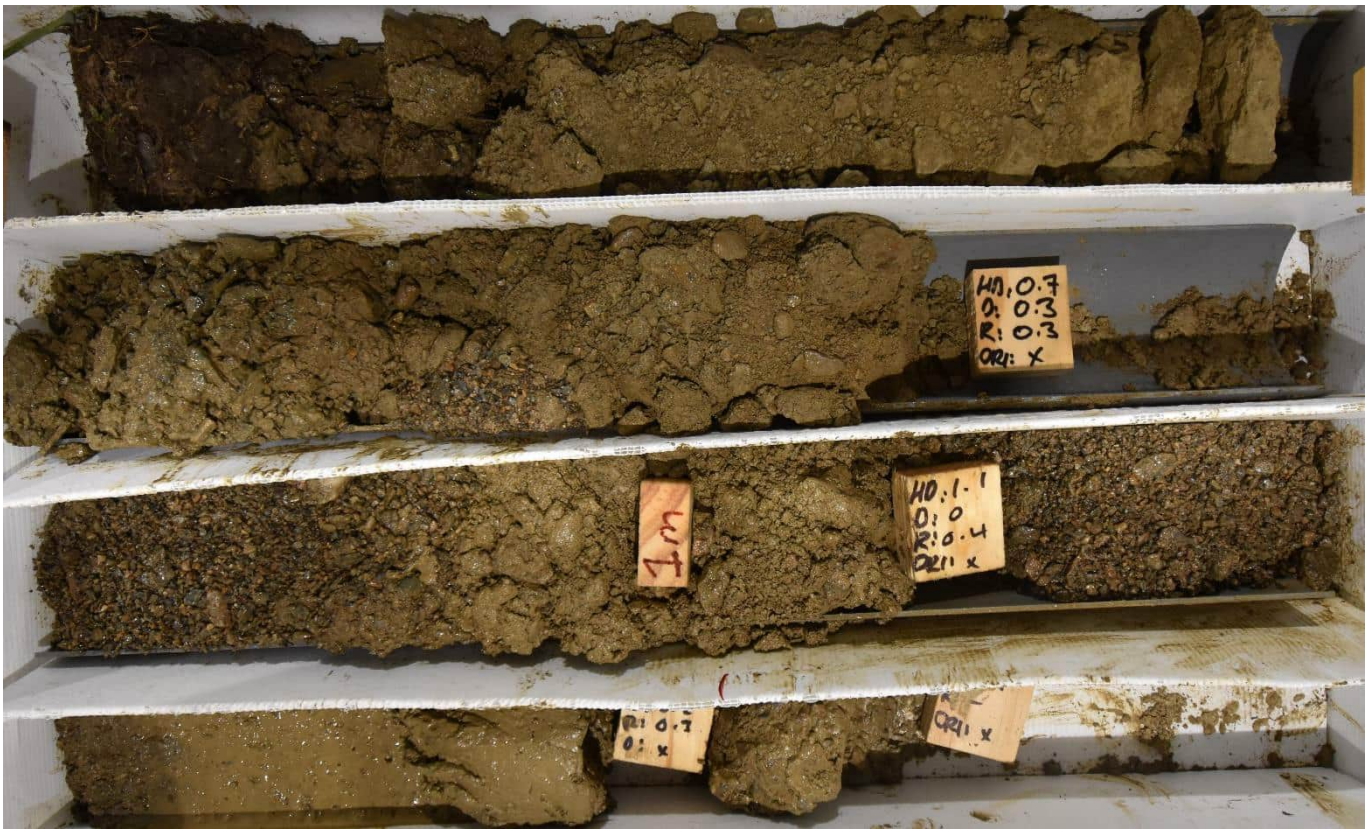
2024/2025 Investigation Boreholes

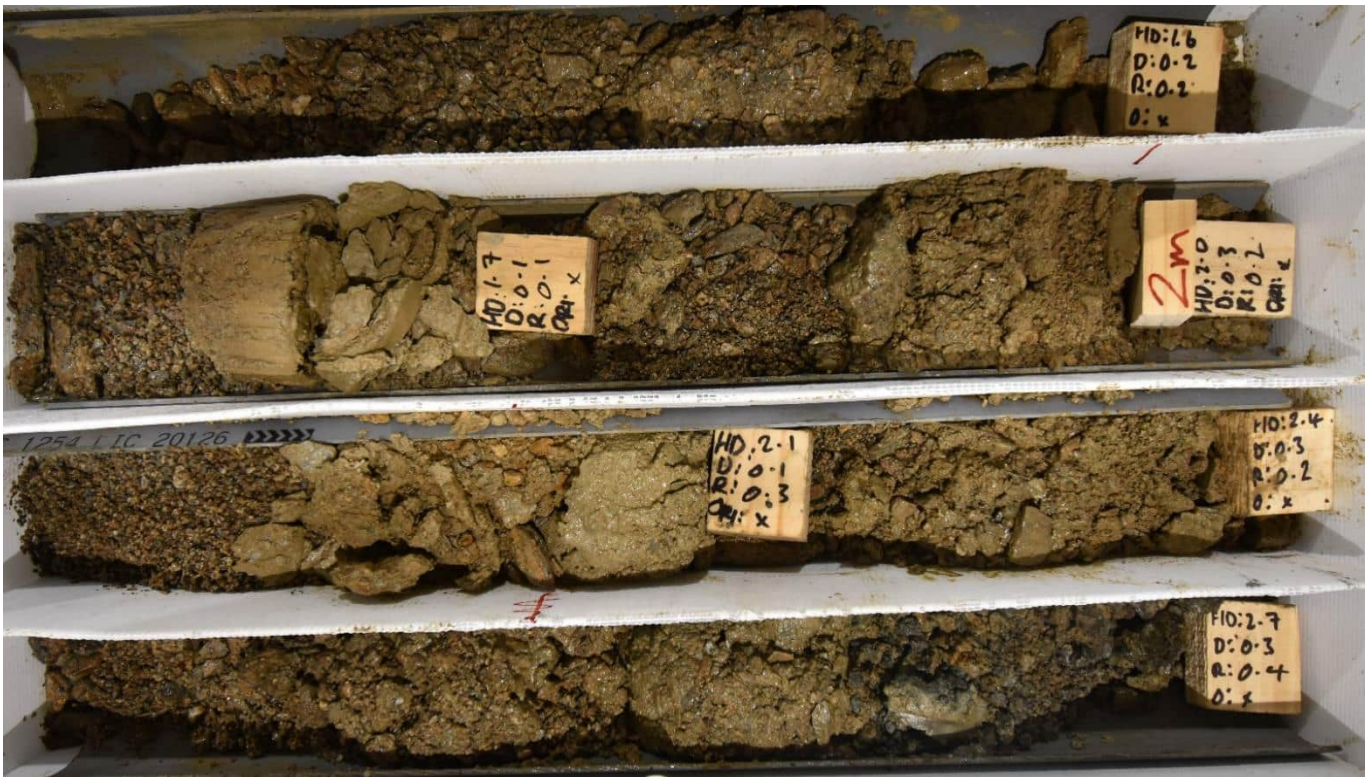
MDD327, MDD333, MDD362, MDD365, MDD394, MDD396, MDD399

