.9999	CS
491-17-4	148.65	1.8000	48.60	0.9455	27.04	-9.9999	CS
491-17-5	150.12	1.9300	42.45	0.7376	25.30	-9.9999	CS
491-17-6	151.40	1.9275	44.86	0.8136	23.80	-9.9999	CS
491-18-CC	161.62	-9.9999	42.07	0.7262	21.50	-9.9999	CS
491-19-1	163.35	-9.9999	46.79	0.8793	24.90	-9.9999	CS
491-19-3	165.35	-9.9999	42.65	0.7437	21.90	-9.9999	CS
491-19-5	167.40	1.9700	41.80	0.7182	21.20	-9.9999	CS
491-2-2	11.35	-9.9999	65.48	1.8969	41.70	-9.9999	CS
491-2-3	14.10	1.6400	62.20	1.6455	37.87	-9.9999	CS
491-2-4	15.45	1.7105	61.08	1.5695	37.19	-9.9999	CS
491-2-5	16.10	1.6600	59.90	1.4938	35.60	-9.9999	CS
491-21-3	185.18	1.9700	39.42	0.6506	19.75	-9.9999	CS
491-21-4	185.60	1.9900	40.53	0.6815	26.69	-9.9999	CS
491-22-4	195.75	1.9100	43.85	0.7809	22.40	-9.9999	CS
491-23-2	200.90	-9.9999	38.04	0.6139	18.80	-9.9999	CS
491-25-1	210.95	-9.9999	41.64	0.7135	21.20	-9.9999	CS
491-25-2	211.33	1.9100	43.50	0.7699	22.80	-9.9999	CS
491-25-3	213.00	-9.9999	43.92	0.7832	22.80	-9.9999	CS
491-25-5	215.83	1.9200	44.69	0.8078	27.10	-9.9999	CS
491-25-6	217.82	2.0100	43.50	0.7699	22.50	-9.9999	CS
491-26-1	223.30	-9.9999	40.61	0.6838	20.50	-9.9999	CS
491-26-2	221.60	1.9100	43.90	0.7825	23.10	-9.9999	CS
491-26-5	226.10	-9.9999	40.48	0.6801	20.30	-9.9999	CS
491-26-6	227.90	1.9200	46.00	0.8519	22.40	-9.9999	CS
491-27-3	232.75	1.8700	45.82	0.8457	24.50	-9.9999	CS
491-27-4	234.20	2.0000	41.79	0.7179	21.30	-9.9999	CS
491-27-5	235.95	-9.9999	40.46	0.6795	20.40	-9.9999	CS
491-27-7	237.65	1.9500	40.90	0.6920	20.99	-9.9999	CS
491-28-4	243.75	-9.9999	45.71	0.8420	24.10	-9.9999	CS
491-28-5	244.63	1.9600	41.38	0.7059	21.15	-9.9999	CS
491-29-3	251.50	-9.9999	39.42	0.6507	19.70	-9.9999	CS
491-29-4	251.91	1.9600	41.00	0.6949	20.90	-9.9999	CS
491-29-5	254.45	2.1200	36.32	0.5704	17.70	-9.9999	CS
491-3-1	20.80	-9.9999	54.24	1.1853	30.90	-9.9999	CS
491-3-2	22.05	1.7300	56.18	1.2821	32.60	-9.9999	CS
491-3-3	23.65	-9.9999	59.02	1.4402	35.20	-9.9999	CS
491-3-4	24.20	1.6600	60.10	1.5063	36.30	-9.9999	CS
491-3-6	27.33	1.7220	56.73	1.3111	33.64	-9.9999	CS
491-3-7	28.85	1.7000	56.90	1.3202	33.70	-9.9999	CS
491-30-2	259.10	-9.9999	37.73	0.6059	18.60	-9.9999	CS
491-30-3	260.95	1.9400	38.20	0.6181	18.90	-9.9999	CS
491-30-4	262.15	1.9200	44.19	0.7918	26.40	-9.9999	CS



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
491-30-6	265.22	2.0000	38.00	0.6129	18.95	-9.9999	CS
491-31-6	274.35	1.9500	40.20	0.6722	20.60	-9.9999	CS
491-33-1	286.35	1.8800	45.20	0.8248	24.10	-9.9999	CS
491-33-2	286.52	1.9400	42.10	0.7271	21.66	-9.9999	CS
491-33-6	294.05	1.9300	42.90	0.7513	22.30	-9.9999	CS
491-34-6	302.70	1.9300	42.60	0.7422	22.10	-9.9999	CS
491-35-5	311.02	1.9800	40.70	0.6863	20.50	-9.9999	CS
491-36-4	319.35	1.9200	42.60	0.7422	22.14	-9.9999	CS
491-36-5	321.50	1.8900	44.50	0.8018	23.50	-9.9999	CS
491-37-4	329.46	1.9600	40.21	0.6725	20.35	-9.9999	CS
491-38-2	332.23	1.8530	48.54	0.9433	26.20	-9.9999	CS
491-39-1	340.40	1.9600	41.80	0.7182	21.40	-9.9999	CS
491-39-2	341.85	1.9600	41.14	0.6989	21.02	-9.9999	CS
491-4-4	34.47	1.7900	57.29	1.3414	33.60	-9.9999	CS
491-4-5	35.85	1.7500	58.09	1.3861	34.35	-9.9999	CS
491-4-CC	38.15	1.6500	59.70	1.4814	36.20	-9.9999	CS
491-40-2	354.56	1.9200	42.10	0.7271	21.90	-9.9999	CS
491-40-3	355.30	2.0300	38.81	0.6343	19.30	-9.9999	CS
491-41-3	365.05	1.9100	43.20	0.7606	22.60	-9.9999	CS
491-41-5	368.24	2.0490	38.96	0.6383	19.40	-9.9999	CS
491-43-2	384.50	1.9800	39.40	0.6502	19.90	-9.9999	CS
491-43-4	386.10	-9.9999	32.56	0.4828	15.40	-9.9999	CS
491-44-3	394.10	-9.9999	36.32	0.5704	17.70	-9.9999	CS
491-44-4	394.72	1.9600	41.90	0.7212	21.40	-9.9999	CS
491-45-3	403.07	-9.9999	41.06	0.6966	20.80	-9.9999	CS
491-45-4	404.20	1.9200	43.00	0.7544	22.40	-9.9999	CS
491-46-1	410.40	-9.9999	41.49	0.7091	21.10	-9.9999	CS
491-48-2	430.95	2.0000	38.50	0.6260	19.30	-9.9999	CS
491-48-4	433.40	-9.9999	34.71	0.5316	16.70	-9.9999	CS
491-49-3	441.01	2.0200	37.60	0.6026	18.60	-9.9999	CS
491-5-3	42.15	1.8200	51.66	1.0685	28.77	-9.9999	CS
491-5-4	43.00	1.7500	54.30	1.1882	31.00	-9.9999	CS
491-50-3	451.50	2.0100	38.20	0.6181	19.00	-9.9999	CS
491-50-4	453.10	-9.9999	38.20	0.6181	18.90	-9.9999	CS
491-50-5	454.15	2.0300	36.10	0.5649	17.80	-9.9999	CS
491-51-2	459.70	-9.9999	36.80	0.5823	18.00	-9.9999	CS
491-51-3	460.55	-9.9999	35.04	0.5394	16.90	-9.9999	CS
491-51-4	462.16	2.0500	36.20	0.5674	17.70	-9.9999	CS
491-52-3	469.18	2.0800	35.60	0.5528	17.10	-9.9999	CS
491-53-CC	483.90	2.0600	35.60	0.5528	17.30	-9.9999	CS
491-54-1	485.95	-9.9999	35.36	0.5470	17.10	-9.9999	CS
491-54-3	488.31	2.0400	36.60	0.5773	17.90	-9.9999	CS
491-55-1	495.32	-9.9999	35.36	0.5470	17.10	-9.9999	CS
491-55-2	496.30	2.0600	35.40	0.5480	17.20	-9.9999	CS



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
491-56-2	504.47	-9.9999	38.96	0.6383	19.40	-9.9999	CS
491-56-3	507.70	2.0300	36.40	0.5723	17.90	-9.9999	CS
491-57-3	517.00	-9.9999	33.06	0.4939	15.70	-9.9999	CS
491-57-4	518.35	2.0700	35.00	0.5385	16.90	-9.9999	CS
491-57-5	519.65	2.0800	35.78	0.5571	22.02	-9.9999	CS
491-58-2	524.65	2.1300	32.20	0.4749	15.11	-9.9999	CS
491-58-3	527.10	-9.9999	35.04	0.5394	16.90	-9.9999	CS
491-59-1	533.06	2.0200	37.10	0.5898	18.40	-9.9999	CS
491-59-CC	533.50	2.0800	34.69	0.5312	20.80	-9.9999	CS
491-6-2	49.76	1.8500	52.35	1.0986	29.30	-9.9999	CS
491-6-3	51.25	1.7050	57.33	1.3433	33.97	-9.9999	CS
491-6-4	52.85	-9.9999	54.93	1.2188	31.50	-9.9999	CS
491-6-5	54.50	-9.9999	54.24	1.1853	30.90	-9.9999	CS
491-6-6	55.85	1.8900	49.12	0.9654	26.70	-9.9999	CS
491-6-7	56.60	1.6700	58.50	1.4096	35.00	-9.9999	CS
491-7-1	58.50	-9.9999	49.38	0.9755	26.90	-9.9999	CS
491-7-3	61.13	1.6900	56.80	1.3148	33.60	-9.9999	CS
491-7-4	62.50	-9.9999	52.35	1.0986	29.30	-9.9999	CS
491-7-5	64.23	-9.9999	51.37	1.0563	28.50	-9.9999	CS
491-7-6	65.90	1.7600	52.60	1.1097	29.70	-9.9999	CS
491-7-7	66.60	1.8300	50.13	1.0052	27.50	-9.9999	CS
491-8-1	68.10	-9.9999	43.64	0.7743	22.60	-9.9999	CS
491-8-2	69.85	-9.9999	53.43	1.1473	30.20	-9.9999	CS
491-8-4	72.56	-9.9999	46.25	0.8605	24.50	-9.9999	CS
491-8-5	74.36	1.9000	46.62	0.8734	25.09	-9.9999	CS
491-8-6	75.80	1.8400	48.70	0.9493	26.40	-9.9999	CS
491-9-1	77.90	-9.9999	42.36	0.7349	21.70	-9.9999	CS
491-9-2	79.15	-9.9999	50.15	1.0060	27.50	-9.9999	CS
491-9-3	80.50	1.8200	49.30	0.9724	27.00	-9.9999	CS
491-9-5	83.00	-9.9999	46.25	0.8605	24.50	-9.9999	CS
491-9-7	85.60	1.8000	50.50	1.0202	28.00	-9.9999	CS
492-1-1	0.95	-9.9999	73.07	2.7133	50.50	-9.9999	CS
492-1-2	2.15	1.7900	68.44	2.1686	44.90	-9.9999	CS
492-1-3	3.10	-9.9999	67.22	2.0506	43.50	-9.9999	CS
492-10-1	79.89	-9.9999	44.44	0.7999	23.10	-9.9999	CS
492-10-3	83.05	-9.9999	46.49	0.8688	24.60	-9.9999	CS
492-10-4	84.00	1.8400	48.90	0.9569	26.60	-9.9999	CS
492-11-1	89.30	-9.9999	42.61	0.7425	21.80	-9.9999	CS
492-11-2	91.67	1.8800	48.67	0.9480	27.00	-9.9999	CS
492-11-3	92.60	-9.9999	44.16	0.7908	22.90	-9.9999	CS
492-11-CC	98.02	1.8400	49.50	0.9802	26.80	-9.9999	CS
492-12-1	99.80	-9.9999	45.68	0.8409	24.00	-9.9999	CS
492-12-2	101.00	1.8900	45.30	0.8282	-99.99	-9.9999	CS
492-12-3	102.14	1.8100	49.70	0.9881	27.40	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
492-12-4	102.73	1.9000	47.27	0.8963	25.00	-9.9999	CS
492-12-5	104.96	1.8700	47.16	0.8925	25.10	-9.9999	CS
492-13-2	110.60	1.8600	48.60	0.9455	26.10	-9.9999	CS
492-13-3	11.15	-9.9999	48.34	0.9357	26.00	-9.9999	CS
492-14-3	121.60	1.8500	48.99	0.9603	25.90	-9.9999	CS
492-14-5	124.75	-9.9999	49.24	0.9701	26.70	-9.9999	CS
492-14-6	126.39	1.8200	50.40	1.0161	27.70	-9.9999	CS
492-15-1	127.70	1.7500	54.40	1.1930	31.20	-9.9999	CS
492-15-2	129.45	-9.9999	47.03	0.8879	25.00	-9.9999	CS
492-15-3	131.15	-9.9999	50.63	1.0255	27.80	-9.9999	CS
492-16-3	139.80	1.8100	52.10	1.0877	28.80	-9.9999	CS
492-16-4	141.03	-9.9999	55.96	1.2707	32.30	-9.9999	CS
492-16-5	142.73	1.8100	50.50	1.0202	27.70	-9.9999	CS
492-16-CC	145.55	1.8200	51.38	1.0568	-99.99	-9.9999	CS
492-17-1	146.67	1.7400	54.30	1.1879	30.95	-9.9999	CS
492-17-3	149.15	1.8000	53.22	1.1377	30.40	-9.9999	CS
492-18-1	156.44	-9.9999	53.42	1.1468	30.10	-9.9999	CS
492-18-3	159.28	1.7400	53.34	1.1432	30.25	-9.9999	CS
492-18-4	160.51	-9.9999	54.82	1.2134	31.30	-9.9999	CS
492-18-CC	164.53	1.8700	48.75	0.9512	-99.99	-9.9999	CS
492-19-1	166.50	-9.9999	54.24	1.1853	30.80	-9.9999	CS
492-19-2	166.65	1.7500	54.40	1.1930	31.10	-9.9999	CS
492-19-3	168.85	-9.9999	54.01	1.1744	30.60	-9.9999	CS
492-2-2	6.30	1.5800	67.22	2.0506	43.50	-9.9999	CS
492-2-3	7.22	1.6000	64.14	1.7882	38.70	-9.9999	CS
492-2-4	8.47	1.5700	63.55	1.7435	39.65	-9.9999	CS
492-22-3	197.25	1.8350	49.42	0.9771	26.80	-9.9999	CS
492-22-5	200.10	-9.9999	43.60	0.7730	22.50	-9.9999	CS
492-23-1	203.25	1.8900	47.59	0.9080	-99.99	-9.9999	CS
492-23-4	208.50	-9.9999	44.86	0.8136	23.40	-9.9999	CS
492-23-CC	212.03	1.8500	47.60	0.9084	25.70	-9.9999	CS
492-24-1	212.61	2.0000	39.90	0.6639	20.00	-9.9999	CS
492-24-2	214.05	1.9500	42.30	0.7331	21.70	-9.9999	CS
492-24-3	215.98	1.9600	45.24	0.8262	25.11	-9.9999	CS
492-24-CC	221.53	-9.9999	44.16	0.7908	22.90	-9.9999	CS
492-25-1	222.25	1.9400	43.80	0.7794	22.60	-9.9999	CS
492-25-3	226.01	-9.9999	38.91	0.6369	19.30	-9.9999	CS
492-25-4	226.95	2.0300	39.92	0.6644	-99.99	-9.9999	CS
492-25-5	228.81	-9.9999	37.36	0.5964	18.30	-9.9999	CS
492-26-2	233.91	-9.9999	43.32	0.7643	22.30	-9.9999	CS
492-26-4	235.59	1.9100	45.60	0.8382	23.90	-9.9999	CS
492-26-5	237.50	2.0600	39.00	0.6393	-99.99	-9.9999	CS
492-26-6	239.20	1.9300	42.60	0.7422	22.10	-9.9999	CS
492-3-2	16.60	1.7800	60.69	1.5439	36.70	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
492-3-3	17.20	1.9100	50.50	1.0202	26.40	-9.9999	CS
492-3-4	18.45	1.7750	54.90	1.2172	30.05	-9.9999	CS
492-3-5	19.27	1.7000	59.03	1.4405	35.00	-9.9999	CS
492-4-1	23.55	-9.9999	59.13	1.4468	35.30	-9.9999	CS
492-4-6	30.75	1.7200	59.34	1.4591	35.40	-9.9999	CS
492-4-7	31.85	1.6900	58.70	1.4213	34.80	-9.9999	CS
492-4-CC	31.95	-9.9999	57.95	1.3781	34.10	-9.9999	CS
492-5-1	33.40	-9.9999	62.01	1.6323	38.00	-9.9999	CS
492-5-2	34.30	1.6350	61.90	1.6247	38.25	-9.9999	CS
492-5-3	35.92	1.6450	60.36	1.5227	34.60	-9.9999	CS
492-5-4	37.52	1.6400	58.23	1.3941	34.75	-9.9999	CS
492-5-5	38.10	-9.9999	46.69	0.8758	24.60	-9.9999	CS
492-6-1	42.85	-9.9999	47.03	0.8879	25.00	-9.9999	CS
492-6-2	43.67	1.6850	57.42	1.3482	35.30	-9.9999	CS
492-6-4	47.36	-9.9999	55.16	1.2302	31.60	-9.9999	CS
492-6-5	48.35	1.8300	51.12	1.0458	33.30	-9.9999	CS
492-6-6	49.74	1.7900	52.00	1.0833	29.02	-9.9999	CS
492-7-3	54.45	1.7400	52.19	1.0914	29.35	-9.9999	CS
492-8-1	61.50	-9.9999	54.60	1.2026	22.50	-9.9999	CS
492-8-2	63.30	-9.9999	47.95	0.9212	25.70	-9.9999	CS
492-8-3	64.35	1.8400	50.64	1.0257	28.30	-9.9999	CS
492-8-4	65.60	-9.9999	49.19	0.9681	26.90	-9.9999	CS
492-9-2	72.45	1.7100	55.90	1.2676	32.80	-9.9999	CS
492-9-3	73.25	-9.9999	50.38	1.0153	27.60	-9.9999	CS
492A-1-1	0.90	1.4900	70.01	2.3344	47.37	-9.9999	CS
492A-1-2	2.19	1.5567	67.60	2.0864	44.47	-9.9999	CS
492A-1-3	3.53	-9.9999	67.67	2.0934	44.03	-9.9999	CS
492A-10-1	47.61	1.7250	54.16	1.1815	31.10	-9.9999	CS
492A-2-1	5.42	1.5850	64.31	1.8018	41.30	-9.9999	CS
492A-2-2	6.48	1.6100	64.30	1.8009	40.83	-9.9999	CS
492A-2-3	7.75	1.5800	63.66	1.7517	39.83	-9.9999	CS
492A-3-1	9.88	1.6533	60.89	1.5566	36.60	-9.9999	CS
492A-3-2	10.79	1.6700	59.56	1.4730	36.25	-9.9999	CS
492A-4-1	14.68	1.7200	57.36	1.3454	33.47	-9.9999	CS
492A-4-2	15.54	1.6850	58.70	1.4213	36.85	-9.9999	CS
492A-5-1	24.20	1.6800	58.37	1.4019	34.63	-9.9999	CS
492A-5-2	25.56	1.7033	57.10	1.3309	32.63	-9.9999	CS
492A-6-1	29.03	1.7000	57.57	1.3565	34.90	-9.9999	CS
492A-6-2	30.30	1.6950	58.24	1.3944	34.65	-9.9999	CS
492A-7-1	33.48	1.6850	57.18	1.3355	33.30	-9.9999	CS
492A-7-2	34.50	1.6600	59.60	1.4752	34.45	-9.9999	CS
492A-8-1	38.33	1.6850	58.70	1.4213	34.90	-9.9999	CS
492A-9-1	42.98	1.8100	49.07	0.9633	26.60	-9.9999	CS
493-10-1	196.25	-9.9999	51.74	1.0721	29.10	-9.9999	S

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
493-10-2	198.01	1.6600	56.20	1.2831	33.80	-9.9999	S
493-10-3	199.40	-9.9999	53.88	1.1683	30.90	-9.9999	S
493-10-5	202.15	-9.9999	54.22	1.1844	31.20	-9.9999	S
493-11-1	206.75	1.6600	56.40	1.2936	34.00	-9.9999	S
493-11-2	207.70	-9.9999	54.91	1.2178	31.80	-9.9999	S
493-13-1	225.19	1.6600	54.50	1.1978	32.90	-9.9999	S
493-14-1	234.80	1.6500	56.80	1.3148	34.40	-9.9999	S
493-14-2	235.90	-9.9999	52.34	1.0982	29.60	-9.9999	S
493-14-5	240.20	-9.9999	52.70	1.1142	29.90	-9.9999	S
493-15-1	244.50	1.7100	54.10	1.1786	31.60	-9.9999	S
493-15-3	247.50	1.8400	51.50	1.0619	28.90	-9.9999	S
493-15-4	248.35	-9.9999	51.86	1.0773	29.20	-9.9999	S
493-17-1	263.79	1.7000	53.40	1.1459	31.30	-9.9999	S
493-17-2	264.35	-9.9999	44.38	0.7979	23.40	-9.9999	S
493-17-3	266.50	1.8600	49.63	0.9853	27.61	-9.9999	S
493-18-4	277.75	1.8500	48.37	0.9369	26.40	-9.9999	S
493-18-5	278.85	1.7900	48.00	0.9231	26.80	-9.9999	S
493-18-6	280.43	-9.9999	55.03	1.2237	31.90	-9.9999	S
493-19-2	284.50	-9.9999	52.34	1.0982	29.60	-9.9999	S
493-19-4	287.50	1.8700	48.88	0.9562	26.80	-9.9999	S
493-19-5	288.80	1.6500	57.10	1.3310	34.60	-9.9999	S
493-2-1	120.50	-9.9999	54.22	1.1844	31.20	-9.9999	S
493-2-2	122.15	-9.9999	54.68	1.2065	31.60	-9.9999	S
493-2-3	124.10	1.7000	54.66	1.2056	32.42	-9.9999	S
493-20-1	292.25	-9.9999	55.82	1.2635	32.60	-9.9999	S
493-20-3	295.00	-9.9999	55.48	1.2462	32.30	-9.9999	S
493-20-5	297.85	-9.9999	52.94	1.1249	30.10	-9.9999	S
493-20-7	300.36	1.8700	45.60	0.8382	24.40	-9.9999	S
493-21-2	303.04	-9.9999	46.41	0.8660	24.90	-9.9999	S
493-21-4	305.85	1.9000	47.60	0.9084	25.80	-9.9999	S
493-21-5	307.15	1.6600	51.40	1.0576	31.10	-9.9999	S
493-22-1	311.15	-9.9999	51.13	1.0462	28.60	-9.9999	S
493-22-3	314.05	-9.9999	51.13	1.0462	28.60	-9.9999	S
493-22-4	314.96	1.7600	49.50	0.9802	28.10	-9.9999	S
493-22-5	316.71	-9.9999	53.76	1.1626	30.80	-9.9999	S
493-23-CC	328.55	-9.9999	48.63	0.9467	26.60	-9.9999	S
493-24-1	330.12	-9.9999	48.11	0.9272	26.20	-9.9999	S
493-24-2	331.14	1.7400	49.50	0.9802	28.40	-9.9999	S
493-24-3	332.80	1.8000	45.88	0.8477	24.50	-9.9999	S
493-25-1	339.75	-9.9999	54.11	1.1791	31.10	-9.9999	S
493-25-3	342.85	1.8500	50.89	1.0362	28.40	-9.9999	S
493-25-4	344.03	1.7800	49.20	0.9685	27.70	-9.9999	S
493-25-5	345.75	-9.9999	52.22	1.0929	29.50	-9.9999	S
493-26-2	350.45	-9.9999	49.77	0.9908	27.50	-9.9999	S

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
493-27-1	358.75	-9.9999	53.17	1.1354	30.30	-9.9999	S
493-27-2	359.97	1.7900	47.90	0.9194	26.70	-9.9999	S
493-27-4	363.09	1.9500	43.13	0.7584	22.50	-9.9999	S
493-27-5	364.80	-9.9999	41.99	0.7238	21.70	-9.9999	S
493-28-1	368.45	-9.9999	41.99	0.7238	21.70	-9.9999	S
493-28-3	371.10	-9.9999	34.69	0.5312	16.90	-9.9999	S
493-28-4	372.35	1.9500	42.90	0.7513	21.98	-9.9999	S
493-28-5	374.50	-9.9999	39.05	0.6407	19.70	-9.9999	S
493-29-1	377.45	-9.9999	40.69	0.6861	20.80	-9.9999	S
493-29-2	378.35	1.8600	40.39	0.6776	20.60	-9.9999	S
493-29-3	380.00	1.8800	47.40	0.9011	25.20	-9.9999	S
493-29-5	382.80	-9.9999	42.28	0.7325	21.90	-9.9999	S
493-3-1	130.45	1.6600	53.92	1.1699	31.40	-9.9999	S
493-3-2	131.90	-9.9999	53.76	1.1626	30.80	-9.9999	S
493-30-1	386.66	-9.9999	41.27	0.7027	21.20	-9.9999	S
493-30-3	389.40	1.9300	44.30	0.7953	22.90	-9.9999	S
493-30-4	391.00	-9.9999	39.20	0.6447	19.80	-9.9999	S
493-30-5	393.00	-9.9999	42.99	0.7541	22.40	-9.9999	S
493-30-6	394.05	-9.9999	43.27	0.7627	22.60	-9.9999	S
493-31-1	396.30	-9.9999	54.11	1.1791	31.10	-9.9999	S
493-31-2	397.30	1.9000	45.80	0.8450	34.20	-9.9999	S
493-31-3	398.85	-9.9999	43.41	0.7671	22.70	-9.9999	S
493-31-5	402.15	-9.9999	43.41	0.7671	22.70	-9.9999	S
493-31-6	403.45	-9.9999	45.61	0.8386	24.30	-9.9999	S
493-32-1	405.95	-9.9999	41.99	0.7238	21.70	-9.9999	S
493-32-2	406.55	1.9600	41.90	0.7212	21.30	-9.9999	S
493-32-3	409.25	1.9500	48.37	0.9369	26.40	-9.9999	S
493-33-1	415.25	1.7600	51.80	1.0747	29.40	-9.9999	S
493-33-2	416.10	-9.9999	44.79	0.8113	23.70	-9.9999	S
493-33-3	418.65	-9.9999	40.83	0.6900	20.90	-9.9999	S
493-33-6	420.05	-9.9999	38.75	0.6327	19.50	-9.9999	S
493-34-2	426.04	2.0100	39.50	0.6529	19.70	-9.9999	S
493-34-3	428.06	-9.9999	38.45	0.6247	19.30	-9.9999	S
493-34-4	429.00	-9.9999	39.20	0.6447	19.80	-9.9999	S
493-34-5	430.15	2.0000	38.90	0.6367	19.60	-9.9999	S
493-34-6	431.80	-9.9999	33.06	0.4939	15.90	-9.9999	S
493-35-1	434.95	2.0000	41.50	0.7094	20.80	-9.9999	S
493-35-2	446.45	-9.9999	34.53	0.5274	16.80	-9.9999	S
493-35-6	441.12	-9.9999	34.04	0.5161	16.50	-9.9999	S
493-36-1	444.50	-9.9999	37.07	0.5891	18.40	-9.9999	S
493-36-3	447.40	-9.9999	38.15	0.6168	19.10	-9.9999	S
493-36-4	448.70	2.0200	38.50	0.6260	19.10	-9.9999	S
493-37-1	453.50	-9.9999	37.53	0.6008	18.70	-9.9999	S
493-37-2	454.95	2.0600	38.40	0.6234	18.60	-9.9999	S

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
493-37-4	458.05	-9.9999	37.53	0.6008	18.70	-9.9999	S
493-38-1	462.62	-9.9999	32.23	0.4756	15.40	-9.9999	S
493-38-2	464.30	2.1000	33.50	0.5038	16.00	-9.9999	S
493-38-3	466.00	-9.9999	33.55	0.5049	16.20	-9.9999	S
493-39-1	472.58	-9.9999	37.38	0.5969	18.60	-9.9999	S
493-39-2	474.35	1.9800	40.20	0.6722	20.30	-9.9999	S
493-39-3	475.55	-9.9999	40.39	0.6776	20.60	-9.9999	S
493-4-2	140.80	-9.9999	53.17	1.1354	30.30	-9.9999	S
493-40-1	482.25	-9.9999	35.65	0.5540	17.50	-9.9999	S
493-40-2	482.80	-9.9999	34.04	0.5161	16.50	-9.9999	S
493-41-1	491.25	-9.9999	32.06	0.4719	15.30	-9.9999	S
493-41-2	492.93	2.0700	36.63	0.5780	17.95	-9.9999	S
493-42-1	501.43	-9.9999	39.95	0.6653	20.30	-9.9999	S
493-42-2	502.85	2.0200	41.10	0.6978	20.40	-9.9999	S
493-42-3	507.42	-9.9999	38.45	0.6247	19.30	-9.9999	S
493-42-4	505.40	-9.9999	40.83	0.6900	20.90	-9.9999	S
493-43-1	511.00	-9.9999	31.89	0.4682	15.20	-9.9999	S
493-43-3	514.00	-9.9999	33.72	0.5088	16.30	-9.9999	S
493-43-4	515.10	2.1400	32.50	0.4815	15.20	-9.9999	S
493-43-5	517.00	-9.9999	31.38	0.4573	14.90	-9.9999	S
493-44-1	520.45	-9.9999	34.69	0.5312	16.90	-9.9999	S
493-44-3	523.35	-9.9999	33.72	0.5088	16.30	-9.9999	S
493-45-1	529.55	-9.9999	38.90	0.6367	19.60	-9.9999	S
493-45-2	530.95	2.0200	39.60	0.6556	19.60	-9.9999	S
493-45-3	532.76	-9.9999	28.43	0.3972	13.20	-9.9999	S
493-46-2	540.70	-9.9999	31.21	0.4537	14.80	-9.9999	S
493-46-3	542.20	2.1500	32.90	0.4903	15.30	-9.9999	S
493-46-4	543.55	-9.9999	32.06	0.4719	15.30	-9.9999	S
493-46-6	545.65	-9.9999	32.06	0.4719	15.30	-9.9999	S
493-47-1	547.80	-9.9999	42.42	0.7367	22.00	-9.9999	S
493-47-3	551.10	2.1100	35.50	0.5504	16.80	-9.9999	S
493-47-5	553.90	-9.9999	35.33	0.5463	17.30	-9.9999	S
493-48-1	557.15	-9.9999	35.25	0.5444	17.20	-9.9999	S
493-48-3	560.14	2.0600	38.60	0.6287	18.70	-9.9999	S
493-49-1	566.60	-9.9999	35.25	0.5444	17.20	-9.9999	S
493-49-3	569.59	2.1400	31.90	0.4684	14.90	-9.9999	S
493-49-7	575.55	-9.9999	33.39	0.5013	16.10	-9.9999	S
493-5-1	149.31	-9.9999	56.82	1.3159	33.50	-9.9999	S
493-5-2	150.70	1.6900	55.00	1.2222	32.60	-9.9999	S
493-5-3	152.32	-9.9999	52.58	1.1088	29.80	-9.9999	S
493-5-4	153.91	-9.9999	53.53	1.1519	30.60	-9.9999	S
493-50-2	577.65	2.0500	32.30	0.4771	15.70	-9.9999	S
493-50-3	578.65	-9.9999	33.22	0.4975	16.00	-9.9999	S
493-6-2	160.80	-9.9999	55.25	1.2346	32.10	-9.9999	S

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
493-7-2	170.00	-9.9999	54.45	1.1954	31.40	-9.9999	S
493-8-3	180.56	-9.9999	56.04	1.2748	32.80	-9.9999	S
493-9-1	187.50	-9.9999	51.25	1.0513	28.70	-9.9999	S
493-9-3	189.90	1.6500	55.60	1.2523	33.70	-9.9999	S
493-9-5	192.70	-9.9999	51.01	1.0412	28.50	-9.9999	S
493B-1-4	17.01	1.6500	42.80	0.7483	-99.99	-9.9999	S
493B-10-1	98.35	1.7000	57.00	1.3256	33.50	-9.9999	S
493B-10-CC	106.55	-9.9999	51.62	1.0670	29.00	-9.9999	S
493B-11-1	118.00	-9.9999	56.15	1.2805	32.90	-9.9999	S
493B-11-2	118.90	1.7000	56.70	1.3095	33.40	-9.9999	S
493B-11-3	120.69	-9.9999	52.58	1.1088	29.80	-9.9999	S
493B-2-1	22.65	-9.9999	-99.99	-9.9999	43.80	-9.9999	S
493B-2-4	27.16	-9.9999	59.92	1.4950	36.40	-9.9999	S
493B-3-4	36.85	-9.9999	56.82	1.3159	33.50	-9.9999	S
493B-3-6	39.15	1.6000	62.50	1.6667	39.00	-9.9999	S
493B-3-7	40.06	-9.9999	60.33	1.5208	36.80	-9.9999	S
493B-4-4	46.45	-9.9999	53.99	1.1734	31.00	-9.9999	S
493B-4-5	47.80	-9.9999	59.92	1.4950	36.40	-9.9999	S
493B-5-1	51.15	1.5900	62.90	1.6954	39.50	-9.9999	S
493B-5-2	51.78	1.6900	59.08	1.4438	35.60	-9.9999	S
493B-5-3	53.45	-9.9999	56.93	1.3218	33.60	-9.9999	S
493B-6-2	62.15	1.6300	59.80	1.4876	36.60	-9.9999	S
493B-6-3	63.77	1.7400	56.31	1.2889	32.67	-9.9999	S
493B-6-4	64.45	1.7400	52.50	1.1053	30.13	-9.9999	S
493B-7-1	70.45	-9.9999	59.19	1.4504	35.70	-9.9999	S
493B-7-2	71.47	1.6700	56.99	1.3250	33.70	-9.9999	S
493B-8-1	79.45	-9.9999	57.69	1.3635	34.30	-9.9999	S
493B-8-2	80.21	1.6500	58.50	1.4096	35.90	-9.9999	S
493B-9-1	89.32	-9.9999	56.93	1.3218	33.60	-9.9999	S
494-1	4.50	1.4250	74.87	2.9793	49.58	-9.9999	CS
494-2	13.75	1.4143	76.60	3.2735	46.35	-9.9999	CS
494-3	23.25	1.4580	71.40	2.4965	47.34	-9.9999	CS
494-4	32.75	1.5000	-99.99	-9.9999	-99.99	-9.9999	CS
494A-1	42.25	1.4880	72.60	2.6496	48.41	-9.9999	CS
494A-10	127.75	-9.9999	62.10	1.6385	28.11	-9.9999	CS
494A-11	137.25	1.6500	60.30	1.5189	27.33	-9.9999	CS
494A-12	146.75	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
494A-17	194.25	1.7000	52.90	1.1231	24.21	-9.9999	CS
494A-18	203.75	1.7000	59.50	1.4691	26.85	-9.9999	CS
494A-19	213.25	1.4100	56.55	1.3015	24.27	-9.9999	CS
494A-2	51.75	-9.9999	60.30	1.5189	39.10	-9.9999	CS
494A-20	222.75	1.7700	-99.99	-9.9999	-99.99	-9.9999	CS
494A-25	270.25	-9.9999	-99.99	-9.9999	-99.99	-9.9999	CS
494A-27	289.25	-9.9999	56.90	1.3202	33.50	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
494A-5	80.25	1.6333	61.70	1.6110	37.25	-9.9999	CS
494A-8	108.75	1.6067	-99.99	-9.9999	-99.99	-9.9999	CS
494A-9	118.25	-9.9999	66.10	1.9499	30.02	-9.9999	CS
495-10	90.25	1.3900	84.00	5.2500	67.02	-9.9999	A
495-11	99.75	1.3500	83.40	5.0241	66.03	-9.9999	A
495-12	109.25	1.3500	76.50	3.2553	55.69	-9.9999	A
495-13	118.75	1.3500	82.10	4.5866	63.94	-9.9999	A
495-14	128.25	1.3500	83.00	4.8824	65.34	-9.9999	A
495-15	137.75	1.3500	84.10	5.2893	67.15	-9.9999	A
495-16	147.25	1.3600	84.30	5.3694	67.51	-9.9999	A
495-17	156.75	1.3400	82.90	4.8480	65.27	-9.9999	A
495-18	166.25	1.3500	85.90	6.0922	70.19	-9.9999	A
495-19	175.75	1.3500	83.20	4.9524	65.73	-9.9999	A
495-3	23.75	1.4500	77.17	3.3802	58.23	-9.9999	A
495-4	33.25	1.3700	79.40	3.8544	59.83	-9.9999	A
495-5	42.75	1.4233	76.23	3.2070	56.52	-9.9999	A
495-6	52.25	1.4400	78.30	3.6083	58.25	-9.9999	A
495-7	61.75	1.4000	84.10	5.2893	62.26	-9.9999	A
495-8	71.25	1.2700	82.00	4.5556	63.78	-9.9999	A
495-9	80.75	1.3320	81.40	4.3763	62.88	-9.9999	A
496-1	4.75	1.4300	77.40	3.4248	57.12	-9.9999	CS
496-12	109.25	1.4633	69.20	2.2468	46.45	-9.9999	CS
496-13	118.75	1.4100	71.10	2.4602	48.67	-9.9999	CS
496-14	128.25	1.5700	69.00	2.2258	46.29	-9.9999	CS
496-15	137.75	-9.9999	69.80	2.3113	47.17	-9.9999	CS
496-16	147.25	1.5200	69.80	2.3113	47.20	-9.9999	CS
496-17	156.75	1.4400	70.20	2.3557	47.62	-9.9999	CS
496-19	175.75	-9.9999	68.90	2.2154	46.29	-9.9999	CS
496-2	14.25	1.4000	73.70	2.8023	52.26	-9.9999	CS
496-20	185.25	1.4700	69.90	2.3223	47.29	-9.9999	CS
496-21	194.75	-9.9999	70.25	2.3613	50.71	-9.9999	CS
496-22	204.25	1.5300	69.20	2.2468	46.52	-9.9999	CS
496-23	213.75	-9.9999	66.30	1.9674	43.05	-9.9999	CS
496-24	223.25	1.4200	65.50	1.8986	42.33	-9.9999	CS
496-3	23.75	1.3850	73.17	2.7272	51.31	-9.9999	CS
496-6	52.25	1.3600	70.20	2.3557	47.62	-9.9999	CS
496-7	61.75	1.3150	71.80	2.5461	49.62	-9.9999	CS
496-8	71.25	1.4250	72.40	2.6232	50.50	-9.9999	CS
497-1	3.50	1.4400	78.60	3.6729	58.70	-9.9999	CS
497-10	87.75	1.4900	71.50	2.5088	49.11	-9.9999	CS
497-12	106.75	-9.9999	72.90	2.6900	50.86	-9.9999	CS
497-13	116.25	1.4300	70.90	2.4364	48.68	-9.9999	CS
497-14	125.75	1.4800	71.30	2.4843	48.90	-9.9999	CS
497-15	135.25	1.4833	69.10	2.2362	46.32	-9.9999	CS



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
497-16	144.75	1.5500	69.40	2.2680	46.85	-9.9999	CS
497-17	154.25	1.5500	70.50	2.3898	48.02	-9.9999	CS
497-2	11.75	1.4300	76.10	3.1841	55.36	-9.9999	CS
497-25	230.25	1.5100	-99.99	-9.9999	-99.99	-9.9999	CS
497-26	239.75	1.5300	-99.99	-9.9999	-99.99	-9.9999	CS
497-27	249.25	1.5600	65.10	1.8653	41.89	-9.9999	CS
497-28	258.75	1.5200	66.40	1.9762	43.98	-9.9999	CS
497-29	268.25	1.5800	-99.99	-9.9999	-99.99	-9.9999	CS
497-3	21.25	1.4250	75.20	3.0323	53.90	-9.9999	CS
497-30	277.75	1.6000	67.80	2.1056	45.65	-9.9999	CS
497-4	30.75	-9.9999	74.50	2.9216	53.05	-9.9999	CS
497-5	40.25	1.4600	72.20	2.5971	50.07	-9.9999	CS
497-6	49.75	-9.9999	73.10	2.7175	51.76	-9.9999	CS
497-7	59.25	1.5000	73.60	2.7879	45.98	-9.9999	CS
497-9	78.25	1.5000	71.50	2.5088	49.19	-9.9999	CS
498-1	1.50	-9.9999	78.30	3.6083	58.95	-9.9999	CS
498A-1	2.25	-9.9999	72.50	2.6364	51.17	-9.9999	CS
498A-10	85.25	-9.9999	47.80	0.9157	26.58	-9.9999	CS
498A-5	37.75	-9.9999	59.00	1.4390	38.73	-9.9999	CS
498A-7	56.75	-9.9999	56.80	1.3148	34.25	-9.9999	CS
498A-8	66.25	-9.9999	50.90	1.0367	29.08	-9.9999	CS
499-1	0.50	-9.9999	63.92	1.7716	41.14	-9.9999	CT
499-10	81.75	1.5200	67.22	2.0506	44.82	-9.9999	CT
499-11	91.25	1.5800	67.22	2.0506	44.88	-9.9999	CT
499-12	100.75	-9.9999	70.34	2.3715	48.44	-9.9999	CT
499-13	110.25	-9.9999	66.91	2.0221	44.55	-9.9999	CT
499-14	119.75	-9.9999	67.84	2.1095	45.53	-9.9999	CT
499-15	129.25	-9.9999	72.33	2.6140	50.64	-9.9999	CT
499-17	148.25	1.4750	73.69	2.8008	52.53	-9.9999	CT
499-18	157.75	1.4800	76.50	3.2553	56.26	-9.9999	CT
499-19	167.25	1.5000	72.30	2.6101	50.69	-9.9999	CT
499-2	5.75	1.2400	76.39	3.2355	56.15	-9.9999	CT
499-3	15.25	1.3500	74.62	2.9401	53.68	-9.9999	CT
499-5	34.25	1.5000	70.41	2.3795	48.58	-9.9999	CT
499-7	53.25	-9.9999	69.15	2.2415	47.10	-9.9999	CT
515B-18-1	256.70	1.5000	70.90	2.4364	-99.99	-9.9999	A
515B-19-3	271.50	1.4900	70.80	2.4247	-99.99	-9.9999	A
515B-20-6	284.80	1.5100	70.90	2.4364	-99.99	-9.9999	A
515B-21-6	294.30	1.6100	66.20	1.9586	-99.99	-9.9999	A
515B-22-1	294.90	1.5300	68.00	2.1250	-99.99	-9.9999	A
515B-23-6	313.30	1.5600	66.90	2.0211	-99.99	-9.9999	A
515B-25-6	331.90	1.5600	67.10	2.0395	-99.99	-9.9999	A
515B-26-2	336.20	1.5200	69.50	2.2787	-99.99	-9.9999	A
515B-27-5	350.50	1.4900	69.80	2.3113	-99.99	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
515B-28-4	358.30	1.5400	68.50	2.1746	-99.99	-9.9999	A
515B-29-5	369.80	1.5400	68.40	2.1646	-99.99	-9.9999	A
515B-30-6	379.20	1.5200	68.50	2.1746	-99.99	-9.9999	A
515B-31-2	382.60	1.5200	67.50	2.0769	-99.99	-9.9999	A
515B-32-5	395.80	1.5600	65.40	1.8902	-99.99	-9.9999	A
515B-33-2	400.60	1.5800	65.80	1.9240	-99.99	-9.9999	A
515B-34-3	412.30	1.6000	65.10	1.8653	-99.99	-9.9999	A
515B-34-6	416.00	1.6300	62.90	1.6954	-99.99	-9.9999	A
515B-35-4	422.80	1.6000	66.30	1.9674	-99.99	-9.9999	A
515B-35-6	426.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-36-3	431.40	1.5800	70.80	2.4247	-99.99	-9.9999	A
515B-37-6	444.90	1.5900	64.90	1.8490	-99.99	-9.9999	A
515B-38-1	446.60	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-38-6	455.30	1.5900	66.40	1.9762	-99.99	-9.9999	A
515B-39-6	464.40	1.6100	66.20	1.9586	-99.99	-9.9999	A
515B-40-1	466.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-40-5	471.90	1.5400	66.80	2.0120	-99.99	-9.9999	A
515B-41-6	483.30	1.5200	65.20	1.8736	-99.99	-9.9999	A
515B-43-6	502.60	1.5700	65.10	1.8653	-99.99	-9.9999	A
515B-44-1	503.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-44-3	507.80	1.5600	66.60	1.9940	-99.99	-9.9999	A
515B-45-3	516.80	1.8300	55.80	1.2624	-99.99	-9.9999	A
515B-46-3	528.50	1.8100	52.90	1.1231	-99.99	-9.9999	A
515B-47-4	537.50	1.8700	52.80	1.1186	-99.99	-9.9999	A
515B-48-1	541.70	2.0400	51.70	1.0704	-99.99	-9.9999	A
515B-48-4	546.70	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-49-4	555.90	1.9300	50.70	1.0284	-99.99	-9.9999	A
515B-50-3	564.20	1.9000	50.30	1.0121	-99.99	-9.9999	A
515B-51-1	570.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-51-4	574.50	1.9100	49.80	0.9920	-99.99	-9.9999	A
515B-52-1	579.50	1.8900	50.10	1.0040	-99.99	-9.9999	A
515B-53-1	589.10	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-53-6	597.70	1.8800	50.00	1.0000	-99.99	-9.9999	A
515B-54-1	599.60	1.8400	49.50	0.9802	-99.99	-9.9999	A
515B-55-4	612.60	1.9400	47.90	0.9194	-99.99	-9.9999	A
515B-55-CC	607.80	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-56-2	619.80	2.0300	41.00	0.6949	-99.99	-9.9999	A
515B-56-3	621.70	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-56-4	623.20	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-56-5	624.50	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-56-6	626.20	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
515B-57-1	628.10	2.0100	41.30	0.7036	-99.99	-9.9999	A
515B-57-3	630.90	1.9300	46.00	0.8519	-99.99	-9.9999	A
515B-57-5	634.20	1.8600	50.00	1.0000	-99.99	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
530A-10-6	218.10	1.6700	64.90	1.8490	39.90	-9.9999	A
530A-100-1	1054.40	2.1100	39.00	0.6393	19.00	-9.9999	A
530A-100-2	1055.44	2.0900	37.90	0.6103	18.60	-9.9999	A
530A-100-3	1056.34	2.1900	32.20	0.4749	15.10	-9.9999	A
530A-100-4	1057.86	2.1300	34.90	0.5361	16.20	-9.9999	A
530A-101-1	1062.22	2.0900	39.10	0.6420	19.20	-9.9999	A
530A-101-2	1063.83	2.1600	-99.99	-9.9999	-99.99	-9.9999	A
530A-101-3	1065.84	2.1400	33.80	0.5106	16.20	-9.9999	A
530A-101-5	1069.36	2.1500	35.70	0.5552	17.00	-9.9999	A
530A-102-1	1071.15	2.1900	32.80	0.4881	15.30	-9.9999	A
530A-102-2	1072.97	2.1600	34.60	0.5291	16.40	-9.9999	A
530A-102-4	1075.52	2.1800	32.40	0.4793	15.20	-9.9999	A
530A-102-5	1077.02	2.1900	32.70	0.4859	15.30	-9.9999	A
530A-103-1	1080.46	2.1600	34.60	0.5291	16.50	-9.9999	A
530A-103-2	1082.52	2.1900	32.30	0.4771	15.10	-9.9999	A
530A-103-3	1083.40	2.1900	31.70	0.4641	14.80	-9.9999	A
530A-103-4	1084.50	2.1600	33.10	0.4948	15.70	-9.9999	A
530A-104-2	1087.50	2.1200	35.80	0.5576	17.30	-9.9999	A
530A-104-3	1088.38	2.1600	31.90	0.4684	15.20	-9.9999	A
530A-104-5	1092.15	2.1300	34.90	0.5361	16.80	-9.9999	A
530A-105-1	1094.48	2.1500	33.30	0.4993	15.90	-9.9999	A
530A-105-3	1097.18	2.4400	-99.99	-9.9999	-99.99	-9.9999	A
530A-105-4	1099.65	2.3200	24.80	0.3298	10.90	-9.9999	A
530A-105-5	1101.15	2.2000	32.00	0.4706	14.90	-9.9999	A
530A-11-1	220.29	1.6900	61.50	1.5974	37.30	-9.9999	A
530A-11-6	228.38	1.8300	63.70	1.7548	35.60	-9.9999	A
530A-12-5	235.50	1.7000	62.90	1.6954	37.90	-9.9999	A
530A-13-2	241.85	1.7000	59.30	1.4570	35.80	-9.9999	A
530A-14-1	249.60	1.7000	62.70	1.6810	37.80	-9.9999	A
530A-14-2	250.46	1.8200	61.90	1.6247	34.80	-9.9999	A
530A-15-2	259.56	1.8000	57.10	1.3310	32.60	-9.9999	A
530A-16-1	268.27	1.7900	56.40	1.2936	32.30	-9.9999	A
530A-17-1	277.06	1.8800	62.30	1.6525	34.00	-9.9999	A
530A-18-3	290.96	1.8200	53.80	1.1645	30.20	-9.9999	A
530A-18-5	293.52	1.8000	55.30	1.2371	31.50	-9.9999	A
530A-19-1	297.40	1.7400	57.10	1.3310	33.50	-9.9999	A
530A-19-4	301.97	1.7700	54.80	1.2124	31.80	-9.9999	A
530A-19-6	304.84	1.7500	58.00	1.3810	33.90	-9.9999	A
530A-20-1	306.93	1.7800	56.70	1.3095	32.60	-9.9999	A
530A-20-3	309.93	1.7600	57.40	1.3474	33.40	-9.9999	A
530A-20-5	312.87	1.7400	58.20	1.3923	34.20	-9.9999	A
530A-21-1	316.45	1.7600	56.50	1.2989	32.90	-9.9999	A
530A-21-3	319.32	1.7700	55.60	1.2523	32.20	-9.9999	A
530A-21-5	322.49	1.7900	56.00	1.2727	32.10	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
530A-22-2	327.30	1.7000	59.50	1.4691	35.90	-9.9999	A
530A-22-4	329.90	1.7600	57.80	1.3697	33.70	-9.9999	A
530A-22-6	332.11	1.8000	57.50	1.3529	32.80	-9.9999	A
530A-24-2	345.60	1.7200	58.70	1.4213	34.90	-9.9999	A
530A-24-3	347.95	1.7700	57.50	1.3529	33.30	-9.9999	A
530A-25-3	356.75	1.6500	64.40	1.8090	39.90	-9.9999	A
530A-25-7	362.58	1.7300	59.90	1.4938	35.50	-9.9999	A
530A-26-3	366.55	1.7100	58.40	1.4038	35.00	-9.9999	A
530A-26-4	367.12	1.6600	60.90	1.5575	37.50	-9.9999	A
530A-26-5	369.56	1.7500	58.80	1.4272	34.40	-9.9999	A
530A-27-4	377.88	1.7700	55.30	1.2371	32.00	-9.9999	A
530A-27-5	379.38	1.8300	55.70	1.2573	31.20	-9.9999	A
530A-27-6	380.88	1.6900	61.50	1.5974	37.30	-9.9999	A
530A-28-6	390.07	1.8000	59.80	1.4876	34.10	-9.9999	A
530A-29-2	393.25	1.8400	54.10	1.1786	30.10	-9.9999	A
530A-29-4	396.25	1.8100	56.70	1.3095	32.10	-9.9999	A
530A-29-6	399.24	1.7600	61.20	1.5773	35.60	-9.9999	A
530A-30-2	402.38	1.8300	56.40	1.2936	31.60	-9.9999	A
530A-30-3	403.88	1.7800	57.80	1.3697	33.30	-9.9999	A
530A-30-5	406.88	1.7400	58.20	1.3923	34.30	-9.9999	A
530A-31-3	413.18	1.6500	65.40	1.8902	40.70	-9.9999	A
530A-31-5	416.18	1.7000	61.20	1.5773	36.90	-9.9999	A
530A-31-6	417.81	1.7000	58.50	1.4096	35.30	-9.9999	A
530A-32-1	420.25	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
530A-32-2	421.75	1.7100	58.50	1.4096	35.10	-9.9999	A
530A-32-3	423.25	1.6300	62.40	1.6596	39.20	-9.9999	A
530A-33-2	430.55	1.7800	59.40	1.4631	34.30	-9.9999	A
530A-33-3	432.05	1.6700	59.60	1.4752	36.70	-9.9999	A
530A-33-4	433.55	1.8300	51.60	1.0661	28.90	-9.9999	A
530A-34-3	442.20	1.7400	59.80	1.4876	35.20	-9.9999	A
530A-34-5	445.55	1.8500	-99.99	-9.9999	-99.99	-9.9999	A
530A-34-7	448.10	1.8600	52.70	1.1142	29.10	-9.9999	A
530A-35-2	449.57	1.8700	54.30	1.1882	29.80	-9.9999	A
530A-35-4	453.13	1.8900	52.40	1.1008	28.50	-9.9999	A
530A-35-5	454.32	1.8600	54.70	1.2075	30.10	-9.9999	A
530A-36-1	458.11	1.8200	56.20	1.2831	31.60	-9.9999	A
530A-37-2	469.76	1.7700	60.00	1.5000	34.80	-9.9999	A
530A-38-1	476.94	1.6300	67.00	2.0303	42.00	-9.9999	A
530A-39-1	486.39	1.7400	56.75	1.3121	33.40	-9.9999	A
530A-4-5	160.35	1.6400	64.70	1.8329	40.40	-9.9999	A
530A-40-1	496.44	1.7500	59.10	1.4450	34.60	-9.9999	A
530A-41-1	506.05	1.6600	64.70	1.8329	40.00	-9.9999	A
530A-41-3	508.39	2.0700	39.10	0.6420	19.40	-9.9999	A
530A-42-2	516.03	1.9900	45.60	0.8382	23.50	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
530A-42-CC	517.92	1.7900	57.10	1.3310	32.70	-9.9999	A
530A-43-1	524.72	1.8800	51.40	1.0576	28.25	-9.9999	A
530A-44-1	534.33	1.8700	50.45	1.0182	27.65	-9.9999	A
530A-45-1	543.20	1.8300	55.50	1.2472	31.10	-9.9999	A
530A-46-1	552.68	1.8200	54.80	1.2124	30.90	-9.9999	A
530A-47-1	563.23	2.0300	43.30	0.7637	21.90	-9.9999	A
530A-47-2	563.68	1.8800	52.50	1.1053	28.70	-9.9999	A
530A-48-1	572.36	1.9450	47.75	0.9139	25.20	-9.9999	A
530A-49-1	581.24	1.9500	46.90	0.8832	24.70	-9.9999	A
530A-51-1	601.34	1.9100	48.60	0.9455	26.10	-9.9999	A
530A-51-4	605.84	2.0800	36.50	0.5748	17.90	-9.9999	A
530A-52-1	610.15	1.9100	46.50	0.8692	25.00	-9.9999	A
530A-53-1	619.16	1.9800	35.60	0.5528	18.40	-9.9999	A
530A-53-2	620.87	1.8800	47.70	0.9120	26.00	-9.9999	A
530A-54-1	629.45	2.0700	36.90	0.5848	18.30	-9.9999	A
530A-55-2	640.40	2.0500	39.30	0.6474	19.70	-9.9999	A
530A-55-4	643.26	1.9800	44.50	0.8018	23.10	-9.9999	A
530A-56-1	648.26	2.0400	41.40	0.7065	20.90	-9.9999	A
530A-56-2	649.96	2.0200	36.60	0.5773	18.50	-9.9999	A
530A-57-1	657.39	1.9500	46.20	0.8587	24.30	-9.9999	A
530A-58-1	667.60	2.0300	40.90	0.6920	20.60	-9.9999	A
530A-59-2	677.93	1.8900	46.00	0.8519	24.90	-9.9999	A
530A-60-1	685.85	2.0850	37.30	0.5949	18.40	-9.9999	A
530A-61-1	695.22	2.1200	36.80	0.5823	17.80	-9.9999	A
530A-61-2	697.94	1.9700	46.00	0.8519	24.00	-9.9999	A
530A-61-3	698.43	2.0200	42.60	0.7422	21.60	-9.9999	A
530A-62-1	705.00	2.1800	32.80	0.4881	15.50	-9.9999	A
530A-63-2	715.81	2.1000	37.80	0.6077	18.50	-9.9999	A
530A-63-3	717.73	1.9700	45.30	0.8282	23.50	-9.9999	A
530A-64-1	724.02	2.0300	41.50	0.7094	20.90	-9.9999	A
530A-67-2	754.06	2.0900	38.20	0.6181	18.70	-9.9999	A
530A-67-3	756.07	2.0300	42.40	0.7361	21.40	-9.9999	A
530A-68-1	761.92	2.0150	43.70	0.7762	21.45	-9.9999	A
530A-69-2	773.51	2.0400	40.00	0.6667	19.90	-9.9999	A
530A-69-3	774.27	2.1400	34.90	0.5361	16.90	-9.9999	A
530A-7-6	189.96	1.7000	62.50	1.6667	37.70	-9.9999	A
530A-70-1	781.73	2.0100	39.30	0.6474	20.10	-9.9999	A
530A-70-3	784.91	2.1900	30.30	0.4347	14.20	-9.9999	A
530A-71-2	792.36	1.9900	40.20	0.6722	20.80	-9.9999	A
530A-72-2	801.16	2.1800	31.60	0.4620	14.90	-9.9999	A
530A-75-1	828.10	1.9900	45.00	0.8182	23.20	-9.9999	A
530A-75-3	831.77	2.0100	46.20	0.8587	23.60	-9.9999	A
530A-76-2	840.10	2.0500	41.60	0.7123	20.50	-9.9999	A
530A-76-4	842.55	1.9700	48.20	0.9305	25.00	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
530A-77-1	847.08	2.0900	40.10	0.6694	19.70	-9.9999	A
530A-77-2	849.02	2.0500	43.50	0.7699	21.80	-9.9999	A
530A-78-2	858.75	2.0600	45.50	0.8349	22.60	-9.9999	A
530A-78-3	860.24	2.0300	47.40	0.9011	24.10	-9.9999	A
530A-78-4	862.47	2.1000	40.20	0.6722	19.70	-9.9999	A
530A-79-1	867.39	1.8000	32.70	0.4859	18.60	-9.9999	A
530A-79-5	872.98	1.9600	48.30	0.9342	25.20	-9.9999	A
530A-8-5	197.72	1.5200	-99.99	-9.9999	43.60	-9.9999	A
530A-80-1	876.78	2.1400	36.40	0.5723	17.40	-9.9999	A
530A-81-1	886.34	2.2000	35.30	0.5456	16.40	-9.9999	A
530A-81-2	886.69	2.1400	38.10	0.6155	18.20	-9.9999	A
530A-82-2	896.75	2.2200	31.00	0.4493	14.30	-9.9999	A
530A-82-3	898.71	2.1800	40.90	0.6920	19.30	-9.9999	A
530A-83-1	904.48	2.1200	36.60	0.5773	17.70	-9.9999	A
530A-83-3	907.24	2.1200	37.00	0.5873	17.90	-9.9999	A
530A-84-1	913.73	2.1250	37.15	0.5911	18.00	-9.9999	A
530A-85-1	922.03	2.3500	26.20	0.3550	11.40	-9.9999	A
530A-85-2	923.64	2.2300	30.00	0.4286	13.80	-9.9999	A
530A-86-1	932.38	2.2400	36.20	0.5674	17.20	-9.9999	A
530A-86-2	932.94	2.1900	32.40	0.4793	15.10	-9.9999	A
530A-86-4	936.96	2.2000	34.20	0.5198	16.00	-9.9999	A
530A-87-1	941.12	2.1100	37.95	0.6116	18.50	-9.9999	A
530A-87-2	942.68	2.0400	43.80	0.7794	21.90	-9.9999	A
530A-88-1	949.44	2.3600	29.45	0.4174	13.75	-9.9999	A
530A-88-CC	953.48	2.2400	33.90	0.5129	15.50	-9.9999	A
530A-89-1	958.78	2.1200	37.40	0.5974	18.10	-9.9999	A
530A-89-2	960.55	2.0600	43.20	0.7606	21.50	-9.9999	A
530A-89-3	962.30	2.1300	37.20	0.5924	17.90	-9.9999	A
530A-89-4	963.00	2.0800	42.10	0.7271	20.70	-9.9999	A
530A-90-1	967.45	2.2700	32.00	0.4706	14.50	-9.9999	A
530A-90-3	970.30	2.0100	43.80	0.7794	22.30	-9.9999	A
530A-91-1	977.46	2.0300	43.60	0.7730	22.00	-9.9999	A
530A-91-2	978.44	2.1300	37.00	0.5873	17.80	-9.9999	A
530A-91-3	979.98	2.3500	28.30	0.3947	12.30	-9.9999	A
530A-93-1	991.33	2.2100	11.00	0.1236	5.10	-9.9999	A
530A-93-2	992.22	2.2300	31.70	0.4641	14.60	-9.9999	A
530A-93-3	993.60	2.1600	36.90	0.5848	17.50	-9.9999	A
530A-93-5	996.03	2.0400	41.60	0.7123	20.90	-9.9999	A
530A-94-1	999.21	2.1950	37.45	0.5987	17.85	-9.9999	A
530A-94-2	1001.90	2.0700	42.50	0.7391	21.10	-9.9999	A
530A-95-1	1009.02	2.1100	39.80	0.6611	19.30	-9.9999	A
530A-95-2	1010.88	2.2000	35.80	0.5576	16.70	-9.9999	A
530A-95-3	1012.12	2.2200	31.70	0.4641	14.70	-9.9999	A
530A-96-1	1017.73	2.0500	41.60	0.7123	20.80	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
530A-96-2	1019.37	2.1350	36.55	0.5760	17.65	-9.9999	A
530A-97-1	1026.26	2.6200	8.60	0.0941	3.40	-9.9999	A
530A-97-3	1029.05	2.0500	40.80	0.6892	20.40	-9.9999	A
530A-98-1	1035.18	2.0700	40.60	0.6835	20.10	-9.9999	A
530A-98-2	1036.70	2.0800	40.20	0.6722	18.80	-9.9999	A
530A-98-3	1038.10	2.0900	39.10	0.6420	19.20	-9.9999	A
530A-99-1	1045.38	2.0700	39.50	0.6529	19.60	-9.9999	A
530A-99-4	1049.85	2.0800	38.70	0.6313	19.10	-9.9999	A
530B-3-2	10.93	1.2200	86.00	6.1429	72.10	-9.9999	A
530B-33-1	118.95	1.5800	72.50	2.6364	47.10	-9.9999	A
530B-46-2	172.40	1.6500	70.60	2.4014	43.80	-9.9999	A
530B-7-3	27.23	1.4400	74.60	2.9370	53.10	-9.9999	A
530B-9-2	35.03	1.6000	-99.99	-9.9999	-99.99	-9.9999	A
532A-31-1	131.90	1.5867	-99.99	-9.9999	41.93	-9.9999	M
532A-31-2	132.71	1.5900	65.15	1.8694	41.18	-9.9999	M
532A-33-2	142.40	1.6000	63.70	1.7548	40.48	-9.9999	M
532A-33-3	143.02	1.6200	63.40	1.7200	39.76	-9.9999	M
532A-47-1	195.88	1.6900	59.50	1.4691	35.69	-9.9999	M
532A-47-2	197.44	1.6033	65.60	1.9070	40.76	-9.9999	M
532A-47-3	198.43	1.7350	57.95	1.3781	34.43	-9.9999	M
533-1-1	1.00	1.4800	-99.99	-9.9999	-99.99	-9.9999	PR
533-1-2	2.30	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
533-13-2	46.50	1.7800	-99.99	-9.9999	-99.99	-9.9999	PR
533-16-2	57.00	1.8200	-99.99	-9.9999	-99.99	-9.9999	PR
533-17-2	61.80	1.7500	-99.99	-9.9999	-99.99	-9.9999	PR
533-18-3	67.00	1.6900	-99.99	-9.9999	-99.99	-9.9999	PR
533-19-2	71.20	1.6900	-99.99	-9.9999	-99.99	-9.9999	PR
533-2-2	4.60	1.4700	-99.99	-9.9999	-99.99	-9.9999	PR
533-20-2	75.50	1.6600	-99.99	-9.9999	-99.99	-9.9999	PR
533-21-2	80.00	1.6400	-99.99	-9.9999	-99.99	-9.9999	PR
533-24-2	93.60	1.6400	-99.99	-9.9999	-99.99	-9.9999	PR
533-25-2	98.30	1.6600	-99.99	-9.9999	-99.99	-9.9999	PR
533-27-3	108.30	1.7200	-99.99	-9.9999	-99.99	-9.9999	PR
533-28-3	112.80	1.8000	-99.99	-9.9999	-99.99	-9.9999	PR
533-30-2	120.60	1.7100	-99.99	-9.9999	-99.99	-9.9999	PR
533-32-2	129.40	1.7100	-99.99	-9.9999	-99.99	1.5970	PR
533-35-2	143.00	1.7800	-99.99	-9.9999	-99.99	-9.9999	PR
533-37-2	148.80	1.7200	57.90	1.3753	33.70	-9.9999	PR
533-38-3	153.10	1.6700	60.20	1.5126	36.00	1.3646	PR
533-39-3	156.00	1.6700	59.50	1.4691	35.70	1.3102	PR
533-6-1	12.70	1.6200	-99.99	-9.9999	-99.99	-9.9999	PR
533-6-3	14.67	1.7300	-99.99	-9.9999	-99.99	1.3605	PR
533-7-2	18.40	1.8100	-99.99	-9.9999	-99.99	-9.9999	PR
533-8-2	23.00	1.6800	-99.99	-9.9999	-99.99	-9.9999	PR



