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Geotechnical Investigation of Liquefaction Sites, Imperial Valley, California

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ABSTRACT

On April 26, 1981, an earthquake (Ms=6.0) occurred 6 km north of Westmorland in the Imperial Valley of California. Although there was no surface faulting associated with this earthquake, there were many surface expressions of liquefaction, mostly sand boils. Similar effects occurred in the area after earthquakes in 1930, 1950, and 1957. Sand boils were concentrated in areas of late-Holocene fluvial-deltaic deposits. These deposits originated from the surrounding mountains and from the Colorado Plateau via the Colorado River. To investigate the liquefaction sites from the 1981 and previous earthquakes, soundings were made with a cone penetrometer to define sediment profiles. Following cone testing, samples and standard penetration data were taken from selected intervals. Continuous auger samples were taken to obtain large disturbed samples and to retrieve a complete section of sediment. Sediment was tested in the laboratory to determine grain-size distribution and water content-properties. The penetration data and sediment properties were used to classify sediment and develop sediment profiles at 68 sounding sites. These sounding sites are grouped into 11 study areas, of which five are described in detail. The five principle study areas are (1) Wildlife Management area, (2) Vail Canal, (3) Kornbloom Road, (4) Radio Tower, and (5) McKim Ranch. These sites have also been selected for additional studies by Purdue University, Stanford University and the University of Texas.

Field studies and laboratory tests show that liquefaction occurred in loose very fine sand and loose silt that were deposited in channel, flood plain, and deltaic environments during the late-Holocene. Although the sediments that liquefied are presumed to be similar in age, the sediments originated in different depositional environments and show very limited lateral continuity. The only stratigraphic unit that did show lateral continuity at all sites is a lacustrine deposit underlying sediment that liquefied.

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INTRODUCTION

An earthquake (Ms=6.0) occurred on 26 April, 1981, in the Imperial Valley, near Westmorland, California (fig. 1). The earthquake damaged buildings and canals and generated abundant ground failures, many by liquefaction. Similar effects occurred in the area after earthquakes in 1930, 1950, and 1957. A reconnaissance team of geologists and engineers checked all reports of damage to canals, roads and fields from the 1981 earthquake. A report describes damage to canals, roads and fields at 22 localities where liquefaction effects were most significant (Youd and Wieczorek, in press). From the 22 localities that liquefied in 1981 and from loclities that liquefied in previous earthquakes 11 groups were selected for further study (Fig. 1). Preliminary testing began in May 1982; further testing was conducted in January and March, 1983. The goals of the testing are to (1) define the soil profile and sediment properties, (2) identify the sediment susceptible to liquefaction and, (3) select a site for installation of accelerometers and piezometers to record ground-motion response and pore-water pressure changes during future earthquakes.

GEOLOGY

The Imperial Valley lies within the central part of the Salton Trough geomorphic province, a complex structural depression created by crustal rifting of the Gulf of California. High seismicity in the valley indicates tectonism is continuing at the present time. Sharp (1982) reports that the Salton Trough contains as much as 6 km of marine and terrigenous sediment deposited during the past 4 million years (and perhaps during the past 20 million years). During the late-Pleistocene the Imperial Valley became isolated from the southern part of the Salton trough as the Colorado River delta aggraded. As a result, the northern part of the valley now contains sediment deposited in fluvial and ephemeral lacustrine environments. Lake Cahuilla is the name given to the ancient lake which periodically filled the basin, now occupied by the Salton Sea. The Salton Sea was created between 1905 and 1907 when the entire flow of the Colorado River was accidentally diverted into the Imperial Valley. Between A.D. 700 and A.D. 1580, Lake Cahuilla filled the basin four times; the maximum lake level reached an elevation of 12 m (Waters, 1983). Two sources of sediment that have filled the valley are the local hills and mountains and the Colorado Plateau via the Colorado River. Holocene sediment is between 60- and 100-m thick (Van de Kamp, 1973). The main depositional environments during the Holocene have been alluvial fans and braided streams that extend into the valley from the surrounding hills and, interbedded lacustrine, flood plain, and meandering channel environments in the central part of the valley. The geologic and tectonic evolution of the valley have been described by Dibblee (1954), Morton (1977), and Sharp (1982).

METHODS

Field testing

In May 1982, a driling crew visited 11 areas to determine sediment profiles and sediment properties. We used penetration tests and different sampling techniques to obtain geologic and geotechnical data, depending on the type of data sought at each site. The cone penetration test (CPT) and standard penetration test (SPT) were used to define stratigraphic units and measure penetration resistance. Samples were obtained by (1) SPT, (2) auger sampling, (3) Shelby tube, and (4) piston tube.

The CPT measures tip resistance (qc) and sleeve friction (fs) as an electrical penetrometer is pushed into sediment at a rate of 2 cm/sec (ASTM, 1979). The tip indicates relative sediment strength whereas the ratio (Rf) of the sleeve and tip indicates sediment type (Sanglerate, 1972; Schmertmann, 1978). Resistance at the tip and friction on the sleeve are continuously recorded. All CPT soundings made in this investigation are listed in Table 1.

The SPT measures penetration resistance (N) and retrieves a sample from a 46 cm (1.5 ft) penetration interval. The penetration resistance measured by the SPT is the most common method for evaluating liquefaction susceptibility (Seed and Idriss, 1983). We made SPT tests at selected intervals based on the CPT. Samples from the SPT were used to identify bedding features and, determine index properties such as grain size and Atterberg limits. Samples from the SPT are taken intermittently to minimize sample disturbance. A list of sites where SPT were performed is shown in Table 1. Standard penetration test data are shown in Tables 2 through 10.

We used auger sampling to obtain large continuous samples. A 15-cm diameter solid-stem auger is rotated and advanced into the ground at a rate to minimize soil movement up the auger. When sediment displacement does occur on the auger, depth control is maintained by comparison with a CPT log. After penetrating an interval of 1.5 or 3.0 m, the auger is pulled vertically to the surface without rotation (Youd and Bennett, 1983). The auger sample is then examined for lithologic changes and sampled for index-property tests. Auger sampling sites are listed in Table 1. Auger sampling and SPT produce disturbed samples. Detailed examination of sedimentary structures and sophisticated laboratory tests require "undisturbed" samples.

We use two methods for obtaining undisturbed samples. Shelby-tube samples are obtained by slowly advancing thin-walled tubes into sediment. These samples are used to examine sedimentary structures for environmental interpretation. Piston sampling is also used in very loose or soft sediment to prevent sample disturbance.

Soil classification

Field descriptions and laboratory data are used to classify sediment according to the Unified Soil Classification (D2487, ASTM, 1978). Laboratory data are shown in Tables 2 through 10. Laboratory tests include grain size analysis (D422-63, ASTM, 1978), and Atterberg limits (D424-59, D423-66, ASTM, 1978). Grain size characteristics such as the median grain size (d50) and coefficient of uniformity (Cu) are used to describe the general size and sorting of sediment. The liquidity index (LI), calculated from the natural water content and the Atterberg limits, defines the physical state of the

sediment. Sediment that has a liquidity index greater than 1 is usually underconsolidated and metastable and (or) sensitive. An index near 0 indicates overconsolidation, whereas an index less than 0 indicates desiccation.

Stratigraphic nomenclature and depositional environments

We grouped sediment into informal stratigraphic units and subunits distinguished by grain-size characteristics, Atterberg limits and penetration resistance. These units correspond to depositional facies in the fluvial system. We are using a very simplfied fluvial model that divides sediment into two groups based on the method of sediment accretion. The first group consists of laterally accreted deposits such as point-bar deposits, channel-lag deposits, and channel-fill deposits. These deposits are created by the lateral migration of meandering channels. Channel-lag deposits are usually thin and discontinuous and represent the bottom of the channel where the coarsest material is transported. Deposition on point bars represents the major sedimentation process in meandering channels. Point bar deposits can be recognized by a fining-upward grain size accompanied by a transition from large-scale to small-scale crossbedding. Both characteristics represent a decrease in stream flow as the channel migrates. Channel-fill deposits represent the abandonment of the channel and vary from a fining-upward sequence of sand to silty sand, to clayey silt, depending on the rate of abandonment.

The second group of fluvial deposits consists of vertically accreted sediment such as levee deposits, flood-plain deposits, and flood-basin deposits. Vertically accreted deposits are formed during floods when water overtops the channel banks and flows onto the general flood plain. Levee deposits contain slightly finer sediment than found in point bars but contain very similar sedimentary structures. Levee deposits are not as thick as channel deposits and contain more interbedded sequences of fine sand and clayey silt. Flood-plain sediment can represent a wide range of grain sizes based on the velocity of the flood and the size of material being carried by the river. Flood-plain sediment is intermediate in size between the coarser levee deposits and the very fine flood-basin deposits. Generally the deposits are thin and grain size decreases away from the channel. Because flood-basin deposits represent the lower part of the flood plain they are poorly drained and contain the finest sediment. Sedimentary structures tend to be limited to finely laminated mud; in hot-dry climates various salts and evaporites are produced and incorporated within the fine sediment.

Levee, flood-plain, and flood-basin deposits interfinger and form thin discontinuous interbedded sheets of vertically accreted sediment. In the Imperial valley the dominant sediment type within the flood plain is silt. A model of a meandering channel and flood plain is shown in fig. 2.

Sediment not deposited in the channel or on the flood plain is deposited in a delta or lake. With the rise and fall of ephemeral lakes, deltaic deposits follow the topography, moving up slope as the lake level rises and retreating down slope when the lake level falls. Grain-size distribution within the delta is controlled by the dissipation of river energy as the river enters the lake. Lacustrine sediment is the finest and most uniform of the sediments described above. When compared with fluvial clays lacustrine clays are finer, more uniform in grain size, usually thicker, and more geographically widespread.

PRINCIPLE STUDY AREAS

Wildlife Management Area

The Wildlife site is located 3.2 km south of Calipatria in the Imperial Wildfowl Management Area (fig. 1). The site lies on the west side of the incised flood plain of the Alamo River. Sand boils developed on the flood plain during the 1981 earthqake. Penetration tests and samples define seven units in the upper 26.5 m. The three uppermost units are the most significant because they lie within the zone where liquefaction is most likely to occur. The location of the Wildlife site and a cross section across the flood plain is shown in fig. 3. The arrangement of soundings and sampling holes is shown in fig. 4. An individual CPT sounding is shown with averaged sediment properties in fig 5. Sediment properties are listed in Table 2.

Stratigraphic units:

Unit A (0-2.5 m) consists of very loose and very soft interbedded micaeous sandy silt, silt, and clayey silt. Color grades from dark reddish-gray at the top to dark gray and dark grayish-brown at the bottom. Wood fragments are very common throughout with larger fragments present in patches. The natural water content ranges from 27 to 43 percent. The liquidity index averages 1.6. This index property indicates that sediments in the unit are very loose and (or) soft. Cone penetration test and SPT data also indicate a very loose or soft condition. The contact between unit A and B is gradational.

Unit B (2.5-6.8 m) contains two subunits, B1 (2.5-3.5 m) and B2 (3.5-6.8 m). Subunit B1 consists of very loose to loose, dark grayish-brown, moderately sorted sandy silt. Small-scale cross bedding is common. The contact between subunits B1 and B2 is gradational. Subunit B2 consists of loose to medium dense, dark grayish-brown to dark brown, well-sorted silty sand to very fine sand. The coarsest sediment occurs at the base of the unit, with a sharp break to finer sediment that coarsens upward to about 4 m. The sediment then fines upward through B2 into B1. A large wood fragment from a depth of 6 m has been C-14 dated as 230 years, plus or minus 130 years (S. Robinson, 1983, written communication, USGS lab no. 1683). Subunit B2 is in sharp contact with underlying unit C.

Unit C (6.8-12 m) contains two subunits, C1 (6.8-7.5 m), and C2 (7.5-12 m). Subunit C1 consists of medium to stiff, dark grayish-brown, clayey silt. The liquidity index of this sediment is 0.6. The contact with underlying subunit C2 is gradational over a very short distance. Subunit C2 consists of medium to very stiff, dark reddish-gray, silty clay. The sediment in this subunit is very fine grained and uniform throughout the site. The liquidity index of this sediment is -0.2. Gypsum crystals are common throughout the subunit. The sharp contact between C2 and unit D is marked by an increase in cone resistance.

Unit D (12-17.5 m) consists of medium dense, olive gray to dark grayish-brown, moderate to very poorly sorted silt. The very dense upper part of the unit is a cemented silt. Interbeds of silt, clayey silt, and sandy silt are less than 0.7 m thick. The coarsest sediment occurs at the bottom of the unit. The nature of the contact with unit E is uncertain.

Unit E (17.5-21.5 m) is composed of moderately sorted, gray sand and reddish-gray clayey silt and silty clay. The clayey silt occurs as a 1-m-thick interbed in the middle of the unit, the silty clay is a 20-cm cap on top of the unit. The contact with underlying unit F is gradational.

Unit F (21.5-24.3) is mainly reddish-gray and reddish-brown clayey silt. At the base of the unit is a well-sorted, silty sand that grades upward to poorly sorted sandy silt and clayey silt. The liquidity index of one sample is 0.8. This unit is in sharp contact with underlying unit G.

Unit G (24.3-26.5) is comprised of very stiff, brown to dark brown clayey silt and silty clay. Other than very thin, greenish sandy interbeds, sand is not present. Our sampling did not extend to the bottom of this unit. The liquidity index of this unit is approximately 0.1. This unit is similar to unit C in that both are very fine grained and capped by clayey silt. They differ in color and liquidity index; unit C is redder and has a lower liquidity index.

Interpretation:

Our interpretation of the origin of these sediments is preliminary, and is based mostly on physical properties such as grain size and Atterberg limits. Interpretation of depositional environments is aided by the recency of the deposits and their close association with the present fluvial system.

Unit A is interpreted as a flood-plain deposit. Flood plain is used here to represent all over-bank deposits, including levee, crevasse-splay, and flood-basin. The unit contains a wide range in grain size with silt the dominant size fraction; interbeds of clayey silt and sandy silt are common with subhorizontal to wavey laminations. The coarsest sediment occurs near the bottom of the unit; sediment becomes finer away from the river. The abundance of organic matter in unit A is typical of flood-plain sediment. The upper surface of unit A is a modern flood plain where recent deposition by flood water occurs. The low penetration resistance and liquidity index (greater than 1) indicate the sediment is undessicated, underconsolidated, and very recent. The high liquidity index indicates the sediment has a metastable structure that is susceptible to liquefaction. Approximately 20 percent of the sediment is liquefiable according to Seed and Idriss (1983) based on a liquidity index greater than 0.9, liquid limit less than 35, and a sediment fraction (0.005 mm) less than 15 percent.

Unit B is interpreted to be a point-bar deposit. The unit is located on the concave side of a meander curve. Also, the coarest sediment in the unit occurs at the base as a lag deposit. Sedimentary structures in unit B consist of small-scale cross beds and horizontal laminations, typical of point bars. This unit contains features characteristic of point bars such as a fining-upward grain size and an upward change from well-sorted to moderately sorted sediment. The contact between units A and B is gradational, together the two units form the classic model of fluvial depositon shown in fig. 2 and described by Reineck and Singh (1975), and Allen (1965). Based on the loosness of sediment, high water table, and similarity to sand boil material unit B is identified to be the layer that liquefied and formed sand boils.

The silty clay in unit C is interpreted to be lacustrine. Other possibilities include marine and flood-basin environments. The marine environment is excluded because the isolation of the Imperial Valley by the Colorado River Delta occurred before or during the late-Pleistocene. A flood-

basin environment is excluded because flood basins are more influenced by moving water and would therefore be coarser, or contain sandy interbeds produced by flooding. Flood-basin deposits would have a much smaller geographic distribution. Evidence of a lacustrine origin include (1) a very fine grain size (less than 2% sand, 67% clay, and a d50 of 0.002 mm), (2) lateral uniformity of grain size, (3) the coarsening upward grain size, a regressive sequence that represents sediments filling in the lake or evaporation of the lake, (4) very regular and thin laminations indicating deposition in quiet water below wave base, and (5) the wide geographic distribution, and the similar stratigraphic position of the unit at other sites.

Interpretation of environments for units D, E, F, and G is based on grain-size analyzes from one auger-sampling hole. Units D, E, and F resemble unit A in basic grain size. Silt is the dominant sediment with small amounts of clay and sand. The clay and sand represent flood-basin and channel environments. Based on the thinness of the sand beds in units D, E, and F, these units would be unlikely to liquefy even if they were at a shallower depth. Unit G is similar to unit C and presumably originated in a lacustrine environment.

Based on the loose silt and silty sand at this site, and on the widespread occurrence of liquefaction effects during the 1981 earthquake, this site has been selected as an instrument station. The station includes two strong-motion accelerometers, one at 7.5 m and one on the ground surface, six piezometers, five in unit B, the unit that liquefied, and one at 12.2 m, and an oscillographic recorder. The instruments were placed in a circle with a radius of 9.1 m, no testing other than the placement of piezometers was permitted within the circle. During future earthquakes the accelerometers will trigger the piezometers and recorder. These data will be used to determine the relation between strong ground motion, pore-water pressure, and liquefaction. The arrangement of the accelerometers and piezometers is shown in fig. 6.

Vail Canal

The Vail Canal site is located within a broad and shallowly incised flood-plain terrace adjacent to the New River in the northern Imperial Valley (fig. 1). The geomorphology and stratigraphy of the area were significantly influenced by the 1905-07 Colorado River flood. At that time, the New River channel was greatly enlarged in this area and sand was deposited across the channel bottom. When flood waters subsided and the lake-level dropped, a smaller New River channel became incised at its present location forming an upper flood-plain terrace. The 1981 earthquake produced sand boils on this upper sandy terrace, particularily within a broad linear belt, the area selected for study. The Vail Canal site-plan (fig. 7) shows the arrangement of CPT soundings and sampling holes. A generalized cross section of the Vail Canal site is shown in fig. 8. The sediment cross section consists of sand, silty clay, silty sand, and silt units. The thickness of the units are uniform, with the exception of unit B, which is laterally bound by units C and D. Sediment properties are listed in Table 3.

Stratigraphic units:

Unit A (0-5.8 m) consists of dark brown to dark yellowish-brown, well-sorted, very fine sand with minor discontinuous interbeds of dark brown, moderately sorted, very fine sand. Discontinuous silt and clay interbeds are common at some stations, the unit is otherwise very uniform. The sediment contains sub-rounded to sub-angular, quartz sand; minor amounts of mica and gastropod shells usually form the coarsest fraction. Sand-sized, broken and whole gastropod shells are prominent from 3.8 to 5.0 m. Mica-poor, horizontal laminations comprised of alternating light-brown, quartz-rich sand and dark-brown silty sand occur from 2.1 to 3.2 m. Black plant filaments occur in a zone near the top of the unit. Yellowish-red mottling occurs at 0.5 m. The interbedded sands and silts comprise several fining-upwards sequences. At other stations along the cross section, the sand is very uniform with only minor grain-size variations; minor amounts of silt occurr only at the top of the unit. Penetration resistance indicates the sediment is loose to medium dense, usually becoming dense in lower portions of the unit. Contact with the underlying unit is sharp.

Unit B (discontinuous, maximum thickness 7.4 m) was not sampled, the CPT log indicates sands and silts similar to unit A. The lower part of the unit is a uniform sand which grades upward into more heterogenous silts and sands. The unit is capped with silt. The sediment is loose to dense. The lower contact of the unit was not reached; the exact nature of the lateral contacts with units C and D are not known.

Unit C (5.8-10.2 m) is a dark brown to dark yellowish-brown, medium stiff, silty clay. The silty clay is uniform; thin interbeds of well-sorted, very fine sand occur near the top of the unit. Yellowish-red mottling occurs at 6.1 m. The liquidity index ranges from 0.1 at 6.1 m to -0.4 at 8.2 m. The contact with the underlying unit is sharp to gradational.

Unit D (10.2 m - 16+ m) is a silt unit with varying amounts of very fine sand, silty sand and clay. There is a high degree of lateral variation within the unit. The silts and silty sands contain ripple cross-laminations and horizontal laminations, respectively. The sediment is medium dense to dense. CPT profiles terminate in this unit and the nature of the lower contact is unknown.

Interpretation:

Unit A represents channel deposits with minor amounts of silty flood-plain sediment (fig. 2). The channel deposit interpretation is based on the relative coarseness and well-sorted nature of the sediment (d50 ranges from 0.105 to 0.120 mm; Cu ranges from 1.8 to 2.2) and the presence of mica-poor horizontal laminations which indicates upper flow-regime conditions (Simons and others, 1965; Collinson and Thompson, p. 97, 1982). Both sediment type and sedimentary structures, and the implied flow conditions are characteristic of channel or near-channel depositional environments (Allen, 1965; Harms and Fahnestock, 1965; McKee and others, 1967). The finer components of the unit represent either upper point-bar or flood-plain sediment (Allen, 1965).

The inferred sands and silts of unit B are similar to unit A and probably represent channel and flood-plain sediment. Unit C is probably lacustrine rather than flood-basin sediment due to its fineness (d50 of 0.002 mm; 67% clay) and uniformity. Similar deposits are found at this elevation at all other study sites. Consistent with a lacustrine interpretation, sediment in

unit C lacks sand or patches of organic material. Unit D is variable. Finer-grained portions of the unit represent lacustrine and (or) flood-basin environments while sands and silts indicate channel and flood-plain environments.

Unit A is the primary liquefaction-prone unit because of its grain size, penetration resistance, and lateral extent underlying the zone of surficial liquefaction effects. Sediment in unit B is also susceptible to liquefaction but because of its limited lateral extent could not have been responsible for the majority of the sand boils.

Kornbloom Road

The Kornbloom Road site is the northernmost of the principle study sites (fig. 1). This area was inundated by an enlarged Salton Sea during the flood of 1905-07. Deposition at this time was influenced by fluvial, deltaic, and lacustrine processes. Sand boils from the 1981 earthquake were widespread in the study area; sand boil deposits are characteristically silty. The Kornbloom Road site plan (fig. 9) shows the arrangement of CPT soundings and sampling holes. A generalized cross section of the Kornbloom Road site is shown in fig. 10. The sediment cross section consists of silt, sand, and silty clay units. The units are of uniform thickness. Sediment properties are listed in Table 4.

Stratigraphic units:

Unit A (0-1.5 m) is a dark brown, stiff, micaceous silty clay to clayey silt with thin, discontinuous interbeds of dark brown, poorly sorted, micaceous sandy silt. The silty clay contains white calcium carbonate and (or) gypsum nodules and crack-fillings. Minor dark grayish-brown and dark yellowish-brown mottling occurs throughout. Minor amounts of detrital wood (up to 1 cm), both black and straw colored, are present. The liquidity index ranges from 0.7 to 1.0. The contact with the underlying unit is sharp.

Unit B (1.5-6.1 m) contains interbedded grayish-brown to dark brown, poorly sorted to well-sorted, micaceous silt and sandy silt with minor, thin interbeds of dark brown to grayish-brown, micaceous clayey silt and silty clay. The upper two meters of sediment are dark yellowish-brown with some yellowish-red mottling. A dark brown, well-sorted silty sand occurs at the base of the unit. Small white gastropod shells occur in the coarser sandy silt and silty sand portions of the unit. The micaceous silts and sandy silts have horizontal laminations; mica forms distinct layers, up to 3 mm thick. Ripple and ripple-drift (or climbing ripple) cross-laminations are also present. Deformation structures in silts and sandy silts, including convolute laminations and upwardly tilted planar laminations, occur in the uppermost meter of the unit. The lowermost silty sands are relatively mica-poor and have horizontal laminations comprised of alternating, light-brown quartzose sand and dark-brown silt. Sedimentary structures were observed in undisturbed Shelby-tube samples obtained at station 2. Minor amounts of black detrital wood (up to 2 cm) occur throughout the unit. A prelinianary C-14 date of between 100 and 300 years (S. Robinson, 1984, oral communication, USGS lab no. 1810) was obtained from detrital wood collected from a depth of 3.4 m in borehole Bw3 located 1.3 km east of the cross section in laterally adjacent silts of the same unit. Sediment at Bw3 is transitional between the silty facies typified by unit B at Kornbloom and an eastern, sandier facies of the same unit. Alternating silt and sandy silt subunits comprise several fining-

upwards sequences; contacts among the subunits are sharp to gradational. Penetration resistance indicate the sediment is loose to medium dense at the unit's base and very loose to loose in middle and upper portions of the unit. The contact with the underlying unit is sharp.

Unit C (6.1-8.6 m) is a dark brown to dark yellowish-brown, stiff, micaceous silty clay to clay with minor interbeds of dark brown clayey silt (up to 10 cm). Thin interbeds of silty sand occur at the top of the unit. Near the top of the unit a 4-cm-thick reddish-yellow layer occurs associated with thin laminations of micaceous silt and silty sand. Small, white, gastropod shells are concentrated in this layer in addition to being dispersed throughout the unit. The liquidity index of the unit ranges from 0.2 to 0.5. Unit C differs from unit A by being finer, thicker, and more uniform. Unit C lacks woody material, unit A does not. Unit C contains abundant gastropod shells, unit A has only a minor amount. In unit C, calcium carbonate or gypsum mineralization was not observed and yellowish-red mottling is more developed. The liquidity index for unit C is lower. The contact with underlying unit D is sharp.

Unit D (8.6-10.3 m) was not sampled, the CPT log indicates interbedded silt and sand. Several fining-upwards sequences are apparent. Sediment properties in this unit are probably comparable to unit B because of CPT-log similarities. The sediment is loose to medium dense. The contact with the underlying unit is sharp to gradational.

Unit E (10.3-12.0 m) was not sampled, the CPT log indicates uniform sand with minor interbeds of silt. The CPT log for this unit is similar to the coarser and more uniform lower part of unit B, and sediment properties for these units are probably similar. The sediment is medium dense to dense. The contact with the underlying unit is sharp to gradational.

Unit F (12.0-18 m) was not sampled, the CPT log indicates interbedded silt and sand. Several fining-upward sequences are apparent, as in units B and D. Sediment properties of this unit are probably comparable to unit B because of CPT-log similarities. The sediment is loose to medium dense. The nature of the lower contact of this unit is unknown.

Interpretation:

The silty clay units (A and C) are presumed to be lacustrine and (or) flood-basin deposits (fig. 2). The fineness of the sediment is ascribed to deposition by suspension-fallout in still or slowly moving water, such as localized and shallow ephemeral flood basins or basin-wide and deeper ephemeral lakes. Unit C is uniformily finer (d50 is typically 0.001 mm, 75% clay) than unit A (d50 ranges from 0.004 to 0.037 mm; 1% to 24% sand and 51% to 18% clay, respectively). Compared to unit A, unit C probably represents deposition by more uniform and less energetic suspension-fallout occurring in deeper waters of an ephemeral basin-wide lake. Unit-C-type deposits occur at similar depths at all the other study sites. The wide lateral extent of unit C, or equivalent deposits, and their thickness and uniformity over this area, support this interpretation.

The relative coarseness, heterogeneity, thinness, and lateral discontinuity of unit A suggest deposition in a shallow flood basin or in a flood plain inundated under rising lake waters, the deposits thus becoming more deltaic in nature. In either case, the depositional processes in both of the environments proposed for unit A fluctuate more readily and are more

closely related to fluvial and (or) fluvial-deltaic depositional processes than those operative in the inferred lacustrine deposits of unit C. The presence of dispersed, detrital wood in unit A also suggests a closer relation to subaerial environments. Conversely, unit C lacks woody material consistent with that units's postulated isolation from subaerial environments.

The silty and sandy units (B, D, E and F) were deposited in various subenvironments of the fluvial (fig. 2) and perhaps fluvial-deltaic depositional association. The following discussion is based on sampled unit B; environmental interpretations for the other units are presumed to be similar, based on CPT characteristics. The essential characteristic of unit B is its relative fineness and the pattern of alternating silt and sandy silt subunits which comprise several fining-upward depositional sequences. The heterogeneity of unit B is ascribed to successive waxing and waning of flow events. The sediment is too fine to represent channel deposition, except for the lowermost silty sands, which together with suprajacent silts, may represent a fining-upward point-bar deposit (Allen, 1965). The remaining silts and sandy silts which form the bulk of the deposit probably represent sediment deposited during overbank flow of silt-laden floodwaters which periodically spread across the flood plain (Allen, 1965; McKee, 1966). In this depositional setting, decelerating flow velocities cause finer suspension-load sediments to be deposited. Alternately, a similar deposit would form as silt-laden floodwaters decelerate in a deepening delta-front environment (Jopling and Walker, 1968).

The micaceous silts and sandy silts which occur in middle and upper portions of unit B, have horizontal laminations, ripple cross-laminations, and ripple-drift cross-laminations. Ripple cross-laminations are restricted to the lower part of the lower flow-regime (Simons et al., 1965). Ripple-drift cross-laminations occur when the ratio of suspended-load to bed-load increases (Jopling and Walker, p. 85, 1968). This occurs when flow velocities decelerate. This type of structure and the mixed bed-load and suspension-load deposition which it implies are commom in both flood-plain (McKee, 1939, 1966) and delta-front (Coleman and Gagliano 1965; Jopling and Walker, 1968) environments. Horizontal (or parallel) laminations in micaceous silts and sandy silts indicate deposition by suspension-fallout in still or slow-moving water (Harms and Fahnestock, p. 117, 1965; McKee, p. 100, 1966; Collinson and Thompson, p. 98, 1982). Horizontal laminations from suspension-fallout occur with ripple-drift cross-laminations in flood-plain and delta-front environments (Coleman and Gagliano, 1965; McKee, 1966; Jopling and Walker, 1968). Based on the above, the silty middle and upper portions of unit B are interpreted to represent flood-plain and (or) delta-front environments. The CPT logs for units D and F are comparable to the silty middle and upper portions of unit B and probably represent the same environments.

Mica-poor, horizontally laminated, silty sands occurring at the base of unit B indicate upper flow-regime conditions (Simons and others, 1965; Collinson and Thompson, p. 97, 1982). Upper flow regime, horizontally laminated sands occur in flood-related channel and near-channel deposits (Harms and Fahnestock, 1965; McKee and others, 1967). The lowermost sandy portion of unit B is interpreted to represent a channel environment. The CPT log for unit E indicates sand similar to the lower part of unit B and was probably deposited in a comparable channel environment.

Unit B is the probable source of the liquefaction based on the loosesnes of the sediment and the similarity in grain size to sand-boil sediment.

Radio Tower

The Radio Tower site is located north of Brawley in the incised flood plain of the New River (fig. 1). The site lies within a graded area, 153 m east of the river, near the KROP radio tower. The upper 15 m consists of four units of alternating silty clay, silt, and sand. Sand boils occurred here in 1979 and were rejuvenated by the 1981 earthquake (Youd and Wieczorek, in press). The arrangement of soundings and sample holes is shown in fig. 11. A generalized cross section of the Radio Tower site is shown in fig 12. Sediment properties are listed in Table 5.

Stratigraphic units:

Unit A consists of very poorly sorted, soft, brown clay and silt. Gypsum crystals are scattered throughout the unit. Sediment coarsens towards the river. Unit A is in sharp contact with the underlying unit.

Unit B consists of brown, loose to medium dense, silt to fine sand. The sediment at the base is well-sorted, very fine sand that grades upward to poorly sorted silt. Wavey laminations and alternating color bands of olive gray and dark grayish-brown are present. Except at station 2, this unit occurs at similar depths. At station 2 unit B is twice as thick as at the other stations, and extends to a greater depth. The extra thickness and greater depth also apply to unit A at station 2. Unit B is in sharp contact with the underlying unit.

Unit C consists of very stiff, brown, clayey silt to clay. Wavey laminations are common in the clayey silt, whereas small gastropod shells occur in coarser portions. There is more vertical variability in grain size in this unit than in similar units at the other study areas.

Based on CPT interpretion, unit D is a medium dense sand. This interpretation conflicts with an SPT sample from the unit of medium stiff, brown silt and clayey silt. Our explanation is that the SPT sample is not from unit D, most likely it represents the lowermost sediment from unit C or a thicker part of the fine interbed in unit D. In any case the recorded blowcount of 12 does not represent sandy sediment. Unit D is interpreted to have two sandy subunits separated by a clayey subunit. Sand is more abundant away from the river, the clayey subunit becomes thicker toward the river.

Interpretation:

The physical setting of this site is similar to that at Wildlife. Both sites lie within the incised flood plain of a river. Based on fine grain size and discontinuous interbeds, unit A represents a flood-basin deposit (fig. 2). The brown color and presence of gypsum indicate the sediments have been desiccated. Based on the upward-fining grain size and sedimentary structures, unit B is a channel deposit. We presume the very fine grain size, uniformity and thickness of the unit, and lack of sand indicate unit C is lacustrine in origin. Unit C at Radio Tower is very similar to unit C at Wildlife, Vail Canal, and Kornbloom Road.

McKim Ranch

The McKim site is located 10 km east of Imperial on the west side of the Alamo River (fig. 1.). This site was investigated because of sand-boil development during the 1979 Imperial Valley earthquake (Youd and Wieczorek,

1982). This site shows the greatest lateral variation in sediment type of all the sites. The only samples that have been tested are from a SPT made in the area of sand boil development. The two main sediment units in the top 11 m at McKim are very fine sand (Unit A) and stiff silty clay (Unit B). The arrangement of soundings and sample holes are shown in fig. 13. A generalized cross section at the McKim site is shown in fig. 14. Sediment properties are listed in Table 6.

Stratigraphic units:

Unit A (0-4. m) consists of loose, dilatant, reddish-brown very fine sand. The unit has a fining upward sequence in which no sedimentary structures were seen. Sorting varies from well sorted at the base to poorly sorted at the top. Gastropod shells are common throughout the unit. This unit is not uniform throughout the study area. The unit is thick in the area of CPT M6 and CPT M7 and thin in the area of CPT M5 and CPT M8. Unit A is in sharp contact with the underlying unit.

Unit B (0-4.8 m) consists of medium stiff brown, interbedded clayey silt and silty clay. Very few samples were taken in this unit, the CPT shows that the finest sediment is at the bottom and coarser sediment is at the top. Several sand lenses occur in the unit. The contact with the underlying unit is both gradational and sharp.

Unit C (4.8-10.7 m) consists of stiff, reddish-brown to dark reddish-brown silty clay. Calcium carbonate nodules are common throughout the unit. The silty clay is uniform throughout the unit and coarsens upward to clayey silt in the upper meter. The sharp contact with the underlying unit is marked by an abrupt rise in the cone penetration resistance.

Interpretation:

A relict channel, now covered and hidden by agricultural effects, runs northwesterly across the site (Youd and Wieczorek, 1982). The sediment in unit A represents loose sand that filled the channel. Sand boils that occurred here in 1979 were limited to the area where loose channel-fill occurs. The channel sediments are best seen in CPT M6 and M7, and SPT M6-7. All other soundings are outside of the channel and show different stratigraphy. The age of the small channel is unknown, but is likely to have formed after the evaporation of Lake Cahuilla and would therefore be less than 400 years old.

Other Sites

Some of the sites we investigated are not reported in detail. Cone penetration data for these sites are listed in Appendix B, sediment properties are listed in Tables 7 through 10.

COMPARSION OF SEDIMENT AT DIFFERENT SITES

Liquefiable sediment is of primary interest in this study. The liquefiable sediment is not the same deposit at all sites because the sediment did not originate under the same depositional conditions. The liquefied sediment varies from site to site but has some properties or features in common such as: (1) The liquefiable sand or silt is in a loose physical state measured by the cone and standard penetration tests, with increasing depth the sediment is found to be normally consolidated; it is never overconsolidated. (2) Except for a few thin interbeds at Kornbloom, the sediment contains less than 15 percent clay (less than 4 microns). (3) The liquefiable sediment has either no sediment above it or it has recently deposited loose or soft, finer-grained sediment overlying it; for example, the loose sediment overlying the liquefied sediment at Wildlife represents overbank deposition during the last 230 years or less. (4) At all sites the liquefiable sediment is underlain by dark reddish-brown to dark brown, very stiff silty clay to clay; the clay is very uniform, contains no sand interbeds, and has a liquidity index indicative of overconsolidation. This is the only sediment that can be traced throughout the entire study area. The clay at most sites is underlain by very dense silty sediment. The top of the dense silt is marked by a sharp increase in the CPT cone resistance that prevents further sounding. This dense horizon is interpreted as a desiccated zone.

SUMMARY

1. Widespread liquefaction effects such as sand boils and slumping were created by the 1981 Westmorland earthquake.

2. The study area has been periodically inundated by Colorado River flood waters. During the late-Pleistocene and Holocene these floods deposited large amounts of fluvial silt and sand and lacustrine silty clay.

3. Drilling methods that include CPT, SPT, and auger sampling provided data on penetration resistance and geotechnical properties that were used to develop sediment cross sections. These cross sections defined three main stratigraphic units.

4. The three main stratigraphic units and there mode of origin are (1) loose to very loose silt to clayey silt deposited in an overbank environment within the narrow flood plain of New and Alamo Rivers, (2) a very loose to medium dense very fine sand to silt deposited in channels of the New and Alamo Rivers and in a deltaic environment associated with ephemeral lakes (based on grain size and loose physical state this is the sediment that liquefied in 1981), (3) a stiff to very stiff silty clay to clay that represents a lacustrine environment, and is the only sediment found at all sites.

5. The sediment that liquefied can be directly identified at Kornbloom and Wildlife by comparison with sand boil sediment. At Kornbloom silty unit B liquefied, at Wildlife sandy unit B liquefied. At McKim the only sediment that could have liquefied is sand unit A. Based on low density and depth beneath the ground surface, sandy unit B at Radio Tower liquefied. Sandy unit A at Vail Canal liquefied based on its low relative density and the wide spread occurrence of sand boils.

6. Accelerometers and piezometers were placed within the anticipated zone of liquefaction at the Wildlife site to record strong ground-motion and pore-water pressure during future earthquakes.

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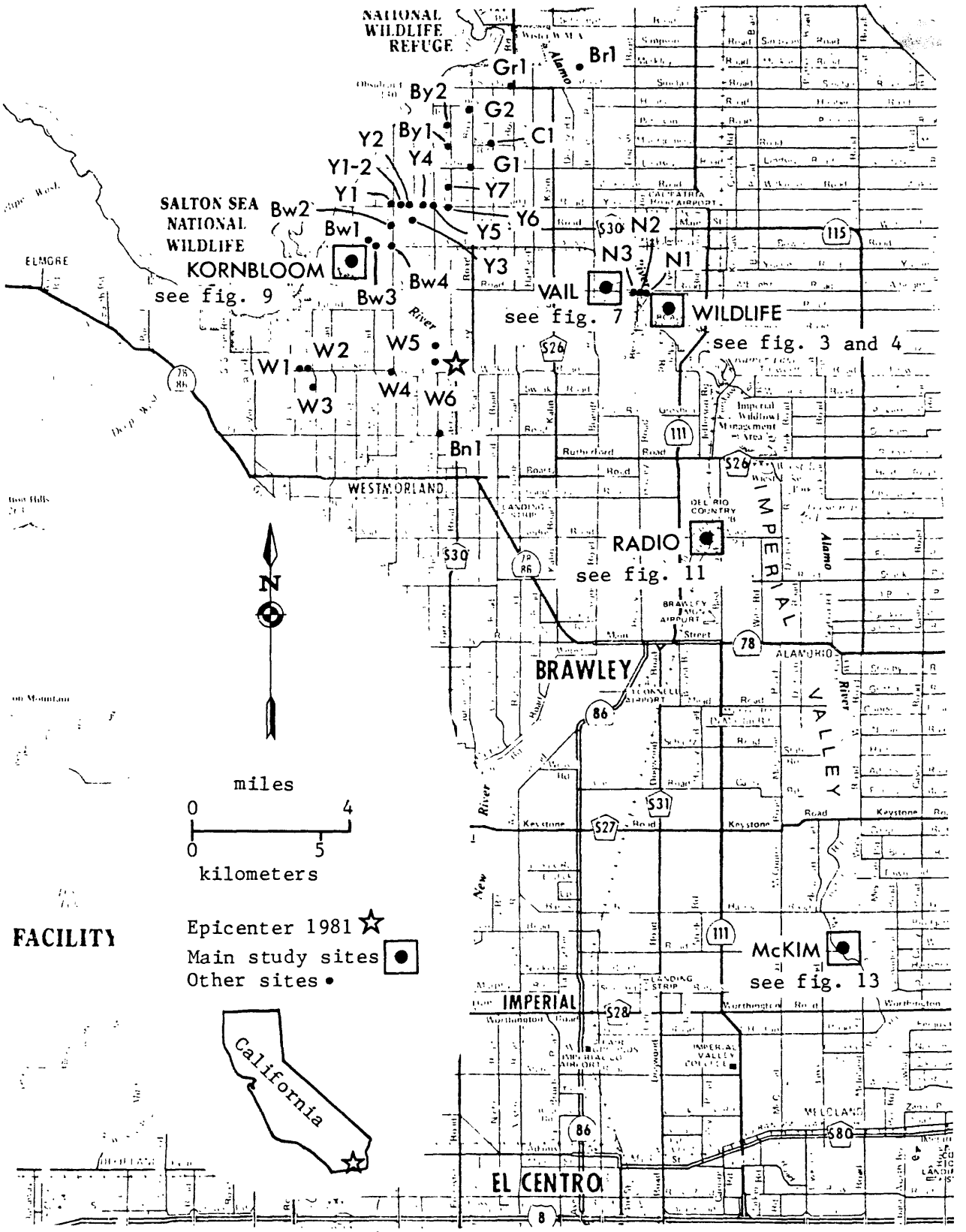


Figure 1. Epicenter of 1981 Westmorland earthquake and general study areas. Boxes identify main study areas. Detailed location maps are found in the figures listed below the site name. Dots and letter/number combinations represent locations of individual tests, full names and the type of tests performed are in Table 1.

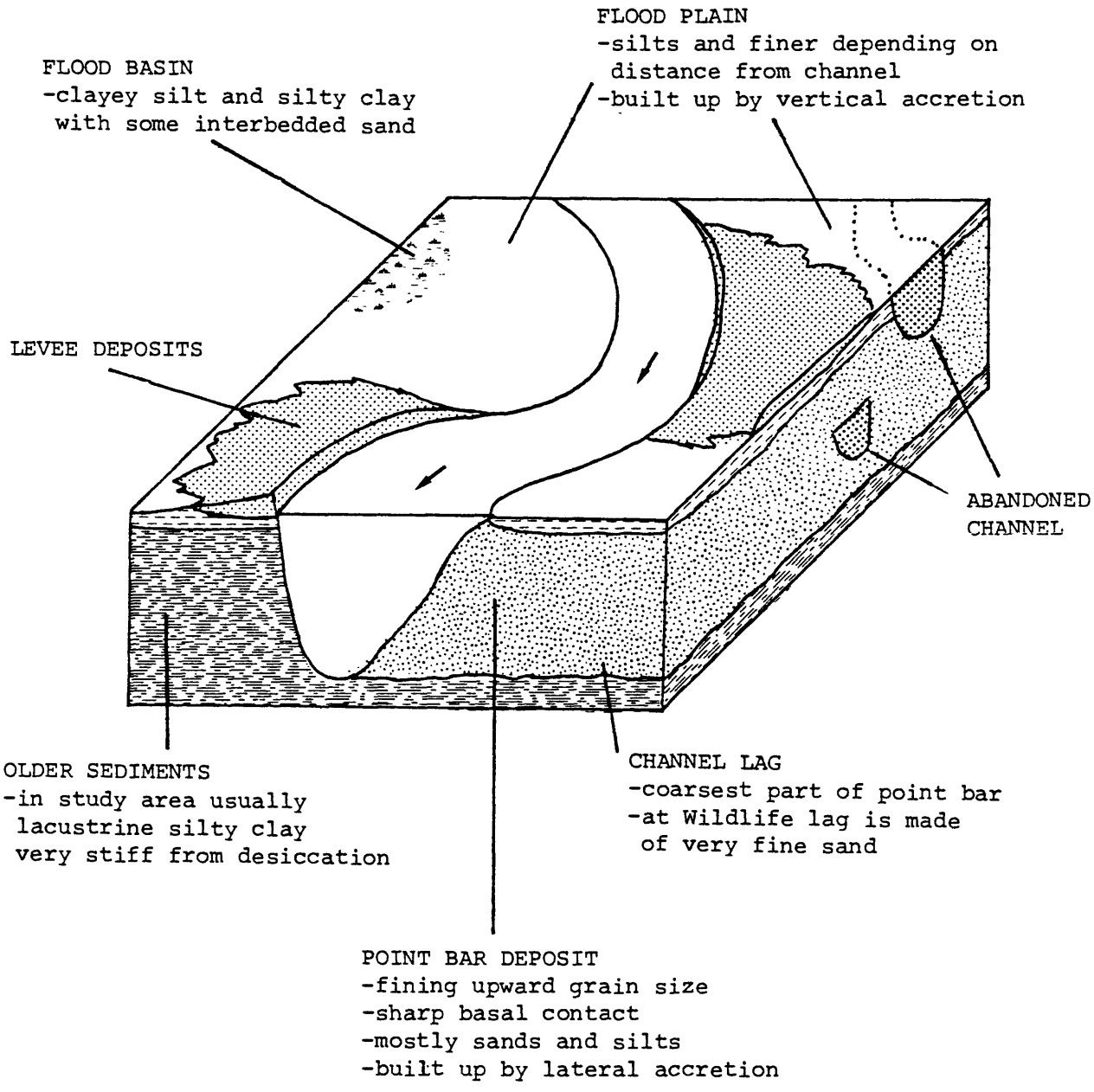


Figure 2. General model of fluvial depositon at Wildlife and other sites.

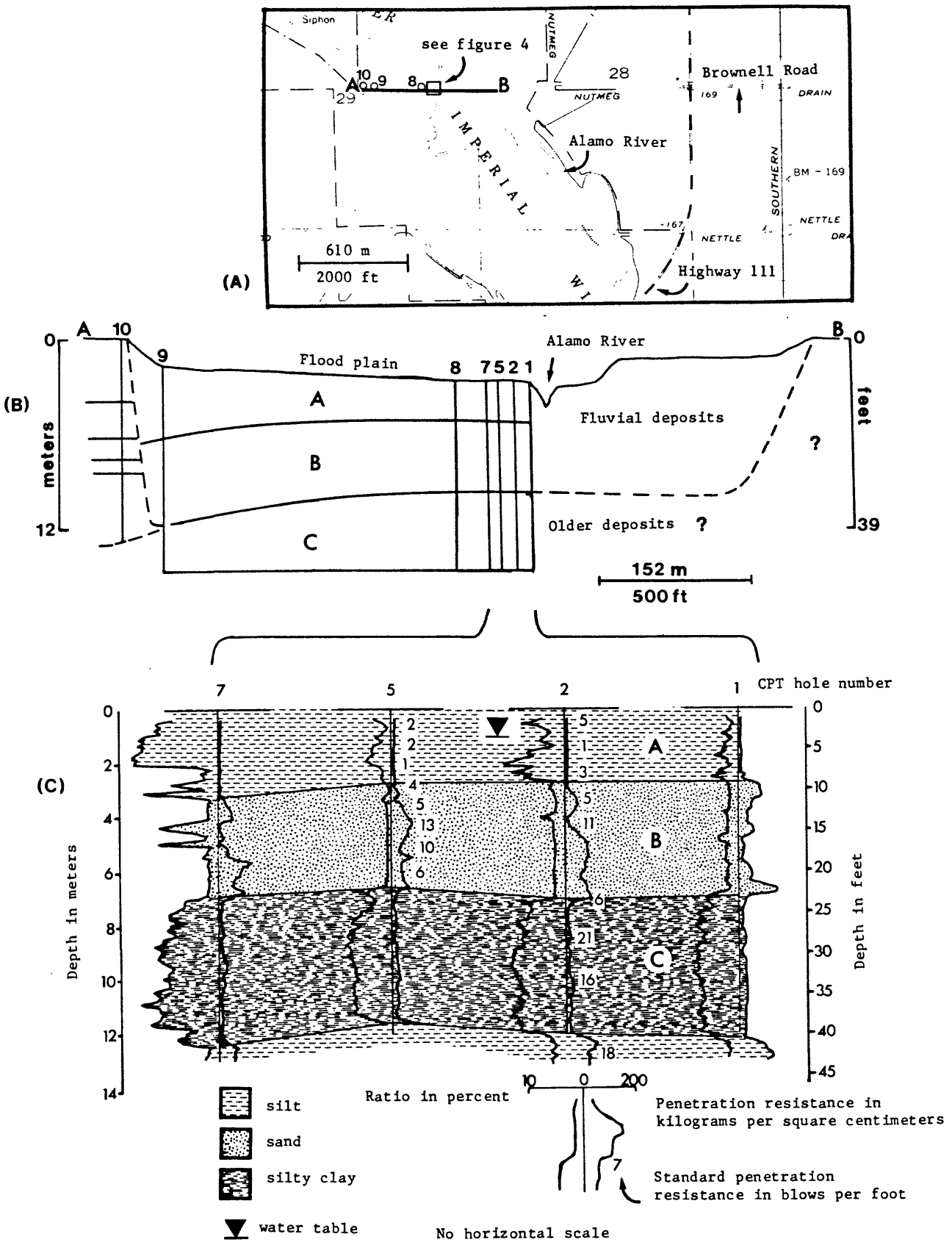


Figure 3. Location and cross section at Wildlife. (A) shows the location of the site within the flood plain of the Alamo River. Hole # 10 is outside of the flood plain. (B) shows a general cross section across the flood plain. The dashed line represents the approximate boundary between fluvial deposits and pre-channel deposits. (C) shows a detailed cross section in the area of the instrument station.