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



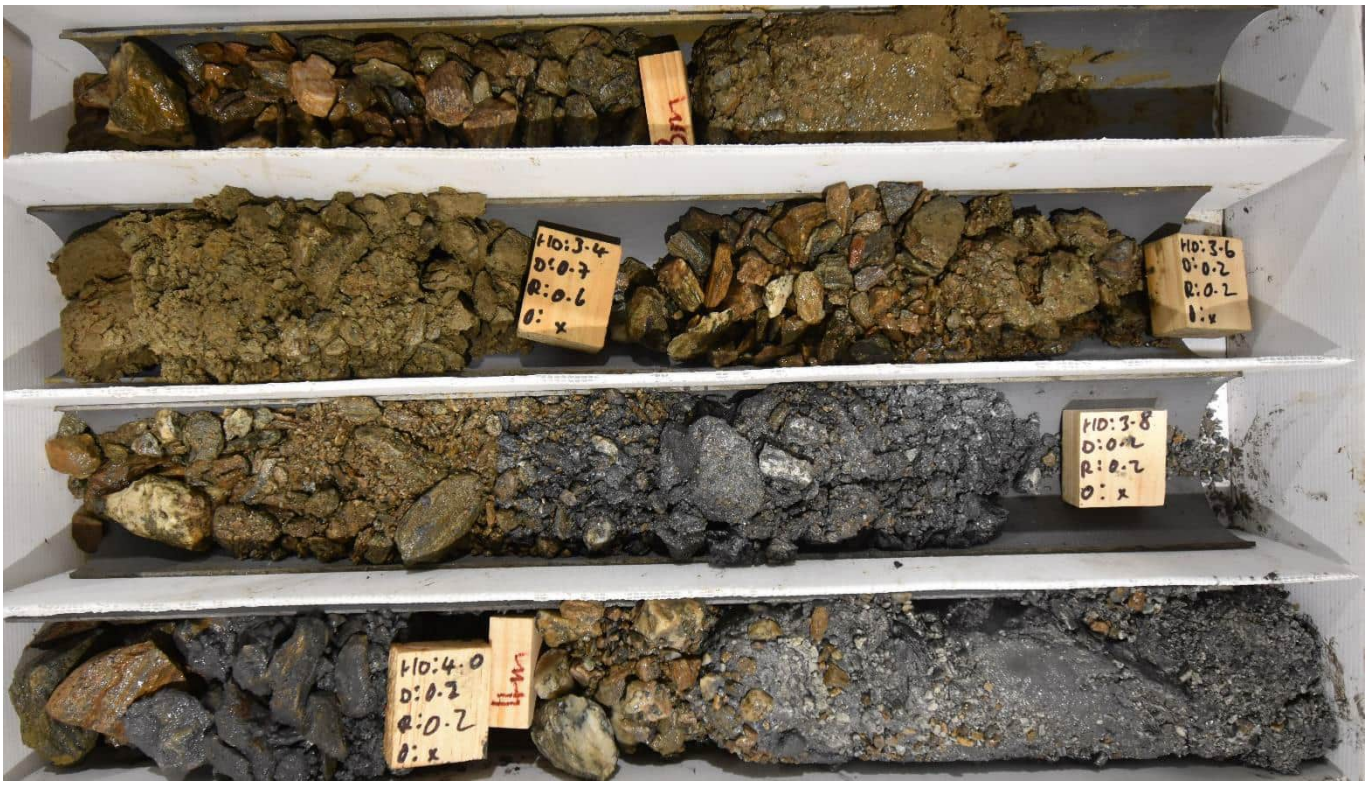
Depth: 0m to 1.4m



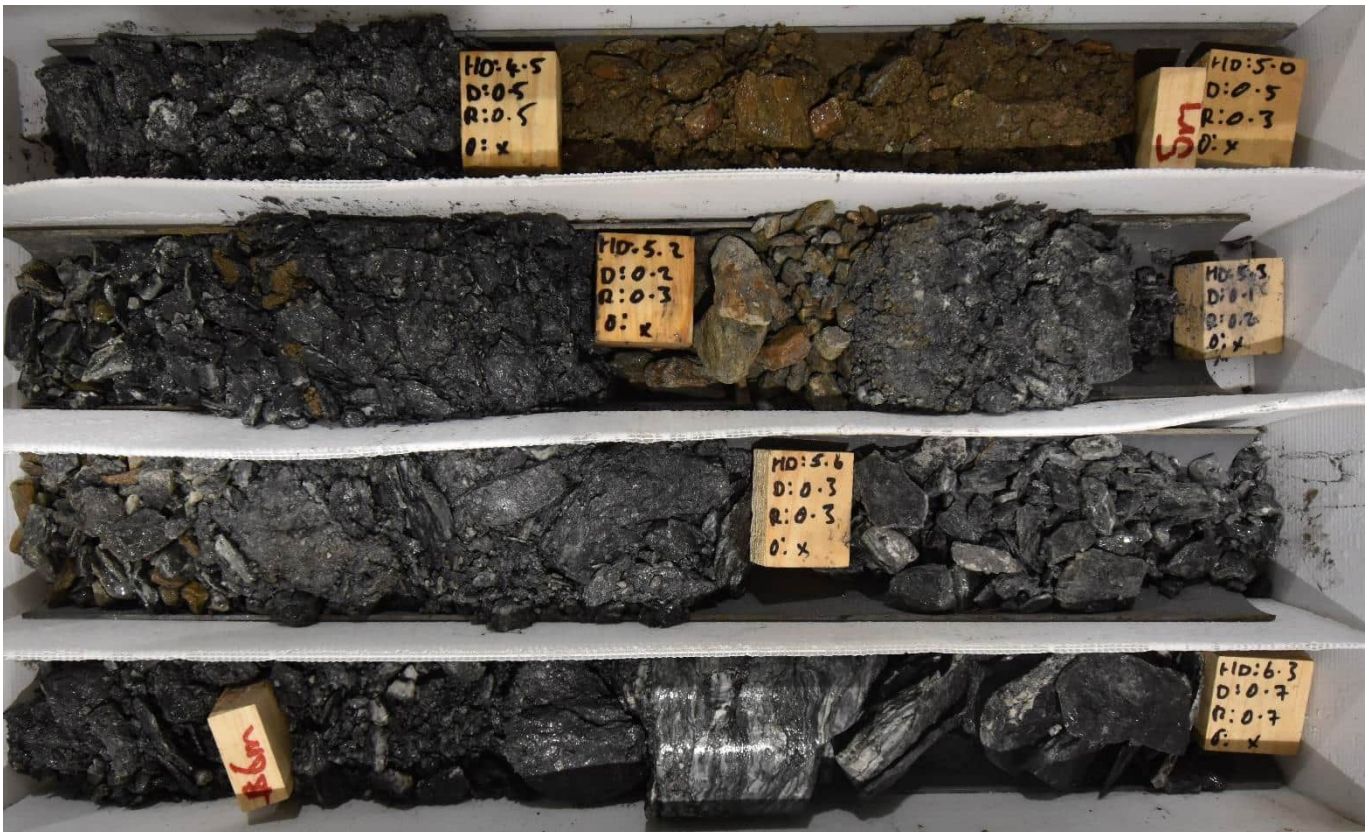
Depth: 1.4m to 2.7 m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