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
533A-13-5	245.70	1.6600	-99.99	-9.9999	-99.99	-9.9999	PR
533A-15-2	258.70	1.7000	-99.99	-9.9999	-99.99	-9.9999	PR
533A-16-5	272.50	1.6600	-99.99	-9.9999	-99.99	-9.9999	PR
533A-17-5	282.60	1.6400	-99.99	-9.9999	-99.99	-9.9999	PR
533A-18-5	291.60	1.7400	-99.99	-9.9999	-99.99	1.2966	PR
533A-19-2	296.40	1.6900	-99.99	-9.9999	-99.99	-9.9999	PR
533A-20-3	307.60	1.7700	-99.99	-9.9999	-99.99	-9.9999	PR
533A-21-4	319.00	1.7000	-99.99	-9.9999	-99.99	-9.9999	PR
533A-22-4	328.50	1.6900	58.30	1.3981	34.50	-9.9999	PR
533A-22-5	330.80	1.8000	-99.99	-9.9999	-99.99	-9.9999	PR
533A-23-4	337.70	1.7800	-99.99	-9.9999	-99.99	-9.9999	PR
533A-24-6	350.70	1.7200	57.90	1.3753	33.50	-9.9999	PR
533A-25-3	354.70	1.7500	-99.99	-9.9999	-99.99	-9.9999	PR
533A-26-3	365.20	1.7700	-99.99	-9.9999	-99.99	-9.9999	PR
533A-26-4	366.38	-9.9999	-99.99	-9.9999	-99.99	1.4672	PR
533A-27-2	372.40	1.7200	-99.99	-9.9999	-99.99	-9.9999	PR
533A-28-2	382.10	1.7400	57.80	1.3697	33.20	-9.9999	PR
533A-29-4	395.70	1.8100	-99.99	-9.9999	-99.99	-9.9999	PR
533A-8-2	192.10	1.6400	-99.99	-9.9999	-99.99	-9.9999	PR
534A-10-2	614.50	1.7200	54.60	1.2026	31.80	-9.9999	PR
534A-101-3	1413.50	2.2600	30.10	0.4306	13.30	-9.9999	PR
534A-102-5	1425.50	2.2900	27.90	0.3870	12.20	-9.9999	PR
534A-103-1	1428.80	2.2200	32.50	0.4815	14.60	-9.9999	PR
534A-104-4	1441.50	2.4100	20.60	0.2594	8.60	-9.9999	PR
534A-107-2	1466.40	2.3300	26.40	0.3587	11.30	-9.9999	PR
534A-108-1	1469.10	2.4400	17.90	0.2180	7.30	-9.9999	PR
534A-11-1	623.20	1.7300	53.70	1.1598	31.00	-9.9999	PR
534A-110-CC	1486.60	2.4300	22.00	0.2821	9.10	-9.9999	PR
534A-111-1	1495.60	2.3700	24.50	0.3245	10.30	-9.9999	PR
534A-112-1	1504.60	2.2800	27.40	0.3774	12.00	-9.9999	PR
534A-113-1	1513.90	2.5600	10.30	0.1148	4.00	-9.9999	PR
534A-114-1	1523.00	2.3600	24.90	0.3316	10.60	-9.9999	PR
534A-115-1	1532.40	2.3600	24.00	0.3158	10.20	-9.9999	PR
534A-119-1	1568.60	2.3100	25.30	0.3387	10.90	-9.9999	PR
534A-12-2	634.50	1.7200	54.00	1.1739	31.30	-9.9999	PR
534A-123-2	1596.10	2.5300	11.20	0.1261	4.40	-9.9999	PR
534A-123-4	1598.50	2.4900	13.60	0.1574	5.50	-9.9999	PR
534A-124-1	1603.80	2.5400	10.50	0.1173	4.10	-9.9999	PR
534A-125-1	1612.60	2.3600	22.30	0.2870	9.50	-9.9999	PR
534A-125-3	1616.70	2.5400	11.80	0.1338	4.60	-9.9999	PR
534A-125-5	1619.20	2.3000	25.40	0.3405	11.00	-9.9999	PR
534A-126-2	1623.20	2.2800	25.40	0.3405	11.20	-9.9999	PR
534A-126-3	1625.30	2.4200	20.70	0.2610	8.60	-9.9999	PR
534A-127-1	1633.10	2.4050	22.15	0.2845	9.20	-9.9999	PR



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
534A-14-1	651.30	1.7100	55.20	1.2321	32.20	-9.9999	PR
534A-19-1	697.90	1.9600	39.90	0.6639	20.40	-9.9999	PR
534A-2-1	546.80	1.5900	60.30	1.5189	37.90	-9.9999	PR
534A-20-1	705.60	2.1000	26.60	0.3624	12.60	-9.9999	PR
534A-20-2	707.50	1.7100	52.30	1.0964	30.50	-9.9999	PR
534A-24-1	741.60	2.0300	42.60	0.7422	21.00	-9.9999	PR
534A-24-2	743.10	2.0300	44.80	0.8116	22.10	-9.9999	PR
534A-25-1	750.80	2.0500	43.40	0.7668	21.10	-9.9999	PR
534A-26-CC	760.50	2.0300	42.80	0.7483	21.10	-9.9999	PR
534A-27-1	764.90	2.0200	43.90	0.7825	21.70	-9.9999	PR
534A-28-1	743.10	1.9400	47.40	0.9011	24.50	-9.9999	PR
534A-29-2	785.60	1.9300	48.60	0.9455	25.20	-9.9999	PR
534A-3-2	558.10	1.6100	59.30	1.4570	36.80	-9.9999	PR
534A-30-1	793.60	1.8500	53.50	1.1505	28.90	-9.9999	PR
534A-31-CC	803.80	1.8600	51.90	1.0790	27.80	-9.9999	PR
534A-32-1	812.30	1.9700	45.60	0.8382	23.10	-9.9999	PR
534A-33-1	822.00	1.9550	46.50	0.8692	23.90	-9.9999	PR
534A-34-1	831.50	2.0000	42.00	0.7241	20.90	-9.9999	PR
534A-34-2	832.80	2.1800	33.60	0.5060	15.40	-9.9999	PR
534A-35-1	840.80	1.9700	45.30	0.8282	23.10	-9.9999	PR
534A-35-2	843.30	2.0600	43.20	0.7606	21.00	-9.9999	PR
534A-36-1	850.60	2.1867	39.50	0.6529	18.33	-9.9999	PR
534A-37-1	859.50	2.1200	40.30	0.6750	19.10	-9.9999	PR
534A-38-1	870.00	2.0800	40.70	0.6863	19.70	-9.9999	PR
534A-38-2	871.40	2.0700	41.40	0.7065	20.00	-9.9999	PR
534A-39-2	880.60	1.8200	49.20	0.9685	27.00	-9.9999	PR
534A-4-3	569.10	1.6700	56.60	1.3041	33.90	-9.9999	PR
534A-41-1	896.70	2.0700	42.70	0.7452	20.65	-9.9999	PR
534A-41-3	899.50	2.0700	41.20	0.7007	19.90	-9.9999	PR
534A-42-1	905.70	2.0700	40.80	0.6892	19.70	-9.9999	PR
534A-43-1	914.10	1.9200	44.10	0.7889	22.90	-9.9999	PR
534A-44-1	923.60	2.0000	40.00	0.6667	20.00	-9.9999	PR
534A-45-1	932.20	2.0300	42.40	0.7361	20.80	-9.9999	PR
534A-47-1	950.20	2.0300	39.40	0.6502	19.40	-9.9999	PR
534A-49-3	967.60	2.1000	37.90	0.6103	18.10	-9.9999	PR
534A-5-2	576.70	1.7100	55.30	1.2371	32.40	-9.9999	PR
534A-50-1	972.90	2.0600	41.50	0.7094	20.10	-9.9999	PR
534A-51-1	982.80	2.1100	36.70	0.5798	17.40	-9.9999	PR
534A-53-4	1004.20	2.1300	35.90	0.5601	16.90	-9.9999	PR
534A-55-2	1020.40	2.0800	41.10	0.6978	19.70	-9.9999	PR
534A-56-2	1028.80	2.0300	42.70	0.7452	21.00	-9.9999	PR
534A-58-1	1045.50	2.1600	35.20	0.5432	16.30	-9.9999	PR
534A-59-3	1057.50	-9.9999	-99.99	-9.9999	-99.99	0.8958	PR
534A-61-1	1072.80	2.1500	35.70	0.5552	16.70	-9.9999	PR

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
534A-65-1	1108.90	2.1700	34.70	0.5314	16.00	-9.9999	PR
534A-66-1	1117.60	2.1600	36.30	0.5699	16.90	-9.9999	PR
534A-67-3	1129.60	2.1700	36.00	0.5625	16.60	-9.9999	PR
534A-69-5	1145.20	2.2100	33.00	0.4925	14.90	-9.9999	PR
534A-7-2	596.30	1.7000	54.00	1.1739	31.70	-9.9999	PR
534A-71-5	1163.90	2.2000	32.20	0.4749	14.60	-9.9999	PR
534A-73-1	1173.90	2.1900	32.10	0.4728	14.60	-9.9999	PR
534A-76-4	1207.40	2.1100	38.20	0.6181	18.10	-9.9999	PR
534A-83-5	1267.40	2.3800	22.00	0.2821	9.20	-9.9999	PR
534A-92-6	1347.70	2.4500	16.70	0.2005	6.80	-9.9999	PR
534A-93-4	1353.60	2.4100	20.20	0.2531	8.40	-9.9999	PR
534A-94-2	1355.10	2.4100	20.80	0.2626	8.60	-9.9999	PR
534A-95-2	1365.40	2.2700	29.60	0.4205	13.10	-9.9999	PR
534A-96-2	1374.40	2.2200	34.40	0.5244	-99.99	-9.9999	PR
534A-99-1	1396.10	2.2900	27.30	0.3755	11.90	-9.9999	PR
535-1-1	1.00	1.4100	74.00	2.8462	52.00	-9.9999	PR
535-1-2	2.40	1.4400	73.00	2.7037	51.00	-9.9999	PR
535-10-1	80.00	1.7500	56.00	1.2727	32.00	-9.9999	PR
535-10-2	81.00	1.7200	58.00	1.3810	34.00	-9.9999	PR
535-10-3	83.00	1.7300	55.00	1.2222	32.00	1.2684	PR
535-11-1	89.00	1.7200	58.00	1.3810	34.00	-9.9999	PR
535-11-2	91.00	1.7500	57.00	1.3256	33.00	-9.9999	PR
535-11-3	92.00	1.6900	59.00	1.4390	35.00	-9.9999	PR
535-11-4	94.00	1.6800	60.00	1.5000	36.00	-9.9999	PR
535-11-6	95.00	1.6500	63.00	1.7027	38.00	-9.9999	PR
535-11-7	97.00	1.7800	55.00	1.2222	31.00	-9.9999	PR
535-12-3	102.00	1.7500	57.00	1.3256	33.00	-9.9999	PR
535-12-4	103.00	1.7900	54.00	1.1739	30.00	-9.9999	PR
535-13-2	110.00	1.8500	50.00	1.0000	27.00	-9.9999	PR
535-13-4	113.00	1.8500	50.00	1.0000	27.00	-9.9999	PR
535-14-1	118.00	1.6900	60.00	1.5000	35.00	-9.9999	PR
535-14-3	121.00	1.8100	54.00	1.1739	30.00	-9.9999	PR
535-15-3	130.00	1.7900	52.00	1.0833	29.00	-9.9999	PR
535-16-1	136.00	1.8500	51.00	1.0408	27.00	-9.9999	PR
535-17-2	147.00	1.8700	49.00	0.9608	24.00	-9.9999	PR
535-2-1	9.60	1.5800	66.80	2.0120	42.30	-9.9999	PR
535-2-2	5.00	1.5700	67.00	2.0303	43.00	-9.9999	PR
535-2-3	6.50	1.6100	65.00	1.8571	41.00	-9.9999	PR
535-2-4	13.90	1.6100	65.30	1.8818	40.60	-9.9999	PR
535-26-3	240.00	1.7100	55.30	1.2371	32.30	-9.9999	PR
535-27-3	249.80	1.7800	56.60	1.3041	31.90	-9.9999	PR
535-28-1	256.10	1.8200	54.40	1.1930	29.90	-9.9999	PR
535-29-1	265.70	1.8700	51.20	1.0492	27.40	-9.9999	PR
535-3-2	20.40	1.6500	62.90	1.6954	38.00	-9.9999	PR

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
535-3-3	16.00	1.3600	79.00	3.7619	58.00	-9.9999	PR
535-3-4	17.50	1.8900	49.00	0.9608	26.00	-9.9999	PR
535-31-1	284.70	1.8800	49.90	0.9960	26.60	-9.9999	PR
535-32-1	293.70	1.8600	51.60	1.0661	27.70	-9.9999	PR
535-34-3	315.80	1.9400	46.30	0.8622	23.80	-9.9999	PR
535-36-2	333.60	1.9600	45.00	0.8182	23.00	-9.9999	PR
535-38-1	350.70	1.9700	44.70	0.8083	22.70	-9.9999	PR
535-39-1	360.50	1.9300	45.80	0.8450	23.80	-9.9999	PR
535-4-1	28.70	1.7200	59.40	1.4631	34.60	-9.9999	PR
535-4-2	24.00	1.6100	65.00	1.8571	40.00	-9.9999	PR
535-4-3	25.30	1.7000	59.00	1.4390	35.00	-9.9999	PR
535-40-2	372.00	1.9700	42.20	0.7301	21.40	-9.9999	PR
535-41-2	381.00	2.0900	35.80	0.5576	17.10	-9.9999	PR
535-42-3	391.80	2.0400	36.70	0.5798	18.00	-9.9999	PR
535-43-2	399.90	2.1300	32.50	0.4815	15.20	-9.9999	PR
535-44-1	408.10	2.1400	33.40	0.5015	15.60	-9.9999	PR
535-45-3	420.70	2.1800	30.10	0.4306	13.80	-9.9999	PR
535-46-2	428.80	2.1600	32.90	0.4903	15.20	-9.9999	PR
535-47-1	436.90	2.1900	30.20	0.4327	13.80	-9.9999	PR
535-48-2	447.40	2.1600	32.70	0.4859	15.10	-9.9999	PR
535-49-2	456.60	2.2500	27.10	0.3717	12.10	-9.9999	PR
535-5-1	38.00	1.7700	56.50	1.2989	31.90	-9.9999	PR
535-5-3	35.00	1.6400	61.00	1.5641	37.00	1.1553	PR
535-50-1	465.10	2.1900	30.40	0.4368	13.90	-9.9999	PR
535-51-3	477.30	2.1800	31.50	0.4599	14.40	-9.9999	PR
535-52-2	485.90	2.2000	28.80	0.4045	13.10	-9.9999	PR
535-53-3	496.20	2.2500	26.50	0.3605	11.80	-9.9999	PR
535-54-2	504.30	2.1700	32.10	0.4728	14.80	-9.9999	PR
535-55-2	514.40	2.2600	26.30	0.3569	11.60	-9.9999	PR
535-6-1	46.60	-9.9999	-99.99	-9.9999	-99.99	-9.9999	PR
535-6-5	47.60	1.6300	63.00	1.7027	39.00	-9.9999	PR
535-6-6	49.00	1.6600	62.00	1.6316	38.00	0.9963	PR
535-7-1	56.70	1.7100	59.70	1.4814	34.90	-9.9999	PR
535-7-3	54.00	1.8200	52.00	1.0833	29.00	-9.9999	PR
535-7-6	58.70	-9.9999	-99.99	-9.9999	-99.99	1.1344	PR
535-8-2	61.80	1.6900	59.00	1.4390	35.00	1.2977	PR
535-8-3	69.70	1.7900	55.10	1.2272	30.80	-9.9999	PR
535-8-5	66.30	1.5900	62.00	1.6316	39.00	-9.9999	PR
535-9-1	70.00	1.7800	55.00	1.2222	31.00	-9.9999	PR
535-9-2	72.00	1.8000	53.00	1.1277	29.00	-9.9999	PR
535-9-3	73.00	1.7800	55.00	1.2222	31.00	1.3605	PR
535-9-4	74.00	1.8600	50.00	1.0000	27.00	-9.9999	PR
541-14-3	118.40	1.7800	57.40	1.3474	33.00	-9.9999	W
541-14-5	121.70	1.7700	57.70	1.3641	33.40	-9.9999	W

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
541-15-1	125.30	1.7400	58.60	1.4155	34.40	-9.9999	W
541-15-5	130.90	1.8000	55.40	1.2422	31.50	-9.9999	W
541-16-2	136.60	-9.9999	-99.99	-9.9999	-99.99	1.3759	W
541-17-2	145.40	1.7900	56.10	1.2779	32.10	-9.9999	W
541-17-5	150.40	1.7300	59.00	1.4390	35.00	-9.9999	W
541-19-1	163.40	1.8400	53.50	1.1505	29.80	-9.9999	W
541-19-5	169.20	1.8500	53.00	1.1277	29.30	-9.9999	W
541-2-5	7.60	1.4100	77.90	3.5249	56.50	0.9264	W
541-2-6	9.20	1.4100	75.50	3.0816	54.70	-9.9999	W
541-21-1	182.20	1.8600	52.30	1.0964	28.70	-9.9999	W
541-21-2	183.50	1.8400	53.80	1.1645	30.00	-9.9999	W
541-23-1	201.00	1.8300	54.60	1.2026	30.60	-9.9999	W
541-23-5	207.00	1.7900	57.00	1.3256	32.60	-9.9999	W
541-25-1	220.50	1.7100	61.40	1.5907	36.70	-9.9999	W
541-25-3	223.00	1.7900	57.40	1.3474	32.90	-9.9999	W
541-25-7	226.80	1.7600	58.50	1.4096	33.90	-9.9999	W
541-26-2	231.30	1.6200	65.00	1.8571	41.10	-9.9999	W
541-26-4	234.20	1.7900	57.70	1.3641	33.10	-9.9999	W
541-27-1	239.60	1.5300	47.10	0.8904	31.70	-9.9999	W
541-27-5	245.10	1.7800	58.00	1.3810	33.40	-9.9999	W
541-29-2	259.30	1.7500	62.00	1.6316	36.20	-9.9999	W
541-29-4	263.10	1.8000	56.20	1.2831	32.00	-9.9999	W
541-30-1	267.90	-9.9999	-99.99	-9.9999	-99.99	-9.9999	W
541-30-2	269.30	1.8300	55.60	1.2523	31.10	1.1570	W
541-30-5	274.00	1.7400	60.60	1.5381	35.60	-9.9999	W
541-36-1	324.40	1.9200	49.10	0.9646	26.20	-9.9999	W
541-36-2	325.80	1.8900	49.90	0.9960	27.00	-9.9999	W
541-37-1/2	334.80	1.9700	50.60	1.0243	26.30	1.3759	W
541-37-5	340.40	1.8200	55.10	1.2272	31.00	-9.9999	W
541-38-1	343.90	1.7400	60.60	1.5381	35.70	-9.9999	W
541-38-7	352.00	1.8200	57.00	1.3256	32.00	-9.9999	W
541-39-5	359.00	1.7300	61.70	1.6110	36.60	-9.9999	W
541-4-1	20.70	1.6800	65.80	1.9240	40.20	-9.9999	W
541-4-4	25.50	1.6100	64.00	1.7778	40.60	1.4546	W
541-40-1	362.40	1.7200	61.20	1.5773	36.40	-9.9999	W
541-40-4	367.20	1.7800	59.20	1.4510	34.10	-9.9999	W
541-41-3	375.40	1.7700	58.20	1.3923	33.70	-9.9999	W
541-41-4	376.40	1.8900	50.00	1.0000	27.10	-9.9999	W
541-42-1	381.10	1.7600	60.00	1.5000	35.00	-9.9999	W
541-42-4	386.30	1.7100	62.00	1.6316	37.10	-9.9999	W
541-42-7	390.30	-9.9999	-99.99	-9.9999	-99.99	1.2905	W
541-43-1	391.60	1.8200	55.80	1.2624	31.40	-9.9999	W
541-43-4	395.20	1.7400	59.80	1.4876	35.20	-9.9999	W
541-43-5	397.50	1.6500	65.40	1.8902	40.60	-9.9999	W

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
541-44-4	405.80	1.7900	59.80	1.4876	34.10	-9.9999	W
541-44-7	409.20	1.7000	63.00	1.7027	38.00	-9.9999	W
541-45-1	410.90	1.7100	63.10	1.7100	37.90	-9.9999	W
541-45-3	412.90	1.6600	66.40	1.9762	41.00	-9.9999	W
541-47-1	428.80	1.7400	60.70	1.5445	35.80	-9.9999	W
541-47-2	431.30	1.6700	61.60	1.6042	37.70	-9.9999	W
541-50-1	457.70	1.7200	58.20	1.3923	34.70	-9.9999	W
541-6-1	39.70	1.6600	60.90	1.5575	37.60	-9.9999	W
541-7-2	51.00	1.6700	63.20	1.7174	38.90	-9.9999	W
541-7-3	52.10	1.6800	62.10	1.6385	37.90	1.3056	W
542A-2-7	249.20	1.7000	61.40	1.5907	37.00	1.2416	W
542A-3-3	253.00	1.7000	61.60	1.6042	37.10	-9.9999	W
542A-4-1	260.00	1.7400	59.30	1.4570	34.80	-9.9999	W
542A-4-2	261.00	1.7900	57.70	1.3641	33.00	-9.9999	W
542A-5-3	273.00	1.6400	71.20	2.4722	44.60	-9.9999	W
542A-6-4	284.00	1.7300	61.30	1.5840	36.30	-9.9999	W
542A-6-6	286.00	1.6700	64.10	1.7855	39.30	-9.9999	W
542A-7-1	288.00	1.6900	62.30	1.6525	37.70	-9.9999	W
542A-7-2	289.00	1.6800	62.80	1.6882	38.30	-9.9999	W
542A-8-1	298.00	1.7400	59.40	1.4631	35.00	-9.9999	W
542A-8-2	299.00	1.7100	62.00	1.6316	37.10	-9.9999	W
542A-9-3	310.00	1.7600	58.20	1.3923	33.80	-9.9999	W
543-1-2	2.00	1.4100	76.20	3.2017	55.60	-9.9999	A
543-1-4	5.00	1.5400	65.30	1.8818	43.40	-9.9999	A
543-1-7	10.00	1.5000	70.80	2.4247	48.30	-9.9999	A
543-10-2	89.00	1.4100	71.20	2.4722	51.80	-9.9999	A
543-10-4	92.00	1.6800	59.10	1.4450	36.10	-9.9999	A
543-11-1	97.00	1.4000	74.90	2.9841	54.80	-9.9999	A
543-11-3	100.00	1.5100	69.30	2.2573	46.90	-9.9999	A
543-12-2	108.00	1.4600	72.30	2.6101	50.60	-9.9999	A
543-12-6	114.00	1.4900	71.10	2.4602	48.90	1.1068	A
543-15-CC	144.00	1.7700	58.50	1.4096	33.90	-9.9999	A
543-16-2	146.00	1.4900	74.40	2.9063	51.30	-9.9999	A
543-16-4	148.00	1.5400	71.00	2.4483	47.30	-9.9999	A
543-19-3	176.00	1.4100	75.00	3.0000	54.50	-9.9999	A
543-19-6	180.00	1.3900	76.50	3.2553	56.20	-9.9999	A
543-2-3	14.00	1.5200	64.60	1.8249	43.60	-9.9999	A
543-2-5	17.00	1.5700	64.70	1.8329	42.20	-9.9999	A
543-20-2	184.00	1.4400	74.10	2.8610	52.70	-9.9999	A
543-20-3	186.00	1.4900	71.50	2.5088	49.20	-9.9999	A
543-20-4	187.00	-9.9999	-99.99	-9.9999	-99.99	0.9979	A
543-23-1	211.00	1.7000	58.90	1.4331	35.50	-9.9999	A
543-23-2	213.00	1.6800	61.90	1.6247	37.90	-9.9999	A
543-24-2	222.00	1.6800	62.10	1.6385	37.90	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
543-24-4	225.00	1.7100	61.10	1.5707	36.70	-9.9999	A
543-25-1	229.00	1.6700	61.90	1.6247	37.90	-9.9999	A
543-25-2	231.00	1.6800	60.20	1.5126	36.50	-9.9999	A
543-26-2	241.00	1.7100	59.30	1.4570	35.50	-9.9999	A
543-26-5	245.00	1.7000	57.90	1.3753	34.80	-9.9999	A
543-27-3	252.00	1.7000	59.20	1.4510	35.80	-9.9999	A
543-27-5	255.00	1.7000	58.10	1.3866	35.10	-9.9999	A
543-28-1	258.00	1.6600	59.20	1.4510	36.50	-9.9999	A
543-28-3	261.00	1.7300	57.00	1.3256	33.80	-9.9999	A
543-28-4	263.00	-9.9999	-99.99	-9.9999	-99.99	1.0833	A
543-29-2	269.00	1.6100	59.30	1.4570	37.60	-9.9999	A
543-29-3	271.00	1.6600	58.50	1.4096	36.10	-9.9999	A
543-3-3	24.00	1.4800	71.10	2.4602	49.20	-9.9999	A
543-3-5	26.00	1.5500	67.90	2.1153	44.90	-9.9999	A
543-30-2	279.00	1.6100	59.60	1.4752	38.00	-9.9999	A
543-30-5	284.00	1.5800	52.70	1.1142	34.30	-9.9999	A
543-30-6	285.00	1.7000	53.00	1.1277	32.00	-9.9999	A
543-31-1	287.00	1.6300	58.30	1.3981	36.60	-9.9999	A
543-31-2	288.00	1.6200	58.70	1.4213	37.10	-9.9999	A
543-32-1	296.00	1.5500	63.60	1.7473	42.10	-9.9999	A
543-32-4	300.00	1.6200	58.30	1.3981	36.90	-9.9999	A
543-33-1	306.00	1.6200	57.30	1.3419	36.30	-9.9999	A
543-33-3	308.00	1.5800	62.10	1.6385	40.30	0.9791	A
543-34-1	316.00	1.5400	61.60	1.6042	40.90	-9.9999	A
543-34-2	317.00	1.6100	59.30	1.4570	37.70	-9.9999	A
543-34-CC	324.00	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
543-7-2	61.00	1.5800	63.80	1.7624	41.40	-9.9999	A
543-7-4	63.00	1.5500	67.30	2.0581	44.40	-9.9999	A
543-8-3	72.00	1.6000	62.20	1.6455	39.90	-9.9999	A
543-8-4	73.00	1.6100	62.40	1.6596	39.60	-9.9999	A
543-8-CC	77.00	1.7100	55.80	1.2624	33.30	-9.9999	A
543-9-1	78.00	1.5300	65.80	1.9240	44.10	-9.9999	A
543-9-4	82.00	1.6500	59.00	1.4390	36.60	-9.9999	A
543-9-6	86.00	-9.9999	-99.99	-9.9999	-99.99	1.1068	A
543A-10-1	408.00	1.8500	52.30	1.0964	28.90	-9.9999	A
543A-2-1	332.00	1.6600	57.20	1.3364	35.40	-9.9999	A
543A-2-2	334.00	1.6100	63.70	1.7548	40.60	-9.9999	A
543A-2-CC	342.00	1.6400	59.20	1.4510	36.90	-9.9999	A
543A-3-1	343.00	1.7400	55.90	1.2676	33.00	-9.9999	A
543A-3-2	344.00	1.7300	58.30	1.3981	34.60	-9.9999	A
543A-4-1	351.00	1.7900	55.20	1.2321	31.50	-9.9999	A
543A-4-3	354.00	1.8000	55.60	1.2523	31.70	-9.9999	A
543A-5-1	361.00	1.7600	56.60	1.3041	32.90	-9.9999	A
543A-5-2	363.00	1.7700	56.60	1.3041	32.70	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
543A-6-1	370.20	1.7600	57.80	1.3697	33.80	1.2730	A
543A-7-1	381.00	1.8300	55.20	1.2321	31.00	-9.9999	A
543A-7-3/4	384.00	1.9400	48.40	0.9380	25.60	1.4978	A
543A-8-1	389.50	1.7700	56.45	1.2962	32.70	-9.9999	A
543A-9-1	399.00	1.8050	54.70	1.2075	31.00	-9.9999	A
545-26-3	240.00	1.7100	55.30	1.2371	32.30	-9.9999	PR
545-27-3	249.80	1.7800	56.60	1.3041	31.90	-9.9999	PR
545-28-1	256.10	1.8200	54.40	1.1930	29.90	-9.9999	PR
545-29-1	265.70	1.8700	51.20	1.0492	27.40	-9.9999	PR
545-31-1	284.70	1.8800	49.90	0.9960	26.60	-9.9999	PR
545-32-1	293.70	1.8600	51.60	1.0661	27.70	-9.9999	PR
545-34-3	315.80	1.9400	46.30	0.8622	23.80	-9.9999	PR
545-36-2	333.60	1.9600	45.00	0.8181	23.00	-9.9999	PR
545-38-1	350.70	1.9700	44.70	0.8083	22.70	-9.9999	PR
545-39-1	360.50	1.9300	45.80	0.8450	23.80	-9.9999	PR
545-40-2	372.00	1.9700	42.20	0.7301	21.40	-9.9999	PR
545-41-2	381.00	2.0900	35.80	0.5576	17.10	-9.9999	PR
545-42-3	391.80	2.0400	36.70	0.5798	18.00	-9.9999	PR
545-43-2	399.90	2.1300	32.50	0.4815	15.20	-9.9999	PR
545-44-1	408.10	2.1400	33.40	0.5015	15.60	-9.9999	PR
545-45-3	420.70	2.1800	30.10	0.4306	13.80	-9.9999	PR
545-46-2	428.80	2.1600	32.90	0.4903	15.20	-9.9999	PR
545-47-1	436.90	2.1900	30.20	0.4327	13.80	-9.9999	PR
545-48-2	447.40	2.1600	32.70	0.4859	15.10	-9.9999	PR
545-49-2	456.60	2.2500	27.10	0.3717	12.10	-9.9999	PR
545-50-1	465.10	2.1900	30.40	0.4368	13.90	-9.9999	PR
545-51-3	477.30	2.1800	31.50	0.4599	14.40	-9.9999	PR
545-52-2	485.90	2.2000	28.80	0.4045	13.10	-9.9999	PR
545-53-3	496.20	2.2500	26.50	0.3605	11.80	-9.9999	PR
545-54-2	504.30	2.1700	32.10	0.4728	14.80	-9.9999	PR
545-55-2	514.40	2.2600	26.30	0.3569	11.60	-9.9999	PR
547A-40-2	433.30	1.9800	42.90	0.7513	-99.99	-9.9999	PR
547A-41-2	442.90	1.9200	47.70	0.9120	24.80	-9.9999	PR
547A-42-3	453.40	1.9200	49.50	0.9802	25.80	-9.9999	PR
547A-43-1	459.70	1.9400	47.00	0.8868	24.20	-9.9999	PR
547A-44-3	473.20	1.9500	47.50	0.9048	24.30	-9.9999	PR
547A-45-2	480.10	1.9800	45.20	0.8248	22.90	-9.9999	PR
547A-46-3	491.50	1.9800	45.40	0.8315	23.00	-9.9999	PR
547A-47-2	500.10	1.9800	44.90	0.8149	22.70	-9.9999	PR
547A-48-1	508.40	1.9800	45.00	0.8181	22.70	-9.9999	PR
547A-49-1	516.60	1.9600	46.60	0.8727	23.80	-9.9999	PR
547A-50-3	529.20	1.9900	44.50	0.8018	22.30	-9.9999	PR
547A-51-3	538.80	2.0200	42.30	0.7331	20.90	-9.9999	PR
547A-52-3	548.20	2.0400	42.20	0.7301	20.70	-9.9999	PR

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
547A-53-3	557.70	2.0100	42.60	0.7422	21.20	-9.9999	PR
547A-54-2	566.30	2.0200	42.30	0.7331	21.00	-9.9999	PR
547A-55-2	575.80	2.0400	42.50	0.7391	20.80	-9.9999	PR
547A-56-3	587.10	2.1100	37.70	0.6051	17.90	-9.9999	PR
547A-57-2	594.50	2.0400	39.40	0.6502	-99.99	-9.9999	PR
547A-58-4	607.40	2.0400	39.70	0.6584	-99.99	-9.9999	PR
547A-59-5	617.60	2.0700	37.70	0.6051	-99.99	-9.9999	PR
547A-60-4	625.80	2.0300	40.40	0.6779	-99.99	-9.9999	PR
547A-61-2	633.00	2.0900	36.50	0.5748	-99.99	-9.9999	PR
547A-62-3	643.80	2.1300	34.10	0.5175	-99.99	-9.9999	PR
547A-63-3	653.00	2.1300	34.30	0.5221	-99.99	-9.9999	PR
547A-64-3	662.10	2.0800	37.10	0.5898	-99.99	-9.9999	PR
547A-64-4	664.00	2.2900	24.70	0.3280	-99.99	-9.9999	PR
547A-65-1	668.80	2.1300	34.50	0.5267	-99.99	-9.9999	PR
547A-66-1	678.10	2.1600	32.60	0.4837	-99.99	-9.9999	PR
547A-66-2	680.60	2.2500	26.80	0.3661	-99.99	-9.9999	PR
547A-67-2	690.00	2.1000	35.80	0.5576	-99.99	-9.9999	PR
547A-68-4	702.90	2.1700	32.80	0.4881	15.20	-9.9999	PR
547A-69-2	709.20	2.2800	26.80	0.3661	11.70	-9.9999	PR
547A-70-2	717.80	2.2100	30.90	0.4472	14.00	-9.9999	PR
547A-71-1	725.90	2.2400	28.50	0.3986	12.70	-9.9999	PR
547A-72-3	738.10	2.2100	32.00	0.4706	14.50	-9.9999	PR
547A-73-1	744.90	2.1500	34.50	0.5267	16.00	-9.9999	PR
547B-2-1	734.90	2.0700	38.20	0.6181	18.50	-9.9999	PR
547B-3-1	743.70	2.0900	37.90	0.6103	18.10	-9.9999	PR
547B-4-1	753.60	2.1100	35.90	0.5601	17.00	-9.9999	PR
547B-4-4	757.80	2.2300	29.20	0.4124	13.10	-9.9999	PR
565-1-2	2.52	1.5200	80.00	4.0000	57.00	-9.9999	CS
565-1-5	6.32	1.5700	80.00	4.0000	49.00	-9.9999	CS
565-1-7	9.09	1.6800	70.00	2.3333	46.00	-9.9999	CS
565-11-1	96.60	1.6300	71.00	2.4483	43.00	-9.9999	CS
565-11-2	97.59	1.6400	75.00	3.0000	40.00	-9.9999	CS
565-11-3	99.62	1.5300	78.00	3.5455	46.00	-9.9999	CS
565-11-4	100.62	1.5800	76.00	3.1667	45.00	-9.9999	CS
565-12-3	108.61	-9.9999	-99.99	-9.9999	47.00	-9.9999	CS
565-12-5	112.12	1.6150	73.00	2.7037	49.00	-9.9999	CS
565-12-6	113.67	1.7600	63.00	1.7027	45.00	-9.9999	CS
565-13-2	116.75	1.6100	71.00	2.4483	42.00	-9.9999	CS
565-13-4	119.82	1.6800	66.00	1.9412	39.00	-9.9999	CS
565-13-6	122.88	1.6100	71.00	2.4483	44.00	-9.9999	CS
565-14-2	126.17	1.6300	70.00	2.3333	42.00	-9.9999	CS
565-14-4	129.16	1.6900	65.00	1.8571	40.00	-9.9999	CS
565-14-6	132.23	1.7000	65.00	1.8571	37.00	-9.9999	CS
565-15-2	135.68	1.5800	77.00	3.3478	47.00	-9.9999	CS



Sample ID	Depth (m)	Bulk		Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
		Density (gm/cc)	Porosity (%)				
565-15-4	138.68	1.6300	76.00	3.1667	42.00	-9.9999	CS
565-15-6	142.18	1.6500	73.00	2.7037	-99.99	-9.9999	CS
565-16-1	143.59	1.7000	71.00	2.4483	33.00	-9.9999	CS
565-16-3	147.84	1.7100	71.00	2.4483	33.00	-9.9999	CS
565-16-6	151.42	-9.9999	-99.99	-9.9999	32.00	-9.9999	CS
565-17-2	154.97	1.7500	66.00	1.9412	35.00	-9.9999	CS
565-17-4	157.65	1.6600	72.00	2.5714	33.00	-9.9999	CS
565-17-6	160.99	1.7100	70.00	2.3333	33.00	-9.9999	CS
565-18-1	162.78	1.7000	72.00	2.5714	34.00	-9.9999	CS
565-18-3	166.35	1.7500	69.00	2.2258	35.00	-9.9999	CS
565-18-4	168.28	1.6800	73.00	2.7037	31.00	-9.9999	CS
565-19-1	172.51	-9.9999	-99.99	-9.9999	31.00	-9.9999	CS
565-19-3	175.01	1.8000	66.00	1.9412	32.00	-9.9999	CS
565-19-6	180.71	1.7800	68.00	2.1250	31.00	-9.9999	CS
565-2-2	12.23	1.6800	70.00	2.3333	41.00	-9.9999	CS
565-2-4	15.22	1.7100	68.00	2.1250	43.00	-9.9999	CS
565-2-6	18.22	1.7400	67.00	2.0303	38.00	-9.9999	CS
565-20-3	185.39	1.8600	62.00	1.6316	34.00	-9.9999	CS
565-20-5	188.45	-9.9999	-99.99	-9.9999	31.00	-9.9999	CS
565-22-4	206.14	1.7600	66.00	1.9412	35.00	-9.9999	CS
565-23-1	211.08	1.9000	59.00	1.4390	30.00	-9.9999	CS
565-23-6	218.49	1.8000	65.00	1.8571	37.00	-9.9999	CS
565-24-2	222.05	1.7500	68.00	2.1250	33.00	-9.9999	CS
565-24-4	225.46	1.8100	64.00	1.7778	34.00	-9.9999	CS
565-28-1	258.33	1.7500	68.00	2.1250	31.00	-9.9999	CS
565-29-2	269.20	1.8600	61.00	1.5641	28.00	-9.9999	CS
565-29-6	275.44	1.8900	60.00	1.5000	28.00	-9.9999	CS
565-30-1	276.91	1.8900	60.00	1.5000	30.00	-9.9999	CS
565-30-4	282.21	1.7200	70.00	2.3333	28.00	-9.9999	CS
565-30-6	284.83	1.7600	68.00	2.1250	29.00	-9.9999	CS
565-31-3	290.14	1.7000	72.00	2.5714	32.00	-9.9999	CS
565-31-7	293.85	1.8300	63.00	1.7027	30.00	-9.9999	CS
565-32-1	300.70	1.8100	64.00	1.7778	-99.99	-9.9999	CS
565-33-1	310.00	1.7600	65.00	1.8571	-99.99	-9.9999	CS
565-33-CC	311.80	1.7100	67.00	2.0303	-99.99	-9.9999	CS
565-4-2	31.02	1.7200	68.00	2.1250	38.00	-9.9999	CS
565-4-4	34.22	1.7900	63.00	1.7027	37.00	-9.9999	CS
565-5-3	42.72	1.2500	-99.99	-9.9999	34.00	-9.9999	CS
565-5-5	45.72	1.8100	65.00	1.8571	33.00	-9.9999	CS
565-6-1	48.78	1.7200	70.00	2.3333	42.00	-9.9999	CS
565-6-2	50.63	1.6400	74.00	2.8462	40.00	-9.9999	CS
565-6-5	55.53	1.5100	83.00	4.8824	42.00	-9.9999	CS
565-7-2	59.83	1.6000	79.00	3.7619	38.00	-9.9999	CS
565-7-3	61.06	-9.9999	76.00	3.1667	42.00	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
565-7-5	64.84	-9.9999	-99.99	-9.9999	35.00	-9.9999	CS
566-1-1	0.53	1.4400	72.00	2.5714	50.00	-9.9999	CS
566-1-3	3.53	1.4900	68.00	2.1250	46.00	-9.9999	CS
566-2-2	6.33	1.4300	75.00	3.0000	52.00	-9.9999	CS
566-2-4	8.87	1.5400	64.00	1.7778	42.00	-9.9999	CS
566-2-CC	7.00	-9.9999	-99.99	-9.9999	-99.99	0.7367	CS
566-4-2	14.83	1.4600	70.00	2.3333	48.00	-9.9999	CS
566-4-CC	17.10	-9.9999	-99.99	-9.9999	-99.99	0.7702	CS
566-5-2	24.35	1.6600	73.00	2.7037	44.00	0.6991	CS
567A-1-4	201.19	1.7700	53.00	1.1277	30.00	-9.9999	CS
567A-1-6	203.54	1.9400	49.00	0.9608	26.00	-9.9999	CS
567A-10-1	281.32	1.6800	58.00	1.3810	35.00	-9.9999	CS
567A-10-2	283.26	2.3700	18.00	0.2195	8.00	-9.9999	CS
567A-2-3	209.58	1.6500	59.00	1.4390	36.00	-9.9999	CS
567A-2-4	210.96	1.7600	55.00	1.2222	31.00	-9.9999	CS
567A-3-4	219.80	1.7500	53.00	1.1277	30.00	-9.9999	CS
567A-6-4	248.38	1.6200	62.00	1.6316	38.00	-9.9999	CS
567A-7-2	254.90	1.7750	56.00	1.2727	32.00	-9.9999	CS
567A-8-2	264.95	1.7400	55.00	1.2222	31.00	-9.9999	CS
567A-8-3	266.96	1.7800	52.00	1.0833	29.00	-9.9999	CS
567A-9-4	277.38	1.7600	-99.99	-9.9999	-99.99	-9.9999	CS
567A-9-5	278.88	1.5700	66.00	1.9412	42.00	-9.9999	CS
568-1-1	1.12	1.3200	79.00	3.7619	60.00	-9.9999	CS
568-1-2	2.27	1.3500	77.00	3.3478	57.00	-9.9999	CS
568-1-3	3.25	1.3600	75.00	3.0000	55.00	-9.9999	CS
568-10-2	81.82	1.3600	70.00	2.3333	52.00	-9.9999	CS
568-10-4	84.78	1.3900	70.00	2.3333	51.00	-9.9999	CS
568-14-6	126.14	1.4800	66.00	1.9412	45.00	-9.9999	CS
568-15-1	127.83	1.4100	69.00	2.2258	49.00	-9.9999	CS
568-15-6	135.34	1.4400	68.00	2.1250	47.00	-9.9999	CS
568-16-4	142.53	1.4400	68.00	2.1250	47.00	-9.9999	CS
568-16-6	144.73	1.4900	67.00	2.0303	45.00	0.6518	CS
568-18-1	157.23	1.4300	69.00	2.2258	48.00	-9.9999	CS
568-18-4	161.63	1.4400	69.00	2.2258	48.00	-9.9999	CS
568-18-5	162.88	-9.9999	-99.99	-9.9999	-99.99	0.7845	CS
568-19-2	168.03	1.4000	72.00	2.5714	52.00	-9.9999	CS
568-19-6	175.03	1.4300	69.00	2.2258	48.00	-9.9999	CS
568-2-1	3.91	1.2700	81.00	4.2632	64.00	-9.9999	CS
568-2-3	7.32	1.3250	78.50	3.6512	60.00	-9.9999	CS
568-2-6	11.42	1.3700	73.00	2.7037	53.00	-9.9999	CS
568-25-5	231.76	1.3500	66.00	1.9412	49.00	-9.9999	CS
568-25-6	233.07	-9.9999	-99.99	-9.9999	51.00	-9.9999	CS
568-28-4	258.47	1.5900	62.00	1.6316	39.00	-9.9999	CS
568-28-7	262.84	1.4600	71.00	2.4483	49.00	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
568-34-1	311.71	1.5900	62.00	1.6316	39.00	-9.9999	CS
568-34-3	314.31	1.6900	55.00	1.2222	33.00	-9.9999	CS
568-38-6	359.07	1.5800	62.00	1.6316	39.00	-9.9999	CS
568-4-2	24.47	1.3300	75.00	3.0000	57.00	-9.9999	CS
568-4-4	27.26	1.3200	77.00	3.3478	58.00	-9.9999	CS
568-40-3	373.34	1.7400	55.00	1.2222	31.00	-9.9999	CS
568-40-4	375.40	1.6800	57.00	1.3256	34.00	-9.9999	CS
568-41-3	383.27	1.6700	56.00	1.2727	34.00	-9.9999	CS
568-42-4	394.84	1.6700	58.00	1.3810	35.00	-9.9999	CS
568-42-5	395.09	1.6600	59.00	1.4390	35.00	-9.9999	CS
568-42-6	397.67	-9.9999	-99.99	-9.9999	-99.99	1.9637	CS
568-43-1	398.74	1.6700	59.00	1.4390	35.00	-9.9999	CS
568-43-4	403.42	1.7900	52.00	1.0833	29.00	-9.9999	CS
568-44-2	409.91	1.7100	57.00	1.3256	33.00	-9.9999	CS
568-44-5	414.95	1.6600	57.00	1.3256	34.00	-9.9999	CS
569-10-1	78.90	1.5800	73.00	2.7037	50.00	-9.9999	CS
569-11-1	87.94	1.5500	74.00	2.8462	46.00	-9.9999	CS
569-11-2	90.26	1.6100	71.00	2.4483	48.00	-9.9999	CS
569-12-1	98.50	-9.9999	-99.99	-9.9999	46.00	-9.9999	CS
569-12-3	100.38	1.4400	87.00	6.6923	50.00	-9.9999	CS
569-12-6	105.59	1.3200	-99.99	-9.9999	45.00	-9.9999	CS
569-14-2	117.83	1.6500	58.00	1.3810	35.00	-9.9999	CS
569-15-2	127.56	1.6400	61.00	1.5641	37.00	-9.9999	CS
569-16-CC	136.33	1.6900	56.00	1.2727	33.00	-9.9999	CS
569-17-5	151.26	1.6500	60.00	1.5000	37.00	-9.9999	CS
569-17-6	152.66	1.5900	63.00	1.7027	40.00	-9.9999	CS
569-20-1	174.32	1.6400	60.00	1.5000	37.00	-9.9999	CS
569-22-2	194.52	1.7300	56.00	1.2727	32.00	-9.9999	CS
569-23-1	203.47	1.8000	65.00	1.8571	34.00	-9.9999	CS
569-23-2	206.51	1.6600	57.00	1.3256	34.00	-9.9999	CS
569-24-1	212.35	1.7200	56.00	1.2727	33.00	-9.9999	CS
569-24-4	216.89	-9.9999	-99.99	-9.9999	-99.99	1.7548	CS
569-24-5	218.93	1.6300	60.00	1.5000	37.00	-9.9999	CS
569-25-1	222.86	1.6700	55.00	1.2222	33.00	-9.9999	CS
569-26-1	231.77	1.6600	58.00	1.3810	35.00	-9.9999	CS
569-26-5	238.41	1.6600	58.00	1.3810	35.00	-9.9999	CS
569-27-3	245.22	1.7100	57.00	1.3256	33.00	-9.9999	CS
569-27-CC	250.70	-9.9999	-99.99	-9.9999	-99.99	1.2843	CS
569-6-2	42.77	1.4000	73.00	2.7037	52.00	-9.9999	CS
569-6-4	44.82	1.4200	73.00	2.7037	51.00	-9.9999	CS
569-6-6	48.32	1.4400	71.00	2.4483	49.00	-9.9999	CS
569-6-CC	49.70	-9.9999	-99.99	-9.9999	-99.99	1.1601	CS
569-7-1	51.02	1.3900	73.00	2.7037	52.00	-9.9999	CS
569-7-4	55.52	1.4000	72.00	2.5714	51.00	-9.9999	CS

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
569-7-6	58.32	1.5100	67.00	2.0303	45.00	-9.9999	CS
569-8-2	60.92	1.5600	64.00	1.7778	41.00	-9.9999	CS
569-8-3	62.82	1.4900	68.00	2.1250	46.00	-9.9999	CS
569-9-2	70.92	1.4400	71.00	2.4483	50.00	-9.9999	CS
569-9-CC	77.90	-9.9999	-99.99	-9.9999	-99.99	0.7644	CS
569A-1-1	246.98	1.6700	59.00	1.4390	35.00	-9.9999	CS
569A-1-4	251.73	1.7100	57.00	1.3256	34.00	-9.9999	CS
569A-4-1	274.62	1.7200	57.00	1.3256	33.00	-9.9999	CS
569A-6-1	294.54	1.9600	45.00	0.8182	23.00	-9.9999	CS
569A-9-1	332.32	2.1900	27.00	0.3699	12.00	-9.9999	CS
569A-9-CC	334.10	1.7800	40.00	0.6667	22.00	-9.9999	CS
570-21-2	194.00	1.5500	-99.99	-9.9999	76.00	-9.9999	CS
570-22-1	202.22	1.5700	60.00	1.5000	38.00	-9.9999	CS
570-22-4	206.23	1.6100	60.00	1.5000	37.00	-9.9999	CS
570-27-CC	250.70	2.4000	18.00	0.2195	7.00	-9.9999	CS
570-28-7	268.12	1.4700	62.00	1.6316	42.00	-9.9999	CS
570-28-CC	268.30	-9.9999	-99.99	-9.9999	-99.99	1.2021	CS
570-29-2	271.02	1.5000	60.00	1.5000	40.00	-9.9999	CS
570-3-2	19.52	1.5000	64.00	1.7778	42.00	-9.9999	CS
570-3-5	24.52	1.5300	64.00	1.7778	42.00	-9.9999	CS
570-3-6	25.52	1.5800	62.00	1.6316	39.00	-9.9999	CS
570-4-1	28.22	1.5200	64.00	1.7778	42.00	-9.9999	CS
570-4-4	32.01	1.5900	62.00	1.6316	39.00	-9.9999	CS
570-4-CC	36.70	-9.9999	-99.99	-9.9999	-99.99	0.6710	CS
570-5-6	45.72	1.5100	65.00	1.8571	43.00	-9.9999	CS
576-1-1	5.21	1.2800	82.40	4.6900	62.83	-9.9999	A
576-1-2	6.71	1.2600	83.40	5.0400	64.41	-9.9999	A
576-2-1	7.70	1.3100	80.80	4.2000	60.16	-9.9999	A
576-2-2	9.30	1.2700	83.00	4.8800	63.77	-9.9999	A
576-2-3	10.89	1.3900	75.90	3.1500	53.05	-9.9999	A
576-2-4	12.70	1.2700	83.00	4.8700	63.77	-9.9999	A
576-2-5	13.86	1.2100	86.70	6.5000	70.06	-9.9999	A
576-2-6	15.11	1.2200	85.80	6.0500	68.55	-9.9999	A
576-3-1	10.50	1.2900	81.70	4.4500	61.54	-9.9999	A
576-3-2	11.79	1.2300	85.50	5.8900	67.95	-9.9999	A
576-3-3	13.40	1.2400	84.70	5.5200	66.56	-9.9999	A
576-3-4	14.70	1.2600	83.30	4.9800	64.16	-9.9999	A
576-4-1	20.08	1.2500	84.20	5.3200	65.75	-9.9999	A
576-4-2	21.16	1.2700	82.70	4.7700	63.24	-9.9999	A
576-4-3	22.76	1.4100	74.90	2.9900	51.92	-9.9999	A
576-4-4	24.22	1.3300	79.20	3.8000	57.81	-9.9999	A
576-4-5	25.76	1.3300	79.60	3.8900	58.33	-9.9999	A
576-4-6	27.36	1.3500	78.40	3.6400	56.71	-9.9999	A
576-5-1	28.95	1.3300	79.20	3.8000	57.81	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
576-5-2	30.40	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
576-5-3	31.94	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
576-5-5	37.67	1.3350	79.44	4.8600	58.16	-9.9999	A
576-5-6	39.24	1.3000	81.10	4.3000	60.78	-9.9999	A
576-6-3	38.16	1.3600	78.00	3.5400	55.95	-9.9999	A
576-6-4	39.59	1.3500	78.40	3.6300	56.71	-9.9999	A
576-6-5	41.21	1.3300	79.40	3.8600	58.16	-9.9999	A
576-6-6	42.66	1.3500	78.10	3.5600	56.14	-9.9999	A
576-7-1	45.36	1.3900	76.20	3.2000	53.70	-9.9999	A
576-7-2	47.92	1.3850	76.30	3.2200	53.81	-9.9999	A
576-7-3	49.51	1.3300	79.70	3.9300	58.51	-9.9999	A
576-7-4	50.91	1.2700	83.20	4.9600	64.16	-9.9999	A
576-7-5	52.10	1.3800	76.90	3.3200	54.55	-9.9999	A
576-7-6	53.95	1.3900	76.20	3.2000	53.49	-9.9999	A
576B-1-1	0.85	1.2900	81.55	4.4200	61.39	-9.9999	A
576B-1-2	2.20	1.1700	88.50	7.7100	73.54	-9.9999	A
576B-1-3	3.75	1.3000	81.10	4.2800	60.63	-9.9999	A
576B-1-4	5.05	1.2900	81.50	4.4100	61.40	-9.9999	A
576B-1-5	6.95	1.2800	82.50	4.7000	62.83	-9.9999	A
576B-2-1	12.24	1.1800	87.90	7.2700	72.38	-9.9999	A
576B-2-2	13.91	1.2400	84.50	5.4600	66.33	-9.9999	A
576B-2-3	15.46	1.2300	85.40	5.8700	67.95	-9.9999	A
576B-2-4	21.29	1.2800	82.20	4.6300	62.55	-9.9999	A
576B-2-5	22.80	1.2900	81.80	4.5020	61.90	-9.9999	A
576B-2-6	24.36	1.3000	81.30	4.3400	60.94	-9.9999	A
576B-3-1	21.70	1.3100	80.90	4.2300	60.32	-9.9999	A
576B-3-2	23.26	1.3200	80.20	4.0400	59.35	-9.9999	A
576B-3-3	24.38	1.3600	77.90	3.5200	55.95	-9.9999	A
576B-3-4	26.85	1.3700	77.30	3.4000	54.95	-9.9999	A
576B-3-5	27.80	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
576B-3-6	29.17	1.3800	76.90	3.3200	54.34	-9.9999	A
576B-4-4	38.30	1.3400	78.60	3.6800	56.90	-9.9999	A
576B-4-5	39.60	1.2900	81.80	4.5000	61.83	-9.9999	A
576B-4-6	41.31	1.3100	80.70	4.1700	60.00	-9.9999	A
576B-5-2	42.53	1.3300	79.40	3.8500	58.16	-9.9999	A
576B-5-3	43.91	1.3500	78.20	3.5900	56.33	-9.9999	A
576B-5-4	45.32	1.4200	74.10	2.8600	50.74	-9.9999	A
576B-5-5	46.82	1.4000	75.30	3.0500	52.38	-9.9999	A
576B-5-6	48.28	1.3800	76.70	3.3000	54.34	-9.9999	A
576B-7	60.45	-9.9999	-99.99	-9.9999	-99.99	1.0610	A
578-1-1	1.30	1.3400	78.80	3.7200	57.26	-9.9999	A
578-1-3	4.25	1.3000	81.40	4.3900	61.24	-9.9999	A
578-10-2	83.31	1.3400	79.10	3.7800	57.63	-9.9999	A
578-10-4	86.40	1.3100	80.90	4.2300	60.32	-9.9999	A

Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
578-10-6	88.91	1.3200	79.80	3.9500	58.68	-9.9999	A
578-11-2	93.00	1.3200	79.80	3.9600	58.85	-9.9999	A
578-11-4	95.81	1.3300	79.80	3.9400	58.68	-9.9999	A
578-11-6	98.61	1.3700	77.20	3.3900	54.95	-9.9999	A
578-12-2	102.10	1.4850	70.25	2.3613	49.37	-9.9999	A
578-12-5	106.81	1.3400	78.70	3.6900	57.08	-9.9999	A
578-13-2	111.74	1.3100	80.60	4.1500	59.84	-9.9999	A
578-13-4	114.97	1.3200	79.90	3.9800	58.85	-9.9999	A
578-13-6	117.72	1.3800	76.40	3.2400	53.70	-9.9999	A
578-14-2	121.17	1.3200	79.90	3.9700	58.85	-9.9999	A
578-14-4	124.27	1.3800	76.40	3.2400	53.92	-9.9999	A
578-14-6	127.13	1.4000	75.30	3.0500	52.38	-9.9999	A
578-15-2	130.75	1.4300	73.50	2.7700	49.75	-9.9999	A
578-15-4	133.75	1.4700	71.40	2.5000	47.37	-9.9999	A
578-15-6	136.75	1.4700	71.30	2.4900	47.09	-9.9999	A
578-16-2	140.27	1.5200	68.30	2.1500	43.50	-9.9999	A
578-16-3	141.75	1.6900	-99.99	-9.9999	-99.99	-9.9999	A
578-16-4	143.31	1.4400	72.80	2.6700	48.98	-9.9999	A
578-17-1	148.31	1.4700	71.70	2.5300	47.64	-9.9999	A
578-17-3	151.31	1.4700	71.10	2.4600	46.81	-9.9999	A
578-17-5	154.33	1.4200	74.20	2.8700	50.74	-9.9999	A
578-18-3	160.82	1.6100	63.00	1.7000	37.89	-9.9999	A
578-18-4	162.33	1.6000	63.90	1.7700	38.65	-9.9999	A
578-19-1	167.31	1.5700	65.60	1.9100	40.83	-9.9999	A
578-19-3	170.30	1.5900	64.40	1.8100	39.39	-9.9999	A
578-2-2	7.30	1.2600	83.30	4.9800	64.16	-9.9999	A
578-2-3	8.50	1.2500	83.90	5.2100	65.28	-9.9999	A
578-2-4	10.15	1.3000	81.50	4.4100	61.39	-9.9999	A
578-3-2	16.80	1.2500	84.20	5.3100	65.64	-9.9999	A
578-3-3	18.30	1.3000	81.40	4.3700	61.09	-9.9999	A
578-3-4	19.92	1.3200	80.00	4.0000	59.02	-9.9999	A
578-3-5	20.93	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
578-3-6	22.85	1.5500	66.95	2.0257	47.92	-9.9999	A
578-4-2	25.89	1.3200	79.80	3.9600	58.85	-9.9999	A
578-4-3	27.80	1.3900	75.70	3.1100	52.83	-9.9999	A
578-4-5	30.51	1.3300	79.50	3.8800	58.33	-9.9999	A
578-5-2	35.11	1.3600	77.40	3.4300	55.16	-9.9999	A
578-5-3	37.00	1.3400	78.70	3.7000	57.08	-9.9999	A
578-5-5	40.16	1.3350	79.30	3.8309	57.98	-9.9999	A
578-5-6	41.57	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
578-6-2	45.07	1.3200	80.20	4.0500	59.35	-9.9999	A
578-6-3	47.73	-9.9999	-99.99	-9.9999	-99.99	-9.9999	A
578-6-4	48.16	1.2700	83.20	4.9700	64.16	-9.9999	A
578-6-6	51.01	1.2800	82.50	4.7300	62.96	-9.9999	A

Sample ID	Depth (m)	Bulk		Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
		Density (gm/cc)	Porosity (%)				
578-7-2	54.69	1.2800	82.10	4.5800	62.26	-9.9999	A
578-7-4	57.50	1.2700	83.20	4.9600	64.16	-9.9999	A
578-7-6	60.65	1.2900	81.70	4.4600	61.69	-9.9999	A
578-8-2	64.25	1.3000	81.10	4.2900	60.63	-9.9999	A
578-8-4	67.47	1.3800	76.40	3.2400	53.92	-9.9999	A
578-8-6	70.01	1.4800	70.60	2.4000	46.24	-9.9999	A
578-9-2	74.02	1.3300	79.60	3.8900	58.33	-9.9999	A
578-9-4	77.01	1.3300	79.80	3.9400	58.68	-9.9999	A
578-9-6	82.06	1.3500	78.20	3.5900	56.33	-9.9999	A
579-1-2	2.67	1.2100	86.50	6.4000	69.79	-9.9999	A
579-1-5	7.19	1.2700	82.90	4.8500	63.64	-9.9999	A
579-10	104.25	-9.9999	-99.99	-9.9999	-99.99	0.6960	A
579-11	113.75	-9.9999	-99.99	-9.9999	-99.99	0.6950	A
579-12	123.25	-9.9999	-99.99	-9.9999	-99.99	0.6900	A
579-13	132.75	-9.9999	-99.99	-9.9999	-99.99	0.6690	A
579-14	142.25	-9.9999	-99.99	-9.9999	-99.99	0.7100	A
579-15	151.75	-9.9999	-99.99	-9.9999	-99.99	0.7300	A
579-2-2	11.25	1.2800	82.50	4.7000	62.83	-9.9999	A
579-2-5	15.26	1.3000	81.50	4.4000	61.39	-9.9999	A
579A-1-3	17.83	1.2700	82.80	4.8000	63.37	-9.9999	A
579A-1-5	21.00	1.3100	80.90	4.2400	60.47	-9.9999	A
579A-2-3	27.45	1.2800	82.20	4.6300	62.55	-9.9999	A
579A-2-5	30.30	1.3100	80.40	4.1100	59.68	-9.9999	A
579A-3-2	35.20	1.4000	75.60	3.0900	52.61	-9.9999	A
579A-3-5	39.60	1.3800	76.60	3.2800	54.13	-9.9999	A
579A-4-1	43.39	1.3100	83.00	4.8800	63.77	-9.9999	A
579A-4-2	44.69	1.2700	82.80	4.8000	63.37	-9.9999	A
579A-4-3	46.43	1.2700	82.80	4.8300	63.50	-9.9999	A
579A-5-2	54.38	1.2800	82.10	4.5900	62.26	-9.9999	A
579A-5-5	58.40	1.2600	83.60	5.0800	64.66	-9.9999	A
580-1-2	2.70	1.2700	82.80	4.7900	63.37	-9.9999	A
580-10	84.05	-9.9999	-99.99	-9.9999	-99.99	0.8030	A
580-10-2	81.97	1.2800	82.30	4.6500	62.69	-9.9999	A
580-10-5	86.44	1.2800	82.20	4.6300	62.55	-9.9999	A
580-11	93.55	-9.9999	-99.99	-9.9999	-99.99	0.7800	A
580-11-4	94.47	1.2700	82.70	4.7900	63.37	-9.9999	A
580-12-2	100.63	1.3100	84.00	5.2400	65.40	-9.9999	A
580-12-5	105.01	1.2700	82.80	4.8200	63.50	-9.9999	A
580-13-2	109.98	1.2800	82.50	4.7300	63.10	-9.9999	A
580-13-5	114.58	1.2800	82.30	4.6500	62.69	-9.9999	A
580-14	122.05	-9.9999	-99.99	-9.9999	-99.99	0.8690	A
580-15	131.55	-9.9999	-99.99	-9.9999	-99.99	0.8590	A
580-16-2	139.00	1.2700	83.10	4.9300	64.03	-9.9999	A
580-16-5	143.45	1.2800	82.40	4.6800	62.83	-9.9999	A



Sample ID	Depth (m)	Bulk Density (gm/cc)	Porosity (%)	Void Ratio	Water Content (%)	Thermal Conductivity (W/m-K)	Tectonic Setting
580-17-2	148.59	1.2700	83.10	4.9300	64.03	-9.9999	A
580-17-5	153.05	1.3000	81.00	4.2700	60.63	-9.9999	A
580-2-2	5.52	1.2700	82.90	4.8400	63.50	-9.9999	A
580-2-4	8.96	1.2500	84.30	5.3500	65.87	-9.9999	A
580-3-3	16.57	1.3000	81.20	4.3300	60.94	-9.9999	A
580-3-6	21.18	1.2700	82.90	4.8500	63.64	-9.9999	A
580-4-2	24.63	1.2600	83.40	5.0200	64.41	-9.9999	A
580-4-4	27.77	1.2500	84.40	5.4000	66.10	-9.9999	A
580-5-1	32.47	1.5500	-99.99	-9.9999	-99.99	-9.9999	A
580-5-2	34.24	1.2800	82.50	4.7000	62.83	-9.9999	A
580-5-4	37.14	1.2900	81.80	4.5000	61.83	-9.9999	A
580-6-2	43.86	1.3200	80.20	4.0400	59.35	-9.9999	A
580-6-5	48.05	1.2700	83.20	4.9400	64.03	-9.9999	A
580-7-2	53.24	1.2700	83.10	4.9200	63.90	-9.9999	A
580-7-4	56.25	1.3000	81.40	4.3900	61.24	-9.9999	A
580-8	65.15	-9.9999	-99.99	-9.9999	-99.99	0.7950	A
580-8-2	62.68	1.3100	80.80	4.2200	60.32	-9.9999	A
580-8-5	67.35	1.3000	81.00	4.2600	60.47	-9.9999	A
580-9	74.55	-9.9999	-99.99	-9.9999	-99.99	0.7760	A
580-9-2	72.00	1.2700	83.00	4.8800	63.77	-9.9999	A
580-9-3	73.12	1.4000	-99.99	-9.9999	-99.99	-9.9999	A
580-9-5	76.60	1.2800	82.40	4.6800	62.69	-9.9999	A
581-10-3	261.57	1.3200	80.20	4.0600	59.35	-9.9999	A
581-2-6	190.10	1.2100	86.40	6.3600	69.60	-9.9999	A
581-3-5	198.30	1.2600	83.60	5.1100	64.79	-9.9999	A
581-4-2	202.80	1.2700	82.90	4.8400	63.50	-9.9999	A
581-6-2	222.05	1.2500	83.80	5.1800	65.16	-9.9999	A
581-6-5	226.26	1.2900	81.80	4.5000	61.83	-9.9999	A
581-7-5	235.69	1.2800	82.10	4.5800	62.26	-9.9999	A
581-8-5	245.20	1.2900	81.70	4.4600	61.69	-9.9999	A
581-9-4	253.04	1.3100	80.90	4.2300	60.32	-9.9999	A



**Appendix 2: Part 2**

The second part of the data listing sorted by Sample ID follows. Missing numerical values are indicated by -99.99 and missing character string values are blank. As before, because of the manner in which the Sample ID character strings are sorted, the ID strings are not in exact order.

The following codes are used for the Clay Mineralogy:

<b>Code</b>	<b>Mineralogy</b>
M	montmorillinite/smectite
I	illite
K	kaolinite
C	chlorite
P	palygorskite/attpulgite/sepiolite
Pl	plagioclase
Mi	mica
Q	quartzite
ML	mixed mineralogy
?	XRD done but results not tabulated