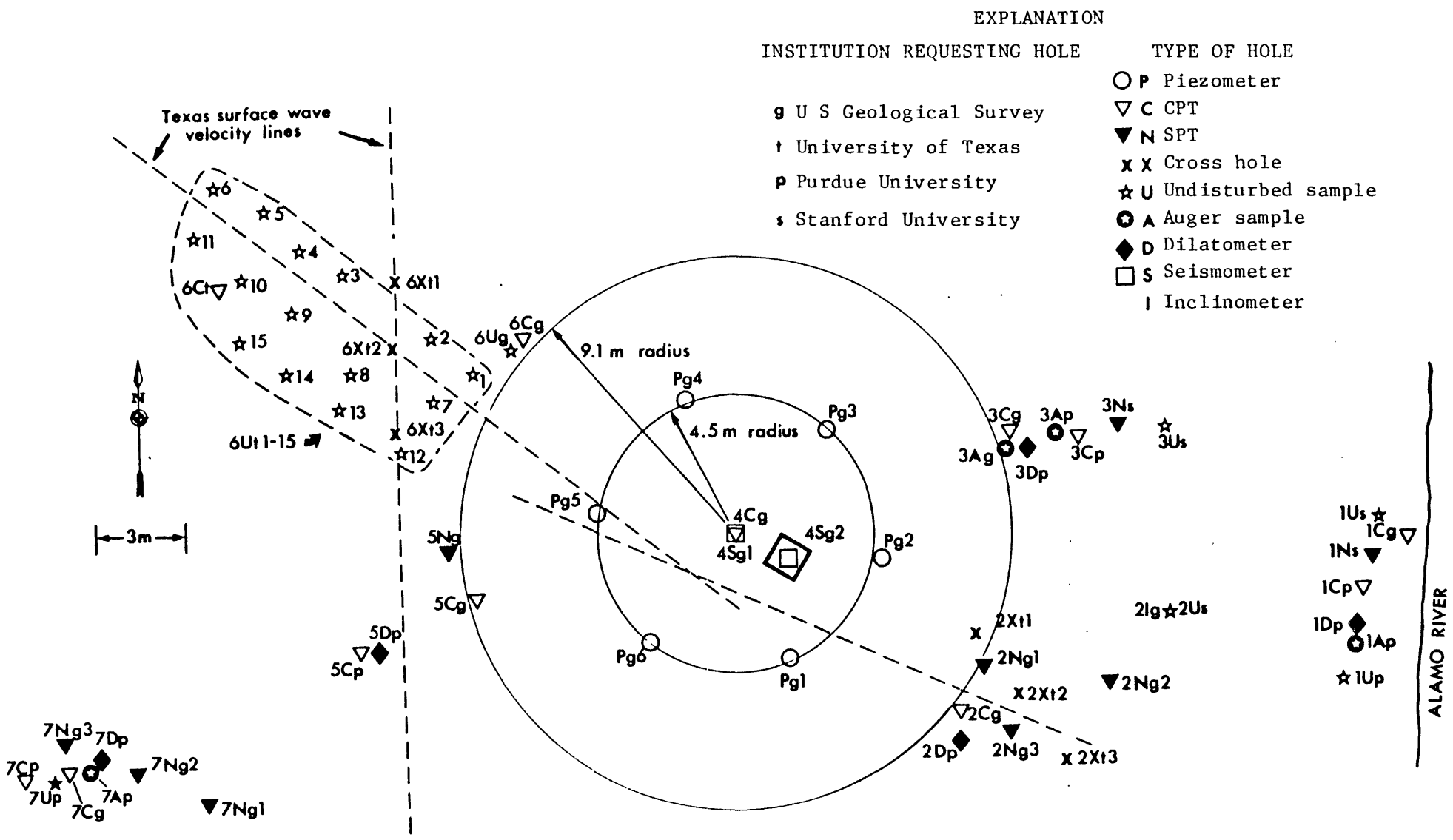
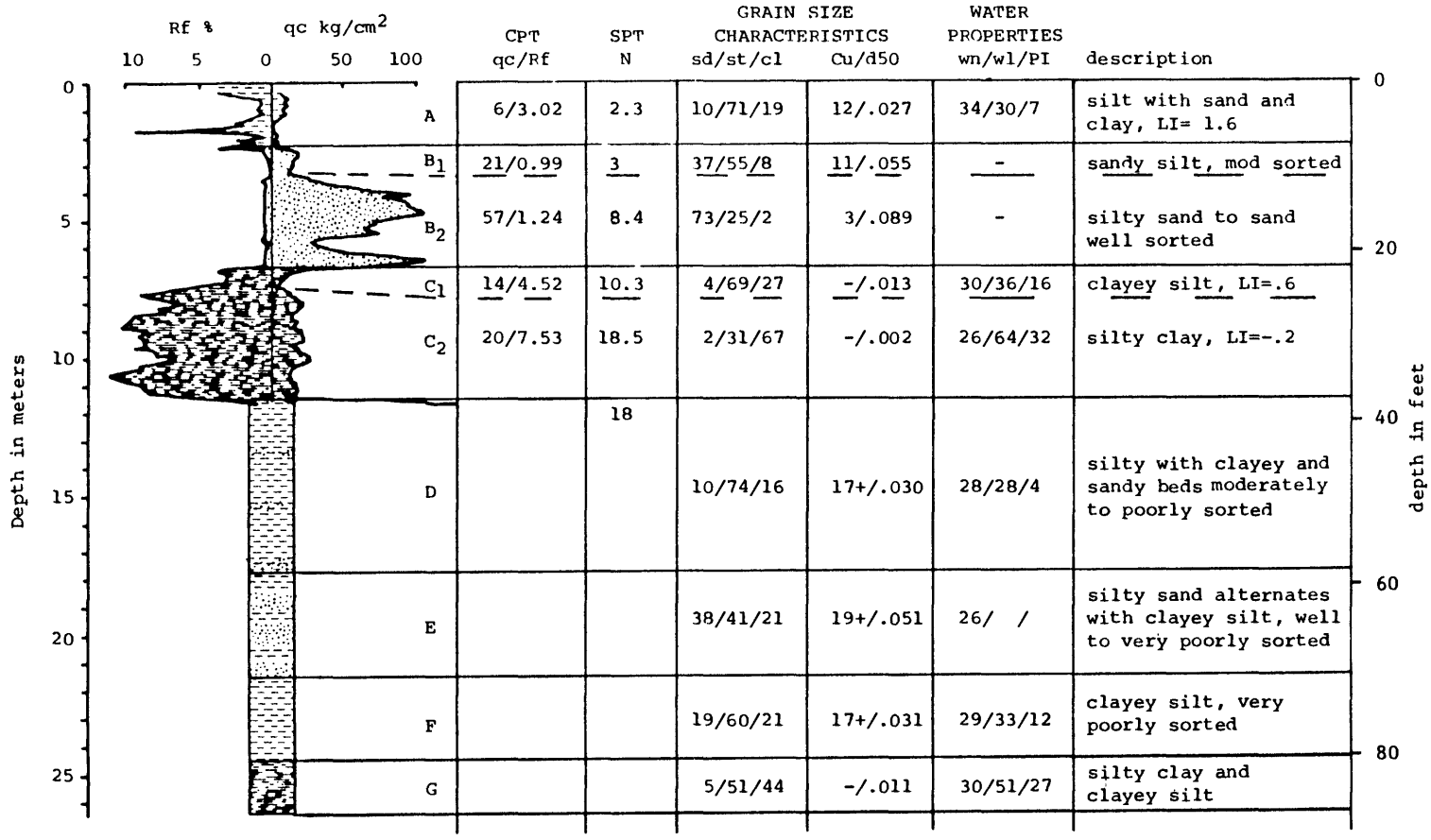


Figure 4. Arrangement of sounding and sample holes at Wildlife.



	CPT qc/Rf	SPT N	GRAIN SIZE CHARACTERISTICS sd/st/cl	Cu/d50	WATER PROPERTIES wn/wl/PI	description
A	6/3.02	2.3	10/71/19	12/.027	34/30/7	silt with sand and clay, LI= 1.6
B_1	21/0.99	3	37/55/8	11/.055	-	sandy silt, mod sorted
B_2	57/1.24	8.4	73/25/2	3/.089	-	silty sand to sand well sorted
C_1	14/4.52	10.3	4/69/27	-/.013	30/36/16	clayey silt, LI=.6
C_2	20/7.53	18.5	2/31/67	-/.002	26/64/32	silty clay, LI=-.2
D		18	10/74/16	17+/.030	28/28/4	silty with clayey and sandy beds moderately to poorly sorted
E			38/41/21	19+/.051	26/ /	silty sand alternates with clayey silt, well to very poorly sorted
F			19/60/21	17+/.031	29/33/12	clayey silt, very poorly sorted
G			5/51/44	-/.011	30/51/27	silty clay and clayey silt

Figure 5. Averaged sediment properties at Wildlife with an individual CPT. Sediment properties represent tests made on samples from 3Ag and 2Ng1. SPT values averaged from tests at 5 holes. CPT 3Cg was selected because subunits are well defined.

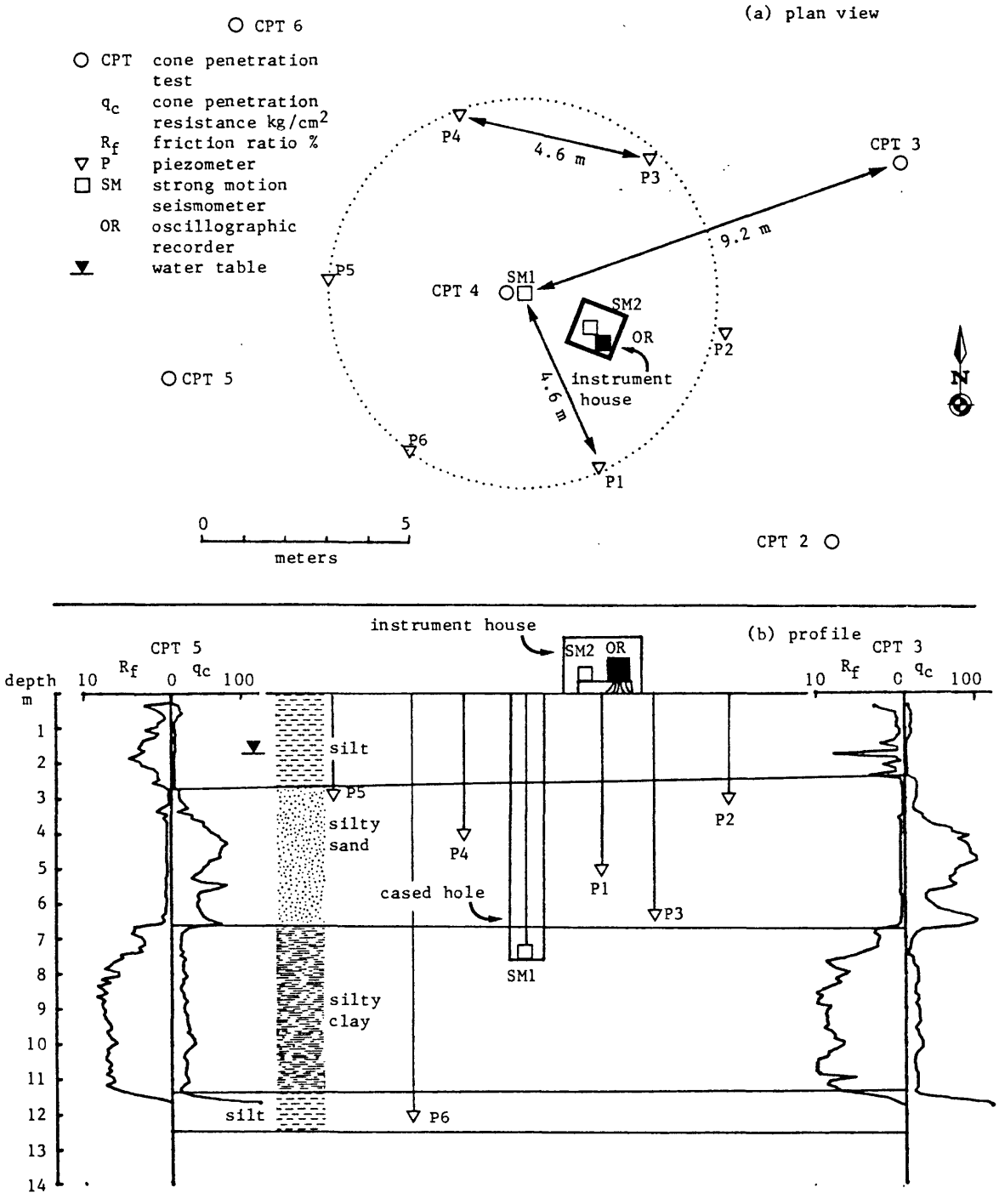


Figure 6. Cross section of Wildlife site showing location of piezometers.

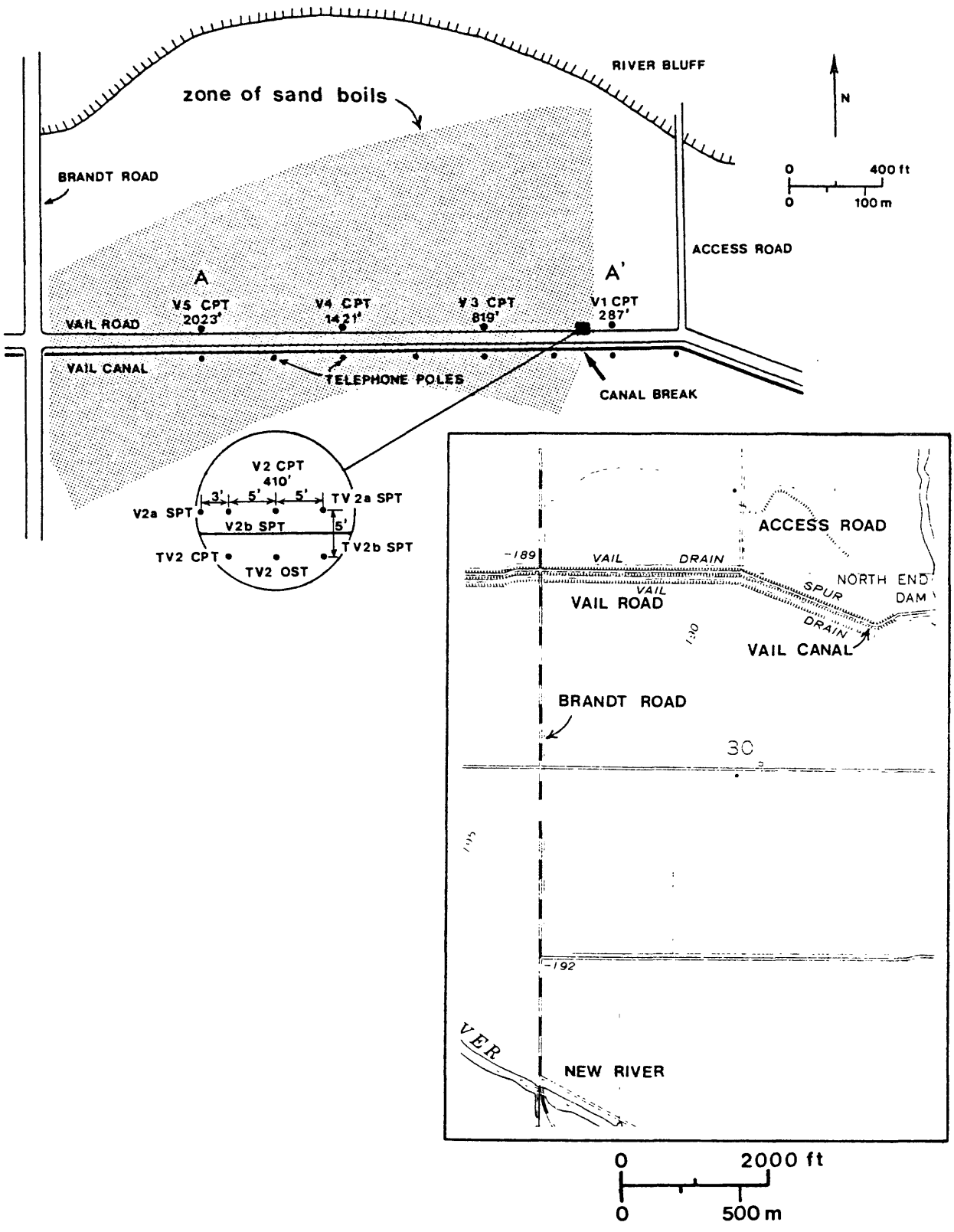


Figure 7. Vail Canal site plan; index map from Westmorland 7.5 minute quadrangle map (USGS). Stipling indicates zone of 1981 sand boil occurrence. Horizontal distances are measured from the west side of the access road. OST: Osterburg piston sampler, T: University of Texas, A-A': cross section line.

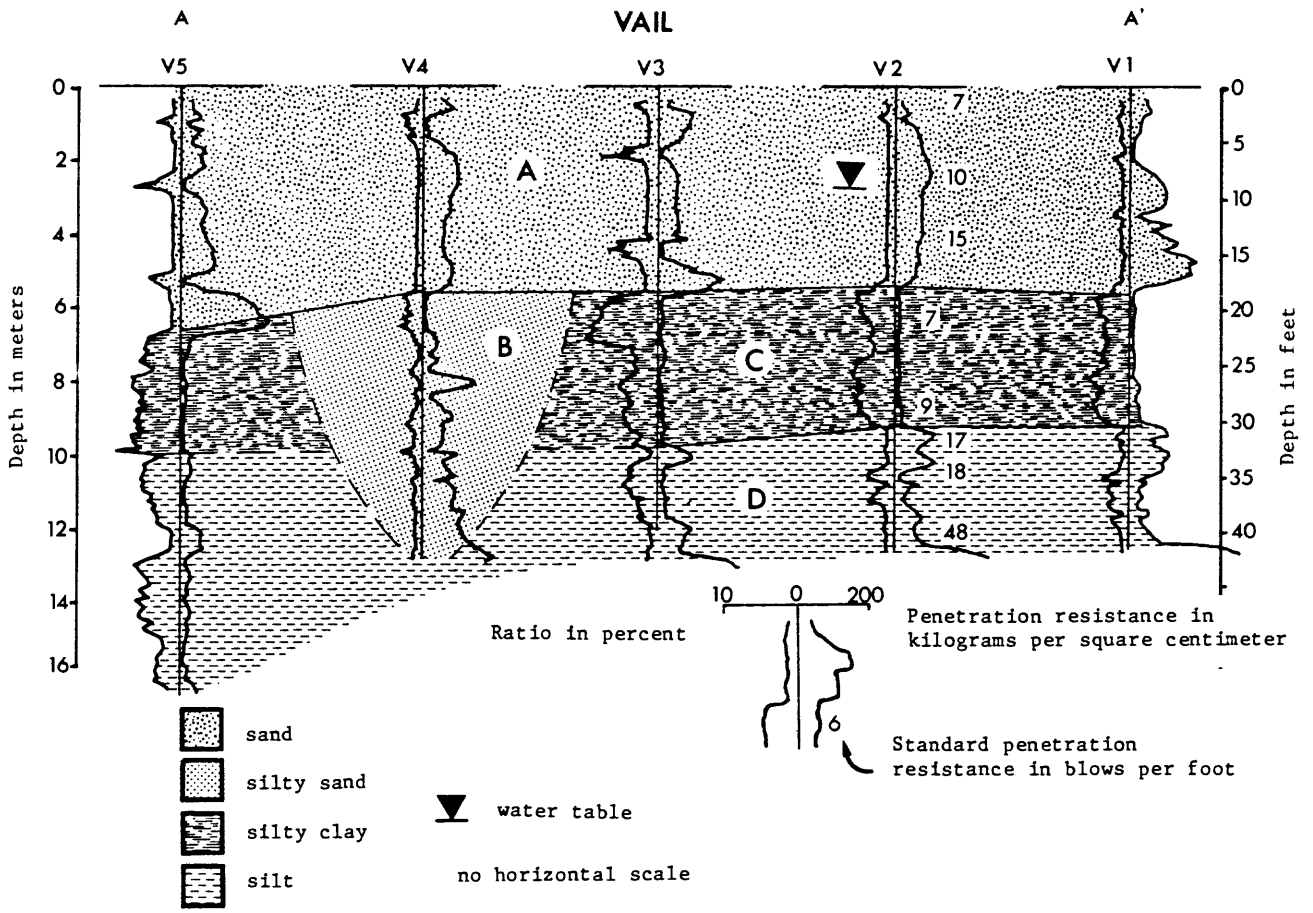


Figure 8. General cross section at Vail Canal site.

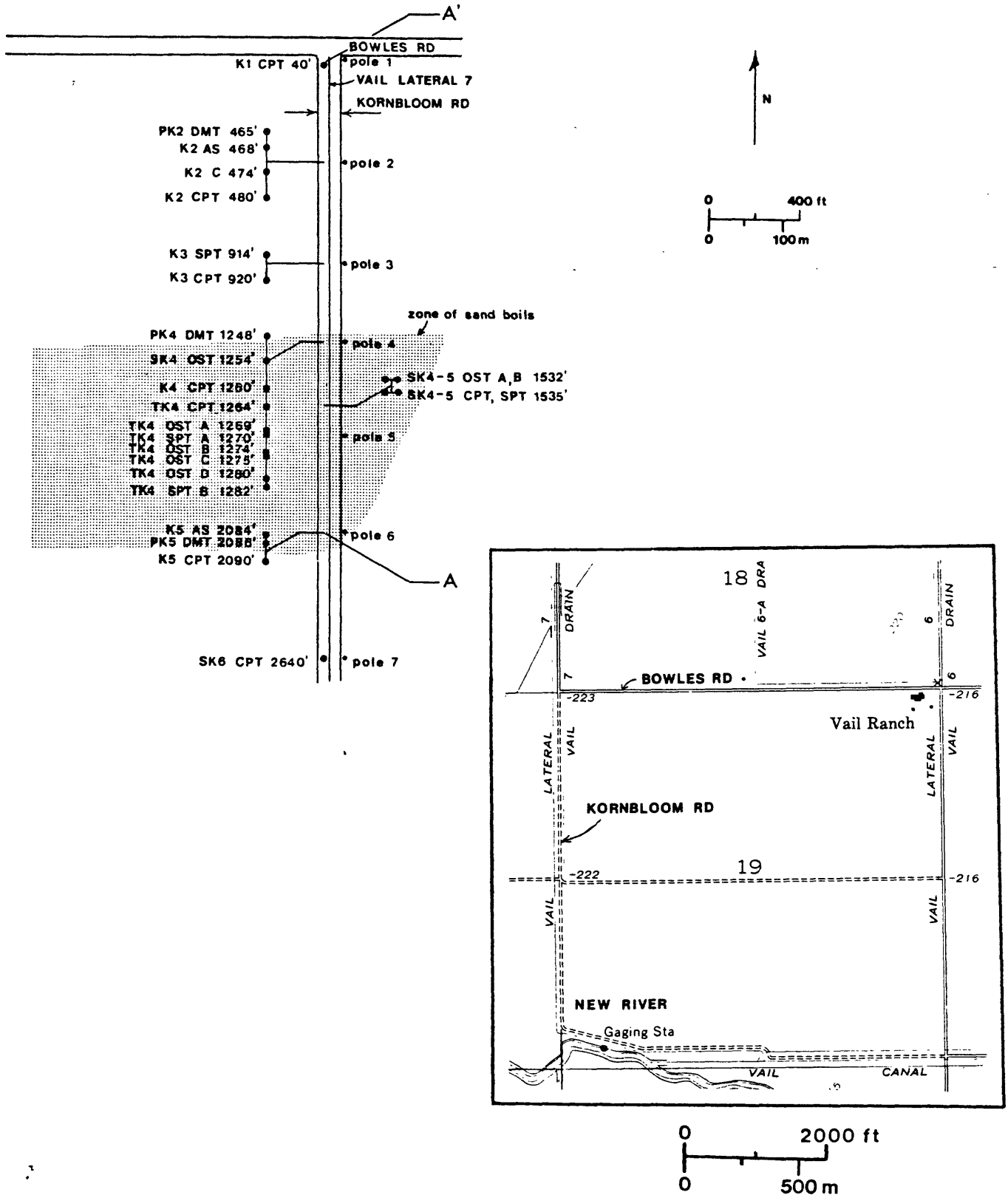


Figure 9. Kornbloom Rd site plan; index map from Calipatria SW 7.5 minute quadrangle map (USGS). Stipling indicates zone of 1981 sand boil occurrence. Horizontal distances are measured from the south side of Bowles rd. OST: Osterburg piston sampler, AS: auger sample, C: Shelby-tube sampler, DMT: dilatometer, P: Purdue Univ., S: Stanford Univ., T: Univ. of Texas, A-A': cross section line.

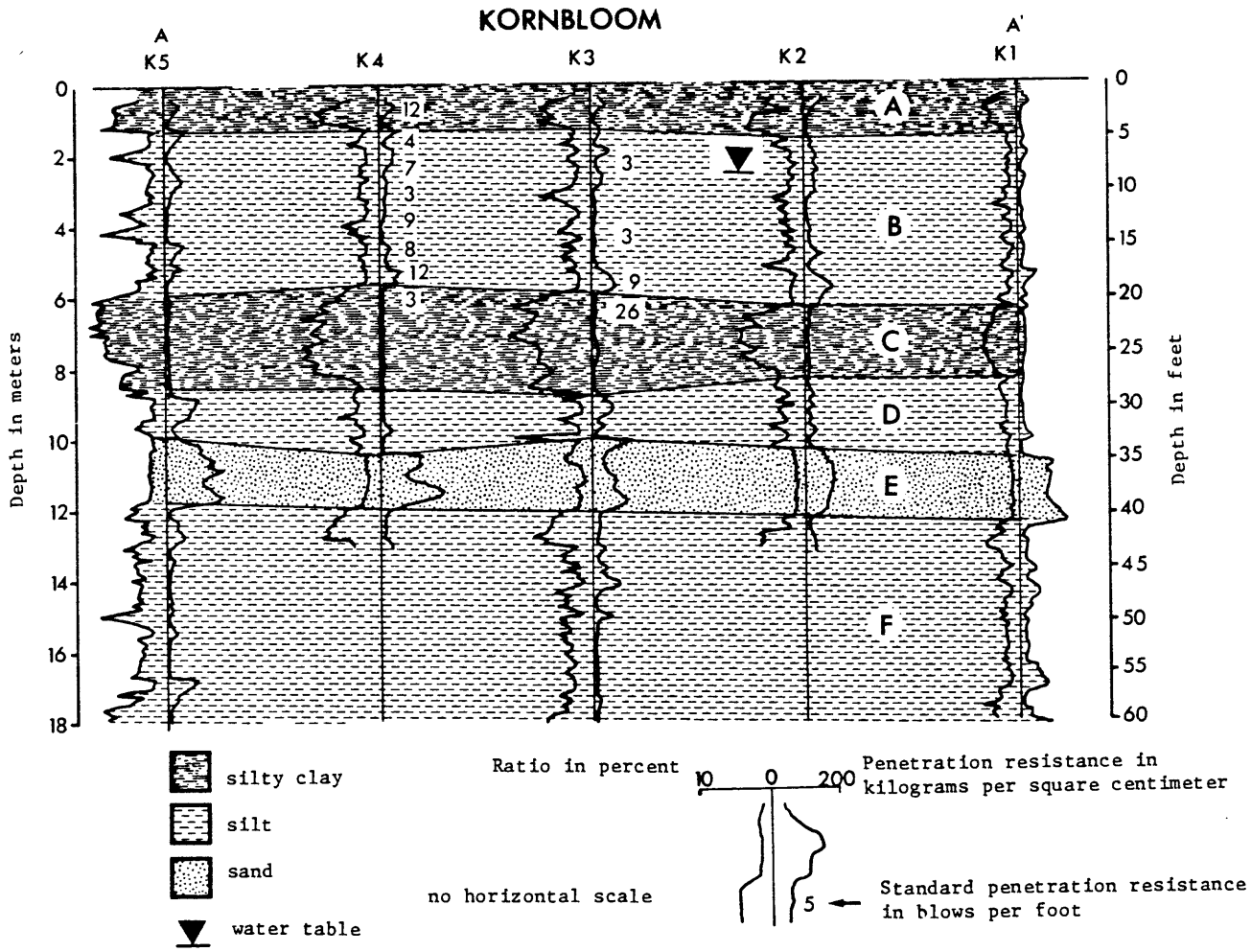


Figure 10. General cross section at Kornbloom Road site.

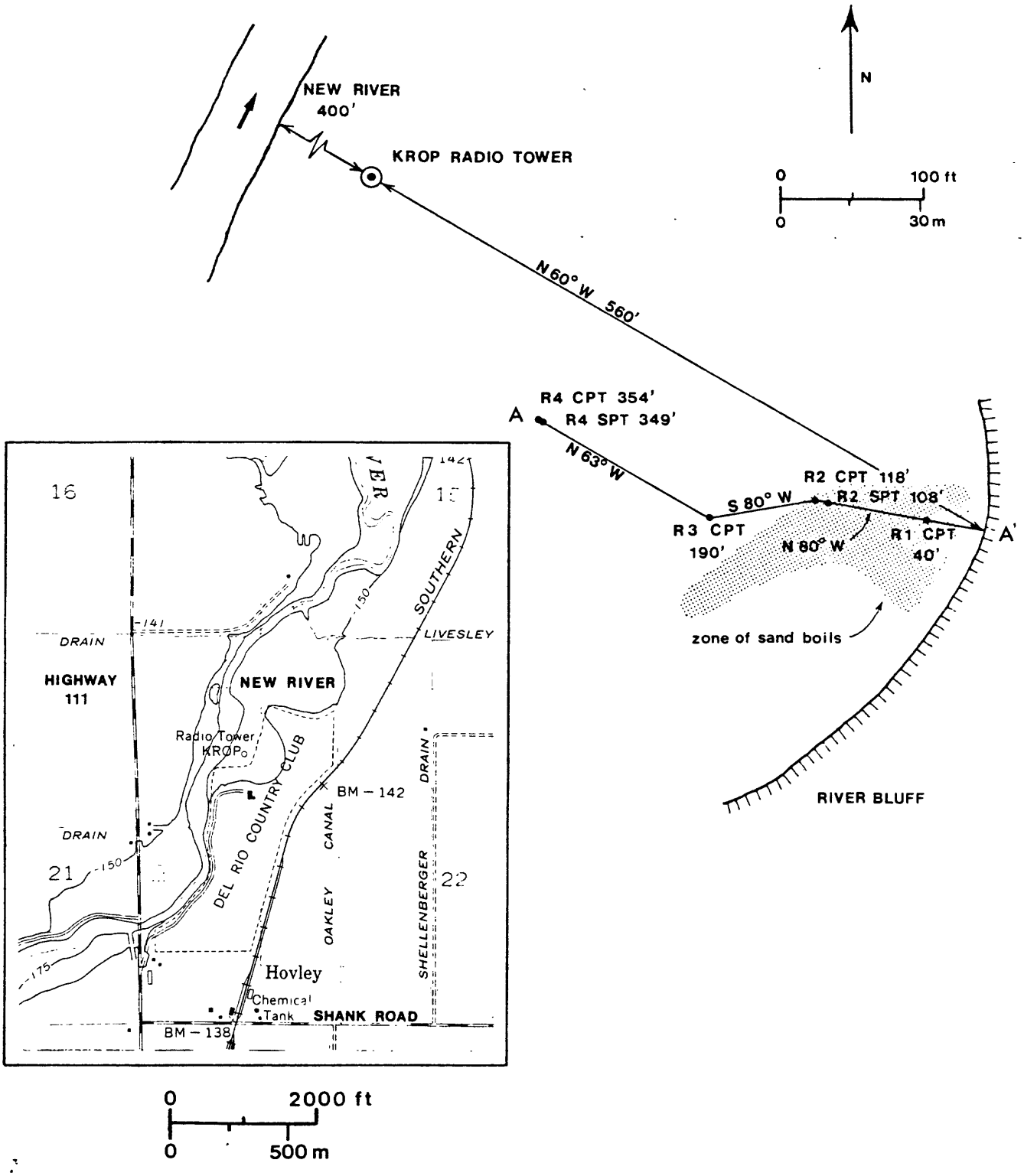


Figure 11. Radio Towers site plan; index map from Westmorland 7.5 minute quadrangle map (USGS). Stipling indicates zone of 1979 sand boil occurrence. Horizontal distances measured from base of bluff. A-A': cross section line.

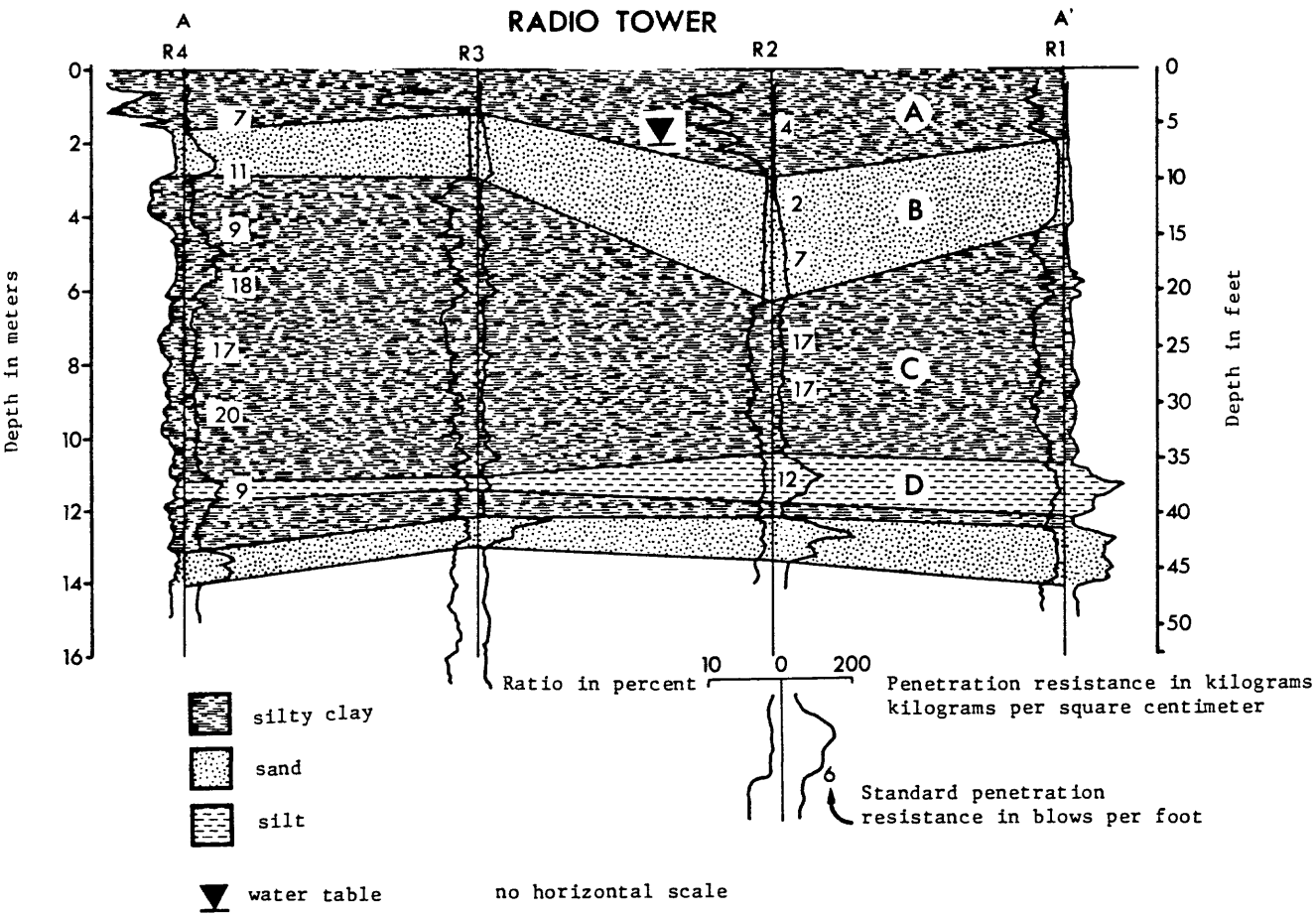


Figure 12. General cross section at Radio Tower site.

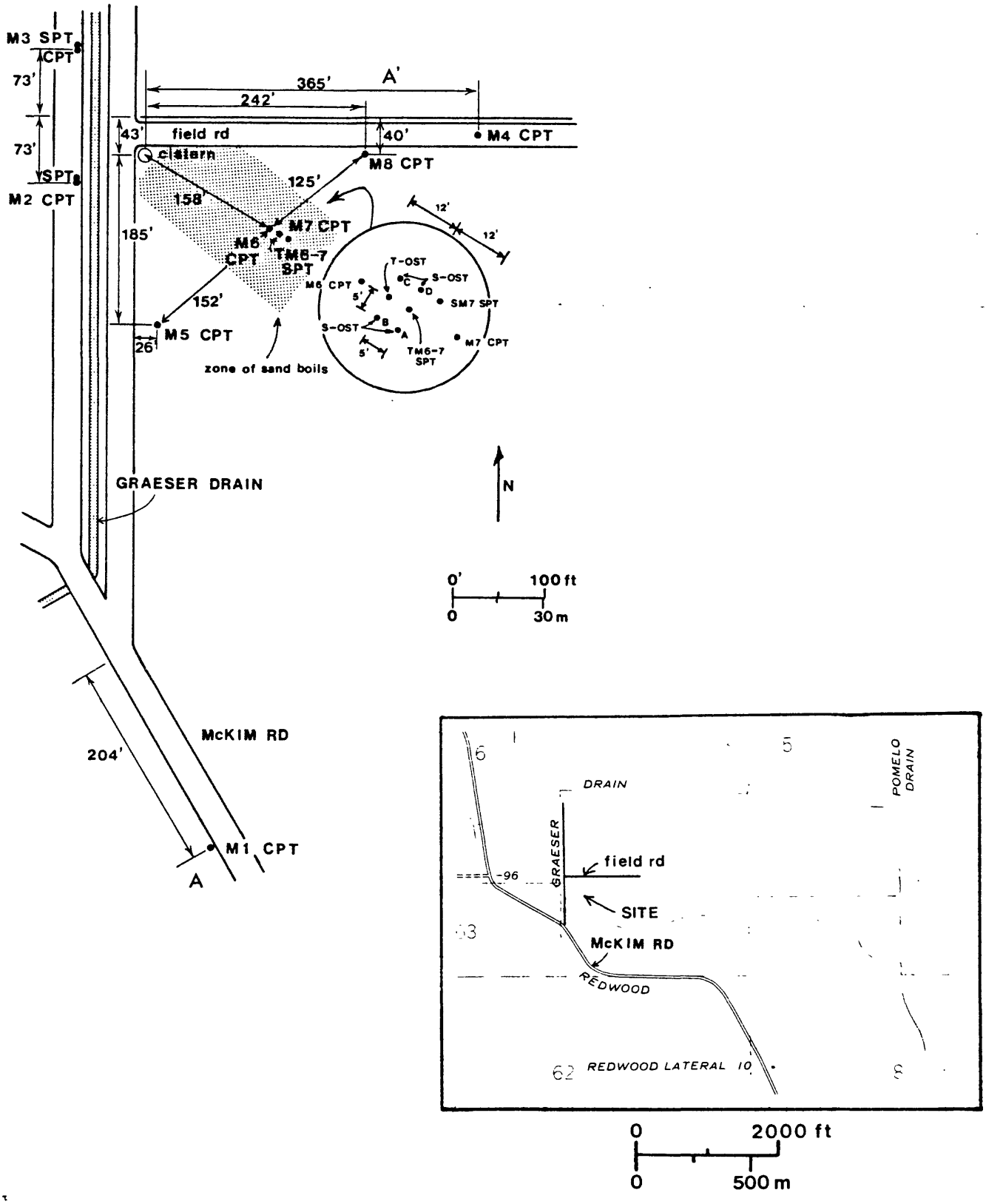


Figure 13. McKim Ranch site plan; index map from Holtville West 7.5 minute quadrangle map (USGS). Stipling indicates zone 1979 sand boil occurrence. T: Univ. of Texas, S: Stanford Univ., OST: Osterburg piston sampler, A-A': cross section line.

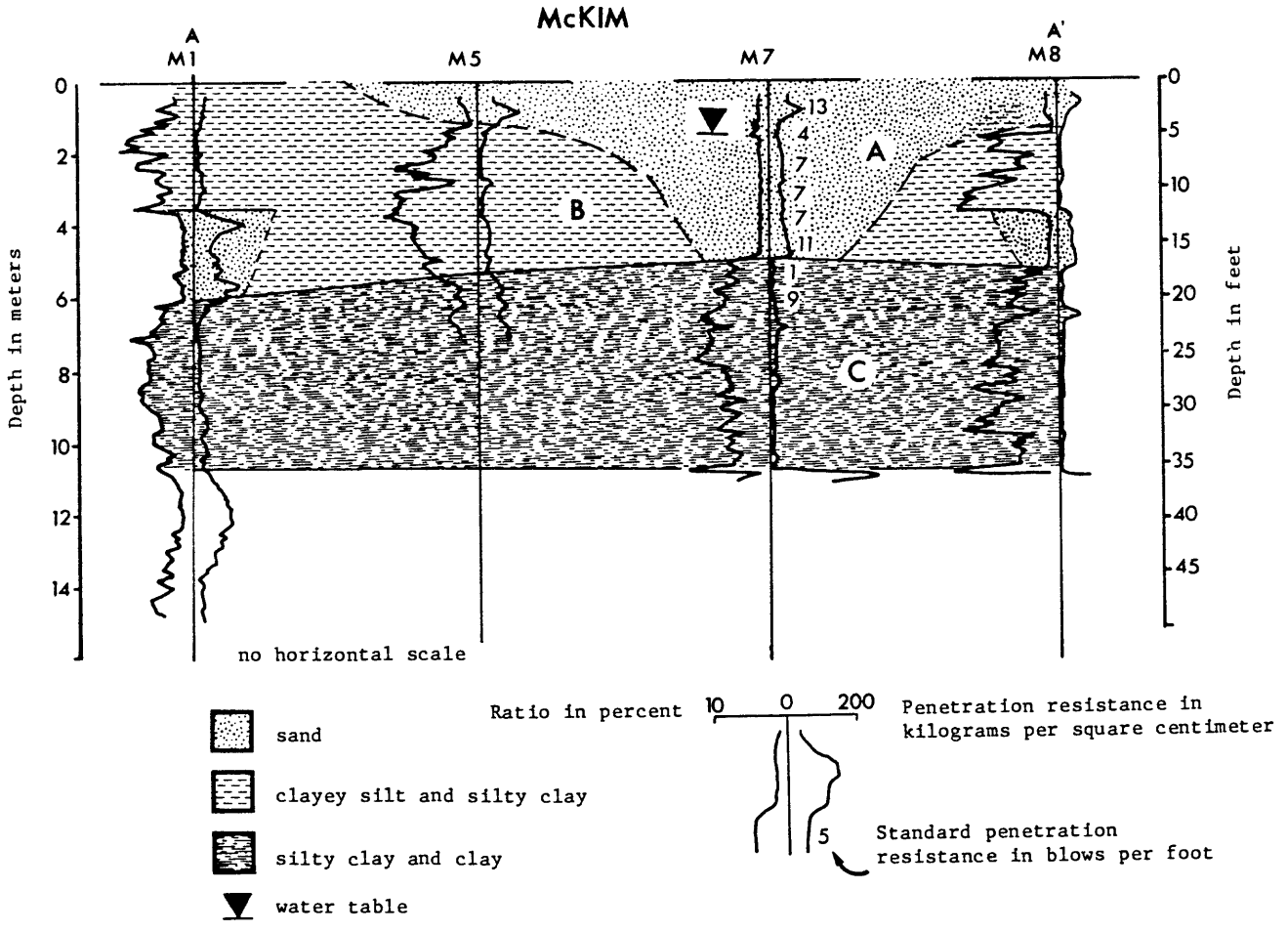


Figure 14. General cross section of McKim Ranch site. See fig. 13 for location of soundings. CPT M1 is located approximately 200 m from the central portion of the channel (CPT M7).

