SSEN TRANSMISSON

PROPOSED LT521 FASNAKYLE 400 KV SUBSTATION
NEAR TOMICH
SCOTTISH HIGHLANDS

REPORT ON GROUND INVESTIGATION

Client:
SSEN Transmission
Consulting Engineers:
Jacobs
95 Bothwell Street
Glasgow
G2 7HX

Contract Number: 26560

Date of Issue: 23 May 2024

Report Issue: Final

Report Type: Factual

Raeburn Drilling & Geotechnical Limited trading as Igne.
Whistleberry Road, Hamilton ML3 0HP
Registered in Scotland No. 00094320

PROPOSED LT521 FASNAKYLE 400KV SUBSTATION
NEAR TOMICH
SCOTTISH HIGHLANDS

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FM Raeburn	Chief Engineer	23 May 2024

For and on Behalf of Raeburn Drilling and Geotechnical Limited Trading as Igne

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REPORT ON GROUND INVESTIGATION

Contract No. 26560 **23 May 2024**

1. INTRODUCTION

It is proposed to construct the new Fasnakyle 400kV substation, near Tomich in the Scottish Highlands. On the instructions of Scottish & Southern Electricity Networks (SSEN) and to their specification aided by instructions given on site by SSEN's Consulting Engineers, Jacobs, an investigation was carried out to provide information on the ground conditions for design and construction of the proposed works and any geochemical contamination of the site. A factual report only was requested.

The comments given in this report and any opinions expressed therein are based on the ground conditions encountered during the site work, on the results of any in-situ or laboratory testing and any professional third party input. Whilst every effort has been made to ensure the accuracy of the data supplied and any analysis or interpretation derived from it, the possibility exists of variations in the ground, groundwater and ground gas conditions around, below and between the extent of the exploratory positions. No liability can be accepted for any such variations in these conditions. Furthermore, any recommendations are specific to the development as detailed in this Report and no liability will be accepted should they be used for the design of alternative schemes, by third parties, without prior consultation with Raeburn Drilling & Geotechnical Limited trading as Igne.

2. LOCATION OF SITE

The site lies approximately 3km south of the village of Tomich and is accessed by existing forestry tracks (approximate National Grid reference NH299240).

A plan showing the approximate location of the site is given in Figure A1 in Appendix A.

3. GROUND INVESTIGATION

3.1 Site Work

The site work was carried out during the period 6th November 2023 to 23rd of January 2024, in accordance with the guidelines laid down in EN1997-2:2007 (Ref. 1), BS5930 (Ref. 2), BS10175 (Ref. 3) and in-house procedures. The results of the site work are given in Appendix B, C, D, E, F, and G. A schedule of the site works is presented as Figure B0.

Twenty-five boreholes were sunk by a mixture of dynamic sampling, rotary open-hole and rotary core drilling methods, and thirty eight trial pits were excavated by mechanical means, at the positions shown on the site plan (Fig. A2 in Appendix A). The depths of the boreholes and trial pits, the descriptions of the strata encountered and comments on the ground-water conditions are given in the borehole and trial pit records (Figs. B1 to B63 in Appendix B). The positions and depths of the boreholes and trial pits were determined by the Client and were set out on site by Raeburn Drilling & Geotechnical Limited trading as Igne in conjunction with the Consulting Engineers.

Disturbed and 100mm diameter tube samples were taken at the depths shown on the borehole and trial pit records and were despatched, together with the rock cores, to the depot at Hamilton for storage. Geochemical soil samples were taken directly into tubs. Samples for volatiles analysis were taken into vials, filling the container completely such that no voids were present. Geochemical samples were stored on site and transported to the laboratory in cool boxes. Each sample was uniquely identified and a transmittal note system used throughout sample transfer.

Photographs were taken of the rock core recovered from the boreholes and a copy is presented as Figure C1 to C23 in Appendix C.

Photographs were also taken of the trial pits and associated spoil heaps and a copy is presented as Figures C24 to C61 in Appendix C.

Standard (split-barrel sampler and cone) penetration tests (Ref. 4) were made to assess the relative density of the materials encountered. The values of penetration resistance, given in the borehole records, are not corrected for energy ratio, or in any other way. The references to relative density under the heading "Description of Strata" in the borehole records are based on the field values of penetration resistance uncorrected for the effects of overburden pressure. Three sets of equipment were used for the tests and the Hammer Energy Test Reports are presented as Figures H1 to H3 in Appendix H. Which set was used in each borehole is noted in the “Remarks” section of the borehole record.

Six thousand two hundred and seventy peat probes were undertaken across the site and the results are presented in figure B64 in Appendix B.

In situ thermal resistivity tests (Ref. 5) were attempted in fifteen trial pits. The results are given as Figure D1 in Appendix D.

One soakaway test (Ref. 6) was carried out in TP28 (see Fig. B0). The results are given as Figure D2 in Appendix D.

A nominal 50mm diameter perforated standpipe was installed in thirteen boreholes, details of which are given on the relevant records. Water level readings were undertaken in the instruments weekly during the site works. Tests were subsequently carried out to determine the methane, carbon dioxide, carbon monoxide, hydrogen sulphide and oxygen contents of the gas in the standpipes. In addition, water level readings were taken in the instruments. The results of the monitoring are given in Figure E1 in Appendix E.

All of the standpipes were purged of three well volumes for well development where water quality readings were taken and the results are given in Figure E2 in Appendix E.

The ground levels and co-ordinates at the borehole and trial pit positions, given on the records and Figure B0, were determined using a Global Positioning System and are related to Ordnance Datum and the National Grid, respectively.

3.2 Laboratory Testing

A series of test schedules were forwarded by the Consulting Engineers. The laboratory testing was carried out by Terra Tek Limited (trading as Igne) who hold UKAS Accreditation for the scheduled tests.

The geotechnical laboratory testing was carried out in accordance with the referenced testing procedures given below. The results are given in Appendix F1 and comprised the following:

Description of Test	Figures	Ref
Moisture Content Tests	F1	7
Liquid and Plastic Limit Tests	F2 and F3	7
Particle Size Distribution Tests	F4 to F26	7
Moisture Content/Dry Density Relationship Tests	F27 to F30	8
California Bearing Ratio (CBR) Tests	F31 to F33	8
One Dimensional Consolidation Test	F34	7
Large Shear Box Tests	F35	7
Thermal Conductivity/Resistivity and Bulk Density Tests	F36 to F49	5

BRE suite tests were undertaken on a series of soil samples from across the site. The results are presented in Derwentside Environmental Testing Services (DETS) Report References 23-29964, 24-00916, 24-0918 and 24-01789 and included in Appendix F1.

The geotechnical rock testing was carried out in accordance with the referenced testing procedure given below. The results are given in Appendix F2 and comprised the following:

Description of Test	Figures	Ref
Resistance to Fragmentation Tests	F1	9
Particle Density and Water Absorption Tests	F2	10
Slake Durability Tests	F3	10
Soundness by Magnesium Sulphate Tests	F4	11
Flakiness index Tests	F5	12
Aggregate Crushing Value Tests	F6	13
Point load tests	F17	14

Description of Test	Figures	Ref
Unconfined Uniaxial Compressive Strength	F8 to F36	15
Micro Deval	F37	16

BRE suite tests were undertaken on a series of rock samples. The results are presented in Derwentside Environmental Testing Services (DETS) Report References 24-01641 and 24-1642 and included in Appendix F2.

In addition, environmental contaminant testing was carried out on samples of soil recovered from across the site. The results are given in Appendix G and are included in Derwentside Environmental Testing Services (DETS) Report References: 23-27909, 23-27898, 23-28008, 23-28158-0, 23-28261, 23-28262-0, 23-28468, 23-28626, 23-29162 & 24-00791.

pp **Graduate Geologist**

pp* **Chief Engineer**

For and on Behalf of Raeburn Drilling and Geotechnical Limited Trading as Igne
Ground Investigation Department
Hamilton

REFERENCES

(1) BS EN 1997-2. Eurocode 7 : Geotechnical design – Part 2 : Design assisted by laboratory testing. 2007.

(2) BS5930:2015+A1:2020: Code of Practice for Ground Investigations, British Standards Institution, 2020.

(3) BS10175: Code of Practice for the Investigation of Potentially Contaminated Sites, British Standards Institution, 2011 + A1:2013.

(4) BS EN ISO 22476-3: Geotechnical investigation and testing. Field testing. Standard penetration test, 2005.

(5) ASTM D5334-14: Standard test Method for Determination of Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Procedure.

(6) BRE Digest 365. Soakaway Design. Building Research Establishment. Sept., 1991.

(7) BS EN ISO 17892: Geotechnical investigation and testing. Laboratory testing of soil. Parts 1 to 12. 2014 - 2018.

(8) BS1377 : Methods of Test for Soils for Civil Engineering Purposes, British Standards Institution, 1990.

(9) BS EN 1097-2. Tests for mechanical and physical properties of aggregates. Methods for the determination of resistance to fragmentation. 2020.

(10) The Complete ISRM Suggested Methods for Rock Characterization, Testing and Monitoring:1974-2006", Edited by R. Ulusay and J.A. Hudson. Suggested Method for Determining Water content, Porosity, Density, Absorption and Related Properties and Swelling and Slake – Durability Index Properties – 1977 (EUR 4).

(11) BS EN 1367-2:2009: Tests for thermal and weathering properties of aggregates. Magnesium sulphate test. 2009.

(12) BS EN 933-3:1997 Tests for geometrical properties of aggregates. Determination of particle shape. Flakiness index. 1997.

(13) BS812-110:1990 Testing Aggregates. Methods for Determination of Aggregate Crushing Value (ACV) 1990.

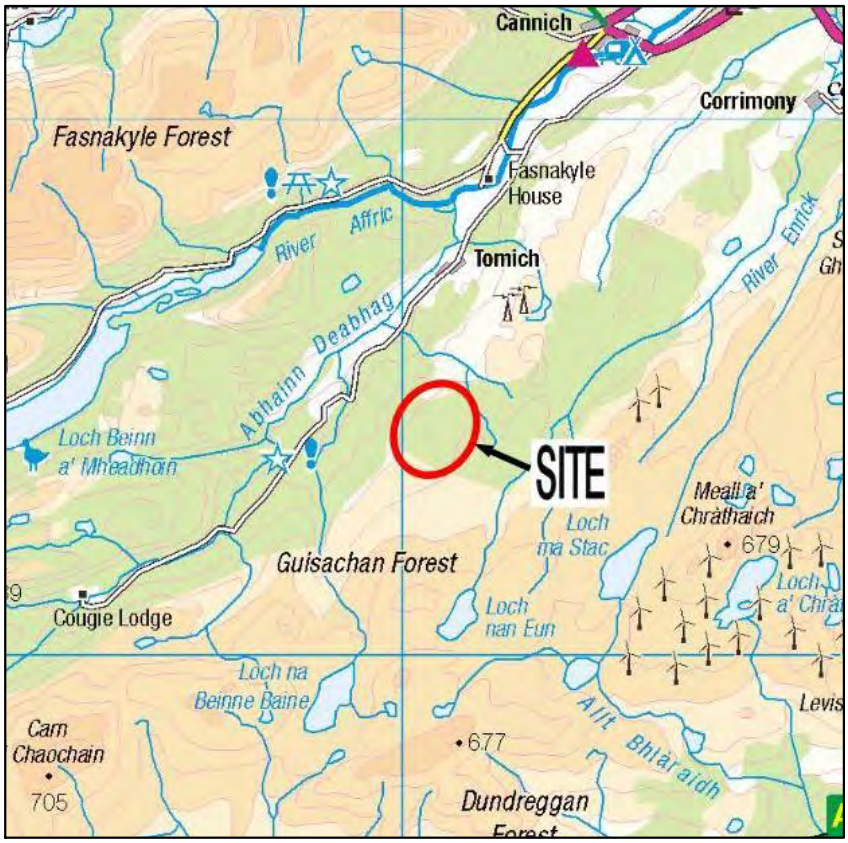
(14) Suggested Method for Determining Point Load Strength, International Society for Rock Mechanics, Commission on Testing Methods, Int. J Rock Mech. Min. Sci. and Geomech. Abstr., Vol. 22, 1985.

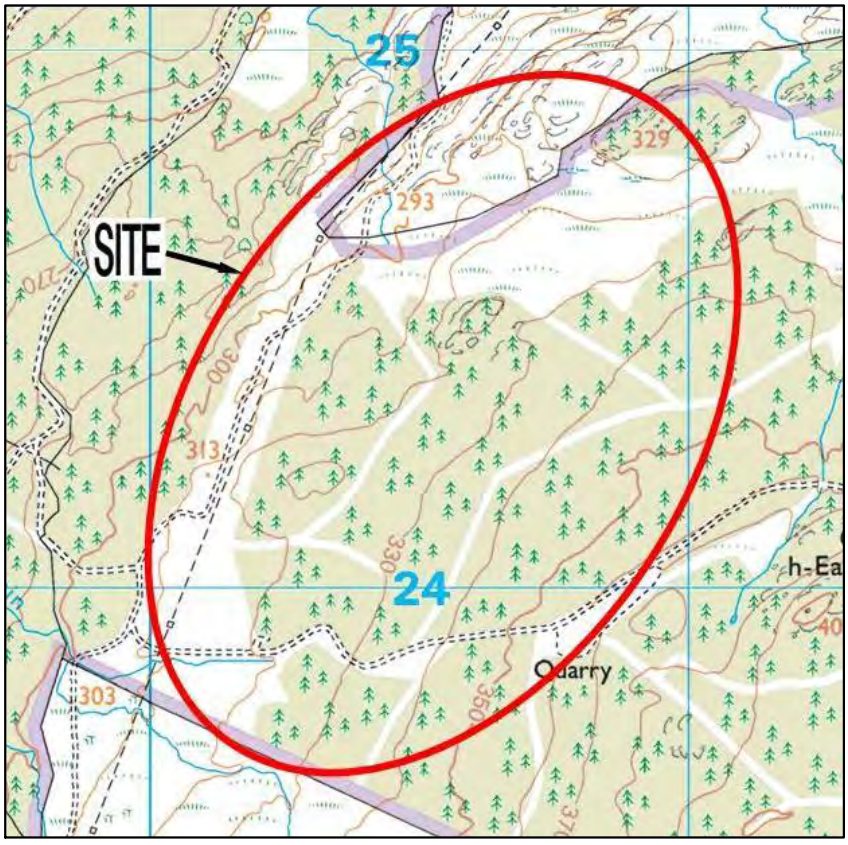
(15) ASTM D2938-95. Standard Test Method for Unconfined Compressive Strength of Intact Rock Core Specimens. ASTM International 1995.

(16) BS EN 1097-1:2011.Tests for mechanical and physical properties of aggregates. Determination of the resistance to wear (micro-Deval). 2011.

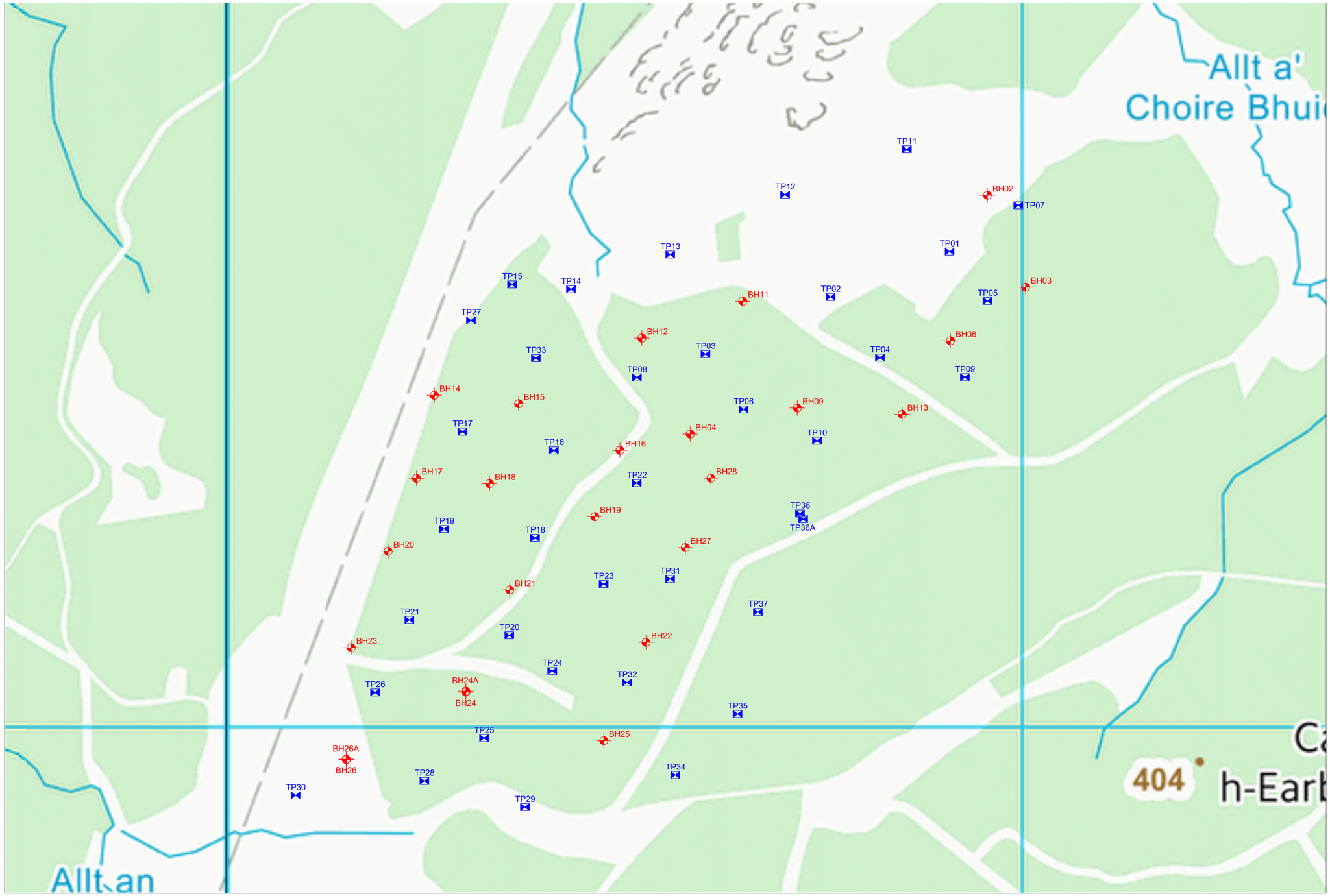
APPENDIX A
PLANS

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Crown Copyright Licence No.
	Engineer: Jacobs	1000005786





	Originator: RH	Title: LOCATION PLAN		Fig No: A1
	Chk & App: FMR	Status: Final		



KEY

- Borehole
- Trial Pit

igne	Site: FASNAKYLE 400KV SUBSTATION	Contract No: 26560	
	Client: SSEN Transmission	Scale: 1:2500@A1	
	Engineer: Jacobs		
	Originator: RH	Title: SITE PLAN	Fig No: A2
	Chk & App: FMR	Status: Final	

Ordnance Survey Licence No:1000005786

APPENDIX B
SITE WORKS

Boring

The standard method of boring in soil for ground investigation is known as the cable tool method. It uses various tools worked on a wire cable, typically a shell in non-cohesive soils such as sand and gravel, and a clay cutter in cohesive soils such as clay. Very dense soils, boulders or other hard obstructions are disturbed or broken up by chiselling and the fragments removed with the shell. Where the ground conditions require, the borehole is lined with driven steel casings of such sizes that the bottom of the borehole is not less than 125mm diameter.

Where there are constraints upon access, alternative methods of soft ground boring are available. However, each has limitations that need to be taken into account when assessing their suitability and the ground conditions inferred from their results.

Rotary Drilling

Rotary drilling is employed to extend ground investigation beyond the practical limit of cable tool boring in hard formations, commonly rock. Core drilling is used to obtain continuous intact samples of the formation and is generally undertaken with double tube swivel type core barrels fitted with tungsten or diamond bits as appropriate to formation type and hardness. Open-hole rotary drilling using tricone rock roller bits or tungsten insert drag bits, or down-the-hole hammers, is carried out where more limited information is sufficient, strata identification being made from cuttings only. Open-hole rotary drilling methods may also be employed for fast penetration of soils where detailed sampling is not required, prior to coring at depth. Air or water is the flushing medium normally used with rotary drilling methods. Where the ground conditions require, the borehole is lined with inserted or drilled-in casing. Rotary percussion allows dynamic sampling within soils.

Sonic Drilling

Sonic drilling is employed as an alternative boring method for soft ground and rock. The sonic rig operates much like any conventional top-drive rotary rig. The main difference is that a sonic drill rig has a specially designed hydraulically powered drill head or oscillator which produces adjustable high frequency vibratory forces. Sonic samples are extruded direct to plastic liner bags or semi-rigid plastic liners for rapid inspection. Bulk and small disturbed samples are then taken from the plastic liner bags.

Trial Pits

Trial pits are excavated by hand or machine for a number of purposes such as avoiding services, exposing foundations or obtaining a better view of shallow ground conditions.

Samples and In-situ Tests

Tube samples of cohesive soils are generally taken with a 100mm internal diameter open drive sampler known as a U100, with an area ratio of 30%. The sampler is driven into the soil at the bottom of the borehole by a sliding hammer. After a sample is taken, the drive head and cutting shoe are unscrewed from the sample tube and any wet or disturbed soil removed from either end. The sample tube is then sealed with wax and fitted with plastic end caps.

A range of more specialised equipment, e.g. thin walled open drive sampler (UT100), piston or foil samplers, may be used to obtain higher quality samples in conditions where conventional open drive sampling is impracticable or unsatisfactory. The UT100 sampler is specifically utilised to obtain class 1 samples of cohesive soils as required under BS EN1997-2.

Disturbed samples are taken from the boring tools or trial pits at regular intervals. The samples are sealed in airtight containers. Bulk samples are large disturbed samples from the boring tools, or from trial pits, generally where tube samples are unavailable.

The Standard Penetration Test, SPT, in accordance with BS EN ISO 22476-3, determines the resistance of soil to the penetration of a split barrel sampler. A 50mm diameter split barrel sampler is driven 450mm into the soil using a 63.5kg hammer with a 760mm drop, and the penetration resistance, the "N" value, is expressed as the number of blows required to achieve 300mm penetration below an initial penetration of 150mm, the seating drive, through any disturbed soil at the bottom of the borehole.

In coarse soils, the Cone Penetration Test (CPT) is conducted in the same manner as the SPT but using a 50mm diameter 60 degree apex solid cone point to replace the split barrel sampler.

Peat Probing

Generally, peat probing is carried out using a Mackintosh Probe. The probe is pushed through the peat until resistance is met then the depth at which this occurred is recorded.

Groundwater

Borehole water levels are recorded, together with the depths at which seepages or inflows of groundwater are detected and the observations noted on the borehole or trial pit records. These observations may not give an accurate indication of groundwater conditions, for the following reasons:

(a) The trial pit or borehole is rarely left standing at the relevant depth for sufficient time for the water level to reach equilibrium.
(b) A permeable stratum may have been sealed off by the borehole casing.
(c) It may have been necessary to add water to the borehole to facilitate progress.
(d) There may be seasonal, tidal or other effects at the site.

A more accurate record of groundwater behaviour may be obtained from standpipes or standpipe piezometers.

Gases

Determination and measurement of gases in the ground, commonly in relation to landfills, may be made directly from the ground surface, where a hole is formed by driving a solid and rigid steel spike to depths normally in the range 1.0 to 1.5m. Gas emissions are analysed using an appropriate portable analyser. However, research has shown that the small sample hole size and smearing effects can give a false negative result.

Where more accurate or longer term measurement of emissions is required, gas monitoring standpipes are installed in boreholes.

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	
	Engineer: Jacobs	

SOIL SAMPLES

U (X)	General purpose tube sample; X No of blows to drive sampler
Piston	Piston sample
	NOTE: Tube samples are 100mm diameter unless otherwise specified in the remarks. Suffix 'a' indicates sample not recovered; suffix 'b' indicates full penetration of sampler not obtained; suffix 'c' indicates full penetration of sampler but limited recovery
D/J/T/V	Small Disturbed/Jar/Tub/Vial sample
B/LB	Bag/Large Bag sample
UT (X)	Thin walled push in sampler (type OS-T/W); X No of blows to drive sampler
ET	Sample appropriate for geochemical analyses (tub)

CORE RECOVERY AND ROCK QUALITY

C	Core Sample
TCR	Total Core Recovery: The total core recovered expressed as a percentage of the core run length
SCR	Solid Core Recovery: The core recovered as solid cylinders expressed as a percentage of the core run length
RQD	Rock Quality Designation: The core recovered as solid cylinders of length 100mm or more expressed as a percentage of core run length.
RO-S/RO-R	Rotary Open Hole Drilling through Soil / Rotary Open Hole Drilling through Rock
FI	Fracture Index: The number of discontinuities expressed as fractures per metre
Flush	"Depth" indicates depth down to which recorded "Returns" relate
NI	Non Intact
NR	No Recovery (assumed)

GROUND-WATER

W	Water Sample
▼	Ground-water encountered
▼	Depth to which ground-water rose
▽	Ground-water cut off by the casing
WS	Water Sample from Standpipe

IN SITU AND FIELD TESTS

SPT=X a/b (pen) or CPT=X a/b (pen)	Standard penetration test (split barrel sampler(SPT)or cone (CPT)); X is the penetration (N) value; 'a' is blow/75mm for seating drive; 'b' is blows/75mm for test drive; (pen) is test drive penetration if less than 300mm.
CBR	California bearing ratio test
MCV	Moisture condition value test
K	Permeability test
HP	Hand penetrometer test
FV	Field vane test
HV	Hand vane test (I = Initial, R = Residual)
ID	Density test
PID	Photo Ionisation Detector (ppm)

LEGENDS

Material legends are in accordance with ISO 710-1 and 710-2

before a description indicates that it is based on the Driller's record.

INSTALLATIONS (BACKFILL)


Concrete


Bentonite


Spoil


Bentonite/cement grout


Sand


Solid pipe


Gravel


Slotted pipe


Porous element


Wooden plug


Asphalt

ROTARY DRILLING SIZES

Letter	Nominal Diameter (mm)	
	Borehole	Core
Standard		
N	76	54
H	100	76
P	121	92
S	146	113
Non-standard		
412	108	75

Other casing and borehole diameter sizes are available and may be used where required. Details will be on the individual BH logs.

DIMENSIONS

All dimensions in metres unless otherwise stated.

KEY TO BOREHOLE AND TRIAL PIT RECORDS

Activity Type/Method Key

CC	Concrete Coring
COM	Rotary Percussion
CP	Cable Percussion (Shell and Auger)
CPT	Static Cone Penetration Test
DCP	Dynamic Cone Penetrometer
DP	Dynamic Cone Sampling
GBS	Geobor-S
HP	Hand Excavated Trial Pit
ICBR	In Situ CBR Test
IDEN	In Situ Density Test
IP	Inspection Pit
IRES	In Situ Resistivity Test
IVAN	In Situ Vane Test
MOSTAP	Monster Steek Apparaat
MP	Mackintosh Probe
PP	Peat Probe
RC	Rotary Coring
RO	Rotary Open Hole
RO-R	Rotary Open in Rock
RO-S	Rotary Open in Soils
SB	Sonic Boring
SC	Sonic Coring
SCP	Static Cone Penetrometer
SL	Sampling Location
SO	Sonic Open Holing
TP	Trial Pit/Trench
WLS	Dynamic (Windowless) Sampler
WS	Window Sampler

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	
	Engineer: Jacobs	

Exploration Point	Co-ordinates		Ground Level	Method	Figure No	Installation	Remarks
	Easting (m)	Northing (m)	(mO.D.)				
BH02	230957.4	824667.9	324.21	IP+RO+RC	B1	1	
BH03	231005.5	824552.3	334.84	IP+RO+RC	B2		
BH04	230583.7	824367.6	325.02	RO+RC	B3	1	
BH08	230911.0	824484.8	334.07	IP+RO+RC	B4	1	
BH09	230718.4	824400.4	330.21	IP+RO+RC	B5		
BH11	230649.8	824534.6	330.59	IP+RO+RC	B6	1	
BH12	230522.9	824488.3	316.47	IP+RO+RC	B7		
BH13	230850.2	824392.4	337.96	IP+RO+RC	B8		
BH14	230262.0	824416.4	306.06	IP+RO+RC	B9	1	
BH15	230368.0	824405.7	311.60	IP+RO+RC	B10		
BH16	230495.4	824347.1	325.42	IP+RO+RC	B11	1	
BH17	230239.5	824312.0	310.49	IP+WLS+RO+RC	B12		
BH18	230331.5	824305.2	316.75	IP+WLS+RC	B13	1	
BH19	230463.8	824263.7	323.52	RO+RC	B14		
BH20	230203.9	824220.1	324.57	RO+RC	B15		
BH21	230356.8	824171.5	326.49	IP+WLS+RO+RC	B16	1	
BH22	230528.2	824105.7	333.84	IP+WLS+RO+RC	B17	1	
BH23	230157.4	824098.9	316.00	IP+RO+RC	B18	1	
BH24	230301.7	824043.0	321.96	IP+RO+RC	B19		
BH24A	230301.7	824044.2	321.87	IP+WLS	B20		
BH25	230475.1	823981.9	332.05	IP+WLS+RO+RC	B21	1	
BH26	230151.4	823958.3	315.06	IP+RO+RC	B22	1	
BH26A	230151.1	823958.5	315.03	IP+WLS	B23		
BH27	230577.6	824224.8	331.69	IP+WLS+RO+RC	B24	1	
BH28	230609.8	824312.1	328.38	IP+WLS+RO+RC	B25		
TP01	230909.8	824597.0	328.24	TP	B26		
TP02	230760.3	824540.0	327.80	TP	B27		
TP03	230602.9	824468.1	327.16	TP	B28		
TP04	230822.3	824463.6	334.79	TP	B29		
TP05	230957.5	824534.9	334.48	TP	B30		
TP06	230650.7	824398.5	328.35	TP	B31		
TP07	230996.3	824655.2	322.32	TP	B32		
TP08	230516.7	824438.7	317.13	TP	B33		
TP09	230929.1	824439.0	341.21	TP	B34		
TP10	230743.1	824359.1	333.41	TP	B35		
TP11	230856.1	824725.7	318.83	TP	B36		
TP12	230703.0	824668.6	324.71	TP	B37		
TP13	230558.6	824593.3	318.63	TP	B38		
TP14	230433.8	824549.7	303.60	TP	B39		

	Originator	Title:		Fig No:
	CR	SCHEDULE OF SITE WORKS		B0
Chk & App	Status			Sheet 1 of 2
FMR	Final			

Exploration Point	Co-ordinates		Ground Level (mO.D.)	Method	Figure No	Installation	Remarks
	Easting (m)	Northing (m)					
TP15	230359.7	824555.7	303.66	TP	B40		
TP16	230412.4	824347.0	316.93	TP	B41		
TP17	230297.3	824370.5	307.90	TP	B42		
TP18	230388.6	824236.9	326.96	TP	B43		
TP19	230274.4	824248.2	323.35	TP	B44		
TP20	230356.2	824114.4	324.54	TP	B45		
TP21	230230.6	824133.9	322.26	TP	B46		
TP22	230516.5	824305.9	325.65	TP	B47		
TP23	230474.9	824179.0	327.63	TP	B48		
TP24	230410.3	824069.5	326.94	TP	B49		
TP25	230324.5	823985.2	323.28	TP	B50		
TP26	230187.4	824042.6	315.28	TP	B51		
TP27	230308.1	824510.5	307.57	TP	B52		
TP28	230249.4	823931.3	321.89	TP	B53		
TP29	230375.9	823898.4	328.37	TP	B54		
TP30	230087.6	823913.0	312.91	TP	B55		
TP31	230558.5	824185.3	332.27	TP	B56		
TP32	230504.2	824055.1	332.85	TP	B57		
TP33	230389.7	824463.0	308.96	TP	B58		
TP34	230565.0	823938.8	339.06	TP	B59		
TP35	230643.3	824015.5	341.68	TP	B60		
TP36	230721.8	824267.6	337.11	TP	B61		
TP36A	230725.8	824260.5	337.34	TP	B62		
TP37	230668.8	824143.7	339.14	TP	B63		

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH02

Engineer: Jacobs

Inspection Pit to 0.40m
Rotary Open Hole to 1.25m
Rotary Core Drilling to 6.25m

Location: E 230957.4
N 824667.9

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Fraste Multidrill PL G;T2-101 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
									324.21						
9/1 2024	0.10	B							323.81	0.40	Dark brown very gravelly very silty fine to coarse SAND with pockets of spongey pseudo-fibrous peat (H7/B3). Gravel is fine and medium angular and subangular of psammite				
	0.40	B, D									Light brown GRANITE recovered as sandy slightly silty fine to coarse angular to subrounded gravel. Sand is fine to coarse				0.50
				TCR	SCR	RQD	FI		322.96	1.25					
			1.25	100	73	28					Strong, locally medium strong pinkish grey GRANITE. Locally moderately weathered where sand and gravel locally infilled fractures. Three fracture sets were identified; No.1: very closely, locally closely spaced, 20°-30°, planar and smooth. No.2: closely, locally medium spaced, 60°-70°, planar and smooth, locally stepped and smooth. No.3: closely spaced, 40°-50°, planar and smooth, locally planar and rough				1.75
			2.55	100	92	45	>20								2.25
10/01			4.10	100	60	0		1.25					0.30m		
			4.20	100	69	55							0.30m		
11/01								1.25					0.30m		
			4.75	100	97	63							0.70m		
12/01								1.20	317.96	6.25			0.70m		6.25
											END OF BOREHOLE				

Remarks:
Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.40m to clear services. Exemption No. 01/2024 due to encountering possible rock.
No ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD54.
A 50mm diameter perforated standpipe was installed to a depth of 6.25m.

Hole Diam.	To Depth Boring	To Depth Casing
175	1.25	1.25
101	6.25	

Driller	Originator
DB	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
									100	Air	0.40	1.25
									100	Water	1.25	6.25

Fig No: B1
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH03

Engineer: Jacobs

Inspection Pit to 0.60m
Rotary Open Hole to 1.30m
Rotary Core Drilling to 6.30m

Location: E 231005.5
N 824552.3

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Fraste Multidrill PL G;T2-101 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD) 334.84	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
18/12/2023	0.30	ES									Brown very sandy silty fine to coarse angular and subangular GRAVEL of psammite with cobbles. Sand is fine to coarse. Cobbles are angular of psammite				
	0.60	B, ES													
18/12								1.30	333.54	1.30			Dry		
			1.30	100	96	95					Strong, locally very strong grey micaceous PSAMMITE with frequent healed incipient fractures. Moderately weathered evident as an orange brown staining present on fracture surfaces and a localised reduction of strength on fracture surfaces. Two fracture sets were identified; No.1: closely, locally medium spaced, 40°-50°, planar and smooth. No.2: single 70° planar and smooth fracture		0.50m		
			2.65	100	90	55	6								
									330.69	4.15					
			4.15	100	0	0	NI		330.49	4.35	Strong grey PSAMMITE recovered as coarse angular gravel				
			4.35	100	78	46					Strong, locally very strong grey micaceous PSAMMITE with frequent healed incipient fractures and occasional quartz veining dipping at 20°-30° up to 15mm thick. Moderatly weathered evident as an orange brown staining on fracture surfaces and a localised reduction of strength on fracture surfaces. Fractures are closely spaced, 40°-50°, planar and smooth				
			5.30	100	90	70	8								
19/12								1.30	328.54	6.30			0.40m		6.30
											END OF BOREHOLE				

Remarks:
Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.60m to clear services. Exemption number 82/2023 due to hard digging.
No ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD24.