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
029B-4	92.00	91.10		0.13	0.00	-9999.99	-999.99
099A-1-1	1.00	60.40	Mi,M	13.50	39.00	-9999.99	-999.99
099A-1-2	2.00	69.90	Mi,M	7.10	33.00	-9999.99	-999.99
099A-1-3	4.00	62.80	Mi,M	11.30	29.00	-9999.99	-999.99
099A-1-5	7.00	67.20	Mi,M	12.30	25.00	-9999.99	-999.99
099A-2-1	16.00	74.00	Mi,M	7.20	8.00	-9999.99	-999.99
099A-2-2	17.00	76.10	Mi,M	4.20	18.00	-9999.99	-999.99
099A-2-3	19.00	66.10	Mi,M	12.00	13.00	-9999.99	-999.99
099A-2-5	22.00	63.80	Mi,M	14.30	22.00	-9999.99	-999.99
099A-2-6	23.00	59.30	Mi,M	17.70	31.00	-9999.99	-999.99
099A-8-1	95.00	65.00	M	0.30	87.00	-9999.99	-999.99
099A-9-1	132.00	92.70	M	0.10	96.00	-9999.99	-999.99
099A-9-6	140.00	-99.99	M	-99.99	85.00	-9999.99	-999.99
101-1-1	33.00	69.90	M,Mi	2.40	8.00	-9999.99	-999.99
101-1-2	34.00	70.80	M,Mi	0.20	14.00	-9999.99	-999.99
101-1-3	36.00	-99.99	M,Mi	-99.99	10.00	-9999.99	-999.99
101-1-4	37.00	63.30	M,Mi	0.80	12.00	-9999.99	-999.99
101-1-5	39.00	67.00	M,Mi	0.30	13.00	-9999.99	-999.99
101-1-6	40.00	62.90	M,Mi	2.00	14.00	-9999.99	-999.99
101-2-1	68.00	66.50	M,Mi	0.50	12.00	-9999.99	-999.99
101-2-2	69.00	63.60	M,Mi	0.10	3.00	-9999.99	-999.99
101-2-3	71.00	67.70	M,Mi	0.40	4.00	-9999.99	-999.99
101-2-4	72.00	64.80	M,Mi	0.90	21.00	-9999.99	-999.99
101-2-5	74.00	61.30	M,Mi	0.30	9.00	-9999.99	-999.99
101A-1-1	116.00	63.30	M,Mi	1.00	4.00	-9999.99	-999.99
101A-1-2	117.00	62.40	M,Mi	3.20	3.00	-9999.99	-999.99
101A-1-3	119.00	64.70	M,Mi	0.20	11.00	-9999.99	-999.99
101A-2-1	157.00	61.20	M	0.20	30.00	-9999.99	-999.99
101A-2-2	158.00	63.50	M	0.20	30.00	-9999.99	-999.99
101A-2-3	160.00	70.80	M	0.80	8.00	-9999.99	-999.99
101A-2-4	161.00	65.40	M	0.00	4.00	-9999.99	-999.99
101A-2-5	163.00	50.10	M	20.30	9.00	-9999.99	-999.99
101A-2-6	164.00	64.00	M	0.20	16.00	-9999.99	-999.99
101A-3-1	195.00	54.50	M	0.40	11.00	-9999.99	-999.99
101A-3-2	196.00	54.90	M	0.40	9.00	-9999.99	-999.99
101A-4-1	251.00	77.00	M	0.00	3.00	-9999.99	-999.99
101A-5-2	310.00	67.50	M,Mi	0.10	0.50	-9999.99	-999.99
101A-8-1	535.00	84.15	M	0.20	7.00	-9999.99	-999.99
101A-8-2	536.00	83.95	M	0.00	0.50	-9999.99	-999.99
102-1-1	1.00	63.70	Mi	5.10	33.00	-9999.99	-999.99
102-1-2	2.00	67.60	Mi	1.80	11.00	-9999.99	-999.99
102-1-3	4.00	77.00	Mi	0.10	13.00	-9999.99	-999.99
102-1-5	7.00	62.40	Mi	0.60	14.00	-9999.99	-999.99
102-1-6	8.00	64.50	Mi	0.40	14.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
102-10-1	307.00	-99.99	M, Mi	-99.99	21.00	-9999.99	-999.99
102-10-2	308.00	70.20	M, Mi	1.00	18.00	-9999.99	-999.99
102-10-3	309.00	75.80	M, Mi	1.10	13.00	-9999.99	-999.99
102-10-4	311.00	68.60	M, Mi	1.30	14.00	-9999.99	-999.99
102-10-5	312.00	75.80	M, Mi	1.10	9.00	-9999.99	-999.99
102-10-6	314.00	-99.99	M, Mi	-99.99	10.00	-9999.99	-999.99
102-11-1	353.00	-99.99	M	-99.99	17.00	-9999.99	-999.99
102-11-2	354.00	69.60	M	0.50	20.00	-9999.99	-999.99
102-11-3	357.00	-99.99	M	-99.99	19.00	-9999.99	-999.99
102-12-1	419.00	-99.99	M, Mi	-99.99	21.00	-9999.99	-999.99
102-12-2	421.00	70.80	M, Mi	0.80	22.00	-9999.99	-999.99
102-12-3	422.00	64.10	M, Mi	0.50	23.00	-9999.99	-999.99
102-12-4	424.00	-99.99	M, Mi	-99.99	18.00	-9999.99	-999.99
102-13-1	473.00	-99.99	M	-99.99	19.00	-9999.99	-999.99
102-13-2	475.00	71.50	M	0.40	17.00	-9999.99	-999.99
102-13-3	477.00	66.50	M	0.30	14.00	-9999.99	-999.99
102-13-4	478.00	-99.99	M	-99.99	13.00	-9999.99	-999.99
102-14-1	512.00	-99.99		-99.99	20.00	-9999.99	-999.99
102-15-1	549.00	-99.99		-99.99	21.00	-9999.99	-999.99
102-16-1	584.00	-99.99		-99.99	13.00	-9999.99	-999.99
102-17-1	618.00	-99.99		-99.99	14.00	-9999.99	-999.99
102-18-1	635.00	-99.99		-99.99	11.00	-9999.99	-999.99
102-18-2	636.00	77.20		0.30	13.00	-9999.99	-999.99
102-18-3	637.00	72.10		0.10	17.00	-9999.99	-999.99
102-18-4	639.00	-99.99		-99.99	17.00	-9999.99	-999.99
102-19-1	660.00	-99.99	Mi, M	-99.99	13.00	-9999.99	-999.99
102-2-1	19.00	71.70	Mi, M	1.05	17.00	-9999.99	-999.99
102-2-2	20.00	-99.99	Mi, M	-99.99	10.00	-9999.99	-999.99
102-2-3	21.00	-99.99	Mi, M	-99.99	8.00	-9999.99	-999.99
102-2-4	23.00	75.60	Mi, M	0.10	8.00	-9999.99	-999.99
102-2-5	24.00	72.90	Mi, M	0.30	7.00	-9999.99	-999.99
102-2-6	26.00	-99.99	Mi, M	-99.99	12.00	-9999.99	-999.99
102-3-1	59.00	-99.99	Mi, M	-99.99	35.00	-9999.99	-999.99
102-3-2	60.00	-99.99	Mi, M	-99.99	16.00	-9999.99	-999.99
102-4-3	99.00	78.10	Mi, M	0.20	9.00	-9999.99	-999.99
102-4-4	101.00	-99.99	Mi, M	-99.99	5.00	-9999.99	-999.99
102-5-1	133.00	-99.99	Mi, M	-99.99	-99.99	-9999.99	-999.99
102-5-2	135.00	74.20	Mi, M	0.50	11.00	-9999.99	-999.99
102-5-3	136.00	78.10	Mi, M	0.70	12.00	-9999.99	-999.99
102-5-4	138.00	78.40	Mi, M	1.50	20.00	-9999.99	-999.99
102-5-5	139.00	78.10	Mi, M	3.20	27.00	-9999.99	-999.99
102-5-6	141.00	-99.99	Mi, M	-99.99	26.00	-9999.99	-999.99
102-6-1	172.00	-99.99	Mi, M	-99.99	37.00	-9999.99	-999.99
102-6-2	174.00	61.60	Mi, M	0.80	44.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
102-6-4	177.00	75.40	Mi,M	1.80	31.00	-9999.99	-999.99
102-6-5	178.00	69.70	Mi,M	0.40	27.00	-9999.99	-999.99
102-6-6	180.00	68.50	Mi,M	0.30	10.00	-9999.99	-999.99
102-7-1	181.00	65.30	Mi,M	0.90	16.00	-9999.99	-999.99
102-7-2	183.00	-99.99	Mi,M	-99.99	18.00	-9999.99	-999.99
102-7-3	184.00	64.50	Mi,M	0.30	10.00	-9999.99	-999.99
102-7-4	186.00	64.10	Mi,M	0.30	41.00	-9999.99	-999.99
102-7-5	187.00	74.90	Mi,M	1.40	22.00	-9999.99	-999.99
102-7-6	189.00	-99.99	Mi,M	-99.99	9.00	-9999.99	-999.99
102-8-1	219.00	-99.99	Mi,M	-99.99	15.00	-9999.99	-999.99
102-8-2	221.00	-99.99	Mi,M	-99.99	14.00	-9999.99	-999.99
102-8-3	223.00	71.20	Mi,M	0.60	18.00	-9999.99	-999.99
102-8-4	224.00	69.60	Mi,M	0.70	13.00	-9999.99	-999.99
102-8-5	225.00	-99.99	Mi,M	-99.99	12.00	-9999.99	-999.99
102-8-6	227.00	-99.99	Mi,M	-99.99	18.00	-9999.99	-999.99
102-9-1	267.00	-99.99	Mi,M	-99.99	20.00	-9999.99	-999.99
102-9-2	268.00	70.90	Mi,M	1.50	36.00	-9999.99	-999.99
102-9-3	269.00	71.60	Mi,M	1.30	25.00	-9999.99	-999.99
102-9-4	271.00	73.30	Mi,M	1.50	33.00	-9999.99	-999.99
102-9-5	272.00	72.60	Mi,M	1.10	31.00	-9999.99	-999.99
103-1-1	1.00	47.00	M,Mi	19.70	35.00	-9999.99	-999.99
103-1-2	2.00	60.30	M,Mi	5.20	33.00	-9999.99	-999.99
103-1-3	4.00	48.10	M,Mi	5.90	18.00	-9999.99	-999.99
103-1-4	5.00	64.00	M,Mi	1.60	11.00	-9999.99	-999.99
103-1-5	7.00	72.70	M	0.70	10.00	-9999.99	-999.99
103-1-6	8.00	62.80	M	1.80	23.00	-9999.99	-999.99
103-2-1	40.00	73.90	M,Mi	1.20	17.00	-9999.99	-999.99
103-2-2	41.00	78.10	M,Mi	0.40	16.00	-9999.99	-999.99
103-2-3	43.00	77.00	M,Mi	0.60	18.00	-9999.99	-999.99
103-2-4	44.00	70.70	M,Mi	1.00	8.00	-9999.99	-999.99
103-2-5	46.00	71.80	M,Mi	0.90	4.00	-9999.99	-999.99
103-3-1	94.00	72.40	M,Mi	0.20	4.00	-9999.99	-999.99
103-3-2	96.00	64.30	M,Mi	0.30	3.00	-9999.99	-999.99
103-3-3	97.00	64.60	M,Mi	0.20	3.00	-9999.99	-999.99
103-3-4	99.00	69.50	M,Mi	0.10	5.00	-9999.99	-999.99
103-3-5	100.00	66.90	M,Mi	0.20	4.00	-9999.99	-999.99
103-3-6	102.00	63.00	M,Mi	0.10	4.00	-9999.99	-999.99
103-4-2	172.00	64.10	M,Mi	0.40	7.00	-9999.99	-999.99
103-4-3	173.00	62.70	M,Mi	0.60	12.00	-9999.99	-999.99
103-4-4	175.00	64.00	M,Mi	0.60	4.00	-9999.99	-999.99
103-4-5	176.00	60.30	M,Mi	0.80	8.00	-9999.99	-999.99
103-5-1	248.00	74.70	M,Mi	0.90	36.00	-9999.99	-999.99
103-5-3	250.00	70.10	M,Mi	0.30	18.00	-9999.99	-999.99
104-1-4	5.00	53.30	M,Mi	4.50	33.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
104-1-5	7.00	51.50	M,Mi	0.60	3.00	-9999.99	-999.99
104-1-6	8.00	20.10	M,Mi	0.00	4.00	-9999.99	-999.99
104-2-1	37.00	56.30	M,Mi	0.90	9.00	-9999.99	-999.99
104-2-2	38.00	63.30	M,Mi	0.60	9.00	-9999.99	-999.99
104-2-3	39.00	66.40	M,Mi	1.10	11.00	-9999.99	-999.99
104-2-4	41.00	60.20	M,Mi	1.10	15.00	-9999.99	-999.99
104-2-5	42.00	68.80	M,Mi	1.00	16.00	-9999.99	-999.99
104-2-6	44.00	70.50	M,Mi	1.20	14.00	-9999.99	-999.99
104-3-1	62.00	94.70	M,Mi	0.00	13.00	-9999.99	-999.99
104-3-2	64.00	95.50	M,Mi	0.00	10.00	-9999.99	-999.99
104-3-3	65.00	95.90	M,Mi	0.00	9.00	-9999.99	-999.99
104-3-4	67.00	94.80	M,Mi	0.00	11.00	-9999.99	-999.99
104-3-6	70.00	94.00	M,Mi	0.00	9.00	-9999.99	-999.99
104-4-1	133.00	96.70	Mi,M	0.00	14.50	-9999.99	-999.99
104-4-3	136.00	95.50	Mi,M	0.00	5.00	-9999.99	-999.99
104-4-4	138.00	94.80	Mi,M	0.00	8.00	-9999.99	-999.99
104-4-5	139.00	95.90	Mi,M	0.00	7.00	-9999.99	-999.99
104-4-6	140.00	-99.99	Mi,M	-99.99	7.00	-9999.99	-999.99
104-6-1	219.00	95.10	M,Mi	0.00	13.00	-9999.99	-999.99
104-6-2	221.00	95.90	M,Mi	0.00	12.00	-9999.99	-999.99
104-6-3	222.00	94.50	M,Mi	0.00	12.00	-9999.99	-999.99
104-6-4	224.00	95.20	M,Mi	0.00	15.00	-9999.99	-999.99
104-6-5	225.00	95.40	M,Mi	0.00	15.00	-9999.99	-999.99
104-7-1	306.00	64.70	M,Mi	0.10	16.00	-9999.99	-999.99
104-7-2	308.00	64.20	M,Mi	0.10	18.00	-9999.99	-999.99
104-7-3	309.00	69.20	M,Mi	0.10	22.00	-9999.99	-999.99
104-7-4	311.00	62.90	M,Mi	0.10	26.00	-9999.99	-999.99
104-8-1	402.00	-99.99	M,Mi	-99.99	17.00	-9999.99	-999.99
104-8-2	403.00	62.90	M,Mi	0.10	22.00	-9999.99	-999.99
104-8-3	404.00	62.30	M,Mi	0.00	14.00	-9999.99	-999.99
104-8-4	406.00	64.50	M,Mi	0.10	22.00	-9999.99	-999.99
104-8-5	407.00	64.20	M,Mi	0.10	27.00	-9999.99	-999.99
105-10-1	296.00	73.70	M	0.00	0.50	-9999.99	-999.99
105-10-2	297.00	77.50	M	0.00	0.50	-9999.99	-999.99
105-11-1	305.00	74.70	M	0.00	1.00	-9999.99	-999.99
105-11-2	306.00	72.40	M	0.10	18.00	-9999.99	-999.99
105-11-3	308.00	62.10	M	0.10	41.00	-9999.99	-999.99
105-11-4	309.00	59.30	M	0.20	34.00	-9999.99	-999.99
105-11-5	311.00	58.30	M	0.50	2.00	-9999.99	-999.99
105-12-1	314.00	62.60	M	1.10	19.00	-9999.99	-999.99
105-12-2	315.00	62.20	M	0.60	22.00	-9999.99	-999.99
105-12-3	317.00	57.60	M	0.00	27.00	-9999.99	-999.99
105-12-4	318.00	52.50	M	1.80	1.00	-9999.99	-999.99
105-14-1	349.00	57.40	M	0.60	0.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
105-15-1	367.00	60.70	M	1.00	2.00	-9999.99	-999.99
105-15-2	368.00	64.90	M	1.00	0.00	-9999.99	-999.99
105-15-3	370.00	-99.99	M	-99.99	0.50	-9999.99	-999.99
105-15-4	371.00	62.90	M	0.60	0.50	-9999.99	-999.99
105-15-5	373.00	62.20	M	0.90	0.50	-9999.99	-999.99
105-15-6	374.00	64.70	M	2.00	1.00	-9999.99	-999.99
105-16-1	386.00	63.30	M	0.50	1.00	-9999.99	-999.99
105-16-2	387.00	53.80	M	0.20	0.00	-9999.99	-999.99
105-2-1	32.00	38.30	Mi,M	1.50	24.00	-9999.99	-999.99
105-2-2	33.00	73.60	Mi,M	0.60	25.00	-9999.99	-999.99
105-2-3	35.00	38.20	Mi,M	13.90	27.00	-9999.99	-999.99
105-3-1	92.00	77.50	M,Mi	0.00	5.00	-9999.99	-999.99
105-3-2	93.00	78.30	M,Mi	0.00	6.00	-9999.99	-999.99
105-3-3	95.00	79.60	M,Mi	0.00	16.00	-9999.99	-999.99
105-3-4	96.00	78.80	M,Mi	0.00	11.00	-9999.99	-999.99
105-4-1	185.00	58.00	M	0.20	1.00	-9999.99	-999.99
105-4-2	186.00	62.80	M	0.50	1.00	-9999.99	-999.99
105-4-3	188.00	63.90	M	0.80	2.00	-9999.99	-999.99
105-4-4	189.00	59.50	M	1.00	1.00	-9999.99	-999.99
105-4-5	191.00	70.00	M	0.00	1.00	-9999.99	-999.99
105-4-6	192.00	65.80	M	0.20	1.00	-9999.99	-999.99
105-5-1	242.00	78.00	M,Mi	2.10	0.50	-9999.99	-999.99
105-5-2	243.00	79.20	M,Mi	1.90	0.00	-9999.99	-999.99
105-5-3	245.00	69.80	M,Mi	0.20	0.00	-9999.99	-999.99
105-6-1	251.00	67.60	M,Mi	0.30	0.00	-9999.99	-999.99
105-6-2	252.00	83.00	M,Mi	0.10	0.00	-9999.99	-999.99
105-7-6	267.00	74.30	M,Mi	0.10	0.00	-9999.99	-999.99
105-8-1	269.00	70.70	Mi,M	6.40	0.00	-9999.99	-999.99
105-8-2	270.00	53.45	Mi,M	0.45	0.00	-9999.99	-999.99
105-8-3	272.00	80.50	Mi,M	0.00	0.00	-9999.99	-999.99
105-8-4	273.00	79.70	Mi,M	0.00	0.50	-9999.99	-999.99
105-9-1	287.00	67.70	M	3.60	0.00	-9999.99	-999.99
105-9-2	288.00	82.20	M	0.00	0.00	-9999.99	-999.99
105-9-3	290.00	86.80	M	0.00	0.00	-9999.99	-999.99
105-9-4	291.00	40.50	M	0.10	4.00	-9999.99	-999.99
105-9-5	293.00	38.50	M	0.10	2.00	-9999.99	-999.99
105-9-6	294.00	82.80	M	0.10	0.00	-9999.99	-999.99
106-5-1	264.00	-99.99	Mi,M	-99.99	11.00	-9999.99	-999.99
106-5-2	265.00	55.80	Mi,M	1.60	37.00	-9999.99	-999.99
106-5-3	267.00	-99.99	Mi,M	-99.99	16.00	-9999.99	-999.99
106-6-1	340.00	-99.99	Mi,M	-99.99	13.00	-9999.99	-999.99
106-6-6	227.00	94.80	M,Mi	0.00	17.00	-9999.99	-999.99
106B-1-1	367.00	-99.99	M,Mi	-99.99	6.00	-9999.99	-999.99
106B-1-2	368.00	71.30	M,Mi	0.50	12.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
106B-1-3	370.00	-99.99	M,Mi	-99.99	14.00	-9999.99	-999.99
106B-2-1	452.00	-99.99	M,Mi	-99.99	11.00	-9999.99	-999.99
106B-2-2	453.00	64.80	M,Mi	0.30	3.00	-9999.99	-999.99
106B-2-3	455.00	75.90	M,Mi	0.20	10.00	-9999.99	-999.99
106B-2-4	456.00	-99.99	M,Mi	-99.99	10.00	-9999.99	-999.99
106B-3-1	554.00	-99.99	M	-99.99	9.50	-9999.99	-999.99
106B-3-2	555.00	80.10	M	0.10	9.00	-9999.99	-999.99
106B-3-3	557.00	82.00	M	0.10	3.00	-9999.99	-999.99
106B-3-4	558.00	78.30	M	0.30	11.00	-9999.99	-999.99
106B-3-5	560.00	83.20	M	0.10	3.00	-9999.99	-999.99
106B-3-6	561.00	-99.99	M	-99.99	4.00	-9999.99	-999.99
106B-4-1	755.00	-99.99	M	-99.99	2.00	-9999.99	-999.99
106B-4-2	756.00	72.20	M	0.10	0.60	-9999.99	-999.99
106B-4-3	758.00	74.10	M	0.20	4.00	-9999.99	-999.99
106B-4-4	759.00	-99.99	M	-99.99	3.00	-9999.99	-999.99
106B-5-1	936.00	-99.99	M	-99.99	3.00	-9999.99	-999.99
106B-5-2	937.00	65.80	M	0.10	1.00	-9999.99	-999.99
106B-5-3	939.00	60.70	M	0.10	6.00	-9999.99	-999.99
106B-5-4	940.00	56.00	M	0.30	4.00	-9999.99	-999.99
106B-5-5	942.00	52.90	M	0.60	3.00	-9999.99	-999.99
106B-5-6	943.00	-99.99	M	-99.99	3.00	-9999.99	-999.99
106B-6-1	955.00	-99.99	M	-99.99	0.50	-9999.99	-999.99
106B-6-2	956.00	60.40	M	0.10	0.00	-9999.99	-999.99
106B-6-3	958.00	-99.99	M	-99.99	0.50	-9999.99	-999.99
183-11-2	101.50	-99.99		-99.99	0.00	-9999.99	-999.99
183-11-4	104.10	-99.99		-99.99	0.00	-9999.99	-999.99
183-12-2	120.10	-99.99		-99.99	0.00	-9999.99	-999.99
183-12-4	123.40	-99.99		-99.99	0.00	-9999.99	-999.99
183-13-4	132.10	-99.99		-99.99	0.00	-9999.99	-999.99
183-17-6	171.80	42.20		12.00	-99.99	-9999.99	-999.99
183-18	178.00	-99.99		-99.99	-99.99	-9999.99	-999.99
183-19	187.50	-99.99		-99.99	-99.99	-9999.99	-999.99
183-21	205.50	-99.99		-99.99	0.00	-9999.99	-999.99
183-22	215.00	-99.99		-99.99	-99.99	-9999.99	-999.99
183-23-2	222.70	44.30		0.00	0.00	-9999.99	-999.99
183-26-2	249.30	36.70		0.00	-99.99	-9999.99	-999.99
183-27	262.00	-99.99		-99.99	0.00	-9999.99	-999.99
183-6-2	42.10	-99.99		-99.99	1.00	-9999.99	-999.99
183-6-4	45.40	-99.99		-99.99	0.00	-9999.99	-999.99
183-7-2	51.10	-99.99		-99.99	0.00	-9999.99	-999.99
183-7-4	54.25	-99.99		-99.99	0.00	-9999.99	-999.99
183-9-4	73.33	58.90		5.90	-99.99	-9999.99	-999.99
184-12-3	336.50	52.90	M	8.60	0.00	-9999.99	-999.99
185-20-2	664.00	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
185-20-3	666.00	-99.99		-99.99	-99.99	-9999.99	-999.99
185-20-4	667.00	-99.99		-99.99	-99.99	-9999.99	-999.99
185-20-6	670.00	-99.99		-99.99	-99.99	-9999.99	-999.99
185-21-1	672.00	-99.99		-99.99	-99.99	-9999.99	-999.99
185-21-2	673.00	-99.99		-99.99	-99.99	-9999.99	-999.99
185-21-3	675.00	-99.99		-99.99	-99.99	-9999.99	-999.99
185-23-1	684.00	-99.99		-99.99	-99.99	-9999.99	-999.99
185-23-2	685.00	-99.99		-99.99	-99.99	-9999.99	-999.99
186-19-4	454.10	50.10	ML	5.50	1.00	-9999.99	-999.99
186-3-3	14.40	49.40		4.10	-99.99	-9999.99	-999.99
186-8	137.50	-99.99	ML	-99.99	1.00	-9999.99	-999.99
189-10-1	537.60	-99.99	Pl,C	-99.99	14.00	-9999.99	-999.99
189-3	49.50	-99.99		-99.99	-99.99	-9999.99	-999.99
189-4-4	88.25	-99.99		-99.99	1.00	-9999.99	-999.99
189-5-4	152.40	-99.99		-99.99	0.00	-9999.99	-999.99
189-6-2	213.70	64.10	C	1.20	8.80	-9999.99	-999.99
189-7	300.50	-99.99	C	-99.99	8.30	-9999.99	-999.99
190-10-2	152.00	-99.99		-99.99	0.00	-9999.99	-999.99
190-11-2	199.00	-99.99		-99.99	1.00	-9999.99	-999.99
190-11-4	202.00	-99.99		-99.99	1.00	-9999.99	-999.99
190-12-2	227.00	-99.99	Mi,Q	-99.99	1.00	-9999.99	-999.99
190-12-4	230.00	-99.99	Mi,Q	-99.99	1.00	-9999.99	-999.99
190-13-3	332.00	-99.99	Q,Mi	-99.99	0.00	-9999.99	-999.99
190-14-5	428.00	-99.99	Pl,Q	-99.99	0.00	-9999.99	-999.99
190-4-2	26.00	-99.99		-99.99	0.50	-9999.99	-999.99
190-5-2	35.00	-99.99		-99.99	1.00	-9999.99	-999.99
190-6-2	45.00	-99.99		-99.99	1.00	-9999.99	-999.99
190-7-2	77.00	-99.99	M,Mi	-99.99	1.00	-9999.99	-999.99
190-8-4	89.00	-99.99		-99.99	1.00	-9999.99	-999.99
190-9-2	114.00	-99.99	Q,Mi	-99.99	0.00	-9999.99	-999.99
191-5-2	136.40	64.40		4.20	1.00	-9999.99	-999.99
191-5-4	139.70	55.40		6.40	1.00	-9999.99	-999.99
191-6-2	173.90	40.50		0.40	0.50	-9999.99	-999.99
191B-1-3	4.22	59.00		4.20	-99.99	-9999.99	-999.99
192-1-1	0.90	40.90		7.75	8.00	-9999.99	-999.99
192-2-3	5.00	-99.99		-99.99	-99.99	-9999.99	-999.99
192-3-2	12.00	40.80		10.10	-99.99	-9999.99	-999.99
192-4-2	20.80	41.60		7.70	1.00	-9999.99	-999.99
192-5-2	30.50	47.60		6.00	0.00	-9999.99	-999.99
192-6-2	56.90	65.00		2.90	1.00	-9999.99	-999.99
192-7	78.50	-99.99		-99.99	-99.99	-9999.99	-999.99
192-8	96.50	-99.99		-99.99	0.00	-9999.99	-999.99
192-9-3	124.60	64.40		1.40	0.00	-9999.99	-999.99
192-9-4	126.00	-99.99		-99.99	0.00	-9999.99	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
212-18-1	317.55	-99.99	M,P	-99.99	0.00	1593.00	-999.99
212-18-3	320.73	-99.99	M,P	-99.99	0.00	1704.00	-999.99
212-2-4	14.42	65.60	M,K,Q	0.00	0.00	1470.00	-999.99
212-28-1	412.20	-99.99	M,K,Mi	-99.99	0.00	1619.00	-999.99
212-38-2	508.80	-99.99	M,P	-99.99	0.00	1634.00	-999.99
217-1-2	2.50	-99.99	Mi,M,Q	-99.99	-99.99	-9999.99	-999.99
217-1-4	5.50	-99.99	Mi,M,Q	-99.99	-99.99	-9999.99	-999.99
217-2-2	11.50	-99.99	M,Mi,Q	-99.99	-99.99	-9999.99	-999.99
217-2-5	16.50	-99.99	M,Mi,Q	-99.99	-99.99	-9999.99	-999.99
217-3-2	21.50	-99.99		-99.99	-99.99	-9999.99	-999.99
217-3-4	24.50	-99.99		-99.99	-99.99	-9999.99	-999.99
217-4-2	29.50	-99.99	M,Mi,K	-99.99	-99.99	-9999.99	-999.99
217-4-4	33.00	-99.99	M,Mi,K	-99.99	-99.99	-9999.99	-999.99
217-6-4	122.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-1-2	2.00	40.70	Q,P1	0.90	19.70	-9999.99	-999.99
225-13-4	81.50	-99.99	P1,Q	-99.99	54.30	-9999.99	-999.99
225-13-4/5	84.00	46.30	P1,Q	10.70	55.00	-9999.99	-999.99
225-13-6	86.00	38.80	P1,Q	13.50	54.30	-9999.99	-999.99
225-14-1	87.50	49.30	Q,P1	2.00	69.30	-9999.99	-999.99
225-14-2	90.00	49.30	P1,Q	3.00	43.10	-9999.99	-999.99
225-14-4	93.50	-99.99	P1,Q	-99.99	64.60	-9999.99	-999.99
225-15-2	97.00	41.60	M	0.30	38.70	-9999.99	-999.99
225-16-2	106.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-16-3	108.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-17-2	115.00	47.10		0.20	62.50	-9999.99	-999.99
225-17-3	117.00	-99.99		-99.99	62.50	-9999.99	-999.99
225-17-4	120.00	-99.99		-99.99	62.50	-9999.99	-999.99
225-18-1	123.00	58.50		0.40	82.60	-9999.99	-999.99
225-18-2/3	126.50	-99.99		-99.99	82.60	-9999.99	-999.99
225-19-1	133.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-19-3	135.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-19-4	138.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-20-1/2	142.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-21-2	146.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-21-3	153.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-22-3	162.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-22-5	165.00	-99.99	P1,Q	-99.99	24.50	-9999.99	-999.99
225-23-1	170.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-23-2	169.00	-99.99		-99.99	-99.99	-9999.99	-999.99
225-3-2	20.00	50.30	P1,Q	4.80	25.50	-9999.99	-999.99
225-4-1	23.00	50.10	Q,P1	4.90	33.75	-9999.99	-999.99
227-13-1	91.00	63.60	M	1.90	32.90	-9999.99	-999.99
227-16-1	114.00	37.50	M,P	2.70	62.10	-9999.99	-999.99
227-16-2	115.00	62.60	M,P	2.90	62.10	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
227-18-2	134.00	56.90	M,Mi,K	0.40	31.60	-9999.99	-999.99
227-20-2	150.00	66.20	M,K	0.80	29.20	-9999.99	-999.99
227-20-3	152.50	50.50	M,K	1.80	29.20	-9999.99	-999.99
227-20-5	156.00	62.60	M,K	0.00	29.20	-9999.99	-999.99
227-22-4	172.00	43.80	M	1.40	28.00	-9999.99	-999.99
227-24-6	184.50	59.20		0.10	-99.99	-9999.99	-999.99
227-25-2	187.00	50.60	M	6.60	56.20	-9999.99	-999.99
228-16-2	126.00	-99.99	Mi,M	-99.99	-99.99	-9999.99	-999.99
228-28-4	232.50	43.10	Mi,M	7.40	16.30	-9999.99	-999.99
228-4-5	30.80	40.60		9.10	-99.99	-9999.99	-999.99
228-7-6	58.90	35.10		6.30	-99.99	-9999.99	-999.99
234-1	4.75	68.85	M,P	5.90	45.00	-9999.99	-999.99
234-10	166.25	90.70	M	0.00	7.00	-9999.99	-999.99
234-11	175.75	-99.99		-99.99	-99.99	-9999.99	-999.99
234-12	185.25	-99.99		-99.99	-99.99	-9999.99	-999.99
234-13	194.75	-99.99		-99.99	-99.99	-9999.99	-999.99
234-14	204.25	-99.99		-99.99	-99.99	-9999.99	-999.99
234-15	242.25	94.00	M	0.00	0.00	-9999.99	-999.99
234-2	14.25	-99.99		-99.99	-99.99	-9999.99	-999.99
234-3	23.75	-99.99		-99.99	-99.99	-9999.99	-999.99
234-4	33.25	-99.99		-99.99	-99.99	-9999.99	-999.99
234-6	80.75	92.70	M,P	0.00	2.00	-9999.99	-999.99
234-7	118.75	-99.99		-99.99	-99.99	-9999.99	-999.99
234-8	128.25	-99.99		-99.99	-99.99	-9999.99	-999.99
234-9	156.75	90.70		0.00	28.00	-9999.99	-999.99
235-10	223.25	86.20	M	0.00	23.00	-9999.99	-999.99
235-11	270.75	83.70	M,P	0.00	45.00	-9999.99	-999.99
235-12	318.25	-99.99		-99.99	-99.99	-9999.99	-999.99
235-13	372.75	-99.99		-99.99	-99.99	-9999.99	-999.99
235-14	432.25	-99.99		-99.99	-99.99	-9999.99	-999.99
235-15	498.75	-99.99		-99.99	-99.99	-9999.99	-999.99
235-16	584.25	-99.99		-99.99	-99.99	-9999.99	-999.99
235-5	71.25	67.80	P,M	0.30	52.50	-9999.99	-999.99
235-7	118.75	-99.99		-99.99	-99.99	-9999.99	-999.99
235-9	175.75	-99.99		-99.99	-99.99	-9999.99	-999.99
238-12-1	388.45	-99.99	M	-99.99	0.00	-9999.99	-999.99
322-1-1	76.50	-99.99		-99.99	-99.99	-9999.99	-999.99
322-1-2	79.83	-99.99	M	-99.99	0.00	1555.00	-999.99
322-10-0	485.00	-99.99		-99.99	-99.99	-9999.99	-999.99
322-10-1	485.98	72.40	M,Mi	0.00	0.00	1835.00	-999.99
322-11-4	509.64	-99.99	M	-99.99	0.00	2200.00	-999.99
322-11-5	511.03	-99.99	M	-99.99	0.00	1910.00	-999.99
322-11-6	511.85	-99.99	M	-99.99	0.00	1820.00	-999.99
322-2-2	193.10	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
322-3-1	295.54	-99.99	M	-99.99	0.00	1665.00	-999.99
322-4-2	354.30	-99.99	M	-99.99	0.00	1835.00	-999.99
322-5-1	391.35	-99.99	M	-99.99	0.00	1740.00	-999.99
322-6-1	438.35	-99.99		-99.99	-99.99	1875.00	-999.99
322-9-CC	469.11	-99.99	M	-99.99	0.00	1950.00	-999.99
327A-14-1	147.77	-99.99		-99.99	-99.99	1579.00	-999.99
327A-14-2	148.80	-99.99		-99.99	-99.99	1588.00	-999.99
327A-14-3	150.67	-99.99		-99.99	-99.99	1579.00	-999.99
327A-14-4	152.18	-99.99	M	-99.99	-99.99	1600.00	-999.99
327A-14-5	153.05	-99.99		-99.99	-99.99	1592.00	-999.99
327A-14-6	155.00	-99.99	M	-99.99	5.00	1663.00	-999.99
327A-15-2	177.60	-99.99	M	-99.99	39.00	1645.00	-999.99
327A-16-1	185.35	-99.99		-99.99	-99.99	1606.00	-999.99
327A-16-2	186.90	-99.99		-99.99	-99.99	1646.00	-999.99
327A-16-3	188.05	-99.99	M	-99.99	18.00	1697.00	-999.99
327A-16-4	189.95	-99.99		-99.99	-99.99	1612.00	-999.99
327A-16-5	191.60	-99.99	M	-99.99	41.00	1559.00	-999.99
327A-16-6	192.76	-99.99		-99.99	-99.99	1706.00	-999.99
327A-17-2	215.80	-99.99		-99.99	-99.99	1607.00	-999.99
327A-18-1	223.80	-99.99		-99.99	-99.99	1779.00	-999.99
327A-18-2	225.30	-99.99		-99.99	-99.99	1725.00	-999.99
327A-18-3	226.58	-99.99		-99.99	-99.99	1814.00	-999.99
327A-18-4	228.30	-99.99		-99.99	38.00	1823.00	-999.99
327A-18-5	229.80	-99.99		-99.99	-99.99	1777.00	-999.99
327A-18-6	231.32	-99.99		-99.99	-99.99	1872.00	-999.99
327A-19-1	251.88	-99.99		-99.99	-99.99	1740.00	-999.99
327A-19-2	253.15	-99.99	M, Mi, Q	-99.99	43.00	1748.00	-999.99
327A-2-1	14.48	-99.99		-99.99	-99.99	1579.00	-999.99
327A-2-2	16.22	-99.99		-99.99	-99.99	1565.00	-999.99
327A-2-3	17.49	-99.99	M	-99.99	0.00	1847.00	-999.99
327A-2-4	18.50	-99.99	M	-99.99	0.00	1568.00	-999.99
327A-2-5	20.25	-99.99		-99.99	-99.99	1575.00	-999.99
327A-20-1	280.69	-99.99		-99.99	-99.99	1860.00	-999.99
327A-20-2	281.77	-99.99	M	-99.99	57.00	1819.00	-999.99
327A-21-2	310.44	-99.99		-99.99	-99.99	1876.00	-999.99
327A-21-3	312.20	-99.99		-99.99	39.00	1926.00	-999.99
327A-21-4	313.47	-99.99	M, Q	-99.99	60.40	1847.00	-999.99
327A-22-1	337.62	-99.99		-99.99	19.00	2133.00	-999.99
327A-22-2	338.60	-99.99		-99.99	19.00	2598.00	-999.99
327A-22-3	340.40	-99.99		-99.99	7.00	2373.00	-999.99
327A-23-1	366.00	-99.99	M, Q, Mi	-99.99	1.00	2283.00	-999.99
327A-23-2	367.70	-99.99		-99.99	-99.99	2310.00	-999.99
327A-23-7	374.00	-99.99		-99.99	-99.99	2169.00	-999.99
327A-24-2	395.70	-99.99		-99.99	-99.99	1959.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
327A-25-2	424.97	-99.99	M,Mi,P	-99.99	75.80	2337.00	-999.99
327A-25-3	426.48	-99.99	M,Mi	-99.99	37.00	2015.00	-999.99
327A-26-1	451.62	-99.99	Mi,M	-99.99	2.00	1875.00	-999.99
327A-26-2	453.34	-99.99		-99.99	-99.99	1854.00	-999.99
327A-27-1	460.70	-99.99	M,Mi	-99.99	78.40	3067.00	-999.99
327A-3-2	25.60	-99.99	M	-99.99	1.00	-9999.99	-999.99
327A-5-5	49.70	-99.99	M	-99.99	21.10	1537.00	-999.99
327A-6-4	57.10	-99.99	M	-99.99	3.00	1538.00	-999.99
327A-7-1	62.10	-99.99	Mi,Q	-99.99	0.00	-9999.99	-999.99
327A-8-3	74.50	-99.99	M	-99.99	0.00	1524.00	-999.99
327A-8-5	77.50	-99.99		-99.99	-99.99	-9999.99	-999.99
327A-9-5	87.50	-99.99	ML	-99.99	3.00	-9999.99	-999.99
327A-9-6	88.60	-99.99	ML	-99.99	0.00	1527.00	-999.99
328-1-1	1.16	-99.99		-99.99	-99.99	1615.00	-999.99
328-1-2	2.45	-99.99	ML	-99.99	-99.99	1557.00	-999.99
328-1-3	4.10	-99.99		-99.99	-99.99	1534.00	-999.99
328-1-4	5.25	60.10		8.60	-99.99	1509.00	-999.99
328-1-5	7.20	61.70	ML	9.70	-99.99	1534.00	-999.99
328-10-1	330.85	-99.99		-99.99	-99.99	1650.00	-999.99
328-10-7	339.50	-99.99		-99.99	-99.99	1681.00	-999.99
328-11-1	362.05	-99.99		-99.99	0.00	1791.00	-999.99
328-11-3	363.10	-99.99		-99.99	-99.99	1758.00	-999.99
328-11-4	364.30	-99.99	M	-99.99	-99.99	1753.00	-999.99
328-11-5	365.80	-99.99		-99.99	-99.99	1712.00	-999.99
328-11-6	367.30	-99.99	M	-99.99	0.00	1688.00	-999.99
328-12-1	388.30	-99.99	M	-99.99	0.00	1968.00	-999.99
328-12-2	389.17	-99.99	M	-99.99	0.00	1831.00	-999.99
328-12-6	396.15	-99.99		-99.99	-99.99	1782.00	-999.99
328-2-4	13.24	64.00	M,Mi	6.90	-99.99	1539.00	-999.99
328-3-1	17.80	62.10	M,Mi	1.50	0.00	1510.00	-999.99
328-3-2	19.76	67.20	M,Mi	0.70	-99.99	1520.00	-999.99
328-3-3	20.64	74.00	M	1.30	-99.99	1513.00	-999.99
328-3-4	22.00	73.30	M	0.70	-99.99	1520.00	-999.99
328-3-5	23.80	77.30	M	0.50	-99.99	1535.00	-999.99
328-3-6	25.00	75.20	M	0.50	-99.99	1545.00	-999.99
328-4-2	48.00	73.80	M	0.80	-99.99	1502.00	-999.99
328-4-3	49.30	-99.99	M,Mi	-99.99	0.00	-9999.99	-999.99
328-4-4	50.18	-99.99	M	-99.99	-99.99	1520.00	-999.99
328-5-2	95.00	-99.99		-99.99	-99.99	1509.00	-999.99
328-5-3	96.37	79.80	M	0.10	3.00	1501.00	-999.99
328-6-1	141.32	-99.99		-99.99	-99.99	1539.00	-999.99
328-6-2	142.80	80.10	M	0.00	0.00	1540.00	-999.99
328-6-3	144.00	-99.99		-99.99	-99.99	1525.00	-999.99
328-7-4	193.87	92.50	M	0.00	0.00	1545.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
328-8-3	239.65	-99.99		-99.99	-99.99	-9999.99	-999.99
328-9-7	292.30	-99.99	M	-99.99	-99.99	1582.00	-999.99
328B-1-2	9.68	52.65		8.75	-99.99	1537.00	-999.99
328B-1-3	11.51	56.65		6.40	-99.99	1539.00	-999.99
328B-1-4	12.94	55.85		6.00	-99.99	1545.00	-999.99
328B-1-5	14.22	63.95		2.95	-99.99	1520.00	-999.99
328B-1-6	15.63	63.60		2.35	-99.99	1532.00	-999.99
328B-2-1	17.68	64.55		0.85	-99.99	1522.00	-999.99
328B-2-2	19.52	70.00		1.90	-99.99	1527.00	-999.99
328B-2-3	21.43	71.55		0.75	-99.99	1544.00	-999.99
328B-2-4	22.67	73.70		1.40	-99.99	1536.00	-999.99
328B-2-5	24.18	75.20		0.45	-99.99	1554.00	-999.99
328B-2-6	25.60	75.40		0.80	-99.99	1553.00	-999.99
328B-3-1	27.90	74.70		0.80	-99.99	1544.00	-999.99
328B-3-2	29.18	74.60		0.75	-99.99	1551.00	-999.99
328B-3-3	30.75	73.90		0.60	-99.99	1532.00	-999.99
328B-3-4	32.16	69.70		0.75	-99.99	1534.00	-999.99
328B-3-5	33.40	68.85		1.50	-99.99	1521.00	-999.99
328B-3-6	35.28	76.50		0.65	-99.99	1944.00	-999.99
328B-4-1	36.88	76.50		0.30	-99.99	1508.00	-999.99
328B-4-2	38.83	-99.99		-99.99	-99.99	1508.00	-999.99
328B-4-4	41.18	-99.99		-99.99	-99.99	1521.00	-999.99
328B-4-5	42.98	-99.99		-99.99	-99.99	1527.00	-999.99
328B-5-1	46.80	82.80		0.20	-99.99	1514.00	-999.99
328B-5-2	48.16	-99.99		-99.99	-99.99	1508.00	-999.99
328B-5-3	49.70	-99.99	M	-99.99	0.00	1510.00	-999.99
328B-5-4	50.75	-99.99	M	-99.99	0.00	1515.00	-999.99
328B-5-5	52.67	-99.99		-99.99	-99.99	1513.00	-999.99
328B-5-6	53.84	97.50		0.10	-99.99	1517.00	-999.99
328B-6-1	55.81	-99.99		-99.99	-99.99	1517.00	-999.99
328B-6-2	57.28	-99.99		-99.99	-99.99	1509.00	-999.99
328B-6-3	58.68	-99.99		-99.99	-99.99	1503.00	-999.99
328B-6-4	60.28	-99.99		-99.99	-99.99	1503.00	-999.99
328B-6-5	61.75	-99.99		-99.99	-99.99	1506.00	-999.99
328B-6-6	63.21	86.80	M	0.10	0.00	1509.00	-999.99
328B-7-1	435.68	-99.99	M	-99.99	0.00	1745.00	-999.99
328B-7-2	437.58	-99.99		-99.99	-99.99	1749.00	-999.99
328B-7-3	439.67	-99.99		-99.99	0.00	1732.00	-999.99
328B-7-4	441.36	-99.99		-99.99	-99.99	1735.00	-999.99
328B-7-5	441.57	-99.99		-99.99	0.00	1919.00	-999.99
328B-7-6	443.60	94.50	M	0.00	1.00	1819.00	-999.99
328B-7-7	444.50	-99.99		-99.99	-99.99	1801.00	-999.99
328B-8-1	472.27	-99.99		-99.99	-99.99	1936.00	-999.99
330-1-1	130.18	-99.99		-99.99	-99.99	1654.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
330-1-3	133.43	-99.99		-99.99	-99.99	1622.00	-999.99
330-1-4	135.21	-99.99	M	-99.99	19.00	1583.00	-999.99
330-1-6	138.05	-99.99		-99.99	-99.99	1653.00	-999.99
330-1-7	138.50	-99.99		-99.99	-99.99	1614.00	-999.99
330-12-4	466.62	55.50		2.40	0.00	1813.00	-999.99
330-13-2	491.73	40.70		14.80	-99.99	1755.00	-999.99
330-2-2	178.90	-99.99	M	-99.99	41.00	1724.00	-999.99
330-2-7	185.50	-99.99		-99.99	-99.99	2571.00	-999.99
330-2-CC	179.60	-99.99		-99.99	-99.99	-9999.99	-999.99
330-3-1	225.48	-99.99		-99.99	-99.99	2100.00	-999.99
330-3-2	225.76	-99.99		-99.99	0.00	1944.00	-999.99
330-4-2	274.38	-99.99		-99.99	-99.99	1605.00	-999.99
330-5-2	302.60	-99.99	Mi, M	-99.99	5.00	1683.00	-999.99
330-5-CC	304.60	-99.99		-99.99	-99.99	-9999.99	-999.99
330-6-4	314.37	-99.99	M	-99.99	6.00	1717.00	-999.99
330-6-5	316.07	-99.99		-99.99	6.00	1811.00	-999.99
330-6-CC	318.60	-99.99		-99.99	-99.99	-9999.99	-999.99
330-7-4	324.13	-99.99		-99.99	7.00	-9999.99	-999.99
330-7-7	328.00	-99.99		-99.99	-99.99	1696.00	-999.99
367-13-3	373.00	-99.99	M, F	-99.99	-99.99	-9999.99	-999.99
367-16-3	544.00	-99.99	M	-99.99	0.00	-9999.99	-999.99
367-17-3	620.00	-99.99	M	-99.99	0.00	-9999.99	-999.99
367-18-3	640.00	-99.99	M	-99.99	0.00	-9999.99	-999.99
367-19-4	650.00	-99.99	M	-99.99	-99.99	-9999.99	-999.99
367-20-4	695.00	-99.99	M, K	-99.99	-99.99	-9999.99	-999.99
367-21-3	695.00	-99.99	M, K	-99.99	34.00	-9999.99	-999.99
367-21-6	700.00	-99.99	M, K	-99.99	-99.99	1595.00	-999.99
367-22-3	724.00	-99.99	K, M, I	-99.99	-99.99	-9999.99	-999.99
367-24-2	837.00	-99.99	M	-99.99	0.00	-9999.99	-999.99
367-24-3	838.00	-99.99	M	-99.99	0.00	-9999.99	-999.99
367-8-3	306.00	-99.99	M	-99.99	-99.99	1654.00	-999.99
368-10-2	201.00	-99.99	K, I, M	-99.99	13.00	1640.00	-999.99
368-11-3	212.00	-99.99	M	-99.99	13.00	1526.00	-999.99
368-14-3	241.00	-99.99	M, K	-99.99	19.00	1544.00	-999.99
368-15-3	250.00	-99.99	M, K	-99.99	0.00	-9999.99	-999.99
368-17-3	269.00	-99.99	M, K	-99.99	0.00	1584.00	-999.99
368-17-6	274.00	-99.99	M, K	-99.99	0.00	-9999.99	-999.99
368-18-3	279.00	-99.99	K, M	-99.99	0.00	-9999.99	-999.99
368-19-3	289.00	-99.99	F	-99.99	0.00	-9999.99	-999.99
368-22-3	327.00	-99.99	F	-99.99	0.00	1758.00	-999.99
368-22-5	330.00	-99.99	F	-99.99	0.00	1514.00	-999.99
368-25-1	370.00	-99.99	F	-99.99	0.00	-9999.99	-999.99
368-28-1	395.00	-99.99	F	-99.99	1.80	-9999.99	-999.99
368-31-3	431.00	-99.99	F	-99.99	0.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
368-32-3	440.00	-99.99	P	-99.99	0.00	-9999.99	-999.99
368-34-2	468.00	-99.99	P	-99.99	0.00	-9999.99	-999.99
368-36-3	516.00	-99.99	P	-99.99	0.00	-9999.99	-999.99
368-37-5	537.00	-99.99	P	-99.99	0.00	1427.00	-999.99
368-38-3	564.00	-99.99	P	-99.99	0.00	-9999.99	-999.99
368-39-3	573.00	-99.99	P	-99.99	0.00	1637.00	-999.99
368-41-3	593.00	-99.99	P	-99.99	0.00	-9999.99	-999.99
368-42-3	597.00	-99.99	P	-99.99	0.00	1631.00	-999.99
368-43-4	613.00	-99.99	P	-99.99	0.00	-9999.99	-999.99
368-44-3	621.00	-99.99	P	-99.99	0.00	-9999.99	-999.99
368-45-3	630.00	-99.99	P	-99.99	0.00	1745.00	-999.99
368-46-3	641.00	-99.99	P,M	-99.99	0.00	1536.00	-999.99
368-47-3	650.00	-99.99	M	-99.99	0.00	-9999.99	-999.99
368-50-3	706.00	-99.99		-99.99	-99.99	-9999.99	-999.99
368-51-3	715.00	-99.99	M	-99.99	0.00	-9999.99	-999.99
368-52-4	727.00	-99.99	M	-99.99	0.00	-9999.99	-999.99
368-53-3	754.00	-99.99	M,P	-99.99	0.00	1767.00	-999.99
368-54-4	803.00	-99.99	M	-99.99	0.00	-9999.99	-999.99
368-55-5	841.00	-99.99		-99.99	-99.99	2124.00	-999.99
368-57-4	898.00	-99.99	M	-99.99	0.00	-9999.99	-999.99
368-58-3	974.00	-99.99	M,K	-99.99	0.00	-9999.99	-999.99
368-60-4	954.00	-99.99	I	-99.99	0.00	3055.00	-999.99
368-63-3	979.00	-99.99	M,I	-99.99	10.00	-9999.99	-999.99
370-1-3	4.00	-99.99	I,C	-99.99	43.50	-9999.99	-999.99
370-10-2	504.00	-99.99	M,P	-99.99	15.00	2557.00	-999.99
370-13-2	552.00	-99.99	P,M	-99.99	13.00	2141.00	-999.99
370-16-2	608.00	-99.99	P	-99.99	3.40	-9999.99	-999.99
370-16-3	610.00	-99.99		-99.99	-99.99	-9999.99	-999.99
370-17-2	618.00	-99.99	P	-99.99	20.00	2065.00	-999.99
370-19-1	655.00	-99.99	M	-99.99	32.00	1942.00	-999.99
370-2-2	105.00	-99.99	I,P,C	-99.99	36.00	1598.00	-999.99
370-21-2	684.00	-99.99	M	-99.99	12.50	-9999.99	-999.99
370-22-3	695.00	-99.99	M	-99.99	10.90	-9999.99	-999.99
370-23-3	705.00	-99.99	M	-99.99	6.40	-9999.99	-999.99
370-24-3	715.00	-99.99	M	-99.99	12.50	-9999.99	-999.99
370-25-2	723.00	-99.99	M	-99.99	3.90	-9999.99	-999.99
370-25-3	734.00	-99.99		-99.99	-99.99	-9999.99	-999.99
370-26-3	753.00	-99.99	M	-99.99	15.50	-9999.99	-999.99
370-28-3	771.50	-99.99	P	-99.99	1.20	3129.00	-999.99
370-3-1	208.00	-99.99	I,P	-99.99	21.00	1574.00	-999.99
370-31-3	828.00	-99.99	I,P	-99.99	0.00	-9999.99	-999.99
370-4-3	220.00	-99.99	I	-99.99	19.50	1652.00	-999.99
370-44-3	1047.00	-99.99	I	-99.99	5.50	2199.00	-999.99
370-45-3	1067.00	-99.99	I	-99.99	2.50	2010.00	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
370-5-3	325.00	-99.99	M,I	-99.99	18.00	1724.00	-999.99
370-6-2	428.00	-99.99	M	-99.99	4.80	2024.00	-999.99
370-8-2	466.00	-99.99	ML	-99.99	15.00	2279.00	-999.99
370-9-3	483.00	-99.99		-99.99	-99.99	2104.00	-999.99
379A-1-3	3.85	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-1-3	3.98	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-13-2	114.01	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-17-1	150.83	-99.99	I,C	-99.99	12.00	-9999.99	-999.99
379A-18-2	161.30	-99.99	C,I	-99.99	13.90	-9999.99	-999.99
379A-19-4	174.15	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-19-6	176.60	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-21-2	189.99	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-29-3	267.44	-99.99	C,I	-99.99	17.60	-9999.99	-999.99
379A-32-3	295.68	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-34-6	320.18	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-35-1	322.18	-99.99	I,C	-99.99	15.90	-9999.99	-999.99
379A-36-4	335.00	-99.99	M,I,C	-99.99	19.60	-9999.99	-999.99
379A-40-6	376.60	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-43-5	393.99	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-45-4	411.49	-99.99	I,C	-99.99	23.80	-9999.99	-999.99
379A-46-2	418.43	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-47-6	434.00	-99.99	I,C	-99.99	18.20	-9999.99	-999.99
379A-49-5	450.92	-99.99	I,C	-99.99	19.90	-9999.99	-999.99
379A-50-5	460.60	-99.99	I,C	-99.99	27.70	-9999.99	-999.99
379A-52-3	476.20	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-53-1	482.88	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-54-6	499.97	-99.99	C,M,I	-99.99	30.50	-9999.99	-999.99
379A-55-2	503.00	-99.99	M,I,C	-99.99	18.30	-9999.99	-999.99
379A-59-5	546.00	-99.99	I,C	-99.99	24.80	-9999.99	-999.99
379A-60-4	553.80	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-62-4	570.00	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-65-2	588.80	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-65-4	592.37	-99.99	I,C,M	-99.99	14.90	-9999.99	-999.99
379A-66-2	598.40	-99.99	I,M,C	-99.99	17.60	-9999.99	-999.99
379A-68-5	621.80	-99.99	C,I,M	-99.99	26.90	-9999.99	-999.99
379A-7-4	59.71	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-8-3	67.84	-99.99		-99.99	-99.99	-9999.99	-999.99
379A-9-2	75.60	-99.99		-99.99	-99.99	-9999.99	-999.99
380-1-4	5.77	-99.99		-99.99	-99.99	-9999.99	-999.99
380-10-1	86.78	-99.99		-99.99	-99.99	-9999.99	-999.99
380-14-1	124.48	-99.99		-99.99	-99.99	-9999.99	-999.99
380-15-6	141.25	-99.99		-99.99	-99.99	-9999.99	-999.99
380-16-1	143.33	-99.99	I	-99.99	5.30	-9999.99	-999.99
380-17-5	158.38	-99.99		-99.99	-99.99	-9999.99	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
380-18-3	165.58	-99.99		-99.99	-99.99	-9999.99	-999.99
380-2-3	12.58	-99.99	I	-99.99	6.20	-9999.99	-999.99
380-20-3	184.43	-99.99		-99.99	-99.99	-9999.99	-999.99
380-21-2	192.27	-99.99		-99.99	-99.99	-9999.99	-999.99
380-22-3	202.88	-99.99		-99.99	-99.99	-9999.99	-999.99
380-23-5	216.73	-99.99		-99.99	-99.99	-9999.99	-999.99
380-24-5	225.33	-99.99	I	-99.99	10.90	-9999.99	-999.99
380-25-3	232.13	-99.99		-99.99	-99.99	-9999.99	-999.99
380-26-4	242.68	-99.99		-99.99	-99.99	-9999.99	-999.99
380-27-2	249.33	-99.99		-99.99	-99.99	-9999.99	-999.99
380-28-1	257.48	-99.99	I	-99.99	12.60	-9999.99	-999.99
380-29-2	268.33	-99.99		-99.99	-99.99	-9999.99	-999.99
380-30-2	278.13	-99.99		-99.99	-99.99	-9999.99	-999.99
380-31-1	285.36	-99.99		-99.99	-99.99	1684.00	-999.99
380-31-2	286.80	-99.99		-99.99	-99.99	1504.00	-999.99
380-32-6	303.58	-99.99		-99.99	-99.99	-9999.99	-999.99
380-33-2	305.58	-99.99		-99.99	-99.99	-9999.99	-999.99
380-35-4	322.98	-99.99		-99.99	-99.99	-9999.99	-999.99
380-36-3	326.53	-99.99		-99.99	-99.99	-9999.99	-999.99
380-37-2	334.38	-99.99		-99.99	-99.99	-9999.99	-999.99
380-38-2	344.93	-99.99	I	-99.99	8.80	-9999.99	-999.99
380-39-3	354.88	-99.99		-99.99	-99.99	-9999.99	-999.99
380-4-5	34.68	-99.99		-99.99	-99.99	-9999.99	-999.99
380-5-2	40.48	-99.99		-99.99	-99.99	-9999.99	-999.99
380-6-4	52.38	-99.99	I	-99.99	6.00	-9999.99	-999.99
380-7-4	61.73	-99.99	I	-99.99	9.80	-9999.99	-999.99
380-8-1	67.22	-99.99		-99.99	-99.99	-9999.99	-999.99
380-9-1	77.43	-99.99	I	-99.99	9.50	-9999.99	-999.99
380A-10-2	420.93	-99.99	I	-99.99	11.30	-9999.99	-999.99
380A-11-5	434.40	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-12-3	440.61	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-13-2	448.70	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-14-2	457.88	-99.99	I	-99.99	20.50	-9999.99	-999.99
380A-15-5	472.30	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-17-6	492.40	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-18-3	497.10	-99.99	I	-99.99	45.40	2086.00	-999.99
380A-18-4	499.78	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-19-6	512.77	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-20-5	519.22	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-21-4	527.97	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-22-6	540.17	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-23-6	549.22	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-25-5	567.50	-99.99		-99.99	-99.99	1567.00	-999.99
380A-26-2	572.62	-99.99	I, M	-99.99	44.20	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
380A-27-5	586.47	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-29-5	599.07	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-30-1	599.17	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
380A-31-4	612.72	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-32-6	625.72	-99.99	I,M	-99.99	61.55	-9999.99	-999.99
380A-33-2	632.87	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-34-4	642.27	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-35-2	647.72	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-36-3	659.17	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-37-4	669.72	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-38-6	683.02	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-39-3	688.12	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-40-3	697.32	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-41-4	709.22	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-42-1	712.78	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-43-2	724.60	-99.99		-99.99	-99.99	1795.00	-999.99
380A-43-3	726.20	-99.99		-99.99	-99.99	1753.00	-999.99
380A-43-4	727.55	-99.99		-99.99	-99.99	1870.00	-999.99
380A-43-5	729.52	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-43-6	731.25	-99.99		-99.99	-99.99	1793.00	-999.99
380A-44-2	734.00	-99.99		-99.99	-99.99	1735.00	-999.99
380A-44-3	734.56	-99.99		-99.99	-99.99	1845.00	-999.99
380A-44-5	738.25	-99.99		-99.99	-99.99	1816.00	-999.99
380A-45-1	741.17	-99.99		-99.99	-99.99	1786.00	-999.99
380A-45-2	743.72	-99.99		-99.99	-99.99	1762.00	-999.99
380A-45-4	746.33	-99.99		-99.99	-99.99	1801.00	-999.99
380A-45-5	747.27	-99.99		-99.99	-99.99	1734.00	-999.99
380A-45-6	749.43	-99.99		-99.99	-99.99	1800.00	-999.99
380A-46-2	753.00	-99.99		-99.99	-99.99	1768.00	-999.99
380A-46-3	754.38	-99.99		-99.99	-99.99	1890.00	-999.99
380A-46-4	755.95	-99.99		-99.99	-99.99	1774.00	-999.99
380A-46-5	757.57	-99.99		-99.99	-99.99	1792.00	-999.99
380A-47-1	760.93	-99.99	I	-99.99	25.30	1847.00	-999.99
380A-47-2	762.34	-99.99		-99.99	-99.99	1863.00	-999.99
380A-47-3	763.08	-99.99		-99.99	-99.99	1726.00	-999.99
380A-47-5	766.97	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-48-5	776.60	-99.99	I	-99.99	60.60	1814.00	-999.99
380A-48-6	778.03	-99.99		-99.99	-99.99	1795.00	-999.99
380A-49-3	782.75	-99.99		-99.99	-99.99	1904.00	-999.99
380A-49-4	784.03	-99.99		-99.99	-99.99	1828.00	-999.99
380A-49-5	784.88	-99.99		-99.99	-99.99	1931.00	-999.99
380A-5-6	378.98	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-50-1	789.37	-99.99		-99.99	-99.99	1945.00	-999.99
380A-50-2	790.67	-99.99		-99.99	-99.99	1872.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
380A-50-3	792.50	-99.99		-99.99	-99.99	1974.00	-999.99
380A-51-2	801.68	-99.99		-99.99	-99.99	1819.00	-999.99
380A-51-3	801.77	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-51-4	803.48	-99.99	I	-99.99	54.50	1885.00	-999.99
380A-51-6	806.43	-99.99		-99.99	-99.99	1979.00	-999.99
380A-52-1	809.33	-99.99		-99.99	-99.99	1915.00	-999.99
380A-52-2	810.03	-99.99		-99.99	-99.99	1959.00	-999.99
380A-52-4	813.85	-99.99		-99.99	-99.99	1920.00	-999.99
380A-52-6	815.50	-99.99		-99.99	-99.99	1953.00	-999.99
380A-53-2	818.60	-99.99		-99.99	-99.99	1938.00	-999.99
380A-53-3	820.67	-99.99		-99.99	-99.99	1909.00	-999.99
380A-53-6	825.82	-99.99		-99.99	-99.99	1881.00	-999.99
380A-54-1	827.46	-99.99	I	-99.99	43.00	1826.00	-999.99
380A-54-2	829.00	-99.99		-99.99	-99.99	1744.00	-999.99
380A-55-1	837.12	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-55-3	839.55	-99.99		-99.99	-99.99	1871.00	-999.99
380A-55-4	841.15	-99.99		-99.99	-99.99	1900.00	-999.99
380A-56-1	845.70	-99.99	I	-99.99	65.00	1840.00	-999.99
380A-56-3	848.92	-99.99		-99.99	-99.99	1717.00	-999.99
380A-56-4	850.50	-99.99		-99.99	-99.99	1995.00	-999.99
380A-57-1	856.00	-99.99		-99.99	-99.99	2017.00	-999.99
380A-57-2	857.50	-99.99		-99.99	-99.99	1908.00	-999.99
380A-57-3	858.77	-99.99		-99.99	-99.99	1839.00	-999.99
380A-57-5	861.32	-99.99		-99.99	-99.99	1919.00	-999.99
380A-58-1	865.05	-99.99		-99.99	-99.99	2108.00	-999.99
380A-58-2	866.74	-99.99		-99.99	-99.99	1980.00	-999.99
380A-6-4	385.03	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-60-1	883.74	-99.99		-99.99	-99.99	1885.00	-999.99
380A-60-2	885.38	-99.99		-99.99	-99.99	1894.00	-999.99
380A-62-2	904.10	-99.99	I	-99.99	0.00	1888.00	-999.99
380A-62-3	906.20	-99.99		-99.99	-99.99	1985.00	-999.99
380A-63-2	914.63	-99.99		-99.99	-99.99	1883.00	-999.99
380A-63-3	915.30	-99.99		-99.99	-99.99	1890.00	-999.99
380A-63-4	917.44	-99.99	I	-99.99	3.40	1971.00	-999.99
380A-64-1	922.20	-99.99		-99.99	-99.99	1974.00	-999.99
380A-64-2	923.05	-99.99		-99.99	-99.99	1955.00	-999.99
380A-64-6	927.90	-99.99		-99.99	-99.99	2496.00	-999.99
380A-65-2	933.68	-99.99		-99.99	-99.99	1958.00	-999.99
380A-65-3	934.70	-99.99	I	-99.99	1.90	1950.00	-999.99
380A-66-1	941.64	-99.99		-99.99	-99.99	2035.00	-999.99
380A-67-2	952.10	-99.99		-99.99	-99.99	2069.00	-999.99
380A-69-2	971.50	-99.99		-99.99	-99.99	2990.00	-999.99
380A-69-3	972.05	-99.99	I	-99.99	3.00	1962.00	-999.99
380A-69-5	975.22	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
380A-7-2	391.28	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-70-2	980.98	-99.99		-99.99	-99.99	1946.00	-999.99
380A-70-3	982.44	-99.99		-99.99	-99.99	1996.00	-999.99
380A-70-4	983.23	-99.99		-99.99	-99.99	1931.00	-999.99
380A-70-5	985.76	-99.99		-99.99	-99.99	2058.00	-999.99
380A-71-2	990.70	-99.99		-99.99	-99.99	1957.00	-999.99
380A-71-3	991.20	-99.99	I	-99.99	9.30	1881.00	-999.99
380A-71-4	992.77	-99.99		-99.99	-99.99	2011.00	-999.99
380A-73-2	1009.35	-99.99	I	-99.99	3.10	1850.00	-999.99
380A-73-3	1010.50	-99.99	I	-99.99	2.30	1988.00	-999.99
380A-73-4	1011.57	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-74-2	1018.33	-99.99		-99.99	-99.99	1801.00	-999.99
380A-74-3	1019.87	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-75-2	1028.20	-99.99		-99.99	-99.99	1919.00	-999.99
380A-76-2	1037.61	-99.99		-99.99	-99.99	1912.00	-999.99
380A-76-3	1038.72	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-76-4	1040.70	-99.99		-99.99	-99.99	1908.00	-999.99
380A-77-2	1047.52	-99.99		-99.99	-99.99	1943.00	-999.99
380A-77-3	1048.60	-99.99		-99.99	-99.99	1915.00	-999.99
380A-79-2	1066.10	-99.99		-99.99	-99.99	1992.00	-999.99
380A-8-6	408.18	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-80-1	1074.17	-99.99		-99.99	-99.99	-9999.99	-999.99
380A-9-4	413.70	-99.99		-99.99	-99.99	-9999.99	-999.99
381-10-6	93.75	-99.99	I, M	-99.99	18.00	-9999.99	-999.99
381-11-2	97.63	-99.99	I, M	-99.99	12.70	-9999.99	-999.99
381-12-3	108.10	-99.99		-99.99	-99.99	-9999.99	-999.99
381-13-3	117.68	-99.99	I, M	-99.99	28.50	-9999.99	-999.99
381-14-2	125.80	-99.99		-99.99	-99.99	-9999.99	-999.99
381-14-6	132.38	-99.99		-99.99	-99.99	-9999.99	-999.99
381-15-5	140.28	-99.99	I	-99.99	22.50	-9999.99	-999.99
381-16-3	146.11	-99.99		-99.99	-99.99	-9999.99	-999.99
381-19-5	178.58	-99.99	M, I	-99.99	22.60	-9999.99	-999.99
381-2-1	10.00	-99.99		-99.99	-99.99	1537.00	-999.99
381-2-2	11.62	-99.99	I	-99.99	4.20	1508.00	-999.99
381-2-3	13.48	-99.99		-99.99	-99.99	-9999.99	-999.99
381-22-3	198.23	-99.99	M, I	-99.99	3.00	-9999.99	-999.99
381-24-2	210.73	-99.99		-99.99	-99.99	-9999.99	-999.99
381-25-5	224.88	-99.99		-99.99	-99.99	-9999.99	-999.99
381-25-6	227.13	-99.99		-99.99	-99.99	-9999.99	-999.99
381-26-4	233.33	-99.99		-99.99	-99.99	-9999.99	-999.99
381-27-2	239.83	-99.99	M, I	-99.99	0.50	-9999.99	-999.99
381-28-4	251.58	-99.99		-99.99	-99.99	-9999.99	-999.99
381-29-3	259.58	-99.99		-99.99	-99.99	-9999.99	-999.99
381-3-1	19.77	-99.99		-99.99	-99.99	1530.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
381-3-4	24.25	-99.99		-99.99	-99.99	-9999.99	-999.99
381-30-3	269.08	-99.99	M, I	-99.99	32.90	-9999.99	-999.99
381-31-4	280.08	-99.99		-99.99	-99.99	-9999.99	-999.99
381-32-3	289.38	-99.99		-99.99	-99.99	-9999.99	-999.99
381-33-4	299.53	-99.99	M, I	-99.99	73.50	-9999.99	-999.99
381-34-3	307.98	-99.99	I	-99.99	69.70	-9999.99	-999.99
381-35-6	321.38	-99.99		-99.99	-99.99	-9999.99	-999.99
381-36-1	323.38	-99.99		-99.99	-99.99	-9999.99	-999.99
381-37-2	334.68	-99.99	I	-99.99	0.50	-9999.99	-999.99
381-4-3	31.88	-99.99		-99.99	-99.99	-9999.99	-999.99
381-48-5	444.43	-99.99	I	-99.99	0.00	-9999.99	-999.99
381-49-5	453.28	-99.99		-99.99	-99.99	-9999.99	-999.99
381-5-5	43.50	-99.99		-99.99	-99.99	-9999.99	-999.99
381-51-6	474.43	-99.99	I	-99.99	0.00	-9999.99	-999.99
381-52-2	477.03	-99.99	I, C	-99.99	0.00	-9999.99	-999.99
381-53-3	488.18	-99.99	I	-99.99	0.00	-9999.99	-999.99
381-54-3	500.33	-99.99		-99.99	-99.99	-9999.99	-999.99
381-6-5	53.58	-99.99		-99.99	-99.99	-9999.99	-999.99
381-7-6	65.20	-99.99		-99.99	-99.99	-9999.99	-999.99
381-8-5	73.63	-99.99	I	-99.99	25.00	-9999.99	-999.99
381-9-6	85.93	-99.99	I, C	-99.99	0.00	-9999.99	-999.99
382-1-2	53.30	-99.99		-99.99	-99.99	-9999.99	-999.99
382-1-4	55.55	-99.99	Mi	-99.99	16.00	1530.00	-999.99
382-1-6	59.25	-99.99		-99.99	-99.99	1520.00	-999.99
382-10-2	299.95	84.90		0.00	-99.99	-9999.99	-999.99
382-11-3	311.20	-99.99	M	-99.99	0.00	1670.00	-999.99
382-11-4	313.50	-99.99		-99.99	-99.99	-9999.99	-999.99
382-11-6	316.80	-99.99		-99.99	-99.99	1670.00	-999.99
382-12-3	321.20	-99.99		-99.99	-99.99	1670.00	-999.99
382-12-6	325.55	-99.99	M	-99.99	0.00	-9999.99	-999.99
382-13-6	335.70	81.30	M	0.00	0.00	1620.00	-999.99
382-14-3	340.05	-99.99	?	-99.99	0.00	-9999.99	-999.99
382-15-2	347.80	-99.99	M	-99.99	0.00	1720.00	-999.99
382-15-4	351.15	-99.99		-99.99	-99.99	-9999.99	-999.99
382-15-5	352.80	94.10	M	0.00	0.00	1660.00	-999.99
382-15-6	354.80	-99.99	M	-99.99	0.00	1640.00	-999.99
382-16-2	358.20	-99.99	M	-99.99	9.00	1670.00	-999.99
382-16-5	362.60	40.90	M	3.20	4.00	1680.00	-999.99
382-16-6	363.60	-99.99	M	-99.99	4.00	1630.00	-999.99
382-16-CC	364.30	-99.99		-99.99	-99.99	1680.00	-999.99
382-17-4	369.30	-99.99	?	-99.99	2.00	1610.00	-999.99
382-17-5	371.15	-99.99		-99.99	-99.99	-9999.99	-999.99
382-17-6	372.50	-99.99	M	-99.99	9.00	1905.00	-999.99
382-18-1	374.60	-99.99	M, Mi	-99.99	24.00	1795.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
382-19-2	385.00	-99.99		-99.99	-99.99	1765.00	-999.99
382-2-3	110.55	-99.99	Mi	-99.99	4.00	1650.00	-999.99
382-20-3	405.95	-99.99	M	-99.99	6.00	1900.00	-999.99
382-21-3	415.40	42.20	M	0.40	1.00	2025.00	-999.99
382-22-2	442.90	-99.99		-99.99	-99.99	2070.00	-999.99
382-22-3	444.80	-99.99	M	-99.99	3.00	1840.00	-999.99
382-23-1	469.60	-99.99	M	-99.99	1.00	2250.00	-999.99
382-3-2	176.00	-99.99	Mi	-99.99	11.00	-9999.99	-999.99
382-4-1	203.30	-99.99	Mi	-99.99	7.00	1610.00	-999.99
382-5-2	232.80	-99.99		-99.99	-99.99	1570.00	-999.99
382-5-3	234.65	-99.99	M, Mi	-99.99	0.00	-9999.99	-999.99
382-5-4	236.00	-99.99	M	-99.99	0.00	1610.00	-999.99
382-6-3	254.70	-99.99	M	-99.99	0.00	1645.00	-999.99
382-6-5	257.30	-99.99		-99.99	-99.99	-9999.99	-999.99
382-6-6	259.30	-99.99	Mi, M	-99.99	0.00	1640.00	-999.99
382-7-2	271.20	-99.99		-99.99	-99.99	1620.00	-999.99
382-7-4	274.65	-99.99		-99.99	-99.99	-9999.99	-999.99
382-7-6	277.20	-99.99	M	-99.99	0.00	1650.00	-999.99
382-8-3	282.50	-99.99	M	-99.99	0.00	1630.00	-999.99
382-8-4	284.30	-99.99		-99.99	-99.99	-9999.99	-999.99
382-8-6	287.20	-99.99		-99.99	-99.99	1655.00	-999.99
382-9-1	185.10	77.90	M	2.80	0.00	1590.00	-999.99
382-9-3	291.80	81.70		0.00	-99.99	1650.00	-999.99
382-9-4	293.45	-99.99		-99.99	-99.99	-9999.99	-999.99
382-9-6	296.10	-99.99	M	-99.99	0.00	1660.00	-999.99
385-1-2	24.00	86.50	M	0.00	0.00	1480.00	-999.99
385-1-4	27.75	77.60	M	2.00	0.00	1490.00	-999.99
385-10-1	194.50	78.30	M	10.90	0.00	1912.00	-999.99
385-11-1	204.15	77.20		0.40	-99.99	1595.00	-999.99
385-12-2	214.70	85.00	Mi, M, K	0.00	28.00	1600.00	-999.99
385-13-4	237.15	-99.99	Mi, K	-99.99	44.00	1600.00	-999.99
385-14-2	253.10	-99.99	M	-99.99	0.00	1650.00	-999.99
385-14-3	255.10	-99.99		-99.99	-99.99	1635.00	-999.99
385-15-1	270.30	-99.99	Mi, M, K	-99.99	0.00	1623.00	-999.99
385-16-2	281.70	-99.99	M	-99.99	0.00	1605.00	-999.99
385-16-3	282.60	-99.99		-99.99	-99.99	1580.00	-999.99
385-19-CC	309.40	-99.99		-99.99	-99.99	2820.00	-999.99
385-2-6	69.45	-99.99		-99.99	-99.99	1500.00	-999.99
385-22-CC	355.00	-99.99		-99.99	-99.99	2740.00	-999.99
385-3-3	102.55	-99.99		-99.99	-99.99	1510.00	-999.99
385-3-6	107.25	-99.99		-99.99	-99.99	1510.00	-999.99
385-5-1	147.50	-99.99		-99.99	-99.99	1535.00	-999.99
385-5-3	150.40	-99.99		-99.99	-99.99	1550.00	-999.99
385-8-1	175.90	-99.99	M	-99.99	0.00	1550.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
385-8-5	181.70	79.30		2.50	0.00	1540.00	-999.99
386-1-6	60.90	-99.99	M	-99.99	0.00	1550.00	-999.99
386-11-2	254.25	-99.99		-99.99	19.00	1700.00	-999.99
386-12-3	284.15	-99.99	M	-99.99	15.00	1745.00	-999.99
386-13-2	311.70	-99.99		-99.99	-99.99	1755.00	-999.99
386-14-5	335.60	-99.99		-99.99	-99.99	1710.00	-999.99
386-15-5	353.70	70.20	M	0.30	26.00	1715.00	-999.99
386-16-3	369.70	-99.99	M	-99.99	18.00	1693.00	-999.99
386-17-4	390.75	-99.99	M	-99.99	13.00	1703.00	-999.99
386-18-4	410.10	-99.99		-99.99	-99.99	1980.00	-999.99
386-18-6	412.20	-99.99		-99.99	-99.99	2250.00	-999.99
386-19-2	416.30	60.90	M	0.00	23.00	2700.00	-999.99
386-2-5	107.50	-99.99	M	-99.99	0.00	1505.00	-999.99
386-20-2	425.10	-99.99	M	-99.99	26.00	2140.00	-999.99
386-21-6	440.40	-99.99		-99.99	-99.99	2010.00	-999.99
386-22-1	443.40	-99.99	M	-99.99	12.00	2358.00	-999.99
386-23-6	460.15	-99.99		-99.99	-99.99	2178.00	-999.99
386-24-4	466.45	-99.99	M	-99.99	49.00	2175.00	-999.99
386-26-2	482.25	-99.99	M	-99.99	24.00	1960.00	-999.99
386-27-2	491.70	-99.99	M	-99.99	7.00	1813.00	-999.99
386-28-4	505.30	-99.99		-99.99	-99.99	1880.00	-999.99
386-3-1	139.40	92.20	M	0.20	6.00	1560.00	-999.99
386-31-6	546.25	-99.99	M	-99.99	16.00	1953.00	-999.99
386-32-5	563.10	81.00	M	0.10	12.00	1955.00	-999.99
386-33-2	577.15	-99.99	M	-99.99	27.00	2295.00	-999.99
386-34-2	606.30	-99.99	M	-99.99	12.00	1840.00	-999.99
386-35-5	639.20	-99.99	Mi	-99.99	0.00	1765.00	-999.99
386-36-4	647.40	-99.99		-99.99	-99.99	1925.00	-999.99
386-38-2	691.15	-99.99		-99.99	-99.99	1920.00	-999.99
386-39-4	704.05	-99.99		-99.99	-99.99	1918.00	-999.99
386-4-4	152.80	-99.99		-99.99	32.00	1585.00	-999.99
386-4-5	153.80	-99.99	M, Mi	-99.99	63.00	-9999.99	-999.99
386-41-5	724.15	-99.99	M	-99.99	0.00	2155.00	-999.99
386-42-5	734.20	-99.99		-99.99	-99.99	2033.00	-999.99
386-43-3	740.20	-99.99		-99.99	-99.99	1985.00	-999.99
386-44-3	749.55	-99.99		-99.99	12.00	2233.00	-999.99
386-45-5	772.40	-99.99	M	-99.99	0.00	2010.00	-999.99
386-46-5	781.80	-99.99	M	-99.99	0.00	1948.00	-999.99
386-47-5	790.75	-99.99	M	-99.99	41.00	1898.00	-999.99
386-49-4	808.20	-99.99		-99.99	33.00	1955.00	-999.99
386-5-2	159.05	49.20	Mi, C, M	0.10	0.00	-9999.99	-999.99
386-5-3	160.10	-99.99		-99.99	-99.99	1565.00	-999.99
386-5-4	161.50	-99.99	M	-99.99	0.00	1575.00	-999.99
386-50-5	819.55	-99.99	M	-99.99	57.00	1913.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
386-52-6	839.20	-99.99	M	-99.99	33.00	2190.00	-999.99
386-53-4	846.40	-99.99	M, Mi	-99.99	2.00	1935.00	-999.99
386-55-5	866.65	-99.99		-99.99	-99.99	1915.00	-999.99
386-56-4	873.90	-99.99	Mi	-99.99	16.00	1920.00	-999.99
386-58-4	893.50	-99.99		-99.99	-99.99	1920.00	-999.99
386-59-5	904.00	-99.99	Mi	-99.99	32.00	1900.00	-999.99
386-6-3	169.40	43.20	M, Mi	0.10	19.00	1530.00	-999.99
386-6-4	171.20	-99.99		-99.99	-99.99	1900.00	-999.99
386-61-4	922.10	-99.99	Mi	-99.99	0.00	2275.00	-999.99
386-63-4	941.00	-99.99	Mi	-99.99	0.00	1835.00	-999.99
386-64-4	950.70	-99.99		-99.99	1.00	2045.00	-999.99
386-65-3	958.80	-99.99		-99.99	-99.99	2145.00	-999.99
386-7-3	180.20	-99.99		-99.99	-99.99	1890.00	-999.99
386-8-1	186.60	-99.99	M	-99.99	15.00	1610.00	-999.99
386-8-2	187.35	-99.99	M, Mi	-99.99	0.00	-9999.99	-999.99
387-1-5	38.49	-99.99		-99.99	-99.99	-9999.99	-999.99
387-1-6	40.45	-99.99		-99.99	-99.99	1530.00	-999.99
387-12-1	223.50	-99.99	M	-99.99	0.00	1808.00	-999.99
387-13-2	234.80	-99.99		-99.99	-99.99	2170.00	-999.99
387-14-2	243.10	-99.99	?	-99.99	7.00	2595.00	-999.99
387-16-3	263.30	-99.99		-99.99	-99.99	1950.00	-999.99
387-17-2	271.60	-99.99		-99.99	-99.99	2285.00	-999.99
387-18-1	289.80	-99.99	M	-99.99	0.00	2035.00	-999.99
387-19-2	309.85	-99.99	?	-99.99	3.00	2368.00	-999.99
387-2-5	105.33	-99.99	M	-99.99	0.00	1570.00	-999.99
387-20-2	328.55	-99.99	M	-99.99	7.00	1970.00	-999.99
387-21-2	348.60	-99.99	M	-99.99	9.00	2125.00	-999.99
387-22-2	357.20	-99.99	M	-99.99	20.00	2030.00	-999.99
387-23-1	375.20	-99.99	M	-99.99	30.00	2090.00	-999.99
387-23-5	381.20	-99.99	M	-99.99	0.00	1800.00	-999.99
387-24-1	394.60	-99.99	M	-99.99	9.00	1750.00	-999.99
387-25-2	405.15	-99.99		-99.99	-99.99	1938.00	-999.99
387-26-2	414.45	-99.99		-99.99	0.00	1743.00	-999.99
387-29-2	471.35	81.20	Mi, M	0.10	34.00	2073.00	-999.99
387-3-2	139.45	-99.99		-99.99	0.00	1540.00	-999.99
387-30-1	489.73	-99.99	M, Mi	-99.99	15.00	2295.00	-999.99
387-31-1	508.70	-99.99	M	-99.99	0.00	1905.00	-999.99
387-32-3	521.90	-99.99		-99.99	-99.99	1985.00	-999.99
387-32-4	522.30	-99.99	M	-99.99	0.00	1890.00	-999.99
387-33-2	528.40	-99.99	M	-99.99	0.00	1990.00	-999.99
387-34-2	538.50	-99.99	M	-99.99	0.00	2063.00	-999.99
387-35-3	549.70	-99.99		-99.99	1.00	2133.00	-999.99
387-36-3	559.60	-99.99	M, Mi	-99.99	5.00	1800.00	-999.99
387-37-3	577.95	-99.99	Mi, M	-99.99	0.00	1843.00	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
387-4-1	147.10	-99.99	M	-99.99	1.00	1555.00	-999.99
387-6-3	169.15	68.10	M	9.50	1.00	1625.00	-999.99
387-7-2	177.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
387-8-2	187.10	-99.99	M	-99.99	21.00	1595.00	-999.99
387-9-5	200.85	-99.99		-99.99	-99.99	-9999.99	-999.99
387-9-6	202.00	-99.99	M	-99.99	19.00	1650.00	-999.99
387-9-8	202.40	-99.99		-99.99	-99.99	1595.00	-999.99
388A-1-1	0.99	61.95		4.40	2.00	-9999.99	-999.99
388A-10-1	323.40	-99.99	Q	-99.99	1.00	1645.00	-999.99
388A-11-2	334.10	76.40	Q	2.10	1.00	1465.00	-999.99
388A-11-5	338.44	-99.99		-99.99	1.00	1530.00	-999.99
388A-2-2	39.20	69.60	Q	1.00	28.00	1490.00	-999.99
388A-2-3	40.80	74.70	Q, Mi	1.10	24.00	1610.00	-999.99
388A-4-1	208.97	74.80		0.00	0.00	-9999.99	-999.99
388A-5-1	246.80	-99.99	Q	-99.99	0.00	-9999.99	-999.99
388A-5-2	248.70	69.20		0.90	1.00	1557.00	-999.99
388A-5-4	251.88	66.60		0.10	1.00	1580.00	-999.99
388A-5-5	252.80	-99.99		-99.99	1.00	-9999.99	-999.99
388A-5-6	254.93	69.70	Q	0.90	1.00	1543.00	-999.99
388A-6-1	285.37	-99.99		-99.99	-99.99	1990.00	-999.99
388A-6-2	286.51	74.90	Q	0.20	2.00	-9999.99	-999.99
388A-7-2	295.39	78.80	Q	0.50	3.00	-9999.99	-999.99
388A-7-3	296.88	71.60	Q	0.10	2.00	-9999.99	-999.99
388A-8-1	303.69	84.20	Q	0.10	1.00	1930.00	-999.99
388A-9-1	312.72	73.40		0.10	3.00	-9999.99	-999.99
388A-9-3	315.20	77.70	Q	0.30	1.00	1490.00	-999.99
388A-9-4	317.70	79.90	Q, Mi	0.10	4.00	1515.00	-999.99
388A-9-5	319.42	-99.99	Q	-99.99	0.00	1610.00	-999.99
388A-9-6	321.14	-99.99		-99.99	-99.99	-9999.99	-999.99
391A-1-2	88.60	77.50	Q, P1	0.10	13.00	1490.00	-999.99
391A-1-6	94.20	77.00	Q	0.10	4.00	1520.00	-999.99
391A-13-1	526.16	-99.99	P	-99.99	25.00	1715.00	-999.99
391A-16-1	555.22	76.40		0.80	0.00	1770.00	-999.99
391A-16-2	556.45	-99.99	Q	-99.99	0.00	1700.00	-999.99
391A-17-4	574.25	-99.99		-99.99	26.00	1750.00	-999.99
391A-20-1	640.83	-99.99	M, Q	-99.99	0.00	1690.00	-999.99
391A-20-2	642.24	-99.99	Q	-99.99	0.00	1750.00	-999.99
391A-20-3	643.56	-99.99		-99.99	-99.99	1690.00	-999.99
391A-21-1	649.96	74.30	Q, Mi	0.10	0.00	-9999.99	-999.99
391A-21-3	653.03	82.30	Q, Mi	0.00	0.00	-9999.99	-999.99
391A-21-5	655.91	66.40	Q	1.00	0.00	-9999.99	-999.99
391A-7-1	326.50	73.90	Q	0.30	15.00	1660.00	-999.99
391A-7-4	330.85	82.80	Q	0.40	1.00	-9999.99	-999.99
391A-7-5	332.38	76.20	Q	0.10	20.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
391A-8-1	336.41	83.40	Q	0.30	7.00	-9999.99	-999.99
391B-1-2	2.60	77.30	Mi,Q	0.60	16.00	1470.00	-999.99
391B-1-4	5.40	76.50	Q,Mi	0.10	10.00	1480.00	-999.99
391B-1-6	8.30	65.10	Q,Pl	0.20	11.00	1470.00	-999.99
391C-10-1	897.21	62.50		0.00	0.00	-9999.99	-999.99
391C-10-2	897.74	77.90	Q,Mi	0.00	0.00	-9999.99	-999.99
391C-10-3	899.74	76.90	Q	0.00	0.00	-9999.99	-999.99
391C-11-1	924.92	70.00		0.50	67.00	1910.00	-999.99
391C-11-2	926.91	-99.99		-99.99	55.50	2315.00	-999.99
391C-12-6	961.58	84.50		0.00	-99.99	-9999.99	-999.99
391C-14-3	1004.71	76.00		0.00	-99.99	-9999.99	-999.99
391C-21-4	1091.49	78.90	Mi,Q	0.40	35.00	2325.00	-999.99
391C-25-3	1137.46	82.80		0.40	-99.99	-9999.99	-999.99
391C-28-3	1165.55	-99.99		-99.99	-99.99	2845.00	-999.99
391C-30-4	1186.67	-99.99	Q	-99.99	48.00	-9999.99	-999.99
391C-42-5	1301.20	-99.99		-99.99	-99.99	3350.00	-999.99
391C-46-1	1334.37	-99.99	Q	-99.99	45.00	-9999.99	-999.99
391C-47-1	1343.07	-99.99	Q	-99.99	61.00	2930.00	-999.99
391C-5-1	678.67	51.10	Q	0.10	0.00	-9999.99	-999.99
391C-50-1	1371.84	-99.99	Q	-99.99	36.00	3300.00	-999.99
391C-51-2	1382.87	-99.99	Q	-99.99	38.00	2945.00	-999.99
391C-52-2	1392.46	-99.99	Q,M,Mi	-99.99	22.00	2475.00	-999.99
391C-52-3	1393.72	-99.99		-99.99	-99.99	2935.00	-999.99
391C-52-4	1395.36	-99.99	M,Q,Mi	-99.99	40.00	2900.00	-999.99
391C-6-2	689.92	56.20		0.10	0.00	-9999.99	-999.99
391C-6-4	692.94	55.20	Q	0.70	1.00	-9999.99	-999.99
391C-6-6	695.94	67.10		0.00	1.00	-9999.99	-999.99
391C-7-2	726.56	63.80	Q,M,Mi	0.00	1.00	-9999.99	-999.99
391C-8-1	783.20	70.50		0.10	0.00	-9999.99	-999.99
391C-9-1	839.60	79.00	Q	0.00	0.00	2315.00	-999.99
391C-9-2	841.29	-99.99		-99.99	0.00	-9999.99	-999.99
397-87	826.00	-99.99	M	3.54	-99.99	2330.00	-999.99
397-88	835.50	-99.99		7.50	-99.99	2498.00	-999.99
397-89	845.00	-99.99		9.80	-99.99	2060.00	-999.99
397-90	854.50	-99.99	M	13.70	-99.99	2130.00	-999.99
397-92	873.50	-99.99	M	11.00	-99.99	-9999.99	-999.99
397A-1	733.50	-99.99		15.30	-99.99	2237.00	-999.99
397A-10	1015.75	-99.99		6.00	-99.99	1940.00	-999.99
397A-11	1025.25	-99.99	M	4.85	-99.99	2455.00	-999.99
397A-12	1034.75	-99.99	M	0.26	-99.99	1670.00	-999.99
397A-13	1044.25	-99.99	M	1.50	-99.99	1970.00	-999.99
397A-14	1053.75	-99.99	M	-99.99	-99.99	1770.00	-999.99
397A-15	1063.25	-99.99	M	1.08	-99.99	2790.00	-999.99
397A-16	1072.75	-99.99		-99.99	-99.99	2310.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
397A-17	1082.25	-99.99	M	-99.99	-99.99	1920.00	-999.99
397A-18	1091.75	-99.99	M	16.00	-99.99	2040.00	-999.99
397A-2	822.00	73.00		0.00	-99.99	2530.00	-999.99
397A-22	1144.00	-99.99	M	16.00	-99.99	1960.00	-999.99
397A-23	1163.00	-99.99	M	6.80	-99.99	2180.00	-999.99
397A-24	1182.00	-99.99		17.80	-99.99	1760.00	-999.99
397A-26	1220.00	-99.99		-99.99	-99.99	2000.00	-999.99
397A-27	1234.25	-99.99		-99.99	-99.99	3030.00	-999.99
397A-28	1243.75	-99.99		5.10	-99.99	2090.00	-999.99
397A-29	1253.25	-99.99		-99.99	-99.99	2300.00	-999.99
397A-3	899.50	45.00		15.00	-99.99	2010.00	-999.99
397A-30	1262.75	-99.99		4.90	-99.99	2070.00	-999.99
397A-33	1291.25	-99.99	I	2.60	-99.99	2450.00	-999.99
397A-34	1300.75	-99.99	I	-99.99	-99.99	1890.00	-999.99
397A-35	1308.25	53.00	I	1.00	-99.99	1807.00	-999.99
397A-36	1313.00	-99.99	I	-99.99	-99.99	2527.00	-999.99
397A-39	1338.75	-99.99	I	-99.99	-99.99	4795.00	-999.99
397A-4	925.00	48.00	M	17.00	-99.99	2790.00	-999.99
397A-41	1357.75	-99.99	I	-99.99	-99.99	1750.00	-999.99
397A-42	1367.25	-99.99	I	-99.99	-99.99	1740.00	-999.99
397A-43	1376.75	-99.99		-99.99	-99.99	-9999.99	-999.99
397A-44	1383.00	-99.99	I	-99.99	-99.99	3550.00	-999.99
397A-45	1387.75	-99.99	I	-99.99	-99.99	-9999.99	-999.99
397A-46	1395.75	-99.99	I	-99.99	-99.99	1790.00	-999.99
397A-47	1405.25	-99.99	I	-99.99	-99.99	1980.00	-999.99
397A-48	1414.75	-99.99	I	-99.99	-99.99	3100.00	-999.99
397A-49	1424.25	-99.99	I	-99.99	-99.99	-9999.99	-999.99
397A-50	1433.75	-99.99	I	-99.99	-99.99	4810.00	-999.99
397A-51	1443.25	-99.99	I	-99.99	-99.99	2080.00	-999.99
397A-52	1450.50	-99.99	I	-99.99	-99.99	1995.00	-999.99
397A-9	1006.25	-99.99		0.70	-99.99	-9999.99	-999.99
415A-1-CC	349.10	-99.99		-99.99	-99.99	2468.00	-999.99
415A-11-2	796.66	-99.99		-99.99	-99.99	2024.00	-999.99
415A-13-1	957.39	-99.99	M	9.10	56.80	-9999.99	-999.99
415A-14-1	1032.16	-99.99	M	0.20	34.40	2340.00	-999.99
415A-5-1	443.34	-99.99	M	1.20	2.50	2123.00	-999.99
415A-8-1	576.11	-99.99	M	-99.99	-99.99	1613.00	-999.99
415A-8-2	578.42	-99.99	M	-99.99	-99.99	1741.00	-999.99
416A-4-1	602.05	-99.99		-99.99	-99.99	2065.00	-999.99
416A-5-1	754.30	-99.99	F	0.30	9.50	1717.00	-999.99
416A-6-1	891.23	-99.99	I	0.90	2.40	1827.00	-999.99
416A-6-2	892.68	-99.99		-99.99	-99.99	1832.00	-999.99
416A-6-3	894.16	-99.99	I	1.10	2.40	1837.00	-999.99
417A-1-1	0.70	-99.99	I,M	-99.99	36.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
417A-1-3	3.80	-99.99	I,M	-99.99	1.00	-9999.99	-999.99
417A-1-5	6.80	-99.99	M,I	-99.99	0.00	-9999.99	-999.99
417A-10-3	87.90	-99.99	M,I,K	-99.99	1.00	1540.00	-999.99
417A-11-1	94.40	94.80	M,K	1.00	1.00	-9999.99	-999.99
417A-11-3	97.80	94.10	K,M	1.50	1.00	-9999.99	-999.99
417A-11-5	100.60	93.90	M	0.90	0.00	-9999.99	-999.99
417A-12-1	104.00	95.70	M	0.70	2.00	-9999.99	-999.99
417A-12-3	106.80	-99.99	M	-99.99	0.00	1540.00	-999.99
417A-13-3	116.30	98.60	M	0.10	0.00	-9999.99	-999.99
417A-13-5	119.80	-99.99	M	-99.99	0.00	-9999.99	-999.99
417A-14-2	124.50	83.50	M	2.40	0.00	-9999.99	-999.99
417A-15-1	132.20	86.50	M	2.10	0.00	-9999.99	-999.99
417A-15-3	135.30	-99.99	M	-99.99	0.00	-9999.99	-999.99
417A-16-3	145.20	-99.99	M	-99.99	0.00	-9999.99	-999.99
417A-16-5	148.10	-99.99	M	-99.99	0.00	-9999.99	-999.99
417A-18-3	164.60	-99.99	M,I,K	-99.99	0.00	1550.00	-999.99
417A-19-3	173.20	-99.99	M,K,I	-99.99	0.00	1590.00	-999.99
417A-2-1	9.20	92.50	M,I	0.00	0.00	-9999.99	-999.99
417A-2-3	12.70	-99.99	M,I	-99.99	0.00	1500.00	-999.99
417A-20-1	179.80	74.30	M,I,K	0.00	0.00	-9999.99	-999.99
417A-20-5	186.20	-99.99	M,I,K	-99.99	0.00	-9999.99	-999.99
417A-21-1	190.00	74.60	M,I	0.20	0.00	-9999.99	-999.99
417A-3-1	18.40	94.00	M,I	0.00	0.00	-9999.99	-999.99
417A-3-3	21.30	-99.99	M,I	-99.99	0.00	-9999.99	-999.99
417A-3-5	24.30	-99.99	M,I	-99.99	0.00	-9999.99	-999.99
417A-5-1	37.20	92.70	M,I	0.00	0.00	-9999.99	-999.99
417A-6-1	47.00	93.60	M,K,I	0.10	0.00	-9999.99	-999.99
417A-6-3	49.60	-99.99	M,K,I	-99.99	0.00	1490.00	-999.99
417A-6-4	51.40	-99.99	M,K,I	-99.99	0.00	-9999.99	-999.99
417A-6-5	53.10	-99.99	M,K,I	-99.99	0.00	-9999.99	-999.99
417A-8-1	66.40	-99.99	M,K	-99.99	0.00	-9999.99	-999.99
417A-8-3	69.00	-99.99	M,K	-99.99	0.00	1510.00	-999.99
417A-9-1	75.70	96.10	M,K,I	0.20	0.00	-9999.99	-999.99
417A-9-3	78.40	-99.99	M	-99.99	0.00	1520.00	-999.99
417A-9-5	81.20	-99.99	M,K,I	-99.99	0.00	-9999.99	-999.99
417D-1-3	3.50	90.50		0.00	8.00	-9999.99	-999.99
417D-10-1	230.60	84.70	M,I	0.60	0.00	-9999.99	-999.99
417D-10-3	233.30	-99.99	M	-99.99	0.00	-9999.99	-999.99
417D-11-1	239.70	-99.99		-99.99	0.00	1710.00	-999.99
417D-12-3	251.80	-99.99	M	-99.99	0.00	-9999.99	-999.99
417D-13-1	258.25	-99.99	M	-99.99	0.00	1660.00	-999.99
417D-14-1	268.10	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
417D-14-3	272.10	-99.99	M,I	-99.99	0.00	-9999.99	-999.99
417D-14-5	273.90	-99.99	M,I	-99.99	0.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
417D-15-1	278.00	-99.99	M	-99.99	0.00	1610.00	-999.99
417D-15-2	279.20	-99.99	M	-99.99	0.00	1890.00	-999.99
417D-16-1	287.85	-99.99	M	-99.99	2.00	1660.00	-999.99
417D-17	301.10	-99.99	I,M	-99.99	22.00	1660.00	-999.99
417D-18-1	306.50	-99.99	M,P	-99.99	0.00	1730.00	-999.99
417D-19-1	316.15	-99.99	K	-99.99	17.50	2015.00	-999.99
417D-20-2	326.70	-99.99	ML	-99.99	31.00	2130.00	-999.99
417D-7	206.30	-99.99	M	-99.99	-99.99	1600.00	-999.99
417D-8	215.80	-99.99	M	-99.99	-99.99	1660.00	-999.99
417D-9-1	221.00	69.90	M,I	0.40	0.00	1610.00	-999.99
418A-13-2	303.00	72.35	ML	3.65	3.50	1630.00	-999.99
418A-2-1	121.60	91.50	M,I,K	0.70	0.00	1540.00	-999.99
418A-3-2	132.60	94.90	M,K,I	1.50	2.00	1510.00	-999.99
418A-3-6	138.50	94.70	M	2.10	2.00	1570.00	-999.99
418A-4-5	146.10	95.90	M,K,I	0.90	1.00	1580.00	-999.99
418A-5-4	154.50	94.90	M	0.00	0.00	1580.00	-999.99
418A-6-1	159.25	87.00	M	1.60	0.00	1610.00	-999.99
418A-7-4	172.75	81.90	M	0.00	0.00	1610.00	-999.99
418A-7-5	175.00	78.80	P	0.00	0.00	1610.00	-999.99
418B-10-2	84.70	92.30	M	1.00	1.00	1470.00	-999.99
418B-11-2	94.10	96.60	M	0.00	0.00	1508.00	-999.99
418B-11-4	97.00	97.40	M	0.00	0.00	1500.00	-999.99
418B-12-4	106.50	91.40		3.00	1.00	-9999.99	-999.99
418B-13-1	111.40	96.60	M	0.00	0.00	1580.00	-999.99
418B-15-2	131.60	94.30	M,K,I	1.20	1.00	1495.00	-999.99
418B-16-1	139.60	96.50	M	0.00	0.00	-9999.99	-999.99
418B-17-2	150.60	95.30	M	0.00	0.00	-9999.99	-999.99
418B-18	162.95	-99.99	M	-99.99	-99.99	1560.00	-999.99
418B-19-1	168.20	64.90	I	2.50	0.00	1465.00	-999.99
418B-2-1	7.30	93.20	I,M,K	0.00	0.00	1670.00	-999.99
418B-20-2	179.20	91.60	M,I,K	0.00	0.00	-9999.99	-999.99
418B-21-1	187.20	90.60	M	0.00	0.00	1485.00	-999.99
418B-22-2	198.90	69.20	M,K,I	0.40	-99.99	1700.00	-999.99
418B-23-1	206.50	91.30	M,I,K	0.20	0.00	1760.00	-999.99
418B-24-1	215.80	82.00		1.10	0.00	1685.00	-999.99
418B-25-2	226.90	90.80	M,I,K	0.00	0.00	-9999.99	-999.99
418B-26	239.20	-99.99	M	-99.99	-99.99	1685.00	-999.99
418B-27-1	244.50	-99.99	M	-99.99	26.00	1683.00	-999.99
418B-28-2	255.40	62.50		0.10	37.00	-9999.99	-999.99
418B-3-2	18.30	95.10	M,I	0.00	0.00	1460.00	-999.99
418B-31-2	283.90	50.00		7.40	0.00	1560.00	-999.99
418B-33-1	301.75	75.90		4.30	8.00	1620.00	-999.99
418B-4-2	27.80	91.80	M,I	0.00	-99.99	-9999.99	-999.99
418B-4-4	30.90	93.20	M,I	0.00	0.00	1505.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
418B-5-2	37.40	95.10	M,I,K	0.00	0.00	1515.00	-999.99
418B-6-2	46.90	94.20	M,I,K	0.00	0.00	1600.00	-999.99
418B-6-4	49.90	94.80	M,I,K	0.00	0.00	-9999.99	-999.99
418B-7-5	60.90	93.60	M,I,K	0.00	0.00	1483.00	-999.99
418B-8-4	68.90	92.40	M,K	0.00	0.00	1490.00	-999.99
418B-9-2	75.30	93.40	M	0.00	1.00	1570.00	-999.99
418B-9-5	79.80	93.40	M	0.00	0.00	1530.00	-999.99
434-12-1	102.00	-99.99	I,M	-99.99	0.00	1665.00	-999.99
434-15-1	131.30	-99.99	M,I	-99.99	0.50	1640.00	-999.99
434-15-2	131.90	-99.99	I,M	-99.99	0.00	1615.00	-999.99
434-16-1	140.10	-99.99	M,I	-99.99	0.00	1676.00	-999.99
434-16-CC	140.65	-99.99		-99.99	-99.99	-9999.99	-999.99
434-2-1	7.50	-99.99	M,I	-99.99	0.00	1546.00	-999.99
434-2-2	8.12	-99.99	M,I	-99.99	0.00	1540.00	-999.99
434-20-1	178.90	-99.99	M,I	-99.99	0.00	1585.00	-999.99
434-22-1	197.60	-99.99	M,I	-99.99	0.00	1690.00	-999.99
434-23-1	207.38	-99.99	M,I	-99.99	0.00	1765.00	-999.99
434-23-3	209.45	-99.99	I,M	-99.99	0.00	1717.00	-999.99
434-24-1	216.27	-99.99		-99.99	-99.99	1731.00	-999.99
434-29-1	264.02	-99.99		-99.99	-99.99	1743.00	-999.99
434-30-1	273.34	-99.99	I,M	-99.99	0.00	1660.00	-999.99
434-31-1	282.60	-99.99	M,I	-99.99	0.50	1715.00	-999.99
434-32-1	292.59	-99.99	M,I	-99.99	5.00	1796.00	-999.99
434-4-1	25.96	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
434-4-2	27.45	-99.99	I,M	-99.99	0.00	1399.00	-999.99
434-5-1	35.06	-99.99	M,I	-99.99	0.00	1512.00	-999.99
434-7-1	55.30	-99.99	M,I	-99.99	0.00	1560.00	-999.99
434-9-1	73.53	-99.99	I,M	-99.99	0.00	1428.00	-999.99
434-9-2	74.54	-99.99	M	-99.99	0.00	-9999.99	-999.99
434B-10-1	371.80	-99.99		-99.99	-99.99	1581.00	-999.99
434B-10-3	375.56	-99.99	M	-99.99	0.00	1613.00	-999.99
434B-10-4	376.65	-99.99	M	-99.99	0.50	1637.00	-999.99
434B-10-5	377.77	-99.99	M	-99.99	0.00	1657.00	-999.99
434B-10-6	379.82	-99.99	M,I	-99.99	0.00	1679.00	-999.99
434B-11-1	381.49	-99.99	M	-99.99	0.00	-9999.99	-999.99
434B-11-2	383.46	-99.99		-99.99	-99.99	1726.00	-999.99
434B-14-1	409.98	-99.99		-99.99	-99.99	1648.00	-999.99
434B-15-1	419.43	-99.99	I,M	-99.99	0.00	1669.00	-999.99
434B-15-2	421.46	-99.99	I,M	-99.99	0.00	1683.00	-999.99
434B-15-3	422.40	-99.99		-99.99	-99.99	1729.00	-999.99
434B-15-4	424.07	-99.99	I	-99.99	0.00	1532.00	-999.99
434B-16-1	429.10	-99.99	I,M	-99.99	0.00	1636.00	-999.99
434B-16-2	430.70	-99.99	I	-99.99	0.00	1575.00	-999.99
434B-16-3	432.25	-99.99		-99.99	-99.99	1609.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
434B-16-4	433.62	-99.99	I,M	-99.99	0.00	1665.00	-999.99
434B-3-1	305.60	-99.99	M	-99.99	0.00	-9999.99	-999.99
434B-3-2	307.95	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
434B-34-1	600.00	-99.99	M,I	-99.99	0.00	1938.00	-999.99
434B-36-1	618.84	-99.99	I	-99.99	0.00	1848.00	-999.99
434B-37-1	628.35	-99.99		-99.99	-99.99	2014.00	-999.99
434B-4-1	315.10	-99.99	I,M	-99.99	0.00	172.00	-999.99
434B-4-2	316.40	-99.99	I,M	-99.99	0.00	1727.00	-999.99
434B-7-1	343.30	-99.99		-99.99	-99.99	1578.00	-999.99
434B-8-1	353.20	-99.99		-99.99	-99.99	1570.00	-999.99
434B-8-2	354.70	-99.99		-99.99	-99.99	1525.00	-999.99
434B-9-1	363.40	-99.99	I,M	-99.99	0.00	1570.00	-999.99
434B-9-2	364.66	-99.99		-99.99	-99.99	1594.00	-999.99
434B-9-3	365.29	-99.99	M,I	-99.99	0.00	1618.00	-999.99
435-1-4	4.95	-99.99	I,M	-99.99	0.50	1535.00	-999.99
435-1-6	8.20	-99.99	I,M	-99.99	0.00	1547.00	-999.99
435-2-1	9.60	-99.99	M,I	-99.99	0.00	1540.00	-999.99
435-2-2	11.00	-99.99	I,M	-99.99	0.00	1528.00	-999.99
435-2-3	12.11	-99.99	I,M	-99.99	0.00	1533.00	-999.99
435-2-4	13.24	-99.99	M,I	-99.99	0.00	1516.00	-999.99
435-2-5	15.00	-99.99	M,I	-99.99	0.00	1531.00	-999.99
435-2-6	17.12	-99.99	M,I	-99.99	0.00	-9999.99	-999.99
435-4-1	27.60	-99.99	M,I	-99.99	0.00	1528.00	-999.99
435-4-2	29.17	-99.99	M,I	-99.99	6.00	1536.00	-999.99
435-4-3	30.45	-99.99	M,I	-99.99	6.00	1532.00	-999.99
435-4-4	32.73	-99.99	M,I	-99.99	6.00	-9999.99	-999.99
435-5-1	37.22	-99.99	M,I	-99.99	0.00	1548.00	-999.99
435-5-2	38.68	-99.99	I,M	-99.99	0.50	1541.00	-999.99
435-5-3	40.41	-99.99	M,I	-99.99	4.00	1536.00	-999.99
435-5-4	41.70	-99.99	M,I	-99.99	0.00	1559.00	-999.99
435-5-5	43.90	-99.99	I,M	-99.99	0.00	1538.00	-999.99
435-5-6	44.80	-99.99	M,I	-99.99	0.00	1546.00	-999.99
435-6-1	46.86	-99.99	M,I	-99.99	0.00	1563.00	-999.99
435-6-2	48.42	-99.99	I,M	-99.99	0.00	1606.00	-999.99
435-6-3	50.15	-99.99	M,I	-99.99	7.00	1534.00	-999.99
435-6-4	51.20	-99.99	M,I	-99.99	0.00	1563.00	-999.99
435-6-5	52.80	-99.99	I,M	-99.99	0.00	1560.00	-999.99
435-6-6	54.60	-99.99	I	-99.99	0.00	1557.00	-999.99
435-7-1	57.10	-99.99	I,M	-99.99	0.50	1566.00	-999.99
435-7-2	58.01	-99.99	I,M	-99.99	0.00	1576.00	-999.99
435-7-3	59.58	-99.99	I,M	-99.99	0.00	1617.00	-999.99
435-7-4	61.25	-99.99	I,M	-99.99	0.00	1535.00	-999.99
435-7-5	62.69	-99.99	I,M	-99.99	0.00	1544.00	-999.99
435-7-6	63.90	-99.99	I,M	-99.99	0.00	1579.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
436-1-1	0.53	-99.99	I,M	-99.99	0.00	1493.00	-999.99
436-1-2	2.72	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
436-1-3	3.57	-99.99	I,M	-99.99	0.00	1520.00	-999.99
436-1-4	5.95	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
436-1-5	6.50	-99.99	I,M	-99.99	0.00	1519.00	-999.99
436-10-1	85.20	-99.99	M,I	-99.99	0.00	1531.00	-999.99
436-10-2	86.50	-99.99	M,I	-99.99	0.00	1561.00	-999.99
436-10-3	87.84	-99.99	I,M	-99.99	0.00	1513.00	-999.99
436-10-4	89.60	-99.99	I,M	-99.99	0.00	1558.00	-999.99
436-10-5	90.98	-99.99	I,M	-99.99	0.00	1522.00	-999.99
436-10-6	92.00	-99.99	I,M	-99.99	0.00	1523.00	-999.99
436-11-1	94.90	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
436-11-2	96.21	-99.99	M,I	-99.99	0.00	1502.00	-999.99
436-11-3	97.12	-99.99	M,I	-99.99	0.00	1506.00	-999.99
436-11-5	99.97	-99.99	M,I	-99.99	0.00	1501.00	-999.99
436-11-6	101.43	-99.99	I	-99.99	0.00	1497.00	-999.99
436-12-1	103.75	-99.99	I,M	-99.99	0.00	1514.00	-999.99
436-12-2	105.28	-99.99	I,M	-99.99	0.00	1495.00	-999.99
436-12-3	106.66	-99.99	M	-99.99	0.00	1520.00	-999.99
436-12-4	108.10	-99.99	M,I	-99.99	0.00	1577.00	-999.99
436-12-5	110.10	-99.99	M,I	-99.99	0.00	1535.00	-999.99
436-13-3	116.50	-99.99	I,M	-99.99	0.00	1546.00	-999.99
436-13-4	117.50	-99.99	I	-99.99	0.00	1545.00	-999.99
436-14-1	123.10	-99.99	M	-99.99	0.00	1558.00	-999.99
436-14-2	124.18	-99.99	I,M	-99.99	0.00	1571.00	-999.99
436-14-3	125.50	-99.99	M,I	-99.99	0.00	1620.00	-999.99
436-14-4	126.87	-99.99	M,I	-99.99	0.00	1547.00	-999.99
436-15-1	132.50	-99.99	M,I	-99.99	0.00	1524.00	-999.99
436-15-2	133.55	-99.99	M,I	-99.99	0.00	1538.00	-999.99
436-15-3	135.50	-99.99	M,I	-99.99	0.00	1538.00	-999.99
436-15-5	138.90	-99.99	I,M	-99.99	0.00	1545.00	-999.99
436-16-1	142.40	-99.99	M,I	-99.99	0.00	-9999.99	-999.99
436-16-2	143.25	-99.99	M	-99.99	0.00	1563.00	-999.99
436-16-3	145.15	-99.99	M,I	-99.99	0.00	1562.00	-999.99
436-16-5	147.95	-99.99	I,M	-99.99	0.00	1512.00	-999.99
436-16-6	149.95	-99.99	I,M	-99.99	0.00	1522.00	-999.99
436-17-3	154.58	-99.99	I,M	-99.99	0.00	1612.00	-999.99
436-17-4	156.00	-99.99		-99.99	-99.99	1540.00	-999.99
436-18-2	162.03	-99.99	M,I	-99.99	0.00	1531.00	-999.99
436-19-4	174.60	-99.99	M	-99.99	0.00	1607.00	-999.99
436-2-1	9.12	-99.99	I,M	-99.99	0.00	1497.00	-999.99
436-2-2	10.45	-99.99	I,M	-99.99	0.00	1483.00	-999.99
436-2-3	11.35	-99.99	M,I	-99.99	0.00	1513.00	-999.99
436-20-1	179.81	-99.99	I	-99.99	0.00	1523.00	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
436-20-2	180.57	-99.99		-99.99	-99.99	1530.00	-999.99
436-21-1	189.49	-99.99	M, I	-99.99	0.00	1570.00	-999.99
436-22-1	198.80	-99.99		-99.99	-99.99	1557.00	-999.99
436-22-1	198.90	-99.99		-99.99	-99.99	1603.00	-999.99
436-24-1	217.61	-99.99	M, I	-99.99	0.00	1541.00	-999.99
436-24-2	219.48	-99.99	M, I	-99.99	0.00	1536.00	-999.99
436-25-1	227.13	-99.99		-99.99	-99.99	1567.00	-999.99
436-26-1	236.47	-99.99	M, I	-99.99	0.00	-9999.99	-999.99
436-27-1	246.11	-99.99	I, M	-99.99	0.00	1579.00	-999.99
436-27-2	247.65	-99.99	I, M	-99.99	0.00	1558.00	-999.99
436-27-3	248.75	-99.99	I, M	-99.99	0.00	1597.00	-999.99
436-28-1	255.90	-99.99	I, M	-99.99	0.00	1598.00	-999.99
436-29-1	265.32	-99.99	M	-99.99	0.00	1580.00	-999.99
436-29-2	266.70	-99.99	M, I	-99.99	0.00	1598.00	-999.99
436-3-1	18.30	-99.99	I, M	-99.99	0.00	1508.00	-999.99
436-3-2	19.70	-99.99	I, M	-99.99	0.00	1514.00	-999.99
436-3-3	21.50	-99.99	M, I	-99.99	0.00	1519.00	-999.99
436-3-4	22.83	-99.99	I, M	-99.99	0.50	1599.00	-999.99
436-3-5	24.10	-99.99	I, M	-99.99	0.00	1532.00	-999.99
436-30-1	274.40	-99.99	I, M	-99.99	0.00	1620.00	-999.99
436-30-2	276.82	-99.99	M, I	-99.99	0.00	1630.00	-999.99
436-30-3	277.36	-99.99	I, M	-99.99	0.00	1617.00	-999.99
436-31-1	284.50	-99.99	I, M	-99.99	0.00	1599.00	-999.99
436-31-2	286.00	-99.99	I, M	-99.99	0.00	1595.00	-999.99
436-31-3	287.66	-99.99	I, M	-99.99	0.00	1581.00	-999.99
436-31-4	289.30	-99.99	M, I	-99.99	0.00	1609.00	-999.99
436-32-1	294.43	-99.99		-99.99	-99.99	1598.00	-999.99
436-32-2	295.19	-99.99	I, M	-99.99	0.00	1577.00	-999.99
436-33-1	302.85	-99.99	I, M	-99.99	0.00	1634.00	-999.99
436-33-2	304.90	-99.99	I, M	-99.99	0.00	1616.00	-999.99
436-33-3	306.40	-99.99	I, M	-99.99	0.00	1601.00	-999.99
436-33-4	307.95	-99.99	I, M	-99.99	0.00	1606.00	-999.99
436-33-5	308.84	-99.99	M, I	-99.99	0.00	1604.00	-999.99
436-33-6	311.10	-99.99	I, M	-99.99	0.00	1643.00	-999.99
436-34-1	312.80	-99.99	I, M	-99.99	0.00	1590.00	-999.99
436-34-2	314.24	-99.99	I, M	-99.99	0.00	1582.00	-999.99
436-34-3	315.78	-99.99	I, M	-99.99	0.00	1617.00	-999.99
436-34-4	317.47	-99.99	I, M	-99.99	0.00	1573.00	-999.99
436-34-5	318.85	-99.99	I, M	-99.99	0.00	1555.00	-999.99
436-34-6	320.56	-99.99	I, M	-99.99	0.00	1580.00	-999.99
436-35-1	322.18	-99.99	I, M	-99.99	0.00	1613.00	-999.99
436-35-2	323.20	-99.99	M, I	-99.99	0.00	1616.00	-999.99
436-35-4	326.20	-99.99	I, M	-99.99	0.00	1596.00	-999.99
436-36-1	331.80	-99.99	I, M	-99.99	0.00	1631.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
436-36-2	333.79	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
436-36-3	334.60	-99.99	I	-99.99	0.00	1625.00	-999.99
436-36-4	335.53	-99.99	M,I	-99.99	0.00	1641.00	-999.99
436-36-5	337.80	-99.99	I,M	-99.99	0.00	1626.00	-999.99
436-36-6	339.86	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
436-36-7	340.16	-99.99	I,M	-99.99	0.00	1645.00	-999.99
436-37-1	341.20	-99.99	I	-99.99	0.00	1639.00	-999.99
436-37-2	342.38	-99.99	I,M	-99.99	0.00	1685.00	-999.99
436-37-3	344.20	-99.99	I,M	-99.99	0.00	1686.00	-999.99
436-37-4	345.88	-99.99	I,M	-99.99	0.00	1628.00	-999.99
436-37-5	346.81	-99.99	I,M	-99.99	0.00	1651.00	-999.99
436-37-6	349.10	-99.99	M	-99.99	0.00	1636.00	-999.99
436-38-1	350.45	-99.99	M,I	-99.99	0.00	1642.00	-999.99
436-38-2	351.90	-99.99	M	-99.99	0.00	1670.00	-999.99
436-38-3	353.50	-99.99	M,I	-99.99	0.00	1630.00	-999.99
436-38-4	354.80	-99.99	M,I	-99.99	0.00	1639.00	-999.99
436-38-5	357.11	-99.99	M,I	-99.99	0.00	1623.00	-999.99
436-38-6	358.92	-99.99	M	-99.99	0.00	1650.00	-999.99
436-38-7	359.30	-99.99	M	-99.99	0.00	1671.00	-999.99
436-39-1	359.85	-99.99	M	-99.99	0.00	1676.00	-999.99
436-39-2	361.18	-99.99	M	-99.99	0.00	1617.00	-999.99
436-39-3	363.27	-99.99	I,M	-99.99	0.00	1615.00	-999.99
436-39-3	363.51	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
436-39-4	364.30	-99.99	M,I	-99.99	0.00	1644.00	-999.99
436-39-5	366.28	-99.99	I,M	-99.99	0.00	1619.00	-999.99
436-39-6	367.50	-99.99	I,M	-99.99	0.00	1593.00	-999.99
436-4-1	27.70	-99.99	I,M	-99.99	0.00	1541.00	-999.99
436-4-2	29.60	-99.99	M	-99.99	0.00	1522.00	-999.99
436-4-3	30.95	-99.99	I,M	-99.99	0.00	1498.00	-999.99
436-4-4	32.40	-99.99	I,M	-99.99	0.00	1517.00	-999.99
436-4-5	33.75	-99.99	M,I	-99.99	0.00	1516.00	-999.99
436-4-6	34.85	-99.99	M,I	-99.99	0.00	1531.00	-999.99
436-40-1	369.84	-99.99		-99.99	-99.99	1603.00	-999.99
436-40-3	372.72	-99.99		-99.99	-99.99	1583.00	-999.99
436-40-4	374.98	-99.99		-99.99	-99.99	1580.00	-999.99
436-40-5	375.51	-99.99		-99.99	-99.99	1588.00	-999.99
436-40-7	378.20	-99.99	M,I	-99.99	0.00	1606.00	-999.99
436-41-1	378.76	-99.99		-99.99	-99.99	2508.00	-999.99
436-41-1	378.94	-99.99		-99.99	-99.99	2508.00	-999.99
436-42-1	388.07	-99.99		-99.99	-99.99	2663.00	-999.99
436-5-1	37.88	-99.99	I,M	-99.99	0.00	1521.00	-999.99
436-5-2	38.50	-99.99	M,I	-99.99	0.00	1508.00	-999.99
436-5-3	40.60	-99.99	M,I	-99.99	0.00	1526.00	-999.99
436-5-4	41.15	-99.99	I,M	-99.99	0.00	1518.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
436-6-1	47.18	-99.99	M, I	-99.99	0.00	1548.00	-999.99
436-6-2	48.50	-99.99	I, M	-99.99	0.00	1537.00	-999.99
436-6-3	49.95	-99.99	I, M	-99.99	0.00	1547.00	-999.99
436-6-4	51.58	-99.99	I, M	-99.99	0.00	1540.00	-999.99
436-6-5	52.31	-99.99	M, I	-99.99	0.00	1524.00	-999.99
436-7-1	56.80	-99.99	M, I	-99.99	0.00	1513.00	-999.99
436-7-2	57.85	-99.99	I, M	-99.99	0.00	1539.00	-999.99
436-7-3	59.30	-99.99	I, M	-99.99	0.00	1542.00	-999.99
436-7-4	60.50	-99.99	M, I	-99.99	0.00	1529.00	-999.99
436-7-5	62.80	-99.99	M, I	-99.99	0.00	1544.00	-999.99
436-7-6	63.15	-99.99	I, M	-99.99	0.00	-9999.99	-999.99
436-8-1	65.84	-99.99	M, I	-99.99	0.00	-9999.99	-999.99
436-8-2	67.50	-99.99	M, I	-99.99	0.00	1540.00	-999.99
436-8-3	68.90	-99.99	M, I	-99.99	0.00	1521.00	-999.99
436-8-4	70.24	-99.99	M	-99.99	0.00	1539.00	-999.99
436-8-5	71.20	-99.99	M	-99.99	0.00	1529.00	-999.99
436-9-1	75.40	-99.99	M, I	-99.99	0.00	1540.00	-999.99
436-9-2	76.95	-99.99	M	-99.99	0.00	1601.00	-999.99
436-9-3	78.35	-99.99	M, I	-99.99	0.00	1528.00	-999.99
436-9-4	79.80	-99.99	M, I	-99.99	0.00	1543.00	-999.99
436-9-5	81.40	-99.99	I, M	-99.99	0.00	1529.00	-999.99
436-9-6	82.40	-99.99	I, M	-99.99	0.00	1569.00	-999.99
438A-10-1	145.85	-99.99		-99.99	-99.99	1311.00	-999.99
438A-10-2	146.15	-99.99		-99.99	-99.99	3044.00	-999.99
438A-10-3	147.95	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-10-4	149.59	-99.99	I, M	-99.99	0.50	-9999.99	-999.99
438A-10-5	151.30	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-11-1	154.75	-99.99		-99.99	-99.99	1437.00	-999.99
438A-11-2	156.90	-99.99		-99.99	-99.99	1424.00	-999.99
438A-11-4	159.38	-99.99	M, I	-99.99	6.00	1305.00	-999.99
438A-11-5	161.19	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-11-6	162.30	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-12-1	147.38	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-13-2	175.42	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-13-3	176.79	-99.99		-99.99	-99.99	3302.00	-999.99
438A-13-4	178.45	-99.99	I, M	-99.99	9.00	-9999.99	-999.99
438A-14-1	183.30	-99.99		-99.99	-99.99	1418.00	-999.99
438A-14-2	184.80	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-14-4	187.43	-99.99	M, I	-99.99	5.00	-9999.99	-999.99
438A-14-5	189.20	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-16-1	202.35	-99.99		-99.99	-99.99	1608.00	-999.99
438A-16-2	203.27	-99.99		-99.99	-99.99	1410.00	-999.99
438A-16-3	205.35	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-16-5	208.43	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
438A-17-1	211.86	-99.99	M, I	-99.99	0.00	1632.00	-999.99
438A-17-2	213.40	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-17-3	214.83	-99.99		-99.99	-99.99	1337.00	-999.99
438A-18-4	225.89	-99.99	M, I	-99.99	0.00	2277.00	-999.99
438A-19-1	230.45	-99.99		-99.99	-99.99	1056.00	-999.99
438A-19-3	233.00	-99.99		-99.99	-99.99	1161.00	-999.99
438A-19-4	236.00	-99.99	M, I	-99.99	0.00	1052.00	-999.99
438A-19-5	236.64	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-20-2	241.50	-99.99		-99.99	-99.99	1111.00	-999.99
438A-20-3	243.64	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-21-1	249.20	-99.99		-99.99	-99.99	1079.00	-999.99
438A-21-2	250.65	-99.99		-99.99	-99.99	1110.00	-999.99
438A-21-3	253.20	-99.99		-99.99	-99.99	1127.00	-999.99
438A-22-1	258.60	-99.99		-99.99	-99.99	1062.00	-999.99
438A-22-2	260.30	-99.99		-99.99	-99.99	1128.00	-999.99
438A-23-1	268.40	-99.99		-99.99	-99.99	1464.00	-999.99
438A-24-1	278.00	-99.99		-99.99	-99.99	1124.00	-999.99
438A-24-2	279.44	-99.99		-99.99	-99.99	1198.00	-999.99
438A-24-4	282.19	-99.99	M, I	-99.99	0.00	1537.00	-999.99
438A-24-6	285.45	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-25-1	287.40	-99.99		-99.99	-99.99	1263.00	-999.99
438A-25-3	290.40	-99.99		-99.99	-99.99	1492.00	-999.99
438A-26-1	296.95	-99.99		-99.99	-99.99	1420.00	-999.99
438A-26-4	301.30	-99.99	M, I	-99.99	18.00	1686.00	-999.99
438A-26-5	303.05	-99.99		-99.99	-99.99	1562.00	-999.99
438A-26-6	304.40	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-27-3	309.25	-99.99		-99.99	-99.99	1623.00	-999.99
438A-27-4	311.31	-99.99	M	-99.99	0.00	-9999.99	-999.99
438A-28-1	315.90	-99.99		-99.99	-99.99	1618.00	-999.99
438A-28-3	319.30	-99.99		-99.99	-99.99	1538.00	-999.99
438A-28-5	322.70	-99.99		-99.99	-99.99	1592.00	-999.99
438A-29-2	326.91	-99.99		-99.99	-99.99	1564.00	-999.99
438A-29-4	330.15	-99.99	M, I	-99.99	0.00	1536.00	-999.99
438A-29-6	332.98	-99.99		-99.99	-99.99	1510.00	-999.99
438A-30-1	335.07	-99.99		-99.99	-99.99	1617.00	-999.99
438A-30-4	337.97	-99.99	I, M	-99.99	0.00	1574.00	-999.99
438A-30-5	341.54	-99.99		-99.99	-99.99	1572.00	-999.99
438A-31-1	345.16	-99.99		-99.99	-99.99	1563.00	-999.99
438A-31-3	348.20	-99.99		-99.99	-99.99	1560.00	-999.99
438A-31-6	350.93	-99.99		-99.99	-99.99	1443.00	-999.99
438A-32-1	354.54	-99.99		-99.99	-99.99	1532.00	-999.99
438A-32-3	358.00	-99.99		-99.99	-99.99	1602.00	-999.99
438A-32-4	358.78	-99.99		-99.99	-99.99	1605.00	-999.99
438A-33-1	363.57	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
438A-33-3	367.35	-99.99		-99.99	-99.99	1678.00	-999.99
438A-33-5	370.06	-99.99		-99.99	-99.99	1597.00	-999.99
438A-34-1	373.20	-99.99		-99.99	-99.99	1563.00	-999.99
438A-34-3	375.57	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-34-5	378.50	-99.99		-99.99	-99.99	1523.00	-999.99
438A-35-1	382.74	-99.99		-99.99	-99.99	1570.00	-999.99
438A-35-3	385.47	-99.99		-99.99	-99.99	1572.00	-999.99
438A-35-5	388.60	-99.99	I	-99.99	0.00	1525.00	-999.99
438A-36-1	392.83	-99.99		-99.99	-99.99	1632.00	-999.99
438A-36-3	395.00	-99.99		-99.99	-99.99	1568.00	-999.99
438A-36-5	398.32	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-37-1	402.15	-99.99		-99.99	-99.99	1588.00	-999.99
438A-37-3	404.51	-99.99		-99.99	-99.99	1544.00	-999.99
438A-39-1	420.19	-99.99		-99.99	-99.99	1558.00	-999.99
438A-39-3	423.28	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-39-5	426.19	-99.99		-99.99	-99.99	1418.00	-999.99
438A-40-1	429.57	-99.99		-99.99	-99.99	1539.00	-999.99
438A-40-3	432.60	-99.99		-99.99	-99.99	1548.00	-999.99
438A-40-5	436.45	-99.99		-99.99	-99.99	1536.00	-999.99
438A-44-3	471.14	-99.99		-99.99	-99.99	1615.00	-999.99
438A-44-5	473.40	-99.99		-99.99	-99.99	1466.00	-999.99
438A-44-6	475.62	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-45-1	479.28	-99.99		-99.99	-99.99	1649.00	-999.99
438A-45-3	482.38	-99.99		-99.99	-99.99	1562.00	-999.99
438A-45-4	483.77	-99.99	I, M	-99.99	0.50	1595.00	-999.99
438A-46-1	489.92	-99.99		-99.99	-99.99	1572.00	-999.99
438A-46-5	494.84	-99.99		-99.99	-99.99	1616.00	-999.99
438A-47-2	500.95	-99.99		-99.99	-99.99	1620.00	-999.99
438A-47-4	502.63	-99.99	I, M	-99.99	0.50	1505.00	-999.99
438A-47-6	506.13	-99.99		-99.99	-99.99	1613.00	-999.99
438A-48-1	508.49	-99.99		-99.99	-99.99	1553.00	-999.99
438A-48-3	510.56	-99.99	I, M	-99.99	0.00	1622.00	-999.99
438A-48-5	513.78	-99.99		-99.99	-99.99	1605.00	-999.99
438A-49-1	517.64	-99.99		-99.99	-99.99	1618.00	-999.99
438A-49-3	521.16	-99.99		-99.99	-99.99	1510.00	-999.99
438A-49-5	523.19	-99.99		-99.99	-99.99	1606.00	-999.99
438A-50-1	527.73	-99.99		-99.99	-99.99	1626.00	-999.99
438A-50-3	529.56	-99.99		-99.99	-99.99	1637.00	-999.99
438A-50-5	533.79	-99.99	I, M	-99.99	0.00	1603.00	-999.99
438A-51-1	536.14	-99.99		-99.99	-99.99	1561.00	-999.99
438A-51-3	539.08	-99.99		-99.99	-99.99	1546.00	-999.99
438A-51-5	542.77	-99.99		-99.99	-99.99	1580.00	-999.99
438A-51-7	545.29	-99.99		-99.99	-99.99	1639.00	-999.99
438A-52-2	547.86	-99.99		-99.99	-99.99	1522.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
438A-52-4	551.35	-99.99	I,M	-99.99	0.00	1396.00	-999.99
438A-52-6	553.38	-99.99		-99.99	-99.99	1609.00	-999.99
438A-53-2	556.75	-99.99		-99.99	-99.99	1432.00	-999.99
438A-54-1	564.78	-99.99		-99.99	-99.99	1624.00	-999.99
438A-55-1	574.15	-99.99		-99.99	-99.99	1547.00	-999.99
438A-55-3	577.35	-99.99		-99.99	-99.99	1661.00	-999.99
438A-55-4	579.16	-99.99	I,M	-99.99	0.00	1379.00	-999.99
438A-56-3	587.82	-99.99		-99.99	-99.99	1649.00	-999.99
438A-56-4	589.37	-99.99	I,M	-99.99	0.00	1684.00	-999.99
438A-56-5	590.60	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-56-6	592.32	-99.99		-99.99	-99.99	1605.00	-999.99
438A-57-1	593.47	-99.99		-99.99	-99.99	1910.00	-999.99
438A-57-3	596.13	-99.99		-99.99	-99.99	1671.00	-999.99
438A-58-1	602.69	-99.99		-99.99	-99.99	1582.00	-999.99
438A-59-1	613.15	-99.99		-99.99	-99.99	1663.00	-999.99
438A-59-3	616.00	-99.99		-99.99	-99.99	1607.00	-999.99
438A-6-1	107.10	-99.99		-99.99	-99.99	1502.00	-999.99
438A-6-2	108.70	-99.99		-99.99	-99.99	1533.00	-999.99
438A-6-3	110.16	-99.99		-99.99	-99.99	1859.00	-999.99
438A-6-4	111.50	-99.99	M,I,C	-99.99	0.50	1522.00	-999.99
438A-60-1	622.00	-99.99		-99.99	-99.99	3283.00	-999.99
438A-60-3	624.51	-99.99		-99.99	-99.99	1690.00	-999.99
438A-63-1	650.45	-99.99	M,I	-99.99	0.50	1762.00	-999.99
438A-64-1	659.75	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-64-3	663.37	-99.99		-99.99	-99.99	1788.00	-999.99
438A-64-5	666.59	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-65-1	670.26	-99.99		-99.99	-99.99	1717.00	-999.99
438A-65-4	674.55	-99.99	M,I	-99.99	6.00	1653.00	-999.99
438A-65-6	677.81	-99.99		-99.99	-99.99	1802.00	-999.99
438A-66-1	679.88	-99.99		-99.99	-99.99	1740.00	-999.99
438A-68-1	697.68	-99.99		-99.99	-99.99	1766.00	-999.99
438A-68-2	700.39	-99.99		-99.99	-99.99	1645.00	-999.99
438A-7-1	116.45	-99.99		-99.99	-99.99	2134.00	-999.99
438A-7-2	118.27	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-7-3	119.83	-99.99		-99.99	-99.99	2464.00	-999.99
438A-7-4	121.09	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
438A-70-1	717.52	-99.99		-99.99	-99.99	1690.00	-999.99
438A-70-5	723.02	-99.99		-99.99	-99.99	1740.00	-999.99
438A-71-1	727.10	-99.99		-99.99	-99.99	1980.00	-999.99
438A-71-5	732.50	-99.99		-99.99	-99.99	1588.00	-999.99
438A-72-1	736.00	-99.99		-99.99	-99.99	2769.00	-999.99
438A-72-3	739.36	-99.99		-99.99	-99.99	1803.00	-999.99
438A-72-5	742.37	-99.99		-99.99	-99.99	1711.00	-999.99
438A-73-1	745.12	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
438A-73-2	746.86	-99.99		-99.99	-99.99	1741.00	-999.99
438A-73-3	748.75	-99.99		-99.99	-99.99	1643.00	-999.99
438A-73-5	751.20	-99.99		-99.99	-99.99	1671.00	-999.99
438A-74-1	755.33	-99.99		-99.99	-99.99	1766.00	-999.99
438A-75-1	764.80	-99.99		-99.99	-99.99	1785.00	-999.99
438A-76-1	774.28	-99.99		-99.99	-99.99	1959.00	-999.99
438A-77-1	783.87	-99.99		-99.99	-99.99	1671.00	-999.99
438A-78-1	793.50	-99.99		-99.99	-99.99	1613.00	-999.99
438A-78-3	795.65	-99.99		-99.99	-99.99	1668.00	-999.99
438A-78-4	797.67	-99.99	M	-99.99	0.00	1771.00	-999.99
438A-79-1	802.45	-99.99		-99.99	-99.99	1562.00	-999.99
438A-79-3	806.05	-99.99		-99.99	-99.99	1563.00	-999.99
438A-79-6	809.68	-99.99		-99.99	-99.99	1903.00	-999.99
438A-8-1	126.12	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-8-3	129.48	-99.99		-99.99	-99.99	1441.00	-999.99
438A-8-4	130.40	-99.99	M, I	-99.99	0.00	1411.00	-999.99
438A-8-5	132.20	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-8-6	133.12	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-80-2	813.14	-99.99		-99.99	-99.99	1692.00	-999.99
438A-80-3	815.58	-99.99		-99.99	-99.99	1708.00	-999.99
438A-80-4	816.90	-99.99	M	-99.99	0.00	1734.00	-999.99
438A-82-1	830.56	-99.99		-99.99	-99.99	1890.00	-999.99
438A-82-2	832.60	-99.99		-99.99	-99.99	1911.00	-999.99
438A-82-3	834.00	-99.99		-99.99	-99.99	1704.00	-999.99
438A-84-1	850.95	-99.99		-99.99	-99.99	-9999.99	-999.99
438A-84-2	851.28	-99.99		-99.99	-99.99	1824.00	-999.99
438A-84-4	854.29	-99.99	M	-99.99	0.00	1831.00	-999.99
438A-84-5	855.58	-99.99		-99.99	-99.99	1631.00	-999.99
438A-85-1	859.30	-99.99		-99.99	-99.99	1816.00	-999.99
438A-85-3	862.01	-99.99		-99.99	-99.99	1829.00	-999.99
438A-9-1	135.46	-99.99		-99.99	-99.99	1640.00	-999.99
438B-11-1	920.20	-99.99		-99.99	-99.99	1785.00	-999.99
438B-11-2	921.10	-99.99		-99.99	-99.99	1940.00	-999.99
438B-12-1	928.90	-99.99		-99.99	-99.99	1785.00	-999.99
438B-12-2	931.58	-99.99		-99.99	-99.99	1829.00	-999.99
438B-12-3	932.30	-99.99		-99.99	-99.99	1851.00	-999.99
438B-12-4	934.33	-99.99	M	-99.99	4.00	1890.00	-999.99
438B-12-5	935.19	-99.99		-99.99	-99.99	1735.00	-999.99
438B-13-1	939.11	-99.99		-99.99	-99.99	1845.00	-999.99
438B-13-2	940.69	-99.99		-99.99	-99.99	1757.00	-999.99
438B-13-3	941.57	-99.99		-99.99	-99.99	1767.00	-999.99
438B-15-1	957.42	-99.99		-99.99	-99.99	1781.00	-999.99
438B-15-2	958.94	-99.99		-99.99	-99.99	1862.00	-999.99
438B-16-1	966.54	-99.99		-99.99	-99.99	1857.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
438B-17-1	976.68	-99.99		-99.99	-99.99	2163.00	-999.99
438B-17-2	978.44	-99.99	M, I	-99.99	0.00	2053.00	-999.99
438B-17-3	978.77	-99.99		-99.99	-99.99	2073.00	-999.99
438B-18-1	986.51	-99.99		-99.99	-99.99	2106.00	-999.99
438B-18-2	988.11	-99.99		-99.99	-99.99	2226.00	-999.99
438B-18-3	988.53	-99.99		-99.99	-99.99	2074.00	-999.99
438B-19-4	1000.00	-99.99	M	-99.99	0.00	3447.00	-999.99
438B-20-1	1005.65	-99.99		-99.99	-99.99	-9999.99	-999.99
438B-20-2	1007.08	-99.99		-99.99	-99.99	2241.00	-999.99
438B-20-4	1009.12	-99.99	M	-99.99	0.00	2212.00	-999.99
438B-21-2	1016.60	-99.99		-99.99	-99.99	2644.00	-999.99
438B-21-3	1018.11	-99.99		-99.99	-99.99	2449.00	-999.99
438B-22-1	1024.65	-99.99		-99.99	-99.99	2082.00	-999.99
438B-23-1	1032.95	-99.99		-99.99	-99.99	2265.00	-999.99
438B-23-2	1034.75	-99.99		-99.99	-99.99	2219.00	-999.99
438B-23-3	1035.82	-99.99		-99.99	-99.99	2019.00	-999.99
438B-4-2	855.08	-99.99	M	-99.99	0.00	1560.00	-999.99
438B-4-6	862.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
438B-5-1	862.82	-99.99		-99.99	-99.99	4933.00	-999.99
438B-6-1	873.55	-99.99		-99.99	-99.99	1703.00	-999.99
438B-7-1	882.74	-99.99		-99.99	-99.99	1782.00	-999.99
438B-8-2	988.09	-99.99		-99.99	-99.99	-9999.99	-999.99
438B-8-CC	892.48	-99.99		-99.99	-99.99	1859.00	-999.99
438B-9-1	901.75	-99.99		-99.99	-99.99	-9999.99	-999.99
438B-9-3	904.03	-99.99		-99.99	-99.99	2200.00	-999.99
439-10-1	897.55	-99.99		-99.99	-99.99	2069.00	-999.99
439-10-2	900.63	-99.99		-99.99	-99.99	2019.00	-999.99
439-11-1	906.97	-99.99		-99.99	-99.99	2033.00	-999.99
439-11-3	910.03	-99.99		-99.99	-99.99	2117.00	-999.99
439-13-1	925.84	-99.99		-99.99	-99.99	2449.00	-999.99
439-13-2	927.85	-99.99		-99.99	-99.99	1979.00	-999.99
439-14-1	933.11	-99.99		-99.99	-99.99	2179.00	-999.99
439-15-1	935.95	-99.99		-99.99	-99.99	2286.00	-999.99
439-16-1	944.81	-99.99		-99.99	-99.99	1917.00	-999.99
439-16-2	946.17	-99.99		-99.99	-99.99	2209.00	-999.99
439-16-3	947.70	-99.99		-99.99	-99.99	2120.00	-999.99
439-17-1	954.40	-99.99		-99.99	-99.99	3799.00	-999.99
439-17-2	955.95	-99.99		-99.99	-99.99	2037.00	-999.99
439-18-1	964.50	-99.99		-99.99	-99.99	2191.00	-999.99
439-18-2/3	965.30	-99.99		-99.99	-99.99	2288.00	-999.99
439-18-3	966.80	-99.99		-99.99	-99.99	-9999.99	-999.99
439-19-1	973.35	-99.99	M	-99.99	0.00	2337.00	-999.99
439-20-1	983.20	-99.99		-99.99	-99.99	2185.00	-999.99
439-20-2	984.30	-99.99		-99.99	-99.99	2216.00	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
439-5-1	850.52	-99.99		-99.99	-99.99	1840.00	-999.99
439-5-2	851.30	-99.99		-99.99	-99.99	2149.00	-999.99
439-7-2	871.08	-99.99		-99.99	-99.99	2113.00	-999.99
439-7-3	872.95	-99.99		-99.99	-99.99	-9999.99	-999.99
439-8-1	878.58	-99.99		-99.99	-99.99	-9999.99	-999.99
439-8-2	880.25	-99.99		-99.99	-99.99	2132.00	-999.99
439-8-4	883.25	-99.99	M	-99.99	0.00	2017.00	-999.99
439-9-1	888.01	-99.99		-99.99	-99.99	1970.00	-999.99
439-9-3	891.00	-99.99		-99.99	-99.99	2075.00	-999.99
440-4-1	26.35	-99.99		-99.99	-99.99	-9999.99	-999.99
440-4-2	27.88	-99.99		-99.99	-99.99	-9999.99	-999.99
440-4-3	29.56	-99.99		-99.99	-99.99	-9999.99	-999.99
440-4-4	31.20	-99.99	I, M	-99.99	5.00	-9999.99	-999.99
440-4-5	31.86	-99.99		-99.99	-99.99	-9999.99	-999.99
440-4-6	33.88	-99.99		-99.99	-99.99	-9999.99	-999.99
440-5-1	36.07	-99.99		-99.99	-99.99	-9999.99	-999.99
440-5-2	36.82	-99.99		-99.99	-99.99	-9999.99	-999.99
440-5-3	38.66	-99.99		-99.99	-99.99	-9999.99	-999.99
440-5-4	40.60	-99.99	M, I	-99.99	3.00	-9999.99	-999.99
440-5-5	41.75	-99.99		-99.99	-99.99	-9999.99	-999.99
440-5-6	42.74	-99.99		-99.99	-99.99	-9999.99	-999.99
440-6-1	44.50	-99.99		-99.99	-99.99	1522.00	-999.99
440-6-2	46.89	-99.99		-99.99	-99.99	1549.00	-999.99
440-6-4	49.25	-99.99	M, I	-99.99	0.00	1583.00	-999.99
440-7-1	55.16	-99.99		-99.99	-99.99	1478.00	-999.99
440-7-2	56.10	-99.99		-99.99	-99.99	1449.00	-999.99
440-8-1	64.20	-99.99		-99.99	-99.99	1887.00	-999.99
440A-2-1	83.50	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-2-2	84.22	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-2-3	86.53	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-2-4	87.90	-99.99	M, I	-99.99	0.50	-9999.99	-999.99
440A-2-5	89.80	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-2-6	90.43	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-3-1	92.60	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-3-2	94.14	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-3-3	95.60	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-4-1	102.90	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-5-3	114.85	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-5-4	116.15	-99.99	M, I	-99.99	0.00	-9999.99	-999.99
440A-5-5	118.12	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-5-6	118.69	-99.99		-99.99	-99.99	-9999.99	-999.99
440A-6-2	123.28	-99.99	M, I	-99.99	5.00	-9999.99	-999.99
440A-7-1	130.60	-99.99		-99.99	-99.99	1438.00	-999.99
440A-7-3	133.60	-99.99		-99.99	-99.99	1413.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
440A-7-6	138.95	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-1-1	140.17	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-1-2	141.15	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-10-1	226.00	-99.99		-99.99	-99.99	1537.00	-999.99
440B-10-2	226.55	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-10-3	229.26	-99.99		-99.99	-99.99	1626.00	-999.99
440B-10-4	230.20	-99.99	I, M	-99.99	0.00	1599.00	-999.99
440B-10-5	232.04	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-10-6	233.51	-99.99		-99.99	-99.99	1570.00	-999.99
440B-11-1	235.00	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-11-2	236.51	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-11-3	238.00	-99.99		-99.99	-99.99	1563.00	-999.99
440B-11-4	239.49	-99.99	M, I	-99.99	0.00	1599.00	-999.99
440B-11-5	241.33	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-11-6	242.58	-99.99		-99.99	-99.99	1605.00	-999.99
440B-12-1	244.39	-99.99		-99.99	-99.99	1630.00	-999.99
440B-12-2	246.25	-99.99		-99.99	-99.99	1550.00	-999.99
440B-12-4	249.29	-99.99		-99.99	-99.99	1604.00	-999.99
440B-12-5	251.00	-99.99	M	-99.99	0.00	-9999.99	-999.99
440B-13-1	252.80	-99.99		-99.99	-99.99	1520.00	-999.99
440B-13-2	255.77	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-13-3	257.40	-99.99		-99.99	-99.99	1678.00	-999.99
440B-13-4	258.56	-99.99	I, M	-99.99	3.00	-9999.99	-999.99
440B-14-1	263.75	-99.99		-99.99	-99.99	1596.00	-999.99
440B-14-2	265.23	-99.99		-99.99	-99.99	1682.00	-999.99
440B-14-3	266.64	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-14-4	268.03	-99.99		-99.99	-99.99	1625.00	-999.99
440B-14-5	269.61	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-14-6	271.32	-99.99		-99.99	-99.99	1641.00	-999.99
440B-15-1	272.67	-99.99		-99.99	-99.99	1588.00	-999.99
440B-15-2	275.00	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-15-4	277.10	-99.99	M, I	-99.99	0.00	1606.00	-999.99
440B-15-5	279.90	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-16-1	282.65	-99.99		-99.99	-99.99	1642.00	-999.99
440B-16-4	286.86	-99.99	M, I	-99.99	0.00	1638.00	-999.99
440B-17-1	292.53	-99.99		-99.99	-99.99	1560.00	-999.99
440B-17-4	296.90	-99.99	I, M	-99.99	6.00	1692.00	-999.99
440B-18-1	301.77	-99.99		-99.99	-99.99	1703.00	-999.99
440B-18-3	304.90	-99.99		-99.99	-99.99	1778.00	-999.99
440B-19-2	312.45	-99.99		-99.99	-99.99	1701.00	-999.99
440B-19-4	315.57	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-20-1	320.21	-99.99		-99.99	-99.99	1761.00	-999.99
440B-20-3	323.90	-99.99	M, I	-99.99	3.00	1665.00	-999.99
440B-20-5	327.33	-99.99		-99.99	-99.99	1564.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
440B-21-1	330.21	-99.99		-99.99	-99.99	1693.00	-999.99
440B-21-4	334.50	-99.99	M, I	-99.99	6.00	1743.00	-999.99
440B-21-5	335.84	-99.99		-99.99	-99.99	1560.00	-999.99
440B-22-1	340.13	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-22-2	341.64	-99.99		-99.99	-99.99	1692.00	-999.99
440B-23-1	348.82	-99.99		-99.99	-99.99	1638.00	-999.99
440B-23-2	350.70	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-23-3	352.28	-99.99		-99.99	-99.99	1630.00	-999.99
440B-23-5	354.98	-99.99		-99.99	-99.99	1690.00	-999.99
440B-24-1	358.37	-99.99		-99.99	-99.99	1689.00	-999.99
440B-24-2	360.93	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-24-4	362.25	-99.99	M	-99.99	0.00	1673.00	-999.99
440B-24-5	364.95	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-24-6	366.18	-99.99		-99.99	-99.99	1765.00	-999.99
440B-25-1	368.08	-99.99		-99.99	-99.99	1767.00	-999.99
440B-26-1	377.50	-99.99		-99.99	-99.99	1595.00	-999.99
440B-27-1	387.33	-99.99		-99.99	-99.99	1542.00	-999.99
440B-27-2	388.80	-99.99		-99.99	-99.99	1706.00	-999.99
440B-28-1	396.81	-99.99		-99.99	-99.99	1683.00	-999.99
440B-28-3	399.48	-99.99		-99.99	-99.99	1727.00	-999.99
440B-28-4	401.90	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-29-1	406.90	-99.99		-99.99	-99.99	1813.00	-999.99
440B-29-2	407.58	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-29-3	408.64	-99.99	M, I	-99.99	4.00	-9999.99	-999.99
440B-29-4	410.18	-99.99		-99.99	-99.99	1786.00	-999.99
440B-3-1	159.09	-99.99		-99.99	-99.99	1596.00	-999.99
440B-3-2	160.43	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-3-3	161.70	-99.99		-99.99	-99.99	1474.00	-999.99
440B-3-4	163.86	-99.99	M, I	-99.99	8.00	-9999.99	-999.99
440B-3-5	165.32	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-3-6	167.16	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-30-1	415.58	-99.99		-99.99	-99.99	1747.00	-999.99
440B-31-1	425.14	-99.99		-99.99	-99.99	1516.00	-999.99
440B-31-3	428.63	-99.99	I, M	-99.99	0.50	1728.00	-999.99
440B-32-1	434.63	-99.99		-99.99	-99.99	1778.00	-999.99
440B-32-3	438.07	-99.99	I, M	-99.99	5.00	1606.00	-999.99
440B-33-2	445.29	-99.99		-99.99	-99.99	1504.00	-999.99
440B-33-3	447.99	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-33-4	449.15	-99.99	I, M	-99.99	0.50	1821.00	-999.99
440B-34-1	454.15	-99.99		-99.99	-99.99	1792.00	-999.99
440B-34-2	455.30	-99.99		-99.99	-99.99	1697.00	-999.99
440B-35-1	463.25	-99.99		-99.99	-99.99	1684.00	-999.99
440B-35-3	466.54	-99.99		-99.99	-99.99	1663.00	-999.99
440B-36-1	473.01	-99.99		-99.99	-99.99	1713.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
440B-36-3	475.69	-99.99		-99.99	-99.99	1616.00	-999.99
440B-36-5	479.12	-99.99		-99.99	-99.99	1667.00	-999.99
440B-37-1	482.46	-99.99		-99.99	-99.99	1703.00	-999.99
440B-37-2	484.37	-99.99	I, M	-99.99	0.50	1526.00	-999.99
440B-38-1	491.18	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-38-2	493.87	-99.99		-99.99	-99.99	1602.00	-999.99
440B-38-3	494.19	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-38-4	495.64	-99.99	I, M	-99.99	0.00	1636.00	-999.99
440B-39-1	500.97	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-39-2	502.24	-99.99		-99.99	-99.99	1709.00	-999.99
440B-39-3	504.44	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-39-4	506.06	-99.99	I	-99.99	0.50	1742.00	-999.99
440B-4-2	170.66	-99.99		-99.99	-99.99	1555.00	-999.99
440B-4-3	172.40	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-4-4	173.52	-99.99	M	-99.99	6.00	1525.00	-999.99
440B-40-1	510.40	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-40-2	511.76	-99.99		-99.99	-99.99	1692.00	-999.99
440B-40-3	514.40	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-41-1	519.64	-99.99		-99.99	-99.99	1784.00	-999.99
440B-41-2	522.20	-99.99		-99.99	-99.99	1745.00	-999.99
440B-42-2	531.00	-99.99		-99.99	-99.99	1702.00	-999.99
440B-42-4	534.17	-99.99	I, M	-99.99	0.00	1709.00	-999.99
440B-43-1	538.75	-99.99		-99.99	-99.99	1698.00	-999.99
440B-43-2	541.02	-99.99		-99.99	-99.99	1714.00	-999.99
440B-43-3	543.42	-99.99		-99.99	-99.99	1876.00	-999.99
440B-45-1	558.46	-99.99		-99.99	-99.99	1728.00	-999.99
440B-45-2	560.06	-99.99	I, M	-99.99	0.00	1738.00	-999.99
440B-46-1	568.10	-99.99	I, M	-99.99	0.50	1823.00	-999.99
440B-46-2	569.20	-99.99		-99.99	-99.99	1738.00	-999.99
440B-46-3	571.40	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-47-1	577.78	-99.99	I, M	-99.99	0.00	1846.00	-999.99
440B-48-1	587.14	-99.99		-99.99	-99.99	1762.00	-999.99
440B-48-3	589.81	-99.99	I	-99.99	0.00	1749.00	-999.99
440B-48-5	592.88	-99.99		-99.99	-99.99	1774.00	-999.99
440B-49-1	596.40	-99.99		-99.99	-99.99	1793.00	-999.99
440B-49-3	599.18	-99.99	I, M	-99.99	6.00	1828.00	-999.99
440B-49-5	601.97	-99.99		-99.99	-99.99	1873.00	-999.99
440B-5-1	178.22	-99.99		-99.99	-99.99	1469.00	-999.99
440B-5-3	181.79	-99.99		-99.99	-99.99	1610.00	-999.99
440B-5-5	184.40	-99.99		-99.99	-99.99	1689.00	-999.99
440B-50-1	606.06	-99.99	I, M	-99.99	0.50	1846.00	-999.99
440B-51-1	614.81	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-51-4	617.60	-99.99		-99.99	-99.99	1796.00	-999.99
440B-52-1	624.60	-99.99		-99.99	-99.99	1835.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
440B-52-2	626.65	-99.99		-99.99	-99.99	1877.00	-999.99
440B-52-3	627.53	-99.99		-99.99	-99.99	1792.00	-999.99
440B-53-1	634.90	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-53-2	635.24	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-53-3	637.00	-99.99		-99.99	-99.99	1852.00	-999.99
440B-53-4	638.57	-99.99	M, I	-99.99	0.00	1883.00	-999.99
440B-53-5	640.10	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-53-6	641.42	-99.99		-99.99	-99.99	1834.00	-999.99
440B-54-1	643.70	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-54-2	644.99	-99.99		-99.99	-99.99	1818.00	-999.99
440B-54-3	646.15	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-54-4	648.00	-99.99	M, I	-99.99	0.50	1863.00	-999.99
440B-55-1	652.90	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-55-2	654.39	-99.99		-99.99	-99.99	1916.00	-999.99
440B-55-3	655.70	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-55-4	657.48	-99.99	I, M	-99.99	0.00	1770.00	-999.99
440B-55-5	659.10	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-55-6	660.27	-99.99		-99.99	-99.99	1843.00	-999.99
440B-56-1	662.82	-99.99		-99.99	-99.99	1790.00	-999.99
440B-56-2	664.58	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-56-3	665.77	-99.99		-99.99	-99.99	1814.00	-999.99
440B-57-1	672.13	-99.99		-99.99	-99.99	1856.00	-999.99
440B-57-2	673.35	-99.99		-99.99	-99.99	1862.00	-999.99
440B-57-3	675.16	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-57-4	677.08	-99.99	M, I	-99.99	0.00	1850.00	-999.99
440B-58-2	682.90	-99.99		-99.99	-99.99	1809.00	-999.99
440B-58-4	686.26	-99.99		-99.99	-99.99	1927.00	-999.99
440B-59-2	692.60	-99.99		-99.99	-99.99	1855.00	-999.99
440B-59-4	695.52	-99.99		-99.99	-99.99	1961.00	-999.99
440B-6-1	188.27	-99.99		-99.99	-99.99	1680.00	-999.99
440B-6-3	190.40	-99.99		-99.99	-99.99	1499.00	-999.99
440B-6-5	193.15	-99.99		-99.99	-99.99	1545.00	-999.99
440B-60-2	702.40	-99.99	I	-99.99	6.00	1934.00	-999.99
440B-60-3	703.40	-99.99		-99.99	-99.99	1799.00	-999.99
440B-61-2	711.43	-99.99		-99.99	-99.99	1824.00	-999.99
440B-62-1	720.08	-99.99		-99.99	-99.99	1854.00	-999.99
440B-63-2	730.75	-99.99		-99.99	-99.99	1787.00	-999.99
440B-63-4	733.21	-99.99		-99.99	-99.99	1956.00	-999.99
440B-64-1	738.40	-99.99		-99.99	-99.99	1827.00	-999.99
440B-64-2	740.30	-99.99		-99.99	-99.99	1867.00	-999.99
440B-65-1	748.40	-99.99	I	-99.99	0.00	2034.00	-999.99
440B-66-1	757.70	-99.99	I, M	-99.99	0.00	1837.00	-999.99
440B-66-2	759.32	-99.99		-99.99	-99.99	1919.00	-999.99
440B-66-3	760.39	-99.99		-99.99	-99.99	2012.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
440B-67-1	767.59	-99.99		-99.99	-99.99	2027.00	-999.99
440B-67-2	768.93	-99.99		-99.99	-99.99	1940.00	-999.99
440B-68-1	777.80	-99.99		-99.99	-99.99	1957.00	-999.99
440B-68-3	779.00	-99.99	I, M	-99.99	4.00	2159.00	-999.99
440B-69-1	786.73	-99.99		-99.99	-99.99	-9999.99	-999.99
440B-69-2	787.10	-99.99	I, M	-99.99	3.00	1969.00	-999.99
440B-69-3	789.77	-99.99		-99.99	-99.99	1845.00	-999.99
440B-7-2	198.26	-99.99		-99.99	-99.99	1564.00	-999.99
440B-7-4	202.15	-99.99	M, I	-99.99	0.00	1684.00	-999.99
440B-7-5	203.04	-99.99		-99.99	-99.99	1630.00	-999.99
440B-71-1	805.03	-99.99		-99.99	-99.99	1979.00	-999.99
440B-71-2	807.20	-99.99	M, I	-99.99	0.00	2001.00	-999.99
440B-9-1	216.18	-99.99		-99.99	-99.99	1613.00	-999.99
440B-9-3	219.08	-99.99		-99.99	-99.99	1564.00	-999.99
441-2-1	7.50	-99.99		-99.99	-99.99	1524.00	-999.99
441-2-2	8.49	-99.99		-99.99	-99.99	1523.00	-999.99
441-2-4	11.67	-99.99		-99.99	-99.99	1532.00	-999.99
441-7-1	150.00	-99.99		-99.99	-99.99	-9999.99	-999.99
441-9-1	264.07	-99.99		-99.99	-99.99	1652.00	-999.99
441-9-2	266.00	-99.99		-99.99	-99.99	1793.00	-999.99
441A-10-2	578.53	-99.99		-99.99	-99.99	2943.00	-999.99
441A-11-1	586.63	-99.99	M, I	-99.99	0.00	2412.00	-999.99
441A-12-1	605.95	-99.99	M, I	-99.99	0.00	-9999.99	-999.99
441A-13-1	624.91	-99.99	M, I	-99.99	0.00	-9999.99	-999.99
441A-14-1	644.48	-99.99	I, M	-99.99	0.00	2477.00	-999.99
441A-15-1	653.59	-99.99		-99.99	-99.99	2696.00	-999.99
441A-2-1	130.16	-99.99		-99.99	-99.99	-9999.99	-999.99
441A-8-1	510.90	-99.99	M, I	-99.99	0.00	1757.00	-999.99
441A-9-1	568.00	-99.99		-99.99	-99.99	2927.00	-999.99
441A-H1-1	291.50	-99.99	M, I	-99.99	0.00	-9999.99	-999.99
441A-H1-2	291.50	-99.99	M, I	-99.99	0.00	1711.00	-999.99
441A-H1-3	291.50	-99.99	M, I	-99.99	0.00	1725.00	-999.99
441A-H1-4	291.50	-99.99	M, I	-99.99	0.00	1781.00	-999.99
441A-H2-1	362.25	-99.99		-99.99	-99.99	1672.00	-999.99
441A-H3-1	476.00	-99.99		-99.99	-99.99	1919.00	-999.99
441A-H3-3	476.00	-99.99		-99.99	-99.99	1829.00	-999.99
441A-H4-2	544.00	-99.99		-99.99	-99.99	1891.00	-999.99
441B-1-1	335.95	-99.99		-99.99	-99.99	-9999.99	-999.99
441B-1-2	338.46	-99.99	I, M	-99.99	0.00	-9999.99	-999.99
441B-2-1	668.59	-99.99		-99.99	-99.99	-9999.99	-999.99
441B-H1-1	373.00	-99.99		-99.99	-99.99	-9999.99	-999.99
441B-H1-2	373.00	-99.99		-99.99	-99.99	-9999.99	-999.99
452-1	4.50	-99.99		-99.99	-99.99	1524.00	-999.99
452-2	13.75	-99.99		-99.99	-99.99	1514.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
452-3	23.25	-99.99		-99.99	-99.99	1511.00	-999.99
452A-1	4.25	-99.99	M	-99.99	0.00	1520.00	-999.99
452A-2	13.25	-99.99		-99.99	-99.99	1506.00	-999.99
452A-3	22.75	-99.99		-99.99	-99.99	1518.00	-999.99
453-1	4.50	-99.99		-99.99	-99.99	-9999.99	-999.99
453-1-2	2.50	-99.99		-99.99	-99.99	1520.00	-999.99
453-1-3	3.80	-99.99		-99.99	-99.99	1520.00	-999.99
453-1-4	5.64	-99.99		-99.99	-99.99	1510.00	-999.99
453-1-5	7.00	-99.99		-99.99	-99.99	1500.00	-999.99
453-1-6	7.53	-99.99		-99.99	-99.99	1520.00	-999.99
453-10	89.75	-99.99	M	-99.99	3.90	-9999.99	-999.99
453-10-2	87.50	-99.99	M	-99.99	3.90	1560.00	-999.99
453-10-3	88.13	-99.99		-99.99	-99.99	1620.00	-999.99
453-11	99.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-11-1	94.93	-99.99		-99.99	-99.99	1550.00	-999.99
453-11-2	96.43	-99.99		-99.99	-99.99	1780.00	-999.99
453-11-3	98.10	-99.99		-99.99	-99.99	1510.00	-999.99
453-11-4	99.43	-99.99	M	-99.99	0.00	1520.00	-999.99
453-11-5	100.93	-99.99		-99.99	-99.99	1560.00	-999.99
453-11-6	102.43	-99.99		-99.99	-99.99	1550.00	-999.99
453-13	118.25	-99.99		-99.99	-99.99	-9999.99	-999.99
453-13-1	114.33	-99.99		-99.99	-99.99	1540.00	-999.99
453-14	127.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-14-1	123.46	-99.99		-99.99	-99.99	1620.00	-999.99
453-14-2	125.26	-99.99		-99.99	-99.99	1790.00	-999.99
453-14-CC	126.00	-99.99		-99.99	-99.99	1920.00	-999.99
453-15	137.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-15-1	133.13	-99.99	M	-99.99	0.00	1790.00	-999.99
453-15-2	134.29	-99.99		-99.99	-99.99	1750.00	-999.99
453-17	156.25	-99.99		-99.99	-99.99	-9999.99	-999.99
453-17-1	151.96	-99.99		-99.99	-99.99	1860.00	-999.99
453-18	165.75	-99.99	M	-99.99	4.20	-9999.99	-999.99
453-18-1	162.03	-99.99	M	-99.99	0.00	1720.00	-999.99
453-18-5	168.37	-99.99		-99.99	-99.99	1830.00	-999.99
453-19-1	170.78	-99.99	M	-99.99	0.00	1630.00	-999.99
453-2	13.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-2-1	10.00	-99.99		-99.99	-99.99	1510.00	-999.99
453-2-2	12.30	-99.99		-99.99	-99.99	1510.00	-999.99
453-2-3	12.85	-99.99		-99.99	-99.99	1510.00	-999.99
453-2-4	13.60	-99.99		-99.99	-99.99	1520.00	-999.99
453-20	184.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-20-1	181.40	-99.99		-99.99	-99.99	1610.00	-999.99
453-20-2	181.90	-99.99		-99.99	-99.99	1630.00	-999.99
453-21-1	190.70	-99.99		-99.99	-99.99	1810.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
453-22	203.75	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-22-1	200.48	-99.99		-99.99	-99.99	1830.00	-999.99
453-22-2	201.13	-99.99	M	-99.99	0.00	1800.00	-999.99
453-23	213.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-23-1	209.55	-99.99	M	-99.99	0.00	1730.00	-999.99
453-24-2	220.50	-99.99		-99.99	-99.99	1655.00	-999.99
453-25	232.25	-99.99		-99.99	-99.99	-9999.99	-999.99
453-25-1	227.99	-99.99		-99.99	-99.99	1670.00	-999.99
453-26	241.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-26-1	237.49	-99.99		-99.99	-99.99	1620.00	-999.99
453-27	251.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-27-1	247.00	-99.99		-99.99	-99.99	1750.00	-999.99
453-27-2	249.09	-99.99	M	-99.99	0.00	1710.00	-999.99
453-28	260.75	-99.99	M	-99.99	4.50	-9999.99	-999.99
453-28-1	256.05	-99.99		-99.99	-99.99	1640.00	-999.99
453-28-2	257.79	-99.99	M	-99.99	4.50	1660.00	-999.99
453-29	270.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-29-1	266.10	-99.99		-99.99	-99.99	2025.00	-999.99
453-29-2	267.33	-99.99	M	-99.99	0.00	2000.00	-999.99
453-29-3	268.82	-99.99		-99.99	-99.99	2430.00	-999.99
453-29-4	270.52	-99.99		-99.99	-99.99	1930.00	-999.99
453-3	23.25	-99.99	M, I	-99.99	0.00	-9999.99	-999.99
453-3-1	18.50	-99.99		-99.99	-99.99	1510.00	-999.99
453-3-2	20.45	-99.99	M, I	-99.99	0.00	1500.00	-999.99
453-30	279.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-30-1	276.03	-99.99		-99.99	-99.99	1680.00	-999.99
453-31	289.25	-99.99		-99.99	-99.99	-9999.99	-999.99
453-31-2	286.68	-99.99		-99.99	-99.99	1760.00	-999.99
453-32	298.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-32-1	295.25	-99.99		-99.99	-99.99	2160.00	-999.99
453-32-2	295.88	-99.99		-99.99	-99.99	1980.00	-999.99
453-32-3	297.70	-99.99		-99.99	-99.99	1970.00	-999.99
453-33	308.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-33-1	304.20	-99.99		-99.99	-99.99	1950.00	-999.99
453-33-2	305.30	-99.99		-99.99	-99.99	2090.00	-999.99
453-33-3	207.60	-99.99		-99.99	-99.99	2140.00	-999.99
453-34	317.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-34-1	313.72	-99.99		-99.99	-99.99	2330.00	-999.99
453-34-2	315.66	-99.99		-99.99	-99.99	2150.00	-999.99
453-34-3	316.89	-99.99		-99.99	-99.99	2030.00	-999.99
453-35	327.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-35-1	323.59	-99.99		-99.99	-99.99	2020.00	-999.99
453-35-2	324.04	-99.99		-99.99	-99.99	2020.00	-999.99
453-35-3	326.36	-99.99	M	-99.99	0.00	2120.00	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
453-36	336.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-36-1	332.72	-99.99		-99.99	-99.99	1700.00	-999.99
453-36-2	334.32	-99.99		-99.99	-99.99	1680.00	-999.99
453-36-3	336.06	-99.99		-99.99	-99.99	1970.00	-999.99
453-36-4	337.63	-99.99		-99.99	-99.99	1980.00	-999.99
453-36-5	338.73	-99.99		-99.99	-99.99	2390.00	-999.99
453-37	346.25	-99.99		-99.99	-99.99	-9999.99	-999.99
453-37-1	341.87	-99.99		-99.99	-99.99	1950.00	-999.99
453-37-2	343.20	-99.99		-99.99	-99.99	2170.00	-999.99
453-37-4	346.55	-99.99		-99.99	-99.99	2250.00	-999.99
453-38	355.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-38-1	352.00	-99.99		-99.99	-99.99	2090.00	-999.99
453-38-2	353.04	-99.99		-99.99	-99.99	2010.00	-999.99
453-39	365.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-39-1	361.22	-99.99	M	-99.99	0.00	2100.00	-999.99
453-39-2	362.30	-99.99		-99.99	-99.99	2120.00	-999.99
453-39-4	365.54	-99.99		-99.99	-99.99	1910.00	-999.99
453-4	32.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-4-2	30.55	-99.99		-99.99	-99.99	1540.00	-999.99
453-4-3	32.00	-99.99		-99.99	-99.99	1530.00	-999.99
453-4-4	33.50	-99.99		-99.99	-99.99	1530.00	-999.99
453-4-5	34.60	-99.99		-99.99	-99.99	1530.00	-999.99
453-4-6	35.80	-99.99		-99.99	-99.99	1570.00	-999.99
453-40	374.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-40-1	370.72	-99.99		-99.99	-99.99	1900.00	-999.99
453-40-2	372.48	-99.99		-99.99	-99.99	1930.00	-999.99
453-40-4	375.02	-99.99		-99.99	-99.99	1900.00	-999.99
453-41	384.25	-99.99		-99.99	-99.99	-9999.99	-999.99
453-41-2	381.81	-99.99		-99.99	-99.99	2190.00	-999.99
453-42	393.75	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-42-1	390.05	-99.99		-99.99	-99.99	2220.00	-999.99
453-42-2	391.02	-99.99	M	-99.99	0.00	2260.00	-999.99
453-43	403.25	-99.99		-99.99	-99.99	-9999.99	-999.99
453-43-3	401.80	-99.99		-99.99	-99.99	2260.00	-999.99
453-44	412.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-44-1	408.36	-99.99		-99.99	-99.99	2240.00	-999.99
453-44-2	409.73	-99.99		-99.99	-99.99	2220.00	-999.99
453-45	422.25	-99.99		-99.99	-99.99	-9999.99	-999.99
453-45-1	417.95	-99.99		-99.99	-99.99	2420.00	-999.99
453-45-2	420.06	-99.99		-99.99	-99.99	2450.00	-999.99
453-45-4	422.50	-99.99		-99.99	-99.99	2580.00	-999.99
453-46	431.75	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-46-1	427.14	-99.99	M	-99.99	0.00	2140.00	-999.99
453-47	441.25	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
453-47-1	436.79	-99.99		-99.99	-99.99	2190.00	-999.99
453-47-3	439.82	-99.99		-99.99	-99.99	2170.00	-999.99
453-5	42.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-5-1	38.25	-99.99		-99.99	-99.99	1540.00	-999.99
453-5-2	39.35	-99.99		-99.99	-99.99	1560.00	-999.99
453-6	51.75	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-6-1	48.00	-99.99	M	-99.99	0.00	1580.00	-999.99
453-8	70.75	-99.99		-99.99	-99.99	-9999.99	-999.99
453-8-1	66.86	-99.99		-99.99	-99.99	1560.00	-999.99
453-8-2	67.90	-99.99		-99.99	-99.99	1550.00	-999.99
453-8-3	69.80	-99.99		-99.99	-99.99	1550.00	-999.99
453-8-4	71.40	-99.99		-99.99	-99.99	1560.00	-999.99
453-9	80.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
453-9-1	75.71	-99.99	M	-99.99	0.00	1620.00	-999.99
454-3	14.75	-99.99		-99.99	-99.99	-9999.99	-999.99
454-3-1	10.99	-99.99		-99.99	-99.99	1530.00	-999.99
454-3-3	13.56	-99.99		-99.99	-99.99	1550.00	-999.99
454-4	24.25	-99.99	M	-99.99	3.20	-9999.99	-999.99
454-4-1	20.27	-99.99		-99.99	-99.99	1540.00	-999.99
454-4-3	23.72	-99.99		-99.99	-99.99	1520.00	-999.99
454-4-5	26.52	-99.99	M	-99.99	3.20	1520.00	-999.99
454-5	33.75	-99.99	M	-99.99	0.00	-9999.99	-999.99
454-5-3	33.06	-99.99		-99.99	-99.99	1540.00	-999.99
454-5-5	36.06	-99.99		-99.99	-99.99	1520.00	-999.99
454A-1	5.25	-99.99		-99.99	-99.99	-9999.99	-999.99
454A-1-1	1.27	-99.99		-99.99	-99.99	1520.00	-999.99
454A-13	144.50	-99.99		-99.99	-99.99	-9999.99	-999.99
454A-13-1	140.45	-99.99		-99.99	-99.99	2215.00	-999.99
455-2	13.75	-99.99		-99.99	-99.99	1565.00	-999.99
455-3	23.25	-99.99		-99.99	-99.99	1590.00	-999.99
456-10	81.25	-99.99		-99.99	-99.99	-9999.99	-999.99
456-10-1	162.00	-99.99		-99.99	-99.99	1860.00	-999.99
456-10-3	79.80	-99.99		-99.99	-99.99	1910.00	-999.99
456-11	90.75	-99.99		-99.99	-99.99	-9999.99	-999.99
456-11-1	86.32	-99.99		-99.99	-99.99	1980.00	-999.99
456-12	100.25	-99.99		-99.99	-99.99	-9999.99	-999.99
456-12-1	95.53	-99.99		-99.99	-99.99	1850.00	-999.99
456-13	109.75	-99.99		-99.99	-99.99	-9999.99	-999.99
456-13-CC	105.28	-99.99		-99.99	-99.99	1980.00	-999.99
456-14-CC	115.66	-99.99		-99.99	-99.99	2110.00	-999.99
456-7	52.75	-99.99	M	-99.99	6.40	-9999.99	-999.99
456-7-1	48.67	-99.99		-99.99	-99.99	1590.00	-999.99
456-7-2	50.03	-99.99	M	-99.99	6.40	1570.00	-999.99
456-9	71.75	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
456-9-1	67.59	-99.99		-99.99	-99.99	2270.00	-999.99
456A-1	4.75	-99.99	M,I	-99.99	0.00	-9999.99	-999.99
456A-1-5	6.00	-99.99		-99.99	-99.99	1570.00	-999.99
456A-1-7	7.95	-99.99	M,I	-99.99	0.00	1600.00	-999.99
456A-10	109.25	-99.99		-99.99	-99.99	-9999.99	-999.99
456A-10-1	105.08	-99.99		-99.99	-99.99	2030.00	-999.99
456A-10-3	108.08	-99.99		-99.99	-99.99	1910.00	-999.99
456A-3	42.75	-99.99	M	-99.99	0.00	-9999.99	-999.99
456A-3-2	39.90	-99.99		-99.99	-99.99	1580.00	-999.99
456A-4	52.25	-99.99		-99.99	-99.99	-9999.99	-999.99
456A-5	61.75	-99.99		-99.99	-99.99	-9999.99	-999.99
456A-5-1	57.98	-99.99		-99.99	-99.99	2030.00	-999.99
456A-5-2	58.65	-99.99		-99.99	-99.99	2400.00	-999.99
456A-6-1	66.76	-99.99		-99.99	-99.99	2150.00	-999.99
456A-7	80.75	-99.99	M	-99.99	0.00	-9999.99	-999.99
456A-7-1	76.63	-99.99	M	-99.99	0.00	2170.00	-999.99
456A-7-2	78.12	-99.99		-99.99	-99.99	2120.00	-999.99
456A-8	90.25	-99.99		-99.99	-99.99	-9999.99	-999.99
456A-8-1	86.75	-99.99		-99.99	-99.99	1810.00	-999.99
456A-9-1	95.31	-99.99		-99.99	-99.99	1880.00	-999.99
456A-9-2	96.78	-99.99		-99.99	-99.99	1840.00	-999.99
458-1	4.75	-99.99		-99.99	-99.99	-9999.99	-999.99
458-1-2	1.72	-99.99		-99.99	-99.99	1540.00	-999.99
458-1-4	5.53	-99.99		-99.99	-99.99	1530.00	-999.99
458-13	118.75	-99.99		-99.99	-99.99	-9999.99	-999.99
458-13-1	114.30	-99.99		-99.99	-99.99	1600.00	-999.99
458-16	147.25	-99.99		-99.99	-99.99	-9999.99	-999.99
458-16-1	142.67	-99.99		-99.99	-99.99	2120.00	-999.99
458-16-2	144.41	-99.99		-99.99	-99.99	1860.00	-999.99
458-17	156.75	-99.99		-99.99	-99.99	-9999.99	-999.99
458-17-1	152.09	-99.99		-99.99	-99.99	2000.00	-999.99
458-2	14.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
458-2-1	10.65	-99.99		-99.99	-99.99	1550.00	-999.99
458-2-2	11.83	-99.99		-99.99	-99.99	1560.00	-999.99
458-2-3	13.13	-99.99		-99.99	-99.99	1560.00	-999.99
458-2-5	15.77	-99.99		-99.99	-99.99	1550.00	-999.99
458-3	23.75	-99.99		-99.99	-99.99	-9999.99	-999.99
458-3-1	19.64	-99.99		-99.99	-99.99	1550.00	-999.99
458-3-2	21.14	-99.99		-99.99	-99.99	1550.00	-999.99
458-4	33.25	-99.99		-99.99	-99.99	-9999.99	-999.99
458-4-1	29.72	-99.99		-99.99	-99.99	1530.00	-999.99
458-4-2	30.15	-99.99		-99.99	-99.99	1550.00	-999.99
458-6	52.25	-99.99		-99.99	-99.99	-9999.99	-999.99
458-6-2	49.46	-99.99		-99.99	-99.99	1550.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
458-6-3	51.77	-99.99		-99.99	-99.99	1580.00	-999.99
458-7	61.75	-99.99		-99.99	-99.99	-9999.99	-999.99
458-7-1	57.92	-99.99		-99.99	-99.99	1590.00	-999.99
458-7-3	60.33	-99.99		-99.99	-99.99	1600.00	-999.99
458-7-4	62.71	-99.99		-99.99	-99.99	1560.00	-999.99
458-8	71.25	-99.99		-99.99	-99.99	-9999.99	-999.99
458-9	80.75	-99.99		-99.99	-99.99	-9999.99	-999.99
458-9-2	77.75	-99.99		-99.99	-99.99	1580.00	-999.99
459-1	1.75	-99.99		-99.99	-99.99	-9999.99	-999.99
459-1-1	1.05	-99.99		-99.99	-99.99	1550.00	-999.99
459-1-2	2.35	-99.99		-99.99	-99.99	1540.00	-999.99
459-1-3	4.01	-99.99		-99.99	-99.99	1550.00	-999.99
459-1-4	5.42	-99.99		-99.99	-99.99	1560.00	-999.99
459-1-5	6.42	-99.99		-99.99	-99.99	1570.00	-999.99
459-11-1	93.48	-99.99		-99.99	-99.99	1830.00	-999.99
459-11-2	94.99	-99.99		-99.99	-99.99	1870.00	-999.99
459-14-1	122.20	-99.99		-99.99	-99.99	1935.00	-999.99
459-19-1	169.11	-99.99		-99.99	-99.99	1700.00	-999.99
459-2-1	8.62	-99.99		-99.99	-99.99	1550.00	-999.99
459-2-2	9.41	-99.99		-99.99	-99.99	1560.00	-999.99
459-2-3	10.80	-99.99		-99.99	-99.99	1560.00	-999.99
459-2-4	12.80	-99.99		-99.99	-99.99	1600.00	-999.99
459-2-5	13.70	-99.99		-99.99	-99.99	1600.00	-999.99
459-25-1	226.15	-99.99		-99.99	-99.99	1780.00	-999.99
459-25-CC	230.99	-99.99		-99.99	-99.99	1750.00	-999.99
459-27-1	245.58	-99.99		-99.99	-99.99	1850.00	-999.99
459-28-1	254.66	-99.99		-99.99	-99.99	1950.00	-999.99
459-28-CC	259.16	-99.99		-99.99	-99.99	2120.00	-999.99
459-29-1	264.02	-99.99		-99.99	-99.99	1970.00	-999.99
459-29-2	265.57	-99.99		-99.99	-99.99	2020.00	-999.99
459-30-2	275.53	-99.99		-99.99	-99.99	1750.00	-999.99
459-30-4	278.86	-99.99		-99.99	-99.99	1810.00	-999.99
459-31-1	283.56	-99.99		-99.99	-99.99	1940.00	-999.99
459-32-1	292.53	-99.99		-99.99	-99.99	1730.00	-999.99
459-34-2	313.74	-99.99		-99.99	-99.99	1800.00	-999.99
459-35-1	321.11	-99.99		-99.99	-99.99	1730.00	-999.99
459-35-2	323.21	-99.99		-99.99	-99.99	1750.00	-999.99
459-36-2	332.12	-99.99		-99.99	-99.99	1770.00	-999.99
459-38-1	349.61	-99.99		-99.99	-99.99	1830.00	-999.99
459-39-1	360.06	-99.99		-99.99	-99.99	1730.00	-999.99
459-40-1	368.57	-99.99		-99.99	-99.99	1860.00	-999.99
459-43-1	398.30	-99.99		-99.99	-99.99	1990.00	-999.99
459-44-1	406.78	-99.99		-99.99	-99.99	1970.00	-999.99
459-45-1	416.17	-99.99		-99.99	-99.99	2200.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
459-47-1	435.40	-99.99		-99.99	-99.99	1740.00	-999.99
459-49-1	454.06	-99.99		-99.99	-99.99	1880.00	-999.99
459-50-1	464.87	-99.99		-99.99	-99.99	1870.00	-999.99
459-52-1	483.81	-99.99		-99.99	-99.99	1730.00	-999.99
459-53-1	492.63	-99.99		-99.99	-99.99	1660.00	-999.99
459-56-4	525.67	-99.99		-99.99	-99.99	1825.00	-999.99
459-57-2	532.44	-99.99		-99.99	-99.99	1750.00	-999.99
459-58-1	540.56	-99.99		-99.99	-99.99	1830.00	-999.99
459-59-1	550.34	-99.99		-99.99	-99.99	1770.00	-999.99
459-6-1	46.07	-99.99		-99.99	-99.99	1805.00	-999.99
459-6-2	47.52	-99.99		-99.99	-99.99	1620.00	-999.99
459-6-3	49.38	-99.99		-99.99	-99.99	1695.00	-999.99
459-6-4	50.72	-99.99		-99.99	-99.99	1660.00	-999.99
459-8-1	65.13	-99.99		-99.99	-99.99	1520.00	-999.99
459-9-1	74.65	-99.99		-99.99	-99.99	1820.00	-999.99
459B-1	3.75	-99.99	M	-99.99	1.60	-9999.99	-999.99
459B-11	97.75	-99.99	M	-99.99	3.80	-9999.99	-999.99
459B-14	126.25	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-19	173.75	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-2	12.25	-99.99	M	-99.99	7.70	-9999.99	-999.99
459B-25	230.75	-99.99	M	-99.99	3.80	-9999.99	-999.99
459B-28	259.25	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-29	268.75	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-30	278.25	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-31	287.75	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-34	316.25	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-35	325.75	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-38	354.25	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-39	363.75	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-40	373.25	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-43	401.75	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-44	411.75	-99.99	M	-99.99	0.00	-9999.99	-999.99
459B-45	420.75	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-47	439.75	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-49	458.75	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-50	468.25	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-56	525.25	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-58	544.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
459B-6	50.25	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-8	69.25	-99.99		-99.99	-99.99	-9999.99	-999.99
459B-9	78.75	-99.99		-99.99	-99.99	-9999.99	-999.99
460-1	4.75	-99.99		-99.99	-99.99	-9999.99	-999.99
460-1-1	0.40	-99.99		-99.99	-99.99	1530.00	-999.99
460-1-2	1.90	-99.99		-99.99	-99.99	1510.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
460-1-3	3.30	-99.99		-99.99	-99.99	1530.00	-999.99
460-1-4	4.89	-99.99		-99.99	-99.99	1510.00	-999.99
460-3	23.75	-99.99	M,C	-99.99	0.00	-9999.99	-999.99
460-3-1	19.96	-99.99		-99.99	-99.99	1570.00	-999.99
460-3-2	21.30	-99.99	M,C	-99.99	0.00	1540.00	-999.99
460-3-3	22.75	-99.99		-99.99	-99.99	1550.00	-999.99
460-3-4	23.90	-99.99		-99.99	-99.99	1540.00	-999.99
460-4	33.25	-99.99		-99.99	-99.99	-9999.99	-999.99
460-4-1	28.72	-99.99		-99.99	-99.99	1560.00	-999.99
460-4-2	30.23	-99.99		-99.99	-99.99	1570.00	-999.99
460-4-3	32.29	-99.99		-99.99	-99.99	1530.00	-999.99
460-4-4	33.43	-99.99		-99.99	-99.99	1550.00	-999.99
460-4-5	35.45	-99.99		-99.99	-99.99	1550.00	-999.99
460-6	52.25	-99.99		-99.99	-99.99	-9999.99	-999.99
460-7	61.75	-99.99		-99.99	-99.99	-9999.99	-999.99
460-7-1	57.58	-99.99		-99.99	-99.99	1570.00	-999.99
460A-3	22.25	-99.99		-99.99	-99.99	-9999.99	-999.99
460A-3-2	12.74	-99.99		-99.99	-99.99	1540.00	-999.99
460A-3-4	22.25	-99.99		-99.99	-99.99	1530.00	-999.99
460A-4	31.75	-99.99	M,C	-99.99	3.20	-9999.99	-999.99
460A-4-1	28.26	-99.99		-99.99	-99.99	1570.00	-999.99
460A-4-2	29.35	-99.99		-99.99	-99.99	1560.00	-999.99
460A-4-4	32.27	-99.99		-99.99	-99.99	1560.00	-999.99
460A-4-5	33.60	-99.99		-99.99	-99.99	1590.00	-999.99
460A-4-6	35.32	-99.99		-99.99	-99.99	1540.00	-999.99
460A-5-2	38.65	-99.99		-99.99	-99.99	1540.00	-999.99
460A-5-3	40.25	-99.99	M,C,I	-99.99	0.00	1600.00	-999.99
460A-6	50.75	-99.99		-99.99	-99.99	-9999.99	-999.99
460A-6-1	46.75	-99.99		-99.99	-99.99	1550.00	-999.99
460A-6-2	46.81	-99.99		-99.99	-99.99	1540.00	-999.99
460A-7	60.25	-99.99		-99.99	-99.99	-9999.99	-999.99
460A-7-1	56.58	-99.99		-99.99	-99.99	1590.00	-999.99
461-1	0.75	-99.99		-99.99	-99.99	-9999.99	-999.99
461-2	6.25	-99.99	M,I	-99.99	2.60	-9999.99	-999.99
461A-1	3.00	-99.99		-99.99	-99.99	-9999.99	-999.99
462-16-5	149.70	-99.99		-99.99	-99.99	1552.00	-999.99
462-19-5	177.50	-99.99		-99.99	-99.99	1550.00	-999.99
462-48-2	448.98	-99.99	M	-99.99	52.50	1767.00	-999.99
462-49-2	458.25	-99.99		-99.99	-99.99	1983.00	-999.99
462-50-5	473.44	-99.99		-99.99	-99.99	1781.00	-999.99
462-52-2	487.28	-99.99		-99.99	7.90	2030.00	-999.99
462-53-1	494.77	-99.99	M	-99.99	50.90	1921.00	-999.99
462-53-CC	497.10	-99.99		-99.99	-99.99	2121.00	-999.99
462-55-5	519.64	-99.99		-99.99	-99.99	1954.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
462-56-1	523.50	85.30	I	0.00	0.10	1769.00	-999.99
462-57-1	532.85	-99.99		-99.99	-99.99	1798.00	-999.99
462-57-2	534.02	-99.99		-99.99	-99.99	1843.00	-999.99
462-58-1	541.19	-99.99		-99.99	-99.99	1827.00	-999.99
462-58-4	545.75	-99.99	M	-99.99	0.00	1957.00	-999.99
462-59-1	550.04	-99.99		-99.99	-99.99	1879.00	-999.99
462-60-1	558.78	-99.99		-99.99	-99.99	1777.00	-999.99
462A-10-1	525.25	-99.99		-99.99	-99.99	1752.00	-999.99
462A-10-2	526.97	-99.99		-99.99	-99.99	1744.00	-999.99
462A-10-3	529.33	78.00		0.00	0.00	1884.00	-999.99
462A-11-1	535.67	-99.99		-99.99	-99.99	1977.00	-999.99
462A-12-1	544.81	-99.99		-99.99	-99.99	1791.00	-999.99
462A-13-1	553.19	-99.99		-99.99	-99.99	1870.00	-999.99
462A-13-2	555.54	-99.99		-99.99	-99.99	2192.00	-999.99
462A-14-1	563.27	-99.99		-99.99	-99.99	2289.00	-999.99
462A-15-1	566.50	-99.99		-99.99	-99.99	2085.00	-999.99
462A-8-1	488.21	-99.99		-99.99	-99.99	2189.00	-999.99
462A-8-3	490.19	-99.99		-99.99	-99.99	2085.00	-999.99
462A-9-1	516.40	-99.99		-99.99	-99.99	2226.00	-999.99
462A-9-6	523.42	-99.99		-99.99	-99.99	1784.00	-999.99
462A-H-3-1	449.20	-99.99		-99.99	-99.99	2037.00	-999.99
475-11	96.25	58.00		4.30	1.50	-9999.99	-999.99
475-13	115.25	47.33		1.33	4.50	-9999.99	-999.99
475-3	20.25	57.10		3.25	17.50	-9999.99	-999.99
475-4	29.75	-99.99		-99.99	-99.99	-9999.99	-999.99
475-5	39.25	53.40		8.66	6.50	-9999.99	-999.99
475-6	48.75	48.52		4.83	5.00	-9999.99	-999.99
475-7	58.25	-99.99		-99.99	-99.99	-9999.99	-999.99
475-8	67.75	43.04		3.53	1.30	-9999.99	-999.99
475-9	77.25	60.14		3.51	2.50	-9999.99	-999.99
477-2	5.75	-99.99		-99.99	6.00	-9999.99	-999.99
477-3	15.25	61.14	M	2.55	9.00	-9999.99	-999.99
482A-1-4	5.30	-99.99		-99.99	-99.99	-9999.99	-999.99
482A-2-4	11.10	-99.99		-99.99	-99.99	-9999.99	-999.99
482A-4-4	30.00	42.28		0.08	-99.99	1520.00	-999.99
482B-1-4	49.89	62.93		2.02	-99.99	-9999.99	-999.99
482B-10-5	136.35	53.54	M	0.64	0.00	1530.00	-999.99
482B-19-1	193.31	-99.99	M	-99.99	0.00	1990.00	-999.99
482B-2-4	58.35	39.86		0.51	-99.99	-9999.99	-999.99
482B-4-3	76.30	33.00		1.46	-99.99	1540.00	-999.99
482B-5-3	85.36	34.00		0.37	-99.99	-9999.99	-999.99
482B-7-2	103.00	76.08	M	0.79	0.00	1490.00	-999.99
482B-8-4	115.90	38.30		0.30	-99.99	1520.00	-999.99
482D-1-3	75.30	42.35		0.00	-99.99	1470.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
482D-2-3	84.95	47.53		0.06	-99.99	-9999.99	-999.99
482D-3-2	92.90	31.64		0.62	-99.99	1480.00	-999.99
482D-4-2	102.49	45.50	M	4.50	0.00	-9999.99	-999.99
482D-5-1	110.30	32.30		0.61	-99.99	1510.00	-999.99
482D-6-2	120.90	-99.99		-99.99	-99.99	1670.00	-999.99
482D-7-2	130.60	49.60		0.00	-99.99	-9999.99	-999.99
483-10-2	78.91	35.24	M	1.74	3.00	1490.00	-999.99
483-11-4	91.52	48.38	M	0.76	-99.99	1510.00	-999.99
483-12-4	101.03	35.26		2.60	-99.99	1510.00	-999.99
483-13-2	107.39	40.50	M	6.20	-99.99	1500.00	-999.99
483-18-4	155.74	40.00	M	2.30	-99.99	1580.00	-999.99
483-2-3	4.54	53.80	M	3.80	3.00	1470.00	-999.99
483-3-2	12.65	64.70	M	12.70	3.00	1480.00	-999.99
483-4-2	21.93	63.20	M	0.80	0.00	1490.00	-999.99
483-6-2	41.25	45.80	M	3.50	15.00	1490.00	-999.99
483-7-4	53.88	63.00		1.60	-99.99	1490.00	-999.99
483-8-4	62.94	30.43		1.12	-99.99	1490.00	-999.99
483-9-4	72.70	35.00		1.20	-99.99	1490.00	-999.99
483B-1-3	95.65	39.66		1.41	-99.99	1520.00	-999.99
483B-1-5	98.30	57.00		0.86	-99.99	1520.00	-999.99
483B-2-3	104.98	42.67		1.13	-99.99	1570.00	-999.99
483B-2-4	106.10	49.20		0.90	-99.99	-9999.99	-999.99
483B-2-6	109.45	36.65	M	1.80	-99.99	1530.00	-999.99
483B-25-2	232.55	38.11		1.94	-99.99	2220.00	-999.99
483C-1-1	38.85	57.83		1.02	-99.99	-9999.99	-999.99
483C-1-2	40.96	64.62		2.41	-99.99	-9999.99	-999.99
483C-1-3	42.05	53.48	M	0.83	2.00	-9999.99	-999.99
483C-1-4	43.60	40.94		0.96	-99.99	-9999.99	-999.99
483C-1-5	45.40	46.46		0.90	-99.99	-9999.99	-999.99
483C-2-3	89.09	53.13		5.25	-99.99	-9999.99	-999.99
483C-2-7	94.15	31.40		0.94	-99.99	1515.00	-999.99
483C-3-2	97.90	45.30	M	1.90	0.00	1550.00	-999.99
483C-4-1	105.26	57.60	I, M	1.20	0.00	1670.00	-999.99
483C-4-2	106.66	58.67		0.82	-99.99	1620.00	-999.99
484-1-2	2.00	49.20	M, I	2.15	6.00	1490.00	-999.99
484-1-4	4.62	48.34		7.58	-99.99	1500.00	-999.99
484A-1-3	3.93	50.98	M	0.57	-99.99	-9999.99	-999.99
484A-1-4	5.11	43.89		0.98	-99.99	-9999.99	-999.99
484A-2-4	13.49	36.10		12.00	-99.99	-9999.99	-999.99
484A-2-5	14.80	53.36		1.37	-99.99	-9999.99	-999.99
484A-3-4	23.05	67.23		0.10	-99.99	1680.00	-999.99
484A-3-6	25.04	58.19		3.77	-99.99	1470.00	-999.99
484A-4-3	30.23	49.20		4.80	-99.99	1480.00	-999.99
484A-4-4	31.94	47.85		0.82	-99.99	1480.00	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
484A-5-4	41.65	-99.99		-99.99	-99.99	1630.00	-999.99
484A-6-4	51.77	49.32		0.30	-99.99	1480.00	-999.99
484A-6-5	52.13	51.84	M	0.86	-99.99	1440.00	-999.99
485-1-2	2.14	29.60	M	0.16	5.00	1500.00	-999.99
485-2-3	6.71	61.63		0.45	-99.99	1500.00	-999.99
485-3-6	20.95	38.45		0.40	-99.99	1500.00	-999.99
485-4-3	25.32	48.10		0.10	-99.99	1510.00	-999.99
485-5-4	37.00	43.48		0.70	-99.99	1550.00	-999.99
485-6-7	50.03	43.43		0.75	-99.99	1480.00	-999.99
485A-1-6	59.30	41.55		0.61	-99.99	1520.00	-999.99
485A-10-1	137.21	-99.99		-99.99	-99.99	-9999.99	-999.99
485A-10-2	138.12	45.30	M	0.22	2.50	1650.00	-999.99
485A-19-2	190.28	36.85	M	0.39	4.50	-9999.99	-999.99
485A-2-4	64.98	37.06		0.40	-99.99	1490.00	-999.99
485A-22-1	202.27	-99.99		-99.99	4.50	-9999.99	-999.99
485A-22-3	205.88	-99.99		-99.99	-99.99	-9999.99	-999.99
485A-26-1	226.51	33.80	M	0.00	-99.99	-9999.99	-999.99
485A-27-1	231.71	43.76	M	0.20	3.50	-9999.99	-999.99
485A-28-1	236.13	45.60	ML	0.00	-99.99	-9999.99	-999.99
485A-3-2	72.10	32.20	M	1.40	3.50	-9999.99	-999.99
485A-3-3	72.91	-99.99		-99.99	-99.99	1450.00	-999.99
485A-36-1	295.70	-99.99	M	-99.99	-99.99	2350.00	-999.99
485A-37-1	304.41	48.50	M	0.26	4.50	-9999.99	-999.99
485A-38-1	313.18	-99.99	ML	-99.99	3.00	2170.00	-999.99
485A-4-1	79.42	40.30	M	0.45	2.50	1490.00	-999.99
485A-5-3	92.60	35.40	M	0.50	3.00	1550.00	-999.99
485A-6-3	101.42	35.00	M	0.00	-99.99	1610.00	-999.99
485A-7-2	109.07	44.15		1.68	-99.99	1690.00	-999.99
485A-8-2	119.53	47.86	M	0.18	3.00	1600.00	-999.99
487-10-1	78.00	-99.99		-99.99	-99.99	-9999.99	-999.99
487-10-2	78.80	-99.99		-99.99	-99.99	-9999.99	-999.99
487-10-4	82.82	-99.99	M	-99.99	0.00	-9999.99	-999.99
487-10-5	83.68	-99.99		-99.99	-99.99	-9999.99	-999.99
487-10-6	85.35	-99.99		-99.99	-99.99	1487.00	-999.99
487-11-1	87.68	-99.99		-99.99	-99.99	-9999.99	-999.99
487-11-2	89.20	-99.99		-99.99	-99.99	-9999.99	-999.99
487-11-3	90.46	-99.99		-99.99	-99.99	-9999.99	-999.99
487-11-4	91.80	-99.99	M, I	-99.99	0.00	1493.00	-999.99
487-12-3	99.65	-99.99		-99.99	-99.99	1478.00	-999.99
487-12-4	101.30	-99.99	M	-99.99	0.00	-9999.99	-999.99
487-12-5	102.48	-99.99		-99.99	-99.99	1535.00	-999.99
487-13-3	109.50	-99.99	I, M	-99.99	3.00	-9999.99	-999.99
487-13-4	110.80	-99.99		-99.99	-99.99	1535.00	-999.99
487-13-5	111.65	-99.99		-99.99	-99.99	1490.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
487-14-1	116.10	-99.99		-99.99	-99.99	-9999.99	-999.99
487-14-2	117.38	-99.99	M	-99.99	0.00	1452.00	-999.99
487-14-3	118.85	-99.99		-99.99	-99.99	1471.00	-999.99
487-15-2	127.80	-99.99	M	-99.99	0.00	-9999.99	-999.99
487-15-3	128.55	-99.99		-99.99	-99.99	1490.00	-999.99
487-15-4	130.10	-99.99		-99.99	-99.99	-9999.99	-999.99
487-15-5	131.40	-99.99		-99.99	-99.99	1461.00	-999.99
487-15-6	133.09	-99.99		-99.99	-99.99	-9999.99	-999.99
487-16-1	134.34	-99.99	M	-99.99	0.00	1483.00	-999.99
487-16-2	136.35	-99.99		-99.99	-99.99	1454.00	-999.99
487-18-2	155.50	-99.99		-99.99	-99.99	-9999.99	-999.99
487-18-4	158.80	-99.99		-99.99	-99.99	-9999.99	-999.99
487-18-5	160.00	-99.99		-99.99	-99.99	-9999.99	-999.99
487-2-1	2.10	-99.99		-99.99	-99.99	-9999.99	-999.99
487-2-2	3.60	-99.99	I	-99.99	-99.99	-9999.99	-999.99
487-2-3	4.70	-99.99		-99.99	-99.99	-9999.99	-999.99
487-2-4	5.80	-99.99		-99.99	-99.99	-9999.99	-999.99
487-3-1	11.39	-99.99		-99.99	-99.99	-9999.99	-999.99
487-3-2	12.52	-99.99		-99.99	-99.99	-9999.99	-999.99
487-3-3	14.10	-99.99	I	-99.99	0.00	-9999.99	-999.99
487-3-4	15.60	-99.99		-99.99	-99.99	-9999.99	-999.99
487-3-5	17.10	-99.99		-99.99	-99.99	-9999.99	-999.99
487-5-1	30.80	-99.99		-99.99	-99.99	-9999.99	-999.99
487-5-2	31.65	-99.99	I,C	-99.99	0.00	1452.00	-999.99
487-5-3	33.81	-99.99		-99.99	-99.99	1408.00	-999.99
487-6-1	40.10	-99.99		-99.99	-99.99	-9999.99	-999.99
487-6-2	40.70	-99.99		-99.99	-99.99	-9999.99	-999.99
487-6-3	42.70	-99.99	I	-99.99	0.00	1458.00	-999.99
487-7-1	49.70	-99.99		-99.99	-99.99	-9999.99	-999.99
487-8-1	58.85	-99.99	I,M	-99.99	0.00	-9999.99	-999.99
487-8-3	61.65	-99.99		-99.99	-99.99	-9999.99	-999.99
487-8-4	63.20	-99.99		-99.99	-99.99	-9999.99	-999.99
487-8-5	64.60	-99.99		-99.99	-99.99	-9999.99	-999.99
487-8-6	66.10	-99.99		-99.99	-99.99	1472.00	-999.99
487-9-1	68.50	-99.99		-99.99	-99.99	-9999.99	-999.99
487-9-3	71.20	-99.99		-99.99	-99.99	-9999.99	-999.99
487-9-4	72.40	-99.99		-99.99	-99.99	-9999.99	-999.99
487-9-6	75.60	-99.99		-99.99	-99.99	-9999.99	-999.99
488-10-1	77.85	-99.99		-99.99	-99.99	-9999.99	-999.99
488-10-2	79.55	-99.99		-99.99	-99.99	-9999.99	-999.99
488-10-3	81.30	-99.99		-99.99	-99.99	-9999.99	-999.99
488-10-4	82.15	-99.99		-99.99	-99.99	-9999.99	-999.99
488-11-1	87.40	-99.99		-99.99	-99.99	-9999.99	-999.99
488-11-2	89.30	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
488-11-5	93.80	-99.99		-99.99	-99.99	-9999.99	-999.99
488-11-6	94.50	-99.99		-99.99	-99.99	-9999.99	-999.99
488-13-1	105.70	-99.99		-99.99	-99.99	-9999.99	-999.99
488-13-2	107.00	-99.99		-99.99	-99.99	-9999.99	-999.99
488-13-3	108.90	-99.99	I	-99.99	0.00	-9999.99	-999.99
488-13-4	110.40	-99.99		-99.99	-99.99	-9999.99	-999.99
488-14-1	116.28	-99.99		-99.99	-99.99	-9999.99	-999.99
488-15-1	125.48	-99.99		-99.99	-99.99	-9999.99	-999.99
488-16-1	135.26	-99.99		-99.99	-99.99	-9999.99	-999.99
488-16-2	136.55	-99.99	I	-99.99	0.00	-9999.99	-999.99
488-16-4	139.00	-99.99		-99.99	-99.99	-9999.99	-999.99
488-18-1	153.40	-99.99		-99.99	-99.99	-9999.99	-999.99
488-18-3	156.20	-99.99		-99.99	-99.99	-9999.99	-999.99
488-18-5	160.25	-99.99	I	-99.99	0.00	-9999.99	-999.99
488-19-1	162.92	-99.99		-99.99	-99.99	-9999.99	-999.99
488-19-3	165.60	-99.99		-99.99	-99.99	-9999.99	-999.99
488-19-4	167.10	-99.99		-99.99	-99.99	-9999.99	-999.99
488-2-1	2.00	-99.99		-99.99	-99.99	-9999.99	-999.99
488-2-2	3.40	-99.99		-99.99	-99.99	-9999.99	-999.99
488-2-3	4.80	-99.99		-99.99	-99.99	-9999.99	-999.99
488-2-4	6.50	-99.99	I	-99.99	0.00	-9999.99	-999.99
488-20-1	173.06	-99.99	I	-99.99	-99.99	-9999.99	-999.99
488-20-2	174.50	-99.99		-99.99	-99.99	-9999.99	-999.99
488-21-1	182.85	-99.99		-99.99	-99.99	-9999.99	-999.99
488-21-2	183.78	-99.99		-99.99	-99.99	-9999.99	-999.99
488-21-5	188.45	-99.99		-99.99	-99.99	-9999.99	-999.99
488-22-2	193.20	-99.99		-99.99	-99.99	-9999.99	-999.99
488-22-3	194.70	-99.99		-99.99	-99.99	-9999.99	-999.99
488-23-1	201.10	-99.99		-99.99	-99.99	-9999.99	-999.99
488-3-1	11.45	-99.99		-99.99	-99.99	-9999.99	-999.99
488-3-2	12.78	-99.99		-99.99	-99.99	-9999.99	-999.99
488-4-1	21.00	-99.99		-99.99	-99.99	-9999.99	-999.99
488-4-2	22.90	-99.99		-99.99	-99.99	-9999.99	-999.99
488-4-3	23.78	-99.99		-99.99	-99.99	-9999.99	-999.99
488-4-4	25.13	-99.99		-99.99	-99.99	-9999.99	-999.99
488-4-5	27.00	-99.99		-99.99	-99.99	-9999.99	-999.99
488-4-6	28.53	-99.99		-99.99	-99.99	-9999.99	-999.99
488-5-2	31.38	-99.99		-99.99	-99.99	-9999.99	-999.99
488-5-3	33.40	-99.99		-99.99	-99.99	-9999.99	-999.99
488-5-6	38.05	-99.99		-99.99	-99.99	-9999.99	-999.99
488-9-1	68.46	-99.99		-99.99	-99.99	-9999.99	-999.99
488-9-2	69.78	-99.99		-99.99	-99.99	-9999.99	-999.99
488-9-3	71.50	-99.99	I, C, K	-99.99	0.00	-9999.99	-999.99
489A-1-1	1.40	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
489A-1-2	2.18	-99.99		-99.99	-99.99	1679.00	-999.99
489A-1-3	3.48	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-1-4	5.30	-99.99		-99.99	-99.99	1697.00	-999.99
489A-10-1	112.55	-99.99		-99.99	-99.99	1633.00	-999.99
489A-11-1	123.50	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-11-2	124.40	-99.99		-99.99	-99.99	1924.00	-999.99
489A-11-3	126.10	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-12-1	132.70	-99.99	I	-99.99	0.00	-9999.99	-999.99
489A-13-2	142.60	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-13-3	143.40	-99.99		-99.99	-99.99	1978.00	-999.99
489A-15-1	160.15	-99.99		-99.99	-99.99	1707.00	-999.99
489A-16-2	166.53	-99.99		-99.99	-99.99	1841.00	-999.99
489A-16-3	168.62	-99.99		-99.99	-99.99	1779.00	-999.99
489A-16-4	169.25	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-17-1	170.50	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-17-2	171.45	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-18-1	180.00	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-18-2	181.50	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-18-3	183.05	-99.99		-99.99	-99.99	1880.00	-999.99
489A-19-1	183.50	-99.99		-99.99	-99.99	1695.00	-999.99
489A-19-3	186.92	-99.99		-99.99	-99.99	1796.00	-999.99
489A-2-1	7.25	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-2-2	8.80	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-2-3	9.75	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-2-4	10.88	-99.99		-99.99	-99.99	1599.00	-999.99
489A-2-5	13.15	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-2-6	14.00	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-21-3	202.20	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-21-4	202.80	-99.99	M, I	-99.99	0.00	-9999.99	-999.99
489A-21-5	204.50	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-21-6	205.75	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-22-2	210.03	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-22-3	211.05	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-22-4	212.60	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-22-5	214.46	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-23-4	222.00	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-24-2	229.05	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-24-3	229.90	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-24-4	231.23	-99.99		-99.99	-99.99	1684.00	-999.99
489A-25-1	236.40	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-25-4	241.40	-99.99		-99.99	-99.99	1899.00	-999.99
489A-25-6	243.75	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-26-2	247.70	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-26-4	250.90	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
489A-27-2	256.80	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-27-3	258.60	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-28-3	267.55	-99.99		-99.99	-99.99	1675.00	-999.99
489A-28-4	268.55	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-29-5	279.05	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-3-5	22.95	-99.99		-99.99	-99.99	1607.00	-999.99
489A-30-5	288.05	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-4-1	55.95	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-4-2	57.70	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-4-3	58.65	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-4-4	59.53	-99.99		-99.99	-99.99	1658.00	-999.99
489A-4-5	62.00	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-4-CC	64.60	-99.99		-99.99	-99.99	1541.00	-999.99
489A-5-1	65.20	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-5-2	66.70	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-5-4	70.53	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-6-1	76.00	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-6-2	76.60	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-6-3	77.90	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-7-1	84.65	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-7-2	86.25	-99.99		-99.99	-99.99	1502.00	-999.99
489A-7-3	88.00	-99.99	M, I	-99.99	0.00	1475.00	-999.99
489A-7-5	90.20	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-8-1	94.00	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-8-2	95.50	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-8-3	96.65	-99.99		-99.99	-99.99	1763.00	-999.99
489A-9-2	106.00	-99.99		-99.99	-99.99	-9999.99	-999.99
489A-9-3	106.05	-99.99		-99.99	-99.99	1813.00	-999.99
490-1-1	1.27	-99.99		-99.99	-99.99	-9999.99	-999.99
490-1-2	2.52	-99.99		-99.99	-99.99	-9999.99	-999.99
490-1-3	4.30	-99.99	I	-99.99	13.00	-9999.99	-999.99
490-1-4	4.60	-99.99		-99.99	-99.99	1558.00	-999.99
490-10-1	86.57	-99.99		-99.99	-99.99	-9999.99	-999.99
490-10-2	88.40	-99.99		-99.99	-99.99	-9999.99	-999.99
490-10-3	88.85	-99.99		-99.99	-99.99	-9999.99	-999.99
490-10-4	90.60	-99.99		-99.99	-99.99	-9999.99	-999.99
490-11-1	95.01	-99.99		-99.99	-99.99	-9999.99	-999.99
490-12-2	106.25	-99.99	I	-99.99	2.00	-9999.99	-999.99
490-15-1	133.70	-99.99		-99.99	-99.99	-9999.99	-999.99
490-15-3	136.15	-99.99		-99.99	-99.99	-9999.99	-999.99
490-15-4	137.25	-99.99	I, K, C	-99.99	8.00	-9999.99	-999.99
490-16-1	143.00	-99.99		-99.99	-99.99	-9999.99	-999.99
490-16-2	144.15	-99.99		-99.99	-99.99	-9999.99	-999.99
490-16-3	145.35	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
490-17-1	152.55	-99.99		-99.99	-99.99	-9999.99	-999.99
490-17-2	154.20	-99.99	I	-99.99	-99.99	-9999.99	-999.99
490-17-3	155.10	-99.99		-99.99	-99.99	-9999.99	-999.99
490-17-4	156.38	-99.99		-99.99	-99.99	-9999.99	-999.99
490-18-1	161.65	-99.99		-99.99	-99.99	-9999.99	-999.99
490-18-2	163.65	-99.99		-99.99	-99.99	-9999.99	-999.99
490-18-3	164.35	-99.99		-99.99	-99.99	-9999.99	-999.99
490-18-4	166.66	-99.99		-99.99	-99.99	-9999.99	-999.99
490-18-5	167.32	-99.99		-99.99	-99.99	-9999.99	-999.99
490-19-1	171.95	-99.99		-99.99	-99.99	-9999.99	-999.99
490-2-1	10.03	-99.99		-99.99	-99.99	-9999.99	-999.99
490-2-2	11.75	-99.99		-99.99	-99.99	-9999.99	-999.99
490-2-3	13.35	-99.99		-99.99	-99.99	-9999.99	-999.99
490-2-4	14.50	-99.99		-99.99	-99.99	1538.00	-999.99
490-2-5	16.20	-99.99		-99.99	-99.99	-9999.99	-999.99
490-2-6	17.50	-99.99		-99.99	-99.99	-9999.99	-999.99
490-20-1	181.05	-99.99		-99.99	-99.99	-9999.99	-999.99
490-20-2	182.61	-99.99		-99.99	-99.99	-9999.99	-999.99
490-20-3	183.80	-99.99		-99.99	-99.99	-9999.99	-999.99
490-20-4	185.45	-99.99		-99.99	-99.99	-9999.99	-999.99
490-20-6	188.30	-99.99		-99.99	-99.99	-9999.99	-999.99
490-21-1	190.80	-99.99		-99.99	-99.99	-9999.99	-999.99
490-21-2	192.35	-99.99		-99.99	-99.99	-9999.99	-999.99
490-21-3	193.60	-99.99	I	-99.99	0.00	-9999.99	-999.99
490-21-4	194.63	-99.99		-99.99	-99.99	-9999.99	-999.99
490-21-5	196.45	-99.99		-99.99	-99.99	-9999.99	-999.99
490-21-6	197.90	-99.99		-99.99	-99.99	-9999.99	-999.99
490-22-1	200.30	-99.99		-99.99	-99.99	-9999.99	-999.99
490-22-2	201.70	-99.99		-99.99	-99.99	-9999.99	-999.99
490-22-3	202.92	-99.99		-99.99	-99.99	-9999.99	-999.99
490-22-4	204.30	-99.99		-99.99	-99.99	-9999.99	-999.99
490-22-5	205.85	-99.99		-99.99	-99.99	-9999.99	-999.99
490-22-6	207.25	-99.99		-99.99	-99.99	-9999.99	-999.99
490-23-1	209.80	-99.99		-99.99	-99.99	-9999.99	-999.99
490-23-2	210.45	-99.99		-99.99	-99.99	-9999.99	-999.99
490-23-3	212.25	-99.99		-99.99	-99.99	-9999.99	-999.99
490-23-4	213.40	-99.99		-99.99	-99.99	-9999.99	-999.99
490-23-5	215.05	-99.99		-99.99	-99.99	-9999.99	-999.99
490-23-6	217.00	-99.99		-99.99	-99.99	-9999.99	-999.99
490-23-7	218.10	-99.99		-99.99	-99.99	-9999.99	-999.99
490-24-1	218.20	-99.99		-99.99	-99.99	-9999.99	-999.99
490-24-2	220.40	-99.99		-99.99	-99.99	-9999.99	-999.99
490-24-3	222.10	-99.99		-99.99	-99.99	-9999.99	-999.99
490-25-1	227.80	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
490-25-2	230.72	-99.99	I,ML	-99.99	4.00	-9999.99	-999.99
490-25-3	230.98	-99.99		-99.99	-99.99	-9999.99	-999.99
490-25-4	232.92	-99.99		-99.99	-99.99	-9999.99	-999.99
490-25-5	233.65	-99.99		-99.99	-99.99	-9999.99	-999.99
490-26-3	240.06	-99.99		-99.99	-99.99	-9999.99	-999.99
490-26-4	242.05	-99.99		-99.99	-99.99	-9999.99	-999.99
490-26-5	244.00	-99.99		-99.99	-99.99	-9999.99	-999.99
490-27-1	247.55	-99.99		-99.99	-99.99	-9999.99	-999.99
490-27-2	249.20	-99.99		-99.99	-99.99	-9999.99	-999.99
490-28-1	256.86	-99.99		-99.99	-99.99	-9999.99	-999.99
490-28-2	258.26	-99.99		-99.99	-99.99	-9999.99	-999.99
490-28-3	260.00	-99.99		-99.99	-99.99	-9999.99	-999.99
490-28-4	261.25	-99.99		-99.99	-99.99	-9999.99	-999.99
490-28-5	262.94	-99.99		-99.99	-99.99	-9999.99	-999.99
490-28-6	264.30	-99.99		-99.99	-99.99	-9999.99	-999.99
490-29-1	266.83	-99.99		-99.99	-99.99	-9999.99	-999.99
490-29-3	269.45	-99.99		-99.99	-99.99	-9999.99	-999.99
490-29-4	270.92	-99.99		-99.99	-99.99	-9999.99	-999.99
490-3-2	21.40	-99.99		-99.99	-99.99	-9999.99	-999.99
490-3-3	22.51	-99.99		-99.99	-99.99	-9999.99	-999.99
490-3-4	24.05	-99.99		-99.99	-99.99	-9999.99	-999.99
490-3-5	25.59	-99.99		-99.99	-99.99	-9999.99	-999.99
490-3-6	26.82	-99.99		-99.99	-99.99	-9999.99	-999.99
490-30-1	275.00	-99.99		-99.99	-99.99	-9999.99	-999.99
490-30-2	277.00	-99.99		-99.99	-99.99	-9999.99	-999.99
490-30-3	278.10	-99.99		-99.99	-99.99	-9999.99	-999.99
490-31-2	284.75	-99.99		-99.99	-99.99	-9999.99	-999.99
490-33-1	299.95	-99.99		-99.99	-99.99	-9999.99	-999.99
490-35-1	314.15	-99.99		-99.99	-99.99	-9999.99	-999.99
490-35-4	318.75	-99.99		-99.99	-99.99	-9999.99	-999.99
490-35-5	319.95	-99.99		-99.99	-99.99	-9999.99	-999.99
490-36-1	323.90	-99.99		-99.99	-99.99	-9999.99	-999.99
490-36-3	326.85	-99.99		-99.99	-99.99	-9999.99	-999.99
490-36-5	329.85	-99.99		-99.99	-99.99	-9999.99	-999.99
490-37-1	332.90	-99.99		-99.99	-99.99	-9999.99	-999.99
490-37-2	334.45	-99.99		-99.99	-99.99	-9999.99	-999.99
490-38-2	342.30	-99.99		-99.99	-99.99	-9999.99	-999.99
490-38-4	346.90	-99.99		-99.99	-99.99	-9999.99	-999.99
490-38-5	348.40	-99.99		-99.99	-99.99	-9999.99	-999.99
490-39-1	351.82	-99.99		-99.99	-99.99	-9999.99	-999.99
490-39-4	356.00	-99.99		-99.99	-99.99	-9999.99	-999.99
490-39-6	359.30	-99.99		-99.99	-99.99	-9999.99	-999.99
490-4-2	30.60	-99.99		-99.99	-99.99	-9999.99	-999.99
490-4-3	32.40	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
490-4-4	33.00	-99.99		-99.99	-99.99	-9999.99	-999.99
490-4-5	34.65	-99.99		-99.99	-99.99	-9999.99	-999.99
490-40-5	367.40	-99.99		-99.99	-99.99	-9999.99	-999.99
490-40-7	369.85	-99.99		-99.99	-99.99	-9999.99	-999.99
490-41-1	371.40	-99.99		-99.99	-99.99	-9999.99	-999.99
490-41-2	371.95	-99.99		-99.99	-99.99	-9999.99	-999.99
490-42-1	380.00	-99.99		-99.99	-99.99	-9999.99	-999.99
490-42-4	384.90	-99.99		-99.99	-99.99	-9999.99	-999.99
490-43-1	389.89	-99.99		-99.99	-99.99	1884.00	-999.99
490-43-2	391.30	-99.99		-99.99	-99.99	-9999.99	-999.99
490-43-3	392.90	-99.99		-99.99	-99.99	-9999.99	-999.99
490-44-1	399.75	-99.99		-99.99	-99.99	-9999.99	-999.99
490-44-2	400.70	-99.99		-99.99	-99.99	1816.00	-999.99
490-47-1	418.39	-99.99		-99.99	-99.99	1812.00	-999.99
490-48-1	428.45	-99.99	I,ML,M	-99.99	0.00	1708.00	-999.99
490-49-1	437.75	-99.99	I,ML	-99.99	3.00	-9999.99	-999.99
490-49-2	438.92	-99.99		-99.99	-99.99	-9999.99	-999.99
490-5-6	46.55	-99.99		-99.99	-99.99	-9999.99	-999.99
490-5-CC	47.15	-99.99		-99.99	-99.99	-9999.99	-999.99
490-50-1	446.64	-99.99		-99.99	-99.99	-9999.99	-999.99
490-50-CC	455.05	-99.99		-99.99	-99.99	-9999.99	-999.99
490-51-1	456.30	-99.99		-99.99	-99.99	-9999.99	-999.99
490-52-CC	465.55	-99.99		-99.99	-99.99	-9999.99	-999.99
490-53-1	475.25	-99.99		-99.99	-99.99	-9999.99	-999.99
490-54-1	485.05	-99.99	I,ML	-99.99	0.00	-9999.99	-999.99
490-54-2	485.92	-99.99		-99.99	-99.99	1884.00	-999.99
490-54-3	487.65	-99.99		-99.99	-99.99	-9999.99	-999.99
490-54-4	489.05	-99.99		-99.99	-99.99	-9999.99	-999.99
490-55-1	494.75	-99.99		-99.99	-99.99	-9999.99	-999.99
490-55-2	496.40	-99.99		-99.99	-99.99	-9999.99	-999.99
490-55-3	497.60	-99.99		-99.99	-99.99	-9999.99	-999.99
490-55-4	498.48	-99.99		-99.99	-99.99	1844.00	-999.99
490-56-2	505.70	-99.99		-99.99	-99.99	1807.00	-999.99
490-56-3	203.00	-99.99		-99.99	-99.99	-9999.99	-999.99
490-56-4	508.45	-99.99		-99.99	-99.99	-9999.99	-999.99
490-56-5	510.10	-99.99		-99.99	-99.99	-9999.99	-999.99
490-57-1	512.65	-99.99		-99.99	-99.99	-9999.99	-999.99
490-57-2	514.68	-99.99		-99.99	-99.99	1796.00	-999.99
490-57-4	518.15	-99.99		-99.99	-99.99	-9999.99	-999.99
490-57-6	520.10	-99.99		-99.99	-99.99	-9999.99	-999.99
490-58-3	526.45	-99.99	I	-99.99	0.00	-9999.99	-999.99
490-58-4	527.45	-99.99		-99.99	-99.99	1726.00	-999.99
490-58-5	529.50	-99.99		-99.99	-99.99	-9999.99	-999.99
490-58-6	530.15	-99.99		-99.99	-99.99	-9999.99	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
490-59-2	533.98	-99.99		-99.99	-99.99	-9999.99	-999.99
490-59-3	535.00	-99.99		-99.99	-99.99	-9999.99	-999.99
490-59-4	536.60	-99.99		-99.99	-99.99	1798.00	-999.99
490-6-5	54.04	-99.99		-99.99	-99.99	-9999.99	-999.99
490-60-1	541.83	-99.99		-99.99	-99.99	-9999.99	-999.99
490-60-2	543.23	-99.99		-99.99	-99.99	1708.00	-999.99
490-61-1	551.82	-99.99		-99.99	-99.99	-9999.99	-999.99
490-61-2	552.75	-99.99		-99.99	-99.99	-9999.99	-999.99
490-61-3	554.00	-99.99		-99.99	-99.99	1799.00	-999.99
490-62-1	560.40	-99.99		-99.99	-99.99	-9999.99	-999.99
490-62-3	563.50	-99.99		-99.99	-99.99	-9999.99	-999.99
490-62-4	565.00	-99.99	I, ML, M	-99.99	0.00	1792.00	-999.99
490-63-1	570.58	-99.99		-99.99	-99.99	-9999.99	-999.99
490-63-2	571.65	-99.99		-99.99	-99.99	-9999.99	-999.99
490-64-2	580.70	-99.99		-99.99	-99.99	-9999.99	-999.99
490-7-1	57.30	-99.99		-99.99	-99.99	-9999.99	-999.99
490-7-2	58.70	-99.99		-99.99	-99.99	-9999.99	-999.99
490-7-3	60.39	-99.99		-99.99	-99.99	-9999.99	-999.99
490-8-1	67.20	-99.99		-99.99	-99.99	-9999.99	-999.99
490-8-2	68.55	-99.99		-99.99	-99.99	-9999.99	-999.99
490-8-3	70.25	-99.99		-99.99	-99.99	-9999.99	-999.99
490-8-4	71.53	-99.99		-99.99	-99.99	-9999.99	-999.99
490-9-1	76.75	-99.99	I	-99.99	0.00	-9999.99	-999.99
490-9-2	78.35	-99.99		-99.99	-99.99	-9999.99	-999.99
490-9-5	82.00	-99.99		-99.99	-99.99	-9999.99	-999.99
491-1-1	0.50	-99.99		-99.99	-99.99	-9999.99	-999.99
491-1-2	2.65	-99.99		-99.99	-99.99	-9999.99	-999.99
491-1-3	4.25	-99.99		-99.99	-99.99	-9999.99	-999.99
491-1-4	5.80	-99.99		-99.99	-99.99	-9999.99	-999.99
491-1-5	6.75	-99.99		-99.99	-99.99	1529.00	-999.99
491-10-5	92.80	-99.99		-99.99	-99.99	-9999.99	-999.99
491-10-6	94.20	-99.99		-99.99	-99.99	-9999.99	-999.99
491-11-2	98.20	-99.99		-99.99	-99.99	-9999.99	-999.99
491-11-3	100.80	-99.99	I	-99.99	0.00	-9999.99	-999.99
491-14-3	118.10	-99.99		-99.99	-99.99	-9999.99	-999.99
491-14-6	122.55	-99.99		-99.99	-99.99	-9999.99	-999.99
491-15-1	125.00	-99.99		-99.99	-99.99	-9999.99	-999.99
491-15-4	129.50	-99.99		-99.99	-99.99	-9999.99	-999.99
491-15-5	131.00	-99.99		-99.99	-99.99	-9999.99	-999.99
491-15-7	133.21	-99.99		-99.99	-99.99	-9999.99	-999.99
491-16-1	134.70	-99.99		-99.99	-99.99	-9999.99	-999.99
491-16-4	138.42	-99.99		-99.99	-99.99	-9999.99	-999.99
491-16-5	140.40	-99.99		-99.99	-99.99	-9999.99	-999.99
491-16-6	141.93	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
491-17-1	144.01	-99.99		-99.99	-99.99	-9999.99	-999.99
491-17-2	145.60	-99.99		-99.99	-99.99	-9999.99	-999.99
491-17-4	148.65	-99.99		-99.99	-99.99	-9999.99	-999.99
491-17-5	150.12	-99.99		-99.99	-99.99	-9999.99	-999.99
491-17-6	151.40	-99.99		-99.99	-99.99	-9999.99	-999.99
491-18-CC	161.62	-99.99		-99.99	-99.99	-9999.99	-999.99
491-19-1	163.35	-99.99		-99.99	-99.99	-9999.99	-999.99
491-19-3	165.35	-99.99		-99.99	-99.99	-9999.99	-999.99
491-19-5	167.40	-99.99		-99.99	-99.99	-9999.99	-999.99
491-2-2	11.35	-99.99		-99.99	-99.99	-9999.99	-999.99
491-2-3	14.10	-99.99		-99.99	-99.99	-9999.99	-999.99
491-2-4	15.45	-99.99		-99.99	-99.99	-9999.99	-999.99
491-2-5	16.10	-99.99		-99.99	-99.99	1529.00	-999.99
491-21-3	185.18	-99.99		-99.99	-99.99	-9999.99	-999.99
491-21-4	185.60	-99.99		-99.99	-99.99	-9999.99	-999.99
491-22-4	195.75	-99.99		-99.99	-99.99	-9999.99	-999.99
491-23-2	200.90	-99.99		-99.99	-99.99	-9999.99	-999.99
491-25-1	210.95	-99.99		-99.99	-99.99	-9999.99	-999.99
491-25-2	211.33	-99.99		-99.99	-99.99	-9999.99	-999.99
491-25-3	213.00	-99.99		-99.99	-99.99	-9999.99	-999.99
491-25-5	215.83	-99.99		-99.99	-99.99	-9999.99	-999.99
491-25-6	217.82	-99.99		-99.99	-99.99	-9999.99	-999.99
491-26-1	223.30	-99.99		-99.99	-99.99	-9999.99	-999.99
491-26-2	221.60	-99.99		-99.99	-99.99	-9999.99	-999.99
491-26-5	226.10	-99.99		-99.99	-99.99	-9999.99	-999.99
491-26-6	227.90	-99.99		-99.99	-99.99	-9999.99	-999.99
491-27-3	232.75	-99.99		-99.99	-99.99	-9999.99	-999.99
491-27-4	234.20	-99.99		-99.99	-99.99	-9999.99	-999.99
491-27-5	235.95	-99.99		-99.99	-99.99	-9999.99	-999.99
491-27-7	237.65	-99.99		-99.99	-99.99	-9999.99	-999.99
491-28-4	243.75	-99.99		-99.99	-99.99	-9999.99	-999.99
491-28-5	244.63	-99.99		-99.99	-99.99	-9999.99	-999.99
491-29-3	251.50	-99.99		-99.99	-99.99	-9999.99	-999.99
491-29-4	251.91	-99.99		-99.99	-99.99	-9999.99	-999.99
491-29-5	254.45	-99.99		-99.99	-99.99	-9999.99	-999.99
491-3-1	20.80	-99.99		-99.99	-99.99	-9999.99	-999.99
491-3-2	22.05	-99.99		-99.99	-99.99	-9999.99	-999.99
491-3-3	23.65	-99.99		-99.99	-99.99	-9999.99	-999.99
491-3-4	24.20	-99.99		-99.99	-99.99	-9999.99	-999.99
491-3-6	27.33	-99.99		-99.99	-99.99	-9999.99	-999.99
491-3-7	28.85	-99.99	I, ML	-99.99	0.00	-9999.99	-999.99
491-30-2	259.10	-99.99		-99.99	-99.99	-9999.99	-999.99
491-30-3	260.95	-99.99	I	-99.99	0.00	-9999.99	-999.99
491-30-4	262.15	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
491-30-6	265.22	-99.99		-99.99	-99.99	-9999.99	-999.99
491-31-6	274.35	-99.99		-99.99	-99.99	-9999.99	-999.99
491-33-1	286.35	-99.99		-99.99	-99.99	-9999.99	-999.99
491-33-2	286.52	-99.99		-99.99	-99.99	-9999.99	-999.99
491-33-6	294.05	-99.99		-99.99	-99.99	-9999.99	-999.99
491-34-6	302.70	-99.99		-99.99	-99.99	-9999.99	-999.99
491-35-5	311.02	-99.99		-99.99	-99.99	-9999.99	-999.99
491-36-4	319.35	-99.99		-99.99	-99.99	-9999.99	-999.99
491-36-5	321.50	-99.99		-99.99	-99.99	-9999.99	-999.99
491-37-4	329.46	-99.99		-99.99	-99.99	-9999.99	-999.99
491-38-2	332.23	-99.99		-99.99	-99.99	-9999.99	-999.99
491-39-1	340.40	-99.99		-99.99	-99.99	-9999.99	-999.99
491-39-2	341.85	-99.99		-99.99	-99.99	-9999.99	-999.99
491-4-4	34.47	-99.99		-99.99	-99.99	-9999.99	-999.99
491-4-5	35.85	-99.99		-99.99	-99.99	-9999.99	-999.99
491-4-CC	38.15	-99.99		-99.99	-99.99	-9999.99	-999.99
491-40-2	354.56	-99.99	I	-99.99	0.00	-9999.99	-999.99
491-40-3	355.30	-99.99		-99.99	-99.99	-9999.99	-999.99
491-41-3	365.05	-99.99		-99.99	-99.99	-9999.99	-999.99
491-41-5	368.24	-99.99		-99.99	-99.99	-9999.99	-999.99
491-43-2	384.50	-99.99		-99.99	-99.99	-9999.99	-999.99
491-43-4	386.10	-99.99		-99.99	-99.99	-9999.99	-999.99
491-44-3	394.10	-99.99		-99.99	-99.99	-9999.99	-999.99
491-44-4	394.72	-99.99		-99.99	-99.99	-9999.99	-999.99
491-45-3	403.07	-99.99		-99.99	-99.99	-9999.99	-999.99
491-45-4	404.20	-99.99		-99.99	-99.99	-9999.99	-999.99
491-46-1	410.40	-99.99		-99.99	-99.99	-9999.99	-999.99
491-48-2	430.95	-99.99		-99.99	-99.99	-9999.99	-999.99
491-48-4	433.40	-99.99		-99.99	-99.99	-9999.99	-999.99
491-49-3	441.01	-99.99		-99.99	-99.99	-9999.99	-999.99
491-5-3	42.15	-99.99		-99.99	-99.99	-9999.99	-999.99
491-5-4	43.00	-99.99		-99.99	-99.99	-9999.99	-999.99
491-50-3	451.50	-99.99		-99.99	-99.99	-9999.99	-999.99
491-50-4	453.10	-99.99		-99.99	-99.99	-9999.99	-999.99
491-50-5	454.15	-99.99		-99.99	-99.99	-9999.99	-999.99
491-51-2	459.70	-99.99		-99.99	-99.99	-9999.99	-999.99
491-51-3	460.55	-99.99		-99.99	-99.99	-9999.99	-999.99
491-51-4	462.16	-99.99		-99.99	-99.99	-9999.99	-999.99
491-52-3	469.18	-99.99		-99.99	-99.99	-9999.99	-999.99
491-53-CC	483.90	-99.99		-99.99	-99.99	-9999.99	-999.99
491-54-1	485.95	-99.99		-99.99	-99.99	-9999.99	-999.99
491-54-3	488.31	-99.99		-99.99	-99.99	-9999.99	-999.99
491-55-1	495.32	-99.99		-99.99	-99.99	-9999.99	-999.99
491-55-2	496.30	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
491-56-2	504.47	-99.99		-99.99	-99.99	-9999.99	-999.99
491-56-3	507.70	-99.99		-99.99	-99.99	-9999.99	-999.99
491-57-3	517.00	-99.99		-99.99	-99.99	-9999.99	-999.99
491-57-4	518.35	-99.99		-99.99	-99.99	-9999.99	-999.99
491-57-5	519.65	-99.99		-99.99	-99.99	-9999.99	-999.99
491-58-2	524.65	-99.99		-99.99	-99.99	-9999.99	-999.99
491-58-3	527.10	-99.99		-99.99	-99.99	-9999.99	-999.99
491-59-1	533.06	-99.99		-99.99	-99.99	-9999.99	-999.99
491-59-CC	533.50	-99.99		-99.99	-99.99	-9999.99	-999.99
491-6-2	49.76	-99.99		-99.99	-99.99	-9999.99	-999.99
491-6-3	51.25	-99.99		-99.99	-99.99	-9999.99	-999.99
491-6-4	52.85	-99.99		-99.99	-99.99	-9999.99	-999.99
491-6-5	54.50	-99.99		-99.99	-99.99	-9999.99	-999.99
491-6-6	55.85	-99.99		-99.99	-99.99	-9999.99	-999.99
491-6-7	56.60	-99.99		-99.99	-99.99	-9999.99	-999.99
491-7-1	58.50	-99.99		-99.99	-99.99	-9999.99	-999.99
491-7-3	61.13	-99.99	I, ML	-99.99	0.00	-9999.99	-999.99
491-7-4	62.50	-99.99		-99.99	-99.99	-9999.99	-999.99
491-7-5	64.23	-99.99		-99.99	-99.99	-9999.99	-999.99
491-7-6	65.90	-99.99		-99.99	-99.99	-9999.99	-999.99
491-7-7	66.60	-99.99		-99.99	-99.99	-9999.99	-999.99
491-8-1	68.10	-99.99		-99.99	-99.99	-9999.99	-999.99
491-8-2	69.85	-99.99		-99.99	-99.99	-9999.99	-999.99
491-8-4	72.56	-99.99		-99.99	-99.99	-9999.99	-999.99
491-8-5	74.36	-99.99		-99.99	-99.99	-9999.99	-999.99
491-8-6	75.80	-99.99		-99.99	-99.99	-9999.99	-999.99
491-9-1	77.90	-99.99		-99.99	-99.99	-9999.99	-999.99
491-9-2	79.15	-99.99		-99.99	-99.99	-9999.99	-999.99
491-9-3	80.50	-99.99		-99.99	-99.99	-9999.99	-999.99
491-9-5	83.00	-99.99		-99.99	-99.99	-9999.99	-999.99
491-9-7	85.60	-99.99		-99.99	-99.99	-9999.99	-999.99
492-1-1	0.95	-99.99	I, ML	-99.99	2.00	-9999.99	-999.99
492-1-2	2.15	-99.99		-99.99	-99.99	-9999.99	-999.99
492-1-3	3.10	-99.99		-99.99	-99.99	-9999.99	-999.99
492-10-1	79.89	-99.99		-99.99	-99.99	-9999.99	-999.99
492-10-3	83.05	-99.99		-99.99	-99.99	-9999.99	-999.99
492-10-4	84.00	-99.99		-99.99	-99.99	-9999.99	-999.99
492-11-1	89.30	-99.99		-99.99	-99.99	-9999.99	-999.99
492-11-2	91.67	-99.99	I	-99.99	0.00	-9999.99	-999.99
492-11-3	92.60	-99.99		-99.99	-99.99	-9999.99	-999.99
492-11-CC	98.02	-99.99		-99.99	-99.99	-9999.99	-999.99
492-12-1	99.80	-99.99		-99.99	-99.99	-9999.99	-999.99
492-12-2	101.00	-99.99		-99.99	-99.99	-9999.99	-999.99
492-12-3	102.14	-99.99	I	-99.99	50.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
492-12-4	102.73	-99.99		-99.99	-99.99	-9999.99	-999.99
492-12-5	104.96	-99.99		-99.99	-99.99	-9999.99	-999.99
492-13-2	110.60	-99.99		-99.99	-99.99	-9999.99	-999.99
492-13-3	11.15	-99.99		-99.99	-99.99	-9999.99	-999.99
492-14-3	121.60	-99.99		-99.99	-99.99	-9999.99	-999.99
492-14-5	124.75	-99.99		-99.99	-99.99	-9999.99	-999.99
492-14-6	126.39	-99.99		-99.99	-99.99	-9999.99	-999.99
492-15-1	127.70	-99.99		-99.99	-99.99	-9999.99	-999.99
492-15-2	129.45	-99.99	I,ML	-99.99	0.00	-9999.99	-999.99
492-15-3	131.15	-99.99		-99.99	-99.99	-9999.99	-999.99
492-16-3	139.80	-99.99		-99.99	-99.99	-9999.99	-999.99
492-16-4	141.03	-99.99		-99.99	-99.99	-9999.99	-999.99
492-16-5	142.73	-99.99		-99.99	-99.99	-9999.99	-999.99
492-16-CC	145.55	-99.99		-99.99	-99.99	-9999.99	-999.99
492-17-1	146.67	-99.99		-99.99	-99.99	-9999.99	-999.99
492-17-3	149.15	-99.99		-99.99	-99.99	-9999.99	-999.99
492-18-1	156.44	-99.99		-99.99	-99.99	-9999.99	-999.99
492-18-3	159.28	-99.99		-99.99	-99.99	-9999.99	-999.99
492-18-4	160.51	-99.99		-99.99	-99.99	-9999.99	-999.99
492-18-CC	164.53	-99.99		-99.99	-99.99	-9999.99	-999.99
492-19-1	166.50	-99.99		-99.99	-99.99	-9999.99	-999.99
492-19-2	166.65	-99.99		-99.99	-99.99	-9999.99	-999.99
492-19-3	168.85	-99.99		-99.99	-99.99	-9999.99	-999.99
492-2-2	6.30	-99.99		-99.99	-99.99	-9999.99	-999.99
492-2-3	7.22	-99.99		-99.99	-99.99	-9999.99	-999.99
492-2-4	8.47	-99.99		-99.99	-99.99	-9999.99	-999.99
492-22-3	197.25	-99.99		-99.99	-99.99	-9999.99	-999.99
492-22-5	200.10	-99.99		-99.99	-99.99	-9999.99	-999.99
492-23-1	203.25	-99.99	I	-99.99	0.00	-9999.99	-999.99
492-23-4	208.50	-99.99		-99.99	-99.99	-9999.99	-999.99
492-23-CC	212.03	-99.99		-99.99	-99.99	-9999.99	-999.99
492-24-1	212.61	-99.99		-99.99	-99.99	-9999.99	-999.99
492-24-2	214.05	-99.99		-99.99	-99.99	-9999.99	-999.99
492-24-3	215.98	-99.99		-99.99	-99.99	-9999.99	-999.99
492-24-CC	221.53	-99.99		-99.99	-99.99	-9999.99	-999.99
492-25-1	222.25	-99.99	I	-99.99	0.00	-9999.99	-999.99
492-25-3	226.01	-99.99		-99.99	-99.99	-9999.99	-999.99
492-25-4	226.95	-99.99		-99.99	-99.99	-9999.99	-999.99
492-25-5	228.81	-99.99		-99.99	-99.99	-9999.99	-999.99
492-26-2	233.91	-99.99		-99.99	-99.99	-9999.99	-999.99
492-26-4	235.59	-99.99		-99.99	-99.99	-9999.99	-999.99
492-26-5	237.50	-99.99		-99.99	-99.99	-9999.99	-999.99
492-26-6	239.20	-99.99		-99.99	-99.99	-9999.99	-999.99
492-3-2	16.60	-99.99	I,C,K	-99.99	0.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
492-3-3	17.20	-99.99		-99.99	-99.99	-9999.99	-999.99
492-3-4	18.45	-99.99		-99.99	-99.99	-9999.99	-999.99
492-3-5	19.27	-99.99		-99.99	-99.99	-9999.99	-999.99
492-4-1	23.55	-99.99		-99.99	-99.99	-9999.99	-999.99
492-4-6	30.75	-99.99		-99.99	-99.99	-9999.99	-999.99
492-4-7	31.85	-99.99		-99.99	-99.99	-9999.99	-999.99
492-4-CC	31.95	-99.99		-99.99	-99.99	-9999.99	-999.99
492-5-1	33.40	-99.99		-99.99	-99.99	-9999.99	-999.99
492-5-2	34.30	-99.99		-99.99	-99.99	-9999.99	-999.99
492-5-3	35.92	-99.99		-99.99	-99.99	-9999.99	-999.99
492-5-4	37.52	-99.99		-99.99	-99.99	-9999.99	-999.99
492-5-5	38.10	-99.99	I	-99.99	2.00	-9999.99	-999.99
492-6-1	42.85	-99.99		-99.99	-99.99	-9999.99	-999.99
492-6-2	43.67	-99.99		-99.99	-99.99	-9999.99	-999.99
492-6-4	47.36	-99.99		-99.99	-99.99	-9999.99	-999.99
492-6-5	48.35	-99.99		-99.99	-99.99	-9999.99	-999.99
492-6-6	49.74	-99.99		-99.99	-99.99	-9999.99	-999.99
492-7-3	54.45	-99.99		-99.99	-99.99	-9999.99	-999.99
492-8-1	61.50	-99.99		-99.99	-99.99	-9999.99	-999.99
492-8-2	63.30	-99.99		-99.99	-99.99	-9999.99	-999.99
492-8-3	64.35	-99.99		-99.99	-99.99	-9999.99	-999.99
492-8-4	65.60	-99.99		-99.99	-99.99	-9999.99	-999.99
492-9-2	72.45	-99.99		-99.99	-99.99	-9999.99	-999.99
492-9-3	73.25	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-1-1	0.90	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-1-2	2.19	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-1-3	3.53	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-10-1	47.61	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-2-1	5.42	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-2-2	6.48	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-2-3	7.75	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-3-1	9.88	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-3-2	10.79	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-4-1	14.68	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-4-2	15.54	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-5-1	24.20	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-5-2	25.56	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-6-1	29.03	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-6-2	30.30	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-7-1	33.48	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-7-2	34.50	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-8-1	38.33	-99.99		-99.99	-99.99	-9999.99	-999.99
492A-9-1	42.98	-99.99		-99.99	-99.99	-9999.99	-999.99
493-10-1	196.25	-99.99	I	-99.99	4.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
493-10-2	198.01	-99.99		-99.99	-99.99	-9999.99	-999.99
493-10-3	199.40	-99.99		-99.99	-99.99	-9999.99	-999.99
493-10-5	202.15	-99.99		-99.99	-99.99	-9999.99	-999.99
493-11-1	206.75	-99.99		-99.99	-99.99	-9999.99	-999.99
493-11-2	207.70	-99.99		-99.99	-99.99	-9999.99	-999.99
493-13-1	225.19	-99.99		-99.99	-99.99	-9999.99	-999.99
493-14-1	234.80	-99.99	I	-99.99	3.00	-9999.99	-999.99
493-14-2	235.90	-99.99		-99.99	-99.99	-9999.99	-999.99
493-14-5	240.20	-99.99		-99.99	-99.99	-9999.99	-999.99
493-15-1	244.50	-99.99		-99.99	-99.99	-9999.99	-999.99
493-15-3	247.50	-99.99		-99.99	-99.99	-9999.99	-999.99
493-15-4	248.35	-99.99		-99.99	-99.99	-9999.99	-999.99
493-17-1	263.79	-99.99		-99.99	-99.99	-9999.99	-999.99
493-17-2	264.35	-99.99		-99.99	-99.99	-9999.99	-999.99
493-17-3	266.50	-99.99		-99.99	-99.99	-9999.99	-999.99
493-18-4	277.75	-99.99		-99.99	-99.99	-9999.99	-999.99
493-18-5	278.85	-99.99		-99.99	-99.99	-9999.99	-999.99
493-18-6	280.43	-99.99		-99.99	-99.99	-9999.99	-999.99
493-19-2	284.50	-99.99		-99.99	-99.99	-9999.99	-999.99
493-19-4	287.50	-99.99		-99.99	-99.99	-9999.99	-999.99
493-19-5	288.80	-99.99		-99.99	-99.99	-9999.99	-999.99
493-2-1	120.50	-99.99		-99.99	-99.99	-9999.99	-999.99
493-2-2	122.15	-99.99		-99.99	-99.99	-9999.99	-999.99
493-2-3	124.10	-99.99		-99.99	-99.99	-9999.99	-999.99
493-20-1	292.25	-99.99		-99.99	-99.99	-9999.99	-999.99
493-20-3	295.00	-99.99		-99.99	-99.99	-9999.99	-999.99
493-20-5	297.85	-99.99		-99.99	-99.99	-9999.99	-999.99
493-20-7	300.36	-99.99		-99.99	-99.99	-9999.99	-999.99
493-21-2	303.04	-99.99		-99.99	-99.99	-9999.99	-999.99
493-21-4	305.85	-99.99		-99.99	-99.99	-9999.99	-999.99
493-21-5	307.15	-99.99		-99.99	-99.99	-9999.99	-999.99
493-22-1	311.15	-99.99		-99.99	-99.99	-9999.99	-999.99
493-22-3	314.05	-99.99	I	-99.99	6.00	-9999.99	-999.99
493-22-4	314.96	-99.99		-99.99	-99.99	-9999.99	-999.99
493-22-5	316.71	-99.99		-99.99	-99.99	-9999.99	-999.99
493-23-CC	328.55	-99.99		-99.99	-99.99	-9999.99	-999.99
493-24-1	330.12	-99.99		-99.99	-99.99	-9999.99	-999.99
493-24-2	331.14	-99.99		-99.99	-99.99	-9999.99	-999.99
493-24-3	332.80	-99.99		-99.99	-99.99	-9999.99	-999.99
493-25-1	339.75	-99.99		-99.99	-99.99	-9999.99	-999.99
493-25-3	342.85	-99.99		-99.99	-99.99	-9999.99	-999.99
493-25-4	344.03	-99.99		-99.99	-99.99	-9999.99	-999.99
493-25-5	345.75	-99.99		-99.99	-99.99	-9999.99	-999.99
493-26-2	350.45	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
493-27-1	358.75	-99.99		-99.99	-99.99	-9999.99	-999.99
493-27-2	359.97	-99.99		-99.99	-99.99	-9999.99	-999.99
493-27-4	363.09	-99.99		-99.99	-99.99	-9999.99	-999.99
493-27-5	364.80	-99.99		-99.99	-99.99	-9999.99	-999.99
493-28-1	368.45	-99.99		-99.99	-99.99	-9999.99	-999.99
493-28-3	371.10	-99.99		-99.99	-99.99	-9999.99	-999.99
493-28-4	372.35	-99.99		-99.99	-99.99	-9999.99	-999.99
493-28-5	374.50	-99.99		-99.99	-99.99	-9999.99	-999.99
493-29-1	377.45	-99.99		-99.99	-99.99	-9999.99	-999.99
493-29-2	378.35	-99.99		-99.99	-99.99	-9999.99	-999.99
493-29-3	380.00	-99.99		-99.99	-99.99	-9999.99	-999.99
493-29-5	382.80	-99.99		-99.99	-99.99	-9999.99	-999.99
493-3-1	130.45	-99.99		-99.99	-99.99	-9999.99	-999.99
493-3-2	131.90	-99.99		-99.99	-99.99	-9999.99	-999.99
493-30-1	386.66	-99.99		-99.99	-99.99	-9999.99	-999.99
493-30-3	389.40	-99.99		-99.99	-99.99	-9999.99	-999.99
493-30-4	391.00	-99.99		-99.99	-99.99	-9999.99	-999.99
493-30-5	393.00	-99.99		-99.99	-99.99	-9999.99	-999.99
493-30-6	394.05	-99.99		-99.99	-99.99	-9999.99	-999.99
493-31-1	396.30	-99.99		-99.99	-99.99	-9999.99	-999.99
493-31-2	397.30	-99.99		-99.99	-99.99	-9999.99	-999.99
493-31-3	398.85	-99.99		-99.99	-99.99	-9999.99	-999.99
493-31-5	402.15	-99.99		-99.99	-99.99	-9999.99	-999.99
493-31-6	403.45	-99.99		-99.99	-99.99	-9999.99	-999.99
493-32-1	405.95	-99.99		-99.99	-99.99	-9999.99	-999.99
493-32-2	406.55	-99.99		-99.99	-99.99	-9999.99	-999.99
493-32-3	409.25	-99.99		-99.99	-99.99	-9999.99	-999.99
493-33-1	415.25	-99.99		-99.99	-99.99	-9999.99	-999.99
493-33-2	416.10	-99.99		-99.99	-99.99	-9999.99	-999.99
493-33-3	418.65	-99.99		-99.99	-99.99	-9999.99	-999.99
493-33-6	420.05	-99.99		-99.99	-99.99	-9999.99	-999.99
493-34-2	426.04	-99.99	M	-99.99	21.00	-9999.99	-999.99
493-34-3	428.06	-99.99		-99.99	-99.99	-9999.99	-999.99
493-34-4	429.00	-99.99		-99.99	-99.99	-9999.99	-999.99
493-34-5	430.15	-99.99		-99.99	-99.99	-9999.99	-999.99
493-34-6	431.80	-99.99		-99.99	-99.99	-9999.99	-999.99
493-35-1	434.95	-99.99		-99.99	-99.99	-9999.99	-999.99
493-35-2	446.45	-99.99		-99.99	-99.99	-9999.99	-999.99
493-35-6	441.12	-99.99		-99.99	-99.99	-9999.99	-999.99
493-36-1	444.50	-99.99		-99.99	-99.99	-9999.99	-999.99
493-36-3	447.40	-99.99		-99.99	-99.99	-9999.99	-999.99
493-36-4	448.70	-99.99		-99.99	-99.99	-9999.99	-999.99
493-37-1	453.50	-99.99		-99.99	-99.99	-9999.99	-999.99
493-37-2	454.95	-99.99		-99.99	-99.99	-9999.99	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
493-37-4	458.05	-99.99		-99.99	-99.99	-9999.99	-999.99
493-38-1	462.62	-99.99		-99.99	-99.99	-9999.99	-999.99
493-38-2	464.30	-99.99		-99.99	-99.99	-9999.99	-999.99
493-38-3	466.00	-99.99		-99.99	-99.99	-9999.99	-999.99
493-39-1	472.58	-99.99		-99.99	-99.99	-9999.99	-999.99
493-39-2	474.35	-99.99		-99.99	-99.99	-9999.99	-999.99
493-39-3	475.55	-99.99		-99.99	-99.99	-9999.99	-999.99
493-4-2	140.80	-99.99		-99.99	-99.99	-9999.99	-999.99
493-40-1	482.25	-99.99		-99.99	-99.99	-9999.99	-999.99
493-40-2	482.80	-99.99		-99.99	-99.99	-9999.99	-999.99
493-41-1	491.25	-99.99		-99.99	-99.99	-9999.99	-999.99
493-41-2	492.93	-99.99	M	-99.99	0.00	-9999.99	-999.99
493-42-1	501.43	-99.99		-99.99	-99.99	-9999.99	-999.99
493-42-2	502.85	-99.99		-99.99	-99.99	-9999.99	-999.99
493-42-3	507.42	-99.99		-99.99	-99.99	-9999.99	-999.99
493-42-4	505.40	-99.99		-99.99	-99.99	-9999.99	-999.99
493-43-1	511.00	-99.99		-99.99	-99.99	-9999.99	-999.99
493-43-3	514.00	-99.99		-99.99	-99.99	-9999.99	-999.99
493-43-4	515.10	-99.99		-99.99	-99.99	-9999.99	-999.99
493-43-5	517.00	-99.99		-99.99	-99.99	-9999.99	-999.99
493-44-1	520.45	-99.99		-99.99	-99.99	-9999.99	-999.99
493-44-3	523.35	-99.99		-99.99	-99.99	-9999.99	-999.99
493-45-1	529.55	-99.99		-99.99	-99.99	-9999.99	-999.99
493-45-2	530.95	-99.99		-99.99	-99.99	-9999.99	-999.99
493-45-3	532.76	-99.99		-99.99	-99.99	-9999.99	-999.99
493-46-2	540.70	-99.99		-99.99	-99.99	-9999.99	-999.99
493-46-3	542.20	-99.99	M	-99.99	0.00	-9999.99	-999.99
493-46-4	543.55	-99.99		-99.99	-99.99	-9999.99	-999.99
493-46-6	545.65	-99.99		-99.99	-99.99	-9999.99	-999.99
493-47-1	547.80	-99.99		-99.99	-99.99	-9999.99	-999.99
493-47-3	551.10	-99.99		-99.99	-99.99	-9999.99	-999.99
493-47-5	553.90	-99.99		-99.99	-99.99	-9999.99	-999.99
493-48-1	557.15	-99.99		-99.99	-99.99	-9999.99	-999.99
493-48-3	560.14	-99.99		-99.99	-99.99	-9999.99	-999.99
493-49-1	566.60	-99.99		-99.99	-99.99	-9999.99	-999.99
493-49-3	569.59	-99.99		-99.99	-99.99	-9999.99	-999.99
493-49-7	575.55	-99.99		-99.99	-99.99	-9999.99	-999.99
493-5-1	149.31	-99.99		-99.99	-99.99	-9999.99	-999.99
493-5-2	150.70	-99.99		-99.99	-99.99	-9999.99	-999.99
493-5-3	152.32	-99.99		-99.99	-99.99	-9999.99	-999.99
493-5-4	153.91	-99.99		-99.99	-99.99	-9999.99	-999.99
493-50-2	577.65	-99.99		-99.99	-99.99	-9999.99	-999.99
493-50-3	578.65	-99.99		-99.99	-99.99	-9999.99	-999.99
493-6-2	160.80	-99.99		-99.99	-99.99	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
493-7-2	170.00	-99.99		-99.99	-99.99	-9999.99	-999.99
493-8-3	180.56	-99.99		-99.99	-99.99	-9999.99	-999.99
493-9-1	187.50	-99.99		-99.99	-99.99	-9999.99	-999.99
493-9-3	189.90	-99.99		-99.99	-99.99	-9999.99	-999.99
493-9-5	192.70	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-1-4	17.01	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-10-1	98.35	-99.99	I	-99.99	50.00	-9999.99	-999.99
493B-10-CC	106.55	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-11-1	118.00	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-11-2	118.90	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-11-3	120.69	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-2-1	22.65	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-2-4	27.16	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-3-4	36.85	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-3-6	39.15	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-3-7	40.06	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-4-4	46.45	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-4-5	47.80	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-5-1	51.15	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-5-2	51.78	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-5-3	53.45	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-6-2	62.15	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-6-3	63.77	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-6-4	64.45	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-7-1	70.45	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-7-2	71.47	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-8-1	79.45	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-8-2	80.21	-99.99		-99.99	-99.99	-9999.99	-999.99
493B-9-1	89.32	-99.99		-99.99	-99.99	-9999.99	-999.99
494-1	4.50	-99.99	M	-99.99	0.00	1630.00	-999.99
494-2	13.75	-99.99	M	-99.99	0.00	1622.00	-999.99
494-3	23.25	-99.99	M	-99.99	-99.99	1627.00	-999.99
494-4	32.75	-99.99	M	-99.99	0.00	1610.00	-999.99
494A-1	42.25	-99.99	M	-99.99	0.00	1563.00	-999.99
494A-10	127.75	-99.99	M	-99.99	-99.99	-9999.99	-999.99
494A-11	137.25	-99.99	M	-99.99	0.00	1850.00	-999.99
494A-12	146.75	-99.99	M	-99.99	-99.99	1760.00	-999.99
494A-17	194.25	-99.99	M	-99.99	0.50	1597.00	-999.99
494A-18	203.75	-99.99	M	-99.99	-99.99	-9999.99	-999.99
494A-19	213.25	-99.99	M	-99.99	46.00	1720.00	-999.99
494A-2	51.75	-99.99	M	-99.99	-99.99	-9999.99	-999.99
494A-20	222.75	-99.99	M	-99.99	0.00	1460.00	-999.99
494A-25	270.25	-99.99	M	-99.99	35.00	1860.00	-999.99
494A-27	289.25	-99.99	M	-99.99	29.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
494A-5	80.25	-99.99	M	-99.99	0.00	1450.00	-999.99
494A-8	108.75	-99.99	M	-99.99	0.00	1635.00	-999.99
494A-9	118.25	-99.99	M	-99.99	0.00	1645.00	-999.99
495-10	90.25	-99.99	M	-99.99	-99.99	1394.00	-999.99
495-11	99.75	-99.99	M	-99.99	0.00	1539.00	-999.99
495-12	109.25	-99.99	M	-99.99	0.00	1465.00	-999.99
495-13	118.75	-99.99	M	-99.99	0.00	1454.00	-999.99
495-14	128.25	-99.99	M	-99.99	0.50	-9999.99	-999.99
495-15	137.75	-99.99	M	-99.99	0.00	1545.00	-999.99
495-16	147.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
495-17	156.75	-99.99	M	-99.99	0.50	1560.00	-999.99
495-18	166.25	-99.99	M	-99.99	0.00	1620.00	-999.99
495-19	175.75	-99.99	M	-99.99	0.00	1563.00	-999.99
495-3	23.75	-99.99	M	-99.99	0.00	1534.00	-999.99
495-4	33.25	-99.99	M	-99.99	0.00	1540.00	-999.99
495-5	42.75	-99.99	M	-99.99	-99.99	1580.00	-999.99
495-6	52.25	-99.99	M	-99.99	0.00	1567.00	-999.99
495-7	61.75	-99.99	M	-99.99	0.00	1561.00	-999.99
495-8	71.25	-99.99	M	-99.99	-99.99	-9999.99	-999.99
495-9	80.75	-99.99	M	-99.99	0.00	1553.00	-999.99
496-1	4.75	-99.99	M	-99.99	-99.99	-9999.99	-999.99
496-12	109.25	-99.99	M	-99.99	8.00	-9999.99	-999.99
496-13	118.75	-99.99	M	-99.99	7.00	-9999.99	-999.99
496-14	128.25	-99.99	M	-99.99	22.00	-9999.99	-999.99
496-15	137.75	-99.99	M	-99.99	13.00	-9999.99	-999.99
496-16	147.25	-99.99	M	-99.99	3.00	-9999.99	-999.99
496-17	156.75	-99.99	M	-99.99	-99.99	-9999.99	-999.99
496-19	175.75	-99.99	M	-99.99	0.00	-9999.99	-999.99
496-2	14.25	-99.99	M	-99.99	3.00	-9999.99	-999.99
496-20	185.25	-99.99	M	-99.99	-99.99	-9999.99	-999.99
496-21	194.75	-99.99	M	-99.99	-99.99	-9999.99	-999.99
496-22	204.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
496-23	213.75	-99.99	M	-99.99	-99.99	-9999.99	-999.99
496-24	223.25	-99.99	M	-99.99	-99.99	-9999.99	-999.99
496-3	23.75	-99.99	M	-99.99	0.00	-9999.99	-999.99
496-6	52.25	-99.99	M	-99.99	1.00	-9999.99	-999.99
496-7	61.75	-99.99	M	-99.99	-99.99	-9999.99	-999.99
496-8	71.25	-99.99	M	-99.99	0.00	-9999.99	-999.99
497-1	3.50	-99.99		-99.99	-99.99	-9999.99	-999.99
497-10	87.75	-99.99		-99.99	-99.99	-9999.99	-999.99
497-12	106.75	-99.99		-99.99	-99.99	-9999.99	-999.99
497-13	116.25	-99.99		-99.99	-99.99	-9999.99	-999.99
497-14	125.75	-99.99		-99.99	-99.99	-9999.99	-999.99
497-15	135.25	-99.99	?	-99.99	5.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
497-16	144.75	-99.99	?	-99.99	2.00	-9999.99	-999.99
497-17	154.25	-99.99		-99.99	-99.99	-9999.99	-999.99
497-2	11.75	-99.99		-99.99	-99.99	-9999.99	-999.99
497-25	230.25	-99.99		-99.99	-99.99	-9999.99	-999.99
497-26	239.75	-99.99		-99.99	-99.99	-9999.99	-999.99
497-27	249.25	-99.99		-99.99	-99.99	-9999.99	-999.99
497-28	258.75	-99.99		-99.99	-99.99	-9999.99	-999.99
497-29	268.25	-99.99		-99.99	-99.99	-9999.99	-999.99
497-3	21.25	-99.99		-99.99	-99.99	-9999.99	-999.99
497-30	277.75	-99.99		-99.99	-99.99	-9999.99	-999.99
497-4	30.75	-99.99		-99.99	-99.99	-9999.99	-999.99
497-5	40.25	-99.99		-99.99	-99.99	-9999.99	-999.99
497-6	49.75	-99.99		-99.99	-99.99	-9999.99	-999.99
497-7	59.25	-99.99		-99.99	-99.99	-9999.99	-999.99
497-9	78.25	-99.99		-99.99	-99.99	-9999.99	-999.99
498-1	1.50	-99.99	?	-99.99	8.00	-9999.99	-999.99
498A-1	2.25	-99.99		-99.99	-99.99	-9999.99	-999.99
498A-10	85.25	-99.99		-99.99	-99.99	-9999.99	-999.99
498A-5	37.75	-99.99	?	-99.99	1.00	-9999.99	-999.99
498A-7	56.75	-99.99		-99.99	-99.99	-9999.99	-999.99
498A-8	66.25	-99.99	?	-99.99	8.00	-9999.99	-999.99
499-1	0.50	-99.99	M	-99.99	2.00	-9999.99	-999.99
499-10	81.75	-99.99	M	-99.99	-99.99	-9999.99	-999.99
499-11	91.25	-99.99	M	-99.99	4.00	-9999.99	-999.99
499-12	100.75	-99.99	M	-99.99	8.00	-9999.99	-999.99
499-13	110.25	-99.99	M	-99.99	2.00	-9999.99	-999.99
499-14	119.75	-99.99	M	-99.99	1.00	-9999.99	-999.99
499-15	129.25	-99.99	M	-99.99	-99.99	-9999.99	-999.99
499-17	148.25	-99.99	M	-99.99	-99.99	-9999.99	-999.99
499-18	157.75	-99.99	M	-99.99	5.00	-9999.99	-999.99
499-19	167.25	-99.99	M	-99.99	-99.99	-9999.99	-999.99
499-2	5.75	-99.99	M	-99.99	-99.99	-9999.99	-999.99
499-3	15.25	-99.99	M	-99.99	2.00	-9999.99	-999.99
499-5	34.25	-99.99	M	-99.99	4.00	-9999.99	-999.99
499-7	53.25	-99.99	M	-99.99	-99.99	-9999.99	-999.99
515B-18-1	256.70	-99.99		-99.99	-99.99	1600.00	-999.99
515B-19-3	271.50	-99.99		-99.99	-99.99	1600.00	-999.99
515B-20-6	284.80	-99.99	M?	-99.99	-99.99	1650.00	-999.99
515B-21-6	294.30	-99.99	I?	-99.99	-99.99	-9999.99	-999.99
515B-22-1	294.90	-99.99	?	-99.99	-99.99	1640.00	-999.99
515B-23-6	313.30	-99.99		-99.99	-99.99	1625.00	-999.99
515B-25-6	331.90	-99.99		-99.99	-99.99	1635.00	-999.99
515B-26-2	336.20	-99.99	M?	-99.99	-99.99	1635.00	-999.99
515B-27-5	350.50	-99.99	M?	-99.99	-99.99	1600.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
515B-28-4	358.30	-99.99	M?	-99.99	-99.99	1680.00	-999.99
515B-29-5	369.80	-99.99	M?	-99.99	-99.99	1655.00	-999.99
515B-30-6	379.20	-99.99	M?	-99.99	-99.99	1645.00	-999.99
515B-31-2	382.60	-99.99	M?	-99.99	-99.99	1655.00	-999.99
515B-32-5	395.80	-99.99	M?	-99.99	-99.99	1680.00	-999.99
515B-33-2	400.60	-99.99	M?	-99.99	-99.99	1715.00	-999.99
515B-34-3	412.30	-99.99	M?	-99.99	-99.99	1755.00	-999.99
515B-34-6	416.00	-99.99	M?	-99.99	-99.99	1810.00	-999.99
515B-35-4	422.80	-99.99	M?	-99.99	-99.99	1745.00	-999.99
515B-35-6	426.50	-99.99	M?	-99.99	-99.99	1780.00	-999.99
515B-36-3	431.40	-99.99	M?	-99.99	-99.99	1705.00	-999.99
515B-37-6	444.90	-99.99	?	-99.99	-99.99	1730.00	-999.99
515B-38-1	446.60	-99.99	M?	-99.99	-99.99	1695.00	-999.99
515B-38-6	455.30	-99.99	M?	-99.99	-99.99	1730.00	-999.99
515B-39-6	464.40	-99.99	M?	-99.99	-99.99	1705.00	-999.99
515B-40-1	466.00	-99.99	M?	-99.99	-99.99	1730.00	-999.99
515B-40-5	471.90	-99.99	M?	-99.99	-99.99	1685.00	-999.99
515B-41-6	483.30	-99.99	M?	-99.99	-99.99	1705.00	-999.99
515B-43-6	502.60	-99.99	M?	-99.99	-99.99	1720.00	-999.99
515B-44-1	503.50	-99.99	M?	-99.99	-99.99	1740.00	-999.99
515B-44-3	507.80	-99.99	M?	-99.99	-99.99	1740.00	-999.99
515B-45-3	516.80	-99.99	M?	-99.99	-99.99	1770.00	-999.99
515B-46-3	528.50	-99.99	M?	-99.99	-99.99	1790.00	-999.99
515B-47-4	537.50	-99.99	M?	-99.99	-99.99	1810.00	-999.99
515B-48-1	541.70	-99.99	?	-99.99	-99.99	1840.00	-999.99
515B-48-4	546.70	-99.99	?	-99.99	-99.99	1950.00	-999.99
515B-49-4	555.90	-99.99	?	-99.99	-99.99	1850.00	-999.99
515B-50-3	564.20	-99.99	?	-99.99	-99.99	1825.00	-999.99
515B-51-1	570.00	-99.99	M?	-99.99	-99.99	1900.00	-999.99
515B-51-4	574.50	-99.99	M?	-99.99	-99.99	1890.00	-999.99
515B-52-1	579.50	-99.99	M?	-99.99	-99.99	1795.00	-999.99
515B-53-1	589.10	-99.99	M?	-99.99	-99.99	2020.00	-999.99
515B-53-6	597.70	-99.99	M?	-99.99	-99.99	1835.00	-999.99
515B-54-1	599.60	-99.99	?	-99.99	-99.99	1890.00	-999.99
515B-55-4	612.60	-99.99	M?	-99.99	-99.99	1875.00	-999.99
515B-55-CC	607.80	-99.99	M?	-99.99	-99.99	2040.00	-999.99
515B-56-2	619.80	-99.99	?	-99.99	-99.99	1915.00	-999.99
515B-56-3	621.70	-99.99	?	-99.99	-99.99	1980.00	-999.99
515B-56-4	623.20	-99.99	?	-99.99	-99.99	1890.00	-999.99
515B-56-5	624.50	-99.99	?	-99.99	-99.99	1960.00	-999.99
515B-56-6	626.20	-99.99	?	-99.99	-99.99	1940.00	-999.99
515B-57-1	628.10	-99.99	?	-99.99	-99.99	2025.00	-999.99
515B-57-3	630.90	-99.99	?	-99.99	-99.99	2140.00	-999.99
515B-57-5	634.20	-99.99	?	-99.99	-99.99	2060.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
530A-10-6	218.10	-99.99	M	-99.99	3.00	1568.00	-999.99
530A-100-1	1054.40	-99.99	M	-99.99	5.40	2144.00	-999.99
530A-100-2	1055.44	-99.99	M	-99.99	5.40	1939.00	-999.99
530A-100-3	1056.34	-99.99	M	-99.99	5.40	2252.00	-999.99
530A-100-4	1057.86	-99.99	M	-99.99	5.40	2172.00	-999.99
530A-101-1	1062.22	-99.99	M	-99.99	-99.99	2139.00	-999.99
530A-101-2	1063.83	-99.99	M	-99.99	-99.99	2216.00	-999.99
530A-101-3	1065.84	-99.99	M	-99.99	-99.99	2307.00	-999.99
530A-101-5	1069.36	-99.99	M	-99.99	-99.99	2003.00	-999.99
530A-102-1	1071.15	-99.99	M	-99.99	0.80	2270.00	-999.99
530A-102-2	1072.97	-99.99	M	-99.99	0.80	2168.00	-999.99
530A-102-4	1075.52	-99.99	M	-99.99	0.80	2291.00	-999.99
530A-102-5	1077.02	-99.99	M	-99.99	0.80	2120.00	-999.99
530A-103-1	1080.46	-99.99	M	-99.99	11.00	2096.00	-999.99
530A-103-2	1082.52	-99.99	M	-99.99	11.00	2324.00	-999.99
530A-103-3	1083.40	-99.99	M	-99.99	11.00	2454.00	-999.99
530A-103-4	1084.50	-99.99	M	-99.99	11.00	2335.00	-999.99
530A-104-2	1087.50	-99.99	M	-99.99	1.30	2245.00	-999.99
530A-104-3	1088.38	-99.99	M	-99.99	1.30	2329.00	-999.99
530A-104-5	1092.15	-99.99	M	-99.99	1.30	2253.00	-999.99
530A-105-1	1094.48	-99.99	M	-99.99	0.60	2195.00	-999.99
530A-105-3	1097.18	-99.99	M	-99.99	0.60	3125.00	-999.99
530A-105-4	1099.65	-99.99	M	-99.99	0.60	2943.00	-999.99
530A-105-5	1101.15	-99.99	M	-99.99	0.60	2206.00	-999.99
530A-11-1	220.29	-99.99	M	-99.99	14.00	1596.00	-999.99
530A-11-6	228.38	-99.99	M	-99.99	14.00	-9999.99	-999.99
530A-12-5	235.50	68.30	M	0.30	2.00	1573.00	-999.99
530A-13-2	241.85	-99.99	M	-99.99	5.00	1596.00	-999.99
530A-14-1	249.60	61.30	M	0.30	36.00	1589.00	-999.99
530A-14-2	250.46	-99.99	M	-99.99	36.00	1536.00	-999.99
530A-15-2	259.56	-99.99	M	-99.99	34.00	1611.00	-999.99
530A-16-1	268.27	-99.99	M	-99.99	-99.99	1622.00	-999.99
530A-17-1	277.06	-99.99	M	-99.99	-99.99	1576.00	-999.99
530A-18-3	290.96	72.80	M	0.00	0.50	1632.00	-999.99
530A-18-5	293.52	-99.99	M	-99.99	0.50	1611.00	-999.99
530A-19-1	297.40	-99.99	M	-99.99	-99.99	1613.00	-999.99
530A-19-4	301.97	79.20	M	0.10	-99.99	1612.00	-999.99
530A-19-6	304.84	-99.99	M	-99.99	-99.99	1612.00	-999.99
530A-20-1	306.93	-99.99	M	-99.99	0.50	1610.00	-999.99
530A-20-3	309.93	-99.99	M	-99.99	0.50	1588.00	-999.99
530A-20-5	312.87	-99.99	M	-99.99	0.50	1586.00	-999.99
530A-21-1	316.45	-99.99	M	-99.99	0.50	1602.00	-999.99
530A-21-3	319.32	-99.99	M	-99.99	0.50	1606.00	-999.99
530A-21-5	322.49	-99.99	M	-99.99	0.50	1602.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
530A-22-2	327.30	-99.99	M	-99.99	0.50	1595.00	-999.99
530A-22-4	329.90	88.60	M	0.10	0.50	1621.00	-999.99
530A-22-6	332.11	-99.99	M	-99.99	0.50	1695.00	-999.99
530A-24-2	345.60	-99.99	M	-99.99	0.70	1598.00	-999.99
530A-24-3	347.95	-99.99	M	-99.99	0.70	1641.00	-999.99
530A-25-3	356.75	89.60	M	0.10	-99.99	1609.00	-999.99
530A-25-7	362.58	-99.99	M	-99.99	-99.99	1608.00	-999.99
530A-26-3	366.55	87.00	M	0.00	0.60	1616.00	-999.99
530A-26-4	367.12	-99.99	M	-99.99	0.60	1611.00	-999.99
530A-26-5	369.56	-99.99	M	-99.99	0.60	1615.00	-999.99
530A-27-4	377.88	-99.99	M	-99.99	-99.99	1614.00	-999.99
530A-27-5	379.38	-99.99	M	-99.99	-99.99	1632.00	-999.99
530A-27-6	380.88	-99.99	M	-99.99	-99.99	1639.00	-999.99
530A-28-6	390.07	-99.99	M	-99.99	1.00	1601.00	-999.99
530A-29-2	393.25	-99.99	M	-99.99	-99.99	1888.00	-999.99
530A-29-4	396.25	-99.99	M	-99.99	-99.99	1626.00	-999.99
530A-29-6	399.24	-99.99	M	-99.99	-99.99	1643.00	-999.99
530A-30-2	402.38	89.90	M	0.00	0.60	1655.00	-999.99
530A-30-3	403.88	-99.99	M	-99.99	0.60	-9999.99	-999.99
530A-30-5	406.88	-99.99	M	-99.99	0.60	1738.00	-999.99
530A-31-3	413.18	-99.99	M	-99.99	-99.99	1609.00	-999.99
530A-31-5	416.18	-99.99	M	-99.99	-99.99	1675.00	-999.99
530A-31-6	417.81	-99.99	M	-99.99	-99.99	1663.00	-999.99
530A-32-1	420.25	-99.99	M	-99.99	0.70	1629.00	-999.99
530A-32-2	421.75	-99.99	M	-99.99	0.70	1690.00	-999.99
530A-32-3	423.25	67.60	M	0.10	0.70	1897.00	-999.99
530A-33-2	430.55	-99.99	M	-99.99	-99.99	1702.00	-999.99
530A-33-3	432.05	89.00	M	0.00	-99.99	1668.00	-999.99
530A-33-4	433.55	-99.99	M	-99.99	-99.99	1709.00	-999.99
530A-34-3	442.20	-99.99	M	-99.99	0.60	1859.00	-999.99
530A-34-5	445.55	-99.99	M	-99.99	0.60	1684.00	-999.99
530A-34-7	448.10	-99.99	M	-99.99	0.60	1724.00	-999.99
530A-35-2	449.57	-99.99	M	-99.99	-99.99	1655.00	-999.99
530A-35-4	453.13	-99.99	M	-99.99	-99.99	1735.00	-999.99
530A-35-5	454.32	-99.99	M	-99.99	-99.99	1714.00	-999.99
530A-36-1	458.11	-99.99	M	-99.99	0.60	1694.00	-999.99
530A-37-2	469.76	-99.99	M	-99.99	1.70	1661.00	-999.99
530A-38-1	476.94	-99.99	P,M	-99.99	-99.99	1680.00	-999.99
530A-39-1	486.39	-99.99	P,M	-99.99	29.00	2012.00	-999.99
530A-4-5	160.35	-99.99	M	-99.99	29.00	1511.00	-999.99
530A-40-1	496.44	-99.99	M,P	-99.99	35.00	1754.00	-999.99
530A-41-1	506.05	-99.99	P,M	-99.99	26.00	1598.00	-999.99
530A-41-3	508.39	-99.99	P,M	-99.99	26.00	1758.00	-999.99
530A-42-2	516.03	-99.99	M,P	-99.99	-99.99	1896.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
530A-42-CC	517.92	-99.99	M,P	-99.99	-99.99	1761.00	-999.99
530A-43-1	524.72	-99.99	M	-99.99	-99.99	1768.00	-999.99
530A-44-1	534.33	-99.99	I,M	-99.99	0.40	1778.00	-999.99
530A-45-1	543.20	-99.99	I,M	-99.99	-99.99	1722.00	-999.99
530A-46-1	552.68	-99.99	M,I	-99.99	-99.99	1758.00	-999.99
530A-47-1	563.23	-99.99	M	-99.99	-99.99	1914.00	-999.99
530A-47-2	563.68	-99.99	M	-99.99	-99.99	1786.00	-999.99
530A-48-1	572.36	-99.99	M	-99.99	-99.99	1789.00	-999.99
530A-49-1	581.24	-99.99	M,P	-99.99	1.70	1843.00	-999.99
530A-51-1	601.34	-99.99	M	-99.99	1.70	1834.00	-999.99
530A-51-4	605.84	-99.99	M	-99.99	1.70	1922.00	-999.99
530A-52-1	610.15	-99.99	M,I	-99.99	-99.99	1926.00	-999.99
530A-53-1	619.16	-99.99	M	-99.99	3.10	2828.00	-999.99
530A-53-2	620.87	-99.99	M	-99.99	3.10	1943.00	-999.99
530A-54-1	629.45	-99.99	M	-99.99	-99.99	2417.00	-999.99
530A-55-2	640.40	-99.99	M	-99.99	15.00	2015.00	-999.99
530A-55-4	643.26	-99.99	M	-99.99	15.00	2063.00	-999.99
530A-56-1	648.26	-99.99	M	-99.99	-99.99	2170.00	-999.99
530A-56-2	649.96	-99.99	M	-99.99	-99.99	2203.00	-999.99
530A-57-1	657.39	-99.99	M	-99.99	4.00	2170.00	-999.99
530A-58-1	667.60	-99.99	M	-99.99	-99.99	2186.00	-999.99
530A-59-2	677.93	-99.99	M	-99.99	2.80	2620.00	-999.99
530A-60-1	685.85	-99.99	M	-99.99	-99.99	2368.00	-999.99
530A-61-1	695.22	-99.99	M	-99.99	-99.99	2818.00	-999.99
530A-61-2	697.94	-99.99	M	-99.99	-99.99	1961.00	-999.99
530A-61-3	698.43	-99.99	M	-99.99	-99.99	1976.00	-999.99
530A-62-1	705.00	-99.99	M	-99.99	14.00	2138.00	-999.99
530A-63-2	715.81	-99.99	M	-99.99	-99.99	2774.00	-999.99
530A-63-3	717.73	-99.99	M	-99.99	-99.99	2082.00	-999.99
530A-64-1	724.02	-99.99	M	-99.99	6.40	2019.00	-999.99
530A-67-2	754.06	-99.99	M	-99.99	-99.99	2190.00	-999.99
530A-67-3	756.07	-99.99	M	-99.99	-99.99	2161.00	-999.99
530A-68-1	761.92	-99.99	M	-99.99	14.00	2479.00	-999.99
530A-69-2	773.51	-99.99	M	-99.99	-99.99	2205.00	-999.99
530A-69-3	774.27	-99.99	M	-99.99	-99.99	2427.00	-999.99
530A-7-6	189.96	59.10	M	1.10	35.00	1560.00	-999.99
530A-70-1	781.73	-99.99	M	-99.99	12.00	2141.00	-999.99
530A-70-3	784.91	-99.99	M	-99.99	12.00	2372.00	-999.99
530A-71-2	792.36	-99.99	M	-99.99	-99.99	2049.00	-999.99
530A-72-2	801.16	-99.99	I,M	-99.99	5.00	2808.00	-999.99
530A-75-1	828.10	-99.99	M	-99.99	-99.99	2047.00	-999.99
530A-75-3	831.77	-99.99	M	-99.99	-99.99	2021.00	-999.99
530A-76-2	840.10	-99.99	M	-99.99	1.00	2339.00	-999.99
530A-76-4	842.55	-99.99	M	-99.99	1.00	2068.00	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
530A-77-1	847.08	-99.99	M	-99.99	-99.99	2287.00	-999.99
530A-77-2	849.02	-99.99	M	-99.99	-99.99	2196.00	-999.99
530A-78-2	858.75	-99.99	M	-99.99	16.00	2101.00	-999.99
530A-78-3	860.24	-99.99	M	-99.99	16.00	2094.00	-999.99
530A-78-4	862.47	-99.99	M	-99.99	16.00	2174.00	-999.99
530A-79-1	867.39	-99.99	M	-99.99	6.00	2021.00	-999.99
530A-79-5	872.98	-99.99	M	-99.99	6.00	2031.00	-999.99
530A-8-5	197.72	69.70	M	0.10	5.00	1545.00	-999.99
530A-80-1	876.78	-99.99	M	-99.99	-99.99	2317.00	-999.99
530A-81-1	886.34	-99.99	M	-99.99	18.00	2367.00	-999.99
530A-81-2	886.69	-99.99	M	-99.99	18.00	2249.00	-999.99
530A-82-2	896.75	-99.99	M	-99.99	5.50	2436.00	-999.99
530A-82-3	898.71	-99.99	M	-99.99	5.50	2221.00	-999.99
530A-83-1	904.48	-99.99	M	-99.99	-99.99	2253.00	-999.99
530A-83-3	907.24	-99.99	M	-99.99	-99.99	2272.00	-999.99
530A-84-1	913.73	-99.99	M	-99.99	9.50	2215.00	-999.99
530A-85-1	922.03	-99.99	M	-99.99	-99.99	2559.00	-999.99
530A-85-2	923.64	-99.99	M	-99.99	-99.99	2354.00	-999.99
530A-86-1	932.38	-99.99	M	-99.99	11.00	2232.00	-999.99
530A-86-2	932.94	-99.99	M	-99.99	11.00	2331.00	-999.99
530A-86-4	936.96	-99.99	M	-99.99	11.00	2341.00	-999.99
530A-87-1	941.12	-99.99	M	-99.99	0.70	1971.00	-999.99
530A-87-2	942.68	-99.99	M	-99.99	0.70	1952.00	-999.99
530A-88-1	949.44	-99.99	M	-99.99	8.90	2637.00	-999.99
530A-88-CC	953.48	-99.99	M	-99.99	8.90	2152.00	-999.99
530A-89-1	958.78	-99.99	M	-99.99	0.70	2028.00	-999.99
530A-89-2	960.55	-99.99	M	-99.99	0.70	1950.00	-999.99
530A-89-3	962.30	-99.99	M	-99.99	0.70	2021.00	-999.99
530A-89-4	963.00	-99.99	M	-99.99	0.70	1952.00	-999.99
530A-90-1	967.45	-99.99	M	-99.99	0.80	2307.00	-999.99
530A-90-3	970.30	-99.99	M	-99.99	0.80	1882.00	-999.99
530A-91-1	977.46	-99.99	M	-99.99	6.70	1761.00	-999.99
530A-91-2	978.44	-99.99	M	-99.99	6.70	2064.00	-999.99
530A-91-3	979.98	-99.99	M	-99.99	6.70	2541.00	-999.99
530A-93-1	991.33	-99.99	M	-99.99	0.70	1981.00	-999.99
530A-93-2	992.22	-99.99	M	-99.99	0.70	2293.00	-999.99
530A-93-3	993.60	-99.99	M	-99.99	0.70	2148.00	-999.99
530A-93-5	996.03	-99.99	M	-99.99	0.70	2019.00	-999.99
530A-94-1	999.21	-99.99	M	-99.99	0.90	2300.00	-999.99
530A-94-2	1001.90	-99.99	M	-99.99	0.90	2022.00	-999.99
530A-95-1	1009.02	-99.99	M	-99.99	0.60	2060.00	-999.99
530A-95-2	1010.88	-99.99	M	-99.99	0.60	2090.00	-999.99
530A-95-3	1012.12	-99.99	M	-99.99	0.60	2281.00	-999.99
530A-96-1	1017.73	-99.99	M	-99.99	0.80	1998.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
530A-96-2	1019.37	-99.99	M	-99.99	0.80	2105.00	-999.99
530A-97-1	1026.26	-99.99	M	-99.99	-99.99	4402.00	-999.99
530A-97-3	1029.05	-99.99	M	-99.99	-99.99	1974.00	-999.99
530A-98-1	1035.18	-99.99	M	-99.99	0.60	1935.00	-999.99
530A-98-2	1036.70	-99.99	M	-99.99	0.60	2003.00	-999.99
530A-98-3	1038.10	-99.99	M	-99.99	0.60	2070.00	-999.99
530A-99-1	1045.38	-99.99	M	-99.99	0.50	1863.00	-999.99
530A-99-4	1049.85	-99.99	M	-99.99	0.50	2047.00	-999.99
530B-3-2	10.93	68.90	M,I	0.10	-99.99	1506.00	-999.99
530B-33-1	118.95	-99.99		-99.99	-99.99	1586.00	-999.99
530B-46-2	172.40	-99.99		-99.99	-99.99	1500.00	-999.99
530B-7-3	27.23	59.00	M,I	2.40	-99.99	1489.00	-999.99
530B-9-2	35.03	82.10	M,I	0.30	-99.99	1585.00	-999.99
532A-31-1	131.90	74.20	M,I	0.35	26.25	-9999.99	-999.99
532A-31-2	132.71	74.20	M,I	0.35	37.50	-9999.99	-999.99
532A-33-2	142.40	-99.99	M,I	-99.99	50.50	-9999.99	-999.99
532A-33-3	143.02	-99.99	M,I	-99.99	54.00	-9999.99	-999.99
532A-47-1	195.88	-99.99	M,I	-99.99	59.00	-9999.99	-999.99
532A-47-2	197.44	-99.99	M,I	-99.99	55.50	-9999.99	-999.99
532A-47-3	198.43	-99.99	M,I	-99.99	46.50	-9999.99	-999.99
533-1-1	1.00	-99.99		-99.99	-99.99	1450.00	-999.99
533-1-2	2.30	-99.99		-99.99	19.00	1460.00	-999.99
533-13-2	46.50	-99.99		-99.99	-99.99	-9999.99	-999.99
533-16-2	57.00	-99.99		-99.99	-99.99	-9999.99	-999.99
533-17-2	61.80	-99.99		-99.99	10.00	-9999.99	-999.99
533-18-3	67.00	-99.99		-99.99	-99.99	-9999.99	-999.99
533-19-2	71.20	-99.99		-99.99	-99.99	-9999.99	-999.99
533-2-2	4.60	-99.99		-99.99	-99.99	1460.00	-999.99
533-20-2	75.50	-99.99		-99.99	26.00	-9999.99	-999.99
533-21-2	80.00	-99.99		-99.99	34.00	-9999.99	-999.99
533-24-2	93.60	-99.99		-99.99	30.00	-9999.99	-999.99
533-25-2	98.30	-99.99		-99.99	-99.99	-9999.99	-999.99
533-27-3	108.30	-99.99		-99.99	43.00	-9999.99	-999.99
533-28-3	112.80	-99.99		-99.99	-99.99	-9999.99	-999.99
533-30-2	120.60	-99.99		-99.99	-99.99	-9999.99	-999.99
533-32-2	129.40	-99.99		-99.99	17.00	-9999.99	-999.99
533-35-2	143.00	-99.99		-99.99	39.00	-9999.99	-999.99
533-37-2	148.80	-99.99		-99.99	25.00	-9999.99	-999.99
533-38-3	153.10	-99.99		-99.99	-99.99	-9999.99	-999.99
533-39-3	156.00	-99.99		-99.99	15.00	-9999.99	-999.99
533-6-1	12.70	-99.99		-99.99	43.00	1470.00	-999.99
533-6-3	14.67	-99.99		-99.99	-99.99	1480.00	-999.99
533-7-2	18.40	-99.99		-99.99	-99.99	1470.00	-999.99
533-8-2	23.00	-99.99		-99.99	12.00	-9999.99	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
533A-13-5	245.70	-99.99		-99.99	-99.99	-9999.99	-999.99
533A-15-2	258.70	-99.99		-99.99	13.00	-9999.99	-999.99
533A-16-5	272.50	-99.99		-99.99	-99.99	-9999.99	-999.99
533A-17-5	282.60	-99.99		-99.99	-99.99	-9999.99	-999.99
533A-18-5	291.60	-99.99		-99.99	-99.99	-9999.99	-999.99
533A-19-2	296.40	-99.99		-99.99	14.00	-9999.99	-999.99
533A-20-3	307.60	-99.99		-99.99	17.00	-9999.99	-999.99
533A-21-4	319.00	-99.99		-99.99	-99.99	-9999.99	-999.99
533A-22-4	328.50	-99.99		-99.99	-99.99	-9999.99	-999.99
533A-22-5	330.80	-99.99		-99.99	23.00	-9999.99	-999.99
533A-23-4	337.70	-99.99		-99.99	-99.99	-9999.99	-999.99
533A-24-6	350.70	-99.99		-99.99	-99.99	-9999.99	-999.99
533A-25-3	354.70	-99.99		-99.99	18.00	-9999.99	-999.99
533A-26-3	365.20	-99.99		-99.99	29.00	-9999.99	-999.99
533A-26-4	366.38	-99.99		-99.99	-99.99	-9999.99	-999.99
533A-27-2	372.40	-99.99		-99.99	14.00	-9999.99	-999.99
533A-28-2	382.10	-99.99		-99.99	16.00	-9999.99	-999.99
533A-29-4	395.70	-99.99		-99.99	9.00	-9999.99	-999.99
533A-8-2	192.10	-99.99		-99.99	19.00	-9999.99	-999.99
534A-10-2	614.50	-99.99		-99.99	26.00	1815.00	-999.99
534A-101-3	1413.50	-99.99		-99.99	41.00	2465.00	-999.99
534A-102-5	1425.50	-99.99		-99.99	-99.99	2370.00	-999.99
534A-103-1	1428.80	-99.99		-99.99	52.00	2275.00	-999.99
534A-104-4	1441.50	-99.99		-99.99	50.00	2970.00	-999.99
534A-107-2	1466.40	-99.99		-99.99	17.00	2300.00	-999.99
534A-108-1	1469.10	-99.99		-99.99	40.00	2960.00	-999.99
534A-11-1	623.20	-99.99		-99.99	58.00	1890.00	-999.99
534A-110-CC	1486.60	-99.99		-99.99	-99.99	2645.00	-999.99
534A-111-1	1495.60	-99.99		-99.99	-99.99	2695.00	-999.99
534A-112-1	1504.60	-99.99		-99.99	58.00	3140.00	-999.99
534A-113-1	1513.90	-99.99		-99.99	30.00	3590.00	-999.99
534A-114-1	1523.00	-99.99		-99.99	34.00	2695.00	-999.99
534A-115-1	1532.40	-99.99		-99.99	5.50	2695.00	-999.99
534A-119-1	1568.60	-99.99		-99.99	-99.99	2740.00	-999.99
534A-12-2	634.50	-99.99		-99.99	-99.99	1895.00	-999.99
534A-123-2	1596.10	-99.99		-99.99	-99.99	3465.00	-999.99
534A-123-4	1598.50	-99.99		-99.99	30.00	3180.00	-999.99
534A-124-1	1603.80	-99.99		-99.99	25.00	3590.00	-999.99
534A-125-1	1612.60	-99.99		-99.99	-99.99	2750.00	-999.99
534A-125-3	1616.70	-99.99		-99.99	28.00	3425.00	-999.99
534A-125-5	1619.20	-99.99		-99.99	20.00	2490.00	-999.99
534A-126-2	1623.20	-99.99		-99.99	-99.99	2485.00	-999.99
534A-126-3	1625.30	-99.99		-99.99	23.00	2870.00	-999.99
534A-127-1	1633.10	-99.99		-99.99	11.00	2688.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
534A-14-1	651.30	-99.99		-99.99	26.00	1885.00	-999.99
534A-19-1	697.90	-99.99		-99.99	0.00	1975.00	-999.99
534A-2-1	546.80	-99.99		-99.99	25.00	1760.00	-999.99
534A-20-1	705.60	-99.99		-99.99	-99.99	2870.00	-999.99
534A-20-2	707.50	-99.99		-99.99	3.00	2120.00	-999.99
534A-24-1	741.60	-99.99		-99.99	0.00	1815.00	-999.99
534A-24-2	743.10	-99.99		-99.99	-99.99	1700.00	-999.99
534A-25-1	750.80	-99.99		-99.99	0.00	1785.00	-999.99
534A-26-CC	760.50	-99.99		-99.99	0.00	1760.00	-999.99
534A-27-1	764.90	-99.99		-99.99	1.00	1870.00	-999.99
534A-28-1	743.10	-99.99		-99.99	0.00	1785.00	-999.99
534A-29-2	785.60	-99.99		-99.99	0.00	1710.00	-999.99
534A-3-2	558.10	-99.99		-99.99	20.00	1785.00	-999.99
534A-30-1	793.60	-99.99		-99.99	-99.99	1820.00	-999.99
534A-31-CC	803.80	-99.99		-99.99	-99.99	1700.00	-999.99
534A-32-1	812.30	-99.99		-99.99	5.00	1775.00	-999.99
534A-33-1	822.00	-99.99		-99.99	0.00	1825.00	-999.99
534A-34-1	831.50	-99.99		-99.99	-99.99	1860.00	-999.99
534A-34-2	832.80	-99.99		-99.99	0.50	1995.00	-999.99
534A-35-1	840.80	-99.99		-99.99	-99.99	1730.00	-999.99
534A-35-2	843.30	-99.99		-99.99	4.00	1760.00	-999.99
534A-36-1	850.60	-99.99		-99.99	1.00	1815.00	-999.99
534A-37-1	859.50	-99.99		-99.99	1.00	1840.00	-999.99
534A-38-1	870.00	-99.99		-99.99	0.00	1985.00	-999.99
534A-38-2	871.40	-99.99		-99.99	-99.99	1760.00	-999.99
534A-39-2	880.60	-99.99		-99.99	-99.99	1700.00	-999.99
534A-4-3	569.10	-99.99		-99.99	-99.99	1810.00	-999.99
534A-41-1	896.70	-99.99		-99.99	1.00	1950.00	-999.99
534A-41-3	899.50	-99.99		-99.99	-99.99	1945.00	-999.99
534A-42-1	905.70	-99.99		-99.99	1.00	2065.00	-999.99
534A-43-1	914.10	-99.99		-99.99	-99.99	1740.00	-999.99
534A-44-1	923.60	-99.99		-99.99	35.00	1820.00	-999.99
534A-45-1	932.20	-99.99		-99.99	-99.99	1800.00	-999.99
534A-47-1	950.20	-99.99		-99.99	34.00	1920.00	-999.99
534A-49-3	967.60	-99.99		-99.99	-99.99	1830.00	-999.99
534A-5-2	576.70	-99.99		-99.99	39.00	1810.00	-999.99
534A-50-1	972.90	-99.99		-99.99	34.00	1820.00	-999.99
534A-51-1	982.80	-99.99		-99.99	39.00	1950.00	-999.99
534A-53-4	1004.20	-99.99		-99.99	37.00	1900.00	-999.99
534A-55-2	1020.40	-99.99		-99.99	-99.99	1780.00	-999.99
534A-56-2	1028.80	-99.99		-99.99	57.00	1780.00	-999.99
534A-58-1	1045.50	-99.99		-99.99	39.00	2145.00	-999.99
534A-59-3	1057.50	-99.99		-99.99	-99.99	-9999.99	-999.99
534A-61-1	1072.80	-99.99		-99.99	14.00	2145.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
534A-65-1	1108.90	-99.99		-99.99	14.00	1940.00	-999.99
534A-66-1	1117.60	-99.99		-99.99	34.00	2060.00	-999.99
534A-67-3	1129.60	-99.99		-99.99	33.00	2220.00	-999.99
534A-69-5	1145.20	-99.99		-99.99	34.00	2210.00	-999.99
534A-7-2	596.30	-99.99		-99.99	33.00	1835.00	-999.99
534A-71-5	1163.90	-99.99		-99.99	-99.99	2135.00	-999.99
534A-73-1	1173.90	-99.99		-99.99	30.00	2250.00	-999.99
534A-76-4	1207.40	-99.99		-99.99	17.00	2135.00	-999.99
534A-83-5	1267.40	-99.99		-99.99	59.00	2690.00	-999.99
534A-92-6	1347.70	-99.99		-99.99	56.00	3180.00	-999.99
534A-93-4	1353.60	-99.99		-99.99	65.00	3005.00	-999.99
534A-94-2	1355.10	-99.99		-99.99	62.00	3010.00	-999.99
534A-95-2	1365.40	-99.99		-99.99	-99.99	2220.00	-999.99
534A-96-2	1374.40	-99.99		-99.99	18.00	2410.00	-999.99
534A-99-1	1396.10	-99.99		-99.99	-99.99	2570.00	-999.99
535-1-1	1.00	-99.99		-99.99	-99.99	1474.00	-999.99
535-1-2	2.40	-99.99		-99.99	-99.99	1494.00	-999.99
535-10-1	80.00	-99.99		-99.99	-99.99	1587.00	-999.99
535-10-2	81.00	-99.99		-99.99	-99.99	1544.00	-999.99
535-10-3	83.00	-99.99		-99.99	-99.99	1581.00	-999.99
535-11-1	89.00	-99.99		-99.99	-99.99	1557.00	-999.99
535-11-2	91.00	-99.99		-99.99	-99.99	1572.00	-999.99
535-11-3	92.00	-99.99		-99.99	-99.99	1508.00	-999.99
535-11-4	94.00	-99.99		-99.99	-99.99	1590.00	-999.99
535-11-6	95.00	-99.99		-99.99	-99.99	1567.00	-999.99
535-11-7	97.00	-99.99		-99.99	-99.99	1662.00	-999.99
535-12-3	102.00	-99.99		-99.99	-99.99	-9999.99	-999.99
535-12-4	103.00	-99.99		-99.99	-99.99	1684.00	-999.99
535-13-2	110.00	-99.99		-99.99	12.00	1630.00	-999.99
535-13-4	113.00	-99.99		-99.99	-99.99	1634.00	-999.99
535-14-1	118.00	-99.99		-99.99	-99.99	1566.00	-999.99
535-14-3	121.00	-99.99		-99.99	-99.99	1624.00	-999.99
535-15-3	130.00	-99.99		-99.99	-99.99	1584.00	-999.99
535-16-1	136.00	-99.99		-99.99	-99.99	1632.00	-999.99
535-17-2	147.00	-99.99		-99.99	-99.99	1626.00	-999.99
535-2-1	9.60	-99.99		-99.99	-99.99	1450.00	-999.99
535-2-2	5.00	-99.99		-99.99	-99.99	1420.00	-999.99
535-2-3	6.50	-99.99		-99.99	-99.99	1431.00	-999.99
535-2-4	13.90	-99.99		-99.99	-99.99	1490.00	-999.99
535-26-3	240.00	-99.99		-99.99	-99.99	1620.00	-999.99
535-27-3	249.80	-99.99		-99.99	-99.99	1665.00	-999.99
535-28-1	256.10	-99.99		-99.99	-99.99	1755.00	-999.99
535-29-1	265.70	-99.99		-99.99	-99.99	1730.00	-999.99
535-3-2	20.40	-99.99		-99.99	-99.99	1520.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
535-3-3	16.00	-99.99		-99.99	-99.99	1557.00	-999.99
535-3-4	17.50	-99.99		-99.99	-99.99	1666.00	-999.99
535-31-1	284.70	-99.99		-99.99	-99.99	1680.00	-999.99
535-32-1	293.70	-99.99		-99.99	-99.99	1730.00	-999.99
535-34-3	315.80	-99.99		-99.99	-99.99	1790.00	-999.99
535-36-2	333.60	-99.99		-99.99	-99.99	1810.00	-999.99
535-38-1	350.70	-99.99		-99.99	-99.99	1890.00	-999.99
535-39-1	360.50	-99.99		-99.99	-99.99	1865.00	-999.99
535-4-1	28.70	-99.99		-99.99	-99.99	1520.00	-999.99
535-4-2	24.00	-99.99		-99.99	-99.99	1526.00	-999.99
535-4-3	25.30	-99.99		-99.99	-99.99	1550.00	-999.99
535-40-2	372.00	-99.99		-99.99	-99.99	1930.00	-999.99
535-41-2	381.00	-99.99		-99.99	-99.99	2025.00	-999.99
535-42-3	391.80	-99.99		-99.99	-99.99	2055.00	-999.99
535-43-2	399.90	-99.99		-99.99	-99.99	2185.00	-999.99
535-44-1	408.10	-99.99		-99.99	-99.99	2160.00	-999.99
535-45-3	420.70	-99.99		-99.99	-99.99	2295.00	-999.99
535-46-2	428.80	-99.99		-99.99	-99.99	2220.00	-999.99
535-47-1	436.90	-99.99		-99.99	-99.99	2330.00	-999.99
535-48-2	447.40	-99.99		-99.99	-99.99	2125.00	-999.99
535-49-2	456.60	-99.99		-99.99	-99.99	2445.00	-999.99
535-5-1	38.00	-99.99		-99.99	-99.99	1540.00	-999.99
535-5-3	35.00	-99.99		-99.99	-99.99	1540.00	-999.99
535-50-1	465.10	-99.99		-99.99	-99.99	2270.00	-999.99
535-51-3	477.30	-99.99		-99.99	-99.99	2230.00	-999.99
535-52-2	485.90	-99.99		-99.99	-99.99	2340.00	-999.99
535-53-3	496.20	-99.99		-99.99	-99.99	2500.00	-999.99
535-54-2	504.30	-99.99		-99.99	-99.99	2245.00	-999.99
535-55-2	514.40	-99.99		-99.99	-99.99	2445.00	-999.99
535-6-1	46.60	-99.99		-99.99	-99.99	1510.00	-999.99
535-6-5	47.60	-99.99		-99.99	-99.99	1540.00	-999.99
535-6-6	49.00	-99.99		-99.99	-99.99	1550.00	-999.99
535-7-1	56.70	-99.99		-99.99	-99.99	1530.00	-999.99
535-7-3	54.00	-99.99		-99.99	-99.99	1625.00	-999.99
535-7-6	58.70	-99.99		-99.99	-99.99	1552.00	-999.99
535-8-2	61.80	-99.99		-99.99	-99.99	1566.00	-999.99
535-8-3	69.70	-99.99		-99.99	-99.99	1580.00	-999.99
535-8-5	66.30	-99.99		-99.99	-99.99	1478.00	-999.99
535-9-1	70.00	-99.99		-99.99	-99.99	1600.00	-999.99
535-9-2	72.00	-99.99		-99.99	-99.99	1593.00	-999.99
535-9-3	73.00	-99.99		-99.99	-99.99	1600.00	-999.99
535-9-4	74.00	-99.99		-99.99	-99.99	1627.00	-999.99
541-14-3	118.40	-99.99		-99.99	-99.99	1554.00	-999.99
541-14-5	121.70	-99.99		-99.99	-99.99	1567.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
541-15-1	125.30	-99.99		-99.99	-99.99	1540.00	-999.99
541-15-5	130.90	-99.99		-99.99	-99.99	1578.00	-999.99
541-16-2	136.60	-99.99		-99.99	-99.99	-9999.99	-999.99
541-17-2	145.40	-99.99	M,K,I	-99.99	27.00	1575.00	-999.99
541-17-5	150.40	-99.99		-99.99	-99.99	1590.00	-999.99
541-19-1	163.40	-99.99		-99.99	-99.99	1585.00	-999.99
541-19-5	169.20	-99.99		-99.99	-99.99	1600.00	-999.99
541-2-5	7.60	-99.99	M,K	-99.99	0.00	1482.00	-999.99
541-2-6	9.20	-99.99	M,I	-99.99	0.00	1492.00	-999.99
541-21-1	182.20	-99.99	M,K	-99.99	21.00	1618.00	-999.99
541-21-2	183.50	-99.99		-99.99	-99.99	1631.00	-999.99
541-23-1	201.00	-99.99	M	-99.99	0.00	1594.00	-999.99
541-23-5	207.00	-99.99	M,K	-99.99	9.00	1601.00	-999.99
541-25-1	220.50	-99.99	M,K	-99.99	2.00	1577.00	-999.99
541-25-3	223.00	-99.99	M,K	-99.99	0.00	1633.00	-999.99
541-25-7	226.80	-99.99		-99.99	-99.99	1615.00	-999.99
541-26-2	231.30	-99.99		-99.99	-99.99	1554.00	-999.99
541-26-4	234.20	-99.99		-99.99	-99.99	1613.00	-999.99
541-27-1	239.60	-99.99		-99.99	-99.99	1630.00	-999.99
541-27-5	245.10	-99.99		-99.99	-99.99	1615.00	-999.99
541-29-2	259.30	-99.99	M	-99.99	8.00	1633.00	-999.99
541-29-4	263.10	-99.99	M	-99.99	10.00	1624.00	-999.99
541-30-1	267.90	-99.99		-99.99	-99.99	1545.00	-999.99
541-30-2	269.30	-99.99	M,K	-99.99	8.00	1596.00	-999.99
541-30-5	274.00	-99.99		-99.99	-99.99	1585.00	-999.99
541-36-1	324.40	-99.99	M,K	-99.99	9.00	1674.00	-999.99
541-36-2	325.80	-99.99	M,K	-99.99	12.00	1692.00	-999.99
541-37-1/2	334.80	-99.99		-99.99	-99.99	1696.00	-999.99
541-37-5	340.40	-99.99	M,K	-99.99	4.00	1607.00	-999.99
541-38-1	343.90	-99.99		-99.99	-99.99	1642.00	-999.99
541-38-7	352.00	-99.99		-99.99	-99.99	1651.00	-999.99
541-39-5	359.00	-99.99	M	-99.99	0.00	1633.00	-999.99
541-4-1	20.70	-99.99	M	-99.99	21.00	1533.00	-999.99
541-4-4	25.50	-99.99	I,M,K	-99.99	0.00	1496.00	-999.99
541-40-1	362.40	-99.99		-99.99	-99.99	1693.00	-999.99
541-40-4	367.20	-99.99	M	-99.99	0.00	1674.00	-999.99
541-41-3	375.40	-99.99		-99.99	-99.99	1641.00	-999.99
541-41-4	376.40	-99.99	M,K	-99.99	4.00	1670.00	-999.99
541-42-1	381.10	-99.99	M	-99.99	0.00	1643.00	-999.99
541-42-4	386.30	-99.99	M	-99.99	14.00	1687.00	-999.99
541-42-7	390.30	-99.99	M	-99.99	0.00	-9999.99	-999.99
541-43-1	391.60	-99.99		-99.99	-99.99	1676.00	-999.99
541-43-4	395.20	-99.99	M,K	-99.99	0.00	1628.00	-999.99
541-43-5	397.50	-99.99		-99.99	-99.99	1667.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
541-44-4	405.80	-99.99	M	-99.99	0.00	1705.00	-999.99
541-44-7	409.20	-99.99		-99.99	-99.99	1630.00	-999.99
541-45-1	410.90	-99.99	M	-99.99	0.00	1684.00	-999.99
541-45-3	412.90	-99.99	M	-99.99	0.00	1683.00	-999.99
541-47-1	428.80	-99.99		-99.99	-99.99	1678.00	-999.99
541-47-2	431.30	-99.99	M	-99.99	0.00	1595.00	-999.99
541-50-1	457.70	-99.99	M	-99.99	0.00	1657.00	-999.99
541-6-1	39.70	-99.99	M,I	-99.99	6.00	1537.00	-999.99
541-7-2	51.00	-99.99	M,I	-99.99	5.00	1528.00	-999.99
541-7-3	52.10	-99.99		-99.99	-99.99	1536.00	-999.99
542A-2-7	249.20	-99.99		-99.99	-99.99	1596.00	-999.99
542A-3-3	253.00	-99.99	M	-99.99	0.00	1570.00	-999.99
542A-4-1	260.00	-99.99		-99.99	-99.99	1604.00	-999.99
542A-4-2	261.00	-99.99	M,K	-99.99	2.00	1632.00	-999.99
542A-5-3	273.00	-99.99		-99.99	-99.99	1609.00	-999.99
542A-6-4	284.00	-99.99		-99.99	-99.99	1602.00	-999.99
542A-6-6	286.00	-99.99		-99.99	-99.99	1591.00	-999.99
542A-7-1	288.00	-99.99	M,K	-99.99	0.00	1599.00	-999.99
542A-7-2	289.00	-99.99	M,K	-99.99	0.00	1579.00	-999.99
542A-8-1	298.00	-99.99		-99.99	-99.99	1614.00	-999.99
542A-8-2	299.00	-99.99		-99.99	-99.99	1633.00	-999.99
542A-9-3	310.00	-99.99		-99.99	-99.99	1632.00	-999.99
543-1-2	2.00	-99.99		-99.99	-99.99	1490.00	-999.99
543-1-4	5.00	-99.99		-99.99	-99.99	1499.00	-999.99
543-1-7	10.00	-99.99		-99.99	-99.99	1493.00	-999.99
543-10-2	89.00	-99.99		-99.99	-99.99	1480.00	-999.99
543-10-4	92.00	-99.99		-99.99	-99.99	1529.00	-999.99
543-11-1	97.00	-99.99		-99.99	-99.99	1470.00	-999.99
543-11-3	100.00	-99.99		-99.99	-99.99	1476.00	-999.99
543-12-2	108.00	-99.99		-99.99	-99.99	1481.00	-999.99
543-12-6	114.00	-99.99		-99.99	-99.99	1492.00	-999.99
543-15-CC	144.00	-99.99		-99.99	-99.99	1643.00	-999.99
543-16-2	146.00	-99.99		-99.99	-99.99	1530.00	-999.99
543-16-4	148.00	-99.99		-99.99	-99.99	1529.00	-999.99
543-19-3	176.00	-99.99		-99.99	-99.99	1675.00	-999.99
543-19-6	180.00	-99.99		-99.99	-99.99	1514.00	-999.99
543-2-3	14.00	-99.99		-99.99	-99.99	1490.00	-999.99
543-2-5	17.00	-99.99		-99.99	-99.99	1545.00	-999.99
543-20-2	184.00	-99.99		-99.99	-99.99	1554.00	-999.99
543-20-3	186.00	-99.99		-99.99	-99.99	1542.00	-999.99
543-20-4	187.00	-99.99		-99.99	-99.99	-9999.99	-999.99
543-23-1	211.00	-99.99		-99.99	-99.99	1600.00	-999.99
543-23-2	213.00	-99.99		-99.99	-99.99	1579.00	-999.99
543-24-2	222.00	-99.99		-99.99	-99.99	1562.00	-999.99