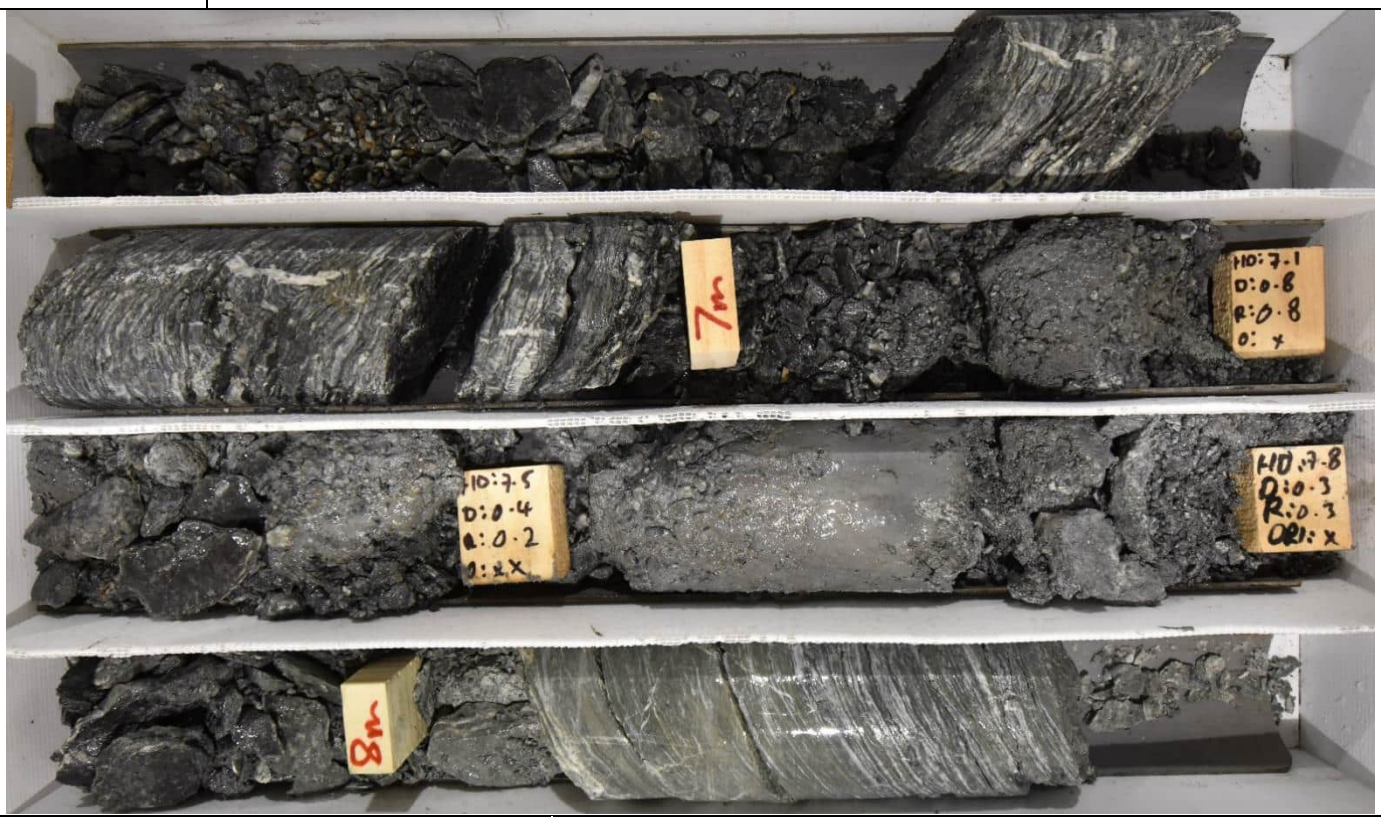
Depth: 2.7m to 4.3m



Depth: 4.3m to 6.3m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



Depth: 6.3m to 8.2m



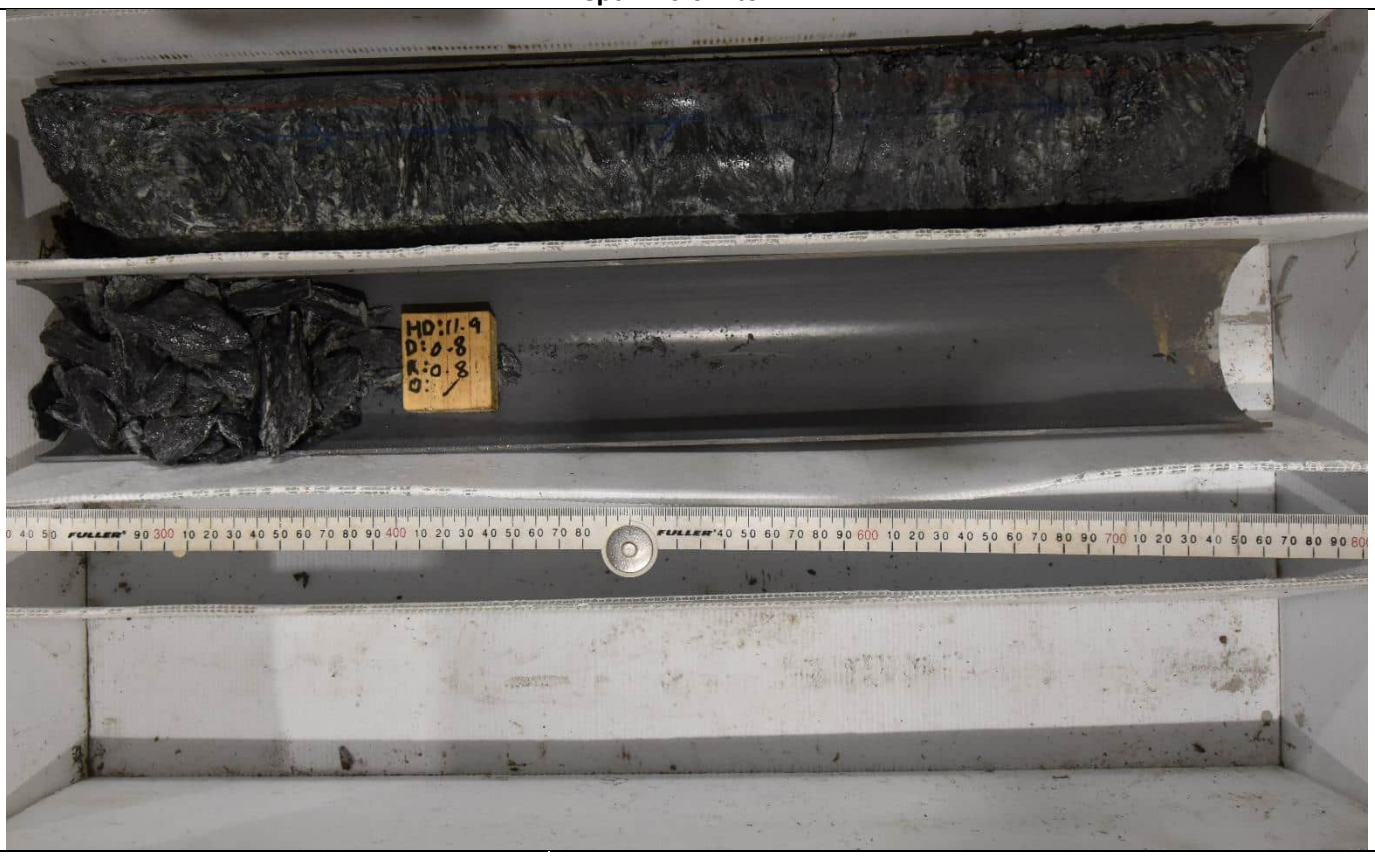
Depth: 8.2m to 10.0m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



