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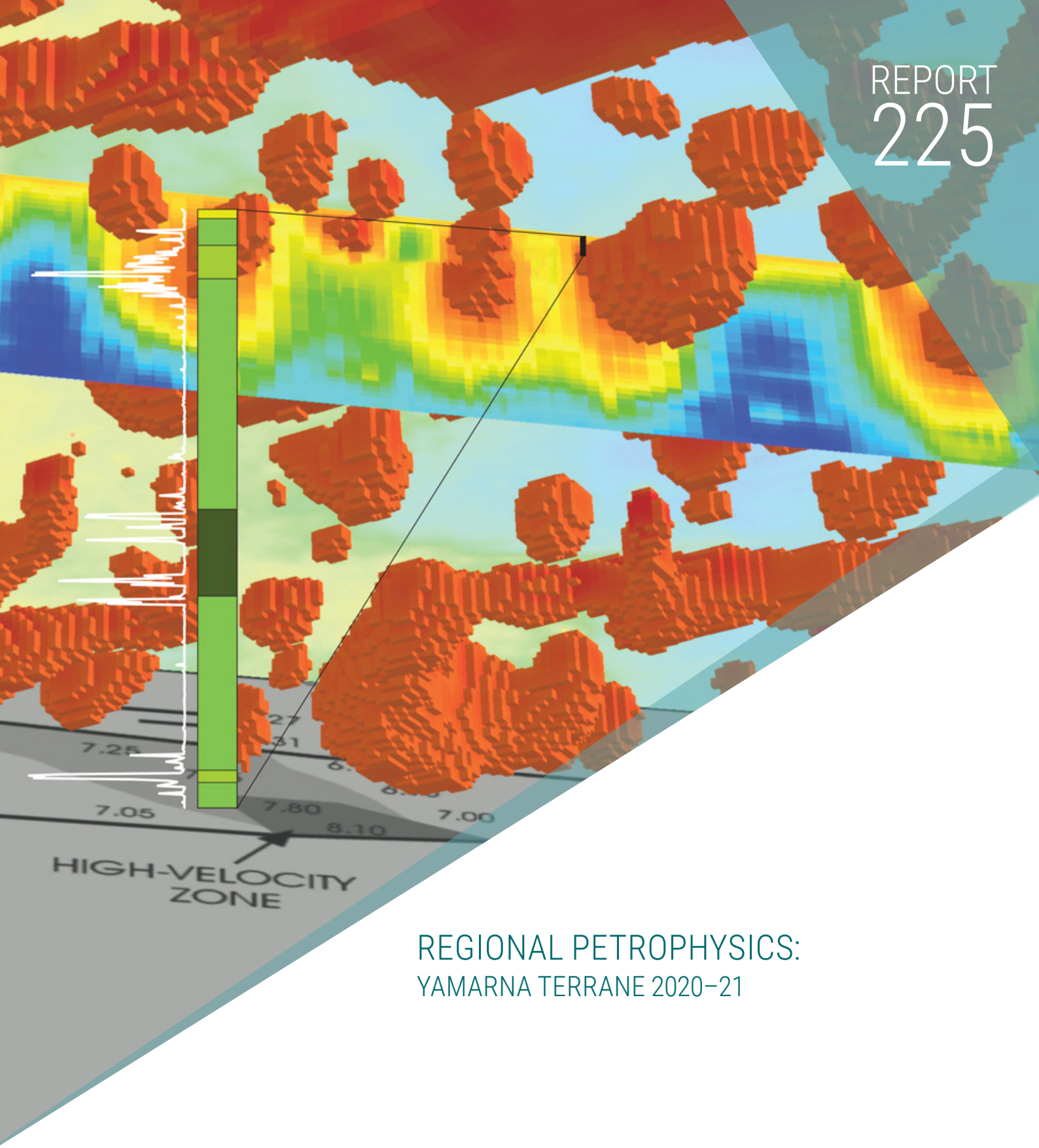

REGIONAL PETROPHYSICS:
YAMARNA TERRANE 2020–21

by
M Markoski, B Bourne and J Trunfull

Government of **Western Australia**
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by
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PERTH 2022

Geological Survey of Western Australia

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Cover photograph: Down core petrophysical data shown in relation to crustal scale density and velocity models

Introduction

The Geological Survey of Western Australia's (GSWA) regional petrophysics project aims to provide a dataset of high-quality petrophysical measurements that can assist with the interpretation of geophysical data. The project commenced in 2020, in collaboration with Terra Petrophysics, and is funded by the Exploration Incentive Scheme (EIS). To date, petrophysical data have been collected from EIS co-funded drillcore, company drillcore, and GSWA stratigraphic drillcore. All the drillcore sampled for petrophysics have HyLogger data (or will have) and most have open-file company assay data, available from the Mineral Exploration reports database (WAMEX). In 2020–21, a suite of seven petrophysical measurements has been collected from samples from the Paterson Orogen (n = 274), West Arunta (n = 975), Eucla basement (n = 93), Yamarna Terrane (n = 346) and Kalgoorlie Terrane (n = 1651). For each project, a report and datasheet have been produced by Terra Petrophysics. The report contains a description of the methods, a first-pass analysis of the data, a summary of the petrophysical measurements (Appendix 1) and a photo of each sample (Appendix 2). The complete dataset of petrophysical measurements, lithological information and supplementary material can be found in the datasheets. This report describes the petrophysical data acquired from the Yamarna Terrane in 2020–21 (Fig. 1; Table 1). We would like to acknowledge Gold Road for their support in acquiring this data.

Report 225 Regional petrophysics: Yamarna Terrane 2020–21 (including appendices) can be downloaded as a free PDF from the DMIRS eBookshop.

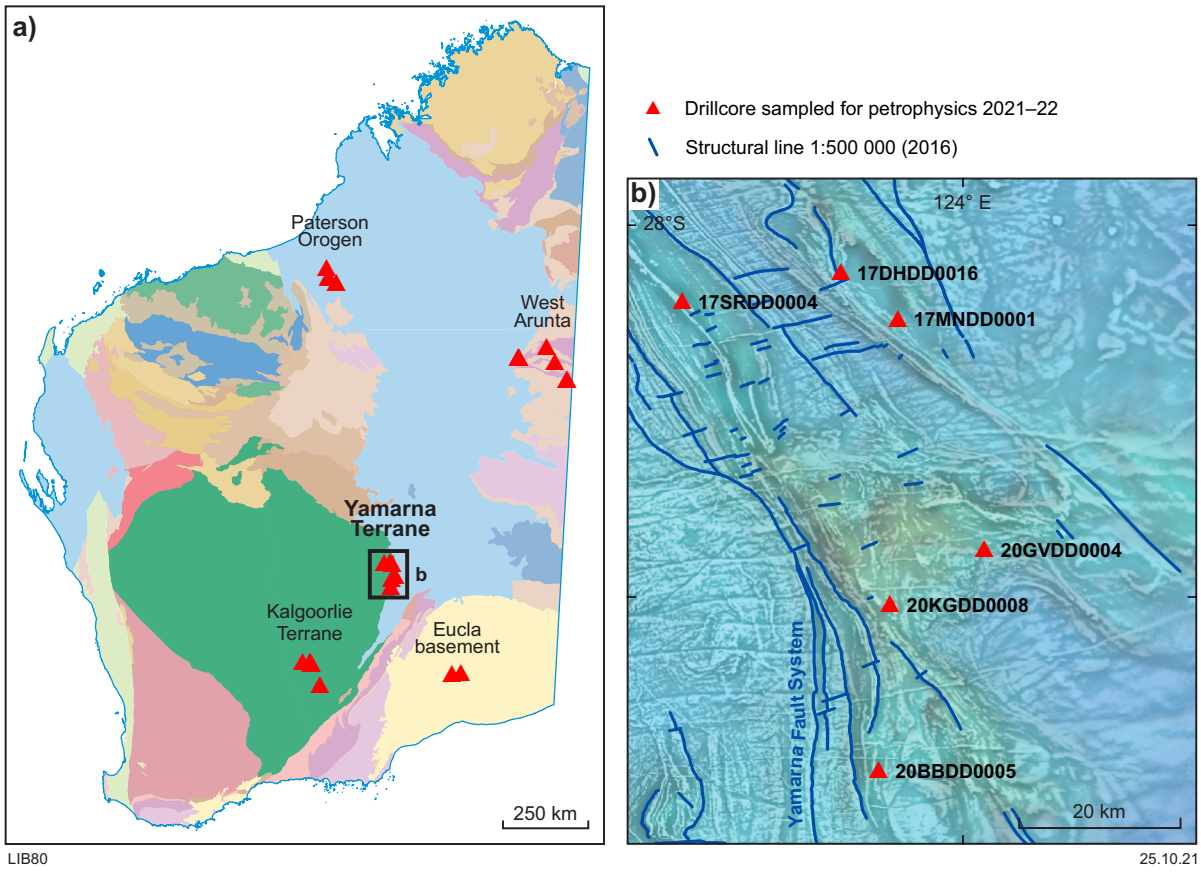

Figure 1. Drillcores sampled for petrophysics in 2020–21: a) all drillcores shown on tectonic units map (2016); b) Yamarna Terrane drillcores shown on Bouguer gravity data (colour) draped with 1VD total magnetic intensity data (greyscale)

Table 1. Yamarna Terrane drillcores sampled for petrophysics in 2020–21

Drillhole	*Datum*	*UTM zone*	*Easting*	*Northing*	*Azimuth*	*Dip*	*Depth (m)*	*Petrophysical samples*	*Source of core*
17SRDD0004	GDA94	51	567705	6891369	242	–60	199.6	47	Company
17DHDD0016	GDA94	51	585026	6895499	273	–60	338.6	75	Company
20BBDD0005	GDA94	51	588529	6821347	273	–57	165.6	54	Company
20KGDD0008	GDA94	51	589958	6845977	270	–61	400.0	78	Company
20GVDD0004	GDA94	51	600235	6854158	132	–60	285.7	59	Company
17MNDD0001	GDA94	51	591151	6888607	240	–60	205.0	33	Company

TERRA PETROPHYSICS PTY. LTD.

(ABN 71 613 484 807)

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA

YAMARNA TERRANE

WESTERN AUSTRALIA

TECHNICAL REPORT NO. 21_009

DATUM / PROJECTION

GDA94 / MGA Zone 51

DISTRIBUTION

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Mila Markoski
Geoscientist
July 2021

TERRA PETROPHYSICS

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1. INTRODUCTION

Terra Petrophysics have performed petrophysical analysis of 346 rock (drill core) samples from the Yamarna Terrane, Western Australia. These samples have been selected and provided by GSWA in a joint initiative with Terra Petrophysics to develop an understanding of physical properties of rocks in the region and to assist with the interpretation of geophysical field data. Petrophysical analysis includes measurement of the following physical properties:

- Induced Polarisation (Chargeability) and Galvanic Resistivity
- Inductive Conductivity
- Magnetic Susceptibility
- Remanent Magnetisation; the ratio of induced- to remanent-magnetisation intensity of the sample (known as the Koenigsberger Ratio, Q), as well as an estimate of the total remanent vector (relative to drill hole).
- Dry Bulk Density
- Apparent Porosity
- P-wave Sonic Velocity

During analysis, Terra Petrophysics utilise standards and reference samples to ensure precision and accuracy.

2. PETROPHYSICS

2.1 Sample Preparation

Samples for physical property measurements should be carefully selected for quality and representation of geology and/or alteration. Terra recommends samples between the sizes of 10cm to 15cm. In this study all samples were of adequate size and quality. The size and shape of the sample need to be determined for most physical property measurements (e.g. geometric and core size correction factors). All samples and cores are returned to the client.

All samples are photographed and marked with Terra sample numbers. Samples for which magnetic remanence vector measurements are requested should be oriented in space. All samples should be accompanied by a project name, a brief description of each sample, requested physical property procedures and final disposal requirement for the samples.

Physical property determinations are non-destructive procedures, however sample preparation requires the sample to have flat/square ends and sometimes requires them to be cut with a rock saw. In addition, samples are required to be submerged in water for 24 hours before being measured. Samples containing clays can absorb water and break. Extra caution is taken with these samples.

2.2 Inductive Conductivity

The inductive conductivity measurement is made in the frequency domain at 10,000 Hz via an external magnetic field inducing a small current in the sample. The measurement is most influenced by sample material at the receiver coil and within a 10 cm radius from the centre of the sample.

Inductive conductivity is calculated from the difference in amplitude between the sample and free air measurements. The limits of detectability are 0.1 S/m (maximum 100,000 S/m) and resulting data are presented in S/m. Several inductive conductivity measurements will be made and reported when the sample size permits.

2.3 Induced Polarization and Resistivity

The apparent resistivity and induced polarization (or chargeability) determinations are measured in time domain. The resistivity and chargeability values are measured by passing a constant current through the sample and then switching it on and off at 2 second intervals. While the current is flowing through the sample, the resistivity (ohm-m) is calculated. When the current is switched off, the voltage across the sample drops and a decay curve is measured. The induced polarization (mV/V) is calculated from this decay between 450-1100 milliseconds after turn off (Newmont Standard). Resistivity and induced polarization values are stacked and averaged a minimum of 10 times for one reading. Terra provide the average results for two readings (minimum).

Some samples (for example, silica rich samples) can be so resistive as to act dielectric. Electricity does not flow through the sample as if it were conductive, but charged particles are shifted minutely from their original position. When the current is removed the charged particles slowly (due to the high resistivity of the sample) relax to their original state. Therefore, samples are measured to be more chargeable than would be recognised by a field IP survey.

2.4 Wet/Dry Bulk Density and Porosity

The density determinations are calculated using Archimedes Principle. Dry bulk densities are determined by dry weight divided by the buoyancy determined volume of each sample. Porosities are calculated from water saturated weights, dry weights, and the buoyancy-determined volume. All sample are soaked for at least 24 hours after dry weights are measured.

The accuracy of the buoyancy technique of density measurement is 0.01 grams per cubic centimetre (g/cm^3). The results of the laboratory density determinations are reported in grams per cubic centimetre. Density measurements can be made on grab samples or drill core. Very large or heavy samples (>1 kg) require coring or breaking prior to the density determination.

2.5 Magnetic Susceptibility and Remanence

The magnetic susceptibility is measured by a magnetic susceptibility meter. The susceptibility is measured by using the meter to apply an external magnetic field to the sample at an operating frequency of 8 kHz. Magnetic susceptibility is calculated from the frequency difference between the sample and free air measurements. The limits of detectability are approximately 1×10^{-7} SI units and resulting data is presented in SI ($\times 10^{-3}$) units. The measurement is most influenced by sample material at the receiver coil and within a 10 cm radius from the centre of the sample. Magnetic susceptibility measurements can be made on core, hand and surface samples.

For magnetic samples ($>5 \times 10^{-3}$ SI) the magnetic remanence can be measured. The measurement of remanence (Jr) in the field and the ratio of remanence to the induced magnetization (J_{rem}/J_{ind} = Q) has in the past been problematic. The induced magnetization can be estimated using the susceptibility (k, where J_{ind} = kH and typically H = 40-50 Am^{-1}) which can be measured using a handheld meter, but magnetic remanence is more difficult.

A recent development in field instrumentation uses a miniature fluxgate magnetometer and a pendulum arrangement in which a magnetic rock may be swung generating a transient signal at the fluxgate which is converted to a magnetic moment and magnetization.

2.6 Velocity

Terra Petrophysics can acquire P-wave velocity measurements on samples with a minimum length of 15 centimetres. Measurements are taken at 50,000 Hz. The velocity measurement range is between 1500-9999 m/s.

3. RESULTS

A total of 346 samples have had petrophysical measurements taken and the results table is included as Appendix 1. Each sample is assigned a Terra ID and photographs of the samples have been included in Appendix 2. Raw data for the induced polarisation and resistivity measurements are included in the attached spreadsheet. Various plots of petrophysical data are given in Figures 2 to 13.

A legend corresponding to Figures 2 to 13 is given in Figure 1. The data points have been represented using two different categories: Au content (ppm), which is represented by cool-warm colours and lithology, which is represented by shape. Black-coloured data points have no Au assay information to report.

Figure 1. Legend corresponding to Figures 2 to 13.

Dry bulk density and magnetic susceptibility data for the dataset range from 2.13 to 3.83 g/cm^3 and 0.002 to 1593 $(\times 10^{-3})$ SI respectively, and are shown in Figure 2. There appears to be an overall positive correlation between these values, which could be a function of increasing magnetite and/or pyrrhotite content (Figure 2, grey trendline). The following observations have been made from the dataset:

- Banded-iron formation samples (circled in red) exhibit the highest magnetic susceptibility of the dataset (1533-1593 $(\times 10^{-3})$ SI) and correspond to a relatively high density of 3.17 – 3.59 g/cm^3.
- The highest Au content (5.067 ppm) was detected in an amphibolite sample, which exhibits a low magnetic susceptibility of 0.736 $(\times 10^{-3})$ SI and a moderate dry bulk density of 2.76 g/cm^3.
- Wacke and dolerite samples exhibit a wide range of magnetic susceptibility (from 0.266 up to 1168 $(\times 10^{-3})$ SI).
- Volcaniclastic rock, basalt and mylonite samples exhibit low to moderate magnetic susceptibility values (0.1 – 200 $(\times 10^{-3})$ SI).
- All other remaining lithology classes (amphibolite, andesite, dacite, diorite, granite, quartz vein, rhyolite, shale, slate) exhibit low magnetic susceptibility (0.001 – 20 $(\times 10^{-3})$ SI).

Emerson and Yang (1997) showed that magnetic mineral content can be estimated from magnetic susceptibility by using a simple transform (Figure 3). Using this, a BIF sample containing 0.042 ppm of Au, with the highest magnetic susceptibility of 1593 $\times 10^{-3}$ SI can be estimated to contain 30% magnetite.

Emerson (1990) has summarised dry bulk density values for common lithologies, which is given in Figure 4 and can be compared to the data collected in this project.

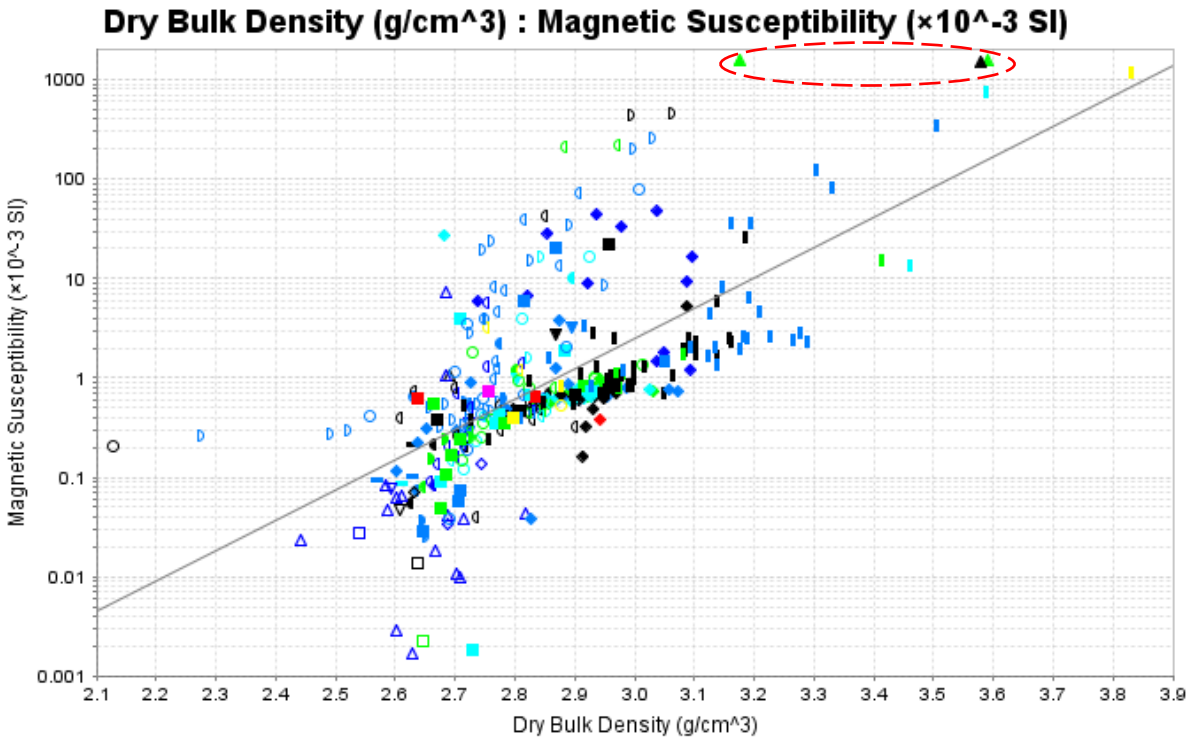


Figure 2. Cross-plot of dry bulk density against magnetic susceptibility.

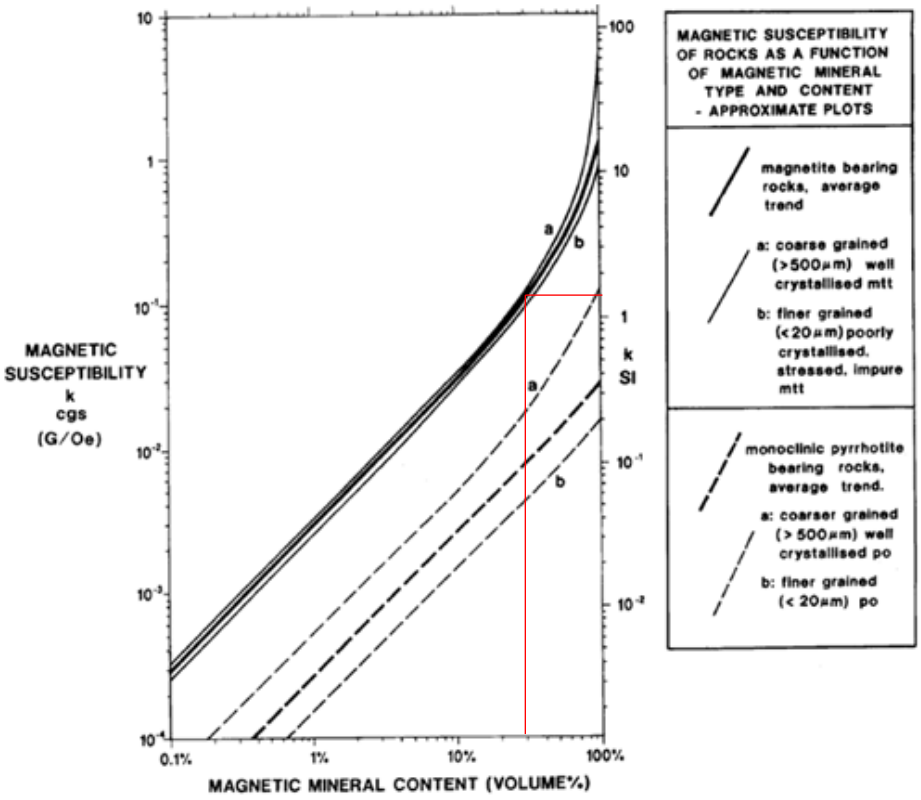


Figure 3. Theoretical magnetic mineral content (magnetite – solid lines; pyrrhotite – dashed lines) as a function of measured magnetic susceptibility (Emerson, 1997)

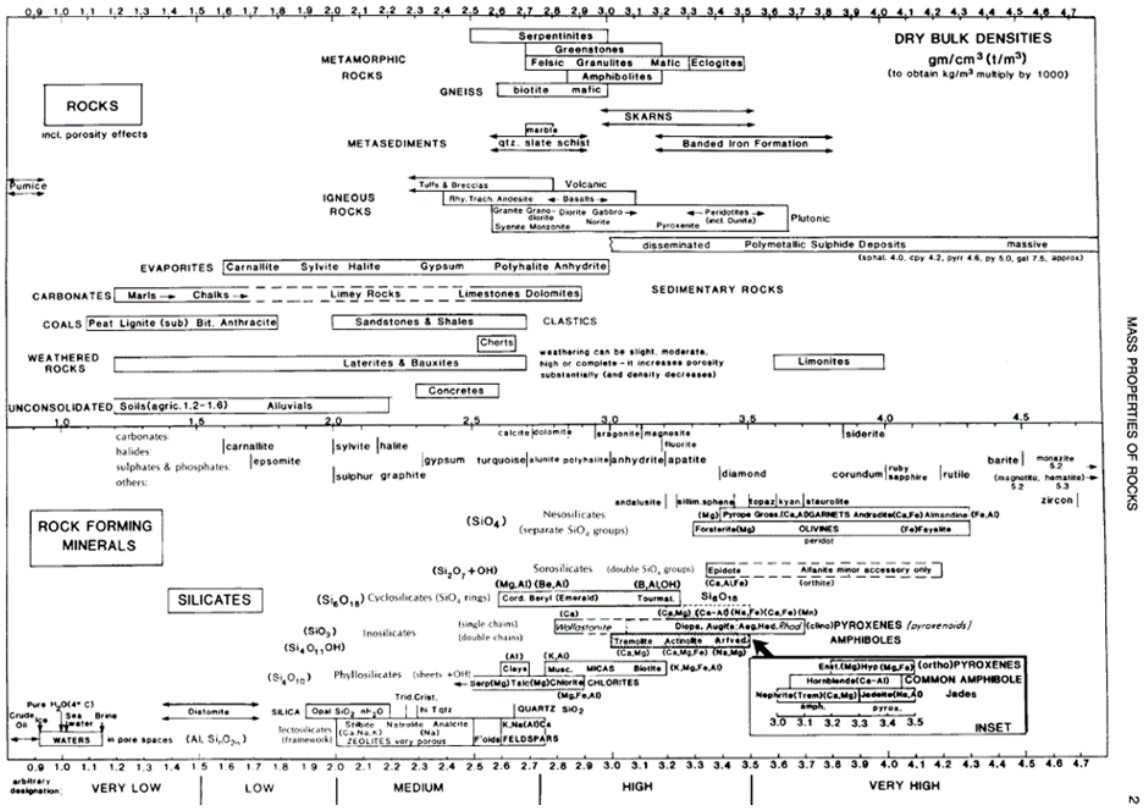


Figure 4. Dry bulk density ranges for common rock types (Emerson, 1990)

The samples in this suite exhibit a wide range of resistivity values, from 6 to >1,000,000 Ωm, however the majority of the data range between 1,000 and 900,000 Ωm. Figure 5 shows resistivity against dry bulk density data, and the following observations have been made:

- Shale samples exhibit a broad range of resistivity values, from 6 to 563,758 Ωm.
- Some shale and wacke samples (circled in red) exhibit low resistivity (<100 Ωm) and low dry bulk density (<2.8 g/cm^3). Low resistivity wacke samples produce this response due to weathering (increased clay content), the low resistivity shales produce this response due to either, increased carbon content (e.g. graphite) and/or sulphide mineralisation.
- Dolerite samples exhibit moderate-high resistivity values (1114-224,780 Ωm), except samples 21TR2864 and 21TR2847, which return low resistivity, 13 and 400 Ωm, respectively. This is likely due to minor disseminated sulphides present.
- Amphibolite, dacite, volcaniclastic rock and basalt return a broad resistivity range (100 to over 1,000,000).
- Rhyolite and slate samples return low to moderate resistivity values (from 370 to 1,000 Ωm).
- Mylonite and diorite exhibit high resistivity (35,000 to over 1,000,000).
- Two quartz vein samples (21TR2597 and 2807) return relatively low resistivity values (1,000 – 3,000 Ωm) due to carbonaceous shale clasts being present in 21TR2597 and carbonate filled fractures in 2807.

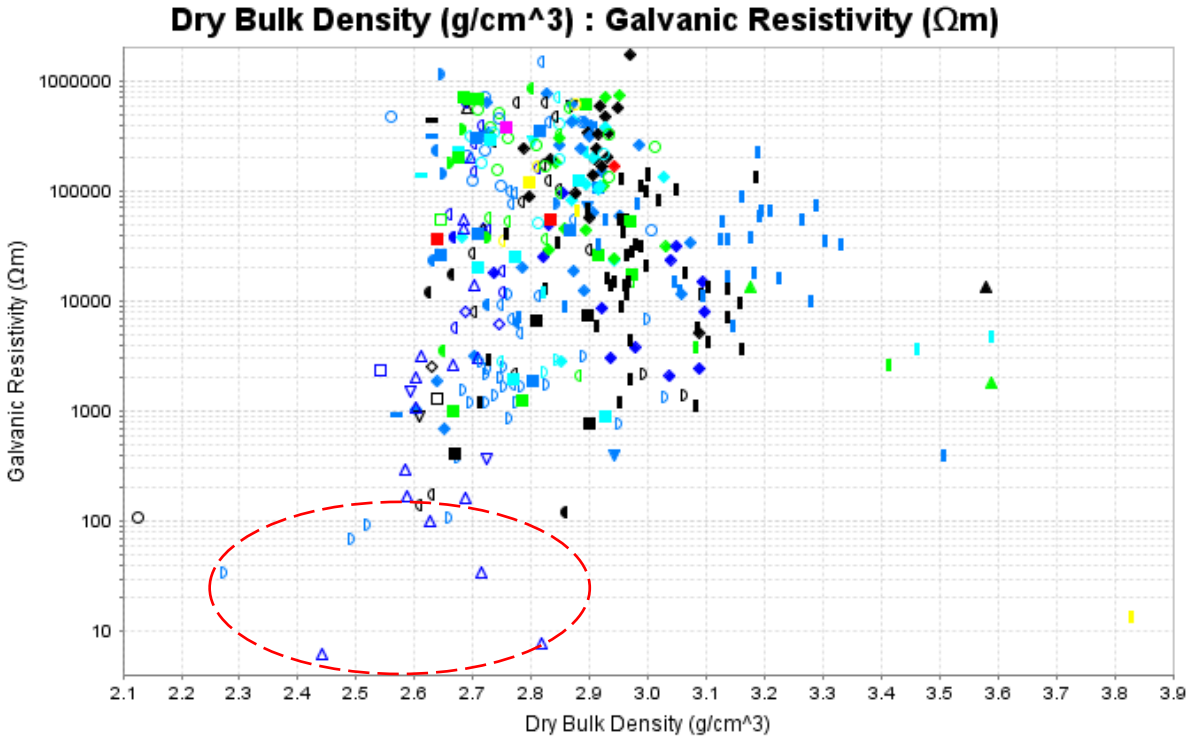


Figure 5. Cross-plot of dry bulk density against resistivity. Samples tend to cluster based on lithology, resistivity and dry bulk density.

Magnetic susceptibility data plotted against galvanic resistivity data for the sample suite is given in Figure 6. No correlations or trends are obvious.

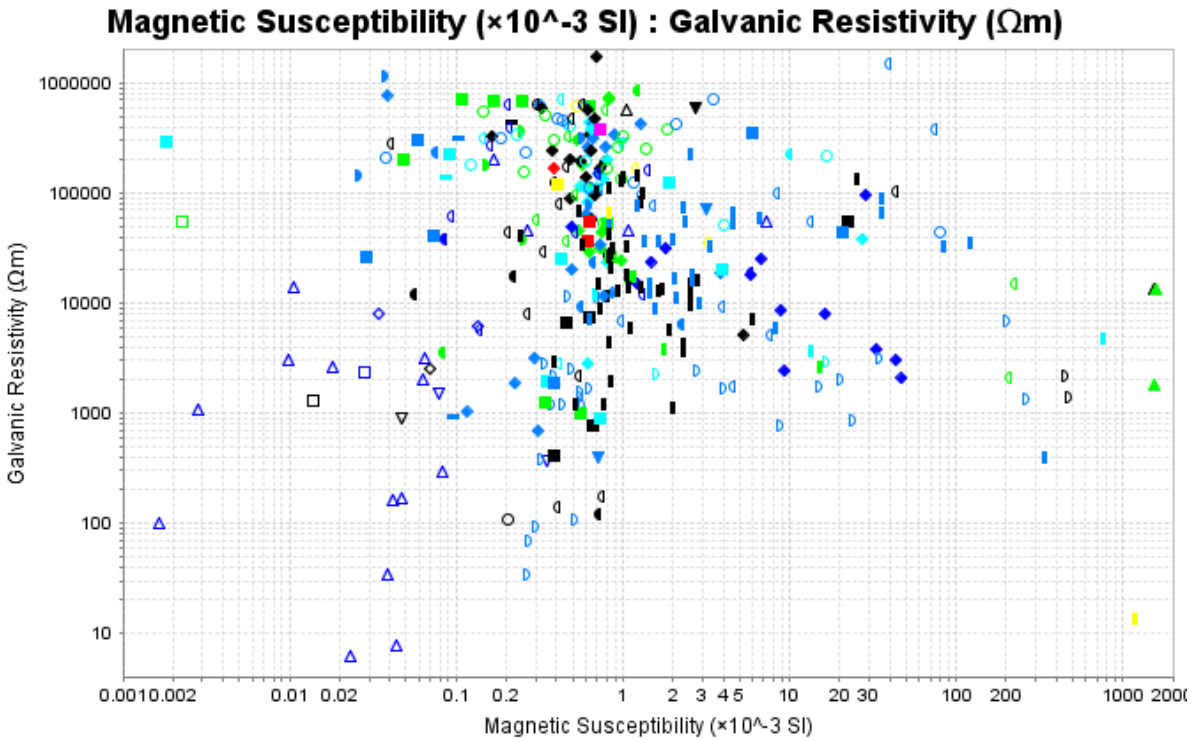
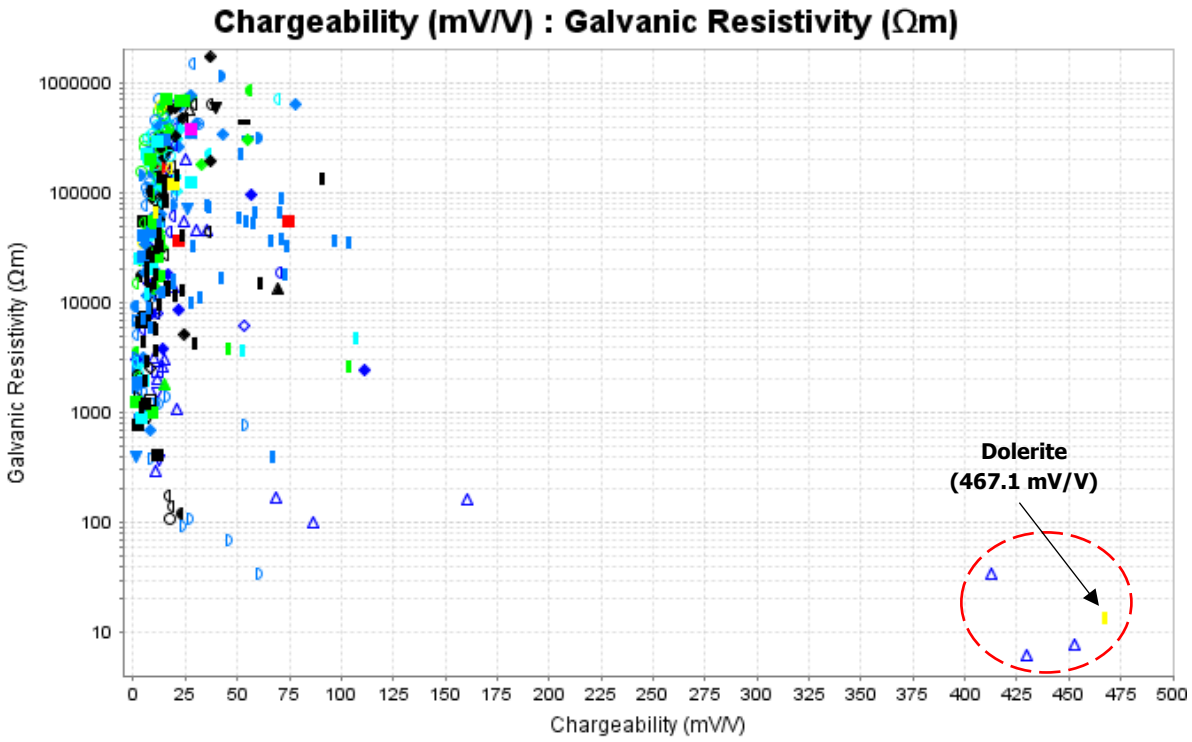


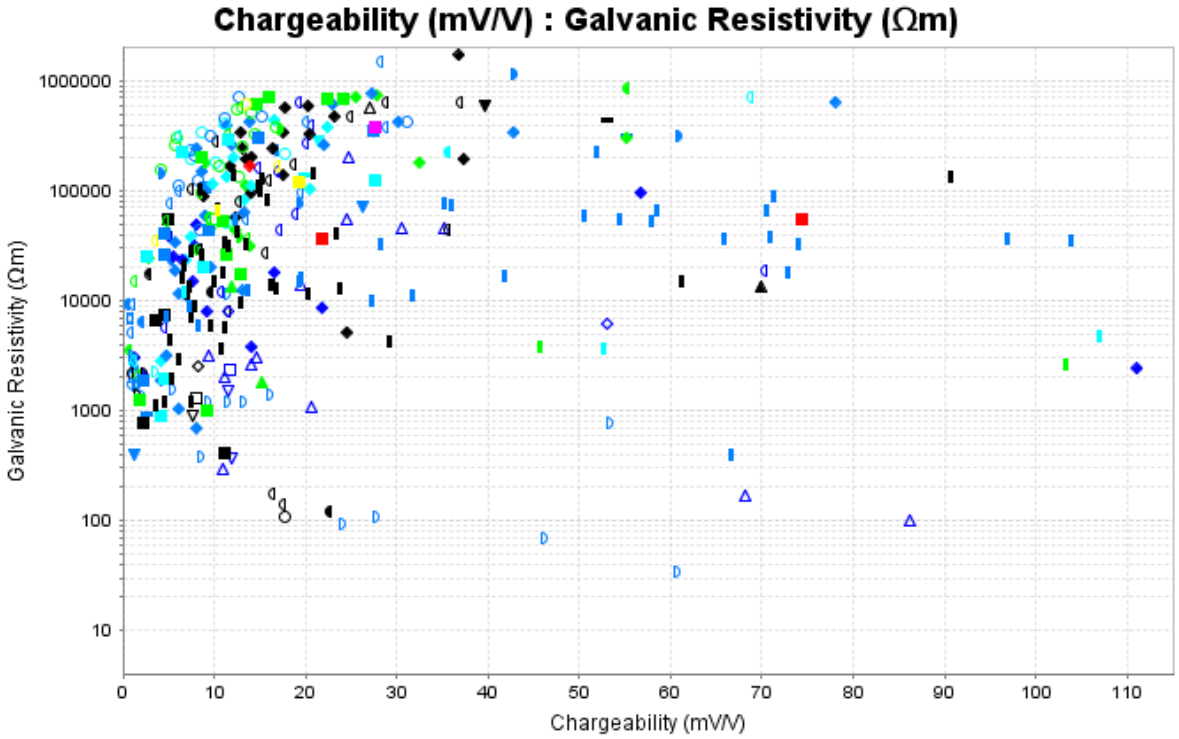
Figure 6. Cross-plot of magnetic susceptibility against resistivity.

Chargeability values for the sample suite range between 0.4 and 467.1 mV/V, and chargeability against galvanic resistivity is shown in Figure 7. The following observations were made from Figure 7:

- Dolerite samples produce a high chargeability response (25 – 110 mv/V) due to disseminated sulphides present.
- Circled in red are three shales and a dolerite sample, which show a high (>400 mV/V) chargeability, and a low resistivity response (<40 Ωm). Shales produce the strong chargeability response due to both, carbon content and sulphide mineralisation. The dolerite sample with 0.074 ppm Au exhibits the highest chargeability value of 467.1 mV/V, which corresponds to a resistivity of 13 Ωm. This is likely due to disseminated sulphides present in the sample.
- Wacke samples return higher chargeability values (25 – 60 mV/V), which correspond to lower resistivity (< 100 Ωm), however, this response is likely caused by weathering (increased clay content), not sulphide mineralisation.



(a)



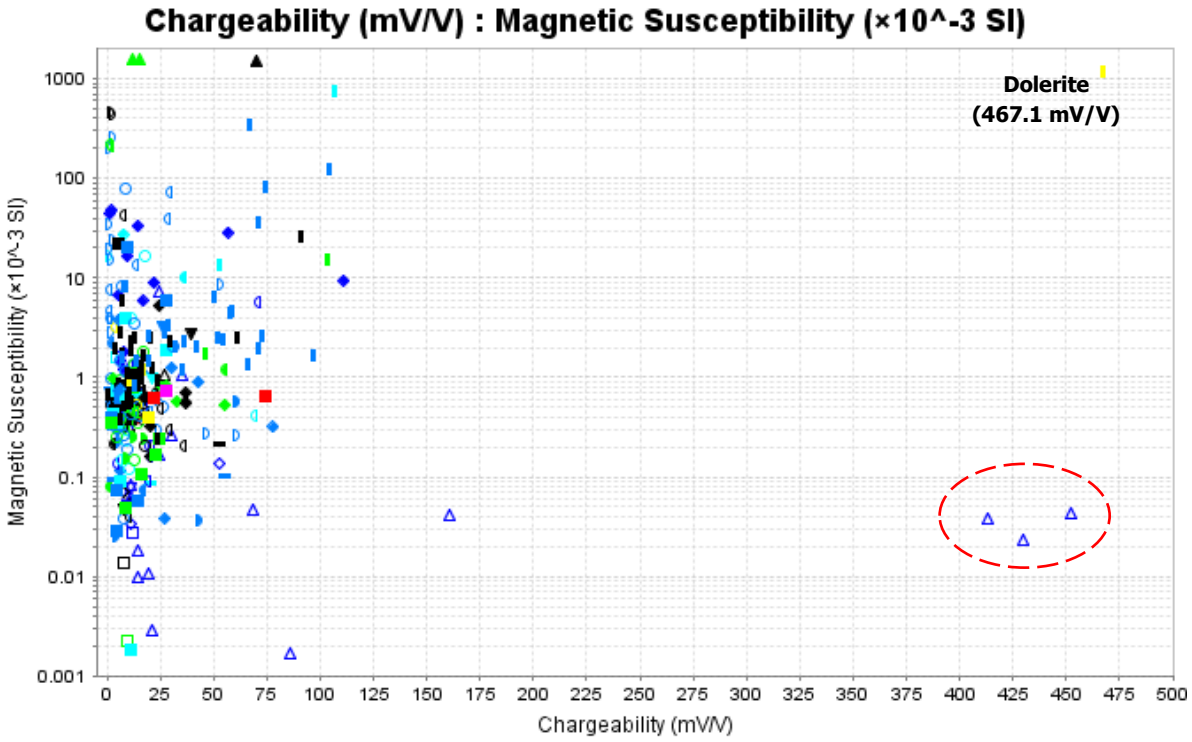
(b)

Figure 7. Cross-plot of chargeability against resistivity. (a) shows the full data extent, (b) shows a reduced scale for chargeability.

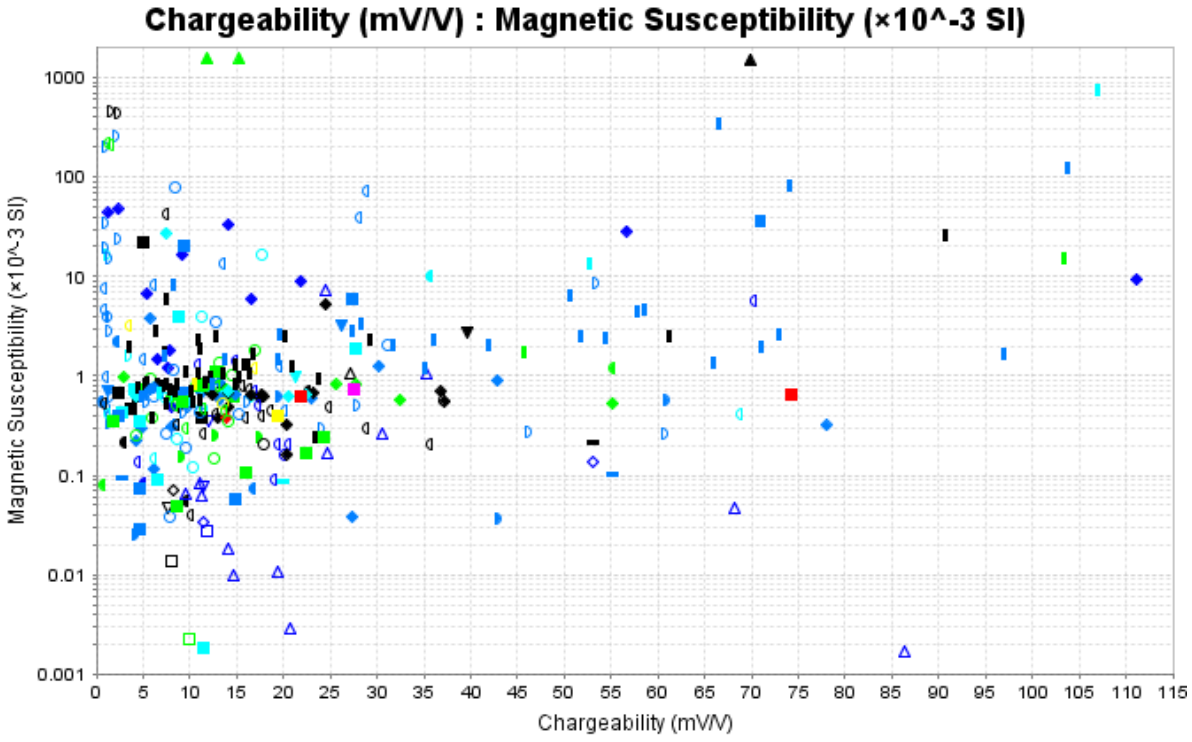
Chargeability is plotted against magnetic susceptibility in Figure 8. The shale samples that exhibit a very high chargeability response (>400 mV/V, Figure 7 a) correspond to a low magnetic susceptibility response (~0.03 $\times 10^{-3}$ SI) and negligible Au. The high chargeability response in the shales is likely due to carbon content (e.g. graphite) and/or sulphide mineralisation. The highly chargeable dolerite sample with disseminated sulphides corresponds to a magnetic susceptibility of 1168 $\times 10^{-3}$ SI and 0.074 ppm Au content.

An amphibolite sample with the highest Au content of 5.067 ppm corresponds to a low-moderate chargeability of 27.5 mV/V and a relatively low magnetic susceptibility of 0.736 $\times 10^{-3}$ SI.

There is a positive correlation between the properties in dolerites, potentially caused by disseminated sulphides, or a combination of magnetite and sulphides as demonstrated by Pittard and Bourne (2007).



(a)



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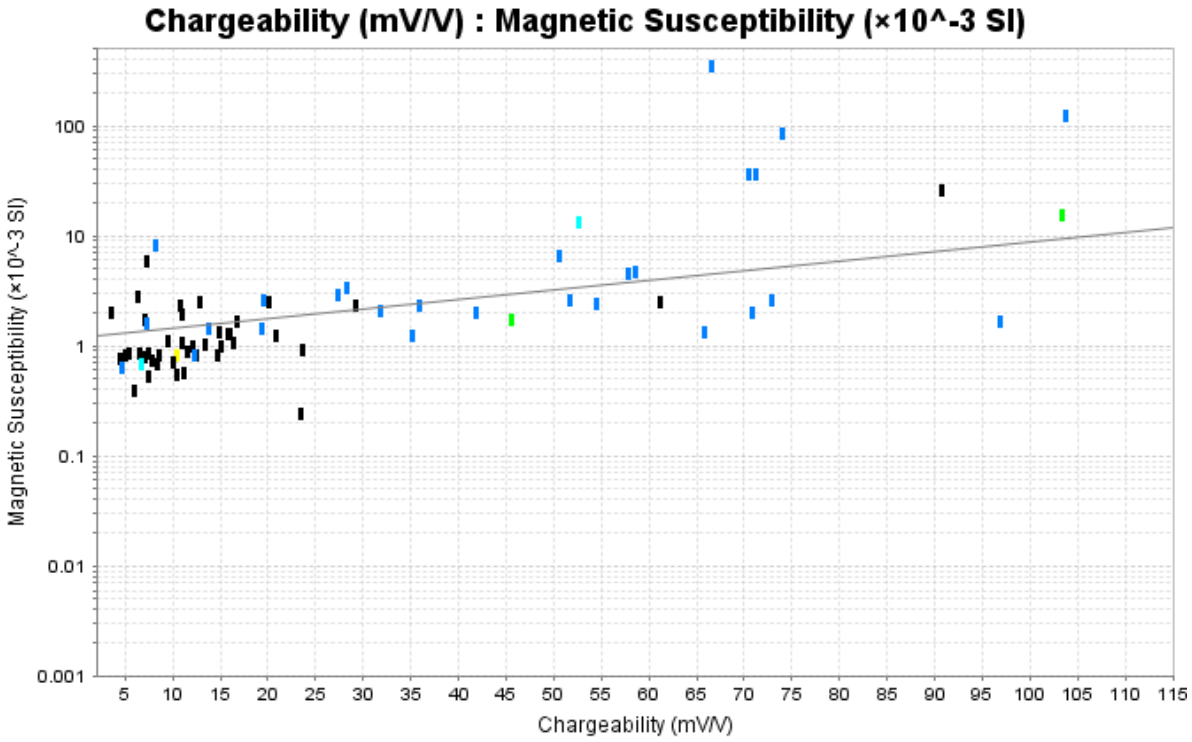


(c)

Figure 8. Cross-plot of chargeability against magnetic susceptibility. (a) shows the full extent of the data, (b) shows a reduced scale of chargeability, (c) shows only dolerite samples.

Inductive conductivity is plotted against chargeability in Figure 9, and only samples with a non-zero conductivity value are displayed on the plot.

Chargeability of a material is dependent on 4 major factors: the degree of sulphide or metallic mineralisation, presence of clays, the pore-water salinity, and the overall tortuosity of the pore-space network within the rock. Both a high inductive conductivity and a high chargeability may be indicative of the presence of sulphides within the sample, although conductivity tends to better respond to massive (connected) sulphides, while chargeability responds better to disseminated (disconnected) sulphides.

An inductive conductivity value of 313.4 S/m is observed in dolerite sample and corresponds to a chargeability of 52.7 mV/V, due to zones of intense sulphidisation present in the sample. The majority of samples have inductive conductivity values of less than 10 S/m, which correspond to a relatively low chargeability responses (< 30 mV/V), except for the shales previously noted.

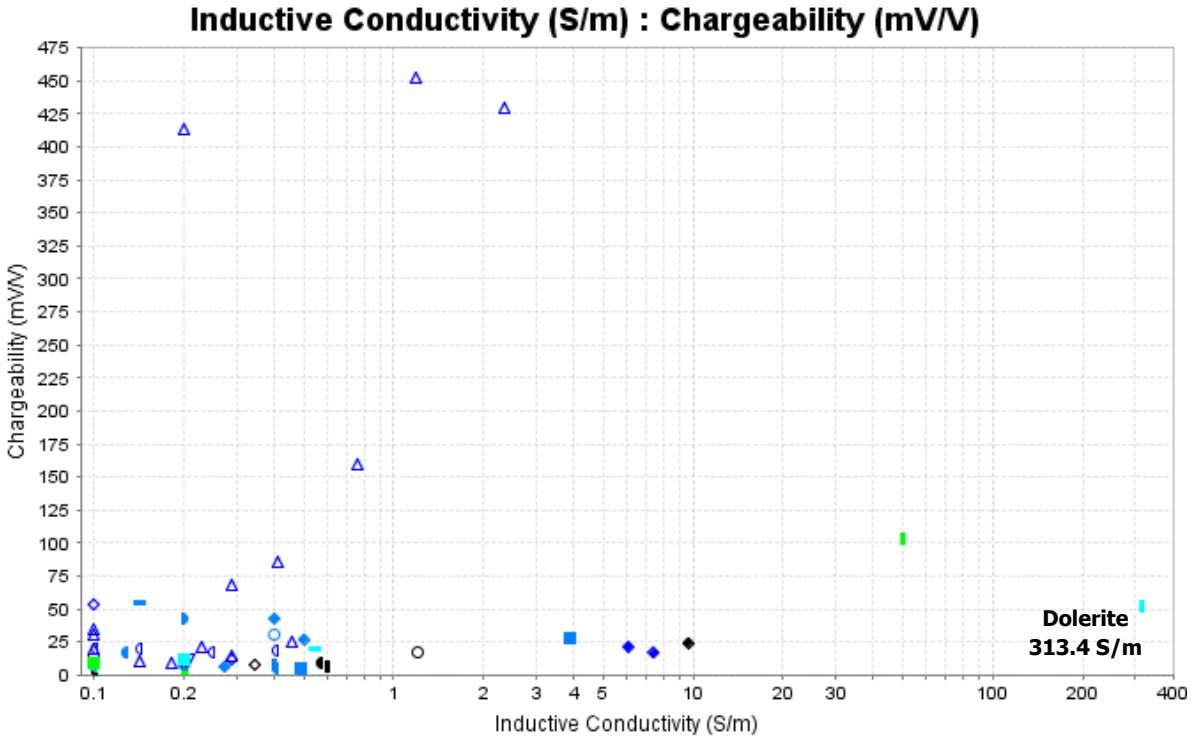
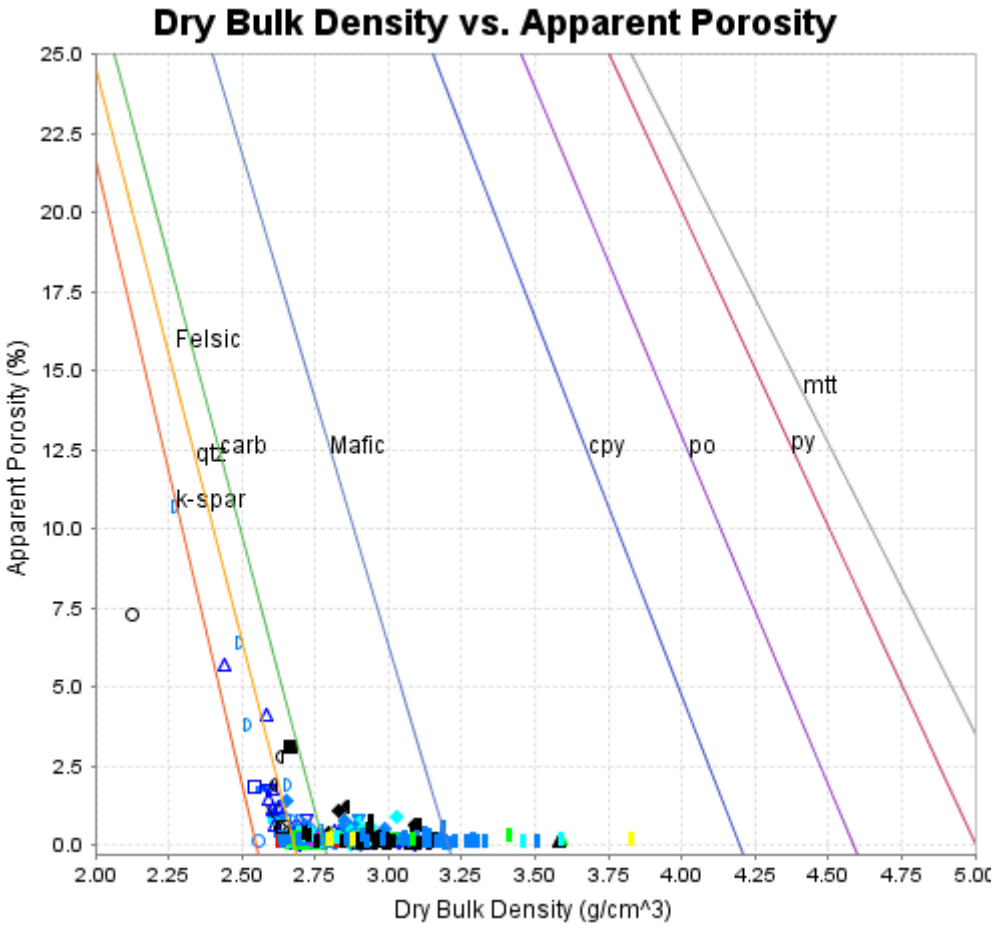


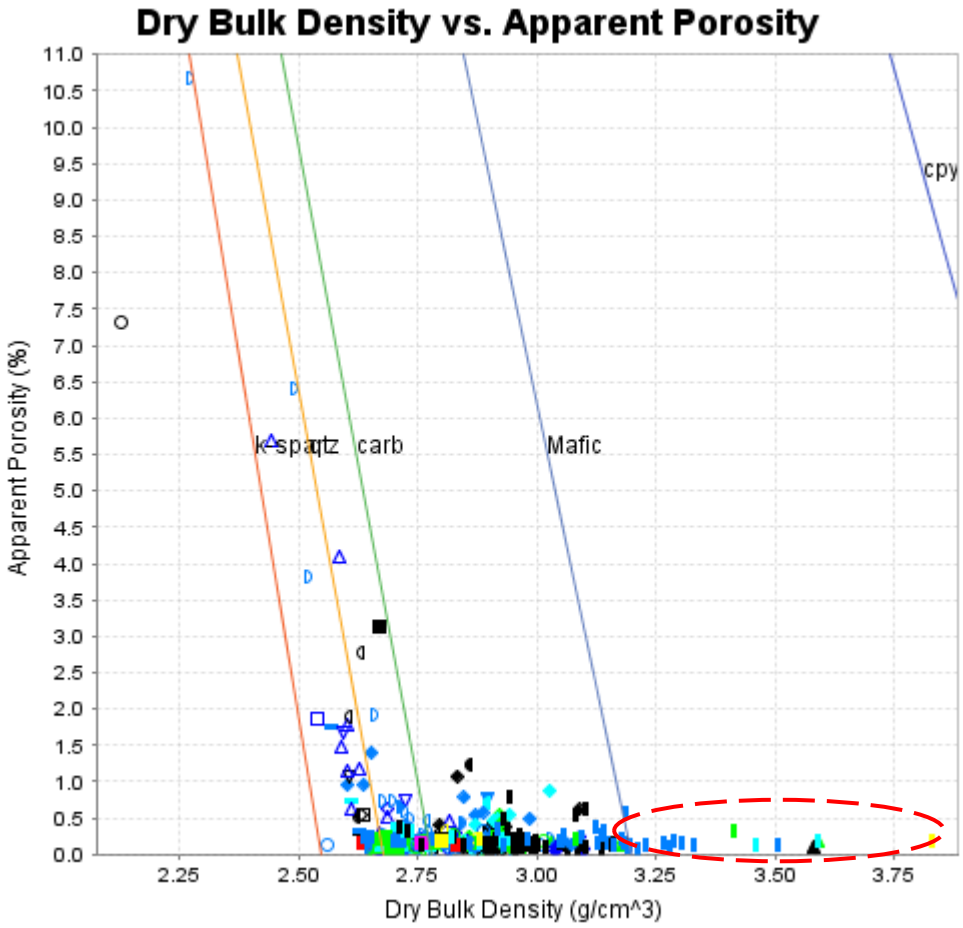
Figure 9. Cross-plot of inductive conductivity against chargeability.

Dry bulk density and apparent porosity values are plotted with reference mineral trends (Emerson & Yang, 1997) in Figure 10.

Apparent porosity values range up to 10.7% but are generally less than 0.5%, if the sample is not weathered. Most of the points plot between the 'felsic' and 'mafic' lines, but note that these do not account for alteration and/or sulphides – a felsic rock containing a high proportion of sulphides may plot nearer the 'mafic' line due to an increased density. Some dolerite samples with slightly elevated Au content show a dry bulk density greater than 3.25 g/cm^3 (circled in red, Figure 10 b).



(a)



(b)

Figure 10. Cross-plot of dry bulk density against porosity; (a) shows the full extent of the plot, (b) shows only data extent.

Dry bulk density is plotted against P-wave velocity in Figure 11. Contours of acoustic impedance are also shown (black), with their separation representing the contrast required to produce a minimum reflection coefficient (R=0.06) detectable by the seismic reflection method. The more contours the data overlaps, the more likely the seismic reflection method is to map lithological contrasts. P-wave velocity was unable to be measured on 30 samples due to insufficient sample length (<15 cm).

Data are spread over six contours and the P-wave velocity for the dataset ranges from 2,360 to 6,780 m/s.

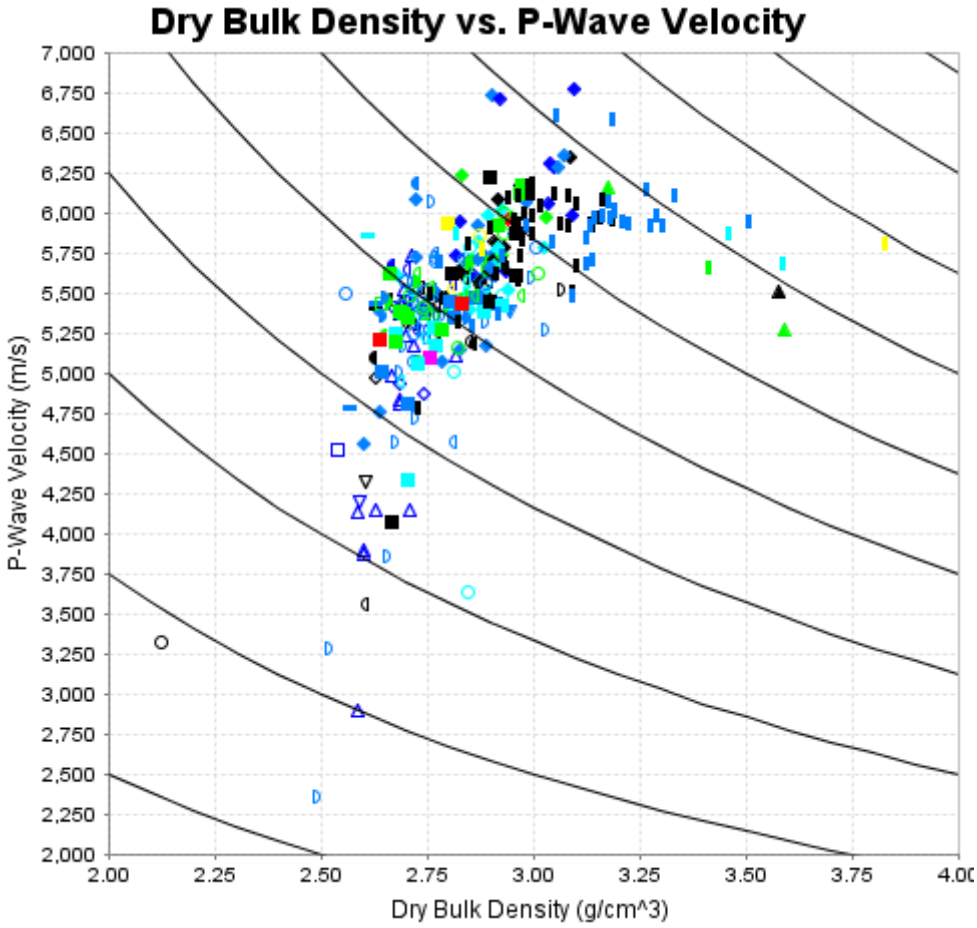


Figure 11. Cross-plot of dry bulk density against sonic (P-wave) velocity.

The induced and remanent magnetic vectors have been measured for samples that exhibited a magnetic susceptibility >10 $\times 10^{-3}$ SI, and samples with a chargeability >30 mV/V. Intensity of the induced vs. remanent vectors (J_{ind} vs. J_{rem}) is shown in Figure 12. Samples above the dotted line have a remanent magnetisation stronger than an induced magnetisation, i.e. their Koenigsberger Ratio (Q) is > 1.

In this dataset, 42 samples were measured as remanent-magnetisation dominant (Q>1) and 27 samples were measured as induced-magnetisation dominant (Q<1).

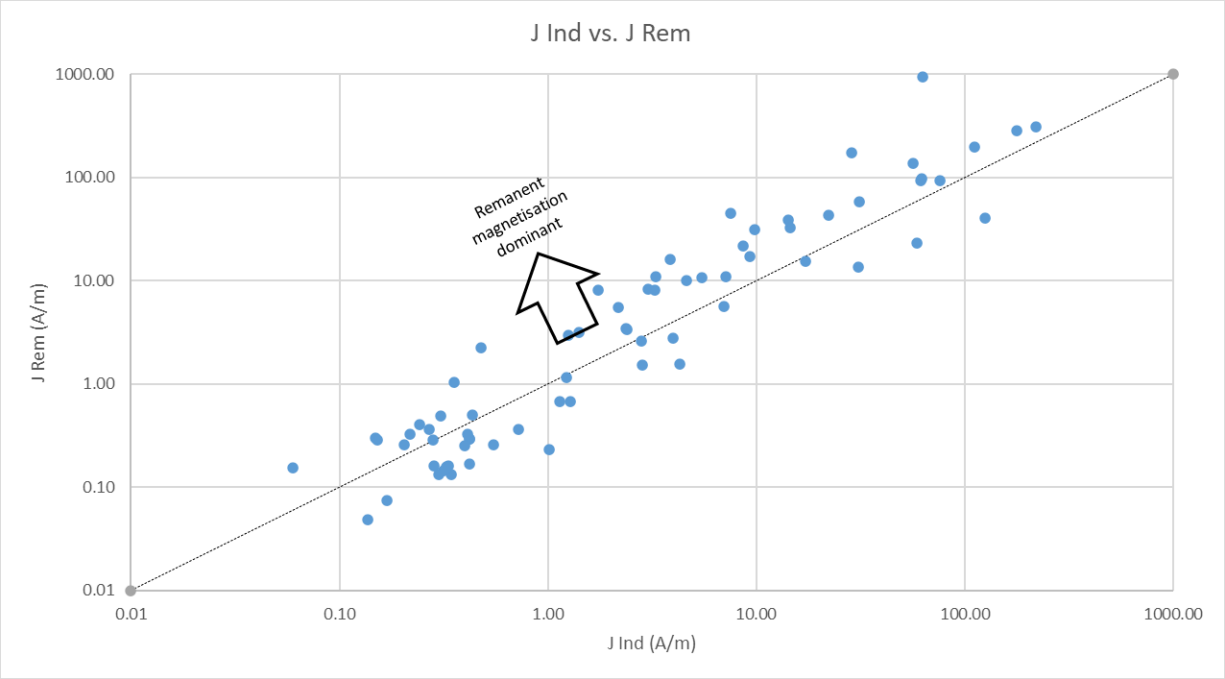


Figure 12. Cross-plot of intensity of J_{ind} versus J_{rem}. Samples above the trend line have Koenigsberger ratio (Q) greater than 1, indicating they are remanent-magnetisation dominant. Conversely, samples below the trend line have a Q value less than one, and are induced-magnetisation dominant.

An estimate of magnetic susceptibility has been calculated from the induced magnetic vector intensity and compared with measured magnetic susceptibility (Figure 13).

Samples with similar magnetic susceptibilities derived via each method plot closer to the trend line. Some variation is expected, especially in remanent-dominant (Q>1) samples where the effect of remanence can reduce the apparent magnetic susceptibility via destructive interference. This can be observed especially in samples with a high monoclinic pyrrhotite content.

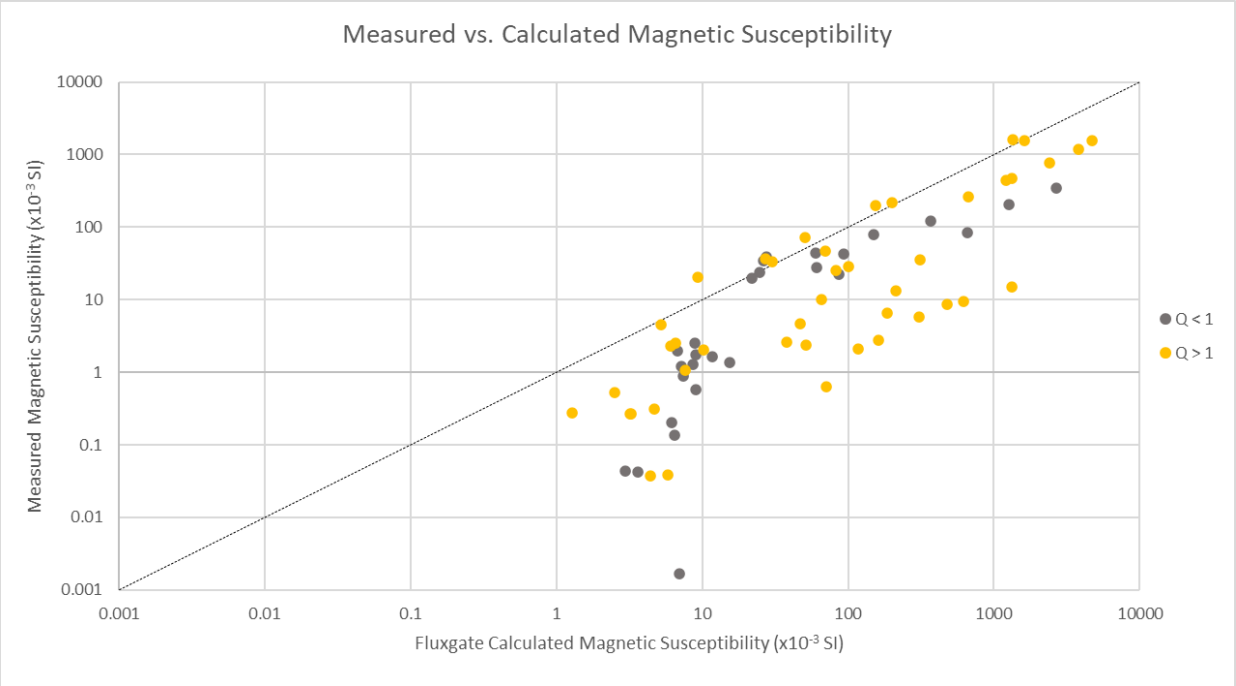


Figure 13. Logarithmic plot of magnetic susceptibility derived from fluxgate against measured magnetic susceptibility. Induced- and remanent-dominant samples are distinguished by different colours; grey represents Q<1 and orange represents Q>1.