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
543-24-4	225.00	-99.99		-99.99	-99.99	1574.00	-999.99
543-25-1	229.00	-99.99		-99.99	-99.99	1559.00	-999.99
543-25-2	231.00	-99.99		-99.99	-99.99	1554.00	-999.99
543-26-2	241.00	-99.99		-99.99	-99.99	1573.00	-999.99
543-26-5	245.00	-99.99		-99.99	-99.99	1595.00	-999.99
543-27-3	252.00	-99.99		-99.99	-99.99	1618.00	-999.99
543-27-5	255.00	-99.99		-99.99	-99.99	1613.00	-999.99
543-28-1	258.00	-99.99		-99.99	-99.99	1626.00	-999.99
543-28-3	261.00	-99.99		-99.99	-99.99	1627.00	-999.99
543-28-4	263.00	-99.99		-99.99	-99.99	-9999.99	-999.99
543-29-2	269.00	-99.99		-99.99	-99.99	1630.00	-999.99
543-29-3	271.00	-99.99		-99.99	-99.99	1617.00	-999.99
543-3-3	24.00	-99.99		-99.99	-99.99	1480.00	-999.99
543-3-5	26.00	-99.99		-99.99	-99.99	1545.00	-999.99
543-30-2	279.00	-99.99		-99.99	-99.99	1611.00	-999.99
543-30-5	284.00	-99.99		-99.99	-99.99	1638.00	-999.99
543-30-6	285.00	-99.99		-99.99	-99.99	1758.00	-999.99
543-31-1	287.00	-99.99		-99.99	-99.99	1633.00	-999.99
543-31-2	288.00	-99.99		-99.99	-99.99	1617.00	-999.99
543-32-1	296.00	-99.99		-99.99	-99.99	1581.00	-999.99
543-32-4	300.00	-99.99		-99.99	-99.99	1790.00	-999.99
543-33-1	306.00	-99.99		-99.99	-99.99	1733.00	-999.99
543-33-3	308.00	-99.99		-99.99	-99.99	1590.00	-999.99
543-34-1	316.00	-99.99		-99.99	-99.99	1672.00	-999.99
543-34-2	317.00	-99.99		-99.99	-99.99	1744.00	-999.99
543-34-CC	324.00	-99.99		-99.99	-99.99	2440.00	-999.99
543-7-2	61.00	-99.99		-99.99	-99.99	1482.00	-999.99
543-7-4	63.00	-99.99		-99.99	-99.99	1471.00	-999.99
543-8-3	72.00	-99.99		-99.99	-99.99	1485.00	-999.99
543-8-4	73.00	-99.99		-99.99	-99.99	1491.00	-999.99
543-8-CC	77.00	-99.99		-99.99	-99.99	1523.00	-999.99
543-9-1	78.00	-99.99		-99.99	-99.99	1482.00	-999.99
543-9-4	82.00	-99.99		-99.99	-99.99	1498.00	-999.99
543-9-6	86.00	-99.99		-99.99	-99.99	-9999.99	-999.99
543A-10-1	408.00	-99.99		-99.99	-99.99	1668.00	-999.99
543A-2-1	332.00	-99.99		-99.99	-99.99	1706.00	-999.99
543A-2-2	334.00	-99.99		-99.99	-99.99	1579.00	-999.99
543A-2-CC	342.00	-99.99		-99.99	-99.99	1631.00	-999.99
543A-3-1	343.00	-99.99		-99.99	-99.99	1719.00	-999.99
543A-3-2	344.00	-99.99		-99.99	-99.99	1690.00	-999.99
543A-4-1	351.00	-99.99		-99.99	-99.99	1668.00	-999.99
543A-4-3	354.00	-99.99		-99.99	-99.99	1628.00	-999.99
543A-5-1	361.00	-99.99		-99.99	-99.99	1649.00	-999.99
543A-5-2	363.00	-99.99		-99.99	-99.99	1669.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
543A-6-1	370.20	-99.99		-99.99	-99.99	1616.00	-999.99
543A-7-1	381.00	-99.99		-99.99	-99.99	1629.00	-999.99
543A-7-3/4	384.00	-99.99		-99.99	-99.99	1685.00	-999.99
543A-8-1	389.50	-99.99		-99.99	-99.99	1606.00	-999.99
543A-9-1	399.00	-99.99		-99.99	-99.99	1592.00	-999.99
545-26-3	240.00	-99.99	I	-99.99	43.00	1620.00	-999.99
545-27-3	249.80	-99.99	I	-99.99	27.00	1665.00	-999.99
545-28-1	256.10	-99.99		-99.99	-99.99	1755.00	-999.99
545-29-1	265.70	-99.99		-99.99	0.00	1730.00	-999.99
545-31-1	284.70	-99.99		-99.99	30.00	1680.00	-999.99
545-32-1	293.70	-99.99		-99.99	-99.99	1730.00	-999.99
545-34-3	315.80	-99.99		-99.99	38.40	1790.00	-999.99
545-36-2	333.60	-99.99		-99.99	-99.99	1810.00	-999.99
545-38-1	350.70	-99.99		-99.99	69.90	1890.00	-999.99
545-39-1	360.50	-99.99		-99.99	-99.99	1865.00	-999.99
545-40-2	372.00	-99.99		-99.99	34.80	1930.00	-999.99
545-41-2	381.00	-99.99		-99.99	-99.99	2025.00	-999.99
545-42-3	391.80	-99.99		-99.99	41.80	2055.00	-999.99
545-43-2	399.90	-99.99		-99.99	33.80	2185.00	-999.99
545-44-1	408.10	-99.99		-99.99	-99.99	2160.00	-999.99
545-45-3	420.70	-99.99		-99.99	-99.99	2295.00	-999.99
545-46-2	428.80	-99.99		-99.99	42.50	2220.00	-999.99
545-47-1	436.90	-99.99		-99.99	-99.99	2330.00	-999.99
545-48-2	447.40	-99.99		-99.99	-99.99	2125.00	-999.99
545-49-2	456.60	-99.99		-99.99	52.00	2445.00	-999.99
545-50-1	465.10	-99.99		-99.99	-99.99	2270.00	-999.99
545-51-3	477.30	-99.99		-99.99	-99.99	2230.00	-999.99
545-52-2	485.90	-99.99		-99.99	51.00	2340.00	-999.99
545-53-3	496.20	-99.99		-99.99	-99.99	2500.00	-999.99
545-54-2	504.30	-99.99		-99.99	-99.99	2245.00	-999.99
545-55-2	514.40	-99.99		-99.99	53.00	2445.00	-999.99
547A-40-2	433.30	-99.99		-99.99	20.30	1820.00	-999.99
547A-41-2	442.90	-99.99		-99.99	22.00	1960.00	-999.99
547A-42-3	453.40	-99.99		-99.99	-99.99	1890.00	-999.99
547A-43-1	459.70	-99.99		-99.99	16.00	1865.00	-999.99
547A-44-3	473.20	-99.99		-99.99	-99.99	1780.00	-999.99
547A-45-2	480.10	-99.99		-99.99	22.30	1870.00	-999.99
547A-46-3	491.50	-99.99		-99.99	29.00	1860.00	-999.99
547A-47-2	500.10	-99.99		-99.99	-99.99	1880.00	-999.99
547A-48-1	508.40	-99.99		-99.99	-99.99	1820.00	-999.99
547A-49-1	516.60	-99.99		-99.99	19.00	1910.00	-999.99
547A-50-3	529.20	-99.99		-99.99	18.00	1910.00	-999.99
547A-51-3	538.80	-99.99		-99.99	-99.99	1945.00	-999.99
547A-52-3	548.20	-99.99		-99.99	27.90	1990.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
547A-53-3	557.70	-99.99		-99.99	-99.99	1965.00	-999.99
547A-54-2	566.30	-99.99		-99.99	-99.99	1945.00	-999.99
547A-55-2	575.80	-99.99		-99.99	29.50	1970.00	-999.99
547A-56-3	587.10	-99.99		-99.99	-99.99	2035.00	-999.99
547A-57-2	594.50	-99.99		-99.99	-99.99	1930.00	-999.99
547A-58-4	607.40	-99.99		-99.99	25.90	1920.00	-999.99
547A-59-5	617.60	-99.99		-99.99	-99.99	1980.00	-999.99
547A-60-4	625.80	-99.99		-99.99	25.90	1965.00	-999.99
547A-61-2	633.00	-99.99		-99.99	26.00	1990.00	-999.99
547A-62-3	643.80	-99.99		-99.99	-99.99	2075.00	-999.99
547A-63-3	653.00	-99.99		-99.99	-99.99	2115.00	-999.99
547A-64-3	662.10	-99.99		-99.99	34.10	2090.00	-999.99
547A-64-4	664.00	-99.99		-99.99	34.00	2445.00	-999.99
547A-65-1	668.80	-99.99		-99.99	-99.99	2125.00	-999.99
547A-66-1	678.10	-99.99		-99.99	48.00	2160.00	-999.99
547A-66-2	680.60	-99.99		-99.99	48.80	2310.00	-999.99
547A-67-2	690.00	-99.99		-99.99	49.90	2070.00	-999.99
547A-68-4	702.90	-99.99		-99.99	-99.99	2095.00	-999.99
547A-69-2	709.20	-99.99		-99.99	-99.99	2330.00	-999.99
547A-70-2	717.80	-99.99		-99.99	47.00	2210.00	-999.99
547A-71-1	725.90	-99.99		-99.99	-99.99	2285.00	-999.99
547A-72-3	738.10	-99.99		-99.99	-99.99	2005.00	-999.99
547A-73-1	744.90	-99.99		-99.99	33.00	2110.00	-999.99
547B-2-1	734.90	-99.99		-99.99	19.00	2170.00	-999.99
547B-3-1	743.70	-99.99		-99.99	-99.99	2125.00	-999.99
547B-4-1	753.60	-99.99		-99.99	-99.99	2150.00	-999.99
547B-4-4	757.80	-99.99		-99.99	-99.99	2265.00	-999.99
565-1-2	2.52	-99.99		-99.99	-99.99	1522.00	-999.99
565-1-5	6.32	-99.99		-99.99	-99.99	1518.00	-999.99
565-1-7	9.09	-99.99		-99.99	-99.99	1540.00	-999.99
565-11-1	96.60	-99.99		-99.99	-99.99	1534.00	-999.99
565-11-2	97.59	-99.99		-99.99	-99.99	2227.00	-999.99
565-11-3	99.62	-99.99		-99.99	-99.99	1511.00	-999.99
565-11-4	100.62	-99.99	M	-99.99	-99.99	1522.00	-999.99
565-12-3	108.61	-99.99		-99.99	-99.99	-9999.99	-999.99
565-12-5	112.12	-99.99		-99.99	-99.99	-9999.99	-999.99
565-12-6	113.67	-99.99		-99.99	-99.99	1567.00	-999.99
565-13-2	116.75	-99.99		-99.99	-99.99	1561.00	-999.99
565-13-4	119.82	-99.99		-99.99	-99.99	1177.00	-999.99
565-13-6	122.88	-99.99		-99.99	-99.99	1523.00	-999.99
565-14-2	126.17	-99.99		-99.99	-99.99	1584.00	-999.99
565-14-4	129.16	-99.99		-99.99	-99.99	1532.00	-999.99
565-14-6	132.23	-99.99		-99.99	-99.99	1592.00	-999.99
565-15-2	135.68	-99.99		-99.99	-99.99	1575.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
565-15-4	138.68	-99.99		-99.99	-99.99	-9999.99	-999.99
565-15-6	142.18	-99.99		-99.99	-99.99	-9999.99	-999.99
565-16-1	143.59	-99.99		-99.99	-99.99	1574.00	-999.99
565-16-3	147.84	-99.99		-99.99	-99.99	1063.00	-999.99
565-16-6	151.42	-99.99		-99.99	-99.99	-9999.99	-999.99
565-17-2	154.97	-99.99		-99.99	-99.99	1641.00	-999.99
565-17-4	157.65	-99.99		-99.99	-99.99	1571.00	-999.99
565-17-6	160.99	-99.99		-99.99	-99.99	1687.00	-999.99
565-18-1	162.78	-99.99		-99.99	-99.99	1589.00	-999.99
565-18-3	166.35	-99.99		-99.99	-99.99	1610.00	-999.99
565-18-4	168.28	-99.99		-99.99	-99.99	1638.00	-999.99
565-19-1	172.51	-99.99		-99.99	-99.99	1847.00	-999.99
565-19-3	175.01	-99.99		-99.99	-99.99	1105.00	-999.99
565-19-6	180.71	-99.99		-99.99	-99.99	-9999.99	-999.99
565-2-2	12.23	-99.99		-99.99	-99.99	1546.00	-999.99
565-2-4	15.22	-99.99		-99.99	-99.99	1534.00	-999.99
565-2-6	18.22	-99.99		-99.99	-99.99	1544.00	-999.99
565-20-3	185.39	-99.99		-99.99	-99.99	1579.00	-999.99
565-20-5	188.45	-99.99		-99.99	-99.99	2204.00	-999.99
565-22-4	206.14	-99.99		-99.99	-99.99	1608.00	-999.99
565-23-1	211.08	-99.99		-99.99	-99.99	1638.00	-999.99
565-23-6	218.49	-99.99		-99.99	-99.99	1620.00	-999.99
565-24-2	222.05	-99.99		-99.99	-99.99	1630.00	-999.99
565-24-4	225.46	-99.99		-99.99	-99.99	1670.00	-999.99
565-28-1	258.33	-99.99		-99.99	-99.99	1602.00	-999.99
565-29-2	269.20	-99.99		-99.99	-99.99	1753.00	-999.99
565-29-6	275.44	-99.99		-99.99	-99.99	1678.00	-999.99
565-30-1	276.91	-99.99		-99.99	-99.99	-9999.99	-999.99
565-30-4	282.21	-99.99	M	-99.99	-99.99	1742.00	-999.99
565-30-6	284.83	-99.99		-99.99	-99.99	1663.00	-999.99
565-31-3	290.14	-99.99		-99.99	-99.99	1596.00	-999.99
565-31-7	293.85	-99.99		-99.99	-99.99	1652.00	-999.99
565-32-1	300.70	-99.99		-99.99	-99.99	1662.00	-999.99
565-33-1	310.00	-99.99		-99.99	-99.99	-9999.99	-999.99
565-33-CC	311.80	-99.99		-99.99	-99.99	-9999.99	-999.99
565-4-2	31.02	-99.99		-99.99	-99.99	1573.00	-999.99
565-4-4	34.22	-99.99		-99.99	-99.99	1541.00	-999.99
565-5-3	42.72	-99.99		-99.99	-99.99	1533.00	-999.99
565-5-5	45.72	-99.99		-99.99	-99.99	1371.00	-999.99
565-6-1	48.78	-99.99		-99.99	-99.99	1217.00	-999.99
565-6-2	50.63	-99.99	M	-99.99	-99.99	1282.00	-999.99
565-6-5	55.53	-99.99		-99.99	-99.99	-9999.99	-999.99
565-7-2	59.83	-99.99		-99.99	-99.99	-9999.99	-999.99
565-7-3	61.06	-99.99		-99.99	-99.99	1025.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
565-7-5	64.84	-99.99		-99.99	-99.99	-9999.99	-999.99
566-1-1	0.53	-99.99		-99.99	-99.99	1531.00	-999.99
566-1-3	3.53	-99.99		-99.99	-99.99	1559.00	-999.99
566-2-2	6.33	-99.99		-99.99	-99.99	1565.00	-999.99
566-2-4	8.87	-99.99		-99.99	-99.99	-9999.99	-999.99
566-2-CC	7.00	-99.99		-99.99	-99.99	-9999.99	-999.99
566-4-2	14.83	-99.99		-99.99	-99.99	1538.00	-999.99
566-4-CC	17.10	-99.99		-99.99	-99.99	-9999.99	-999.99
566-5-2	24.35	-99.99		-99.99	-99.99	1588.00	-999.99
567A-1-4	201.19	-99.99		-99.99	-99.99	1605.00	-999.99
567A-1-6	203.54	-99.99		-99.99	-99.99	1855.00	-999.99
567A-10-1	281.32	-99.99		-99.99	-99.99	1724.00	-999.99
567A-10-2	283.26	-99.99		-99.99	-99.99	3536.00	-999.99
567A-2-3	209.58	-99.99		-99.99	-99.99	1559.00	-999.99
567A-2-4	210.96	-99.99		-99.99	-99.99	1536.00	-999.99
567A-3-4	219.80	-99.99		-99.99	-99.99	1764.00	-999.99
567A-6-4	248.38	-99.99		-99.99	-99.99	1687.00	-999.99
567A-7-2	254.90	-99.99		-99.99	-99.99	1783.00	-999.99
567A-8-2	264.95	-99.99		-99.99	-99.99	1778.00	-999.99
567A-8-3	266.96	-99.99		-99.99	-99.99	1775.00	-999.99
567A-9-4	277.38	-99.99		-99.99	-99.99	1704.00	-999.99
567A-9-5	278.88	-99.99		-99.99	-99.99	-9999.99	-999.99
568-1-1	1.12	-99.99	M	-99.99	-99.99	1560.00	-999.99
568-1-2	2.27	-99.99		-99.99	-99.99	1545.00	-999.99
568-1-3	3.25	-99.99		-99.99	-99.99	1568.00	-999.99
568-10-2	81.82	-99.99		-99.99	-99.99	1800.00	-999.99
568-10-4	84.78	-99.99		-99.99	-99.99	1708.00	-999.99
568-14-6	126.14	-99.99		-99.99	-99.99	-9999.99	-999.99
568-15-1	127.83	-99.99		-99.99	-99.99	1117.00	-999.99
568-15-6	135.34	-99.99		-99.99	-99.99	-9999.99	-999.99
568-16-4	142.53	-99.99		-99.99	-99.99	-9999.99	-999.99
568-16-6	144.73	-99.99		-99.99	-99.99	-9999.99	-999.99
568-18-1	157.23	-99.99		-99.99	-99.99	-9999.99	-999.99
568-18-4	161.63	-99.99		-99.99	-99.99	-9999.99	-999.99
568-18-5	162.88	-99.99		-99.99	-99.99	-9999.99	-999.99
568-19-2	168.03	-99.99		-99.99	-99.99	-9999.99	-999.99
568-19-6	175.03	-99.99		-99.99	-99.99	-9999.99	-999.99
568-2-1	3.91	-99.99		-99.99	-99.99	1563.00	-999.99
568-2-3	7.32	-99.99		-99.99	-99.99	1566.00	-999.99
568-2-6	11.42	-99.99		-99.99	-99.99	1555.00	-999.99
568-25-5	231.76	-99.99		-99.99	-99.99	-9999.99	-999.99
568-25-6	233.07	-99.99		-99.99	-99.99	-9999.99	-999.99
568-28-4	258.47	-99.99		-99.99	-99.99	1600.00	-999.99
568-28-7	262.84	-99.99	M	-99.99	-99.99	1578.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
568-34-1	311.71	-99.99		-99.99	-99.99	1561.00	-999.99
568-34-3	314.31	-99.99		-99.99	-99.99	1423.00	-999.99
568-38-6	359.07	-99.99	M	-99.99	-99.99	1480.00	-999.99
568-4-2	24.47	-99.99		-99.99	-99.99	1579.00	-999.99
568-4-4	27.26	-99.99		-99.99	-99.99	1554.00	-999.99
568-40-3	373.34	-99.99		-99.99	-99.99	1583.00	-999.99
568-40-4	375.40	-99.99		-99.99	-99.99	1663.00	-999.99
568-41-3	383.27	-99.99		-99.99	-99.99	1646.00	-999.99
568-42-4	394.84	-99.99		-99.99	-99.99	1547.00	-999.99
568-42-5	395.09	-99.99		-99.99	-99.99	1547.00	-999.99
568-42-6	397.67	-99.99		-99.99	-99.99	-9999.99	-999.99
568-43-1	398.74	-99.99		-99.99	-99.99	1546.00	-999.99
568-43-4	403.42	-99.99		-99.99	-99.99	1709.00	-999.99
568-44-2	409.91	-99.99		-99.99	-99.99	1566.00	-999.99
568-44-5	414.95	-99.99		-99.99	-99.99	1595.00	-999.99
569-10-1	78.90	-99.99		-99.99	-99.99	1501.00	-999.99
569-11-1	87.94	-99.99		-99.99	-99.99	-9999.99	-999.99
569-11-2	90.26	-99.99		-99.99	-99.99	2177.00	-999.99
569-12-1	98.50	-99.99		-99.99	-99.99	1450.00	-999.99
569-12-3	100.38	-99.99		-99.99	-99.99	1568.00	-999.99
569-12-6	105.59	-99.99		-99.99	-99.99	-9999.99	-999.99
569-14-2	117.83	-99.99		-99.99	-99.99	1679.00	-999.99
569-15-2	127.56	-99.99	M	-99.99	-99.99	1717.00	-999.99
569-16-CC	136.33	-99.99		-99.99	-99.99	1760.00	-999.99
569-17-5	151.26	-99.99		-99.99	-99.99	1681.00	-999.99
569-17-6	152.66	-99.99		-99.99	-99.99	1560.00	-999.99
569-20-1	174.32	-99.99		-99.99	-99.99	1737.00	-999.99
569-22-2	194.52	-99.99		-99.99	-99.99	1559.00	-999.99
569-23-1	203.47	-99.99		-99.99	-99.99	-9999.99	-999.99
569-23-2	206.51	-99.99		-99.99	-99.99	1704.00	-999.99
569-24-1	212.35	-99.99		-99.99	-99.99	1790.00	-999.99
569-24-4	216.89	-99.99		-99.99	-99.99	-9999.99	-999.99
569-24-5	218.93	-99.99		-99.99	-99.99	1748.00	-999.99
569-25-1	222.86	-99.99		-99.99	-99.99	1687.00	-999.99
569-26-1	231.77	-99.99		-99.99	-99.99	1797.00	-999.99
569-26-5	238.41	-99.99		-99.99	-99.99	1697.00	-999.99
569-27-3	245.22	-99.99		-99.99	-99.99	1791.00	-999.99
569-27-CC	250.70	-99.99		-99.99	-99.99	-9999.99	-999.99
569-6-2	42.77	-99.99		-99.99	-99.99	1525.00	-999.99
569-6-4	44.82	-99.99		-99.99	-99.99	1530.00	-999.99
569-6-6	48.32	-99.99		-99.99	-99.99	2104.00	-999.99
569-6-CC	49.70	-99.99		-99.99	-99.99	-9999.99	-999.99
569-7-1	51.02	-99.99		-99.99	-99.99	1535.00	-999.99
569-7-4	55.52	-99.99		-99.99	-99.99	1694.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
569-7-6	58.32	-99.99		-99.99	-99.99	1492.00	-999.99
569-8-2	60.92	-99.99		-99.99	-99.99	1762.00	-999.99
569-8-3	62.82	-99.99		-99.99	-99.99	1874.00	-999.99
569-9-2	70.92	-99.99		-99.99	-99.99	-9999.99	-999.99
569-9-CC	77.90	-99.99		-99.99	-99.99	-9999.99	-999.99
569A-1-1	246.98	-99.99		-99.99	-99.99	1749.00	-999.99
569A-1-4	251.73	-99.99		-99.99	-99.99	1846.00	-999.99
569A-4-1	274.62	-99.99		-99.99	-99.99	1913.00	-999.99
569A-6-1	294.54	-99.99	M	-99.99	-99.99	1761.00	-999.99
569A-9-1	332.32	-99.99		-99.99	-99.99	2680.00	-999.99
569A-9-CC	334.10	-99.99		-99.99	-99.99	1618.00	-999.99
570-21-2	194.00	-99.99		-99.99	-99.99	-9999.99	-999.99
570-22-1	202.22	-99.99		-99.99	-99.99	-9999.99	-999.99
570-22-4	206.23	-99.99		-99.99	-99.99	-9999.99	-999.99
570-27-CC	250.70	-99.99		-99.99	-99.99	2625.00	-999.99
570-28-7	268.12	-99.99		-99.99	-99.99	-9999.99	-999.99
570-28-CC	268.30	-99.99		-99.99	-99.99	-9999.99	-999.99
570-29-2	271.02	-99.99	M	-99.99	-99.99	-9999.99	-999.99
570-3-2	19.52	-99.99		-99.99	-99.99	1504.00	-999.99
570-3-5	24.52	-99.99		-99.99	-99.99	1809.00	-999.99
570-3-6	25.52	-99.99		-99.99	-99.99	1742.00	-999.99
570-4-1	28.22	-99.99		-99.99	-99.99	1795.00	-999.99
570-4-4	32.01	-99.99		-99.99	-99.99	1811.00	-999.99
570-4-CC	36.70	-99.99		-99.99	-99.99	-9999.99	-999.99
570-5-6	45.72	-99.99		-99.99	-99.99	1895.00	-999.99
576-1-1	5.21	-99.99	ML, I	-99.99	-99.99	-9999.99	-999.99
576-1-2	6.71	-99.99	ML, I	-99.99	-99.99	-9999.99	-999.99
576-2-1	7.70	-99.99	ML, I	-99.99	-99.99	1439.00	4.00
576-2-2	9.30	-99.99	ML	-99.99	-99.99	1444.00	6.00
576-2-3	10.89	-99.99	ML	-99.99	-99.99	1452.00	10.00
576-2-4	12.70	-99.99	ML	-99.99	-99.99	1445.00	12.00
576-2-5	13.86	-99.99	ML	-99.99	-99.99	1441.00	21.00
576-2-6	15.11	-99.99	ML	-99.99	-99.99	1440.00	12.00
576-3-1	10.50	-99.99	ML, I	-99.99	-99.99	1437.00	10.00
576-3-2	11.79	-99.99	ML, I	-99.99	-99.99	1435.00	13.00
576-3-3	13.40	-99.99	ML, I	-99.99	-99.99	1447.00	17.00
576-3-4	14.70	-99.99	ML, I	-99.99	-99.99	1424.00	16.00
576-4-1	20.08	-99.99	ML, I	-99.99	-99.99	1464.00	16.00
576-4-2	21.16	-99.99	ML, I	-99.99	-99.99	1445.00	17.00
576-4-3	22.76	-99.99	ML, I	-99.99	-99.99	1439.00	20.00
576-4-4	24.22	-99.99	ML, I	-99.99	-99.99	1459.00	-999.99
576-4-5	25.76	-99.99	ML, I	-99.99	-99.99	1433.00	26.00
576-4-6	27.36	-99.99	ML, I	-99.99	-99.99	1438.00	45.00
576-5-1	28.95	-99.99	ML	-99.99	-99.99	1425.00	44.00