Table 1. Sounding and sampling sites

SITE	CPT	SPT	AUGER
Wildlife	1Cg	1Ns*	1Ap*
	1Cp	2Ng1	3Ap*
	2Cg	2Ng2*	3Ag
	3Cg	2Ng3*	7Ap*
	3Cp	3Ns*	9Ap*
	4Cg	5Ng*	
	5Cg		
	5Cp		
	6Cg		
	6Ct		
	7Cg		
	7Cp		
	8Cg		
	9Cg		
	9Cp		
	10Cg		
Vail Canal	V1	V2a	none
	V2	V2b	
	TV2	TV2a	
	V3	TV2b	
	V4		
	V5		

SITE	CPT	SPT	AUGER
Kornbloom Road	K1	K3	K2
	K2	TK4a	K5
	K3	TK4b	
	K4	SK4-5*	
	TK4		
	SK4-5		
	K5		
	SK6		
	K7		
Radio Tower	R1	R2	none
	R2	R4	
	R3		
	R4		
McKim Ranch	M1	M2*	none
	M2	M3*	
	M3	TM6-7	
	M4	SM7*	
	M5		
	M6		
	M7		
	M8		

* samples not yet tested

Table 1. Sounding and sampling sites

SITE	CPT	SPT	AUGER
Northend	N1	SN2a*	SN2c*
	N2	SN2b*	
	N3		
Bowles Road	Bw1	none	Bw1
	Bw2		Bw2
			Bw3
			Bw4
Young Road	Y1	Y5	Y1
	Y2		Y1-2
	Y3		Y2
	Y4		Y3
	Y5		Y7
	Y6		
	Y7		

SITE	CPT	SPT	AUGER
Eastern Group	By1	none	By2
	By2		Gr1*
	G1		Br1*
	G2		
	C1		
	Br1		
Walker Road	W1	none	none
	W2		
	W3		
	W4		
	W5		
	W6		
Bannister Road	Bn 1	none	none

* samples not yet tested

Table 2a. Sediment Properties at Wildlife 1Ns

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
5-6.5				1	silt
10-11.5				3	sand to silty sand
13-14.5				5	sand to silty sand
16-17.5				4	sand to silty sand
19-20.5				9	sand to silty sand

Table 2b. Sediment Properties at Wild 1Ap

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
5.5					silt, 10YR 4/3
8.0					sandy silt, 10YR 4/4
12.0					v.f. sand, 10YR 4/4
16.0					silty sand, 10YR 4/4
19.0					clayey silt, 10YR 4/4

Table 2c. Sediment Properties at Wild 2Ng1

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
0-1.1	18/72/10	0.046/12			sandy silt, 7.5YR 4/6, (ML)
1.1-1.5	1/87/12	0.015/6.7	32	5	silt, 10YR 3/4, (ML)
4-4.5	2/76/22	0.011/--	28		silt, 10YR 3/6
4.5-4.9	7/76/17	0.038/27	31/30/ 5/1.6		silt, 10YR 3/3, (ML)
4.9-5.5	1/41/58	0.003/--	33/38/11/0.4	1	silty clay, 10YR 3/6, (ML)
7-7.9	11/76/13	0.034/17			silt, 10YR 3/4, (ML)
7.9-8.5	30/66/4	0.052/3.1		3	sandy silt, 10YR 3/4, (ML)
10-10.9	66/34/0	0.076/2.1			silty sand, 10YR 3/6, (SM)
10.9-11.5	83/17/0	0.096/2.0		5	sand, 10YR 3/6, (SM)
13-13.9	73/26/1	0.090/2.2			silty sand, 10YR 3/4, (SM)
13.9-14.5	80/20/0	0.100/2.3		11	sand, 10YR 3/6, (SM)
18-18.5	67/29/4	0.082/3.1		--	silty sand, 10YR 3/3, (SM)
22-23.5	82/17/1	0.102/2.4		6	sand, 10YR 3/3, (SM)
27-28.5	0/34/66	0.002/--	26/64/26/-0.5	21	silty clay, 7.5YR 4/6, (CH)
32-33.5	0/57/43	0.005/4.0	24/57/22/-0.5	24	clayey silt, 7.5YR 3/4, (MH)
41-42.5	1/84/16	0.026/25	24/30/ 4/-0.5	18	silt, 7.5YR 4/4, (ML)

Table 2d. Sediment Properties at Wild 2Ng2

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
9-10.5				6	silty sand, 10YR 4/4
13-14.5				7	silty sand, 10YR 4/5
17-18.5				10	silty sand, 10YR 4/5
22-23.5				14	silty sand, 10YR 4/3

Table 2e. Sediment Properties at Wild 2Ng3

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
11-12.5				6	silty sand, 10YR 4/3
15-16.5				4	silty sand, 10YR 4/3
19-20.5				12	silty sand, 10YR 4/3
23-24.5				11	clayey silt, 10YR 4/4

Table 2f. Sediment Properties at Wildlife 3Ag

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
1.3	13/69/18	0.020/--	27/26/5/1.2		clayey silt, 5YR 4/2, (CL-ML)
3.0	11/ 89		31		clayey silt, 5Y 4.5/1
3.5	3/75/22	0.016/22			silt, 5Y 4.5/1
4.5	2/78/20	0.020/32	43/28/6/3.5		silt, 5Y 4.5/1, (CL-ML)
5.8	44/44/12	0.056/26	28		sandy silt, 2.5Y 3/2, (ML)
7.3	4/78/18	0.025/33	34/30/9/1.6		silt, 2.5Y 3/2, (CL)
9.0	37/53/10	0.056/15			sandy silt, 10YR 4/2, (ML)
9.5	44/46/10	0.057/15			sandy silt, 10YR 4/2, (ML)
11.4	69/26/5	0.086/4.0			silty sand, 10YR 4/2, (SM)
13.5	78/19/3	0.095/2.8			sand, 10YR 4/2, (SM)
15.0	74/23/3	0.088/2.5			silty sand, 10YR 4/2, (SM)
18.0	69/26/5	0.086/4.9			silty sand, 10YR 4/2, (SM)
19.5	51/43/6	0.063/7.3			silty sand, 10YR 3/3, (SM)
21.0	79/18/3	0.109/3.0			sand, 10YR 3/3, (SM)
22.8	4/66/30	0.012/--	30/36/16/0.6		clayey silt, 10YR 4/2, (CL)
24.5	3/71/26	0.013/--	30		clayey silt, 10YR 4/2
25.5	3/41/56	0.003/--	28		silty clay, 5YR 4/2
27.5	1/28/71	0.001/--	29		silty clay, 5YR 4/2
30.0	2/23/75	0.001/--	27/68/41/0.0		clay, 5YR 4/2, (CH)
33.0	2/29/69	0.002/--	28		silty clay, 5YR 4/2
36.0	1/11/88	0.001/--	26/68/39/-0.1		clay, 5YR 4/2, (CH)
37.0	8/26/66	0.002/--	31		silty clay, 5YR 4/2
40.0	12/75/13	0.046/24	26		silt, (ML)
41.0	2/56/42	0.007/--	25		clayey silt
44.0	3/79/18	0.023/--	27/28/4/1.0		silt, 5Y 4/2, (ML)
46.5	4/86/10	0.030/8.8	28		silt, 5Y 4/2, (ML)
49.0	12/74/14	0.028/20	30		clayey silt, 10YR 3.5/2
51.5	4/84/12	0.022/13	31		silt, 10YR 3.5/2, (ML)
53.3	5/82/13	0.028/17	29		silt, 10YR 3.5/2, (ML)
56.0	15/71/14	0.034/20			sandy silt, 10YR 3.5/2, (ML)
58.0	34/56/10	0.050/16			sandy silt, 10YR 3.5/2, (ML)
58.8	5/31/64	0.002/--			silty clay, 5YR 4/2
59.5	51/39/10	0.063/25			silty sand, 5YR 4/3, (SM)
61.0	6/66/28	0.015/--	24		clayey silt, 5YR 4/2.5
62.5	3/73/24	0.018/--	28		clayey silt, 5YR 4/2.5
66.0	86/ 14	0.114/3			sand, (SM)
68.0	66/28/6	0.088/6			silty sand, 7.5YR 4/2, (SM)
70.0	47/41/12	0.056/40			silty sand, 7.5YR 4/2, (SM)
72.0	4/82/14	0.023/14	31		silt, 7.5YR 4/2, (ML)
73.0	4/69/27	0.013/--	31		clayey silt, 7.5YR 4/2
74.5	5/61/34	0.009/--	31/33/12/0.8		clayey silt, 5YR 4/2.5, (CL)
76.5	10/61/29	0.013/--			clayey silt, 5YR 4/2.5
78.0	20/66/14	0.041/32	24		sandy silt, (ML)
80.0	71/23/6	0.088/5			silty sand, (SM)
82.0	15/65/20	0.036/--	25		clayey silt
83.0	4/42/54	0.003/--	33		silty clay, 7.5YR 4/2
84.0	1/59/40	0.010/--	27		clayey silt, 7.5YR 4/2
85.0	1/39/60	0.002/--	32/51/27/0.3		silty clay, 7.5YR 4/2, (CH)
86.5	2/48/50	0.004/--	35		silty clay, 7.5YR 4/2

Table 2g. Sediment Properties at Wild 3Ns

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
5-6.5				1	silt
10-11.5				10	sand to silty sand
13-14.5				9	sand to silty sand
16-17.5				17	sand to silty sand
19-20.5				12	sand to silty sand

Table 2h. Sediment Properties at Wild 3Ap

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
10.0					sandy silt, 10YR 4/3
12.0					v.f. sand, 10YR 4/4
14.0					silty sand, 10YR 4/3

Table 2i. Sediment Properties at Wild 5Ng

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
1.5-3				2	silt to silty sand, 7.5YR 4/4
4-5.5				2	clayey silt, 10YR 3/2
6.5-8				1	silt, 10YR 3/2
9-10.5				4	sandy silt, 7.5YR 3.5/2
11.5-13				5	v.f. sand, 7.5YR 3/2
14-15.5				13	v.f. sand,7.5YR 3/2
16.5-18				10	v.f. sand, 7.5YR 3/2
19-20.5				6	silty sand, 7.5YR 3.5/2

Table 2j. Sediment Properties at Wild 7Ap

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
7.5					clayey silt, 10YR 4/2

Table 2k. Sediment Properties at Wild 9Ap

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
7.0					clayey silt, 10YR 4/2

Table 3a. Sediment Properties at Vail 2, V2a* and V2b

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
0-1.5*	62/30/8	0.082/17		10	silty sand, 10YR 4/6, (SM)
7-8.5	72/28/0	0.094/4.0		10	silty sand, 7.5YR 4/4, (SM)
8.5-10*	85/15/0	0.105/2.2		--	sand, 10YR 4/6, (SM)
12-13.5	87/12/1	0.110/2.2		15	sand, 10YR 4/3, (SM)
19-20.5	1/39/60	0.003/--	34/71/42/0.1	7	silty clay, 10YR 3/4, (CH)
26-27.5	1/32/67	0.002/--	28/51/16/-0.4	9	silty clay, 10YR 3/4, (MH)
30-31.5	16/79/5	0.046/4.2		17	silt, 10YR 3/4, (ML)
33-34.5	2/84/14	0.020/10			silt, 10YR 3/4, (ML)
38-39.5	50/49/1	0.064/2.2		48	silty sand, 7.5 4/4, (SM)

Table 3b. Sediment Properties at TVail 2, TV2a and TV2b*

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
1.5-3	67/25/8	0.082/15		7	silty sand, 7.5YR 4/4, (SM)
4-5.5	89/ 11	0.120/2.2		15	sand, 5YR 4/3, (SP-SM)
6.5-7.3	91/ 9	0.118/1.9			sand, 7.5YR 4/4, (SP-SM)
7.3-8	88/ 12	0.106/1.9		17	sand, 7.5YR 4/4, (SP-SM)
9-10.5	86/ 14	0.109/2.0		18	sand, 7.5YR 4/4, (SM)
11.5-13	94/ 6	0.120/1.8		--	sand, 7.5YR 4/4, (SP-SM)
12-13.5*	88/ 12	0.113/2.0		13	sand, 7.5YR 4/4, (SP-SM)
14-15.5	92/ 8	0.110/1.8		--	sand, 7.5YR 4/4, (SP-SM)
15-16.5*	87/ 13	0.112/2.2		5	sand, 7.5YR 4/4, (SM)

Table 4a. Sediment Properties at Korn 2, K2

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
2-4	1/48/51	0.004/--	30		silty clay, 7.5YR 4/3
5.5	5/50/45	0.005/--	27		clayey silt, 10YR 4/3
7.5	24/64/12	0.045/21			sandy silt, 10YR 4/4, (ML)
13.5	7/78/15	0.035/21			silt, 10YR 4/3, (ML)
14.5	20/64/16	0.037/24			sandy silt, 10YR 4/3, (ML)
15.5	2/78/20	0.019/26			silt, 10YR 4/3
17.5	62/32/6	0.078/7.2			silty sand, 10YR 4/4, (SM)
22.0	0/22/78	0.001/--	40/69/44/0.3		clay, 7.5YR 4/3, (CH)
22.5	3/57/40	0.005/--			clayey silt, 10YR 4/3
23.0	0/26/74	0.001/--	37		silty clay

Table 4b. Sediment Properties at Korn 3, K3

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
6.5-8	21/73/7	0.044/5.6		3	sandy silt, 10YR 4/3, (ML)
13-14.5	9/79/12	0.039/15		3	silt, 10YR 3/3, (ML)
17.5-19	70/29/1	0.082/2.2		9	silty sand, 10YR 4/4, (SM)
21-22.5	0/23/77	0.001/--	31/71/48/0.2	26	clay, 7.5YR 4/3, (CH)

Table 4c. Sediment Properties at TKorn 4a, TK4a

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
1.5-3	24/58/18	0.037/43	24/23/ 7/1.0	12	sandy silt, 7.5YR 3/4, (ML)
4-5	18/65/17	0.040/--			sandy silt, 7.5YR 4/4
5-5.5	12/65/23	0.019/--	26/29/11/0.7	4	clayey silt, 2.5Y 3/2, (CL)
6.5-8	26/68/6	0.052/3.3		7	sandy silt, 7.5YR 4/4, (ML)
9-10.5	38/53/9	0.056/9.0	28	3	sandy silt, 7.5YR 3/4, (ML)
11.5-13	4/83/13	0.028/11	30	9	silt, 7.5YR 3/4, (ML)
14-15.5	17/74/9	0.047/8.7	29	8	sandy silt, 10YR 4/4, (ML)
16.5-18	11/83/6	0.048/2.6		12	silt, 10YR 4/4, (ML)
19-20	10/60/30	0.028/--	33/22/ 3/4.3		clayey silt, 10YR 4/4, (ML)
20-20.5	5/28/67	0.002/--	36/51/30/0.5	3	silty clay, 7.5YR 4/3, (CH)

Table 4d. Sediment Propoerties at TKorn 4b, TK4b

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
5-6.5	16/74/10	0.038/11		5	sandy silt, 10YR 4/3, (ML)
8-9.5	14/83/3	0.049/1.9		7	silt, 10YR 4/3, (ML)
11-12.5	12/79/9	0.042/10		7	silt, 10YR 4/2.5, (ML)
14-15.5	19/71/10	0.042/11		5	sandy silt, 10YR 4/3, (ML)
17-18.5	56/40/4	0.070/2.8		12	silty sand, 10YR 4/3, (SM)

Table 4e. Sediment Properties at SKorn 4-5, SK4-5

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
4.5-6				2	silt and silty clay
8.5-10				1	sand to silty sand
12-13.5				2	sand to silty sand
15.5-17				5	sand to silty sand

Table 4f. Sediment Properties at Korn 5, K5

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
5.0	43/49/8	0.060/9.7			sandy silt, 10YR 4/4, (ML)
7.0	3/82/15	0.027/18			silt, 10YR 4/3, (ML)
9.0	43/47/10	0.058/16			sandy silt, 10YR 4/4, (ML)
13.8	7/70/23	0.022/34			clayey silt, 10YR 4/2.5
14.3	6/94/0	0.047/3.1			silt, 10YR 4/2.5, (ML)
15.5	55/36/9	0.068/14			silty sand, 10YR 4/3, (SM)

Table 5a. Sediment Properties at Radio 2, R2

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
3.5-3.7	0/24/76	0.001/--	47		clay, 10YR 4/3
3.7-5	1/33/66	0.002/--	54	4	silty clay, 5Y 4/2
10-10.2	1/86/13	0.036/12			silt, 10YR 4/3, (ML)
10.2-11.5	36/59/5	0.047/4.0		2	sandy silt, 10YR 4/3, (ML)
16-17.5	77/22/1	0.100/2.6		7	sand, 10YR 3/3, (SM)
23-23.3	82/13/5	0.125/12			sand, 10YR 4/3, (SM)
23.3-24.5	0/21/79	0.001/--	27	17	clay, 7.5YR 4/4
28-29.5	1/51/48	0.004/--	30	17	clayey silt, 5YR 3/3
36-36.4	3/84/13	0.034/14			silt, 10YR 4/3, (ML)
36.4-37.5	0/72/28	0.014/17		12	clayey silt, 10YR 4/3

Table 5b. Sediment Properties at Radio 4, R4

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
3.5-4.2	2/84/14	0.027/18			silt, 10YR 3/3, (ML)
4.2-5	6/86/8	0.040/6.3		7	silt, 10YR 3/3, (ML)
6.5-8	82/17/1	0.100/2.6		11	sand, 10YR 4/3, (SM)
11-12.5	1/33/67	0.002/--	32	9	silty clay, 10YR 3/6
17.5-19	19/72/9	0.046/10		18	sandy silt, 7.5YR 4/4 (ML)
23.5-25	0/21/79	0.001/--	28	17	clay, 7.5YR 3/4
29.5-30.2	0/19/81	0.001/--			clay, 7.5YR 4/3
30.2-31	0/53/47	0.005/--	31	20	clayey silt, 7.5YR 4/3
36.5-38	1/80/19	0.021/--		9	silt, 7.5YR 4/3

Table 6a. Sediment Properties at McKim 2, M2

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
6.5-8				9	v.f. sand, 7.5YR 4/4
11-12.5				6	silt, 10YR 3/3
16.5-18				11	clayey silt, 7.5YR 5/4
26.5-28				17	v.f. sand,7.5YR 4/4

Table 6b. Sediment Properties at McKim 3, M3

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
8.5-10				1	v.f. sand, 7.5YR 4/4
11.5-13				4	silty sand, 10YR 3/4
14.5-15.6					silty clay, 10YR 3/6
15.6-16				12	v.f. sand, 10YR 4/4
19.5-21				10	v.f. sand, 10YR 4/4
24.5-25.1					silty clay, 10YR 3/2
25.1-26				11	clayey silt, 10YR 4/4

Table 6c. Sediment Properties at TMckim 6-7, TM6-7

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
1.5-3	69/18/13	0.085/48		13	silty sand, 5YR 4/3, (SM)
4-5.5	lost			4	
6.5-8	76/14/10	0.100/26		7	sand, 5YR 4/3, (SM)
9-9.8	79/11/10	0.105/29			sand, 5YR 4/3, (SM)
9.8-10.5	84/9/7	0.110/3.0		7	sand, 5YR 4/3, (SM)
11.5-13	82/11/7	0.110/4.8		7	sand, 5YR 4/3, (SM)
14-15.5	78/15/7	0.093/2.9		11	sand, 5YR 4/3, (SM)
16.5-17.8	26/54/20	0.027/40	29		sandy silt, 5YR 4/2.5 (ML)
17.8-18	4/51/45	0.005/--	28	1	clayey silt, 5YR 4/2.5
19-20.5	6/36/58	0.003/--	27/55/32/0.1	9	silty clay, 5YR 4/2.5, (CH)

Table 6d. Sediment Properties at SMcKim 7, SM7

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
1.5-3				5	sand to silty sand
4-5.5				2	sand
6.5-8				3	sand
9-10.5				7	sand
11-12.5				8	sand
14-15.5				14	sand

Table 7a. Sediment Properties at SNorthend 2a, SN2a

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
6-7.5				1	sand to silty sand
9.5-11				5	sand to silty sand
15.5-17				15	sand
19.5-21				24	sand

Table 7b. Sediment Properties at SNorthend 2b, SN2b

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
1.5					silt to silty sand
8.0					sand
9.5					silty clay
11.5					sand
13.0					sand
14.0					sand
17.0					silty sand
19.0					silty sand
21.0					silty clay

Table 7c. Sediment Properties at SNorthend 2c, SN2c

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
6-7.5				5	sand to silty sand
9.5-11				11	sand to silty sand
14-15.5				16	sand to silty sand
17.5-19				11	silty clay and silty sand

Table 8a. Sediment Properties at Bowles 1, Bw1

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
6.5	1/70/29	0.014/--			clayey silt, 7.5YR 4/4
11.8	42/50/8	0.054/9.7			sandy silt, 10YR 4/3, (ML)
16.8	31/61/8	0.048/8.7			sandy silt, 10YR 4/3, (ML)
20.0	35/56/9	0.050/11			sandy silt, 10YR 4/2 & 10YR 4/3, (ML)

Table 8b. Sediment Properties at Bowles 2, Bw2

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
2.8	1/26/73	0.001/--	32		silty clay, 7.5YR 4/4
4.8	0/70/30	0.014/--	25		clayey silt, 7.5YR 4/4
6.0	2/74/24	0.021/--	28		clayey silt, 7.5YR 4/4
8.0	14/81/5	0.044/3.2	23		silt, 7.5YR 4/4, (ML)
11.0	42/50/8	0.058/6.6			sandy silt, 7.5YR 4/4, (ML)
14.5	67/31/2	0.081/3.1			silty sand, 7.5YR 4/4, (SM)
16.0	66/29/5	0.078/3.6			silty sand, 7.5YR 4/4, (SM)
18.3	4/72/24	0.018/15	30		clayey silt, 10YR 4/3
21.0	68/26/6	0.088/6.7			silty sand, 10YR 4/3, (SM)
22.5	1/40/59	0.003/--	29		silty clay, 7.5YR 4/4
27.3	0/21/79	0.001/--	35		clay, 7.5YR 4/4

Table 8c. Sediment Properties at Bowles 3, Bw3

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
8.0	75/23/2	0.078/2.0			sand, 7.5YR 4/4, (SM)
11.8	60/35/5	0.074/5.3			silty sand, 7.5YR 4/4 & 10YR 4/2, (ML)
12.3	34/56/10	0.052/13			sandy silt, 7.5YR 4/4 & 10YR 4/2, (ML)
14.0	51/45/4	0.064/3.4			silty sand, 10YR 4/3, (SM)
15.3	49/44/7	0.062/2.7			silty sand, 10YR 4/3, (SM)
17.0	61/35/4	0.072/2.3			silty sand, 10YR 4/3, (SM)
19.5	65/31/4	0.076/2.9			silty sand, 10YR 4/3, (SM)
21.0	78/20/2	0.090/2.3			sand, 10YR 4/3, (SM)

Table 8d. Sediment Properties at Bowles 4, Bw4

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
16.0	45/47/8	0.060/8.4			sandy silt, 10YR 4/2, (ML)
21.0	85/12/3	0.113/3.0			sand, 10YR 4/3, (SM)

Table 9a. Sediment Properties at Young 1, Y1

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
14.8	26/65/9	0.047/12			sandy silt, 10YR 4/2 & 10YR 4/3, (ML)
17.3	2/65/33	0.009/--			clayey silt, 10YR 4/2
18.5	12/75/13	0.033/20			silt, 10YR 4/2
20.5	18/70/12	0.042/18			sandy silt, 10YR 4/3, (ML)

Table 9b. Sediment Properties at Young 1-2, Y1-2

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
8.5	46/51/3	0.058/3.7			sandy silt, 7.5YR 4/4, (ML)
16.3	31/58/11	0.046/14			sandy silt, 10YR 4/2 & 10YR 4/3, (ML)
17.0	51/43/6	0.066/6.0			silty sand, 10YR 4/2 & 10YR 4/3, (SM)
17.8	24/62/14	0.046/24			sandy silt, 10YR 4/2 & 10YR 4/3, (ML)
20.8	10/83/7	0.023/31			silt, 10YR 4/3, (ML)

Table 9c. Sediment Properties at Young 2, Y2

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
7.0	54/46/0	0.066/1.8			silty sand, 10YR 4/3, (SM)
16.5	84/14/2	0.115/2.7			sand, 10YR 4/2 & 10YR 4/3, (SM)
19.8	2/45/53	0.004/--			silty clay, 10YR 4/3, 10YR 4/2

Table 9d. Sediment Properties at Young 3, Y3

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
3.0	30/61/9	0.045/10	24		sandy silt, 7.5YR 4/4, (ML)
7.0	30/64/6	0.052/6.3	29		sandy silt, 7.5YR 4/4, (ML)
8.5	34/62/4	0.054/4.5	24		sandy silt, 7.5YR 4/4, (ML)
12.5	65/30/5	0.078/4.3			silty sand, 10YR 5/3, (SM)
15.0	67/31/2	0.082/2.9			silty sand, 10YR 5/3, (SM)
16.3	54/41/5	0.066/3.7			silty sand, 10YR 5/3, (SM)
17.0	80/15/5	0.103/4.4			sand, 10YR 4/3, (SM)
18.8	69/26/5	0.083/4.0			silty sand, 10YR 4/3, (SM)
20.8	31/57/12	0.045/21			sandy silt, 10YR 4/3, (ML)
21.5	22/74/4	0.039/46	29		sandy silt, 10YR 4/3, (ML)
22.5	35/58/7	0.052/7.3			sandy silt, 10YR 4/3, (ML)
25.8	1/32/67	0.002/--	32		silty clay, 7.5YR 4/4
27.0	1/30/69	0.002/--	31		silty clay, 7.5YR 4/4
27.8	3/32/65	0.002/--	30		silty clay, 7.5YR 4/4

Table 9e. Sediment Properties at Young 5, Y5

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
7-7.8	11/84/5	0.045/4.4			silt, 10YR 4/3, (ML)
7.8-8.5	43/57/0	0.059/1.6		4	sandy silt, 10YR 4/3, (ML)
13-14.5	56/42/2	0.068/2.1		9	silty sand, 10YR 4/4, (SM)
22.5-24	86/14/0	0.120/2.4		10	sand, 10YR 4/3, (SM)
25.5-26.7	77/18/5	0.100/3.7			sand, 10YR 4/3, (SM)
26.7-27	1/31/68	0.001/--	27	9	silty clay, 10YR 4/4
29-30.5	4/41/55	0.003/--	33	4	silty clay, 10YR 4/4

Table 9f. Sediment Properties at Young 7, Y7

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
3.8	1/24/75	0.002/--	35		clay, 7.5YR 4/4
5.5	55/39/6	0.066/5.8			silty sand, 7.5YR 4/4, (SM)
7.3	24/71/5	0.047/4.6			sandy silt, 7.5YR 4/4, (ML)
8.3	40/66/4	0.056/3.8			sandy silt, 7.5YR 4/4, (ML)
11.0	67/23/10	0.085/23			silty sand, 10YR 4/4, (SM)
12.3	72/25/3	0.090/2.5			silty sand, 10YR 4/4, (SM)
13.8	81/15/4	0.113/3.0			sand, 10YR 4/4, (SM)
16.3	81/16/3	0.100/3.0			sand, 10YR 4/4, (SM)
18.8	77/19/4	0.103/3.1			sand, 10YR 4/4, (SM)
20.8	85/12/3	0.120/2.7			sand, 10YR 4/4, (SM)
21.8	78/18/4	0.105/2.8			sand, 10YR 4/3 (SM)
22.5	76/17/7	0.097/8.1			sand, 10YR 4/3, (SM)
23.8	8/70/22	0.025/--	30		clayey silt, 10YR 4/3
26.0	1/30/69	0.002/--	30		silty clay, 7.5YR 4/4
27.5	0/19/81	0.002/--	29		clay, 7.5YR 4/4

Table 10a. Sediment Properties at Boyle 2, By2

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
2.0	2/79/19	0.027/--	26		silt, 7.5YR 4/3
4.5	4/74/22	0.022/--	32		clayey silt, 7.5YR 4/3
7.5	1/70/29	0.013/--	34		clayey silt, 7.5YR 4/4
8.3	2/81/17	0.019/22	29		silt, 7.5YR 4/4, (ML)
9.3	6/80/14	0.035/22	24		silt, 10YR 4/3, (ML)
12.0	37/57/6	0.050/6.7	23		sandy silt, 7.5YR 4/4, (ML)
13.0	46/44/10	0.058/12	25		silty sand, 10YR 3/2, (SM)
15.8	63/33/4	0.077/3.6	21		silty sand, 7.5YR 4/4, (SM)
19.3	4/35/61	0.002/--	35		silty clay, 7.5YR 4/4
20.3	1/44/55	0.004/--	26		silty clay, 7.5YR 4/4
24.8	44/47/9	0.056/12.7	27		sandy silt, 7.5YR 4/4
27.0	43/52/5	0.058/5.1	24		sandy silt, 7.5YR 4/4 (ML)

Table 10b. Sediment Properties at Garst 1, Gr 1

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
3.3			29		silty clay, 7.5YR 4/4
5.8			26		clayey silt, 7.5YR 4/4
8.5			31		silty clay, 7.5YR 4/4
11.5					v.f. sand, 7.5YR 4/4
16.0					v.f. sand, 7.5YR 4/4
17.8					v.f. sand, 7.5YR 4/4
18.8					v.f. sand, 7.5YR 4/4
23.0					v.f. sand, 7.5YR 4/4
23.3					v.f. sand, 7.5YR 4/4
25.0			29		silty clay, 7.5YR 4/4
26.8			32		silty clay, 7.5YR 4/4
27.8			22		v.f. sand, 7.5YR 4/4
31.5			27		silty sand, 10YR 4/3
32.8					v.f. sand, 7.5YR 4/4
34.0					v.f. sand, 7.5YR 4/4
35.8					v.f. sand, 7.5YR 4/4
36.5			36		silty clay, 7.5YR 4/2 & 7.5YR 4/4
37.5			33		silty clay, 7.5YR 4/3
38.3					silty clay, 5Y 5/1
38.4			33		silty clay, 7.5YR 4/4
41.8			30		silty clay, 5YR 3/2
42.3			35		silty clay, 5YR 3/2
43.3			37		clayey silt, 7.5YR 4/4
43.8			35		clayey silt, 7.5YR 4/4
45.5			24		clayey silt, 7.5YR 4/4
47.0			30		silty clay, 7.5YR 4/4
48.3			29		silty clay, 5YR 3/2
49.0			30		silty clay, 5YR 3/2

Table 10c. Sediment Properties at Brandt 1, Br 1

depth ft	sd/st/cl	d50/Cu	wn/wl/PI/LI	N	description
2.0			29		silty clay, 5YR 4/2
4.0			28		silty clay, 5YR 4/2
6.0			28		silty clay, 5YR 4/2
8.0			27		silty clay, 5YR 4/2
10.0			28		silty clay, 5YR 4/2
11.5			30		silty clay, 5YR 4/2
13.0			32		silty clay, 5YR 4/2
16.0			32		silty clay, 7.5YR 5/2 & 10YR 4/3
18.0			29		silty clay, 7.5YR 5/2 & 10YR 4/3
20.0			30		silty clay, 10YR 5/3
20.5			32		silty clay, 5YR 5/3
20.8			27		silty clay, 5YR 5/3
22.5					silty clay, 5YR 5/3
22.8					clayey silt, 5YR 5/3
24.5			28		silty clay, 5YR 5/3
27.3					v.f. sand, 7.5YR 4/4
28.5			28		clayey silt,7.5YR 4/4
31.5			29		v.f. sand, 7.5YR 4/4
35.5			49		silty clay, 10YR 4/4
36.5			37		silty clay, 7.5YR 4/2
38.8			39		silty clay, 10YR 5/2
40.0			28		clayey silt, 10YR 4/1
41.5			31		silt, 10YR 4/3
43.5			31		clayey silt, 7.5YR 4/2
44.8			28		silty clay, 7.5YR 4/2
45.3			27		clayey silt, 7.5YR 4/2
47.0			30		silty clay, 7.5YR 4/2
48.0			30		silty sand, 10YR 4/3

APPENDIX A Notation and explanation

The following symbols and abbreviations are used:

Ms = surface magnitude;

CPT = cone penetration test;

SPT = standard penetration test;

qc = cone resistance or end bearing resistance in kg/cm2;

fs = friction resistance in kg/cm2;

Rf = friction ratio in percent

N = blows per foot;

C-14 = carbon 14;

sd = sand (2 mm to 0.062 mm);

st = silt (0.062 mm to 0.004 mm);

cl = clay (less than 0.004 mm);

d50 = median grain size;

Cu = coefficient of uniformity, d60/d10

wn = natural water content;

wl = liquid limit;

PI = plasticity index;

LI = liquidity index;

ML, CL, CH, MH = soil types, Unified Soil Classification.

1 m = 3.281 ft

Appendix B. CPT Data

Wildlife 1Cg

ELECTRICAL CONE SITE Wildlife 1Cg

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	31.5	1.87	8.0	11.6	6.77
0.1	0.0	0.00	4.1	31.6	2.03	8.1	11.1	8.10
0.2	0.0	0.00	4.2	26.5	2.14	8.2	18.4	6.99
0.3	0.0	0.00	4.3	29.0	2.11	8.3	21.8	5.76
0.4	2.3	2.11	4.4	46.2	1.87	8.4	25.6	6.40
0.5	3.0	1.64	4.5	56.7	1.77	8.5	23.1	7.03
0.6	2.8	0.92	4.6	56.3	1.79	8.6	19.6	6.57
0.7	3.1	1.32	4.7	40.3	2.11	8.7	22.6	6.09
0.8	5.3	1.30	4.8	23.0	3.68	8.8	19.2	8.11
0.9	5.0	1.80	4.9	8.0	3.85	8.9	11.5	7.50
1.0	4.7	3.24	5.0	19.5	2.11	9.0	8.6	7.63
1.1	7.3	1.21	5.1	24.1	1.68	9.1	10.4	7.92
1.2	6.8	1.27	5.2	21.7	2.46	9.2	12.9	7.42
1.3	6.5	2.28	5.3	14.7	2.27	9.3	15.9	8.08
1.4	4.4	2.89	5.4	11.1	2.70	9.4	17.4	7.88
1.5	4.0	2.04	5.5	10.9	2.43	9.5	19.2	8.09
1.6	2.1	3.28	5.6	12.8	2.17	9.6	18.9	7.37
1.7	4.2	2.45	5.7	14.6	2.61	9.7	19.4	7.68
1.8	2.4	4.48	5.8	31.9	1.63	9.8	24.6	8.88
1.9	4.7	2.23	5.9	44.8	1.98	9.9	23.9	7.98
2.0	6.5	1.76	6.0	47.3	1.94	10.0	20.3	6.84
2.1	5.0	2.15	6.1	49.0	2.01	10.1	27.0	6.37
2.2	7.0	1.30	6.2	40.7	2.24	10.2	28.7	6.86
2.3	8.2	3.00	6.3	40.4	2.26	10.3	26.7	7.90
2.4	5.7	3.91	6.4	36.2	2.90	10.4	27.0	7.05
2.5	19.8	2.08	6.5	58.5	2.03	10.5	26.4	6.70
2.6	6.6	5.30	6.6	137.8	1.54	10.6	23.1	6.50
2.7	10.8	2.35	6.7	145.4	1.64	10.7	29.8	6.59
2.8	39.5	1.68	6.8	139.0	1.89	10.8	30.9	6.32
2.9	75.4	1.56	6.9	59.7	4.46	10.9	29.6	7.07
3.0	77.5	1.46	7.0	26.3	6.19	11.0	23.2	7.17
3.1	83.9	1.45	7.1	23.7	5.80	11.1	21.5	7.51
3.2	84.9	1.53	7.2	23.3	5.69	11.2	20.7	6.29
3.3	81.7	1.64	7.3	19.8	4.84	11.3	26.0	8.14
3.4	59.3	1.69	7.4	16.0	4.66	11.4	26.5	7.80
3.5	54.4	1.77	7.5	12.9	5.34	11.5	23.1	6.35
3.6	48.2	1.83	7.6	11.2	7.73	11.6	21.9	6.86
3.7	47.2	1.69	7.7	17.1	7.50	11.7	21.5	6.56
3.8	46.9	1.77	7.8	18.5	6.60	11.8	23.0	6.41
3.9	28.8	2.81	7.9	14.5	6.04	11.9	24.2	6.86

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	23.0	7.76						
12.1	18.9	4.18						
12.2	15.9	4.64						
12.3	45.3	2.46						
12.4	87.5	1.87						
12.5	92.7	2.45						
12.6	105.1	1.70						
12.7	106.1	1.79						
12.8	117.3	1.75						
12.9	124.8	2.22						
13.0	100.1	0.00						

ELECTRICAL CONE Wildlife 1Cp

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	21.0	1.71	8.0	9.0	6.67
0.1	0.0	0.00	4.1	21.0	2.00	8.1	8.0	13.50
0.2	0.0	0.00	4.2	18.0	2.39	8.2	10.0	8.80
0.3	0.0	0.00	4.3	21.0	2.00	8.3	16.0	7.25
0.4	9.0	4.11	4.4	21.0	1.90	8.4	13.0	14.92
0.5	6.0	7.00	4.5	12.0	3.92	8.5	15.0	11.13
0.6	10.0	3.00	4.6	10.0	3.70	8.6	15.0	11.27
0.7	9.0	1.78	4.7	14.0	1.71	8.7	12.0	15.33
0.8	6.0	2.50	4.8	26.0	0.88	8.8	10.0	16.20
0.9	5.0	2.60	4.9	29.0	1.69	8.9	10.0	13.40
1.0	5.0	3.20	5.0	25.0	2.28	9.0	11.0	12.00
1.1	5.0	2.00	5.1	21.0	2.24	9.1	10.0	13.40
1.2	5.0	1.60	5.2	22.0	1.64	9.2	11.0	11.82
1.3	4.0	2.50	5.3	22.0	2.23	9.3	12.0	11.17
1.4	2.0	5.00	5.4	24.0	2.38	9.4	12.0	13.58
1.5	1.0	9.00	5.5	22.0	2.95	9.5	11.0	14.09
1.6	1.0	8.00	5.6	16.0	3.63	9.6	13.0	10.85
1.7	1.0	7.00	5.7	11.0	4.64	9.7	13.0	11.77
1.8	1.0	6.00	5.8	22.0	2.00	9.8	16.0	9.94
1.9	1.0	10.00	5.9	23.0	1.61	9.9	15.0	11.73
2.0	2.0	5.00	6.0	33.0	1.48	10.0	16.0	10.56
2.1	1.0	7.00	6.1	24.0	3.00	10.1	17.0	11.59
2.2	5.0	2.00	6.2	41.0	1.93	10.2	15.0	13.07
2.3	5.0	2.40	6.3	75.0	0.87	10.3	12.0	11.42
2.4	5.0	3.00	6.4	81.0	1.62	10.4	10.0	13.40
2.5	13.0	1.62	6.5	99.0	1.48	10.5	9.0	13.22
2.6	8.0	2.38	6.6	73.0	2.73	10.6	9.0	13.67
2.7	5.0	8.80	6.7	68.0	2.28	10.7	14.0	7.43
2.8	16.0	1.38	6.8	72.0	1.76	10.8	17.0	9.12
2.9	35.0	1.06	6.9	65.0	2.03	10.9	18.0	12.33
3.0	44.0	1.45	7.0	26.0	6.27	11.0	18.0	13.39
3.1	57.0	1.19	7.1	14.0	13.64	11.1	18.0	12.33
3.2	55.0	1.75	7.2	11.0	10.45	11.2	17.0	11.18
3.3	33.0	5.76	7.3	10.0	9.10	11.3	18.0	10.50
3.4	26.0	3.42	7.4	8.0	8.25	11.4	17.0	11.59
3.5	16.0	3.69	7.5	7.0	8.00	11.5	16.0	10.56
3.6	14.0	3.57	7.6	8.0	8.00	11.6	14.0	11.64
3.7	18.0	1.33	7.7	12.0	5.42	11.7	23.0	6.70
3.8	18.0	1.89	7.8	12.0	7.50	11.8	67.0	2.51
3.9	17.0	2.18	7.9	7.0	12.00	11.9	77.0	1.45

ELECTRICAL CONE SITE Wildlife 1p

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	73.0	2.45						
12.1	88.0	1.68						
12.2	64.0	2.23						
12.3	60.0	2.78						
12.4	62.0	2.95						
12.5	54.0	3.74						

ELECTRICAL CONE SITE Wildlife 2Cg

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	15.2	3.76	8.0	12.1	7.79
0.1	0.0	0.00	4.1	6.3	4.56	8.1	14.6	7.45
0.2	0.0	0.00	4.2	13.8	1.79	8.2	12.0	7.93
0.3	0.0	0.00	4.3	18.1	1.98	8.3	15.7	6.89
0.4	9.5	4.47	4.4	23.2	2.06	8.4	13.6	7.51
0.5	9.0	5.15	4.5	44.4	1.77	8.5	20.7	8.17
0.6	4.4	8.10	4.6	51.3	1.81	8.6	19.0	7.65
0.7	4.9	4.53	4.7	52.8	1.75	8.7	11.2	7.58
0.8	8.7	2.82	4.8	69.6	1.69	8.8	14.6	7.58
0.9	9.3	2.53	4.9	71.7	1.64	8.9	15.4	9.67
1.0	6.4	3.12	5.0	86.4	1.67	9.0	12.1	9.32
1.1	4.9	3.95	5.1	81.0	1.68	9.1	12.8	9.80
1.2	3.8	4.85	5.2	84.5	1.61	9.2	16.0	9.45
1.3	4.2	4.47	5.3	86.3	1.76	9.3	16.3	10.07
1.4	8.7	1.59	5.4	82.8	1.81	9.4	15.1	9.56
1.5	5.5	3.34	5.5	88.2	1.81	9.5	13.6	10.09
1.6	3.3	6.49	5.6	85.0	1.84	9.6	13.3	9.79
1.7	2.3	7.42	5.7	73.8	1.92	9.7	14.6	9.44
1.8	1.8	5.88	5.8	74.2	1.88	9.8	13.7	8.73
1.9	0.3	37.77	5.9	73.5	1.90	9.9	14.5	9.34
2.0	0.5	25.60	6.0	75.7	1.96	10.0	22.0	8.78
2.1	0.6	21.33	6.1	60.2	2.18	10.1	26.9	8.15
2.2	1.6	5.75	6.2	56.3	2.05	10.2	27.4	8.08
2.3	1.1	7.35	6.3	54.9	1.99	10.3	28.5	7.89
2.4	0.8	10.44	6.4	66.6	1.92	10.4	28.3	7.92
2.5	2.0	5.42	6.5	78.4	1.88	10.5	31.4	7.05
2.6	1.8	7.78	6.6	85.0	1.87	10.6	25.6	8.28
2.7	3.5	2.10	6.7	83.6	1.86	10.7	19.1	8.70
2.8	6.1	2.22	6.8	91.3	1.87	10.8	17.7	7.51
2.9	6.1	2.67	6.9	93.5	1.87	10.9	18.0	8.66
3.0	6.2	2.59	7.0	99.7	2.08	11.0	18.2	8.31
3.1	23.2	1.85	7.1	61.2	4.63	11.1	17.0	8.03
3.2	27.1	1.76	7.2	23.3	7.19	11.2	21.9	9.14
3.3	35.2	1.71	7.3	16.4	6.65	11.3	21.1	10.08
3.4	47.1	1.69	7.4	11.5	6.29	11.4	16.5	8.99
3.5	44.0	1.71	7.5	9.8	6.14	11.5	19.0	8.59
3.6	45.4	1.72	7.6	9.2	6.40	11.6	18.6	8.69
3.7	39.0	1.81	7.7	9.1	6.88	11.7	21.8	8.16
3.8	39.4	1.72	7.8	9.7	6.64	11.8	24.4	8.14
3.9	30.9	1.84	7.9	8.9	9.06	11.9	18.5	8.60

ELECTRICAL CONE SITE Wildlife 2Cg

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	24.0	7.93						
12.1	64.3	2.88						
12.2	83.5	2.88						
12.3	119.9	2.12						
12.4	119.9	2.69						
12.5	108.8	1.71						
12.6	109.2	1.99						
12.7	91.3	2.56						
12.8	82.2	2.54						
12.9	96.2	1.60						
13.0	86.4	2.65						
13.1	90.3	2.55						
13.2	85.2	0.00						

ELECTRICAL CONE SITE **Wildlife 3Cg**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	69.9	0.45	8.0	18.6	6.15
0.1	0.0	0.00	4.1	93.1	0.55	8.1	20.0	6.81
0.2	0.0	0.00	4.2	75.6	0.53	8.2	19.8	7.80
0.3	0.0	0.00	4.3	88.2	0.48	8.3	17.6	7.08
0.4	6.0	3.73	4.4	92.1	0.51	8.4	13.1	8.58
0.5	8.3	2.70	4.5	94.5	0.57	8.5	14.7	9.40
0.6	11.5	1.00	4.6	94.0	0.55	8.6	13.0	9.55
0.7	9.3	0.84	4.7	103.0	0.53	8.7	18.8	9.66
0.8	10.1	0.64	4.8	104.8	0.53	8.8	16.7	10.06
0.9	8.9	0.85	4.9	91.9	0.52	8.9	14.5	10.34
1.0	7.6	1.05	5.0	78.0	0.56	9.0	18.4	8.38
1.1	10.6	0.54	5.1	70.2	0.53	9.1	21.3	8.64
1.2	10.2	0.62	5.2	70.9	0.51	9.2	21.0	9.09
1.3	6.0	1.15	5.3	63.7	0.51	9.3	21.2	8.72
1.4	3.9	1.77	5.4	65.9	0.43	9.4	22.9	8.69
1.5	1.8	2.56	5.5	73.9	0.39	9.5	17.0	8.59
1.6	1.8	2.00	5.6	62.4	0.47	9.6	13.7	9.50
1.7	0.8	3.38	5.7	33.2	0.66	9.7	18.7	8.03
1.8	0.6	9.50	5.8	28.9	0.38	9.8	19.9	7.90
1.9	3.4	1.18	5.9	30.0	0.26	9.9	24.2	7.84
2.0	3.4	0.44	6.0	35.8	0.36	10.0	26.4	6.74
2.1	2.1	2.38	6.1	42.5	0.42	10.1	25.0	7.12
2.2	5.3	0.98	6.2	48.7	0.49	10.2	21.4	7.93
2.3	4.4	1.39	6.3	70.7	0.46	10.3	15.9	9.05
2.4	3.9	3.54	6.4	92.8	0.46	10.4	13.0	8.95
2.5	16.0	0.49	6.5	104.3	0.51	10.5	12.1	10.12
2.6	18.9	0.32	6.6	98.6	0.56	10.6	13.5	11.07
2.7	18.8	0.23	6.7	76.8	0.90	10.7	13.6	10.62
2.8	15.9	0.21	6.8	25.1	3.33	10.8	14.8	10.18
2.9	15.5	0.23	6.9	15.5	3.66	10.9	17.5	9.60
3.0	15.8	0.12	7.0	12.4	2.79	11.0	17.7	8.73
3.1	13.6	0.10	7.1	8.8	2.98	11.1	18.0	8.78
3.2	11.4	0.00	7.2	7.7	3.05	11.2	18.1	8.55
3.3	11.6	0.05	7.3	6.7	2.97	11.3	14.6	8.23
3.4	15.3	0.15	7.4	4.0	4.50	11.4	12.1	7.23
3.5	27.3	0.30	7.5	3.7	5.78	11.5	20.9	4.07
3.6	28.0	0.70	7.6	12.5	6.68	11.6	66.4	1.78
3.7	36.2	0.37	7.7	11.9	9.12	11.7	115.1	0.57
3.8	42.6	0.39	7.8	14.2	8.32	11.8	150.6	0.00
3.9	68.1	0.43	7.9	18.7	7.73			

ELECTRICAL CONE SITE **Wildlife 3Cp**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	33.0	0.85	8.0	12.0	8.75
0.1	0.0	0.00	4.1	26.0	1.92	8.1	12.0	13.50
0.2	0.0	0.00	4.2	31.0	1.45	8.2	13.0	11.15
0.3	0.0	0.00	4.3	42.0	1.17	8.3	12.0	13.08
0.4	4.0	6.25	4.4	53.0	1.13	8.4	10.0	15.20
0.5	3.0	8.33	4.5	57.0	1.37	8.5	12.0	9.67
0.6	7.0	2.86	4.6	57.0	1.56	8.6	15.0	9.67
0.7	5.0	3.80	4.7	55.0	1.82	8.7	15.0	13.60
0.8	3.0	6.33	4.8	64.0	1.47	8.8	16.0	12.38
0.9	3.0	6.33	4.9	70.0	1.30	8.9	16.0	12.25
1.0	3.0	4.67	5.0	70.0	1.50	9.0	16.0	13.06
1.1	3.0	2.33	5.1	56.0	19.64	9.1	15.0	13.93
1.2	2.0	10.50	5.2	48.0	2.10	9.2	13.0	15.31
1.3	1.0	9.00	5.3	42.0	1.98	9.3	11.0	17.00
1.4	1.0	15.00	5.4	34.0	2.12	9.4	10.0	14.60
1.5	1.0	5.00	5.5	32.0	1.94	9.5	13.0	11.15
1.6	1.0	3.00	5.6	21.0	2.86	9.6	13.0	14.92
1.7	1.0	2.00	5.7	23.0	2.91	9.7	14.0	12.21
1.8	1.0	2.00	5.8	23.0	1.26	9.8	15.0	12.27
1.9	1.0	6.00	5.9	30.0	1.20	9.9	15.0	12.27
2.0	1.0	6.00	6.0	36.0	1.36	10.0	15.0	11.80
2.1	1.0	5.00	6.1	36.0	1.97	10.1	16.0	11.00
2.2	1.0	10.00	6.2	45.0	1.51	10.2	16.0	12.31
2.3	1.0	9.00	6.3	42.0	1.90	10.3	16.0	12.50
2.4	1.0	9.00	6.4	50.0	1.60	10.4	12.0	15.92
2.5	1.0	10.00	6.5	63.0	1.38	10.5	10.0	14.70
2.6	3.0	2.33	6.6	75.0	1.33	10.6	10.0	13.00
2.7	5.0	1.80	6.7	37.0	3.76	10.7	9.0	13.44
2.8	9.0	1.00	6.8	14.0	12.93	10.8	11.0	11.00
2.9	10.0	1.30	6.9	13.0	8.08	10.9	12.0	13.25
3.0	20.0	0.85	7.0	12.0	8.67	11.0	11.0	15.18
3.1	28.0	1.82	7.1	8.0	11.63	11.1	10.0	13.00
3.2	31.0	1.00	7.2	8.0	7.00	11.2	15.0	8.00
3.3	31.0	1.52	7.3	7.0	7.43	11.3	17.0	10.35
3.4	31.0	1.52	7.4	7.0	7.29	11.4	16.0	13.75
3.5	28.0	1.54	7.5	8.0	7.75	11.5	12.0	16.42
3.6	12.0	4.33	7.6	11.0	6.73	11.6	23.0	5.74
3.7	17.0	2.35	7.7	13.0	6.08	11.7	63.0	1.49
3.8	19.0	1.58	7.8	12.0	7.83	11.8	93.0	1.58
3.9	19.0	1.47	7.9	11.0	8.82			

ELEGTRICAL CONE SITE Wildlife 4Cg

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	50.4	0.51	8.0	15.8	6.82
0.1	0.0	0.00	4.1	50.4	0.59	8.1	10.5	6.15
0.2	0.0	0.00	4.2	54.5	0.57	8.2	10.5	7.01
0.3	0.0	0.00	4.3	61.5	0.56	8.3	18.8	6.15
0.4	5.6	3.04	4.4	72.5	0.61	8.4	20.6	6.44
0.5	8.2	1.83	4.5	69.2	0.62	8.5	20.6	7.63
0.6	15.1	0.78	4.6	92.1	0.54	8.6	17.7	8.00
0.7	14.3	0.70	4.7	91.3	0.61	8.7	19.0	8.18
0.8	12.6	0.67	4.8	73.7	0.74	8.8	20.1	7.86
0.9	8.8	0.96	4.9	56.8	0.71	8.9	15.2	8.48
1.0	8.1	0.85	5.0	69.1	0.50	9.0	18.3	7.72
1.1	5.3	1.31	5.1	66.3	0.63	9.1	19.3	7.26
1.2	9.2	0.58	5.2	69.3	0.74	9.2	18.3	7.05
1.3	5.5	1.32	5.3	70.9	0.79	9.3	19.2	7.23
1.4	4.4	1.85	5.4	48.3	1.14	9.4	20.6	6.82
1.5	3.8	2.45	5.5	37.5	0.96	9.5	19.2	7.01
1.6	2.5	4.22	5.6	38.4	0.77	9.6	17.9	7.32
1.7	2.3	2.74	5.7	37.7	0.81	9.7	17.9	7.20
1.8	2.8	4.07	5.8	39.8	0.87	9.8	20.8	7.68
1.9	3.4	3.78	5.9	40.6	0.76	9.9	21.7	7.73
2.0	8.1	0.96	6.0	37.9	0.96	10.0	23.3	7.25
2.1	3.9	1.84	6.1	28.6	1.06	10.1	25.3	7.44
2.2	5.5	1.95	6.2	27.3	1.07	10.2	24.6	7.30
2.3	6.3	1.69	6.3	23.3	1.74	10.3	20.5	7.08
2.4	5.9	2.02	6.4	39.8	0.80	10.4	17.5	7.68
2.5	5.0	2.09	6.5	63.8	0.79	10.5	16.2	7.51
2.6	10.6	0.54	6.6	75.9	0.87	10.6	14.5	7.36
2.7	13.4	0.70	6.7	89.6	0.92	10.7	18.7	8.58
2.8	37.8	0.38	6.8	95.1	0.88	10.8	22.1	7.17
2.9	33.8	0.46	6.9	77.0	0.93	10.9	22.1	6.73
3.0	23.7	0.65	7.0	45.6	2.27	11.0	21.4	7.04
3.1	22.4	0.32	7.1	15.6	4.17	11.1	20.0	6.71
3.2	22.4	0.41	7.2	11.4	4.28	11.2	19.9	7.89
3.3	26.4	0.49	7.3	11.4	3.81	11.3	21.7	7.53
3.4	35.5	0.51	7.4	10.8	3.68	11.4	22.9	7.23
3.5	35.9	0.57	7.5	9.9	4.94	11.5	22.2	8.08
3.6	35.9	0.49	7.6	18.1	3.34	11.6	19.7	7.13
3.7	43.5	0.49	7.7	15.5	3.97	11.7	75.9	1.57
3.8	40.9	0.44	7.8	15.5	6.01	11.8	113.3	1.19
3.9	46.4	0.42	7.9	16.2	8.44	11.9	168.4	0.00