4. CONCLUSION

Terra Petrophysics has performed petrophysical analysis of 346 rock samples from Yamarna, Western Australia. This petrophysical data has been integrated with geological logging and elemental assays, and some high-level observations have been presented in this report. A summary of the findings is given below.

- Dry bulk density and magnetic susceptibility data for the dataset range from 2.13 to 3.83 g/cm^3 and 0.002 to 1,593 $(\times 10^{-3})$ SI respectively.
- A wide range of resistivity data has been recorded, with the majority of the data falling between 10^3 and 10^6 Ωm.
- Chargeability values for the sample suite range from 0.4 to 467.1 mV/V, with most samples exhibiting a value less than 100 mV/V.
- 55 samples recorded an inductive conductivity >0, ranging up to 313.4 S/m but with the majority being less than 10 S/m.
- The apparent porosity of some (weathered) samples is as high as 10.7%, however samples exhibited a porosity less than 0.5 %.
- P-wave velocity for the data set ranges from 2,360 to 6,780 m/s.
- Of the samples that exhibit a high magnetic susceptibility and high chargeability, 42 were remanent-magnetisation dominant and 27 were induced-magnetisation dominant.
- Banded-iron formation samples exhibit the highest magnetic susceptibilities of the dataset (1533-1593 $(\times 10^{-3})$ SI) and correspond to relatively high density (3.17 – 3.59 g/cm^3).
- The highest Au assay (5.067 ppm), in an amphibolite sample, corresponds to a magnetic susceptibility of 0.736 $\times 10^{-3}$ SI, a dry bulk density of 2.76 g/cm^3, a resistivity value of 379,978 Ωm and a chargeability value of 27.5 mV/V.
- Some shale samples exhibit a strong chargeability response (>400 mV/V) and a low galvanic resistivity (<40 Ωm). This response is likely due to carbon content (e.g., graphite) and/or sulphide mineralisation.
- There is a positive correlation between chargeability and magnetic susceptibility in dolerites, potentially caused by sulphides or both, sulphides and magnetite content.

5. REFERENCES

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APPENDIX 1 – DATA TABLES

Sample Information						Magnetic Properties		Mass Properties			Seismic Properties		Electrical Properties		
TR Sample ID	Client Sample ID	Lithology	Drillhole ID	From	To	Magnetic Susceptibility	Koenigsberger Ratio (Q)	Dry Bulk Density	Apparent Porosity	Grain Density	P-Wave Velocity	Acoustic Impedance	Galvanic Resistivity	Chargeability	Inductive Conductivity
				(m)	(m)	(×10^-3 SI)		(g/cm^3)	(%)	(g/cm^3)	(m/s)	(g/cm^3)*(m/s)	(Ωm)	(mV/V)	(S/m)
21TR2535	252932	Dacite	20GVDD0004	83.95	84.10	0.055		2.62	0.53%	2.64	5100	13375	11914	9.5	0.6
21TR2536	252933	Dacite	20GVDD0004	86.85	87.00	0.081		2.65	0.07%	2.65	5240	13865	3596	0.6	0.2
21TR2537	252934	Amphibolite	20GVDD0004	87.18	87.33	0.629		2.90	0.32%	2.91	6230	18055	7291	4.5	0
21TR2538	252935	Dacite	20GVDD0004	89.95	90.10	0.704		2.86	1.23%	2.89	5190	14823	120	22.5	0
21TR2539	252936	Amphibolite	20GVDD0004	94.20	94.35	0.688		2.91	0.14%	2.92	5440	15851	106681	9.1	0
21TR2540	252937	Dacite	20GVDD0004	95.40	95.55	0.653		2.63	0.20%	2.63	NA	NA	23218	5.2	0.4
21TR2541	252938	Basalt	20GVDD0004	96.95	97.10	0.674		2.90	0.01%	2.90	6740	19565	391384	11.2	0
21TR2542	252939	Dacite	20GVDD0004	98.45	98.60	0.556		2.72	0.07%	2.72	6190	16841	9315	0.4	0
21TR2543	252940	Basalt	20GVDD0004	101.35	101.50	0.616		2.85	0.15%	2.86	5400	15404	2836	4.2	0
21TR2544	252941	Amphibolite	20GVDD0004	104.12	104.27	0.631		2.89	0.07%	2.90	5640	16319	610080	14.6	0
21TR2545	252942	Basalt	20GVDD0004	104.95	105.10	0.631		2.90	0.06%	2.90	5640	16341	342890	12.9	0
21TR2546	252943	Basalt	20GVDD0004	105.25	105.40	0.633		2.87	0.03%	2.87	5830	16746	441486	16.6	0
21TR2547	252944	Dacite	20GVDD0004	108.20	108.35	0.074		2.63	0.27%	2.64	5400	14221	232368	16.6	0.1
21TR2548	252945	Basalt	20GVDD0004	113.20	113.35	0.657		2.89	0.12%	2.90	5440	15732	429636	13.9	0
21TR2549	252946	Andesite	20GVDD0004	119.83	119.98	3.163		2.90	0.76%	2.92	NA	NA	71415	26.2	0
21TR2550	252947	Dacite	20GVDD0004	123.40	123.55	1.194		2.80	0.12%	2.80	5400	15113	844192	55.1	0
21TR2551	252948	Dacite	20GVDD0004	125.20	125.35	2.204		2.77	0.12%	2.78	5490	15221	6447	2.0	0
21TR2552	252949	Dacite	20GVDD0004	129.65	129.80	9.997	2.79	2.89	0.71%	2.91	5510	15940	223638	35.5	0
21TR2553	252950	Andesite	20GVDD0004	131.55	131.70	0.710		2.94	0.12%	2.95	5390	15865	394	1.2	0
21TR2554	252988	Andesite	20GVDD0004	133.09	133.24	2.731	6.01	2.87	0.16%	2.87	5550	15922	586107	39.6	0
21TR2555	252951	Andesite	20GVDD0004	133.45	133.60	0.985		2.80	0.14%	2.81	5420	15196	285512	21.3	0
21TR2556	252989	Basalt	20GVDD0004	137.60	137.75	0.709		2.92	0.36%	2.93	5690	16625	151257	8.7	0
21TR2557	252952	Basalt	20GVDD0004	140.30	140.45	0.627		2.89	0.58%	2.90	5740	16564	244964	8.1	0
21TR2558	252953	Basalt	20GVDD0004	144.25	144.40	0.591		2.87	0.54%	2.88	5930	17014	611409	22.9	0
21TR2559	252954	Basalt	20GVDD0004	146.12	146.27	0.794		2.99	0.49%	3.00	6070	18123	265268	11.8	0
21TR2560	252955	Basalt	20GVDD0004	154.95	155.10	0.486		2.80	0.40%	2.81	5480	15321	88246	8.8	0
21TR2561	252956	Basalt	20GVDD0004	155.90	156.05	0.377		2.79	0.24%	2.79	5480	15267	246522	13.0	0
21TR2562	252990	Basalt	20GVDD0004	156.50	156.65	0.806		2.94	0.55%	2.96	5520	16235	23380	6.9	0
21TR2563	252957	Basalt	20GVDD0004	158.25	158.40	0.640		2.92	0.53%	2.94	5700	16660	112073	13.4	0
21TR2564	252958	Basalt	20GVDD0004	161.95	162.10	0.778		2.91	0.44%	2.92	5820	16937	194368	13.5	0
21TR2565	252959	Basalt	20GVDD0004	166.60	166.70	0.737		3.03	0.17%	3.04	5980	18129	31116	13.9	0
21TR2566	252960	Basalt	20GVDD0004	168.97	169.12	0.725		2.92	0.16%	2.93	5790	16914	166831	11.8	0
21TR2567	252961	Basalt	20GVDD0004	177.85	178.00	0.748		2.89	0.15%	2.90	5700	16486	44568	12.2	0
21TR2568	252962	Basalt	20GVDD0004	180.85	181.00	0.615		2.87	0.42%	2.88	5590	16039	81600	13.3	0
21TR2569	252963	Basalt	20GVDD0004	185.65	185.80	0.638		2.95	0.21%	2.96	5870	17333	60009	9.0	0
21TR2570	252964	Basalt	20GVDD0004	190.27	190.42	0.602		2.91	0.04%	2.91	5750	16716	63168	13.2	0
21TR2571	252965	Basalt	20GVDD0004	194.90	195.05	0.603		2.91	0.05%	2.91	5710	16591	140055	17.5	0
21TR2572	252966	Granite	20GVDD0004	201.91	202.06	0.217		2.63	0.30%	2.64	5410	14224	438356	53.0	0
21TR2573	252967	Granite	20GVDD0004	204.15	204.30	0.104		2.63	0.34%	2.64	5440	14302	319494	55.2	0.1

Sample Information						Magnetic Properties		Mass Properties			Seismic Properties		Electrical Properties		
TR Sample ID	Client Sample ID	Lithology	Drillhole ID	From	To	Magnetic Susceptibility	Koenigsberger Ratio (Q)	Dry Bulk Density	Apparent Porosity	Grain Density	P-Wave Velocity	Acoustic Impedance	Galvanic Resistivity	Chargeability	Inductive Conductivity
				(m)	(m)	(×10^-3 SI)		(g/cm^3)	(%)	(g/cm^3)	(m/s)	(g/cm^3)*(m/s)	(Ωm)	(mV/V)	(S/m)
21TR2574	252968	Basalt	20GVDD0004	208.85	209.00	0.618		2.85	0.79%	2.87	5700	16232	261122	22.0	0
21TR2575	252969	Basalt	20GVDD0004	215.15	215.30	0.539		2.86	0.25%	2.86	5710	16309	44891	9.6	0
21TR2576	252970	Basalt	20GVDD0004	217.80	217.95	0.574	0.89	2.84	0.15%	2.85	5490	15608	180808	32.4	0
21TR2577	252971	Basalt	20GVDD0004	220.40	220.55	0.533	0.00	2.85	0.17%	2.85	5690	16202	302099	55.1	0
21TR2578	252972	Basalt	20GVDD0004	228.95	229.10	0.561		2.83	1.08%	2.86	5630	15942	193404	37.2	0
21TR2579	252973	Basalt	20GVDD0004	234.35	234.50	27.513	0.54	2.68	0.14%	2.68	5610	15040	38579	7.4	0
21TR2580	252974	Diorite	20GVDD0004	238.10	238.25	0.624		2.84	0.44%	2.85	5350	15205	77358	19.4	0
21TR2581	252975	Diorite	20GVDD0004	243.50	243.65	0.570		2.72	0.66%	2.73	5480	14878	315823	60.8	0
21TR2582	252976	Basalt	20GVDD0004	247.35	247.51	0.628		2.92	0.49%	2.93	5770	16826	104940	20.5	0
21TR2583	252977	Basalt	20GVDD0004	249.70	249.85	0.808		2.91	0.47%	2.92	5670	16484	198774	12.0	0
21TR2584	252978	Basalt	20GVDD0004	252.30	252.45	0.656		2.93	0.39%	2.94	5790	16983	342621	17.6	0
21TR2585	252979	Basalt	20GVDD0004	255.30	255.45	0.819		2.93	0.44%	2.94	5740	16799	707868	25.5	0
21TR2586	252980	Basalt	20GVDD0004	259.10	259.25	0.763		3.03	0.88%	3.05	5790	17523	133734	11.3	0
21TR2587	252981	Granite	20GVDD0004	263.39	263.54	0.096		2.57	1.75%	2.61	4790	12301	942	2.7	0
21TR2588	252982	Basalt	20GVDD0004	268.72	268.87	0.115		2.60	0.96%	2.63	4560	11861	1025	6.1	0.3
21TR2589	252983	Basalt	20GVDD0004	271.94	272.08	0.308		2.65	1.40%	2.69	NA	NA	698	8.1	0
21TR2590	252984	Basalt	20GVDD0004	273.00	273.15	0.316	1.48	2.72	0.42%	2.74	6090	16591	645029	78.0	0
21TR2591	252985	Granite	20GVDD0004	276.85	277.00	0.087		2.61	0.75%	2.63	5860	15302	138378	19.9	0.5
21TR2592	252986	Basalt	20GVDD0004	278.50	278.65	0.294		2.70	0.28%	2.71	NA	NA	3216	4.8	0
21TR2593	252987	Basalt	20GVDD0004	283.30	283.45	0.223		2.64	0.96%	2.66	4760	12553	1864	4.2	0
21TR2594	252991	Volcaniclastic rock	20BBDD0005	5.41	5.56	0.265		2.70	0.35%	2.71	NA	NA	8092	11.3	0
21TR2595	252992	Rhyolite	20BBDD0005	7.31	7.46	0.047		2.61	1.07%	2.64	4320	11263	883	7.6	0.2
21TR2596	252993	Rhyolite	20BBDD0005	8.32	8.47	0.078		2.59	1.69%	2.64	4200	10887	1491	11.5	0.2
21TR2597	252994	Quartz vein	20BBDD0005	17.17	17.32	0.028		2.54	1.87%	2.59	4530	11507	2373	11.7	0.1
21TR2598	252995	Rhyolite	20BBDD0005	22.00	22.15	0.352		2.72	0.74%	2.74	NA	NA	370	12.0	0
21TR2599	252996	Shale	20BBDD0005	23.73	23.88	0.082		2.58	4.11%	2.70	2900	7495	290	11.0	0
21TR2600	252997	Volcaniclastic rock	20BBDD0005	27.68	27.83	0.091		2.66	0.14%	2.66	NA	NA	62443	18.9	0.4
21TR2601	252998	Shale	20BBDD0005	32.83	32.98	0.063		2.60	1.79%	2.65	3880	10096	2034	11.2	0.1
21TR2602	252999	Shale	20BBDD0005	35.15	35.30	0.064		2.61	0.63%	2.63	NA	NA	3103	9.5	0.2
21TR2603	253000	Volcaniclastic rock	20BBDD0005	42.44	42.59	0.138		2.67	0.06%	2.67	5410	14435	5648	4.4	0
21TR2604	253001	Slate	20BBDD0005	45.90	46.05	0.070		2.63	0.56%	2.64	4970	13072	2551	8.2	0.3
21TR2605	253002	Shale	20BBDD0005	51.50	51.65	0.003		2.60	1.14%	2.63	3900	10145	1062	20.7	0.2
21TR2606	253003	Slate	20BBDD0005	56.08	56.23	0.135	0.44	2.74	0.19%	2.75	4870	13362	6160	53.0	0.1
21TR2607	253004	Slate	20BBDD0005	58.00	58.15	0.035		2.69	0.62%	2.70	4940	13279	7918	11.5	0.3
21TR2608	253005	Shale	20BBDD0005	60.15	60.30	0.023		2.44	5.70%	2.59	NA	NA	6	429.5	2.3
21TR2609	253006	Shale	20BBDD0005	63.25	63.40	0.002	0.46	2.63	1.19%	2.66	4150	10905	99	86.3	0.4
21TR2610	253007	Shale	20BBDD0005	65.56	65.71	0.047		2.59	1.48%	2.63	4140	10715	168	68.2	0.3
21TR2611	253008	Shale	20BBDD0005	68.74	68.89	7.323		2.68	0.08%	2.69	5370	14413	55839	24.6	0
21TR2612	253009	Shale	20BBDD0005	73.98	74.13	1.060		2.69	0.15%	2.69	5450	14662	563758	27.1	0

Sample Information						Magnetic Properties		Mass Properties			Seismic Properties		Electrical Properties		
TR Sample ID	Client Sample ID	Lithology	Drillhole ID	From	To	Magnetic Susceptibility	Koenigsberger Ratio (Q)	Dry Bulk Density	Apparent Porosity	Grain Density	P-Wave Velocity	Acoustic Impedance	Galvanic Resistivity	Chargeability	Inductive Conductivity
				(m)	(m)	(×10^-3 SI)		(g/cm^3)	(%)	(g/cm^3)	(m/s)	(g/cm^3)*(m/s)	(Ωm)	(mV/V)	(S/m)
21TR2613	253010	Shale	20BBDD0005	76.15	76.30	0.168		2.70	0.05%	2.70	5530	14907	203373	24.8	0.5
21TR2614	253011	Volcaniclastic rock	20BBDD0005	77.29	77.44	0.204		2.69	0.03%	2.69	5410	14535	632781	19.3	0.1
21TR2615	253012	Volcaniclastic rock	20BBDD0005	83.10	83.25	0.160		2.70	0.12%	2.70	5450	14724	268940	19.9	0.1
21TR2616	253013	Volcaniclastic rock	20BBDD0005	86.50	86.65	0.205		2.71	0.12%	2.72	5360	14542	397741	20.5	0
21TR2617	253014	Shale	20BBDD0005	88.52	88.67	1.080	3.00	2.68	0.16%	2.69	4840	12993	46302	35.2	0.1
21TR2618	253015	Shale	20BBDD0005	90.80	90.95	0.018		2.67	0.31%	2.68	4990	13310	2578	14.1	0.3
21TR2619	253016	Shale	20BBDD0005	92.60	92.75	0.010		2.71	0.38%	2.72	4150	11240	3084	14.6	0
21TR2620	253017	Shale	20BBDD0005	98.85	99.00	0.267	2.16	2.72	0.10%	2.72	5170	14055	44982	30.6	0.1
21TR2621	253018	Shale	20BBDD0005	101.29	101.44	0.039	1.34	2.71	0.33%	2.72	5740	15576	34	412.9	0.2
21TR2622	253019	Shale	20BBDD0005	101.79	101.94	0.042	0.59	2.69	0.52%	2.70	4810	12927	162	160.3	0.8
21TR2623	253020	Volcaniclastic rock	20BBDD0005	103.80	103.95	0.202	0.70	2.71	0.21%	2.72	5310	14415	44528	35.5	0
21TR2624	253021	Shale	20BBDD0005	104.25	104.40	0.044	0.43	2.82	0.46%	2.83	5110	14400	8	452.4	1.2
21TR2625	253022	Shale	20BBDD0005	105.88	106.03	0.011		2.70	0.16%	2.71	5240	14153	13982	19.4	0.1
21TR2626	253023	Volcaniclastic rock	20BBDD0005	107.10	107.25	0.702		2.70	0.07%	2.70	5650	15265	150130	16.8	0.2
21TR2627	253024	Volcaniclastic rock	20BBDD0005	113.56	113.71	5.775	3.13	2.75	0.20%	2.76	5370	14771	18868	70.2	0
21TR2628	253025	Volcaniclastic rock	20BBDD0005	114.55	114.70	0.512		2.73	0.17%	2.73	5280	14390	43707	17.1	0
21TR2629	253026	Volcaniclastic rock	20BBDD0005	117.18	117.33	1.401		2.81	0.07%	2.81	5560	15620	162627	14.7	0
21TR2630	253027	Volcaniclastic rock	20BBDD0005	120.96	121.11	0.785		2.70	0.09%	2.70	5320	14358	27151	15.6	0
21TR2631	253028	Volcaniclastic rock	20BBDD0005	122.40	122.55	1.305		2.75	0.19%	2.75	5280	14519	11939	10.7	0
21TR2632	253029	Basalt	20BBDD0005	128.16	128.31	5.260		3.09	0.62%	3.11	6350	19604	5204	24.5	9.6
21TR2633	253030	Basalt	20BBDD0005	130.65	130.80	47.230	2.51	3.04	0.12%	3.04	6060	18407	2065	2.3	0
21TR2634	253031	Dacite	20BBDD0005	133.22	133.37	0.216		2.66	0.11%	2.66	5460	14532	17711	2.8	0.1
21TR2635	253032	Dacite	20BBDD0005	133.72	133.87	0.083		2.66	0.12%	2.67	5670	15102	38451	4.9	0
21TR2636	253033	Basalt	20BBDD0005	134.70	134.85	1.223		3.09	0.02%	3.09	5990	18527	14863	7.6	0
21TR2637	253034	Basalt	20BBDD0005	134.9	135.00	9.383	6.03	3.09	0.23%	3.10	NA	NA	2413	111.1	0
21TR2638	253035	Basalt	20BBDD0005	141.82	141.97	1.466		3.04	0.04%	3.04	6310	19170	23836	6.5	0
21TR2639	253036	Basalt	20BBDD0005	143.81	143.94	33.049	2.88	2.98	0.13%	2.98	NA	NA	3774	14.1	0
21TR2640	253037	Basalt	20BBDD0005	149.00	149.15	28.749	2.62	2.85	0.18%	2.86	5620	16042	95996	56.6	0
21TR2641	253083	Basalt	20BBDD0005	154.25	154.40	43.736	0.92	2.94	0.12%	2.94	5640	16557	3018	1.3	0
21TR2642	253038	Basalt	20BBDD0005	149.85	150.00	5.880		2.74	0.13%	2.74	5410	14806	17937	16.6	7.4
21TR2643	253084	Basalt	20BBDD0005	155.05	155.20	16.459		3.10	0.07%	3.10	6780	20992	7936	9.1	0
21TR2644	253039	Basalt	20BBDD0005	155.67	155.82	8.940		2.92	0.14%	2.93	6720	19631	8653	21.8	6.1
21TR2645	253040	Basalt	20BBDD0005	156.78	156.93	6.684		2.82	0.15%	2.82	5740	16185	25141	5.4	0
21TR2646	253041	Basalt	20BBDD0005	164.43	164.58	0.495		2.83	0.30%	2.84	5950	16830	49530	8.0	0
21TR2647	253042	Basalt	20BBDD0005	165.42	165.57	1.811		3.05	0.00%	3.05	6290	19183	31445	7.8	0
21TR2648	253043	Wacke	17SRDD0004	4.20	4.30	0.266	3.44	2.27	10.68%	2.54	NA	NA	34	60.8	0
21TR2649	253044	Wacke	17SRDD0004	31.03	31.18	0.274	3.38	2.49	6.40%	2.66	2360	5880	70	46.2	0
21TR2650	253045	Wacke	17SRDD0004	39.82	39.96	0.459		2.76	0.28%	2.77	NA	NA	11503	11.5	0
21TR2651	253046	Wacke	17SRDD0004	45.05	45.20	0.568		2.77	0.34%	2.78	5360	14863	1226	13.2	0

Sample Information						Magnetic Properties		Mass Properties			Seismic Properties		Electrical Properties		
TR Sample ID	Client Sample ID	Lithology	Drillhole ID	From	To	Magnetic Susceptibility	Koenigsberger Ratio (Q)	Dry Bulk Density	Apparent Porosity	Grain Density	P-Wave Velocity	Acoustic Impedance	Galvanic Resistivity	Chargeability	Inductive Conductivity
				(m)	(m)	(×10^-3 SI)		(g/cm^3)	(%)	(g/cm^3)	(m/s)	(g/cm^3)*(m/s)	(Ωm)	(mV/V)	(S/m)
21TR2652	253047	Wacke	17SRDD0004	51.76	51.91	0.373		2.70	0.74%	2.72	5170	13935	1211	11.5	0
21TR2653	253048	Wacke	17SRDD0004	52.20	52.35	0.554		2.74	0.49%	2.75	5280	14445	1374	16.1	0
21TR2654	253049	Wacke	17SRDD0004	52.70	52.85	0.506		2.66	1.91%	2.71	3860	10256	108	27.7	0
21TR2655	253050	Wacke	17SRDD0004	53.85	54.00	0.427		2.72	0.59%	2.74	4730	12872	1202	9.2	0
21TR2656	253051	Wacke	17SRDD0004	58.37	58.52	0.323		2.67	0.74%	2.69	4570	12224	381	8.5	0
21TR2657	253052	Wacke	17SRDD0004	60.50	60.65	0.300		2.52	3.82%	2.62	3290	8288	94	24.0	0
21TR2658	253053	Wacke	17SRDD0004	63.46	63.61	0.382		2.72	0.16%	2.72	5450	14827	2205	1.3	0
21TR2659	253054	Wacke	17SRDD0004	65.42	65.57	0.336		2.71	0.04%	2.71	5580	15133	2877	1.2	0
21TR2660	253055	Wacke	17SRDD0004	71.40	71.55	2.789		2.72	0.14%	2.73	5510	15014	2395	1.4	0
21TR2661	253056	Wacke	17SRDD0004	75.40	75.55	0.545		2.68	0.28%	2.69	5010	13435	1553	5.3	0
21TR2662	253057	Wacke	17SRDD0004	77.30	77.45	4.021		2.75	0.09%	2.75	5420	14915	1701	1.3	0
21TR2663	253058	Wacke	17SRDD0004	84.60	84.75	0.619		2.78	0.04%	2.78	5360	14912	1681	1.5	0
21TR2664	253059	Wacke	17SRDD0004	86.45	86.60	16.540		2.84	0.14%	2.85	5500	15643	2924	1.0	0
21TR2665	253060	Wacke	17SRDD0004	88.70	88.85	1.574		2.82	0.26%	2.83	5370	15155	2222	3.4	0
21TR2666	253061	Wacke	17SRDD0004	91.90	92.05	14.988		2.82	0.14%	2.83	5350	15111	1714	1.3	0
21TR2667	253062	Wacke	17SRDD0004	97.24	97.39	200.355	1.76	3.00	0.11%	3.00	5600	16783	6827	0.9	0
21TR2668	253063	Wacke	17SRDD0004	97.55	97.70	8.746	2.01	2.95	0.07%	2.95	NA	NA	780	53.3	0
21TR2669	253064	Wacke	17SRDD0004	104.30	104.45	0.488		2.75	0.17%	2.76	5220	14364	2499	1.2	0
21TR2670	253065	Wacke	17SRDD0004	108.69	108.84	261.554	1.90	3.03	0.21%	3.04	5270	15964	1335	2.2	0
21TR2671	253066	Wacke	17SRDD0004	113.25	113.40	34.489	0.93	2.89	0.13%	2.89	5330	15398	3214	1.0	0
21TR2672	253067	Wacke	17SRDD0004	118.92	119.13	467.157	1.52	3.06	0.12%	3.07	5520	16911	1414	1.5	0
21TR2673	253068	Wacke	17SRDD0004	125.40	125.55	19.871	0.24	2.75	0.13%	2.75	5370	14747	2036	1.0	0
21TR2674	253069	Wacke	17SRDD0004	126.29	126.44	446.016	2.71	2.99	0.17%	3.00	6150	18410	2188	2.3	0
21TR2675	253070	Wacke	17SRDD0004	130.10	130.25	23.663	0.59	2.76	0.15%	2.76	6080	16784	854	2.2	0
21TR2676	253106	Volcaniclastic rock	17SRDD0004	130.95	131.10	0.533		2.77	0.17%	2.78	5260	14578	2143	0.8	0
21TR2677	253107	Volcaniclastic rock	17SRDD0004	135.80	135.95	4.556		2.77	0.47%	2.78	5500	15222	1728	0.8	0
21TR2678	253108	Volcaniclastic rock	17SRDD0004	141.65	141.80	0.415		2.75	0.15%	2.75	5220	14333	2840	1.2	0
21TR2679	253109	Volcaniclastic rock	17SRDD0004	145.60	145.75	1.256		2.77	0.16%	2.77	5750	15926	95469	19.4	0
21TR2680	253110	Volcaniclastic rock	17SRDD0004	148.74	148.89	7.496		2.78	0.06%	2.78	NA	NA	5040	0.7	0
21TR2681	253111	Volcaniclastic rock	17SRDD0004	154.38	154.53	3.192		2.75	0.16%	2.75	5520	15178	35764	3.5	0
21TR2682	253112	Volcaniclastic rock	17SRDD0004	156.85	157.00	3.879		2.75	0.07%	2.75	5520	15159	9367	0.9	0
21TR2683	253113	Volcaniclastic rock	17SRDD0004	159.50	159.65	13.354		2.87	0.10%	2.87	5590	16050	54363	13.4	0
21TR2684	253114	Volcaniclastic rock	17SRDD0004	163.11	163.26	39.205	0.53	2.81	0.07%	2.82	NA	NA	1486476	28.1	0
21TR2685	253115	Volcaniclastic rock	17SRDD0004	164.00	164.15	0.978		2.76	0.17%	2.77	5730	15839	6826	0.8	0
21TR2686	253116	Volcaniclastic rock	17SRDD0004	170.10	170.25	72.715	1.44	2.91	0.14%	2.91	5610	16305	381411	28.7	0
21TR2687	253117	Volcaniclastic rock	17SRDD0004	176.00	176.15	8.360		2.76	0.25%	2.77	5530	15276	99578	6.0	0
21TR2688	253118	Volcaniclastic rock	17SRDD0004	179.60	179.75	0.296		2.73	0.21%	2.73	5630	15344	57501	9.3	0
21TR2689	253119	Volcaniclastic rock	17SRDD0004	185.65	185.80	1.485		2.76	0.21%	2.77	5700	15758	76565	5.0	0
21TR2690	253120	Volcaniclastic rock	17SRDD0004	194.40	194.55	207.442	0.42	2.88	0.15%	2.89	5450	15703	2111	1.5	0

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TR Sample ID	Client Sample ID	Lithology	Drillhole ID	From	To	Magnetic Susceptibility	Koenigsberger Ratio (Q)	Dry Bulk Density	Apparent Porosity	Grain Density	P-Wave Velocity	Acoustic Impedance	Galvanic Resistivity	Chargeability	Inductive Conductivity
				(m)	(m)	(×10^-3 SI)		(g/cm^3)	(%)	(g/cm^3)	(m/s)	(g/cm^3)*(m/s)	(Ωm)	(mV/V)	(S/m)
21TR2691	253121	Volcaniclastic rock	17SRDD0004	196.73	196.88	220.594	1.86	2.97	0.11%	2.97	5490	16313	15127	1.1	0
21TR2692	253122	Banded iron-formation	17SRDD0004	197.68	197.83	1559.120	1.40	3.59	0.19%	3.60	5270	18918	1805	15.3	0
21TR2693	253123	Banded iron-formation	17SRDD0004	197.90	198.05	1533.433	1.55	3.58	0.12%	3.58	5510	19722	13324	69.8	0
21TR2694	253124	Banded iron-formation	17SRDD0004	198.71	198.86	1593.745	13.61	3.17	0.12%	3.18	6160	19558	13342	11.8	0
21TR2695	253071	Volcaniclastic rock	17MNDD0001	51.70	51.85	0.404		2.61	1.90%	2.66	3560	9276	140	17.5	0
21TR2696	253072	Volcaniclastic rock	17MNDD0001	73.45	73.60	0.738		2.63	2.77%	2.70	NA	NA	178	16.2	0
21TR2697	253073	Basalt	17MNDD0001	79.43	79.60	0.656		2.90	0.10%	2.90	5660	16416	316392	14.9	0
21TR2698	253074	Basalt	17MNDD0001	83.90	84.05	0.679		2.88	0.08%	2.88	5580	16052	94379	14.0	0
21TR2699	253075	Basalt	17MNDD0001	84.87	85.02	0.495		2.79	0.12%	2.79	5080	14152	20118	9.6	0
21TR2700	253076	Basalt	17MNDD0001	89.85	90.00	0.646		2.90	0.05%	2.90	5460	15825	57263	12.4	0
21TR2701	253077	Basalt	17MNDD0001	93.30	93.45	0.858		2.89	0.24%	2.90	5180	14971	12240	13.1	0
21TR2702	253078	Basalt	17MNDD0001	96.85	97.00	0.564		2.89	0.13%	2.90	5990	17340	113893	9.9	0
21TR2703	253079	Basalt	17MNDD0001	99.90	100.05	3.825		2.87	0.14%	2.88	5490	15773	18831	5.7	0
21TR2704	253080	Basalt	17MNDD0001	103.45	103.60	0.645		2.91	0.09%	2.91	NA	NA	243880	16.5	0
21TR2705	253081	Basalt	17MNDD0001	107.35	107.50	1.266	0.62	2.87	0.12%	2.87	5710	16382	428737	30.2	0
21TR2706	253082	Basalt	17MNDD0001	113.19	113.34	0.816		2.95	0.09%	2.95	5970	17613	739586	27.8	0
21TR2707	253085	Basalt	17MNDD0001	122.05	122.20	0.676		2.93	0.09%	2.93	NA	NA	480732	23.1	0
21TR2708	253086	Basalt	17MNDD0001	132.40	132.55	0.485		2.93	0.09%	2.93	NA	NA	203959	14.1	0
21TR2709	253087	Basalt	17MNDD0001	137.20	137.35	0.623		2.83	0.14%	2.83	6240	17662	28977	8.0	0
21TR2710	253088	Basalt	17MNDD0001	140.10	140.25	0.652		2.93	0.11%	2.93	6030	17645	381109	22.3	0
21TR2711	253089	Basalt	17MNDD0001	144.57	144.72	0.702		2.92	0.14%	2.92	5790	16899	110184	14.0	0
21TR2712	253090	Basalt	17MNDD0001	149.18	149.33	0.692		2.97	0.10%	2.97	6170	18320	1704347	36.8	0
21TR2713	253091	Basalt	17MNDD0001	154.48	154.63	0.164		2.91	0.10%	2.92	NA	NA	331770	20.4	0
21TR2714	253092	Basalt	17MNDD0001	157.80	157.95	0.893	0.42	2.73	0.15%	2.73	5730	15620	342910	42.8	0.4
21TR2715	253093	Basalt	17MNDD0001	161.96	162.11	0.617		2.95	0.09%	2.95	NA	NA	570004	17.8	0
21TR2716	253094	Basalt	17MNDD0001	168.63	168.78	0.384		2.94	0.11%	2.95	5960	17535	170240	13.9	0
21TR2717	253095	Basalt	17MNDD0001	170.48	170.63	0.969		2.94	0.12%	2.94	NA	NA	24476	2.8	0
21TR2718	253096	Basalt	17MNDD0001	171.75	171.90	0.327		2.92	0.08%	2.92	6090	17765	589029	20.3	0
21TR2719	253097	Volcaniclastic rock	17MNDD0001	177.10	177.25	0.411		2.78	0.11%	2.79	NA	NA	79132	12.6	0
21TR2720	253098	Volcaniclastic rock	17MNDD0001	182.77	182.92	0.386		2.83	0.11%	2.83	NA	NA	122845	16.0	0
21TR2721	253099	Volcaniclastic rock	17MNDD0001	185.53	185.68	0.452		2.82	0.14%	2.82	5370	15134	170879	18.6	0
21TR2722	253100	Volcaniclastic rock	17MNDD0001	192.14	192.29	0.681		2.81	0.23%	2.82	4570	12840	11247	6.8	0
21TR2723	253101	Volcaniclastic rock	17MNDD0001	193.79	193.94	0.329		2.90	0.14%	2.90	5570	16141	29357	8.4	0
21TR2724	253102	Volcaniclastic rock	17MNDD0001	196.48	196.63	0.455		2.83	0.12%	2.83	5710	16155	415536	20.0	0
21TR2725	253103	Basalt	17MNDD0001	198.10	198.25	0.038		2.83	0.10%	2.83	5150	14552	777687	27.3	0.5
21TR2726	253104	Diorite	17MNDD0001	198.48	198.63	0.246		2.68	0.14%	2.69	NA	NA	363617	17.3	0
21TR2727	253105	Volcaniclastic rock	17MNDD0001	203.39	203.54	0.040		2.73	0.12%	2.74	5540	15149	284827	10.0	0
21TR2728	253125	Mylonite	17DHDD0016	1.91	2.06	0.207		2.13	7.30%	2.29	3330	7083	108	17.8	1.2
21TR2729	253126	Amphibolite	17DHDD0016	54.52	54.67	3.995		2.71	0.36%	2.72	4340	11748	20040	8.9	0.1

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				(m)	(m)	(×10^-3 SI)		(g/cm^3)	(%)	(g/cm^3)	(m/s)	(g/cm^3)*(m/s)	(Ωm)	(mV/V)	(S/m)
21TR2730	253127	Mylonite	17DHDD0016	62.32	62.47	3.997		2.81	0.16%	2.82	5010	14093	50397	11.2	0
21TR2731	253128	Mylonite	17DHDD0016	64.54	64.69	1.830		2.73	0.15%	2.73	5070	13835	372131	16.8	0
21TR2732	253129	Mylonite	17DHDD0016	69.03	69.18	0.971		2.93	0.14%	2.94	6000	17600	136277	12.7	0
21TR2733	253130	Mylonite	17DHDD0016	70.54	70.69	0.234		2.74	0.11%	2.74	5380	14717	332630	8.6	0
21TR2734	253131	Mylonite	17DHDD0016	75.10	75.25	0.123		2.71	0.11%	2.72	5520	14983	183185	10.3	0
21TR2735	253132	Mylonite	17DHDD0016	76.47	76.62	1.002		2.93	0.14%	2.94	5880	17241	332375	14.4	0
21TR2736	253133	Mylonite	17DHDD0016	77.76	77.91	0.476		2.85	0.14%	2.85	5790	16496	405958	11.2	0
21TR2737	253134	Mylonite	17DHDD0016	78.50	78.65	1.367		3.01	0.19%	3.02	5630	16959	248354	13.1	0
21TR2738	253135	Mylonite	17DHDD0016	84.45	84.60	0.597		2.85	0.12%	2.85	3640	10364	192101	7.4	0
21TR2739	253136	Amphibolite	17DHDD0016	87.13	87.28	0.386		2.67	3.14%	2.76	4080	10888	409	11.2	0
21TR2740	253137	Mylonite	17DHDD0016	91.06	91.21	0.346		2.75	0.10%	2.75	5380	14772	502353	14.1	0
21TR2741	253138	Mylonite	17DHDD0016	100.21	100.36	0.630		2.75	0.13%	2.75	5430	14917	111159	6.2	0
21TR2742	253139	Mylonite	17DHDD0016	101.48	101.63	0.405		2.56	0.12%	2.56	5500	14070	472613	15.3	0
21TR2743	253140	Mylonite	17DHDD0016	103.42	103.57	0.146		2.71	0.22%	2.72	5490	14877	551040	12.6	0
21TR2744	253141	Mylonite	17DHDD0016	105.35	105.50	16.737		2.92	0.18%	2.93	5490	16056	218657	17.8	0
21TR2745	253142	Mylonite	17DHDD0016	109.85	110.00	0.382		2.76	0.19%	2.77	5360	14802	307498	5.9	0
21TR2746	253143	Mylonite	17DHDD0016	112.02	112.17	0.928		2.81	0.19%	2.81	5390	15131	260015	5.8	0
21TR2747	253144	Mylonite	17DHDD0016	117.34	117.49	0.254		2.74	0.19%	2.75	5410	14840	154828	4.2	0
21TR2748	253145	Amphibolite	17DHDD0016	119.98	120.13	22.201	0.69	2.96	0.11%	2.96	5610	16593	54551	5.0	0
21TR2749	253146	Amphibolite	17DHDD0016	126.05	126.20	20.701	1.14	2.87	0.13%	2.87	5480	15714	44508	9.4	0
21TR2750	253147	Amphibolite	17DHDD0016	127.15	127.30	1.873		2.88	0.17%	2.89	5390	15539	123570	27.7	0
21TR2751	253148	Amphibolite	17DHDD0016	130.17	130.32	5.920		2.81	0.16%	2.82	5350	15052	348045	27.3	3.9
21TR2752	253149	Mylonite	17DHDD0016	130.55	130.70	2.078	2.06	2.89	0.33%	2.90	5560	16053	415587	31.0	0.4
21TR2753	253150	Mylonite	17DHDD0016	135.15	135.30	0.262		2.72	0.29%	2.73	5070	13795	236551	7.5	0.1
21TR2754	253151	Mylonite	17DHDD0016	137.41	137.56	0.809		2.82	0.26%	2.83	5160	14576	167611	10.6	0
21TR2755	253152	Mylonite	17DHDD0016	138.72	138.87	79.634	0.79	3.01	0.14%	3.01	5790	17405	44564	8.5	0
21TR2756	253153	Amphibolite	17DHDD0016	143.47	143.62	0.797		2.97	0.18%	2.97	6120	18172	52799	11.0	0
21TR2757	253154	Amphibolite	17DHDD0016	146.00	146.15	1.101		2.97	0.21%	2.98	6170	18347	17635	12.8	0
21TR2758	253155	Amphibolite	17DHDD0016	146.60	146.75	0.839		2.92	0.23%	2.92	5920	17258	25720	11.4	0
21TR2759	253156	Mylonite	17DHDD0016	154.53	154.68	0.434		2.74	0.20%	2.75	5510	15120	451158	11.1	0
21TR2760	253157	Mylonite	17DHDD0016	157.65	157.80	0.038		2.69	0.23%	2.70	5430	14602	211833	7.9	0.2
21TR2761	253158	Mylonite	17DHDD0016	163.34	163.49	1.171		2.70	0.22%	2.70	5580	15055	122180	8.3	0
21TR2762	253159	Mylonite	17DHDD0016	164.70	164.85	3.457		2.72	0.28%	2.73	5250	14281	713740	12.7	0
21TR2763	253160	Mylonite	17DHDD0016	168.11	168.26	0.528		2.88	0.20%	2.88	5860	16851	616672	13.5	0
21TR2764	253161	Mylonite	17DHDD0016	172.18	172.33	0.186		2.72	0.26%	2.73	5350	14553	311018	9.5	0.2
21TR2765	253162	Volcaniclastic rock	17DHDD0016	174.95	175.10	42.800	0.38	2.85	0.11%	2.85	5200	14806	104872	7.4	0
21TR2766	253163	Volcaniclastic rock	17DHDD0016	178.62	178.77	0.145		2.69	0.14%	2.69	4950	13318	320253	6.0	0.1
21TR2767	253164	Volcaniclastic rock	17DHDD0016	183.50	183.65	0.460		2.85	0.15%	2.85	5590	15904	329929	11.4	0
21TR2768	253165	Volcaniclastic rock	17DHDD0016	187.97	188.12	0.301		2.77	0.16%	2.78	5430	15064	642154	28.8	0

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TR Sample ID	Client Sample ID	Lithology	Drillhole ID	From	To	Magnetic Susceptibility	Koenigsberger Ratio (Q)	Dry Bulk Density	Apparent Porosity	Grain Density	P-Wave Velocity	Acoustic Impedance	Galvanic Resistivity	Chargeability	Inductive Conductivity
				(m)	(m)	(×10^-3 SI)		(g/cm^3)	(%)	(g/cm^3)	(m/s)	(g/cm^3)*(m/s)	(Ωm)	(mV/V)	(S/m)
21TR2769	253166	Volcaniclastic rock	17DHDD0016	190.20	190.35	0.511		2.85	0.13%	2.85	5670	16143	95189	8.4	0
21TR2770	253167	Volcaniclastic rock	17DHDD0016	192.75	192.90	1.178		2.81	0.34%	2.82	5520	15489	165123	16.9	0
21TR2771	253168	Volcaniclastic rock	17DHDD0016	198.25	198.40	0.782		2.86	0.15%	2.87	5490	15715	577641	12.8	0
21TR2772	253169	Volcaniclastic rock	17DHDD0016	202.15	202.30	0.744		2.76	0.08%	2.76	5540	15282	52044	4.5	0
21TR2773	253170	Volcaniclastic rock	17DHDD0016	206.45	206.60	0.450		2.82	0.25%	2.83	5460	15416	36092	13.5	0
21TR2774	253171	Volcaniclastic rock	17DHDD0016	209.90	210.05	0.493		2.84	0.11%	2.84	5600	15898	465299	24.7	0
21TR2775	253172	Volcaniclastic rock	17DHDD0016	219.93	220.08	0.568		2.82	0.15%	2.83	5640	15915	638478	36.8	0
21TR2776	253173	Volcaniclastic rock	17DHDD0016	224.76	224.91	0.418		2.84	0.19%	2.85	5580	15859	723250	68.6	0
21TR2777	253174	Amphibolite	17DHDD0016	231.87	232.02	0.458		2.81	0.23%	2.81	5620	15784	6599	3.7	0
21TR2778	253175	Amphibolite	17DHDD0016	235.71	235.86	0.346		2.77	0.15%	2.77	5290	14641	1916	4.6	0
21TR2779	253176	Amphibolite	17DHDD0016	240.65	240.80	0.431		2.77	0.13%	2.78	5170	14332	25414	2.6	0
21TR2780	253177	Amphibolite	17DHDD0016	244.85	245.00	0.389		2.80	0.15%	2.81	5450	15270	1900	2.3	0
21TR2781	253178	Amphibolite	17DHDD0016	245.85	246	0.665		2.90	0.17%	2.90	5450	15802	785	2.3	0
21TR2782	253179	Amphibolite	17DHDD0016	259.00	259.15	0.561		2.66	0.11%	2.67	5630	15001	1003	9.1	0.1
21TR2783	253180	Amphibolite	17DHDD0016	261.39	261.55	0.733		2.93	0.21%	2.93	5420	15869	892	4.1	0
21TR2784	253181	Amphibolite	17DHDD0016	268.63	268.78	0.344		2.78	0.17%	2.79	5280	14696	1254	1.7	0
21TR2785	253182	Amphibolite	17DHDD0016	269.53	269.68	0.246		2.71	0.06%	2.71	5350	14483	687961	24.2	0
21TR2786	253214	Diorite	17DHDD0016	270.24	270.39	0.254		2.73	0.18%	2.73	5580	15212	37425	12.7	0
21TR2787	253183	Quartz vein	17DHDD0016	270.10	270.24	0.002		2.65	0.18%	2.65	5440	14391	54919	9.8	0
21TR2788	253184	Amphibolite	17DHDD0016	272.63	272.78	0.401		2.80	0.18%	2.80	5940	16619	118202	19.4	0
21TR2789	253185	Amphibolite	17DHDD0016	274.25	274.40	0.637	3.33	2.83	0.14%	2.84	5440	15416	54746	74.3	0
21TR2790	253186	Amphibolite	17DHDD0016	278.02	278.17	0.736		2.76	0.17%	2.76	5100	14055	379978	27.5	0
21TR2791	253187	Amphibolite	17DHDD0016	279.33	279.48	0.619		2.64	0.16%	2.64	5210	13743	36078	21.8	0
21TR2792	253188	Amphibolite	17DHDD0016	285.28	285.43	0.092		2.67	0.14%	2.68	5250	14040	227697	6.5	0
21TR2793	253189	Diorite	17DHDD0016	293.65	293.80	0.152		2.66	0.18%	2.67	5450	14501	177805	9.1	0.1
21TR2794	253190	Amphibolite	17DHDD0016	299.32	299.47	0.168		2.69	0.08%	2.70	5370	14462	692677	22.5	0
21TR2795	253191	Amphibolite	17DHDD0016	299.65	299.80	0.048		2.68	0.21%	2.68	5200	13913	201843	8.5	0
21TR2796	253192	Amphibolite	17DHDD0016	307.15	307.30	0.107		2.68	0.23%	2.69	5390	14466	713557	16.0	0
21TR2797	253193	Amphibolite	17DHDD0016	314.20	314.35	0.058		2.71	0.19%	2.71	4810	13016	308404	14.7	0
21TR2798	253194	Amphibolite	17DHDD0016	317.75	317.90	0.029		2.64	0.24%	2.65	5010	13250	25838	4.6	0.5
21TR2799	253195	Diorite	17DHDD0016	326.27	326.42	0.026		2.65	0.22%	2.66	5480	14518	142715	4.2	0.5
21TR2800	253196	Amphibolite	17DHDD0016	330.33	330.48	0.074		2.71	0.19%	2.71	NA	NA	41210	4.6	0
21TR2801	253197	Amphibolite	17DHDD0016	333.85	334.00	0.002		2.73	0.31%	2.74	5060	13812	294201	11.5	0.2
21TR2802	253198	Diorite	17DHDD0016	336.42	336.57	0.037	1.38	2.64	0.12%	2.65	5360	14176	1153260	42.8	0.2
21TR2803	253199	Dolerite	20KGDD0008	61.86	62.01	0.768		2.95	0.23%	2.96	5870	17320	1218	4.5	0
21TR2804	253200	Dolerite	20KGDD0008	72.77	72.92	0.737		2.96	0.16%	2.96	5900	17437	9025	7.9	0
21TR2805	253201	Dolerite	20KGDD0008	77.29	77.44	0.847		2.97	0.20%	2.98	5740	17048	1970	5.4	0
21TR2806	253202	Dolerite	20KGDD0008	77.58	77.73	0.518		2.71	0.39%	2.72	NA	NA	1222	7.4	0
21TR2807	253216	Quartz vein	20KGDD0008	78.91	79.03	0.014		2.64	0.56%	2.65	NA	NA	1315	8.0	0

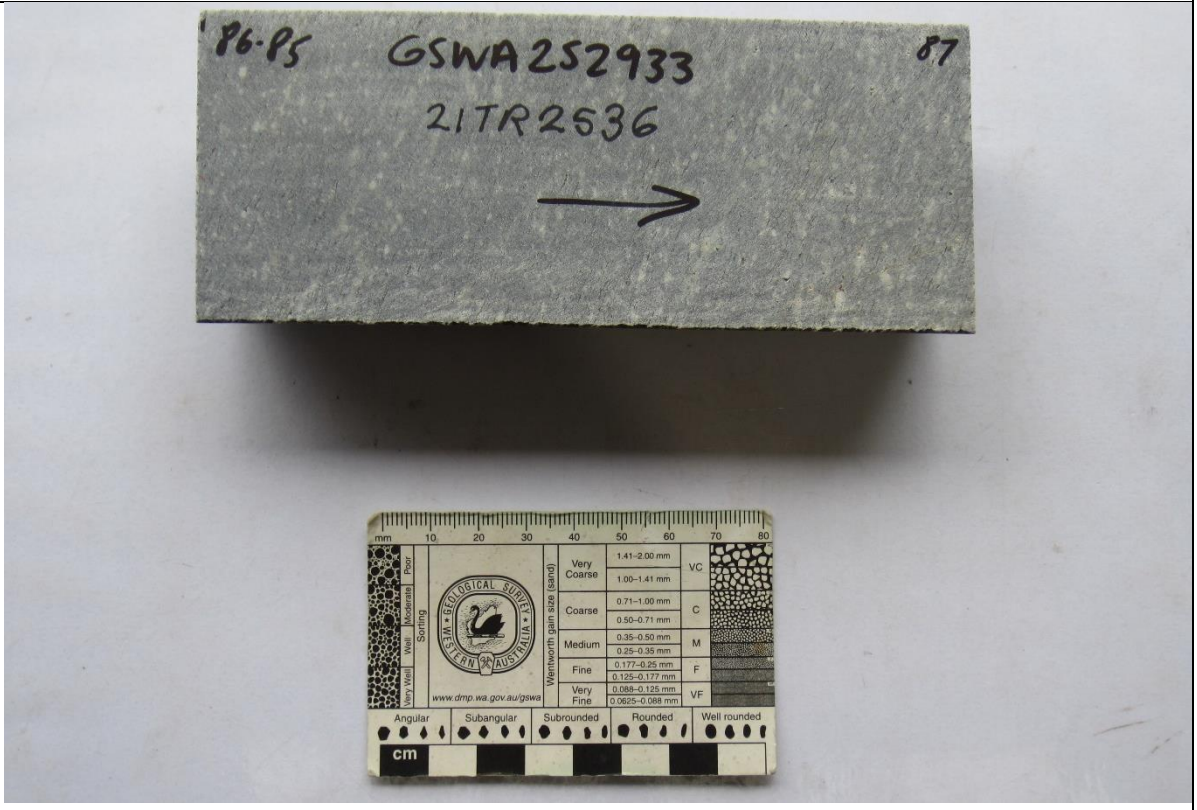
Sample Information						Magnetic Properties		Mass Properties			Seismic Properties		Electrical Properties		
TR Sample ID	Client Sample ID	Lithology	Drillhole ID	From	To	Magnetic Susceptibility	Koenigsberger Ratio (Q)	Dry Bulk Density	Apparent Porosity	Grain Density	P-Wave Velocity	Acoustic Impedance	Galvanic Resistivity	Chargeability	Inductive Conductivity
				(m)	(m)	(×10^-3 SI)		(g/cm^3)	(%)	(g/cm^3)	(m/s)	(g/cm^3)*(m/s)	(Ωm)	(mV/V)	(S/m)
21TR2808	253203	Dolerite	20KGDD0008	81.62	81.77	0.821		2.97	0.20%	2.98	5880	17468	4358	5.1	0
21TR2809	253204	Dolerite	20KGDD0008	84.12	84.27	0.803		2.96	0.13%	2.97	5940	17607	11666	7.1	0
21TR2810	253205	Dolerite	20KGDD0008	87.85	88.00	0.388		2.73	0.33%	2.74	4790	13059	2924	6.0	0
21TR2811	253206	Dolerite	20KGDD0008	89.45	89.60	1.096		2.91	0.22%	2.92	5620	16359	5924	9.5	0
21TR2812	253207	Dolerite	20KGDD0008	93.13	93.28	0.838		3.00	0.18%	3.00	5870	17586	21004	6.6	0
21TR2813	253208	Dolerite	20KGDD0008	95.85	96.00	1.074		2.96	0.20%	2.97	5870	17374	13987	16.4	0
21TR2814	253209	Dolerite	20KGDD0008	96.13	96.28	0.242		2.76	0.14%	2.76	5500	15162	40339	23.4	0
21TR2815	253256	Dolerite	20KGDD0008	96.78	96.93	0.930		2.82	0.23%	2.83	5330	15047	12807	23.7	0
21TR2816	253210	Dolerite	20KGDD0008	99.66	99.81	1.229		3.00	0.09%	3.00	6130	18381	143912	20.9	0
21TR2817	253211	Dolerite	20KGDD0008	104.95	105.10	1.290		3.02	0.11%	3.02	6050	18256	82779	15.8	0
21TR2818	253212	Dolerite	20KGDD0008	107.60	107.79	0.989		2.95	0.14%	2.96	5950	17571	129180	15.1	0
21TR2819	253213	Dolerite	20KGDD0008	108.39	108.54	0.828		2.99	0.15%	2.99	6130	18323	111116	14.7	0
21TR2820	253217	Dolerite	20KGDD0008	114.25	114.40	1.308		3.00	0.16%	3.00	6190	18556	98274	14.9	0
21TR2821	253218	Dolerite	20KGDD0008	120.90	121.05	0.991		3.00	0.13%	3.00	5990	17967	139765	12.2	0
21TR2822	253219	Dolerite	20KGDD0008	127.30	127.45	0.691		3.05	0.17%	3.05	6120	18657	102672	8.4	0
21TR2823	253220	Dolerite	20KGDD0008	130.79	130.94	1.041		2.98	0.13%	2.98	6000	17874	32569	13.4	0
21TR2824	253221	Dolerite	20KGDD0008	137.11	137.26	0.840		2.97	0.15%	2.98	5840	17357	28283	7.5	0
21TR2825	253222	Dolerite	20KGDD0008	146.25	146.40	0.819		2.96	0.16%	2.97	6110	18104	25970	8.6	0
21TR2826	253223	Dolerite	20KGDD0008	153.36	153.51	0.871		2.99	0.10%	2.99	6180	18472	31687	11.6	0
21TR2827	253224	Dolerite	20KGDD0008	162.21	162.36	0.569		2.85	0.12%	2.85	5810	16535	34364	11.1	0
21TR2828	253225	Dolerite	20KGDD0008	166.21	166.36	1.047		3.06	0.09%	3.07	5940	18203	17855	11.0	0
21TR2829	253226	Dolerite	20KGDD0008	171.10	171.25	0.548		2.90	0.09%	2.90	5910	17122	68059	10.4	0
21TR2830	253227	Dolerite	20KGDD0008	172.87	173.02	0.834		2.96	0.07%	2.96	5960	17618	42749	12.4	0
21TR2831	253228	Dolerite	20KGDD0008	181.88	182.03	1.289		2.94	0.35%	2.95	5660	16626	13972	16.1	0
21TR2832	253229	Dolerite	20KGDD0008	187.52	187.67	1.977		3.08	0.54%	3.10	6110	18825	1114	3.5	0
21TR2833	253230	Dolerite	20KGDD0008	188.60	188.75	2.539	0.79	2.97	0.27%	2.97	5590	16575	14765	61.1	0
21TR2834	253231	Dolerite	20KGDD0008	192.15	192.30	1.894		3.08	0.07%	3.09	5930	18285	5669	11.1	0
21TR2835	253232	Dolerite	20KGDD0008	195.95	196.10	2.823		2.93	0.49%	2.95	5690	16680	15885	6.4	0.6
21TR2836	253233	Dolerite	20KGDD0008	200.17	200.32	1.721		3.10	0.64%	3.12	6060	18805	13637	7.2	0
21TR2837	253234	Dolerite	20KGDD0008	206.50	206.65	5.927		3.14	0.08%	3.14	5930	18603	7111	7.4	0
21TR2838	253235	Dolerite	20KGDD0008	211.96	212.11	1.652		3.14	0.15%	3.14	5940	18630	13112	16.7	0
21TR2839	253236	Dolerite	20KGDD0008	214.71	214.86	2.531		3.09	0.15%	3.09	5510	17023	11730	20.2	0
21TR2840	253237	Dolerite	20KGDD0008	218.91	219.06	2.304		3.16	0.17%	3.17	6090	19248	3730	10.8	0
21TR2841	253238	Dolerite	20KGDD0008	222.17	222.32	2.067		3.09	0.23%	3.10	5490	16983	11277	31.7	0
21TR2842	253239	Dolerite	20KGDD0008	226.35	226.50	8.225		3.15	0.16%	3.15	5970	18781	5975	8.3	0
21TR2843	253240	Dolerite	20KGDD0008	233.18	233.33	1.452		3.05	0.27%	3.06	6610	20191	12604	13.7	0
21TR2844	253241	Dolerite	20KGDD0008	234.75	234.90	2.512		3.16	0.13%	3.16	5970	18848	9445	12.8	0
21TR2845	253242	Dolerite	20KGDD0008	239.73	239.88	36.129	2.36	3.19	0.14%	3.20	6030	19255	66916	70.6	0
21TR2846	253243	Dolerite	20KGDD0008	243.89	244.04	2.279		3.10	0.10%	3.11	5670	17591	4277	29.1	0

Sample Information						Magnetic Properties		Mass Properties			Seismic Properties		Electrical Properties		
TR Sample ID	Client Sample ID	Lithology	Drillhole ID	From	To	Magnetic Susceptibility	Koenigsberger Ratio (Q)	Dry Bulk Density	Apparent Porosity	Grain Density	P-Wave Velocity	Acoustic Impedance	Galvanic Resistivity	Chargeability	Inductive Conductivity
				(m)	(m)	(×10^-3 SI)		(g/cm^3)	(%)	(g/cm^3)	(m/s)	(g/cm^3)*(m/s)	(Ωm)	(mV/V)	(S/m)
21TR2847	253244	Dolerite	20KGDD0008	252.23	252.38	340.754	0.32	3.51	0.14%	3.51	5950	20857	400	66.5	0
21TR2848	253245	Dolerite	20KGDD0008	252.63	252.78	83.598	0.39	3.33	0.14%	3.33	6110	20347	32290	74.0	0
21TR2849	253246	Dolerite	20KGDD0008	257.67	257.82	122.023	0.84	3.30	0.15%	3.31	5920	19556	35079	103.8	0
21TR2850	253247	Dolerite	20KGDD0008	263.95	264.10	25.574	4.72	3.18	0.16%	3.19	5960	18978	132209	90.7	0
21TR2851	253248	Dolerite	20KGDD0008	266.01	266.16	1.346	0.56	3.14	0.32%	3.15	5710	17916	36323	65.8	0
21TR2852	253249	Dolerite	20KGDD0008	274.04	274.19	35.817	2.08	3.16	0.14%	3.17	5990	18937	88025	71.2	0
21TR2853	253250	Dolerite	20KGDD0008	277.68	277.83	4.528	1.65	3.13	0.16%	3.13	5690	17788	52885	57.8	0
21TR2854	253251	Dolerite	20KGDD0008	282.45	282.60	1.644	0.52	3.12	0.39%	3.14	5850	18269	36266	96.9	0
21TR2855	253252	Dolerite	20KGDD0008	287.67	287.81	2.603	6.48	3.18	0.16%	3.19	5970	18995	18340	72.9	0
21TR2856	253253	Dolerite	20KGDD0008	296.28	296.43	1.996	0.46	3.18	0.21%	3.18	6080	19308	38297	70.9	0
21TR2857	253254	Dolerite	20KGDD0008	299.77	299.92	2.030	4.76	3.14	0.28%	3.14	5930	18592	16832	41.8	0
21TR2858	253255	Dolerite	20KGDD0008	303.69	303.84	0.823		2.93	0.12%	2.93	5740	16806	54207	12.4	0
21TR2859	253257	Dolerite	20KGDD0008	309.80	309.95	757.592	1.75	3.59	0.18%	3.59	5690	20414	4815	107.0	0
21TR2860	253258	Dolerite	20KGDD0008	311.38	311.53	15.141	1.56	3.41	0.33%	3.42	5660	19311	2608	103.3	50.3
21TR2861	253260	Dolerite	20KGDD0008	315.63	315.78	2.361	1.40	3.26	0.16%	3.27	6150	20079	55135	54.4	0
21TR2862	253261	Dolerite	20KGDD0008	320.40	320.55	0.633		2.78	0.21%	2.78	5700	15837	7205	4.7	0
21TR2863	253262	Dolerite	20KGDD0008	322.00	322.15	1.224	0.56	2.98	0.20%	2.99	5930	17683	76324	35.1	0
21TR2864	253263	Dolerite	20KGDD0008	327.20	327.35	1168.541	1.58	3.83	0.20%	3.84	5810	22248	13	467.1	0
21TR2865	253264	Dolerite	20KGDD0008	328.85	329.00	0.821		2.88	0.22%	2.88	5780	16633	65824	10.4	0
21TR2866	253265	Dolerite	20KGDD0008	330.79	330.94	13.426	3.20	3.46	0.14%	3.47	5880	20346	3623	52.7	313.4
21TR2867	253266	Basalt	20KGDD0008	338.01	338.16	0.773		3.06	0.19%	3.06	6290	19230	11620	6.2	0
21TR2868	253267	Dolerite	20KGDD0008	339.19	339.34	0.682		2.82	0.25%	2.83	5880	16582	11942	6.7	0
21TR2869	253268	Dolerite	20KGDD0008	341.30	341.45	1.449		3.05	0.18%	3.05	5830	17761	14801	19.4	0
21TR2870	253269	Basalt	20KGDD0008	343.99	344.14	0.728		3.07	0.14%	3.08	6360	19534	33858	5.7	0
21TR2871	253270	Dolerite	20KGDD0008	349.48	349.63	2.624		3.23	0.12%	3.23	5940	19160	16321	19.5	0
21TR2872	253271	Dolerite	20KGDD0008	358.41	358.56	2.880		3.28	0.11%	3.28	5930	19437	9903	27.3	0
21TR2873	253272	Dolerite	20KGDD0008	365.15	365.30	2.292	1.13	3.29	0.18%	3.29	5990	19693	74724	36.0	0
21TR2874	253273	Dolerite	20KGDD0008	368.54	368.69	1.573		2.86	0.17%	2.86	5300	15145	8952	7.3	0.4
21TR2875	253274	Dolerite	20KGDD0008	372.21	372.36	6.528	2.52	3.19	0.09%	3.19	6010	19175	58286	50.5	0
21TR2876	253275	Dolerite	20KGDD0008	376.08	376.23	4.604	3.35	3.21	0.07%	3.21	5950	19093	66366	58.5	0
21TR2877	253276	Dolerite	20KGDD0008	387.20	387.35	2.553	1.72	3.19	0.57%	3.21	6590	21003	224780	51.8	0
21TR2878	253277	Dolerite	20KGDD0008	391.92	392.07	0.713		2.94	0.79%	2.96	6100	17942	14878	10.1	0
21TR2879	253278	Dolerite	20KGDD0008	394.26	394.41	1.744	0.40	3.08	0.22%	3.09	NA	NA	3815	45.6	0
21TR2880	253279	Dolerite	20KGDD0008	399.62	399.77	3.358		2.92	0.35%	2.93	5380	15684	32746	28.2	0

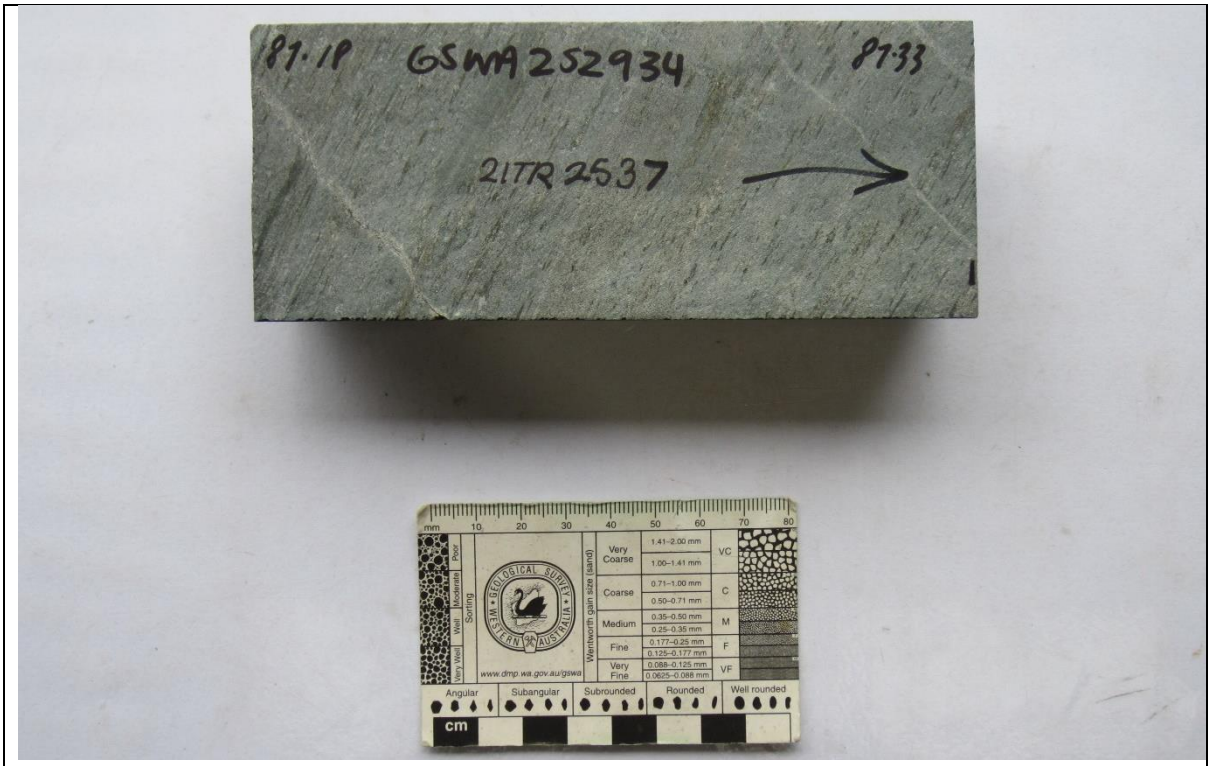
APPENDIX 2 – SAMPLE PHOTOS

APPENDIX 2 – SAMPLE PHOTOS

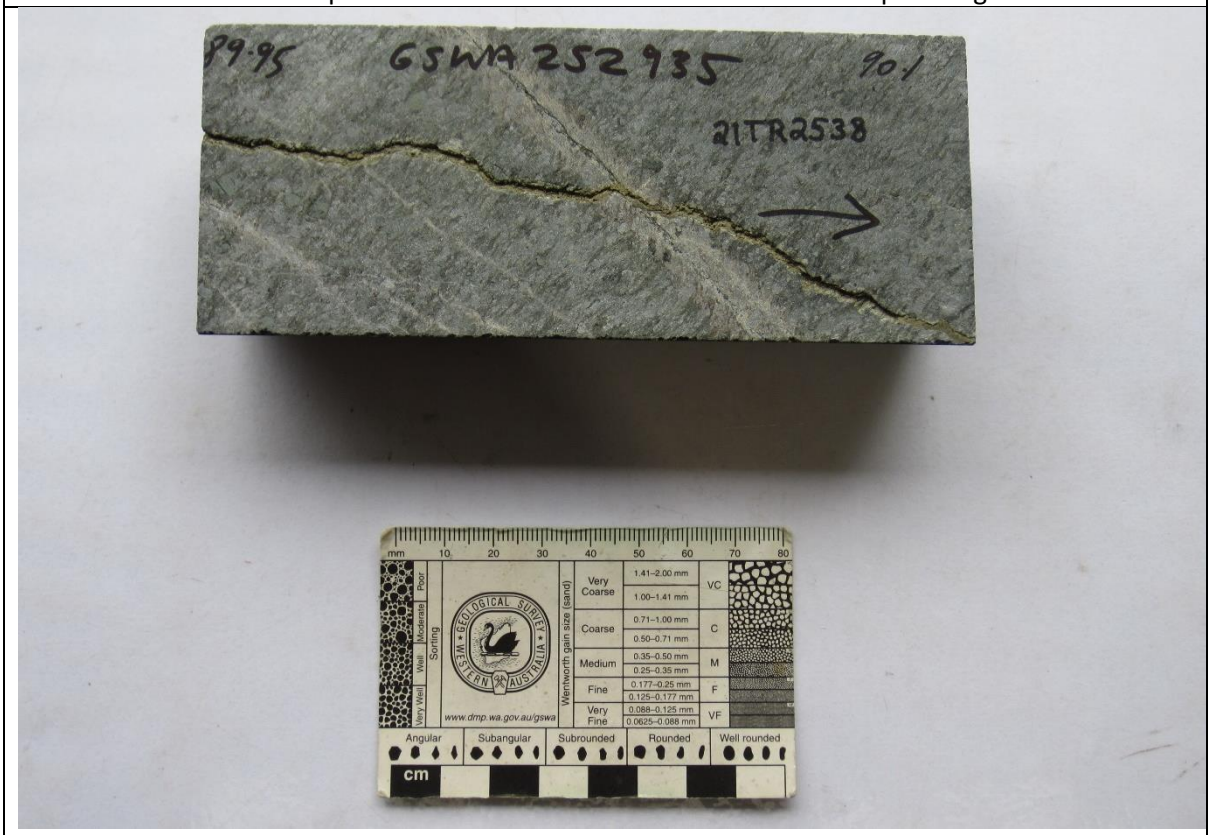
Terra ID: 21TR2535 Sample ID: 252932 Drillhole ID: 20GVDD0004 Depth Range: 83.95-84.1 m