Depth: 10.0m to 11.2m



Depth: 11.2m to 11.9m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



Depth: 11.9m to 14.3m



Depth: 14.3m to 16.4m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



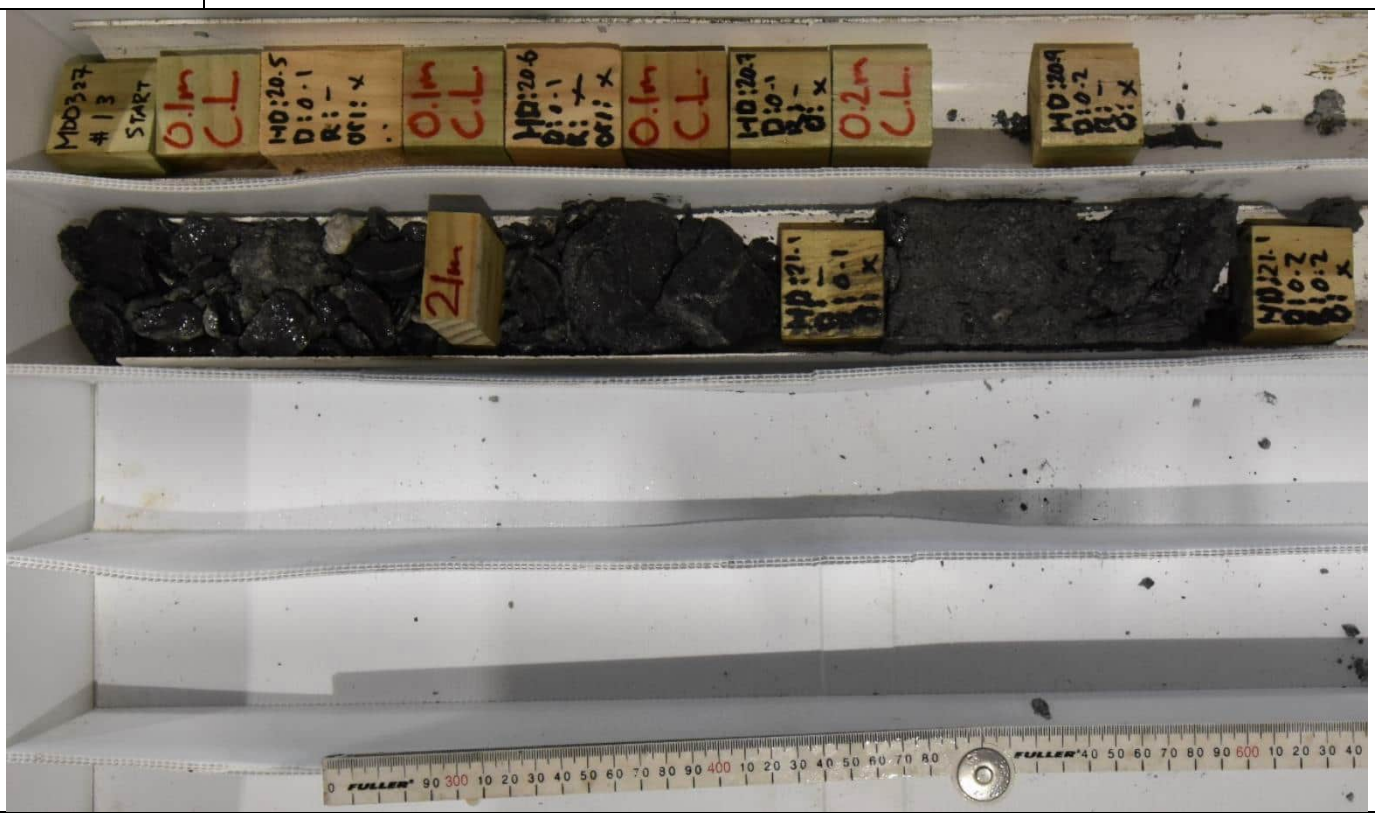
Depth: 16.4m to 18.7m



Depth: 18.7m to 20.4m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



p **Depth:** 20.4m to 21.1m



Depth: 21.1m to 22.3m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



Depth: 22.3m to 23.8m



Depth: 23.8m to 24.8m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
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	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



Depth: 24.8m to 26.3m



Depth: 26.3m to 28.4m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



Depth: 28.4m to 30.3m



Depth: 30.3m to 32.1m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



Depth: 32.1m to 33.5m



Depth: 33.5m to 34.4m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title: **MDD327 - CORE PHOTOGRAPHS**