Hole Diam.	To Depth Boring	To Depth Casing
175	1.30	1.30
101	6.30	

Driller	Originator
DB	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
									100	Air	0.60	1.30
									100	Water	1.30	6.30

Fig No: B2
Sheet 1 of 1
Scale 1:50

Style: BOREHOLE NEW File: P:\GINTW\PROJECTS\26560.GPJ+44 (0)1698 710999 Printed: 07/03/2024 19:09:13 Raeburn Drilling and Geotechnical trading as IGNE, Whistleberry Rd, Hamilton ML3 0HP Tel: 01698-711177 E-mail: enquiries.raeburndrilling@igne.com

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH04

Engineer: Jacobs

Rotary Open Hole to 1.50m
Rotary Core Drilling to 7.50m

Location: E 230583.7
N 824367.6

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Boart Longyear Deltabase 520; T6-131 Core barrel: Water flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
10/1 2024									325.02		# Weathered PSAMMITE				0.50
10/01								1.50	323.52	1.50			1.50m		
			1.50	100	90	17	10				Strong grey micaceous PSAMMITE with frequent healed incipient fractures. Moderatly weathered evident as an orange brown staining on fracture surfaces. Gravel is locally infilling fracture surfaces and there is a localised reduction of strength on fracture surfaces. Three fracture sets were identified; No.1: closely, locally medium spaced, 20°-30°, planar and smooth. No.2: medium spaced, 70°-80°, stepped and rough. No.3: single 85°-90°, planar and smooth fracture		0.50m		2.00
															2.50
11/01								1.50					0.50m		
			3.00	100	90	28			321.77	3.25			0.50m		
							10		321.57	3.45	Very strong pinkish brown GRANITE with frequent healed incipient fractures and 50mm thick quartz vein at 3.30m. Slightly weathered evident as an orange brown staining. Single 50°-60°, stepped and smooth fracture				
							20		321.37	3.65					
							13		321.22	3.80	Very strong, locally strong grey micaceous PSAMMITE . Moderately weathered evident as an orange brown staining on fracture surfaces and a localised reduction of strength on fracture surfaces. No visible fractures				
							8		320.92	4.10	Very strong pinkish brown GRANITE. Slightly weathered evident as an orange brown staining on fracture surfaces. Two fracture sets were identified; No.1: single 70°-80°, stepped and smooth fracture. No.2: single 10°-15°, planar and smooth fracture				
			4.50	100	97	49					Very strong, locally strong grey micaceous PSAMMITE. Moderately weathered evident as an orange brown staining on fracture surfaces and gravel locally infilling fracture surfaces. Two fracture sets were identified; No.1: closely spaced, 10°-20°, planar and smooth. No.2: single 20°-30°, stepped and smooth fracture				
							6				Weak, locally medium strong pinkish brown GRANITE with psammite xenoliths at top. Locally moderately weathered evident as gravel locally infilling fracture surfaces. Three fracture sets were identified; No.1: closely spaced, 10°-20°, planar and smooth. No.2: closely spaced, 60°-70°, planar and smooth No.3: closely spaced, 20°-30°, planar and smooth				
12/01								1.50			....at 5.90m: 250mm band of quartzite				
			6.00	100	97	63					....at 6.15m: 50mm quartz vein		0.50m		
									318.32	6.70					
							4				Very strong dark grey micaceous PSAMMITE with frequent infilled incipient fractures. Moderately weathered evident as an orange brown staining on fracture surfaces. Fractures are medium spaced, 20°-30°, planar and rough				
									317.52	7.50					7.50
											END OF BOREHOLE				

Remarks:

Description based on Driller's log.
An inspection pit was not excavated due to shallow rock. Exemption number 03/2024 due to encountering possible rock.
Ground-water was encountered at a depth of 1.50m.
The Penetration Tests were carried out using Trip Hammer RD24.
A 50mm diameter perforated standpipe was installed to a depth of 7.50m.

Hole Diam.	To Depth Boring	To Depth Casing
175	1.50	1.50
131	7.50	

Driller	Originator
SW	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
									100	Water	1.50	7.50

Fig No: B3

Sheet 1 of 1

Scale 1:50

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Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH08

Engineer: Jacobs

Inspection Pit to 1.00m
Rotary Open Hole to 1.60m
Rotary Core Drilling to 6.80m

Location: E 230911.0 N 824484.8

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Fraste Multidrill PL G;T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
									334.07						
12/12 2023									333.67	0.40	# Tree roots				0.50
											# Grey SAND and GRAVEL				
12/12								1.60	332.47	1.60			Dry		
			1.60	100	95	65	5				Very strong grey micaceous PSAMMITE with occasional subhorizontal micaceous bands up to 10cm containing garnets up to 3mm. Locally slightly weathered evident as localised orange brown staing on fracture surfaces. Two fracture sets were identified; No.1: closely spaced, 20°-30°, planar and smooth, locally planar and rough. No.2: single 40°-60°, stepped and smooth fracture				2.10
			2.60	100	56	48			331.17	2.90					2.60
			3.10	100	83	67	9				Very strong pinkish brown GRANITE with psammite xenoliths between 2.90m and 3.30m. Locally slightly weathered evident as an orange brown staining on fracture surfaces. Two fracture sets were identified; No.1: very closely spaced, 10°-15°, planar and smooth, locally planar and rough. No.2: very closely spaced, 30°-40°, planar and smooth, locally stepped and rough				
13/12								1.60					0.20m		
			3.40	100	100	100									
14/12			3.60	100	100	67		1.60	330.32	3.75			0.20m		
			3.75	100	84	41	19				Very strong, locally strong grey micaceous PSAMMITE with occasional subhorizontal quartz veins up to 20mm wide and rare garnets up to 3mm. Moderatly, locally slightly weathered evident as an orange brown staining on fracture surfaces and localised reduction in strength on fracture surfaces. Three fracture sets were identified; No.1: very closely, locally medium spaced, 30°-40°, planar and smooth. No.2: medium spaced, 70°-80°, planar and rough. No.3: single 85°-90°, planar and rough fracture				
			5.30	100	98	89									
15/12								1.60	327.27	6.80					6.80
											END OF BOREHOLE				

Remarks:
Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 1.00m to clear services. Exemption No. 79/2023 due to encountering possible rock.
No ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD24.
A 50mm diameter perforated standpipe was installed to a depth of 6.80m.

Hole Diam.	To Depth Boring	To Depth Casing
175	1.60	1.60
131	3.75	
101	6.80	

Driller	Originator
DB	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
									100	Air	1.00	1.60
									100	Water	1.60	6.80

Fig No: B4

Sheet 1 of 1

Scale 1:50

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Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH09

Engineer: Jacobs

Inspection Pit to 0.40m
Rotary Open Hole to 3.10m
Rotary Core Drilling to 8.60m

Location: E 230718.4
N 824400.4

Orientation: Vertical

Equipment: Hand Tools, Track Mounted Commachio Geo 205; Water Flush;T6-131 Core Barrel

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
									330.21						
13/12/2023	0.30	ES							329.81	0.40	Brown plastic amorphous PEAT (H8/B2)				
									327.11	3.10	# Weathered PSAMMITE				
			3.10	100	89	66	NI 7				Medium strong, locally strong grey micaceous PSAMMITE with occasional subvertical quartz veins up to 20mm wide. Moderatly weathered evident as sand locally infilling fracture surfaces, reduction of strength on fracture surfaces and locallised orange brown staining. Fractures are closely spaced, 20°-30°, planar and rough, locally planar and smooth				
13/01			4.60	100	67	53	NI 8	3.10					3.30m		
									324.91	5.30			3.20m		
			5.80	100	91	54	5				Medium strong, locally strong pinkish brown GRANITE with psammite xenolith between 6.05m and 6.20m. Locally slightly weathered evident as clay staining on fracture surfaces. Two fracture sets were identified; No.1 closely spaced, 30°-40°, planar and smooth, locally planar and rough. No.2 very closely spaced, 70°-80°, planar and smooth				
									323.56	6.65					
			7.30	100	100	72	5				Very strong dark grey PSAMMITE with occasional subhorizontal micaceous bands containing garnets up to 1mm and occasional calcite healed subvertical incipient fractures. Locally moderatly weathered evident as an orange brown staining. Two fracture sets were identified; No.1: very closely spaced, 50°-60°, planar and smooth. No.2: single 70°, planar and smooth fracture				
14/12								3.10	321.61	8.60	END OF BOREHOLE		0.50m		8.60

Remarks:
Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.40m to clear services. Exemption No. 80/2023 due to encountering possible rock.
No ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD54.

Hole Diam.	To Depth Boring	To Depth Casing
175	3.10	3.10
131	8.60	

Driller	Originator
SW	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
									100	Air	0.40	3.10
									100	Water	3.10	8.60

Fig No: B5
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		BH11
Engineer: Jacobs		Inspection Pit to 0.20m Rotary Open Hole to 1.10m Rotary Core Drilling to 6.10m
Location: E 230649.8 N 824534.6	Orientation: Vertical	Equipment: Hand Tools, Track Mounted Commachio Geo 205;T2-101 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
									330.59						
19/12/2023									330.39	0.20	# PEAT				0.50
									329.49	1.10	# Grey PSAMMITE				
			1.10	100	65	10	NI 9				Medium strong, locally moderately weak pinkish grey GRANITE. Moderately, locally highly weathered evident as an orange brown staining on fracture surfaces, locally reduced to gravel on fracture surfaces and a localised reduction of strength on fracture surfaces. Fractures are closely spaced, 60°-70°, planar and smooth				1.60
			2.10	100	78	43	10		328.29	2.30					2.10
									326.99	3.60	Strong, locally medium strong grey micaceous PSAMMITE with occasional bands of garnet up to 2mm and rare subhorozontal quartz veining up to 30mm. Moderately, locally highly weathered evident as an orange brown staining on fracture surfaces, localised reduction of strength on fracture surfaces and sand and gravel locally infilling fracture surfaces. Two fracture sets were identified; No.1: closely, locally medium spaced, 10°-20°, planar and smooth, locally stepped and rough. Single 80°, planar and smooth fracture				
			3.60	100	97	43	12				Medium strong, locally strong grey micaceous PSAMMITE with occasional garnet bands up to 3mm and occasional 20°-30° dipping quartz veins up to 10mm. Slightly weathered evident as an orange brown staining on fracture surfaces. Two fracture sets were identified; No.1: closely, locally medium spaced, 20°-30°, planar and smooth. No.2: single 70°, planar and smooth fracture				
			5.10	100	95	87									
19/12								1.10	324.49	6.10	END OF BOREHOLE		1.00m		6.10

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.20m to clear services. Exemption No. 83/2023 due to encountering possible rock.
No ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD54.
A 50mm diameter perforated standpipe was installed to a depth of 6.10m.

Hole Diam.	To Depth Boring	To Depth Casing
175	1.10	1.10
101	6.10	

Driller	Originator
SW	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
									100	Air	0.20	1.10
									100	Water	1.10	6.10

Fig No: B6
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH12

Engineer: Jacobs

Inspection Pit to 0.25m
Rotary Open Hole to 2.10m
Rotary Core Drilling to 7.40m

Location: E 230522.9 N 824488.3

Orientation: Vertical

Equipment: Hand Tools, Track Mounted Commachio Geo 205;T2-101 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
						316.47						
19/12/2023						316.22	0.25	# Broken psammite GRAVEL and brash				
	0.50	B, D, ES						Brown very gravelly silty fine to coarse SAND with cobbles. Gravel is fine to coarse angular and subangular psammite. Cobbles are subangular of psammite				0.50
	1.00	D, ES										
			1.50	CPT>50 7.13 /17.24.9 (155)	1.50							
						314.57	1.90					
				TCR SCR RQD FI		314.37	2.10	# PSAMMITE with quartz and granite bands				2.10
			2.10	100 92 31				Strong, locally very strong grey micaceous PSAMMITE with occasional bands of garnet up to 2mm. Moderatly weathered between 2.10m and 2.50m evident as local gravel infils between fractures and localised reductions in strength on fracture surfaces. Three fracture sets were identified; No.1: closely, locally medium spaced, 10°-20°, planar and smooth. No.2: medium spaced, 40°-50°, stepped and rough. No.3: single 80°, planar and rough fracture.				
10/01			2.75	100 80 60 5	2.10					0.20m		
								...between 2.45m and 2.85m subvertical 50mm thick infilled fracture		0.45m		
			3.75	100 92 80 NI								
11/01					2.10					0.15m		
			5.15	100 93 73						0.25m		
			6.65	100 93 84 5				....at 6.85m: 50mm thick band of quartzite veins ....at 7.05m: 100mm thick band of quartzite veins ....at 7.20m: 150mm thick band of quartzite veins				
12/01					2.10	309.07	7.40			0.15m		7.40
								END OF BOREHOLE				

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.25m to clear services. Exemption No. 02/2024 due to hard digging.
Below 1.80m no ground-water observations are recorded due to use of water flush.
The Penetration Tests were carried out using Trip Hammer RD125.

Hole Diam.	To Depth Boring	To Depth Casing
175	2.10	2.10
101	7.40	

Driller	Originator
GR	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off
1.80			2.00

Water Added From	To

Chiselling From	To	hh:mm

Flush Returns	Type	From (m)	To (m)
100	Air	0.25	2.10
100	Water	2.10	7.40

Fig No: B7

Sheet 1 of 1

Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH13

Engineer: Jacobs

Inspection Pit to 0.60m
Rotary Open Hole to 1.50m
Rotary Core Drilling to 8.65m

Location: E 230850.2
N 824392.4

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka)
Commachio Geo 205; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
30/11/2023						337.96		Dark brown plastic amorphous PEAT (H7B2)				
	0.30	ES										
	0.50	B, D, ES										
						336.86	1.10					
	1.20	D	1.20	SPT>50 25 (35)/50 (45)	1.20			# PSAMMITE and quartz bands				
				TCR SCR RQD FI		336.46	1.50					1.50
			1.50	100 75 64 5				Medium strong, locally strong grey micaceous PSAMMITE with occasional garnets up to 2mm, occasional healed incipient fractures and 50mm thick quartz veins at 1.55m and 1.65m. Slightly weathered evident as a localised reduction of strength on fracture surfaces. Fractures are closely, locally medium spaced, 30°-40°, planar and smooth, locally planar and rough, locally clay filled				
30/11			2.45	100 88 26	1.50					2.00m		
										2.20m		
						334.91	3.05					
			3.05	100 80 0 8				Strong grey micaceous PSAMMITE with occasional healed incipient fractures. Slightly weathered evident as a localised reduction in strength and greenish yellow staining on fracture surfaces. Two fracture sets were identified; No.1 closely, locally medium spaced, 30°-40°, planar and smooth, locally planar and rough. No.2: closely spaced, 80°-85°, planar and smooth, locally undulating and rough ….at 4.15m: becoming light grey				
01/12					1.50	333.41	4.55			3.10m		
			4.55	100 87 0				Strong, locally very strong grey micaceous PSAMMITE with occasional quartz veining dipping at 20°-40° and up to 10mm, occasional grey micaceous bands containing garnets up to 2mm. Locally slightly weathered evident as a local infilling of fractures. Three fracture sets were identified; No.1: very closely, locally medium spaced, 10°-20°, planar and smooth, locally planar and rough. No.2: very closely spaced, 80°-90°, planar and smooth. No.3: very closely spaced, 40°-50°, planar and smooth, locally stepped and smooth		0.10m		
			5.15	100 100 88								
			6.65	100 100 84 5								
04/12					1.50					0.10m		
			7.15	100 97 14						0.10m		
								....at 8.45m: 100mm thick quartz band				
08/12					1.50	329.31	8.65			0.25m		8.65
								END OF BOREHOLE				

Remarks:
Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.60m to clear services. Exemption No. 74/2023 due to encountering possible rock.
Ground-water was encountered at a depth of 1.10m.
Below 1.10m no ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer R125.

Hole Diam.	To Depth Boring	To Depth Casing
175	1.50	1.50
131	8.65	

Driller	Originator
GR	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off
1.10			

Water Added From	To

Chiselling From	To	hh:mm

Flush Returns	Type	From (m)	To (m)
100	Air	0.60	1.50
100	Water	1.50	8.65

Fig No: B8
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH14

Engineer: Jacobs

Inspection Pit to 0.80m
Rotary Open Hole to 1.30m
Rotary Core Drilling to 6.75m

Location: E 230262.0 N 824416.4

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Fraste Multidrill PL G;T2-101 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
									306.06						
4/12/2023	0.20	B									Brown very gravelly very silty fine to coarse SAND with cobbles. Gravel is fine to coarse angular and subangular of psammite. Cobbles are angular of psammite				0.50
	0.30	ES													
	0.50	ES													
									305.26	0.80					
	0.80	D									Brownish grey sandy fine to coarse angular to subangular GRAVEL of psammite. Sand is fine to coarse				
04/12								1.30	304.76	1.30			0.80m		
			1.30	100	74	22	10				Strong, locally very strong grey micaceous PSAMMITE. Moderatly weathered evident as localised greenish brown staining on fracture surfaces and localised reduction of strength on fracture surfaces. Three fracture sets were identified; No.1: close, locally medium spaced, 20°-30°, planar and smooth, locally planar and rough. No.2: very closely spaced, 70°-85°, planar and smooth. No.3: single 70°, planar and smooth fracture		0.00m		1.80
							NI								2.30
			2.55	100	47	46	7								
									302.01	4.05					
			4.05	100	87	29	7				Strong, locally very strong grey micaceous PSAMMITE. Locally moderatly weathered evident as sand locally infilling fracture surfaces, localised reduction of strength on fracture surfaces and local orange brown and greenish brown staining on fracture surfaces . Two fracture sets were identified; No.1: closely, locally medium spaced, 30°-40°, planar and smooth, locally planar and rough. No.2: single 80°-90°, stepped and smooth fracture				
05/12								1.30					0.30m		
			5.55	100	90	75							0.20m		
08/12							NI	1.30	299.31	6.75			0.20m		6.75
											END OF BOREHOLE				

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.80m to clear services. Exemption No. 77/2023 due to encountering possible rock.
Below 1.30m no ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD24.
A 50mm diameter perforated standpipe was installed to a depth of 6.75m.

Hole Diam.	To Depth Boring	To Depth Casing
175	1.30	1.30
101	6.75	

Driller	Originator
DB	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off
1.30	0.80	20.00	

Water Added From	To

Chiselling From	To	hh:mm

Flush Returns	Type	From (m)	To (m)
100	Air	0.80	1.30
100	Water	1.30	6.75

Fig No: B9

Sheet 1 of 1

Scale 1:50

Raeburn Drilling and Geotechnical trading as IGNE, Whistleberry Rd, Hamilton ML3 0HP Tel: 01698-711177 E-mail: enquiries.raeburndrilling@igne.com

Printed: 07/03/2024 19:09:23 (0)1698 710999 File: P:\GINT\WPROJECTS\26560.GPJ+44 Style: BOREHOLE NEW

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH15

Engineer: Jacobs

Inspection Pit to 0.80m
Rotary Open Hole to 1.30m
Rotary Core Drilling to 7.25m

Location: E 230368.0 N 824405.7

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Fraste Multidrill PL G; T6-131 Core Barrel & T2-101 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
									311.60						
28/11/2023	0.10	B									Brown gravelly slightly silty fine to coarse SAND with cobbles. Gravel is fine to coarse angular to subrounded of psammite. Cobbles are angular of psammite				
	0.30	ES							311.10	0.50					
	0.50	B, D, ES									Brown very gravelly slightly silty fine to coarse SAND with cobbles. Gravel is fine to coarse angular to subrounded of psammite. Cobbles are angular and subangular of psammite				
	0.80	D, ES							310.80	0.80					
											Reddish brown fine to coarse SAND and fine to coarse angular and subangular GRAVEL of psammite and granite				
									310.30	1.30					
			1.30	100	78	46	7				Strong dark grey PSAMMITE with rare subhorizontal quartz veining up to 10mm wide. Slightly weathered evident as an orange brown staining on fracture surfaces. Two fracture sets were identified; No.1: closely, locally medium spaced, 10°-20°, planar and smooth. No.2: single 40°-50°, stepped and smooth fracture				
									309.10	2.50					
			2.50	100	88	17	2		308.90	2.70	Strong and very strong pinkish orange GRANITE. Slightly weathered evident as an orange brown staining on fracture surface. Single 50°-60°, planar and smooth fracture				
							7				Strong grey micaceous PSAMMITE with rare garnets up to 3mm and rare quartz veining dipping at 20°-30°, up to 20mm. Moderately weathered evident as an orange brown staining on fracture surfaces and reduction of strength on fracture surfaces. Two fracture sets were identified; No.1: closely, locally medium spaced, 50°-60°, planar and smooth No.2: single 70°-80°, planar and rough fracture				
			3.70	100	67	17	NI								
28/11							3	1.30	307.35	4.25			1.30m		
			4.25	100	93	93					Strong grey micaceous PSAMMITE. Moderately weathered evident as an orange brown staining on fracture surfaces and sand locally infilling fractures. Fractures are closely, locally medium spaced, 40°-50°, planar and rough		0.40m		
			4.40	100	90	50	3								
							NI								
							7								
									305.85	5.75					
			5.75	100	97	77	5				Strong grey micaceous PSAMMITE with occasional quartz veins dipping at 20°-40° up to 20mm wide and frequent granite intrusions up to 100mm. Slightly weathered evident with as an orange brown staining on fracture surfaces. Two fracture sets were identified; No.1: medium, locally closely spaced, 60°-70°, planar and smooth. No.2: single 60°-70°, stepped and rough fracture				
29/11								1.30	304.35	7.25			0.60m		7.25
											END OF BOREHOLE				

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.80m to clear services. Exemption No. 72/2023 due to encountering possible rock.
Ground-water was encountered at a depth of 1.30m, rising to 0.35m after 20mins.
Below 1.30m no ground-water observations are recorded due to use of water flush.
The Penetration Tests were carried out using Trip Hammer RD24.

Hole Diam.	To Depth Boring	To Depth Casing
175	1.30	1.30
131	4.40	
101	7.25	

Driller	Originator
DB	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
1.30	0.35	20.00							100	Air	0.80	1.30
									100	Water	1.30	7.25

Fig No: B10

Sheet 1 of 1

Scale 1:50

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	BH16
	Engineer: Jacobs	Inspection Pit to 0.40m; Rotary Open Hole to 1.40m; Rotary Core Drilling to 7.25m
Location: E 230495.4 N 824347.1	Orientation: Vertical	Equipment: Hand Tools, Track Mounted (Morooka) Fraste Multidrill PL G; T6-131 Core Barrel Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD) 325.42	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
18/12/2023	0.00	B									Brown silty fine to coarse SAND				
									325.02	0.40					0.50
	0.40	B									Weathered broken PSAMMITE recovered as brown very gravelly silty fine to coarse sand. Gravel is fine to coarse angular and subangular				
	0.60	ES													
									324.02	1.40					
			1.40	100	86	44	7				Very strong, locally strong dark grey micaceous PSAMMITE with frequent healed incipient fractures. Moderatly weathered evident as an orange brown staining on fracture surfaces and localised reduction of strength on fracture surfaces. Two fracture sets were identified; No.1: medium spaced, 10°-20°, planar and smooth, locally planar and rough. No.2: medium, locally closely spaced, 70°-80°, planar and smooth				2.40
18/12			2.90	100	93	37		1.40					1.00m		2.90
									321.77	3.65	….from 3.57m to 3.65m: very strong pinkish brown granite				
			3.65	100	82	76	5				Very strong dark grey PSAMMITE with frequent healed incipient fractures and rare quartz veining up to 5mm. Slightly weathered evident as an orange brown staining on fracture surfaces. Two fracture sets were identified; No.1: very closely, locally medium spaced, 10°-20°, planar and smooth, locally planar and rough. No.2: closely spaced, 60°-70°, stepped and smooth				
									320.67	4.75					
			4.75	100	90	40	7				Medium strong, locally strong and very strong PSAMMITE with frequent healed incipient fractures and occasional quartz veining dipping at 30°-40° up to 10mm. Locally moderatly weathered evident as an orange brown staining on fracture surfaces. Fractures are closely spaced, 20°-30°, planar and smooth				
											....below 6.00m: moderately weathered evident as reduction of strength on fracture surfaces and sand infilling between fractures				
			6.25	100	95	26			319.02	6.40					
							11				Strong, locally very strong very thinly bandedpinkish brown GRANITE with a single quartz vein dipping at 40°, 30mm wide and psammite xenoliths at top. Moderatly weathered evident as a localised reduction in strength on fracture surfaces and gravel locally infilling fracture surfaces. Two fracture sets were identified; No.1: closely spaced, 10°-20°, planar and rough, locally planar and smooth. No.2: single 70°-80°, stepped and rough fracture				
19/12								1.40	318.17	7.25			0.80m		7.25
											END OF BOREHOLE				

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.40m to clear services. Exemption No. 81/2023 due to encountering possible rock.
Ground-water was encountered at a depth of 1.40m, rising to 1.00m after 20mins.
Below 1.40m no ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD24.
A 50mm diameter perforated standpipe was installed to a depth of 7.25m.

Hole Diam.	To Depth Boring	To Depth Casing
175	1.40	1.40
131	7.25	

Driller	Originator
WW	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
1.40	1.00	15.00							100	Air	0.40	1.40
									100	Water	1.40	2.60

Fig No: B11
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH17

Engineer: Jacobs

Inspection Pit to 1.20m
WLS to 3.20m
Rotary Open Hole to 3.40m
Rotary Core Drilling to 8.75m

Location: E 230239.5 N 824312.0

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Fraste Multidrill PL G; T2-101 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
30/11/2023						310.49						
	0.30	B, D, ES						Dark brown gravelly slightly sandy plastic amorphous PEAT with cobbles (H7/B2). Sand is fine to coarse. Gravel is fine to coarse angular and subangular of psammite. Cobbles are angular of psammite				
	0.50	B, D, ES				309.99	0.50					
	0.80	B, D, ES						Dark brown very gravelly slightly sandy plastic amorphous PEAT (H7/B1) with cobbles. Sand is fine to coarse. Gravel is fine to coarse angular and subangular of psammite. Cobbles are angular of psammite				
	1.20-2.20	UL										
	2.20	B, D	2.20	SPT>50 3.12 /24.38.15 (160)	2.20	308.29	2.20	Very dense dark brown silty fine to coarse SAND and fine to coarse angular and subangular GRAVEL of psammite				
	3.20	D		TCR SCR RQD FI		307.29	3.20					
						307.09	3.40	# Strong grey PSAMMITE				
			3.40	100 69 44				Strong, locally very strong grey micaceous PSAMMITE with occasional garnets up to 3mm and occasional quartz veins which are dipping subhorizontally to locally 70° up to 100mm. Slightly weathered evident as a reduction of strength on fracture surfaces. Two fracture sets were identified; No.1: medium, locally closely spaced, 40°-50°, planar and smooth, locally planar and rough. No.2: closely spaced, 60°-70°, planar and smooth				
			4.30	100 94 36								
			5.75	100 97 32	>20			....at 6.45m: 150mm band of quartz				
			7.25	100 92 33								
30/11					3.40	301.74	8.75	END OF BOREHOLE		0.60m		8.75

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 1.20m to clear services.
Ground-water was encountered at a depth of 2.60m.
Below 3.40m no ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD24.
SPT at 3.20m N>50 25(0)/50(0).

Hole Diam.	To Depth Boring	To Depth Casing
175	3.40	3.40
101	8.75	

Driller	Originator	Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
WW	JM	3.20									100	Air	1.20	3.40
											100	Water	3.40	8.75
Chk & App	Status													
FMR	**Final**													

Fig No: B12

Sheet 1 of 1

Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		BH18
Engineer: Jacobs		Inspection Pit to 1.20m; WLS to 2.90m; Rotary Core Drilling to 8.30m
Location: E 230331.5 N 824305.2	Orientation: Vertical	Equipment: Hand Tools, Track Mounted (Morooka) Fraste Multidrill PL G; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
						316.75						
23/11/2023	0.20	B, D				316.55	0.20	Brown gravelly sandy plastic amorphous PEAT (H7/B2). Sand is fine to coarse. Gravel is fine to coarse angular to subrounded of psammite and granite				
	0.30	ES						Brown very gravelly silty fine to coarse SAND with cobbles. Gravel is fine to coarse angular to subrounded of psammite and granite. Cobbles are subangular of psammite				0.50
	0.50	ES										
	0.60	B										1.00
	1.00	ES				315.55	1.20					
	1.20-2.00	D, D UL	1.20	SPT=16 2.2 /2.5.3.6	1.20			Medium dense grey very gravelly silty fine to coarse SAND with cobbles. Gravel is fine and medium subangular and subrounded of psammite and granite. Cobbles are subangular of psammite				1.50
	1.20	D, D										
	2.00	D	2.00	SPT=32 25.12 /6.7.7.12	2.00			....below 2.00m: dense				
	2.00-2.30	UL										
	2.30	B										2.60
				TCR SCR RQD FI		313.85	2.90					
	2.90	D	2.90	100 67 8 11				Strong grey thinly foliated PSAMMITE with rare quartz veins dipping at 10°-20°, up to 10mm wide. Moderatly weathered evident as an orange brown staining on fracture surfaces. Three fracture sets were identified; No.1: closely spaced, 10°-20°, planar and smooth. No.2: single 40°-50°, stepped and smooth fracture. No.3: single 70°-80°, planar and rough fracture				
			4.40	100 50 25 NI 11		312.35	4.40					
								Strong grey thinly foliated PSAMMITE with healed incipient fractures and occasional pinkish brown granite intrusions up to 150mm. Moderatly weathered evident as an orange brown staining on fracture surfaces. Two fracture sets were identified; No.1: medium spaced, 10°-20°, planar and smooth. No.2: single 50°-60°, planar and smooth fracture				
						311.40	5.35					
			5.40	100 76 18 17		311.10	5.65	Strong, locally medium strong pinkish brown GRANITE. Moderatly weathered evident as an orange brown staining on fracture surfaces and localised reduction of strength on fracture surfaces. Fractures are closely spaced, 30°-40°, planar and smooth				
				13		310.95	5.80					
23/11			5.95	100 86 13 NI	2.90			Strong, locally medium strong grey thinly foliated PSAMMITE. Moderatly weathered evident as an orange brown staining on fracture surfaces. Single 30°-40°, planar and smooth fracture		1.70m		
				12				Strong, locally medium strong pinkish brown GRANITE. Moderatly weathered evident as an orange brown staining on fracture surfaces and localised reduction of strength on fracture surfaces. Three fracture sets were identified; No.1: closely spaced, 30°-40°, planar and smooth. No.2: closely spaced, 60°-70°, planar and smooth. No.3: single 60°-70°, undulating and rough fracture		2.00m		
24/11					2.90	309.25	7.50			1.80m		
			7.50	100 0 0 NI				Strong, locally medium strong pinkish brown GRANITE. Recovered as non-intact		1.80m		
27/11					2.90	308.45	8.30					8.30
								END OF BOREHOLE				

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 1.20m to clear services.
Ground-water was encountered at a depth of 2.60m.
Below 2.90m no ground-water observations are recorded due to use of water flush.
The Penetration Tests were carried out using Trip Hammer RD24.
A 50mm diameter perforated standpipe was installed to a depth of 2.60m.
SPT at 2.90m N>50 25(50)/50(20).

Hole Diam.	To Depth Boring	To Depth Casing
175	2.90	2.90
131	8.30	

Driller	Originator
DB	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off
2.60			

Water Added From	To

Chiselling From	To	hh:mm

Flush Returns	Type	From (m)	To (m)
100	Air	1.20	2.90
100	Water	2.90	8.30

Fig No: B13
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH19

Engineer: Jacobs

Rotary Open Hole to 1.50m
Rotary Core Drilling to 5.90m

Location: E 230463.8
N 824263.7

Orientation: Vertical

Equipment: Track Mounted (Morooka) Fraste Multidrill PL G; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD) 323.52	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
5/12 2023											# Grey PSAMMITE				
05/12								1.50	322.02	1.50			1.50m		
			1.50	100	89	0	11				Very strong, locally strong grey micaceous PSAMMITE with ocassional quartz veins which are dipping subhorozontal to 70°, up to 30mm. Moderatly weathered evident as an orange brown staining on fracture surfaces and localised reduction of strength on fracture surfaces. Two fracture sets were identified; No.1: closely, locally very closely spaced, 10°-20°, planar and smooth, locally planar and rough. No.2: very closely spaced, 80°-90°, stepped and rough, locally planar and smooth		1.50m		
			2.25	100	95	20									
08/12								1.50	320.62	2.90			0.50m		
			2.90	100	92	80	7				Strong, locally very strong grey micaceous PSAMMITE with occasional micaceous bands up to 100mm containing garnet up to 2mm. Quartz vein at 3.00m dipping at 70° and 50mm wide. Locally slightly weathered evident as an orange brown staining on fracture surfaces. Two fracture sets were identified; No.1: closely, locally medium spaced, 10°-15°, planar and smooth. No.2: single 70°, stepped and smooth fracture				
			4.40	100	83	53									
11/12								1.50							
			4.70	100	88	80	NI 6								
12/12								1.50	317.62	5.90			0.50m		5.90
											END OF BOREHOLE				

Remarks:
Description based on Driller's log.
An inspection pit was not excavated due to shallow rock. Exemption No. 78/2023 due to encountering possible rock.
Below 1.50m no ground-water observations are recorded due to the use of water flush.

Hole Diam.	To Depth Boring	To Depth Casing
175	1.50	1.50
131	5.90	

Driller	Originator
CT	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
									100	Air	0.00	1.50
									100	Water	1.50	5.90

Fig No: B14
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH20

Engineer: Jacobs

Rotary Open Hole to 0.50m
Rotary Core Drilling to 5.50m

Location: E 230203.9
N 824220.1

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Boart Longyear Deltabase 525; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
30/11/2023									324.57		# Grey brown PSAMMITE				
									324.07	0.50					
			0.50	100	74	44					Weak, locally medium strong and strong grey micaceous PSAMMITE. Slightly weathered evident as an orange brown staining on fracture surfaces. Three fracture sets were identified; No.1: closely spaced, 30°-40°, planar and smooth, locally planar and rough. No.2: single 10°-20°, stepped and smooth fracture No.3: single 80°-90°, planar and smooth fracture				
			1.00	100	72	23									
29/11								0.50					0.50m		
			1.50	100	86	18	8						0.50m		
			2.90	100	93	17									
									320.77	3.80					
							>20		320.47	4.10	Strong pinkish orange GRANITE. Moderately weathered evident as an orange brown staining. Single 60°-70°, planar and smooth fracture				
			4.40	95	84	24	7				Very strong grey micaceous PSAMMITE. Three fracture sets were identified; No.1: closely spaced, 20°-30°, planar and smooth. No.2: closely spaced, 80°-70°, stepped and rough ....at 5.20m: 35mm thick quartz vein dipping at 45°				
30/11								1.50	319.07	5.50			0.50m		5.50
											END OF BOREHOLE				

Remarks:
Description based on Driller's log.
An inspection pit was not excavated due to shallow rock. Exemption No. 73/2023 due to encountering possible bedrock.
No ground-water observations are recorded due to the use of water flush.