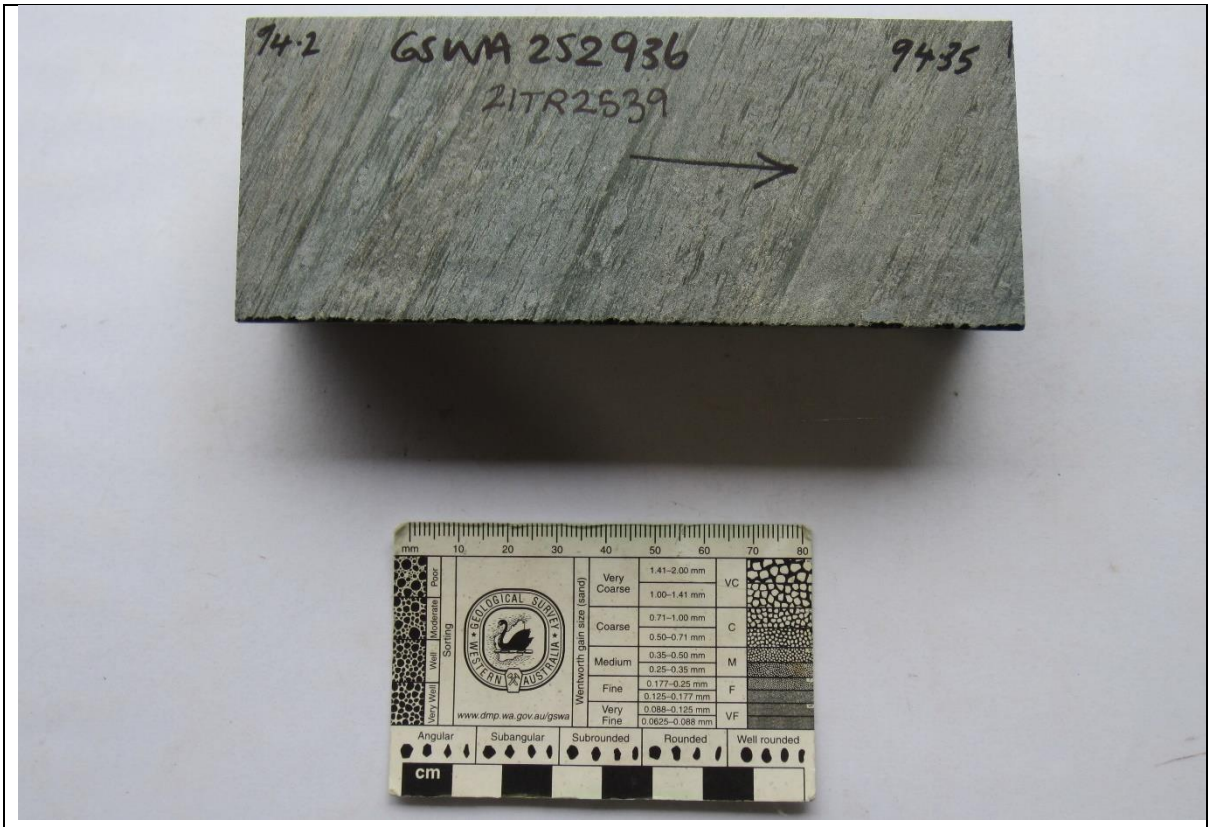
Terra ID: 21TR2536 Sample ID: 252933 Drillhole ID: 20GVDD0004 Depth Range: 86.85-87 m



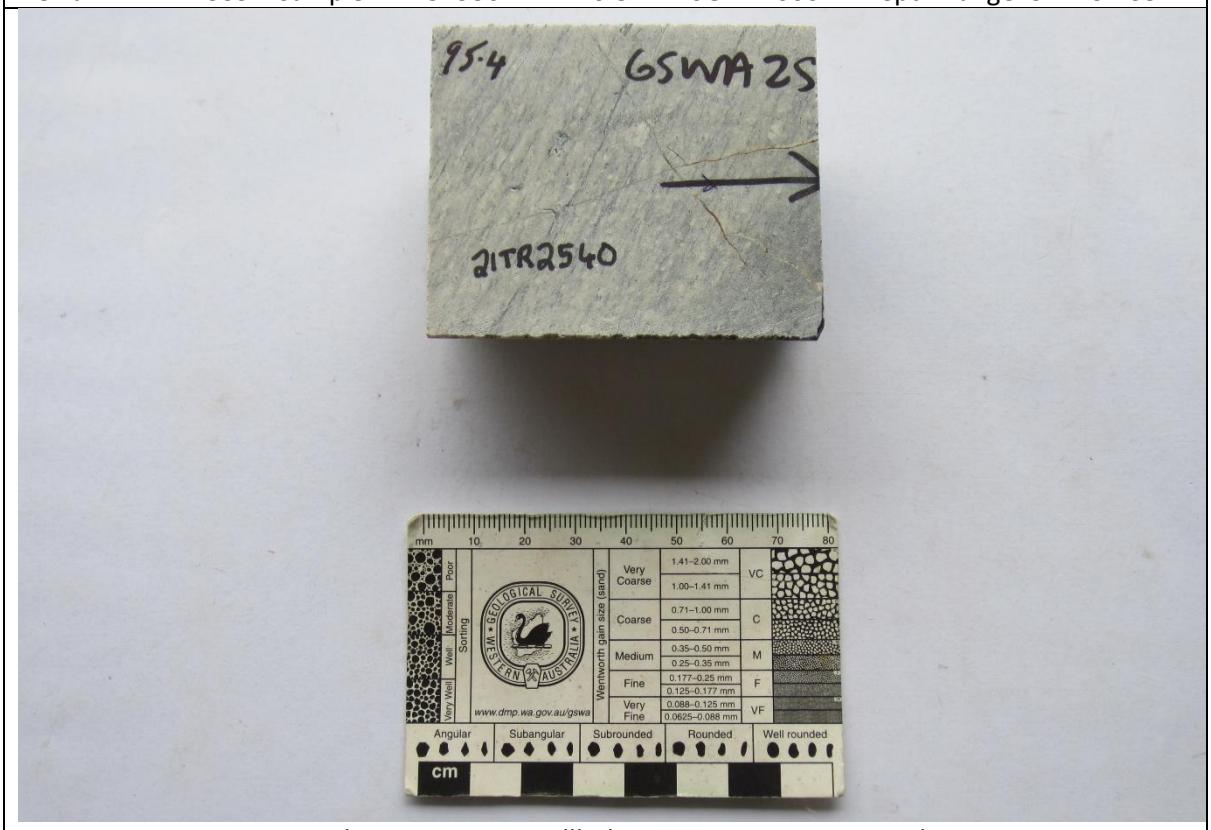
Terra ID: 21TR2537 Sample ID: 252934 Drillhole ID: 20GVDD0004 Depth Range: 87.18-87.33 m



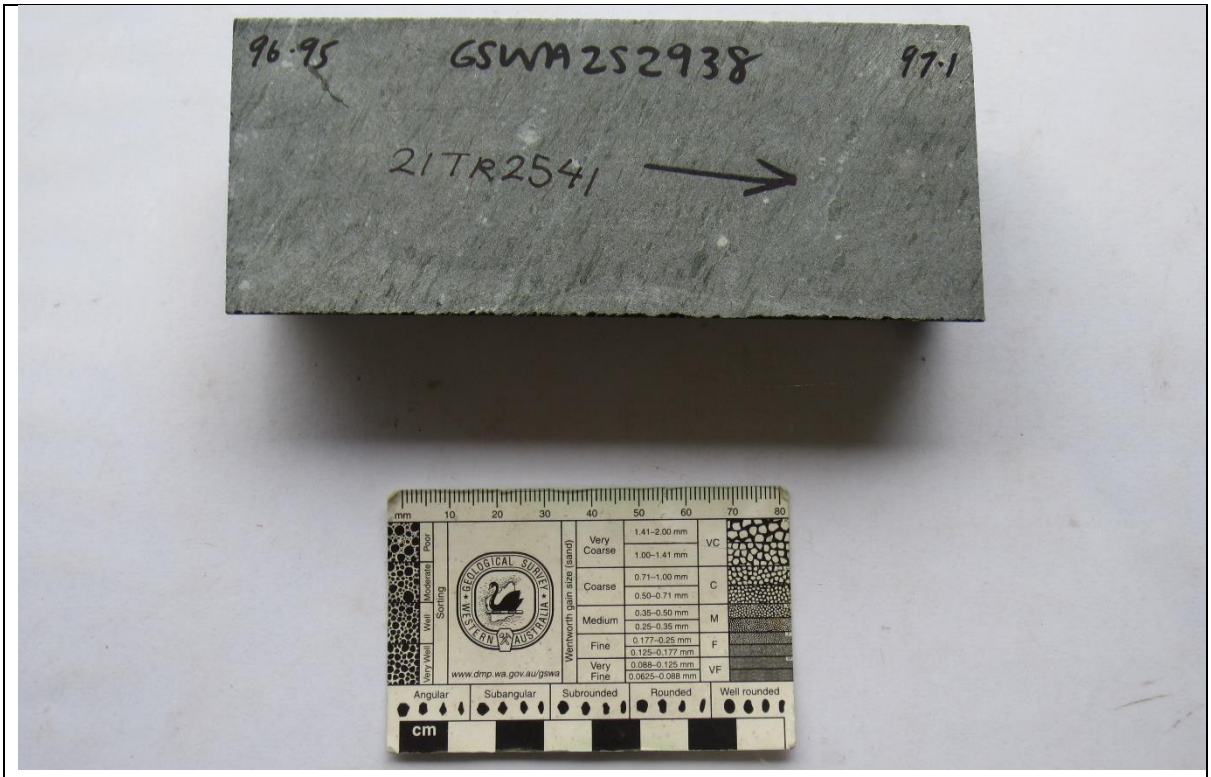
Terra ID: 21TR2538 Sample ID: 252935 Drillhole ID: 20GVDD0004 Depth Range: 89.95-90.1 m



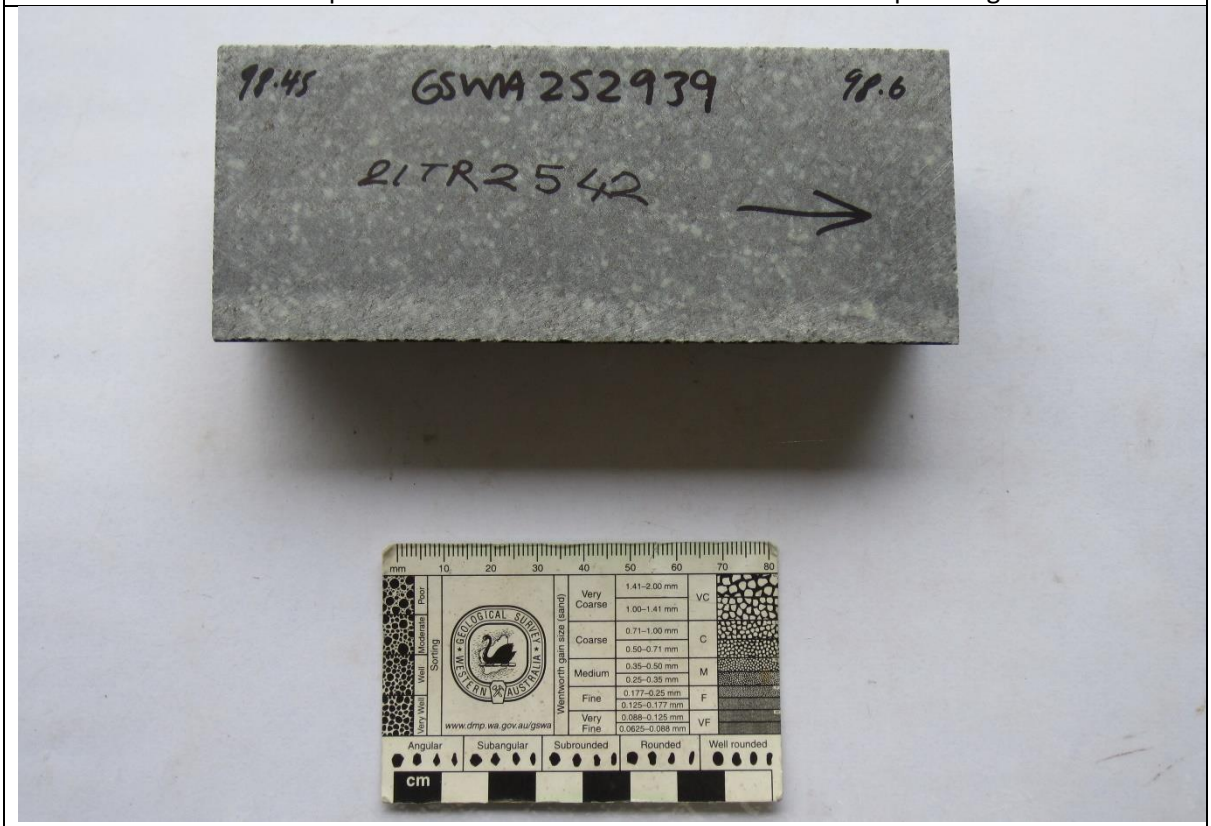
Terra ID: 21TR2539 Sample ID: 252936 Drillhole ID: 20GVDD0004 Depth Range: 94.2-94.35 m



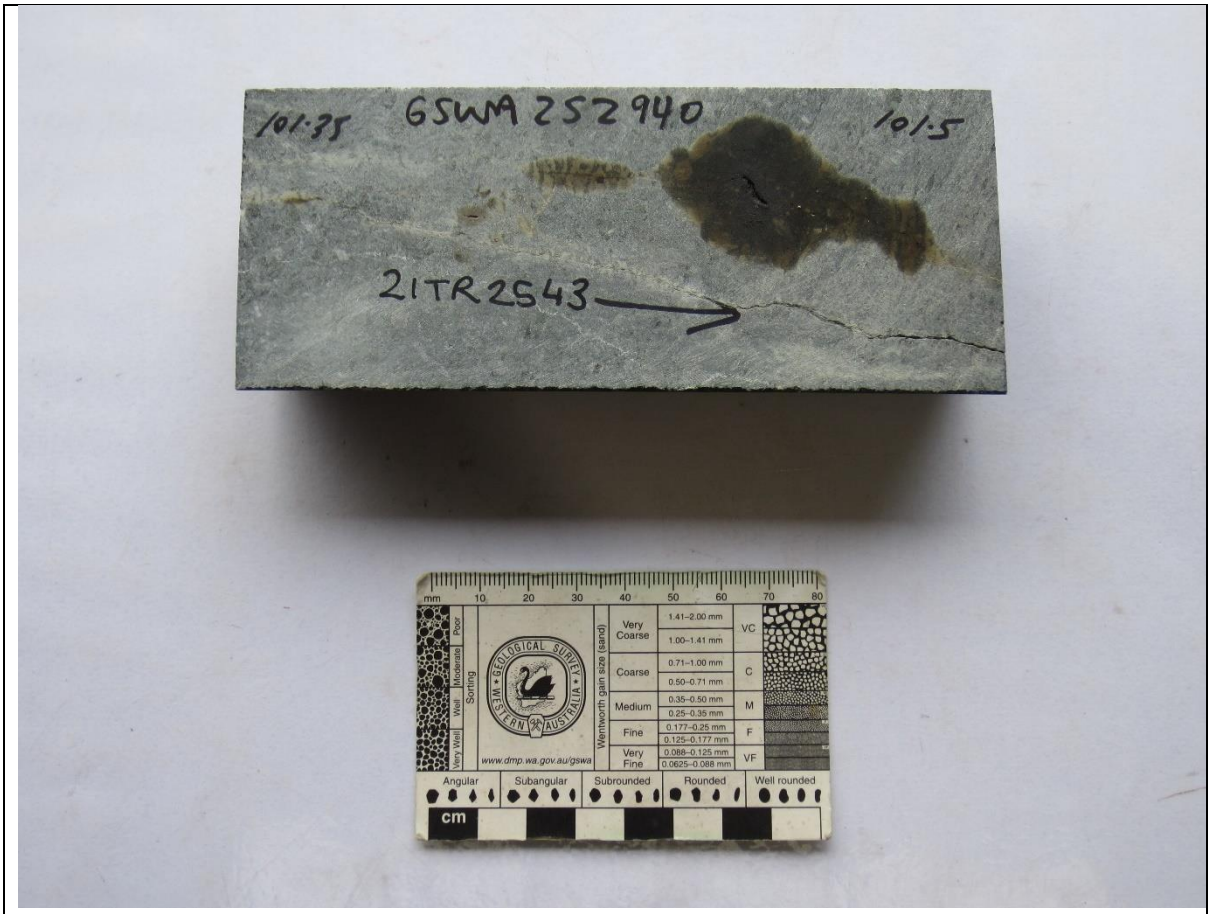
Terra ID: 21TR2540 Sample ID: 252937 Drillhole ID: 20GVDD0004 Depth Range: 95.4-95.55 m



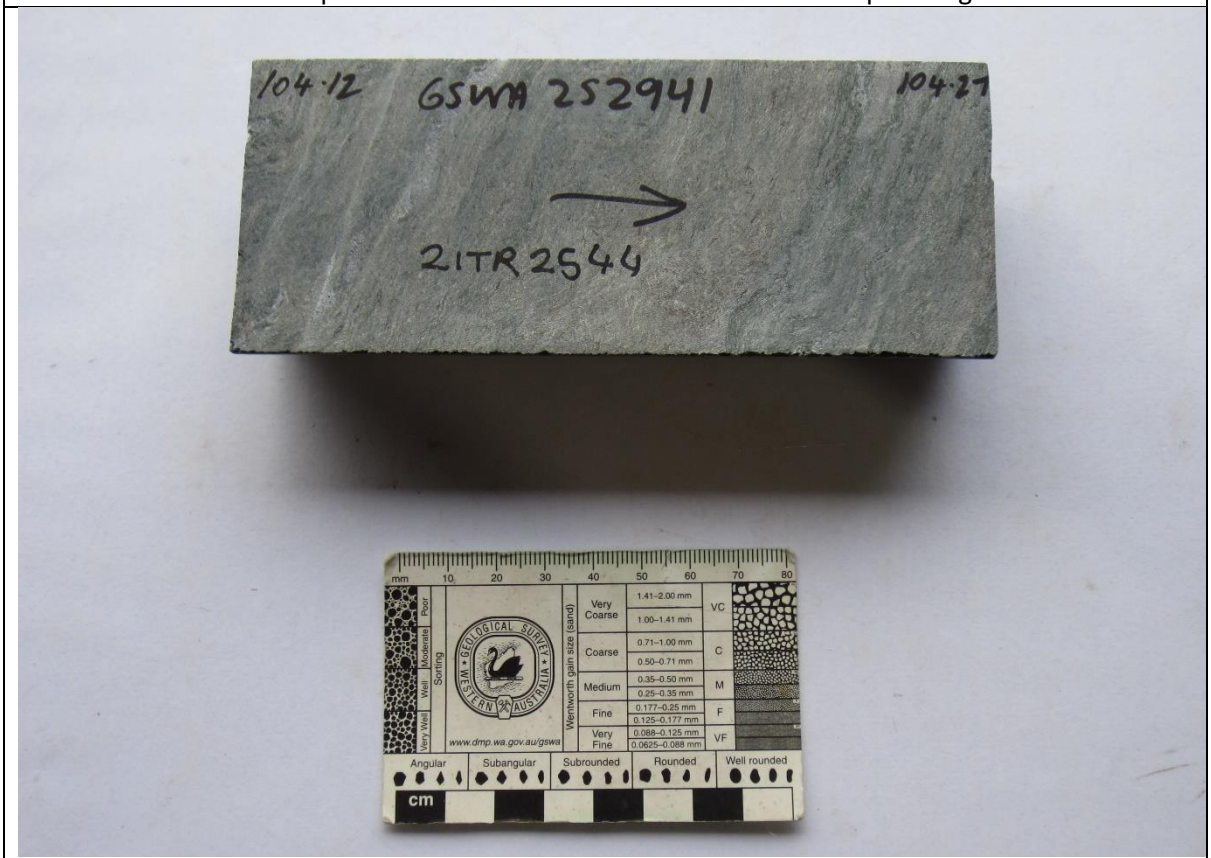
Terra ID: 21TR2541 Sample ID: 252938 Drillhole ID: 20GVDD0004 Depth Range: 96.95-97.1 m



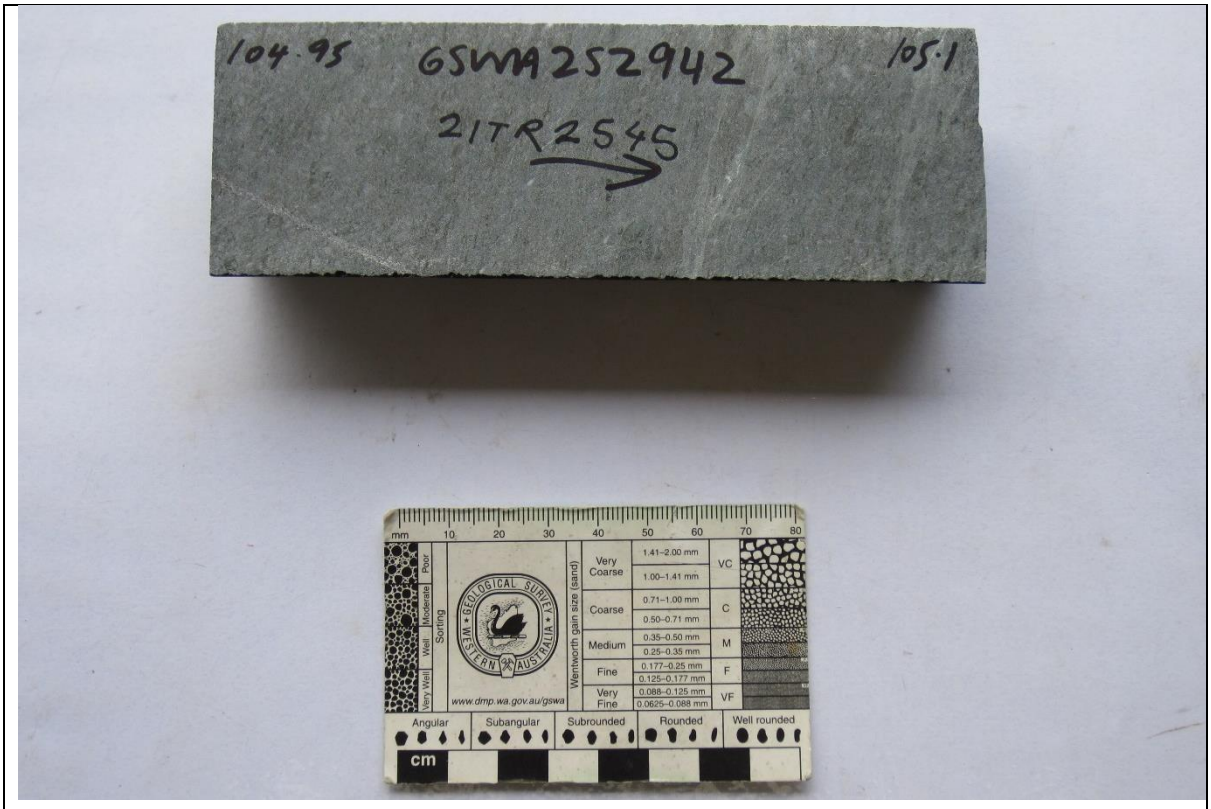
Terra ID: 21TR2542 Sample ID: 252939 Drillhole ID: 20GVDD0004 Depth Range: 98.45-98.6 m



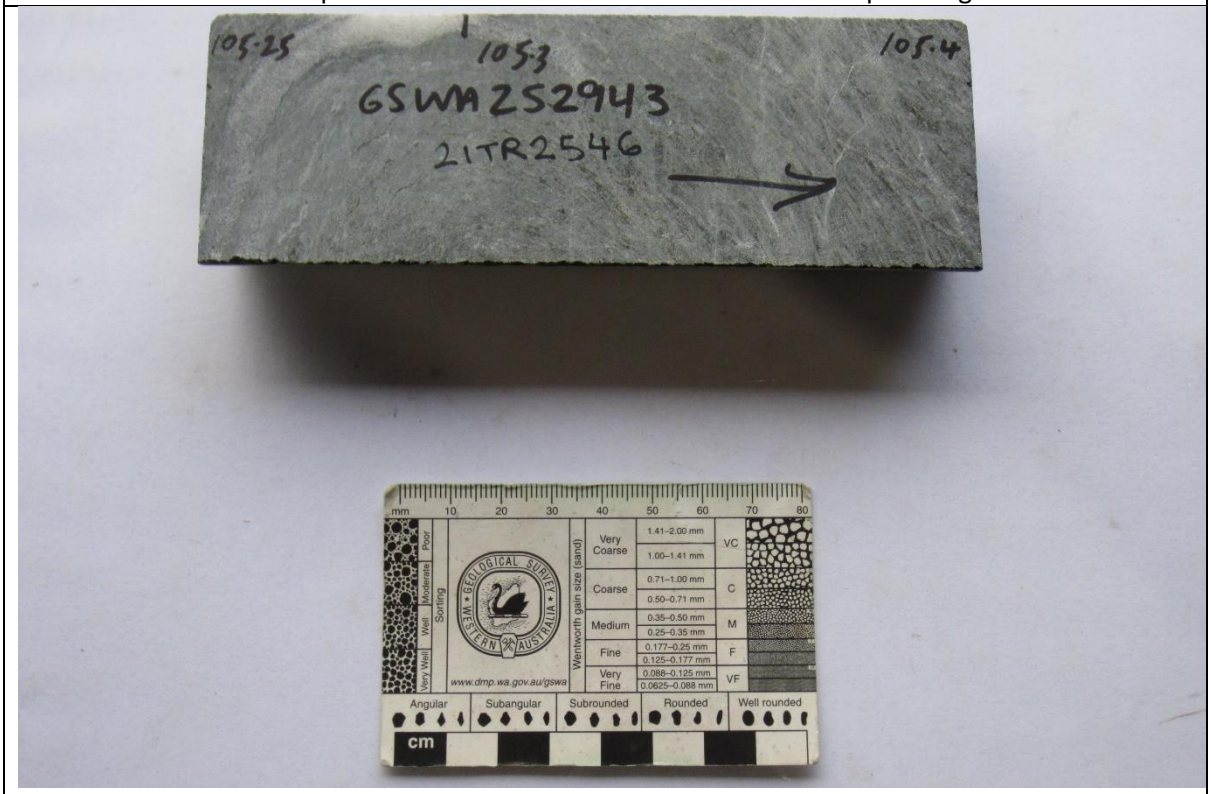
Terra ID: 21TR2543 Sample ID: 252940 Drillhole ID: 20GVDD0004 Depth Range: 101.35-101.5 m



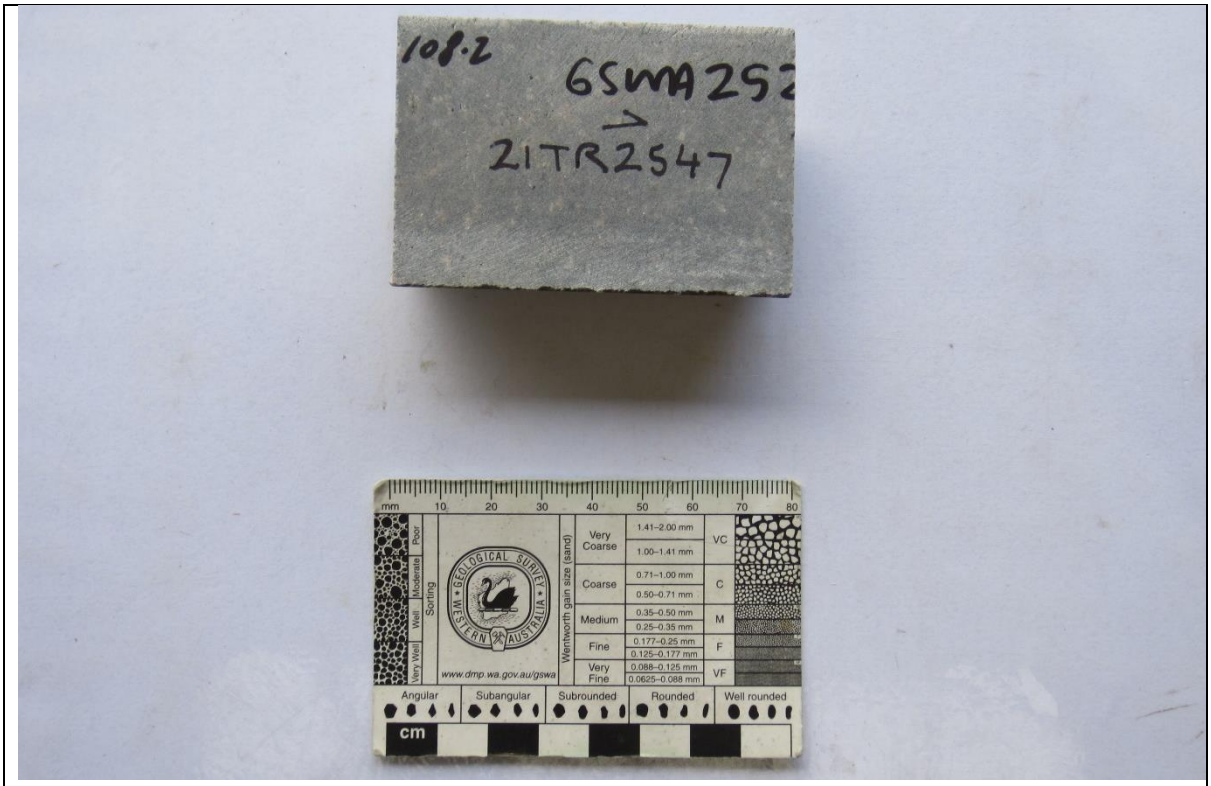
Terra ID: 21TR2544 Sample ID: 252941 Drillhole ID: 20GVDD0004 Depth Range: 104.12-104.27 m



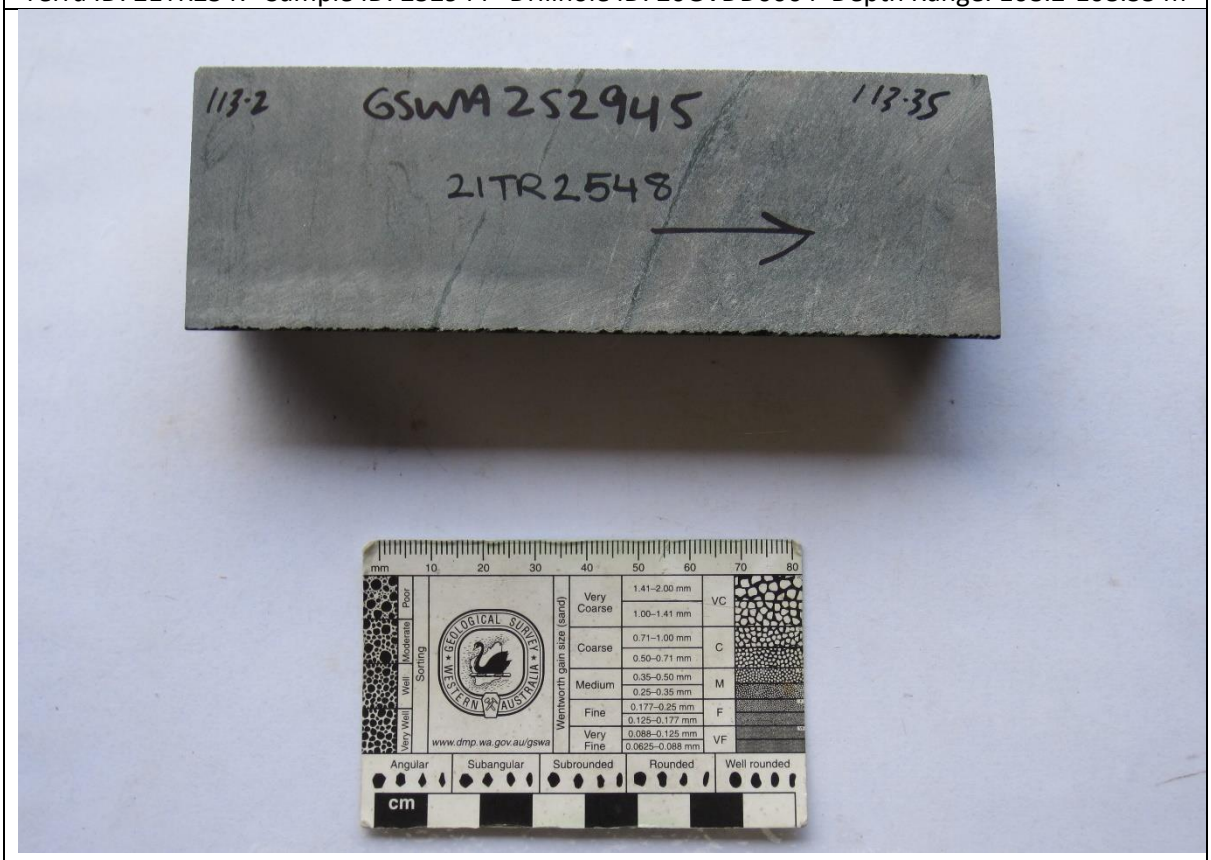
Terra ID: 21TR2545 Sample ID: 252942 Drillhole ID: 20GVDD0004 Depth Range: 104.95-105.1 m



Terra ID: 21TR2546 Sample ID: 252943 Drillhole ID: 20GVDD0004 Depth Range: 105.25-105.4 m



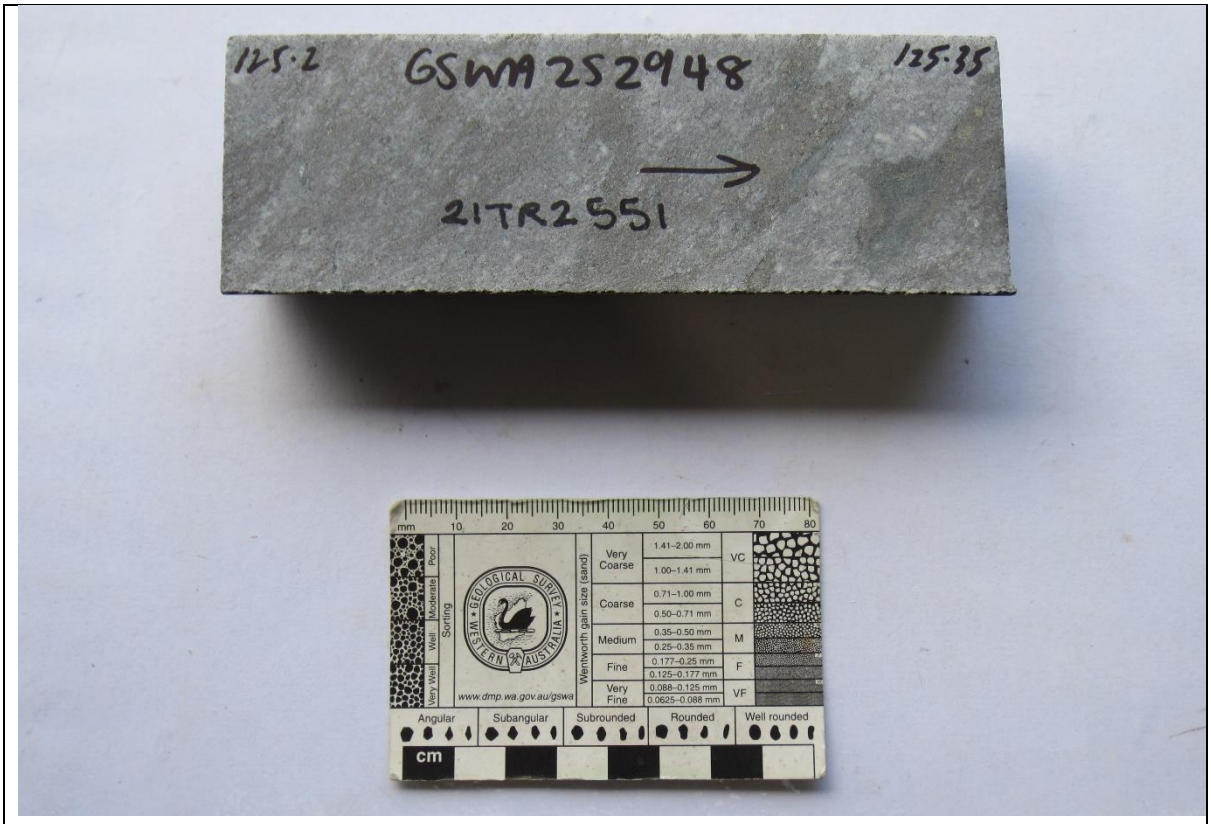
Terra ID: 21TR2547 Sample ID: 252944 Drillhole ID: 20GVDD0004 Depth Range: 108.2-108.35 m



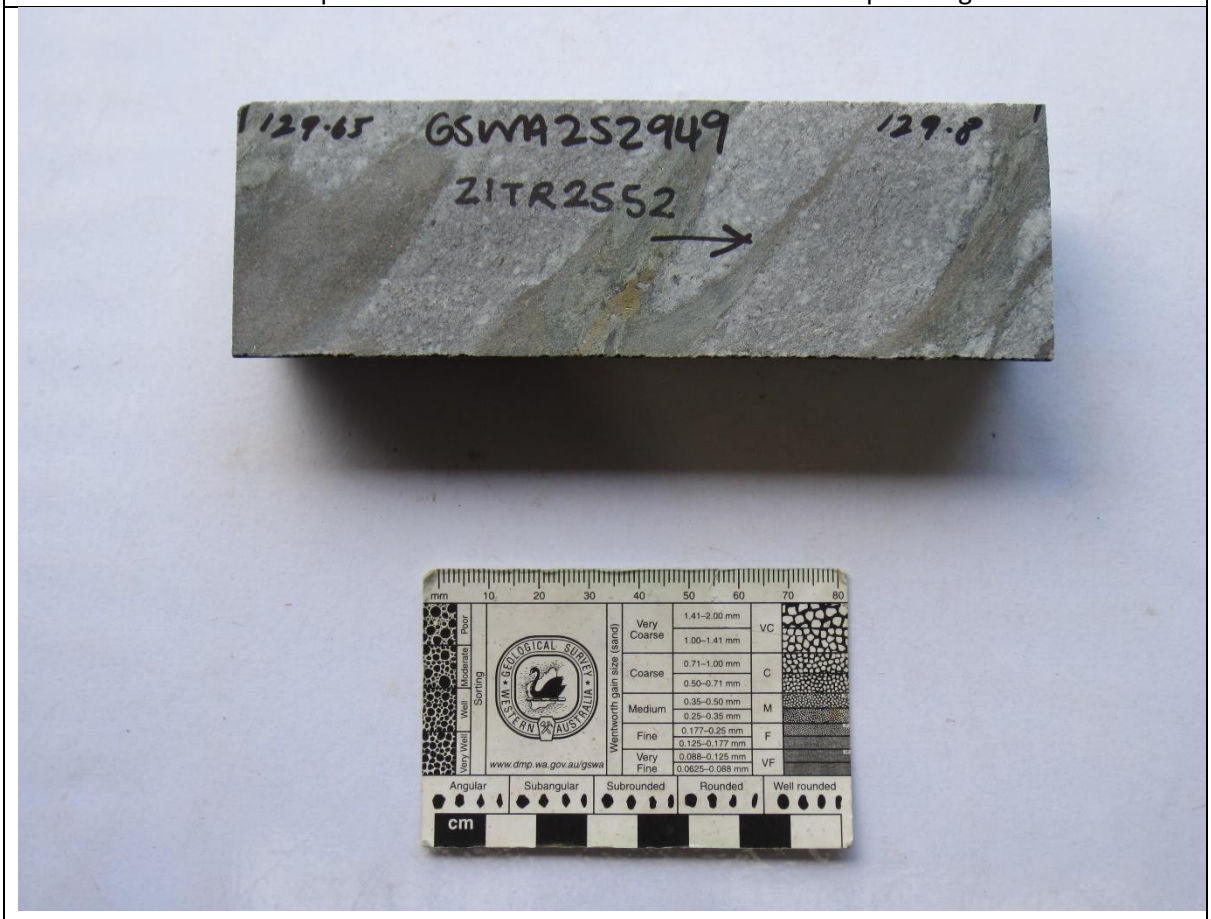
Terra ID: 21TR2548 Sample ID: 252945 Drillhole ID: 20GVDD0004 Depth Range: 113.2-113.35 m

Terra ID: 21TR2549 Sample ID: 252946 Drillhole ID: 20GVDD0004 Depth Range: 119.83-119.98 m

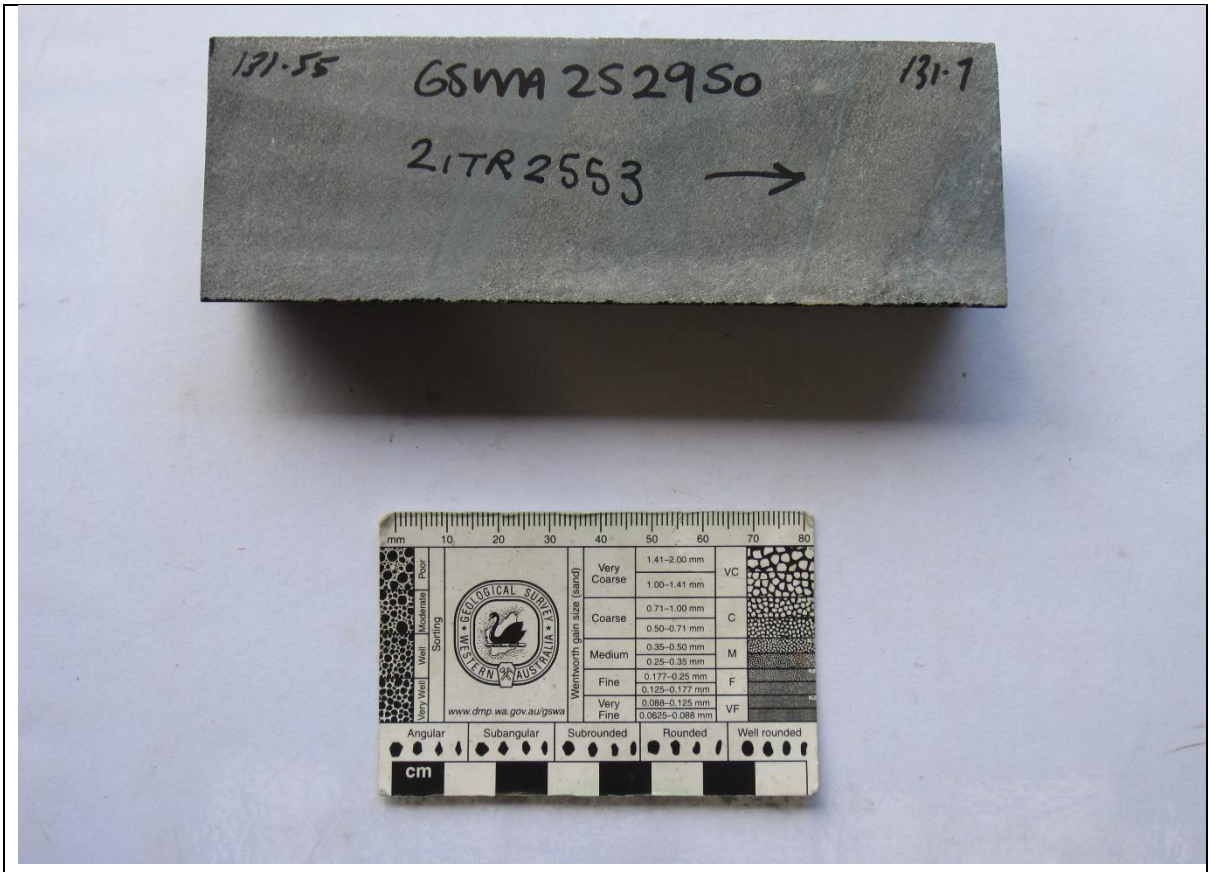
Terra ID: 21TR2550 Sample ID: 252947 Drillhole ID: 20GVDD0004 Depth Range: 123.4-123.55 m



Terra ID: 21TR2551 Sample ID: 252948 Drillhole ID: 20GVDD0004 Depth Range: 125.2-125.35 m

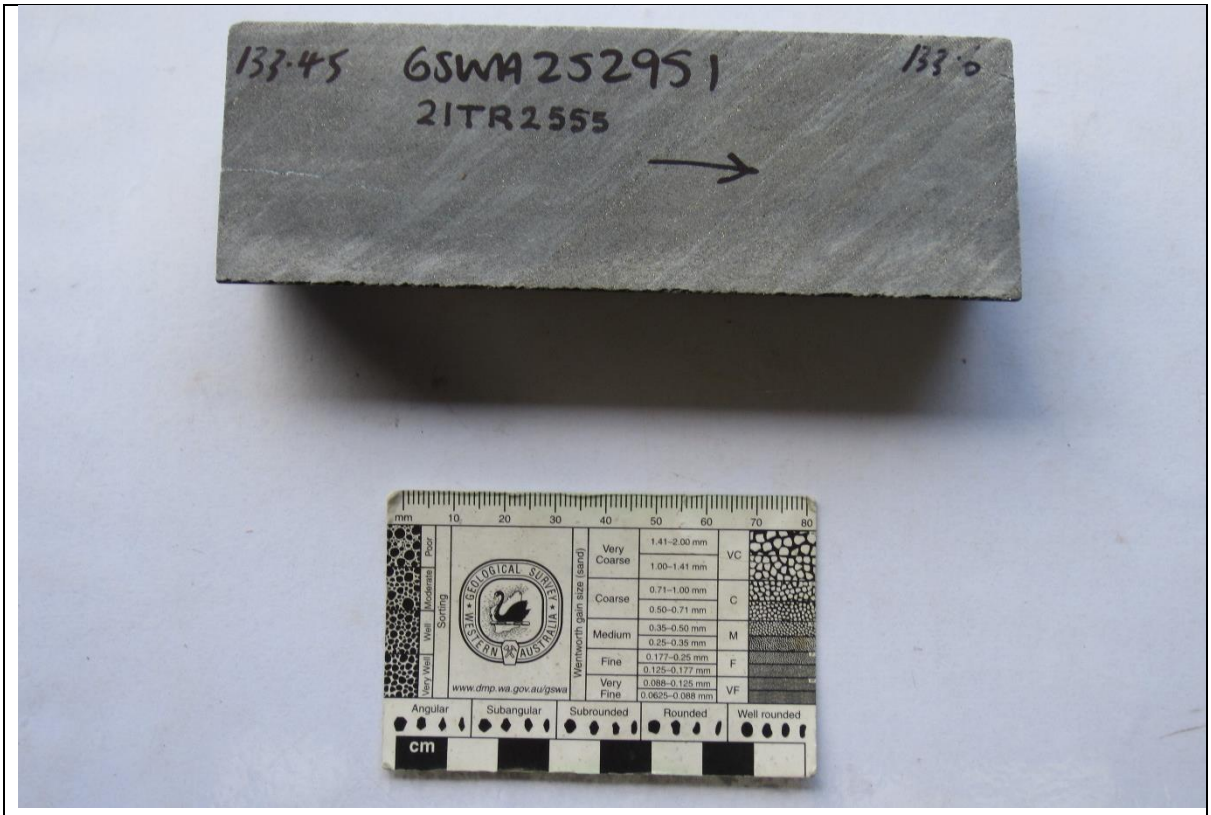


Terra ID: 21TR2552 Sample ID: 252949 Drillhole ID: 20GVDD0004 Depth Range: 129.65-129.8 m

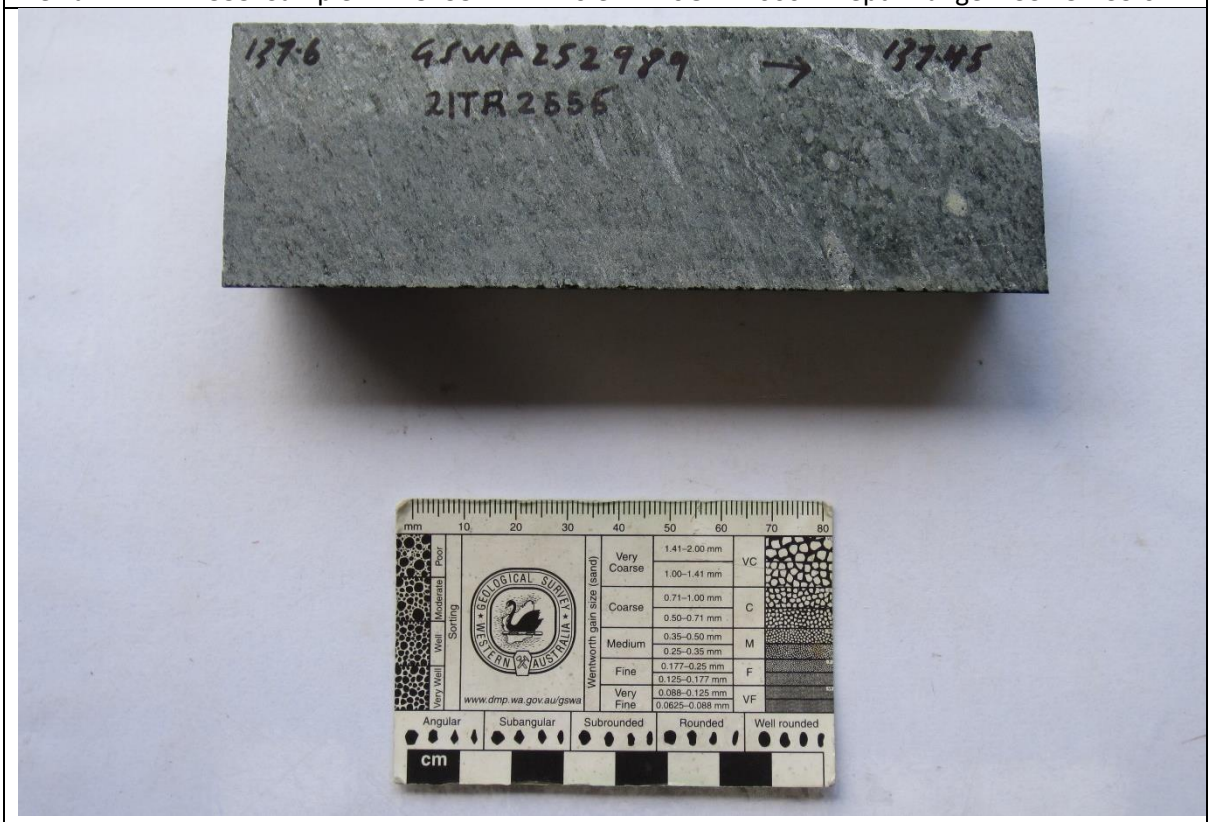


Terra ID: 21TR2553 Sample ID: 252950 Drillhole ID: 20GVDD0004 Depth Range: 131.55-131.7 m

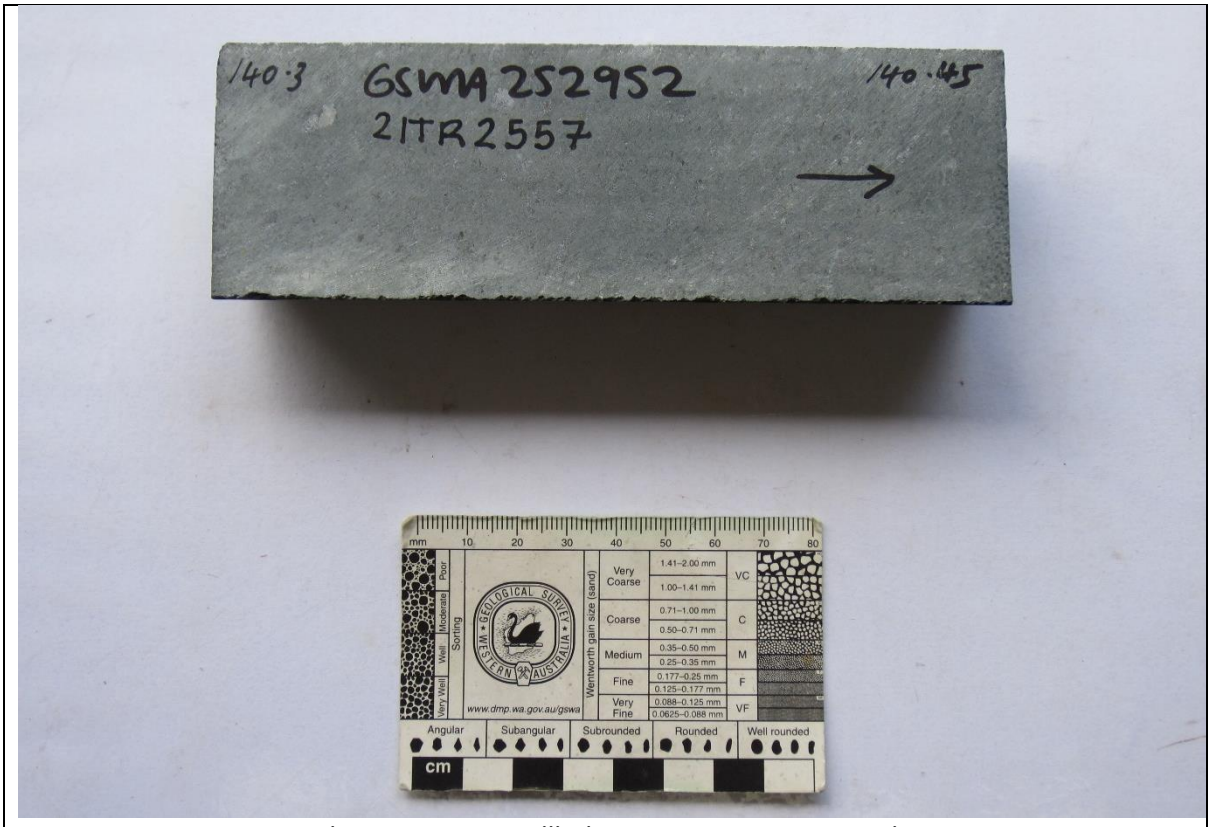
Terra ID: 21TR2554 Sample ID: 252988 Drillhole ID: 20GVDD0004 Depth Range: 133.09-133.24 m



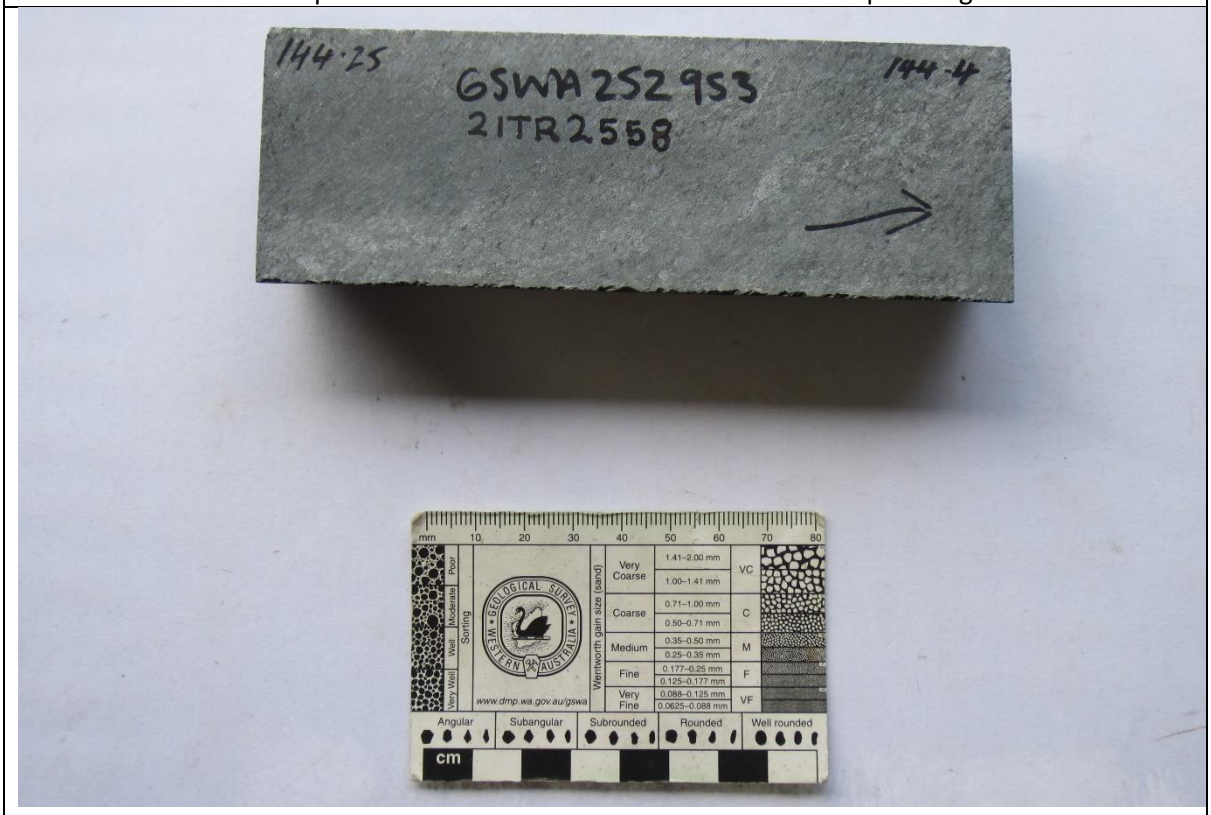
Terra ID: 21TR2555 Sample ID: 252951 Drillhole ID: 20GVDD0004 Depth Range: 133.45-133.6 m



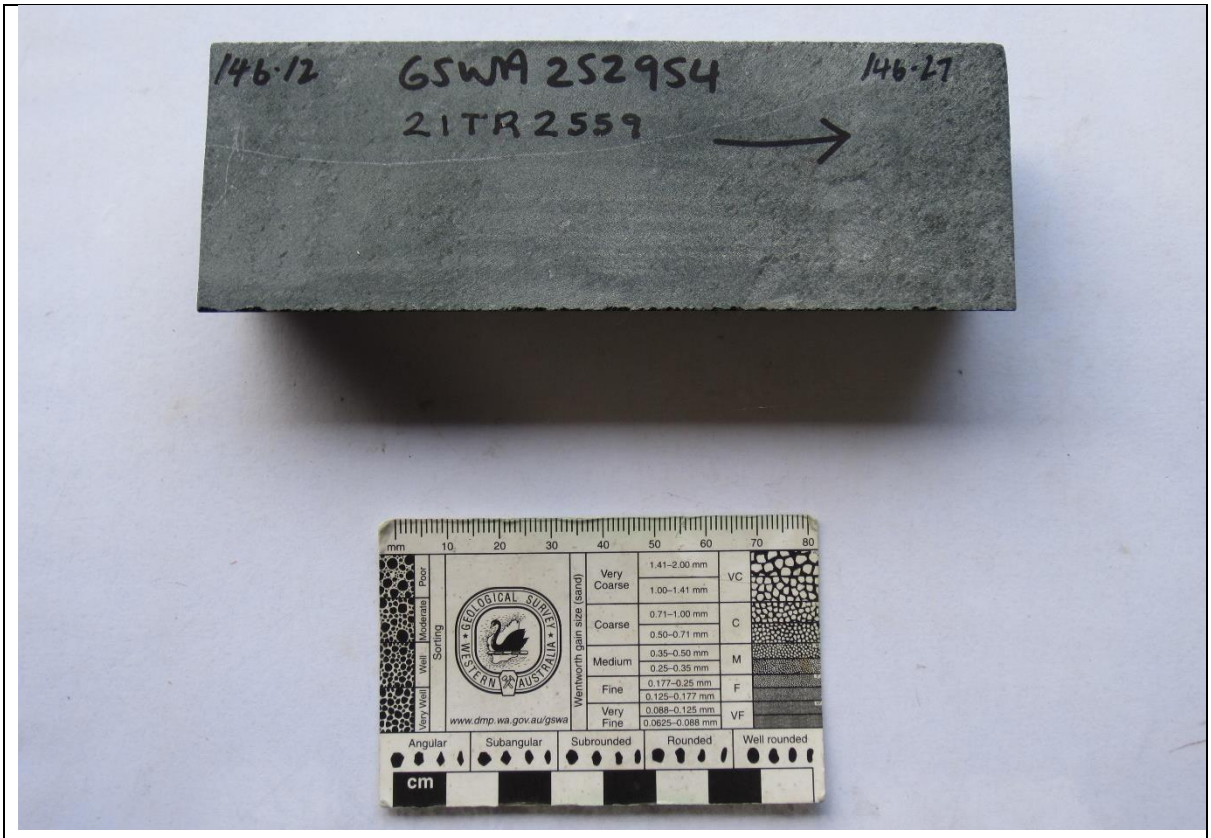
Terra ID: 21TR2556 Sample ID: 252989 Drillhole ID: 20GVDD0004 Depth Range: 137.6-137.75 m



Terra ID: 21TR2557 Sample ID: 252952 Drillhole ID: 20GVDD0004 Depth Range: 140.3-140.45 m



Terra ID: 21TR2558 Sample ID: 252953 Drillhole ID: 20GVDD0004 Depth Range: 144.25-144.4 m

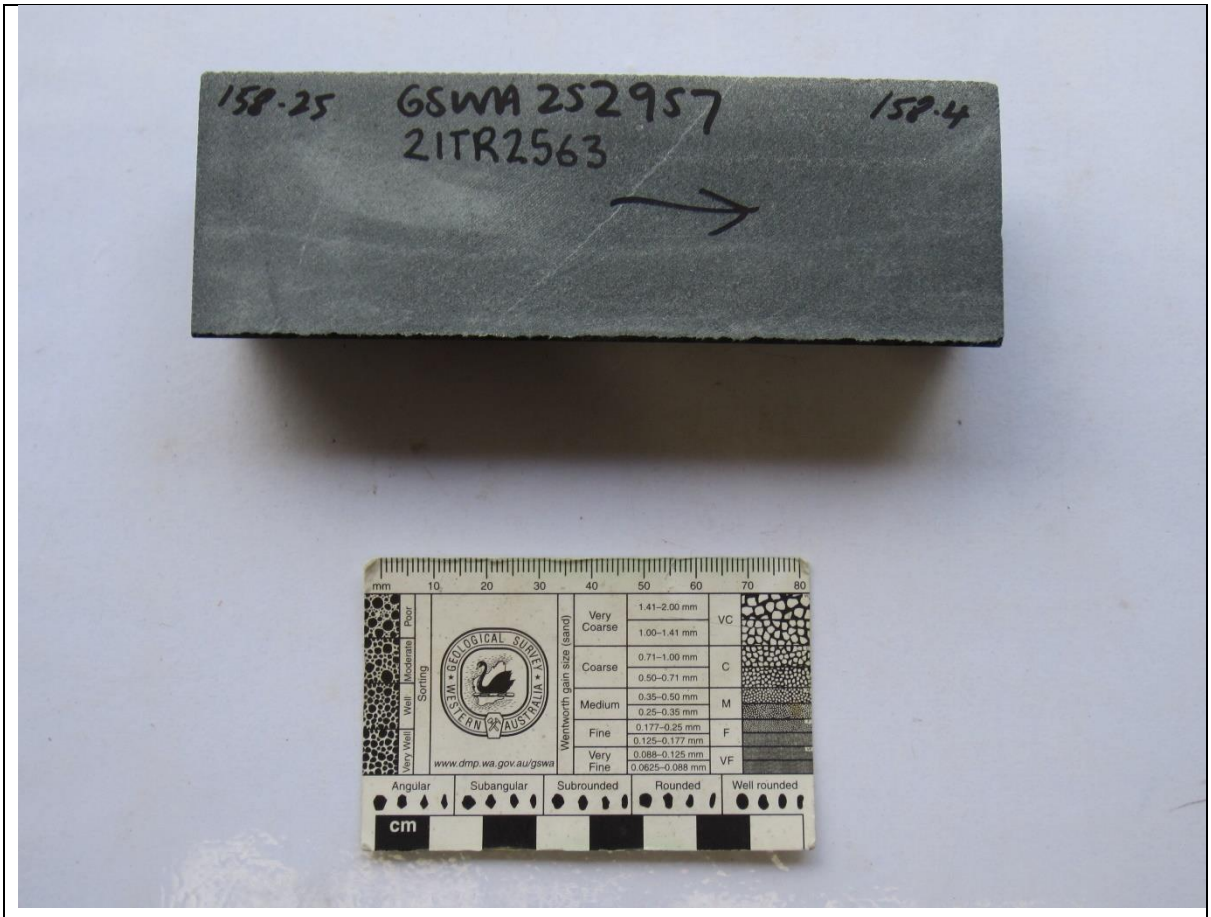


Terra ID: 21TR2559 Sample ID: 252954 Drillhole ID: 20GVDD0004 Depth Range: 146.12-146.27 m

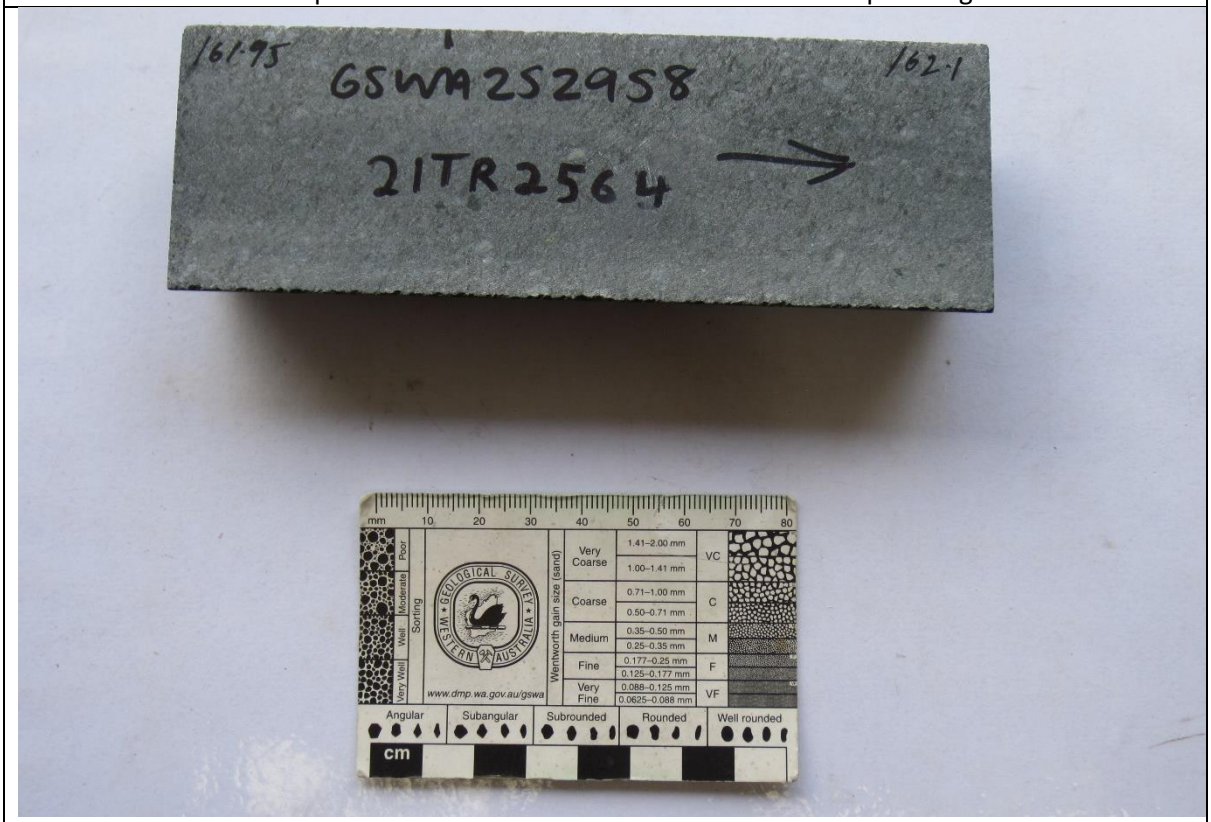
Terra ID: 21TR2560 Sample ID: 252955 Drillhole ID: 20GVDD0004 Depth Range: 154.95-155.1 m