ELECTRICAL CONE SITE Wildlife 5Cg

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.78	4.0	58.6	0.61	8.0	19.0	6.05
0.1	0.0	0.78	4.1	67.6	0.67	8.1	22.5	6.10
0.2	0.0	0.78	4.2	71.1	0.68	8.2	16.1	8.16
0.3	0.0	0.78	4.3	79.6	0.66	8.3	16.0	7.03
0.4	11.6	3.11	4.4	71.7	0.68	8.4	12.9	8.57
0.5	13.6	1.97	4.5	69.8	0.65	8.5	14.1	7.69
0.6	16.4	1.21	4.6	67.6	0.63	8.6	17.2	7.41
0.7	10.0	0.82	4.7	69.7	0.67	8.7	16.7	8.65
0.8	7.4	0.84	4.8	54.0	0.69	8.8	22.4	7.72
0.9	4.4	1.64	4.9	51.6	0.58	8.9	18.0	8.11
1.0	5.3	1.74	5.0	45.5	0.69	9.0	17.4	7.98
1.1	5.5	3.07	5.1	41.5	0.62	9.1	18.6	7.67
1.2	6.8	1.51	5.2	34.2	0.64	9.2	21.8	7.94
1.3	4.8	1.98	5.3	28.1	0.76	9.3	22.7	7.65
1.4	5.8	3.33	5.4	42.4	0.66	9.4	23.1	7.26
1.5	6.1	3.64	5.5	79.3	0.66	9.5	25.0	6.98
1.6	5.7	3.95	5.6	64.9	0.75	9.6	26.7	6.91
1.7	4.6	3.17	5.7	39.8	0.88	9.7	22.3	7.49
1.8	3.6	3.89	5.8	36.7	0.71	9.8	29.2	7.20
1.9	3.0	4.90	5.9	39.6	0.59	9.9	32.0	6.85
2.0	3.4	3.62	6.0	35.8	0.72	10.0	34.3	6.22
2.1	4.1	3.49	6.1	37.1	0.76	10.1	28.1	7.01
2.2	4.8	2.02	6.2	39.3	0.81	10.2	23.2	7.49
2.3	4.8	1.60	6.3	42.9	0.82	10.3	19.1	7.24
2.4	3.9	1.72	6.4	46.4	1.23	10.4	17.2	7.59
2.5	5.4	1.48	6.5	54.3	0.90	10.5	21.5	7.50
2.6	3.8	2.21	6.6	71.2	1.22	10.6	21.4	6.98
2.7	5.8	0.84	6.7	26.3	4.40	10.7	19.9	7.28
2.8	11.9	0.31	6.8	19.8	4.40	10.8	19.0	7.02
2.9	10.8	0.52	6.9	14.5	4.68	10.9	19.9	7.57
3.0	10.7	0.49	7.0	13.8	3.51	11.0	22.5	6.68
3.1	14.4	0.32	7.1	13.8	3.15	11.1	24.3	6.57
3.2	19.8	0.33	7.2	12.4	3.15	11.2	16.7	7.59
3.3	24.2	1.18	7.3	12.9	3.88	11.3	12.0	6.73
3.4	9.2	1.82	7.4	16.7	3.44	11.4	15.2	5.43
3.5	31.2	0.51	7.5	12.8	5.90	11.5	30.6	3.40
3.6	29.6	1.00	7.6	19.9	5.62	11.6	67.5	1.23
3.7	46.6	0.56	7.7	16.0	6.63	11.7	141.5	0.00
3.8	47.0	0.71	7.8	15.9	7.15			
3.9	53.8	0.63	7.9	15.7	7.73			

ELECTRICAL CONE SITE Wildlife 6Cg

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.43	4.0	30.9	1.50	8.0	23.2	4.02
0.1	0.0	0.43	4.1	30.4	0.88	8.1	20.0	5.57
0.2	0.0	0.43	4.2	33.5	0.89	8.2	16.9	5.87
0.3	0.0	0.43	4.3	37.8	0.67	8.3	19.7	5.61
0.4	10.4	3.08	4.4	41.4	0.80	8.4	21.6	6.63
0.5	13.8	1.68	4.5	64.6	0.69	8.5	22.2	7.12
0.6	15.3	0.98	4.6	68.8	0.77	8.6	24.1	7.63
0.7	13.0	1.32	4.7	69.7	0.69	8.7	25.8	8.32
0.8	10.8	1.31	4.8	56.9	0.86	8.8	22.4	7.38
0.9	9.6	1.38	4.9	48.0	0.81	8.9	22.5	6.89
1.0	7.4	1.84	5.0	81.1	0.73	9.0	24.9	7.66
1.1	6.6	2.09	5.1	86.0	0.83	9.1	23.2	7.03
1.2	6.5	1.91	5.2	79.4	0.92	9.2	22.5	5.86
1.3	5.8	1.90	5.3	94.7	0.82	9.3	20.4	6.57
1.4	4.7	2.21	5.4	104.5	0.91	9.4	18.5	7.09
1.5	3.9	3.18	5.5	87.6	0.88	9.5	24.7	6.72
1.6	4.3	3.44	5.6	93.9	0.85	9.6	27.4	6.47
1.7	5.5	2.58	5.7	70.8	0.86	9.7	24.2	6.69
1.8	5.2	2.96	5.8	52.4	0.97	9.8	24.1	6.65
1.9	5.1	3.02	5.9	49.5	0.83	9.9	22.5	5.90
2.0	4.6	3.17	6.0	48.7	0.85	10.0	21.5	6.48
2.1	4.3	3.02	6.1	45.5	0.91	10.1	25.5	6.75
2.2	4.4	3.18	6.2	45.1	0.90	10.2	24.2	7.35
2.3	5.4	2.19	6.3	43.7	0.91	10.3	19.6	7.28
2.4	5.7	2.49	6.4	37.7	0.91	10.4	22.2	6.66
2.5	10.3	0.99	6.5	20.8	1.23	10.5	25.2	6.94
2.6	10.6	1.68	6.6	14.1	1.53	10.6	18.6	6.80
2.7	19.3	0.66	6.7	12.7	1.72	10.7	17.1	6.57
2.8	24.2	0.74	6.8	15.0	1.55	10.8	19.6	6.29
2.9	25.8	0.75	6.9	31.3	2.00	10.9	20.7	6.85
3.0	27.1	0.72	7.0	15.5	2.66	11.0	22.9	6.65
3.1	25.9	0.83	7.1	13.2	2.73	11.1	25.7	6.54
3.2	26.9	0.71	7.2	13.8	2.64	11.2	28.3	6.63
3.3	34.2	0.74	7.3	14.1	2.85	11.3	27.5	6.04
3.4	42.6	0.77	7.4	15.9	3.36	11.4	18.7	6.87
3.5	50.1	0.76	7.5	17.4	3.21	11.5	63.7	1.30
3.6	43.3	0.86	7.6	23.8	2.21	11.6	102.8	1.13
3.7	29.1	1.19	7.7	18.1	3.38	11.7	130.8	0.00
3.8	41.5	0.73	7.8	15.8	4.03			
3.9	42.2	0.78	7.9	19.2	5.17			

ELECTRICAL CONE SITE Wildlife 6Ct

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	28.5	0.76	8.0	13.9	7.27
0.1	0.0	0.00	4.1	27.2	0.96	8.1	16.3	7.56
0.2	0.0	0.00	4.2	42.9	0.93	8.2	14.7	8.72
0.3	0.0	0.00	4.3	33.8	1.82	8.3	14.7	6.86
0.4	11.0	4.40	4.4	32.2	1.27	8.4	19.2	5.62
0.5	9.6	4.27	4.5	44.1	0.97	8.5	17.3	8.51
0.6	6.8	3.79	4.6	49.6	0.95	8.6	17.3	7.98
0.7	4.5	2.80	4.7	49.6	1.00	8.7	15.2	8.66
0.8	5.7	2.21	4.8	47.8	1.01	8.8	17.2	9.02
0.9	3.4	2.85	4.9	40.3	0.94	8.9	17.2	8.53
1.0	5.4	1.80	5.0	33.4	1.53	9.0	13.0	0.00
1.1	5.1	5.18	5.1	27.1	1.24			
1.2	3.7	10.11	5.2	37.2	0.97			
1.3	5.6	2.82	5.3	41.1	0.97			
1.4	2.7	6.67	5.4	50.5	0.91			
1.5	1.9	12.95	5.5	59.4	0.96			
1.6	1.9	12.95	5.6	66.6	0.98			
1.7	1.9	12.95	5.7	70.3	0.99			
1.8	1.9	11.79	5.8	73.2	0.94			
1.9	1.3	15.15	5.9	72.7	0.76			
2.0	0.9	19.11	6.0	70.0	0.97			
2.1	0.9	17.33	6.1	71.7	0.98			
2.2	1.2	10.25	6.2	84.6	0.91			
2.3	1.2	10.25	6.3	108.6	0.87			
2.4	2.6	2.81	6.4	105.4	0.93			
2.5	2.6	2.81	6.5	77.6	1.20			
2.6	1.0	11.10	6.6	51.7	1.26			
2.7	9.0	0.97	6.7	55.9	1.11			
2.8	17.8	0.76	6.8	32.3	2.53			
2.9	20.8	1.27	6.9	11.1	5.91			
3.0	4.5	4.96	7.0	11.1	4.53			
3.1	6.5	1.11	7.1	8.6	5.14			
3.2	6.5	1.11	7.2	9.6	4.81			
3.3	9.1	1.03	7.3	8.0	5.18			
3.4	14.0	0.81	7.4	8.0	7.31			
3.5	16.0	0.91	7.5	22.2	3.40			
3.6	16.9	0.95	7.6	17.1	4.86			
3.7	16.0	1.01	7.7	13.2	4.67			
3.8	16.0	1.01	7.8	11.4	7.61			
3.9	18.6	0.96	7.9	19.9	6.41			

ELECTRICAL CONE SITE **Wildlife 7Cg**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	49.1	1.76	8.0	18.8	7.09
0.1	0.0	0.00	4.1	46.3	1.81	8.1	18.4	6.58
0.2	0.0	0.00	4.2	69.7	1.57	8.2	24.6	6.53
0.3	0.0	0.00	4.3	63.7	1.66	8.3	20.0	7.46
0.4	6.6	9.14	4.4	66.2	1.67	8.4	19.3	5.88
0.5	5.2	9.03	4.5	74.1	1.60	8.5	21.4	7.42
0.6	10.0	4.49	4.6	95.0	1.48	8.6	17.8	8.08
0.7	12.3	3.48	4.7	103.3	1.52	8.7	15.8	9.06
0.8	7.1	4.78	4.8	82.7	1.80	8.8	17.1	10.69
0.9	8.1	4.50	4.9	68.4	1.90	8.9	18.8	9.97
1.0	7.9	1.75	5.0	71.8	1.60	9.0	14.0	8.53
1.1	6.4	1.42	5.1	68.9	1.65	9.1	12.7	10.67
1.2	2.7	7.11	5.2	64.1	1.70	9.2	16.4	9.54
1.3	3.8	8.70	5.3	60.0	1.70	9.3	17.9	7.79
1.4	4.3	8.25	5.4	51.8	1.87	9.4	19.3	8.09
1.5	3.6	7.93	5.5	43.8	1.85	9.5	22.7	7.84
1.6	3.2	9.12	5.6	40.1	1.85	9.6	25.2	7.24
1.7	4.1	11.32	5.7	40.2	1.94	9.7	25.0	7.12
1.8	5.7	7.70	5.8	42.3	2.04	9.8	25.7	8.30
1.9	4.8	8.84	5.9	48.9	1.82	9.9	23.0	8.10
2.0	3.2	10.97	6.0	49.9	1.86	10.0	21.2	7.98
2.1	1.8	14.32	6.1	46.9	2.02	10.1	21.9	8.24
2.2	1.3	16.48	6.2	44.0	1.87	10.2	17.9	8.59
2.3	1.0	19.38	6.3	42.7	1.92	10.3	17.1	8.17
2.4	0.9	14.52	6.4	49.4	1.76	10.4	16.7	9.12
2.5	0.8	10.89	6.5	51.3	1.82	10.5	21.8	8.64
2.6	1.6	6.36	6.6	58.3	1.71	10.6	22.6	8.03
2.7	6.8	1.76	6.7	53.3	1.80	10.7	23.2	7.68
2.8	5.4	2.61	6.8	61.9	2.19	10.8	22.6	9.72
2.9	5.0	1.56	6.9	31.8	5.23	10.9	17.5	10.26
3.0	5.2	2.33	7.0	19.4	6.42	11.0	15.6	9.45
3.1	5.6	2.68	7.1	12.4	7.65	11.1	15.8	8.24
3.2	6.7	1.91	7.2	9.6	7.62	11.2	14.3	8.55
3.3	9.4	2.68	7.3	9.1	7.25	11.3	12.8	8.66
3.4	26.8	1.52	7.4	9.3	6.40	11.4	13.3	7.95
3.5	41.4	1.59	7.5	7.1	6.87	11.5	12.2	8.76
3.6	59.3	1.53	7.6	4.9	6.56	11.6	7.8	10.43
3.7	60.4	1.57	7.7	3.1	8.60	11.7	11.8	8.20
3.8	55.3	1.67	7.8	8.2	5.73	11.8	17.8	7.00
3.9	51.6	1.71	7.9	14.0	7.36	11.9	96.3	1.35

ELECTRICAL CONE SITE **Wildlife 7Cg**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	99.2	2.14						
12.1	101.4	1.82						
12.2	91.8	2.91						
12.3	67.8	3.09						
12.4	80.3	2.07						
12.5	81.4	1.44						
12.6	70.7	1.67						
12.7	60.1	3.07						
12.8	76.7	2.51						
12.9	64.3	0.00						

ELECTRICAL CONE SITE Wildlife 7Cp

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	1.47	4.0	30.0	1.43	8.0	10.0	13.80
0.1	0.0	1.47	4.1	38.0	1.34	8.1	8.0	16.50
0.2	0.0	1.47	4.2	40.0	1.50	8.2	12.0	9.42
0.3	0.0	1.47	4.3	36.0	1.83	8.3	10.0	13.70
0.4	4.0	13.00	4.4	32.0	2.03	8.4	10.0	13.40
0.5	4.0	10.75	4.5	37.0	1.57	8.5	10.0	14.90
0.6	4.0	7.00	4.6	41.0	1.59	8.6	13.0	9.69
0.7	4.0	4.00	4.7	43.0	1.70	8.7	13.0	11.31
0.8	2.0	7.00	4.8	43.0	1.88	8.8	13.0	14.54
0.9	2.0	6.50	4.9	37.0	2.24	8.9	15.0	10.47
1.0	3.0	1.67	5.0	33.0	2.15	9.0	14.0	15.14
1.1	2.0	6.50	5.1	34.0	1.88	9.1	12.0	15.92
1.2	1.0	17.00	5.2	47.0	1.43	9.2	11.0	12.64
1.3	1.0	20.00	5.3	53.0	1.47	9.3	13.0	11.15
1.4	1.0	24.00	5.4	44.0	2.18	9.4	14.0	12.29
1.5	1.0	22.00	5.5	32.0	2.78	9.5	16.0	10.00
1.6	1.0	25.00	5.6	28.0	2.61	9.6	18.0	10.56
1.7	1.0	35.00	5.7	25.0	2.16	9.7	21.0	9.71
1.8	1.0	31.00	5.8	25.0	1.96	9.8	20.0	10.80
1.9	1.0	28.00	5.9	25.0	2.12	9.9	20.0	9.95
2.0	1.0	24.00	6.0	25.0	2.00	10.0	21.0	9.24
2.1	1.0	31.00	6.1	25.0	2.12	10.1	16.0	13.06
2.2	2.0	13.50	6.2	25.0	2.00	10.2	14.0	14.14
2.3	1.0	14.00	6.3	10.0	6.90	10.3	12.0	14.92
2.4	1.0	13.00	6.4	9.0	5.78	10.4	12.0	13.33
2.5	1.0	9.00	6.5	5.0	7.20	10.5	11.0	12.18
2.6	1.0	9.00	6.6	8.0	3.63	10.6	14.0	8.86
2.7	5.0	1.60	6.7	10.0	2.00	10.7	15.0	10.93
2.8	7.0	1.43	6.8	10.0	2.00	10.8	17.0	9.94
2.9	8.0	1.75	6.9	11.0	2.27	10.9	16.0	13.44
3.0	8.0	1.50	7.0	10.0	3.50	11.0	18.0	9.72
3.1	10.0	1.30	7.1	8.0	7.38	11.1	20.0	9.55
3.2	17.0	1.88	7.2	8.0	6.38	11.2	10.0	19.80
3.3	19.0	1.58	7.3	8.0	5.63	11.3	10.0	14.70
3.4	15.0	2.27	7.4	11.0	5.09	11.4	15.0	7.67
3.5	14.0	2.14	7.5	14.0	8.57	11.5	22.0	6.00
3.6	13.0	2.08	7.6	13.0	11.38	11.6	64.0	3.13
3.7	11.0	2.55	7.7	13.0	10.69			
3.8	16.0	1.56	7.8	15.0	8.87			
3.9	25.0	1.12	7.9	12.0	11.92			

ELECTRICAL CONE SITE Wildlife 8Cg

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	47.1	1.78	8.0	9.7	9.28
0.1	0.0	0.00	4.1	56.7	1.81	8.1	13.5	8.56
0.2	0.0	0.00	4.2	16.6	5.64	8.2	15.0	9.83
0.3	0.0	0.00	4.3	4.2	8.42	8.3	15.5	8.59
0.4	5.5	8.61	4.4	2.8	11.68	8.4	21.9	8.00
0.5	6.5	11.40	4.5	4.1	7.21	8.5	13.9	10.13
0.6	6.6	11.85	4.6	4.5	5.72	8.6	9.7	10.76
0.7	5.9	10.73	4.7	18.2	2.23	8.7	12.6	10.49
0.8	5.2	12.31	4.8	23.9	2.67	8.8	12.9	12.31
0.9	4.4	10.89	4.9	4.9	10.28	8.9	16.6	10.98
1.0	2.9	14.13	5.0	0.7	35.81	9.0	16.4	10.49
1.1	2.1	19.47	5.1	25.0	1.08	9.1	13.4	10.98
1.2	2.4	19.57	5.2	41.3	1.81	9.2	16.8	11.57
1.3	3.4	14.39	5.3	37.5	2.20	9.3	20.7	11.46
1.4	2.6	17.14	5.4	39.5	2.19	9.4	24.1	10.28
1.5	3.1	14.08	5.5	29.3	3.26	9.5	27.6	9.36
1.6	2.9	15.28	5.6	86.3	1.53	9.6	28.1	8.31
1.7	2.3	18.57	5.7	125.7	1.65	9.7	27.3	8.75
1.8	2.1	16.59	5.8	113.8	1.98	9.8	21.5	9.51
1.9	0.8	42.83	5.9	88.4	1.95	9.9	16.6	9.39
2.0	0.7	52.57	6.0	88.6	1.69	10.0	16.6	10.51
2.1	0.8	35.66	6.1	85.2	1.76	10.1	21.0	9.15
2.2	0.6	37.92	6.2	77.7	1.76	10.2	22.9	9.00
2.3	6.9	1.73	6.3	67.7	1.85	10.3	22.4	8.99
2.4	7.2	3.48	6.4	55.2	2.00	10.4	16.2	10.82
2.5	8.2	2.72	6.5	57.1	1.73	10.5	13.8	12.46
2.6	9.4	2.30	6.6	60.7	1.91	10.6	13.6	11.10
2.7	7.9	4.85	6.7	101.3	1.73	10.7	8.0	10.91
2.8	2.4	9.13	6.8	96.3	1.91	10.8	5.3	11.71
2.9	2.5	6.13	6.9	58.2	2.11	10.9	6.5	16.50
3.0	7.8	2.35	7.0	56.4	3.00	11.0	10.9	12.17
3.1	0.9	14.86	7.1	20.3	6.44	11.1	12.6	10.77
3.2	1.5	12.15	7.2	16.9	6.53	11.2	13.0	11.07
3.3	6.4	2.64	7.3	13.2	6.41	11.3	14.2	10.11
3.4	27.8	1.17	7.4	10.0	6.85	11.4	13.4	10.92
3.5	27.8	2.07	7.5	8.5	7.86	11.5	11.5	11.13
3.6	29.5	1.94	7.6	7.9	9.53	11.6	11.4	11.82
3.7	39.2	1.98	7.7	6.0	9.29	11.7	10.0	13.18
3.8	48.0	1.91	7.8	6.6	8.99	11.8	11.3	8.96
3.9	52.5	2.01	7.9	11.8	5.92	11.9	9.4	4.51

ELECTRICAL CONE SITE **Wildlife 8Cg**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	8.5	6.39						
12.1	14.0	6.63						
12.2	12.4	8.33						
12.3	26.6	7.22						
12.4	24.7	6.08						
12.5	61.3	1.58						
12.6	72.4	1.80						
12.7	60.4	2.25						
12.8	60.0	2.24						
12.9	54.5	2.70						
13.0	59.6	0.00						

ELECTRICAL CONE SITE **Wildlife 9Cg**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	70.7	1.14	8.0	177.3	0.94
0.1	0.0	0.00	4.1	76.4	1.10	8.1	163.7	1.04
0.2	0.0	0.00	4.2	97.7	1.02	8.2	160.4	1.09
0.3	0.0	0.00	4.3	111.1	0.97	8.3	174.8	1.03
0.4	8.8	2.35	4.4	159.0	0.89	8.4	210.2	1.10
0.5	5.6	3.17	4.5	197.5	0.92	8.5	213.6	1.19
0.6	6.2	2.72	4.6	177.5	1.03	8.6	189.7	1.08
0.7	12.1	1.27	4.7	110.9	1.15	8.7	140.1	1.30
0.8	15.4	1.12	4.8	52.9	2.18	8.8	45.6	3.24
0.9	16.8	1.11	4.9	14.9	2.46	8.9	17.1	4.41
1.0	13.6	0.99	5.0	12.4	2.28	9.0	56.1	1.66
1.1	15.8	0.96	5.1	7.3	2.44	9.1	23.2	3.58
1.2	15.8	0.82	5.2	5.8	2.11	9.2	19.7	2.33
1.3	13.3	1.19	5.3	5.3	2.31	9.3	17.8	2.63
1.4	14.4	1.33	5.4	7.3	1.98	9.4	15.4	3.20
1.5	13.5	1.78	5.5	8.1	1.86	9.5	15.8	3.55
1.6	16.9	1.23	5.6	16.7	1.62	9.6	18.8	3.21
1.7	18.4	1.06	5.7	19.0	1.25	9.7	21.2	3.44
1.8	18.8	1.33	5.8	8.7	3.91	9.8	19.3	3.82
1.9	9.6	1.98	5.9	27.6	1.14	9.9	19.8	4.75
2.0	9.2	2.35	6.0	58.0	0.95	10.0	23.8	3.86
2.1	7.9	2.25	6.1	84.9	1.00	10.1	26.5	4.58
2.2	8.3	2.40	6.2	107.7	1.11	10.2	33.1	3.71
2.3	8.6	3.88	6.3	136.2	1.08	10.3	31.0	3.66
2.4	7.8	3.63	6.4	154.8	1.10	10.4	27.1	3.20
2.5	6.1	4.08	6.5	165.7	1.08	10.5	25.1	3.89
2.6	24.3	0.80	6.6	170.9	1.12	10.6	27.5	4.15
2.7	25.6	1.11	6.7	158.1	1.25	10.7	25.8	4.36
2.8	25.0	1.04	6.8	136.8	1.13	10.8	27.4	4.11
2.9	12.7	2.48	6.9	157.3	1.11	10.9	27.5	4.12
3.0	8.0	3.02	7.0	147.8	1.10	11.0	29.0	4.09
3.1	7.2	3.18	7.1	135.9	1.27	11.1	31.0	3.74
3.2	10.4	3.38	7.2	100.5	1.37	11.2	27.9	3.80
3.3	9.8	3.42	7.3	155.9	0.75	11.3	19.8	4.74
3.4	13.0	2.59	7.4	191.8	0.93	11.4	15.7	3.97
3.5	16.1	1.95	7.5	201.1	1.00	11.5	13.1	3.48
3.6	14.2	2.74	7.6	204.3	0.98	11.6	13.1	3.24
3.7	33.6	0.88	7.7	202.5	0.91	11.7	15.0	3.96
3.8	48.3	0.85	7.8	201.9	0.93	11.8	12.7	2.96
3.9	57.7	0.98	7.9	192.6	0.97	11.9	14.4	3.58

ELECTRICAL CONE SITE **Wildlife 9Cg**

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	18.6	3.79						
12.1	21.9	3.73						
12.2	26.3	3.53						
12.3	26.9	3.64						
12.4	26.5	3.78						
12.5	25.2	3.42						
12.6	28.2	2.89						
12.7	98.6	0.93						
12.8	113.7	1.06						
12.9	120.1	1.13						
13.0	141.7	0.00						

ELECTRICAL CONE SITE **Wildlife 9Cp**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	1.12	4.0	8.0	1.63			
0.1	0.0	1.12	4.1	11.0	1.27			
0.2	0.0	1.12	4.2	15.0	1.13			
0.3	0.0	1.12	4.3	18.0	1.06			
0.4	7.0	4.14	4.4	29.0	0.83			
0.5	7.0	3.86	4.5	53.0	0.68			
0.6	7.0	3.57	4.6	90.0	0.68			
0.7	6.0	3.83	4.7	73.0	1.82			
0.8	5.0	3.80	4.8	17.0	9.18			
0.9	10.0	1.70	4.9	6.0	21.00			
1.0	10.0	2.90	5.0	5.0	13.60			
1.1	7.0	1.86	5.1	2.0	15.50			
1.2	2.0	10.00	5.2	1.0	27.00			
1.3	7.0	4.43	5.3	3.0	9.00			
1.4	11.0	1.82	5.4	3.0	10.33			
1.5	12.0	1.58	5.5	2.0	12.50			
1.6	11.0	1.91	5.6	8.0	3.50			
1.7	14.0	1.64	5.7	7.0	7.00			
1.8	10.0	2.80	5.8	5.0	6.40			
1.9	9.0	6.33	5.9	10.0	5.70			
2.0	5.0	10.60	6.0	71.0	1.15			
2.1	2.0	19.50	6.1	75.0	1.64			
2.2	2.0	11.00	6.2	89.0	2.12			
2.3	1.0	20.00	6.3	110.0	1.93			
2.4	1.0	21.00	6.4	122.0	2.00			
2.5	3.0	17.33	6.5	122.0	2.28			
2.6	5.0	10.60	6.6	113.0	2.62			
2.7	10.0	5.20	6.7	117.0	2.38			
2.8	8.0	5.75	6.8	121.0	2.21			
2.9	4.0	9.50	6.9	120.0	2.38			
3.0	2.0	34.50	7.0	104.0	2.55			
3.1	1.0	31.00	7.1	55.0	4.60			
3.2	2.0	15.00	7.2	55.0	3.16			
3.3	3.0	15.67	7.3	90.0	1.73			
3.4	4.0	13.00	7.4	115.0	0.87			
3.5	12.0	4.08	7.5	120.0	1.78			
3.6	17.0	2.06						
3.7	4.0	11.50						
3.8	5.0	5.00						
3.9	8.0	1.63						

ELECTRICAL CONE SITE **Wildlife 10Cg**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	13.5	3.20	8.0	6.3	3.68
0.1	0.0	0.00	4.1	9.9	3.73	8.1	5.5	3.22
0.2	0.0	0.00	4.2	23.6	2.22	8.2	5.0	3.44
0.3	0.0	0.00	4.3	31.3	1.25	8.3	6.7	2.88
0.4	33.7	4.76	4.4	21.6	1.86	8.4	5.7	4.04
0.5	28.3	3.87	4.5	8.8	2.66	8.5	21.5	2.31
0.6	26.1	4.92	4.6	7.2	2.56	8.6	40.3	0.98
0.7	20.8	4.16	4.7	7.7	2.53	8.7	44.0	1.06
0.8	16.7	3.71	4.8	6.9	3.35	8.8	44.6	1.04
0.9	15.4	3.21	4.9	8.1	2.85	8.9	45.2	1.05
1.0	29.3	2.05	5.0	9.0	3.38	9.0	49.6	0.89
1.1	26.9	2.20	5.1	7.8	2.64	9.1	53.4	1.01
1.2	29.6	1.67	5.2	6.5	3.97	9.2	83.0	0.95
1.3	35.5	1.84	5.3	8.7	3.56	9.3	88.5	0.97
1.4	37.8	1.94	5.4	12.6	3.47	9.4	94.3	1.10
1.5	46.4	1.48	5.5	13.4	2.58	9.5	82.5	1.12
1.6	50.6	1.62	5.6	10.7	3.22	9.6	79.5	0.85
1.7	37.9	2.11	5.7	13.8	3.21	9.7	66.4	0.97
1.8	35.6	2.01	5.8	13.5	2.37	9.8	89.5	0.93
1.9	23.9	2.43	5.9	12.4	3.23	9.9	112.3	0.98
2.0	40.4	1.42	6.0	23.7	2.35	10.0	197.9	0.89
2.1	60.0	1.19	6.1	22.3	2.42	10.1	211.8	1.28
2.2	72.7	1.17	6.2	42.4	1.16	10.2	204.5	1.31
2.3	157.9	0.78	6.3	56.0	0.75	10.3	238.0	1.23
2.4	183.1	1.11	6.4	60.6	0.74	10.4	244.2	1.22
2.5	199.2	1.17	6.5	57.9	0.91	10.5	264.3	1.22
2.6	205.9	1.18	6.6	69.2	1.11	10.6	280.3	1.19
2.7	196.3	1.24	6.7	79.2	1.13	10.7	271.5	1.20
2.8	169.9	1.25	6.8	115.1	1.03	10.8	273.1	1.14
2.9	150.5	1.19	6.9	126.3	1.05	10.9	252.8	1.16
3.0	101.7	1.32	7.0	117.1	1.03	11.0	237.4	1.17
3.1	61.0	1.45	7.1	110.2	1.07	11.1	215.7	1.17
3.2	46.2	1.29	7.2	97.0	1.15	11.2	197.5	1.20
3.3	43.0	1.16	7.3	62.9	1.20	11.3	167.9	1.19
3.4	40.9	1.22	7.4	56.6	0.98	11.4	150.5	1.11
3.5	39.0	1.15	7.5	54.9	1.47	11.5	135.1	1.17
3.6	39.3	1.07	7.6	18.9	3.52	11.6	133.7	1.15
3.7	41.2	1.08	7.7	8.7	2.74	11.7	128.3	1.14
3.8	42.7	0.99	7.8	5.6	2.59	11.8	128.9	1.12
3.9	41.7	1.71	7.9	6.3	2.98	11.9	124.7	1.16

ELECTRICAL CONE SITE **Wildlife 10Cg**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	144.4	1.09						
12.1	165.6	1.12						
12.2	189.1	1.15						
12.3	188.2	1.25						
12.4	179.3	1.22						
12.5	216.9	1.11						
12.6	264.3	1.09						
12.7	273.2	1.09						
12.8	284.3	1.09						
12.9	276.4	1.09						
13.0	273.9	0.00						

ELECTRICAL CONE SITE Vail Canal V1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	9.65	4.0	81.5	0.94	8.0	16.1	5.08
0.1	0.0	9.65	4.1	135.8	0.95	8.1	25.9	4.31
0.2	0.0	9.65	4.2	139.7	1.16	8.2	28.5	3.65
0.3	0.0	9.65	4.3	125.3	1.31	8.3	19.1	5.02
0.4	46.9	1.29	4.4	81.6	1.44	8.4	13.5	4.27
0.5	45.6	1.03	4.5	137.9	0.67	8.5	16.0	5.48
0.6	61.0	1.02	4.6	172.6	0.85	8.6	22.5	5.07
0.7	55.8	1.27	4.7	185.4	0.95	8.7	27.5	4.44
0.8	40.5	1.86	4.8	165.9	1.01	8.8	29.4	4.50
0.9	30.5	1.29	4.9	166.6	0.96	8.9	30.4	4.09
1.0	30.0	1.23	5.0	179.9	0.87	9.0	28.2	3.38
1.1	31.6	1.13	5.1	162.4	1.04	9.1	35.5	2.69
1.2	30.2	1.03	5.2	138.2	0.98	9.2	90.5	0.83
1.3	19.9	1.33	5.3	92.4	1.41	9.3	100.6	0.97
1.4	13.3	1.25	5.4	37.4	2.59	9.4	109.3	1.55
1.5	12.0	0.99	5.5	13.5	2.61	9.5	54.2	2.14
1.6	10.9	1.05	5.6	9.6	1.93	9.6	77.2	0.82
1.7	8.8	1.20	5.7	9.6	5.09	9.7	67.9	1.69
1.8	5.8	0.52	5.8	14.6	4.86	9.8	93.3	1.20
1.9	5.0	2.65	5.9	17.4	4.18	9.9	117.3	0.81
2.0	10.7	1.59	6.0	22.2	3.96	10.0	110.7	0.82
2.1	21.1	1.07	6.1	14.2	4.33	10.1	92.0	1.09
2.2	34.6	1.01	6.2	12.8	4.10	10.2	93.4	1.13
2.3	54.3	0.97	6.3	11.9	2.89	10.3	87.8	1.40
2.4	69.7	0.96	6.4	10.1	3.26	10.4	87.5	1.38
2.5	80.3	0.96	6.5	10.7	3.44	10.5	46.9	3.25
2.6	90.4	0.94	6.6	11.9	3.82	10.6	20.8	3.99
2.7	95.5	0.94	6.7	12.3	3.50	10.7	51.3	1.36
2.8	99.2	0.94	6.8	12.5	3.22	10.8	24.8	3.17
2.9	102.9	0.94	6.9	11.9	3.37	10.9	18.5	3.32
3.0	102.7	0.91	7.0	12.3	3.30	11.0	24.7	2.58
3.1	98.4	0.94	7.1	11.2	3.47	11.1	36.1	2.05
3.2	96.2	0.94	7.2	11.1	3.75	11.2	18.3	3.19
3.3	80.4	1.05	7.3	11.3	3.94	11.3	17.7	3.46
3.4	47.8	2.17	7.4	12.7	2.79	11.4	25.4	2.45
3.5	17.4	2.21	7.5	10.8	2.68	11.5	60.5	0.79
3.6	71.7	0.81	7.6	7.2	3.32	11.6	45.3	1.32
3.7	118.0	0.85	7.7	6.4	4.03	11.7	18.5	2.61
3.8	84.3	1.26	7.8	7.4	5.48	11.8	27.7	2.65
3.9	60.0	1.22	7.9	10.9	5.50	11.9	36.7	1.63

ELECTRICAL CONE SITE Vail Canal V1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	51.0	1.49						
12.1	61.6	1.02						
12.2	74.2	1.14						
12.3	85.9	1.03						
12.4	200.1	0.97						
12.5	284.1	0.98						
12.6	309.9	0.00						
12.7	0.0	0.00						

ELECTRICAL CONE SITE Vail Canal V2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	9.65	4.0	81.7	0.94	8.0	13.6	5.00
0.1	0.0	9.65	4.1	72.3	0.98	8.1	13.8	4.34
0.2	0.0	9.65	4.2	69.1	0.96	8.2	15.4	5.44
0.3	0.0	9.65	4.3	67.1	0.94	8.3	12.2	4.33
0.4	21.0	1.42	4.4	62.9	0.92	8.4	16.0	5.22
0.5	26.5	0.80	4.5	62.8	0.90	8.5	18.2	5.26
0.6	33.1	0.89	4.6	69.1	0.93	8.6	19.0	4.56
0.7	44.6	1.04	4.7	73.6	0.98	8.7	19.1	4.73
0.8	28.3	2.13	4.8	65.1	1.05	8.8	19.2	5.00
0.9	15.3	1.68	4.9	56.6	1.00	8.9	19.7	3.48
1.0	49.7	0.75	5.0	56.2	0.99	9.0	17.7	3.26
1.1	55.8	0.89	5.1	57.7	1.02	9.1	18.1	3.27
1.2	61.6	0.86	5.2	56.1	1.06	9.2	44.2	2.26
1.3	74.4	0.84	5.3	35.6	1.93	9.3	101.3	0.80
1.4	76.7	0.88	5.4	14.1	2.92	9.4	114.1	0.89
1.5	77.6	0.88	5.5	8.7	3.04	9.5	100.1	0.88
1.6	78.6	0.91	5.6	6.4	5.01	9.6	86.1	0.84
1.7	78.1	0.93	5.7	14.3	5.23	9.7	74.2	1.17
1.8	78.3	0.92	5.8	14.8	4.91	9.8	67.3	1.09
1.9	86.6	0.89	5.9	12.7	5.42	9.9	69.4	1.35
2.0	93.6	0.86	6.0	8.6	4.43	10.0	89.4	1.16
2.1	96.6	0.93	6.1	6.9	4.80	10.1	119.4	0.88
2.2	98.5	0.93	6.2	6.6	3.97	10.2	109.8	0.86
2.3	98.5	0.94	6.3	6.1	3.67	10.3	65.8	1.55
2.4	100.4	0.94	6.4	7.5	3.22	10.4	29.9	2.82
2.5	99.1	0.94	6.5	7.5	3.15	10.5	15.8	3.59
2.6	92.0	0.95	6.6	7.0	3.05	10.6	17.6	3.75
2.7	88.3	0.95	6.7	7.4	3.27	10.7	24.4	2.98
2.8	76.8	0.96	6.8	7.4	3.33	10.8	66.7	0.75
2.9	75.9	0.93	6.9	9.1	2.76	10.9	34.1	2.34
3.0	78.6	0.88	7.0	8.4	3.00	11.0	31.5	2.32
3.1	74.7	0.98	7.1	6.9	3.16	11.1	19.2	3.01
3.2	74.6	1.00	7.2	6.7	3.11	11.2	18.8	3.72
3.3	74.6	0.98	7.3	6.7	3.21	11.3	40.7	1.58
3.4	75.8	0.97	7.4	6.8	5.54	11.4	53.7	1.53
3.5	75.5	0.98	7.5	9.2	5.23	11.5	68.9	1.12
3.6	76.1	0.99	7.6	12.1	5.40	11.6	79.6	0.91
3.7	79.4	1.00	7.7	13.6	5.61	11.7	68.2	0.99
3.8	80.3	0.99	7.8	15.2	5.95	11.8	56.3	1.36
3.9	82.4	0.97	7.9	15.4	4.72	11.9	47.6	1.63

ELECTRICAL CONE SITE Vail Canal V2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	48.0	1.61						
12.1	56.1	1.01						
12.2	60.1	1.24						
12.3	68.0	1.12						
12.4	88.8	0.88						
12.5	162.0	0.97						
12.6	243.2	1.09						
12.7	268.6	0.00						
12.8	0.0	0.00						

ELECTRICAL CONE SITE Vail Canal V3

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	9.65	4.0	43.6	1.89	8.0	7.5	5.08
0.1	0.0	9.65	4.1	88.4	0.89	8.1	9.3	5.38
0.2	0.0	9.65	4.2	10.7	5.52	8.2	10.5	5.55
0.3	0.0	9.65	4.3	6.7	4.35	8.3	10.5	4.55
0.4	34.9	1.73	4.4	4.2	7.53	8.4	11.0	4.31
0.5	26.6	3.46	4.5	15.7	4.00	8.5	13.6	3.93
0.6	35.1	2.17	4.6	7.5	4.94	8.6	15.1	3.44
0.7	95.6	1.38	4.7	21.8	2.34	8.7	15.1	4.03
0.8	93.8	1.58	4.8	53.4	2.08	8.8	15.0	4.97
0.9	89.6	1.59	4.9	108.2	1.90	8.9	15.6	4.83
1.0	91.3	1.31	5.0	92.9	2.16	9.0	16.4	4.41
1.1	81.9	1.53	5.1	159.8	1.52	9.1	19.9	4.16
1.2	69.6	1.46	5.2	178.1	1.78	9.2	23.9	4.16
1.3	67.0	1.42	5.3	155.3	1.82	9.3	22.7	3.80
1.4	66.1	1.39	5.4	143.5	1.74	9.4	13.4	2.56
1.5	54.7	1.53	5.5	128.0	1.73	9.5	11.9	2.18
1.6	35.1	1.97	5.6	81.8	2.83	9.6	13.0	2.96
1.7	8.7	5.04	5.7	17.7	6.83	9.7	17.7	3.39
1.8	3.8	3.27	5.8	13.2	4.53	9.8	65.7	1.38
1.9	2.8	8.32	5.9	13.3	7.52	9.9	86.4	0.78
2.0	32.7	1.98	6.0	14.4	7.42	10.0	99.9	1.11
2.1	34.2	2.01	6.1	14.3	8.19	10.1	96.7	1.36
2.2	43.7	1.50	6.2	18.0	7.74	10.2	63.0	2.61
2.3	48.8	1.51	6.3	13.3	7.87	10.3	22.4	4.04
2.4	53.7	1.54	6.4	12.3	8.54	10.4	14.2	3.26
2.5	52.7	1.62	6.5	14.4	9.35	10.5	14.5	4.09
2.6	49.9	1.63	6.6	12.5	8.46	10.6	21.9	3.10
2.7	49.5	1.58	6.7	9.3	9.34	10.7	15.2	4.11
2.8	49.5	1.61	6.8	7.3	10.10	10.8	16.2	4.83
2.9	51.3	1.63	6.9	6.8	9.43	10.9	15.4	3.63
3.0	49.6	1.52	7.0	8.1	7.15	11.0	17.4	3.44
3.1	47.3	1.58	7.1	17.5	3.09	11.1	17.0	3.70
3.2	46.8	1.60	7.2	20.8	3.51	11.2	31.5	1.73
3.3	49.8	1.57	7.3	22.2	3.18	11.3	18.4	3.08
3.4	56.7	1.51	7.4	21.0	2.93	11.4	25.5	2.42
3.5	59.6	1.57	7.5	16.5	3.33	11.5	27.3	2.25
3.6	57.2	1.56	7.6	10.4	3.21	11.6	28.5	1.82
3.7	54.7	1.52	7.7	10.9	3.27	11.7	27.4	2.95
3.8	55.0	1.57	7.8	8.0	2.99	11.8	66.8	1.21
3.9	57.9	1.57	7.9	7.6	4.27	11.9	87.3	0.69

ELECTRICAL CONE SITE Vail Canal V3

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	95.4	1.04						
12.1	78.7	1.27						
12.2	74.0	0.79						
12.3	69.6	0.76						
12.4	65.7	0.82						
12.5	67.5	0.92						
12.6	57.2	1.48						
12.7	76.5	1.25						
12.8	155.4	1.02						
12.9	208.4	1.31						
13.0	224.7	0.00						

ELECTRICAL CONE SITE **Vail Canal V4**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	9.65	4.0	53.1	0.86	8.0	143.1	0.29
0.1	0.0	9.65	4.1	50.4	0.84	8.1	140.4	0.26
0.2	0.0	9.65	4.2	50.9	0.87	8.2	84.6	0.56
0.3	0.0	9.65	4.3	52.7	0.92	8.3	40.5	1.10
0.4	52.1	0.68	4.4	57.8	0.90	8.4	24.2	1.11
0.5	70.7	0.79	4.5	58.9	0.90	8.5	24.2	0.62
0.6	81.4	0.83	4.6	61.6	0.88	8.6	47.1	0.63
0.7	61.7	1.12	4.7	70.5	0.85	8.7	56.7	0.65
0.8	15.9	2.97	4.8	78.6	0.87	8.8	61.5	1.10
0.9	7.5	1.76	4.9	79.9	0.83	8.9	80.8	1.28
1.0	6.0	2.38	5.0	77.3	0.86	9.0	81.2	1.28
1.1	5.5	2.21	5.1	75.4	0.88	9.1	63.4	2.18
1.2	10.3	1.40	5.2	72.7	0.88	9.2	53.1	2.41
1.3	21.1	1.16	5.3	75.6	0.90	9.3	60.2	1.61
1.4	11.7	2.17	5.4	70.2	0.93	9.4	60.5	0.89
1.5	35.5	0.92	5.5	63.9	0.93	9.5	58.2	1.05
1.6	52.5	0.82	5.6	38.7	1.71	9.6	56.9	0.91
1.7	63.3	0.93	5.7	11.9	2.69	9.7	55.3	0.90
1.8	62.9	1.01	5.8	6.7	1.98	9.8	47.2	1.55
1.9	90.4	0.82	5.9	5.4	1.70	9.9	16.3	3.56
2.0	91.7	0.94	6.0	4.5	2.02	10.0	99.0	0.87
2.1	90.5	0.94	6.1	3.3	2.48	10.1	74.6	1.11
2.2	88.4	0.92	6.2	4.7	1.54	10.2	54.9	1.19
2.3	90.8	0.89	6.3	3.7	2.92	10.3	66.2	0.64
2.4	95.3	0.89	6.4	6.8	2.12	10.4	70.3	0.84
2.5	93.8	0.89	6.5	6.8	3.43	10.5	74.1	0.90
2.6	94.4	0.89	6.6	12.9	1.50	10.6	93.7	0.56
2.7	92.1	0.89	6.7	31.8	1.13	10.7	37.7	1.50
2.8	82.7	0.92	6.8	28.7	1.38	10.8	74.3	1.20
2.9	79.8	0.85	6.9	39.4	1.21	10.9	86.3	0.67
3.0	81.1	0.92	7.0	40.5	1.02	11.0	92.1	1.00
3.1	77.6	0.91	7.1	37.4	0.22	11.1	93.8	1.24
3.2	73.8	0.86	7.2	29.0	0.24	11.2	89.5	1.26
3.3	69.7	0.86	7.3	16.7	0.65	11.3	78.9	1.17
3.4	70.2	0.82	7.4	44.1	0.33	11.4	83.8	0.92
3.5	70.8	0.86	7.5	30.2	0.78	11.5	84.6	1.03
3.6	59.1	0.93	7.6	18.2	1.08	11.6	115.4	1.11
3.7	54.5	0.87	7.7	21.4	1.67	11.7	109.5	0.97
3.8	55.5	0.86	7.8	20.1	1.95	11.8	101.3	0.95
3.9	54.9	0.82	7.9	92.1	0.51	11.9	98.6	0.61

ELECTRICAL CONE SITE **Vail Canal V4**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	104.2	0.96						
12.1	112.4	1.11						
12.2	112.5	0.89						
12.3	117.4	0.83						
12.4	126.9	0.66						
12.5	145.0	0.71						
12.6	147.1	1.34						
12.7	174.6	1.26						
12.8	201.0	1.32						
12.9	170.8	0.00						

ELECTRICAL CONE SITE Vail Canal V5

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	57.3	0.93	8.0	14.2	5.37
0.1	0.0	0.00	4.1	61.7	0.95	8.1	15.4	5.68
0.2	0.0	0.00	4.2	68.6	0.98	8.2	15.6	5.62
0.3	0.0	0.00	4.3	79.2	0.97	8.3	15.2	5.03
0.4	30.2	1.03	4.4	83.4	0.96	8.4	12.0	4.36
0.5	31.3	0.93	4.5	83.5	1.01	8.5	15.2	4.58
0.6	28.0	1.04	4.6	76.8	0.97	8.6	15.0	5.10
0.7	33.2	0.92	4.7	87.3	0.97	8.7	8.5	4.11
0.8	50.6	0.87	4.8	85.5	0.98	8.8	6.3	5.33
0.9	49.7	1.60	4.9	76.6	0.94	8.9	6.1	4.61
1.0	13.2	3.03	5.0	71.1	0.98	9.0	7.0	5.26
1.1	21.2	1.10	5.1	24.8	3.07	9.1	7.8	5.58
1.2	58.7	0.80	5.2	11.7	3.91	9.2	8.6	4.64
1.3	44.8	1.13	5.3	8.2	3.10	9.3	8.2	5.35
1.4	32.9	1.21	5.4	12.3	1.91	9.4	7.4	4.14
1.5	26.2	1.11	5.5	64.3	1.02	9.5	6.3	6.10
1.6	31.3	0.76	5.6	134.1	1.10	9.6	6.8	5.61
1.7	58.7	0.87	5.7	158.6	1.16	9.7	6.1	5.52
1.8	59.8	0.90	5.8	174.4	1.22	9.8	4.0	4.49
1.9	48.6	1.01	5.9	175.9	1.18	9.9	4.0	8.39
2.0	47.6	0.93	6.0	190.6	1.03	10.0	30.2	1.58
2.1	51.5	0.94	6.1	188.3	1.04	10.1	20.6	2.71
2.2	60.6	0.87	6.2	199.3	0.98	10.2	26.4	3.68
2.3	53.9	0.92	6.3	223.3	0.96	10.3	26.8	4.56
2.4	28.6	1.71	6.4	212.3	0.94	10.4	28.2	4.13
2.5	8.7	2.92	6.5	200.3	0.93	10.5	27.7	4.19
2.6	1.7	2.74	6.6	169.2	0.95	10.6	23.7	4.53
2.7	0.9	5.93	6.7	80.7	2.37	10.7	14.1	4.80
2.8	4.8	1.93	6.8	31.4	3.79	10.8	13.9	4.05
2.9	21.7	1.08	6.9	24.1	3.98	10.9	12.7	4.59
3.0	44.8	1.08	7.0	23.0	4.13	11.0	16.6	4.54
3.1	57.4	1.01	7.1	23.5	4.23	11.1	13.6	3.16
3.2	57.3	0.99	7.2	23.1	3.88	11.2	11.8	3.22
3.3	70.3	0.95	7.3	16.7	4.14	11.3	12.0	4.11
3.4	67.4	0.97	7.4	13.3	4.69	11.4	20.1	2.60
3.5	66.5	0.99	7.5	10.8	5.02	11.5	18.6	3.50
3.6	56.7	1.00	7.6	9.1	4.04	11.6	19.2	3.03
3.7	46.8	1.06	7.7	11.8	3.05	11.7	19.7	2.59
3.8	45.8	1.00	7.8	9.9	4.14	11.8	19.0	2.54
3.9	50.1	0.97	7.9	8.8	6.00	11.9	19.7	2.83