Hole Diam.	To Depth Boring	To Depth Casing
175	0.50	0.50
131	5.50	

Driller	Originator
CT	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
									100	Air	0.00	0.50
									25	Water	0.50	1.00
									100	Water	1.00	5.50

Fig No: B15
Sheet 1 of 1
Scale 1:50

Style: BOREHOLE NEW File: P:\GINTW\PROJECTS\26560.GPJ+44 (0)1698 710999 Printed: 07/03/2024 19:09:32 Raeburn Drilling and Geotechnical trading as IGNE, Whistleberry Rd, Hamilton ML3 0HP Tel: 01698-711177 E-mail: enquiries.raeburndrilling@igne.com

Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		BH21
Engineer: Jacobs		Inspection Pit to 1.20m WLS to 2.20m Rotary Open Hole to 3.00m Rotary Core Drilling to 8.00m
Location: E 230356.8 N 824171.5	Orientation: Vertical	Equipment: Hand Tools, Track Mounted (Morooka) Boart Longyear Deltabase 525; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
21/11/2023						326.49		Dark brown amorphous plastic PEAT (H6/B3)				
	0.50	B, D, ES										0.50
	1.00	B, D, ES				325.29	1.20					
	1.20 1.20-2.20	D UL			0.00			Very dense grey very gravelly silty fine to coarse SAND. Gravel is fine to coarse angular and subangular of psammite				
	2.20	D	2.20	SPT=75 1.3 /13.11.16.35	0.00							
				TCR SCR RQD FI		323.49	3.00					
	3.00	D	3.00	100 57 12 NI	3.00			Strong, locally medium strong grey PSAMMITE. Moderately, locally highly weathered evident as an orange brown staining, sand infilling between fractures and localised reduction in strength on fracture surfaces. Two fracture sets were identified; No.1: closely, locally medium spaced, 40°-50°, planar and smooth. No.2: closely spaced, 70°-80°, planar and smooth				3.10
			4.40	100 75 40 4								
			5.40	100 80 0								
21/11			5.90	100 93 41 NI		320.59	5.90			1.00m		
						320.24	6.25	Weak and moderately weak, pinkish brown GRANITE. Moderately, locally highly weathered evident as a reduction in strength on fracture surfaces, orange brown staining on fracture surfaces, locally reduced to gravel. Fractures are closely spaced, 60°-70°, planar and smooth, locally stepped and rough		0.10m		
				13				Medium strong grey PSAMMITE. Moderately weathered evident as an orange brown staining on fracture surfaces and sand locally infilling fractures. Three fracture sets were identified; No.1: very closely, locally closely spaced 20°-30° planar and smooth, locally stepped and rough. No.2: medium spaced, 70°-80°, undulating and rough. No.3: closely spaced, 60°-70°, planar and smooth				
			7.40	83 50 0 NI								
22/11				>20	5.90	318.49	8.00			2.70m		8.00
								END OF BOREHOLE				

Remarks:
Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 1.20m to clear services.
Ground-water was encountered at a depth of 1.20m.
The Penetration Tests were carried out using Trip Hammer RD51.
A 50mm diameter perforated standpipe was installed to a depth of 8.00m.
SPT at 3.00m N>50 25(10)/50(15).

Hole Diam.	To Depth Boring	To Depth Casing
175	5.90	5.90
131	8.00	

Driller	Originator
CT	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off
1.20			2.00

Water Added From	To

Chiselling From	To	hh:mm

Flush Returns	Type	From (m)	To (m)
100	Air	1.20	3.00
100	Water	3.00	8.00

Fig No: B16
Sheet 1 of 1
Scale 1:50

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	BH22
	Engineer: Jacobs	Inspection Pit to 0.60m; WLS to 0.65m; Rotary Open Hole to 1.50m; Rotary Core Drilling to 11.50m
Location: E 230528.2 N 824105.7	Orientation: Vertical	Equipment: Hand Tools, Track Mounted (Morooka) Commachio Geo 205; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
						333.84						
20/11/2023	0.30	B, D, ES				333.54	0.30	Brown gravelly silty fine to coarse SAND with cobbles. Gravel is fine to coarse angular to subrounded of psammite. Cobbles are angular and subangular of psammite				
						333.24	0.60	# Yellow brown weathered PSAMMITE		0.50m		0.50
20/11	0.60	D	0.60	CPT>50 10.12 /12.15.18.5 (235)				# Grey highly fractured broken GRANITE		0.30m		
				TCR SCR RQD FI		332.34	1.50					
	1.50	D	1.50	37 0 0				Medium strong, locally weak pinkish grey GRANITE. Highly weathered evident as locally reduced to sand. Recovered as non-intact				2.00
			3.00	85 0 0 NI								2.50
						329.84	4.00					
			4.00	85 50 0				Weak pinkish grey GRANITE. Highly weathered evident a reduction in strength on fracture surfaces and reduced to sand and gravel near fractures. Two fracture sets were identified; No.1: closely, locally medium spaced, 40°-50°, planar and rough, locally stepped and rough. No.2: single 80°, planar and rough fracture				
			5.00	100 57 14 10								
21/11					1.50	328.14	5.70			1.00m		
			5.70	60 29 20 13				Very weak and weak brown PSAMMITE with rare subvertical quartz veining, up to 10mm. Moderatly, locally highly weathered evident as an orange brown staining on fracture surfaces, sand infilling fracture surfaces and reduction in strength on fracture surfaces. Fractures are closely spaced, 30°-40°, planar and smooth, locally planar and rough		1.00m		
				NI				....below 6.50m: recovered as non-intact				
						326.64	7.20					
			7.20	100 57 17 NI				Weak and moderately weak brown PSAMMITE with a single granite intrusion up to 40mm. Moderatly, locally highly weathered evident as an orange brown staining on fracture surfaces and reduction of strength on fracture surfaces, locally to sand and gravel. Three fracture sets were identified; No.1: closely spaced, 10°-20°, planar and smooth. No.2: closely spaced, 40°-50°, planar and smooth. No.3: single 80°, planar and smooth fracture				
			8.70	100 57 25 11				....at 9.20m: 50mm granite intrusion				
				NI		323.84	10.00					

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.60m to clear services. Exemption No. 69/2023 due to encountering possible rock.
Ground-water was encountered at a depth of 0.50m.
Below 1.50m no ground-water observations are recorded due to use of water flush.
The Penetration Tests were carried out using Trip Hammer RD125.
A 50mm diameter perforated standpipe was installed to a depth of 11.50m.
SPT at 1.50m N>50 25(65)/40.10(95).

Hole Diam.	To Depth Boring	To Depth Casing
175	1.50	1.50
131	11.50	

Driller	Originator	Chk & App	Status
PS	JM	FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
0.50									100	Air	0.60	1.50
									100	Water	1.50	11.50

Fig No: B17
Sheet 1 of 2
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH22

Engineer: Jacobs

Inspection Pit to 0.60m
WLS to 0.65m
Rotary Open Hole to 1.50m
Rotary Core Drilling to 11.50m

Location: E 230528.2
N 824105.7

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka)
Commachio Geo 205; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD) 333.84	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
			10.00	100 89 0 11				Weak and moderately weak brown PSAMMITE. Moderatly weatherted evident as a localised orange brown staining on fracture surfaces and a reduction of strength on fracture surfaces. Two fracture sets were identified; No.1: closely spaced, 80°-90°, planar and smooth. No.2: closely spaced, 20°-30°, planar and smooth				
22/11					5.70	322.34	11.50	END OF BOREHOLE		5.00m		11.50

Remarks:
Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.60m to clear services. Exemption No. 69/2023 due to encountering possible rock.
Ground-water was encountered at a depth of 0.50m.
Below 1.50m no ground-water observations are recorded due to use of water flush.
The Penetration Tests were carried out using Trip Hammer RD125.
A 50mm diameter perforated standpipe was installed to a depth of 11.50m.
SPT at 1.50m N>50 25(65)/40.10(95).

Hole Diam.	To Depth Boring	To Depth Casing
175	1.50	1.50
131	11.50	

Driller	Originator
PS	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
									100	Air	0.60	1.50
									100	Water	1.50	11.50

Fig No: B17
Sheet 2 of 2
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH23

Engineer: Jacobs

Inspection Pit to 0.60m
Rotary Open Hole to 1.50m
Rotary Core Drilling to 4.50m

Location: E 230157.4 N 824098.9

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Boart Longyear Deltabase 525; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
						316.00						
23/11/2023	0.30	D, ES						Brown slightly silty fine to coarse SAND and fine to coarse angular to subrounded GRAVEL of psammite				0.50
	0.50	B, D, ES				315.40	0.60					
	0.60	D	0.60	SPT>50 25 (35)/50 (20)	0.00			# Grey brown PSAMMITE with fractures				
				TCR SCR RQD FI		314.50	1.50					
			1.50	97 80 21 11				Medium strong thinly foliated grey PSAMMITE. Moderately, locally highly weathered evident as an orange brown staining on fracture surfaces and local reduction in strength to sand and gravel on fracture surfaces. Two fracture sets were identified; No.1: medium spaced, 10°-20°, planar and smooth. No.2: medium spaced, 60°-70°, planar and smooth				2.50
23/11				NI	3.00	313.00	3.00			0.40m		3.00
			3.00	100 57 0 16				Medium strong thinly foliated grey PSAMMITE with frequent micaceous bands. Moderately, locally highly weathered evident as an orange brown staining on fracture surfaces, a reduction of strength on fracture surfaces, locally with sand infilling. Stratum is highly fractured throughout. Where visible, two fracture sets were identified; No.1: very closely spaced, 80°-90°, planar and smooth, locally planar and rough. No.2: closely spaced, 60°-70°, planar and smooth		0.30m		
			3.47	100 76 0								
			3.85	100 0 0 NI								
			4.12	100 0 0								
27/11					3.00	311.50	4.50			0.40m		
			4.50	100 77 37 16				Medium strong thinly foliated grey PSAMMITE with frequent micaceous bands. Moderately weathered evident as an orange brown staining on fracture surfaces. Two fracture sets were identified; No.1: closely spaced, 50°-60°, planar and smooth. No.2: widely spaced, 80°-90°, planar and smooth		0.40m		
			5.40	100 40 0 NI								
				20		310.20	5.80					
			5.80	100 74 0 15				Medium strong grey PSAMMITE with a subhorizontal quartz vein 30mm wide at 5.90m and occasional granite intrusions up to 40mm. Moderately, locally highly weathered evident as penetrative orange brown staining throughout and localised reduction of strength on fracture surfaces. Fractures are closely spaced, 40°-50°, planar and smooth				
28/11			6.30	100 65 0	3.00	309.50	6.50			0.00m		6.50
								END OF BOREHOLE				

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.60m to clear services. Exemption No. 70/2023 due to encountering possible rock.
Ground-water was encountered at a depth of 0.50m.
Below 1.50m no ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD51.
A 50mm diameter perforated standpipe was installed to a depth of 6.50m.

Hole Diam.	To Depth Boring	To Depth Casing
175	1.50	3.00
131	6.50	

Driller	Originator
CT	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off
0.50			0.70

Water Added From	To

Chiselling From	To	hh:mm

Flush Returns	Type	From (m)	To (m)
100	Air	0.60	1.50
100	Water	1.50	6.50

Fig No: B18

Sheet 1 of 1

Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH24

Engineer: Jacobs

Inspection Pit to 0.70m
Rotary Open Hole to 3.00m
Rotary Core Drilling to 8.40m

Location: E 230301.7 N 824043.0

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Boart Longyear Deltabase 525; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
									321.96						
15/11/2023									321.66	0.30	# Dark brown PEAT				
15/11									321.26	0.70	# Yellowish brown slightly silty SAND with gravel		0.65m		
									319.46	2.50	# Yellowish brown slightly silty SAND with gravel and weathered rock fragments		0.60m		
									318.96	3.00	# Yellowish brown PSAMMITE				
			3.00	100	73	9	NI				Weak, locally very weak thinly laminated yellowish brown PSAMMITE. Distinctly weathered evident as an orange brown staining on fracture surfaces and locally reduced to sand and gravel on fracture surfaces. Stratum is highly fractured throughout. Where visible, fractures are closely spaced, 40°-50°, planar and smooth				
							20								
							NI		317.86	4.10					
			4.10	100	92	15					Weak and very weak, locally moderately strong very thinly laminated yellowish brown PSAMMITE with healed incipient fractures. Moderately, locally highly weathered evident as an orange brown staining throughout and locally reduced to sand on fracture surfaces. Three fracture sets were identified; No.1: closely spaced, 10°-20°, planar and smooth. No. 2: closely spaced, 20°-30°, planar and smooth. No.3 medium spaced, 60°-70°, planar and rough				
			5.40	100	85	27	11								
16/11							NI	3.00					1.00m		
			6.90	100	97	9	14						0.30m		
							NI								
							4		313.86	8.10					
17/11							10	8.40	313.56	8.40	Medium strong orange brown GRANITE. Moderately weathered evident as an orange brown staining on fracture surfaces. Fractures are closely spaced, 50°-60°, planar and rough		0.45m		8.40
											END OF BOREHOLE				

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.70m to clear services. Exemption number 68/2023 due to hard digging.
Ground-water was encountered at a depth of 0.65m.
Below 3.00m no ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD51.

Hole Diam.	To Depth Boring	To Depth Casing
175	3.00	3.00
131	8.40	

Driller	Originator
CT	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off
0.65			

Water Added From	To

Chiselling From	To	hh:mm

Flush Returns	Type	From (m)	To (m)
100	Air	0.70	3.00
100	Water	3.00	8.40

Fig No: B19

Sheet 1 of 1

Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH24A

Engineer: Jacobs

Inspection Pit to 1.20m
WLS to 2.70m

Location: E 230301.7
N 824044.2

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Boart Longyear Deltabase 525

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
20/11/2023						321.87		Brown very gravelly sandy plastic amorphous PEAT (H8/B4). Sand is fine to coarse. Gravel is fine to coarse angular to subrounded of psammite and pelite				
						321.37	0.50					
	0.50	B, D, ES						Brown very gravelly very silty fine to coarse SAND. Gravel is fine to coarse angular to subrounded of psammite and pelite				
	1.00	B, D, ES										
	1.20-2.20	UL(102)										
	2.20	D	2.20	SPT=33 7.6 /6.8.9.10	2.20			....below 2.20m: dense				
20/11						319.17	2.70			Dry		2.70
	2.70	D						END OF BOREHOLE				

Remarks:
Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 1.20m to clear services.
Ground-water was encountered at a depth of 0.50m.
The Penetration Tests were carried out using Trip Hammer RD51.
SPT at 2.70m N>50 18.7 (80)/50 (25).

Hole Diam.	To Depth Boring	To Depth Casing
175	2.70	2.70

Driller	Originator
CT	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off
0.50	0.50	20.00	2.50

Water Added From	To

Chiselling From	To	hh:mm

Flush Returns	Type	From (m)	To (m)

Fig No: B20
Sheet 1 of 1
Scale 1:50

Style: BOREHOLE NEW File: P:\GINTW\PROJECTS\26560.GPJ+44 (0)1698 710999 Printed: 07/03/2024 19:09:41 Raeburn Drilling and Geotechnical trading as IGNE, Whistleberry Rd, Hamilton ML3 0HP Tel: 01698-711177 E-mail: enquiries.raeburndrilling@igne.com

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH25

Engineer: Jacobs

Inspection Pit to	1.20m
WLS to	2.80m
Rotary Open Hole to	4.40m
Rotary Core Drilling to	5.90m
Rotary Open Hole to	7.60m
Rotary Core Drilling to	13.10m

Location: E 230475.1 N 823981.9

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Fraste Multidrill PL G; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
20/11/2023	0.10	B, D				332.05		Dark brown plastic amorphous PEAT with rootlets and wood fragments (H7/B3)				
	0.30	ES										
	0.50	B, D, ES				331.55	0.50					0.50
								Light brown gravelly slightly silty fine to coarse SAND with cobbles. Gravel is fine to coarse angular to subrounded of psammite and granite. Cobbles are angular and subangular of psammite				
												1.00
20/11	1.20	D	1.20	SPT=43 4.7 /8.10.12.13	1.20	330.85	1.20			Dry		
	1.20-2.20	UL						Dense brown slightly gravelly slightly silty fine to coarse SAND. Gravel is fine to coarse subangular and subrounded of pelite and granite		0.50m		1.50
	2.20	D	2.20	SPT=25 2.2 /1.6.10.8	2.20	329.85	2.20					
	2.20-2.80	UL						Medium dense brown very gravelly slightly silty fine to coarse SAND. Gravel is fine to coarse subangular and subrounded of pelite and granite				
	2.80	B				329.25	2.80					
	2.90	D	2.90	SPT>50 10.14 /18.32 (110)	2.90			Light brown GRANITE recovered as gravelly fine to coarse sand				
	3.10	B, D	3.10	SPT>50 17.8 (105)/25.50 (70)	3.10							
				TCR SCR RQD FI		327.65	4.40					
	4.40	D	4.40	27 0 0 NI				Weak, locally medium strong pinkish grey PSAMMITE. Distinctly weathered evident as a reduction in strength. Recovered as non-intact				
						326.15	5.90					
	6.00	B						Light brown PSAMMITE recovered as gravelly fine to coarse sand				6.60
						324.45	7.60					7.10
	7.60	D	7.60	73 40 0 16				Weak brown PSAMMITE. Highly weathered evident as a localised reduction of strength on fracture surfaces, sand infilling between fracture surfaces and locally recovered as gravel. Three fracture sets were identified; No.1: closley spaced, 20°-30°, planar and smooth. No.2: medium spaced, 60°-70°, planar and smooth, locally planar and rough. No.3 single 80°-90°, planar and smooth facture				
				NI								
21/11			9.10	100 50 0 18	7.60					1.50m 1.30m		

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 1.20m to clear services.
Groundwater was encountered at a depth of 0.30m.
Below 4.40m no ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD51.
A 50mm diameter perforated standpipe was installed to a depth of 6.60m.
SPT 4.40m N>50 25(10)/50(5). SPT 7.60m N>50 25(15)/50(5).

Hole Diam.	To Depth Boring	To Depth Casing
175	4.40	4.40
131	13.10	

Driller	Originator
DB	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off
0.30			0.50

Water Added From	To

Chiselling From	To	hh:mm

Flush Returns	Type	From (m)	To (m)
100	Air	1.20	4.40
100	Water	4.40	13.10

Fig No: B21

Sheet 1 of 2

Scale 1:50

igne, Raeburn Drilling and Geotechnical trading as IGNE, Whistleberry Rd, Hamilton ML3 0HP Tel: 01698-711177 E-mail: enquiries.raeburndrilling@igne.com

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igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	BH25
	Engineer: Jacobs	Inspection Pit to 1.20m; WLS to 2.80m; Rotary Open Hole to 4.40m; Rotary Core Drilling to 5.90m; Rotary Open Hole to 7.60m; Rotary Core Drilling to 13.10m
Location: E 230475.1 N 823981.9	Orientation: Vertical	Equipment: Hand Tools, Track Mounted (Morooka) Fraste Multidrill PL G; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
			9.10	NI >20		332.05						
						321.55	10.50	....see previous sheet				
			10.50	100 84 17 12				Very weak and weak, locally medium strong thinly foliated brown PSAMMITE. Moderatly weathered evident as an orange brown staining and locally reduced to gravel on fracture surfaces. Two fracture sets were identified; No.1: closely spaced, 20°-30°, planar and smooth, locally planar and rough. No.2: closely spaced, 60°-70°, planar and rough ....at 11.20m: 120mm thick granite intrusion				
						320.00	12.05					
			12.05	100 77 0 >20				Very weak and weak, locally medium strong thinly foliated brown PSAMMITE. Moderately, locally highly weathered evident as an orange brown staining on fracture surfaces, sand locally infilling fracture surfaces and localised reduction in strength on fracture surfaces. Two fracture sets were identified; No.1 medium spaced, 50°-60°, stepped and smooth. No.2: closely spaced, 30°-40°, planar and smooth				
22/11					7.60	318.95	13.10			1.80m		13.10
								END OF BOREHOLE				

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 1.20m to clear services.
Groundwater was encountered at a depth of 0.30m.
Below 4.40m no ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD51.
A 50mm diameter perforated standpipe was installed to a depth of 6.60m.
SPT 4.40m N>50 25(10)/50(5). SPT 7.60m N>50 25(15)/50(5).

Hole Diam.	To Depth Boring	To Depth Casing
175	4.40	4.40
131	13.10	

Driller	Originator
DB	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
									100	Air	1.20	4.40
									100	Water	4.40	13.10

Fig No: B21
Sheet 2 of 2
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH26

Engineer: Jacobs

Inspection Pit to 0.60m
Rotary Open Hole to 3.00m
Rotary Core Drilling to 8.60m

Location: E 230151.4
N 823958.3

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka)
Commachio Geo 205; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result TCR	SCR	RQD	FI	Casing Depth	Level (mOD) 315.06	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
15/11/2023									314.76	0.30	# PEAT with moss				
											# Yellowish brown silty SAND and GRAVEL				0.50
															1.00
															1.50
									312.56	2.50					
											# Yellow grey PELITE				
15/11				TCR	SCR	RQD	FI	3.00	312.06	3.00			Dry		3.00
			3.00	100	67	11	NI				Moderately weak and medium strong brownish grey PELITE with rare quartz veining dipping at 10°-20°, up to 40mm and pyrite bands up to 300m. Moderatly weathered, locally highly weathered evident as a reduction of strength on fracture surfaces and pyrite up to 2mm present with orange brown staining on fracture surfaces. Two fracture sets were identified; No.1: closely spaced, 20°-30°, planar and rough. No.2: single 70°-80°, stepped and smooth fracture				
							11								
			4.50	100	60	0	NI								
							9								
									309.06	6.00					
			6.00	100	55	26	7				Strong dark grey PELITE with occasional garnets up to 4mm. Moderatly weathered evident as an orange brown staining on fracture surface. Two fracture sets were identified; No.1: closely spaced, 20°-30°, planar and rough. No.2: single subhoriztonal, planar, stepped and rough fracture				
16/11							NI	3.00	307.96	7.10			2.00m		
			7.10	100	63	49	6				Weak dark grey PELITE with intrusions of granite up to 130mm present. Moderately weathered evident as an orange brown staining on fracture surfaces and fractures locally infilled with gravel. Fractures are 20°-30°, planar and smooth, locally undulating and rough		0.00m		
17/11								3.00	306.46	8.60			0.00m		8.60
											END OF BOREHOLE				

Remarks:
Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.60m to clear services. Exemption No. 67/2023 due to hard digging.
No ground-water observations are recorded due to the use of water flush.
A 50mm diameter perforated standpipe was installed to a depth of 3.00m.

Hole Diam.	To Depth Boring	To Depth Casing
175	3.00	3.00
131	8.60	

Driller	Originator
PS	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
									100	Air	0.60	3.00
									90	Water	3.00	8.60

Fig No: B22
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH26A

Engineer: Jacobs

Inspection Pit to 0.65m
WLS to 2.50m

Location: E 230151.1
N 823958.5

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka)
Commachio Geo 205

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
						315.03						
20/11/2023						314.73	0.30	Dark brown very gravelly plastic amorphous PEAT with cobbles (H8/B4). Gravel is fine to coarse angular to subrounded of pelite. Cobbles are angular and subangular of pelite				0.30
	0.30	B, D, ES				314.53	0.50	Brown slightly silty fine to coarse SAND and fine to coarse angular to subrounded GRAVEL of psammite with cobbles. Cobbles are subangular of psammite				
	0.50	B, D, ES										
	0.65-0.95	UL	0.65	CPT>50 10.15 (140)/12.17.16.5 (235)	0.00	314.08	0.95	Brown slightly clayey fine to coarse SAND and fine to coarse angular to subrounded GRAVEL of psammite				
						313.53	1.50	# BOULDERS with some silty sand				
	1.50	D	1.50	SPT>50 6.18 /25.25 (130)	1.50			# Yellow brown weathered PSAMMITE				
20/11						312.53	2.50	END OF BOREHOLE		Dry		2.50

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 0.65m to clear services. Exemption No. 67A/2023 due to hard digging.
Ground-water was encountered at a depth of 0.30m.
The Penetration Tests were carried out using Trip Hammer RD125.
CPT 2.50m N>50 25(35)/50 (20).

Hole Diam.	To Depth Boring	To Depth Casing
175	2.50	2.50

Driller	Originator	Chk & App	Status
	JM	FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off	Water Added From	To	Chiselling From	To	hh:mm	Flush Returns	Type	From (m)	To (m)
0.30									100	Air	0.65	2.50

Fig No: B23
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH27

Engineer: Jacobs

Inspection Pit to 1.20m
WLS to 1.95m
Rotary Open Hole to 2.60m
Rotary Core Drilling to 9.90m

Location: E 230577.6 N 824224.8

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Commachio Geo 205; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
						331.69						
28/11/2023						331.49	0.20	# PEAT				
	0.30	D						Dark brown gravelly slightly silty fine to coarse SAND with cobbles. Gravel is fine to coarse angular to subrounded of psammite. Cobbles are angular of psammite				0.50
	0.50	B, D										
	1.00	B, D				330.49	1.20					
	1.20	B, D	1.20	SPT>50 25 (50)/50 (30)	1.20			Grey very sandy silty fine to coarse angular to subrounded GRAVEL of psammite with cobbles. Sand is fine to coarse. Cobbles are angular of psammite				
	2.00	B				329.69	2.00	# PSAMMITE with quartz bands				
				TCR SCR RQD FI		329.09	2.60					
			2.60	100 43 0 NI				Strong, locally medium strong grey PSAMMITE with frequent healed incipient fractures. Moderately weathered evident as an orange brown staining on fracture surfaces and reduction of strength on fracture surfaces. Two fracture sets were identified; No.1: closely spaced, 20°-30°, planar and smooth, locally planar and rough. No.2: single 80°-90°, planar and smooth fracture				3.10
				>20		327.89	3.80					3.60
27/11				10	2.60			Medium strong pinkish brown GRANITE. Moderately weathered evident as an orange brown staining on fracture surfaces and reduction of strength on fracture surfaces. Fractures are closely spaced, 20°-30°, planar and smooth		2.15m		
			4.10	100 81 15		327.29	4.40			0.35m		
				12		326.14	5.55	Medium strong grey PSAMMITE. Moderately weathered evident as an orange brown staining on fracture surfaces and reduction of strength on fracture surfaces. Two fracture sets were identified; No.1: closely spaced, 30°-40°, planar and smooth. No.2: closely spaced, perpindicular to set one, planar and smooth				
			5.55	100 34 0 NI				Medium strong grey PSAMMITE with occasional granite intrusions up to 100mm. Two fracture sets were identified; No.1: closely, locally medium spaced, 30°-40°, planar and smooth, locally planar and rough. No.2: single 60°-70°, undulating and rough fracture				
				16		324.59	7.10					
			7.10	100 78 32				Strong, locally medium strong grey PSAMMITE with occasional granite intrusions up to 20mm. Moderately, locally highly weathered evident as a reduction of strength on fracture surfaces and locally reduced to gravel on fracture surfaces. Two fracture were identified; No.1: closely, locally medium spaced, 30°-40°, planar and smooth. No.2: single 60°-70°, stepped and smooth fracture				
28/11			8.40	100 60 20 >20	2.60					0.05m		
										0.10m		
29/11					2.60	321.79	9.90			0.10m		9.90

END OF BOREHOLE

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 1.20m to clear services.
Ground-water was encountered at a depth of 1.95m.
Below 2.60m no ground-water observations are recorded due to the use of water flush.
The Penetration Tests were carried out using Trip Hammer RD125.
A 50mm diameter perforated standpipe was installed to a depth of 9.90m.

Hole Diam.	To Depth Boring	To Depth Casing
175	2.60	2.60
131	9.90	

Driller	Originator
GR	JM
Chk & App	Status
FMR	**Final**

Ground-water

Struck	Rose To	Time(min)	Cut Off
1.95			

Water Added

From	To

Chiselling

From	To	hh:mm

Flush

Returns	Type	From (m)	To (m)
100	Air	1.20	2.60
100	Water	2.60	9.90

Fig No: B24

Sheet 1 of 1

Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

BH28

Engineer: Jacobs

Inspection Pit to	1.20m
WLS to	4.50m
Rotary Open Hole to	5.00m
Rotary Core Drilling to	9.95m

Location: E 230609.8 N 824312.1

Orientation: Vertical

Equipment: Hand Tools, Track Mounted (Morooka) Boart Longyear Deltabase 525; T6-131 Core Barrel; Water Flush

Progress	Samples Depth	Samples Type	Tests Depth	Tests Result	Casing Depth	Level (mOD)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
						328.38						
14/12/2023						328.08	0.30	Brown spongey pseudo-fibrous PEAT with rootlets (H6/B2)				
	0.30	B, ES						Brown plastic amorphous PEAT (H8/B3)				
	0.50	B, ES										
	1.00	B, ES										
	1.20-2.20	UL										
	2.20-3.50	D	2.20	SPT=1 0.0 /0.0.0.1	2.20							
	2.65	B										
	3.00-3.50	UL										
						324.88	3.50					
	3.50	D	3.50	SPT=54 6.8 /9.10.13.22	3.50			Very dense grey very sandy slightly silty fine and medium angular and subangular GRAVEL of psammite and granite. Sand is fine to coarse				
	3.95	B										
	4.50	D	4.50	SPT>50 25 (60)/50 (20)	4.50							
				TCR SCR RQD FI		323.38	5.00					
			5.00	100 64 43 NI				Weak, locally medium strong pinkish brown GRANITE. Moderatly weathered evident as a reduction of strength on fracture surfaces and greenish brown staining at base. Stratum is highly fractured throughout. Where visible, two fracture sets were identified; No.1: closely spaced, 10°-20°, planar and rough, locally planar and smooth. No.2: single 70°, planar and rough fracture				
						322.38	6.00					
			6.00	100 95 62 6				Weak, locally moderately weak and medium strong grey micaceous PSAMMITE with a single subvertical granite intrusion and a single quartz vein dipping at 70°, up to 5mm wide. Moderately weathered evident as sand and gravel locally infilling fracture surfaces, localised reduction of strength on fracture surfaces and orange brown staining throughout. Two fracture sets were identified; No.1: closely, locally medium spaced, 10°-20°, planar and rough. No.2: medium spaced, 70°-80°, planar and rough, locally planar and smooth				
13/12					4.90	320.93	7.45			1.00m		
			7.45	100 65 0				Strong grey micaceous PSAMMITE with occasional granite intrusions up to 80mm. Locally moderately weathered evident as local sand infilling between fractures and a localised reduction of strength on fracture surfaces. Three fracture sets were identified; No.1: closely, locally medium spaced, 30°-40°, planar and rough, locally planar and smooth. No.2: single 80°, planar and smooth fracture. No.3: single 80°-90°, stepped and rough fracture		1.20m		
			7.85	100 96 66 6								
14/12					4.90					1.00m		
			9.00	100 89 64						1.00m		
								....at 9.70m: 50mm thick micaceous band containing garnets up to 2mm				
15/12					5.00	318.43	9.95			0.80m		9.95
								END OF BOREHOLE				

Remarks:

Description based on Driller's log.
An inspection pit was excavated by hand to a depth of 1.20m to clear services.
Ground-water was encountered at a depth of 3.20m, rising to ground-level after 20mins.
Below 5.00m no ground-water observations are recorded due to water flush.
The Penetration Tests were carried out using Trip Hammer RD51.

Hole Diam.	To Depth Boring	To Depth Casing
175	4.90	5.00
131	9.95	

Driller	Originator
WW	JM
Chk & App	Status
FMR	**Final**

Ground-water Struck	Rose To	Time(min)	Cut Off
3.20	0.00	15.00	

Water Added From	To

Chiselling From	To	hh:mm

Flush Returns	Type	From (m)	To (m)
100	Air	1.20	4.90
100	Water	4.90	9.95

Fig No: B25

Sheet 1 of 1

Scale 1:50

Style: BOREHOLE NEW File: P:\GINTW\PROJECTS\26560.GPJ+44 (0)1698 710999 Printed: 07/03/2024 19:09:50 Raeburn Drilling and Geotechnical trading as IGNE, Whistleberry Rd, Hamilton ML3 0HP Tel: 01698-711177 E-mail: enquiries.raeburndrilling@igne.com

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP01

Engineer: Jacobs

Trial Pit to 1.20m

Location: E 230909.8
N 824597.0

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 1.50m Length - 2.00m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 328.24	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
29/11/2023	0.00	B, D, ES		327.94	0.30	Dark brown spongey fibrous, locally spongey psuedo-fibrous PEAT (H2/B1)				
	0.50	B, B, D, ES		327.34	0.90	Dark brown to brown sandy spongey psuedofibrous, locally plastic amorphous PEAT (H4/B2). Sand is fine to coarse				
29/11	1.00	B, B, D, ES		327.04	1.20	Grey silty fine to coarse SAND and fine to coarse angular to subrounded GRAVEL of psammite and granite with low cobble content. Cobbles are angular and subangular of psammite				
						...OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 1.00m.
Trial pit was terminated at a depth of 1.20m due to hard digging (possible bedrock).
In-situ thermal resitivity test carried out at a depth of 1.10m.

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	1.00			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B26

Sheet 1 of 1

Scale 1:50

Style: TRIALPIT File: P:\GINTW\PROJECTS\26560.GPJ+44 (0)1698 710999 Printed: 03/04/2024 09:27:09 Raeburn Drilling and Geotechnical trading as IGNE, Whistleberry Rd, Hamilton ML3 0HP Tel: 01698-711177 E-mail: enquiries.raeburndrilling@igne.com

Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		Trial Pit No. TP02
Engineer: Jacobs		Trial Pit to 0.80m
Location: E 230760.3 N 824540.0	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 1.50m Length - 1.80m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 327.80	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
29/11/2023	0.00	B, D, ES				Dark brown plastic amorphous, locally spongey psuedo-fibrous PEAT (H5/B1)				
	0.30	B, B		327.50	0.30					
	0.50	B, D, ES				Brownish grey slightly silty fine to coarse SAND and fine to coarse angular and subangular GRAVEL of psammite with medium cobble content. Cobbles are angular and subangular of psammite				
29/11	0.80	D		327.00	0.80	....OBSTRUCTION (possible rock)		Dry		
						END OF TRIAL PIT				

Remarks:
Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.80m due to hard digging (possible bedrock).

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App	Status				
FMR	**FINAL**				

Fig No: B27
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		Trial Pit No. TP03
Engineer: Jacobs		Trial Pit to 0.80m
Location: E 230602.9 N 824468.1	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 1.50m Length - 2.50m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 327.16	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
4/12/2023	0.00	B, D, ES				Dark brown plastic amorphous, locally spongey fibrous PEAT with roots (H5/B1)				
	0.40	B		326.76	0.40					
	0.50	D, ES				Brownish yellow gravelly slightly silty fine to coarse SAND with low cobble content. Gravel is fine to coarse angular and subangular of psammite. Cobbles are angular of psammite				
4/12	0.80	D		326.36	0.80	...OBSTRUCTION (possible rock) END OF TRIAL PIT		Dry		

Remarks:
Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.80m due to hard digging (possible bedrock).

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App FMR	Status **FINAL**				

Fig No: B28
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP04

Engineer: Jacobs

Trial Pit to 0.50m

Location: E 230822.3 N 824463.6

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 1.50m Length - 2.00m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 334.79	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
28/11/2023	0.00	B, B, D, ES				Dark brown slightly sandy spongey fibrous, locally plastic amorphous PEAT with roots (H3/B1). Sand is fine to coarse				
	0.30	B		334.49	0.30					
28/11	0.50	D		334.29	0.50	Brown slightly silty fine to coarse SAND and fine to coarse angular and subangular GRAVEL of psammite with high cobble content. Cobbles are angular of psammite		Dry		
						...OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.50m due to hard digging (possible bedrock).

Driller	Originator	Ground-water				Fig No:
	FP	Struck	Rose To	Time(mins)	Cut Off	B29
Chk & App	Status					Sheet 1 of 1
FMR	**FINAL**					Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Trial Pit No. TP05

Trial Pit to 0.90m

Client: SSEN Transmission

Engineer: Jacobs

Location: E 230957.5
N 824534.9

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 1.50m Length - 2.20m

Progress	Sample Depth	Samples and Tests Type	Samples and Tests Result	Level (m) 334.48	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
28/11/2023	0.00	B, D, ES		334.18	0.30	Dark brown plastic amorphous, locally spongey fibrous PEAT (H5/B2)				
	0.50	B, B, D, ES				Brownish yellow silty fine to coarse SAND and fine to coarse angular to subrounded GRAVEL of psammite and granite with low cobble content. Cobbles are angular to subrounded of psammite and granite				
	0.70	B								
28/11	0.80	D		333.58	0.90	....OBSTRCUTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.70m.
Trial pit was terminated at a depth of 0.90m due to hard digging (possible bedrock).