Depth: 34.4m to 37.3m



Depth: 37.3m to 39.7m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



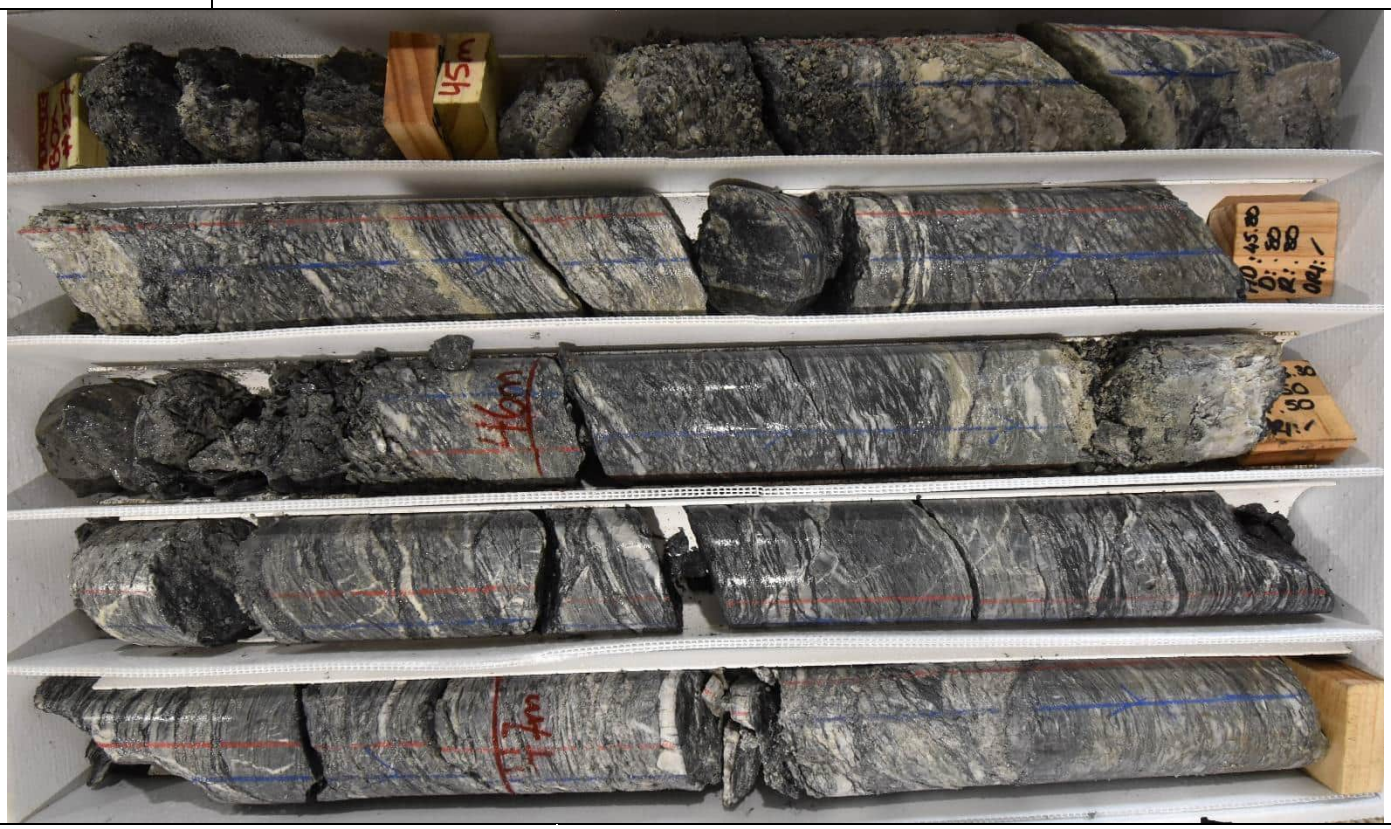
Depth: 39.7m to 42.2m



Depth: 42.2m to 44.9m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



Depth: 44.9m to 47.4m



Depth: 47.4m to 50.0m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



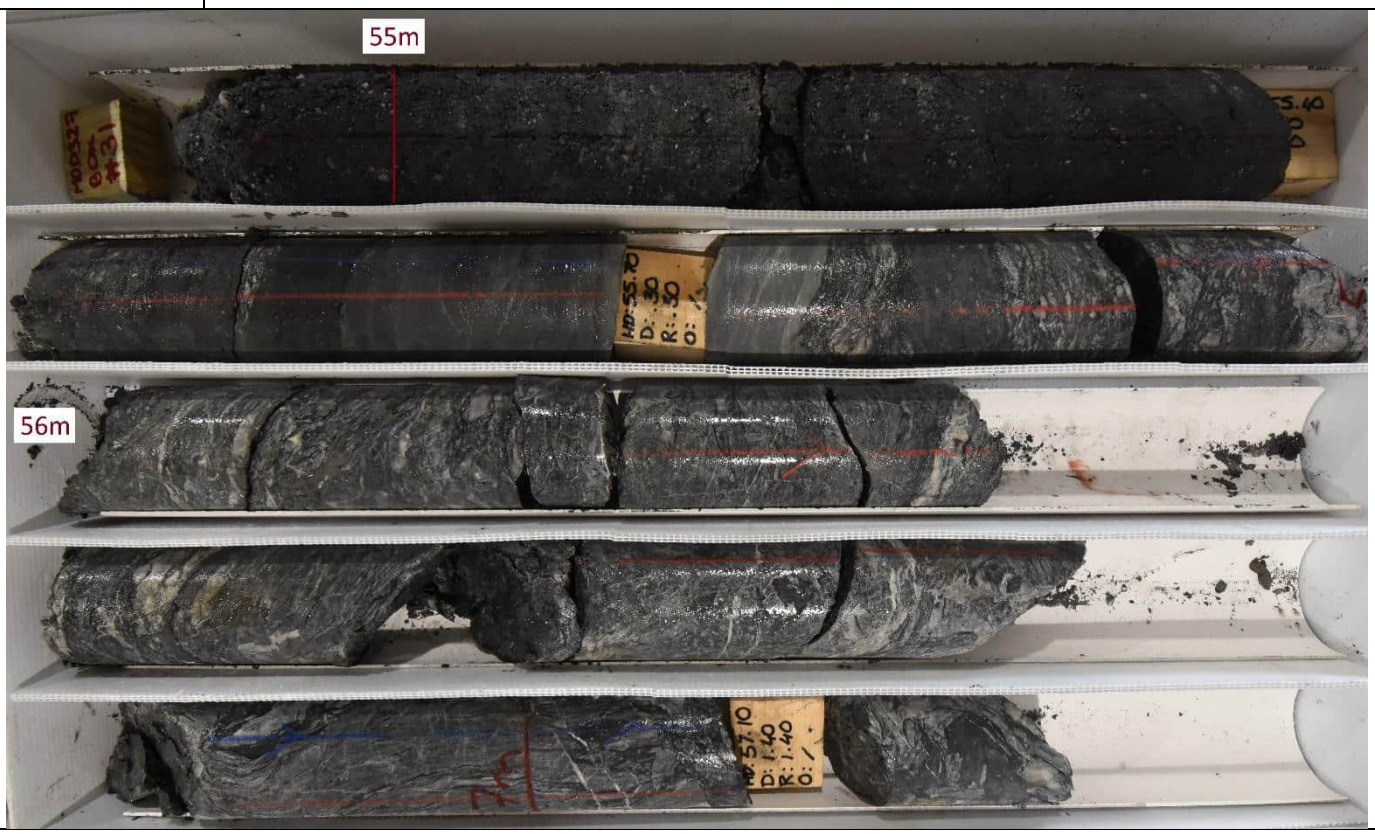
Depth: 50.0m to 52.5m



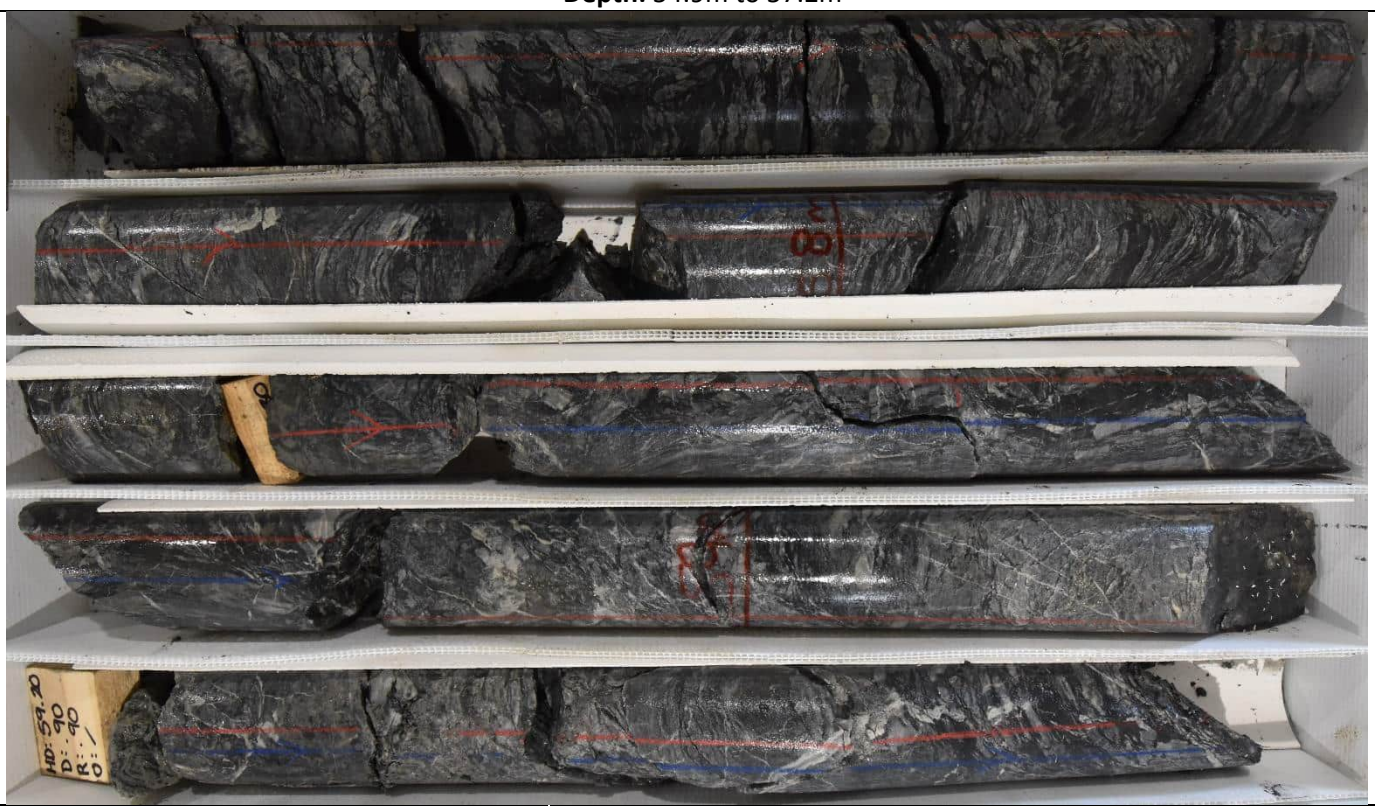
Depth: 52.5m to 54.9m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



Depth: 54.9m to 57.2m



Depth: 57.2m to 59.6m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



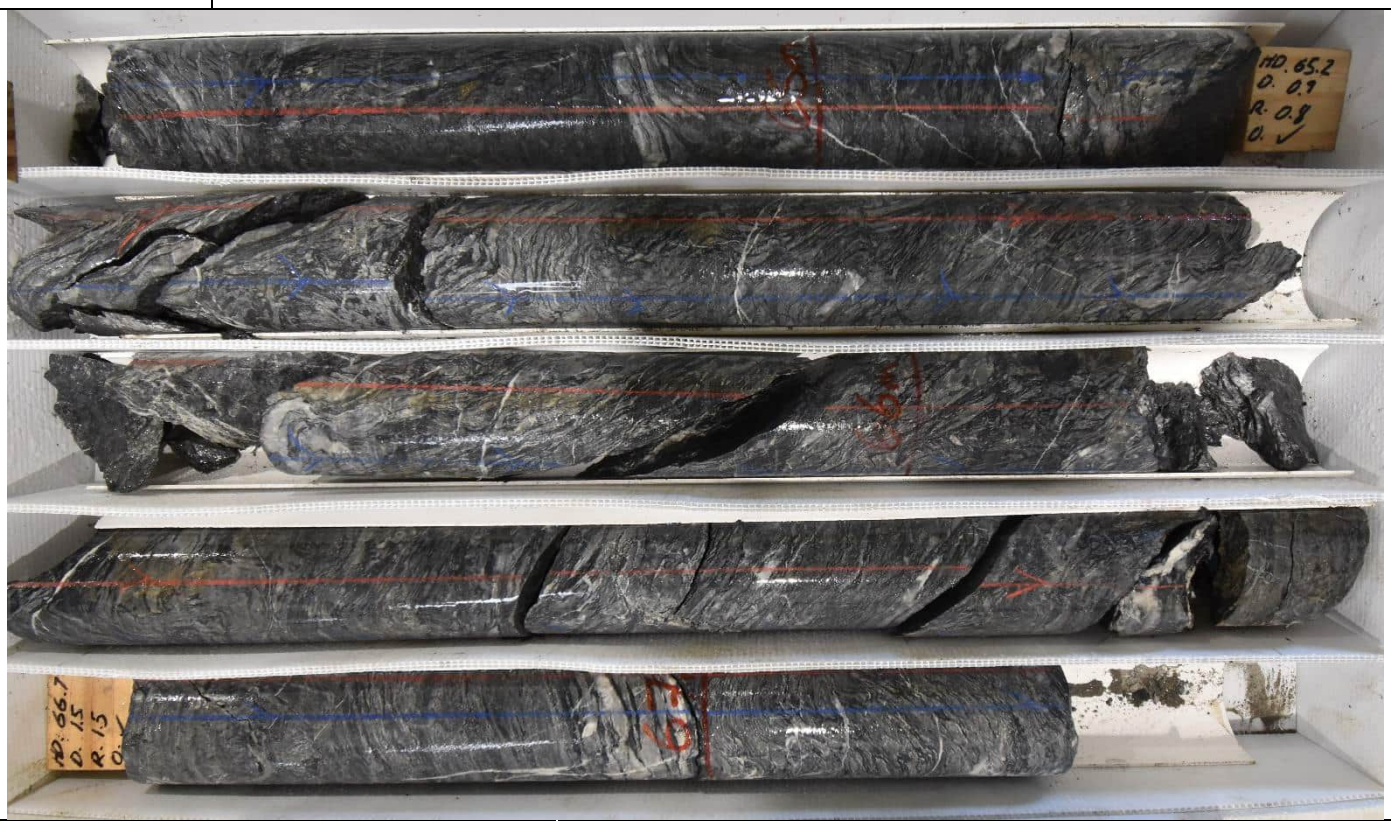
Depth: 59.6m to 62.2m



Depth: 62.2m to 64.6m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



Depth: 64.6m to 67.2m



Depth: 67.2m to 69.7m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	29 May 2024	**End Date**	8 June 2024