ELECTRICAL CONE SITE Vail Canal V5

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	48.1	1.09	16.0	17.7	2.41			
12.1	55.1	0.98	16.1	14.5	2.35			
12.2	54.4	0.78	16.2	19.2	3.34			
12.3	51.7	0.89	16.3	40.2	1.67			
12.4	50.1	1.12	16.4	50.2	1.15			
12.5	56.2	1.11	16.5	49.6	0.00			
12.6	56.1	1.08						
12.7	34.1	2.29						
12.8	16.0	3.57						
12.9	13.9	4.31						
13.0	14.8	5.79						
13.1	23.1	5.05						
13.2	26.8	4.57						
13.3	28.8	4.27						
13.4	28.1	3.79						
13.5	19.6	3.46						
13.6	18.3	3.82						
13.7	15.9	4.91						
13.8	21.2	3.96						
13.9	12.2	3.65						
14.0	16.2	5.28						
14.1	20.3	4.84						
14.2	27.9	3.92						
14.3	29.9	4.62						
14.4	25.3	4.75						
14.5	17.2	3.54						
14.6	14.3	2.96						
14.7	24.3	4.19						
14.8	26.4	4.49						
14.9	22.9	2.98						
15.0	15.7	1.94						
15.1	13.3	1.72						
15.2	11.8	1.82						
15.3	11.7	2.11						
15.4	11.4	2.51						
15.5	9.2	2.66						
15.6	8.0	2.58						
15.7	11.6	2.90						
15.8	23.9	3.00						
15.9	22.2	2.76						

ELECTRICAL CONE SITE Vail Canal TV2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.96	4.0	71.7	0.75	8.0	7.0	2.74
0.1	0.0	0.96	4.1	73.5	0.77	8.1	5.7	4.04
0.2	0.0	0.96	4.2	73.5	0.77	8.2	5.7	5.04
0.3	0.0	0.96	4.3	74.3	0.78	8.3	5.7	7.21
0.4	20.8	0.73	4.4	79.8	0.75	8.4	7.5	7.75
0.5	20.2	0.62	4.5	82.0	0.78	8.5	9.3	7.89
0.6	29.2	0.50	4.6	80.6	0.81	8.6	9.3	8.65
0.7	39.2	0.57	4.7	83.4	0.80	8.7	11.8	8.14
0.8	52.9	0.62	4.8	81.1	0.82	8.8	11.8	7.26
0.9	68.2	0.60	4.9	76.9	0.70	8.9	14.0	7.96
1.0	76.5	0.72	5.0	72.7	0.76	9.0	19.1	5.86
1.1	67.4	1.02	5.1	72.7	0.79			
1.2	45.4	1.55	5.2	71.2	0.76			
1.3	50.3	1.09	5.3	75.1	0.75			
1.4	72.0	0.70	5.4	81.4	0.78			
1.5	50.1	0.81	5.5	76.4	0.81			
1.6	71.5	0.82	5.6	75.2	0.79			
1.7	50.2	1.20	5.7	78.8	0.78			
1.8	24.9	2.41	5.8	75.3	0.80			
1.9	7.9	3.44	5.9	71.3	0.69			
2.0	39.5	0.65	6.0	65.0	0.79			
2.1	46.5	0.70	6.1	30.6	2.01			
2.2	58.2	0.68	6.2	10.6	4.26			
2.3	68.8	0.67	6.3	10.6	3.80			
2.4	73.9	0.67	6.4	11.9	2.13			
2.5	73.9	0.67	6.5	11.9	1.79			
2.6	76.3	0.68	6.6	6.8	3.13			
2.7	76.6	0.70	6.7	4.3	7.14			
2.8	77.3	0.74	6.8	7.7	7.00			
2.9	75.5	0.69	6.9	8.3	6.16			
3.0	78.7	0.79	7.0	7.2	5.53			
3.1	79.9	0.77	7.1	5.6	5.77			
3.2	73.6	0.79	7.2	5.6	5.77			
3.3	72.0	0.78	7.3	5.6	6.13			
3.4	69.7	0.76	7.4	5.6	5.75			
3.5	71.6	0.74	7.5	4.3	7.28			
3.6	76.3	0.75	7.6	4.3	6.67			
3.7	79.1	0.75	7.7	4.3	6.67			
3.8	83.2	0.78	7.8	4.3	6.67			
3.9	74.2	0.73	7.9	5.2	4.92			

ELECTRICAL CONE SITE Kornbloom Road K1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	2.01	4.0	11.3	1.11	8.0	18.5	3.46
0.1	0.0	2.01	4.1	16.1	0.96	8.1	17.0	3.37
0.2	0.0	2.01	4.2	26.1	0.77	8.2	14.1	3.49
0.3	0.0	2.01	4.3	16.2	1.29	8.3	14.8	1.55
0.4	21.2	1.59	4.4	5.8	2.29	8.4	16.7	1.30
0.5	19.9	3.27	4.5	5.9	1.81	8.5	10.3	2.27
0.6	39.2	2.05	4.6	12.2	1.65	8.6	8.8	2.90
0.7	28.2	4.07	4.7	15.5	0.75	8.7	10.3	2.71
0.8	17.1	4.99	4.8	15.7	1.07	8.8	10.3	2.75
0.9	15.8	4.22	4.9	13.0	1.31	8.9	13.5	2.20
1.0	13.1	3.49	5.0	10.8	1.04	9.0	16.2	2.51
1.1	10.6	3.62	5.1	11.8	1.89	9.1	15.6	1.53
1.2	10.2	3.83	5.2	8.3	2.33	9.2	10.0	1.80
1.3	15.2	1.99	5.3	15.0	2.23	9.3	13.5	1.70
1.4	14.6	2.20	5.4	58.2	0.59	9.4	15.0	1.62
1.5	17.3	1.15	5.5	48.8	1.14	9.5	12.1	1.93
1.6	22.3	1.11	5.6	37.9	1.17	9.6	18.8	1.37
1.7	13.7	1.79	5.7	26.3	1.74	9.7	15.4	2.46
1.8	13.6	1.24	5.8	20.4	1.79	9.8	23.4	1.87
1.9	15.1	1.08	5.9	17.3	1.07	9.9	21.2	2.31
2.0	30.4	0.66	6.0	29.9	0.97	10.0	42.0	0.96
2.1	25.3	1.24	6.1	28.9	1.47	10.1	35.8	1.43
2.2	17.1	1.65	6.2	7.7	3.42	10.2	15.9	1.61
2.3	16.7	0.90	6.3	30.0	0.72	10.3	9.3	1.49
2.4	10.0	1.64	6.4	32.3	1.19	10.4	8.9	1.34
2.5	13.4	1.19	6.5	18.1	3.23	10.5	7.8	1.44
2.6	12.7	1.65	6.6	14.0	3.25	10.6	13.9	2.16
2.7	23.0	0.95	6.7	14.7	3.41	10.7	83.2	0.83
2.8	22.8	1.11	6.8	18.4	3.67	10.8	98.4	0.99
2.9	21.2	1.28	6.9	21.1	3.54	10.9	81.9	1.22
3.0	17.0	1.00	7.0	15.5	4.11	11.0	77.6	0.76
3.1	7.1	2.32	7.1	17.5	4.68	11.1	95.1	0.87
3.2	4.0	1.47	7.2	20.5	4.72	11.2	96.5	1.18
3.3	5.8	1.67	7.3	19.6	4.81	11.3	93.5	1.20
3.4	8.7	1.39	7.4	20.7	4.89	11.4	85.5	1.18
3.5	4.7	3.35	7.5	20.7	4.70	11.5	84.0	0.86
3.6	15.9	0.83	7.6	18.9	5.10	11.6	79.8	1.11
3.7	12.3	1.12	7.7	18.1	4.62	11.7	77.8	0.86
3.8	11.9	0.99	7.8	16.4	4.16	11.8	75.1	0.90
3.9	7.6	2.15	7.9	18.8	3.97	11.9	80.9	0.86

ELECTRICAL CONE SITE Kornbloom Road K1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	98.4	0.86	16.0	26.7	2.18			
12.1	103.6	1.25	16.1	18.3	1.96			
12.2	111.6	0.85	16.2	14.7	2.24			
12.3	132.0	0.91	16.3	18.8	1.52			
12.4	125.4	1.04	16.4	14.5	2.60			
12.5	62.1	2.41	16.5	43.5	1.29			
12.6	19.5	3.13	16.6	43.9	1.78			
12.7	13.9	2.11	16.7	51.5	1.34			
12.8	13.1	2.35	16.8	66.6	0.90			
12.9	12.9	3.95	16.9	62.5	0.97			
13.0	26.6	4.57	17.0	72.3	1.31			
13.1	24.0	4.74	17.1	67.0	1.96			
13.2	20.1	4.21	17.2	29.6	3.21			
13.3	15.2	2.83	17.3	16.6	2.42			
13.4	17.9	2.12	17.4	16.3	2.25			
13.5	16.4	2.49	17.5	13.5	2.85			
13.6	21.9	1.93	17.6	14.7	5.66			
13.7	47.3	0.75	17.7	36.0	3.04			
13.8	43.7	1.42	17.8	31.1	4.35			
13.9	19.2	2.65	17.9	32.6	4.00			
14.0	13.1	2.50	18.0	44.6	3.34			
14.1	15.8	3.33	18.1	83.4	0.00			
14.2	39.7	1.63						
14.3	53.4	0.97						
14.4	56.8	0.88						
14.5	51.9	1.28						
14.6	36.9	1.99						
14.7	23.7	2.58						
14.8	35.7	1.81						
14.9	27.6	1.98						
15.0	19.0	2.65						
15.1	19.7	1.82						
15.2	15.9	3.07						
15.3	32.5	1.22						
15.4	19.2	2.33						
15.5	16.0	1.90						
15.6	15.3	1.64						
15.7	13.7	1.66						
15.8	18.6	2.13						
15.9	25.5	2.01						

ELECTRICAL CONE SITE Kornbloom Road K2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	2.01	4.0	9.7	3.91	8.0	15.9	6.29
0.1	0.0	2.01	4.1	14.5	2.16	8.1	15.4	4.41
0.2	0.0	2.01	4.2	22.4	1.00	8.2	13.0	3.79
0.3	0.0	2.01	4.3	7.2	3.46	8.3	9.4	3.09
0.4	54.9	4.27	4.4	14.8	1.44	8.4	5.9	3.40
0.5	52.9	4.41	4.5	12.8	2.33	8.5	5.2	3.63
0.6	37.7	5.68	4.6	10.6	2.60	8.6	5.0	4.44
0.7	27.2	4.89	4.7	21.2	1.20	8.7	13.6	2.96
0.8	22.7	2.34	4.8	53.6	1.34	8.8	30.4	1.99
0.9	17.1	4.72	4.9	31.0	2.49	8.9	15.1	2.65
1.0	13.0	7.01	5.0	19.2	2.57	9.0	11.2	4.51
1.1	11.2	7.15	5.1	18.1	2.27	9.1	28.3	1.55
1.2	10.3	7.30	5.2	8.6	6.39	9.2	9.1	3.70
1.3	9.6	7.68	5.3	15.4	2.47	9.3	8.9	3.41
1.4	10.7	8.37	5.4	21.4	1.94	9.4	12.8	3.06
1.5	13.2	4.10	5.5	46.0	0.85	9.5	17.4	2.39
1.6	20.8	2.21	5.6	62.7	1.17	9.6	11.5	2.83
1.7	24.3	2.37	5.7	77.9	1.56	9.7	11.7	5.36
1.8	12.4	4.85	5.8	75.7	1.70	9.8	29.6	3.80
1.9	18.1	2.47	5.9	62.9	1.79	9.9	22.3	2.86
2.0	22.1	1.49	6.0	51.8	1.84	10.0	9.9	2.42
2.1	33.3	1.58	6.1	43.7	2.00	10.1	7.9	2.85
2.2	23.4	2.33	6.2	39.6	1.44	10.2	6.3	3.70
2.3	28.8	0.98	6.3	43.9	2.16	10.3	6.4	5.55
2.4	33.8	1.77	6.4	15.4	5.20	10.4	45.6	1.32
2.5	42.6	1.87	6.5	6.6	3.72	10.5	51.8	2.09
2.6	24.4	2.60	6.6	8.7	8.77	10.6	58.2	1.80
2.7	31.7	1.24	6.7	11.7	8.45	10.7	65.1	1.38
2.8	25.8	2.03	6.8	10.8	6.43	10.8	68.0	1.40
2.9	25.2	2.41	6.9	7.7	5.75	10.9	84.9	1.15
3.0	29.8	1.80	7.0	8.8	9.35	11.0	83.4	1.32
3.1	38.7	1.97	7.1	12.2	8.66	11.1	76.1	1.40
3.2	24.0	2.74	7.2	12.4	8.78	11.2	80.2	1.02
3.3	8.3	4.68	7.3	12.5	9.40	11.3	81.1	1.00
3.4	5.0	2.08	7.4	9.5	8.01	11.4	75.4	0.96
3.5	3.9	2.54	7.5	6.7	6.64	11.5	67.7	1.40
3.6	3.7	3.93	7.6	5.6	6.90	11.6	69.0	1.14
3.7	8.1	2.21	7.7	9.2	9.31	11.7	65.1	1.31
3.8	8.7	2.52	7.8	13.7	7.95	11.8	64.8	0.94
3.9	13.4	1.89	7.9	15.9	6.80	11.9	56.7	1.42

ELECTRICAL CONE SITE Kornbloom Road K2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	59.0	1.11						
12.1	58.9	1.18						
12.2	40.4	1.64						
12.3	11.9	3.47						
12.4	8.8	2.47						
12.5	6.7	2.10						
12.6	6.4	2.36						
12.7	9.0	6.70						
12.8	19.1	5.98						
12.9	23.3	6.59						
13.0	26.4	6.11						
13.1	28.2	6.63						
13.2	23.4	0.00						

ELECTRICAL CONE SITE Kornbloom Road K3

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	9.6	2.56	8.0	8.2	6.21
0.1	0.0	0.00	4.1	6.5	3.67	8.1	6.0	5.49
0.2	0.0	0.00	4.2	2.9	4.75	8.2	4.6	6.01
0.3	0.0	0.00	4.3	5.4	2.90	8.3	4.3	6.54
0.4	30.3	3.14	4.4	15.9	1.08	8.4	3.3	7.51
0.5	44.8	5.87	4.5	15.0	2.67	8.5	3.1	9.72
0.6	46.6	6.37	4.6	7.8	4.46	8.6	8.1	8.60
0.7	25.4	7.41	4.7	7.8	2.15	8.7	19.2	2.93
0.8	20.7	6.50	4.8	3.5	3.47	8.8	45.9	0.94
0.9	13.9	5.87	4.9	3.2	4.36	8.9	25.6	4.33
1.0	9.1	5.38	5.0	15.4	3.24	9.0	42.7	1.77
1.1	9.4	8.00	5.1	14.4	2.13	9.1	59.7	1.06
1.2	23.7	4.88	5.2	23.5	1.73	9.2	59.7	1.33
1.3	30.5	2.69	5.3	12.3	3.95	9.3	54.3	1.34
1.4	28.1	2.10	5.4	49.3	1.13	9.4	37.3	2.54
1.5	19.9	3.05	5.5	55.3	1.85	9.5	18.8	4.99
1.6	19.4	2.35	5.6	59.6	1.98	9.6	26.1	3.33
1.7	13.2	4.44	5.7	75.9	1.66	9.7	44.8	1.83
1.8	14.4	3.56	5.8	65.5	2.00	9.8	22.4	2.01
1.9	52.0	1.56	5.9	24.2	4.86	9.9	15.1	1.75
2.0	49.2	1.95	6.0	10.2	7.56	10.0	6.7	12.02
2.1	22.4	3.50	6.1	12.1	6.31	10.1	115.2	1.73
2.2	11.9	3.38	6.2	7.0	9.54	10.2	81.3	2.61
2.3	13.6	2.40	6.3	9.7	11.33	10.3	58.4	2.60
2.4	19.1	1.47	6.4	15.2	9.17	10.4	44.5	3.04
2.5	21.1	1.77	6.5	14.5	7.93	10.5	33.0	4.46
2.6	38.7	1.56	6.6	12.0	8.37	10.6	31.9	4.24
2.7	35.6	2.31	6.7	11.4	8.44	10.7	34.3	2.77
2.8	26.2	2.31	6.8	10.4	10.12	10.8	40.6	1.81
2.9	24.3	2.21	6.9	8.1	9.24	10.9	43.3	1.77
3.0	21.1	3.30	7.0	6.9	10.05	11.0	57.4	1.17
3.1	7.7	5.85	7.1	8.5	12.31	11.1	66.7	1.18
3.2	7.9	8.37	7.2	11.4	11.42	11.2	72.5	1.32
3.3	16.0	4.91	7.3	13.1	9.35	11.3	73.9	1.00
3.4	16.0	2.92	7.4	18.0	7.89	11.4	60.5	2.32
3.5	11.2	2.97	7.5	19.5	7.45	11.5	66.0	1.77
3.6	13.3	1.39	7.6	18.9	7.68	11.6	74.8	1.68
3.7	14.6	1.25	7.7	18.1	7.66	11.7	95.5	1.26
3.8	16.0	1.83	7.8	17.7	8.06	11.8	105.3	1.88
3.9	12.1	3.21	7.9	16.4	7.47	11.9	94.4	1.88

ELECTRICAL CONE SITE Kornbloom Road K3

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	74.4	1.78	16.0	7.8	2.83			
12.1	28.7	4.75	16.1	5.7	4.26			
12.2	14.5	4.75	16.2	7.6	3.79			
12.3	15.6	5.85	16.3	9.2	2.88			
12.4	19.6	5.75	16.4	8.7	2.33			
12.5	21.6	6.03	16.5	7.0	2.84			
12.6	23.2	6.19	16.6	6.2	3.73			
12.7	23.1	6.49	16.7	6.8	3.94			
12.8	16.9	8.73	16.8	11.4	2.64			
12.9	14.5	6.53	16.9	10.6	2.24			
13.0	13.9	6.93	17.0	8.3	2.39			
13.1	40.7	2.37	17.1	7.6	2.46			
13.2	26.0	3.54	17.2	7.2	3.04			
13.3	16.2	4.85	17.3	7.0	5.22			
13.4	15.1	3.85	17.4	21.1	3.41			
13.5	15.2	4.30	17.5	20.9	3.22			
13.6	31.1	2.05	17.6	13.8	4.84			
13.7	43.1	1.80	17.7	15.3	3.71			
13.8	23.9	4.57	17.8	13.9	3.67			
13.9	42.1	1.80	17.9	13.3	6.58			
14.0	48.9	2.09	18.0	10.3	6.78			
14.1	79.9	1.20	18.1	9.4	0.00			
14.2	73.7	2.09						
14.3	36.9	3.59						
14.4	12.8	5.58						
14.5	10.7	3.19						
14.6	9.4	4.38						
14.7	11.2	3.60						
14.8	10.6	5.28						
14.9	28.0	2.79						
15.0	57.5	1.32						
15.1	21.0	5.04						
15.2	11.3	3.63						
15.3	8.3	4.71						
15.4	14.9	3.48						
15.5	16.7	3.22						
15.6	9.6	5.00						
15.7	13.8	3.64						
15.8	10.0	4.00						
15.9	10.5	2.76						

ELECTRICAL CONE SITE Kornbloom Road K4

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	2.76	4.0	3.3	5.51	8.0	12.0	9.11
0.1	0.0	2.76	4.1	7.1	2.89	8.1	5.8	9.59
0.2	0.0	2.76	4.2	8.2	4.72	8.2	6.3	8.23
0.3	0.0	2.76	4.3	14.8	1.27	8.3	7.1	4.53
0.4	23.1	3.94	4.4	9.9	2.93	8.4	6.4	3.12
0.5	26.5	5.77	4.5	10.5	2.35	8.5	9.0	2.75
0.6	51.7	5.89	4.6	32.3	1.63	8.6	9.0	2.18
0.7	33.6	7.21	4.7	33.8	1.96	8.7	6.3	3.82
0.8	20.2	9.30	4.8	27.6	2.06	8.8	5.8	3.88
0.9	17.3	8.73	4.9	22.7	3.02	8.9	6.3	3.67
1.0	14.7	8.22	5.0	16.2	2.54	9.0	8.8	3.00
1.1	12.7	8.56	5.1	27.2	1.77	9.1	6.8	3.18
1.2	25.8	3.81	5.2	23.0	2.30	9.2	6.1	3.19
1.3	61.2	1.41	5.3	63.8	1.62	9.3	6.6	3.44
1.4	42.0	2.13	5.4	54.7	1.96	9.4	6.3	6.51
1.5	25.0	2.40	5.5	45.9	1.94	9.5	19.6	3.11
1.6	18.5	2.70	5.6	48.7	1.72	9.6	21.7	3.54
1.7	12.7	4.76	5.7	19.9	4.22	9.7	35.3	2.01
1.8	22.6	1.91	5.8	9.9	4.57	9.8	40.2	1.94
1.9	46.0	1.89	5.9	6.8	5.06	9.9	25.7	2.07
2.0	40.4	2.00	6.0	8.3	6.27	10.0	8.2	4.19
2.1	39.3	1.96	6.1	9.7	5.64	10.1	10.6	3.34
2.2	41.1	1.91	6.2	6.5	8.32	10.2	12.5	2.32
2.3	27.9	2.58	6.3	12.0	8.73	10.3	5.1	2.95
2.4	20.9	2.64	6.4	11.9	7.50	10.4	10.7	3.83
2.5	19.8	2.07	6.5	8.6	8.67	10.5	131.7	1.34
2.6	14.6	2.92	6.6	8.9	11.29	10.6	117.2	2.09
2.7	28.0	1.49	6.7	9.2	7.60	10.7	115.6	1.82
2.8	24.1	2.34	6.8	6.8	8.23	10.8	124.8	1.84
2.9	20.5	2.70	6.9	12.6	9.47	10.9	97.6	2.34
3.0	20.3	2.49	7.0	12.4	10.02	11.0	77.6	1.59
3.1	22.4	2.51	7.1	8.4	9.24	11.1	83.1	1.54
3.2	15.0	2.96	7.2	4.7	7.49	11.2	100.8	1.68
3.3	15.9	1.44	7.3	4.3	9.14	11.3	143.8	1.96
3.4	15.6	1.85	7.4	4.0	11.32	11.4	179.8	1.86
3.5	17.2	1.45	7.5	4.0	9.89	11.5	193.9	2.02
3.6	17.7	1.74	7.6	5.5	10.51	11.6	187.1	2.06
3.7	17.7	1.93	7.7	10.0	10.99	11.7	152.8	2.03
3.8	14.8	2.08	7.8	12.1	10.42	11.8	103.7	2.09
3.9	7.9	3.29	7.9	13.2	8.76	11.9	67.3	2.68

ELECTRICAL CONE SITE Kornbloom Road K4

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	28.9	4.72			
12.1	16.9	5.25			
12.2	16.9	5.35			
12.3	20.9	6.83			
12.4	23.7	6.51			
12.5	16.8	7.14			
12.6	21.8	7.95			
12.7	20.4	7.28			
12.8	14.5	8.58			
12.9	25.6	4.03			
13.0	34.1	3.59			
13.1	34.6	0.00			

ELECTRICAL CONE SITE Kornbloom Road TK4

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.73	4.0	12.7	2.43	8.0	22.9	5.43
0.1	0.0	0.73	4.1	9.3	2.78			
0.2	0.0	0.73	4.2	6.5	3.58			
0.3	0.0	0.73	4.3	5.8	4.79			
0.4	46.6	4.50	4.4	11.9	1.83			
0.5	31.7	6.61	4.5	7.3	3.78			
0.6	22.5	5.96	4.6	11.1	2.21			
0.7	24.0	4.91	4.7	7.2	4.50			
0.8	20.9	4.19	4.8	24.9	1.03			
0.9	8.4	7.04	4.9	31.0	1.18			
1.0	8.4	6.29	5.0	40.2	0.87			
1.1	9.9	5.89	5.1	50.5	1.05			
1.2	16.6	3.02	5.2	35.1	2.12			
1.3	21.2	2.13	5.3	60.5	0.91			
1.4	23.7	1.59	5.4	75.1	1.00			
1.5	15.2	2.64	5.5	64.0	1.17			
1.6	9.4	3.78	5.6	54.2	1.06			
1.7	21.4	1.77	5.7	62.9	1.01			
1.8	11.1	4.27	5.8	24.1	2.14			
1.9	23.6	1.50	5.9	10.7	4.68			
2.0	33.0	1.12	6.0	22.5	1.24			
2.1	23.9	1.38	6.1	8.6	3.97			
2.2	22.2	1.43	6.2	13.9	4.14			
2.3	29.4	1.26	6.3	16.2	4.59			
2.4	32.8	1.20	6.4	15.2	4.89			
2.5	30.7	1.29	6.5	13.6	6.46			
2.6	25.6	1.45	6.6	14.1	7.32			
2.7	26.2	1.31	6.7	17.3	6.38			
2.8	34.0	1.31	6.8	17.5	5.07			
2.9	30.6	1.12	6.9	12.5	6.88			
3.0	27.3	1.16	7.0	13.9	6.79			
3.1	25.7	1.14	7.1	13.9	7.07			
3.2	22.4	1.13	7.2	14.8	6.97			
3.3	19.3	1.30	7.3	17.9	6.40			
3.4	17.2	1.16	7.4	17.9	6.27			
3.5	14.0	1.51	7.5	19.8	6.02			
3.6	14.0	1.62	7.6	21.5	5.64			
3.7	22.0	2.08	7.7	21.0	5.87			
3.8	22.7	1.45	7.8	21.0	5.64			
3.9	31.1	0.69	7.9	22.9	5.45			

ELECTRICAL CONE SITE Kornbloom Road SK4-5

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	1.68	4.0	6.9	3.35	8.0	8.5	8.16
0.1	0.0	1.68	4.1	3.0	12.63	8.1	7.0	5.76
0.2	0.0	1.68	4.2	11.3	3.91	8.2	4.9	11.18
0.3	0.0	1.68	4.3	15.4	3.23	8.3	5.5	10.44
0.4	29.9	5.89	4.4	25.0	1.47	8.4	5.8	9.90
0.5	22.7	5.82	4.5	28.2	1.15	8.5	6.1	9.41
0.6	14.1	6.67	4.6	25.9	1.54	8.6	9.0	5.98
0.7	9.1	7.41	4.7	21.9	2.02	8.7	5.7	7.77
0.8	7.9	8.82	4.8	18.3	2.95	8.8	14.4	4.80
0.9	7.9	10.13	4.9	18.8	2.34	8.9	22.7	2.87
1.0	7.7	9.60	5.0	30.4	1.68	9.0	17.1	4.34
1.1	6.7	8.73	5.1	29.3	1.44	9.1	12.0	5.22
1.2	20.0	3.39	5.2	24.3	2.44	9.2	8.5	4.98
1.3	20.9	2.11	5.3	23.6	1.76	9.3	5.7	8.42
1.4	28.5	1.30	5.4	28.3	1.56	9.4	23.2	2.40
1.5	17.9	2.36	5.5	29.4	1.71	9.5	49.9	1.39
1.6	16.0	1.42	5.6	37.4	1.50	9.6	61.5	1.32
1.7	15.7	1.93	5.7	12.1	5.42	9.7	63.1	1.55
1.8	13.9	2.34	5.8	5.7	12.33	9.8	62.7	1.80
1.9	9.4	3.65	5.9	18.1	2.92	9.9	61.5	1.69
2.0	6.8	4.78	6.0	14.3	3.97	10.0	54.3	1.81
2.1	9.4	1.97	6.1	5.5	8.35	10.1	52.4	1.32
2.2	17.7	1.59	6.2	6.5	13.58	10.2	51.0	1.45
2.3	20.1	1.58	6.3	15.0	11.51	10.3	48.0	1.65
2.4	26.5	1.12	6.4	15.3	11.42	10.4	46.7	1.42
2.5	25.4	1.76	6.5	14.5	11.12	10.5	46.7	1.42
2.6	19.9	2.12	6.6	14.5	10.06	10.6	49.7	1.29
2.7	22.4	1.23	6.7	14.3	8.78	10.7	53.2	1.39
2.8	25.0	1.77	6.8	11.0	10.02	10.8	58.0	1.53
2.9	15.1	2.62	6.9	10.0	10.88	10.9	72.9	1.62
3.0	10.6	2.55	7.0	11.0	10.06	11.0	79.8	1.92
3.1	9.2	2.79	7.1	13.0	9.52	11.1	96.4	2.03
3.2	12.7	1.95	7.2	13.0	9.88	11.2	87.1	2.09
3.3	10.4	2.86	7.3	13.0	9.83	11.3	92.3	2.11
3.4	10.4	1.96	7.4	14.4	8.88	11.4	46.5	4.73
3.5	8.3	3.89	7.5	14.2	9.35	11.5	14.7	8.74
3.6	6.9	4.68	7.6	13.7	8.92	11.6	9.7	7.01
3.7	6.6	4.42	7.7	14.6	8.79	11.7	11.3	7.61
3.8	7.2	3.40	7.8	13.6	8.70	11.8	9.4	8.31
3.9	7.2	4.22	7.9	11.2	9.86	11.9	15.4	10.84

ELECTRICAL CONE SITE Kornbloom Road SK4-5

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	13.0	8.38						
12.1	34.1	2.16						
12.2	47.1	2.20						
12.3	46.4	1.43						
12.4	28.5	4.13						
12.5	20.0	6.38						
12.6	21.2	4.83						
12.7	47.3	2.75						
12.8	35.5	3.18						
12.9	26.6	4.37						
13.0	34.3	4.60						
13.1	44.3	1.88						
13.2	26.0	3.52						
13.3	10.2	8.02						
13.4	17.3	4.73						
13.5	15.5	6.29						
13.6	20.0	4.36						
13.7	25.0	4.55						
13.8	12.0	9.52						
13.9	29.4	0.00						

ELECTRICAL CONE SITE Kornbloom Road K5

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	3.2	4.92	8.0	10.0	3.76
0.1	0.0	0.00	4.1	1.8	6.57	8.1	6.7	5.61
0.2	0.0	0.00	4.2	2.1	10.98	8.2	6.8	6.07
0.3	0.0	0.00	4.3	10.8	3.00	8.3	6.6	6.07
0.4	25.1	3.89	4.4	9.9	3.86	8.4	6.4	6.22
0.5	49.0	6.44	4.5	48.6	0.91	8.5	5.9	6.49
0.6	37.3	7.33	4.6	55.9	1.78	8.6	21.8	2.45
0.7	30.2	7.50	4.7	43.6	1.87	8.7	12.8	5.76
0.8	20.1	6.80	4.8	30.6	2.45	8.8	48.0	1.65
0.9	16.2	7.03	4.9	18.6	1.88	8.9	89.4	1.27
1.0	12.8	7.00	5.0	16.5	2.69	9.0	93.6	1.57
1.1	8.7	7.20	5.1	24.2	1.85	9.1	79.6	2.15
1.2	11.3	9.58	5.2	48.1	0.96	9.2	70.3	1.37
1.3	62.2	1.53	5.3	28.5	2.53	9.3	71.7	1.45
1.4	48.7	2.03	5.4	27.9	0.86	9.4	66.0	1.22
1.5	35.5	1.67	5.5	11.9	4.15	9.5	39.7	3.38
1.6	26.2	1.75	5.6	8.1	3.42	9.6	28.4	3.41
1.7	21.3	2.24	5.7	5.4	3.23	9.7	20.5	4.33
1.8	14.2	2.65	5.8	4.9	4.10	9.8	28.9	2.90
1.9	6.6	5.26	5.9	4.1	18.99	9.9	40.1	1.71
2.0	4.3	8.37	6.0	17.6	8.53	10.0	47.6	1.66
2.1	9.2	5.08	6.1	17.7	10.73	10.1	62.8	1.61
2.2	14.8	1.94	6.2	21.5	8.66	10.2	100.5	1.39
2.3	13.9	2.50	6.3	15.2	9.34	10.3	105.6	2.09
2.4	17.8	1.56	6.4	13.7	9.81	10.4	102.9	2.24
2.5	28.3	1.36	6.5	16.6	9.58	10.5	124.9	2.04
2.6	40.6	1.91	6.6	15.7	9.35	10.6	141.2	2.33
2.7	53.9	1.95	6.7	12.5	8.95	10.7	125.1	2.22
2.8	48.5	2.21	6.8	9.4	10.84	10.8	127.8	1.94
2.9	34.3	2.33	6.9	9.1	8.50	10.9	162.9	1.88
3.0	22.7	2.50	7.0	7.6	10.82	11.0	126.4	2.50
3.1	21.8	1.43	7.1	6.6	8.02	11.1	113.5	2.18
3.2	19.0	2.32	7.2	5.5	8.88	11.2	109.5	2.07
3.3	18.4	1.28	7.3	5.2	8.49	11.3	116.4	1.91
3.4	15.2	2.65	7.4	5.5	8.08	11.4	133.8	1.94
3.5	5.0	4.44	7.5	6.9	8.36	11.5	147.8	1.99
3.6	3.2	7.29	7.6	9.9	9.02	11.6	161.4	2.12
3.7	7.4	4.25	7.7	10.3	8.23	11.7	155.4	2.18
3.8	10.7	3.35	7.8	8.9	6.42	11.8	91.5	3.54
3.9	10.7	2.31	7.9	9.6	3.86	11.9	25.7	4.93

ELECTRICAL CONE SITE Kornbloom Road K5

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	15.3	3.84	16.0	9.2	3.28			
12.1	13.2	4.61	16.1	8.2	2.93			
12.2	15.1	5.86	16.2	6.5	3.79			
12.3	37.8	2.29	16.3	6.5	3.82			
12.4	38.2	3.52	16.4	6.7	3.93			
12.5	36.6	2.23	16.5	6.7	3.93			
12.6	38.4	3.39	16.6	7.5	3.82			
12.7	54.8	1.41	16.7	15.6	5.13			
12.8	45.5	1.91	16.8	91.9	1.61			
12.9	33.6	3.22	16.9	76.7	1.88			
13.0	23.4	3.67	17.0	62.1	2.10			
13.1	11.8	6.22	17.1	47.4	4.41			
13.2	16.1	4.22	17.2	31.2	7.22			
13.3	10.2	4.66	17.3	37.7	3.32			
13.4	27.0	2.01	17.4	30.2	4.74			
13.5	16.8	4.67	17.5	29.0	5.43			
13.6	17.8	3.79	17.6	17.0	9.21			
13.7	17.0	4.27	17.7	14.8	8.25			
13.8	13.5	3.81	17.8	11.6	7.39			
13.9	12.7	2.77	17.9	18.3	8.62			
14.0	8.4	4.96	18.0	18.6	0.00			
14.1	11.1	3.13						
14.2	8.3	3.39						
14.3	8.4	3.68						
14.4	12.6	3.62						
14.5	17.6	4.20						
14.6	21.0	3.01						
14.7	12.6	5.16						
14.8	17.9	3.35						
14.9	16.3	4.53						
15.0	5.9	9.81						
15.1	9.0	4.98						
15.2	16.5	3.82						
15.3	28.1	2.31						
15.4	35.5	1.59						
15.5	29.9	2.64						
15.6	13.4	4.43						
15.7	8.9	2.68						
15.8	7.2	3.43						
15.9	8.9	3.17						

ELECTRICAL CONE SITE Kornbloom Road SK6

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	8.3	3.88	8.0	5.3	6.57
0.1	0.0	0.00	4.1	13.7	1.72	8.1	4.6	8.65
0.2	0.0	0.00	4.2	5.9	5.90	8.2	5.1	8.10
0.3	0.0	0.00	4.3	4.4	5.00	8.3	53.1	1.93
0.4	28.9	6.93	4.4	6.8	4.13	8.4	19.5	6.55
0.5	32.3	5.72	4.5	8.9	7.02	8.5	24.8	4.52
0.6	23.7	5.39	4.6	36.3	0.82	8.6	40.6	2.13
0.7	14.4	6.03	4.7	37.9	1.11	8.7	51.5	1.99
0.8	12.3	5.60	4.8	29.5	1.80	8.8	53.5	1.38
0.9	11.4	6.04	4.9	38.3	0.93	8.9	43.3	2.44
1.0	9.9	4.66	5.0	22.5	2.45	9.0	90.9	1.33
1.1	7.7	4.32	5.1	20.1	1.97	9.1	96.9	1.93
1.2	9.5	8.96	5.2	31.5	1.05	9.2	82.5	2.00
1.3	17.0	5.26	5.3	30.8	1.39	9.3	55.1	3.61
1.4	20.9	2.44	5.4	26.5	1.61	9.4	70.2	1.78
1.5	16.1	1.99	5.5	14.9	3.32	9.5	88.6	1.41
1.6	17.5	1.47	5.6	10.3	3.16	9.6	114.5	1.19
1.7	17.5	1.05	5.7	5.0	3.20	9.7	124.1	1.72
1.8	11.2	1.76	5.8	4.5	5.11	9.8	75.5	2.51
1.9	6.2	5.26	5.9	6.4	12.03	9.9	75.5	1.43
2.0	10.6	1.80	6.0	10.9	7.98	10.0	74.7	1.29
2.1	10.0	3.93	6.1	12.0	10.18	10.1	66.6	1.21
2.2	17.1	0.92	6.2	12.0	10.44	10.2	59.6	1.35
2.3	15.3	1.19	6.3	11.1	10.75	10.3	58.7	1.55
2.4	14.5	1.91	6.4	13.8	8.00	10.4	58.7	1.37
2.5	15.9	1.16	6.5	13.2	8.15	10.5	54.7	1.37
2.6	24.3	0.98	6.6	11.8	9.02	10.6	56.2	1.02
2.7	22.4	1.52	6.7	12.0	8.48	10.7	67.1	1.48
2.8	25.8	1.52	6.8	12.0	8.68	10.8	77.6	1.20
2.9	21.5	1.54	6.9	11.7	7.67	10.9	61.6	1.75
3.0	16.2	1.81	7.0	12.3	9.10	11.0	71.2	1.12
3.1	17.3	1.21	7.1	12.8	8.10	11.1	24.6	5.42
3.2	18.4	1.93	7.2	12.3	7.76	11.2	13.2	5.32
3.3	8.4	3.49	7.3	11.6	8.49	11.3	28.0	2.21
3.4	4.9	7.39	7.4	9.8	8.77	11.4	25.6	4.45
3.5	12.3	2.03	7.5	7.2	10.04	11.5	22.2	3.24
3.6	10.8	2.27	7.6	10.0	8.81	11.6	12.8	6.84
3.7	7.9	4.81	7.7	8.2	6.32	11.7	19.0	3.63
3.8	10.3	2.07	7.8	14.6	3.42	11.8	24.9	4.02
3.9	9.9	2.74	7.9	7.9	5.67	11.9	11.9	9.54

ELECTRICAL CONE SITE Kornbloom Road SK6

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	22.6	3.77						
12.1	15.0	4.03						
12.2	7.9	5.53						
12.3	14.8	3.14						
12.4	7.7	7.22						
12.5	17.8	3.45						
12.6	10.7	5.96						
12.7	8.7	7.05						
12.8	19.0	3.92						
12.9	25.1	2.97						
13.0	27.1	4.35						
13.1	30.7	2.72						
13.2	34.1	3.33						
13.3	30.6	4.42						
13.4	29.4	4.57						
13.5	25.2	4.92						
13.6	45.2	2.28						
13.7	46.8	1.50						
13.8	48.4	1.56						
13.9	26.8	0.00						

ELECTRICAL CONE SITE Kornbloom Road K7

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	10.39	4.0	42.4	0.64	8.0	8.8	7.25
0.1	0.0	10.39	4.1	33.1	1.39	8.1	10.5	7.08
0.2	0.0	10.39	4.2	7.1	3.79	8.2	11.7	6.42
0.3	0.0	10.39	4.3	18.1	0.87	8.3	8.7	6.99
0.4	12.3	1.98	4.4	36.5	0.83	8.4	7.3	7.51
0.5	8.7	5.02	4.5	46.7	1.11	8.5	4.2	6.55
0.6	6.6	6.11	4.6	31.1	1.44	8.6	3.3	8.23
0.7	4.4	7.80	4.7	28.9	1.36	8.7	9.0	6.95
0.8	5.3	4.28	4.8	27.1	1.30	8.8	12.4	5.55
0.9	4.6	5.11	4.9	22.9	1.45	8.9	11.6	4.88
1.0	4.2	3.32	5.0	28.0	0.93	9.0	12.8	4.03
1.1	2.7	8.46	5.1	22.3	1.75	9.1	13.7	3.59
1.2	4.7	4.90	5.2	23.6	1.03	9.2	13.6	3.12
1.3	2.8	5.11	5.3	31.8	1.10	9.3	11.7	2.34
1.4	2.6	5.88	5.4	47.9	0.85	9.4	11.7	1.84
1.5	5.0	3.25	5.5	22.4	2.40	9.5	11.2	1.89
1.6	3.4	5.07	5.6	8.7	3.45	9.6	9.6	3.26
1.7	1.1	11.96	5.7	2.6	7.28	9.7	9.7	3.60
1.8	1.6	7.78	5.8	9.6	2.24	9.8	9.6	3.55
1.9	3.0	5.88	5.9	38.3	0.71	9.9	9.5	3.13
2.0	15.2	0.79	6.0	29.8	1.33	10.0	8.6	3.07
2.1	17.1	0.92	6.1	24.4	1.29	10.1	7.8	1.77
2.2	33.0	0.99	6.2	24.8	1.30	10.2	6.7	2.94
2.3	33.6	1.15	6.3	26.9	0.85	10.3	18.9	1.47
2.4	23.0	1.56	6.4	28.2	1.30	10.4	21.0	1.79
2.5	17.1	1.76	6.5	19.7	1.80	10.5	27.2	1.91
2.6	20.4	1.13	6.6	24.3	0.69	10.6	38.5	1.02
2.7	26.0	1.26	6.7	19.9	1.44	10.7	53.2	1.12
2.8	42.3	1.13	6.8	12.3	3.25	10.8	48.1	1.07
2.9	33.9	1.16	6.9	11.0	7.72	10.9	62.4	0.51
3.0	28.8	1.32	7.0	13.1	7.85	11.0	33.0	1.79
3.1	26.3	1.51	7.1	11.5	7.02	11.1	19.7	2.76
3.2	19.1	1.63	7.2	9.6	7.15	11.2	33.0	1.54
3.3	14.3	1.83	7.3	9.7	7.89	11.3	39.4	1.57
3.4	15.4	0.70	7.4	9.6	6.86	11.4	48.6	0.92
3.5	8.8	2.67	7.5	5.0	7.24	11.5	46.9	1.30
3.6	6.9	1.77	7.6	3.9	8.76	11.6	16.8	2.73
3.7	16.6	1.05	7.7	9.5	6.68	11.7	49.6	1.08
3.8	17.2	0.81	7.8	9.5	5.67	11.8	46.2	1.62
3.9	16.5	1.93	7.9	8.0	6.82	11.9	88.5	0.92

ELECTRICAL CONE SITE Kornbloom Road K7

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	154.4	0.75	16.0	9.5	1.88			
12.1	162.5	1.09	16.1	7.8	2.06			
12.2	141.4	1.20	16.2	7.9	2.24			
12.3	190.9	1.05	16.3	9.9	2.05			
12.4	194.7	1.25	16.4	9.2	2.60			
12.5	175.7	1.30	16.5	9.1	1.85			
12.6	122.7	1.75	16.6	6.6	2.22			
12.7	78.0	1.41	16.7	9.4	3.23			
12.8	60.8	1.77	16.8	13.9	3.15			
12.9	43.2	2.46	16.9	14.7	2.80			
13.0	27.0	2.44	17.0	13.7	2.51			
13.1	8.2	3.99	17.1	12.8	2.50			
13.2	11.3	2.98	17.2	15.2	2.15			
13.3	7.4	3.02	17.3	17.5	2.36			
13.4	11.3	3.35	17.4	27.1	1.43			
13.5	20.2	1.60	17.5	30.6	1.67			
13.6	41.1	0.89	17.6	19.1	3.57			
13.7	33.8	2.76	17.7	46.3	0.78			
13.8	25.0	2.59	17.8	49.5	0.68			
13.9	62.6	0.90	17.9	40.4	0.00			
14.0	69.5	0.98						
14.1	71.3	0.69						
14.2	62.6	1.13						
14.3	59.1	1.30						
14.4	56.4	1.63						
14.5	51.9	1.39						
14.6	33.2	2.05						
14.7	27.5	2.23						
14.8	34.7	1.22						
14.9	20.7	1.81						
15.0	10.2	1.79						
15.1	8.1	2.17						
15.2	7.9	2.16						
15.3	6.5	2.37						
15.4	11.7	1.53						
15.5	11.2	1.86						
15.6	12.7	2.61						
15.7	35.8	0.82						
15.8	20.9	1.72						
15.9	11.6	2.06						

ELECTRICAL CONE SITE Radio Tower R1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	24.1	1.14	8.0	18.6	3.79
0.1	0.0	0.00	4.1	28.8	1.33	8.1	24.9	3.06
0.2	0.0	0.00	4.2	23.4	2.08	8.2	24.3	3.47
0.3	0.0	0.00	4.3	11.1	2.97	8.3	26.0	3.95
0.4	5.8	3.48	4.4	10.3	3.12	8.4	35.1	2.81
0.5	5.7	3.70	4.5	9.7	4.03	8.5	44.1	2.56
0.6	4.4	4.37	4.6	10.1	3.36	8.6	35.1	3.73
0.7	5.5	3.42	4.7	9.0	4.00	8.7	28.4	3.45
0.8	4.2	4.14	4.8	7.9	3.58	8.8	29.4	3.17
0.9	2.2	5.60	4.9	8.2	4.49	8.9	18.8	3.73
1.0	3.8	3.12	5.0	8.9	4.48	9.0	18.7	4.70
1.1	4.1	2.76	5.1	9.4	3.80	9.1	28.1	4.59
1.2	3.0	3.27	5.2	9.7	3.49	9.2	32.5	4.58
1.3	3.8	3.01	5.3	9.3	2.62	9.3	34.1	3.42
1.4	4.6	2.70	5.4	11.0	2.65	9.4	32.9	3.42
1.5	2.9	3.91	5.5	17.8	2.34	9.5	31.1	3.75
1.6	2.2	5.07	5.6	39.6	1.39	9.6	28.5	4.11
1.7	2.4	3.83	5.7	18.0	3.64	9.7	26.9	4.22
1.8	5.4	2.37	5.8	55.8	0.81	9.8	21.5	3.61
1.9	8.8	1.42	5.9	27.7	2.48	9.9	18.8	3.43
2.0	3.3	1.23	6.0	22.5	3.79	10.0	19.2	2.64
2.1	3.3	1.21	6.1	43.0	1.53	10.1	18.2	2.46
2.2	6.7	0.92	6.2	49.3	1.10	10.2	31.6	1.71
2.3	7.7	0.95	6.3	18.6	2.74	10.3	33.2	2.41
2.4	8.7	0.79	6.4	17.8	2.34	10.4	39.6	1.93
2.5	9.4	0.75	6.5	15.7	3.54	10.5	26.6	2.03
2.6	9.8	0.83	6.6	15.1	3.96	10.6	22.3	1.43
2.7	10.9	0.85	6.7	16.4	4.35	10.7	16.6	2.09
2.8	12.9	0.84	6.8	18.0	4.79	10.8	18.9	3.08
2.9	15.3	0.90	6.9	17.4	4.00	10.9	57.4	1.70
3.0	15.2	0.89	7.0	18.3	3.46	11.0	78.6	0.84
3.1	17.5	0.82	7.1	19.1	4.18	11.1	83.8	0.98
3.2	18.9	0.90	7.2	20.1	4.21	11.2	98.7	1.38
3.3	18.5	0.92	7.3	22.4	3.79	11.3	156.9	0.93
3.4	17.7	1.01	7.4	25.2	4.18	11.4	143.2	1.36
3.5	17.8	0.98	7.5	23.0	4.38	11.5	123.9	0.76
3.6	19.0	0.99	7.6	22.1	3.77	11.6	98.4	0.98
3.7	22.0	1.06	7.7	22.6	3.82	11.7	87.9	1.29
3.8	21.9	1.07	7.8	22.5	3.36	11.8	72.8	1.91
3.9	22.3	1.13	7.9	20.5	3.27	11.9	75.9	1.76