Terra ID: 21TR2561 Sample ID: 252956 Drillhole ID: 20GVDD0004 Depth Range: 155.9-156.05 m

Terra ID: 21TR2562 Sample ID: 252990 Drillhole ID: 20GVDD0004 Depth Range: 156.5-156.65 m

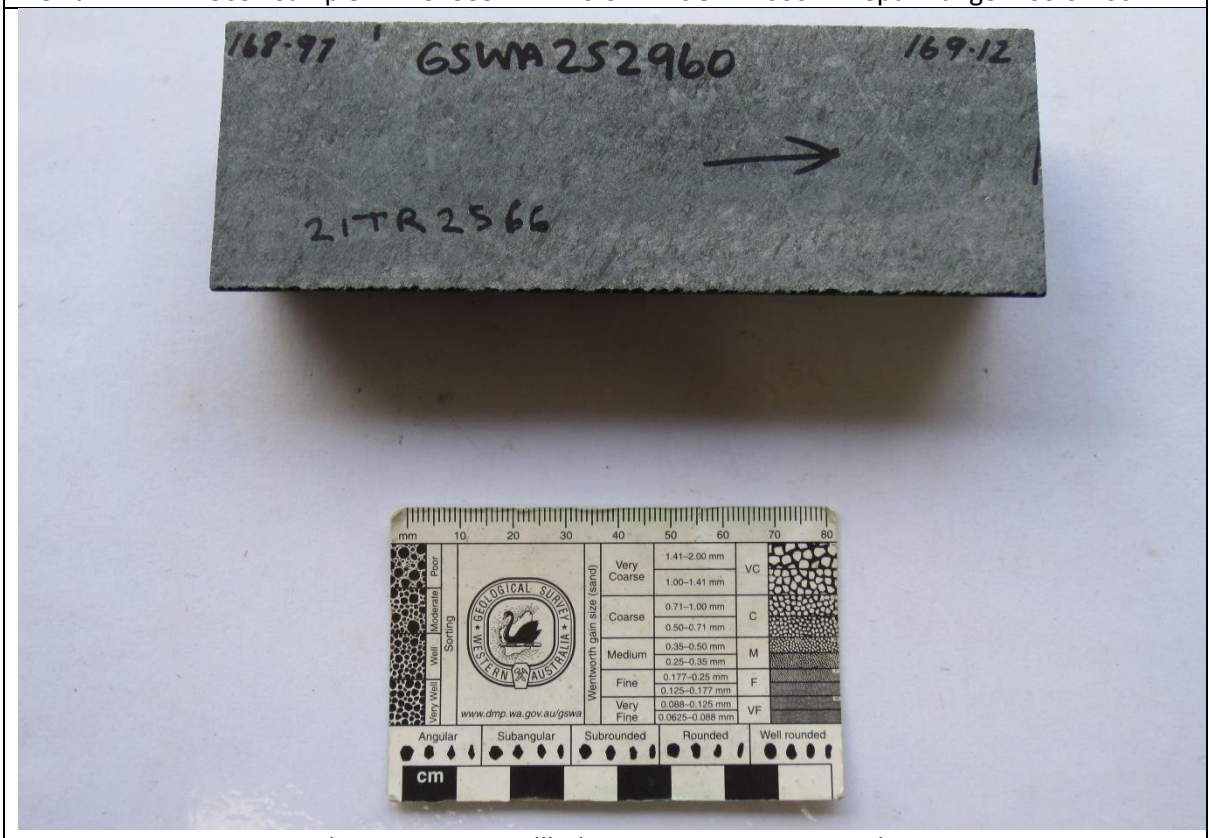


Terra ID: 21TR2563 Sample ID: 252957 Drillhole ID: 20GVDD0004 Depth Range: 158.25-158.4 m



Terra ID: 21TR2564 Sample ID: 252958 Drillhole ID: 20GVDD0004 Depth Range: 161.95-162.1 m

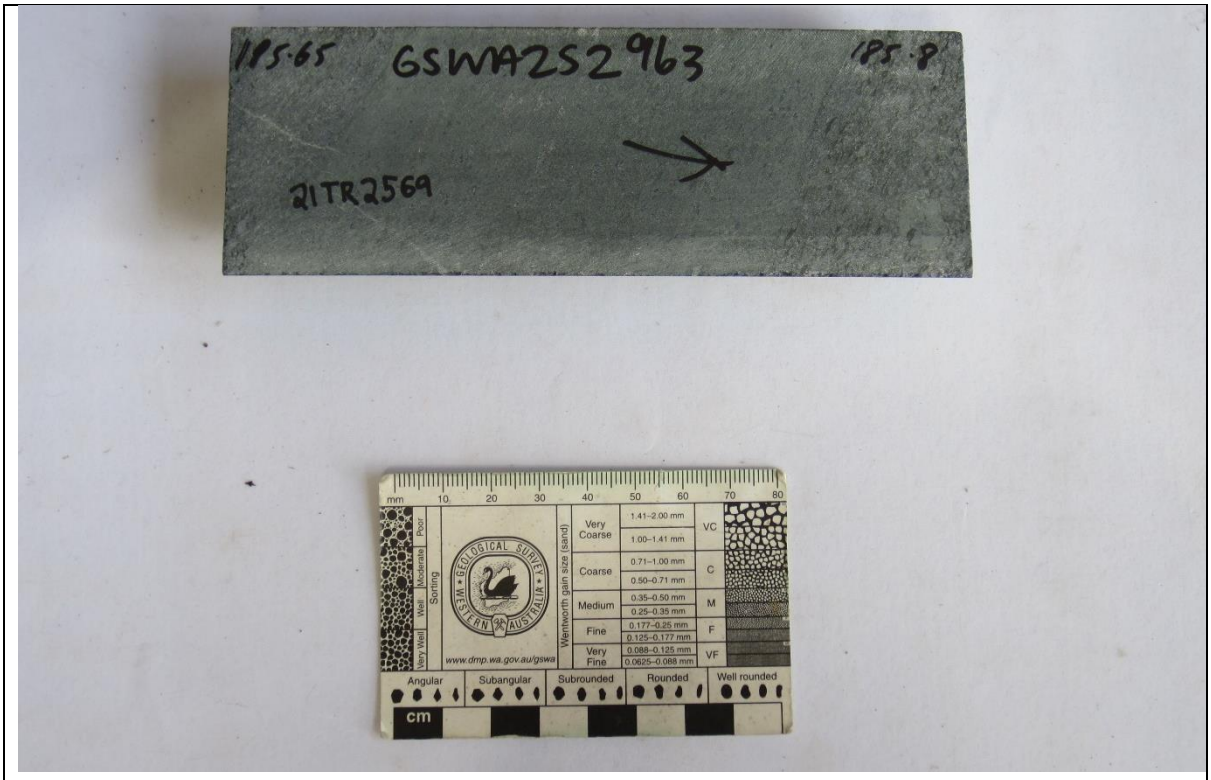
Terra ID: 21TR2565 Sample ID: 252959 Drillhole ID: 20GVDD0004 Depth Range: 166.6-166.7 m



Terra ID: 21TR2566 Sample ID: 252960 Drillhole ID: 20GVDD0004 Depth Range: 168.97-169.12 m

Terra ID: 21TR2567 Sample ID: 252961 Drillhole ID: 20GVDD0004 Depth Range: 177.85-178 m

Terra ID: 21TR2568 Sample ID: 252962 Drillhole ID: 20GVDD0004 Depth Range: 180.85-181 m



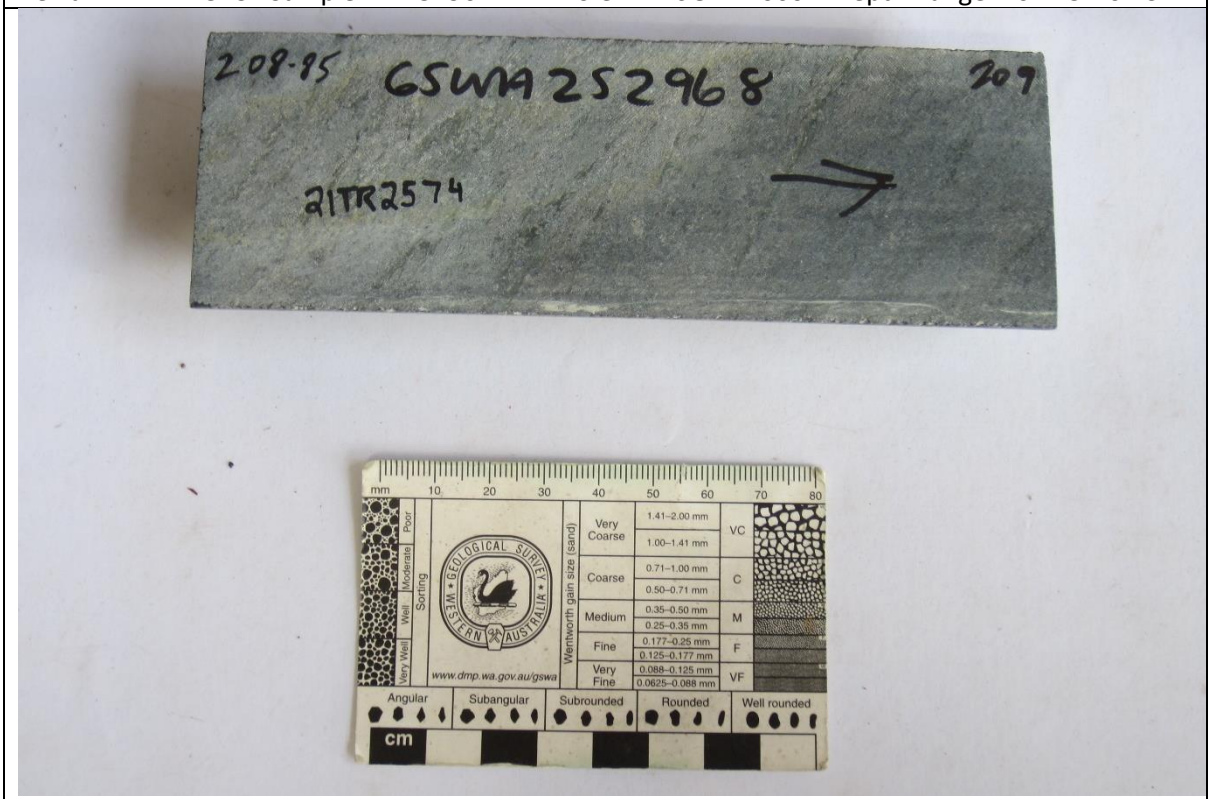
Terra ID: 21TR2569 Sample ID: 252963 Drillhole ID: 20GVDD0004 Depth Range: 185.65-185.8 m

Terra ID: 21TR2570 Sample ID: 252964 Drillhole ID: 20GVDD0004 Depth Range: 190.27-190.42 m

Terra ID: 21TR2571 Sample ID: 252965 Drillhole ID: 20GVDD0004 Depth Range: 194.9-195.05 m

Terra ID: 21TR2572 Sample ID: 252966 Drillhole ID: 20GVDD0004 Depth Range: 201.91-202.06 m

Terra ID: 21TR2573 Sample ID: 252967 Drillhole ID: 20GVDD0004 Depth Range: 204.15-204.3 m



Terra ID: 21TR2574 Sample ID: 252968 Drillhole ID: 20GVDD0004 Depth Range: 208.85-209 m

Terra ID: 21TR2575 Sample ID: 252969 Drillhole ID: 20GVDD0004 Depth Range: 215.15-215.3 m

Terra ID: 21TR2576 Sample ID: 252970 Drillhole ID: 20GVDD0004 Depth Range: 217.8-217.95 m

Terra ID: 21TR2577 Sample ID: 252971 Drillhole ID: 20GVDD0004 Depth Range: 220.4-220.55 m

Terra ID: 21TR2578 Sample ID: 252972 Drillhole ID: 20GVDD0004 Depth Range: 228.95-229.1 m

Terra ID: 21TR2579 Sample ID: 252973 Drillhole ID: 20GVDD0004 Depth Range: 234.35-234.5 m

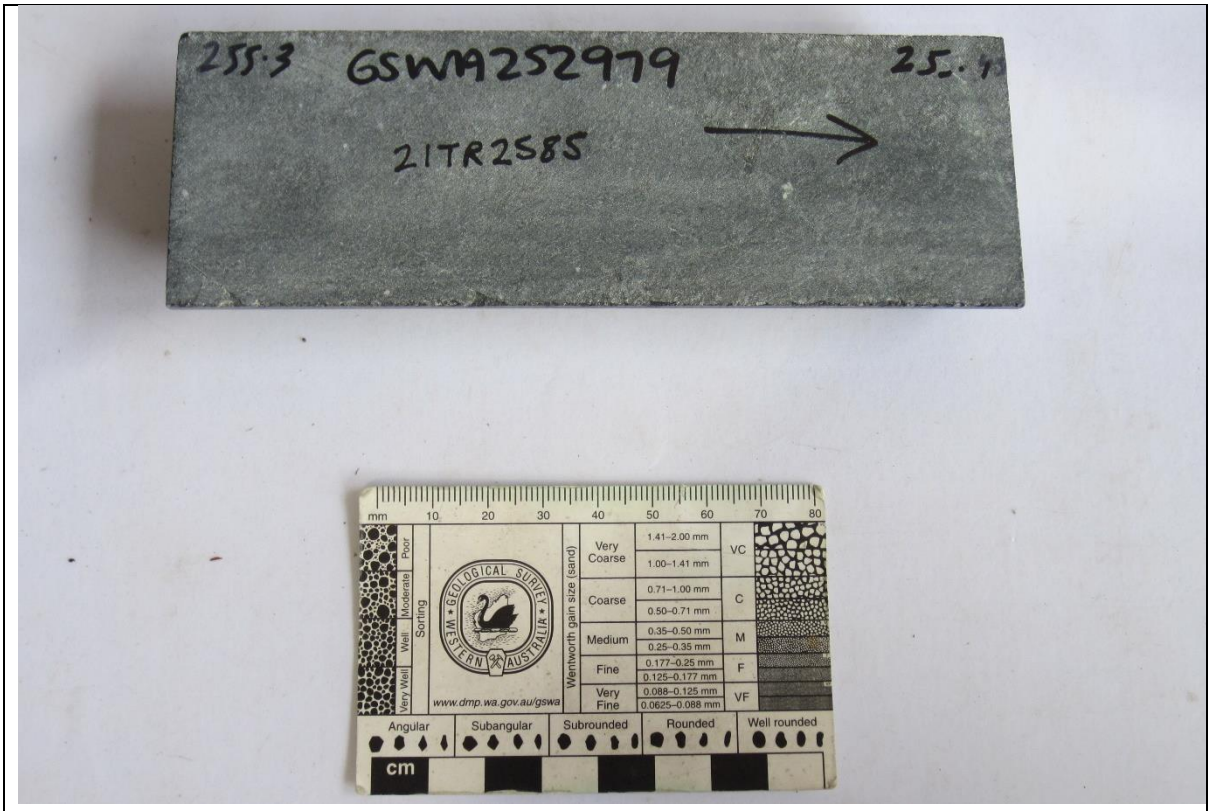
Terra ID: 21TR2580 Sample ID: 252974 Drillhole ID: 20GVDD0004 Depth Range: 238.1-238.25 m

Terra ID: 21TR2581 Sample ID: 252975 Drillhole ID: 20GVDD0004 Depth Range: 243.5-243.65 m

Terra ID: 21TR2582 Sample ID: 252976 Drillhole ID: 20GVDD0004 Depth Range: 247.35-247.51 m

Terra ID: 21TR2583 Sample ID: 252977 Drillhole ID: 20GVDD0004 Depth Range: 249.7-249.85 m

Terra ID: 21TR2584 Sample ID: 252978 Drillhole ID: 20GVDD0004 Depth Range: 252.3-252.45 m



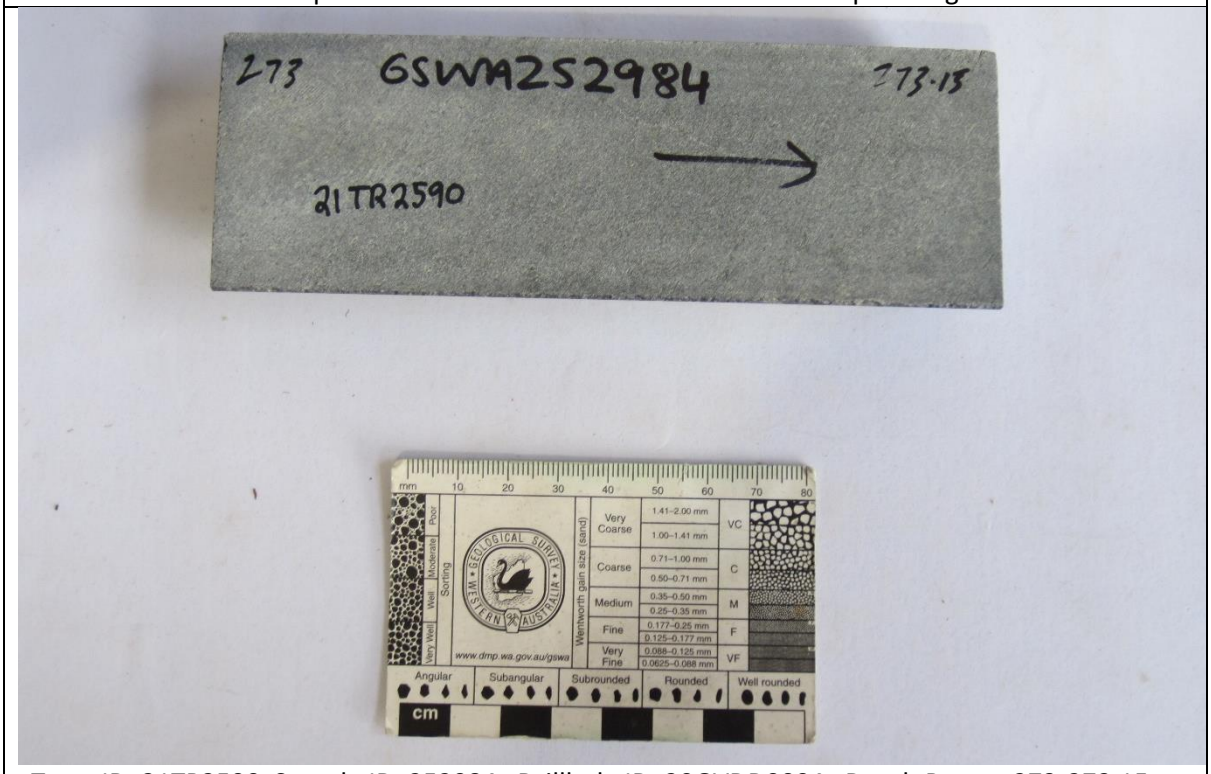
Terra ID: 21TR2585 Sample ID: 252979 Drillhole ID: 20GVDD0004 Depth Range: 255.3-255.45 m

Terra ID: 21TR2586 Sample ID: 252980 Drillhole ID: 20GVDD0004 Depth Range: 259.1-259.25 m

Terra ID: 21TR2587 Sample ID: 252981 Drillhole ID: 20GVDD0004 Depth Range: 263.39-263.54 m

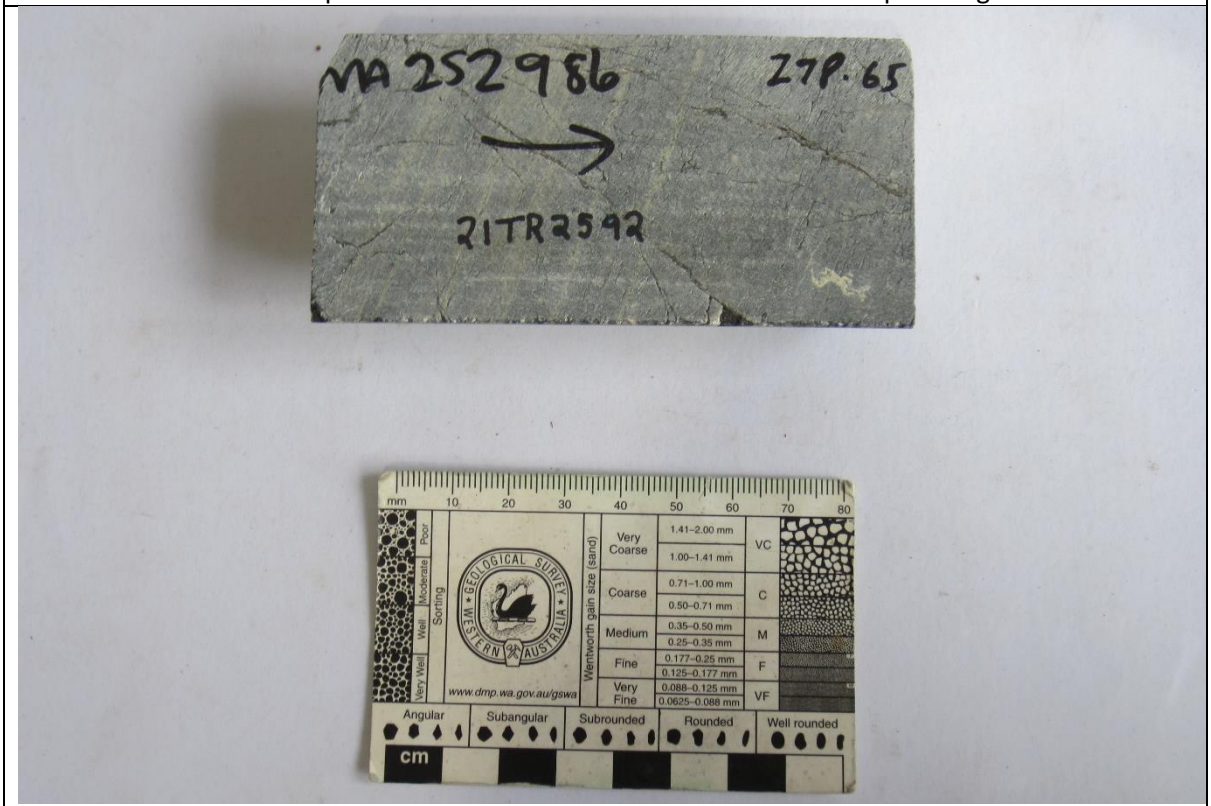
Terra ID: 21TR2588 Sample ID: 252982 Drillhole ID: 20GVDD0004 Depth Range: 268.72-268.87 m

Terra ID: 21TR2589 Sample ID: 252983 Drillhole ID: 20GVDD0004 Depth Range: 271.94-272.08 m



Terra ID: 21TR2590 Sample ID: 252984 Drillhole ID: 20GVDD0004 Depth Range: 273-273.15 m

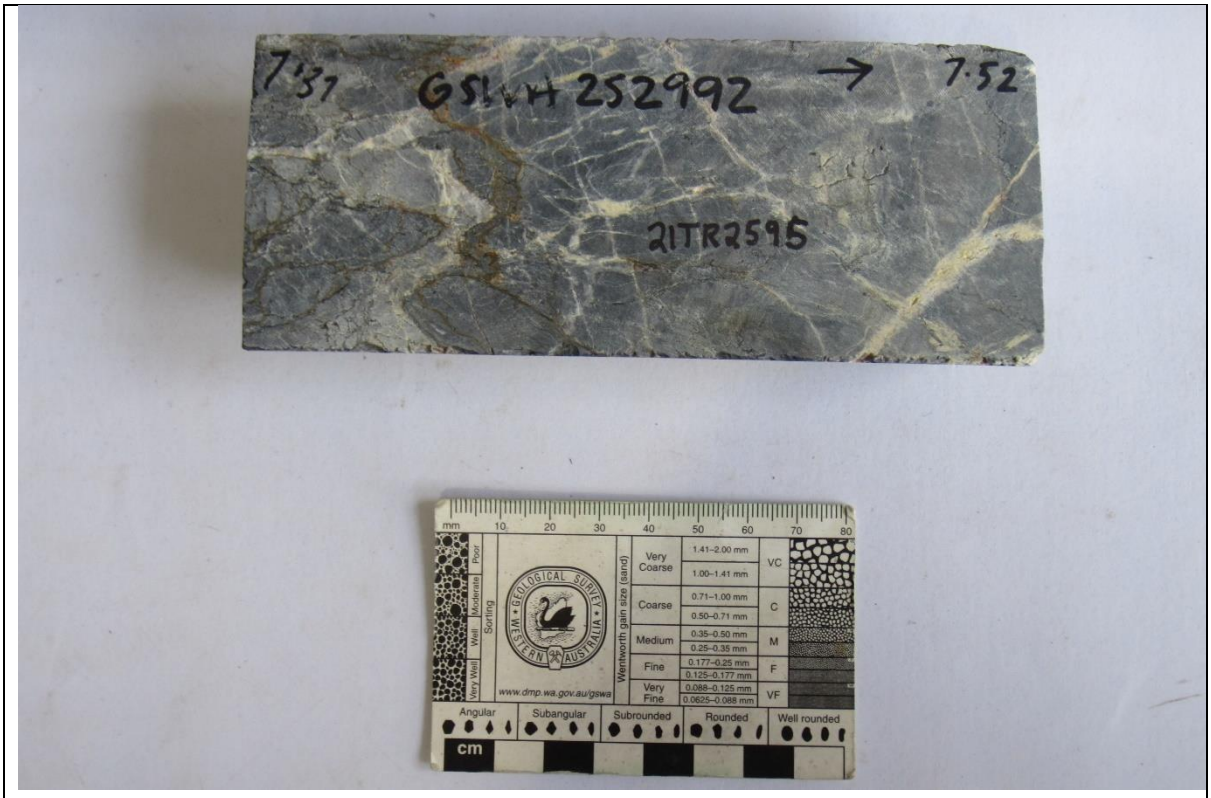
Terra ID: 21TR2591 Sample ID: 252985 Drillhole ID: 20GVDD0004 Depth Range: 276.85-277 m



Terra ID: 21TR2592 Sample ID: 252986 Drillhole ID: 20GVDD0004 Depth Range: 278.5-278.65 m

Terra ID: 21TR2593 Sample ID: 252987 Drillhole ID: 20GVDD0004 Depth Range: 283.3-283.45 m

Terra ID: 21TR2594 Sample ID: 252991 Drillhole ID: 20BBDD0005 Depth Range: 5.41-5.56 m



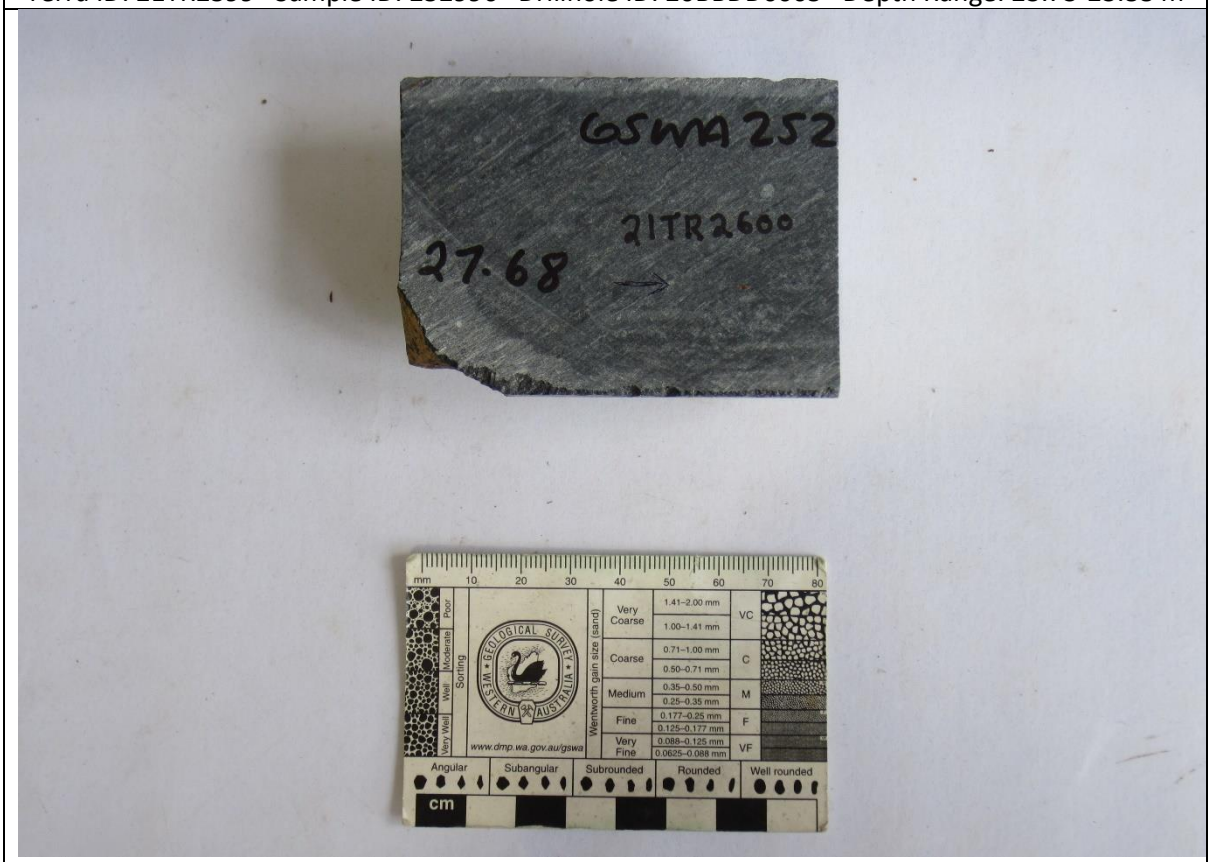
Terra ID: 21TR2595 Sample ID: 252992 Drillhole ID: 20BBDD0005 Depth Range: 7.31-7.46 m

Terra ID: 21TR2596 Sample ID: 252993 Drillhole ID: 20BBDD0005 Depth Range: 8.32-8.47 m

Terra ID: 21TR2597 Sample ID: 252994 Drillhole ID: 20BBDD0005 Depth Range: 17.17-17.32 m

Terra ID: 21TR2598 Sample ID: 252995 Drillhole ID: 20BBDD0005 Depth Range: 22-22.15 m

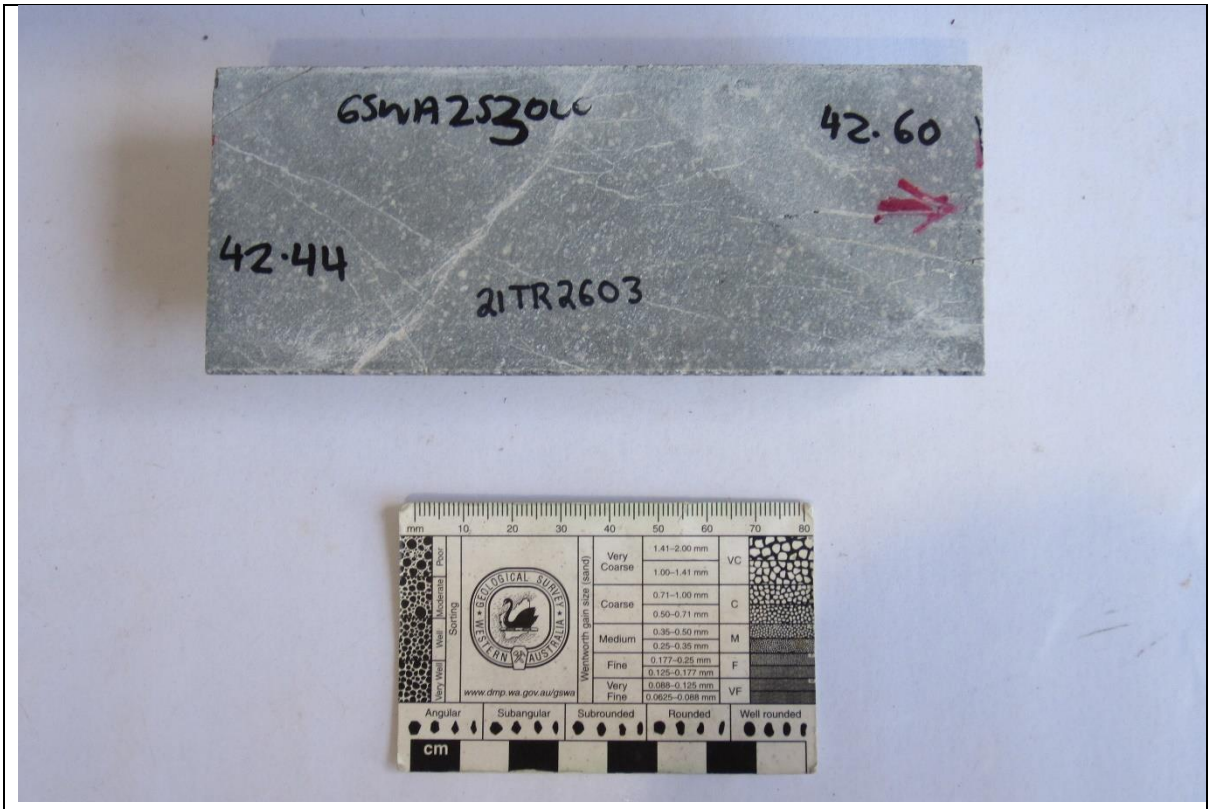
Terra ID: 21TR2599 Sample ID: 252996 Drillhole ID: 20BBDD0005 Depth Range: 23.73-23.88 m



Terra ID: 21TR2600 Sample ID: 252997 Drillhole ID: 20BBDD0005 Depth Range: 27.68-27.83 m

Terra ID: 21TR2601 Sample ID: 252998 Drillhole ID: 20BBDD0005 Depth Range: 32.83-32.98 m

Terra ID: 21TR2602 Sample ID: 252999 Drillhole ID: 20BBDD0005 Depth Range: 35.15-35.3 m

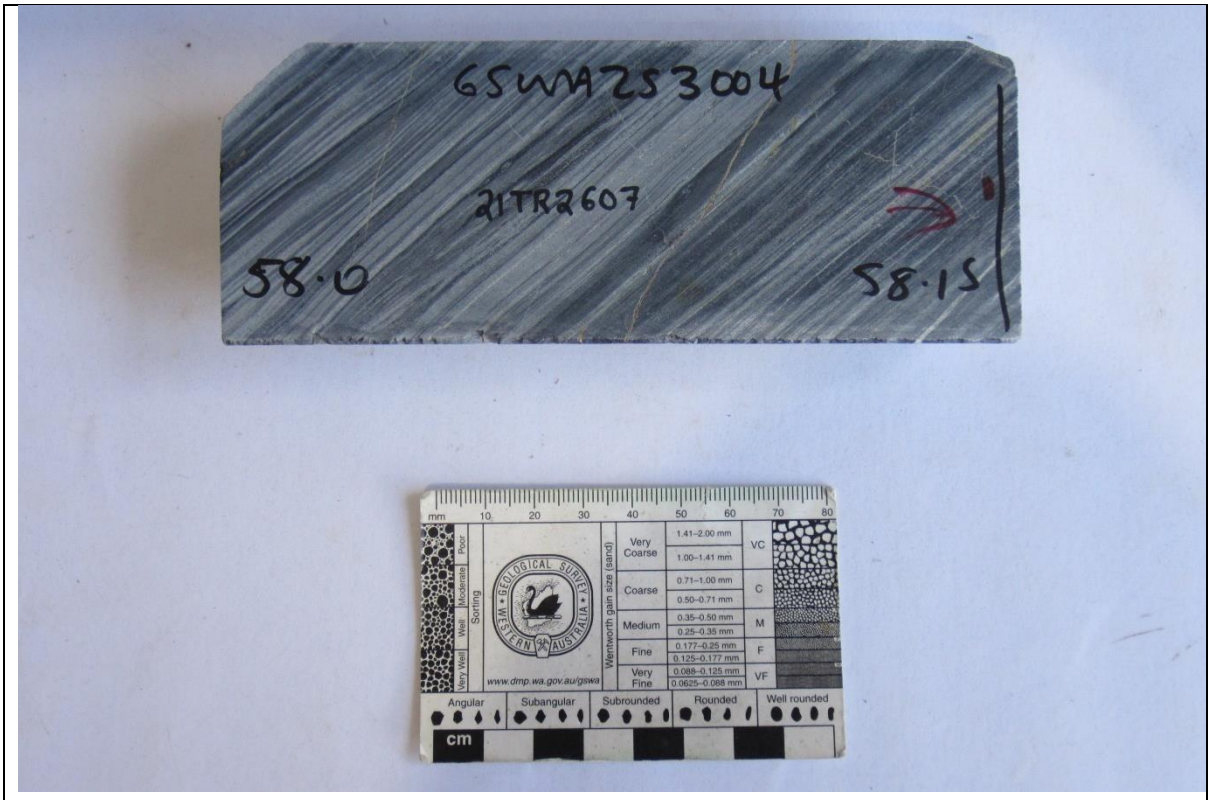


Terra ID: 21TR2603 Sample ID: 253000 Drillhole ID: 20BBDD0005 Depth Range: 42.44-42.59 m

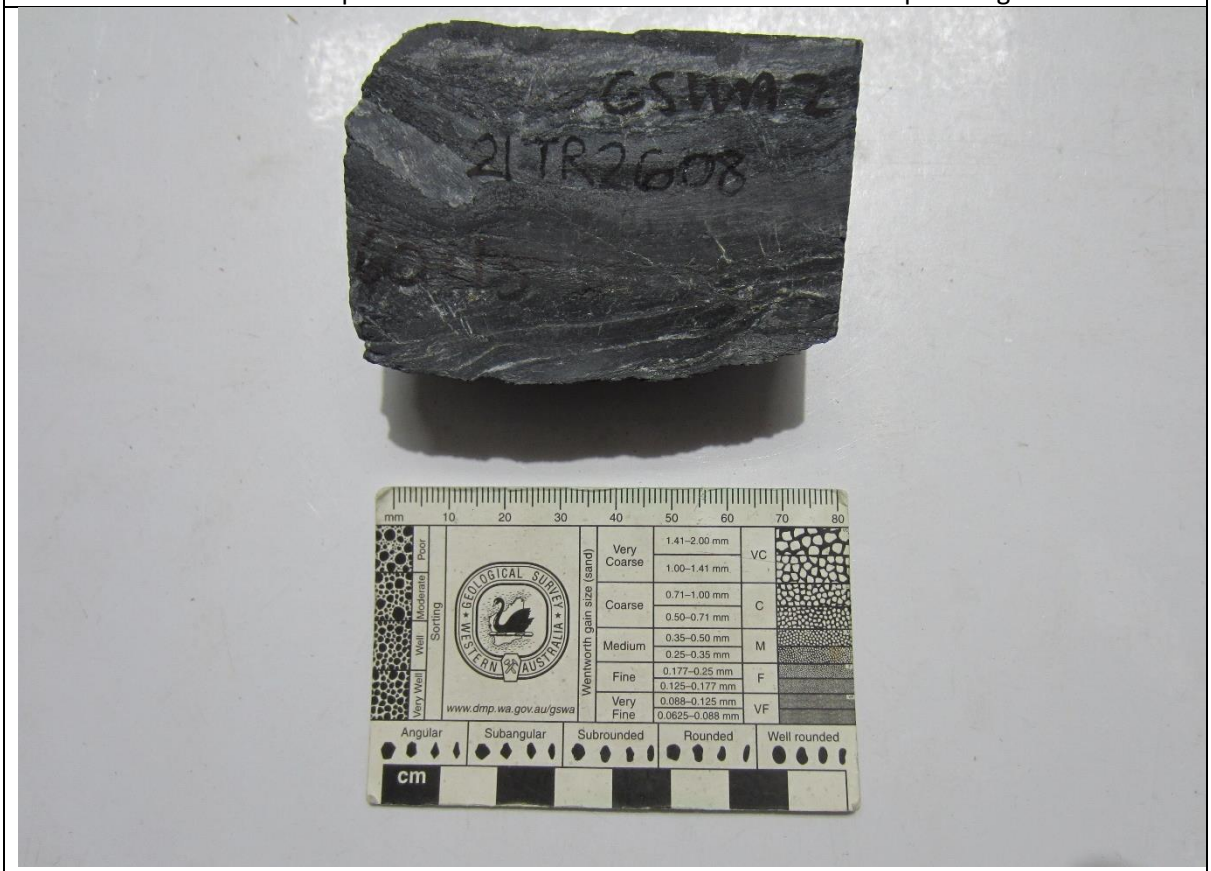
Terra ID: 21TR2604 Sample ID: 253001 Drillhole ID: 20BBDD0005 Depth Range: 45.9-46.05 m

Terra ID: 21TR2605 Sample ID: 253002 Drillhole ID: 20BBDD0005 Depth Range: 51.5-51.65 m

Terra ID: 21TR2606 Sample ID: 253003 Drillhole ID: 20BBDD0005 Depth Range: 56.08-56.23 m



Terra ID: 21TR2607 Sample ID: 253004 Drillhole ID: 20BBDD0005 Depth Range: 58-58.15 m

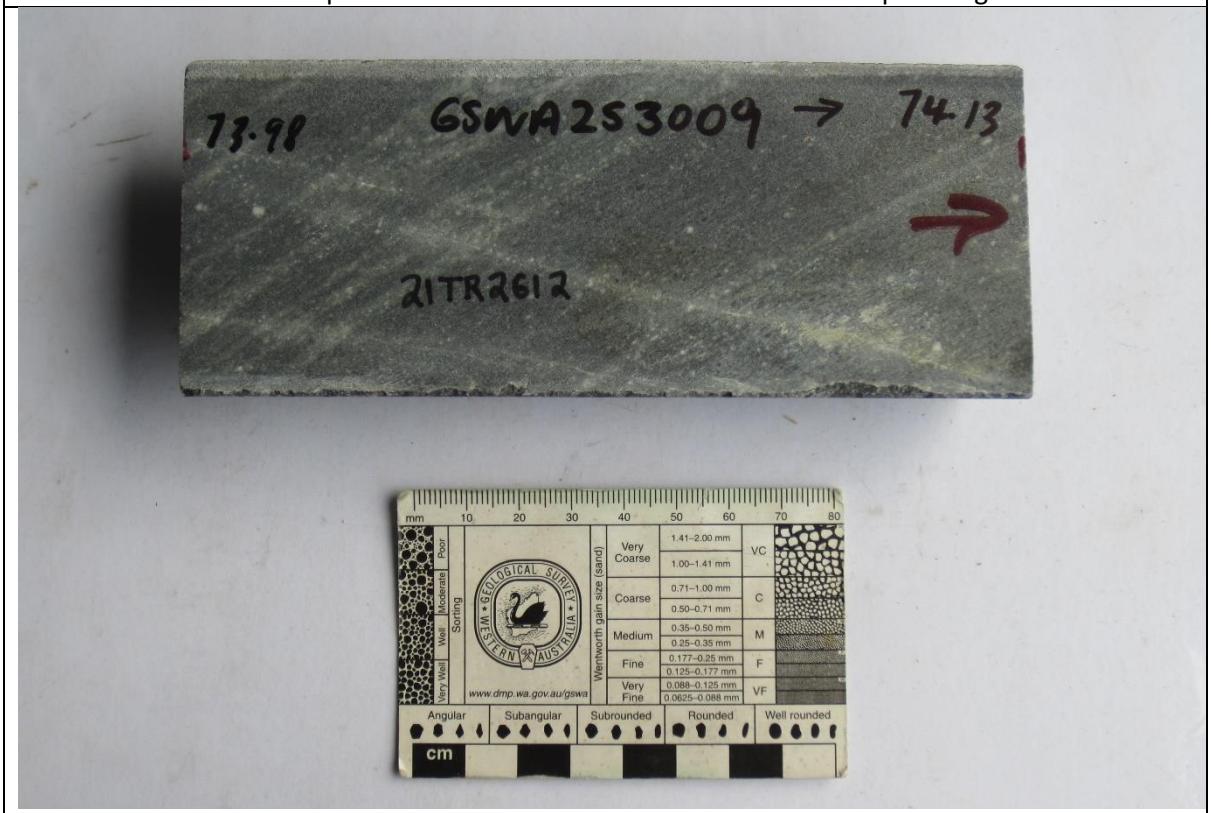


Terra ID: 21TR2608 Sample ID: 253005 Drillhole ID: 20BBDD0005 Depth Range: 60.15-60.3 m

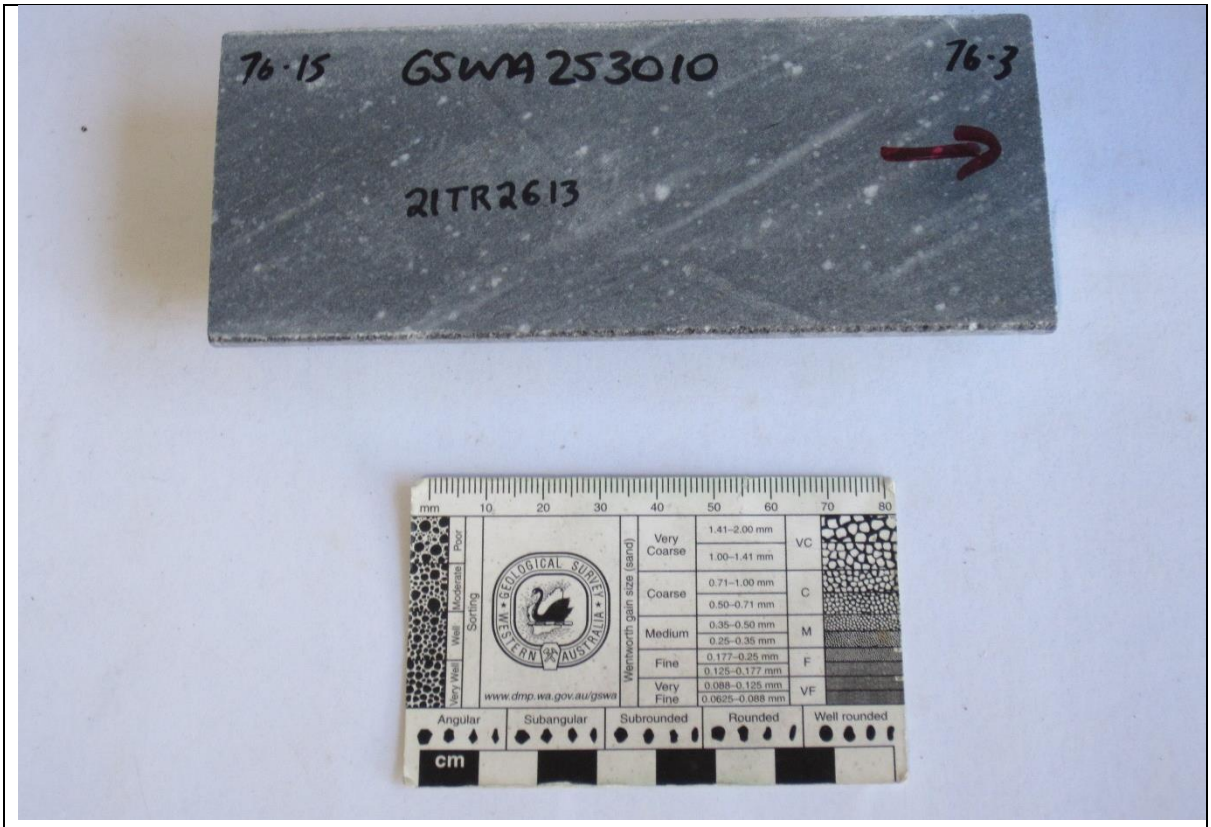
Terra ID: 21TR2609 Sample ID: 253006 Drillhole ID: 20BBDD0005 Depth Range: 63.25-63.4 m

Terra ID: 21TR2610 Sample ID: 253007 Drillhole ID: 20BBDD0005 Depth Range: 65.56-65.71 m

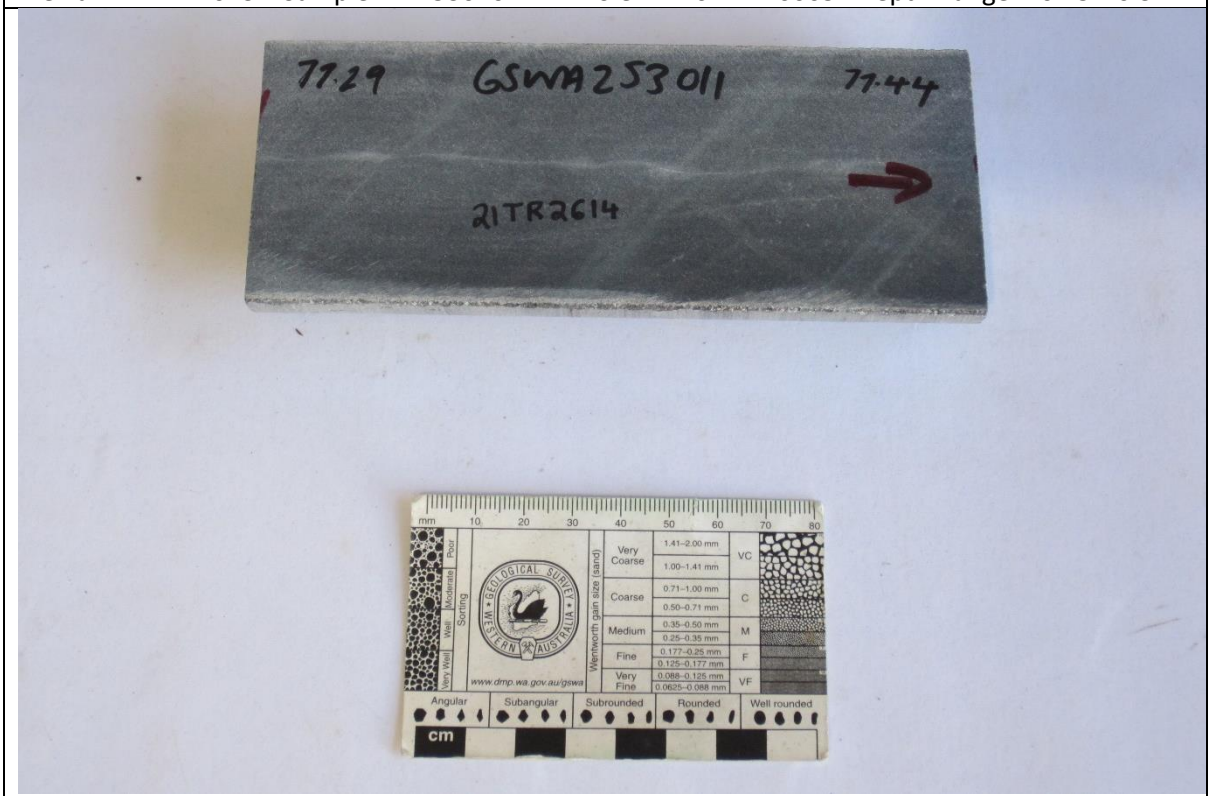
Terra ID: 21TR2611 Sample ID: 253008 Drillhole ID: 20BBDD0005 Depth Range: 68.74-68.89 m



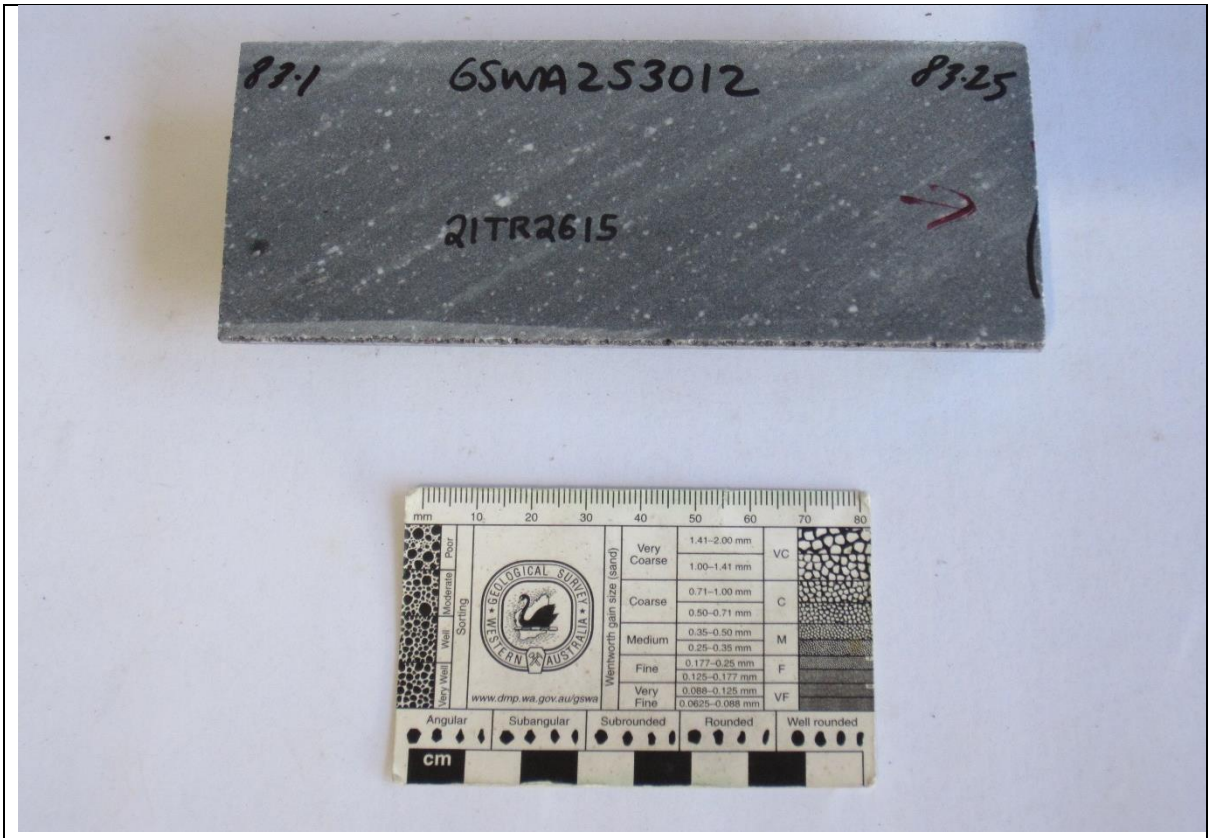
Terra ID: 21TR2612 Sample ID: 253009 Drillhole ID: 20BBDD0005 Depth Range: 73.98-74.13 m



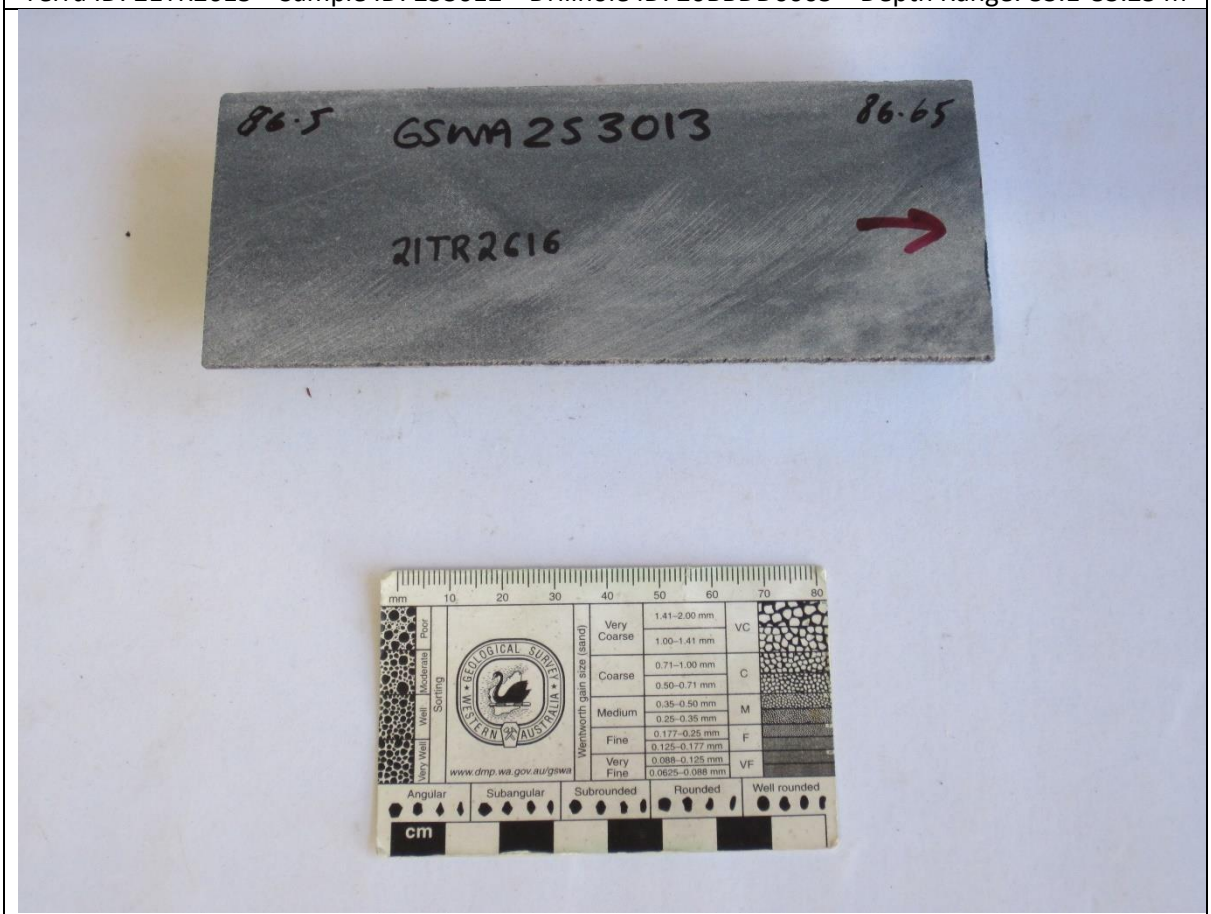
Terra ID: 21TR2613 Sample ID: 253010 Drillhole ID: 20BBDD0005 Depth Range: 76.15-76.3 m



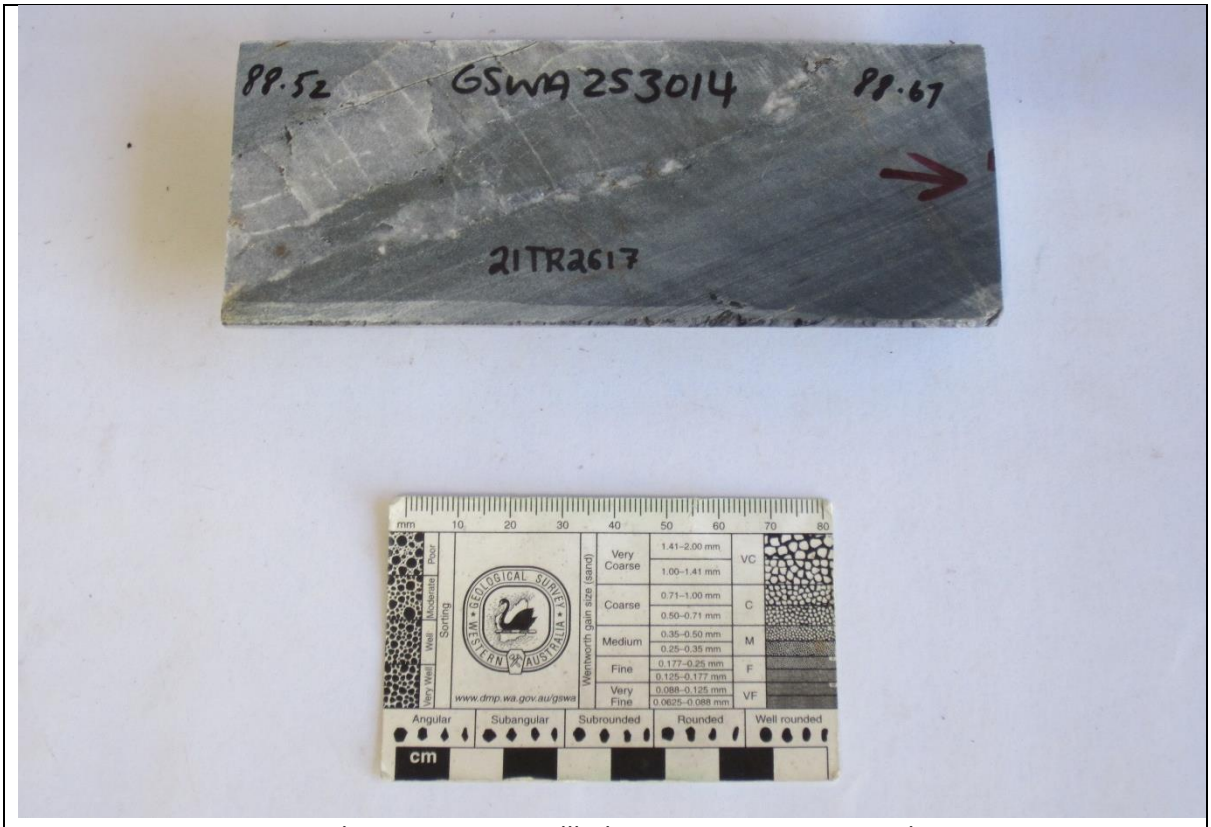
Terra ID: 21TR2614 Sample ID: 253011 Drillhole ID: 20BBDD0005 Depth Range: 77.29-77.44 m



Terra ID: 21TR2615 Sample ID: 253012 Drillhole ID: 20BBDD0005 Depth Range: 83.1-83.25 m



Terra ID: 21TR2616 Sample ID: 253013 Drillhole ID: 20BBDD0005 Depth Range: 86.5-86.65 m



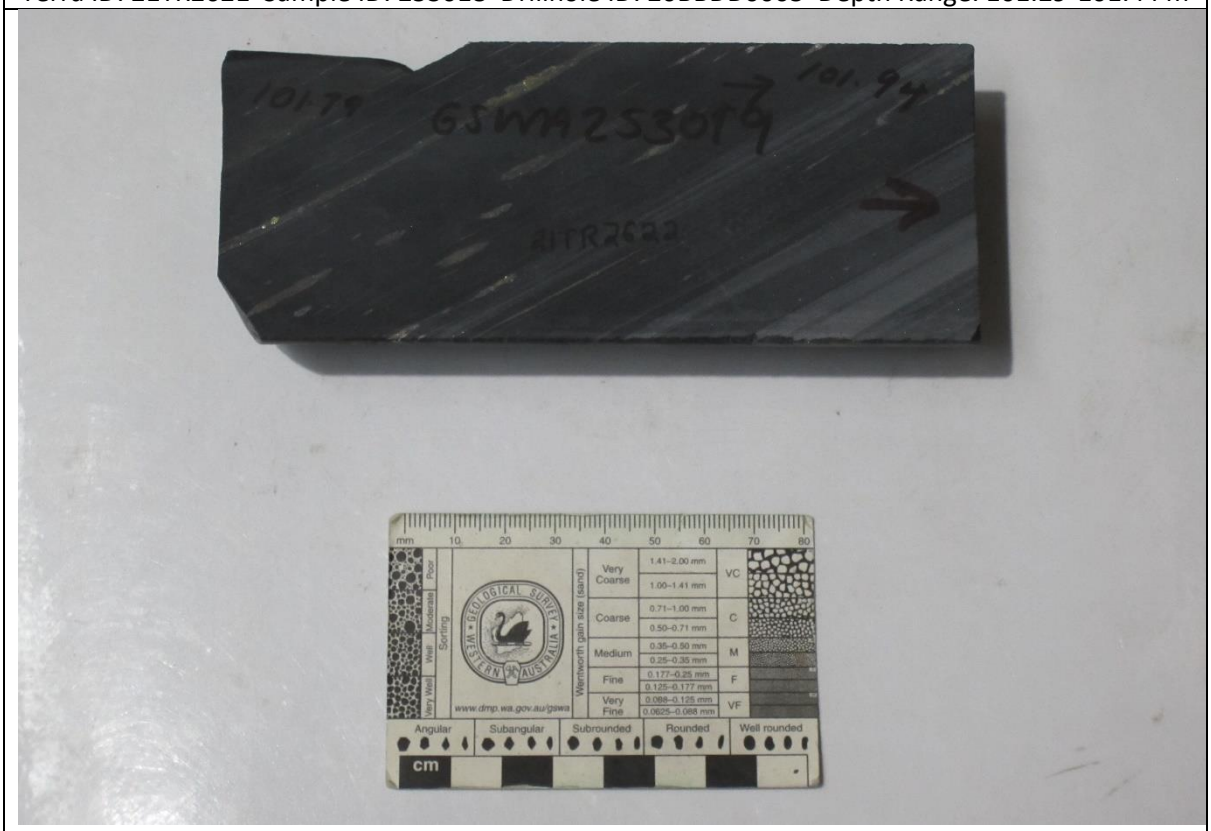
Terra ID: 21TR2617 Sample ID: 253014 Drillhole ID: 20BBDD0005 Depth Range: 88.52-88.67 m

Terra ID: 21TR2618 Sample ID: 253015 Drillhole ID: 20BBDD0005 Depth Range: 90.8-90.95 m

Terra ID: 21TR2619 Sample ID: 253016 Drillhole ID: 20BBDD0005 Depth Range: 92.6-92.75 m

Terra ID: 21TR2620 Sample ID: 253017 Drillhole ID: 20BBDD0005 Depth Range: 98.85-99 m

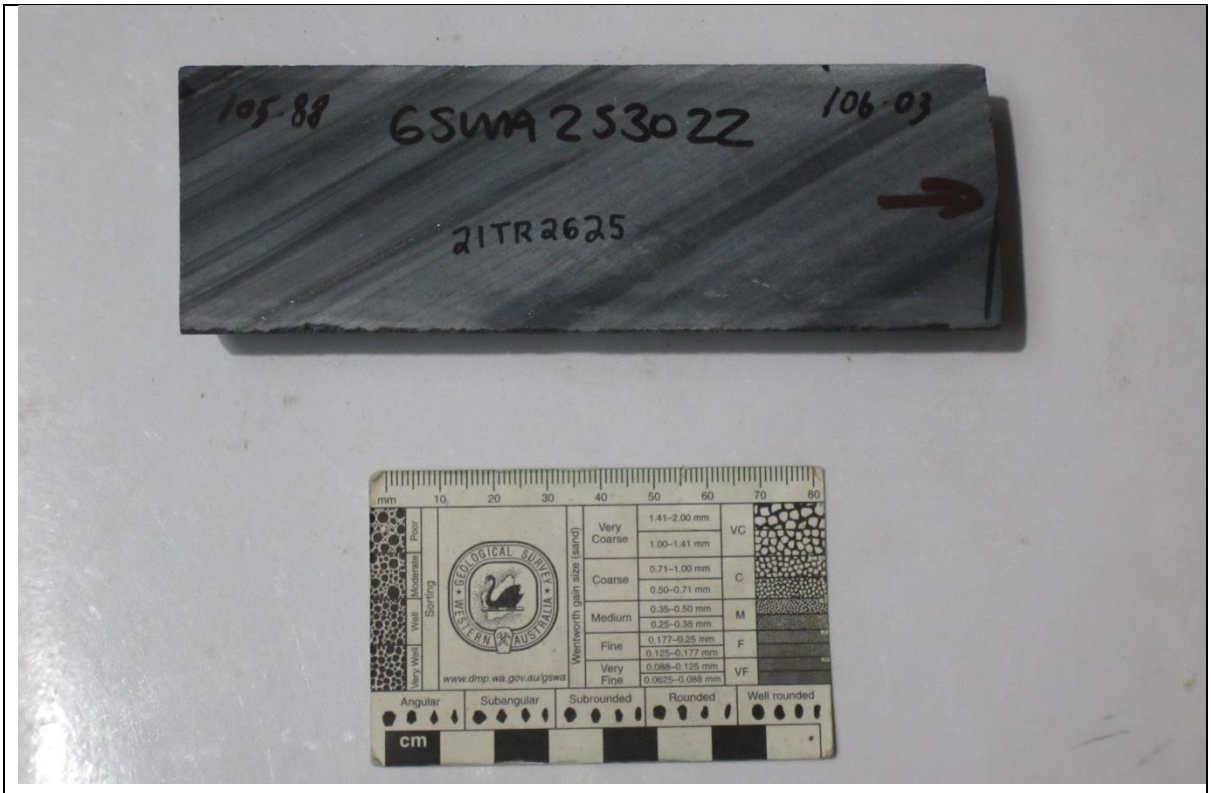
Terra ID: 21TR2621 Sample ID: 253018 Drillhole ID: 20BBDD0005 Depth Range: 101.29-101.44 m



Terra ID: 21TR2622 Sample ID: 253019 Drillhole ID: 20BBDD0005 Depth Range: 101.79-101.94 m