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	0.70			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B30

Sheet 1 of 1

Scale 1:50

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP06
	Engineer: Jacobs	Trial Pit to 0.70m
Location: E 230650.7 N 824398.5	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 2.40m Length - 2.80m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 328.35	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
24/11/2023	0.00	B, B, D, ES				Dark brown spongey psuedo-fibrous, locally spongey fibrous PEAT with roots and wood (H3/B2)				
	0.40	B		327.95	0.40					
	0.50	D, ES				Brownish yellow very sandy slightly silty fine to coarse angular and subangular GRAVEL of psammite and granite with low cobble content. Sand is fine to coarse. Cobbles are angular of psamite and granite				
24/11				327.65	0.70	....OBSTRUCTION (possible rock) END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.30m.
Trial pit was terminated at a depth of 0.70m due to hard digging (possible bedrock).

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	0.30			
Chk & App FMR	Status **FINAL**				

Fig No: B31
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Trial Pit No. TP07

Trial Pit to 0.60m

Client: SSEN Transmission

Engineer: Jacobs

Location: E 230996.3 N 824655.2

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 1.50m Length - 2.10m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 322.32	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
29/11/2023	0.00	B, D, ES				Dark brown plastic amorphous, locally spongey fibrous PEAT (H5/B2)				
	0.30	B, B, B		322.02	0.30					
	0.50	D, ES				Grey sandy slightly silty fine to coarse angular and subangular GRAVEL of psammite and granite with medium cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite				
29/11	0.60	D		321.72	0.60			Dry		
						....OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.60m due to hard digging (possible bedrock).

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App	Status				
FMR	**FINAL**				

Fig No: B32

Sheet 1 of 1

Scale 1:50

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igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP08
	Engineer: Jacobs	Trial Pit to 0.50m
Location: E 230516.7 N 824438.7	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 1.80m Length - 2.50m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 317.13	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
4/12/2023	0.00	B, D, ES				Dark brown plastic amorphous, locally spongey fibrous PEAT with roots (H5/B2)				
	0.30	B, B		316.83	0.30					
4/12	0.40	D				Grey slightly silty fine to coarse SAND and fine to coarse angular and subangular GRAVEL of psammite and granite with medium cobble content. Cobbles are angular and subangular of psammite		Dry		
	0.50	ES		316.63	0.50	...OBSTRUCTION (possible rock) END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.50m due to hard digging (possible bedrock).
In-situ thermal resitivity test not carried out due to unsuitable material.
Soakaway test cancelled.

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App	Status				
FMR	**FINAL**				

Fig No: B33
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP09

Engineer: Jacobs

Trial Pit to 0.30m

Location: E 230929.1
N 824439.0

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 1.50m Length - 2.00m

Progress	Sample Depth	Samples and Tests Type	Samples and Tests Result	Level (m) 341.21	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
28/11/2023	0.00 0.20 0.30	B, B, D, ES D B		340.91	0.30	Dark brown to brown sandy plastic amorphous PEAT with roots (H6/B1). Sand is fine to coarse ....OBSTRUCTION (possible rock) END OF TRIAL PIT		Dry		

Remarks:
Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.30m due to hard digging (possible bedrock).

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP				
Chk & App	Status				
FMR	**FINAL**				

Fig No: B34
Sheet 1 of 1
Scale 1:50

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igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP10
	Engineer: Jacobs	Trial Pit to 1.90m
Location: E 230743.1 N 824359.1	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 1.50m Length - 2.80m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 333.41	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
24/11/2023	0.00	B, D, ES		333.11	0.30	Dark brown spongey psuedo-fibrous, locally plastic amorphous PEAT (H4/B2)		▼		
	0.50	B, D, ES		332.51	0.90	Dark brown spongey psuedo-fibrous, locally spongey fibrous PEAT (H3/B2)				
	1.00	B, D, ES				Dark grey very sandy silty fine to coarse angular to subrounded GRAVEL of granite and psammite with low cobble and boulder content. Sand is fine to coarse. Cobbles and boulders are angular of psammite (up to 800mm)				
	1.50	B								
24/11	1.90	D		331.51	1.90	....OBSTRUCTION (probable rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.30m.
Trial pit was terminated at a depth of 1.90m due to hard digging (possible bedrock).
In-situ thermal resitivity test carried out at a depth of 1.10m.

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off		Fig No:
	FP	0.30					B35
Chk & App FMR	Status **FINAL**						Sheet 1 of 1 Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP11

Engineer: Jacobs

Trial Pit to 1.50m

Location: E 230856.1
N 824725.7

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 1.50m Length - 2.50m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 318.83	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
4/12/2023	0.00	B, D, ES		318.53	0.30	Dark brown to brown spongey fibrous, locally spongey pseudo-fibrous PEAT (H2/B2)				
	0.50	B, D, ES				Brown spongey pseudo-fibrous, locally plastic amorphous PEAT (H5/B2)				
	1.00	B, B, D, ES								
4/12	1.50	D		317.33	1.50	END OF TRIAL PIT		▼		

Remarks:
Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit collapsed throughout excavation.
Ground-water was encountered at a depth of 1.50m.
Trial pit was terminated at a depth of 1.50m due to wall instability.

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	1.50			
Chk & App FMR	Status **FINAL**				

Fig No: B36
Sheet 1 of 1
Scale 1:50

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igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP12
	Engineer: Jacobs	Trial Pit to 0.80m
Location: E 230703.0 N 824668.6	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 1.50m Length - 2.50m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 324.71	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
29/11/2023	0.00	B, D, ES				Dark brown sandy spongey fibrous, locally plastic amorphous PEAT with rootlets (H3/B2). Sand is fine to coarse				
	0.30	B		324.41	0.30					
	0.50	B, B, D, ES				Brownish yellow slightly silty fine to coarse SAND and fine to coarse angular and subangular GRAVEL of psammite with low cobble content. Cobbles are angular and subangular of psammite				
29/11	0.70	D		323.91	0.80	....OBSTRUCTION (possible rock)		Dry		
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.80m due to hard digging (possible bedrock).
In-situ thermal resitivity test not carried out due to unsuitable material.

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App FMR	Status **FINAL**				

Fig No: B37
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP13

Engineer: Jacobs

Trial Pit to 0.40m

Location: E 230558.6
N 824593.3

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 1.50m Length - 2.10m

Progress	Sample Depth	Samples and Tests Type	Samples and Tests Result	Level (m) 318.63	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
29/11/2023	0.00	B, B, D, ES				Dark brown to brown slightly silty sandy spongey fibrous, locally plastic amorphous PEAT with rootlets (H3/B2). Sand is fine to coarse				
	0.30	D								
29/11	0.40	B, D		318.23	0.40	....OBSTRUCTION (possible rock) END OF TRIAL PIT		Dry		

Remarks:
Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.40m due to hard digging (possible bedrock).
In-situ thermal resitivity test not carried out due to unsuitable material.

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App	Status				
FMR	**FINAL**				

Fig No: B38
Sheet 1 of 1
Scale 1:50

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Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		Trial Pit No. TP14
Engineer: Jacobs		Trial Pit to 0.90m
Location: E 230433.8 N 824549.7	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 1.50m Length - 2.00m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 303.60	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
27/11/2023	0.00	B, D, ES		303.30	0.30	Dark brown plastic amorphous, locally spongey fibrous PEAT (H4/B1)				
	0.50	B, B, B, D, ES				Brownish orange slightly silty fine to coarse SAND and fine to coarse angular to subrouded GRAVEL of psammite and granite with medium cobble content. Cobbles are angular to subrounded of psammite and granite				
27/11				302.70	0.90	....OBSTRUCTION (possible rock)		Dry		
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.90m due to hard digging (possible bedrock).
In-situ thermal resitivity test not carried out due to unsuitable material.
Soakaway test cancelled.

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App	Status				
FMR	**FINAL**				

Fig No: B39
Sheet 1 of 1
Scale 1:50

Style: TRIALPIT File: P:\GINTW\PROJECTS\26560.GPJ+44 (0)1698 710999 Printed: 03/04/2024 09:27:18 Raeburn Drilling and Geotechnical trading as IGNE, Whistleberry Rd, Hamilton ML3 0HP Tel: 01698-711177 E-mail: enquiries.raeburndrilling@igne.com

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP15
	Engineer: Jacobs	Trial Pit to 1.80m
Location: E 230359.7 N 824555.7	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 1.50m Length - 2.00m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 303.66	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
27/11/2023	0.00	B, D, ES		303.36	0.30	Dark brown spongey fibrous PEAT (H2/B1)				
	0.50	B, D, ES				Dark brown to brown spongey psuedo-fibrous, locally plastic amorphous PEAT with traces of vegetation (H4/B2)				
	1.00	B, B, D, ES		302.26	1.40					
	1.50	B, D, ES		301.86	1.80	Dark grey slightly gravelly silty fine to coarse SAND. Gravel is fine to coarse angular and subangular of psammite				
						....OBSTRUCTION (possible rock) END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 1.20m.
Trial pit was terminated at a depth of 1.80m due to hard digging (possible bedrock).
In-situ thermal resitivity test carried out at a depth of 1.10m.

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off	Fig No:
	FP	1.20				B40
Chk & App FMR	Status **FINAL**					Sheet 1 of 1 Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP16

Engineer: Jacobs

Trial Pit to 0.80m

Location: E 230412.4
N 824347.0

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 1.50m Length - 2.40m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 316.93	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
27/11/2023	0.00	B, D, ES		316.63	0.30	Brown slightly gravelly sandy silty TOPSOIL with low cobble content. Sand is fine to coarse. Gravel is fine to coarse angular to subrounded of psammite and granite. Cobbles are angular and subangular of psammite				
	0.50	B, B, D, ES				Brownish grey slightly silty fine to coarse SAND and fine to coarse angular to subrounded GRAVEL of psammite and granite with medium cobble content. Cobbles are angular and subangular of psammite				
27/11	0.80	D		316.13	0.80	....OBSTRUCTION (possible rock) END OF TRIAL PIT		Dry		

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.80m due to hard digging (possible bedrock).

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App	Status				
FMR	**FINAL**				

Fig No: B41

Sheet 1 of 1

Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		Trial Pit No. TP17
Engineer: Jacobs		Trial Pit to 2.50m
Location: E 230297.3 N 824370.5	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 1.50m Length - 2.20m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 307.90	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
27/11/2023	0.00	B, D, ES		307.60	0.30	Dark brown to brown spongey fibrous, locally spongey psuedo-fibrous PEAT with roots (H2/B2)				
	0.50	B, D, ES				Brown locally dark brown organic spongey pseudo-fibrous, locally plastic amorphous PEAT with traces of roots and vegetation (H4/B3)				
	1.00	B, B, D, ES								
	1.50	B, D								
	2.00	B, D								
27/11	2.50	D		305.40	2.50	END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit collapsed throughout excavation.
Ground-water was encountered at a depth of 2.50m.
Trial pit was terminated at a depth of 2.50m due to ground-water ingress and wall stability.

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	2.50			
Chk & App FMR	Status **FINAL**				

Fig No: B42
Sheet 1 of 1
Scale 1:50

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igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP18
	Engineer: Jacobs	Trial Pit to 1.10m
Location: E 230388.6 N 824236.9	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 2.40m Length - 3.10m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 326.96	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
23/11/2023	0.00	B, D, ES				Dark brown to brown spongey fibrous, locally plastic amorphous PEAT (H3/B2)				
	0.50	B, B, D, ES								
	0.80	B		326.16	0.80					
23/11	1.00	D, ES		325.86	1.10	Grey slightly silty fine to coarse SAND and fine to coarse angular to subrounded GRAVEL of psammite with low cobble content. Cobbles are angular and subangular of psammite		Dry		
						....OBSTRUCTION (possible rock) END OF TRIAL PIT				

Remarks:
Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 1.10m due to hard digging (possible bedrock).

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App FMR	Status **FINAL**				

Fig No: B43
Sheet 1 of 1
Scale 1:50

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP19
	Engineer: Jacobs	Trial Pit to 0.80m
Location: E 230274.4 N 824248.2	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 2.40m Length - 3.00m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 323.35	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
23/11/2023	0.00	B, D, ES				Dark brown plastic amorphous, locally spongey psuedo-fibrous PEAT (H4/B2)				
	0.30	B								
	0.50	D, ES								
	0.60	B		322.75	0.60					
23/11	0.70	D		322.55	0.80	Brownish yellow slightly silty fine to coarse SAND and fine to coarse angular and subangular GRAVEL of psammite with medium cobble content. Cobbles are angular and subangular of subangular of psammite		Dry		
						...OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.80m due to hard digging (possible bedrock).
In-situ thermal resitivity test not carried out due to unsuitable material.

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App	Status				
FMR	**FINAL**				

Fig No: B44
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP20

Engineer: Jacobs

Trial Pit to 1.10m

Location: E 230356.2
N 824114.4

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 2.40m Length - 3.00m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 324.54	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
22/11/2023	0.00	B, D, ES				Dark brown plastic amorphous, locally spongey psuedo-fibrous PEAT (H5/B3)				
				324.14	0.40					
	0.50	B, B, D, ES				Dark grey very sandy silty fine to coarse angular and subangular GRAVEL of psammite and granite with low cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite		▼		
22/11	1.00	D, ES		323.44	1.10	....OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.50m.
Trial pit was terminated at a depth of 1.10m due to hard digging (possible bedrock).
In-situ thermal resitivity test not carried out due to unsuitable material.

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	0.50			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B45
Sheet 1 of 1
Scale 1:50

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igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP21
	Engineer: Jacobs	Trial Pit to 0.70m
Location: E 230230.6 N 824133.9	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 2.40m Length - 3.00m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 322.26	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
23/11/2023	0.00	B, D, ES		321.96	0.30	Dark brown plastic amorphous, locally spongey fibrous PEAT (H5/B2)				
	0.50	B, B, D, ES				Brownish yellow gravelly silty fine to coarse SAND. Gravel is fine to coarse angular to subrounded of psammite				
23/11	0.70	D		321.56	0.70	....OBSTRUCTION (possible rock) END OF TRIAL PIT				

Remarks:
Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.40m.
Trial pit was terminated at a depth of 0.70m due to hard digging (possible bedrock).

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	0.40			
Chk & App FMR	Status **FINAL**				

Fig No: B46
Sheet 1 of 1
Scale 1:50

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP22
	Engineer: Jacobs	Trial Pit to 2.10m
Location: E 230516.5 N 824305.9	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 1.50m Length - 2.80m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
				325.65						
24/11/2023	0.00	B, D, ES				Dark brown spongey psuedo-fibrous PEAT (H3/B1)				
				325.25	0.40					
	0.50	B, D, ES				Dark brown locally brown spongey psuedo-fibrous, locally spongey fibrous PEAT with traces of vegatation (H2/B3)				
	1.00	D, ES								
	1.50	B, D								
	2.00	B, D		323.65	2.00					
24/11				323.55	2.10	Grey gravelly slightly silty fine to coarse SAND with low cobble content. Gravel is fine to coarse angular and subangular of psammite. Cobbles are angular and subangular of psammite				
						....OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.30m.
Trial pit was terminated at a depth of 2.10m due to hard digging (possible bedrock).

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
		0.30			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B47
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP23

Engineer: Jacobs

Trial Pit to 0.70m

Location: E 230474.9 N 824179.0

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 2.40m Length - 2.80m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 327.63	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
22/11/2023	0.00	B, D, ES				Dark brown plastic amorphous, locally spongey fibrous PEAT (H5/B3)				
	0.30	B, B		327.33	0.30					
	0.50	D, ES				Grey sandy slightly silty fine to coarse angular to subangular GRAVEL of psammite with medium cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite				
22/11	0.70	D		326.93	0.70	...OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.40m.
Trial pit was terminated at a depth of 0.70m due to hard digging (possible bedrock).

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	0.40			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B48

Sheet 1 of 1

Scale 1:50

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Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP24

Engineer: Jacobs

Trial Pit to 0.65m

Location: E 230410.3 N 824069.5

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 2.40m Length - 2.80m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
				326.94						
22/11/2023	0.00	B, D, ES				Dark brown spongey psuedo-fibrous, locally spongey fibrous PEAT (H5/B3)				
	0.30	B, B		326.64	0.30					
	0.50	D, ES				Dark grey sandy slightly silty fine to coarse angular and subangular GRAVEL of psammite and granite with medium cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite				
22/11				326.29	0.65	....OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.20m.
Trial pit was terminated at a depth of 0.65m due to hard digging (possible bedrock).

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	0.20			
Chk & App FMR	Status **FINAL**				

Fig No: B49

Sheet 1 of 1

Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		Trial Pit No. TP25
Engineer: Jacobs		Trial Pit to 1.20m
Location: E 230324.5 N 823985.2	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 2.40m Length - 3.00m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 323.28	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
21/11/2023	0.00	B, D, ES		322.98	0.30	Dark brown plastic amorphous, locally spongey psuedo-fibrous PEAT (H5/B2)				
	0.50	B, B, D, ES				Grey silty fine to coarse SAND and fine to coarse angular and subangular GRAVEL of psammite with medium cobble content. Cobbles are angular and subangular of psammite				
21/11	1.00	B, D, ES		322.08	1.20	....OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:
Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.40m.
Trial pit was terminated at a depth of 1.20m due to hard digging (possible bedrock).

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
		0.40			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B50
Sheet 1 of 1
Scale 1:50

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP26
	Engineer: Jacobs	Trial Pit to 2.00m
Location: E 230187.4 N 824042.6	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 2.00m Length - 2.10m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 315.28	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
22/11/2023	0.00	B, D, ES		314.98	0.30	Dark brown spongey fibrous, locally spongey psuedo-fibrous PEAT (H2/B1)		▼		
	0.50	B, D, ES				Dark brown locally brown spongey psuedo-fibrous, locally plastic amorphous PEAT (H4/B2)				
	1.00	B, D, ES								
	1.50	B								
22/11	2.00	D		313.28	2.00	END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.20m.
Trial pit was terminated at a depth of 2.00m due to wall instability and water ingress.
In-situ thermal resitivity test carried out at a depth of 1.10m.
Soakaway test cancelled.

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off		Fig No:
	FP	0.20					B51
Chk & App FMR	Status **FINAL**						Sheet 1 of 1 Scale 1:50

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Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP27

Engineer: Jacobs

Trial Pit to 0.40m

Location: E 230308.1
N 824510.5

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 1.50m Length - 2.10m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 307.57	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
27/11/2023	0.00 0.20	B, D, ES B, B		307.37	0.20	Dark brown sandy locally spongey fibrous peaty TOPSOIL. Sand is fine to coarse				
27/11	0.30 0.40	D D		307.17	0.40	Brownish yellow slightly silty fine to coarse SAND and fine to coarse angular and subangular GRAVEL of psammite and granite with medium cobble content. Cobbles are angular and subangular of psammite and granite		Dry		
						...OBSTRUCTION (possible rock) END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 0.40m due to hard digging (possible bedrock).
In-situ thermal resitivity test not carried out due to unsuitable material.
Soakaway test cancelled.

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App	Status				
FMR	**FINAL**				

Fig No: B52

Sheet 1 of 1

Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		Trial Pit No. TP28
Engineer: Jacobs		Trial Pit to 3.00m
Location: E 230249.4 N 823931.3	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 2.40m Length - 3.20m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 321.89	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
21/11/2023	0.00	B, D, ES		321.59	0.30	Dark brown slightly sandy plastic amorphous PEAT (H7/B3). Sand is fine to coarse				
	0.50	B, D, ES		321.09	0.80	Brownish yellow slightly silty fine to coarse SAND and fine to coarse angular and subangular GRAVEL of psammite and pegmatite with low cobble content. Cobbles are angular and subangular of psammite				
	1.00	B, D, ES				Brownish yellow sandy slighty silty fine to coarse angular and subangular GRAVEL of psammite and pegmatite with medium cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite				
	1.50	B, B, D		320.39	1.50					
	2.00	B, D				Brownish yellow silty fine to coarse SAND and fine to coarse angular and subangular GRAVEL of psammite and pegmatite with medium cobble content. Cobbles are angular and subangular of psammite				
	2.50	B, D								
21/11				318.89	3.00	....OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 2.90m.
Trial pit was terminated at a depth of 3.00m due to hard digging (possible bedrock).
In-situ thermal resitivity test carried out at a depth of 1.10m.
Soakaway test undertaken in adjacent excavation.

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
		2.90			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B53
Sheet 1 of 1
Scale 1:50

Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		Trial Pit No. TP29
Engineer: Jacobs		Trial Pit to 2.00m
Location: E 230375.9 N 823898.4	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 2.40m Length - 3.40m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 328.37	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
21/11/2023	0.00	B, D, ES		328.07	0.30	Dark brown slightly sandy plastic amorphous, locally spongey psuedo-fibrous PEAT (H5/B2). Sand is fine to coarse				
	0.50	B, D, ES				Grey very sandy silty fine to coarse angular to subrounded GRAVEL of psammite with medium cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite				
	1.00	B, D, ES								
	1.50	B, B, D								
21/11	1.90	D		326.37	2.00	....OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 1.90m.
Trial pit was terminated at a depth of 2.00m due to hard digging (possible bedrock).

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	1.90			
Chk & App FMR	Status **FINAL**				

Fig No: B54
Sheet 1 of 1
Scale 1:50

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igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP30
	Engineer: Jacobs	Trial Pit to 1.10m
Location: E 230087.6 N 823913.0	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 2.40m Length - 3.10m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m)	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
				312.91						
21/11/2023	0.00	B, D, ES				Dark brown plastic amorphous, locally spongey psuedo-fibrous PEAT (H5/B2)		▼		
				312.51	0.40					
	0.50	B, D, ES				Light brown slightly sandy slightly silty fine to coarse angular and subangular GRAVEL of psammite with medium cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite				
	0.80	B, B								
	0.90	ES								
21/11	1.00	D		311.81	1.10	....OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.20m.
Trial pit was terminated at a depth of 1.10m due to hard digging (possible bedrock).
In-situ thermal resitivity test not carried out due to unsuitable material.
Soakaway test cancelled.

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	0.20			
Chk & App FMR	Status **FINAL**				

Fig No: B55
Sheet 1 of 1
Scale 1:50

Style: TRIALPIT File: P:\GINTW\PROJECTS\26560.GPJ+44 (0)1698 710999 Printed: 03/04/2024 09:27:29 Raeburn Drilling and Geotechnical trading as IGNE, Whistleberry Rd, Hamilton ML3 0HP Tel: 01698-711177 E-mail: enquiries.raeburndrilling@igne.com

Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP31

Engineer: Jacobs

Trial Pit to 0.80m

Location: E 230558.5 N 824185.3

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 2.40m Length - 3.00m

Progress	Sample Depth	Samples and Tests Type	Samples and Tests Result	Level (m) 332.27	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
23/11/2023	0.00	B, D, ES				Dark brown spongey fibrous, locally plastic amorphous PEAT (H2/B2)				
				331.87	0.40					
	0.50	B, B, B, D, ES				Dark grey sandy slightly silty fine to coarse angular and subangular GRAVEL of psammite with low cobble content. Sand is fine to coarse. Cobble are angular and subangular of psammite				
23/11	0.80	D		331.47	0.80	...OBSTRUCTION (possible rock) END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.40m.
Trial pit was terminated at a depth of 0.80m due to hard digging (possible bedrock).

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	0.40			
Chk & App FMR	Status **FINAL**				

Fig No: B56

Sheet 1 of 1

Scale 1:50

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Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP32

Engineer: Jacobs

Trial Pit to 1.00m

Location: E 230504.2
N 824055.1

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 2.40m Length - 3.00m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 332.85	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
22/11/2023	0.00	B, D, ES		332.55	0.30	Dark brown spongey amorphous, locally spongey psuedo-fibrous PEAT (H5/B2)				
	0.50	B, B, D, ES				Dark grey very sandy silty fine to coarse angular and subangular GRAVEL of psammite with medium cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite				
22/11	1.00	D, ES		331.85	1.00	....OBSTRUCTION (possible rock) END OF TRIAL PIT		Dry		

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was not encountered.
Trial pit was terminated at a depth of 1.00m due to hard digging (possible bedrock).

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
Chk & App	Status				
FMR	**FINAL**				

Fig No: B57
Sheet 1 of 1
Scale 1:50

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Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		Trial Pit No. TP33
Engineer: Jacobs		Trial Pit to 1.40m
Location: E 230389.7 N 824463.0	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 1.50m Length - 2.50m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 308.96	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
27/11/2023	0.00	B, D, ES		308.66	0.30	Dark brown plastic amorphous, locally spongey pseudo-fibrous PEAT (H5/B2)				
	0.50	B, B, D, ES				Brownish orange very sandy slightly silty fine to coarse angular to subrounded GRAVEL of psammite and granite with low cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite		▼		
	1.00	B, D, ES								
27/11	1.40	D		307.56	1.40	....OBSTRUCTION (possible rock) END OF TRIAL PIT				

Remarks:
Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.50m.
Trial pit was terminated at a depth of 1.40m due to hard digging (possible bedrock).

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
		0.50			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B58
Sheet 1 of 1
Scale 1:50

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Site: LT521 FASNAKYLE 400KV SUBSTATION		Contract No: 26560
Client: SSEN Transmission		Trial Pit No. TP34
Engineer: Jacobs		Trial Pit to 2.00m
Location: E 230565.0 N 823938.8	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 2.40m Length - 3.40m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 339.06	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
21/11/2023	0.00	B, D, ES		338.76	0.30	Dark brown slightly sandy plastic amorphous, locally spongey psuedo-fibrous PEAT (H5/B2)				
	0.50	B, D, ES				Dark grey to grey very sandy silty fine to coarse angular and subangular GRAVEL of psammite and pegmatite with low cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite				
	1.00	B, D, ES		338.06	1.00					
	1.50	B, B, D				Dark grey slightly sandy slightly silty fine to coarse angular and subangular GRAVEL of psammite and pegmatite with medium cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite				
21/11				337.06	2.00	....OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.10m.
Trial pit was terminated at a depth of 2.00m due to hard digging (possible bedrock).
In-situ thermal resitivity test carried out at a depth of 1.00m.

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
		0.10			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B59
Sheet 1 of 1
Scale 1:50

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP35
	Engineer: Jacobs	Trial Pit to 1.10m
Location: E 230643.3 N 824015.5	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 2.40m Length - 3.20m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 341.68	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
22/11/2023	0.00	B, D, ES				Dark brown plastic amorphous, locally spongey fibrous PEAT (H5/B3)				
				341.28	0.40					
	0.50	B, B, D, ES				Dark grey sandy slightly silty fine to coarse angular and subangular GRAVEL of psammite and granite with medium cobble content. Sand is fine to coarse. Cobbles are angular and subangular of psammite		▼		
22/11	1.00	B, D, ES		340.58	1.10	....OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.50m.
Trial pit was terminated at a depth of 1.10m due to hard digging (possible bedrock).

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
		0.50			
Chk & App FMR	Status **FINAL**				

Fig No: B60
Sheet 1 of 1
Scale 1:50

igne	Site: LT521 FASNAKYLE 400KV SUBSTATION	Contract No: 26560
	Client: SSEN Transmission	Trial Pit No. TP36
	Engineer: Jacobs	Trial Pit to 1.40m
Location: E 230721.8 N 824267.6	Orientation: Vertical	Equipment: 15T Tracked Excavator
		Width - 1.50m Length - 3.00m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 337.11	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
24/11/2023	0.00	B, D, ES		336.81	0.30	Dark brown spongey psuedo-fibrous, locally plastic amorphous PEAT (H4/B1)				
	0.50	B, D, ES				Dark brown to brown spongey psuedo-fibrous, locally plastic amorphous PEAT with traces of vegatation and roots (H4/B2)				
	1.00	B, B, D, ES		336.11	1.00					
24/11				335.71	1.40	Brown localy dark brown fibrous, locally psuedo-fibrous PEAT with wood and roots ....OBSTRUCTION (large tree roots) END OF TRIAL PIT				

Remarks:
Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 1.40m.
Trial pit was terminated at a depth of 1.40m due to hard digging (tree roots).

Driller	Originator	Ground-water			
	FP	Struck	Rose To	Time(mins)	Cut Off
		1.40			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B61
Sheet 1 of 1
Scale 1:50

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Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP36A

Engineer: Jacobs

Trial Pit to 0.80m

Location: E 230725.8
N 824260.5

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 2.00m Length - 2.50m

Progress	Sample Depth	Samples and Tests Type	Samples and Tests Result	Level (m) 337.34	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
13/12/2023				336.94	0.40	Dark brown plastic amorphous, locally spongey pseudo-fibrous PEAT with traces of vegetation. Strong organic odour (H5/B1)				
	0.50	B, B, D, ES								
13/12				336.54	0.80	Brownish grey silty fine to coarse SAND and fine to coarse angular to subrounded GRAVEL of psammite and granite with low cobble and boulder content and frequent rootlets. Cobbles and boulders are subangular of psammite (up to 500mm).				
						.... OBSTRUCTION (possible rock). END OF TRIAL PIT				

Remarks:
Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.80m.
Trial pit was terminated at a depth of 0.90m due to hard digging (possible bedrock).

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	KF	0.80			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B62
Sheet 1 of 1
Scale 1:50

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Site: LT521 FASNAKYLE 400KV SUBSTATION

Contract No: 26560

Client: SSEN Transmission

Trial Pit No. TP37

Engineer: Jacobs

Trial Pit to 0.90m

Location: E 230668.8
N 824143.7

Orientation: Vertical

Equipment: 15T Tracked Excavator

Width - 2.00m Length - 2.50m

Progress	Sample Depth	Samples and Tests Type	Result	Level (m) 339.14	Depth	Description of Strata	Legend	Water Depth	Backfill Symbol	Backfill Depth
24/11/2023	0.00	B, D, ES				Dark brown spongey psuedo-fibrous, locally plastic amorphous PEAT (H4/B1)				
				338.74	0.40					
	0.50	B, B, D, ES				Brownish yellow sandy slightly silty fine to coarse angular and subangular GRAVEL of psammite and granite with medium cobble content. Sand is fine to coarse. Cobbles are angular of psamite and granite				
23/11				338.24	0.90	....OBSTRUCTION (possible rock)				
						END OF TRIAL PIT				

Remarks:

Trial pit CAT scanned prior to excavation to check for services.
The walls of the pit stood vertical throughout excavation.
Ground-water was encountered at a depth of 0.40m.
Trial pit was terminated at a depth of 0.90m due to hard digging (possible bedrock).
In-situ thermal resitivity test not carried out due to unsuitable material.

Driller	Originator	Ground-water Struck	Rose To	Time(mins)	Cut Off
	FP	0.40			
Chk & App	Status				
FMR	**FINAL**				