Title:	**MDD327 - CORE PHOTOGRAPHS**



Depth: 69.7m to 70.0m



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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD327

SHEET 1 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5015899.0 North 1319078.0
GRID: NZTM 2000

RL GROUND: 756.0
DATUM: NZVD 2016

HOLE STARTED: 28/05/2024
HOLE FINISHED: 09/06/2024
HOLE DEPTH: 70.0m
INCLINATION: Vertical
ORIENTATION:

Core Description				Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	DEPTH RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
Alluvium	Topsoil sandy SILT, fine to coarse sand; brown		756.0 755.9				CW	VW			0.40	0				
	sandy gravel, coarse sand, fine to medium gravel; brown sandy SILT, fine to coarse sand; brown	1	0.7 755.3 755.2 755.1								0.30	0				
	sandy gravel, coarse sand, fine to medium gravel; brown sandy SILT, fine to coarse sand; brown Core Loss		1.2 754.8 754.7 754.6								0.40	0				
	Gravelly sandy SILT, fine to medium gravel, greyish brown mottled brownish grey and grey Silty CLAY, greyish brown		1.6 754.4 754.3								0.20	0				
	gravelly SAND, fine gravels; brownish grey and grey	2	2.1 753.9								0.20	0				
	gravelly SILT, fine to coarse gravels; brownish grey with brownish grey, brown, and grey gravels		2.7 753.3	N/R							0.30	0				
	washed coarse gravels; brownish grey and grey	3	3.0 753.0				MW	MS			0.30	0				
	gravelly SILT, fine to coarse gravels; brown, with brown, brownish grey, and grey gravels		3.4 752.6				CW	VW			0.70	0				
	silty GRAVEL, coarse gravels; Brown, grey, and white gravelly SILT, fine to medium gravels; grey with grey, brown, and white gravels		3.6 752.4				MW	VW			0.20	0				
	washed coarse gravels; brown, white, and grey	4	4.0 752.0				SW	VW			0.20	0				
	gravelly SILT, fine to medium gravels; grey with grey, brown, and white gravels		4.2 751.9				SW	MS			0.50	0				
	gravelly SILT some clay, fine to coarse gravels; brown with brown and brownish grey gravels		4.5 751.5				HW	VW			0.50	0				
TZ3	Fragmented Schist, polyhedral blocks up to 30mm; grey 5.3m - 5.3m: Brown and white schist fragments	5	5.0 751.0				SW	VW			0.20	0				
	silty GRAVEL, fine to coarse gravels; grey and light grey		5.3 750.7								0.30	0				
	Schist, greenish grey and light grey. Moderately deformed gently inclined foliation	6	6.1 749.9		foliation shear, slickensided, polished, clay/gouge, measure dip reletive to the core centre line 80degree dip		SW	W			0.70	14				
	Silt and Fragmented Pelitic Schist, polyhedral blocks up to 30mm; grey	7	7.0 749.0		foliation shear, slickensided, planar, graphite, measured reletive center of core dipping 70degrees		SW	MS			0.80	38				
	7.5m - 7.6m: Clay smear over gravels				foliation shear, smooth, planar, clay/gouge, measured dip reletive to center of core dipping 50degrees		SW	VW			0.40	0				
	Pelitic Schist, greenish grey and light grey. slightly deformed gently inclined foliation	8	8.1 747.9		foliation parting, smooth, planar, chlorite, no orie but measured from center of core 70degreee dip		SW	MS			0.30	50				
	Fragmented Pelitic Schist, tabular up to core width by 30mm and polyhedral blocks up to 10mm		8.4 747.6		fault, 60°, rough, irregular, clay/gouge, pug fault 0.1cm wide ori present			VW MS			0.60	67				
	Pelitic Schist, greenish grey and light grey. Moderately deformed gently to moderately inclined foliation		8.6 747.4		fault, 60°, rough, irregular, clay/gouge, pug fault 0.1cm wide ori present foliation parting, 60°, smooth, planar, clean,		SW	MS			1.00	70				
	Crush zone, grey, polyhedral blocks less than 10mm within a matrix	9	9.5 746.5		fold axis, 70°, rough, irregular, clean, F3 fold with fracture ripping up axis, weak point rock2mm wide zone, fold zone 3cm long		SW				0.60	22				
	Pelitic Schist, grey and light grey. slightly deformed		9.9 746.4				UW	MS								

Groundwater Not Encountered

NOTES:

LOGGED: JF
CHECKED: PC
DRILLER:
DRILL TYPE:

EGL - SMI Rock Log - 25/06/2024 2:34:43 pm - Produced with Core-GS by Geroc

Engineering Geology Ltd
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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD327

SHEET 2 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5015899.0 North 1319078.0
GRID: NZTM 2000

RL GROUND: 756.0
DATUM: NZVD 2016

HOLE STARTED: 28/05/2024
HOLE FINISHED: 09/06/2024
HOLE DEPTH: 70.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	gently inclined foliation Pelitic Schist, grey and light grey. Moderately deformed subhorizontal to moderately inclined foliation Crush zone, grey, polyhedral blocks up to 10mm within a matrix Pelitic Schist, grey. Highly deformed foliation Core Loss Psammitic Schist, grey. Highly deformed foliation Washed Psammitic Schist fragments, tabular up to 70mm by 20mm Crush zone, grey, polyhedral blocks up to 10mm within a matrix Core Loss Washed Psammitic Schist fragments, with fines layered below Clay gauge, grey Core Loss Washed Pelitic Schist fragments, tabular up to 60mm by 20mm Pelitic Schist, grey and light grey. Moderately deformed gently inclined foliation Core Loss Washed rock fragments, tabular up to 60mm by 20mm Crush zone, grey, polyhedral blocks up to 10mm within a matrix Clay gauge, grey Crush zone, grey, polyhedral blocks up to 10mm within a matrix Washed Pelitic Schist fragments, tabular along foliation up to 60mm by 20mm 17.7m - 17.8m: Clay present, unkown if on outside only 17.9m - 18.0m: Clay present, unkown if on outside only 18.4m - 18.8m: Clay present, unkown if on outside only Washed Psammitic Schist fragments, tabular along foliation up to 60mm by 30mm Psammitic Schist, grey and light grey. slightly	11 12 13 14 15 16 17 18 19	10.1 745.9 10.5 745.5 10.7 745.3 11.9 744.1 12.5 743.5 743.4 13.1 742.9 13.3 742.7 13.5 742.5 13.7 742.3 14.1 741.9 14.3 741.7 15.9 740.1 16.4 739.6 16.8 739.2 739.1 17.1 738.9 17.3 738.7 17.5 738.5 18.8 737.2 19.8 736.2	C/L C/L C/L	fault, rough, planar, clay/gouge, no ori dip taken from center line of rock 50 degrees foliation, smooth, planar, clean, no ori 65 degrees from center line fault, 45°, rough, irregular, clay/gouge, shear/fault surface, zone .2 wide fault, 85°, rough, planar, clay/gouge, micro fault dipping down hole, 5mm wide pug and fractured material foliation shear, 70°, smooth, planar, clay/gouge, micro shear crosscutting foliation clay fill joint, rough, irregular, rock fragments, no ori line dips 50 degrres up hole foliation, 65°, smooth, planar, clean, foliation meausrement dipp 65 degree, ori line present joint shear, 65°, rough, planar, clay/gouge, clay gouge 20mm wide fault, 80°, rough, planar, clay/gouge, dipping 80uh. Ori present foliation, 83°, smooth, planar, clean, 83 dip dwn hole ori present foliation, smooth, planar, clean, no ori line dips 85 shear zone, clay/gouge, no ori line. Puggy clay zone wih brittle fracturing shear zone, clay/gouge, no ori line. Puggy clay zone wih brittle fracturing crush zone, rock fragments, no ori line, wash drilled broken and grounded tz3 shear zone, clay/gouge, no ori line clay shear zone with brittle rock fragments joint, 80°, rough, undulating, rock fragments, joint, 80°, rough, planar, rock fragments, fault, clay/gouge, puggy soft clay fault		UW UW HW UW UW VW UW VW UW MS UW	W MS W MS W MS VW S MS W VW VW MS VW MS	0.40 0.60 0.80 0.20 0.20 0.20 0.20 0.20 0.20 0.30 0.20 0.20 0.20 0.20 0.20 0.30 0.20 0.20 0.40 0.20 0.30 0.30 0.30 0.20 0.30 0.20	60 40 50 69 0 0 0 0 0 0 100 0 53 0 0 75 0 0 0 0 0 0 0 0	12 Groundwater Not Encountered		