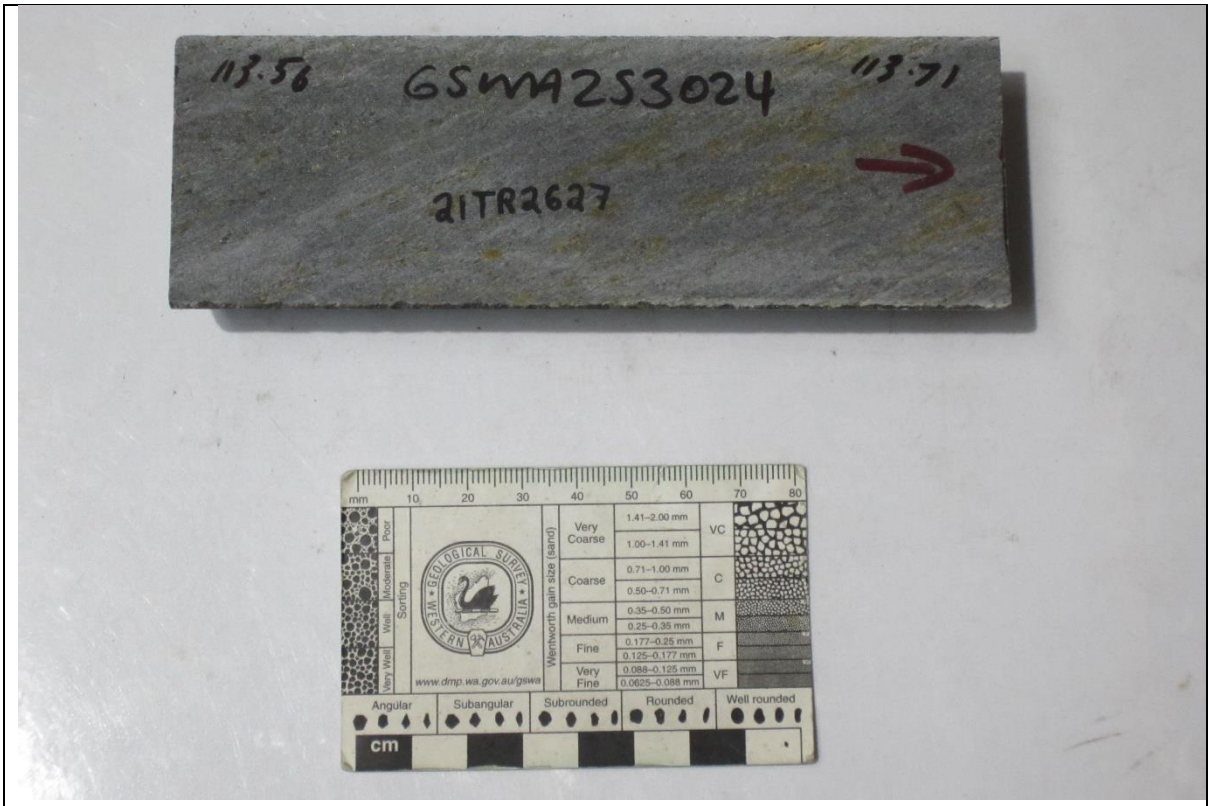
Terra ID: 21TR2623 Sample ID: 253020 Drillhole ID: 20BBDD0005 Depth Range: 103.8-103.95 m

Terra ID: 21TR2624 Sample ID: 253021 Drillhole ID: 20BBDD0005 Depth Range: 104.25-104.4 m

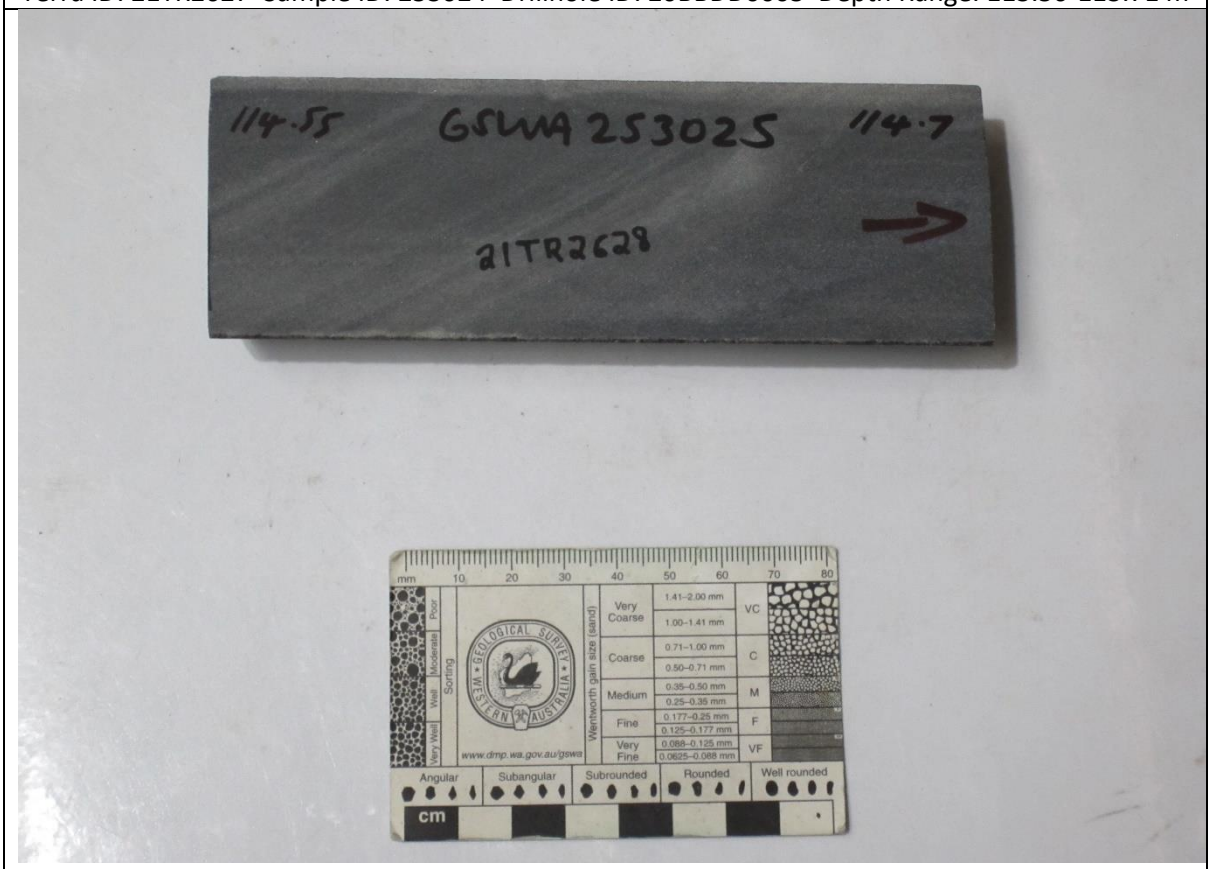


Terra ID: 21TR2625 Sample ID: 253022 Drillhole ID: 20BBDD0005 Depth Range: 105.88-106.03 m

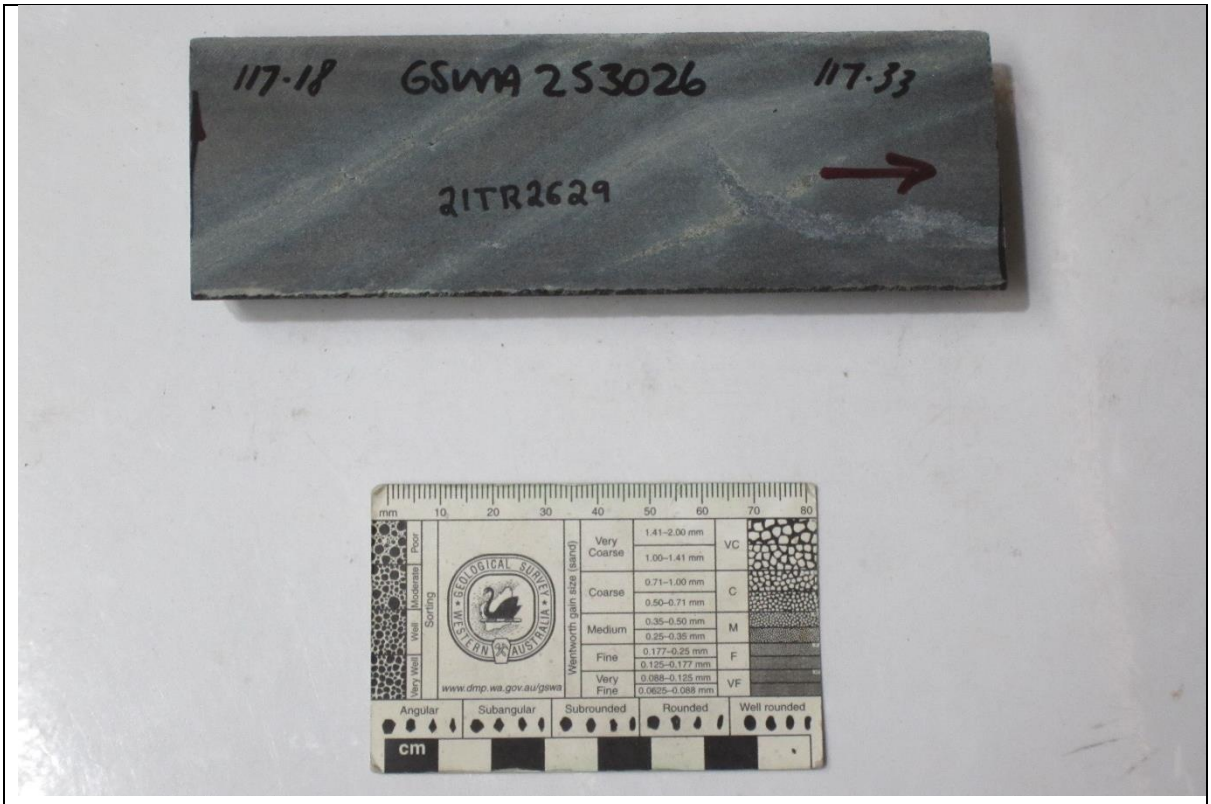
Terra ID: 21TR2626 Sample ID: 253023 Drillhole ID: 20BBDD0005 Depth Range: 107.1-107.25 m



Terra ID: 21TR2627 Sample ID: 253024 Drillhole ID: 20BBDD0005 Depth Range: 113.56-113.71 m



Terra ID: 21TR2628 Sample ID: 253025 Drillhole ID: 20BBDD0005 Depth Range: 114.55-114.7 m



Terra ID: 21TR2629 Sample ID: 253026 Drillhole ID: 20BBDD0005 Depth Range: 117.18-117.33 m

Terra ID: 21TR2630 Sample ID: 253027 Drillhole ID: 20BBDD0005 Depth Range: 120.96-121.11 m

Terra ID: 21TR2631 Sample ID: 253028 Drillhole ID: 20BBDD0005 Depth Range: 122.4-122.55 m

Terra ID: 21TR2632 Sample ID: 253029 Drillhole ID: 20BBDD0005 Depth Range: 128.16-128.31 m

Terra ID: 21TR2633 Sample ID: 253030 Drillhole ID: 20BBDD0005 Depth Range: 130.65-130.8 m

Terra ID: 21TR2634 Sample ID: 253031 Drillhole ID: 20BBDD0005 Depth Range: 133.22-133.37 m

Terra ID: 21TR2635 Sample ID: 253032 Drillhole ID: 20BBDD0005 Depth Range: 133.72-133.87 m

Terra ID: 21TR2636 Sample ID: 253033 Drillhole ID: 20BBDD0005 Depth Range: 134.7-134.85 m

Terra ID: 21TR2637 Sample ID: 253034 Drillhole ID: 20BBDD0005 Depth Range: 134.9-135 m

Terra ID: 21TR2638 Sample ID: 253035 Drillhole ID: 20BBDD0005 Depth Range: 141.82-141.97 m

Terra ID: 21TR2639 Sample ID: 253036 Drillhole ID: 20BBDD0005 Depth Range: 143.81-143.94 m

Terra ID: 21TR2640 Sample ID: 253037 Drillhole ID: 20BBDD0005 Depth Range: 149-149.15 m

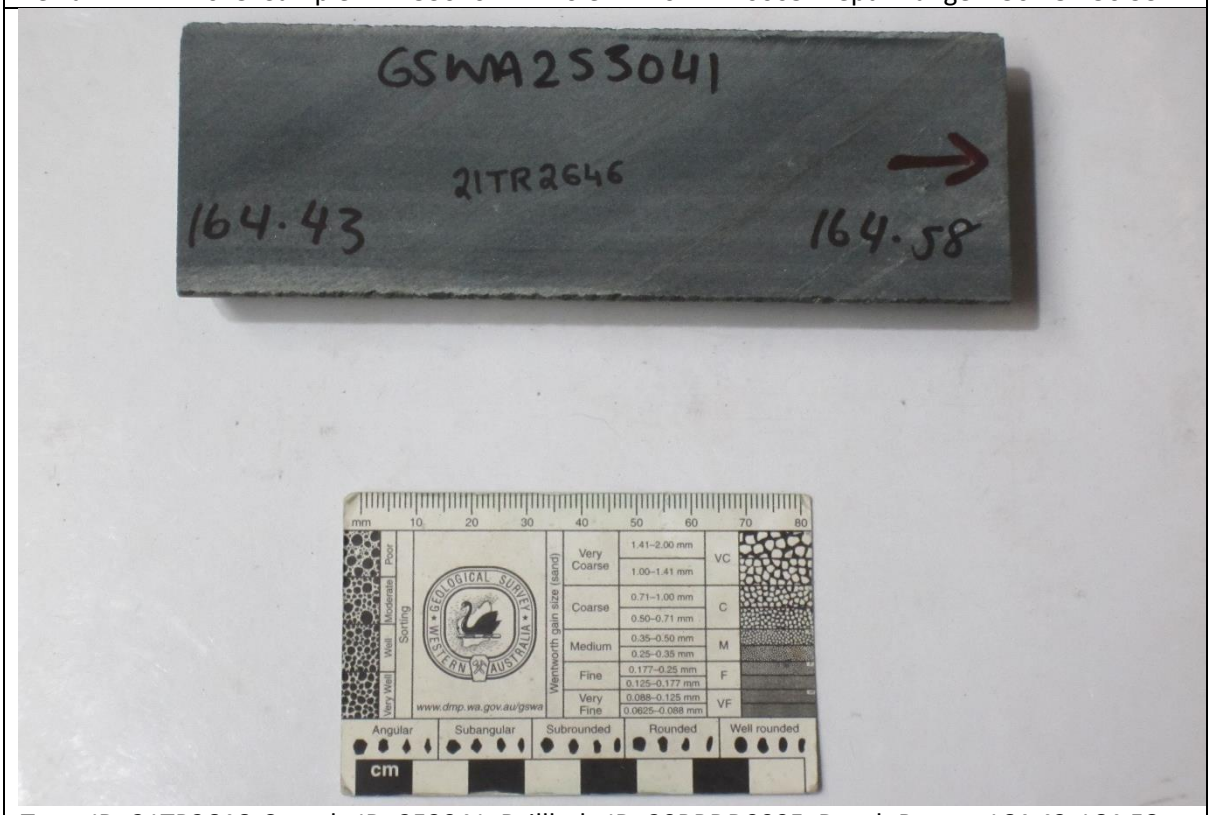
Terra ID: 21TR2641 Sample ID: 253083 Drillhole ID: 20BBDD0005 Depth Range: 154.25-154.4 m

Terra ID: 21TR2642 Sample ID: 253038 Drillhole ID: 20BBDD0005 Depth Range: 149.85-150 m

Terra ID: 21TR2643 Sample ID: 253084 Drillhole ID: 20BBDD0005 Depth Range: 155.05-155.2 m

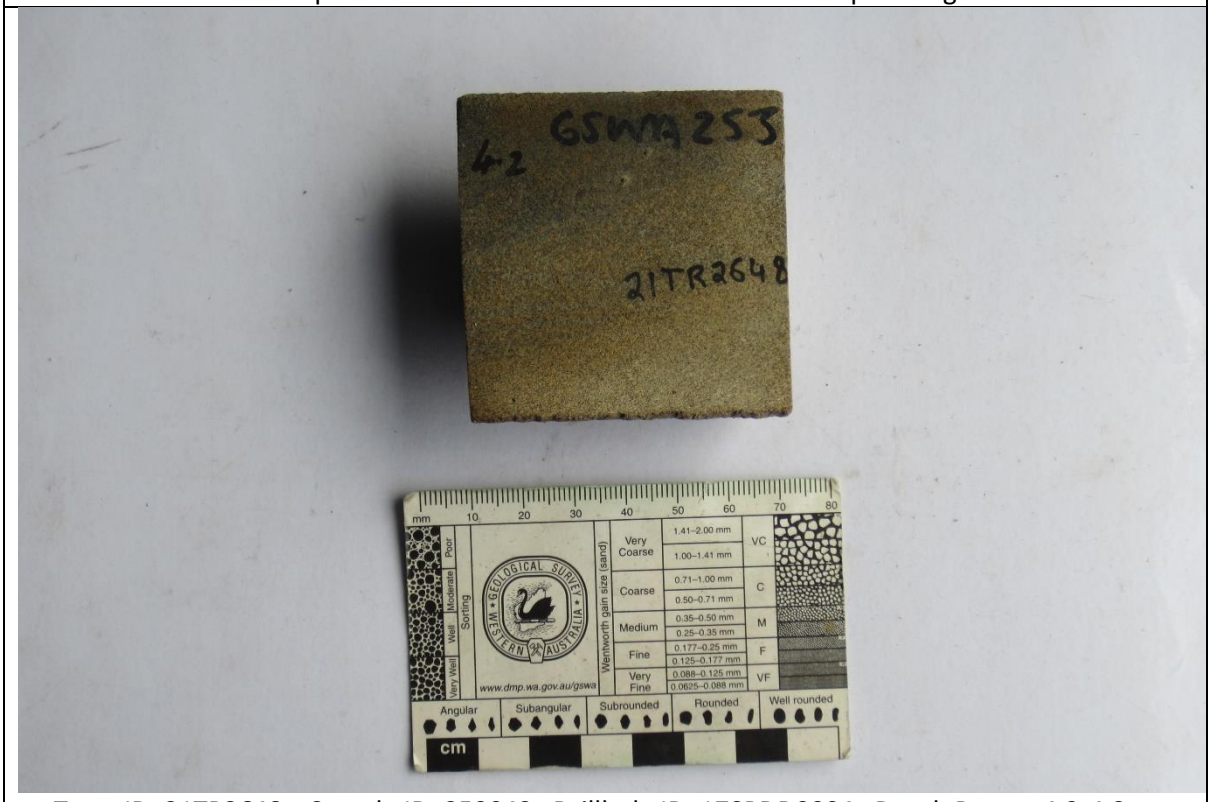
Terra ID: 21TR2644 Sample ID: 253039 Drillhole ID: 20BBDD0005 Depth Range: 155.67-155.82 m

Terra ID: 21TR2645 Sample ID: 253040 Drillhole ID: 20BBDD0005 Depth Range: 156.78-156.93 m

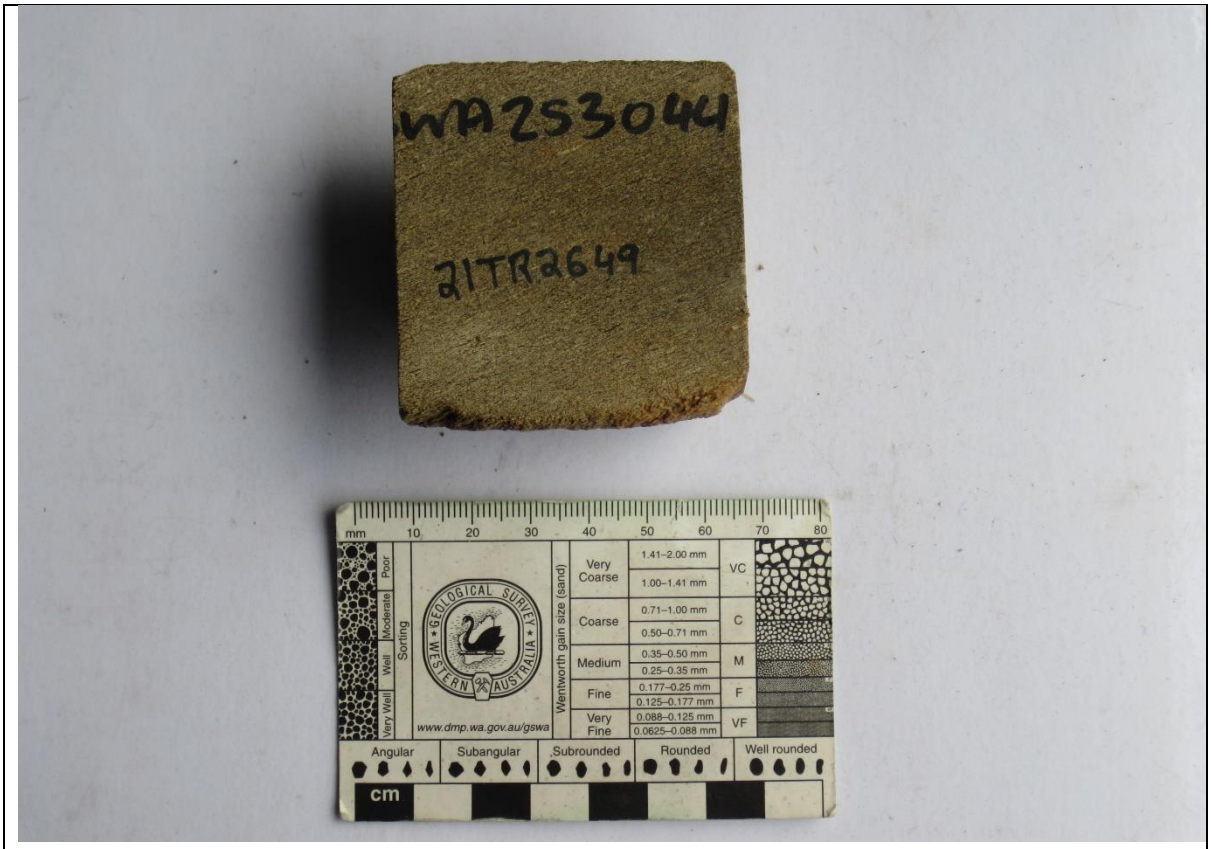


Terra ID: 21TR2646 Sample ID: 253041 Drillhole ID: 20BBDD0005 Depth Range: 164.43-164.58 m

Terra ID: 21TR2647 Sample ID: 253042 Drillhole ID: 20BBDD0005 Depth Range: 165.42-165.57 m



Terra ID: 21TR2648 Sample ID: 253043 Drillhole ID: 17SRDD0004 Depth Range: 4.2-4.3 m



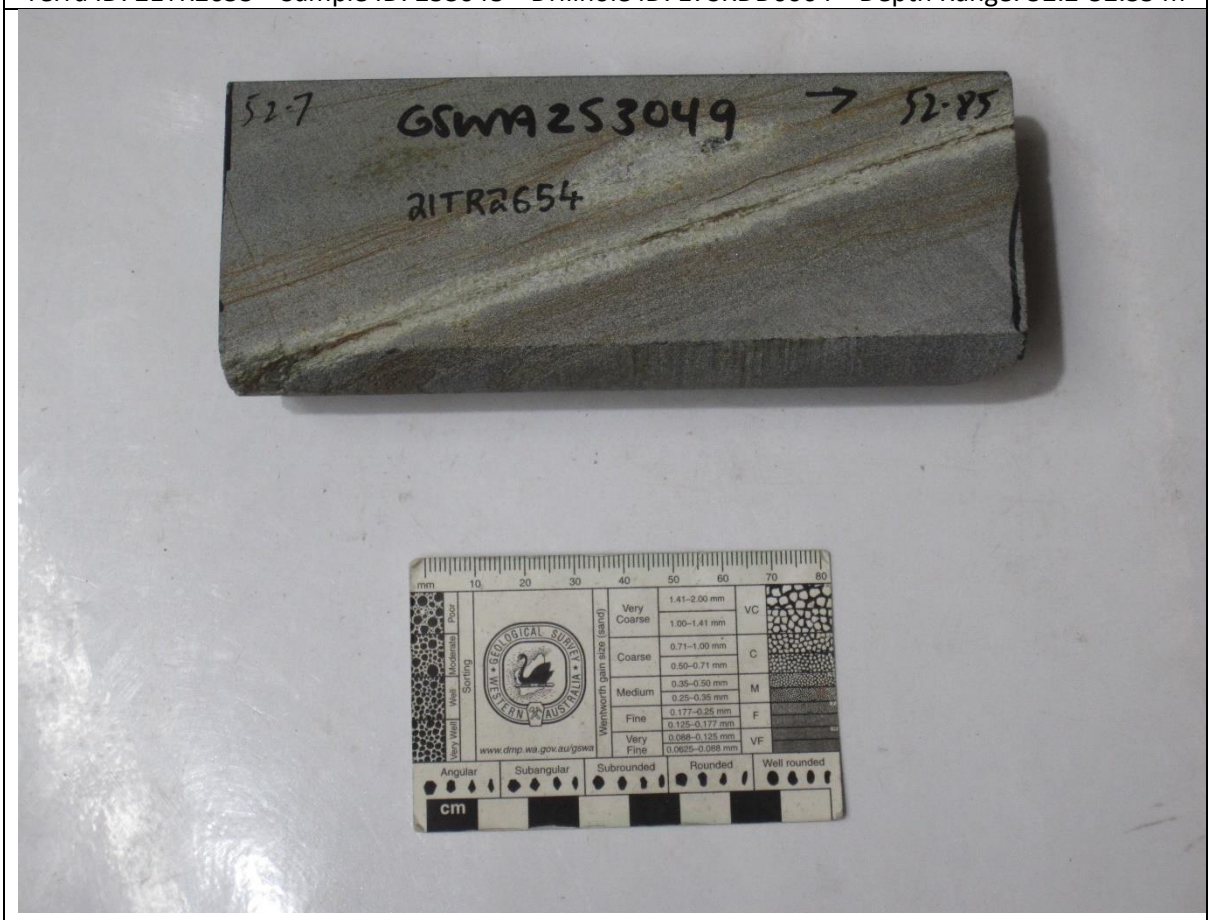
Terra ID: 21TR2649 Sample ID: 253044 Drillhole ID: 17SRDD0004 Depth Range: 31.03-31.18 m

Terra ID: 21TR2650 Sample ID: 253045 Drillhole ID: 17SRDD0004 Depth Range: 39.82-39.96 m

Terra ID: 21TR2651 Sample ID: 253046 Drillhole ID: 17SRDD0004 Depth Range: 45.05-45.2 m

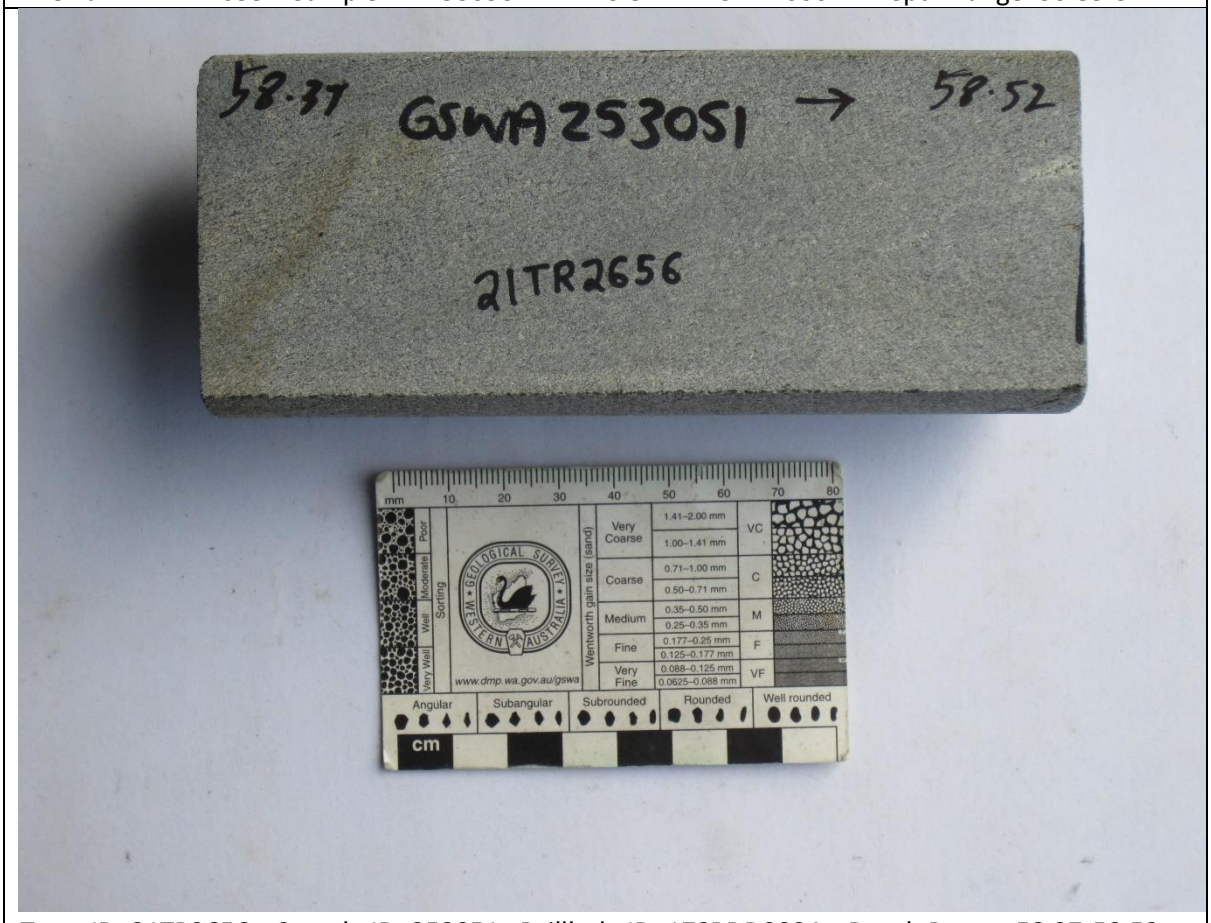
Terra ID: 21TR2652 Sample ID: 253047 Drillhole ID: 17SRDD0004 Depth Range: 51.76-51.91 m

Terra ID: 21TR2653 Sample ID: 253048 Drillhole ID: 17SRDD0004 Depth Range: 52.2-52.35 m



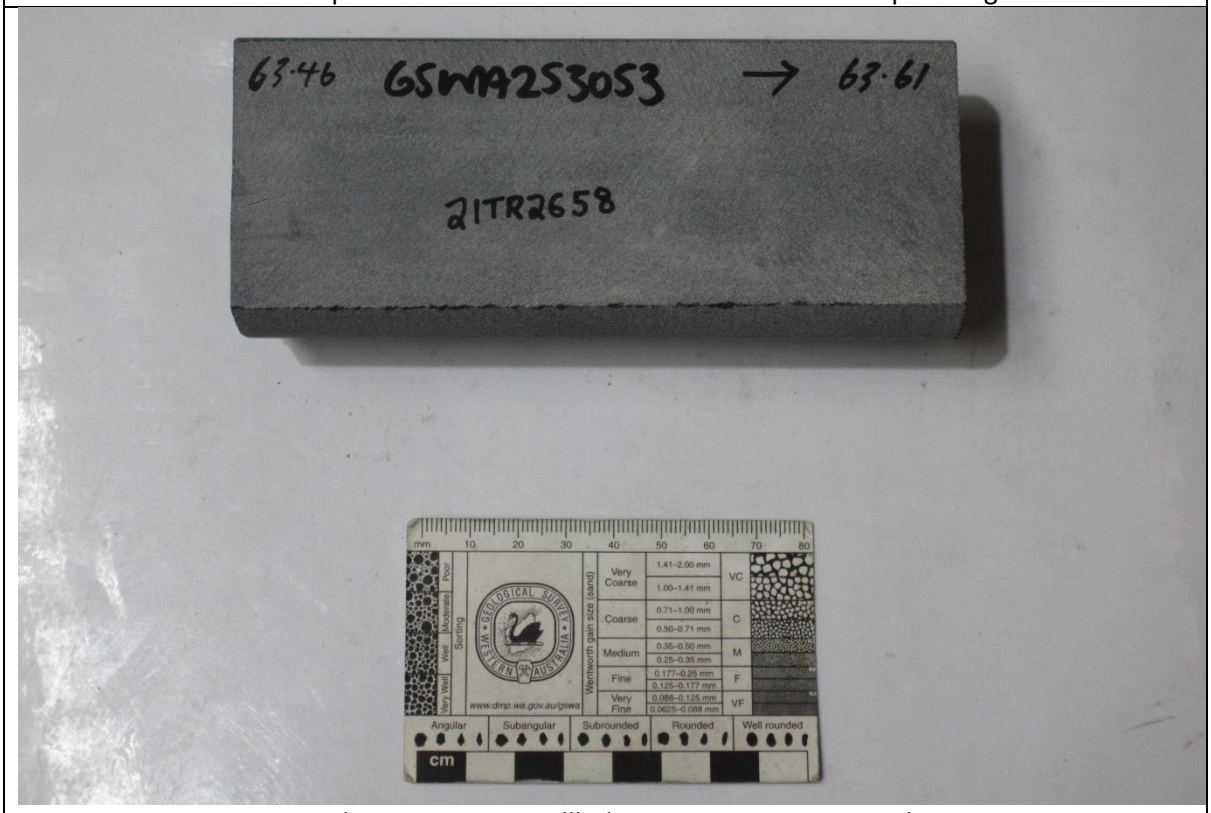
Terra ID: 21TR2654 Sample ID: 253049 Drillhole ID: 17SRDD0004 Depth Range: 52.7-52.85 m

Terra ID: 21TR2655 Sample ID: 253050 Drillhole ID: 17SRDD0004 Depth Range: 53.85-54 m



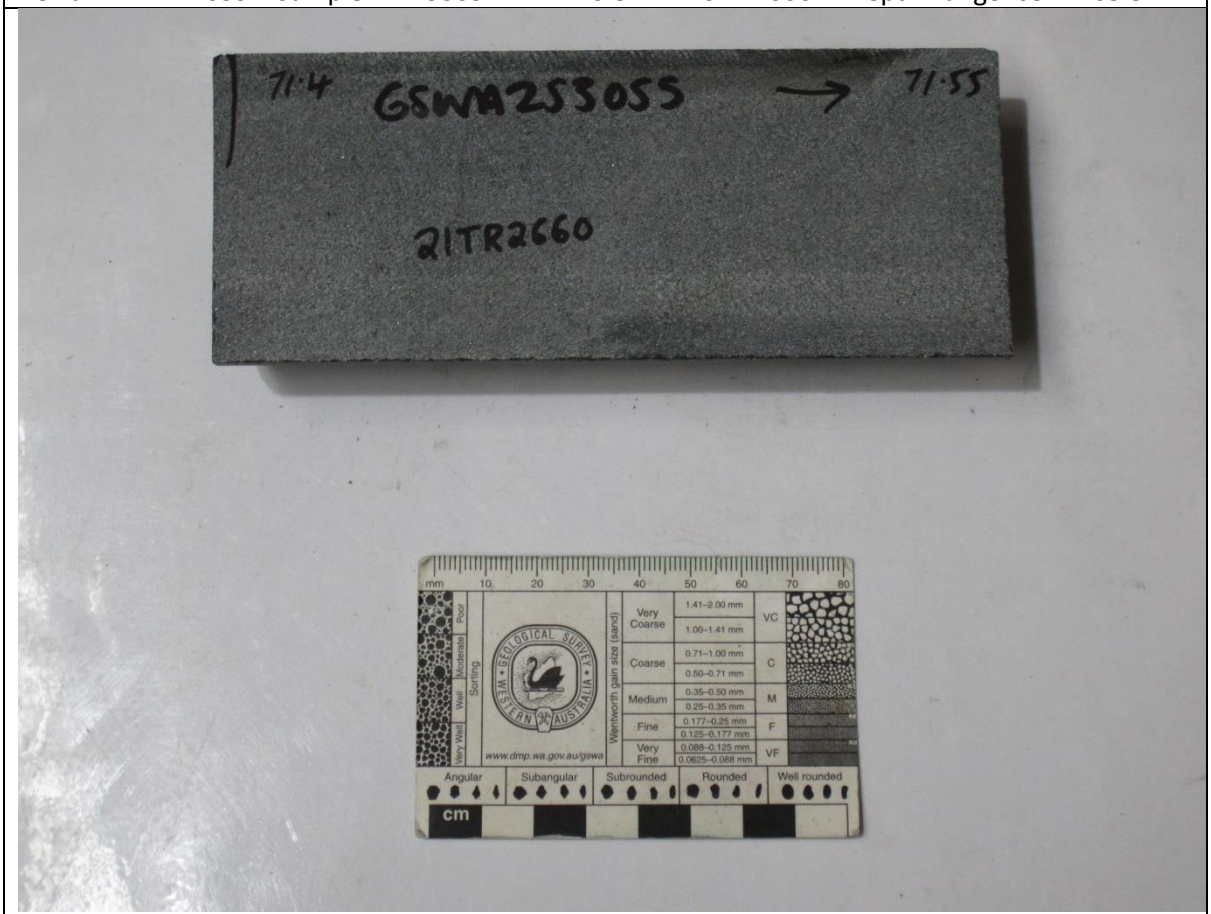
Terra ID: 21TR2656 Sample ID: 253051 Drillhole ID: 17SRDD0004 Depth Range: 58.37-58.52 m

Terra ID: 21TR2657 Sample ID: 253052 Drillhole ID: 17SRDD0004 Depth Range: 60.5-60.65 m



Terra ID: 21TR2658 Sample ID: 253053 Drillhole ID: 17SRDD0004 Depth Range: 63.46-63.61 m

Terra ID: 21TR2659 Sample ID: 253054 Drillhole ID: 17SRDD0004 Depth Range: 65.42-65.57 m



Terra ID: 21TR2660 Sample ID: 253055 Drillhole ID: 17SRDD0004 Depth Range: 71.4-71.55 m

Terra ID: 21TR2661 Sample ID: 253056 Drillhole ID: 17SRDD0004 Depth Range: 75.4-75.55 m

Terra ID: 21TR2662 Sample ID: 253057 Drillhole ID: 17SRDD0004 Depth Range: 77.3-77.45 m

Terra ID: 21TR2663 Sample ID: 253058 Drillhole ID: 17SRDD0004 Depth Range: 84.6-84.75 m

Terra ID: 21TR2664 Sample ID: 253059 Drillhole ID: 17SRDD0004 Depth Range: 86.45-86.6 m

Terra ID: 21TR2665 Sample ID: 253060 Drillhole ID: 17SRDD0004 Depth Range: 88.7-88.85 m

Terra ID: 21TR2666 Sample ID: 253061 Drillhole ID: 17SRDD0004 Depth Range: 91.9-92.05 m

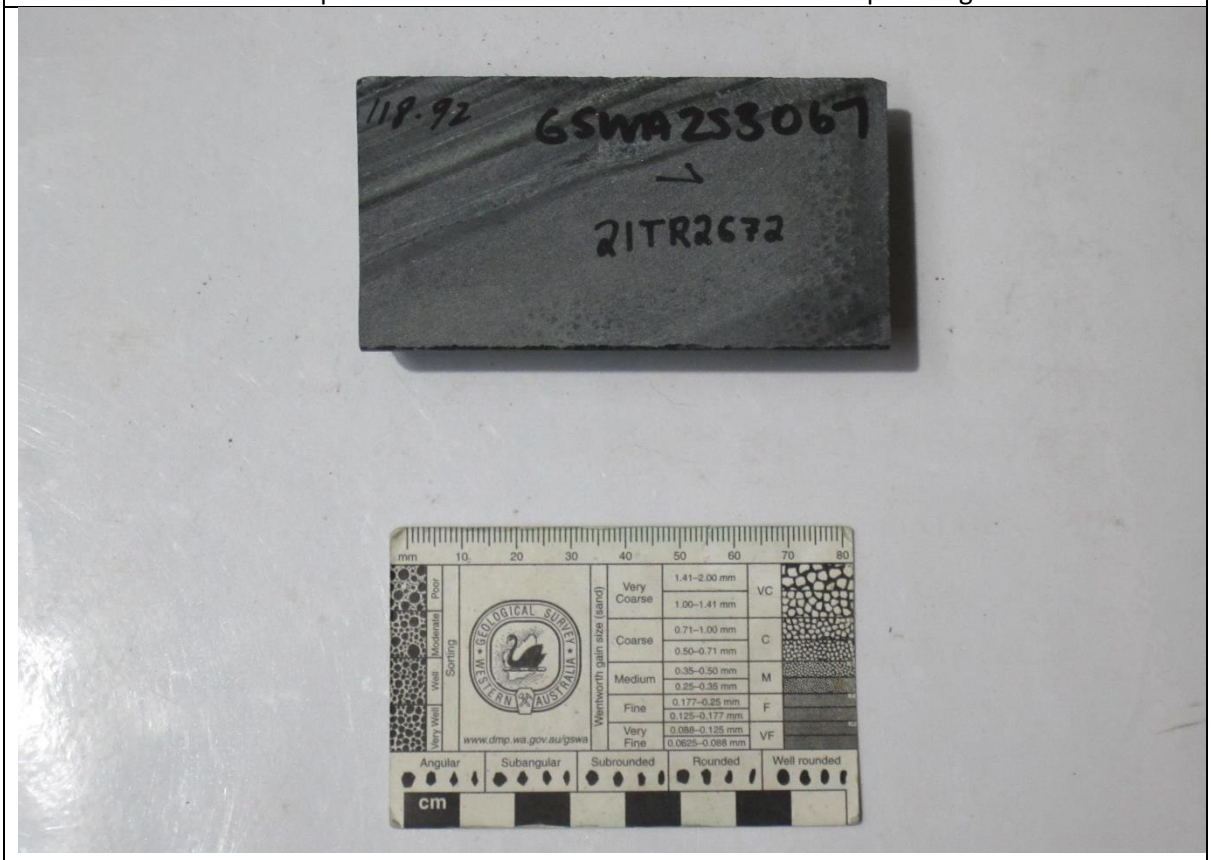
Terra ID: 21TR2667 Sample ID: 253062 Drillhole ID: 17SRDD0004 Depth Range: 97.24-97.39 m

Terra ID: 21TR2668 Sample ID: 253063 Drillhole ID: 17SRDD0004 Depth Range: 97.55-97.7 m

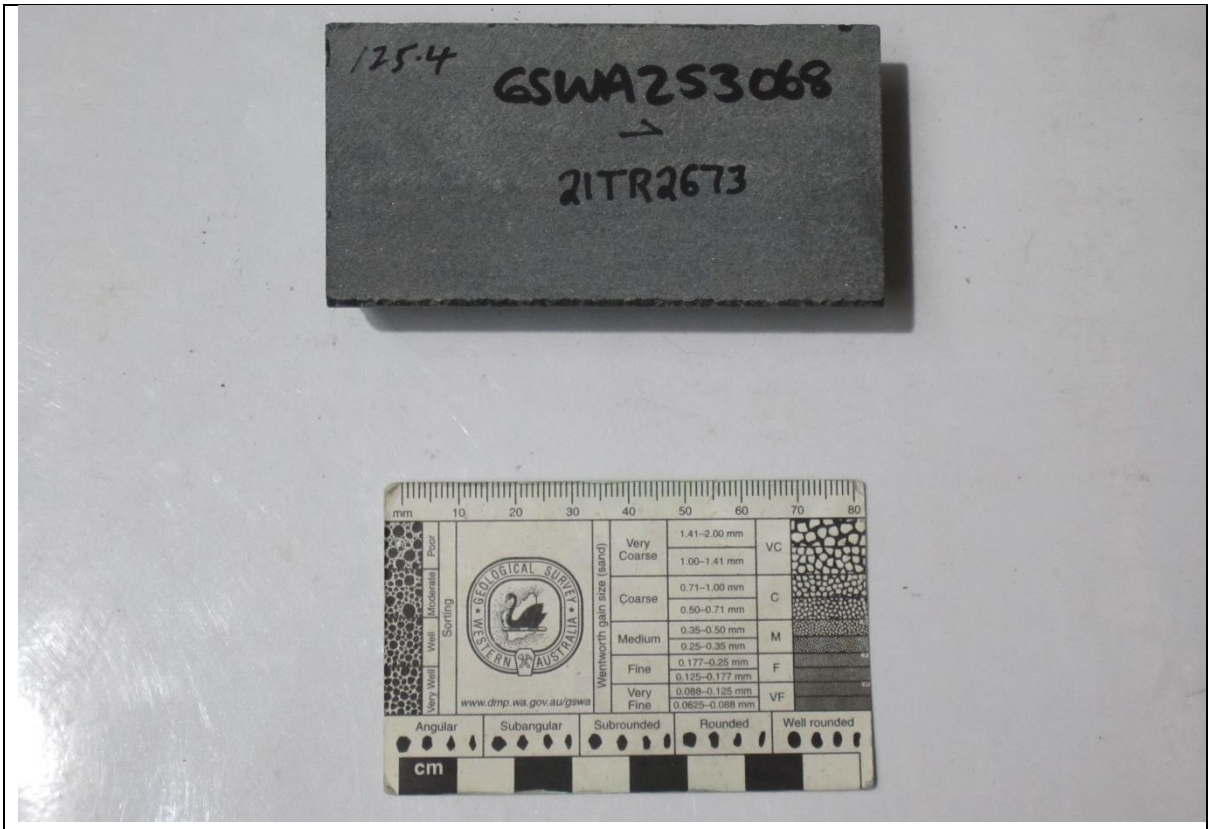
Terra ID: 21TR2669 Sample ID: 253064 Drillhole ID: 17SRDD0004 Depth Range: 104.3-104.45 m

Terra ID: 21TR2670 Sample ID: 253065 Drillhole ID: 17SRDD0004 Depth Range: 108.69-108.84 m

Terra ID: 21TR2671 Sample ID: 253066 Drillhole ID: 17SRDD0004 Depth Range: 113.25-113.4 m



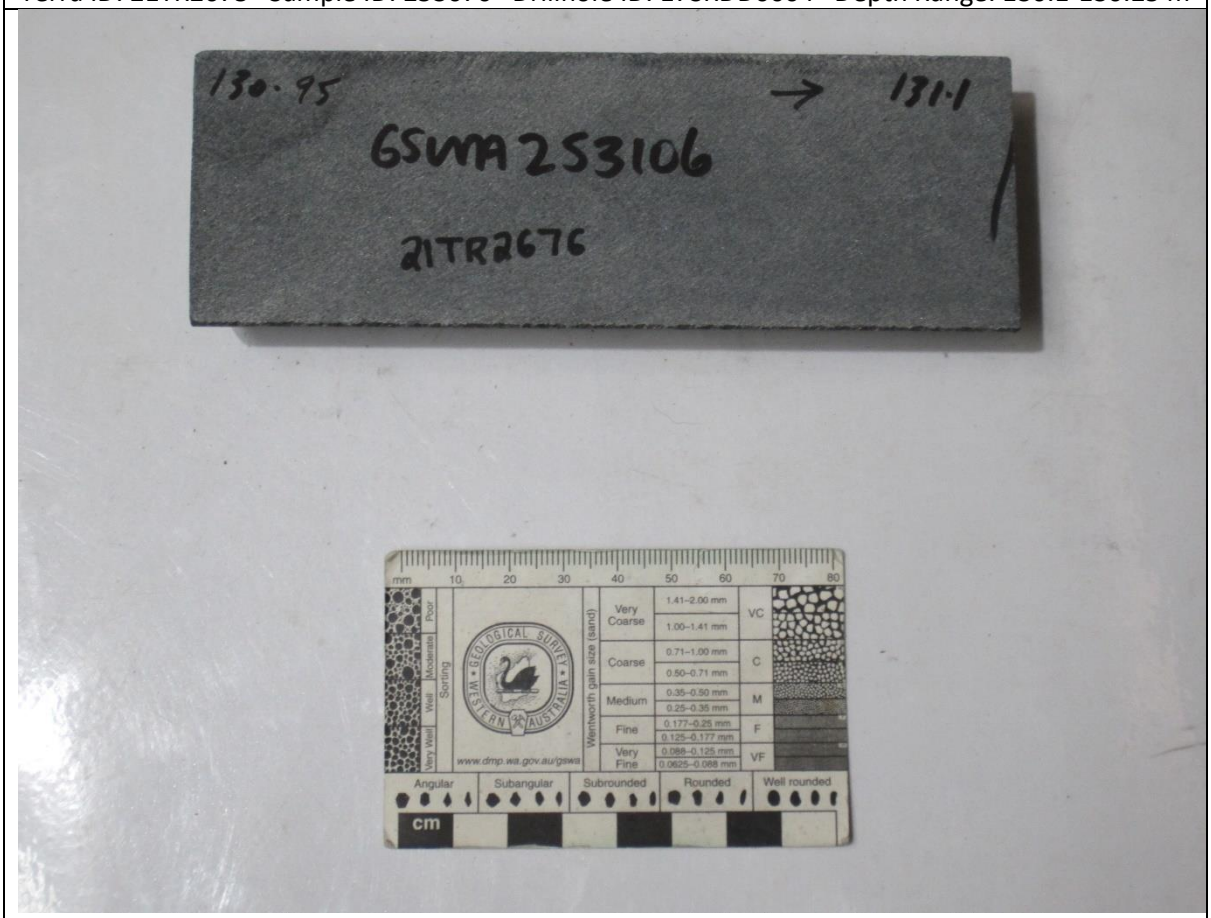
Terra ID: 21TR2672 Sample ID: 253067 Drillhole ID: 17SRDD0004 Depth Range: 118.92-119.13 m



Terra ID: 21TR2673 Sample ID: 253068 Drillhole ID: 17SRDD0004 Depth Range: 125.4-125.55 m

Terra ID: 21TR2674 Sample ID: 253069 Drillhole ID: 17SRDD0004 Depth Range: 126.29-126.44 m

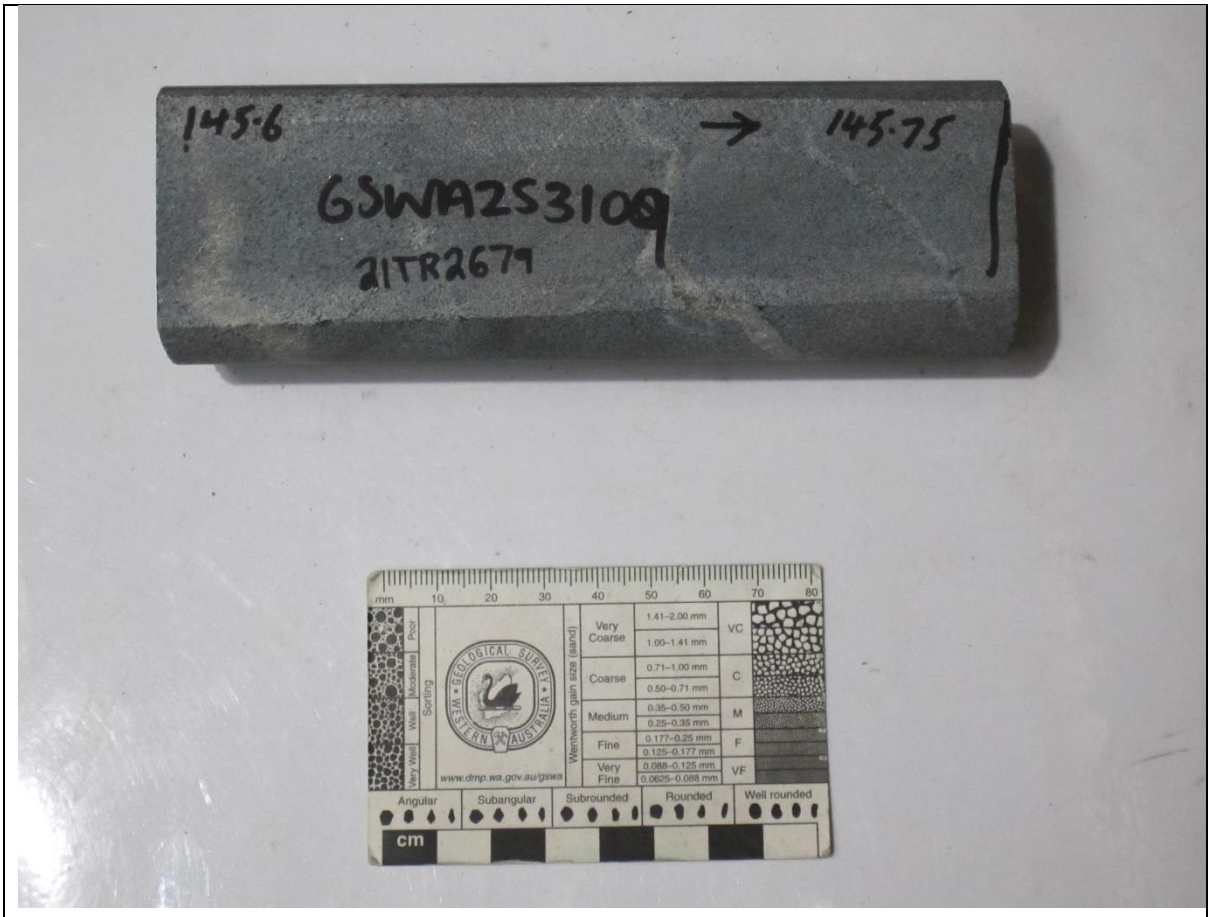
Terra ID: 21TR2675 Sample ID: 253070 Drillhole ID: 17SRDD0004 Depth Range: 130.1-130.25 m



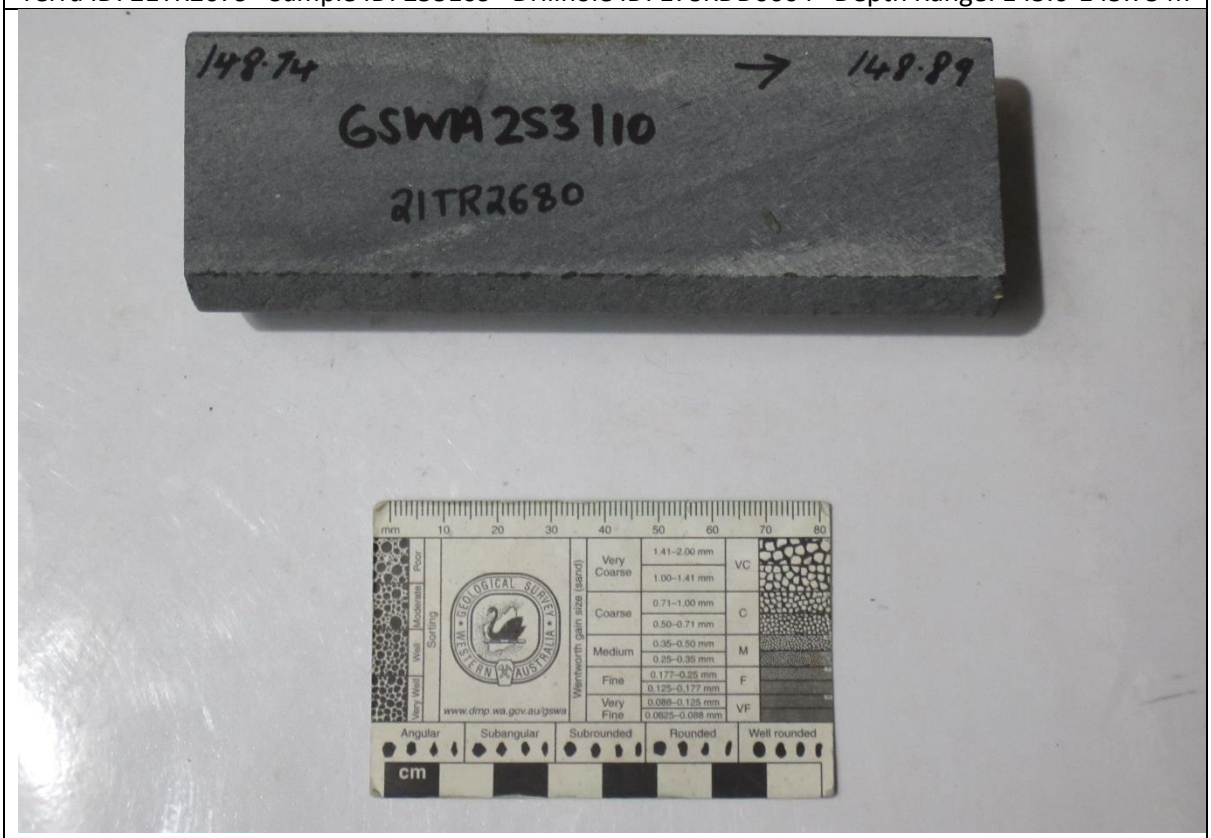
Terra ID: 21TR2676 Sample ID: 253106 Drillhole ID: 17SRDD0004 Depth Range: 130.95-131.1 m

Terra ID: 21TR2677 Sample ID: 253107 Drillhole ID: 17SRDD0004 Depth Range: 135.8-135.95 m

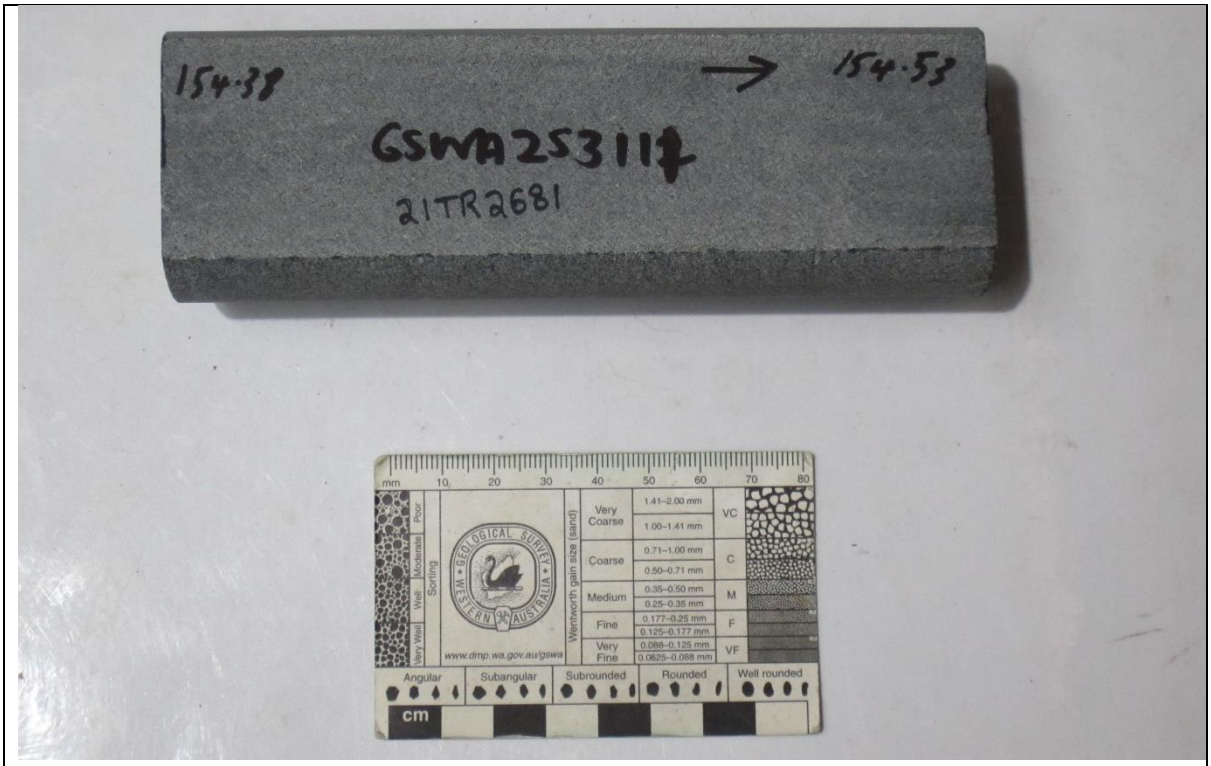
Terra ID: 21TR2678 Sample ID: 253108 Drillhole ID: 17SRDD0004 Depth Range: 141.65-141.8 m



Terra ID: 21TR2679 Sample ID: 253109 Drillhole ID: 17SRDD0004 Depth Range: 145.6-145.75 m

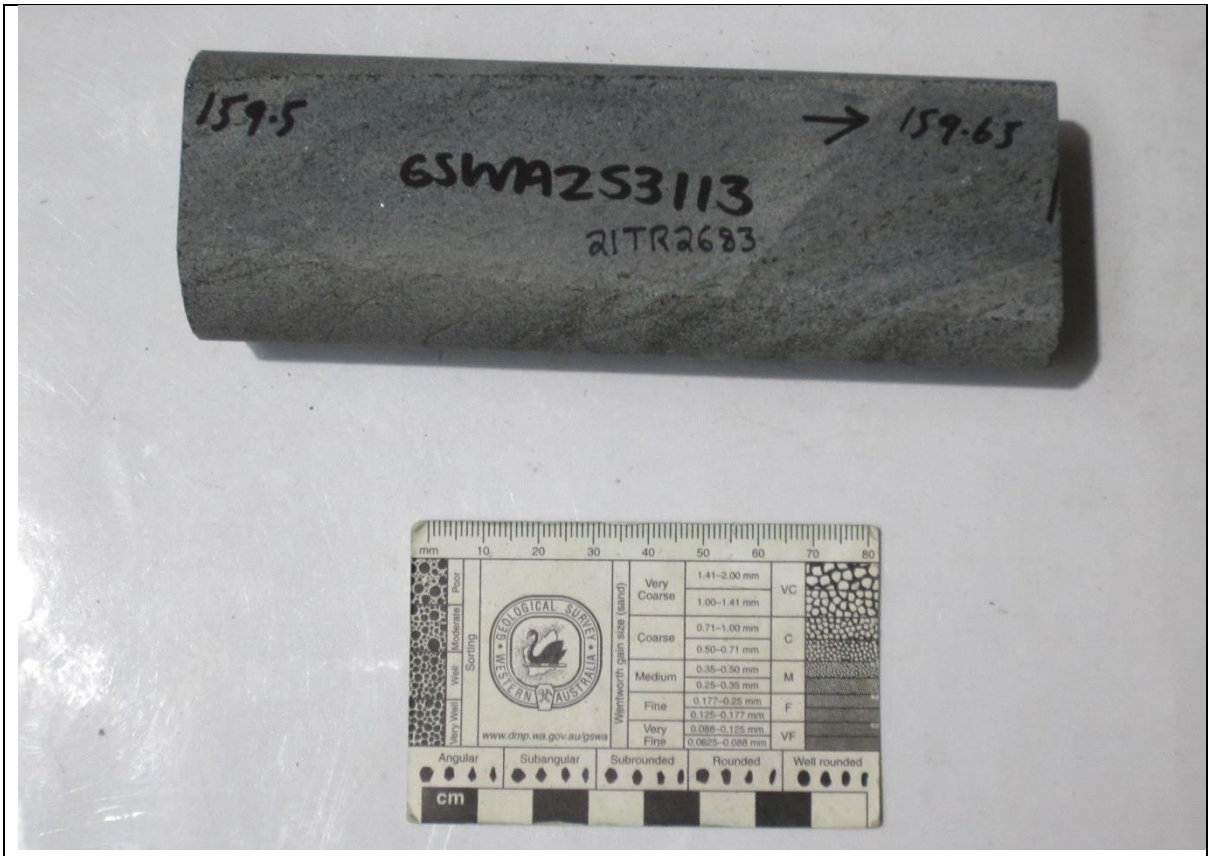


Terra ID: 21TR2680 Sample ID: 253110 Drillhole ID: 17SRDD0004 Depth Range: 148.74-148.89 m



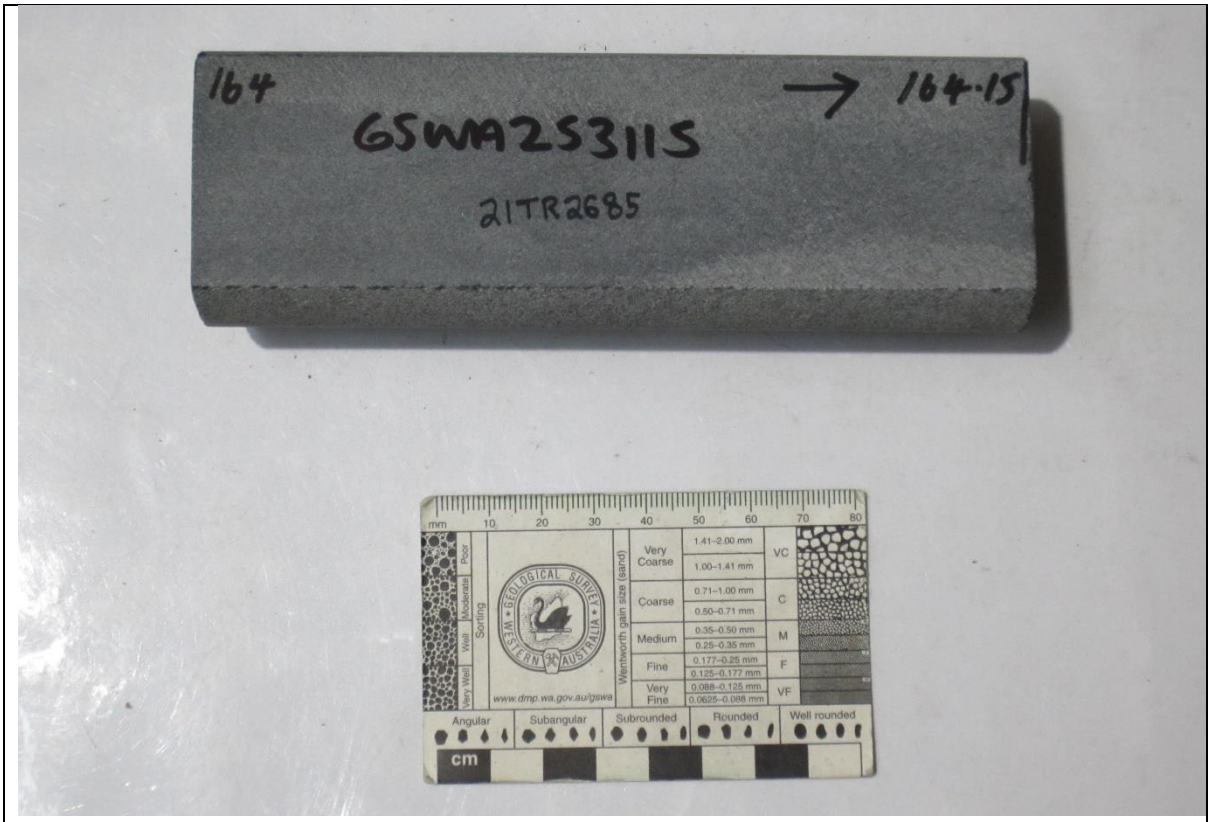
Terra ID: 21TR2681 Sample ID: 253111 Drillhole ID: 17SRDD0004 Depth Range: 154.38-154.53 m

Terra ID: 21TR2682 Sample ID: 253112 Drillhole ID: 17SRDD0004 Depth Range: 156.85-157 m



Terra ID: 21TR2683 Sample ID: 253113 Drillhole ID: 17SRDD0004 Depth Range: 159.5-159.65 m

Terra ID: 21TR2684 Sample ID: 253114 Drillhole ID: 17SRDD0004 Depth Range: 163.11-163.26 m



Terra ID: 21TR2685 Sample ID: 253115 Drillhole ID: 17SRDD0004 Depth Range: 164-164.15 m

Terra ID: 21TR2686 Sample ID: 253116 Drillhole ID: 17SRDD0004 Depth Range: 170.1-170.25 m

Terra ID: 21TR2687 Sample ID: 253117 Drillhole ID: 17SRDD0004 Depth Range: 176-176.15 m

Terra ID: 21TR2688 Sample ID: 253118 Drillhole ID: 17SRDD0004 Depth Range: 179.6-179.75 m