Fig No: B63
Sheet 1 of 1
Scale 1:50

Easting	Northing	Point ID	Depth (m)	Date
230048	823888	PP0001	0.35	07/11/2023
230052	823897	PP0002	0.19	07/11/2023
230055	823907	PP0003	0.17	07/11/2023
230059	823916	PP0004	0.3	07/11/2023
230062	823925	PP0005	0.64	07/11/2023
230066	823935	PP0006	0.97	07/11/2023
230070	823944	PP0007	1.48	07/11/2023
230073	823953	PP0008	1.76	07/11/2023
230077	823963	PP0009	1.58	07/11/2023
230080	823972	PP0010	1.06	07/11/2023
230084	823981	PP0011	0.91	07/11/2023
230087	823991	PP0012	1.01	07/11/2023
230091	824000	PP0013	1.52	07/11/2023
230095	824009	PP0014	1.71	07/11/2023
230098	824019	PP0015	1.82	07/11/2023
230102	824028	PP0016	2.46	07/11/2023
230105	824037	PP0017	2.77	07/11/2023
230109	824047	PP0018	2.75	07/11/2023
230113	824056	PP0019	2.11	07/11/2023
230116	824065	PP0020	1.69	07/11/2023
230120	824075	PP0021	1.26	07/11/2023
230123	824084	PP0022	0.82	07/11/2023
230127	824093	PP0023	0.46	07/11/2023
230130	824103	PP0024	0.49	07/11/2023
230134	824112	PP0025	0.43	07/11/2023
230138	824121	PP0026	0.45	07/11/2023
230141	824131	PP0027	0.27	07/11/2023
230145	824140	PP0028	0.42	07/11/2023
230148	824149	PP0029	0.51	07/11/2023
230152	824159	PP0030	0.31	07/11/2023
230156	824168	PP0031	0.76	07/11/2023
230159	824177	PP0032	0.37	07/11/2023
230163	824187	PP0033	0.49	07/11/2023
230166	824196	PP0034	0.34	07/11/2023
230170	824205	PP0035	0.35	07/11/2023
230173	824215	PP0036	0.29	07/11/2023
230177	824224	PP0037	0.29	07/11/2023
230181	824233	PP0038	0.3	07/11/2023
230184	824243	PP0039	0.36	07/11/2023
230188	824252	PP0040	0.57	07/11/2023
230191	824261	PP0041	0.51	07/11/2023
230195	824271	PP0042	0.69	07/11/2023
230199	824280	PP0043	0.47	07/11/2023
230202	824289	PP0044	0.39	07/11/2023
230206	824299	PP0045	0.37	07/11/2023
230209	824308	PP0046	2.22	07/11/2023
230213	824317	PP0047	2.01	07/11/2023
230216	824327	PP0048	3.01	07/11/2023
230220	824336	PP0049	1.51	07/11/2023
230224	824345	PP0050	0.66	07/11/2023
230227	824355	PP0051	0.62	07/11/2023
230231	824364	PP0052	0.46	07/11/2023
230234	824373	PP0053	0.81	07/11/2023
230238	824383	PP0054	0.88	07/11/2023
230242	824392	PP0055	0.71	07/11/2023
230245	824401	PP0056	0.71	07/11/2023
230249	824411	PP0057	0.35	07/11/2023
230252	824420	PP0058	0.67	07/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230256	824429	PP0059	1.15	07/11/2023
230259	824439	PP0060	1.58	07/11/2023
230263	824448	PP0061	1.31	07/11/2023
230267	824457	PP0062	2.07	07/11/2023
230270	824467	PP0063	0.6	07/11/2023
230058	823886	PP0064	0.54	07/11/2023
230061	823896	PP0065	0.57	07/11/2023
230065	823905	PP0066	0.66	07/11/2023
230069	823914	PP0067	0.77	07/11/2023
230072	823924	PP0068	1.08	07/11/2023
230076	823933	PP0069	1.11	07/11/2023
230079	823942	PP0070	1.14	07/11/2023
230083	823952	PP0071	1.06	07/11/2023
230087	823961	PP0072	1.09	07/11/2023
230090	823970	PP0073	0.94	07/11/2023
230094	823980	PP0074	1.1	07/11/2023
230097	823989	PP0075	1.15	07/11/2023
230101	823998	PP0076	1.5	07/11/2023
230104	824008	PP0077	1.55	07/11/2023
230108	824017	PP0078	1.45	07/11/2023
230112	824026	PP0079	1.88	07/11/2023
230115	824036	PP0080	2.06	07/11/2023
230119	824045	PP0081	2.88	07/11/2023
230122	824054	PP0082	2.12	07/11/2023
230126	824064	PP0083	2.18	07/11/2023
230130	824073	PP0084	1.26	07/11/2023
230133	824082	PP0085	0.38	07/11/2023
230137	824092	PP0086	0.44	07/11/2023
230140	824101	PP0087	0.5	07/11/2023
230144	824110	PP0088	0.41	07/11/2023
230147	824120	PP0089	0.38	07/11/2023
230151	824129	PP0090	0.51	07/11/2023
230155	824138	PP0091	0.39	07/11/2023
230158	824148	PP0092	0.35	07/11/2023
230162	824157	PP0093	0.35	07/11/2023
230165	824166	PP0094	0.28	07/11/2023
230169	824176	PP0095	0.55	07/11/2023
230173	824185	PP0096	0.54	07/11/2023
230176	824194	PP0097	0.42	07/11/2023
230180	824204	PP0098	0.36	07/11/2023
230183	824213	PP0099	0.43	07/11/2023
230187	824222	PP0100	0.83	07/11/2023
230190	824232	PP0101	0.24	08/11/2023
230194	824241	PP0102	0.47	08/11/2023
230198	824250	PP0103	0.43	08/11/2023
230201	824260	PP0104	0.38	08/11/2023
230205	824269	PP0105	0.43	08/11/2023
230208	824278	PP0106	0.3	08/11/2023
230212	824288	PP0107	0.3	08/11/2023
230216	824297	PP0108	0.66	08/11/2023
230219	824306	PP0109	1.51	08/11/2023
230223	824316	PP0110	2.63	08/11/2023
230226	824325	PP0111	3.23	08/11/2023
230230	824334	PP0112	1.41	08/11/2023
230233	824344	PP0113	0.62	08/11/2023
230237	824353	PP0114	0.49	08/11/2023
230241	824362	PP0115	0.55	08/11/2023
230244	824372	PP0116	0.4	08/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230248	824381	PP0117	0.49	08/11/2023
230251	824390	PP0118	1.03	08/11/2023
230255	824400	PP0119	0.74	08/11/2023
230259	824409	PP0120	0.71	08/11/2023
230262	824418	PP0121	0.79	08/11/2023
230266	824428	PP0122	1.33	08/11/2023
230269	824437	PP0123	1.3	08/11/2023
230273	824446	PP0124	1.61	08/11/2023
230276	824456	PP0125	1.84	08/11/2023
230280	824465	PP0126	1.55	08/11/2023
230284	824474	PP0127	0.63	08/11/2023
230287	824484	PP0128	0.35	08/11/2023
230291	824493	PP0129	0.43	08/11/2023
230068	823885	PP0130	0.35	08/11/2023
230071	823894	PP0131	0.53	08/11/2023
230075	823903	PP0132	0.57	08/11/2023
230078	823913	PP0133	1.08	08/11/2023
230082	823922	PP0134	1.03	08/11/2023
230086	823931	PP0135	0.81	08/11/2023
230089	823941	PP0136	1.08	08/11/2023
230093	823950	PP0137	0.61	08/11/2023
230096	823959	PP0138	0.54	08/11/2023
230100	823969	PP0139	0.95	08/11/2023
230104	823978	PP0140	0.8	08/11/2023
230107	823987	PP0141	1.18	08/11/2023
230111	823997	PP0142	1.18	08/11/2023
230114	824006	PP0143	1.12	08/11/2023
230118	824015	PP0144	1.51	08/11/2023
230121	824025	PP0145	1.91	08/11/2023
230125	824034	PP0146	1.82	08/11/2023
230129	824043	PP0147	3.09	08/11/2023
230132	824053	PP0148	3.47	08/11/2023
230136	824062	PP0149	1.04	08/11/2023
230139	824071	PP0150	0.69	08/11/2023
230143	824081	PP0151	0.63	08/11/2023
230147	824090	PP0152	0.19	08/11/2023
230150	824099	PP0153	0.48	08/11/2023
230154	824109	PP0154	0.5	08/11/2023
230157	824118	PP0155	0.48	08/11/2023
230161	824127	PP0156	0.53	08/11/2023
230164	824137	PP0157	0.63	08/11/2023
230168	824146	PP0158	0.38	08/11/2023
230172	824155	PP0159	0.63	08/11/2023
230175	824165	PP0160	0.4	08/11/2023
230179	824174	PP0161	0.37	08/11/2023
230182	824183	PP0162	0.64	08/11/2023
230186	824193	PP0163	0.46	08/11/2023
230190	824202	PP0164	0.4	08/11/2023
230193	824211	PP0165	0.34	08/11/2023
230197	824221	PP0166	0.39	08/11/2023
230200	824230	PP0167	0.29	08/11/2023
230204	824239	PP0168	0.49	08/11/2023
230207	824249	PP0169	0.23	08/11/2023
230211	824258	PP0170	0.52	08/11/2023
230215	824267	PP0171	1.02	08/11/2023
230218	824277	PP0172	0.33	08/11/2023
230222	824286	PP0173	0.87	08/11/2023
230225	824295	PP0174	0.99	08/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230229	824305	PP0175	1.48	08/11/2023
230233	824314	PP0176	0.8	08/11/2023
230236	824323	PP0177	3.01	08/11/2023
230240	824333	PP0178	1.7	08/11/2023
230243	824342	PP0179	1.72	08/11/2023
230247	824351	PP0180	0.77	08/11/2023
230250	824361	PP0181	0.98	08/11/2023
230254	824370	PP0182	0.57	08/11/2023
230258	824379	PP0183	0.77	08/11/2023
230261	824389	PP0184	1.01	08/11/2023
230265	824398	PP0185	0.88	08/11/2023
230268	824407	PP0186	1.39	08/11/2023
230272	824417	PP0187	1.78	08/11/2023
230276	824426	PP0188	1.88	08/11/2023
230279	824435	PP0189	2.11	08/11/2023
230283	824445	PP0190	2.12	08/11/2023
230286	824454	PP0191	2.28	08/11/2023
230290	824463	PP0192	1.62	08/11/2023
230293	824473	PP0193	0.34	08/11/2023
230297	824482	PP0194	0.15	08/11/2023
230301	824491	PP0195	0.36	08/11/2023
230304	824501	PP0196	0.53	08/11/2023
230308	824510	PP0197	0.29	08/11/2023
230078	823883	PP0198	0.47	08/11/2023
230081	823892	PP0199	0.76	08/11/2023
230085	823902	PP0200	1.07	08/11/2023
230088	823911	PP0201	0.53	08/11/2023
230092	823920	PP0202	0.61	08/11/2023
230095	823930	PP0203	0.51	08/11/2023
230099	823939	PP0204	0.45	08/11/2023
230103	823948	PP0205	0.44	08/11/2023
230106	823958	PP0206	0.88	08/11/2023
230110	823967	PP0207	0.83	08/11/2023
230113	823976	PP0208	0.92	08/11/2023
230117	823986	PP0209	1.3	08/11/2023
230121	823995	PP0210	1.55	08/11/2023
230124	824004	PP0211	1.67	08/11/2023
230128	824014	PP0212	1.9	08/11/2023
230131	824023	PP0213	2.03	08/11/2023
230135	824032	PP0214	1.96	08/11/2023
230139	824042	PP0215	2.04	08/11/2023
230142	824051	PP0216	3.42	08/11/2023
230146	824060	PP0217	3.33	08/11/2023
230149	824070	PP0218	1.44	08/11/2023
230153	824079	PP0219	0.69	08/11/2023
230156	824088	PP0220	0.48	08/11/2023
230160	824098	PP0221	0.49	08/11/2023
230164	824107	PP0222	0.52	08/11/2023
230167	824116	PP0223	0.42	08/11/2023
230171	824126	PP0224	0.36	08/11/2023
230174	824135	PP0225	0.45	08/11/2023
230178	824144	PP0226	0.52	08/11/2023
230182	824154	PP0227	0.5	08/11/2023
230185	824163	PP0228	0.37	08/11/2023
230189	824172	PP0229	0.37	08/11/2023
230192	824182	PP0230	0.48	08/11/2023
230196	824191	PP0231	0.47	08/11/2023
230199	824200	PP0232	0.42	08/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230203	824210	PP0233	0.59	08/11/2023
230207	824219	PP0234	0.45	08/11/2023
230210	824228	PP0235	0.47	08/11/2023
230214	824238	PP0236	0.75	08/11/2023
230217	824247	PP0237	0.54	08/11/2023
230221	824256	PP0238	0.61	08/11/2023
230225	824266	PP0239	0.58	08/11/2023
230228	824275	PP0240	0.32	08/11/2023
230232	824284	PP0241	0.51	08/11/2023
230235	824294	PP0242	0.5	08/11/2023
230239	824303	PP0243	0.68	08/11/2023
230242	824312	PP0244	2.28	08/11/2023
230246	824322	PP0245	3.64	08/11/2023
230250	824331	PP0246	4.64	08/11/2023
230253	824340	PP0247	2.24	08/11/2023
230257	824350	PP0248	1.77	08/11/2023
230260	824359	PP0249	1.39	08/11/2023
230264	824368	PP0250	1.3	08/11/2023
230268	824378	PP0251	0.89	08/11/2023
230271	824387	PP0252	1.23	08/11/2023
230275	824396	PP0253	1.41	08/11/2023
230278	824406	PP0254	1.53	08/11/2023
230282	824415	PP0255	1.81	08/11/2023
230285	824424	PP0256	2.53	08/11/2023
230289	824434	PP0257	2.54	08/11/2023
230293	824443	PP0258	2.42	08/11/2023
230296	824452	PP0259	2.43	08/11/2023
230300	824462	PP0260	1.52	08/11/2023
230303	824471	PP0261	0.74	08/11/2023
230307	824480	PP0262	0.51	08/11/2023
230311	824490	PP0263	0.34	08/11/2023
230314	824499	PP0264	0.66	08/11/2023
230318	824509	PP0265	0.57	08/11/2023
230321	824518	PP0266	0.58	08/11/2023
230325	824527	PP0267	0.46	08/11/2023
230328	824537	PP0268	0.36	08/11/2023
230087	823881	PP0269	0.39	08/11/2023
230091	823891	PP0270	0.42	08/11/2023
230095	823900	PP0271	0.54	08/11/2023
230098	823909	PP0272	0.59	08/11/2023
230102	823919	PP0273	0.47	08/11/2023
230105	823928	PP0274	0.34	08/11/2023
230109	823937	PP0275	0.36	08/11/2023
230113	823947	PP0276	0.6	08/11/2023
230116	823956	PP0277	0.46	08/11/2023
230120	823965	PP0278	0.55	08/11/2023
230123	823975	PP0279	0.79	08/11/2023
230127	823984	PP0280	1.11	08/11/2023
230130	823993	PP0281	0.62	08/11/2023
230134	824003	PP0282	1.61	08/11/2023
230138	824012	PP0283	1.44	08/11/2023
230141	824021	PP0284	1.28	08/11/2023
230145	824031	PP0285	1.96	08/11/2023
230148	824040	PP0286	2.11	08/11/2023
230152	824049	PP0287	3.09	08/11/2023
230156	824059	PP0288	3.64	08/11/2023
230159	824068	PP0289	1.74	08/11/2023
230163	824077	PP0290	1.03	08/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230166	824087	PP0291	0.88	08/11/2023
230170	824096	PP0292	0.5	08/11/2023
230173	824105	PP0293	0.29	08/11/2023
230177	824115	PP0294	0.34	08/11/2023
230181	824124	PP0295	0.44	08/11/2023
230184	824133	PP0296	0.45	08/11/2023
230188	824143	PP0297	0.69	08/11/2023
230191	824152	PP0298	0.52	08/11/2023
230195	824161	PP0299	0.54	08/11/2023
230199	824171	PP0300	0.59	08/11/2023
230202	824180	PP0301	0.38	09/11/2023
230206	824189	PP0302	0.37	09/11/2023
230209	824199	PP0303	0.76	09/11/2023
230213	824208	PP0304	0.4	09/11/2023
230216	824217	PP0305	0.44	09/11/2023
230220	824227	PP0306	0.61	09/11/2023
230224	824236	PP0307	0.62	09/11/2023
230227	824245	PP0308	0.53	09/11/2023
230231	824255	PP0309	0.5	09/11/2023
230234	824264	PP0310	0.65	09/11/2023
230238	824273	PP0311	0.56	09/11/2023
230242	824283	PP0312	0.44	09/11/2023
230245	824292	PP0313	0.64	09/11/2023
230249	824301	PP0314	0.38	09/11/2023
230252	824311	PP0315	0.77	09/11/2023
230256	824320	PP0316	1.79	09/11/2023
230259	824329	PP0317	2.31	09/11/2023
230263	824339	PP0318	3.69	09/11/2023
230267	824348	PP0319	3.56	09/11/2023
230270	824357	PP0320	2.76	09/11/2023
230274	824367	PP0321	2.7	09/11/2023
230277	824376	PP0322	2.11	09/11/2023
230281	824385	PP0323	1.81	09/11/2023
230285	824395	PP0324	1.35	09/11/2023
230288	824404	PP0325	1.73	09/11/2023
230292	824413	PP0326	2.39	09/11/2023
230295	824423	PP0327	2.96	09/11/2023
230299	824432	PP0328	2.78	09/11/2023
230302	824441	PP0329	2.53	09/11/2023
230306	824451	PP0330	2.31	09/11/2023
230310	824460	PP0331	1.94	09/11/2023
230313	824469	PP0332	1.09	09/11/2023
230317	824479	PP0333	0.62	09/11/2023
230320	824488	PP0334	0.75	09/11/2023
230324	824497	PP0335	0.85	09/11/2023
230328	824507	PP0336	0.75	09/11/2023
230331	824516	PP0337	0.62	09/11/2023
230335	824526	PP0338	0.77	09/11/2023
230338	824535	PP0339	1.12	09/11/2023
230342	824544	PP0340	1.13	09/11/2023
230345	824554	PP0341	0.93	09/11/2023
230349	824563	PP0342	0.43	09/11/2023
230353	824572	PP0343	0.25	09/11/2023
230097	823880	PP0344	0.33	09/11/2023
230101	823889	PP0345	0.6	09/11/2023
230104	823898	PP0346	0.54	09/11/2023
230108	823908	PP0347	0.33	09/11/2023
230112	823917	PP0348	0.51	09/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230115	823926	PP0349	0.55	09/11/2023
230119	823936	PP0350	0.4	09/11/2023
230122	823945	PP0351	0.55	09/11/2023
230126	823954	PP0352	0.37	09/11/2023
230130	823964	PP0353	0.73	09/11/2023
230133	823973	PP0354	0.88	09/11/2023
230137	823982	PP0355	1.05	09/11/2023
230140	823992	PP0356	0.92	09/11/2023
230144	824001	PP0357	1.16	09/11/2023
230147	824010	PP0358	1.58	09/11/2023
230151	824020	PP0359	1.74	09/11/2023
230155	824029	PP0360	2.17	09/11/2023
230158	824038	PP0361	2.05	09/11/2023
230162	824048	PP0362	3.48	09/11/2023
230165	824057	PP0363	3.34	09/11/2023
230169	824066	PP0364	1.8	09/11/2023
230173	824076	PP0365	1.17	09/11/2023
230176	824085	PP0366	0.59	09/11/2023
230180	824094	PP0367	0.42	09/11/2023
230183	824104	PP0368	0.32	09/11/2023
230187	824113	PP0369	0.53	09/11/2023
230190	824122	PP0370	0.47	09/11/2023
230194	824132	PP0371	0.44	09/11/2023
230198	824141	PP0372	0.51	09/11/2023
230201	824150	PP0373	0.67	09/11/2023
230205	824160	PP0374	0.28	09/11/2023
230208	824169	PP0375	0.34	09/11/2023
230212	824178	PP0376	0.6	09/11/2023
230216	824188	PP0377	0.5	09/11/2023
230219	824197	PP0378	0.55	09/11/2023
230223	824206	PP0379	0.52	09/11/2023
230226	824216	PP0380	0.7	09/11/2023
230230	824225	PP0381	0.52	09/11/2023
230233	824234	PP0382	0.5	09/11/2023
230237	824244	PP0383	0.59	09/11/2023
230241	824253	PP0384	0.57	09/11/2023
230244	824262	PP0385	0.5	09/11/2023
230248	824272	PP0386	0.61	09/11/2023
230251	824281	PP0387	0.66	21/11/2023
230255	824290	PP0388	0.37	21/11/2023
230259	824300	PP0389	0.75	09/11/2023
230262	824309	PP0390	0.61	09/11/2023
230266	824318	PP0391	0.49	09/11/2023
230269	824328	PP0392	0.69	09/11/2023
230273	824337	PP0393	0.74	09/11/2023
230276	824346	PP0394	1.36	09/11/2023
230280	824356	PP0395	2.26	09/11/2023
230284	824365	PP0396	3.45	09/11/2023
230287	824374	PP0397	3.21	09/11/2023
230291	824384	PP0398	2.83	09/11/2023
230294	824393	PP0399	2.8	09/11/2023
230298	824402	PP0400	2.37	09/11/2023
230302	824412	PP0401	2.3	09/11/2023
230305	824421	PP0402	2.83	09/11/2023
230309	824430	PP0403	2.84	09/11/2023
230312	824440	PP0404	2.62	09/11/2023
230316	824449	PP0405	2.5	09/11/2023
230319	824458	PP0406	1.52	09/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230323	824468	PP0407	1.35	09/11/2023
230327	824477	PP0408	0.88	09/11/2023
230330	824486	PP0409	0.79	09/11/2023
230334	824496	PP0410	0.49	09/11/2023
230337	824505	PP0411	0.5	09/11/2023
230341	824515	PP0412	0.54	09/11/2023
230345	824524	PP0413	0.45	09/11/2023
230348	824533	PP0414	0.5	09/11/2023
230352	824543	PP0415	0.9	09/11/2023
230355	824552	PP0416	1.15	09/11/2023
230359	824561	PP0417	1.79	09/11/2023
230362	824571	PP0418	0.84	09/11/2023
230366	824580	PP0419	0.68	09/11/2023
230370	824589	PP0420	1.09	09/11/2023
230107	823878	PP0421	0.37	09/11/2023
230111	823887	PP0422	0.33	09/11/2023
230114	823897	PP0423	0.41	09/11/2023
230118	823906	PP0424	0.29	09/11/2023
230121	823915	PP0425	0.42	09/11/2023
230125	823925	PP0426	0.36	09/11/2023
230129	823934	PP0427	0.55	09/11/2023
230132	823943	PP0428	0.53	09/11/2023
230136	823953	PP0429	0.43	09/11/2023
230139	823962	PP0430	0.59	09/11/2023
230143	823971	PP0431	0.58	09/11/2023
230147	823981	PP0432	0.66	09/11/2023
230150	823990	PP0433	0.65	09/11/2023
230154	823999	PP0434	1	09/11/2023
230157	824009	PP0435	1.41	09/11/2023
230161	824018	PP0436	1.29	09/11/2023
230165	824027	PP0437	1.37	09/11/2023
230168	824037	PP0438	1.95	09/11/2023
230172	824046	PP0439	2.88	09/11/2023
230175	824055	PP0440	3.55	09/11/2023
230179	824065	PP0441	1.32	09/11/2023
230182	824074	PP0442	0.9	09/11/2023
230186	824083	PP0443	0.79	09/11/2023
230190	824093	PP0444	0.62	09/11/2023
230193	824102	PP0445	0.56	09/11/2023
230197	824111	PP0446	0.38	09/11/2023
230200	824121	PP0447	0.52	09/11/2023
230204	824130	PP0448	0.62	09/11/2023
230208	824139	PP0449	0.35	09/11/2023
230211	824149	PP0450	0.83	09/11/2023
230215	824158	PP0451	0.27	09/11/2023
230218	824167	PP0452	0.47	09/11/2023
230222	824177	PP0453	0.51	09/11/2023
230225	824186	PP0454	0.64	09/11/2023
230229	824195	PP0455	0.5	09/11/2023
230233	824205	PP0456	0.6	09/11/2023
230236	824214	PP0457	0.55	09/11/2023
230240	824223	PP0458	0.35	09/11/2023
230243	824233	PP0459	0.69	09/11/2023
230247	824242	PP0460	0.5	09/11/2023
230251	824251	PP0461	0.59	09/11/2023
230254	824261	PP0462	0.5	09/11/2023
230258	824270	PP0463	0.73	09/11/2023
230261	824279	PP0464	0.9	09/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230265	824289	PP0465	0.59	09/11/2023
230268	824298	PP0466	0.6	09/11/2023
230272	824307	PP0467	0.3	09/11/2023
230276	824317	PP0468	2.13	09/11/2023
230279	824326	PP0469	2.12	09/11/2023
230283	824335	PP0470	2.75	09/11/2023
230286	824345	PP0471	2.79	09/11/2023
230290	824354	PP0472	3.11	09/11/2023
230294	824363	PP0473	3.11	09/11/2023
230297	824373	PP0474	2.82	09/11/2023
230301	824382	PP0475	3.4	09/11/2023
230304	824391	PP0476	3.59	09/11/2023
230308	824401	PP0477	3.4	09/11/2023
230311	824410	PP0478	2.82	09/11/2023
230315	824419	PP0479	2.49	09/11/2023
230319	824429	PP0480	1.69	09/11/2023
230322	824438	PP0481	1.77	09/11/2023
230326	824447	PP0482	1.55	09/11/2023
230329	824457	PP0483	1.62	09/11/2023
230333	824466	PP0484	0.94	09/11/2023
230337	824475	PP0485	0.67	09/11/2023
230340	824485	PP0486	0.58	09/11/2023
230344	824494	PP0487	0.39	09/11/2023
230347	824504	PP0488	0.56	09/11/2023
230351	824513	PP0489	0.53	09/11/2023
230354	824522	PP0490	0.34	09/11/2023
230358	824532	PP0491	0.64	09/11/2023
230362	824541	PP0492	0.67	09/11/2023
230365	824550	PP0493	1.17	09/11/2023
230369	824560	PP0494	2.18	09/11/2023
230372	824569	PP0495	2.55	09/11/2023
230376	824578	PP0496	1.91	09/11/2023
230380	824588	PP0497	1.4	09/11/2023
230383	824597	PP0498	0.86	09/11/2023
230121	823886	PP0499	0.6	10/11/2023
230124	823895	PP0500	0.66	10/11/2023
230128	823904	PP0501	0.73	10/11/2023
230131	823914	PP0502	0.54	10/11/2023
230135	823923	PP0503	0.53	10/11/2023
230139	823932	PP0504	0.82	10/11/2023
230142	823942	PP0505	0.43	10/11/2023
230146	823951	PP0506	0.37	10/11/2023
230149	823960	PP0507	0.57	10/11/2023
230153	823970	PP0508	0.41	10/11/2023
230156	823979	PP0509	0.63	10/11/2023
230160	823988	PP0510	0.81	10/11/2023
230164	823998	PP0511	1.09	10/11/2023
230167	824007	PP0512	0.99	10/11/2023
230171	824016	PP0513	1.17	10/11/2023
230174	824026	PP0514	1.19	10/11/2023
230178	824035	PP0515	1.17	10/11/2023
230182	824044	PP0516	2.21	10/11/2023
230185	824054	PP0517	2.78	10/11/2023
230189	824063	PP0518	0.9	10/11/2023
230192	824072	PP0519	0.8	10/11/2023
230196	824082	PP0520	0.69	10/11/2023
230199	824091	PP0521	0.51	10/11/2023
230203	824100	PP0522	0.64	10/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230207	824110	PP0523	0.48	10/11/2023
230210	824119	PP0524	0.48	10/11/2023
230214	824128	PP0525	0.59	10/11/2023
230217	824138	PP0526	0.41	10/11/2023
230221	824147	PP0527	0.4	10/11/2023
230225	824156	PP0528	0.72	10/11/2023
230228	824166	PP0529	0.52	10/11/2023
230232	824175	PP0530	0.59	10/11/2023
230235	824184	PP0531	0.49	10/11/2023
230239	824194	PP0532	0.36	10/11/2023
230242	824203	PP0533	0.52	10/11/2023
230246	824212	PP0534	0.53	10/11/2023
230250	824222	PP0535	0.65	10/11/2023
230253	824231	PP0536	0.62	10/11/2023
230257	824240	PP0537	0.75	10/11/2023
230260	824250	PP0538	0.55	10/11/2023
230264	824259	PP0539	0.63	10/11/2023
230268	824268	PP0540	0.45	10/11/2023
230271	824278	PP0541	0.47	10/11/2023
230275	824287	PP0542	0.75	10/11/2023
230278	824296	PP0543	0.45	10/11/2023
230282	824306	PP0544	0.5	10/11/2023
230285	824315	PP0545	0.48	10/11/2023
230289	824324	PP0546	0.86	10/11/2023
230293	824334	PP0547	0.87	10/11/2023
230296	824343	PP0548	0.53	10/11/2023
230300	824352	PP0549	1.55	10/11/2023
230303	824362	PP0550	1.89	10/11/2023
230307	824371	PP0551	1.99	10/11/2023
230311	824380	PP0552	2.16	10/11/2023
230314	824390	PP0553	2.82	10/11/2023
230318	824399	PP0554	3.12	10/11/2023
230321	824408	PP0555	2.83	10/11/2023
230325	824418	PP0556	2.11	10/11/2023
230328	824427	PP0557	1.9	10/11/2023
230332	824436	PP0558	1.93	10/11/2023
230336	824446	PP0559	0.63	10/11/2023
230339	824455	PP0560	0.58	10/11/2023
230343	824464	PP0561	0.54	11/11/2023
230346	824474	PP0562	0.78	11/11/2023
230350	824483	PP0563	0.57	11/11/2023
230354	824493	PP0564	0.38	11/11/2023
230357	824502	PP0565	0.4	11/11/2023
230361	824511	PP0566	0.37	11/11/2023
230364	824521	PP0567	0.46	11/11/2023
230368	824530	PP0568	0.15	11/11/2023
230371	824539	PP0569	0.32	11/11/2023
230375	824549	PP0570	0.49	11/11/2023
230379	824558	PP0571	0.96	11/11/2023
230382	824567	PP0572	1.22	11/11/2023
230386	824577	PP0573	1.42	11/11/2023
230389	824586	PP0574	2.38	11/11/2023
230393	824595	PP0575	1.85	11/11/2023
230397	824605	PP0576	1.3	11/11/2023
230400	824614	PP0577	0.92	11/11/2023
230404	824623	PP0578	0.61	11/11/2023
230407	824633	PP0579	0.57	11/11/2023
230411	824642	PP0580	0.59	11/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230414	824651	PP0581	0.5	11/11/2023
230418	824661	PP0582	beyond dear fence	11/11/2023
230422	824670	PP0583	beyond dear fence	11/11/2023
230425	824679	PP0584	beyond dear fence	11/11/2023
230130	823884	PP0585	0.66	11/11/2023
230134	823893	PP0586	0.3	11/11/2023
230138	823903	PP0587	0.36	11/11/2023
230141	823912	PP0588	0.41	11/11/2023
230145	823921	PP0589	0.48	11/11/2023
230148	823931	PP0590	0.53	11/11/2023
230152	823940	PP0591	0.4	11/11/2023
230156	823949	PP0592	0.58	11/11/2023
230159	823959	PP0593	0.53	11/11/2023
230163	823968	PP0594	0.55	11/11/2023
230166	823977	PP0595	0.47	11/11/2023
230170	823987	PP0596	0.4	11/11/2023
230173	823996	PP0597	0.63	11/11/2023
230177	824005	PP0598	0.47	11/11/2023
230181	824015	PP0599	0.69	11/11/2023
230184	824024	PP0600	1.14	11/11/2023
230188	824033	PP0601	1.23	11/11/2023
230191	824043	PP0602	3.08	11/11/2023
230195	824052	PP0603	3.38	11/11/2023
230199	824061	PP0604	1.8	11/11/2023
230202	824071	PP0605	0.4	11/11/2023
230206	824080	PP0606	0.5	11/11/2023
230209	824089	PP0607	0.66	11/11/2023
230213	824099	PP0608	0.4	11/11/2023
230216	824108	PP0609	0.65	11/11/2023
230220	824117	PP0610	0.5	11/11/2023
230224	824127	PP0611	0.48	11/11/2023
230227	824136	PP0612	0.69	11/11/2023
230231	824145	PP0613	0.47	11/11/2023
230234	824155	PP0614	0.6	11/11/2023
230238	824164	PP0615	0.48	11/11/2023
230242	824173	PP0616	0.41	11/11/2023
230245	824183	PP0617	0.48	11/11/2023
230249	824192	PP0618	0.49	11/11/2023
230252	824201	PP0619	0.52	11/11/2023
230256	824211	PP0620	0.46	11/11/2023
230259	824220	PP0621	0.48	11/11/2023
230263	824229	PP0622	0.34	11/11/2023
230267	824239	PP0623	0.43	11/11/2023
230270	824248	PP0624	0.69	11/11/2023
230274	824257	PP0625	0.71	11/11/2023
230277	824267	PP0626	0.46	11/11/2023
230281	824276	PP0627	0.78	11/11/2023
230285	824285	PP0628	0.45	11/11/2023
230288	824295	PP0629	0.7	11/11/2023
230292	824304	PP0630	0.47	11/11/2023
230295	824313	PP0631	0.84	11/11/2023
230299	824323	PP0632	0.61	11/11/2023
230302	824332	PP0633	0.77	11/11/2023
230306	824341	PP0634	0.51	11/11/2023
230310	824351	PP0635	0.3	11/11/2023
230313	824360	PP0636	0.53	11/11/2023
230317	824369	PP0637	1.04	11/11/2023
230320	824379	PP0638	1.45	11/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230324	824388	PP0639	1.87	11/11/2023
230328	824397	PP0640	1.4	11/11/2023
230331	824407	PP0641	1.14	11/11/2023
230335	824416	PP0642	0.5	11/11/2023
230338	824425	PP0643	0.34	11/11/2023
230342	824435	PP0644	0.6	11/11/2023
230345	824444	PP0645	0.43	11/11/2023
230349	824453	PP0646	0.66	11/11/2023
230353	824463	PP0647	0.86	11/11/2023
230356	824472	PP0648	0.87	11/11/2023
230360	824481	PP0649	0.64	11/11/2023
230363	824491	PP0650	0.49	11/11/2023
230367	824500	PP0651	0.42	11/11/2023
230371	824510	PP0652	0.22	11/11/2023
230374	824519	PP0653	1.1	11/11/2023
230378	824528	PP0654	0.4	11/11/2023
230381	824538	PP0655	0.42	11/11/2023
230385	824547	PP0656	0.48	11/11/2023
230388	824556	PP0657	0.75	11/11/2023
230392	824566	PP0658	0.55	11/11/2023
230396	824575	PP0659	0.18	11/11/2023
230399	824584	PP0660	0.34	11/11/2023
230403	824594	PP0661	0.8	11/11/2023
230406	824603	PP0662	0.9	11/11/2023
230410	824612	PP0663	2.05	11/11/2023
230414	824622	PP0664	2	11/11/2023
230417	824631	PP0665	1.69	11/11/2023
230421	824640	PP0666	1.4	11/11/2023
230424	824650	PP0667	1.16	11/11/2023
230428	824659	PP0668	beyond dear fence	11/11/2023
230431	824668	PP0669	beyond dear fence	11/11/2023
230435	824678	PP0670	beyond dear fence	11/11/2023
230439	824687	PP0671	beyond dear fence	11/11/2023
230140	823882	PP0672	0.63	11/11/2023
230144	823892	PP0673	0.47	11/11/2023
230147	823901	PP0674	0.2	11/11/2023
230151	823910	PP0675	0.52	11/11/2023
230155	823920	PP0676	0.3	11/11/2023
230158	823929	PP0677	0.21	11/11/2023
230162	823938	PP0678	0.35	11/11/2023
230165	823948	PP0679	0.31	11/11/2023
230169	823957	PP0680	0.23	11/11/2023
230173	823966	PP0681	0.66	11/11/2023
230176	823976	PP0682	0.42	11/11/2023
230180	823985	PP0683	0.53	11/11/2023
230183	823994	PP0684	0.39	11/11/2023
230187	824004	PP0685	0.56	11/11/2023
230190	824013	PP0686	0.67	11/11/2023
230194	824022	PP0687	0.92	11/11/2023
230198	824032	PP0688	3.06	11/11/2023
230201	824041	PP0689	2.73	11/11/2023
230205	824050	PP0690	2.5	11/11/2023
230208	824060	PP0691	2.5	11/11/2023
230212	824069	PP0692	2.29	11/11/2023
230216	824078	PP0693	0.48	11/11/2023
230219	824088	PP0694	0.29	11/11/2023
230223	824097	PP0695	0.75	11/11/2023
230226	824106	PP0696	0.66	11/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230230	824116	PP0697	0.42	11/11/2023
230234	824125	PP0698	0.63	11/11/2023
230237	824134	PP0699	0.55	11/11/2023
230241	824144	PP0700	0.64	11/11/2023
230244	824153	PP0701	0.67	11/11/2023
230248	824162	PP0702	0.5	11/11/2023
230251	824172	PP0703	0.65	11/11/2023
230255	824181	PP0704	0.39	11/11/2023
230259	824190	PP0705	0.54	11/11/2023
230262	824200	PP0706	0.55	11/11/2023
230266	824209	PP0707	0.42	11/11/2023
230269	824218	PP0708	0.58	11/11/2023
230273	824228	PP0709	0.8	11/11/2023
230277	824237	PP0710	0.42	11/11/2023
230280	824246	PP0711	0.73	11/11/2023
230284	824256	PP0712	0.58	11/11/2023
230287	824265	PP0713	0.82	11/11/2023
230291	824274	PP0714	0.8	11/11/2023
230294	824284	PP0715	0.49	11/11/2023
230298	824293	PP0716	0.6	11/11/2023
230302	824302	PP0717	0.55	11/11/2023
230305	824312	PP0718	0.42	11/11/2023
230309	824321	PP0719	0.71	11/11/2023
230312	824330	PP0720	0.88	11/11/2023
230316	824340	PP0721	0.72	11/11/2023
230320	824349	PP0722	0.5	11/11/2023
230323	824358	PP0723	0.74	11/11/2023
230327	824368	PP0724	1.08	11/11/2023
230330	824377	PP0725	0.51	11/11/2023
230334	824386	PP0726	0.9	11/11/2023
230337	824396	PP0727	0.72	11/11/2023
230341	824405	PP0728	0.51	11/11/2023
230345	824414	PP0729	0.37	11/11/2023
230348	824424	PP0730	0.36	11/11/2023
230352	824433	PP0731	0.24	11/11/2023
230355	824442	PP0732	0.3	11/11/2023
230359	824452	PP0733	0.44	11/11/2023
230363	824461	PP0734	0.84	11/11/2023
230366	824470	PP0735	0.94	11/11/2023
230370	824480	PP0736	0.75	11/11/2023
230373	824489	PP0737	0.48	11/11/2023
230377	824499	PP0738	0.43	11/11/2023
230380	824508	PP0739	0.62	11/11/2023
230384	824517	PP0740	0.33	11/11/2023
230388	824527	PP0741	0.4	11/11/2023
230391	824536	PP0742	0.43	11/11/2023
230395	824545	PP0743	0.37	11/11/2023
230398	824555	PP0744	0.47	11/11/2023
230402	824564	PP0745	0.32	11/11/2023
230406	824573	PP0746	0.39	11/11/2023
230409	824583	PP0747	0.42	11/11/2023
230413	824592	PP0748	0.44	11/11/2023
230416	824601	PP0749	0.52	11/11/2023
230420	824611	PP0750	0.99	11/11/2023
230423	824620	PP0751	2	11/11/2023
230427	824629	PP0752	1.83	11/11/2023
230431	824639	PP0753	1.27	11/11/2023
230434	824648	PP0754	0.82	11/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230438	824657	PP0755	0.57	11/11/2023
230441	824667	PP0756	beyond dear fence	11/11/2023
230445	824676	PP0757	beyond dear fence	11/11/2023
230449	824685	PP0758	beyond dear fence	11/11/2023
230150	823881	PP0759	0.39	12/11/2023
230154	823890	PP0760	0.13	12/11/2023
230157	823899	PP0761	0.49	12/11/2023
230161	823909	PP0762	0.18	12/11/2023
230165	823918	PP0763	0.48	12/11/2023
230168	823927	PP0764	0.31	12/11/2023
230172	823937	PP0765	0.69	12/11/2023
230175	823946	PP0766	0.4	12/11/2023
230179	823955	PP0767	0.44	12/11/2023
230182	823965	PP0768	0.33	12/11/2023
230186	823974	PP0769	0.56	12/11/2023
230190	823983	PP0770	0.53	12/11/2023
230193	823993	PP0771	0.46	12/11/2023
230197	824002	PP0772	0.47	12/11/2023
230200	824011	PP0773	0.4	12/11/2023
230204	824021	PP0774	0.63	12/11/2023
230208	824030	PP0775	2.44	12/11/2023
230211	824039	PP0776	2.03	12/11/2023
230215	824049	PP0777	3.14	12/11/2023
230218	824058	PP0778	2.47	12/11/2023
230222	824067	PP0779	3.02	12/11/2023
230225	824077	PP0780	0.83	12/11/2023
230229	824086	PP0781	0.46	12/11/2023
230233	824095	PP0782	0.52	12/11/2023
230236	824105	PP0783	0.38	12/11/2023
230240	824114	PP0784	0.5	12/11/2023
230243	824123	PP0785	0.32	12/11/2023
230247	824133	PP0786	0.55	12/11/2023
230251	824142	PP0787	0.6	12/11/2023
230254	824151	PP0788	0.41	12/11/2023
230258	824161	PP0789	0.3	12/11/2023
230261	824170	PP0790	0.43	12/11/2023
230265	824179	PP0791	0.43	12/11/2023
230268	824189	PP0792	0.32	12/11/2023
230272	824198	PP0793	0.6	12/11/2023
230276	824207	PP0794	0.43	12/11/2023
230279	824217	PP0795	0.45	12/11/2023
230283	824226	PP0796	0.64	12/11/2023
230286	824235	PP0797	0.51	12/11/2023
230290	824245	PP0798	0.48	12/11/2023
230294	824254	PP0799	0.47	12/11/2023
230297	824263	PP0800	0.5	12/11/2023
230301	824273	PP0801	0.63	12/11/2023
230304	824282	PP0802	0.69	12/11/2023
230308	824291	PP0803	1.03	12/11/2023
230311	824301	PP0804	0.58	12/11/2023
230315	824310	PP0805	0.38	12/11/2023
230319	824319	PP0806	0.29	12/11/2023
230322	824329	PP0807	0.89	12/11/2023
230326	824338	PP0808	0.59	12/11/2023
230329	824347	PP0809	0.3	12/11/2023
230333	824357	PP0810	0.68	12/11/2023
230337	824366	PP0811	1.15	12/11/2023
230340	824375	PP0812	1.07	12/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230344	824385	PP0813	0.7	12/11/2023
230347	824394	PP0814	0.22	12/11/2023
230351	824403	PP0815	0.28	12/11/2023
230354	824413	PP0816	0.24	12/11/2023
230358	824422	PP0817	0.35	12/11/2023
230362	824431	PP0818	0.44	12/11/2023
230365	824441	PP0819	0.43	11/11/2023
230369	824450	PP0820	0.65	11/11/2023
230372	824459	PP0821	0.36	11/11/2023
230376	824469	PP0822	0.69	11/11/2023
230380	824478	PP0823	0.77	11/11/2023
230383	824488	PP0824	0.81	11/11/2023
230387	824497	PP0825	0.74	11/11/2023
230390	824506	PP0826	0.58	11/11/2023
230394	824516	PP0827	0.31	11/11/2023
230397	824525	PP0828	0.5	11/11/2023
230401	824534	PP0829	0.32	11/11/2023
230405	824544	PP0830	0.27	11/11/2023
230408	824553	PP0831	0.39	11/11/2023
230412	824562	PP0832	0.5	11/11/2023
230415	824572	PP0833	0.43	11/11/2023
230419	824581	PP0834	0.35	11/11/2023
230423	824590	PP0835	0.44	11/11/2023
230426	824600	PP0836	0.4	11/11/2023
230430	824609	PP0837	0.49	11/11/2023
230433	824618	PP0838	1.4	11/11/2023
230437	824628	PP0839	1.4	11/11/2023
230440	824637	PP0840	1.07	11/11/2023
230444	824646	PP0841	0.74	11/11/2023
230448	824656	PP0842	0.33	11/11/2023
230451	824665	PP0843	beyond dear fence	11/11/2023
230455	824674	PP0844	beyond dear fence	11/11/2023
230458	824684	PP0845	beyond dear fence	11/11/2023
230462	824693	PP0846	beyond dear fence	11/11/2023
230160	823879	PP0847	on track	12/11/2023
230164	823888	PP0848	0.53	12/11/2023
230167	823898	PP0849	0.2	12/11/2023
230171	823907	PP0850	0.44	12/11/2023
230174	823916	PP0851	0.49	12/11/2023
230178	823926	PP0852	0.4	12/11/2023
230182	823935	PP0853	0.35	12/11/2023
230185	823944	PP0854	0.39	12/11/2023
230189	823954	PP0855	0.34	12/11/2023
230192	823963	PP0856	0.46	12/11/2023
230196	823972	PP0857	0.68	12/11/2023
230199	823982	PP0858	0.41	12/11/2023
230203	823991	PP0859	0.62	12/11/2023
230207	824000	PP0860	0.35	12/11/2023
230210	824010	PP0861	0.5	12/11/2023
230214	824019	PP0862	0.37	12/11/2023
230217	824028	PP0863	2.09	12/11/2023
230221	824038	PP0864	1.35	12/11/2023
230225	824047	PP0865	1.89	12/11/2023
230228	824056	PP0866	0.75	12/11/2023
230232	824066	PP0867	2.59	12/11/2023
230235	824075	PP0868	2.38	12/11/2023
230239	824084	PP0869	0.4	12/11/2023
230242	824094	PP0870	0.51	12/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230246	824103	PP0871	0.33	12/11/2023
230250	824112	PP0872	0.43	12/11/2023
230253	824122	PP0873	0.54	12/11/2023
230257	824131	PP0874	0.18	12/11/2023
230260	824140	PP0875	0.34	12/11/2023
230264	824150	PP0876	0.36	12/11/2023
230268	824159	PP0877	0.5	12/11/2023
230271	824168	PP0878	0.37	12/11/2023
230275	824178	PP0879	0.26	12/11/2023
230278	824187	PP0880	0.52	12/11/2023
230282	824196	PP0881	0.34	12/11/2023
230285	824206	PP0882	0.23	12/11/2023
230289	824215	PP0883	0.19	12/11/2023
230293	824224	PP0884	0.36	12/11/2023
230296	824234	PP0885	0.31	12/11/2023
230300	824243	PP0886	0.82	12/11/2023
230303	824252	PP0887	0.59	12/11/2023
230307	824262	PP0888	0.56	12/11/2023
230311	824271	PP0889	0.55	12/11/2023
230314	824280	PP0890	0.74	12/11/2023
230318	824290	PP0891	0.87	12/11/2023
230321	824299	PP0892	0.45	12/11/2023
230325	824308	PP0893	0.45	12/11/2023
230328	824318	PP0894	0.3	12/11/2023
230332	824327	PP0895	0.89	12/11/2023
230336	824336	PP0896	0.42	21/11/2023
230339	824346	PP0897	0.35	21/11/2023
230343	824355	PP0898	0.68	21/11/2023
230346	824364	PP0899	1.72	21/11/2023
230350	824374	PP0900	1.29	21/11/2023
230354	824383	PP0901	1	21/11/2023
230357	824392	PP0902	0.28	21/11/2023
230361	824402	PP0903	0.2	21/11/2023
230364	824411	PP0904	0.36	21/11/2023
230368	824420	PP0905	0.35	21/11/2023
230371	824430	PP0906	0.57	21/11/2023
230375	824439	PP0907	0.27	21/11/2023
230379	824448	PP0908	0.33	21/11/2023
230382	824458	PP0909	0.33	21/11/2023
230386	824467	PP0910	0.49	21/11/2023
230389	824477	PP0911	0.34	21/11/2023
230393	824486	PP0912	0.83	21/11/2023
230397	824495	PP0913	0.68	21/11/2023
230400	824505	PP0914	0.45	21/11/2023
230404	824514	PP0915	0.28	21/11/2023
230407	824523	PP0916	0.22	21/11/2023
230411	824533	PP0917	0.45	21/11/2023
230414	824542	PP0918	0.33	21/11/2023
230418	824551	PP0919	0.71	21/11/2023
230422	824561	PP0920	0.54	21/11/2023
230425	824570	PP0921	0.4	21/11/2023
230429	824579	PP0922	0.53	21/11/2023
230432	824589	PP0923	0.35	21/11/2023
230436	824598	PP0924	0.52	21/11/2023
230440	824607	PP0925	0.55	21/11/2023
230443	824617	PP0926	0.96	21/11/2023
230447	824626	PP0927	0.82	21/11/2023
230450	824635	PP0928	0.94	21/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230454	824645	PP0929	0.99	21/11/2023
230457	824654	PP0930	1.04	21/11/2023
230461	824663	PP0931	beyond dear fence	21/11/2023
230465	824673	PP0932	beyond dear fence	21/11/2023
230468	824682	PP0933	beyond dear fence	21/11/2023
230472	824691	PP0934	beyond dear fence	21/11/2023
230475	824701	PP0935	beyond dear fence	21/11/2023
230173	823887	PP0936	0.34	14/11/2023
230177	823896	PP0937	0.48	14/11/2023
230181	823905	PP0938	0.34	14/11/2023
230184	823915	PP0939	0.51	14/11/2023
230188	823924	PP0940	0.35	14/11/2023
230191	823933	PP0941	0.33	14/11/2023
230195	823943	PP0942	0.35	14/11/2023
230199	823952	PP0943	0.36	14/11/2023
230202	823961	PP0944	0.26	14/11/2023
230206	823971	PP0945	0.63	14/11/2023
230209	823980	PP0946	0.34	14/11/2023
230213	823989	PP0947	0.39	14/11/2023
230216	823999	PP0948	0.25	14/11/2023
230220	824008	PP0949	0.34	14/11/2023
230224	824017	PP0950	0.19	14/11/2023
230227	824027	PP0951	2.24	14/11/2023
230231	824036	PP0952	1.2	14/11/2023
230234	824045	PP0953	0.62	14/11/2023
230238	824055	PP0954	0.45	14/11/2023
230242	824064	PP0955	1.13	14/11/2023
230245	824073	PP0956	2.7	14/11/2023
230249	824083	PP0957	2.92	14/11/2023
230252	824092	PP0958	0.5	14/11/2023
230256	824101	PP0959	0.47	14/11/2023
230259	824111	PP0960	0.36	14/11/2023
230263	824120	PP0961	1.04	14/11/2023
230267	824129	PP0962	0.67	14/11/2023
230270	824139	PP0963	0.43	14/11/2023
230274	824148	PP0964	0.59	14/11/2023
230277	824157	PP0965	0.28	14/11/2023
230281	824167	PP0966	0.18	14/11/2023
230285	824176	PP0967	0.19	14/11/2023
230288	824185	PP0968	0.39	14/11/2023
230292	824195	PP0969	0.69	14/11/2023
230295	824204	PP0970	0.19	14/11/2023
230299	824213	PP0971	0.49	14/11/2023
230303	824223	PP0972	0.36	14/11/2023
230306	824232	PP0973	0.54	14/11/2023
230310	824241	PP0974	0.42	14/11/2023
230313	824251	PP0975	0.74	14/11/2023
230317	824260	PP0976	0.87	14/11/2023
230320	824269	PP0977	0.87	14/11/2023
230324	824279	PP0978	0.68	14/11/2023
230328	824288	PP0979	0.57	14/11/2023
230331	824297	PP0980	0.35	14/11/2023
230335	824307	PP0981	0.22	14/11/2023
230338	824316	PP0982	0.53	14/11/2023
230342	824325	PP0983	0.63	14/11/2023
230346	824335	PP0984	0.59	14/11/2023
230349	824344	PP0985	0.44	21/11/2023
230353	824353	PP0986	0.77	21/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230356	824363	PP0987	1.4	21/11/2023
230360	824372	PP0988	1.83	21/11/2023
230363	824381	PP0989	0.79	21/11/2023
230367	824391	PP0990	0.33	21/11/2023
230371	824400	PP0991	0.25	21/11/2023
230374	824409	PP0992	0.47	21/11/2023
230378	824419	PP0993	0.33	21/11/2023
230381	824428	PP0994	0.38	21/11/2023
230385	824437	PP0995	0.32	21/11/2023
230389	824447	PP0996	0.46	21/11/2023
230392	824456	PP0997	0.5	21/11/2023
230396	824465	PP0998	0.37	21/11/2023
230399	824475	PP0999	0.27	21/11/2023
230403	824484	PP1000	0.61	21/11/2023
230406	824494	PP1001	0.47	21/11/2023
230410	824503	PP1002	0.56	21/11/2023
230414	824512	PP1003	0.2	21/11/2023
230417	824522	PP1004	0.43	21/11/2023
230421	824531	PP1005	0.36	21/11/2023
230424	824540	PP1006	0.39	21/11/2023
230428	824550	PP1007	0.39	21/11/2023
230432	824559	PP1008	0.31	21/11/2023
230435	824568	PP1009	0.21	21/11/2023
230439	824578	PP1010	0.4	21/11/2023
230442	824587	PP1011	0.41	21/11/2023
230446	824596	PP1012	0.49	21/11/2023
230449	824606	PP1013	0.5	21/11/2023
230453	824615	PP1014	0.99	21/11/2023
230457	824624	PP1015	0.55	21/11/2023
230460	824634	PP1016	0.96	21/11/2023
230464	824643	PP1017	1.6	21/11/2023
230467	824652	PP1018	1.39	21/11/2023
230471	824662	PP1019	beyond dear fence	21/11/2023
230475	824671	PP1020	beyond dear fence	21/11/2023
230478	824680	PP1021	beyond dear fence	21/11/2023
230482	824690	PP1022	beyond dear fence	21/11/2023
230485	824699	PP1023	beyond dear fence	21/11/2023
230489	824708	PP1024	beyond dear fence	21/11/2023
230183	823885	PP1025	0.3	14/11/2023
230187	823894	PP1026	0.45	14/11/2023
230191	823904	PP1027	0.3	14/11/2023
230194	823913	PP1028	0.47	14/11/2023
230198	823922	PP1029	0.17	14/11/2023
230201	823932	PP1030	0.26	14/11/2023
230205	823941	PP1031	0.22	14/11/2023
230208	823950	PP1032	0.35	14/11/2023
230212	823960	PP1033	0.4	14/11/2023
230216	823969	PP1034	0.57	14/11/2023
230219	823978	PP1035	0.31	14/11/2023
230223	823988	PP1036	0.4	14/11/2023
230226	823997	PP1037	0.26	14/11/2023
230230	824006	PP1038	0.33	14/11/2023
230234	824016	PP1039	0.19	14/11/2023
230237	824025	PP1040	1.8	14/11/2023
230241	824034	PP1041	1.46	14/11/2023
230244	824044	PP1042	0.85	14/11/2023
230248	824053	PP1043	0.46	14/11/2023
230251	824062	PP1044	0.4	14/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230255	824072	PP1045	0.82	14/11/2023
230259	824081	PP1046	2.59	14/11/2023
230262	824090	PP1047	1.06	14/11/2023
230266	824100	PP1048	0.77	14/11/2023
230269	824109	PP1049	0.58	14/11/2023
230273	824118	PP1050	0.33	14/11/2023
230277	824128	PP1051	0.37	14/11/2023
230280	824137	PP1052	0.2	14/11/2023
230284	824146	PP1053	0.43	14/11/2023
230287	824156	PP1054	0.46	14/11/2023
230291	824165	PP1055	0.45	14/11/2023
230294	824174	PP1056	0.33	14/11/2023
230298	824184	PP1057	0.29	14/11/2023
230302	824193	PP1058	0.38	14/11/2023
230305	824202	PP1059	0.31	14/11/2023
230309	824212	PP1060	0.56	14/11/2023
230312	824221	PP1061	0.22	14/11/2023
230316	824230	PP1062	0.44	14/11/2023
230320	824240	PP1063	0.38	14/11/2023
230323	824249	PP1064	0.15	14/11/2023
230327	824258	PP1065	0.65	14/11/2023
230330	824268	PP1066	0.95	14/11/2023
230334	824277	PP1067	0.52	14/11/2023
230337	824286	PP1068	0.35	14/11/2023
230341	824296	PP1069	0.45	14/11/2023
230345	824305	PP1070	0.28	14/11/2023
230348	824314	PP1071	0.49	14/11/2023
230352	824324	PP1072	0.86	21/11/2023
230355	824333	PP1073	0.49	21/11/2023
230359	824342	PP1074	0.38	21/11/2023
230363	824352	PP1075	1.07	21/11/2023
230366	824361	PP1076	1.33	21/11/2023
230370	824370	PP1077	1.38	21/11/2023
230373	824380	PP1078	0.68	21/11/2023
230377	824389	PP1079	0.29	21/11/2023
230380	824398	PP1080	0.58	21/11/2023
230384	824408	PP1081	0.35	21/11/2023
230388	824417	PP1082	0.48	21/11/2023
230391	824426	PP1083	0.25	21/11/2023
230395	824436	PP1084	0.42	21/11/2023
230398	824445	PP1085	0.49	21/11/2023
230402	824454	PP1086	0.42	21/11/2023
230406	824464	PP1087	0.45	21/11/2023
230409	824473	PP1088	0.27	21/11/2023
230413	824483	PP1089	0.34	21/11/2023
230416	824492	PP1090	0.53	21/11/2023
230420	824501	PP1091	0.42	21/11/2023
230423	824511	PP1092	0.27	21/11/2023
230427	824520	PP1093	0.27	21/11/2023
230431	824529	PP1094	0.49	21/11/2023
230434	824539	PP1095	0.57	21/11/2023
230438	824548	PP1096	0.65	21/11/2023
230441	824557	PP1097	0.53	21/11/2023
230445	824567	PP1098	0.49	21/11/2023
230449	824576	PP1099	0.47	21/11/2023
230452	824585	PP1100	0.82	21/11/2023
230456	824595	PP1101	0.91	21/11/2023
230459	824604	PP1102	0.8	21/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230463	824613	PP1103	0.63	21/11/2023
230466	824623	PP1104	1.15	21/11/2023
230470	824632	PP1105	1.6	21/11/2023
230474	824641	PP1106	1.71	21/11/2023
230477	824651	PP1107	1.6	21/11/2023
230481	824660	PP1108	1	21/11/2023
230484	824669	PP1109	beyond dear fence	21/11/2023
230488	824679	PP1110	beyond dear fence	21/11/2023
230492	824688	PP1111	beyond dear fence	21/11/2023
230495	824697	PP1112	beyond dear fence	21/11/2023
230499	824707	PP1113	beyond dear fence	21/11/2023