ELECTRICAL CONE SITE Radio Tower R1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	78.4	1.36						
12.1	55.0	1.78						
12.2	23.8	2.25						
12.3	19.6	2.47						
12.4	21.8	2.34						
12.5	30.5	2.91						
12.6	65.4	1.26						
12.7	105.4	1.12						
12.8	144.5	0.95						
12.9	120.7	1.34						
13.0	108.2	1.05						
13.1	110.9	0.95						
13.2	104.2	1.03						
13.3	105.4	0.90						
13.4	119.3	0.96						
13.5	126.6	1.00						
13.6	133.2	0.86						
13.7	104.5	1.45						
13.8	111.5	0.99						
13.9	128.7	1.27						
14.0	65.4	2.77						
14.1	32.2	3.62						
14.2	23.6	3.07						
14.3	18.4	3.61						
14.4	23.5	2.73						
14.5	30.7	2.78						
14.6	34.6	3.18						
14.7	31.9	3.32						
14.8	33.8	2.76						
14.9	33.7	0.00						

ELECTRICAL CONE SITE Radio Tower R2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	25.2	0.85	8.0	32.6	3.13
0.1	0.0	0.00	4.1	26.1	0.84	8.1	27.7	3.34
0.2	0.0	0.00	4.2	25.8	0.91	8.2	30.4	2.66
0.3	0.0	0.00	4.3	29.6	0.85	8.3	31.7	2.70
0.4	11.3	3.75	4.4	32.7	0.86	8.4	35.2	2.49
0.5	7.5	4.98	4.5	33.3	0.91	8.5	41.0	2.66
0.6	7.3	4.01	4.6	33.7	0.96	8.6	24.9	2.31
0.7	1.8	15.53	4.7	36.0	0.95	8.7	18.0	1.71
0.8	1.7	17.78	4.8	37.8	0.98	8.8	18.3	2.41
0.9	2.1	11.89	4.9	37.9	0.98	8.9	19.0	2.18
1.0	0.7	36.57	5.0	36.7	1.01	9.0	24.2	3.29
1.1	5.0	6.89	5.1	35.1	0.98	9.1	35.0	2.74
1.2	5.6	6.26	5.2	35.7	0.98	9.2	30.1	2.77
1.3	5.8	5.36	5.3	36.2	1.02	9.3	29.5	3.09
1.4	4.6	5.35	5.4	36.8	1.03	9.4	30.7	3.61
1.5	4.5	6.06	5.5	37.8	1.04	9.5	31.1	3.40
1.6	2.5	10.38	5.6	39.4	1.03	9.6	26.9	2.62
1.7	2.4	8.70	5.7	41.8	1.02	9.7	24.4	2.11
1.8	3.8	4.81	5.8	41.3	1.01	9.8	24.9	1.85
1.9	3.5	4.72	5.9	43.0	1.00	9.9	24.7	1.50
2.0	2.7	4.28	6.0	47.3	0.99	10.0	29.0	2.06
2.1	2.2	5.64	6.1	53.1	0.97	10.1	44.1	1.54
2.2	1.3	8.44	6.2	50.9	0.99	10.2	45.1	1.41
2.3	2.1	4.59	6.3	37.6	1.17	10.3	26.7	1.39
2.4	2.4	3.54	6.4	33.5	1.24	10.4	23.8	1.66
2.5	2.2	2.46	6.5	35.1	2.34	10.5	33.2	1.78
2.6	2.3	1.41	6.6	25.3	2.58	10.6	61.1	1.56
2.7	2.2	1.41	6.7	18.0	2.77	10.7	82.2	0.81
2.8	5.2	0.79	6.8	36.6	2.46	10.8	89.1	0.74
2.9	6.8	0.61	6.9	33.9	2.55	10.9	93.3	1.14
3.0	9.0	0.44	7.0	20.1	2.58	11.0	124.7	0.96
3.1	9.7	0.64	7.1	22.0	3.40	11.1	143.9	1.04
3.2	10.1	0.42	7.2	26.9	3.47	11.2	113.9	1.23
3.3	11.2	0.57	7.3	28.3	3.32	11.3	103.0	0.90
3.4	12.5	0.57	7.4	29.9	3.47	11.4	93.3	0.78
3.5	14.6	0.57	7.5	27.0	3.11	11.5	94.8	0.98
3.6	17.0	0.59	7.6	31.9	2.92	11.6	85.2	1.51
3.7	19.1	0.73	7.7	24.1	3.15	11.7	61.4	1.84
3.8	19.2	0.75	7.8	24.8	2.81	11.8	30.0	2.33
3.9	22.1	0.83	7.9	29.8	2.60	11.9	27.4	1.65

ELECTRICAL CONE SITE Radio Tower R2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	33.6	1.19						
12.1	25.6	1.94						
12.2	30.7	2.58						
12.3	102.8	0.74						
12.4	127.5	0.88						
12.5	150.1	0.90						
12.6	216.8	1.10						
12.7	226.7	1.20						
12.8	144.7	1.65						
12.9	106.1	0.79						
13.0	99.6	1.03						
13.1	110.1	1.19						
13.2	120.7	1.15						
13.3	107.8	1.65						
13.4	45.0	2.65						
13.5	40.8	2.43						
13.6	33.5	1.96						
13.7	36.4	1.79						
13.8	37.2	2.02						
13.9	33.4	1.99						
14.0	33.8	2.78						
14.1	34.1	0.00						

ELECTRICAL CONE SITE Radio Tower R3

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
0.0	0.0	0.00	4.0	12.8	3.67	8.0	26.8	3.60
0.1	0.0	0.00	4.1	14.3	3.43	8.1	18.9	3.68
0.2	0.0	0.00	4.2	12.6	3.78	8.2	21.5	3.29
0.3	0.0	0.00	4.3	14.0	3.22	8.3	21.2	3.27
0.4	3.3	7.89	4.4	12.4	3.55	8.4	24.3	2.75
0.5	3.7	9.33	4.5	8.1	5.44	8.5	19.3	4.02
0.6	5.7	4.77	4.6	17.6	1.90	8.6	19.1	3.62
0.7	1.5	12.12	4.7	16.0	2.40	8.7	14.4	3.78
0.8	0.8	18.94	4.8	33.9	1.59	8.8	14.6	4.33
0.9	1.0	14.35	4.9	21.6	3.56	8.9	13.1	2.49
1.0	0.8	13.17	5.0	19.4	4.10	9.0	12.4	1.88
1.1	7.2	0.78	5.1	14.7	4.20	9.1	16.4	3.32
1.2	6.1	0.98	5.2	18.5	3.14	9.2	23.9	2.51
1.3	8.9	1.15	5.3	15.6	3.30	9.3	20.6	1.68
1.4	14.2	1.20	5.4	15.6	3.97	9.4	16.2	2.71
1.5	20.3	0.97	5.5	28.7	1.85	9.5	18.2	3.93
1.6	21.3	1.03	5.6	21.2	2.95	9.6	19.1	3.44
1.7	21.4	1.08	5.7	42.2	1.63	9.7	17.6	2.91
1.8	21.6	1.12	5.8	21.4	3.37	9.8	16.9	3.05
1.9	24.2	1.05	5.9	35.8	2.19	9.9	28.3	3.19
2.0	25.1	1.01	6.0	50.8	0.86	10.0	37.6	1.80
2.1	25.8	1.02	6.1	54.2	1.13	10.1	36.3	2.14
2.2	29.5	0.99	6.2	33.7	2.02	10.2	23.4	2.93
2.3	30.3	0.97	6.3	15.3	3.70	10.3	22.5	3.31
2.4	30.5	0.97	6.4	19.3	3.18	10.4	42.5	2.20
2.5	30.8	0.97	6.5	14.7	3.35	10.5	49.7	1.63
2.6	32.5	0.96	6.6	16.9	4.87	10.6	68.1	0.75
2.7	36.4	0.89	6.7	18.0	4.77	10.7	33.6	2.40
2.8	40.1	0.95	6.8	19.0	5.09	10.8	14.4	3.90
2.9	40.7	0.94	6.9	23.5	5.06	10.9	18.0	2.69
3.0	21.2	2.49	7.0	21.0	4.01	11.0	11.5	2.13
3.1	12.9	3.29	7.1	19.3	4.24	11.1	9.0	3.08
3.2	10.5	4.11	7.2	21.4	4.10	11.2	21.0	1.74
3.3	8.7	3.66	7.3	19.0	4.14	11.3	38.7	1.19
3.4	5.3	4.21	7.4	20.1	4.17	11.4	38.6	1.32
3.5	5.0	4.71	7.5	18.3	4.13	11.5	16.3	3.39
3.6	4.9	6.47	7.6	17.8	3.87	11.6	15.8	2.41
3.7	8.9	4.60	7.7	16.4	4.16	11.7	15.4	2.21
3.8	17.1	2.73	7.8	39.6	2.79	11.8	17.3	2.66
3.9	14.1	3.55	7.9	31.2	3.80	11.9	19.5	3.44

ELECTRICAL CONE SITE Radio Tower R3

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
12.0	20.8	2.35	16.0	22.2	3.87			
12.1	17.4	2.28	16.1	26.5	4.65			
12.2	18.4	4.20	16.2	23.1	3.84			
12.3	207.0	0.99	16.3	22.5	4.11			
12.4	149.9	1.57	16.4	21.3	4.09			
12.5	102.1	1.15	16.5	21.9	4.12			
12.6	96.0	1.47	16.6	22.5	3.67			
12.7	100.8	0.90	16.7	25.1	4.05			
12.8	93.3	0.83	16.8	34.3	3.68			
12.9	51.8	2.42	16.9	31.8	0.00			
13.0	29.9	3.31						
13.1	18.0	3.02						
13.2	16.6	2.90						
13.3	21.9	3.41						
13.4	23.7	3.76						
13.5	22.3	3.20						
13.6	20.8	4.02						
13.7	28.6	3.90						
13.8	31.1	3.47						
13.9	30.7	3.67						
14.0	25.7	3.35						
14.1	26.9	2.64						
14.2	22.6	3.36						
14.3	23.1	3.12						
14.4	21.5	3.23						
14.5	18.9	3.43						
14.6	18.8	3.99						
14.7	21.7	4.05						
14.8	23.8	3.15						
14.9	30.0	3.20						
15.0	34.9	3.22						
15.1	34.6	2.72						
15.2	32.9	2.38						
15.3	31.3	2.83						
15.4	29.1	2.44						
15.5	29.2	2.05						
15.6	28.4	2.74						
15.7	19.1	2.55						
15.8	22.3	2.48						
15.9	20.4	3.54						

ELECTRICAL CONE SITE Radio Tower R4

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	3.54	4.0	22.9	4.30	8.0	23.6	1.53
0.1	0.0	3.54	4.1	21.6	3.25	8.1	24.5	1.93
0.2	0.0	3.54	4.2	27.6	2.36	8.2	26.0	2.16
0.3	0.0	3.54	4.3	35.1	1.88	8.3	26.6	2.75
0.4	10.4	10.49	4.4	44.8	1.62	8.4	39.5	2.66
0.5	11.1	9.74	4.5	65.2	0.98	8.5	41.9	2.44
0.6	20.2	3.66	4.6	63.3	1.04	8.6	30.8	2.35
0.7	10.8	5.27	4.7	52.9	1.81	8.7	31.4	1.95
0.8	1.9	24.07	4.8	80.2	0.75	8.8	27.0	2.41
0.9	0.9	39.06	4.9	110.9	0.83	8.9	30.2	2.30
1.0	1.1	25.86	5.0	119.4	1.23	9.0	34.8	1.75
1.1	0.9	33.03	5.1	79.8	1.02	9.1	26.8	2.11
1.2	3.6	10.20	5.2	79.1	0.99	9.2	28.5	2.19
1.3	6.9	5.10	5.3	89.9	0.75	9.3	33.3	3.00
1.4	17.4	1.88	5.4	84.9	0.82	9.4	40.1	2.56
1.5	4.7	6.10	5.5	85.4	0.90	9.5	31.6	2.11
1.6	10.7	2.25	5.6	94.5	0.86	9.6	31.5	2.10
1.7	10.7	2.04	5.7	97.4	0.80	9.7	41.9	3.04
1.8	15.8	1.53	5.8	73.9	1.23	9.8	41.4	3.00
1.9	21.9	1.29	5.9	51.3	1.67	9.9	42.5	2.63
2.0	26.9	1.38	6.0	45.9	1.97	10.0	36.7	2.76
2.1	34.8	1.16	6.1	37.8	2.09	10.1	34.7	1.98
2.2	49.8	1.05	6.2	27.4	2.55	10.2	32.5	1.93
2.3	59.7	1.07	6.3	53.8	0.93	10.3	33.8	1.44
2.4	68.8	1.05	6.4	61.5	1.68	10.4	32.2	0.97
2.5	81.0	1.04	6.5	39.1	1.94	10.5	30.9	1.28
2.6	85.4	1.08	6.6	24.8	2.10	10.6	33.3	1.48
2.7	83.4	1.10	6.7	24.6	1.83	10.7	53.0	1.17
2.8	73.3	1.39	6.8	24.4	1.64	10.8	35.1	1.83
2.9	33.9	2.92	6.9	18.6	1.74	10.9	43.3	1.75
3.0	20.9	3.63	7.0	19.7	2.02	11.0	53.2	1.95
3.1	21.9	4.54	7.1	22.2	2.87	11.1	63.8	1.61
3.2	28.3	4.66	7.2	27.7	2.78	11.2	86.2	1.14
3.3	30.3	4.41	7.3	31.3	3.41	11.3	105.0	0.72
3.4	27.7	4.47	7.4	32.5	3.31	11.4	94.8	1.12
3.5	26.7	4.06	7.5	30.5	2.85	11.5	87.3	1.40
3.6	26.7	4.59	7.6	31.3	3.14	11.6	81.7	1.46
3.7	23.9	4.80	7.7	30.2	2.99	11.7	106.7	0.86
3.8	23.7	4.74	7.8	23.9	2.26	11.8	83.8	1.89
3.9	23.9	4.74	7.9	23.2	2.09	11.9	68.3	2.51

ELECTRICAL CONE SITE Radio Tower R4

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	67.0	1.88						
12.1	60.3	1.85						
12.2	53.3	1.96						
12.3	57.2	1.39						
12.4	45.0	1.82						
12.5	35.4	1.69						
12.6	36.0	1.17						
12.7	34.9	1.26						
12.8	36.6	1.55						
12.9	43.6	1.68						
13.0	47.3	1.85						
13.1	41.7	2.43						
13.2	119.7	0.83						
13.3	137.9	0.63						
13.4	132.0	0.61						
13.5	107.3	1.23						
13.6	116.0	0.86						
13.7	136.2	1.16						
13.8	127.1	1.29						
13.9	120.9	0.83						
14.0	71.5	1.96						
14.1	37.5	1.81						
14.2	36.7	1.54						
14.3	38.9	1.85						
14.4	35.9	1.77						
14.5	33.7	1.63						
14.6	32.3	1.51						
14.7	37.4	1.70						
14.8	39.2	1.79						
14.9	44.2	1.88						
15.0	42.6	1.81						
15.1	41.9	0.00						

ELECTRICAL CONE SITE McKim Ranch M1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	83.6	1.37	8.0	16.1	4.85
0.1	0.0	0.00	4.1	68.4	0.80	8.1	15.4	4.43
0.2	0.0	0.00	4.2	55.0	1.11	8.2	15.2	4.36
0.3	0.0	0.00	4.3	46.0	0.92	8.3	12.5	4.63
0.4	27.4	2.04	4.4	41.9	1.03	8.4	14.6	5.66
0.5	26.6	1.70	4.5	38.7	1.07	8.5	17.5	5.77
0.6	27.2	1.91	4.6	36.4	1.08	8.6	20.6	5.88
0.7	23.0	3.28	4.7	40.4	1.41	8.7	20.0	5.13
0.8	17.9	4.02	4.8	49.8	1.01	8.8	16.8	5.67
0.9	23.1	1.36	4.9	57.1	1.20	8.9	14.7	5.11
1.0	18.4	1.89	5.0	38.9	1.44	9.0	13.3	4.75
1.1	13.3	4.42	5.1	53.4	0.87	9.1	19.3	4.28
1.2	17.1	2.40	5.2	61.0	0.95	9.2	28.4	3.70
1.3	6.0	5.87	5.3	46.8	2.03	9.3	30.6	3.57
1.4	4.4	4.04	5.4	51.0	1.90	9.4	31.4	3.39
1.5	4.5	6.59	5.5	69.5	1.27	9.5	33.9	3.38
1.6	7.4	7.04	5.6	100.8	1.06	9.6	31.2	3.17
1.7	6.4	7.24	5.7	93.9	1.09	9.7	27.0	4.18
1.8	6.5	5.82	5.8	66.7	1.36	9.8	18.8	4.18
1.9	4.7	8.13	5.9	75.1	0.90	9.9	21.4	4.18
2.0	16.0	2.52	6.0	70.3	0.95	10.0	29.0	4.33
2.1	8.8	3.89	6.1	58.0	1.85	10.1	28.1	3.27
2.2	11.4	5.89	6.2	27.0	4.38	10.2	32.4	2.93
2.3	10.7	6.07	6.3	35.4	2.81	10.3	35.1	2.07
2.4	10.6	6.14	6.4	25.0	3.13	10.4	17.1	2.75
2.5	19.6	2.92	6.5	18.1	3.43	10.5	28.0	2.14
2.6	16.5	3.58	6.6	14.3	3.01	10.6	20.6	3.60
2.7	17.0	4.10	6.7	11.9	3.68	10.7	20.5	3.57
2.8	18.5	3.70	6.8	9.9	3.95	10.8	31.8	2.65
2.9	21.3	2.39	6.9	8.4	4.62	10.9	37.0	2.35
3.0	28.1	2.30	7.0	9.7	3.78	11.0	48.5	1.82
3.1	16.6	3.83	7.1	11.6	6.74	11.1	53.0	1.60
3.2	14.0	3.60	7.2	16.4	4.67	11.2	54.3	1.58
3.3	14.3	3.01	7.3	15.8	4.57	11.3	66.5	1.09
3.4	8.5	4.49	7.4	15.7	4.19	11.4	70.8	1.19
3.5	7.0	6.48	7.5	13.2	4.06	11.5	68.4	1.38
3.6	27.1	1.97	7.6	13.1	4.10	11.6	79.7	1.18
3.7	59.1	1.36	7.7	13.4	4.87	11.7	73.8	1.51
3.8	78.4	1.04	7.8	12.4	4.68	11.8	85.0	1.09
3.9	116.0	0.99	7.9	15.7	4.85	11.9	82.1	1.08

ELECTRICAL CONE SITE McKim Ranch M1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	82.5	0.98						
12.1	86.3	0.95						
12.2	87.0	0.91						
12.3	74.4	1.22						
12.4	66.3	1.50						
12.5	59.7	2.20						
12.6	72.0	1.28						
12.7	61.6	1.77						
12.8	66.9	1.45						
12.9	63.7	1.35						
13.0	46.8	2.80						
13.1	50.5	2.49						
13.2	52.0	2.08						
13.3	54.0	2.28						
13.4	41.5	2.70						
13.5	27.4	3.15						
13.6	31.2	2.15						
13.7	15.4	2.20						
13.8	11.9	3.72						
13.9	25.4	3.14						
14.0	24.6	2.13						
14.1	17.1	2.69						
14.2	20.6	3.52						
14.3	22.2	4.36						
14.4	24.7	4.32						
14.5	23.7	4.08						
14.6	16.8	3.86						
14.7	16.2	3.73						
14.8	21.4	2.84						
14.9	24.6	0.00						

ELECTRICAL CONE SITE McKim Ranch M2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	34.5	2.47	8.0	53.1	1.37
0.1	0.0	0.00	4.1	28.3	3.25	8.1	62.4	1.13
0.2	0.0	0.00	4.2	15.8	2.90	8.2	74.8	0.87
0.3	0.0	0.00	4.3	10.8	3.51	8.3	74.1	0.89
0.4	65.0	1.44	4.4	10.7	3.80	8.4	65.6	1.23
0.5	61.9	1.30	4.5	16.1	1.73	8.5	64.1	1.04
0.6	51.2	1.30	4.6	10.9	4.07	8.6	59.9	1.12
0.7	39.9	1.12	4.7	13.6	6.05	8.7	53.6	1.58
0.8	31.4	1.11	4.8	21.9	5.30	8.8	58.4	1.17
0.9	25.7	1.20	4.9	20.2	4.95	8.9	57.0	1.12
1.0	21.9	2.00	5.0	15.5	4.37	9.0	55.3	1.00
1.1	19.6	3.77	5.1	13.2	6.24	9.1	55.3	1.04
1.2	15.3	4.37	5.2	15.0	6.03	9.2	57.4	1.26
1.3	12.8	2.47	5.3	14.7	4.88	9.3	67.6	1.07
1.4	8.9	3.46	5.4	14.6	4.71	9.4	64.3	1.28
1.5	10.4	3.16	5.5	11.5	3.95	9.5	55.0	1.57
1.6	14.8	1.57	5.6	10.4	3.41	9.6	50.5	1.61
1.7	23.0	0.98	5.7	7.8	3.97	9.7	47.7	2.31
1.8	26.6	0.96	5.8	8.6	4.26	9.8	56.1	1.47
1.9	26.8	1.03	5.9	11.3	5.38	9.9	71.2	0.84
2.0	33.4	0.83	6.0	21.4	5.02	10.0	56.3	1.39
2.1	40.7	0.87	6.1	23.8	4.75	10.1	51.8	1.90
2.2	42.1	0.89	6.2	24.9	3.79	10.2	49.3	2.16
2.3	47.1	0.92	6.3	21.4	3.56	10.3	41.3	2.68
2.4	46.1	0.94	6.4	22.8	3.89	10.4	19.3	2.34
2.5	38.6	1.07	6.5	72.0	0.91	10.5	10.4	3.30
2.6	21.3	2.56	6.6	64.2	1.41	10.6	20.3	2.46
2.7	6.5	3.60	6.7	24.8	4.15	10.7	16.6	2.85
2.8	7.5	3.12	6.8	21.8	3.69	10.8	20.1	1.74
2.9	12.5	2.51	6.9	19.9	3.13	10.9	11.5	2.18
3.0	16.5	2.28	7.0	18.7	3.58	11.0	14.4	3.22
3.1	8.3	4.21	7.1	28.1	2.70	11.1	17.7	2.17
3.2	28.0	1.34	7.2	15.3	4.50	11.2	21.2	2.59
3.3	33.5	1.73	7.3	31.9	2.47	11.3	20.5	3.77
3.4	79.4	0.91	7.4	40.5	1.59	11.4	20.4	3.90
3.5	107.5	1.06	7.5	52.2	1.15	11.5	18.0	3.98
3.6	102.7	1.34	7.6	62.8	1.03	11.6	19.0	4.19
3.7	54.1	1.96	7.7	71.3	0.95	11.7	23.8	4.44
3.8	33.7	2.69	7.8	66.5	1.04	11.8	25.4	3.94
3.9	27.6	3.18	7.9	59.0	1.12	11.9	20.5	2.73

ELECTRICAL CONE SITE McKim Ranch M2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	21.3	2.55						
12.1	22.8	2.38						
12.2	20.2	2.51						
12.3	15.3	4.40						
12.4	38.5	2.30						
12.5	22.8	4.02						
12.6	20.1	3.77						
12.7	21.3	3.52						
12.8	17.7	3.34						
12.9	13.8	2.85						
13.0	22.0	0.00						

ELECTRICAL CONE SITE McKim Ranch M3

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
0.0	0.0	0.00	4.0	8.1	3.28	8.0	9.7	5.98
0.1	0.0	0.00	4.1	17.0	2.66	8.1	9.8	5.77
0.2	0.0	0.00	4.2	6.0	3.94	8.2	13.8	5.14
0.3	0.0	0.00	4.3	7.9	7.05	8.3	14.1	5.53
0.4	42.5	1.53	4.4	13.8	6.83	8.4	14.1	5.41
0.5	35.4	1.09	4.5	7.6	8.45	8.5	17.4	5.09
0.6	44.9	1.06	4.6	4.3	11.03	8.6	17.4	4.53
0.7	33.0	2.51	4.7	8.1	8.14	8.7	21.7	3.18
0.8	18.7	4.77	4.8	7.9	8.28	8.8	39.3	1.89
0.9	12.3	4.42	4.9	7.8	9.59	8.9	16.8	3.35
1.0	7.3	5.88	5.0	8.8	5.53	9.0	14.0	4.47
1.1	9.8	3.75	5.1	14.3	3.07	9.1	13.7	4.67
1.2	13.3	2.21	5.2	36.8	1.05	9.2	11.1	4.93
1.3	20.5	1.07	5.3	44.7	1.21	9.3	8.7	5.84
1.4	22.3	1.00	5.4	27.8	1.01	9.4	6.1	6.18
1.5	25.8	0.98	5.5	25.0	0.84	9.5	5.3	6.61
1.6	24.4	0.97	5.6	29.9	1.14	9.6	4.1	5.96
1.7	21.2	1.00	5.7	36.1	1.22	9.7	5.0	5.90
1.8	23.0	0.98	5.8	35.4	1.23	9.8	6.4	4.77
1.9	23.8	0.92	5.9	37.8	1.31	9.9	9.8	3.44
2.0	22.6	0.84	6.0	39.5	1.20	10.0	7.0	5.43
2.1	20.7	0.93	6.1	52.0	1.12	10.1	10.9	5.91
2.2	18.1	1.02	6.2	60.5	1.14	10.2	29.4	3.84
2.3	19.0	1.04	6.3	61.3	1.11	10.3	25.6	5.04
2.4	20.9	0.98	6.4	69.4	1.11	10.4	34.7	3.81
2.5	21.4	0.78	6.5	66.0	1.24	10.5	23.1	4.65
2.6	20.8	0.88	6.6	26.8	3.12	10.6	35.4	3.25
2.7	20.8	0.97	6.7	6.5	4.85	10.7	40.2	2.55
2.8	19.8	1.00	6.8	4.4	6.13	10.8	22.9	3.86
2.9	18.5	1.26	6.9	19.9	1.84	10.9	9.1	4.20
3.0	11.3	1.44	7.0	4.6	5.52	11.0	5.3	5.63
3.1	4.5	5.70	7.1	7.5	4.41	11.1	3.5	6.95
3.2	11.9	1.00	7.2	8.9	5.19	11.2	2.1	10.98
3.3	23.5	0.58	7.3	10.0	3.29	11.3	2.1	10.33
3.4	32.2	0.98	7.4	3.5	5.85	11.4	2.5	7.77
3.5	30.6	1.55	7.5	2.9	8.87	11.5	2.8	6.49
3.6	16.9	2.03	7.6	6.8	3.59	11.6	2.4	6.76
3.7	12.4	2.56	7.7	2.5	7.15	11.7	1.9	8.02
3.8	10.5	3.06	7.8	4.0	7.23	11.8	1.7	8.31
3.9	4.6	4.92	7.9	5.1	7.09	11.9	2.8	8.49

ELECTRICAL CONE SITE McKim Ranch M3

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
12.0	6.6	7.12						
12.1	7.1	4.13						
12.2	9.8	2.54						
12.3	7.6	3.01						
12.4	4.8	3.83						
12.5	4.2	4.25						
12.6	4.1	5.72						
12.7	12.4	2.57						
12.8	4.7	52.59						
12.9	212.9	0.00						

ELECTRICAL CONE SITE McKim Ranch M4

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
0.0	0.0	0.00	4.0	16.8	0.81	8.0	11.9	4.55
0.1	0.0	0.00	4.1	11.1	2.15	8.1	12.6	4.22
0.2	0.0	0.00	4.2	12.6	1.06	8.2	11.0	4.14
0.3	0.0	0.00	4.3	21.7	1.18	8.3	10.0	4.08
0.4	51.4	3.64	4.4	13.3	3.28	8.4	8.9	3.93
0.5	39.6	4.73	4.5	4.0	3.37	8.5	7.9	4.18
0.6	22.0	4.88	4.6	2.1	9.16	8.6	6.2	3.29
0.7	12.4	4.96	4.7	4.8	4.28	8.7	6.6	3.87
0.8	9.8	5.59	4.8	10.3	3.65	8.8	9.0	3.94
0.9	7.9	6.60	4.9	7.6	8.94	8.9	8.6	3.69
1.0	4.8	7.20	5.0	8.7	7.18	9.0	9.4	3.66
1.1	7.9	8.67	5.1	6.4	6.46	9.1	10.1	3.22
1.2	8.1	5.19	5.2	3.7	6.45	9.2	9.9	3.05
1.3	5.7	7.81	5.3	20.5	0.81	9.3	9.6	2.66
1.4	4.1	7.71	5.4	21.7	1.11	9.4	8.1	2.69
1.5	3.1	7.38	5.5	42.5	0.79	9.5	7.4	2.75
1.6	4.2	3.54	5.6	50.1	0.92	9.6	7.7	2.51
1.7	9.5	1.25	5.7	51.1	0.63	9.7	12.3	3.56
1.8	5.9	3.21	5.8	25.7	0.73	9.8	38.5	1.88
1.9	1.6	7.64	5.9	11.6	1.87	9.9	47.7	1.53
2.0	1.6	12.67	6.0	4.2	3.11	10.0	59.8	1.26
2.1	4.5	2.55	6.1	3.7	3.98	10.1	59.2	1.23
2.2	5.1	4.10	6.2	5.7	2.74	10.2	33.0	1.74
2.3	5.4	3.69	6.3	5.1	3.69	10.3	14.0	2.28
2.4	12.2	1.14	6.4	6.6	2.79	10.4	8.8	2.65
2.5	6.6	2.44	6.5	8.0	2.13	10.5	30.6	0.92
2.6	1.9	4.47	6.6	6.2	1.81	10.6	16.3	1.99
2.7	0.1	**.**	6.7	7.6	3.90	10.7	11.5	2.94
2.8	8.8	8.13	6.8	17.0	3.79	10.8	18.4	1.67
2.9	10.0	5.87	6.9	19.2	5.21	10.9	12.0	2.33
3.0	5.8	6.83	7.0	21.6	5.36	11.0	8.2	2.35
3.1	4.9	3.28	7.1	17.7	5.27	11.1	6.9	2.58
3.2	5.2	3.85	7.2	14.4	4.92	11.2	77.8	1.09
3.3	3.0	4.99	7.3	17.7	4.83	11.3	252.6	0.92
3.4	0.4	52.44	7.4	17.1	4.52	11.4	373.6	0.00
3.5	2.8	4.67	7.5	11.9	4.75	11.5	365.7	0.00
3.6	0.7	21.33	7.6	10.6	4.50	11.6	353.6	0.00
3.7	5.4	8.38	7.7	7.9	5.15			
3.8	6.1	7.87	7.8	13.3	4.54			
3.9	9.5	1.80	7.9	11.8	4.63			

ELECTRICAL CONE SITE McKim Ranch M5

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
0.0	0.0	0.73	4.0	24.8	6.43			
0.1	0.0	0.73	4.1	23.2	7.07			
0.2	0.0	0.73	4.2	23.2	6.84			
0.3	0.0	0.73	4.3	22.8	7.23			
0.4	37.9	1.80	4.4	24.9	6.88			
0.5	37.2	2.02	4.5	23.6	6.34			
0.6	47.3	1.30	4.6	22.1	5.98			
0.7	59.6	1.10	4.7	21.3	5.71			
0.8	93.0	0.91	4.8	16.8	5.58			
0.9	74.7	0.94	4.9	29.9	3.81			
1.0	52.5	1.07	5.0	24.9	5.78			
1.1	46.0	0.74	5.1	20.0	5.82			
1.2	37.8	0.75	5.2	16.6	5.19			
1.3	19.1	2.71	5.3	22.5	4.36			
1.4	13.9	3.73	5.4	33.6	3.72			
1.5	22.3	2.09	5.5	44.6	2.89			
1.6	15.7	3.34	5.6	53.4	1.93			
1.7	11.9	3.11	5.7	56.3	1.53			
1.8	8.0	3.54	5.8	48.5	1.84			
1.9	6.8	5.82	5.9	44.9	2.44			
2.0	8.2	4.28	6.0	52.4	1.59			
2.1	6.8	4.53	6.1	67.3	1.16			
2.2	5.7	5.19	6.2	60.9	1.84			
2.3	7.8	8.56	6.3	49.7	2.45			
2.4	9.9	8.80	6.4	46.6	3.08			
2.5	9.0	4.77	6.5	46.6	2.88			
2.6	6.9	6.99	6.6	50.5	2.74			
2.7	30.8	2.34	6.7	64.2	1.96			
2.8	33.9	3.38	6.8	70.5	1.42			
2.9	15.0	5.51	6.9	62.9	1.75			
3.0	11.3	8.50	7.0	72.0	1.55			
3.1	11.8	8.89						
3.2	11.8	7.66						
3.3	9.5	8.26						
3.4	12.3	8.36						
3.5	13.2	9.10						
3.6	13.9	8.64						
3.7	9.7	9.92						
3.8	16.2	8.30						
3.9	22.9	7.11						

ELECTRICAL CONE SITE McKim Ranch M6

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	7.11	4.0	35.7	0.77	8.0	40.9	1.51
0.1	0.0	7.11	4.1	38.9	0.60	8.1	58.6	1.69
0.2	0.0	7.11	4.2	40.0	0.73	8.2	25.2	3.85
0.3	0.0	7.11	4.3	41.2	0.79	8.3	24.4	4.78
0.4	28.5	0.64	4.4	49.3	0.78	8.4	40.8	2.63
0.5	25.9	0.57	4.5	50.4	0.84	8.5	28.6	4.40
0.6	20.3	0.82	4.6	43.9	0.89	8.6	30.9	3.60
0.7	24.4	1.00	4.7	37.0	0.99	8.7	20.4	2.69
0.8	56.9	0.66	4.8	46.5	0.62	8.8	7.7	5.08
0.9	58.1	0.64	4.9	17.9	1.81	8.9	5.2	7.04
1.0	72.6	0.69	5.0	7.2	2.71	9.0	5.2	6.98
1.1	84.3	1.00	5.1	9.3	2.58			
1.2	90.7	0.79	5.2	14.6	2.39			
1.3	87.8	0.71	5.3	6.7	3.51			
1.4	70.8	0.81	5.4	5.7	5.37			
1.5	55.3	0.81	5.5	9.2	3.73			
1.6	46.3	0.73	5.6	8.9	3.01			
1.7	36.5	0.78	5.7	5.1	5.25			
1.8	24.6	0.88	5.8	5.1	6.51			
1.9	18.9	1.82	5.9	9.8	4.56			
2.0	21.3	0.92	6.0	8.6	4.52			
2.1	26.9	0.47	6.1	7.0	6.96			
2.2	25.8	0.67	6.2	16.2	4.44			
2.3	24.7	1.00	6.3	16.2	5.09			
2.4	35.4	0.47	6.4	15.1	7.39			
2.5	33.3	0.77	6.5	15.1	7.39			
2.6	30.6	0.83	6.6	15.1	7.39			
2.7	27.3	1.19	6.7	14.7	7.59			
2.8	45.7	0.52	6.8	22.0	3.65			
2.9	50.7	0.52	6.9	75.7	1.44			
3.0	32.4	0.52	7.0	89.4	1.45			
3.1	36.2	0.63	7.1	85.7	1.47			
3.2	34.8	0.82	7.2	82.3	1.45			
3.3	36.3	0.66	7.3	63.6	1.59			
3.4	33.9	0.77	7.4	31.7	3.51			
3.5	33.9	0.77	7.5	26.8	2.77			
3.6	36.7	0.77	7.6	10.8	7.29			
3.7	38.8	0.62	7.7	10.8	6.90			
3.8	38.6	0.76	7.8	12.2	6.00			
3.9	37.1	0.68	7.9	10.2	6.91			

ELECTRICAL CONE SITE McKim Ranch M7

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.68	4.0	33.8	0.86	8.0	12.9	5.12
0.1	0.0	0.68	4.1	33.8	0.74	8.1	12.9	4.50
0.2	0.0	0.68	4.2	39.2	0.80	8.2	24.2	4.74
0.3	0.0	0.68	4.3	40.0	0.79	8.3	25.8	3.67
0.4	45.8	0.89	4.4	41.5	0.86	8.4	18.9	4.52
0.5	45.8	1.03	4.5	45.8	0.82	8.5	15.5	3.76
0.6	48.4	1.10	4.6	42.7	0.88	8.6	8.4	4.68
0.7	65.7	0.88	4.7	42.7	0.96	8.7	7.4	5.89
0.8	75.8	0.88	4.8	55.3	0.72	8.8	12.5	2.70
0.9	60.4	0.93	4.9	10.9	3.46	8.9	7.8	4.67
1.0	39.8	0.98	5.0	7.5	4.24	9.0	6.8	5.35
1.1	30.3	0.95	5.1	11.7	4.51	9.1	6.8	5.03
1.2	22.3	1.84	5.2	16.4	3.12	9.2	9.5	3.06
1.3	26.1	0.72	5.3	6.5	4.02	9.3	8.3	3.51
1.4	21.4	1.30	5.4	6.5	5.00	9.4	6.8	4.59
1.5	17.5	1.91	5.5	12.6	3.11	9.5	6.0	5.20
1.6	24.6	0.66	5.6	8.2	3.60	9.6	5.5	5.67
1.7	27.5	0.88	5.7	7.0	4.76	9.7	9.4	2.87
1.8	29.5	0.93	5.8	6.2	6.16	9.8	6.9	4.46
1.9	30.8	0.80	5.9	13.6	4.83	9.9	9.5	4.42
2.0	28.2	0.87	6.0	13.4	4.27	10.0	8.8	3.85
2.1	30.1	0.82	6.1	12.2	4.89	10.1	7.2	4.49
2.2	30.1	0.82	6.2	13.6	4.79	10.2	7.2	4.71
2.3	31.3	0.67	6.3	15.2	5.80	10.3	16.1	2.77
2.4	32.2	0.79	6.4	16.5	6.95	10.4	17.3	3.20
2.5	28.6	0.74	6.5	18.5	7.49	10.5	10.2	3.84
2.6	27.4	0.97	6.6	19.8	7.28	10.6	9.6	3.90
2.7	30.4	0.54	6.7	21.2	5.69	10.7	7.4	9.32
2.8	34.1	0.78	6.8	36.4	3.61	10.8	212.6	1.11
2.9	24.3	0.85	6.9	16.1	6.75	10.9	237.3	1.76
3.0	25.4	0.53	7.0	16.3	6.52	11.0	134.2	3.67
3.1	28.8	0.79	7.1	16.3	6.24			
3.2	33.6	0.85	7.2	16.3	6.24			
3.3	35.1	0.91	7.3	15.1	6.88			
3.4	31.9	0.79	7.4	14.3	6.54			
3.5	34.6	0.80	7.5	12.7	7.02			
3.6	34.6	0.80	7.6	13.0	7.99			
3.7	27.2	0.94	7.7	12.2	8.07			
3.8	29.9	0.60	7.8	14.5	6.26			
3.9	31.5	0.86	7.9	18.6	4.20			

ELECTRICAL CONE SITE McKim Ranch M8

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.86	4.0	25.5	0.77	8.0	10.5	5.37
0.1	0.0	0.86	4.1	25.5	0.77	8.1	10.5	4.48
0.2	0.0	0.86	4.2	32.0	0.68	8.2	9.4	6.89
0.3	0.0	0.86	4.3	32.0	0.98	8.3	8.7	4.83
0.4	34.6	1.30	4.4	32.0	0.90	8.4	9.6	4.75
0.5	45.2	1.22	4.5	33.6	0.98	8.5	6.2	10.32
0.6	56.9	1.03	4.6	35.6	0.97	8.6	7.5	9.89
0.7	51.5	1.13	4.7	41.8	0.92	8.7	11.1	5.74
0.8	38.2	1.27	4.8	41.9	0.96	8.8	12.1	3.95
0.9	23.7	1.69	4.9	41.7	0.91	8.9	6.4	6.36
1.0	19.3	1.28	5.0	47.0	0.93	9.0	5.6	6.73
1.1	21.7	0.78	5.1	48.8	1.02	9.1	4.4	8.05
1.2	19.4	0.39	5.2	40.7	1.04	9.2	4.4	7.16
1.3	13.9	0.55	5.3	11.7	4.20	9.3	3.3	8.06
1.4	10.1	0.69	5.4	12.9	2.06	9.4	2.5	10.28
1.5	6.9	0.55	5.5	3.8	4.61	9.5	3.4	7.18
1.6	2.6	9.88	5.6	3.8	5.63	9.6	2.6	8.73
1.7	2.6	7.19	5.7	9.2	3.76	9.7	2.5	12.24
1.8	0.6	25.17	5.8	9.2	4.18	9.8	15.8	2.75
1.9	1.1	17.45	5.9	6.6	6.88	9.9	8.6	5.42
2.0	2.0	8.45	6.0	10.1	3.89	10.0	7.3	3.81
2.1	4.0	2.93	6.1	7.5	5.24	10.1	6.2	5.66
2.2	2.3	5.09	6.2	7.9	5.54	10.2	9.9	3.55
2.3	2.9	4.45	6.3	10.3	6.24	10.3	7.4	4.08
2.4	4.1	5.15	6.4	39.2	1.76	10.4	6.3	4.44
2.5	6.4	3.58	6.5	54.7	2.56	10.5	5.1	4.71
2.6	15.2	7.64	6.6	23.2	5.81	10.6	5.1	4.37
2.7	14.1	10.11	6.7	15.4	5.82	10.7	4.0	5.95
2.8	11.1	4.77	6.8	15.0	7.35	10.8	3.5	13.06
2.9	3.9	7.51	6.9	13.6	8.09	10.9	72.5	0.62
3.0	2.8	8.75	7.0	14.9	6.71			
3.1	1.8	19.67	7.1	13.2	7.73			
3.2	5.4	11.61	7.2	9.4	7.74			
3.3	8.4	9.45	7.3	10.6	7.32			
3.4	9.5	10.87	7.4	13.5	7.45			
3.5	7.4	11.11	7.5	12.8	7.32			
3.6	5.3	12.23	7.6	12.3	7.05			
3.7	32.9	1.56	7.7	10.2	7.38			
3.8	34.4	0.75	7.8	7.3	8.85			
3.9	27.0	0.73	7.9	5.6	9.41			

ELECTRICAL CONE SITE Northend N1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	104.8	1.10	8.0	9.4	4.36
0.1	0.0	0.00	4.1	102.6	0.97	8.1	9.2	3.26
0.2	0.0	0.00	4.2	108.7	1.02	8.2	11.4	2.62
0.3	0.0	0.00	4.3	100.0	1.26	8.3	11.7	4.44
0.4	41.0	2.92	4.4	83.4	1.32	8.4	24.8	3.84
0.5	32.6	3.14	4.5	97.2	1.17	8.5	115.7	0.82
0.6	29.7	2.97	4.6	152.9	0.95	8.6	138.5	1.01
0.7	30.9	2.39	4.7	110.1	1.40	8.7	142.8	1.24
0.8	29.4	1.80	4.8	87.6	1.07	8.8	129.1	0.83
0.9	29.6	2.79	4.9	72.3	0.99	8.9	134.7	1.04
1.0	53.4	2.44	5.0	64.9	1.18	9.0	88.5	1.52
1.1	112.3	0.92	5.1	76.4	1.00	9.1	26.6	3.91
1.2	137.0	1.08	5.2	68.5	1.34	9.2	23.6	2.90
1.3	109.5	1.87	5.3	74.1	1.13	9.3	17.3	3.59
1.4	44.3	3.80	5.4	85.7	1.27	9.4	15.7	4.59
1.5	24.4	5.34	5.5	37.0	3.27	9.5	15.6	4.50
1.6	28.3	2.63	5.6	35.1	2.78	9.6	14.5	4.24
1.7	29.4	1.74	5.7	78.2	0.87	9.7	20.5	3.81
1.8	26.9	2.26	5.8	58.8	2.22	9.8	18.5	3.74
1.9	38.3	1.33	5.9	62.9	1.17	9.9	22.9	4.40
2.0	25.4	1.72	6.0	87.1	0.95	10.0	74.8	1.98
2.1	25.5	1.81	6.1	90.8	1.15	10.1	141.5	1.06
2.2	28.3	1.22	6.2	100.2	1.08	10.2	121.8	1.13
2.3	44.5	0.84	6.3	83.5	1.49	10.3	132.6	0.74
2.4	32.8	1.41	6.4	72.0	1.38	10.4	120.8	1.08
2.5	30.3	1.37	6.5	84.7	0.90	10.5	86.7	1.06
2.6	72.0	0.85	6.6	86.4	1.23	10.6	76.3	1.61
2.7	59.9	0.97	6.7	155.6	1.22	10.7	80.7	2.19
2.8	42.7	1.65	6.8	214.3	1.21	10.8	97.3	1.40
2.9	66.7	0.93	6.9	215.8	1.21	10.9	122.0	1.06
3.0	84.1	0.69	7.0	205.7	1.26	11.0	101.8	0.92
3.1	84.7	1.03	7.1	193.6	1.30	11.1	111.0	0.84
3.2	91.5	0.89	7.2	139.7	1.46	11.2	93.7	1.24
3.3	114.9	0.97	7.3	96.2	0.88	11.3	71.8	1.39
3.4	124.0	1.13	7.4	65.1	0.98	11.4	63.7	1.18
3.5	115.0	1.31	7.5	72.3	1.00	11.5	63.8	2.09
3.6	128.4	1.02	7.6	27.2	2.82	11.6	70.8	1.33
3.7	137.4	1.12	7.7	15.6	1.86	11.7	66.8	1.29
3.8	131.5	1.22	7.8	16.1	4.05	11.8	79.0	1.09
3.9	128.2	1.04	7.9	13.4	4.13	11.9	87.1	0.82

ELECTRICAL CONE SITE Northend N1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	40.0	2.98	16.0	29.2	3.59			
12.1	25.3	3.58	16.1	30.3	3.34			
12.2	26.0	4.37	16.2	28.8	3.32			
12.3	23.8	5.21	16.3	27.2	3.34			
12.4	26.2	4.41	16.4	21.6	3.68			
12.5	25.4	2.94	16.5	16.8	3.82			
12.6	24.7	2.77	16.6	20.1	4.70			
12.7	24.2	2.82	16.7	20.3	4.33			
12.8	22.1	2.80	16.8	22.5	4.18			
12.9	19.3	2.98	16.9	25.3	0.00			
13.0	18.6	3.27						
13.1	18.0	3.44						
13.2	29.6	4.33						
13.3	29.4	3.56						
13.4	23.4	3.90						
13.5	21.5	4.34						
13.6	22.7	5.02						
13.7	18.9	5.50						
13.8	16.2	4.84						
13.9	18.8	5.71						
14.0	18.0	6.33						
14.1	13.6	5.12						
14.2	14.7	4.77						
14.3	15.4	3.98						
14.4	15.2	4.54						
14.5	15.3	4.45						
14.6	18.0	5.03						
14.7	21.0	4.98						
14.8	23.9	4.65						
14.9	26.4	5.19						
15.0	23.1	5.57						
15.1	32.2	4.42						
15.2	31.2	4.10						
15.3	31.6	4.21						
15.4	34.2	3.61						
15.5	32.6	3.35						
15.6	33.3	3.39						
15.7	26.5	3.71						
15.8	25.4	3.61						
15.9	25.2	3.79						