NOTES:

LOGGED: JF
CHECKED: PC
DRILLER:
DRILL TYPE:

EGL - SMI Rock Log - 25/06/2024 2:34:44 pm - Produced with Core-GS by Geroc

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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD327

SHEET 3 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5015899.0 North 1319078.0
GRID: NZTM 2000

RL GROUND: 756.0
DATUM: NZVD 2016

HOLE STARTED: 28/05/2024
HOLE FINISHED: 09/06/2024
HOLE DEPTH: 70.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects		Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	deformed subhorizontal inclined foliation		20.2 735.8	C/L			UW	MS			0.20	0				
	Core Loss			C			UW	W								
			20.9 735.1	C/L							0.20	0				
TZ3	Crush zone, grey, polyhedral blocks up to 10mm with a fine matrix (drilling induced?)	21					UW				0.20	0				
											0.20	0				
											0.20	0				
		22									0.20	0				
											0.30	0				
							UW	W			0.20	0				
		23									0.20	0				
											0.20	0				
											0.20	0				
		24					UW				0.20	0				
			24.6 731.5													
	Pelitic Schist, greenish grey and light grey. Moderately deformed gently inclined foliation		24.7 731.4		fault, 84°, polished, polished, clay/gouge, puggy fault			W								
	Crush zone, grey, polyhedral blocks up to 10mm within a matrix		24.8 731.2		foliation, 86°, smooth, planar, clean,		UW	MS			0.30	0				
	Psammitic Schist, grey and light grey. Moderately deformed gently inclined foliation	25	25.1 730.9	C/L				W			0.30	0				
	Washed Psammitic Schist fragments, tabular along foliation up to 60mm by 20mm		25.4 730.6		joint, 84°, rough, planar, carbonate, white powdery carb on joint surface		UW	MS			0.30	33				
	Core Loss							W								
	Washed Psammitic Schist fragments, tabular along foliation up to 60mm by 20mm							S			0.60	67				
	Pelitic Schist, greenish grey and light grey. highly deformed foliation	26			foliation, 80°, smooth, planar, clean, clean smooth		UW									
			26.3 729.4		fault, 82°, rough, planar, clay/gouge, largefault, pug filled with broken fresh rock			VW			0.40	25				
	Crush zone, grey, polyhedral blocks up to 10mm within a matrix		26.5 729.6													
	Washed Psammitic Schist fragments, with fines layered below		26.8 729.2		foliation parting, 88°, smooth, planar, clean, near vertical parting on qz band			S			0.50	80				
	Psammitic Schist with clay smear on outside of core	27														
			27.3 728.7		joint, 83°, very rough, planar, rock fragments, light green sericitic alt schist very weak material											
TZ3	Pelitic Schist, greenish grey and light grey. highly deformed foliation with crush seams up to 40mm wide following foliation						UW	S			1.10	91				
			27.8 728.2		foliation parting, 86°, rough, irregular, clay/gouge, foliation hard to gauge due to heavly deformed material											
	Pelitic Schist, grey and light grey. highly deformed foliation	28			foliation, 70°, smooth, planar, clean,											
			28.6 727.4		foliation parting, 60°, rough, planar, clay/gouge, measurementup hole											
	Psammitic Schist, grey and light grey. highly deformed foliation				foliation shear, 70°, rough, planar, clay/gouge, clay filled sheared foliation						1.00	85				
		29														
			29.3 726.6		joint shear, 60°, smooth, planar, clay/gouge, clay filledshear smooth			VS			0.50	60				
	Pelitic Schist, grey and light grey. highly deformed foliation				foliation shear, 83°, rough, undulating, rock fragments, rockfragment surfaceundulating		UW	W			0					
								MS								

Groundwater Not Encountered

NOTES:

LOGGED: JF
CHECKED: PC
DRILLER:
DRILL TYPE:

EGL - SMI Rock Log - 25/06/2024 2:34:44 pm - Produced with Core-GS by Geroc

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PO Box 301054, Albany, Auckland 0752
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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD327

SHEET 4 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5015899.0 North 1319078.0
GRID: NZTM 2000

RL GROUND: 756.0
DATUM: NZVD 2016

HOLE STARTED: 28/05/2024
HOLE FINISHED: 09/06/2024
HOLE DEPTH: 70.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Pelitic Schist, grey and light grey. highly deformed foliation	31	31.9 724.1		fault, 80°, rough, planar, rock fragments, rock fragment with cloritic schist foliation shear, 80°, polished, planar, clean, mirror slicken slide black surface fault, 80°, very rough, planar, rock fragments, in theguts of fault foliation shear, 82°, polished, undulating, clay/gouge, polished foliation shear joint, 85°, very rough, irregular, rock fragments, very rough break		UW / MS / W / MS / UW / VW / S / MS				0.30 / 0.30 / 0.60 / 0.40 / 0.40	0 / 33 / 93 / 50 / 75				
	Core Loss	32	32.1 723.9	C/L			UW / W				0.20	0 / 50				
	Washed Pelitic Schist fragments, with fines layered below		32.4 723.6													
	Pelitic Schist trace chlorite, grey and light grey. Moderately deformed moderately inclined foliation		32.8 723.2		foliation shear, 87°, polished, irregular, clay/gouge, polished slickenslid foliation parting, 83°, very rough, irregular, rock fragments, broken face		UW / S				0.50	70				
	Crush zone, grey, polyhedral blocks up to 20mm within a matrix (Possibly Drilling Induced)	33	33.1 722.9				UW / W				0.20	0				
	Pelitic Schist, grey and light grey. Moderately deformed subhorizontal to moderately inclined foliation		33.4 722.6				UW / S				0.60	83				
	Crush zone, grey, polyhedral blocks up to 40mm within a matrix (Possibly Drilling Induced)		33.7 722.3				UW / W									
	Pelitic Schist, grey and light grey. slightly deformed moderately inclined foliation	34	34.2 721.8		foliation parting, 80°, very rough, irregular, rock fragments, carbnate powder in fracture foliation shear, 75°, polished, planar, clean, polished slipped face foliation shear, 70°, smooth, planar, clean, almost polished face		UW / VS / MS / VW				0.60 / 0.50	92 / 20				
	Washed Pelitic Schist fragements, with fines layered below		34.9 721.1													
	Highly fractured Psammitic Schist, grey and light grey, moderately deformed gently inclined foliation	35	35.3 720.7				UW / MS				0.60	17				
	Fragmented Psammitic Schist broken along foliation, fines present as seperate layers	36			foliation shear, 87°, polished, planar, clean, polished		UW / W				0.20 / 0.20 / 0.30 / 0.40 / 0.20 / 0.20	0 / 0 / 33 / 0 / 50 / 0		Groundwater Not Encountered		
	Core Loss	37	36.9 719.1	C/L												
	Fragmented Psammitic Schist broken along foliation, fines present as seperate layers		37.2 718.8				UW / W				0.20 / 0.20 / 0.20 / 0.20 / 0.40	0 / 0 / 50 / 0 / 0				
	Psammitic Schist, grey and light grey. moderately deformed gently to moderately inclined foliation	38	38.6 717.4				UW / W				0.60	67				
	crush zone, foliation present in tabular blocks up to 20mm high matrix between fragmented Psammitic Schist up to 50mm wide	39	39.0 717.0 / 39.2 716.8		foliation parting, 80°, smooth, planar, clean, 80 dip		UW / S / W				0.50 / 0.40	0 / 0				

NOTES:

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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD327