230502	824716	PP1114	beyond dear fence	21/11/2023
230193	823883	PP1115	on track	15/11/2023
230197	823893	PP1116	on track	15/11/2023
230200	823902	PP1117	0.05	15/11/2023
230204	823911	PP1118	0.1	15/11/2023
230208	823921	PP1119	0.29	15/11/2023
230211	823930	PP1120	0.19	15/11/2023
230215	823939	PP1121	0.24	15/11/2023
230218	823949	PP1122	0.14	15/11/2023
230222	823958	PP1123	0.33	15/11/2023
230225	823967	PP1124	0.27	15/11/2023
230229	823977	PP1125	0.36	15/11/2023
230233	823986	PP1126	0.53	15/11/2023
230236	823995	PP1127	0.42	15/11/2023
230240	824005	PP1128	0.36	15/11/2023
230243	824014	PP1129	0.26	15/11/2023
230247	824023	PP1130	0.87	15/11/2023
230251	824033	PP1131	1.37	15/11/2023
230254	824042	PP1132	0.64	15/11/2023
230258	824051	PP1133	0.39	15/11/2023
230261	824061	PP1134	0.73	15/11/2023
230265	824070	PP1135	0.5	15/11/2023
230268	824079	PP1136	1.85	15/11/2023
230272	824089	PP1137	2.05	15/11/2023
230276	824098	PP1138	0.72	15/11/2023
230279	824107	PP1139	0.29	15/11/2023
230283	824117	PP1140	0.33	15/11/2023
230286	824126	PP1141	0.79	15/11/2023
230290	824135	PP1142	0.62	15/11/2023
230294	824145	PP1143	0.47	15/11/2023
230297	824154	PP1144	0.82	15/11/2023
230301	824163	PP1145	0.49	15/11/2023
230304	824173	PP1146	0.49	15/11/2023
230308	824182	PP1147	0.54	15/11/2023
230311	824191	PP1148	0.19	15/11/2023
230315	824201	PP1149	0.34	15/11/2023
230319	824210	PP1150	0.45	15/11/2023
230322	824219	PP1151	0.44	15/11/2023
230326	824229	PP1152	0.19	15/11/2023
230329	824238	PP1153	0.53	15/11/2023
230333	824247	PP1154	0.36	15/11/2023
230337	824257	PP1155	0.34	15/11/2023
230340	824266	PP1156	0.33	15/11/2023
230344	824275	PP1157	0.35	15/11/2023
230347	824285	PP1158	0.31	15/11/2023
230351	824294	PP1159	0.34	15/11/2023
230354	824303	PP1160	0.58	21/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230358	824313	PP1161	0.47	21/11/2023
230362	824322	PP1162	0.34	21/11/2023
230365	824331	PP1163	0.73	21/11/2023
230369	824341	PP1164	0.53	21/11/2023
230372	824350	PP1165	0.48	21/11/2023
230376	824359	PP1166	1.48	21/11/2023
230380	824369	PP1167	1.78	21/11/2023
230383	824378	PP1168	1.36	21/11/2023
230387	824387	PP1169	0.73	21/11/2023
230390	824397	PP1170	0.24	21/11/2023
230394	824406	PP1171	0.38	21/11/2023
230397	824415	PP1172	0.33	21/11/2023
230401	824425	PP1173	0.24	21/11/2023
230405	824434	PP1174	0.38	21/11/2023
230408	824443	PP1175	0.48	21/11/2023
230412	824453	PP1176	0.3	21/11/2023
230415	824462	PP1177	0.22	21/11/2023
230419	824472	PP1178	0.31	21/11/2023
230423	824481	PP1179	0.24	21/11/2023
230426	824490	PP1180	0.32	21/11/2023
230430	824500	PP1181	0.47	21/11/2023
230433	824509	PP1182	0.39	21/11/2023
230437	824518	PP1183	0.5	21/11/2023
230440	824528	PP1184	0.6	21/11/2023
230444	824537	PP1185	0.98	21/11/2023
230448	824546	PP1186	1.42	21/11/2023
230451	824556	PP1187	1.4	21/11/2023
230455	824565	PP1188	1.19	21/11/2023
230458	824574	PP1189	1.02	21/11/2023
230462	824584	PP1190	1.02	21/11/2023
230466	824593	PP1191	1.32	21/11/2023
230469	824602	PP1192	1	21/11/2023
230473	824612	PP1193	1.42	21/11/2023
230476	824621	PP1194	1.63	21/11/2023
230480	824630	PP1195	1.32	21/11/2023
230483	824640	PP1196	0.63	21/11/2023
230487	824649	PP1197	1.07	21/11/2023
230491	824658	PP1198	0.74	21/11/2023
230494	824668	PP1199	0.32	21/11/2023
230498	824677	PP1200	beyond dear fence	21/11/2023
230501	824686	PP1201	beyond dear fence	21/11/2023
230505	824696	PP1202	beyond dear fence	21/11/2023
230509	824705	PP1203	beyond dear fence	21/11/2023
230512	824714	PP1204	beyond dear fence	21/11/2023
230516	824724	PP1205	beyond dear fence	21/11/2023
230203	823882	PP1206	on track	15/11/2023
230207	823891	PP1207	0.45	15/11/2023
230210	823900	PP1208	0.24	15/11/2023
230214	823910	PP1209	0.08	15/11/2023
230217	823919	PP1210	0.27	15/11/2023
230221	823928	PP1211	0.29	15/11/2023
230225	823938	PP1212	0.45	15/11/2023
230228	823947	PP1213	0.4	15/11/2023
230232	823956	PP1214	0.24	15/11/2023
230235	823966	PP1215	0.36	15/11/2023
230239	823975	PP1216	0.6	15/11/2023
230242	823984	PP1217	0.75	15/11/2023
230246	823994	PP1218	0.54	15/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230250	824003	PP1219	0.3	15/11/2023
230253	824012	PP1220	0.28	15/11/2023
230257	824022	PP1221	0.48	15/11/2023
230260	824031	PP1222	1.55	15/11/2023
230264	824040	PP1223	0.73	15/11/2023
230268	824050	PP1224	0.63	15/11/2023
230271	824059	PP1225	0.52	15/11/2023
230275	824068	PP1226	0.59	15/11/2023
230278	824078	PP1227	1.95	15/11/2023
230282	824087	PP1228	2.45	15/11/2023
230285	824096	PP1229	0.84	15/11/2023
230289	824106	PP1230	0.58	15/11/2023
230293	824115	PP1231	0.44	15/11/2023
230296	824124	PP1232	0.78	15/11/2023
230300	824134	PP1233	0.63	15/11/2023
230303	824143	PP1234	0.5	15/11/2023
230307	824152	PP1235	0.74	15/11/2023
230311	824162	PP1236	0.34	15/11/2023
230314	824171	PP1237	0.36	15/11/2023
230318	824180	PP1238	0.16	15/11/2023
230321	824190	PP1239	0.71	15/11/2023
230325	824199	PP1240	0.71	15/11/2023
230328	824208	PP1241	0.58	15/11/2023
230332	824218	PP1242	0.49	15/11/2023
230336	824227	PP1243	0.36	15/11/2023
230339	824236	PP1244	0.29	15/11/2023
230343	824246	PP1245	0.56	15/11/2023
230346	824255	PP1246	0.62	15/11/2023
230350	824264	PP1247	0.38	15/11/2023
230354	824274	PP1248	0.49	15/11/2023
230357	824283	PP1249	0.34	15/11/2023
230361	824292	PP1250	0.68	15/11/2023
230364	824302	PP1251	0.45	15/11/2023
230368	824311	PP1252	1.02	15/11/2023
230372	824320	PP1253	0.68	15/11/2023
230375	824330	PP1254	0.46	15/11/2023
230379	824339	PP1255	0.35	15/11/2023
230382	824348	PP1256	0.69	15/11/2023
230386	824358	PP1257	0.85	15/11/2023
230389	824367	PP1258	1.62	15/11/2023
230393	824376	PP1259	1.2	15/11/2023
230397	824386	PP1260	1.02	15/11/2023
230400	824395	PP1261	0.42	15/11/2023
230404	824404	PP1262	0.28	15/11/2023
230407	824414	PP1263	0.27	15/11/2023
230411	824423	PP1264	0.38	15/11/2023
230415	824432	PP1265	0.44	21/11/2023
230418	824442	PP1266	0.62	21/11/2023
230422	824451	PP1267	0.41	21/11/2023
230425	824461	PP1268	0.36	21/11/2023
230429	824470	PP1269	0.37	21/11/2023
230432	824479	PP1270	0.31	21/11/2023
230436	824489	PP1271	0.57	21/11/2023
230440	824498	PP1272	0.63	21/11/2023
230443	824507	PP1273	1.31	21/11/2023
230447	824517	PP1274	1.61	21/11/2023
230450	824526	PP1275	1.98	21/11/2023
230454	824535	PP1276	1.53	21/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230458	824545	PP1277	1.72	21/11/2023
230461	824554	PP1278	1.83	21/11/2023
230465	824563	PP1279	1.71	21/11/2023
230468	824573	PP1280	1.92	21/11/2023
230472	824582	PP1281	1.83	21/11/2023
230475	824591	PP1282	1.27	21/11/2023
230479	824601	PP1283	0.98	21/11/2023
230483	824610	PP1284	0.99	21/11/2023
230486	824619	PP1285	1.38	21/11/2023
230490	824629	PP1286	1.12	21/11/2023
230493	824638	PP1287	0.81	21/11/2023
230497	824647	PP1288	0.43	21/11/2023
230501	824657	PP1289	0.69	21/11/2023
230504	824666	PP1290	0.79	21/11/2023
230508	824675	PP1291	beyond dear fence	21/11/2023
230511	824685	PP1292	beyond dear fence	21/11/2023
230515	824694	PP1293	beyond dear fence	21/11/2023
230518	824703	PP1294	beyond dear fence	21/11/2023
230522	824713	PP1295	beyond dear fence	21/11/2023
230526	824722	PP1296	beyond dear fence	21/11/2023
230529	824731	PP1297	beyond dear fence	21/11/2023
230213	823880	PP1298	on track	15/11/2023
230217	823889	PP1299	0.05	15/11/2023
230220	823899	PP1300	0.41	15/11/2023
230224	823908	PP1301	0.34	15/11/2023
230227	823917	PP1302	0.81	15/11/2023
230231	823927	PP1303	0.75	15/11/2023
230234	823936	PP1304	0.61	15/11/2023
230238	823945	PP1305	0.64	15/11/2023
230242	823955	PP1306	0.95	15/11/2023
230245	823964	PP1307	0.41	15/11/2023
230249	823973	PP1308	0.21	15/11/2023
230252	823983	PP1309	0.76	15/11/2023
230256	823992	PP1310	0.81	15/11/2023
230260	824001	PP1311	0.52	15/11/2023
230263	824011	PP1312	1.82	15/11/2023
230267	824020	PP1313	1.87	15/11/2023
230270	824029	PP1314	1.63	15/11/2023
230274	824039	PP1315	0.75	15/11/2023
230277	824048	PP1316	0.48	15/11/2023
230281	824057	PP1317	0.51	15/11/2023
230285	824067	PP1318	0.57	15/11/2023
230288	824076	PP1319	1.64	15/11/2023
230292	824085	PP1320	0.95	15/11/2023
230295	824095	PP1321	0.98	15/11/2023
230299	824104	PP1322	0.83	15/11/2023
230303	824113	PP1323	0.67	15/11/2023
230306	824123	PP1324	0.5	15/11/2023
230310	824132	PP1325	0.69	15/11/2023
230313	824141	PP1326	0.42	15/11/2023
230317	824151	PP1327	0.9	15/11/2023
230320	824160	PP1328	0.47	15/11/2023
230324	824169	PP1329	0.39	15/11/2023
230328	824179	PP1330	0.72	15/11/2023
230331	824188	PP1331	0.54	15/11/2023
230335	824197	PP1332	0.4	15/11/2023
230338	824207	PP1333	0.67	15/11/2023
230342	824216	PP1334	0.74	15/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230346	824225	PP1335	0.6	15/11/2023
230349	824235	PP1336	0.84	15/11/2023
230353	824244	PP1337	0.46	15/11/2023
230356	824253	PP1338	0.85	15/11/2023
230360	824263	PP1339	0.73	15/11/2023
230363	824272	PP1340	0.83	15/11/2023
230367	824281	PP1341	0.4	15/11/2023
230371	824291	PP1342	0.23	15/11/2023
230374	824300	PP1343	1.15	15/11/2023
230378	824309	PP1344	0.75	15/11/2023
230381	824319	PP1345	0.25	15/11/2023
230385	824328	PP1346	0.95	15/11/2023
230389	824337	PP1347	1.2	15/11/2023
230392	824347	PP1348	1.87	15/11/2023
230396	824356	PP1349	1.9	15/11/2023
230399	824365	PP1350	1.53	15/11/2023
230403	824375	PP1351	1.23	15/11/2023
230406	824384	PP1352	1	15/11/2023
230410	824393	PP1353	0.74	15/11/2023
230414	824403	PP1354	1.12	15/11/2023
230417	824412	PP1355	1.03	15/11/2023
230421	824421	PP1356	0.87	15/11/2023
230424	824431	PP1357	0.8	22/11/2023
230428	824440	PP1358	0.76	22/11/2023
230432	824450	PP1359	0.77	22/11/2023
230435	824459	PP1360	0.76	22/11/2023
230439	824468	PP1361	0.47	22/11/2023
230442	824478	PP1362	0.56	22/11/2023
230446	824487	PP1363	0.37	22/11/2023
230449	824496	PP1364	0.58	22/11/2023
230453	824506	PP1365	2.19	22/11/2023
230457	824515	PP1366	2.02	22/11/2023
230460	824524	PP1367	2.19	22/11/2023
230464	824534	PP1368	1.9	22/11/2023
230467	824543	PP1369	1.9	22/11/2023
230471	824552	PP1370	1.66	22/11/2023
230475	824562	PP1371	1.97	22/11/2023
230478	824571	PP1372	2.02	22/11/2023
230482	824580	PP1373	1.95	22/11/2023
230485	824590	PP1374	1.61	22/11/2023
230489	824599	PP1375	1.45	22/11/2023
230492	824608	PP1376	1.28	22/11/2023
230496	824618	PP1377	1.2	22/11/2023
230500	824627	PP1378	0.59	22/11/2023
230503	824636	PP1379	0.26	22/11/2023
230507	824646	PP1380	0.53	22/11/2023
230510	824655	PP1381	0.42	22/11/2023
230514	824664	PP1382	1.95	22/11/2023
230518	824674	PP1383	beyond dear fence	22/11/2023
230521	824683	PP1384	beyond dear fence	22/11/2023
230525	824692	PP1385	beyond dear fence	22/11/2023
230528	824702	PP1386	beyond dear fence	22/11/2023
230532	824711	PP1387	beyond dear fence	22/11/2023
230535	824720	PP1388	beyond dear fence	22/11/2023
230539	824730	PP1389	beyond dear fence	22/11/2023
230543	824739	PP1390	beyond dear fence	22/11/2023
230226	823888	PP1391	on track	15/11/2023
230230	823897	PP1392	0.27	15/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230234	823906	PP1393	0.22	15/11/2023
230237	823916	PP1394	0.52	15/11/2023
230241	823925	PP1395	0.22	15/11/2023
230244	823934	PP1396	0.13	15/11/2023
230248	823944	PP1397	0.83	15/11/2023
230251	823953	PP1398	0.43	15/11/2023
230255	823962	PP1399	0.71	15/11/2023
230259	823972	PP1400	0.42	15/11/2023
230262	823981	PP1401	0.48	15/11/2023
230266	823990	PP1402	0.39	15/11/2023
230269	824000	PP1403	0.18	15/11/2023
230273	824009	PP1404	1.63	15/11/2023
230277	824018	PP1405	0.77	15/11/2023
230280	824028	PP1406	0.57	15/11/2023
230284	824037	PP1407	0.84	15/11/2023
230287	824046	PP1408	0.64	15/11/2023
230291	824056	PP1409	0.54	15/11/2023
230294	824065	PP1410	0.43	15/11/2023
230298	824074	PP1411	0.64	15/11/2023
230302	824084	PP1412	2.28	15/11/2023
230305	824093	PP1413	0.84	15/11/2023
230309	824102	PP1414	0.62	15/11/2023
230312	824112	PP1415	0.83	15/11/2023
230316	824121	PP1416	0.89	15/11/2023
230320	824130	PP1417	1.09	15/11/2023
230323	824140	PP1418	0.82	15/11/2023
230327	824149	PP1419	1.1	15/11/2023
230330	824158	PP1420	0.95	15/11/2023
230334	824168	PP1421	0.68	15/11/2023
230337	824177	PP1422	0.22	15/11/2023
230341	824186	PP1423	0.49	15/11/2023
230345	824196	PP1424	0.53	15/11/2023
230348	824205	PP1425	0.44	15/11/2023
230352	824214	PP1426	0.62	15/11/2023
230355	824224	PP1427	0.4	15/11/2023
230359	824233	PP1428	0.45	15/11/2023
230363	824242	PP1429	0.37	15/11/2023
230366	824252	PP1430	0.39	15/11/2023
230370	824261	PP1431	0.81	15/11/2023
230373	824270	PP1432	0.52	15/11/2023
230377	824280	PP1433	0.29	15/11/2023
230380	824289	PP1434	0.41	15/11/2023
230384	824298	PP1435	0.05	15/11/2023
230388	824308	PP1436	0.79	15/11/2023
230391	824317	PP1437	0.23	15/11/2023
230395	824326	PP1438	0.48	15/11/2023
230398	824336	PP1439	1.63	15/11/2023
230402	824345	PP1440	1	15/11/2023
230406	824354	PP1441	0.51	15/11/2023
230409	824364	PP1442	1.07	15/11/2023
230413	824373	PP1443	0.2	15/11/2023
230416	824382	PP1444	0.39	15/11/2023
230420	824392	PP1445	0.58	15/11/2023
230423	824401	PP1446	0.84	15/11/2023
230427	824410	PP1447	1.63	15/11/2023
230431	824420	PP1448	1.46	15/11/2023
230434	824429	PP1449	1.52	22/11/2023
230438	824438	PP1450	1.63	22/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230441	824448	PP1451	0.83	22/11/2023
230445	824457	PP1452	0.98	22/11/2023
230449	824467	PP1453	0.89	22/11/2023
230452	824476	PP1454	0.77	22/11/2023
230456	824485	PP1455	0.46	22/11/2023
230459	824495	PP1456	0.43	22/11/2023
230463	824504	PP1457	0.73	22/11/2023
230466	824513	PP1458	0.36	22/11/2023
230470	824523	PP1459	0.37	22/11/2023
230474	824532	PP1460	0.27	22/11/2023
230477	824541	PP1461	1.26	22/11/2023
230481	824551	PP1462	2.03	22/11/2023
230484	824560	PP1463	1.84	22/11/2023
230488	824569	PP1464	1.9	22/11/2023
230492	824579	PP1465	1.76	22/11/2023
230495	824588	PP1466	1.27	22/11/2023
230499	824597	PP1467	0.36	22/11/2023
230502	824607	PP1468	1.12	22/11/2023
230506	824616	PP1469	0.78	22/11/2023
230509	824625	PP1470	0.25	22/11/2023
230513	824635	PP1471	0.18	22/11/2023
230517	824644	PP1472	0.27	22/11/2023
230520	824653	PP1473	0.3	22/11/2023
230524	824663	PP1474	0.36	22/11/2023
230527	824672	PP1475	beyond dear fence	22/11/2023
230531	824681	PP1476	beyond dear fence	22/11/2023
230535	824691	PP1477	beyond dear fence	22/11/2023
230538	824700	PP1478	beyond dear fence	22/11/2023
230542	824709	PP1479	beyond dear fence	22/11/2023
230545	824719	PP1480	beyond dear fence	22/11/2023
230549	824728	PP1481	beyond dear fence	22/11/2023
230552	824737	PP1482	beyond dear fence	22/11/2023
230240	823895	PP1483	0.45	16/11/2023
230243	823905	PP1484	0.38	16/11/2023
230247	823914	PP1485	0.37	16/11/2023
230251	823923	PP1486	0.28	16/11/2023
230254	823933	PP1487	0.21	16/11/2023
230258	823942	PP1488	0.75	16/11/2023
230261	823951	PP1489	0.41	16/11/2023
230265	823961	PP1490	0.31	16/11/2023
230268	823970	PP1491	0.53	16/11/2023
230272	823979	PP1492	0.62	16/11/2023
230276	823989	PP1493	0.98	16/11/2023
230279	823998	PP1494	1.14	16/11/2023
230283	824007	PP1495	0.77	16/11/2023
230286	824017	PP1496	0.11	16/11/2023
230290	824026	PP1497	0.49	16/11/2023
230294	824035	PP1498	0.58	16/11/2023
230297	824045	PP1499	0.62	16/11/2023
230301	824054	PP1500	0.25	16/11/2023
230304	824063	PP1501	0.57	16/11/2023
230308	824073	PP1502	2	16/11/2023
230311	824082	PP1503	1.79	16/11/2023
230315	824091	PP1504	0.69	16/11/2023
230319	824101	PP1505	0.28	16/11/2023
230322	824110	PP1506	0.93	16/11/2023
230326	824119	PP1507	0.71	16/11/2023
230329	824129	PP1508	1.24	16/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230333	824138	PP1509	1.16	16/11/2023
230337	824147	PP1510	1.7	16/11/2023
230340	824157	PP1511	1.53	16/11/2023
230344	824166	PP1512	0.62	16/11/2023
230347	824175	PP1513	0.66	16/11/2023
230351	824185	PP1514	0.47	16/11/2023
230354	824194	PP1515	0.33	16/11/2023
230358	824203	PP1516	0.48	16/11/2023
230362	824213	PP1517	0.52	16/11/2023
230365	824222	PP1518	0.43	16/11/2023
230369	824231	PP1519	0.58	16/11/2023
230372	824241	PP1520	1.09	16/11/2023
230376	824250	PP1521	0.45	16/11/2023
230380	824259	PP1522	0.67	16/11/2023
230383	824269	PP1523	0.39	16/11/2023
230387	824278	PP1524	0.61	16/11/2023
230390	824287	PP1525	0.88	16/11/2023
230394	824297	PP1526	0.82	16/11/2023
230398	824306	PP1527	1.31	16/11/2023
230401	824315	PP1528	0.74	16/11/2023
230405	824325	PP1529	0.66	16/11/2023
230408	824334	PP1530	0.71	16/11/2023
230412	824343	PP1531	0.12	16/11/2023
230415	824353	PP1532	0.19	16/11/2023
230419	824362	PP1533	0.55	16/11/2023
230423	824371	PP1534	0.2	16/11/2023
230426	824381	PP1535	0.13	16/11/2023
230430	824390	PP1536	0.71	16/11/2023
230433	824399	PP1537	1.23	16/11/2023
230437	824409	PP1538	1.44	16/11/2023
230441	824418	PP1539	1.68	16/11/2023
230444	824427	PP1540	0.8	22/11/2023
230448	824437	PP1541	1.75	22/11/2023
230451	824446	PP1542	1.63	22/11/2023
230455	824456	PP1543	1.1	22/11/2023
230458	824465	PP1544	0.73	22/11/2023
230462	824474	PP1545	0.79	22/11/2023
230466	824484	PP1546	0.41	22/11/2023
230469	824493	PP1547	0.17	22/11/2023
230473	824502	PP1548	0.29	22/11/2023
230476	824512	PP1549	0.3	22/11/2023
230480	824521	PP1550	0.31	22/11/2023
230484	824530	PP1551	0.15	22/11/2023
230487	824540	PP1552	0.72	22/11/2023
230491	824549	PP1553	0.26	22/11/2023
230494	824558	PP1554	0.16	22/11/2023
230498	824568	PP1555	0.22	22/11/2023
230501	824577	PP1556	0.84	22/11/2023
230505	824586	PP1557	0.64	22/11/2023
230509	824596	PP1558	1.33	22/11/2023
230512	824605	PP1559	0.94	22/11/2023
230516	824614	PP1560	0.85	22/11/2023
230519	824624	PP1561	0.29	22/11/2023
230523	824633	PP1562	0.25	22/11/2023
230527	824642	PP1563	0.29	22/11/2023
230530	824652	PP1564	0.37	22/11/2023
230534	824661	PP1565	0.41	22/11/2023
230537	824670	PP1566	0.29	22/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230541	824680	PP1567	beyond dear fence	22/11/2023
230544	824689	PP1568	beyond dear fence	22/11/2023
230548	824698	PP1569	beyond dear fence	22/11/2023
230552	824708	PP1570	beyond dear fence	22/11/2023
230555	824717	PP1571	beyond dear fence	22/11/2023
230559	824726	PP1572	beyond dear fence	22/11/2023
230562	824736	PP1573	beyond dear fence	22/11/2023
230566	824745	PP1574	beyond dear fence	22/11/2023
230253	823903	PP1575	0.22	16/11/2023
230257	823912	PP1576	0.05	16/11/2023
230260	823922	PP1577	0.1	16/11/2023
230264	823931	PP1578	0.46	16/11/2023
230268	823940	PP1579	0.55	16/11/2023
230271	823950	PP1580	0.33	16/11/2023
230275	823959	PP1581	0.72	16/11/2023
230278	823968	PP1582	0.71	16/11/2023
230282	823978	PP1583	0.3	16/11/2023
230286	823987	PP1584	0.56	16/11/2023
230289	823996	PP1585	2.16	16/11/2023
230293	824006	PP1586	1.57	16/11/2023
230296	824015	PP1587	1.22	16/11/2023
230300	824024	PP1588	0.41	16/11/2023
230303	824034	PP1589	0.39	16/11/2023
230307	824043	PP1590	0.19	16/11/2023
230311	824052	PP1591	0.44	16/11/2023
230314	824062	PP1592	0.63	16/11/2023
230318	824071	PP1593	1.11	16/11/2023
230321	824080	PP1594	3.01	16/11/2023
230325	824090	PP1595	0.74	16/11/2023
230329	824099	PP1596	0.68	16/11/2023
230332	824108	PP1597	0.24	16/11/2023
230336	824118	PP1598	1.07	16/11/2023
230339	824127	PP1599	0.91	16/11/2023
230343	824136	PP1600	1.18	16/11/2023
230346	824146	PP1601	1.81	16/11/2023
230350	824155	PP1602	1.33	16/11/2023
230354	824164	PP1603	2.04	16/11/2023
230357	824174	PP1604	1.81	16/11/2023
230361	824183	PP1605	0.95	16/11/2023
230364	824192	PP1606	1.03	16/11/2023
230368	824202	PP1607	0.41	16/11/2023
230372	824211	PP1608	0.49	16/11/2023
230375	824220	PP1609	0.28	16/11/2023
230379	824230	PP1610	0.52	16/11/2023
230382	824239	PP1611	0.44	16/11/2023
230386	824248	PP1612	0.63	16/11/2023
230389	824258	PP1613	0.27	16/11/2023
230393	824267	PP1614	0.51	16/11/2023
230397	824276	PP1615	0.17	16/11/2023
230400	824286	PP1616	0.15	16/11/2023
230404	824295	PP1617	0.38	16/11/2023
230407	824304	PP1618	1.14	16/11/2023
230411	824314	PP1619	1.34	16/11/2023
230415	824323	PP1620	0.21	16/11/2023
230418	824332	PP1621	0.14	16/11/2023
230422	824342	PP1622	0.26	16/11/2023
230425	824351	PP1623	0.1	16/11/2023
230429	824360	PP1624	0.32	16/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230432	824370	PP1625	0.34	16/11/2023
230436	824379	PP1626	0.4	16/11/2023
230440	824388	PP1627	0.18	16/11/2023
230443	824398	PP1628	0.49	16/11/2023
230447	824407	PP1629	0.14	16/11/2023
230450	824416	PP1630	0.09	16/11/2023
230454	824426	PP1631	0.4	22/11/2023
230458	824435	PP1632	0.22	22/11/2023
230461	824445	PP1633	1.45	22/11/2023
230465	824454	PP1634	0.88	22/11/2023
230468	824463	PP1635	0.4	22/11/2023
230472	824473	PP1636	0.59	22/11/2023
230475	824482	PP1637	0.49	22/11/2023
230479	824491	PP1638	0.44	22/11/2023
230483	824501	PP1639	0.3	22/11/2023
230486	824510	PP1640	0.38	22/11/2023
230490	824519	PP1641	0.15	22/11/2023
230493	824529	PP1642	0.45	22/11/2023
230497	824538	PP1643	0.75	22/11/2023
230501	824547	PP1644	0.69	22/11/2023
230504	824557	PP1645	0.46	22/11/2023
230508	824566	PP1646	0.64	22/11/2023
230511	824575	PP1647	0.16	22/11/2023
230515	824585	PP1648	0.4	22/11/2023
230518	824594	PP1649	0.05	22/11/2023
230522	824603	PP1650	0.41	22/11/2023
230526	824613	PP1651	0.4	22/11/2023
230529	824622	PP1652	0.32	22/11/2023
230533	824631	PP1653	0.23	22/11/2023
230536	824641	PP1654	0.43	22/11/2023
230540	824650	PP1655	0.56	22/11/2023
230544	824659	PP1656	0.11	22/11/2023
230547	824669	PP1657	0.27	22/11/2023
230551	824678	PP1658	beyond dear fence	22/11/2023
230554	824687	PP1659	beyond dear fence	22/11/2023
230558	824697	PP1660	beyond dear fence	22/11/2023
230561	824706	PP1661	beyond dear fence	22/11/2023
230565	824715	PP1662	beyond dear fence	22/11/2023
230569	824725	PP1663	beyond dear fence	22/11/2023
230572	824734	PP1664	beyond dear fence	22/11/2023
230576	824743	PP1665	beyond dear fence	22/11/2023
230579	824753	PP1666	beyond dear fence	22/11/2023
230263	823901	PP1667	on track	16/11/2023
230267	823911	PP1668	0.1	16/11/2023
230270	823920	PP1669	0.42	16/11/2023
230274	823929	PP1670	0.52	16/11/2023
230277	823939	PP1671	0.66	16/11/2023
230281	823948	PP1672	0.33	16/11/2023
230285	823957	PP1673	0.47	16/11/2023
230288	823967	PP1674	0.17	16/11/2023
230292	823976	PP1675	0.52	16/11/2023
230295	823985	PP1676	1	16/11/2023
230299	823995	PP1677	0.84	16/11/2023
230303	824004	PP1678	0.62	16/11/2023
230306	824013	PP1679	0.88	16/11/2023
230310	824023	PP1680	0.45	16/11/2023
230313	824032	PP1681	0.28	16/11/2023
230317	824041	PP1682	0.44	16/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230320	824051	PP1683	0.32	16/11/2023
230324	824060	PP1684	0.21	16/11/2023
230328	824069	PP1685	1.57	16/11/2023
230331	824079	PP1686	0.34	16/11/2023
230335	824088	PP1687	1.01	16/11/2023
230338	824097	PP1688	0.52	16/11/2023
230342	824107	PP1689	0.9	16/11/2023
230346	824116	PP1690	1.05	16/11/2023
230349	824125	PP1691	0.23	16/11/2023
230353	824135	PP1692	1.75	16/11/2023
230356	824144	PP1693	1.91	16/11/2023
230360	824153	PP1694	1.9	16/11/2023
230363	824163	PP1695	1.82	16/11/2023
230367	824172	PP1696	2.11	16/11/2023
230371	824181	PP1697	1.92	16/11/2023
230374	824191	PP1698	1.89	16/11/2023
230378	824200	PP1699	1.55	16/11/2023
230381	824209	PP1700	1	16/11/2023
230385	824219	PP1701	0.93	16/11/2023
230389	824228	PP1702	0.97	16/11/2023
230392	824237	PP1703	0.9	16/11/2023
230396	824247	PP1704	0.66	16/11/2023
230399	824256	PP1705	0.55	16/11/2023
230403	824265	PP1706	0.17	16/11/2023
230406	824275	PP1707	0.05	16/11/2023
230410	824284	PP1708	0.77	16/11/2023
230414	824293	PP1709	0.4	16/11/2023
230417	824303	PP1710	0.88	16/11/2023
230421	824312	PP1711	0.81	16/11/2023
230424	824321	PP1712	0.52	16/11/2023
230428	824331	PP1713	0.34	16/11/2023
230432	824340	PP1714	0.47	16/11/2023
230435	824349	PP1715	0.46	16/11/2023
230439	824359	PP1716	0.52	16/11/2023
230442	824368	PP1717	0.39	16/11/2023
230446	824377	PP1718	0.06	16/11/2023
230449	824387	PP1719	0.25	16/11/2023
230453	824396	PP1720	0.24	16/11/2023
230457	824405	PP1721	0.39	16/11/2023
230460	824415	PP1722	0.24	22/11/2023
230464	824424	PP1723	0.36	22/11/2023
230467	824434	PP1724	0.47	22/11/2023
230471	824443	PP1725	0.24	22/11/2023
230475	824452	PP1726	0.72	22/11/2023
230478	824462	PP1727	0.8	22/11/2023
230482	824471	PP1728	0.97	22/11/2023
230485	824480	PP1729	1.05	22/11/2023
230489	824490	PP1730	0.35	22/11/2023
230492	824499	PP1731	0.48	22/11/2023
230496	824508	PP1732	0.46	22/11/2023
230500	824518	PP1733	0.3	22/11/2023
230503	824527	PP1734	0.38	22/11/2023
230507	824536	PP1735	0.59	22/11/2023
230510	824546	PP1736	0.59	22/11/2023
230514	824555	PP1737	0.39	22/11/2023
230518	824564	PP1738	0.25	22/11/2023
230521	824574	PP1739	0.19	22/11/2023
230525	824583	PP1740	0.12	22/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230528	824592	PP1741	0.52	22/11/2023
230532	824602	PP1742	0.47	22/11/2023
230535	824611	PP1743	0.29	22/11/2023
230539	824620	PP1744	0.51	22/11/2023
230543	824630	PP1745	0.7	22/11/2023
230546	824639	PP1746	0.28	22/11/2023
230550	824648	PP1747	0.22	22/11/2023
230553	824658	PP1748	0.3	22/11/2023
230557	824667	PP1749	0.33	22/11/2023
230561	824676	PP1750	0.67	22/11/2023
230564	824686	PP1751	beyond dear fence	22/11/2023
230568	824695	PP1752	beyond dear fence	22/11/2023
230571	824704	PP1753	beyond dear fence	22/11/2023
230575	824714	PP1754	beyond dear fence	22/11/2023
230578	824723	PP1755	beyond dear fence	22/11/2023
230582	824732	PP1756	beyond dear fence	22/11/2023
230586	824742	PP1757	beyond dear fence	22/11/2023
230589	824751	PP1758	beyond dear fence	22/11/2023
230593	824760	PP1759	beyond dear fence	22/11/2023
230277	823909	PP1760	on track	16/11/2023
230280	823918	PP1761	0.49	16/11/2023
230284	823928	PP1762	0.42	16/11/2023
230287	823937	PP1763	0.05	16/11/2023
230291	823946	PP1764	0.28	16/11/2023
230294	823956	PP1765	0.19	16/11/2023
230298	823965	PP1766	0.63	16/11/2023
230302	823974	PP1767	0.39	16/11/2023
230305	823984	PP1768	1.12	16/11/2023
230309	823993	PP1769	1.02	16/11/2023
230312	824002	PP1770	0.51	16/11/2023
230316	824012	PP1771	0.7	16/11/2023
230320	824021	PP1772	0.24	16/11/2023
230323	824030	PP1773	0.36	16/11/2023
230327	824040	PP1774	0.28	16/11/2023
230330	824049	PP1775	0.53	16/11/2023
230334	824058	PP1776	0.52	16/11/2023
230337	824068	PP1777	0.59	16/11/2023
230341	824077	PP1778	1.8	16/11/2023
230345	824086	PP1779	1.01	16/11/2023
230348	824096	PP1780	0.76	16/11/2023
230352	824105	PP1781	0.57	16/11/2023
230355	824114	PP1782	0.68	16/11/2023
230359	824124	PP1783	1.28	16/11/2023
230363	824133	PP1784	1.41	16/11/2023
230366	824142	PP1785	1.87	16/11/2023
230370	824152	PP1786	0.1	16/11/2023
230373	824161	PP1787	1.91	16/11/2023
230377	824170	PP1788	1.83	16/11/2023
230380	824180	PP1789	1.94	16/11/2023
230384	824189	PP1790	2.32	16/11/2023
230388	824198	PP1791	1.79	16/11/2023
230391	824208	PP1792	1.6	16/11/2023
230395	824217	PP1793	1.56	16/11/2023
230398	824226	PP1794	1	16/11/2023
230402	824236	PP1795	0.38	16/11/2023
230406	824245	PP1796	0.47	16/11/2023
230409	824254	PP1797	0.64	16/11/2023
230413	824264	PP1798	0.27	16/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230416	824273	PP1799	0.38	16/11/2023
230420	824282	PP1800	0.62	16/11/2023
230423	824292	PP1801	0.6	16/11/2023
230427	824301	PP1802	1.34	16/11/2023
230431	824310	PP1803	0.94	16/11/2023
230434	824320	PP1804	0.05	16/11/2023
230438	824329	PP1805	0.27	16/11/2023
230441	824338	PP1806	0.77	16/11/2023
230445	824348	PP1807	0.29	16/11/2023
230449	824357	PP1808	0.34	16/11/2023
230452	824366	PP1809	0.46	16/11/2023
230456	824376	PP1810	0.53	16/11/2023
230459	824385	PP1811	0.92	16/11/2023
230463	824394	PP1812	0.72	16/11/2023
230467	824404	PP1813	0.41	16/11/2023
230470	824413	PP1814	0.2	22/11/2023
230474	824422	PP1815	0.19	22/11/2023
230477	824432	PP1816	0.63	22/11/2023
230481	824441	PP1817	0.83	22/11/2023
230484	824451	PP1818	0.55	22/11/2023
230488	824460	PP1819	0.17	22/11/2023
230492	824469	PP1820	0.31	22/11/2023
230495	824479	PP1821	0.69	22/11/2023
230499	824488	PP1822	0.13	22/11/2023
230502	824497	PP1823	0.31	22/11/2023
230506	824507	PP1824	0.17	22/11/2023
230510	824516	PP1825	0.51	22/11/2023
230513	824525	PP1826	0.19	22/11/2023
230517	824535	PP1827	0.37	22/11/2023
230520	824544	PP1828	0.42	22/11/2023
230524	824553	PP1829	0.48	22/11/2023
230527	824563	PP1830	0.21	22/11/2023
230531	824572	PP1831	0.22	22/11/2023
230535	824581	PP1832	0.31	22/11/2023
230538	824591	PP1833	0.44	22/11/2023
230542	824600	PP1834	0.42	22/11/2023
230545	824609	PP1835	0.32	22/11/2023
230549	824619	PP1836	0.19	22/11/2023
230553	824628	PP1837	0.29	22/11/2023
230556	824637	PP1838	0.3	22/11/2023
230560	824647	PP1839	0.17	22/11/2023
230563	824656	PP1840	0.2	22/11/2023
230567	824665	PP1841	0.57	22/11/2023
230570	824675	PP1842	0.32	22/11/2023
230574	824684	PP1843	beyond dear fence	22/11/2023
230578	824693	PP1844	beyond dear fence	22/11/2023
230581	824703	PP1845	beyond dear fence	22/11/2023
230585	824712	PP1846	beyond dear fence	22/11/2023
230588	824721	PP1847	beyond dear fence	22/11/2023
230592	824731	PP1848	beyond dear fence	22/11/2023
230596	824740	PP1849	beyond dear fence	22/11/2023
230599	824749	PP1850	beyond dear fence	22/11/2023
230603	824759	PP1851	beyond dear fence	22/11/2023
230606	824768	PP1852	beyond dear fence	22/11/2023
230290	823917	PP1853	0.39	14/11/2023
230294	823926	PP1854	0.34	14/11/2023
230297	823935	PP1855	0.54	14/11/2023
230301	823945	PP1856	0.43	14/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230304	823954	PP1857	0.59	14/11/2023
230308	823963	PP1858	0.31	14/11/2023
230312	823973	PP1859	0.7	14/11/2023
230315	823982	PP1860	0.4	14/11/2023
230319	823991	PP1861	0.6	14/11/2023
230322	824001	PP1862	0.7	14/11/2023
230326	824010	PP1863	0.98	14/11/2023
230329	824019	PP1864	0.5	14/11/2023
230333	824029	PP1865	0.55	14/11/2023
230337	824038	PP1866	0.56	14/11/2023
230340	824047	PP1867	0.5	14/11/2023
230344	824057	PP1868	0.66	14/11/2023
230347	824066	PP1869	1.42	14/11/2023
230351	824075	PP1870	1.09	14/11/2023
230355	824085	PP1871	1.94	14/11/2023
230358	824094	PP1872	0.8	14/11/2023
230362	824103	PP1873	0.57	14/11/2023
230365	824113	PP1874	0.84	14/11/2023
230369	824122	PP1875	1.1	14/11/2023
230372	824131	PP1876	1.35	14/11/2023
230376	824141	PP1877	1.67	14/11/2023
230380	824150	PP1878	2.66	14/11/2023
230383	824159	PP1879	0.33	14/11/2023
230387	824169	PP1880	0.31	14/11/2023
230390	824178	PP1881	2.62	14/11/2023
230394	824187	PP1882	2.4	14/11/2023
230398	824197	PP1883	2.01	14/11/2023
230401	824206	PP1884	1.67	14/11/2023
230405	824215	PP1885	1.66	14/11/2023
230408	824225	PP1886	0.58	14/11/2023
230412	824234	PP1887	0.44	14/11/2023
230415	824243	PP1888	0.2	14/11/2023
230419	824253	PP1889	0.72	14/11/2023
230423	824262	PP1890	0.1	14/11/2023
230426	824271	PP1891	0.39	14/11/2023
230430	824281	PP1892	0.72	14/11/2023
230433	824290	PP1893	0.77	14/11/2023
230437	824299	PP1894	1.32	14/11/2023
230441	824309	PP1895	0.66	14/11/2023
230444	824318	PP1896	0.65	14/11/2023
230448	824327	PP1897	0.81	14/11/2023
230451	824337	PP1898	0.8	14/11/2023
230455	824346	PP1899	0.98	14/11/2023
230458	824355	PP1900	1.07	14/11/2023
230462	824365	PP1901	0.81	14/11/2023
230466	824374	PP1902	0.55	14/11/2023
230469	824383	PP1903	0.98	14/11/2023
230473	824393	PP1904	0.71	14/11/2023
230476	824402	PP1905	0.45	14/11/2023
230480	824411	PP1906	0.27	22/11/2023
230484	824421	PP1907	0.53	22/11/2023
230487	824430	PP1908	1.04	22/11/2023
230491	824440	PP1909	0.7	22/11/2023
230494	824449	PP1910	0.28	22/11/2023
230498	824458	PP1911	0.21	22/11/2023
230501	824468	PP1912	0.54	22/11/2023
230505	824477	PP1913	0.22	22/11/2023
230509	824486	PP1914	0.45	22/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230512	824496	PP1915	0.63	22/11/2023
230516	824505	PP1916	0.59	22/11/2023
230519	824514	PP1917	0.16	22/11/2023
230523	824524	PP1918	0.54	22/11/2023
230527	824533	PP1919	0.23	22/11/2023
230530	824542	PP1920	0.34	22/11/2023
230534	824552	PP1921	0.6	22/11/2023
230537	824561	PP1922	0.61	22/11/2023
230541	824570	PP1923	0.42	22/11/2023
230544	824580	PP1924	0.53	22/11/2023
230548	824589	PP1925	0.43	22/11/2023
230552	824598	PP1926	0.58	22/11/2023
230555	824608	PP1927	0.69	22/11/2023
230559	824617	PP1928	0.48	22/11/2023
230562	824626	PP1929	0.3	22/11/2023
230566	824636	PP1930	0.24	22/11/2023
230570	824645	PP1931	0.39	22/11/2023
230573	824654	PP1932	0.34	22/11/2023
230577	824664	PP1933	0.27	22/11/2023
230580	824673	PP1934	0.36	22/11/2023
230584	824682	PP1935	0.38	22/11/2023
230587	824692	PP1936	beyond dear fence	22/11/2023
230591	824701	PP1937	beyond dear fence	22/11/2023
230595	824710	PP1938	beyond dear fence	22/11/2023
230598	824720	PP1939	beyond dear fence	22/11/2023
230602	824729	PP1940	beyond dear fence	22/11/2023
230605	824738	PP1941	beyond dear fence	22/11/2023
230609	824748	PP1942	beyond dear fence	22/11/2023
230613	824757	PP1943	beyond dear fence	22/11/2023
230616	824766	PP1944	beyond dear fence	22/11/2023
230620	824776	PP1945	beyond dear fence	22/11/2023
230303	823924	PP1946	0.35	14/11/2023
230307	823934	PP1947	0.38	14/11/2023
230311	823943	PP1948	0.47	14/11/2023
230314	823952	PP1949	0.32	14/11/2023
230318	823962	PP1950	0.53	14/11/2023
230321	823971	PP1951	0.65	14/11/2023
230325	823980	PP1952	0.6	14/11/2023
230329	823990	PP1953	0.49	14/11/2023
230332	823999	PP1954	0.45	14/11/2023
230336	824008	PP1955	0.51	14/11/2023
230339	824018	PP1956	0.53	14/11/2023
230343	824027	PP1957	0.38	14/11/2023
230346	824036	PP1958	0.69	14/11/2023
230350	824046	PP1959	0.51	14/11/2023
230354	824055	PP1960	0.46	14/11/2023
230357	824064	PP1961	1.29	14/11/2023
230361	824074	PP1962	0.54	14/11/2023
230364	824083	PP1963	1.72	14/11/2023
230368	824092	PP1964	1.58	14/11/2023
230372	824102	PP1965	1.13	14/11/2023
230375	824111	PP1966	1.23	14/11/2023
230379	824120	PP1967	1.25	14/11/2023
230382	824130	PP1968	1.05	14/11/2023
230386	824139	PP1969	1.2	14/11/2023
230389	824148	PP1970	1.66	14/11/2023
230393	824158	PP1971	1.65	14/11/2023
230397	824167	PP1972	1.63	14/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230400	824176	PP1973	1.95	14/11/2023
230404	824186	PP1974	1.95	14/11/2023
230407	824195	PP1975	1.78	14/11/2023
230411	824204	PP1976	1.57	14/11/2023
230415	824214	PP1977	1.47	14/11/2023
230418	824223	PP1978	0.72	14/11/2023
230422	824232	PP1979	0.32	14/11/2023
230425	824242	PP1980	0.22	14/11/2023
230429	824251	PP1981	0.48	14/11/2023
230432	824260	PP1982	0.4	14/11/2023
230436	824270	PP1983	0.49	14/11/2023
230440	824279	PP1984	0.48	14/11/2023
230443	824288	PP1985	1.2	14/11/2023
230447	824298	PP1986	0.48	14/11/2023
230450	824307	PP1987	0.4	14/11/2023
230454	824316	PP1988	0.46	14/11/2023
230458	824326	PP1989	0.32	14/11/2023
230461	824335	PP1990	0.43	14/11/2023
230465	824344	PP1991	0.28	14/11/2023
230468	824354	PP1992	0.49	14/11/2023
230472	824363	PP1993	0.36	14/11/2023
230475	824372	PP1994	0.33	14/11/2023
230479	824382	PP1995	0.54	14/11/2023
230483	824391	PP1996	0.48	14/11/2023
230486	824400	PP1997	0.49	14/11/2023
230490	824410	PP1998	0.08	22/11/2023
230493	824419	PP1999	0.11	22/11/2023
230497	824429	PP2000	0.29	22/11/2023
230501	824438	PP2001	0.19	22/11/2023
230504	824447	PP2002	0.3	22/11/2023
230508	824457	PP2003	0.29	22/11/2023
230511	824466	PP2004	0.49	22/11/2023
230515	824475	PP2005	0.32	22/11/2023
230518	824485	PP2006	0.35	22/11/2023
230522	824494	PP2007	0.42	22/11/2023
230526	824503	PP2008	0.13	22/11/2023
230529	824513	PP2009	0.36	22/11/2023
230533	824522	PP2010	0.28	22/11/2023
230536	824531	PP2011	0.39	22/11/2023
230540	824541	PP2012	0.35	22/11/2023
230544	824550	PP2013	0.33	22/11/2023
230547	824559	PP2014	0.38	22/11/2023
230551	824569	PP2015	0.56	22/11/2023
230554	824578	PP2016	0.18	22/11/2023
230558	824587	PP2017	0.42	22/11/2023
230561	824597	PP2018	0.27	22/11/2023
230565	824606	PP2019	0.37	22/11/2023
230569	824615	PP2020	0.29	22/11/2023
230572	824625	PP2021	0.54	22/11/2023
230576	824634	PP2022	0.37	22/11/2023
230579	824643	PP2023	0.29	22/11/2023
230583	824653	PP2024	0.5	22/11/2023
230587	824662	PP2025	0.42	22/11/2023
230590	824671	PP2026	0.4	22/11/2023
230594	824681	PP2027	0.46	22/11/2023
230597	824690	PP2028	beyond dear fence	22/11/2023
230601	824699	PP2029	beyond dear fence	22/11/2023
230604	824709	PP2030	beyond dear fence	22/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230608	824718	PP2031	beyond dear fence	22/11/2023
230612	824727	PP2032	beyond dear fence	22/11/2023
230615	824737	PP2033	beyond dear fence	22/11/2023
230619	824746	PP2034	beyond dear fence	22/11/2023
230622	824755	PP2035	beyond dear fence	22/11/2023
230626	824765	PP2036	beyond dear fence	22/11/2023
230630	824774	PP2037	beyond dear fence	22/11/2023
230633	824783	PP2038	beyond dear fence	22/11/2023
230317	823932	PP2039	0.43	15/11/2023
230320	823941	PP2040	0.43	15/11/2023
230324	823951	PP2041	0.43	15/11/2023
230328	823960	PP2042	0.59	15/11/2023
230331	823969	PP2043	0.55	15/11/2023
230335	823979	PP2044	0.58	15/11/2023
230338	823988	PP2045	0.76	15/11/2023
230342	823997	PP2046	0.79	15/11/2023
230346	824007	PP2047	0.86	15/11/2023
230349	824016	PP2048	0.33	15/11/2023
230353	824025	PP2049	0.55	15/11/2023
230356	824035	PP2050	0.64	15/11/2023
230360	824044	PP2051	0.95	15/11/2023
230363	824053	PP2052	1.71	15/11/2023
230367	824063	PP2053	0.65	15/11/2023
230371	824072	PP2054	0.74	15/11/2023
230374	824081	PP2055	0.61	15/11/2023
230378	824091	PP2056	1.08	15/11/2023
230381	824100	PP2057	0.91	15/11/2023
230385	824109	PP2058	1.87	15/11/2023
230389	824119	PP2059	1.43	15/11/2023
230392	824128	PP2060	1.1	15/11/2023
230396	824137	PP2061	1.23	15/11/2023
230399	824147	PP2062	1.1	15/11/2023
230403	824156	PP2063	1.7	15/11/2023
230406	824165	PP2064	1.58	15/11/2023
230410	824175	PP2065	1.85	15/11/2023
230414	824184	PP2066	1.6	15/11/2023
230417	824193	PP2067	1.78	15/11/2023
230421	824203	PP2068	1.57	15/11/2023
230424	824212	PP2069	1.38	15/11/2023
230428	824221	PP2070	1.03	15/11/2023
230432	824231	PP2071	0.45	15/11/2023
230435	824240	PP2072	0.18	15/11/2023
230439	824249	PP2073	0.35	15/11/2023
230442	824259	PP2074	0.59	15/11/2023
230446	824268	PP2075	0.48	15/11/2023
230449	824277	PP2076	1.78	15/11/2023
230453	824287	PP2077	0.49	15/11/2023
230457	824296	PP2078	0.47	15/11/2023
230460	824305	PP2079	0.6	15/11/2023
230464	824315	PP2080	0.59	15/11/2023
230467	824324	PP2081	0.72	15/11/2023
230471	824333	PP2082	0.66	15/11/2023
230475	824343	PP2083	0.44	15/11/2023
230478	824352	PP2084	0.4	15/11/2023
230482	824361	PP2085	0.49	15/11/2023
230485	824371	PP2086	0.58	15/11/2023
230489	824380	PP2087	0.64	15/11/2023
230492	824389	PP2088	0.6	15/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230496	824399	PP2089	0.37	22/11/2023
230500	824408	PP2090	0.24	22/11/2023
230503	824418	PP2091	0.17	22/11/2023
230507	824427	PP2092	0.27	22/11/2023
230510	824436	PP2093	0.59	22/11/2023
230514	824446	PP2094	0.37	22/11/2023
230518	824455	PP2095	0.55	22/11/2023
230521	824464	PP2096	0.27	22/11/2023
230525	824474	PP2097	0.3	22/11/2023
230528	824483	PP2098	0.38	22/11/2023
230532	824492	PP2099	0.34	22/11/2023
230536	824502	PP2100	0.27	22/11/2023
230539	824511	PP2101	0.46	22/11/2023
230543	824520	PP2102	0.45	22/11/2023
230546	824530	PP2103	0.43	22/11/2023
230550	824539	PP2104	0.5	22/11/2023
230553	824548	PP2105	0.99	22/11/2023
230557	824558	PP2106	0.42	22/11/2023
230561	824567	PP2107	0.4	22/11/2023
230564	824576	PP2108	0.39	22/11/2023
230568	824586	PP2109	0.33	22/11/2023
230571	824595	PP2110	0.3	22/11/2023
230575	824604	PP2111	0.27	22/11/2023
230579	824614	PP2112	0.32	22/11/2023
230582	824623	PP2113	0.29	22/11/2023
230586	824632	PP2114	0.38	22/11/2023
230589	824642	PP2115	0.29	22/11/2023
230593	824651	PP2116	0.67	22/11/2023
230596	824660	PP2117	0.7	22/11/2023
230600	824670	PP2118	0.39	22/11/2023
230604	824679	PP2119	0.38	22/11/2023
230607	824688	PP2120	0.38	22/11/2023
230611	824698	PP2121	beyond dear fence	22/11/2023
230614	824707	PP2122	beyond dear fence	22/11/2023
230618	824716	PP2123	beyond dear fence	22/11/2023
230622	824726	PP2124	beyond dear fence	22/11/2023
230625	824735	PP2125	beyond dear fence	22/11/2023
230629	824744	PP2126	beyond dear fence	22/11/2023
230632	824754	PP2127	beyond dear fence	22/11/2023
230636	824763	PP2128	beyond dear fence	22/11/2023
230639	824772	PP2129	beyond dear fence	22/11/2023
230643	824782	PP2130	beyond dear fence	22/11/2023
230327	823930	PP2131	0.34	15/11/2023
230330	823940	PP2132	0.43	15/11/2023
230334	823949	PP2133	0.51	15/11/2023
230338	823958	PP2134	0.79	15/11/2023
230341	823968	PP2135	0.71	15/11/2023
230345	823977	PP2136	0.78	15/11/2023
230348	823986	PP2137	0.39	15/11/2023
230352	823996	PP2138	0.69	15/11/2023
230355	824005	PP2139	0.74	15/11/2023
230359	824014	PP2140	0.82	15/11/2023
230363	824024	PP2141	0.87	15/11/2023
230366	824033	PP2142	0.84	15/11/2023
230370	824042	PP2143	0.71	15/11/2023
230373	824052	PP2144	1.1	15/11/2023
230377	824061	PP2145	1.8	15/11/2023
230381	824070	PP2146	0.54	15/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230384	824080	PP2147	0.6	15/11/2023
230388	824089	PP2148	0.6	15/11/2023
230391	824098	PP2149	0.72	15/11/2023
230395	824108	PP2150	1.77	15/11/2023
230398	824117	PP2151	1.55	15/11/2023
230402	824126	PP2152	1.15	15/11/2023
230406	824136	PP2153	1.01	15/11/2023
230409	824145	PP2154	1.06	15/11/2023
230413	824154	PP2155	0.96	15/11/2023
230416	824164	PP2156	1.48	15/11/2023
230420	824173	PP2157	1.51	15/11/2023
230424	824182	PP2158	0.87	15/11/2023
230427	824192	PP2159	1.44	15/11/2023
230431	824201	PP2160	1.37	15/11/2023
230434	824210	PP2161	1.31	15/11/2023
230438	824220	PP2162	1.45	15/11/2023
230441	824229	PP2163	1.9	15/11/2023
230445	824238	PP2164	0.6	15/11/2023
230449	824248	PP2165	0.81	15/11/2023
230452	824257	PP2166	0.51	15/11/2023
230456	824266	PP2167	1.22	15/11/2023
230459	824276	PP2168	1.04	15/11/2023
230463	824285	PP2169	1.1	15/11/2023
230467	824294	PP2170	0.41	15/11/2023
230470	824304	PP2171	0.33	15/11/2023
230474	824313	PP2172	0.44	15/11/2023
230477	824322	PP2173	0.28	15/11/2023
230481	824332	PP2174	0.29	15/11/2023
230484	824341	PP2175	0.51	15/11/2023
230488	824350	PP2176	0.49	15/11/2023
230492	824360	PP2177	0.52	15/11/2023
230495	824369	PP2178	0.56	15/11/2023
230499	824378	PP2179	0.64	15/11/2023
230502	824388	PP2180	1.01	15/11/2023
230506	824397	PP2181	0.59	22/11/2023
230510	824406	PP2182	0.37	22/11/2023
230513	824416	PP2183	0.44	22/11/2023
230517	824425	PP2184	0.52	22/11/2023
230520	824435	PP2185	0.89	22/11/2023
230524	824444	PP2186	0.5	22/11/2023
230527	824453	PP2187	0.76	22/11/2023
230531	824463	PP2188	0.42	22/11/2023
230535	824472	PP2189	0.41	22/11/2023
230538	824481	PP2190	0.32	22/11/2023
230542	824491	PP2191	0.36	22/11/2023
230545	824500	PP2192	0.64	22/11/2023
230549	824509	PP2193	0.35	22/11/2023
230553	824519	PP2194	0.47	22/11/2023
230556	824528	PP2195	0.4	22/11/2023
230560	824537	PP2196	0.53	22/11/2023
230563	824547	PP2197	0.39	22/11/2023
230567	824556	PP2198	0.41	22/11/2023
230570	824565	PP2199	0.17	22/11/2023
230574	824575	PP2200	0.39	22/11/2023
230578	824584	PP2201	0.38	22/11/2023
230581	824593	PP2202	0.35	22/11/2023
230585	824603	PP2203	0.29	22/11/2023
230588	824612	PP2204	0.22	22/11/2023