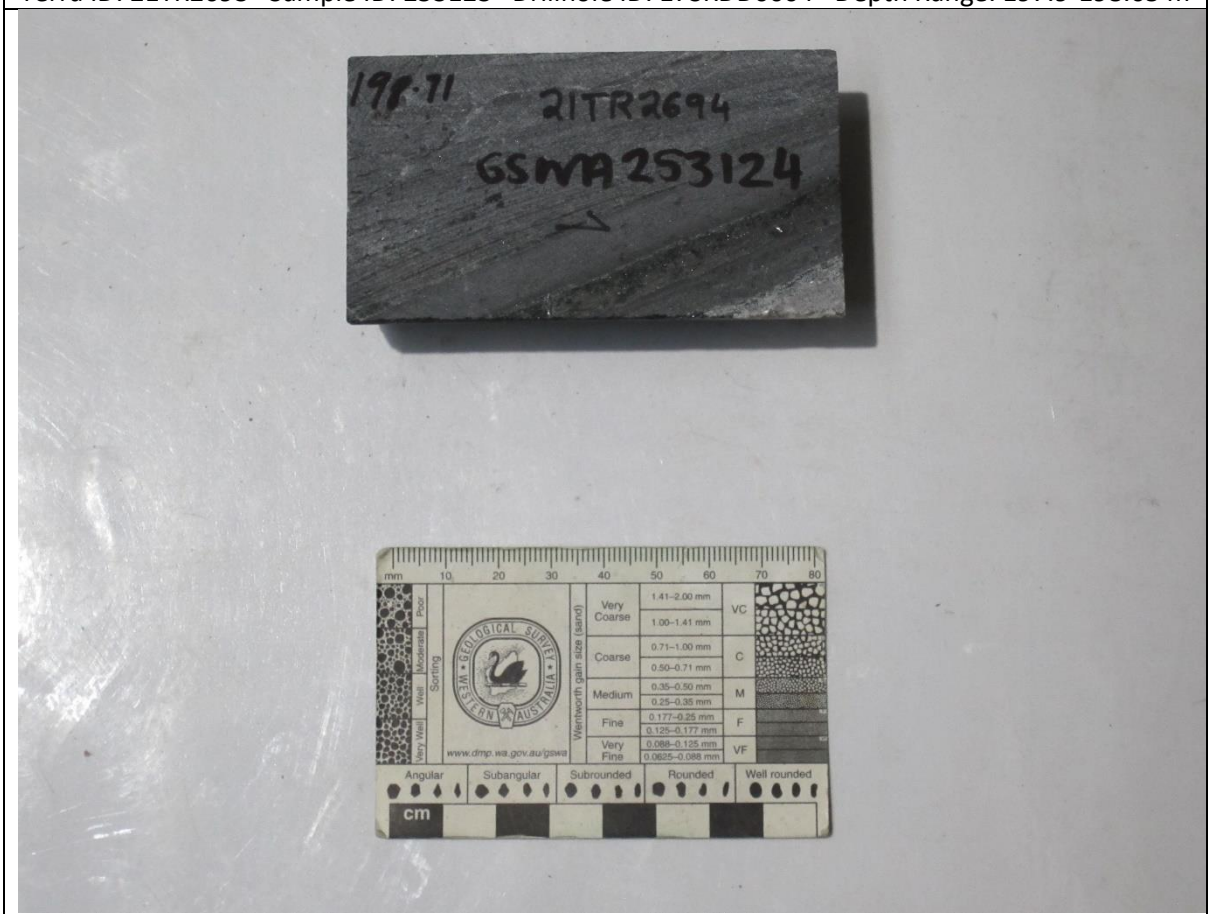
Terra ID: 21TR2689 Sample ID: 253119 Drillhole ID: 17SRDD0004 Depth Range: 185.65-185.8 m

Terra ID: 21TR2690 Sample ID: 253120 Drillhole ID: 17SRDD0004 Depth Range: 194.4-194.55 m

Terra ID: 21TR2691 Sample ID: 253121 Drillhole ID: 17SRDD0004 Depth Range: 196.73-196.88 m

Terra ID: 21TR2692 Sample ID: 253122 Drillhole ID: 17SRDD0004 Depth Range: 197.68-197.83 m

Terra ID: 21TR2693 Sample ID: 253123 Drillhole ID: 17SRDD0004 Depth Range: 197.9-198.05 m



Terra ID: 21TR2694 Sample ID: 253124 Drillhole ID: 17SRDD0004 Depth Range: 198.71-198.86 m

Terra ID: 21TR2695 Sample ID: 253071 Drillhole ID: 17MNDD0001 Depth Range: 51.7-51.85 m

Terra ID: 21TR2696 Sample ID: 253072 Drillhole ID: 17MNDD0001 Depth Range: 73.45-73.6 m

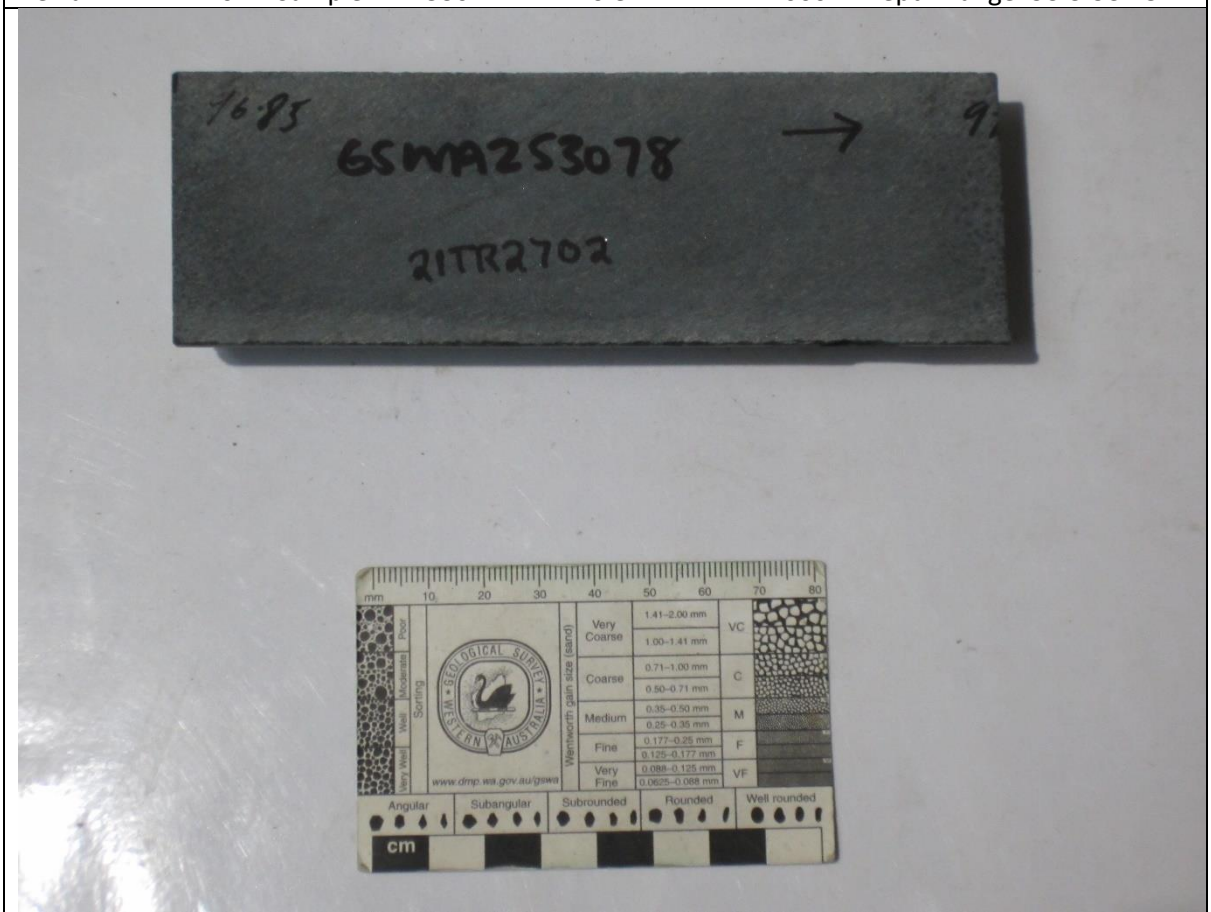
Terra ID: 21TR2697 Sample ID: 253073 Drillhole ID: 17MNDD0001 Depth Range: 79.43-79.6 m

Terra ID: 21TR2698 Sample ID: 253074 Drillhole ID: 17MNDD0001 Depth Range: 83.9-84.05 m

Terra ID: 21TR2699 Sample ID: 253075 Drillhole ID: 17MNDD0001 Depth Range: 84.87-85.02 m

Terra ID: 21TR2700 Sample ID: 253076 Drillhole ID: 17MNDD0001 Depth Range: 89.85-90 m

Terra ID: 21TR2701 Sample ID: 253077 Drillhole ID: 17MNDD0001 Depth Range: 93.3-93.45 m

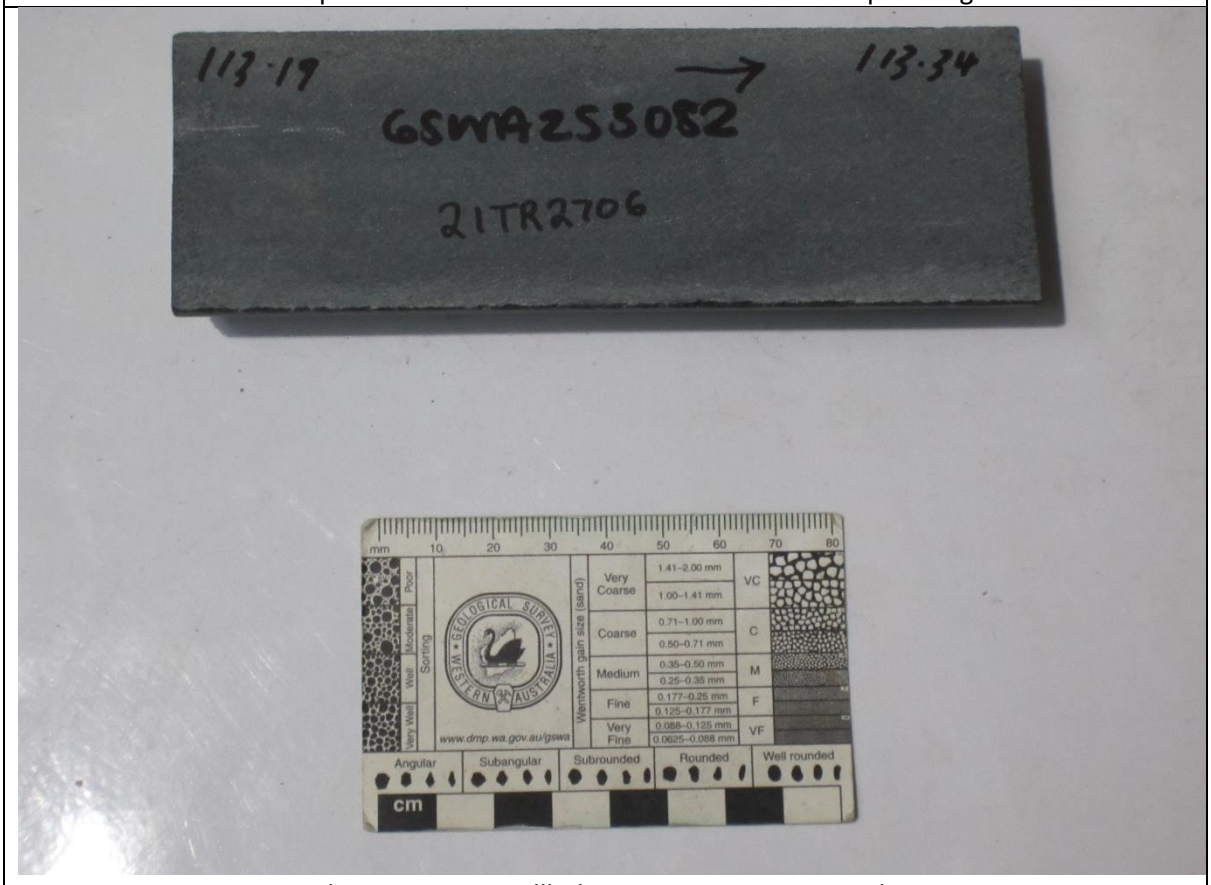


Terra ID: 21TR2702 Sample ID: 253078 Drillhole ID: 17MNDD0001 Depth Range: 96.85-97 m

Terra ID: 21TR2703 Sample ID: 253079 Drillhole ID: 17MNDD0001 Depth Range: 99.9-100.05 m

Terra ID: 21TR2704 Sample ID: 253080 Drillhole ID: 17MNDD0001 Depth Range: 103.45-103.6 m

Terra ID: 21TR2705 Sample ID: 253081 Drillhole ID: 17MNDD0001 Depth Range: 107.35-107.5 m

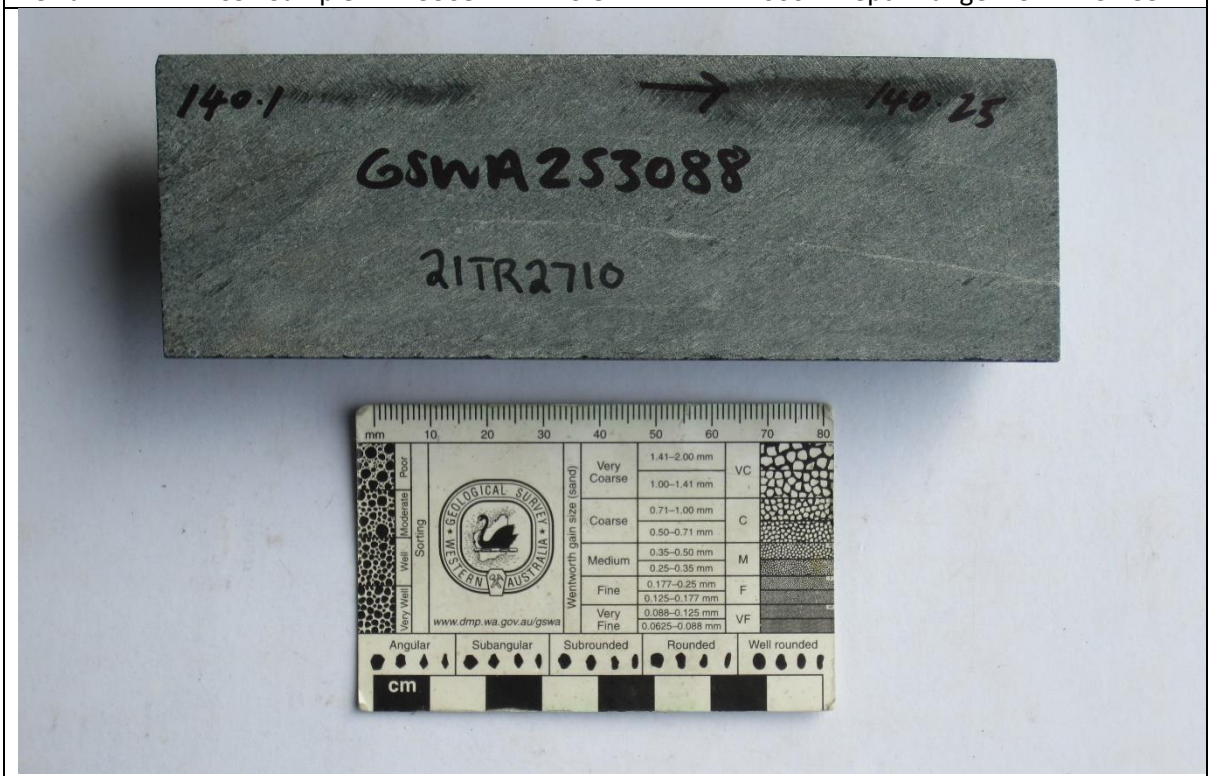


Terra ID: 21TR2706 Sample ID: 253082 Drillhole ID: 17MNDD0001 Depth Range: 113.19-113.34 m

Terra ID: 21TR2707 Sample ID: 253085 Drillhole ID: 17MNDD0001 Depth Range: 122.05-122.2 m

Terra ID: 21TR2708 Sample ID: 253086 Drillhole ID: 17MNDD0001 Depth Range: 132.4-132.55 m

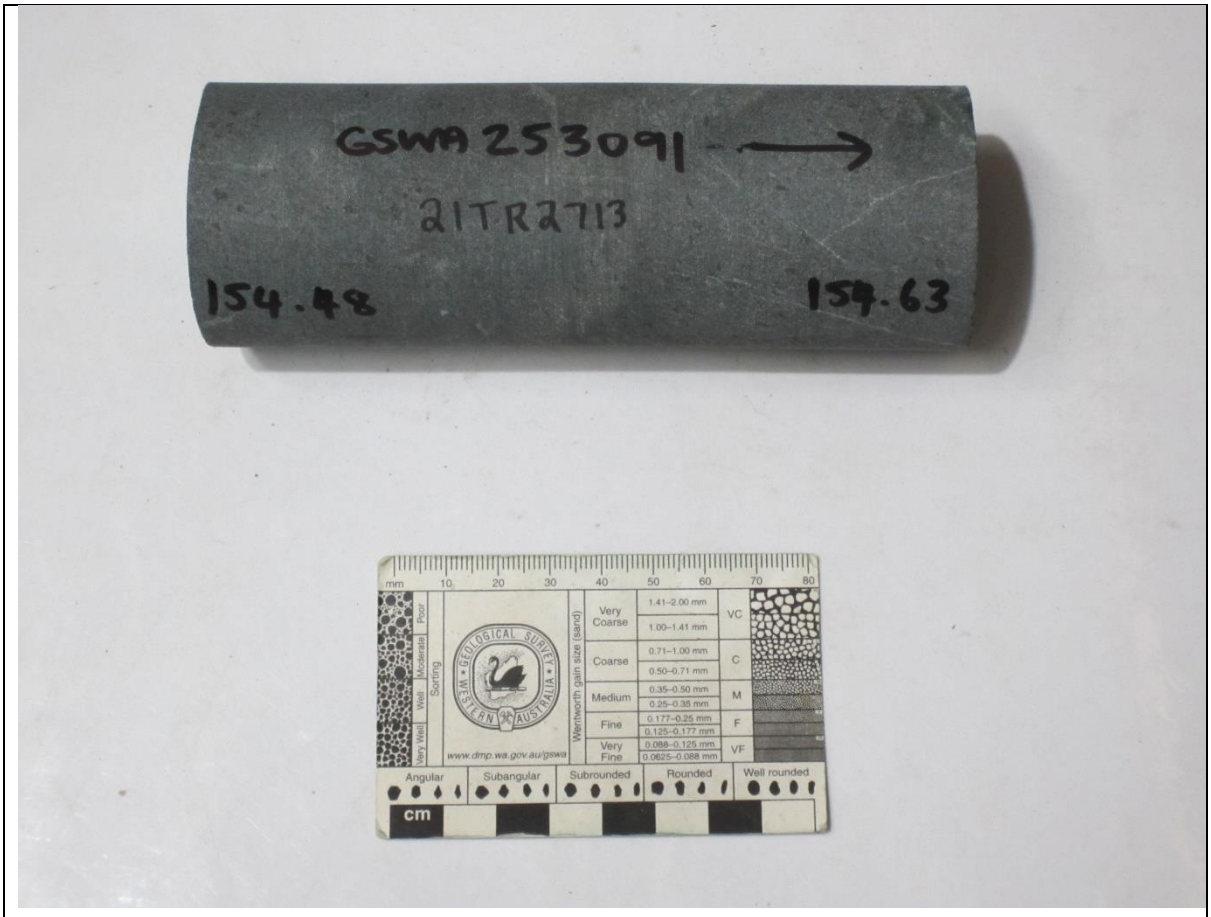
Terra ID: 21TR2709 Sample ID: 253087 Drillhole ID: 17MNDD0001 Depth Range: 137.2-137.35 m



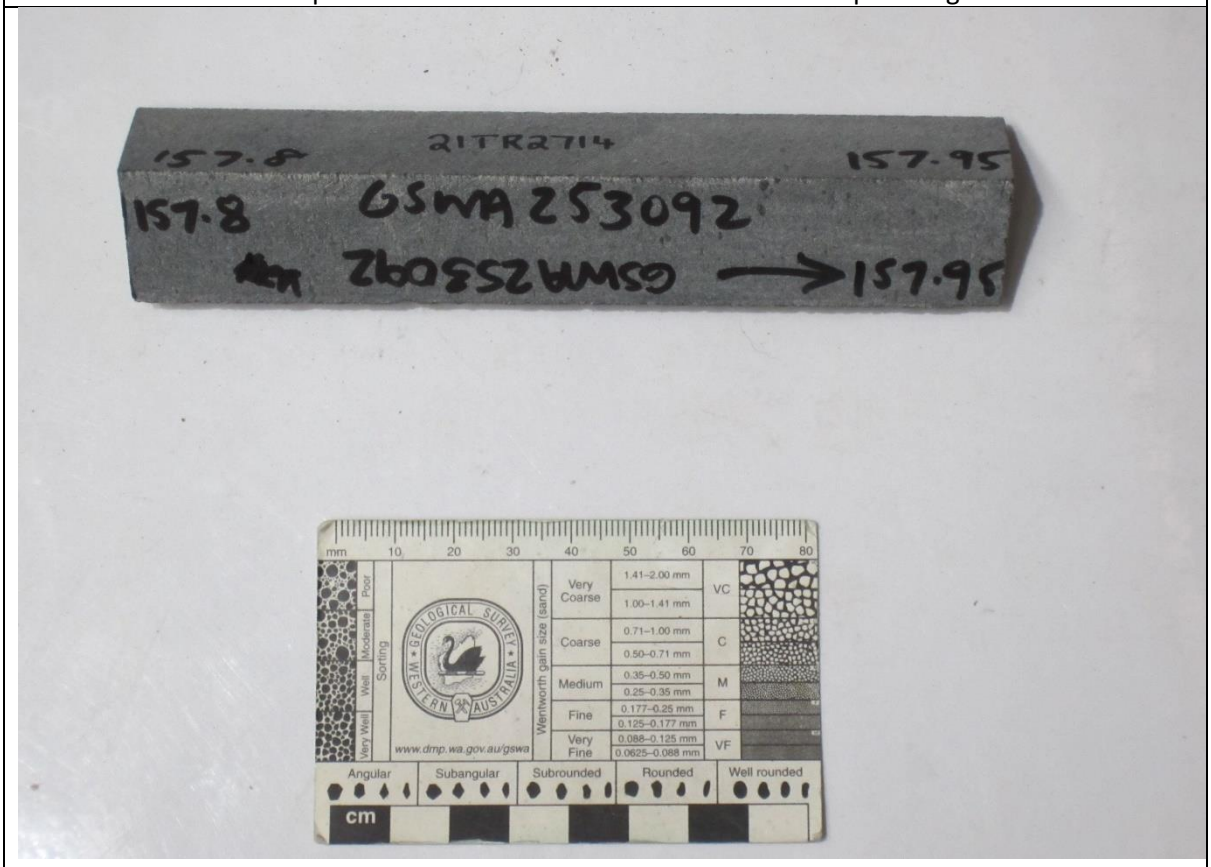
Terra ID: 21TR2710 Sample ID: 253088 Drillhole ID: 17MNDD0001 Depth Range: 140.1-140.25 m

Terra ID: 21TR2711 Sample ID: 253089 Drillhole ID: 17MNDD0001 Depth Range: 144.57-144.72 m

Terra ID: 21TR2712 Sample ID: 253090 Drillhole ID: 17MNDD0001 Depth Range: 149.18-149.33 m



Terra ID: 21TR2713 Sample ID: 253091 Drillhole ID: 17MNDD0001 Depth Range: 154.48-154.63 m



Terra ID: 21TR2714 Sample ID: 253092 Drillhole ID: 17MNDD0001 Depth Range: 157.8-157.95 m

Terra ID: 21TR2715 Sample ID: 253093 Drillhole ID: 17MNDD0001 Depth Range: 161.96-162.11 m

Terra ID: 21TR2716 Sample ID: 253094 Drillhole ID: 17MNDD0001 Depth Range: 168.63-168.78 m

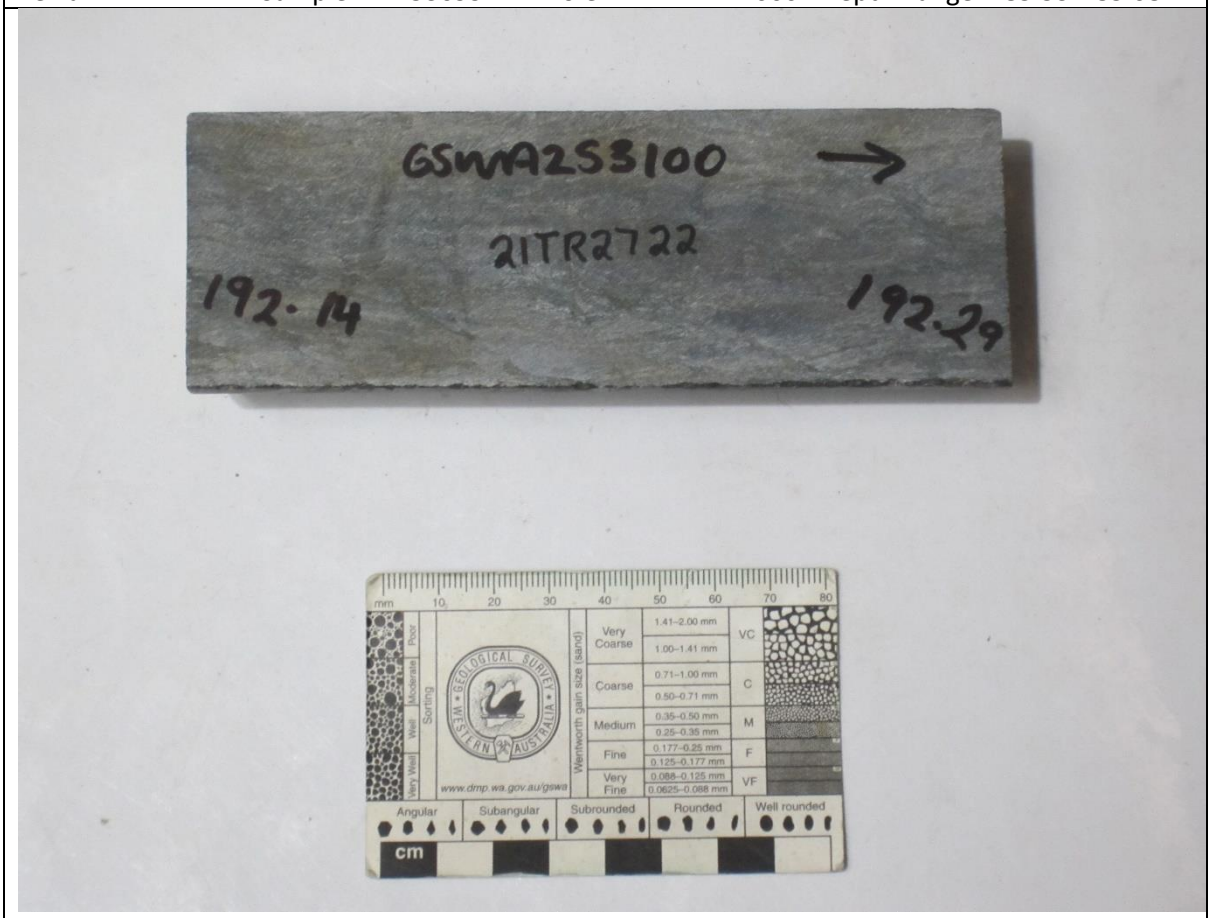
Terra ID: 21TR2717 Sample ID: 253095 Drillhole ID: 17MNDD0001 Depth Range: 170.48-170.63 m

Terra ID: 21TR2718 Sample ID: 253096 Drillhole ID: 17MNDD0001 Depth Range: 171.75-171.9 m

Terra ID: 21TR2719 Sample ID: 253097 Drillhole ID: 17MNDD0001 Depth Range: 177.1-177.25 m

Terra ID: 21TR2720 Sample ID: 253098 Drillhole ID: 17MNDD0001 Depth Range: 182.77-182.92 m

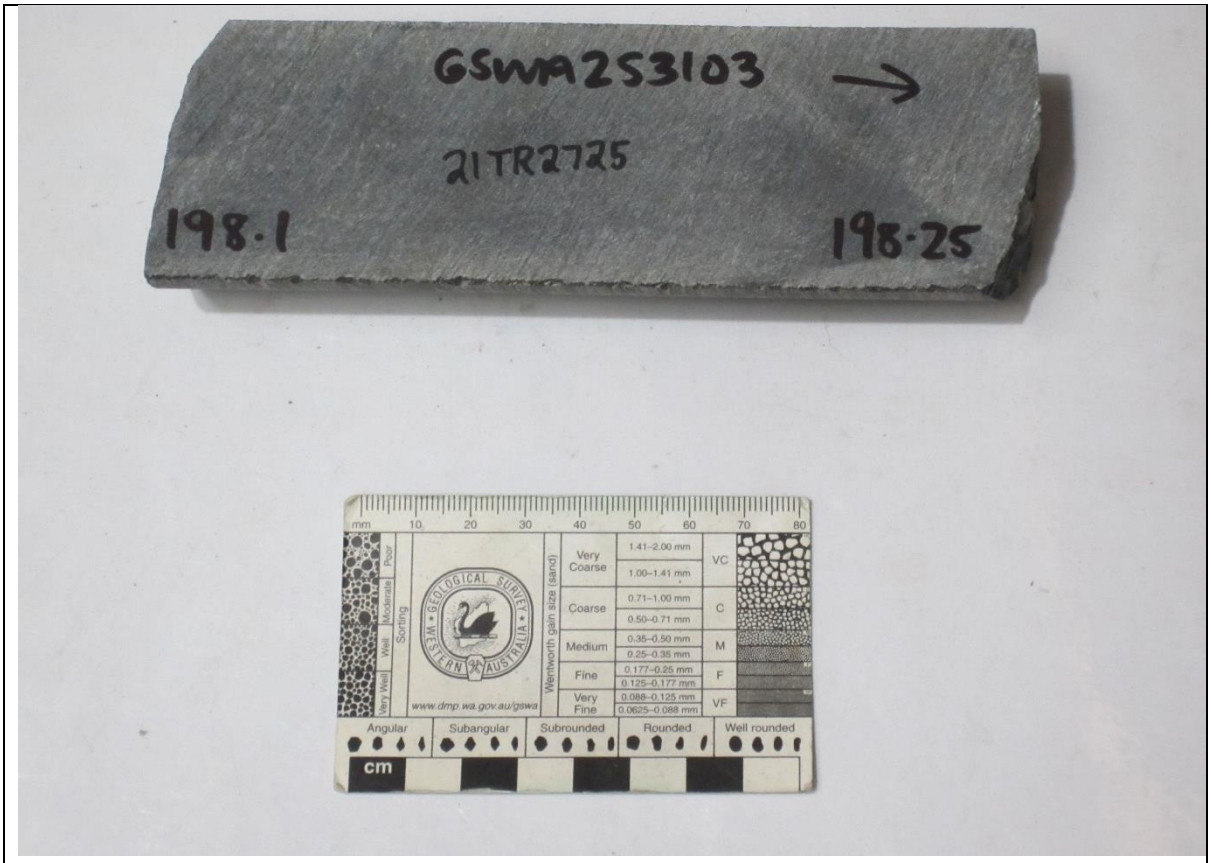
Terra ID: 21TR2721 Sample ID: 253099 Drillhole ID: 17MNDD0001 Depth Range: 185.53-185.68 m



Terra ID: 21TR2722 Sample ID: 253100 Drillhole ID: 17MNDD0001 Depth Range: 192.14-192.29 m

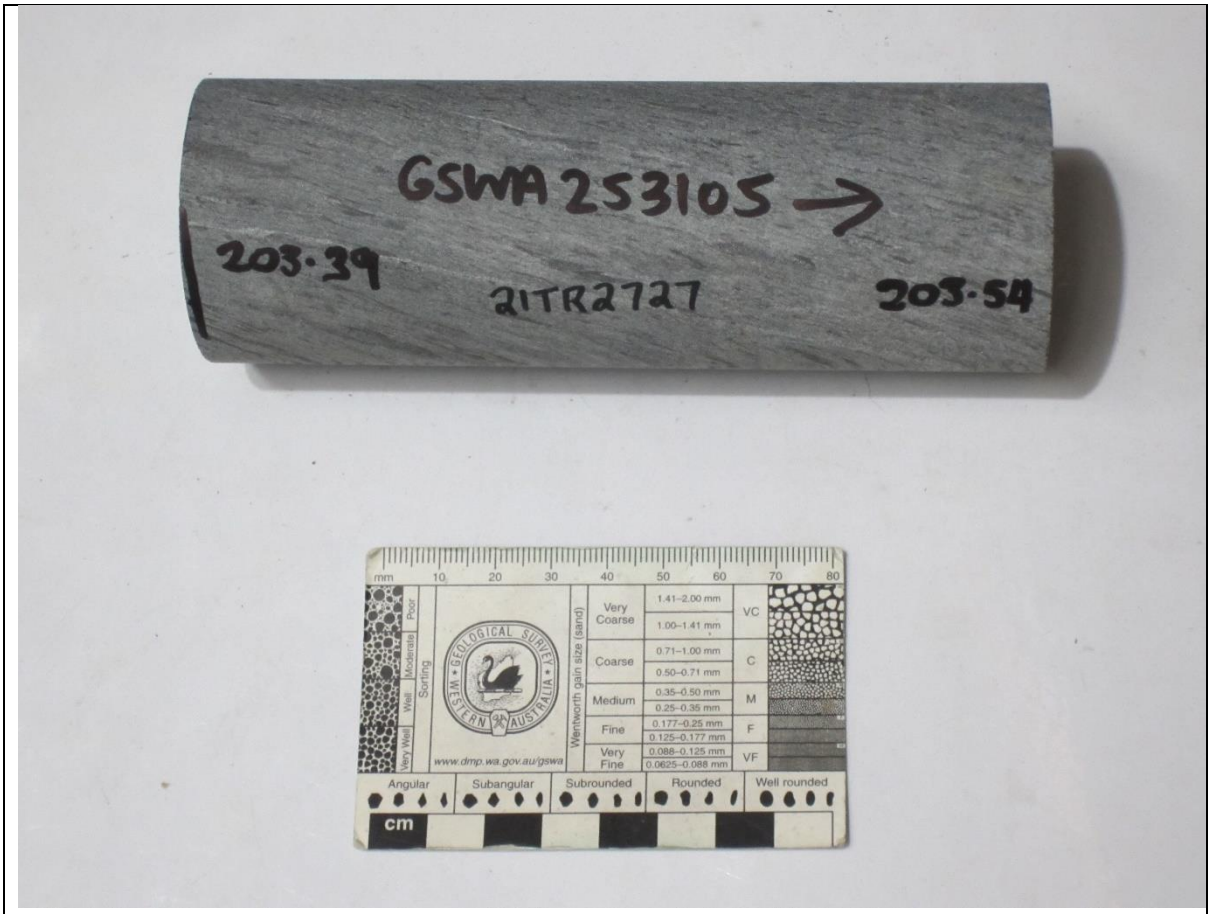
Terra ID: 21TR2723 Sample ID: 253101 Drillhole ID: 17MNDD0001 Depth Range: 193.79-193.94 m

Terra ID: 21TR2724 Sample ID: 253102 Drillhole ID: 17MNDD0001 Depth Range: 196.48-196.63 m



Terra ID: 21TR2725 Sample ID: 253103 Drillhole ID: 17MNDD0001 Depth Range: 198.1-198.25 m

Terra ID: 21TR2726 Sample ID: 253104 Drillhole ID: 17MNDD0001 Depth Range: 198.48-198.63 m

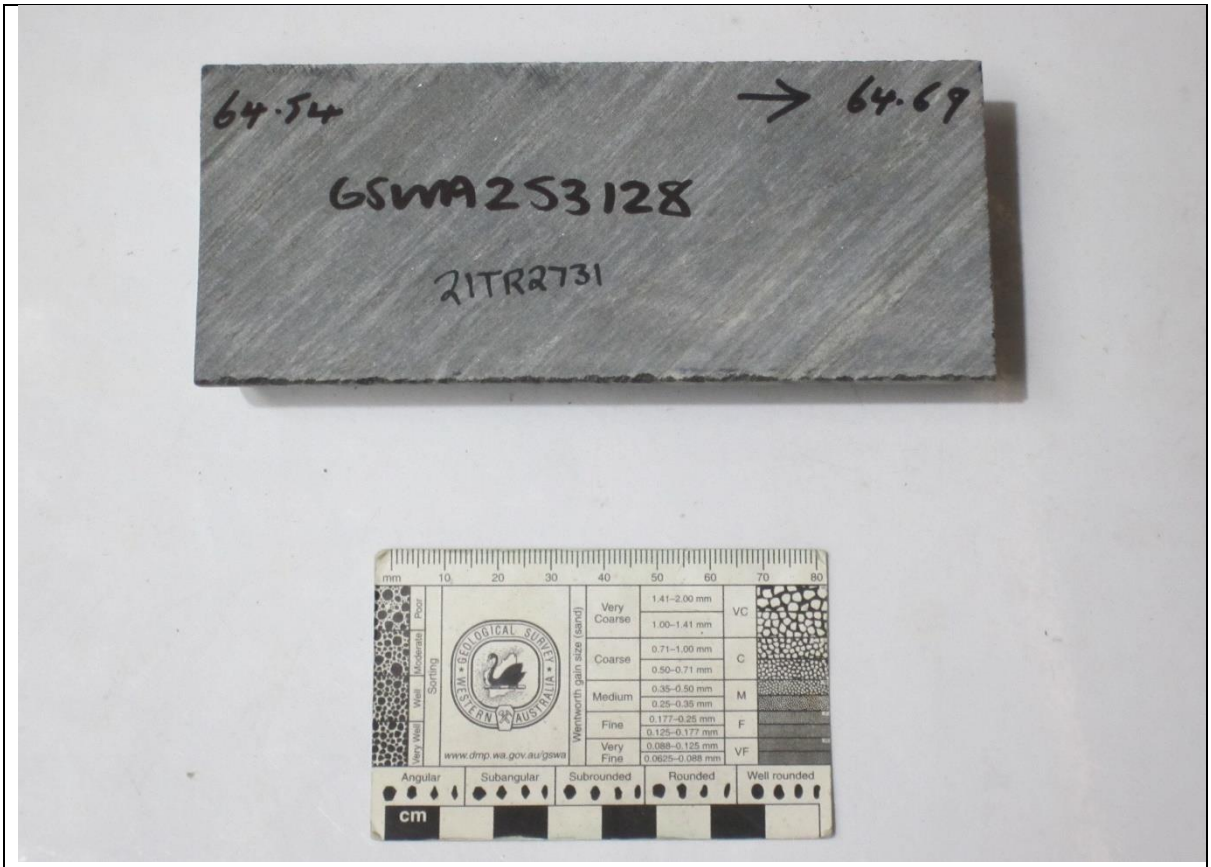


Terra ID: 21TR2727 Sample ID: 253105 Drillhole ID: 17MNDD0001 Depth Range: 203.39-203.54 m

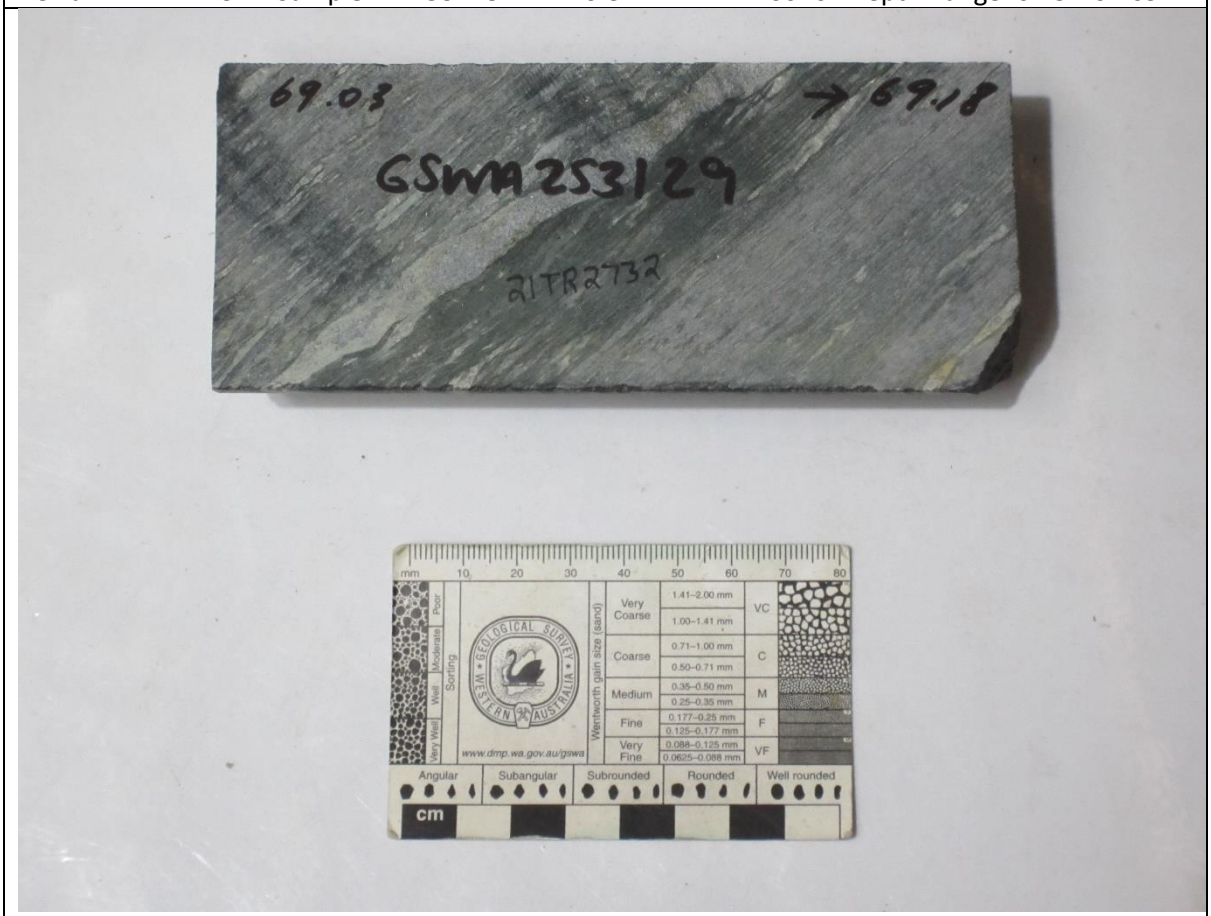
Terra ID: 21TR2728 Sample ID: 253125 Drillhole ID: 17DHDD0016 Depth Range: 1.91-2.06 m

Terra ID: 21TR2729 Sample ID: 253126 Drillhole ID: 17DHDD0016 Depth Range: 54.52-54.67 m

Terra ID: 21TR2730 Sample ID: 253127 Drillhole ID: 17DHDD0016 Depth Range: 62.32-62.47 m

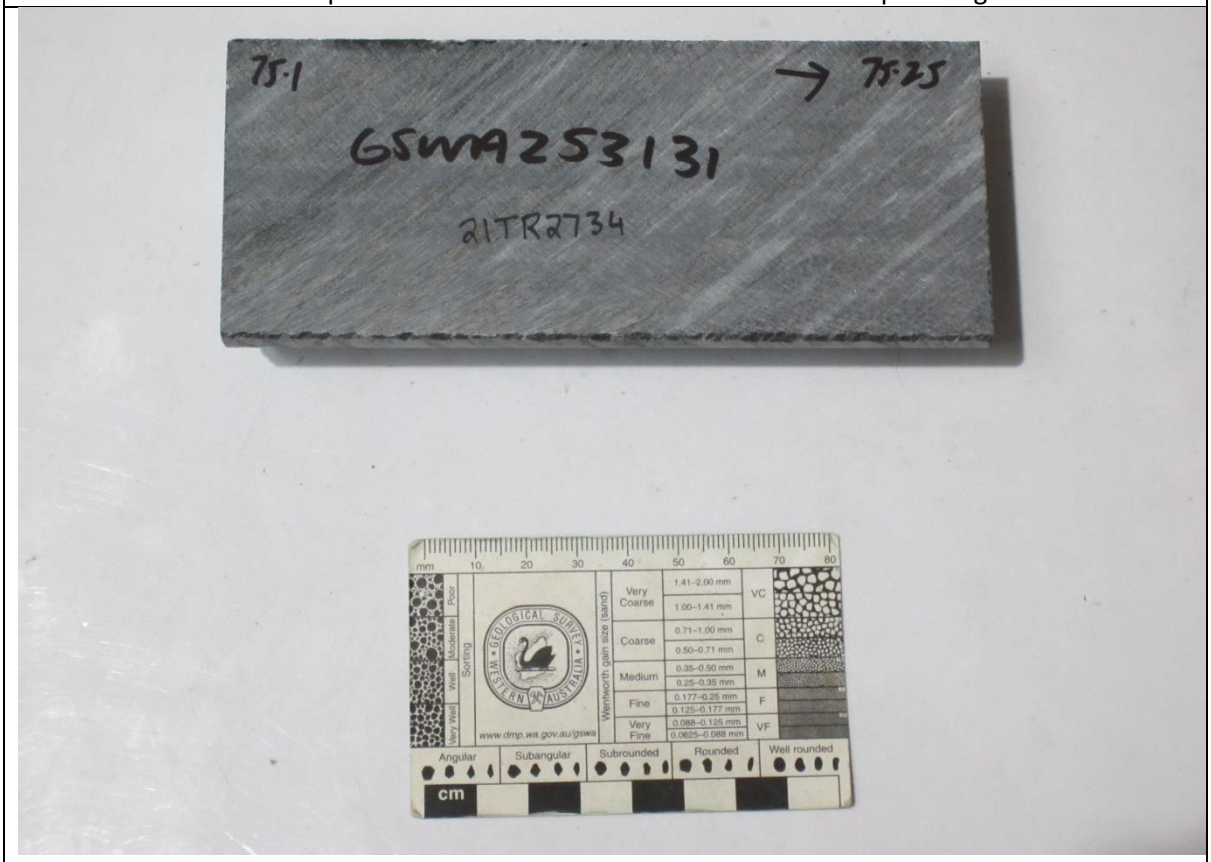


Terra ID: 21TR2731 Sample ID: 253128 Drillhole ID: 17DHDD0016 Depth Range: 64.54-64.69 m



Terra ID: 21TR2732 Sample ID: 253129 Drillhole ID: 17DHDD0016 Depth Range: 69.03-69.18 m

Terra ID: 21TR2733 Sample ID: 253130 Drillhole ID: 17DHDD0016 Depth Range: 70.54-70.69 m



Terra ID: 21TR2734 Sample ID: 253131 Drillhole ID: 17DHDD0016 Depth Range: 75.1-75.25 m

Terra ID: 21TR2735 Sample ID: 253132 Drillhole ID: 17DHDD0016 Depth Range: 76.47-76.62 m

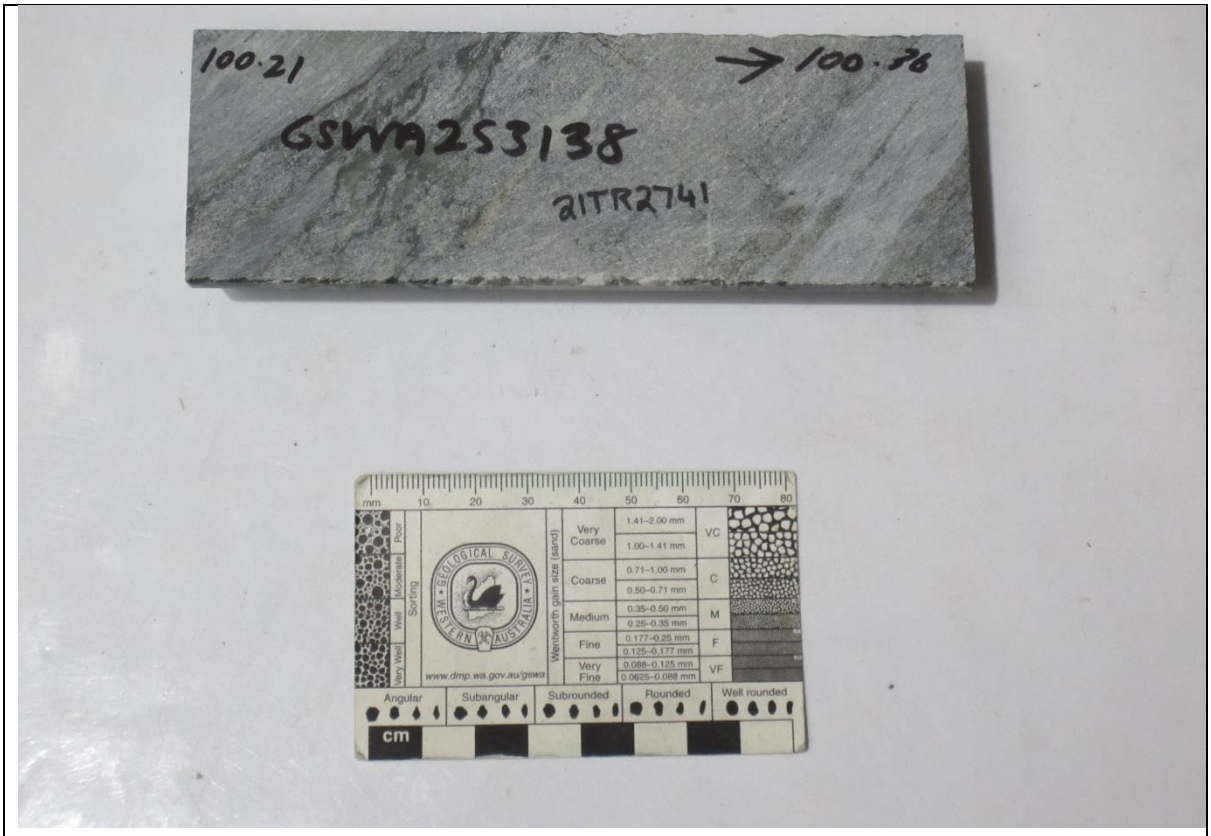
Terra ID: 21TR2736 Sample ID: 253133 Drillhole ID: 17DHDD0016 Depth Range: 77.76-77.91 m

Terra ID: 21TR2737 Sample ID: 253134 Drillhole ID: 17DHDD0016 Depth Range: 78.5-78.65 m

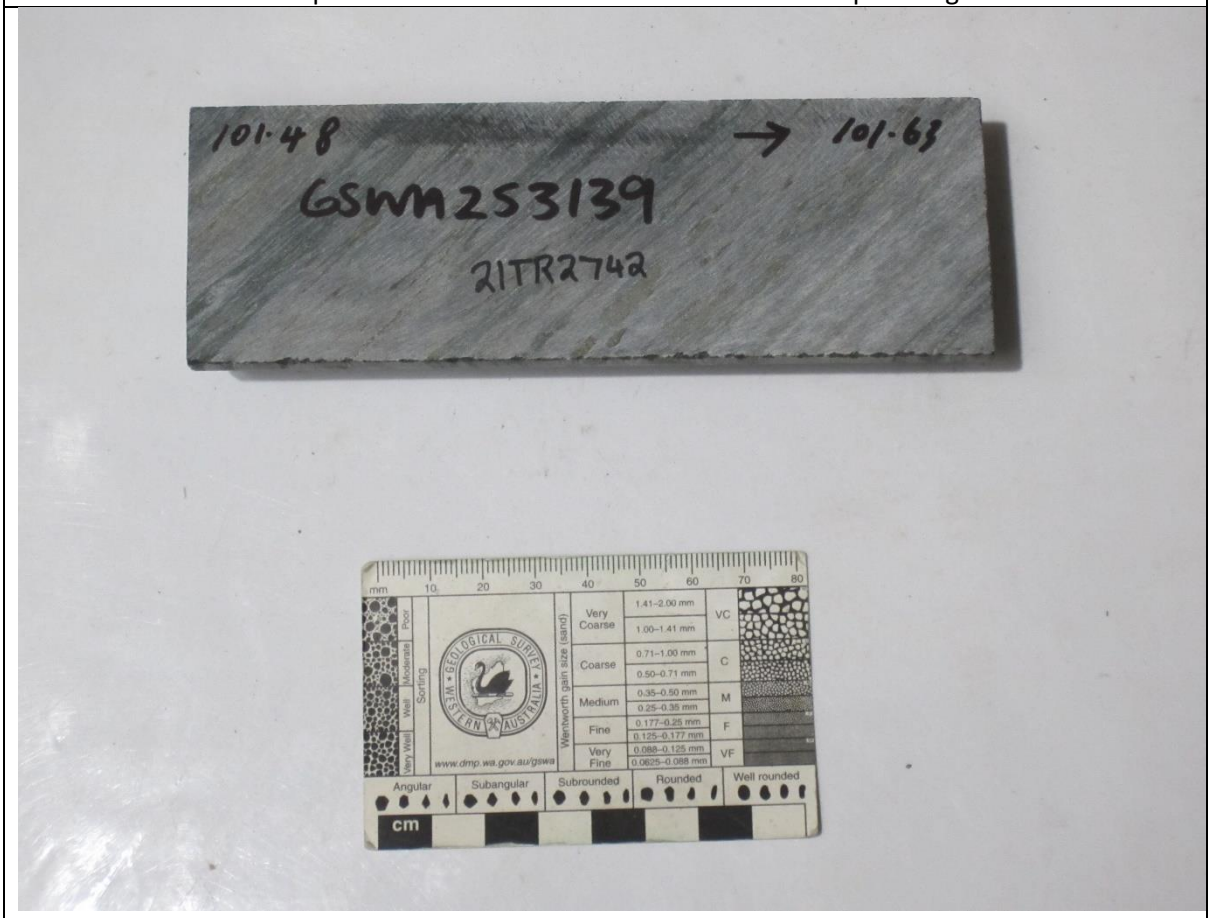
Terra ID: 21TR2738 Sample ID: 253135 Drillhole ID: 17DHDD0016 Depth Range: 84.45-84.6 m

Terra ID: 21TR2739 Sample ID: 253136 Drillhole ID: 17DHDD0016 Depth Range: 87.13-87.28 m

Terra ID: 21TR2740 Sample ID: 253137 Drillhole ID: 17DHDD0016 Depth Range: 91.06-91.21 m



Terra ID: 21TR2741 Sample ID: 253138 Drillhole ID: 17DHDD0016 Depth Range: 100.21-100.36 m



Terra ID: 21TR2742 Sample ID: 253139 Drillhole ID: 17DHDD0016 Depth Range: 101.48-101.63 m

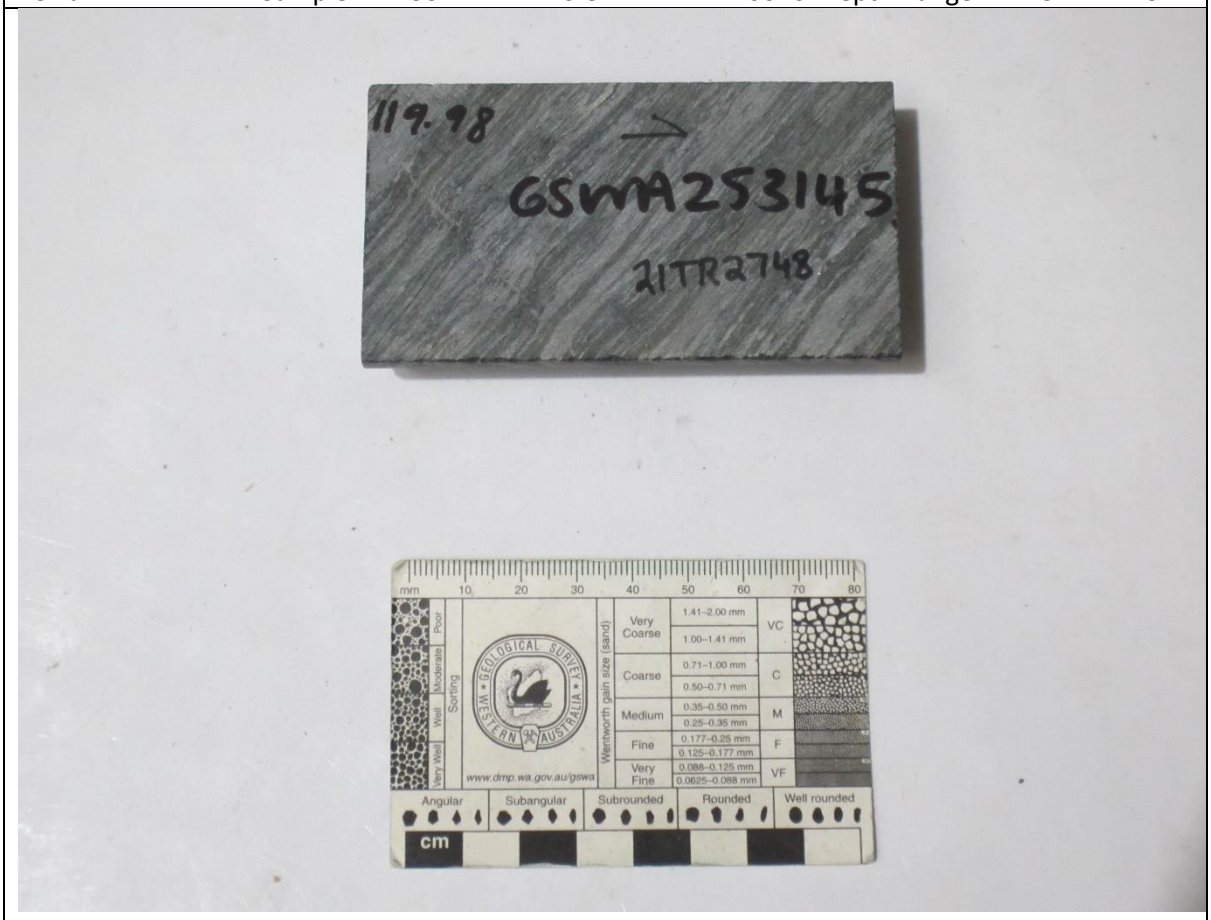
Terra ID: 21TR2743 Sample ID: 253140 Drillhole ID: 17DHDD0016 Depth Range: 103.42-103.57 m

Terra ID: 21TR2744 Sample ID: 253141 Drillhole ID: 17DHDD0016 Depth Range: 105.35-105.5 m

Terra ID: 21TR2745 Sample ID: 253142 Drillhole ID: 17DHDD0016 Depth Range: 109.85-110 m

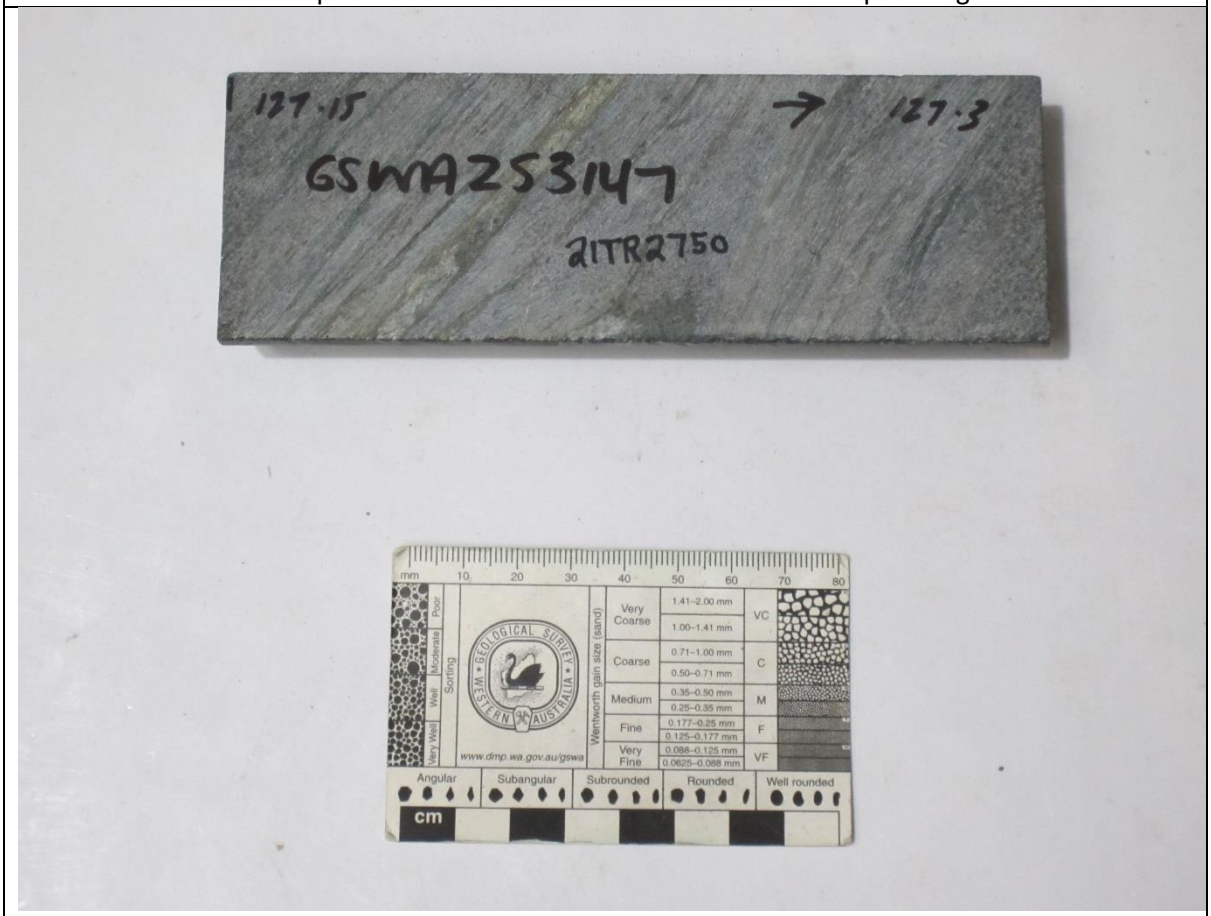
Terra ID: 21TR2746 Sample ID: 253143 Drillhole ID: 17DHDD0016 Depth Range: 112.02-112.17 m

Terra ID: 21TR2747 Sample ID: 253144 Drillhole ID: 17DHDD0016 Depth Range: 117.34-117.49 m



Terra ID: 21TR2748 Sample ID: 253145 Drillhole ID: 17DHDD0016 Depth Range: 119.98-120.13 m

Terra ID: 21TR2749 Sample ID: 253146 Drillhole ID: 17DHDD0016 Depth Range: 126.05-126.2 m

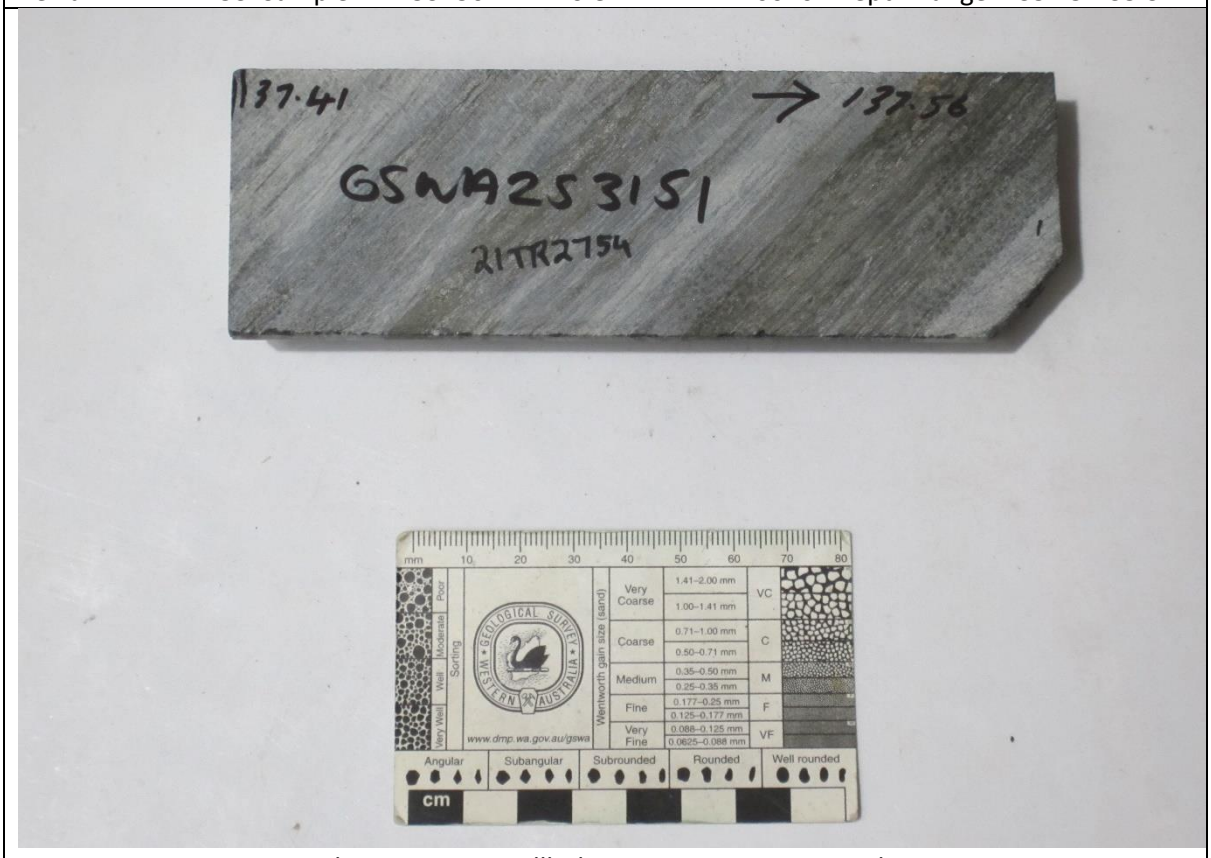


Terra ID: 21TR2750 Sample ID: 253147 Drillhole ID: 17DHDD0016 Depth Range: 127.15-127.3 m

Terra ID: 21TR2751 Sample ID: 253148 Drillhole ID: 17DHDD0016 Depth Range: 130.17-130.32 m

Terra ID: 21TR2752 Sample ID: 253149 Drillhole ID: 17DHDD0016 Depth Range: 130.55-130.7 m

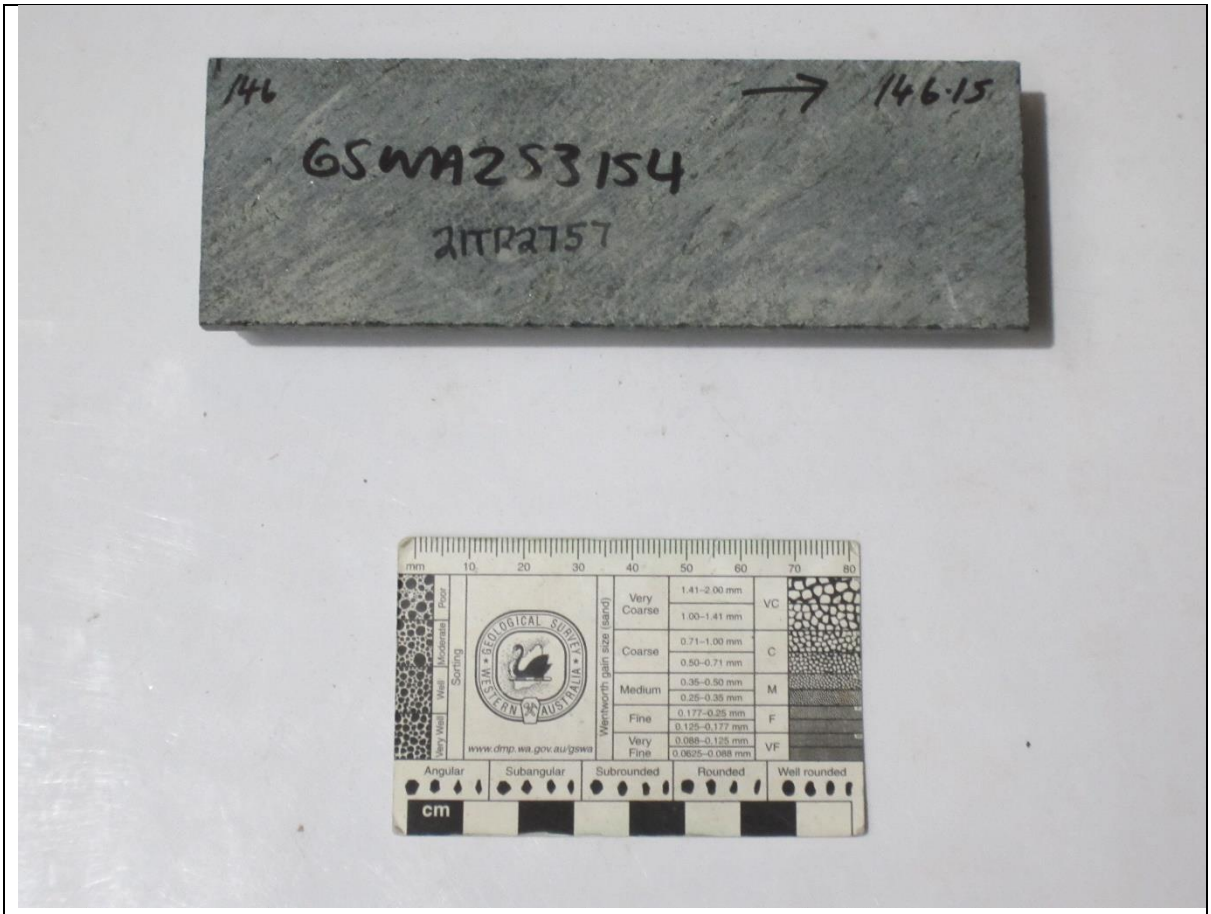
Terra ID: 21TR2753 Sample ID: 253150 Drillhole ID: 17DHDD0016 Depth Range: 135.15-135.3 m



Terra ID: 21TR2754 Sample ID: 253151 Drillhole ID: 17DHDD0016 Depth Range: 137.41-137.56 m