ELECTRICAL CONE SITE Northend N2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	3.79	4.0	54.8	1.08	8.0	50.0	1.28
0.1	0.0	3.79	4.1	68.4	1.08	8.1	67.7	0.98
0.2	0.0	3.79	4.2	62.9	1.11	8.2	74.3	0.97
0.3	0.0	3.79	4.3	41.3	1.82	8.3	34.9	2.12
0.4	63.8	2.07	4.4	18.9	2.74	8.4	9.5	3.64
0.5	72.1	1.86	4.5	18.8	2.77	8.5	7.0	4.05
0.6	70.6	1.33	4.6	54.1	1.17	8.6	12.5	3.63
0.7	65.5	1.44	4.7	52.2	1.48	8.7	14.3	3.43
0.8	61.5	1.39	4.8	56.8	1.33	8.8	12.1	5.79
0.9	52.8	1.35	4.9	75.8	1.29	8.9	16.5	5.80
1.0	44.5	1.23	5.0	83.4	1.31	9.0	12.9	5.90
1.1	38.7	1.05	5.1	98.5	1.23	9.1	10.2	4.71
1.2	28.0	1.38	5.2	113.7	1.18	9.2	9.0	5.06
1.3	21.9	1.63	5.3	85.4	1.48	9.3	12.5	4.38
1.4	20.1	1.40	5.4	51.2	2.62	9.4	22.2	4.37
1.5	16.5	1.49	5.5	34.7	2.81	9.5	60.4	2.22
1.6	14.3	1.95	5.6	74.2	0.92	9.6	104.5	0.90
1.7	13.1	1.77	5.7	86.6	1.10	9.7	108.3	1.21
1.8	15.8	1.87	5.8	91.8	1.24	9.8	119.5	0.95
1.9	9.7	3.01	5.9	83.5	1.28	9.9	108.1	0.73
2.0	8.5	3.58	6.0	89.1	1.13	10.0	86.0	1.12
2.1	15.8	1.49	6.1	93.0	1.08	10.1	65.4	0.87
2.2	17.9	1.36	6.2	127.3	0.99	10.2	49.8	1.38
2.3	15.5	1.04	6.3	137.6	1.05	10.3	46.2	1.65
2.4	243.8	0.08	6.4	111.6	1.11	10.4	81.7	0.88
2.5	29.2	12.81	6.5	91.1	1.05	10.5	69.5	1.54
2.6	8.0	3.48	6.6	67.3	1.70	10.6	52.3	1.92
2.7	3.8	4.22	6.7	16.9	3.38	10.7	21.1	4.51
2.8	3.5	7.72	6.8	12.8	2.17	10.8	28.6	3.90
2.9	4.9	6.58	6.9	9.5	2.79	10.9	52.2	2.43
3.0	4.5	8.36	7.0	8.2	3.63	11.0	76.3	1.86
3.1	6.5	4.27	7.1	8.5	4.68	11.1	77.9	1.55
3.2	24.8	1.24	7.2	9.3	5.01	11.2	68.9	1.83
3.3	41.0	1.26	7.3	9.0	4.25	11.3	66.9	1.61
3.4	57.4	1.08	7.4	9.4	4.39	11.4	100.3	0.83
3.5	82.4	1.00	7.5	9.7	5.42	11.5	65.3	1.63
3.6	68.5	1.07	7.6	11.6	5.28	11.6	19.4	2.96
3.7	56.5	1.12	7.7	10.0	4.68	11.7	14.9	2.47
3.8	36.2	1.13	7.8	9.9	5.35	11.8	12.8	3.69
3.9	38.1	1.17	7.9	16.7	3.30	11.9	15.2	4.69

ELECTRICAL CONE SITE Northend N2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	11.9	4.21	16.0	27.7	3.80			
12.1	10.4	5.29	16.1	28.8	3.13			
12.2	19.9	3.09	16.2	27.0	3.03			
12.3	22.4	2.92	16.3	27.1	2.76			
12.4	18.1	3.74	16.4	27.7	3.27			
12.5	19.3	3.14	16.5	7.7	11.42			
12.6	16.8	3.50	16.6	13.9	7.36			
12.7	17.7	4.65	16.7	12.4	0.00			
12.8	16.7	4.66						
12.9	22.0	5.86						
13.0	17.4	5.62						
13.1	22.3	3.38						
13.2	15.2	5.76						
13.3	21.9	5.79						
13.4	18.3	5.27						
13.5	16.7	5.17						
13.6	15.4	4.79						
13.7	14.6	4.19						
13.8	12.2	4.33						
13.9	21.4	5.32						
14.0	24.1	5.25						
14.1	22.5	5.02						
14.2	20.7	5.32						
14.3	19.6	4.80						
14.4	14.5	4.70						
14.5	14.7	4.58						
14.6	20.1	4.72						
14.7	23.6	4.54						
14.8	26.5	5.10						
14.9	25.2	4.74						
15.0	18.6	4.99						
15.1	16.0	4.57						
15.2	15.3	3.79						
15.3	14.3	3.95						
15.4	14.6	4.54						
15.5	14.5	4.32						
15.6	14.5	4.01						
15.7	25.6	3.39						
15.8	28.7	3.73						
15.9	29.9	3.12						

ELECTRICAL CONE SITE Northend N3

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	3.12	4.0	25.4	3.93	8.0	109.9	2.47
0.1	0.0	3.12	4.1	27.3	3.46	8.1	120.9	2.55
0.2	0.0	3.12	4.2	26.7	3.13	8.2	109.1	2.55
0.3	0.0	3.12	4.3	46.1	1.93	8.3	125.1	2.41
0.4	26.0	4.48	4.4	56.6	2.66	8.4	125.5	2.70
0.5	26.0	3.96	4.5	78.9	1.87	8.5	100.6	2.98
0.6	38.4	4.03	4.6	69.4	2.60	8.6	90.8	2.43
0.7	18.2	7.09	4.7	56.9	3.22	8.7	137.2	1.87
0.8	15.6	5.91	4.8	147.3	1.58	8.8	158.4	2.15
0.9	26.1	4.22	4.9	138.8	2.17	8.9	157.0	2.36
1.0	25.5	3.88	5.0	147.7	2.15	9.0	164.2	1.94
1.1	30.4	3.35	5.1	161.5	2.11	9.1	156.3	1.92
1.2	41.7	2.27	5.2	168.8	2.25	9.2	95.3	3.26
1.3	59.3	1.66	5.3	173.2	2.25	9.3	31.0	5.44
1.4	47.6	2.35	5.4	157.8	2.29	9.4	16.3	4.98
1.5	30.9	3.17	5.5	127.1	2.50	9.5	13.3	7.16
1.6	8.8	5.02	5.6	91.7	2.29	9.6	10.7	9.00
1.7	8.2	5.04	5.7	76.3	2.36	9.7	10.4	6.70
1.8	8.4	5.40	5.8	75.6	2.90	9.8	12.8	6.49
1.9	17.8	3.27	5.9	100.9	1.80	9.9	11.4	8.21
2.0	21.0	2.40	6.0	122.3	1.62	10.0	12.9	6.49
2.1	24.3	2.10	6.1	175.3	1.68	10.1	11.6	10.48
2.2	31.8	1.54	6.2	170.3	1.98	10.2	12.4	8.10
2.3	35.8	1.81	6.3	201.1	1.94	10.3	13.4	7.57
2.4	26.8	2.22	6.4	242.4	1.98	10.4	72.1	1.73
2.5	35.8	2.30	6.5	263.2	1.98	10.5	101.3	1.98
2.6	12.8	6.36	6.6	269.1	2.00	10.6	122.9	2.15
2.7	16.4	4.90	6.7	237.8	2.22	10.7	124.8	2.01
2.8	31.0	2.06	6.8	193.5	2.50	10.8	72.3	2.54
2.9	26.4	2.93	6.9	155.0	2.47	10.9	47.0	4.37
3.0	38.6	1.96	7.0	133.2	2.32	11.0	17.3	9.47
3.1	44.0	1.71	7.1	124.0	2.07	11.1	19.4	7.63
3.2	47.1	1.79	7.2	116.5	2.18	11.2	17.8	7.36
3.3	26.8	3.75	7.3	94.4	1.99	11.3	12.3	11.40
3.4	44.1	2.31	7.4	83.5	2.73	11.4	13.6	6.22
3.5	41.2	2.42	7.5	24.3	6.67	11.5	14.2	7.01
3.6	39.1	2.64	7.6	25.4	4.35	11.6	11.6	12.17
3.7	61.6	1.70	7.7	77.4	1.50	11.7	8.5	11.92
3.8	46.7	3.19	7.8	97.4	1.65	11.8	10.8	11.80
3.9	29.8	2.83	7.9	114.9	2.25	11.9	39.8	6.63

ELECTRICAL CONE SITE Northend N3

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	183.3	1.74	16.0	31.8	7.92			
12.1	183.0	2.50	16.1	25.3	8.09			
12.2	157.9	2.45	16.2	28.1	8.65			
12.3	141.4	2.29	16.3	22.7	10.22			
12.4	142.8	2.20	16.4	15.7	9.67			
12.5	108.8	3.15	16.5	16.1	8.59			
12.6	69.8	3.90	16.6	18.2	8.83			
12.7	66.8	2.82	16.7	15.7	10.32			
12.8	67.8	2.74	16.8	18.2	8.84			
12.9	59.6	2.86	16.9	9.2	8.72			
13.0	39.2	5.98	17.0	10.9	0.00			
13.1	23.9	8.35						
13.2	70.3	2.02						
13.3	74.2	3.15						
13.4	84.2	2.54						
13.5	84.8	2.56						
13.6	96.2	2.03						
13.7	115.2	1.96						
13.8	144.8	1.94						
13.9	141.4	2.58						
14.0	133.7	2.39						
14.1	145.7	2.34						
14.2	147.3	2.47						
14.3	135.7	2.54						
14.4	119.8	2.66						
14.5	86.8	3.63						
14.6	34.5	7.21						
14.7	23.3	6.64						
14.8	24.1	7.35						
14.9	16.7	9.88						
15.0	22.2	7.48						
15.1	15.0	7.58						
15.2	10.8	6.97						
15.3	7.2	8.58						
15.4	17.5	6.40						
15.5	17.6	9.27						
15.6	32.0	7.90						
15.7	26.1	7.92						
15.8	18.3	8.38						
15.9	20.5	9.65						

ELECTRICAL CONE SITE Bowles Road Bw1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	2.06	4.0	15.1	0.75	8.0	12.5	4.47
0.1	0.0	2.06	4.1	29.2	0.94	8.1	16.0	4.56
0.2	0.0	2.06	4.2	35.4	0.62	8.2	16.0	4.29
0.3	0.0	2.06	4.3	53.6	0.83	8.3	16.2	4.12
0.4	21.9	6.30	4.4	48.9	1.05	8.4	13.2	3.24
0.5	17.9	4.81	4.5	30.2	1.28	8.5	10.0	2.10
0.6	14.9	4.03	4.6	26.7	1.10	8.6	10.9	1.71
0.7	12.5	3.76	4.7	33.0	1.06	8.7	9.3	2.34
0.8	10.3	4.27	4.8	31.1	1.14	8.8	9.1	2.30
0.9	14.5	1.79	4.9	22.3	1.49	8.9	9.2	1.99
1.0	27.2	1.12	5.0	16.8	0.94	9.0	9.2	1.87
1.1	12.7	1.84	5.1	13.2	1.88	9.1	9.1	2.60
1.2	9.2	1.33	5.2	5.4	2.37	9.2	15.6	1.52
1.3	6.7	2.69	5.3	4.1	1.44	9.3	13.7	2.31
1.4	32.1	0.76	5.4	3.9	1.41	9.4	31.3	1.56
1.5	25.8	1.19	5.5	3.2	2.28	9.5	42.8	0.60
1.6	23.4	1.12	5.6	4.2	3.45	9.6	26.4	2.12
1.7	20.3	1.10	5.7	5.9	1.95	9.7	19.3	1.64
1.8	14.9	1.26	5.8	4.8	2.09	9.8	22.0	1.84
1.9	13.6	0.73	5.9	4.9	1.47	9.9	33.6	0.98
2.0	12.9	1.22	6.0	4.5	3.25	10.0	44.6	1.04
2.1	6.0	2.28	6.1	7.6	5.98	10.1	36.3	1.23
2.2	2.9	1.38	6.2	17.8	4.48	10.2	37.3	0.94
2.3	1.8	2.17	6.3	17.2	4.64	10.3	49.6	0.56
2.4	2.0	2.76	6.4	17.8	5.40	10.4	48.0	0.69
2.5	1.5	2.37	6.5	19.3	4.78	10.5	38.4	1.28
2.6	4.1	3.25	6.6	16.8	4.98	10.6	33.3	1.48
2.7	21.3	0.34	6.7	18.2	4.43	10.7	49.0	0.73
2.8	6.6	1.95	6.8	22.5	4.47	10.8	52.3	0.72
2.9	18.6	0.48	6.9	20.5	4.73	10.9	34.5	1.07
3.0	24.7	0.93	7.0	17.3	5.30	11.0	10.7	1.50
3.1	18.1	1.00	7.1	17.3	4.82	11.1	9.3	1.25
3.2	21.2	0.71	7.2	16.1	4.02	11.2	8.1	1.27
3.3	23.1	0.79	7.3	12.7	4.43	11.3	7.4	1.70
3.4	25.3	0.84	7.4	11.8	3.19	11.4	9.1	2.51
3.5	18.9	1.37	7.5	9.7	2.60	11.5	22.9	1.25
3.6	9.6	1.73	7.6	9.2	3.47	11.6	17.7	2.18
3.7	8.8	0.96	7.7	7.8	4.40	11.7	40.9	0.73
3.8	5.4	3.06	7.8	7.0	6.11	11.8	42.0	1.11
3.9	8.0	2.01	7.9	12.4	5.07	11.9	27.8	1.33

ELECTRICAL CONE SITE Bowles Road Bw1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	22.3	2.45	16.0	9.8	1.67			
12.1	62.9	0.69	16.1	7.2	2.59			
12.2	55.2	1.89	16.2	12.6	2.06			
12.3	69.3	1.25	16.3	12.9	2.91			
12.4	110.9	0.91	16.4	29.5	1.72			
12.5	101.9	0.78	16.5	42.1	1.29			
12.6	97.3	0.91	16.6	26.1	2.04			
12.7	98.8	0.74	16.7	10.8	1.81			
12.8	100.7	0.76	16.8	10.2	2.38			
12.9	134.8	0.90	16.9	35.1	1.59			
13.0	122.8	1.05	17.0	12.1	1.77			
13.1	136.1	1.21	17.1	9.7	1.78			
13.2	142.9	1.14	17.2	10.3	2.25			
13.3	171.0	1.20	17.3	9.5	2.27			
13.4	163.8	1.29	17.4	16.7	3.23			
13.5	130.7	1.37	17.5	109.8	1.13			
13.6	90.7	2.12	17.6	114.4	1.34			
13.7	29.9	3.47	17.7	109.9	1.13			
13.8	19.3	3.52	17.8	87.4	1.33			
13.9	20.0	4.52	17.9	70.2	1.33			
14.0	17.8	5.52	18.0	60.7	0.00			
14.1	16.2	4.33						
14.2	10.1	2.83						
14.3	13.9	3.59						
14.4	19.3	2.68						
14.5	17.8	2.23						
14.6	10.4	1.70						
14.7	9.4	2.54						
14.8	15.5	2.63						
14.9	24.2	1.86						
15.0	17.0	2.81						
15.1	18.9	2.49						
15.2	24.1	1.81						
15.3	15.1	3.14						
15.4	21.3	2.47						
15.5	36.5	1.61						
15.6	14.6	3.07						
15.7	23.8	1.38						
15.8	13.1	1.74						
15.9	10.6	1.68						

ELECTRICAL CONE SITE Bowles Road Bw2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.63	4.0	52.5	1.03	8.0	14.9	7.45
0.1	0.0	0.63	4.1	61.1	0.91	8.1	11.8	7.48
0.2	0.0	0.63	4.2	80.9	0.84	8.2	11.0	7.05
0.3	0.0	0.63	4.3	82.9	0.85	8.3	6.4	8.52
0.4	41.7	4.37	4.4	76.8	0.83	8.4	4.8	9.63
0.5	38.9	4.08	4.5	80.8	0.82	8.5	7.6	7.43
0.6	33.5	4.85	4.6	71.8	0.89	8.6	8.0	7.13
0.7	24.0	5.23	4.7	48.8	1.09	8.7	8.0	5.71
0.8	16.9	6.15	4.8	35.0	0.90	8.8	11.8	3.33
0.9	13.7	8.11	4.9	26.2	1.20	8.9	9.3	3.42
1.0	13.0	7.62	5.0	43.6	0.58	9.0	7.9	4.78
1.1	11.6	6.13	5.1	40.4	1.06	9.1	13.6	6.68
1.2	9.2	5.98	5.2	22.1	1.93	9.2	18.0	6.21
1.3	7.7	5.75	5.3	18.1	1.07	9.3	18.0	6.24
1.4	8.5	5.32	5.4	5.7	4.18	9.4	17.0	5.79
1.5	9.4	4.60	5.5	4.1	3.85	9.5	16.2	5.81
1.6	8.6	5.12	5.6	3.1	4.87	9.6	13.0	6.10
1.7	17.9	3.51	5.7	8.2	2.40	9.7	12.6	6.75
1.8	11.0	5.12	5.8	10.1	1.87	9.8	33.9	2.07
1.9	8.3	5.51	5.9	14.8	1.91	9.9	72.3	0.62
2.0	7.3	6.21	6.0	8.7	2.68	10.0	54.9	1.04
2.1	25.5	0.94	6.1	7.2	4.63	10.1	25.5	3.18
2.2	24.0	0.90	6.2	18.4	1.83	10.2	33.5	1.04
2.3	20.4	1.15	6.3	21.8	1.00	10.3	10.8	2.64
2.4	23.5	1.09	6.4	11.4	5.35	10.4	6.9	2.70
2.5	24.2	1.24	6.5	62.1	0.92	10.5	4.0	5.25
2.6	50.9	0.93	6.6	108.4	0.83	10.6	3.5	6.46
2.7	60.6	1.04	6.7	136.6	0.93	10.7	4.3	5.35
2.8	52.7	1.06	6.8	129.3	1.02	10.8	4.1	5.32
2.9	68.9	0.75	6.9	112.1	0.90	10.9	4.4	5.84
3.0	53.4	0.92	7.0	79.4	1.22	11.0	20.0	1.99
3.1	36.0	1.26	7.1	26.0	4.13	11.1	11.3	4.48
3.2	23.1	1.52	7.2	14.2	5.95	11.2	13.1	2.66
3.3	23.3	1.12	7.3	13.0	5.60	11.3	42.7	1.31
3.4	46.9	0.78	7.4	11.0	6.32	11.4	46.1	2.54
3.5	51.7	0.95	7.5	15.3	6.28	11.5	73.3	1.51
3.6	37.1	1.17	7.6	19.8	6.26	11.6	118.0	0.91
3.7	49.5	0.81	7.7	20.5	6.14	11.7	72.6	2.03
3.8	49.9	0.99	7.8	24.3	5.44	11.8	36.6	3.79
3.9	57.2	0.90	7.9	22.8	6.05	11.9	184.7	0.83

ELECTRICAL CONE SITE Bowles Road Bw2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	192.2	1.12						
12.1	261.7	1.18						
12.2	253.7	1.37						
12.3	195.6	1.28						
12.4	191.8	1.16						
12.5	181.5	0.00						

ELECTRICAL CONE SITE Young Road Y1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	7.0	3.38	8.0	15.6	5.68
0.1	0.0	0.00	4.1	19.4	0.82	8.1	16.0	5.23
0.2	0.0	0.00	4.2	21.1	1.38	8.2	16.6	5.00
0.3	0.0	0.00	4.3	20.0	1.50	8.3	17.0	4.74
0.4	22.2	5.06	4.4	17.2	1.29	8.4	16.3	4.83
0.5	18.3	4.84	4.5	15.4	1.08	8.5	16.6	5.09
0.6	13.3	3.14	4.6	10.7	1.78	8.6	16.1	5.28
0.7	9.2	3.62	4.7	9.6	0.87	8.7	14.4	5.23
0.8	8.4	4.74	4.8	8.5	1.82	8.8	10.9	5.36
0.9	9.6	5.37	4.9	3.7	2.47	8.9	8.0	4.79
1.0	18.2	4.28	5.0	2.9	2.39	9.0	9.9	4.76
1.1	61.2	0.98	5.1	1.9	2.46	9.1	10.6	4.15
1.2	37.6	1.00	5.2	1.4	9.49	9.2	8.2	2.85
1.3	15.3	2.04	5.3	25.8	0.94	9.3	5.9	3.49
1.4	18.0	1.07	5.4	23.3	1.38	9.4	3.4	5.87
1.5	15.8	1.49	5.5	16.4	1.77	9.5	11.3	2.16
1.6	12.3	1.59	5.6	11.5	2.59	9.6	9.1	1.91
1.7	32.8	0.79	5.7	7.6	1.64	9.7	6.5	3.97
1.8	47.1	0.95	5.8	3.0	6.71	9.8	26.5	1.81
1.9	42.5	1.11	5.9	5.4	5.99	9.9	26.5	1.68
2.0	20.6	1.67	6.0	59.9	0.87	10.0	11.2	4.16
2.1	24.1	0.74	6.1	75.7	1.05	10.1	17.2	2.45
2.2	27.4	1.09	6.2	57.5	1.26	10.2	11.1	2.47
2.3	19.2	1.47	6.3	42.7	1.16	10.3	6.5	3.53
2.4	22.0	1.08	6.4	35.2	1.39	10.4	10.2	3.80
2.5	36.8	1.06	6.5	26.4	1.32	10.5	25.8	1.27
2.6	24.3	1.17	6.6	19.3	1.89	10.6	38.0	1.30
2.7	17.5	1.50	6.7	26.0	1.18	10.7	21.2	1.92
2.8	12.2	2.01	6.8	38.6	0.96	10.8	7.1	4.31
2.9	5.2	2.34	6.9	22.7	1.84	10.9	5.5	7.26
3.0	7.3	1.97	7.0	6.6	3.24	11.0	7.2	5.13
3.1	10.4	1.15	7.1	4.4	4.64	11.1	5.3	2.60
3.2	17.7	0.90	7.2	3.6	7.54	11.2	3.0	3.08
3.3	23.6	1.06	7.3	4.5	5.58	11.3	3.3	2.79
3.4	27.1	1.20	7.4	6.3	6.60	11.4	4.9	2.49
3.5	18.9	1.51	7.5	7.6	8.05	11.5	4.8	2.93
3.6	13.2	1.72	7.6	10.6	5.72	11.6	4.9	2.84
3.7	6.0	2.28	7.7	9.3	4.49	11.7	5.0	3.01
3.8	4.9	3.03	7.8	4.2	5.69	11.8	6.7	2.93
3.9	10.3	1.38	7.9	6.7	7.60	11.9	6.6	2.86

ELECTRICAL CONE SITE Young Road Y1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	10.4	4.41						
12.1	21.0	1.77						
12.2	30.8	2.20						
12.3	28.8	2.10						
12.4	37.7	1.06						
12.5	41.4	1.72						
12.6	32.6	2.26						
12.7	39.1	1.10						
12.8	17.2	2.30						
12.9	7.0	2.81						
13.0	6.4	4.04						
13.1	11.5	3.22						
13.2	25.6	2.69						
13.3	64.6	0.64						
13.4	71.6	0.78						
13.5	65.8	0.94						
13.6	54.6	1.62						
13.7	64.4	1.53						
13.8	152.8	1.07						
13.9	166.6	1.07						
14.0	138.8	1.33						
14.1	110.6	1.29						
14.2	112.5	1.28						
14.3	126.2	0.98						
14.4	152.9	0.93						
14.5	177.5	1.22						
14.6	165.0	1.53						
14.7	152.0	1.45						
14.8	142.0	1.37						
14.9	183.8	0.90						
15.0	181.2	1.07						
15.1	181.0	0.00						

ELECTRICAL CONE SITE Young Road Y2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	78.2	1.11	8.0	9.0	5.83
0.1	0.0	0.00	4.1	68.9	1.15	8.1	8.4	6.57
0.2	0.0	0.00	4.2	75.4	1.09	8.2	14.5	5.74
0.3	0.0	0.00	4.3	81.5	1.09	8.3	19.6	5.19
0.4	25.7	3.05	4.4	76.9	1.07	8.4	17.7	5.09
0.5	22.3	3.89	4.5	78.7	1.08	8.5	13.0	5.03
0.6	16.7	4.21	4.6	78.2	1.10	8.6	7.9	5.97
0.7	12.2	4.18	4.7	73.0	1.16	8.7	10.2	5.74
0.8	9.2	3.90	4.8	69.4	1.14	8.8	14.6	5.87
0.9	6.3	3.39	4.9	74.9	1.09	8.9	18.6	5.48
1.0	3.8	5.09	5.0	76.4	1.03	9.0	18.6	5.63
1.1	5.4	3.84	5.1	79.5	1.08	9.1	18.7	4.98
1.2	4.9	2.62	5.2	71.5	1.10	9.2	19.5	5.06
1.3	6.2	2.66	5.3	50.9	1.48	9.3	18.4	5.25
1.4	14.8	1.41	5.4	14.0	3.65	9.4	18.9	5.16
1.5	7.3	2.89	5.5	12.7	2.36	9.5	20.0	4.81
1.6	6.2	2.97	5.6	9.0	2.51	9.6	20.0	4.00
1.7	27.1	1.16	5.7	3.1	4.29	9.7	13.0	5.21
1.8	42.9	1.07	5.8	6.6	1.72	9.8	7.3	5.81
1.9	58.2	1.10	5.9	2.7	2.93	9.9	5.6	8.84
2.0	46.4	1.23	6.0	5.3	3.56	10.0	11.4	6.82
2.1	42.2	1.16	6.1	39.4	0.86	10.1	17.1	5.30
2.2	53.3	1.08	6.2	55.1	1.07	10.2	17.7	5.15
2.3	69.8	1.06	6.3	42.2	1.48	10.3	16.2	5.02
2.4	68.3	1.22	6.4	29.1	1.58	10.4	11.9	5.46
2.5	47.5	1.22	6.5	24.5	1.00	10.5	12.8	5.44
2.6	49.7	1.15	6.6	15.8	2.40	10.6	36.1	1.39
2.7	44.8	1.18	6.7	45.7	0.85	10.7	8.6	2.92
2.8	43.9	1.10	6.8	44.8	1.33	10.8	6.6	4.16
2.9	32.4	1.32	6.9	15.5	3.00	10.9	25.0	2.69
3.0	23.9	1.42	7.0	8.7	3.90	11.0	49.6	1.03
3.1	35.9	1.00	7.1	9.5	3.37	11.1	60.4	0.82
3.2	42.7	1.16	7.2	6.5	3.79	11.2	45.2	0.83
3.3	40.7	1.26	7.3	38.6	0.99	11.3	24.3	1.81
3.4	47.5	1.10	7.4	67.2	1.20	11.4	10.4	3.17
3.5	74.3	1.05	7.5	64.8	1.38	11.5	10.3	2.41
3.6	80.0	1.07	7.6	33.0	3.03	11.6	7.7	2.34
3.7	85.8	1.09	7.7	17.1	4.11	11.7	5.9	2.39
3.8	92.3	1.03	7.8	12.7	4.70	11.8	5.3	2.97
3.9	95.6	1.08	7.9	13.0	4.77	11.9	5.0	2.83

ELECTRICAL CONE SITE Young Road Y2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	4.4	3.16	16.0	202.5	0.00			
12.1	3.8	3.94						
12.2	4.2	5.51						
12.3	5.6	6.05						
12.4	15.4	4.15						
12.5	13.5	4.30						
12.6	12.5	2.25						
12.7	7.1	1.84						
12.8	3.2	1.85						
12.9	2.5	2.04						
13.0	2.9	5.23						
13.1	5.5	7.07						
13.2	8.9	5.08						
13.3	6.8	4.88						
13.4	14.1	4.30						
13.5	16.5	3.89						
13.6	16.5	4.66						
13.7	13.5	4.59						
13.8	12.4	3.24						
13.9	12.7	3.45						
14.0	58.0	0.59						
14.1	58.2	1.27						
14.2	47.7	1.27						
14.3	42.9	2.00						
14.4	58.2	0.90						
14.5	35.7	1.70						
14.6	12.9	2.79						
14.7	11.8	3.55						
14.8	36.1	1.31						
14.9	39.1	1.50						
15.0	40.3	1.61						
15.1	48.4	1.15						
15.2	72.0	1.33						
15.3	59.4	1.32						
15.4	52.2	1.42						
15.5	40.1	2.23						
15.6	38.4	2.87						
15.7	51.2	1.85						
15.8	42.8	2.83						
15.9	147.6	0.93						

ELECTRICAL CONE SITE Young Road Y3

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
0.0	0.0	0.93	4.0	31.5	1.05	8.0	7.7	5.40
0.1	0.0	0.93	4.1	55.2	1.00	8.1	25.2	1.64
0.2	0.0	0.93	4.2	70.0	1.01	8.2	33.1	0.89
0.3	0.0	0.93	4.3	63.7	1.10	8.3	28.5	1.96
0.4	22.3	1.07	4.4	53.0	1.22	8.4	22.3	2.61
0.5	17.9	1.85	4.5	51.3	1.22	8.5	15.2	3.31
0.6	16.5	3.63	4.6	64.0	1.17	8.6	13.4	3.71
0.7	15.3	3.16	4.7	92.2	0.92	8.7	11.3	3.40
0.8	13.5	4.41	4.8	100.8	0.94	8.8	8.7	3.75
0.9	14.3	2.28	4.9	106.1	0.99	8.9	8.8	4.19
1.0	19.8	1.43	5.0	99.9	0.95	9.0	10.8	5.82
1.1	8.9	3.05	5.1	96.7	0.99	9.1	46.7	1.30
1.2	5.7	2.57	5.2	97.9	0.99	9.2	49.9	1.54
1.3	5.6	3.79	5.3	93.7	1.01	9.3	24.6	4.64
1.4	21.1	1.28	5.4	103.4	0.95	9.4	11.8	8.70
1.5	57.5	0.77	5.5	106.3	0.95	9.5	10.8	6.05
1.6	66.9	0.95	5.6	123.4	0.88	9.6	10.6	4.52
1.7	47.6	1.17	5.7	126.1	0.89	9.7	12.3	4.04
1.8	28.1	1.33	5.8	122.0	0.87	9.8	11.5	3.00
1.9	26.1	1.17	5.9	110.8	0.91	9.9	6.9	4.03
2.0	20.9	1.38	6.0	90.7	0.93	10.0	8.7	6.13
2.1	15.2	1.48	6.1	57.2	1.10	10.1	15.7	2.79
2.2	16.9	0.91	6.2	37.3	1.64	10.2	16.4	2.83
2.3	5.6	2.67	6.3	11.8	2.38	10.3	15.2	3.30
2.4	3.3	4.38	6.4	5.3	2.94	10.4	12.6	2.35
2.5	3.5	3.89	6.5	5.7	5.29	10.5	26.2	0.88
2.6	4.6	2.85	6.6	33.7	1.04	10.6	71.1	0.39
2.7	7.2	2.09	6.7	26.6	1.56	10.7	53.3	0.49
2.8	13.0	0.82	6.8	14.2	1.71	10.8	95.6	0.20
2.9	13.7	2.01	6.9	5.9	6.59	10.9	113.7	0.13
3.0	33.5	0.59	7.0	24.4	1.41	11.0	99.7	0.35
3.1	28.0	1.23	7.1	6.5	3.00	11.1	102.8	0.47
3.2	19.9	1.67	7.2	4.4	2.85	11.2	47.0	1.13
3.3	44.7	0.56	7.3	9.7	1.59	11.3	15.5	3.29
3.4	61.4	0.93	7.4	6.0	2.85	11.4	11.8	3.91
3.5	60.6	1.07	7.5	5.7	2.20	11.5	10.3	6.84
3.6	57.9	1.06	7.6	6.5	3.36	11.6	10.0	4.63
3.7	54.5	1.00	7.7	7.0	3.04	11.7	9.0	12.94
3.8	39.5	1.19	7.8	6.6	2.61	11.8	18.5	5.11
3.9	28.3	1.26	7.9	5.6	1.83	11.9	20.9	5.24

ELECTRICAL CONE SITE Young Road Y3

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
12.0	20.5	4.83	16.0	124.2	0.23			
12.1	16.0	6.57	16.1	18.0	1.77			
12.2	15.6	8.60	16.2	31.4	2.10			
12.3	15.4	3.13	16.3	32.2	2.66			
12.4	12.8	3.23	16.4	36.0	2.68			
12.5	23.5	2.03	16.5	106.7	0.95			
12.6	38.6	1.08	16.6	102.8	1.13			
12.7	42.1	1.06	16.7	105.9	0.96			
12.8	40.9	1.84	16.8	120.5	0.93			
12.9	31.8	3.04	16.9	150.2	1.68			
13.0	36.2	2.74	17.0	124.6	0.00			
13.1	59.4	1.29						
13.2	58.9	1.38						
13.3	63.8	1.34						
13.4	64.6	1.05						
13.5	58.3	1.42						
13.6	60.5	0.94						
13.7	27.4	2.49						
13.8	13.6	4.36						
13.9	34.3	2.20						
14.0	75.3	0.86						
14.1	77.9	0.84						
14.2	54.2	1.12						
14.3	16.8	3.50						
14.4	11.4	7.85						
14.5	7.6	9.70						
14.6	7.2	8.23						
14.7	9.8	5.72						
14.8	12.6	3.91						
14.9	8.2	8.73						
15.0	9.6	5.78						
15.1	17.1	3.07						
15.2	30.7	2.20						
15.3	31.9	1.53						
15.4	35.1	0.61						
15.5	106.7	0.16						
15.6	102.4	0.18						
15.7	104.9	0.25						
15.8	119.5	0.22						
15.9	149.5	0.12						

ELECTRICAL CONE SITE Young Road Y4

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.12	4.0	62.5	1.91	8.0	13.0	9.28
0.1	0.0	0.12	4.1	78.0	1.78	8.1	18.9	8.38
0.2	0.0	0.12	4.2	84.4	1.79	8.2	13.9	10.46
0.3	0.0	0.12	4.3	88.7	1.71	8.3	15.4	12.07
0.4	38.1	3.47	4.4	84.6	1.90	8.4	20.2	10.62
0.5	31.6	4.16	4.5	50.2	2.74	8.5	18.1	9.35
0.6	34.2	4.29	4.6	65.7	1.37	8.6	12.7	8.87
0.7	49.3	3.19	4.7	103.0	1.62	8.7	9.8	9.49
0.8	44.5	3.11	4.8	111.5	1.57	8.8	11.6	12.75
0.9	65.1	1.78	4.9	122.3	1.65	8.9	19.1	9.47
1.0	60.1	2.27	5.0	91.5	1.88	9.0	18.1	8.24
1.1	35.7	3.15	5.1	57.3	2.09	9.1	15.1	8.26
1.2	19.0	4.14	5.2	52.5	1.74	9.2	28.7	2.69
1.3	10.0	5.07	5.3	28.6	3.23	9.3	13.8	3.97
1.4	19.6	3.20	5.4	13.4	4.26	9.4	16.3	4.21
1.5	28.1	1.59	5.5	10.4	4.99	9.5	25.8	3.36
1.6	17.8	1.96	5.6	30.0	1.62	9.6	28.2	4.15
1.7	15.0	2.89	5.7	8.7	4.57	9.7	42.7	2.79
1.8	22.0	1.31	5.8	3.9	7.06	9.8	56.4	1.93
1.9	13.1	4.65	5.9	8.3	3.27	9.9	69.0	2.04
2.0	25.0	1.66	6.0	7.2	5.06	10.0	100.8	1.07
2.1	61.7	1.65	6.1	10.1	2.98	10.1	86.6	1.47
2.2	64.8	1.89	6.2	7.6	3.10	10.2	43.5	4.02
2.3	76.2	1.73	6.3	3.1	8.01	10.3	26.2	4.78
2.4	91.7	1.61	6.4	10.3	4.69	10.4	33.3	3.15
2.5	88.1	1.69	6.5	26.0	1.68	10.5	16.1	5.61
2.6	67.8	1.95	6.6	21.6	2.26	10.6	16.1	4.26
2.7	52.5	2.08	6.7	23.6	1.28	10.7	12.4	5.43
2.8	46.6	2.02	6.8	23.7	1.90	10.8	15.0	4.93
2.9	45.4	2.03	6.9	20.7	0.93	10.9	16.0	4.24
3.0	62.5	1.59	7.0	7.4	4.27	11.0	11.2	5.87
3.1	69.1	1.79	7.1	2.9	3.56	11.1	16.7	6.97
3.2	69.0	1.84	7.2	7.0	9.92	11.2	17.7	7.94
3.3	73.6	1.76	7.3	5.7	11.76	11.3	23.4	4.66
3.4	70.8	1.83	7.4	5.8	6.81	11.4	17.1	5.43
3.5	70.5	1.85	7.5	12.2	3.52	11.5	31.9	3.35
3.6	73.0	1.98	7.6	7.5	4.39	11.6	48.9	1.79
3.7	73.4	2.05	7.7	4.6	5.22	11.7	60.5	1.46
3.8	95.0	1.72	7.8	5.8	10.57	11.8	75.8	1.43
3.9	95.5	1.81	7.9	8.8	9.84	11.9	53.4	3.62

ELECTRICAL CONE SITE Young Road Y4

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	20.5	6.35	16.0	13.1	3.30			
12.1	22.9	5.36	16.1	11.2	3.35			
12.2	30.0	5.05	16.2	8.6	4.85			
12.3	85.5	2.12	16.3	25.9	2.77			
12.4	161.9	1.50	16.4	13.7	4.84			
12.5	143.4	2.24	16.5	15.7	5.10			
12.6	148.0	1.84	16.6	29.5	4.55			
12.7	182.8	1.81	16.7	44.8	2.62			
12.8	183.7	2.16	16.8	38.2	5.00			
12.9	162.6	2.41	16.9	50.8	3.80			
13.0	144.2	2.58	17.0	51.8	4.32			
13.1	111.5	2.24	17.1	83.2	2.65			
13.2	105.7	1.42	17.2	90.1	2.80			
13.3	63.3	1.95	17.3	73.1	3.87			
13.4	13.8	8.92	17.4	121.6	1.39			
13.5	13.9	10.46	17.5	139.4	0.00			
13.6	13.7	10.70						
13.7	15.3	9.29						
13.8	12.7	8.83						
13.9	15.5	10.09						
14.0	24.3	7.18						
14.1	23.6	6.78						
14.2	23.6	6.66						
14.3	25.2	6.26						
14.4	22.8	5.68						
14.5	17.0	5.95						
14.6	15.6	7.30						
14.7	93.3	1.10						
14.8	56.1	3.03						
14.9	16.7	5.15						
15.0	7.9	5.09						
15.1	7.6	5.28						
15.2	11.2	5.36						
15.3	20.1	5.22						
15.4	29.6	3.49						
15.5	27.6	3.09						
15.6	13.1	4.46						
15.7	12.9	3.46						
15.8	9.5	3.49						
15.9	11.2	4.08						

ELECTRICAL CONE SITE Young Road Y5

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
0.0	0.0	4.08	4.0	38.8	1.18	8.0	99.4	1.21
0.1	0.0	4.08	4.1	39.0	1.18	8.1	55.1	2.10
0.2	0.0	4.08	4.2	39.0	1.15	8.2	19.6	3.28
0.3	0.0	4.08	4.3	63.1	0.98	8.3	12.8	2.59
0.4	21.3	3.00	4.4	82.7	0.94	8.4	15.5	4.03
0.5	29.9	2.20	4.5	87.5	0.96	8.5	14.4	3.26
0.6	40.1	1.40	4.6	78.6	1.03	8.6	13.9	2.62
0.7	32.6	1.58	4.7	83.5	0.97	8.7	17.1	3.63
0.8	18.4	3.50	4.8	97.4	0.95	8.8	21.3	3.72
0.9	13.9	4.37	4.9	91.4	0.99	8.9	25.7	3.28
1.0	12.2	3.66	5.0	76.7	1.06	9.0	26.7	3.11
1.1	18.4	3.64	5.1	67.4	1.08	9.1	22.7	3.08
1.2	34.1	2.20	5.2	70.4	1.04	9.2	13.9	2.73
1.3	49.4	1.70	5.3	86.5	0.97	9.3	11.0	2.40
1.4	29.2	2.39	5.4	108.4	0.90	9.4	12.1	2.38
1.5	16.9	3.23	5.5	111.9	0.88	9.5	12.7	2.34
1.6	16.2	2.97	5.6	112.8	0.89	9.6	14.6	3.61
1.7	54.5	0.86	5.7	104.7	0.92	9.7	20.1	3.77
1.8	48.2	0.66	5.8	103.9	0.90	9.8	16.2	3.29
1.9	31.9	0.93	5.9	105.8	0.90	9.9	26.8	2.68
2.0	18.7	1.28	6.0	118.7	0.89	10.0	40.2	1.18
2.1	17.0	1.45	6.1	122.1	0.87	10.1	48.7	0.99
2.2	17.4	1.00	6.2	130.5	0.87	10.2	57.3	0.82
2.3	27.5	0.65	6.3	130.6	0.88	10.3	42.6	2.15
2.4	19.4	1.62	6.4	135.9	0.85	10.4	51.3	1.54
2.5	17.0	1.32	6.5	151.4	0.83	10.5	85.5	0.69
2.6	24.2	0.90	6.6	152.1	0.84	10.6	78.7	0.97
2.7	42.3	0.83	6.7	152.9	0.86	10.7	64.8	1.03
2.8	64.6	0.69	6.8	150.8	0.82	10.8	31.8	2.59
2.9	45.3	1.22	6.9	153.5	0.89	10.9	46.8	1.25
3.0	31.2	1.28	7.0	151.9	0.95	11.0	77.2	1.01
3.1	27.1	0.68	7.1	153.2	0.96	11.1	71.2	1.11
3.2	30.2	1.12	7.2	154.2	0.93	11.2	53.0	2.03
3.3	60.5	0.66	7.3	144.0	0.94	11.3	44.1	1.60
3.4	70.9	0.98	7.4	113.0	1.12	11.4	57.5	1.50
3.5	72.5	0.96	7.5	86.0	1.29	11.5	57.9	1.31
3.6	58.4	1.16	7.6	70.6	1.15	11.6	49.2	2.17
3.7	44.6	1.11	7.7	89.0	0.98	11.7	67.4	1.30
3.8	43.0	1.08	7.8	97.9	1.05	11.8	48.0	1.98
3.9	38.7	1.15	7.9	108.0	1.08	11.9	27.2	2.13

ELECTRICAL CONE SITE Young Road Y5

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
12.0	18.7	2.62						
12.1	17.7	3.24						
12.2	17.9	2.84						
12.3	49.3	1.46						
12.4	32.2	2.37						
12.5	26.1	2.82						
12.6	112.4	1.15						
12.7	159.1	0.98						
12.8	166.4	1.07						
12.9	151.4	1.04						
13.0	149.6	1.17						
13.1	123.9	1.44						
13.2	54.7	3.31						
13.3	47.8	3.34						
13.4	198.4	1.39						
13.5	219.3	0.00						

ELECTRICAL CONE SITE Young Road Y6

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	78.2	1.94	8.0	5.6	6.29
0.1	0.0	0.00	4.1	65.1	1.90	8.1	7.3	9.58
0.2	0.0	0.00	4.2	56.0	2.05	8.2	9.3	7.86
0.3	0.0	0.00	4.3	53.0	2.08	8.3	31.0	4.16
0.4	45.5	5.78	4.4	62.1	2.00	8.4	15.7	6.19
0.5	38.6	5.47	4.5	71.4	2.04	8.5	19.5	4.25
0.6	44.4	4.11	4.6	59.8	2.34	8.6	39.2	1.58
0.7	43.7	3.50	4.7	66.4	1.68	8.7	60.3	1.94
0.8	23.7	4.92	4.8	84.3	1.66	8.8	48.0	2.41
0.9	12.0	6.07	4.9	84.3	1.83	8.9	30.8	3.17
1.0	9.9	6.23	5.0	71.5	1.88	9.0	15.9	4.84
1.1	10.7	8.56	5.1	70.4	1.76	9.1	7.6	6.44
1.2	10.4	9.38	5.2	76.2	1.84	9.2	6.5	6.45
1.3	35.3	2.28	5.3	73.1	1.93	9.3	20.3	4.50
1.4	51.7	1.78	5.4	81.9	1.86	9.4	39.6	3.60
1.5	45.2	1.99	5.5	90.0	1.86	9.5	46.0	2.55
1.6	24.0	3.03	5.6	85.5	1.89	9.6	61.1	2.01
1.7	17.1	2.96	5.7	72.2	2.14	9.7	33.8	4.52
1.8	13.6	2.81	5.8	53.9	2.18	9.8	19.6	4.85
1.9	27.7	1.60	5.9	49.0	2.07	9.9	26.0	4.72
2.0	40.0	1.81	6.0	55.7	2.77	10.0	52.8	2.08
2.1	73.7	1.42	6.1	63.2	1.81	10.1	65.4	1.82
2.2	93.2	1.65	6.2	74.4	1.78	10.2	65.4	1.64
2.3	88.1	1.88	6.3	80.1	1.73	10.3	63.7	1.74
2.4	76.9	1.85	6.4	89.9	1.69	10.4	58.7	2.23
2.5	61.5	2.01	6.5	91.6	1.72	10.5	64.2	2.31
2.6	50.5	2.04	6.6	91.6	1.75	10.6	89.7	1.55
2.7	41.9	2.13	6.7	87.0	1.76	10.7	93.6	1.65
2.8	42.5	2.14	6.8	84.7	1.75	10.8	78.8	2.89
2.9	34.1	2.42	6.9	88.0	1.71	10.9	44.6	4.26
3.0	29.0	2.38	7.0	78.9	1.80	11.0	41.3	3.92
3.1	27.4	2.11	7.1	40.0	2.72	11.1	41.5	4.51
3.2	57.2	1.60	7.2	30.6	1.55	11.2	71.6	1.53
3.3	71.5	1.94	7.3	44.3	1.94	11.3	43.7	3.83
3.4	67.2	1.93	7.4	35.9	2.36	11.4	25.6	6.49
3.5	83.2	1.74	7.5	25.9	2.48	11.5	57.3	2.11
3.6	87.0	1.81	7.6	24.3	1.62	11.6	58.0	2.71
3.7	84.0	1.80	7.7	11.5	3.93	11.7	52.5	3.16
3.8	85.7	1.72	7.8	17.1	1.52	11.8	56.8	3.33
3.9	91.8	1.73	7.9	12.6	3.52	11.9	53.6	3.94

ELECTRICAL CONE SITE Young Road Y6

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	33.3	6.12						
12.1	106.4	1.51						
12.2	104.9	2.11						
12.3	129.2	2.91						
12.4	104.6	3.29						
12.5	178.4	2.70						
12.6	244.4	2.39						
12.7	278.3	2.07						
12.8	258.4	0.00						

ELECTRICAL CONE SITE **Young Road Y7**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	69.1	1.74	8.0	2.2	10.50
0.1	0.0	0.00	4.1	98.9	1.73	8.1	1.8	15.58
0.2	0.0	0.00	4.2	108.8	1.78	8.2	1.5	18.19
0.3	0.0	0.00	4.3	105.7	1.90	8.3	1.9	17.92
0.4	22.1	4.72	4.4	99.2	1.97	8.4	4.4	11.90
0.5	20.3	6.85	4.5	103.2	1.92	8.5	6.0	9.22
0.6	46.2	2.77	4.6	97.7	1.91	8.6	11.9	8.56
0.7	39.5	2.70	4.7	102.8	1.83	8.7	13.1	6.48
0.8	31.1	3.92	4.8	101.8	1.84	8.8	11.4	6.45
0.9	24.0	3.68	4.9	93.9	1.91	8.9	9.5	6.59
1.0	10.0	7.56	5.0	79.6	2.10	9.0	7.8	6.38
1.1	9.5	7.20	5.1	70.5	2.17	9.1	5.1	7.42
1.2	10.3	5.39	5.2	114.1	1.74	9.2	4.7	9.05
1.3	9.0	6.96	5.3	112.8	2.05	9.3	10.9	13.34
1.4	5.1	7.64	5.4	120.7	1.89	9.4	15.4	10.30
1.5	4.1	12.11	5.5	115.7	1.83	9.5	12.0	8.60
1.6	25.9	3.06	5.6	98.6	2.23	9.6	11.3	7.41
1.7	41.6	2.74	5.7	81.9	2.05	9.7	14.4	6.47
1.8	37.0	3.26	5.8	111.0	1.71	9.8	13.6	5.53
1.9	108.3	1.34	5.9	95.0	1.93	9.9	13.4	5.03
2.0	83.6	1.90	6.0	90.9	1.80	10.0	11.9	10.37
2.1	56.4	2.06	6.1	56.7	2.52	10.1	16.0	8.05
2.2	41.0	2.22	6.2	45.9	2.72	10.2	24.1	4.85
2.3	48.4	1.93	6.3	97.6	1.71	10.3	29.9	4.00
2.4	33.4	2.34	6.4	123.2	1.93	10.4	50.1	2.72
2.5	26.9	1.93	6.5	118.2	1.93	10.5	34.3	5.24
2.6	21.5	3.13	6.6	106.2	2.05	10.6	41.6	2.44
2.7	18.5	3.11	6.7	79.1	2.24	10.7	45.9	2.60
2.8	50.1	1.43	6.8	63.2	2.00	10.8	23.7	6.71
2.9	38.1	2.22	6.9	63.8	1.33	10.9	37.4	3.07
3.0	26.0	2.70	7.0	66.5	2.57	11.0	37.3	3.27
3.1	19.9	3.59	7.1	16.8	4.73	11.1	38.3	3.85
3.2	45.8	1.65	7.2	6.4	3.58	11.2	26.9	5.55
3.3	53.2	1.88	7.3	22.6	4.66	11.3	28.4	3.90
3.4	48.5	2.02	7.4	90.6	1.78	11.4	26.4	5.02
3.5	49.7	2.10	7.5	105.4	2.08	11.5	45.0	2.68
3.6	47.3	1.91	7.6	43.5	4.27	11.6	101.2	1.59
3.7	44.0	2.08	7.7	10.9	6.70	11.7	71.7	2.32
3.8	27.4	2.92	7.8	5.7	6.82	11.8	56.6	3.44
3.9	19.7	2.47	7.9	3.0	10.21	11.9	37.3	4.61