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230592	824621	PP2205	0.41	22/11/2023
230596	824631	PP2206	0.5	22/11/2023
230599	824640	PP2207	0.5	22/11/2023
230603	824649	PP2208	0.34	22/11/2023
230606	824659	PP2209	0.29	22/11/2023
230610	824668	PP2210	0.27	22/11/2023
230613	824677	PP2211	0.37	22/11/2023
230617	824687	PP2212	0.35	22/11/2023
230621	824696	PP2213	0.33	22/11/2023
230624	824705	PP2214	beyond dear fence	22/11/2023
230628	824715	PP2215	beyond dear fence	22/11/2023
230631	824724	PP2216	beyond dear fence	22/11/2023
230635	824733	PP2217	beyond dear fence	22/11/2023
230639	824743	PP2218	beyond dear fence	22/11/2023
230642	824752	PP2219	beyond dear fence	22/11/2023
230646	824761	PP2220	beyond dear fence	22/11/2023
230649	824771	PP2221	beyond dear fence	22/11/2023
230653	824780	PP2222	beyond dear fence	22/11/2023
230656	824789	PP2223	beyond dear fence	22/11/2023
230337	823929	PP2224	0.42	15/11/2023
230340	823938	PP2225	0.5	15/11/2023
230344	823947	PP2226	0.51	15/11/2023
230347	823957	PP2227	0.58	15/11/2023
230351	823966	PP2228	0.82	15/11/2023
230355	823975	PP2229	0.72	15/11/2023
230358	823985	PP2230	0.52	15/11/2023
230362	823994	PP2231	0.69	15/11/2023
230365	824003	PP2232	0.97	15/11/2023
230369	824013	PP2233	0.87	15/11/2023
230372	824022	PP2234	0.98	15/11/2023
230376	824031	PP2235	0.62	15/11/2023
230380	824041	PP2236	0.64	15/11/2023
230383	824050	PP2237	1.58	15/11/2023
230387	824059	PP2238	1.8	15/11/2023
230390	824069	PP2239	0.72	15/11/2023
230394	824078	PP2240	0.58	15/11/2023
230398	824087	PP2241	0.48	15/11/2023
230401	824097	PP2242	0.69	15/11/2023
230405	824106	PP2243	1.6	15/11/2023
230408	824115	PP2244	1.8	15/11/2023
230412	824125	PP2245	1.15	15/11/2023
230415	824134	PP2246	1.27	15/11/2023
230419	824143	PP2247	1.58	15/11/2023
230423	824153	PP2248	1.01	15/11/2023
230426	824162	PP2249	1.18	15/11/2023
230430	824171	PP2250	1.03	15/11/2023
230433	824181	PP2251	1.25	15/11/2023
230437	824190	PP2252	1.18	15/11/2023
230441	824199	PP2253	1.48	15/11/2023
230444	824209	PP2254	1.18	15/11/2023
230448	824218	PP2255	1.5	15/11/2023
230451	824227	PP2256	1.56	15/11/2023
230455	824237	PP2257	1.65	15/11/2023
230458	824246	PP2258	1.71	15/11/2023
230462	824255	PP2259	1.48	15/11/2023
230466	824265	PP2260	2.21	15/11/2023
230469	824274	PP2261	0.95	15/11/2023
230473	824283	PP2262	0.87	15/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230476	824293	PP2263	1.09	15/11/2023
230480	824302	PP2264	0.54	15/11/2023
230484	824311	PP2265	0.71	15/11/2023
230487	824321	PP2266	0.6	15/11/2023
230491	824330	PP2267	0.63	15/11/2023
230494	824339	PP2268	0.27	15/11/2023
230498	824349	PP2269	0.59	15/11/2023
230501	824358	PP2270	0.59	15/11/2023
230505	824367	PP2271	0.57	15/11/2023
230509	824377	PP2272	0.63	15/11/2023
230512	824386	PP2273	0.69	15/11/2023
230516	824395	PP2274	0.58	23/11/2023
230519	824405	PP2275	0.69	23/11/2023
230523	824414	PP2276	0.61	23/11/2023
230527	824424	PP2277	1.17	23/11/2023
230530	824433	PP2278	0.74	23/11/2023
230534	824442	PP2279	0.45	23/11/2023
230537	824452	PP2280	0.48	23/11/2023
230541	824461	PP2281	0.32	23/11/2023
230544	824470	PP2282	0.13	23/11/2023
230548	824480	PP2283	0.3	23/11/2023
230552	824489	PP2284	0.26	23/11/2023
230555	824498	PP2285	0.84	23/11/2023
230559	824508	PP2286	0.41	23/11/2023
230562	824517	PP2287	0.51	23/11/2023
230566	824526	PP2288	0.32	23/11/2023
230570	824536	PP2289	0.42	23/11/2023
230573	824545	PP2290	0.48	23/11/2023
230577	824554	PP2291	0.45	23/11/2023
230580	824564	PP2292	0.28	23/11/2023
230584	824573	PP2293	0.34	23/11/2023
230587	824582	PP2294	0.47	23/11/2023
230591	824592	PP2295	0.38	23/11/2023
230595	824601	PP2296	0.55	23/11/2023
230598	824610	PP2297	0.43	23/11/2023
230602	824620	PP2298	0.29	23/11/2023
230605	824629	PP2299	0.4	23/11/2023
230609	824638	PP2300	0.38	23/11/2023
230613	824648	PP2301	0.27	23/11/2023
230616	824657	PP2302	0.52	23/11/2023
230620	824666	PP2303	0.44	23/11/2023
230623	824676	PP2304	0.31	23/11/2023
230627	824685	PP2305	0.15	23/11/2023
230630	824694	PP2306	0.29	23/11/2023
230634	824704	PP2307	0.36	23/11/2023
230638	824713	PP2308	beyond dear fence	23/11/2023
230641	824722	PP2309	beyond dear fence	23/11/2023
230645	824732	PP2310	beyond dear fence	23/11/2023
230648	824741	PP2311	beyond dear fence	23/11/2023
230652	824750	PP2312	beyond dear fence	23/11/2023
230656	824760	PP2313	beyond dear fence	23/11/2023
230659	824769	PP2314	beyond dear fence	23/11/2023
230663	824778	PP2315	beyond dear fence	23/11/2023
230666	824788	PP2316	beyond dear fence	23/11/2023
230670	824797	PP2317	beyond dear fence	23/11/2023
230343	823918	PP2318	0.27	15/11/2023
230346	823927	PP2319	0.74	15/11/2023
230350	823936	PP2320	0.59	15/11/2023