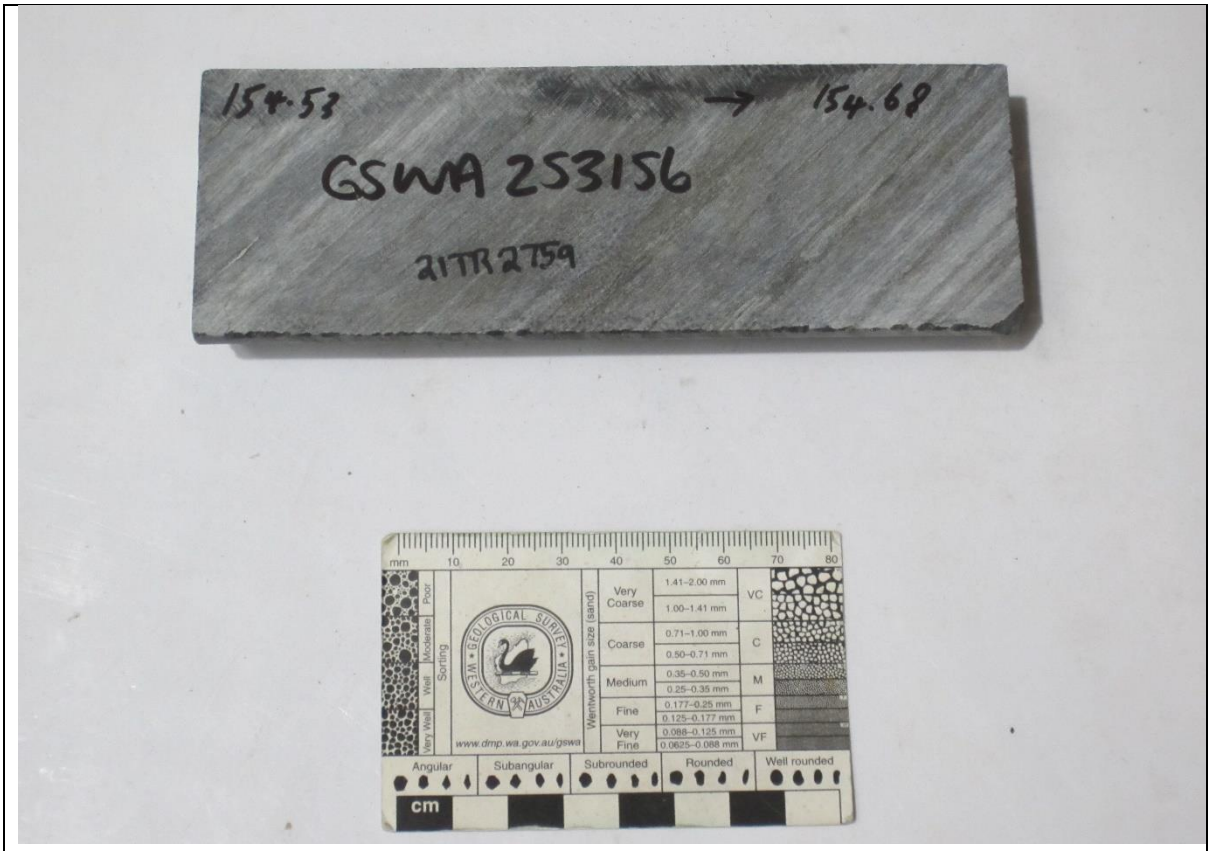
Terra ID: 21TR2755 Sample ID: 253152 Drillhole ID: 17DHDD0016 Depth Range: 138.72-138.87 m

Terra ID: 21TR2756 Sample ID: 253153 Drillhole ID: 17DHDD0016 Depth Range: 143.47-143.62 m

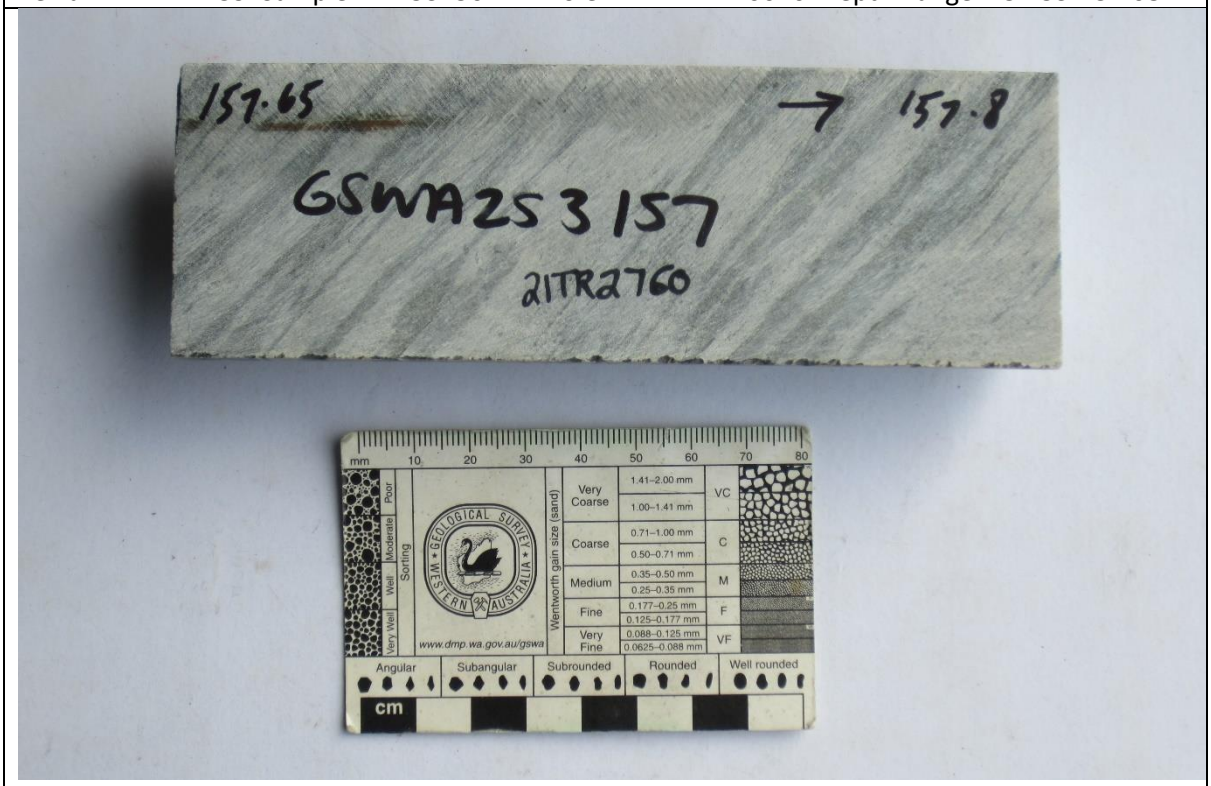


Terra ID: 21TR2757 Sample ID: 253154 Drillhole ID: 17DHDD0016 Depth Range: 146-146.15 m

Terra ID: 21TR2758 Sample ID: 253155 Drillhole ID: 17DHDD0016 Depth Range: 146.6-146.75 m

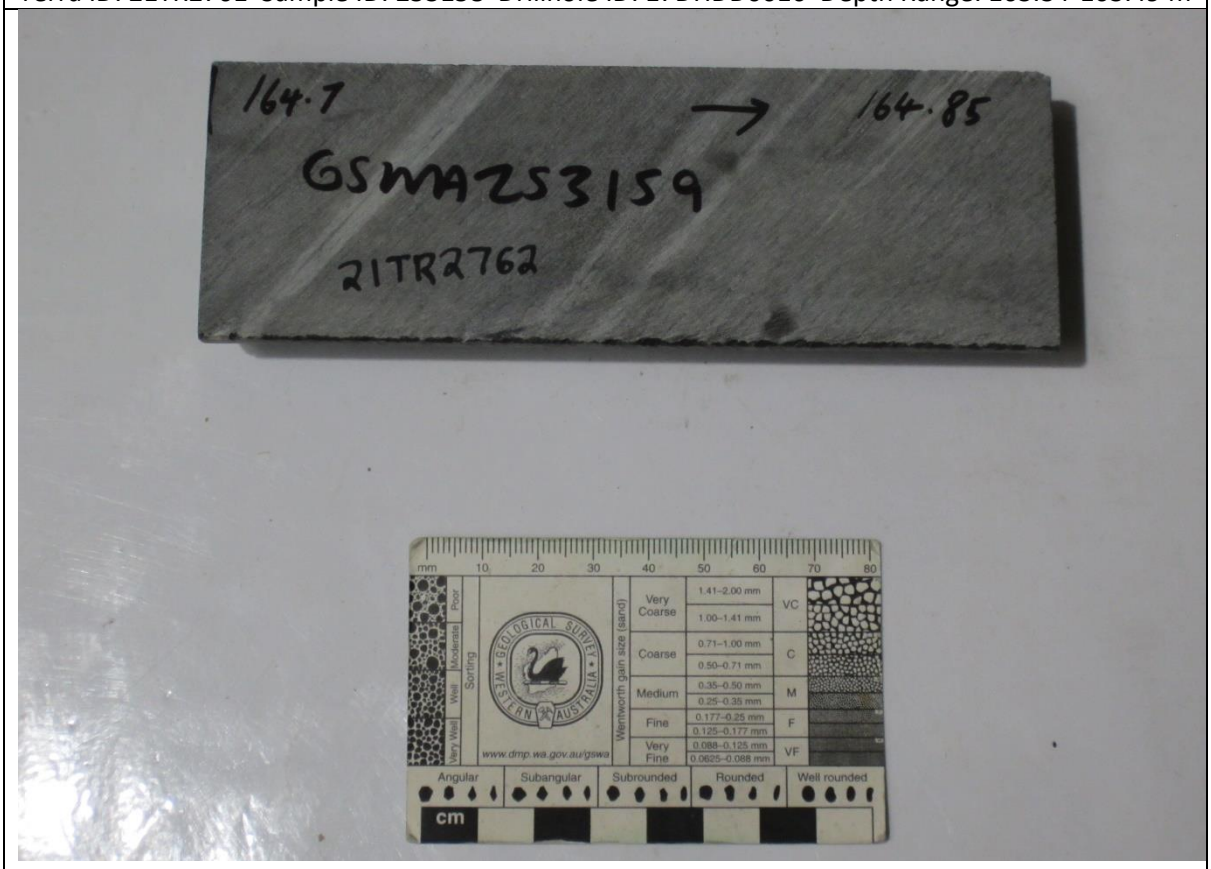


Terra ID: 21TR2759 Sample ID: 253156 Drillhole ID: 17DHDD0016 Depth Range: 154.53-154.68 m



Terra ID: 21TR2760 Sample ID: 253157 Drillhole ID: 17DHDD0016 Depth Range: 157.65-157.8 m

Terra ID: 21TR2761 Sample ID: 253158 Drillhole ID: 17DHDD0016 Depth Range: 163.34-163.49 m

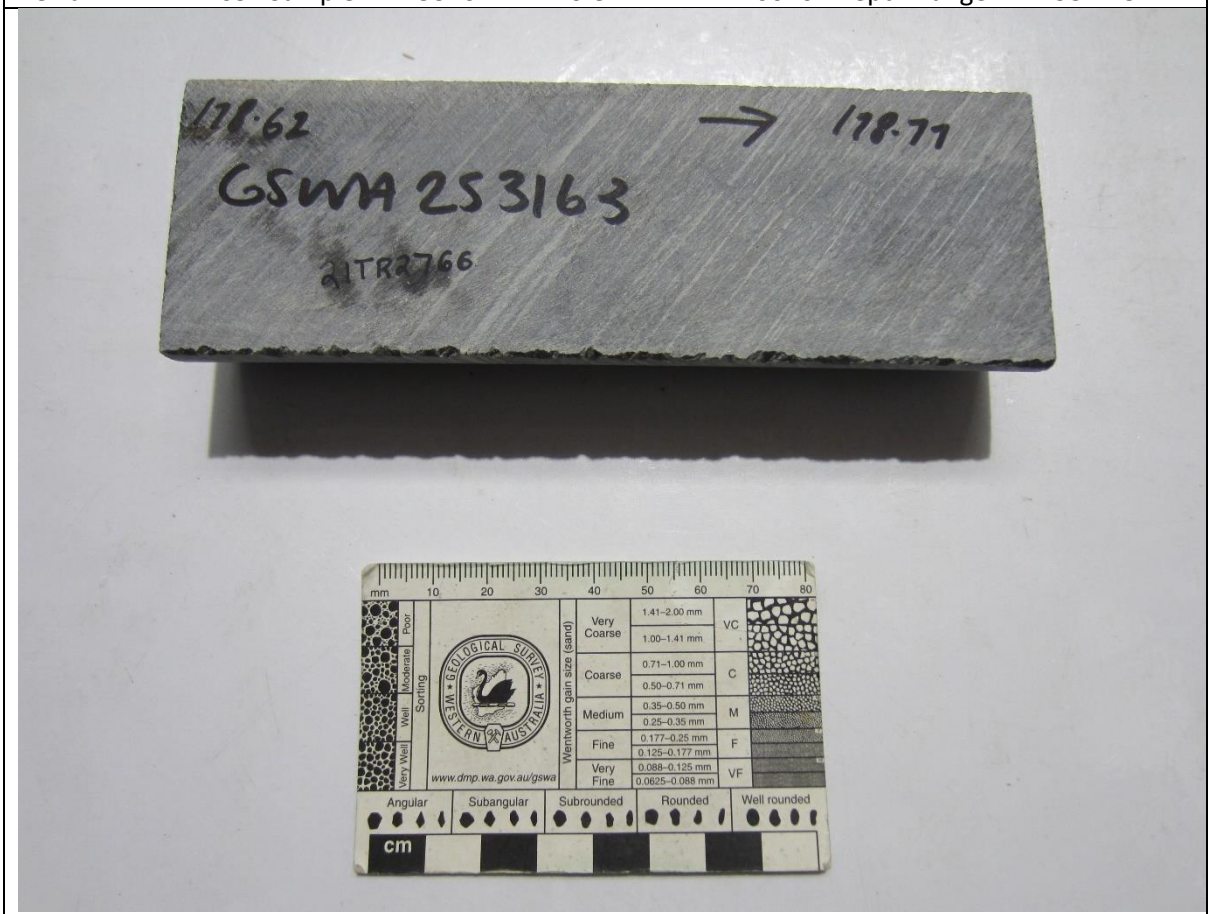


Terra ID: 21TR2762 Sample ID: 253159 Drillhole ID: 17DHDD0016 Depth Range: 164.7-164.85 m

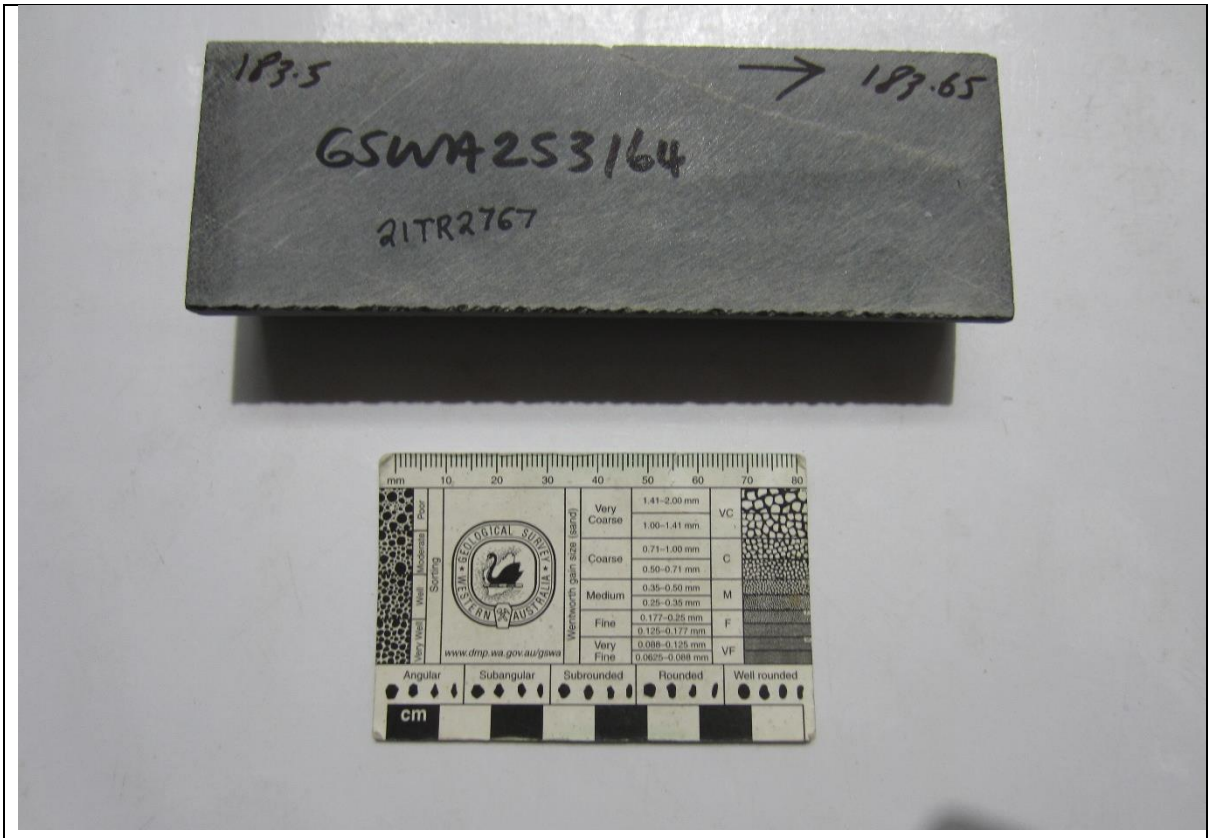
Terra ID: 21TR2763 Sample ID: 253160 Drillhole ID: 17DHDD0016 Depth Range: 168.11-168.26 m

Terra ID: 21TR2764 Sample ID: 253161 Drillhole ID: 17DHDD0016 Depth Range: 172.18-172.33 m

Terra ID: 21TR2765 Sample ID: 253162 Drillhole ID: 17DHDD0016 Depth Range: 174.95-175.1 m



Terra ID: 21TR2766 Sample ID: 253163 Drillhole ID: 17DHDD0016 Depth Range: 178.62-178.77 m



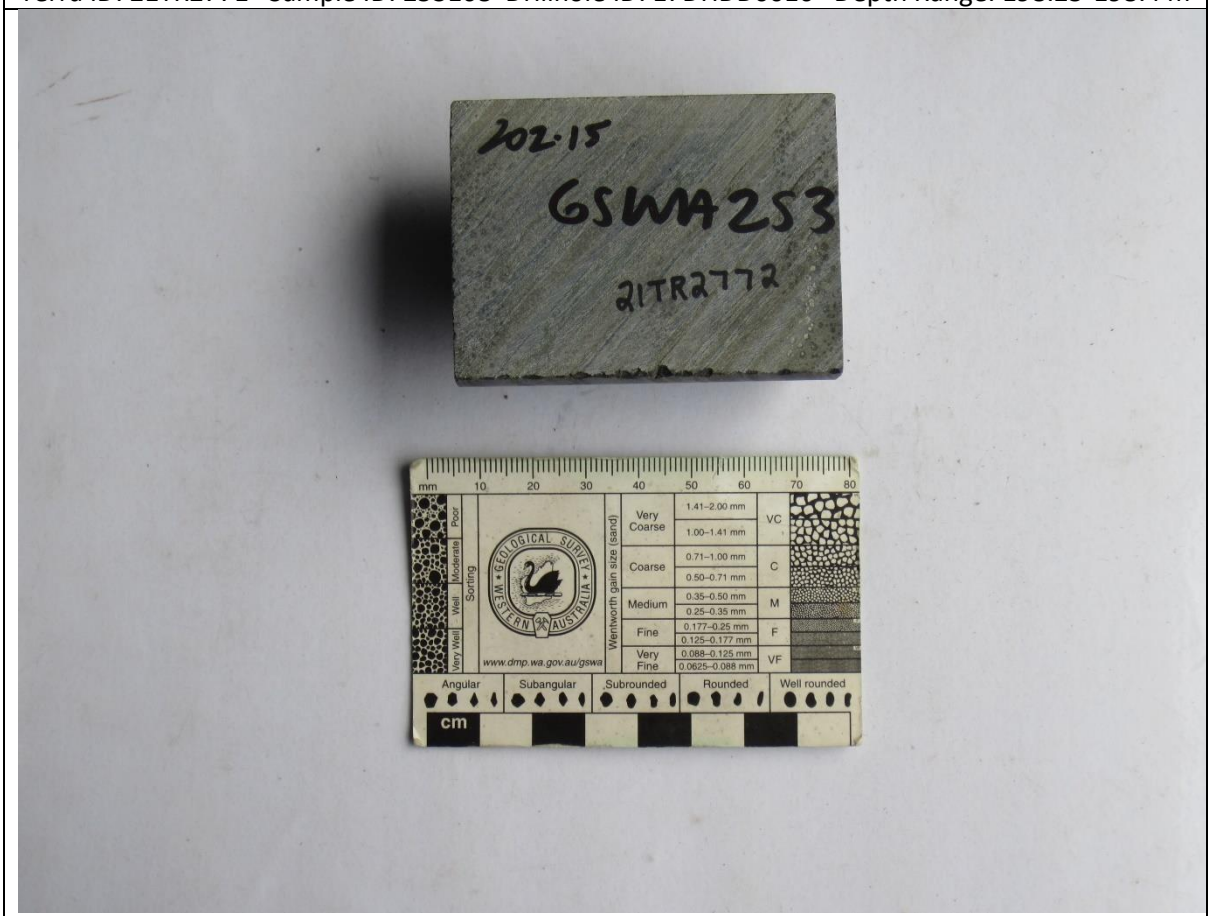
Terra ID: 21TR2767 Sample ID: 253164 Drillhole ID: 17DHDD0016 Depth Range: 183.5-183.65 m

Terra ID: 21TR2768 Sample ID: 253165 Drillhole ID: 17DHDD0016 Depth Range: 187.97-188.12 m

Terra ID: 21TR2769 Sample ID: 253166 Drillhole ID: 17DHDD0016 Depth Range: 190.2-190.35 m

Terra ID: 21TR2770 Sample ID: 253167 Drillhole ID: 17DHDD0016 Depth Range: 192.75-192.9 m

Terra ID: 21TR2771 Sample ID: 253168 Drillhole ID: 17DHDD0016 Depth Range: 198.25-198.4 m

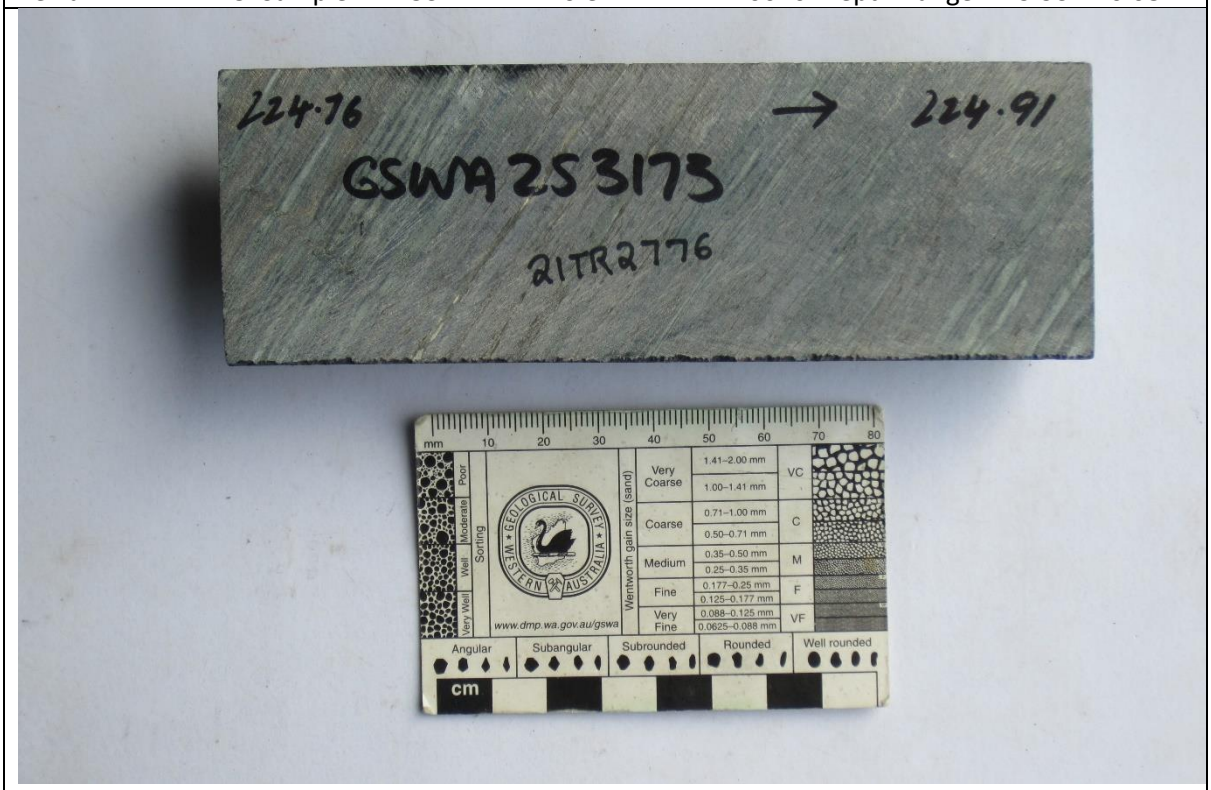


Terra ID: 21TR2772 Sample ID: 253169 Drillhole ID: 17DHDD0016 Depth Range: 202.15-202.3 m

Terra ID: 21TR2773 Sample ID: 253170 Drillhole ID: 17DHDD0016 Depth Range: 206.45-206.6 m

Terra ID: 21TR2774 Sample ID: 253171 Drillhole ID: 17DHDD0016 Depth Range: 209.9-210.05 m

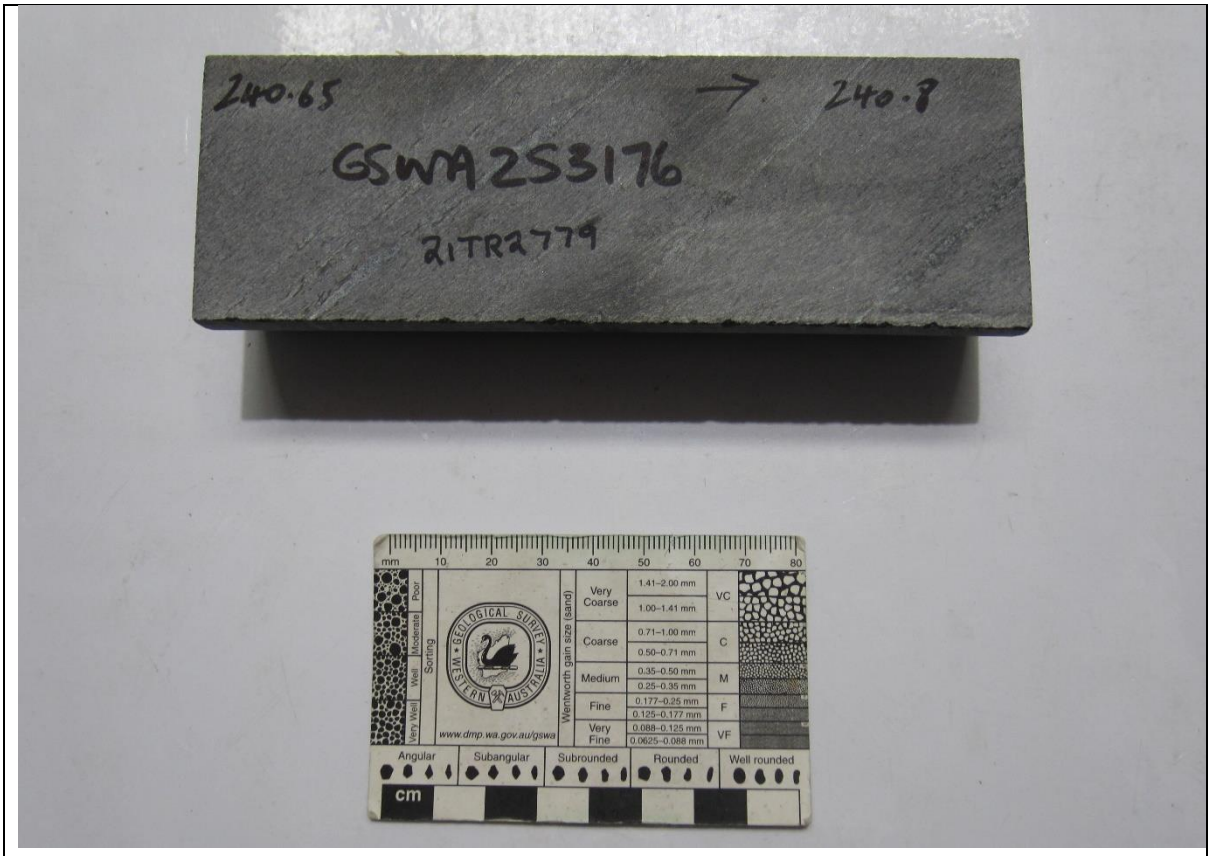
Terra ID: 21TR2775 Sample ID: 253172 Drillhole ID: 17DHDD0016 Depth Range: 219.93-220.08 m



Terra ID: 21TR2776 Sample ID: 253173 Drillhole ID: 17DHDD0016 Depth Range: 224.76-224.91 m

Terra ID: 21TR2777 Sample ID: 253174 Drillhole ID: 17DHDD0016 Depth Range: 231.87-232.02 m

Terra ID: 21TR2778 Sample ID: 253175 Drillhole ID: 17DHDD0016 Depth Range: 235.71-235.86 m

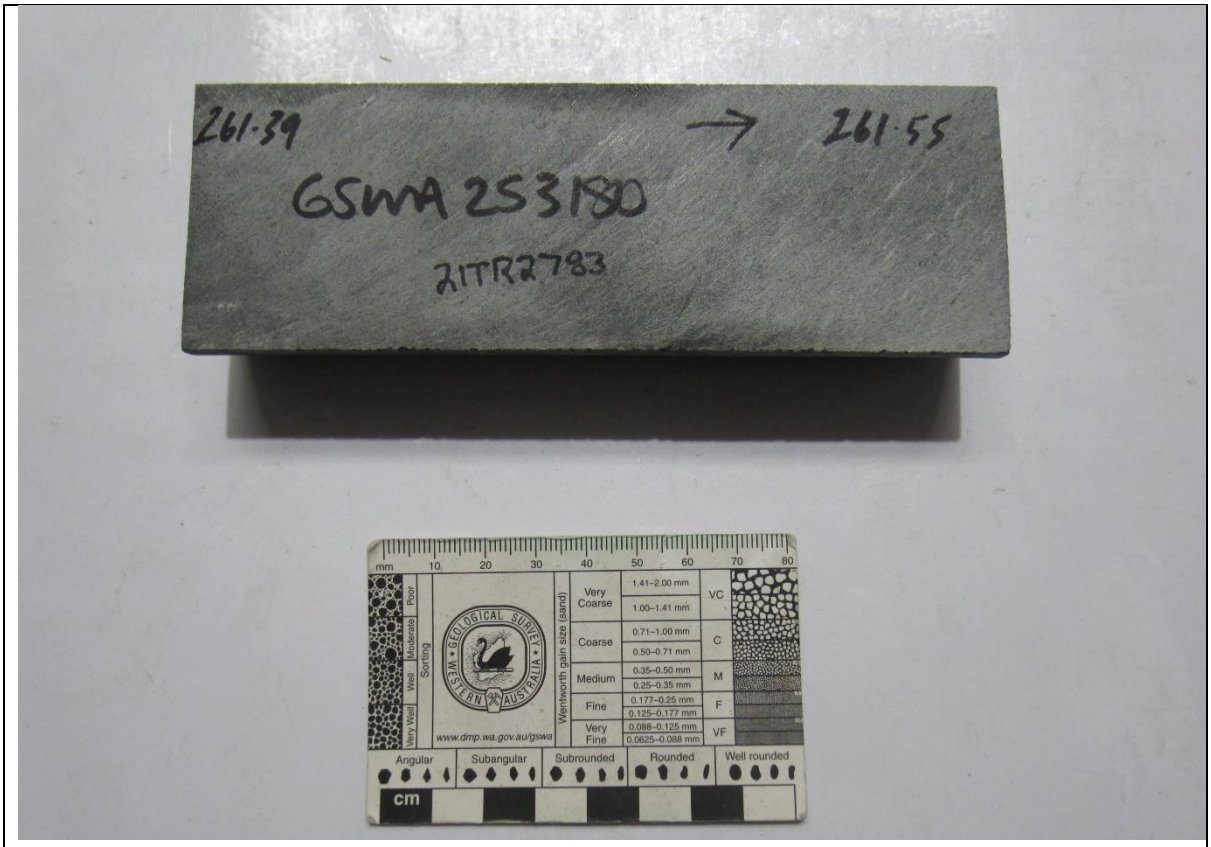


Terra ID: 21TR2779 Sample ID: 253176 Drillhole ID: 17DHDD0016 Depth Range: 240.65-240.8 m

Terra ID: 21TR2780 Sample ID: 253177 Drillhole ID: 17DHDD0016 Depth Range: 244.85-245 m

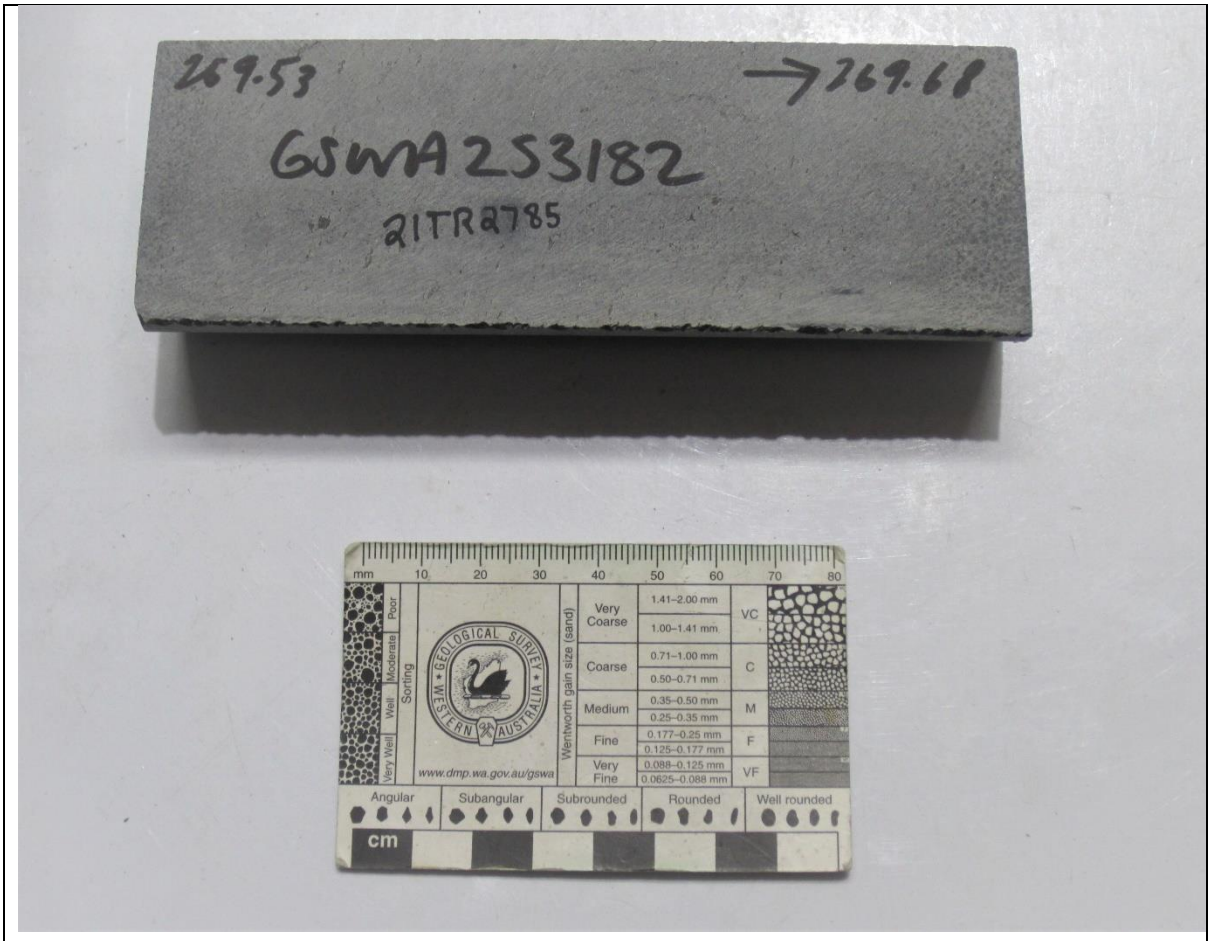
Terra ID: 21TR2781 Sample ID: 253178 Drillhole ID: 17DHDD0016 Depth Range: 245.85-246 m

Terra ID: 21TR2782 Sample ID: 253179 Drillhole ID: 17DHDD0016 Depth Range: 259-259.15 m



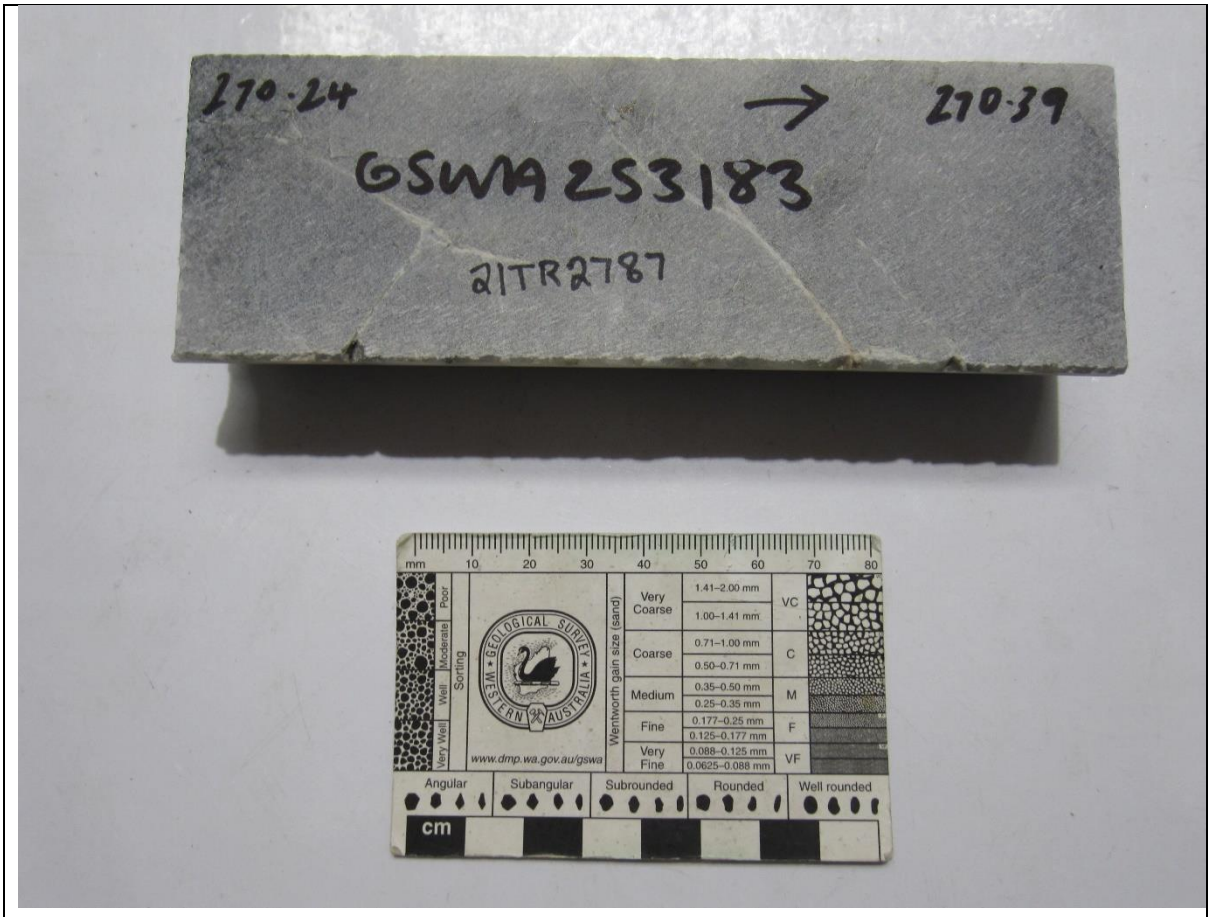
Terra ID: 21TR2783 Sample ID: 253180 Drillhole ID: 17DHDD0016 Depth Range: 261.39-261.55 m

Terra ID: 21TR2784 Sample ID: 253181 Drillhole ID: 17DHDD0016 Depth Range: 268.63-268.78 m



Terra ID: 21TR2785 Sample ID: 253182 Drillhole ID: 17DHDD0016 Depth Range: 269.53-269.68 m

Terra ID: 21TR2786 Sample ID: 253214 Drillhole ID: 17DHDD0016 Depth Range: 270.24-270.39 m



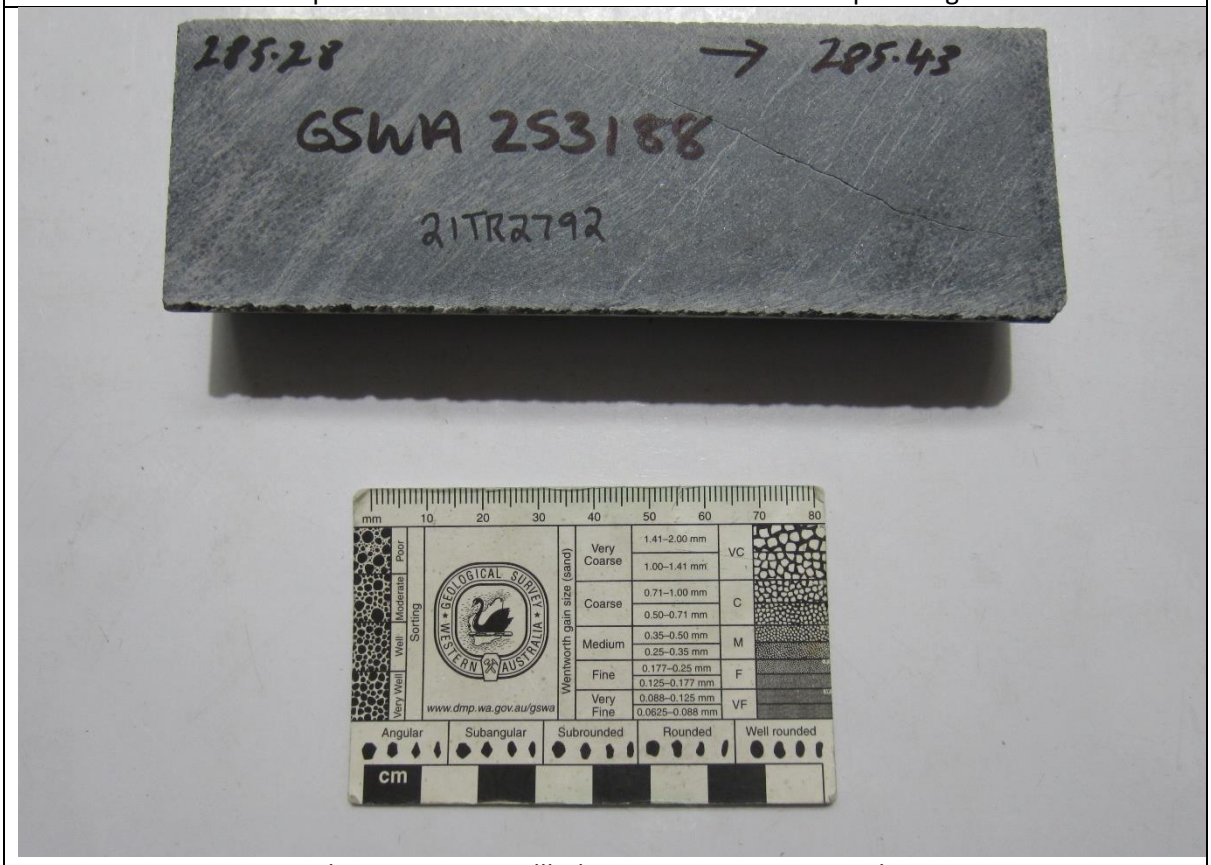
Terra ID: 21TR2787 Sample ID: 253183 Drillhole ID: 17DHDD0016 Depth Range: 270.1-270.24 m

Terra ID: 21TR2788 Sample ID: 253184 Drillhole ID: 17DHDD0016 Depth Range: 272.63-272.78 m

Terra ID: 21TR2789 Sample ID: 253185 Drillhole ID: 17DHDD0016 Depth Range: 274.25-274.4 m

Terra ID: 21TR2790 Sample ID: 253186 Drillhole ID: 17DHDD0016 Depth Range: 278.02-278.17 m

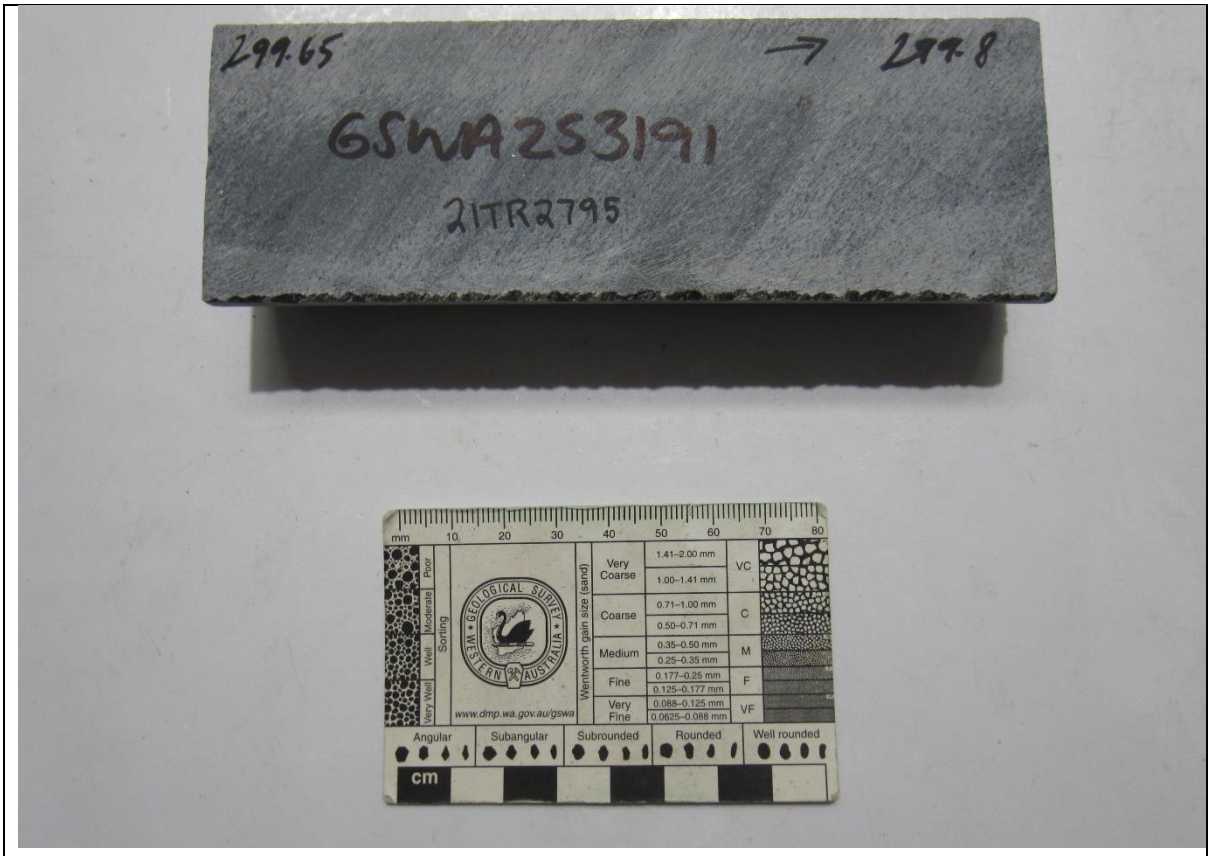
Terra ID: 21TR2791 Sample ID: 253187 Drillhole ID: 17DHDD0016 Depth Range: 279.33-279.48 m



Terra ID: 21TR2792 Sample ID: 253188 Drillhole ID: 17DHDD0016 Depth Range: 285.28-285.43 m

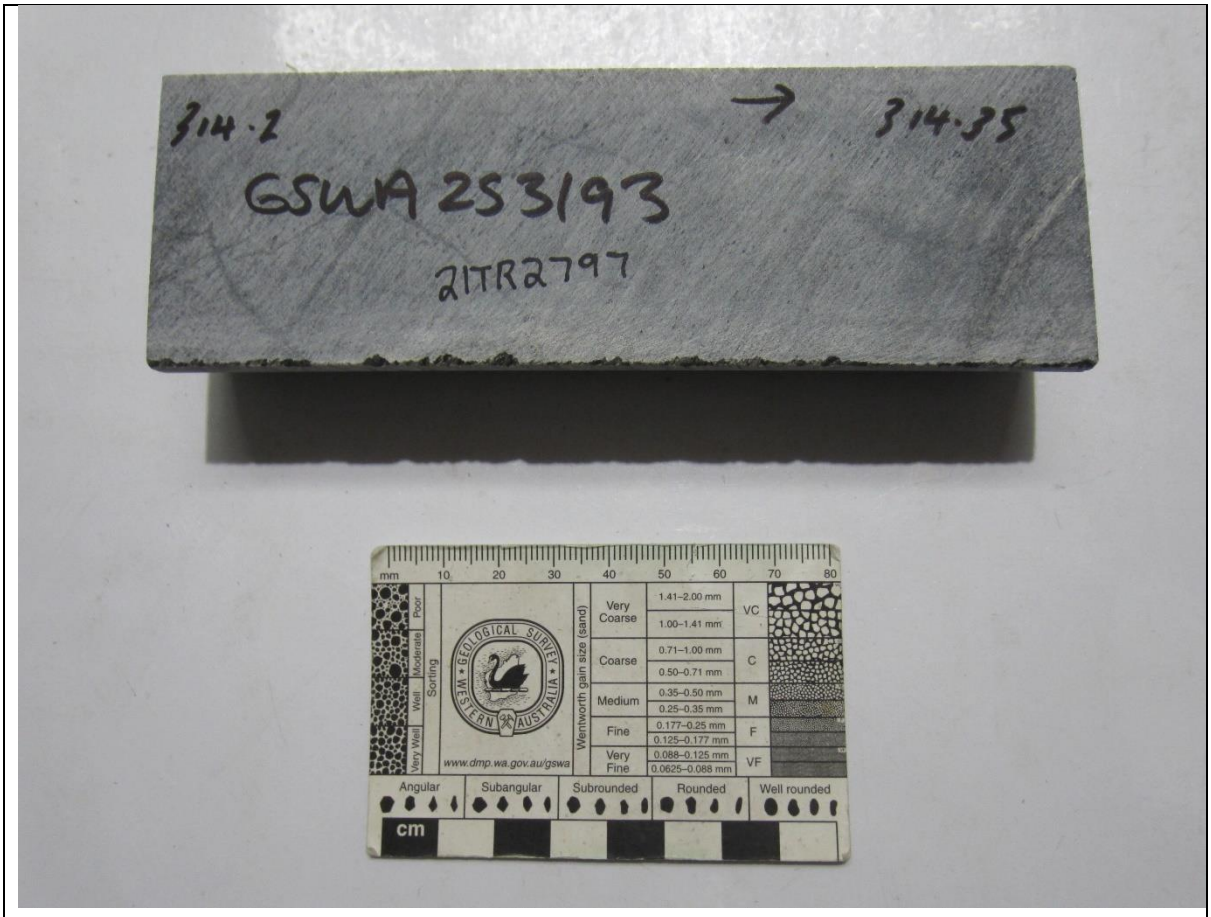
Terra ID: 21TR2793 Sample ID: 253189 Drillhole ID: 17DHDD0016 Depth Range: 293.65-293.8 m

Terra ID: 21TR2794 Sample ID: 253190 Drillhole ID: 17DHDD0016 Depth Range: 299.32-299.47 m



Terra ID: 21TR2795 Sample ID: 253191 Drillhole ID: 17DHDD0016 Depth Range: 299.65-299.8 m

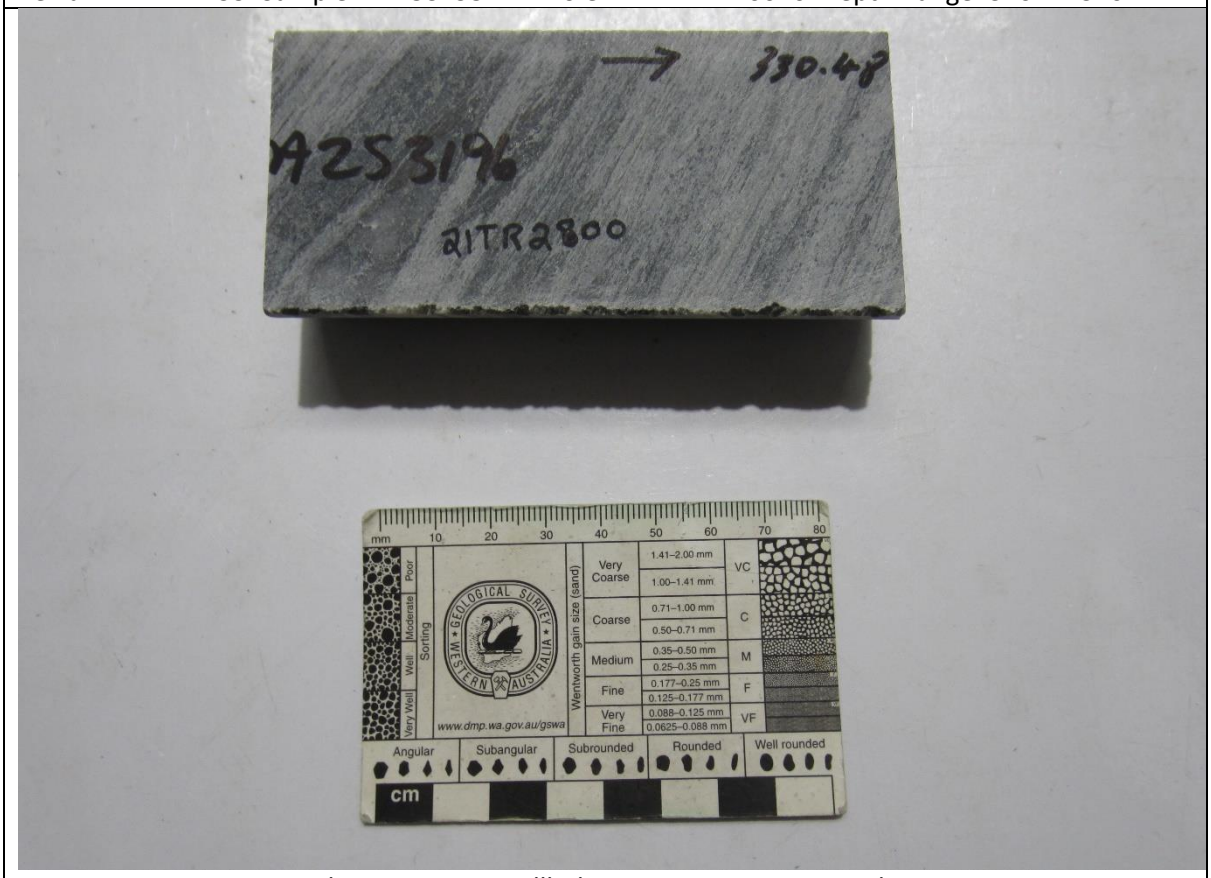
Terra ID: 21TR2796 Sample ID: 253192 Drillhole ID: 17DHDD0016 Depth Range: 307.15-307.3 m



Terra ID: 21TR2797 Sample ID: 253193 Drillhole ID: 17DHDD0016 Depth Range: 314.2-314.35 m

Terra ID: 21TR2798 Sample ID: 253194 Drillhole ID: 17DHDD0016 Depth Range: 317.75-317.9 m

Terra ID: 21TR2799 Sample ID: 253195 Drillhole ID: 17DHDD0016 Depth Range: 326.27-326.42 m



Terra ID: 21TR2800 Sample ID: 253196 Drillhole ID: 17DHDD0016 Depth Range: 330.33-330.48 m

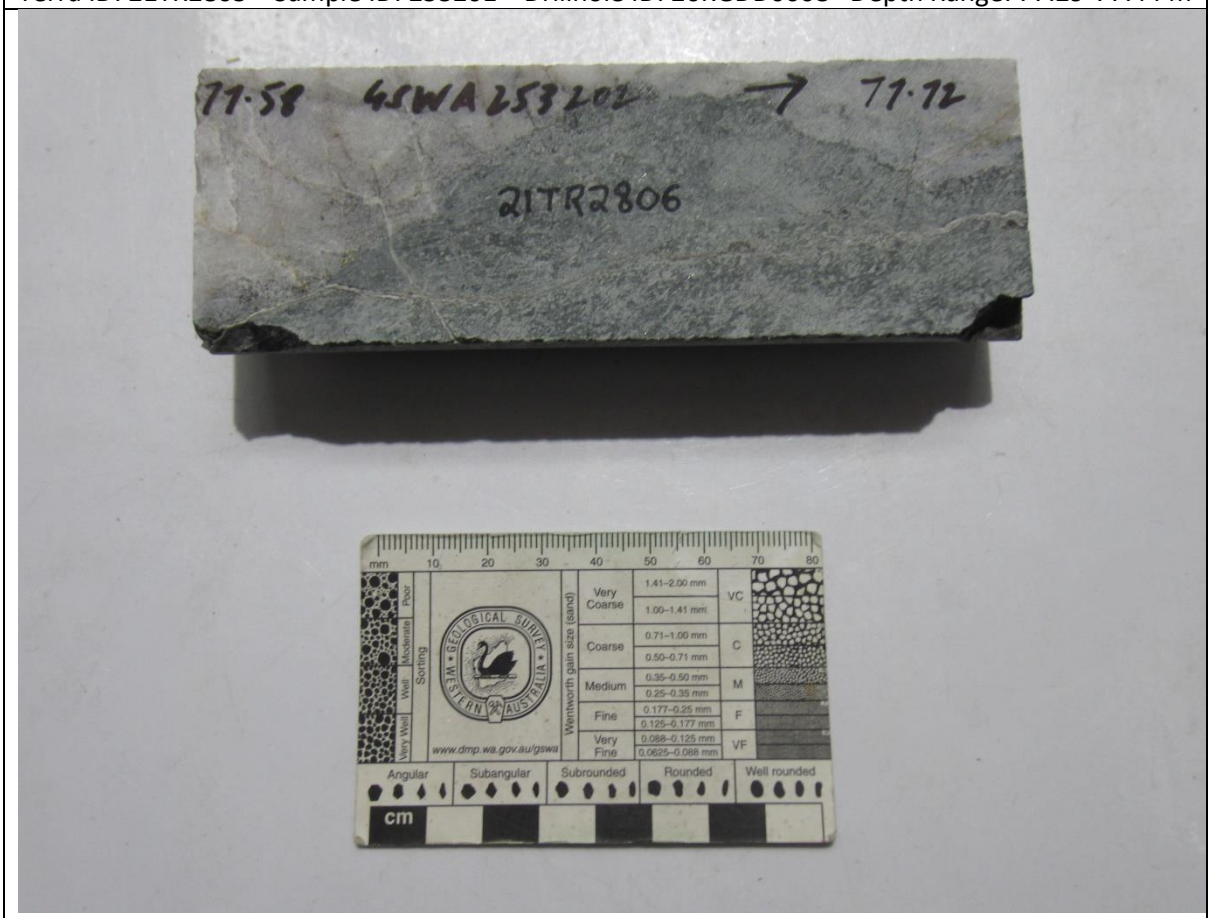
Terra ID: 21TR2801 Sample ID: 253197 Drillhole ID: 17DHDD0016 Depth Range: 333.85-334 m

Terra ID: 21TR2802 Sample ID: 253198 Drillhole ID: 17DHDD0016 Depth Range: 336.42-336.57 m

Terra ID: 21TR2803 Sample ID: 253199 Drillhole ID: 20KGDD0008 Depth Range: 61.86-62.01 m

Terra ID: 21TR2804 Sample ID: 253200 Drillhole ID: 20KGDD0008 Depth Range: 72.77-72.92 m

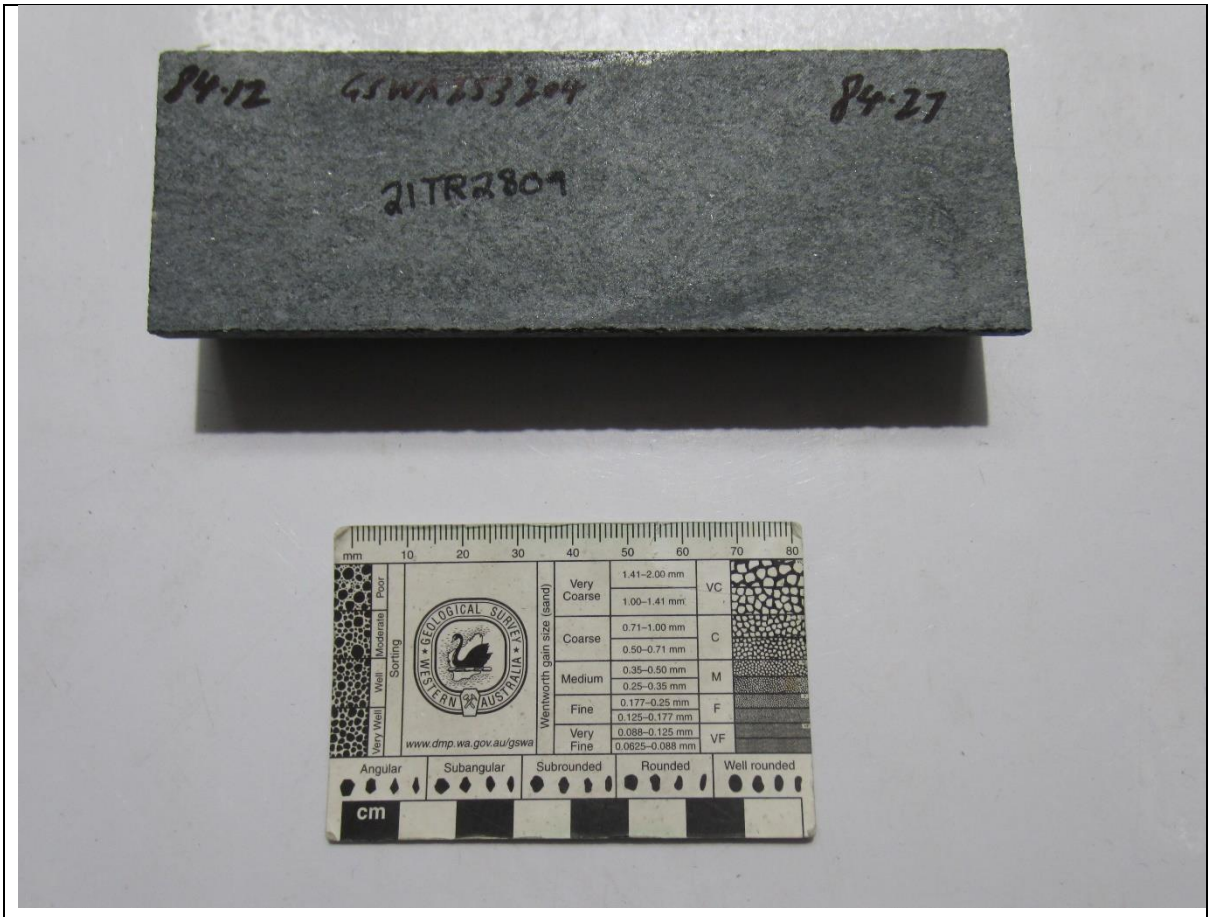
Terra ID: 21TR2805 Sample ID: 253201 Drillhole ID: 20KGDD0008 Depth Range: 77.29-77.44 m



Terra ID: 21TR2806 Sample ID: 253202 Drillhole ID: 20KGDD0008 Depth Range: 77.58-77.73 m

Terra ID: 21TR2807 Sample ID: 253216 Drillhole ID: 20KGDD0008 Depth Range: 78.91-79.03 m

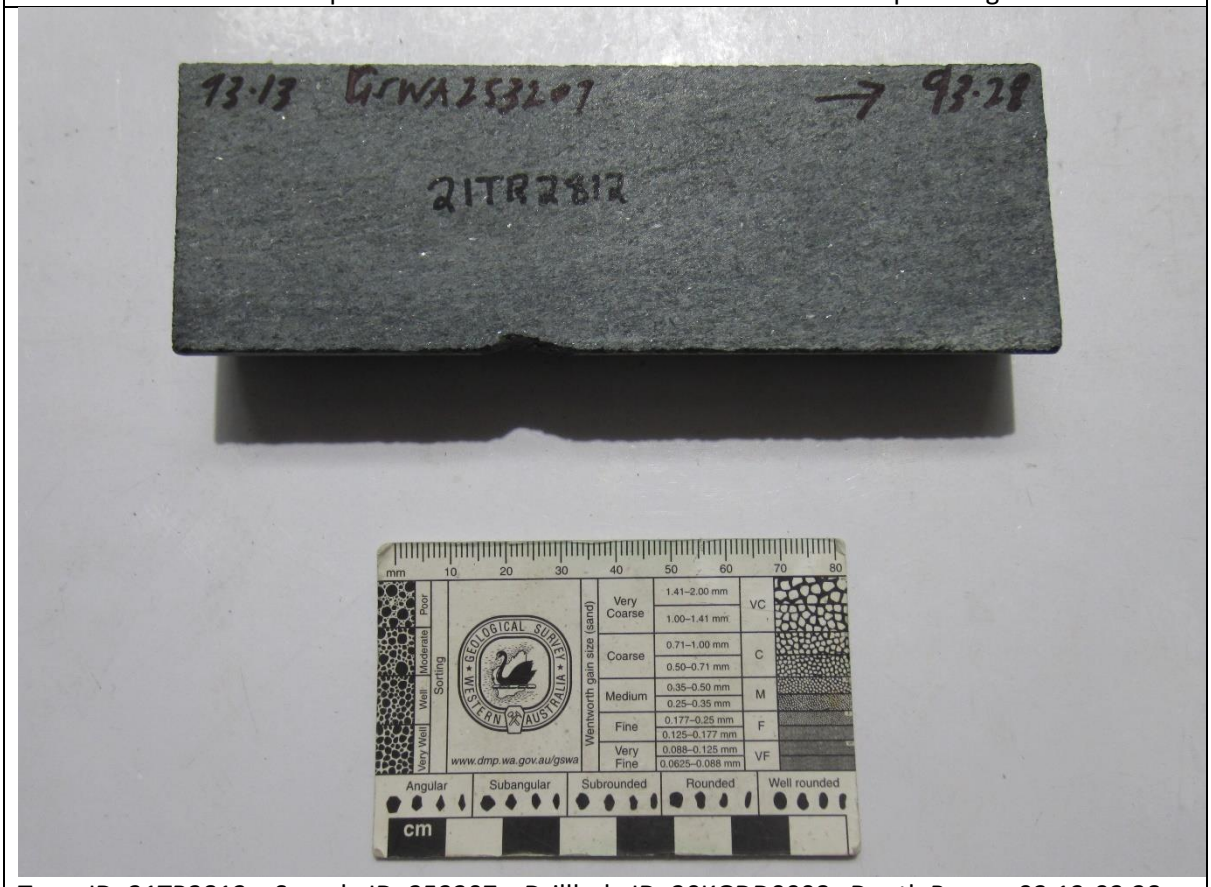
Terra ID: 21TR2808 Sample ID: 253203 Drillhole ID: 20KGDD0008 Depth Range: 81.62-81.77 m



Terra ID: 21TR2809 Sample ID: 253204 Drillhole ID: 20KGDD0008 Depth Range: 84.12-84.27 m