ELECTRICAL CONE SITE **Young Road Y7**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	22.0	7.95						
12.1	154.3	2.05						
12.2	243.9	2.18						
12.3	297.7	1.86						
12.4	285.2	0.00						

ELECTRICAL CONE SITE Eastern Group, Boyle Road By1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	36.6	0.65	8.0	11.3	5.15
0.1	0.0	0.00	4.1	53.6	0.85	8.1	70.7	0.65
0.2	0.0	0.00	4.2	34.4	1.37	8.2	67.8	0.99
0.3	0.0	0.00	4.3	34.6	0.88	8.3	62.7	0.94
0.4	27.7	8.00	4.4	67.6	0.81	8.4	37.2	1.38
0.5	22.7	5.63	4.5	68.5	1.00	8.5	21.9	1.69
0.6	12.5	7.31	4.6	40.9	1.43	8.6	11.6	1.64
0.7	10.9	5.83	4.7	23.3	2.15	8.7	10.0	4.46
0.8	12.7	3.20	4.8	34.1	1.20	8.8	21.4	1.93
0.9	14.8	2.69	4.9	82.2	0.71	8.9	19.8	2.95
1.0	7.3	3.30	5.0	89.6	0.96	9.0	37.2	1.03
1.1	6.2	2.42	5.1	91.8	0.99	9.1	30.2	2.26
1.2	7.0	5.20	5.2	96.3	1.00	9.2	18.9	3.35
1.3	38.1	0.88	5.3	113.0	0.96	9.3	27.8	1.87
1.4	19.9	2.22	5.4	114.0	0.91	9.4	34.3	1.69
1.5	9.7	3.68	5.5	124.1	0.94	9.5	45.3	1.02
1.6	15.1	1.05	5.6	107.7	1.03	9.6	41.2	2.28
1.7	10.9	1.60	5.7	90.8	1.08	9.7	14.0	3.05
1.8	5.3	3.26	5.8	86.7	1.02	9.8	12.3	2.69
1.9	3.4	6.59	5.9	94.1	0.90	9.9	12.4	3.30
2.0	4.7	2.77	6.0	109.9	0.91	10.0	11.8	3.52
2.1	2.8	4.86	6.1	77.2	1.46	10.1	13.8	1.63
2.2	6.4	2.23	6.2	15.3	5.26	10.2	8.6	3.29
2.3	10.8	1.27	6.3	10.8	2.96	10.3	12.0	4.81
2.4	5.2	2.71	6.4	10.4	5.21	10.4	14.7	4.46
2.5	3.9	5.21	6.5	12.2	7.85	10.5	15.4	3.00
2.6	9.0	1.97	6.6	13.0	5.25	10.6	19.8	5.68
2.7	10.4	1.98	6.7	8.6	4.42	10.7	141.2	0.66
2.8	10.1	1.80	6.8	9.3	4.56	10.8	150.1	1.49
2.9	5.0	4.74	6.9	12.1	4.02	10.9	163.5	0.00
3.0	10.2	1.57	7.0	13.2	2.89			
3.1	17.2	0.93	7.1	17.3	1.41			
3.2	11.7	3.46	7.2	7.4	2.49			
3.3	57.7	0.69	7.3	7.0	5.49			
3.4	56.4	0.87	7.4	27.8	1.40			
3.5	45.0	1.11	7.5	21.8	1.83			
3.6	34.3	1.14	7.6	14.5	2.56			
3.7	39.1	0.91	7.7	19.7	1.61			
3.8	28.2	1.13	7.8	25.4	1.11			
3.9	21.4	1.68	7.9	19.1	2.40			

ELECTRICAL CONE SITE Eastern Group, Boyle Road By2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	57.0	0.81	8.0	93.2	1.18
0.1	0.0	0.00	4.1	51.3	1.05	8.1	59.6	1.53
0.2	0.0	0.00	4.2	27.8	1.29	8.2	38.4	1.74
0.3	0.0	0.00	4.3	23.1	0.92	8.3	25.3	1.78
0.4	17.2	2.41	4.4	26.0	0.87	8.4	44.4	1.18
0.5	16.4	1.70	4.5	31.4	0.75	8.5	65.2	0.67
0.6	8.2	3.87	4.6	21.9	1.32	8.6	76.5	0.95
0.7	6.3	6.48	4.7	27.1	0.90	8.7	39.0	1.39
0.8	4.5	4.00	4.8	36.5	0.84	8.8	40.3	0.79
0.9	4.3	4.19	4.9	35.3	1.03	8.9	58.1	0.73
1.0	9.8	4.39	5.0	13.5	3.34	9.0	39.8	2.35
1.1	17.3	3.23	5.1	12.1	2.07	9.1	12.3	4.98
1.2	19.5	2.13	5.2	18.7	1.27	9.2	12.2	2.94
1.3	15.0	2.77	5.3	44.2	0.72	9.3	8.4	3.35
1.4	14.3	2.69	5.4	73.9	0.91	9.4	19.0	2.26
1.5	11.3	2.04	5.5	71.2	1.06	9.5	19.5	2.71
1.6	5.1	2.43	5.6	40.9	1.71	9.6	33.1	1.15
1.7	2.7	4.07	5.7	10.4	3.05	9.7	23.4	2.28
1.8	2.0	5.60	5.8	5.8	1.33	9.8	8.8	3.36
1.9	2.4	6.17	5.9	4.8	2.04	9.9	7.1	2.59
2.0	3.1	5.65	6.0	6.5	3.25	10.0	7.0	3.39
2.1	3.3	3.76	6.1	9.0	4.97	10.1	7.1	3.93
2.2	3.4	3.59	6.2	9.2	5.15	10.2	7.5	3.71
2.3	9.0	1.63	6.3	11.3	6.41	10.3	8.1	4.51
2.4	5.8	2.09	6.4	15.2	3.73	10.4	11.3	4.22
2.5	3.4	4.09	6.5	28.4	2.39	10.5	10.5	4.05
2.6	3.4	4.32	6.6	29.2	2.65	10.6	12.4	6.43
2.7	5.0	5.16	6.7	51.8	1.47	10.7	14.5	6.42
2.8	11.4	1.40	6.8	55.3	2.34	10.8	14.4	7.30
2.9	10.6	1.27	6.9	155.4	0.91	10.9	22.1	5.77
3.0	6.9	2.62	7.0	160.7	1.17	11.0	28.4	2.89
3.1	11.5	1.05	7.1	143.0	1.30	11.1	109.7	0.87
3.2	16.6	0.78	7.2	105.8	1.43	11.2	91.6	1.51
3.3	25.3	0.60	7.3	93.1	1.07	11.3	80.0	1.54
3.4	18.2	1.18	7.4	109.7	1.11	11.4	80.6	1.06
3.5	13.7	1.18	7.5	70.8	1.51	11.5	87.4	1.08
3.6	10.5	1.19	7.6	54.8	1.11	11.6	106.6	1.44
3.7	9.8	1.20	7.7	66.0	0.80	11.7	182.2	1.18
3.8	7.3	2.44	7.8	64.1	1.00	11.8	192.3	1.38
3.9	9.8	2.47	7.9	99.4	0.85	11.9	191.6	1.29

ELECTRICAL CONE SITE Eastern Group, Boyle Road By2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	109.6	1.75						
12.1	127.7	1.47						
12.2	118.3	1.63						
12.3	167.1	0.00						
12.4	0.0	0.00						

ELECTRICAL CONE SITE Eastern Group, Gentry Road G1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	1.00	4.0	68.3	0.84	8.0	62.9	1.17
0.1	0.0	1.00	4.1	64.6	1.01	8.1	74.4	0.89
0.2	0.0	1.00	4.2	53.7	0.99	8.2	71.8	0.85
0.3	0.0	1.00	4.3	69.9	0.89	8.3	60.8	1.08
0.4	50.8	1.45	4.4	59.5	0.93	8.4	67.1	1.25
0.5	50.7	1.72	4.5	32.9	1.61	8.5	69.1	0.65
0.6	39.5	2.43	4.6	25.1	0.93	8.6	53.5	1.42
0.7	24.7	2.33	4.7	23.5	1.11	8.7	20.3	3.26
0.8	20.6	2.06	4.8	18.8	3.03	8.8	9.8	4.47
0.9	8.9	6.17	4.9	52.0	0.47	8.9	10.6	5.16
1.0	8.2	7.11	5.0	52.4	1.15	9.0	11.0	3.82
1.1	7.9	7.71	5.1	48.9	1.84	9.1	10.3	3.06
1.2	8.2	6.65	5.2	103.5	0.74	9.2	12.9	4.36
1.3	7.0	7.30	5.3	99.0	1.13	9.3	45.5	1.24
1.4	16.0	2.44	5.4	64.0	1.45	9.4	26.6	3.61
1.5	53.6	0.75	5.5	104.4	0.71	9.5	44.2	1.39
1.6	60.2	0.96	5.6	118.5	1.00	9.6	48.1	1.67
1.7	57.2	0.95	5.7	129.8	1.01	9.7	48.0	2.83
1.8	45.0	1.01	5.8	132.0	0.92	9.8	74.5	1.03
1.9	26.1	1.17	5.9	114.5	0.83	9.9	80.8	0.84
2.0	27.9	0.78	6.0	103.7	0.87	10.0	63.8	1.37
2.1	27.7	0.96	6.1	87.3	0.98	10.1	36.5	2.41
2.2	31.9	0.68	6.2	35.0	3.12	10.2	23.3	4.21
2.3	47.0	0.74	6.3	10.2	6.47	10.3	41.8	2.35
2.4	28.9	1.20	6.4	6.9	4.83	10.4	73.8	1.45
2.5	22.4	0.82	6.5	5.1	6.63	10.5	106.1	1.25
2.6	21.1	0.83	6.6	7.3	7.18	10.6	165.5	1.10
2.7	14.1	1.48	6.7	14.4	6.44	10.7	155.1	1.22
2.8	14.2	0.95	6.8	16.4	4.93	10.8	187.1	1.63
2.9	16.5	1.31	6.9	13.2	5.77	10.9	202.8	0.00
3.0	32.9	0.73	7.0	14.3	2.13			
3.1	42.1	0.92	7.1	6.6	3.03			
3.2	45.9	0.94	7.2	7.3	5.23			
3.3	46.4	0.91	7.3	27.3	1.63			
3.4	38.3	1.06	7.4	11.8	3.45			
3.5	29.6	1.32	7.5	8.6	4.58			
3.6	46.4	0.58	7.6	18.0	3.16			
3.7	42.8	1.24	7.7	16.1	2.92			
3.8	14.5	3.38	7.8	13.7	4.74			
3.9	50.2	0.47	7.9	36.0	2.30			

ELECTRICAL CONE SITE **Eastern Group, Gentry Road G2**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.47	4.0	7.3	3.03	8.0	66.1	1.11
0.1	0.0	0.47	4.1	17.6	1.04	8.1	98.8	1.13
0.2	0.0	0.47	4.2	19.1	1.03	8.2	129.4	1.22
0.3	0.0	0.47	4.3	22.0	1.38	8.3	150.9	1.34
0.4	17.9	5.08	4.4	41.7	0.67	8.4	151.4	1.12
0.5	16.8	5.40	4.5	54.2	0.86	8.5	171.9	1.15
0.6	13.0	6.15	4.6	53.8	1.10	8.6	163.6	1.26
0.7	9.1	7.00	4.7	63.9	1.03	8.7	139.2	1.29
0.8	7.9	7.16	4.8	80.9	1.11	8.8	122.2	0.00
0.9	9.1	7.75	4.9	72.7	1.22			
1.0	8.5	6.59	5.0	52.7	1.28			
1.1	6.5	6.06	5.1	43.0	1.02			
1.2	12.4	2.75	5.2	43.1	1.10			
1.3	8.6	4.22	5.3	47.8	1.10			
1.4	7.2	5.06	5.4	62.4	1.02			
1.5	6.3	5.44	5.5	55.3	1.37			
1.6	5.5	4.05	5.6	92.5	0.77			
1.7	6.0	4.07	5.7	92.5	1.17			
1.8	10.3	2.95	5.8	75.2	1.13			
1.9	8.1	3.09	5.9	63.9	1.22			
2.0	8.1	2.23	6.0	18.0	3.88			
2.1	6.0	1.98	6.1	13.3	2.10			
2.2	5.0	3.66	6.2	14.5	2.92			
2.3	15.2	1.53	6.3	13.8	3.18			
2.4	15.8	1.23	6.4	15.3	4.10			
2.5	9.0	2.39	6.5	14.5	4.41			
2.6	5.7	2.44	6.6	15.1	5.31			
2.7	5.1	2.61	6.7	24.4	3.11			
2.8	4.3	2.44	6.8	32.9	2.60			
2.9	3.2	2.84	6.9	37.5	1.89			
3.0	3.5	3.29	7.0	27.7	2.99			
3.1	5.4	2.72	7.1	22.0	2.68			
3.2	7.6	1.63	7.2	28.1	2.53			
3.3	5.3	2.75	7.3	90.4	1.10			
3.4	7.0	2.07	7.4	167.5	0.89			
3.5	9.8	1.94	7.5	139.2	1.30			
3.6	14.0	1.09	7.6	93.0	1.57			
3.7	13.4	1.16	7.7	53.4	1.89			
3.8	7.2	2.65	7.8	106.8	1.01			
3.9	5.4	3.19	7.9	86.0	0.90			

ELECTRICAL CONE SITE **Eastern Group, Cox Road C1**

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	1.68	4.0	55.9	1.12	8.0	86.8	1.29
0.1	0.0	1.68	4.1	37.1	1.08	8.1	52.5	1.78
0.2	0.0	1.68	4.2	33.6	1.82	8.2	72.9	0.67
0.3	0.0	1.68	4.3	98.4	0.78	8.3	75.0	1.33
0.4	17.9	1.39	4.4	102.3	1.07	8.4	127.6	0.93
0.5	18.4	1.07	4.5	112.4	1.09	8.5	127.9	1.29
0.6	19.6	2.85	4.6	100.8	1.15	8.6	82.7	1.40
0.7	31.5	3.76	4.7	65.0	1.20	8.7	43.0	2.08
0.8	39.3	4.41	4.8	39.3	1.22	8.8	38.5	2.02
0.9	32.7	4.66	4.9	25.0	1.69	8.9	75.2	1.18
1.0	24.3	6.23	5.0	15.9	1.79	9.0	82.6	1.48
1.1	20.4	6.96	5.1	6.4	3.84	9.1	167.5	1.11
1.2	18.5	7.65	5.2	5.7	3.77	9.2	160.7	1.31
1.3	17.1	7.74	5.3	6.1	3.70	9.3	122.4	1.46
1.4	13.7	7.81	5.4	7.8	4.82	9.4	92.9	1.45
1.5	10.8	7.78	5.5	42.6	1.16	9.5	92.4	1.18
1.6	10.0	7.21	5.6	11.8	4.07	9.6	100.8	1.18
1.7	9.6	6.68	5.7	8.5	3.21	9.7	77.8	1.52
1.8	9.6	5.82	5.8	14.0	4.42	9.8	43.9	3.13
1.9	8.1	5.14	5.9	11.0	6.47	9.9	36.8	2.71
2.0	7.7	4.92	6.0	13.2	7.16	10.0	70.7	0.99
2.1	9.7	3.93	6.1	18.1	6.84	10.1	50.9	2.28
2.2	13.9	2.19	6.2	30.3	2.75	10.2	66.1	1.15
2.3	13.4	1.40	6.3	45.3	1.15	10.3	36.5	3.50
2.4	4.6	4.15	6.4	31.3	2.36	10.4	35.2	3.17
2.5	3.7	5.38	6.5	44.1	1.11	10.5	63.3	1.04
2.6	12.1	1.63	6.6	42.3	1.57	10.6	54.9	1.26
2.7	22.7	0.95	6.7	18.5	2.84	10.7	41.1	2.70
2.8	36.1	0.91	6.8	21.9	2.51	10.8	40.8	3.03
2.9	45.9	0.89	6.9	20.3	2.80	10.9	49.1	2.36
3.0	28.8	1.29	7.0	25.4	1.55	11.0	108.1	0.87
3.1	20.6	1.60	7.1	22.8	2.71	11.1	85.0	1.90
3.2	27.5	0.85	7.2	14.9	6.24	11.2	129.0	0.91
3.3	20.2	1.11	7.3	105.3	0.87	11.3	73.2	3.05
3.4	12.3	3.02	7.4	112.7	1.17	11.4	85.5	1.67
3.5	26.7	0.96	7.5	73.6	1.29	11.5	144.4	1.23
3.6	32.7	0.91	7.6	32.0	2.76	11.6	157.9	1.39
3.7	34.7	1.39	7.7	47.6	1.45	11.7	237.3	0.00
3.8	75.6	0.78	7.8	109.4	1.08			
3.9	65.5	1.00	7.9	115.5	1.15			

ELECTRICAL CONE SITE Eastern Group, Brandt Road Br1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	3.19	4.0	8.8	9.45	8.0	21.2	7.97
0.1	0.0	3.19	4.1	10.4	7.97	8.1	20.3	7.87
0.2	0.0	3.19	4.2	10.7	7.47	8.2	22.6	6.77
0.3	0.0	3.19	4.3	12.2	6.25	8.3	72.2	1.40
0.4	16.0	5.33	4.4	14.1	6.43	8.4	99.1	1.21
0.5	12.0	9.30	4.5	14.4	6.61	8.5	42.9	2.69
0.6	10.5	10.50	4.6	15.5	6.98	8.6	34.8	2.40
0.7	12.7	8.84	4.7	16.0	6.61	8.7	31.1	2.53
0.8	8.9	8.54	4.8	14.8	5.96	8.8	36.6	1.79
0.9	7.8	10.77	4.9	13.0	6.48	8.9	40.4	1.45
1.0	12.8	9.53	5.0	12.2	5.88	9.0	43.8	1.24
1.1	15.7	9.24	5.1	13.9	6.23	9.1	44.5	1.49
1.2	14.7	8.01	5.2	13.8	6.44	9.2	84.4	1.03
1.3	11.9	9.21	5.3	12.3	6.32	9.3	66.4	1.40
1.4	11.8	10.03	5.4	13.4	5.78	9.4	50.8	2.11
1.5	13.9	9.65	5.5	9.3	6.03	9.5	23.2	3.60
1.6	13.7	9.31	5.6	7.8	5.63	9.6	38.5	1.97
1.7	13.8	7.77	5.7	12.9	4.95	9.7	44.5	1.55
1.8	10.5	9.17	5.8	13.2	5.07	9.8	42.7	2.23
1.9	8.4	9.48	5.9	13.2	5.52	9.9	53.2	0.00
2.0	9.1	8.02	6.0	16.2	6.44			
2.1	9.0	8.19	6.1	16.4	6.10			
2.2	11.7	9.63	6.2	9.1	6.70			
2.3	14.3	8.52	6.3	9.3	6.78			
2.4	15.4	8.28	6.4	10.6	6.80			
2.5	14.9	7.33	6.5	12.5	3.92			
2.6	15.2	7.16	6.6	8.6	5.27			
2.7	14.6	7.72	6.7	9.1	8.24			
2.8	14.0	7.75	6.8	12.7	7.13			
2.9	6.2	5.95	6.9	27.5	1.85			
3.0	4.4	4.18	7.0	17.5	2.94			
3.1	2.9	8.03	7.1	6.7	5.90			
3.2	8.7	2.45	7.2	6.8	9.87			
3.3	6.3	2.65	7.3	10.4	8.41			
3.4	3.2	7.09	7.4	11.7	7.27			
3.5	3.2	13.91	7.5	13.5	6.93			
3.6	5.0	10.94	7.6	15.5	7.83			
3.7	4.6	12.11	7.7	13.9	7.47			
3.8	6.8	11.56	7.8	18.3	7.28			
3.9	8.7	10.39	7.9	20.7	8.08			

ELECTRICAL CONE SITE Walker Road W1

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	3.17	4.0	136.4	1.03	8.0	21.3	3.60
0.1	0.0	3.17	4.1	133.2	1.01	8.1	18.3	2.23
0.2	0.0	3.17	4.2	114.8	1.03	8.2	14.6	2.12
0.3	0.0	3.17	4.3	68.1	1.55	8.3	12.4	2.11
0.4	31.1	0.84	4.4	31.8	2.62	8.4	12.0	2.01
0.5	28.1	0.70	4.5	17.6	2.49	8.5	12.4	2.13
0.6	26.5	0.95	4.6	13.9	2.85	8.6	12.3	2.07
0.7	31.5	1.00	4.7	16.5	2.00	8.7	12.0	2.01
0.8	49.6	0.66	4.8	13.9	1.60	8.8	12.7	2.29
0.9	45.7	0.73	4.9	9.3	1.88	8.9	13.4	2.59
1.0	40.5	0.54	5.0	7.3	2.64	9.0	13.1	2.49
1.1	35.1	0.52	5.1	6.6	2.88	9.1	10.6	1.85
1.2	33.0	0.54	5.2	6.4	2.55	9.2	7.8	2.55
1.3	42.5	0.52	5.3	6.6	2.42	9.3	12.7	1.95
1.4	44.3	0.74	5.4	7.1	2.59	9.4	14.2	2.28
1.5	42.6	0.77	5.5	7.2	2.88	9.5	14.4	2.38
1.6	41.3	0.78	5.6	7.8	2.74	9.6	14.2	2.73
1.7	36.4	0.86	5.7	8.0	2.32	9.7	14.3	2.68
1.8	27.0	1.09	5.8	8.2	1.82	9.8	13.9	2.58
1.9	19.3	1.50	5.9	9.3	1.63	9.9	14.9	3.39
2.0	9.7	1.15	6.0	10.5	1.73	10.0	17.9	4.28
2.1	9.8	1.41	6.1	10.6	1.64	10.1	18.9	3.74
2.2	17.1	0.44	6.2	10.6	1.93	10.2	21.0	3.76
2.3	17.8	0.83	6.3	10.7	2.06	10.3	16.2	4.20
2.4	17.8	0.93	6.4	11.0	2.02	10.4	11.0	3.19
2.5	21.4	0.85	6.5	11.5	2.04	10.5	9.9	3.62
2.6	24.1	0.94	6.6	10.3	1.87	10.6	10.0	3.88
2.7	24.8	0.98	6.7	10.4	1.79	10.7	12.5	3.96
2.8	52.3	0.84	6.8	10.0	1.92	10.8	16.4	4.88
2.9	106.9	0.86	6.9	10.8	2.00	10.9	17.5	4.08
3.0	121.9	0.84	7.0	12.1	1.91	11.0	16.9	3.47
3.1	122.7	0.98	7.1	12.7	1.82	11.1	14.0	2.38
3.2	137.4	1.00	7.2	10.6	2.79	11.2	14.9	2.16
3.3	150.5	1.00	7.3	14.8	2.62	11.3	14.7	1.49
3.4	150.8	1.06	7.4	17.1	2.60	11.4	15.2	1.27
3.5	147.6	1.09	7.5	21.5	2.07	11.5	13.4	1.63
3.6	146.7	1.09	7.6	16.5	3.40	11.6	15.1	1.92
3.7	133.3	1.10	7.7	19.4	4.43	11.7	15.2	2.14
3.8	146.5	1.02	7.8	21.1	4.10	11.8	17.1	1.99
3.9	152.5	1.05	7.9	21.2	3.93	11.9	17.7	1.71

ELECTRICAL CONE SITE Walker Road W1

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
12.0	17.1	1.66	16.0	59.1	0.92			
12.1	18.3	1.78	16.1	60.2	1.49			
12.2	18.9	2.30	16.2	61.1	1.43			
12.3	18.6	2.47	16.3	44.8	2.17			
12.4	17.6	2.86	16.4	41.6	2.24			
12.5	34.4	1.53	16.5	25.9	3.34			
12.6	52.2	1.30	16.6	83.6	2.24			
12.7	53.7	0.99	16.7	56.5	5.46			
12.8	49.6	1.41	16.8	100.8	2.58			
12.9	48.4	1.52	16.9	170.4	1.90			
13.0	61.5	0.81	17.0	193.0	0.00			
13.1	54.8	1.07						
13.2	56.0	1.18						
13.3	44.5	2.10						
13.4	20.0	2.72						
13.5	25.6	2.50						
13.6	37.3	1.97						
13.7	36.2	2.33						
13.8	39.6	1.84						
13.9	42.9	1.83						
14.0	22.2	2.83						
14.1	39.5	1.41						
14.2	18.3	2.42						
14.3	31.1	2.16						
14.4	31.5	1.47						
14.5	18.5	2.14						
14.6	27.5	2.95						
14.7	62.3	1.09						
14.8	45.5	1.98						
14.9	24.4	2.04						
15.0	25.9	1.95						
15.1	45.8	1.37						
15.2	21.1	1.74						
15.3	17.9	1.66						
15.4	25.5	2.21						
15.5	61.7	1.04						
15.6	70.7	1.20						
15.7	58.7	1.94						
15.8	22.4	2.62						
15.9	20.6	3.10						

ELECTRICAL CONE SITE Walker Road W2

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
0.0	0.0	3.10	4.0	121.9	1.63	8.0	9.1	6.78
0.1	0.0	3.10	4.1	123.7	2.12	8.1	9.9	7.41
0.2	0.0	3.10	4.2	81.2	2.67	8.2	13.2	7.90
0.3	0.0	3.10	4.3	73.0	2.13	8.3	18.4	9.29
0.4	39.4	2.95	4.4	93.5	1.18	8.4	21.1	9.67
0.5	31.6	2.87	4.5	45.4	4.09	8.5	23.4	7.82
0.6	26.8	2.85	4.6	23.6	3.64	8.6	24.6	7.31
0.7	29.7	2.26	4.7	12.8	7.61	8.7	18.9	6.63
0.8	43.8	1.69	4.8	35.2	2.51	8.8	14.1	4.34
0.9	93.0	1.47	4.9	11.7	3.76	8.9	12.6	3.64
1.0	136.3	1.37	5.0	8.9	4.56	9.0	11.8	4.17
1.1	156.0	1.62	5.1	9.2	4.33	9.1	13.8	4.14
1.2	156.9	1.91	5.2	6.6	4.79	9.2	13.0	3.38
1.3	113.4	2.33	5.3	6.0	5.47	9.3	10.9	3.74
1.4	107.7	1.75	5.4	6.3	5.25	9.4	9.3	4.69
1.5	133.7	1.65	5.5	6.9	4.68	9.5	10.8	3.70
1.6	149.1	1.73	5.6	7.0	4.43	9.6	12.0	3.58
1.7	190.8	1.56	5.7	7.2	4.52	9.7	15.4	3.95
1.8	196.0	1.82	5.8	6.8	4.37	9.8	16.3	3.48
1.9	185.4	1.89	5.9	6.3	4.11	9.9	15.4	3.45
2.0	230.4	1.78	6.0	6.7	3.56	10.0	16.1	4.07
2.1	208.8	2.16	6.1	8.9	4.19	10.1	19.0	5.62
2.2	198.9	1.98	6.2	14.2	4.72	10.2	23.0	6.65
2.3	191.9	2.14	6.3	8.3	5.00	10.3	21.2	6.47
2.4	140.3	2.06	6.4	6.3	4.69	10.4	18.8	6.84
2.5	241.4	1.31	6.5	6.2	4.69	10.5	14.2	5.92
2.6	252.1	1.66	6.6	6.4	4.83	10.6	12.1	5.58
2.7	238.1	1.82	6.7	6.6	4.92	10.7	11.3	5.95
2.8	226.8	1.78	6.8	6.5	5.10	10.8	13.1	7.32
2.9	242.2	1.71	6.9	6.5	5.05	10.9	15.9	8.94
3.0	231.8	1.74	7.0	6.7	4.62	11.0	19.3	8.40
3.1	202.6	2.01	7.1	6.2	4.99	11.1	23.2	7.84
3.2	184.5	1.97	7.2	6.9	4.51	11.2	21.5	8.63
3.3	191.6	1.88	7.3	6.6	4.79	11.3	20.3	8.15
3.4	161.7	2.22	7.4	7.2	4.47	11.4	22.3	9.12
3.5	127.6	2.22	7.5	7.4	4.31	11.5	20.9	9.42
3.6	126.3	1.88	7.6	7.2	3.73	11.6	16.0	7.42
3.7	113.8	1.99	7.7	19.0	2.80	11.7	18.3	7.36
3.8	118.2	1.97	7.8	21.8	3.52	11.8	20.9	6.78
3.9	118.7	1.85	7.9	11.9	5.81	11.9	26.0	5.45

ELECTRICAL CONE SITE Walker Road W2

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	19.8	4.22						
12.1	19.2	4.04						
12.2	18.4	3.91						
12.3	15.9	2.91						
12.4	14.8	3.52						
12.5	14.2	3.78						
12.6	17.2	5.61						
12.7	32.2	3.20						
12.8	21.3	4.11						
12.9	19.2	3.73						
13.0	12.3	5.78						
13.1	10.2	3.76						
13.2	8.2	7.54						
13.3	14.7	5.39						
13.4	21.9	5.42						
13.5	25.3	5.78						
13.6	26.0	5.73						
13.7	23.0	6.63						
13.8	24.8	8.41						
13.9	44.7	5.06						
14.0	146.9	1.52						
14.1	187.7	0.00						

ELECTRICAL CONE SITE Walker Road W3

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	49.3	0.93	8.0	41.5	1.11
0.1	0.0	0.00	4.1	40.5	0.92	8.1	66.4	0.70
0.2	0.0	0.00	4.2	58.3	0.63	8.2	67.1	0.78
0.3	0.0	0.00	4.3	41.2	0.81	8.3	68.6	0.87
0.4	51.8	1.00	4.4	28.8	1.22	8.4	65.9	1.03
0.5	38.7	0.79	4.5	19.1	2.14	8.5	53.7	1.23
0.6	28.1	0.65	4.6	10.5	3.36	8.6	37.7	1.45
0.7	31.8	0.60	4.7	10.5	3.71	8.7	15.9	2.05
0.8	43.1	0.60	4.8	27.6	2.29	8.8	13.8	2.15
0.9	29.9	0.76	4.9	30.7	2.22	8.9	15.5	1.58
1.0	19.7	0.60	5.0	32.5	2.12	9.0	19.3	1.86
1.1	19.0	0.82	5.1	107.1	0.42	9.1	14.4	1.74
1.2	16.9	2.01	5.2	53.4	1.94	9.2	10.2	1.63
1.3	18.4	1.29	5.3	51.7	1.04	9.3	11.1	1.69
1.4	21.6	0.46	5.4	38.9	1.53	9.4	12.3	1.69
1.5	21.9	0.42	5.5	11.6	3.20	9.5	10.1	3.37
1.6	27.4	0.36	5.6	9.8	2.27	9.6	77.1	0.67
1.7	27.1	0.42	5.7	7.2	2.04	9.7	26.2	2.48
1.8	22.3	0.64	5.8	6.0	1.80	9.8	16.8	1.64
1.9	14.0	0.74	5.9	5.2	1.97	9.9	13.2	2.65
2.0	10.6	1.34	6.0	4.5	2.10	10.0	10.3	4.05
2.1	5.1	1.90	6.1	4.2	2.33	10.1	9.5	4.25
2.2	8.3	1.40	6.2	4.8	2.09	10.2	8.9	2.79
2.3	9.2	2.30	6.3	5.3	1.87	10.3	16.3	3.14
2.4	8.8	2.20	6.4	5.5	1.81	10.4	21.7	4.23
2.5	13.5	0.58	6.5	5.0	1.84	10.5	23.5	4.67
2.6	19.1	0.44	6.6	5.0	1.68	10.6	19.8	4.87
2.7	21.9	0.35	6.7	4.6	1.89	10.7	18.1	4.37
2.8	24.0	0.57	6.8	4.7	1.90	10.8	11.6	3.30
2.9	19.5	0.42	6.9	5.3	1.75	10.9	11.3	2.28
3.0	27.6	0.44	7.0	5.6	1.68	11.0	11.8	2.04
3.1	24.6	1.05	7.1	4.9	1.81	11.1	11.0	1.53
3.2	27.0	0.40	7.2	4.4	2.08	11.2	9.7	1.21
3.3	25.6	0.16	7.3	4.7	2.60	11.3	9.9	1.17
3.4	15.6	1.42	7.4	68.8	0.51	11.4	10.5	1.44
3.5	8.8	2.62	7.5	94.4	0.43	11.5	10.6	3.62
3.6	35.3	0.52	7.6	57.6	1.38	11.6	54.2	0.77
3.7	45.8	0.75	7.7	24.2	2.80	11.7	50.9	1.10
3.8	47.0	0.67	7.8	24.9	1.63	11.8	20.5	2.76
3.9	60.9	0.75	7.9	32.4	1.01	11.9	16.2	2.67

ELECTRICAL CONE SITE Walker Road W3

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
12.0	29.3	2.42						
12.1	38.8	1.49						
12.2	40.9	1.32						
12.3	21.6	2.00						
12.4	16.6	2.54						
12.5	17.9	2.83						
12.6	16.6	3.24						
12.7	29.1	2.16						
12.8	68.7	0.61						
12.9	63.6	0.86						
13.0	60.8	1.35						
13.1	20.4	2.85						
13.2	16.1	2.99						
13.3	17.6	3.47						
13.4	18.5	3.26						
13.5	16.7	2.85						
13.6	16.7	2.84						
13.7	48.6	1.23						
13.8	75.9	1.12						
13.9	101.1	0.94						
14.0	162.7	0.00						
14.1	0.0	0.00						

ELECTRICAL CONE SITE Walker Road W4

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
0.0	0.0	0.00	4.0	208.7	0.93	8.0	4.9	2.53
0.1	0.0	0.00	4.1	203.1	0.96	8.1	4.6	2.76
0.2	0.0	0.00	4.2	198.5	1.00	8.2	5.2	2.60
0.3	0.0	0.00	4.3	200.6	0.96	8.3	5.2	2.62
0.4	45.0	5.40	4.4	206.8	0.94	8.4	4.7	2.91
0.5	39.5	5.40	4.5	181.2	1.06	8.5	4.9	2.75
0.6	34.1	4.93	4.6	130.9	1.09	8.6	5.0	3.06
0.7	25.1	4.55	4.7	110.8	1.25	8.7	12.9	3.21
0.8	20.6	4.45	4.8	126.4	0.95	8.8	17.1	4.41
0.9	31.4	2.58	4.9	140.9	1.02	8.9	68.4	0.69
1.0	36.1	1.91	5.0	146.7	1.00	9.0	96.8	0.71
1.1	65.0	1.08	5.1	154.1	1.02	9.1	96.0	0.78
1.2	60.5	1.08	5.2	162.8	1.05	9.2	70.2	1.57
1.3	51.7	0.93	5.3	151.9	1.07	9.3	77.7	1.18
1.4	42.1	0.86	5.4	143.5	0.99	9.4	92.1	0.97
1.5	35.5	1.29	5.5	149.3	1.01	9.5	122.6	0.97
1.6	15.6	2.81	5.6	81.9	1.39	9.6	112.5	0.54
1.7	8.8	4.95	5.7	47.7	1.60	9.7	41.7	2.35
1.8	77.9	0.76	5.8	36.0	1.86	9.8	59.6	1.70
1.9	89.1	1.08	5.9	13.0	3.26	9.9	68.1	1.92
2.0	119.6	0.99	6.0	28.4	2.18	10.0	195.8	1.00
2.1	155.6	0.83	6.1	93.6	0.77	10.1	224.8	1.05
2.2	201.5	0.86	6.2	64.3	1.23	10.2	233.4	1.07
2.3	206.1	0.99	6.3	71.4	0.96	10.3	194.0	1.31
2.4	217.1	1.02	6.4	29.1	2.98	10.4	151.4	1.14
2.5	220.9	1.01	6.5	16.5	3.68	10.5	148.5	0.67
2.6	211.0	1.23	6.6	24.8	2.52	10.6	131.1	1.04
2.7	154.5	1.32	6.7	24.5	2.86	10.7	135.2	1.00
2.8	125.6	1.35	6.8	10.8	4.94	10.8	160.2	1.14
2.9	126.1	1.15	6.9	49.0	0.81	10.9	134.8	1.46
3.0	141.7	0.97	7.0	57.6	0.82	11.0	82.7	2.20
3.1	200.6	0.91	7.1	49.8	0.88	11.1	221.1	1.01
3.2	210.6	0.95	7.2	47.8	0.81	11.2	269.6	0.00
3.3	212.9	0.98	7.3	29.2	1.98			
3.4	204.6	1.04	7.4	11.7	2.36			
3.5	200.0	1.08	7.5	7.9	1.87			
3.6	199.4	1.12	7.6	6.3	2.61			
3.7	205.0	1.16	7.7	5.1	2.79			
3.8	194.3	1.26	7.8	4.8	2.93			
3.9	201.9	1.04	7.9	4.8	2.98			

ELECTRICAL CONE SITE Walker Road W5

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
0.0	0.0	1.04	4.0	94.9	0.91	8.0	6.6	2.71
0.1	0.0	1.04	4.1	111.3	1.04	8.1	6.0	2.87
0.2	0.0	1.04	4.2	114.3	1.12	8.2	6.0	2.75
0.3	0.0	1.04	4.3	109.1	1.15	8.3	5.7	2.88
0.4	32.1	2.50	4.4	109.1	1.17	8.4	6.2	2.61
0.5	30.9	1.73	4.5	108.5	1.19	8.5	5.7	2.59
0.6	26.1	2.26	4.6	99.6	1.17	8.6	6.0	2.37
0.7	22.0	4.20	4.7	114.0	1.06	8.7	5.7	2.66
0.8	24.2	4.53	4.8	130.3	1.08	8.8	6.1	2.53
0.9	25.5	4.91	4.9	147.9	1.10	8.9	6.1	2.65
1.0	27.6	2.38	5.0	148.4	0.97	9.0	5.8	2.76
1.1	42.1	0.94	5.1	137.6	1.15	9.1	6.4	2.45
1.2	47.6	0.97	5.2	52.1	3.11	9.2	6.0	2.61
1.3	54.1	0.94	5.3	18.0	4.28	9.3	6.6	2.50
1.4	59.5	0.97	5.4	16.8	4.20	9.4	7.4	1.93
1.5	48.3	1.09	5.5	18.2	2.61	9.5	8.2	3.88
1.6	38.7	1.47	5.6	12.9	4.55	9.6	22.2	1.33
1.7	68.9	0.80	5.7	29.9	2.11	9.7	18.3	2.01
1.8	53.7	1.67	5.8	15.6	3.56	9.8	16.4	2.43
1.9	23.8	3.15	5.9	9.7	3.19	9.9	25.2	1.48
2.0	17.2	4.09	6.0	7.1	3.41	10.0	36.5	1.55
2.1	14.4	4.32	6.1	6.8	3.57	10.1	25.0	1.59
2.2	18.6	3.50	6.2	7.5	3.47	10.2	29.9	1.19
2.3	95.9	0.79	6.3	8.1	3.42	10.3	11.7	2.30
2.4	153.0	0.87	6.4	8.5	3.23	10.4	8.6	2.10
2.5	136.5	0.98	6.5	8.0	3.28	10.5	11.9	3.25
2.6	147.4	0.90	6.6	8.2	3.53	10.6	71.9	0.71
2.7	126.9	0.96	6.7	9.5	2.85	10.7	71.4	0.95
2.8	75.3	1.40	6.8	8.4	3.13	10.8	46.0	2.34
2.9	32.4	2.32	6.9	8.4	3.11	10.9	51.0	2.22
3.0	73.7	0.72	7.0	8.5	2.80	11.0	92.2	1.08
3.1	134.9	0.85	7.1	8.2	3.00	11.1	93.7	1.09
3.2	156.0	0.95	7.2	8.5	3.12	11.2	134.7	0.75
3.3	139.1	1.18	7.3	8.5	3.01	11.3	135.5	1.08
3.4	133.7	1.03	7.4	8.4	2.92	11.4	118.3	1.44
3.5	145.8	0.99	7.5	8.0	3.07	11.5	80.3	1.81
3.6	125.7	1.07	7.6	7.7	3.09	11.6	64.5	1.55
3.7	91.5	1.17	7.7	7.9	2.73	11.7	79.9	1.47
3.8	73.7	1.07	7.8	7.0	3.02	11.8	97.8	0.60
3.9	83.5	0.88	7.9	7.2	2.82	11.9	84.8	1.23

ELECTRICAL CONE SITE Walker Road W5

Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %	Depth meters	Qc kg/cm2	Ratio %
12.0	85.4	1.39						
12.1	101.1	1.01						
12.2	123.9	1.16						
12.3	98.7	1.33						
12.4	91.6	1.41						
12.5	116.0	0.84						
12.6	114.6	1.20						
12.7	161.6	0.96						
12.8	220.1	0.00						

ELECTRICAL CONE SITE Walker Road W6

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	56.3	1.08	8.0	13.4	4.38
0.1	0.0	0.00	4.1	56.3	1.11	8.1	12.2	4.39
0.2	0.0	0.00	4.2	56.1	1.13	8.2	6.9	5.47
0.3	0.0	0.00	4.3	50.1	1.25	8.3	4.7	5.98
0.4	70.4	0.92	4.4	44.6	1.49	8.4	6.3	4.52
0.5	96.7	0.80	4.5	25.1	2.74	8.5	7.7	3.84
0.6	85.1	1.09	4.6	18.9	1.96	8.6	11.4	3.54
0.7	77.7	1.01	4.7	18.3	2.80	8.7	12.8	3.68
0.8	63.8	0.95	4.8	25.5	1.11	8.8	12.7	3.67
0.9	59.2	0.96	4.9	8.8	4.04	8.9	12.8	3.18
1.0	62.7	0.89	5.0	5.3	5.27	9.0	11.7	3.78
1.1	71.0	0.91	5.1	6.4	6.01	9.1	10.6	3.02
1.2	72.5	0.94	5.2	8.8	4.86	9.2	9.5	3.62
1.3	77.6	0.94	5.3	8.3	5.39	9.3	9.3	3.87
1.4	80.5	0.99	5.4	7.5	4.94	9.4	8.5	3.29
1.5	74.8	1.07	5.5	7.3	4.66	9.5	7.0	3.64
1.6	69.9	1.01	5.6	9.7	6.09	9.6	7.0	3.48
1.7	70.4	1.02	5.7	112.8	0.67	9.7	6.0	3.91
1.8	66.1	1.01	5.8	57.7	1.85	9.8	6.8	3.38
1.9	63.7	1.04	5.9	47.6	2.04	9.9	5.9	3.83
2.0	63.2	1.03	6.0	11.7	3.67	10.0	5.6	3.53
2.1	57.2	1.03	6.1	10.0	5.27	10.1	5.7	3.45
2.2	53.0	1.06	6.2	68.4	1.19	10.2	6.0	2.99
2.3	52.2	1.08	6.3	47.1	2.40	10.3	5.1	3.43
2.4	52.1	1.07	6.4	51.3	1.18	10.4	5.4	3.14
2.5	50.1	1.09	6.5	24.4	2.01	10.5	5.0	3.35
2.6	48.1	1.10	6.6	11.0	3.45	10.6	4.9	3.22
2.7	47.7	1.10	6.7	17.9	2.62	10.7	5.1	3.03
2.8	47.5	1.10	6.8	11.7	4.24	10.8	5.3	3.03
2.9	49.7	1.09	6.9	13.0	4.07	10.9	4.9	3.34
3.0	49.1	1.08	7.0	12.0	4.31	11.0	4.8	4.51
3.1	50.1	1.11	7.1	12.5	4.39	11.1	7.1	2.93
3.2	49.9	1.11	7.2	12.8	4.20	11.2	20.4	1.83
3.3	49.1	1.13	7.3	10.2	3.21	11.3	17.1	3.82
3.4	51.3	1.11	7.4	9.8	4.53	11.4	18.9	4.02
3.5	54.3	1.09	7.5	10.6	4.61	11.5	68.6	1.32
3.6	59.7	1.08	7.6	11.2	4.67	11.6	61.6	1.96
3.7	62.4	1.10	7.7	11.2	4.44	11.7	92.6	1.29
3.8	58.1	1.09	7.8	9.3	4.19	11.8	146.6	1.00
3.9	56.5	1.12	7.9	11.7	4.88	11.9	196.9	1.05

ELECTRICAL CONE SITE Walker Road W6

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	212.7	0.00						
12.1	0.0	0.00						
12.2	0.0	0.00						
12.3	0.0	0.00						
12.4	0.0	0.00						
12.5	0.0	0.00						
12.6	0.0	0.00						
12.7	0.0	0.00						
12.8	0.0	0.00						
12.9	0.0	0.00						
13.0	0.0	0.00						
13.1	0.0	0.00						
13.2	34.1	3.33						
13.3	30.6	4.42						
13.4	29.4	4.57						
13.5	25.2	4.92						
13.6	45.2	2.28						
13.7	46.8	1.50						
13.8	48.4	1.56						
13.9	26.8	0.00						

ELECTRICAL CONE SITE Bannister Road Bnl

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
0.0	0.0	0.00	4.0	22.4	2.17	8.0	11.0	3.49
0.1	0.0	0.00	4.1	14.3	2.90	8.1	27.7	0.97
0.2	0.0	0.00	4.2	28.7	1.81	8.2	16.4	1.78
0.3	0.0	0.00	4.3	72.5	0.65	8.3	8.1	2.77
0.4	31.6	3.38	4.4	79.6	0.68	8.4	8.5	3.01
0.5	29.3	3.60	4.5	43.8	2.00	8.5	17.4	1.63
0.6	33.0	3.10	4.6	32.8	1.99	8.6	21.3	1.31
0.7	21.3	4.10	4.7	46.9	1.46	8.7	8.8	4.03
0.8	18.8	3.66	4.8	40.2	1.31	8.8	12.7	3.38
0.9	30.5	1.99	4.9	50.2	1.24	8.9	14.5	3.96
1.0	18.3	3.48	5.0	17.0	2.91	9.0	15.5	3.88
1.1	17.2	3.23	5.1	12.0	2.06	9.1	14.3	4.15
1.2	15.0	3.53	5.2	8.9	2.68	9.2	15.3	4.24
1.3	13.1	3.95	5.3	12.5	2.50	9.3	13.9	3.62
1.4	12.3	4.08	5.4	44.9	0.58	9.4	14.1	3.75
1.5	12.8	3.62	5.5	94.1	0.64	9.5	19.0	4.14
1.6	17.8	3.50	5.6	109.8	1.02	9.6	22.1	4.02
1.7	20.6	3.54	5.7	108.6	0.98	9.7	21.2	3.43
1.8	16.9	2.87	5.8	56.0	2.44	9.8	23.5	3.97
1.9	15.0	2.96	5.9	16.3	2.67	9.9	22.0	3.50
2.0	18.2	3.09	6.0	13.4	2.89	10.0	17.4	3.99
2.1	24.9	1.61	6.1	12.1	3.06	10.1	17.6	3.11
2.2	19.2	2.11	6.2	49.7	1.02	10.2	18.6	2.23
2.3	10.1	4.42	6.3	87.9	1.00	10.3	18.7	2.90
2.4	18.6	2.92	6.4	93.5	1.10	10.4	24.8	3.74
2.5	27.8	1.29	6.5	52.8	2.21	10.5	25.3	4.38
2.6	18.1	2.73	6.6	33.8	2.58	10.6	19.0	3.77
2.7	23.0	1.80	6.7	13.1	4.30	10.7	11.1	3.53
2.8	21.0	1.97	6.8	48.8	1.03	10.8	12.2	4.05
2.9	16.9	2.42	6.9	31.4	1.71	10.9	13.5	4.20
3.0	45.9	0.71	7.0	12.3	2.89	11.0	17.6	4.72
3.1	29.8	2.04	7.1	10.6	3.40	11.1	19.5	4.82
3.2	22.4	1.97	7.2	30.9	1.16	11.2	20.4	5.30
3.3	11.1	3.61	7.3	38.2	0.67	11.3	22.0	5.41
3.4	31.5	1.60	7.4	30.1	1.71	11.4	17.5	4.28
3.5	66.1	0.50	7.5	15.0	2.82	11.5	26.5	4.46
3.6	32.5	2.29	7.6	32.1	1.04	11.6	30.3	5.14
3.7	14.3	3.39	7.7	29.5	1.06	11.7	23.9	4.68
3.8	25.0	1.89	7.8	23.1	2.09	11.8	13.6	3.97
3.9	15.9	2.38	7.9	11.6	2.59	11.9	13.0	3.78

ELECTRICAL CONE SITE Bannister Road Bnl

Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %	Depth meters	Qc Kg/cm2	Ratio %
12.0	16.1	5.35						
12.1	21.3	4.29						
12.2	25.2	4.20						
12.3	30.9	3.83						
12.4	29.8	3.99						
12.5	31.7	4.07						
12.6	25.9	4.50						
12.7	18.9	2.88						
12.8	17.5	2.72						
12.9	30.9	3.77						
13.0	33.2	4.01						
13.1	28.2	3.97						
13.2	27.0	4.34						
13.3	21.8	3.84						
13.4	32.8	2.22						
13.5	26.2	3.25						
13.6	69.4	0.99						
13.7	80.8	1.08						
13.8	43.9	2.56						
13.9	47.3	1.62						
14.0	52.5	1.92						
14.1	35.9	2.11						
14.2	28.5	2.82						
14.3	60.3	1.35						
14.4	74.2	1.28						
14.5	104.4	0.86						
14.6	126.7	0.00						