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230354	823946	PP2321	0.78	15/11/2023
230357	823955	PP2322	0.8	15/11/2023
230361	823964	PP2323	0.87	15/11/2023
230364	823974	PP2324	0.69	15/11/2023
230368	823983	PP2325	0.35	15/11/2023
230372	823992	PP2326	1.12	15/11/2023
230375	824002	PP2327	0.63	15/11/2023
230379	824011	PP2328	0.7	15/11/2023
230382	824020	PP2329	0.77	15/11/2023
230386	824030	PP2330	0.78	15/11/2023
230389	824039	PP2331	0.67	15/11/2023
230393	824048	PP2332	1.87	15/11/2023
230397	824058	PP2333	1.49	15/11/2023
230400	824067	PP2334	0.75	15/11/2023
230404	824076	PP2335	0.57	15/11/2023
230407	824086	PP2336	0.5	15/11/2023
230411	824095	PP2337	1.44	15/11/2023
230415	824104	PP2338	1.34	15/11/2023
230418	824114	PP2339	1.82	15/11/2023
230422	824123	PP2340	0.79	15/11/2023
230425	824132	PP2341	0.84	15/11/2023
230429	824142	PP2342	0.9	15/11/2023
230432	824151	PP2343	1.11	15/11/2023
230436	824160	PP2344	0.69	15/11/2023
230440	824170	PP2345	1.32	15/11/2023
230443	824179	PP2346	1.43	15/11/2023
230447	824188	PP2347	1.25	15/11/2023
230450	824198	PP2348	1.39	15/11/2023
230454	824207	PP2349	1.72	15/11/2023
230458	824216	PP2350	1.54	15/11/2023
230461	824226	PP2351	1.37	15/11/2023
230465	824235	PP2352	1.64	15/11/2023
230468	824244	PP2353	1.6	15/11/2023
230472	824254	PP2354	1.47	15/11/2023
230475	824263	PP2355	1.82	15/11/2023
230479	824272	PP2356	1.79	15/11/2023
230483	824282	PP2357	0.84	15/11/2023
230486	824291	PP2358	1.06	15/11/2023
230490	824300	PP2359	0.69	15/11/2023
230493	824310	PP2360	0.76	15/11/2023
230497	824319	PP2361	0.51	15/11/2023
230501	824328	PP2362	0.68	15/11/2023
230504	824338	PP2363	0.28	15/11/2023
230508	824347	PP2364	0.73	15/11/2023
230511	824356	PP2365	0.58	15/11/2023
230515	824366	PP2366	0.6	15/11/2023
230518	824375	PP2367	0.62	15/11/2023
230522	824384	PP2368	0.74	15/11/2023
230526	824394	PP2369	0.94	23/11/2023
230529	824403	PP2370	0.83	23/11/2023
230533	824413	PP2371	0.51	23/11/2023
230536	824422	PP2372	0.43	23/11/2023
230540	824431	PP2373	0.73	23/11/2023
230544	824441	PP2374	0.49	23/11/2023
230547	824450	PP2375	0.48	23/11/2023
230551	824459	PP2376	0.25	23/11/2023
230554	824469	PP2377	0.07	23/11/2023
230558	824478	PP2378	0.14	23/11/2023

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230562	824487	PP2379	0.2	23/11/2023
230565	824497	PP2380	0.31	23/11/2023
230569	824506	PP2381	0.5	23/11/2023
230572	824515	PP2382	0.39	23/11/2023
230576	824525	PP2383	0.53	23/11/2023
230579	824534	PP2384	0.45	23/11/2023
230583	824543	PP2385	0.43	23/11/2023
230587	824553	PP2386	0.39	23/11/2023
230590	824562	PP2387	0.27	23/11/2023
230594	824571	PP2388	0.34	23/11/2023
230597	824581	PP2389	0.14	23/11/2023
230601	824590	PP2390	0.47	23/11/2023
230605	824599	PP2391	0.35	23/11/2023
230608	824609	PP2392	0.27	23/11/2023
230612	824618	PP2393	0.4	23/11/2023
230615	824627	PP2394	0.19	23/11/2023
230619	824637	PP2395	0.36	23/11/2023
230622	824646	PP2396	0.66	23/11/2023
230626	824655	PP2397	0.42	23/11/2023
230630	824665	PP2398	0.56	23/11/2023
230633	824674	PP2399	0.39	23/11/2023
230637	824683	PP2400	0.51	23/11/2023
230640	824693	PP2401	0.43	23/11/2023
230644	824702	PP2402	0.29	23/11/2023
230648	824711	PP2403	beyond dear fence	23/11/2023
230651	824721	PP2404	beyond dear fence	23/11/2023
230655	824730	PP2405	beyond dear fence	23/11/2023
230658	824739	PP2406	beyond dear fence	23/11/2023
230662	824749	PP2407	beyond dear fence	23/11/2023
230665	824758	PP2408	beyond dear fence	23/11/2023
230669	824767	PP2409	beyond dear fence	23/11/2023
230673	824777	PP2410	beyond dear fence	23/11/2023
230676	824786	PP2411	beyond dear fence	23/11/2023
230680	824795	PP2412	beyond dear fence	23/11/2023
230683	824805	PP2413	beyond dear fence	23/11/2023
230349	823907	PP2414	0.47	15/11/2023
230353	823916	PP2415	0.89	15/11/2023
230356	823925	PP2416	1.38	15/11/2023
230360	823935	PP2417	1.44	15/11/2023
230364	823944	PP2418	1.37	15/11/2023
230367	823953	PP2419	1.1	15/11/2023
230371	823963	PP2420	0.41	15/11/2023
230374	823972	PP2421	0.72	15/11/2023
230378	823981	PP2422	2.49	15/11/2023
230381	823991	PP2423	2.44	15/11/2023
230385	824000	PP2424	0.58	15/11/2023
230389	824009	PP2425	0.41	15/11/2023
230392	824019	PP2426	0.55	15/11/2023
230396	824028	PP2427	0.84	15/11/2023
230399	824037	PP2428	1.11	15/11/2023
230403	824047	PP2429	1.32	15/11/2023
230407	824056	PP2430	1.38	15/11/2023
230410	824065	PP2431	0.87	15/11/2023
230414	824075	PP2432	0.58	15/11/2023
230417	824084	PP2433	0.72	15/11/2023
230421	824093	PP2434	0.39	15/11/2023
230424	824103	PP2435	0.52	15/11/2023
230428	824112	PP2436	1.01	15/11/2023

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230432	824121	PP2437	1.18	15/11/2023
230435	824131	PP2438	0.67	15/11/2023
230439	824140	PP2439	0.64	16/11/2023
230442	824149	PP2440	0.75	16/11/2023
230446	824159	PP2441	0.84	16/11/2023
230450	824168	PP2442	1.14	16/11/2023
230453	824177	PP2443	1.27	16/11/2023
230457	824187	PP2444	1.33	16/11/2023
230460	824196	PP2445	1.23	16/11/2023
230464	824205	PP2446	0.59	16/11/2023
230467	824215	PP2447	1.81	16/11/2023
230471	824224	PP2448	1.42	16/11/2023
230475	824233	PP2449	1.54	16/11/2023
230478	824243	PP2450	1.79	16/11/2023
230482	824252	PP2451	1.57	16/11/2023
230485	824261	PP2452	1.47	16/11/2023
230489	824271	PP2453	1.68	16/11/2023
230493	824280	PP2454	1.92	16/11/2023
230496	824289	PP2455	1.94	16/11/2023
230500	824299	PP2456	1.1	16/11/2023
230503	824308	PP2457	0.74	16/11/2023
230507	824317	PP2458	0.65	16/11/2023
230510	824327	PP2459	0.44	16/11/2023
230514	824336	PP2460	0.3	16/11/2023
230518	824345	PP2461	0.46	16/11/2023
230521	824355	PP2462	0.39	16/11/2023
230525	824364	PP2463	0.28	16/11/2023
230528	824373	PP2464	1.02	16/11/2023
230532	824383	PP2465	1.12	29/11/2023
230536	824392	PP2466	1.15	29/11/2023
230539	824402	PP2467	1.44	29/11/2023
230543	824411	PP2468	1.86	29/11/2023
230546	824420	PP2469	1	29/11/2023
230550	824430	PP2470	0.33	29/11/2023
230553	824439	PP2471	0.48	29/11/2023
230557	824448	PP2472	0.4	29/11/2023
230561	824458	PP2473	0.39	29/11/2023
230564	824467	PP2474	0.27	29/11/2023
230568	824476	PP2475	0.21	29/11/2023
230571	824486	PP2476	0.32	29/11/2023
230575	824495	PP2477	0.33	29/11/2023
230579	824504	PP2478	0.25	29/11/2023
230582	824514	PP2479	0.58	29/11/2023
230586	824523	PP2480	0.3	29/11/2023
230589	824532	PP2481	0.32	29/11/2023
230593	824542	PP2482	0.24	29/11/2023
230596	824551	PP2483	0.47	29/11/2023
230600	824560	PP2484	0.24	29/11/2023
230604	824570	PP2485	0.57	29/11/2023
230607	824579	PP2486	0.36	29/11/2023
230611	824588	PP2487	0.53	29/11/2023
230614	824598	PP2488	0.35	29/11/2023
230618	824607	PP2489	0.3	29/11/2023
230622	824616	PP2490	0.32	29/11/2023
230625	824626	PP2491	0.36	29/11/2023
230629	824635	PP2492	0.73	29/11/2023
230632	824644	PP2493	0.84	29/11/2023
230636	824654	PP2494	0.5	29/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230639	824663	PP2495	0.39	29/11/2023
230643	824672	PP2496	0.34	29/11/2023
230647	824682	PP2497	0.4	29/11/2023
230650	824691	PP2498	0.39	29/11/2023
230654	824700	PP2499	0.42	29/11/2023
230657	824710	PP2500	0.91	29/11/2023
230661	824719	PP2501	1.18	29/11/2023
230665	824728	PP2502	beyond dear fence	29/11/2023
230668	824738	PP2503	beyond dear fence	29/11/2023
230672	824747	PP2504	beyond dear fence	29/11/2023
230675	824756	PP2505	beyond dear fence	29/11/2023
230679	824766	PP2506	beyond dear fence	29/11/2023
230682	824775	PP2507	beyond dear fence	29/11/2023
230686	824784	PP2508	beyond dear fence	29/11/2023
230690	824794	PP2509	beyond dear fence	29/11/2023
230693	824803	PP2510	beyond dear fence	29/11/2023
230697	824812	PP2511	beyond dear fence	29/11/2023
230355	823896	PP2512	0.46	16/11/2023
230359	823905	PP2513	0.56	16/11/2023
230363	823914	PP2514	0.61	16/11/2023
230366	823924	PP2515	0.77	16/11/2023
230370	823933	PP2516	0.94	16/11/2023
230373	823942	PP2517	0.82	16/11/2023
230377	823952	PP2518	0.5	16/11/2023
230381	823961	PP2519	0.81	16/11/2023
230384	823970	PP2520	0.85	16/11/2023
230388	823980	PP2521	2.57	16/11/2023
230391	823989	PP2522	1.67	16/11/2023
230395	823998	PP2523	0.91	16/11/2023
230398	824008	PP2524	0.62	16/11/2023
230402	824017	PP2525	0.56	16/11/2023
230406	824026	PP2526	0.65	16/11/2023
230409	824036	PP2527	0.79	16/11/2023
230413	824045	PP2528	1.6	16/11/2023
230416	824054	PP2529	1.03	16/11/2023
230420	824064	PP2530	0.54	16/11/2023
230424	824073	PP2531	0.86	16/11/2023
230427	824082	PP2532	0.69	16/11/2023
230431	824092	PP2533	0.88	16/11/2023
230434	824101	PP2534	1.68	16/11/2023
230438	824110	PP2535	1.54	16/11/2023
230441	824120	PP2536	1.81	16/11/2023
230445	824129	PP2537	0.85	16/11/2023
230449	824138	PP2538	0.49	16/11/2023
230452	824148	PP2539	0.53	16/11/2023
230456	824157	PP2540	0.64	16/11/2023
230459	824166	PP2541	1	16/11/2023
230463	824176	PP2542	0.59	16/11/2023
230467	824185	PP2543	0.4	16/11/2023
230470	824194	PP2544	1.04	16/11/2023
230474	824204	PP2545	1.65	16/11/2023
230477	824213	PP2546	0.88	16/11/2023
230481	824222	PP2547	1.29	16/11/2023
230484	824232	PP2548	1.46	16/11/2023
230488	824241	PP2549	1.69	16/11/2023
230492	824250	PP2550	1.74	16/11/2023
230495	824260	PP2551	2.54	16/11/2023
230499	824269	PP2552	2.11	16/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230502	824278	PP2553	1.65	16/11/2023
230506	824288	PP2554	1.43	16/11/2023
230510	824297	PP2555	1.8	16/11/2023
230513	824306	PP2556	1.36	16/11/2023
230517	824316	PP2557	0.89	16/11/2023
230520	824325	PP2558	0.55	16/11/2023
230524	824334	PP2559	0.51	16/11/2023
230527	824344	PP2560	0.65	16/11/2023
230531	824353	PP2561	0.62	16/11/2023
230535	824362	PP2562	0.56	16/11/2023
230538	824372	PP2563	1.39	16/11/2023
230542	824381	PP2564	1	29/11/2023
230545	824390	PP2565	1.55	29/11/2023
230549	824400	PP2566	1	29/11/2023
230553	824409	PP2567	0.53	29/11/2023
230556	824419	PP2568	2.37	29/11/2023
230560	824428	PP2569	0.66	29/11/2023
230563	824437	PP2570	0.52	29/11/2023
230567	824447	PP2571	0.33	29/11/2023
230570	824456	PP2572	0.34	29/11/2023
230574	824465	PP2573	0.19	29/11/2023
230578	824475	PP2574	0.42	29/11/2023
230581	824484	PP2575	0.18	29/11/2023
230585	824493	PP2576	0.19	29/11/2023
230588	824503	PP2577	0.22	29/11/2023
230592	824512	PP2578	0.26	29/11/2023
230596	824521	PP2579	0.26	29/11/2023
230599	824531	PP2580	0.56	29/11/2023
230603	824540	PP2581	0.54	29/11/2023
230606	824549	PP2582	0.29	29/11/2023
230610	824559	PP2583	0.44	29/11/2023
230613	824568	PP2584	0.52	29/11/2023
230617	824577	PP2585	0.41	29/11/2023
230621	824587	PP2586	0.37	29/11/2023
230624	824596	PP2587	0.41	29/11/2023
230628	824605	PP2588	0.43	29/11/2023
230631	824615	PP2589	0.33	29/11/2023
230635	824624	PP2590	0.32	29/11/2023
230639	824633	PP2591	0.92	29/11/2023
230642	824643	PP2592	0.76	29/11/2023
230646	824652	PP2593	0.21	29/11/2023
230649	824661	PP2594	0.49	29/11/2023
230653	824671	PP2595	0.67	29/11/2023
230656	824680	PP2596	0.45	29/11/2023
230660	824689	PP2597	0.25	29/11/2023
230664	824699	PP2598	0.39	29/11/2023
230667	824708	PP2599	0.9	29/11/2023
230671	824717	PP2600	1.31	29/11/2023
230674	824727	PP2601	beyond dear fence	29/11/2023
230678	824736	PP2602	beyond dear fence	29/11/2023
230682	824745	PP2603	beyond dear fence	29/11/2023
230685	824755	PP2604	beyond dear fence	29/11/2023
230689	824764	PP2605	beyond dear fence	29/11/2023
230692	824773	PP2606	beyond dear fence	29/11/2023
230696	824783	PP2607	beyond dear fence	29/11/2023
230699	824792	PP2608	beyond dear fence	29/11/2023
230703	824801	PP2609	beyond dear fence	29/11/2023
230707	824811	PP2610	beyond dear fence	29/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230710	824820	PP2611	beyond dear fence	29/11/2023
230362	823885	PP2612	1.1	16/11/2023
230365	823894	PP2613	0.6	16/11/2023
230369	823903	PP2614	0.44	16/11/2023
230372	823913	PP2615	0.52	16/11/2023
230376	823922	PP2616	0.32	16/11/2023
230380	823931	PP2617	0.53	16/11/2023
230383	823941	PP2618	0.5	16/11/2023
230387	823950	PP2619	0.6	16/11/2023
230390	823959	PP2620	1.68	16/11/2023
230394	823969	PP2621	1.39	16/11/2023
230398	823978	PP2622	1.3	16/11/2023
230401	823987	PP2623	0.69	16/11/2023
230405	823997	PP2624	0.8	16/11/2023
230408	824006	PP2625	0.65	16/11/2023
230412	824015	PP2626	1.2	16/11/2023
230415	824025	PP2627	1.31	16/11/2023
230419	824034	PP2628	1.38	16/11/2023
230423	824043	PP2629	0.66	16/11/2023
230426	824053	PP2630	0.49	16/11/2023
230430	824062	PP2631	0.72	16/11/2023
230433	824071	PP2632	1	16/11/2023
230437	824081	PP2633	1.13	16/11/2023
230441	824090	PP2634	1.28	16/11/2023
230444	824099	PP2635	1.01	16/11/2023
230448	824109	PP2636	0.98	16/11/2023
230451	824118	PP2637	1.17	16/11/2023
230455	824127	PP2638	0.69	16/11/2023
230458	824137	PP2639	0.7	16/11/2023
230462	824146	PP2640	0.59	16/11/2023
230466	824155	PP2641	0.48	16/11/2023
230469	824165	PP2642	0.69	16/11/2023
230473	824174	PP2643	0.41	16/11/2023
230476	824183	PP2644	0.62	16/11/2023
230480	824193	PP2645	0.87	16/11/2023
230484	824202	PP2646	1.1	16/11/2023
230487	824211	PP2647	1.24	16/11/2023
230491	824221	PP2648	0.85	16/11/2023
230494	824230	PP2649	1.75	16/11/2023
230498	824239	PP2650	1.1	16/11/2023
230501	824249	PP2651	1.12	16/11/2023
230505	824258	PP2652	1.05	16/11/2023
230509	824267	PP2653	1.24	16/11/2023
230512	824277	PP2654	2.82	16/11/2023
230516	824286	PP2655	2.01	16/11/2023
230519	824295	PP2656	2.1	16/11/2023
230523	824305	PP2657	1.47	16/11/2023
230527	824314	PP2658	0.92	16/11/2023
230530	824323	PP2659	0.73	16/11/2023
230534	824333	PP2660	0.79	16/11/2023
230537	824342	PP2661	0.73	16/11/2023
230541	824351	PP2662	0.32	16/11/2023
230544	824361	PP2663	0.32	16/11/2023
230548	824370	PP2664	0.41	16/11/2023
230552	824379	PP2665	0.83	29/11/2023
230555	824389	PP2666	1.19	29/11/2023
230559	824398	PP2667	1.43	29/11/2023
230562	824408	PP2668	2.35	29/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230566	824417	PP2669	2.54	29/11/2023
230570	824426	PP2670	0.56	29/11/2023
230573	824436	PP2671	0.29	29/11/2023
230577	824445	PP2672	0.35	29/11/2023
230580	824454	PP2673	0.42	29/11/2023
230584	824464	PP2674	0.28	29/11/2023
230587	824473	PP2675	0.36	29/11/2023
230591	824482	PP2676	0.27	29/11/2023
230595	824492	PP2677	0.36	29/11/2023
230598	824501	PP2678	0.48	29/11/2023
230602	824510	PP2679	0.35	29/11/2023
230605	824520	PP2680	0.28	29/11/2023
230609	824529	PP2681	0.27	29/11/2023
230613	824538	PP2682	0.4	29/11/2023
230616	824548	PP2683	0.43	29/11/2023
230620	824557	PP2684	0.4	29/11/2023
230623	824566	PP2685	0.43	29/11/2023
230627	824576	PP2686	0.42	29/11/2023
230631	824585	PP2687	0.36	29/11/2023
230634	824594	PP2688	0.43	29/11/2023
230638	824604	PP2689	0.37	29/11/2023
230641	824613	PP2690	0.3	29/11/2023
230645	824622	PP2691	0.36	29/11/2023
230648	824632	PP2692	0.39	29/11/2023
230652	824641	PP2693	0.31	29/11/2023
230656	824650	PP2694	0.28	29/11/2023
230659	824660	PP2695	0.3	29/11/2023
230663	824669	PP2696	0.58	29/11/2023
230666	824678	PP2697	0.36	29/11/2023
230670	824688	PP2698	0.61	29/11/2023
230674	824697	PP2699	0.7	29/11/2023
230677	824706	PP2700	0.85	29/11/2023
230681	824716	PP2701	0.85	29/11/2023
230684	824725	PP2702	1.14	29/11/2023
230688	824734	PP2703	beyond dear fence	29/11/2023
230691	824744	PP2704	beyond dear fence	29/11/2023
230695	824753	PP2705	beyond dear fence	29/11/2023
230699	824762	PP2706	beyond dear fence	29/11/2023
230702	824772	PP2707	beyond dear fence	29/11/2023
230706	824781	PP2708	beyond dear fence	29/11/2023
230709	824790	PP2709	beyond dear fence	29/11/2023
230713	824800	PP2710	beyond dear fence	29/11/2023
230717	824809	PP2711	beyond dear fence	29/11/2023
230720	824818	PP2712	beyond dear fence	29/11/2023
230724	824828	PP2713	beyond dear fence	29/11/2023
230372	823883	PP2714	0.96	16/11/2023
230375	823892	PP2715	0.66	16/11/2023
230379	823902	PP2716	0.63	16/11/2023
230382	823911	PP2717	0.58	16/11/2023
230386	823920	PP2718	0.7	16/11/2023
230390	823930	PP2719	0.68	16/11/2023
230393	823939	PP2720	1.2	16/11/2023
230397	823948	PP2721	1.12	16/11/2023
230400	823958	PP2722	1.57	16/11/2023
230404	823967	PP2723	1.42	16/11/2023
230407	823976	PP2724	0.67	16/11/2023
230411	823986	PP2725	0.79	16/11/2023
230415	823995	PP2726	1.94	16/11/2023

Easting	Northing	Point ID	Depth (m)	Date
230418	824004	PP2727	2.22	16/11/2023
230422	824014	PP2728	2.64	16/11/2023
230425	824023	PP2729	1.28	16/11/2023
230429	824032	PP2730	0.85	16/11/2023
230433	824042	PP2731	0.71	16/11/2023
230436	824051	PP2732	0.76	16/11/2023
230440	824060	PP2733	0.77	16/11/2023
230443	824070	PP2734	0.67	16/11/2023
230447	824079	PP2735	0.52	16/11/2023
230450	824088	PP2736	0.57	16/11/2023
230454	824098	PP2737	0.24	16/11/2023
230458	824107	PP2738	0.84	16/11/2023
230461	824116	PP2739	1.18	16/11/2023
230465	824126	PP2740	0.69	16/11/2023
230468	824135	PP2741	0.67	16/11/2023
230472	824144	PP2742	0.65	16/11/2023
230476	824154	PP2743	0.65	16/11/2023
230479	824163	PP2744	0.57	16/11/2023
230483	824172	PP2745	0.51	16/11/2023
230486	824182	PP2746	0.54	16/11/2023
230490	824191	PP2747	0.72	16/11/2023
230493	824200	PP2748	0.87	16/11/2023
230497	824210	PP2749	1	16/11/2023
230501	824219	PP2750	1.51	16/11/2023
230504	824228	PP2751	1.57	16/11/2023
230508	824238	PP2752	1.49	16/11/2023
230511	824247	PP2753	2.48	16/11/2023
230515	824256	PP2754	2.73	16/11/2023
230519	824266	PP2755	2.81	16/11/2023
230522	824275	PP2756	2.82	16/11/2023
230526	824284	PP2757	2.31	16/11/2023
230529	824294	PP2758	2.39	16/11/2023
230533	824303	PP2759	1.73	16/11/2023
230536	824312	PP2760	1.1	16/11/2023
230540	824322	PP2761	0.88	16/11/2023
230544	824331	PP2762	0.61	16/11/2023
230547	824340	PP2763	0.58	16/11/2023
230551	824350	PP2764	0.5	16/11/2023
230554	824359	PP2765	0.45	16/11/2023
230558	824368	PP2766	0.46	16/11/2023
230562	824378	PP2767	0.4	29/11/2023
230565	824387	PP2768	1.46	29/11/2023
230569	824397	PP2769	1.91	29/11/2023
230572	824406	PP2770	2.45	29/11/2023
230576	824415	PP2771	1.36	29/11/2023
230579	824425	PP2772	1.31	29/11/2023
230583	824434	PP2773	0.87	29/11/2023
230587	824443	PP2774	0.39	29/11/2023
230590	824453	PP2775	0.33	29/11/2023
230594	824462	PP2776	0.4	29/11/2023
230597	824471	PP2777	0.23	29/11/2023
230601	824481	PP2778	0.33	29/11/2023
230605	824490	PP2779	0.36	29/11/2023
230608	824499	PP2780	0.27	29/11/2023
230612	824509	PP2781	0.48	29/11/2023
230615	824518	PP2782	0.37	29/11/2023
230619	824527	PP2783	0.47	29/11/2023
230622	824537	PP2784	0.66	29/11/2023