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
576-5-2	30.40	-99.99	ML	-99.99	-99.99	-9999.99	34.00
576-5-3	31.94	-99.99	ML	-99.99	-99.99	-9999.99	37.00
576-5-5	37.67	-99.99	ML	-99.99	-99.99	1435.00	42.00
576-5-6	39.24	-99.99	ML	-99.99	-99.99	1440.00	45.00
576-6-3	38.16	-99.99	ML	-99.99	-99.99	1427.00	55.00
576-6-4	39.59	-99.99	ML	-99.99	-99.99	1421.00	63.00
576-6-5	41.21	-99.99	ML	-99.99	-99.99	1424.00	58.00
576-6-6	42.66	-99.99	ML	-99.99	-99.99	1431.00	63.00
576-7-1	45.36	-99.99	ML	-99.99	-99.99	1426.00	52.00
576-7-2	47.92	-99.99	ML	-99.99	-99.99	1428.00	70.00
576-7-3	49.51	-99.99	ML	-99.99	-99.99	-9999.99	-999.99
576-7-4	50.91	-99.99	ML	-99.99	-99.99	1431.00	68.00
576-7-5	52.10	-99.99	ML	-99.99	-99.99	-9999.99	65.00
576-7-6	53.95	-99.99	ML	-99.99	-99.99	-9999.99	67.00
576B-1-1	0.85	-99.99		-99.99	-99.99	1444.00	11.00
576B-1-2	2.20	-99.99		-99.99	-99.99	1470.00	-999.99
576B-1-3	3.75	-99.99		-99.99	-99.99	1452.00	15.00
576B-1-4	5.05	-99.99		-99.99	-99.99	1449.00	12.00
576B-1-5	6.95	-99.99		-99.99	-99.99	1458.00	14.00
576B-2-1	12.24	-99.99		-99.99	-99.99	1461.00	9.00
576B-2-2	13.91	-99.99		-99.99	-99.99	-9999.99	7.00
576B-2-3	15.46	-99.99		-99.99	-99.99	1465.00	21.00
576B-2-4	21.29	-99.99		-99.99	-99.99	1457.00	15.00
576B-2-5	22.80	-99.99		-99.99	-99.99	1496.00	63.00
576B-2-6	24.36	-99.99		-99.99	-99.99	1459.00	62.00
576B-3-1	21.70	-99.99		-99.99	-99.99	1450.00	41.00
576B-3-2	23.26	-99.99		-99.99	-99.99	-9999.99	41.00
576B-3-3	24.38	-99.99		-99.99	-99.99	1451.00	33.00
576B-3-4	26.85	-99.99		-99.99	-99.99	1445.00	30.00
576B-3-5	27.80	-99.99		-99.99	-99.99	1445.00	30.00
576B-3-6	29.17	-99.99		-99.99	-99.99	1449.00	47.00
576B-4-4	38.30	-99.99		-99.99	-99.99	1448.00	50.00
576B-4-5	39.60	-99.99		-99.99	-99.99	1453.00	50.00
576B-4-6	41.31	-99.99		-99.99	-99.99	1444.00	51.00
576B-5-2	42.53	-99.99		-99.99	-99.99	1516.00	50.00
576B-5-3	43.91	-99.99		-99.99	-99.99	1463.00	58.00
576B-5-4	45.32	-99.99		-99.99	-99.99	1435.00	68.00
576B-5-5	46.82	-99.99		-99.99	-99.99	1452.00	65.00
576B-5-6	48.28	-99.99		-99.99	-99.99	1456.00	65.00
576B-7	60.45	-99.99		-99.99	-99.99	-9999.99	-999.99
578-1-1	1.30	-99.99		-99.99	-99.99	1460.00	-999.99
578-1-3	4.25	-99.99		-99.99	-99.99	1461.00	-999.99
578-10-2	83.31	-99.99	ML, I	-99.99	-99.99	1448.00	64.00
578-10-4	86.40	-99.99	ML, I	-99.99	-99.99	1464.00	64.00



Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
578-10-6	88.91	-99.99	ML,I	-99.99	-99.99	1469.00	61.00
578-11-2	93.00	-99.99		-99.99	-99.99	1462.00	62.00
578-11-4	95.81	-99.99		-99.99	-99.99	-9999.99	64.00
578-11-6	98.61	-99.99		-99.99	-99.99	1466.00	64.00
578-12-2	102.10	-99.99		-99.99	-99.99	1463.00	65.00
578-12-5	106.81	-99.99		-99.99	-99.99	1465.00	85.00
578-13-2	111.74	-99.99	ML	-99.99	-99.99	1459.00	64.00
578-13-4	114.97	-99.99	ML	-99.99	-99.99	1459.00	62.00
578-13-6	117.72	-99.99	ML	-99.99	-99.99	1480.00	65.00
578-14-2	121.17	-99.99	ML	-99.99	-99.99	1469.00	85.00
578-14-4	124.27	-99.99	ML	-99.99	-99.99	1467.00	98.00
578-14-6	127.13	-99.99	ML	-99.99	-99.99	1471.00	91.00
578-15-2	130.75	-99.99	ML	-99.99	-99.99	1469.00	128.00
578-15-4	133.75	-99.99	ML	-99.99	-99.99	1479.00	121.00
578-15-6	136.75	-99.99	ML	-99.99	-99.99	1482.00	128.00
578-16-2	140.27	-99.99	ML	-99.99	-99.99	1484.00	128.00
578-16-3	141.75	-99.99	ML	-99.99	-99.99	-9999.99	-999.99
578-16-4	143.31	-99.99	ML	-99.99	-99.99	1477.00	128.00
578-17-1	148.31	-99.99	ML	-99.99	-99.99	1474.00	-999.99
578-17-3	151.31	-99.99	ML	-99.99	-99.99	1468.00	-999.99
578-17-5	154.33	-99.99	ML	-99.99	-99.99	1468.00	-999.99
578-18-3	160.82	-99.99	ML,I	-99.99	-99.99	1510.00	134.00
578-18-4	162.33	-99.99	ML,I	-99.99	-99.99	1468.00	-999.99
578-19-1	167.31	-99.99	ML,I	-99.99	-99.99	1491.00	21.00
578-19-3	170.30	-99.99	ML	-99.99	-99.99	1519.00	159.00
578-2-2	7.30	-99.99	ML	-99.99	-99.99	1537.00	-999.99
578-2-3	8.50	-99.99	ML	-99.99	-99.99	1480.00	28.00
578-2-4	10.15	-99.99	ML	-99.99	-99.99	1468.00	51.00
578-3-2	16.80	-99.99		-99.99	-99.99	1468.00	43.00
578-3-3	18.30	-99.99		-99.99	-99.99	1528.00	-999.99
578-3-4	19.92	-99.99		-99.99	-99.99	1465.00	43.00
578-3-5	20.93	-99.99		-99.99	-99.99	1770.00	-999.99
578-3-6	22.85	-99.99		-99.99	-99.99	1528.00	39.00
578-4-2	25.89	-99.99		-99.99	-99.99	-9999.99	41.00
578-4-3	27.80	-99.99		-99.99	-99.99	1559.00	73.00
578-4-5	30.51	-99.99		-99.99	-99.99	1460.00	58.00
578-5-2	35.11	-99.99	ML,I	-99.99	-99.99	1469.00	39.00
578-5-3	37.00	-99.99	ML,I	-99.99	-99.99	1478.00	-999.99
578-5-5	40.16	-99.99	ML,I	-99.99	-99.99	1468.00	46.00
578-5-6	41.57	-99.99	ML,I	-99.99	-99.99	-9999.99	55.00
578-6-2	45.07	-99.99		-99.99	-99.99	1468.00	91.00
578-6-3	47.73	-99.99		-99.99	-99.99	1541.00	-999.99
578-6-4	48.16	-99.99		-99.99	-99.99	1473.00	38.00
578-6-6	51.01	-99.99		-99.99	-99.99	1469.00	39.00