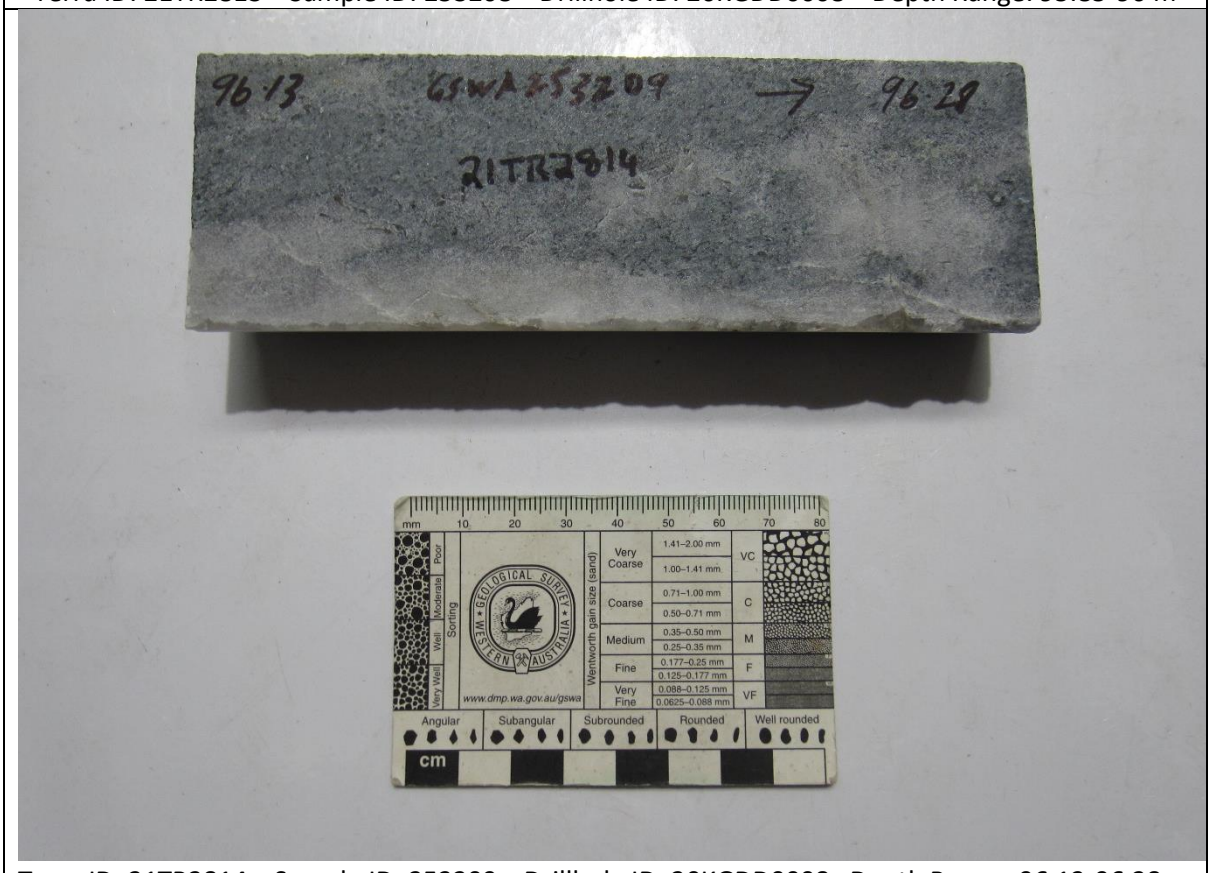
Terra ID: 21TR2810 Sample ID: 253205 Drillhole ID: 20KGDD0008 Depth Range: 87.85-88 m

Terra ID: 21TR2811 Sample ID: 253206 Drillhole ID: 20KGDD0008 Depth Range: 89.45-89.6 m



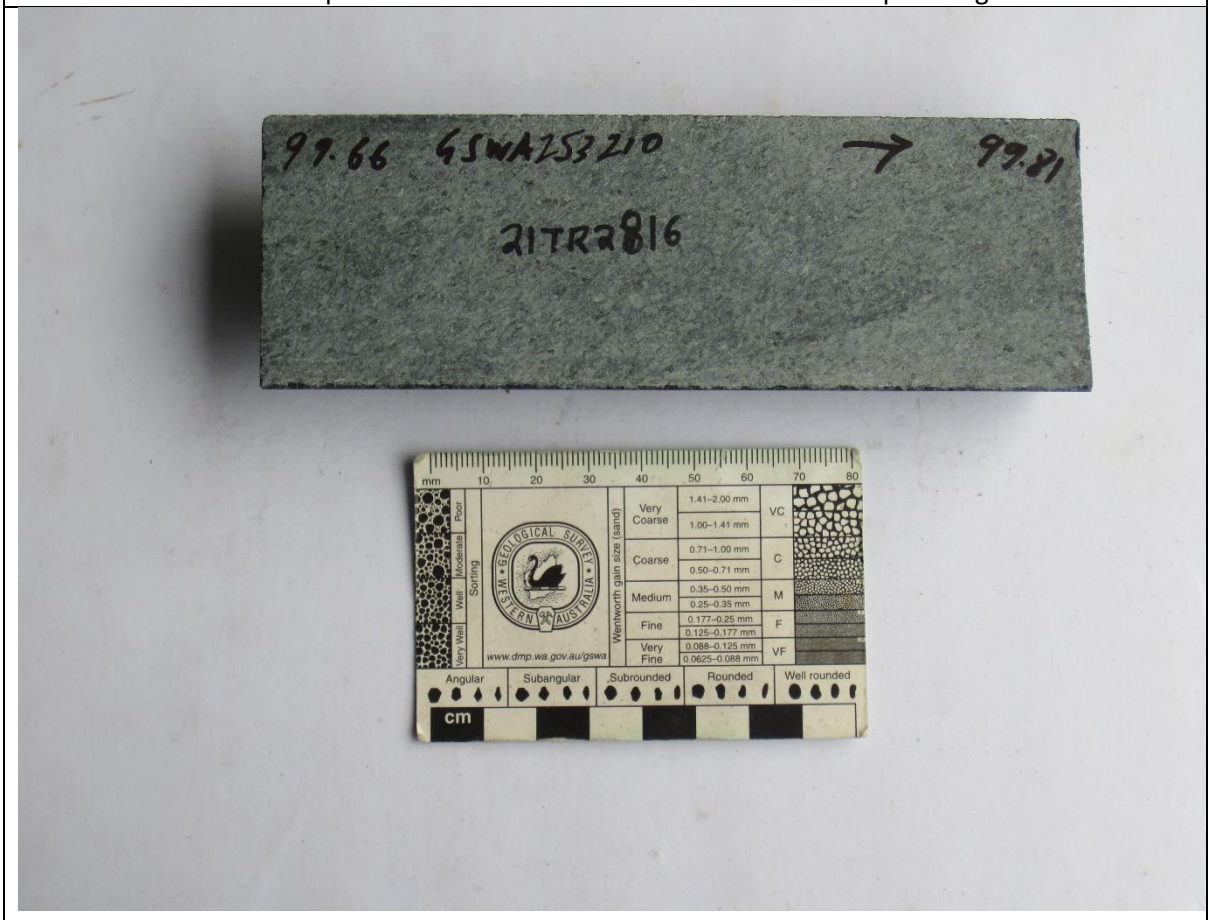
Terra ID: 21TR2812 Sample ID: 253207 Drillhole ID: 20KGDD0008 Depth Range: 93.13-93.28 m

Terra ID: 21TR2813 Sample ID: 253208 Drillhole ID: 20KGDD0008 Depth Range: 95.85-96 m

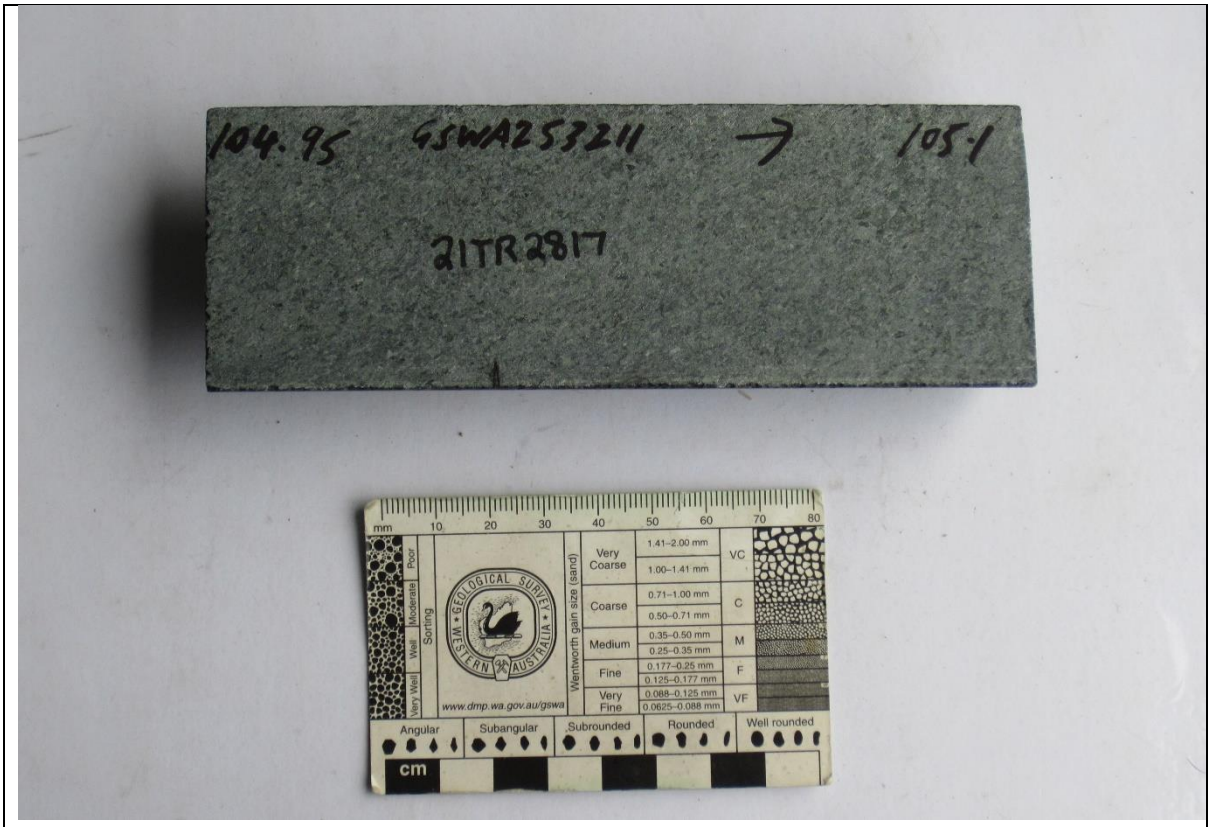


Terra ID: 21TR2814 Sample ID: 253209 Drillhole ID: 20KGDD0008 Depth Range: 96.13-96.28 m

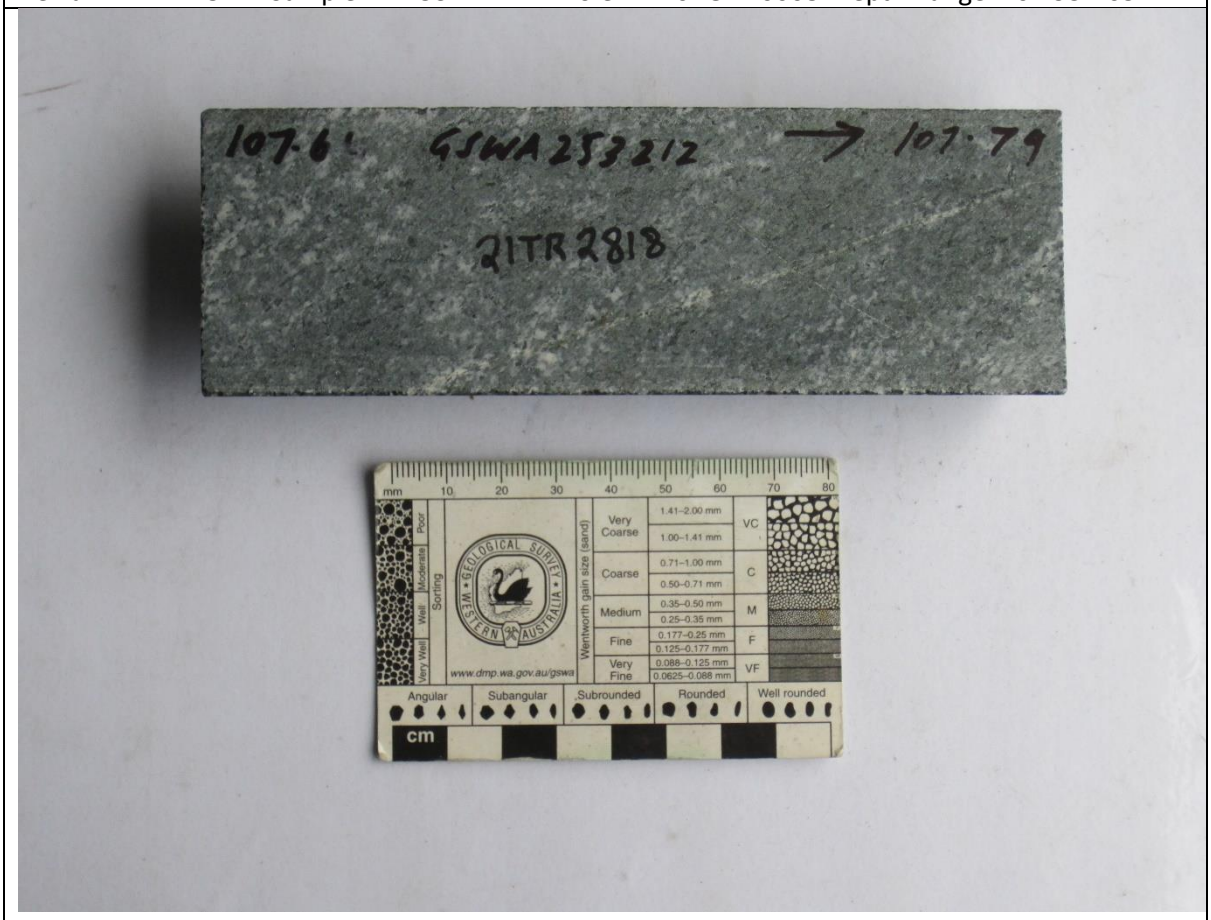
Terra ID: 21TR2815 Sample ID: 253256 Drillhole ID: 20KGDD0008 Depth Range: 96.78-96.93 m



Terra ID: 21TR2816 Sample ID: 253210 Drillhole ID: 20KGDD0008 Depth Range: 99.66-99.81 m

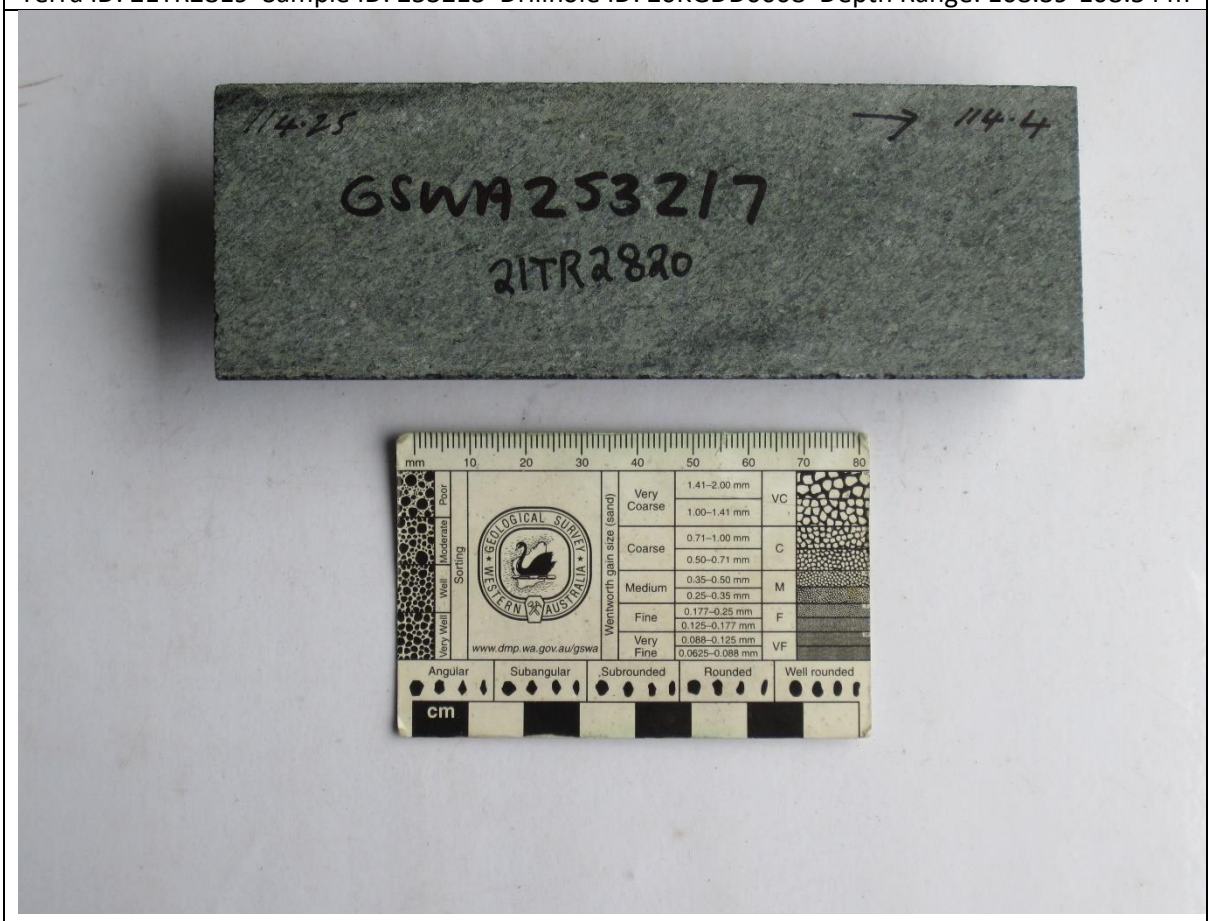


Terra ID: 21TR2817 Sample ID: 253211 Drillhole ID: 20KGDD0008 Depth Range: 104.95-105.1 m



Terra ID: 21TR2818 Sample ID: 253212 Drillhole ID: 20KGDD0008 Depth Range: 107.6-107.79 m

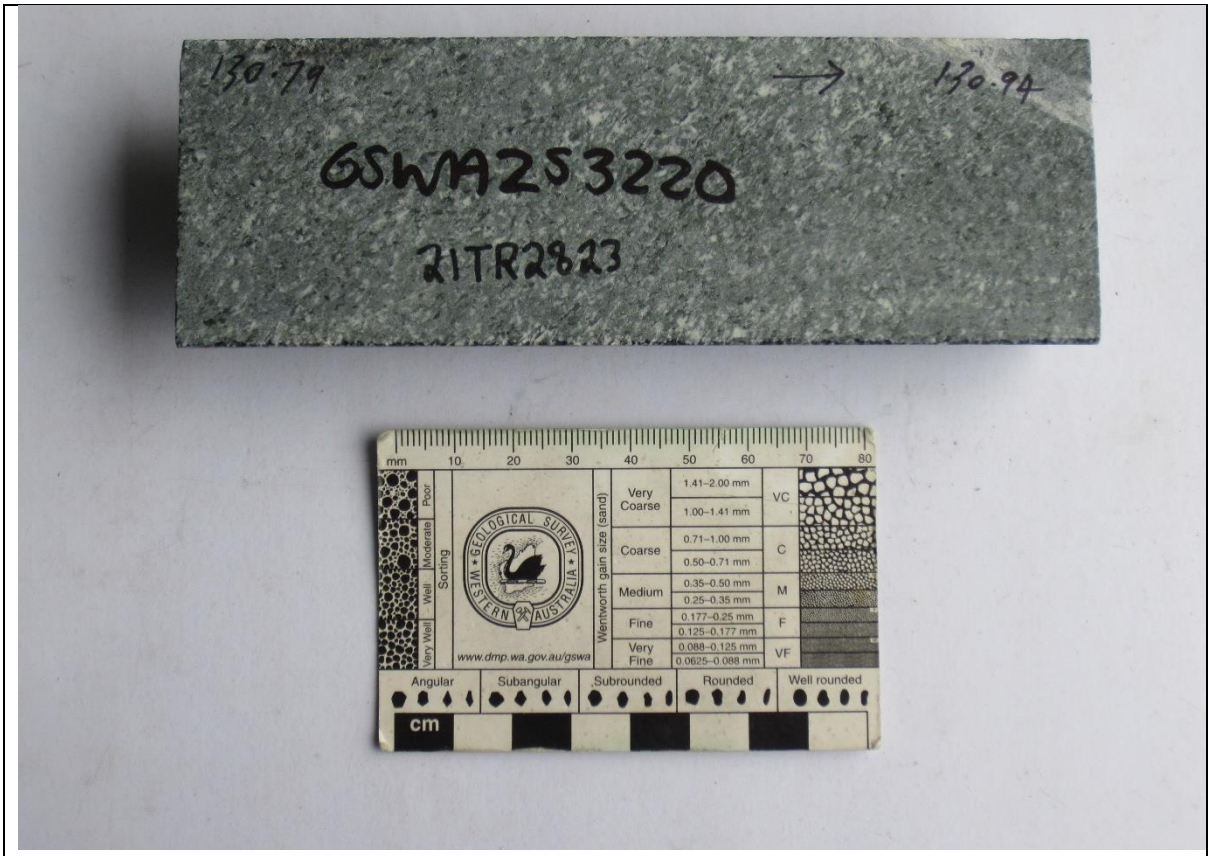
Terra ID: 21TR2819 Sample ID: 253213 Drillhole ID: 20KGDD0008 Depth Range: 108.39-108.54 m



Terra ID: 21TR2820 Sample ID: 253217 Drillhole ID: 20KGDD0008 Depth Range: 114.25-114.4 m

Terra ID: 21TR2821 Sample ID: 253218 Drillhole ID: 20KGDD0008 Depth Range: 120.9-121.05 m

Terra ID: 21TR2822 Sample ID: 253219 Drillhole ID: 20KGDD0008 Depth Range: 127.3-127.45 m



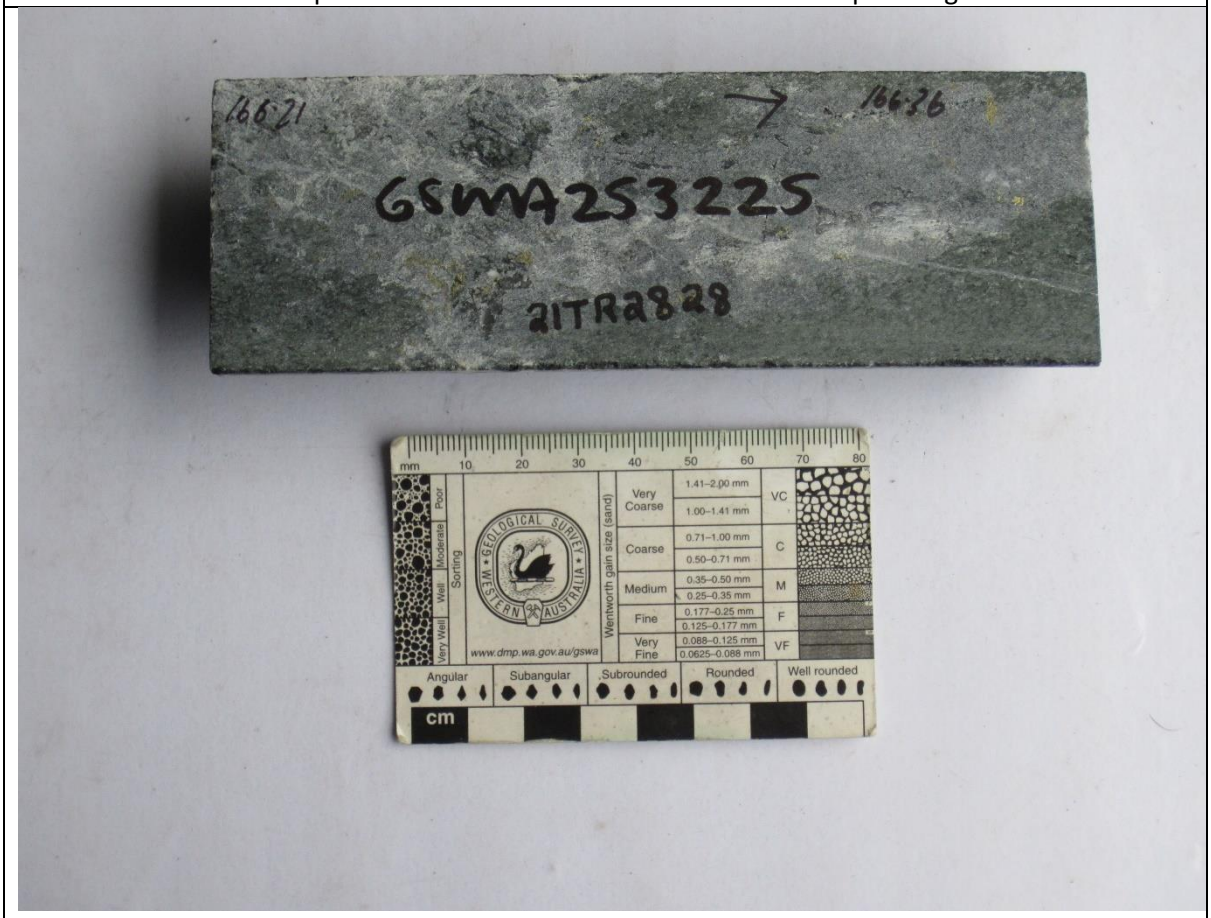
Terra ID: 21TR2823 Sample ID: 253220 Drillhole ID: 20KGDD0008 Depth Range: 130.79-130.94 m

Terra ID: 21TR2824 Sample ID: 253221 Drillhole ID: 20KGDD0008 Depth Range: 137.11-137.26 m

Terra ID: 21TR2825 Sample ID: 253222 Drillhole ID: 20KGDD0008 Depth Range: 146.25-146.4 m

Terra ID: 21TR2826 Sample ID: 253223 Drillhole ID: 20KGDD0008 Depth Range: 153.36-153.51 m

Terra ID: 21TR2827 Sample ID: 253224 Drillhole ID: 20KGDD0008 Depth Range: 162.21-162.36 m

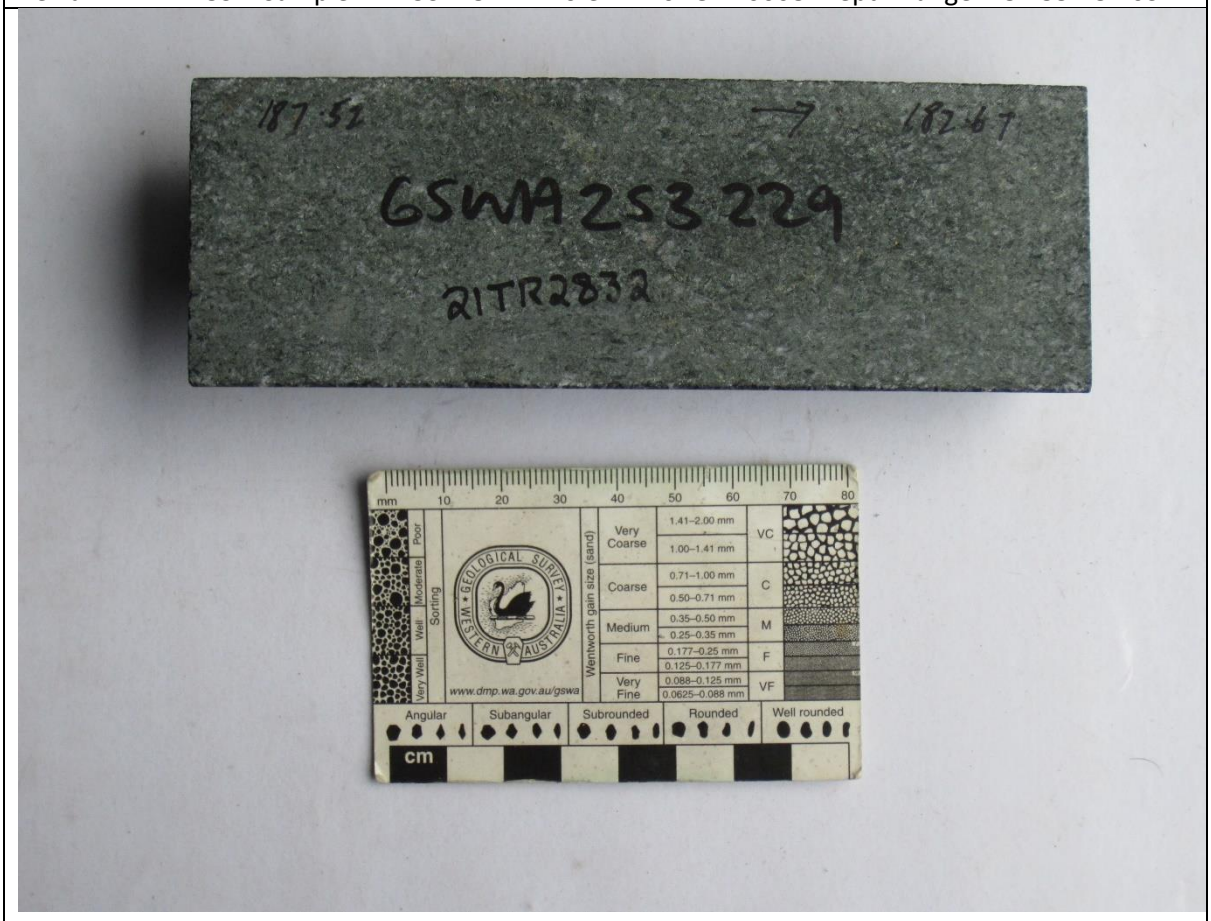


Terra ID: 21TR2828 Sample ID: 253225 Drillhole ID: 20KGDD0008 Depth Range: 166.21-166.36 m

Terra ID: 21TR2829 Sample ID: 253226 Drillhole ID: 20KGDD0008 Depth Range: 171.1-171.25 m

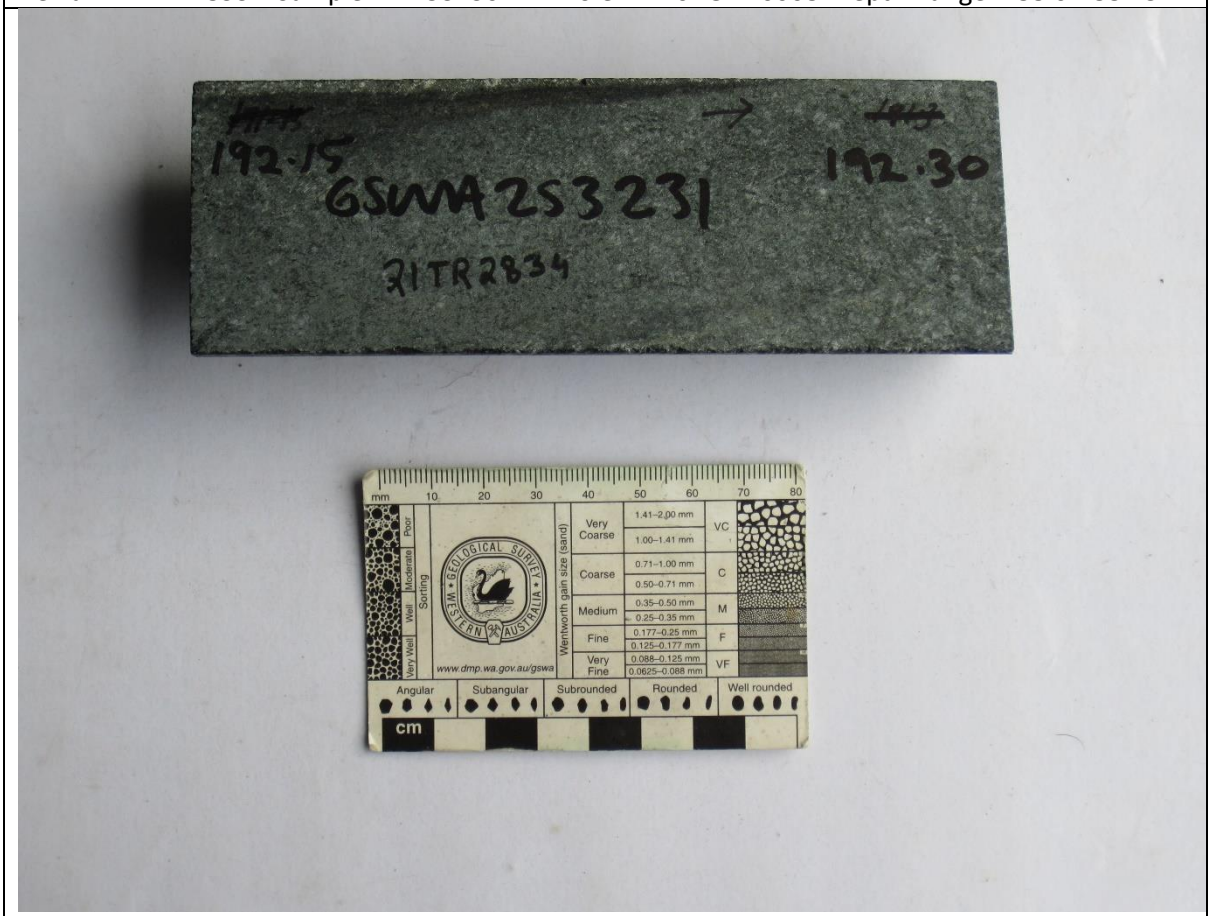
Terra ID: 21TR2830 Sample ID: 253227 Drillhole ID: 20KGDD0008 Depth Range: 172.87-173.02 m

Terra ID: 21TR2831 Sample ID: 253228 Drillhole ID: 20KGDD0008 Depth Range: 181.88-182.03 m



Terra ID: 21TR2832 Sample ID: 253229 Drillhole ID: 20KGDD0008 Depth Range: 187.52-187.67 m

Terra ID: 21TR2833 Sample ID: 253230 Drillhole ID: 20KGDD0008 Depth Range: 188.6-188.75 m



Terra ID: 21TR2834 Sample ID: 253231 Drillhole ID: 20KGDD0008 Depth Range: 192.15-192.3 m

Terra ID: 21TR2835 Sample ID: 253232 Drillhole ID: 20KGDD0008 Depth Range: 195.95-196.1 m

Terra ID: 21TR2836 Sample ID: 253233 Drillhole ID: 20KGDD0008 Depth Range: 200.17-200.32 m

Terra ID: 21TR2837 Sample ID: 253234 Drillhole ID: 20KGDD0008 Depth Range: 206.5-206.65 m

Terra ID: 21TR2838 Sample ID: 253235 Drillhole ID: 20KGDD0008 Depth Range: 211.96-212.11 m

Terra ID: 21TR2839 Sample ID: 253236 Drillhole ID: 20KGDD0008 Depth Range: 214.71-214.86 m

Terra ID: 21TR2840 Sample ID: 253237 Drillhole ID: 20KGDD0008 Depth Range: 218.91-219.06 m

Terra ID: 21TR2841 Sample ID: 253238 Drillhole ID: 20KGDD0008 Depth Range: 222.17-222.32 m

Terra ID: 21TR2842 Sample ID: 253239 Drillhole ID: 20KGDD0008 Depth Range: 226.35-226.5 m

Terra ID: 21TR2843 Sample ID: 253240 Drillhole ID: 20KGDD0008 Depth Range: 233.18-233.33 m

Terra ID: 21TR2844 Sample ID: 253241 Drillhole ID: 20KGDD0008 Depth Range: 234.75-234.9 m

Terra ID: 21TR2845 Sample ID: 253242 Drillhole ID: 20KGDD0008 Depth Range: 239.73-239.88 m

Terra ID: 21TR2846 Sample ID: 253243 Drillhole ID: 20KGDD0008 Depth Range: 243.89-244.04 m

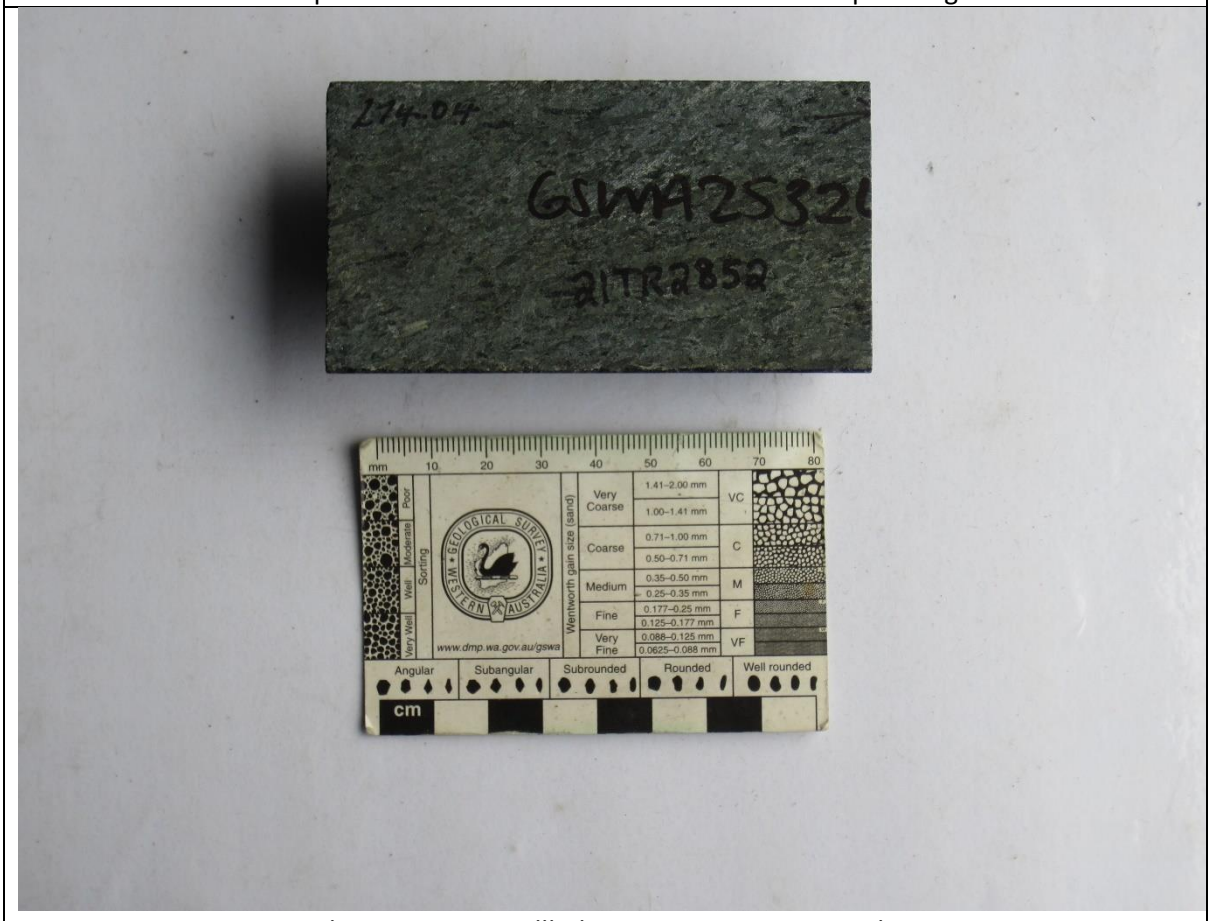
Terra ID: 21TR2847 Sample ID: 253244 Drillhole ID: 20KGDD0008 Depth Range: 252.23-252.38 m

Terra ID: 21TR2848 Sample ID: 253245 Drillhole ID: 20KGDD0008 Depth Range: 252.63-252.78 m

Terra ID: 21TR2849 Sample ID: 253246 Drillhole ID: 20KGDD0008 Depth Range: 257.67-257.82 m

Terra ID: 21TR2850 Sample ID: 253247 Drillhole ID: 20KGDD0008 Depth Range: 263.95-264.1 m

Terra ID: 21TR2851 Sample ID: 253248 Drillhole ID: 20KGDD0008 Depth Range: 266.01-266.16 m



Terra ID: 21TR2852 Sample ID: 253249 Drillhole ID: 20KGDD0008 Depth Range: 274.04-274.19 m

Terra ID: 21TR2853 Sample ID: 253250 Drillhole ID: 20KGDD0008 Depth Range: 277.68-277.83 m

Terra ID: 21TR2854 Sample ID: 253251 Drillhole ID: 20KGDD0008 Depth Range: 282.45-282.6 m

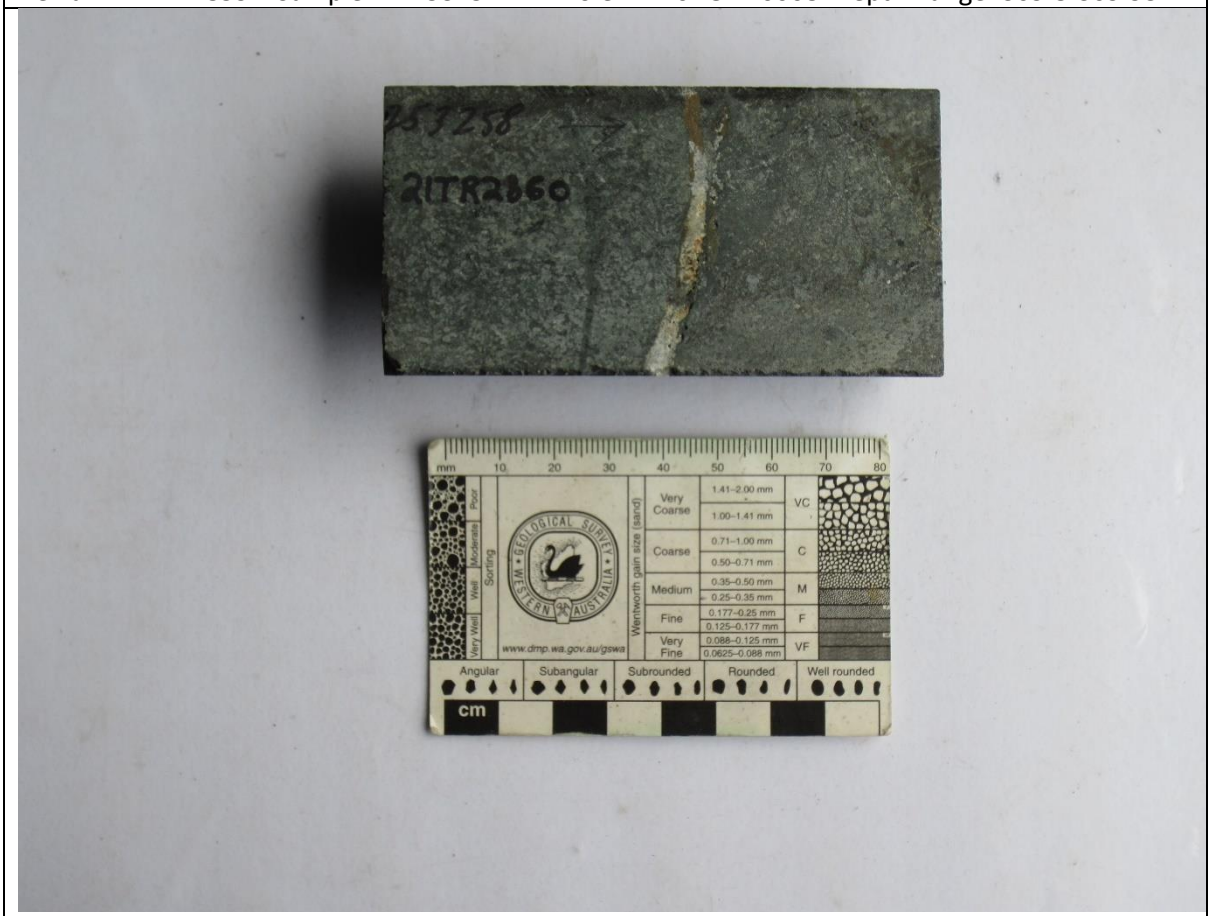
Terra ID: 21TR2855 Sample ID: 253252 Drillhole ID: 20KGDD0008 Depth Range: 287.67-287.81 m

Terra ID: 21TR2856 Sample ID: 253253 Drillhole ID: 20KGDD0008 Depth Range: 296.28-296.43 m

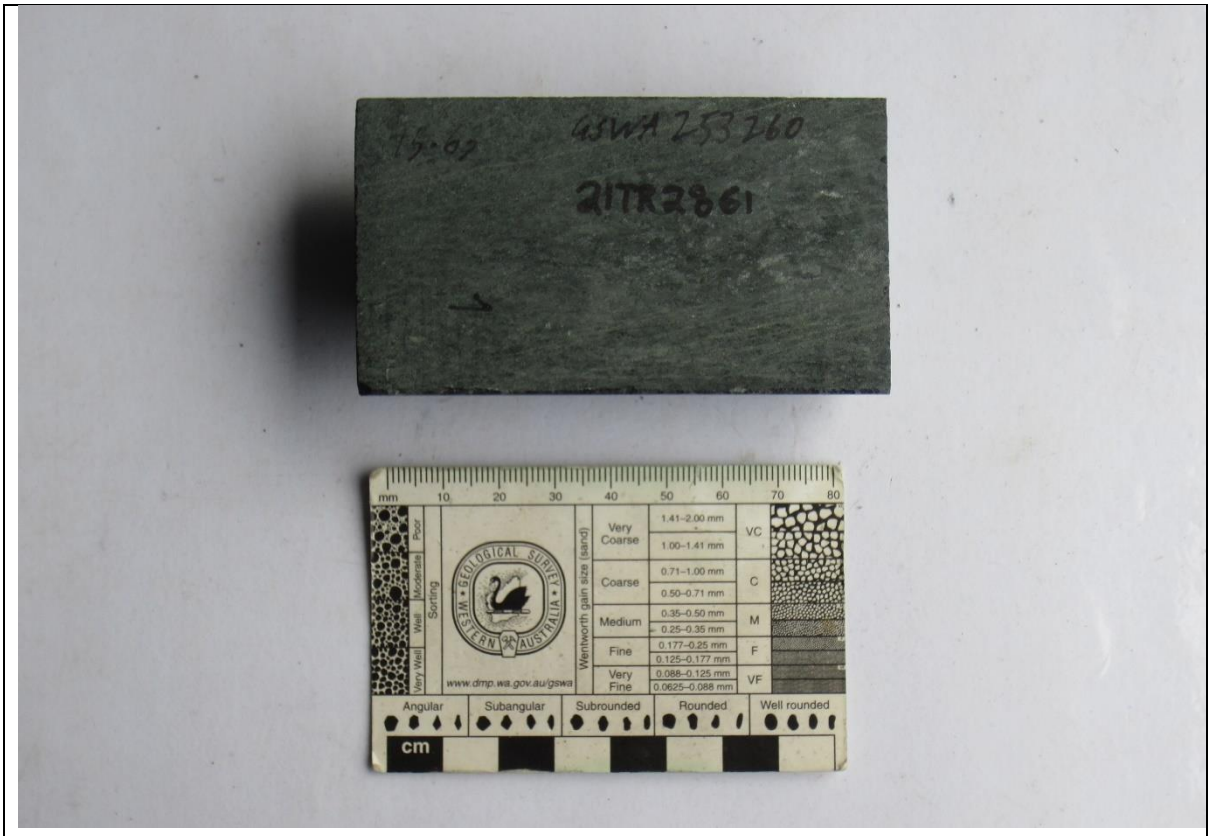
Terra ID: 21TR2857 Sample ID: 253254 Drillhole ID: 20KGDD0008 Depth Range: 299.77-299.92 m

Terra ID: 21TR2858 Sample ID: 253255 Drillhole ID: 20KGDD0008 Depth Range: 303.69-303.84 m

Terra ID: 21TR2859 Sample ID: 253257 Drillhole ID: 20KGDD0008 Depth Range: 309.8-309.95 m



Terra ID: 21TR2860 Sample ID: 253258 Drillhole ID: 20KGDD0008 Depth Range: 311.38-311.53 m



Terra ID: 21TR2861 Sample ID: 253260 Drillhole ID: 20KGDD0008 Depth Range: 315.63-315.78 m

Terra ID: 21TR2862 Sample ID: 253261 Drillhole ID: 20KGDD0008 Depth Range: 320.4-320.55 m

Terra ID: 21TR2863 Sample ID: 253262 Drillhole ID: 20KGDD0008 Depth Range: 322-322.15 m

Terra ID: 21TR2864 Sample ID: 253263 Drillhole ID: 20KGDD0008 Depth Range: 327.2-327.35 m

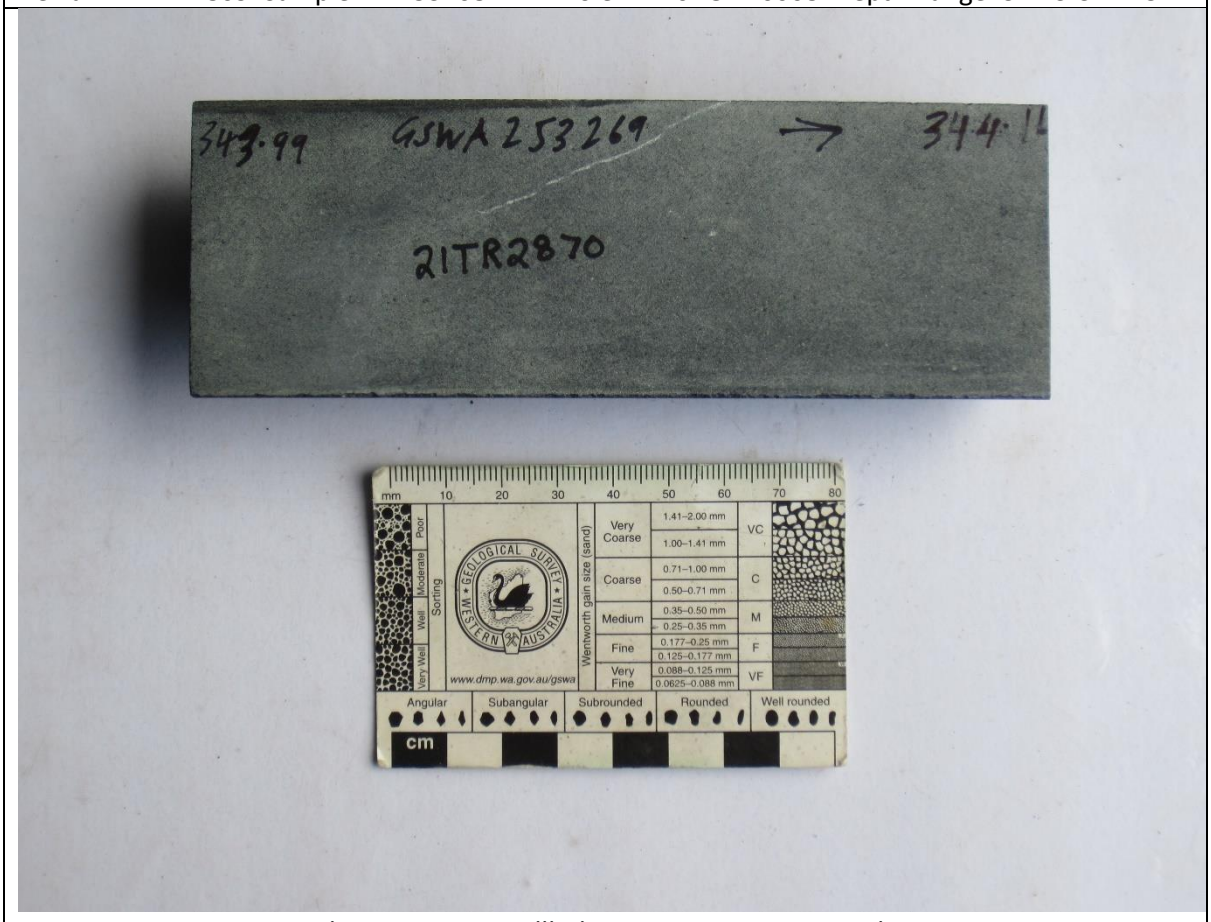
Terra ID: 21TR2865 Sample ID: 253264 Drillhole ID: 20KGDD0008 Depth Range: 328.85-329 m

Terra ID: 21TR2866 Sample ID: 253265 Drillhole ID: 20KGDD0008 Depth Range: 330.79-330.94 m

Terra ID: 21TR2867 Sample ID: 253266 Drillhole ID: 20KGDD0008 Depth Range: 338.01-338.16 m

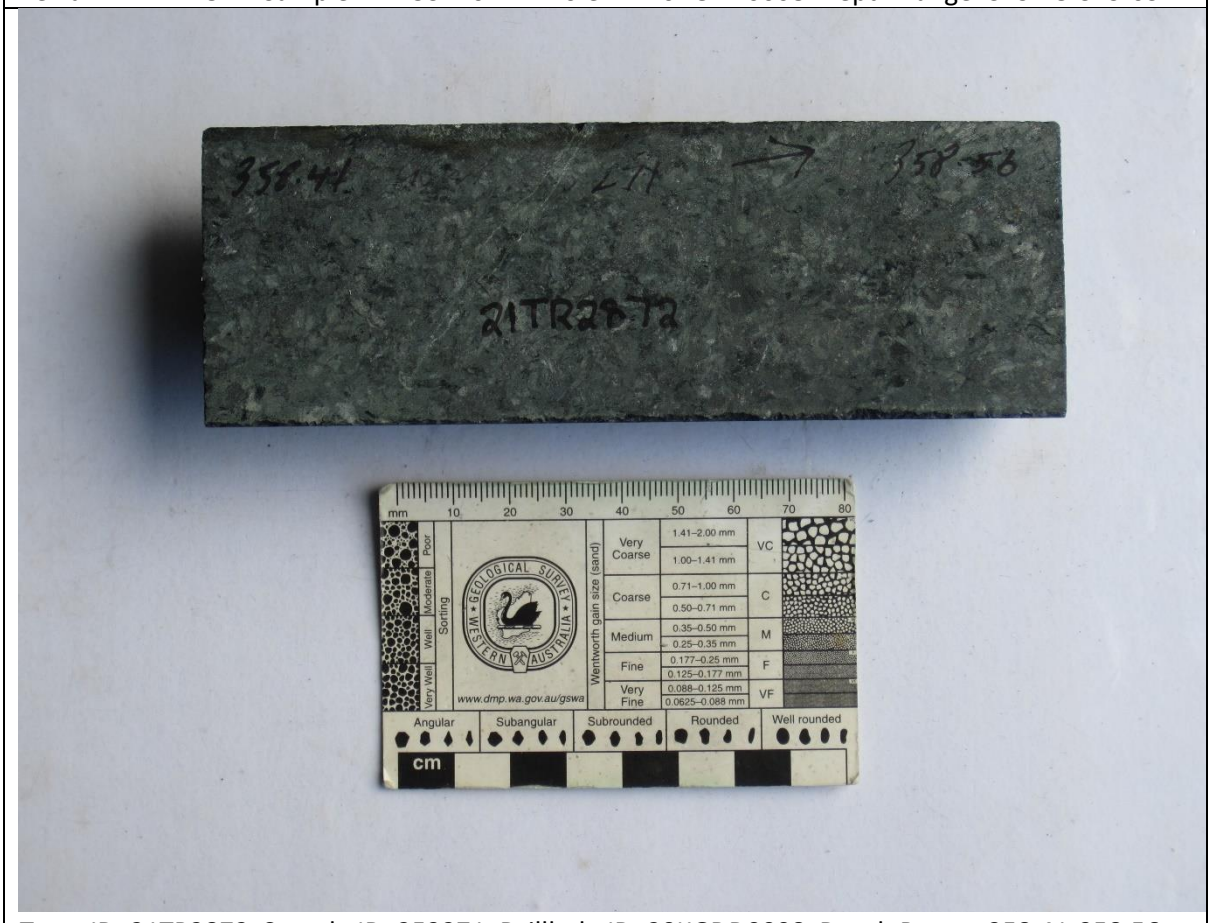
Terra ID: 21TR2868 Sample ID: 253267 Drillhole ID: 20KGDD0008 Depth Range: 339.19-339.34 m

Terra ID: 21TR2869 Sample ID: 253268 Drillhole ID: 20KGDD0008 Depth Range: 341.3-341.45 m

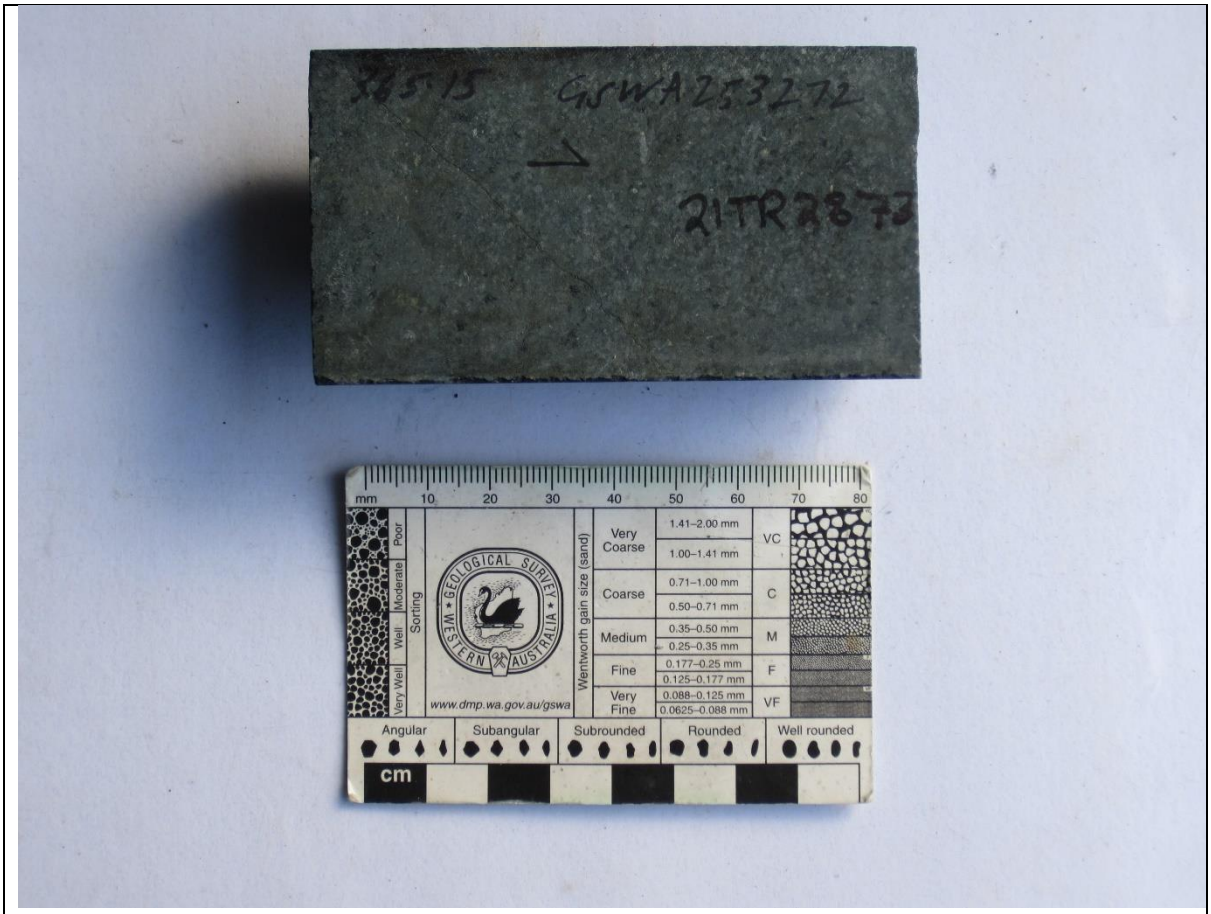


Terra ID: 21TR2870 Sample ID: 253269 Drillhole ID: 20KGDD0008 Depth Range: 343.99-344.14 m

Terra ID: 21TR2871 Sample ID: 253270 Drillhole ID: 20KGDD0008 Depth Range: 349.48-349.63 m

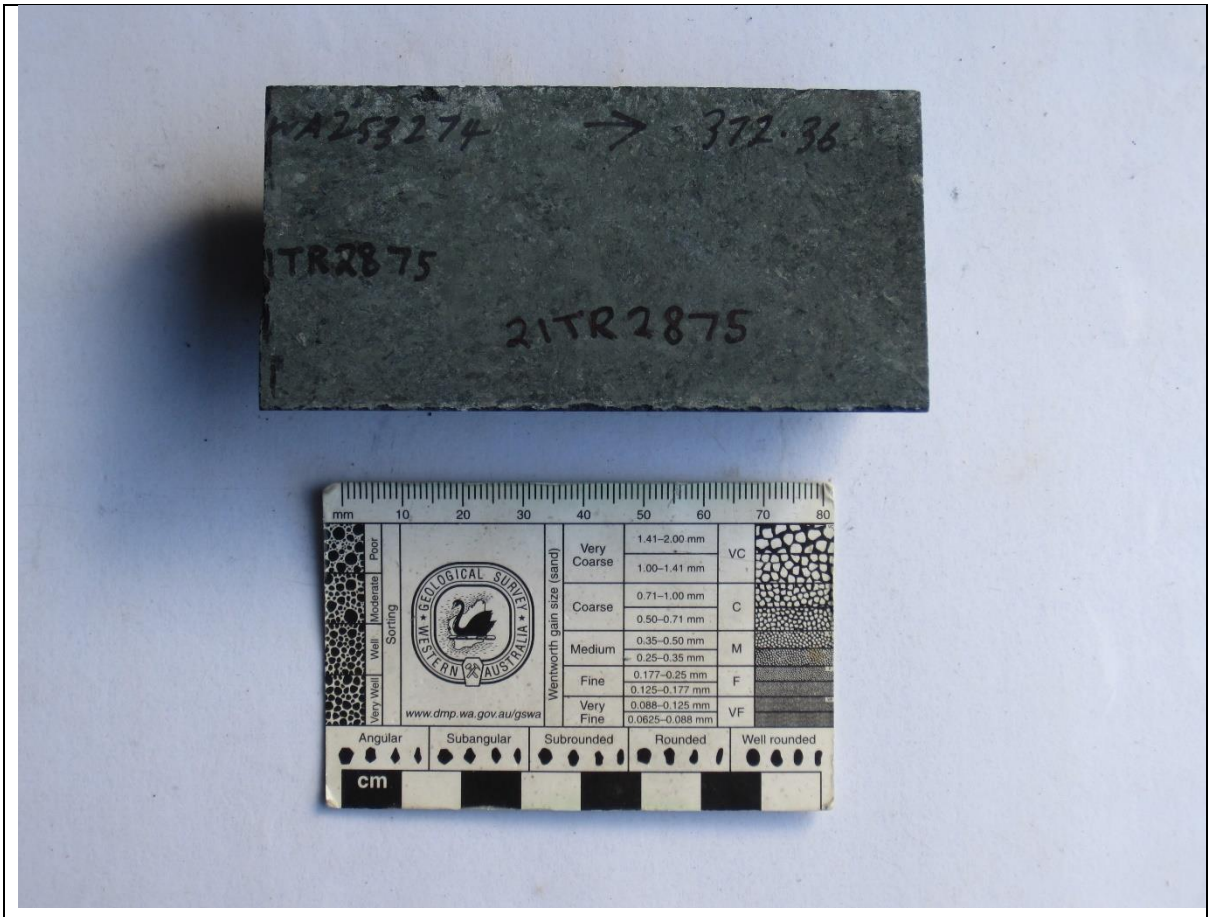


Terra ID: 21TR2872 Sample ID: 253271 Drillhole ID: 20KGDD0008 Depth Range: 358.41-358.56 m



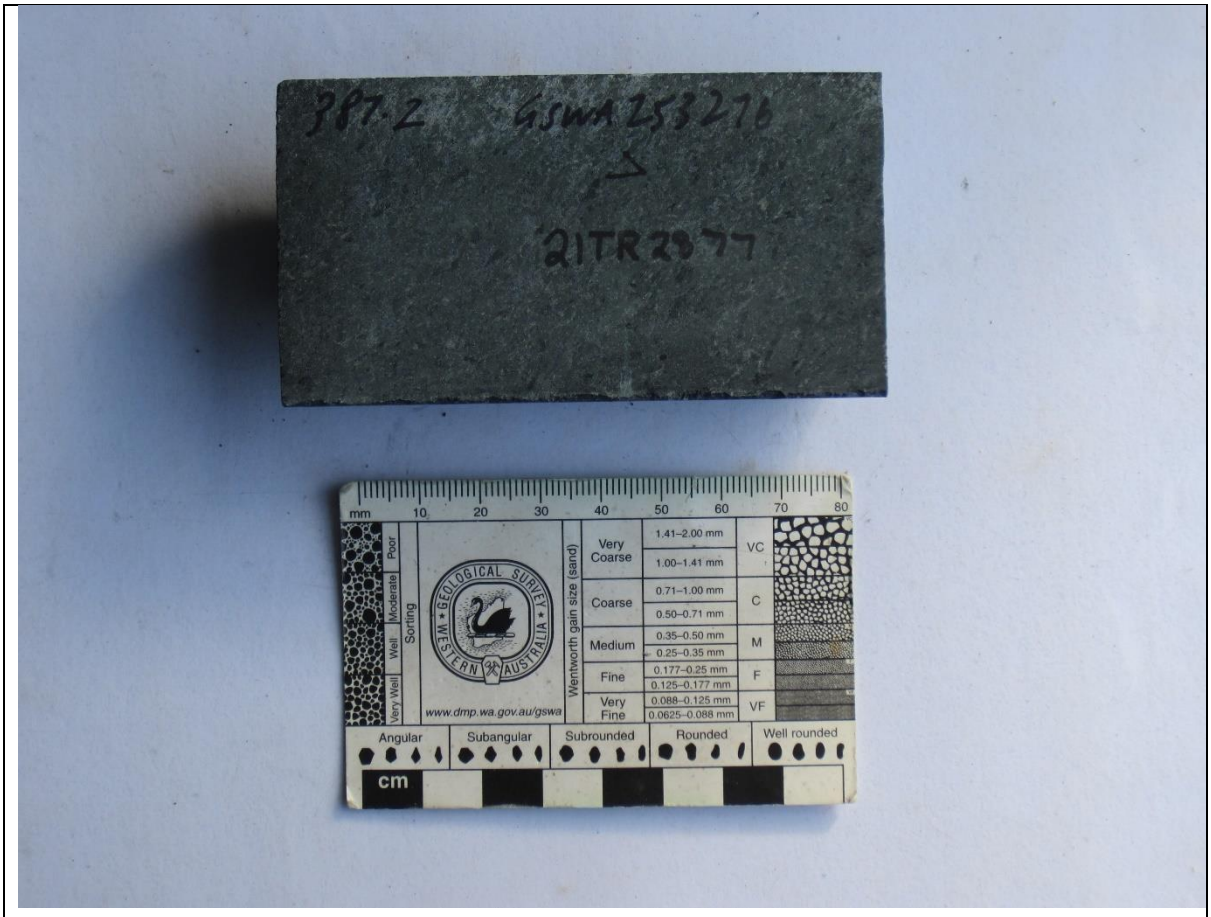
Terra ID: 21TR2873 Sample ID: 253272 Drillhole ID: 20KGDD0008 Depth Range: 365.15-365.3 m

Terra ID: 21TR2874 Sample ID: 253273 Drillhole ID: 20KGDD0008 Depth Range: 368.54-368.69 m



Terra ID: 21TR2875 Sample ID: 253274 Drillhole ID: 20KGDD0008 Depth Range: 372.21-372.36 m

Terra ID: 21TR2876 Sample ID: 253275 Drillhole ID: 20KGDD0008 Depth Range: 376.08-376.23 m



Terra ID: 21TR2877 Sample ID: 253276 Drillhole ID: 20KGDD0008 Depth Range: 387.2-387.35 m

Terra ID: 21TR2878 Sample ID: 253277 Drillhole ID: 20KGDD0008 Depth Range: 391.92-392.07 m

Terra ID: 21TR2879 Sample ID: 253278 Drillhole ID: 20KGDD0008 Depth Range: 394.26-394.41 m

Terra ID: 21TR2880 Sample ID: 253279 Drillhole ID: 20KGDD0008 Depth Range: 399.62-399.77 m

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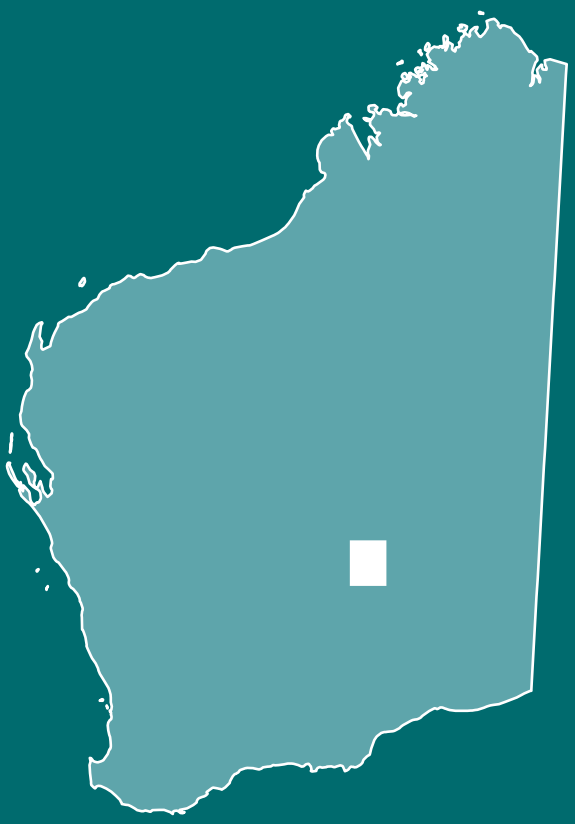

In 2020–21, the Geological Survey of Western Australia (GSWA) commenced a pilot petrophysics project, in collaboration with Terra Petrophysics, and funded by the Exploration Incentive Scheme (EIS). During this project, a suite of physical property measurements was made on EIS co-funded drillcore, stratigraphic drillcore and company drillcore from the Paterson Orogen, West Arunta, Eucla basement and the Kalgoorlie and Yamarna Terranes of the Eastern Goldfields Superterrane. The aim of this project is to provide a petrophysical dataset that can be used to assist with the planning and interpretation of geophysical data, including characterizing the physical property response of stratigraphic units, alteration and mineralization styles, and constraining geophysical models of the subsurface. This Report, produced by Terra Petrophysics, provides a description of the methods used and a first-pass analysis of the petrophysical data acquired in the Yamarna Terrane in 2020–21.

Further details of geoscience products are available from:

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