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
578-7-2	54.69	-99.99		-99.99	-99.99	-9999.99	-999.99
578-7-4	57.50	-99.99		-99.99	-99.99	1470.00	-999.99
578-7-6	60.65	-99.99		-99.99	-99.99	1468.00	-999.99
578-8-2	64.25	-99.99		-99.99	-99.99	1461.00	-999.99
578-8-4	67.47	-99.99		-99.99	-99.99	1486.00	-999.99
578-8-6	70.01	-99.99		-99.99	-99.99	1508.00	57.00
578-9-2	74.02	-99.99		-99.99	-99.99	1463.00	49.00
578-9-4	77.01	-99.99		-99.99	-99.99	1454.00	51.00
578-9-6	82.06	-99.99		-99.99	-99.99	1470.00	53.00
579-1-2	2.67	-99.99		-99.99	-99.99	1484.00	-999.99
579-1-5	7.19	-99.99		-99.99	-99.99	1485.00	-999.99
579-10	104.25	-99.99		-99.99	-99.99	-9999.99	-999.99
579-11	113.75	-99.99		-99.99	-99.99	-9999.99	-999.99
579-12	123.25	-99.99		-99.99	-99.99	-9999.99	-999.99
579-13	132.75	-99.99		-99.99	-99.99	-9999.99	-999.99
579-14	142.25	-99.99		-99.99	-99.99	-9999.99	-999.99
579-15	151.75	-99.99		-99.99	-99.99	-9999.99	-999.99
579-2-2	11.25	-99.99		-99.99	-99.99	1493.00	18.00
579-2-5	15.26	-99.99		-99.99	-99.99	1475.00	-999.99
579A-1-3	17.83	-99.99		-99.99	-99.99	1474.00	43.00
579A-1-5	21.00	-99.99		-99.99	-99.99	1472.00	41.00
579A-2-3	27.45	-99.99		-99.99	-99.99	1488.00	46.00
579A-2-5	30.30	-99.99		-99.99	-99.99	1477.00	40.00
579A-3-2	35.20	-99.99		-99.99	-99.99	1488.00	32.00
579A-3-5	39.60	-99.99		-99.99	-99.99	1499.00	44.00
579A-4-1	43.39	-99.99		-99.99	-99.99	1474.00	35.00
579A-4-2	44.69	-99.99		-99.99	-99.99	-9999.99	-999.99
579A-4-3	46.43	-99.99		-99.99	-99.99	1480.00	40.00
579A-5-2	54.38	-99.99		-99.99	-99.99	1462.00	-999.99
579A-5-5	58.40	-99.99		-99.99	-99.99	1530.00	46.00
580-1-2	2.70	-99.99		-99.99	-99.99	1560.00	-999.99
580-10	84.05	-99.99		-99.99	-99.99	-9999.99	-999.99
580-10-2	81.97	-99.99		-99.99	-99.99	1486.00	-999.99
580-10-5	86.44	-99.99		-99.99	-99.99	1491.00	-999.99
580-11	93.55	-99.99		-99.99	-99.99	-9999.99	-999.99
580-11-4	94.47	-99.99		-99.99	-99.99	1477.00	-999.99
580-12-2	100.63	-99.99		-99.99	-99.99	1508.00	-999.99
580-12-5	105.01	-99.99		-99.99	-99.99	1482.00	-999.99
580-13-2	109.98	-99.99		-99.99	-99.99	1479.00	-999.99
580-13-5	114.58	-99.99		-99.99	-99.99	1484.00	-999.99
580-14	122.05	-99.99		-99.99	-99.99	-9999.99	-999.99
580-15	131.55	-99.99		-99.99	-99.99	-9999.99	-999.99
580-16-2	139.00	-99.99		-99.99	-99.99	1498.00	-999.99
580-16-5	143.45	-99.99		-99.99	-99.99	1507.00	-999.99

Sample ID	Depth (m)	Clay Content (%)	XRD Clay Mineralogy	Sand Content (%)	Carbonate Content (%)	P Wave Velocity (m/s)	S Wave Velocity (m/s)
580-17-2	148.59	-99.99		-99.99	-99.99	1490.00	-999.99
580-17-5	153.05	-99.99		-99.99	-99.99	1490.00	-999.99
580-2-2	5.52	-99.99		-99.99	-99.99	1479.00	-999.99
580-2-4	8.96	-99.99		-99.99	-99.99	1479.00	-999.99
580-3-3	16.57	-99.99		-99.99	-99.99	1486.00	-999.99
580-3-6	21.18	-99.99		-99.99	-99.99	1470.00	-999.99
580-4-2	24.63	-99.99		-99.99	-99.99	1465.00	-999.99
580-4-4	27.77	-99.99		-99.99	-99.99	1488.00	-999.99
580-5-1	32.47	-99.99		-99.99	-99.99	-9999.99	-999.99
580-5-2	34.24	-99.99		-99.99	-99.99	1464.00	-999.99
580-5-4	37.14	-99.99		-99.99	-99.99	1486.00	-999.99
580-6-2	43.86	-99.99		-99.99	-99.99	1479.00	-999.99
580-6-5	48.05	-99.99		-99.99	-99.99	1472.00	-999.99
580-7-2	53.24	-99.99		-99.99	-99.99	1476.00	-999.99
580-7-4	56.25	-99.99		-99.99	-99.99	1467.00	-999.99
580-8	65.15	-99.99		-99.99	-99.99	-9999.99	-999.99
580-8-2	62.68	-99.99		-99.99	-99.99	1488.00	-999.99
580-8-5	67.35	-99.99		-99.99	-99.99	1515.00	-999.99
580-9	74.55	-99.99		-99.99	-99.99	-9999.99	-999.99
580-9-2	72.00	-99.99		-99.99	-99.99	1527.00	-999.99
580-9-3	73.12	-99.99		-99.99	-99.99	-9999.99	-999.99
580-9-5	76.60	-99.99		-99.99	-99.99	1484.00	-999.99
581-10-3	261.57	-99.99	ML, I	-99.99	-99.99	1474.00	-999.99
581-2-6	190.10	-99.99		-99.99	-99.99	1498.00	-999.99
581-3-5	198.30	-99.99		-99.99	-99.99	1510.00	-999.99
581-4-2	202.80	-99.99		-99.99	-99.99	1512.00	-999.99
581-6-2	222.05	-99.99		-99.99	-99.99	1513.00	-999.99
581-6-5	226.26	-99.99		-99.99	-99.99	1501.00	-999.99
581-7-5	235.69	-99.99		-99.99	-99.99	1519.00	-999.99
581-8-5	245.20	-99.99	ML	-99.99	-99.99	1481.00	-999.99
581-9-4	253.04	-99.99	ML	-99.99	-99.99	1472.00	-999.99