SHEET 5 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5015899.0 North 1319078.0
GRID: NZTM 2000

RL GROUND: 756.0
DATUM: NZVD 2016

HOLE STARTED: 28/05/2024
HOLE FINISHED: 09/06/2024
HOLE DEPTH: 70.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	fragmented Psammitic Schist up to 50mm wide Pelitic Schist, grey and light grey. highly deformed foliation		40.1 715.9				UW	W			0.40	0				
			40.6 715.4		foliation parting, 88°, rough, planar, rock fragments, rough surface						0.40	75				
	Pelitic Schist, dark grey and light grey. highly deformed foliation 40.8m - 40.9m: crush seam 50mm wide no foliation remaining 41.0m - 41.1m: crush seam 50mm wide no foliation remaining 41.2m - 41.3m: crush seam 50mm wide no foliation remaining 41.5m - 41.6m: crush seam 50mm wide no foliation remaining	41			joint shear, 80°, rough, undulating, rock fragments, rough surface foliation, 60°,						0.90	0				
	Pelitic Schist, grey and light grey. moderately deformed gently inclined foliation	42	41.8 714.2		joint, 30°, rough, planar, rock fragments, joint, 60°, stepped, undulating, clean, foliation, 60°,		UW				1.00	69				
	Pelitic Schist, grey and light grey. slightly deformed subhorizontal inclined foliation		42.4 713.6		fracture zone, rock fragments, broken fractured zone joint, 60°, stepped, stepped, rock fragments, joint, 70°, stepped, planar, rock fragments, joint, 30°, smooth, undulating, clean,						1.40	44				
		43			joint, 50°, rough, undulating, rock fragments, shear zone, clay/gouge, puggy clay zone with small rock frags											
	Can't tell from photo		43.6 712.4	N/R			UW									
	Pelitic Schist, grey. moderately deformed gently inclined foliation	44	43.8 712.2		joint, 70°, rough, stepped, clean, shear zone, rock fragments, weak fractured shear zone with rock frags foliation, 40°,						0.60	55				
	Crush zone, grey, polyhedral blocks up to 20mm within a matrix		44.0 712.0													
	Pelitic Schist, grey. moderately deformed gently inclined foliation		44.3 711.9				UW									
	fragmented Pelitic Schist along foliation up to 10mm wide		44.7 711.6								0.60	75				
	Pelitic Schist, grey and light grey. moderately deformed steeply to vertically inclined foliation		44.8 711.2		joint, 30°, rough, undulating, rock fragments, polished clay pug on the surface											
	Pelitic Schist, grey and light grey. highly deformed, fractures following foliation present	45	45.1 710.9		shear zone, rock fragments, weak shear zone joint, 40°, smooth, undulating, rock fragments, foliation, 40°,		UW	S			0.80	52				
	Schist, greenish grey and light grey. moderately deformed gently to moderately inclined foliation. banding of greener present along foliation		45.5 710.5													
	Pelitic Schist, grey and light grey. moderately deformed gently to moderately inclined foliation				joint, 40°, rough, planar, rock fragments, shear zone, rock fragments, weak shear zone with large rock frags						0.50	44				
	can't tell from photo	46	46.2 709.9		joint, 60°, smooth, planar, clean, foliation, 60°,											
	Pelitic Schist, grey and light grey. moderately deformed gently inclined foliation		46.4 709.7		shear zone, rock fragments, weak shear zone with some clay joint, 40°, rough, planar, rock fragments,						1.10	69				
	Pelitic Schist, grey and light grey. highly deformed		46.8 709.2		joint, 20°, smooth, undulating, rock fragments, joint, 40°, rough, planar, rock fragments,											
	47.3m - 47.4m: Fault offsetting foliation approx 45 degrees	47	47.4 708.7				UW									
	Psammitic Schist, grey. moderately deformed gently inclined foliation		47.5 708.5								1.30	60				
	Pelitic Schist, greyish green and light grey. moderately deformed moderately inclined foliation		48.0 708.0		shear zone, rock fragments, brittle shear zone with rock frag											
	Crush zone, grey, polyhedral blocks within a matrix (can't estimate size in photo)	48	48.0 708.0		joint, 70°, smooth, planar, clean,											
	Pelitic Schist, dark grey and light grey. highly deformed		48.3 707.7		joint, 60°, smooth, planar, clean,											
	Pelitic Schist, grey and light grey. moderately deformed moderately inclined foliation		48.7 707.3								0.80	95				
	Pelitic Schist, grey and light grey. highly deformed				foliation, 60°,											
	Pelitic Schist, grey and light grey. moderately deformed moderately inclined foliation	49	49.0 707.0		joint, 60°, smooth, planar, clean,											
			49.5 706.5								1.20	72				
	Pelitic Schist, grey and light grey. highly deformed				joint, 70°, smooth, planar, clean,		UW									

Groundwater Not Encountered

NOTES:

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DRILL TYPE:

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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD327

SHEET 6 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5015899.0 North 1319078.0
GRID: NZTM 2000

RL GROUND: 756.0
DATUM: NZVD 2016

HOLE STARTED: 28/05/2024
HOLE FINISHED: 09/06/2024
HOLE DEPTH: 70.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
	Pelitic Schist, grey and light grey. highly deformed				joint, 80°, smooth, planar, clean, joint, 50°, smooth, planar, clay/gouge,						1.20	72				
TZ3	Pelitic Schist, greenish grey and light grey. moderately deformed moderately inclined foliation		50.3 705.7		foliation, 50°, joint, 50°, smooth, undulating, clean,			S								
		51			joint, 60°, smooth, planar, clean,						1.50	85				
		52	52.2 703.8		shear zone, rock fragments,		UW				0.30	0				
	Pelitic Schist, greenish grey and light grey. moderately deformed subhoriztonal foliation				shear zone, rock fragments,						0.70	53				
		53			joint, 40°, smooth, planar, clean, foliation, 60°,			MS			0.50	76				
	Pelitic Schist, greenish grey and light grey. moderately deformed moderately inclined foliation		53.5 702.5		shear zone, rock fragments,											
Thomson Gorge Fault	sandy CLAY fault gauge, minor polyhedral schist fragments up to 10mm	54	54.0 702.0		shear zone, clay/gouge, clay puggy shear zone coming into the TGF fault, clay/gouge, TGF						0.50	38				
	sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm		54.5 701.5								0.40	0				
	sandy CLAY fault gauge, minor polyhedral schist fragments up to 10mm	55	54.9 701.1					W			0.30	0				
	sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm		55.2 700.8								0.50	0				
			55.7 700.3								0.30	100				
	Psammitic Schist, dark grey and light grey. moderately deformed moderately inclined foliation		55.8 700.2													
	Pelitic Schist, dark grey and light grey. highly deformed moderatelyno foliation present	56	56.0 700.1		joint, 70°, smooth, undulating, clay/gouge,											
	Psammitic Schist, dark grey and light grey. highly deformed foliation				joint, 70°, smooth, undulating, rock fragments, shear zone, 40°, rock fragments, joint, 40°, rough, planar, rock fragments, joint, 50°, smooth, undulating, clean, joint, 20°, smooth, planar, clay/gouge,						1.40	91				
		57														
	57.5m: Fold present in foliation				joint, 60°, smooth, planar, clean,											
TZ4			57.6 698.4		joint, 60°, smooth, planar, clean, joint, 70°, smooth, planar, clean,											
	Pelitic Schist, dark grey and light grey. highly deformed foliation	58	58.0 698.0				UW	S			1.20	87				
	Pelitic Schist, dark grey and light grey. moderately deformed moderately to steeply inclined foliation				joint, 70°, smooth, irregular, clean, joint, 60°, smooth, planar, clean, joint, 50°, smooth, irregular, clean, joint, 30°, stepped, planar, clean,											
		59			joint, 40°, smooth, planar, clean,						0.90	94				
					fracture zone, 20°, rock fragments,											
	dark grey		59.7 696.3								1.00	51				
	Pelitic Schist, dark grey and light grey. highly		59.8 696.2													

Groundwater Not Encountered

NOTES:

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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD327

SHEET 7 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5015899.0 North 1319078.0
GRID: NZTM 2000

RL GROUND: 756.0
DATUM: NZVD 2016

HOLE STARTED: 28/05/2024
HOLE FINISHED: 09/06/2024
HOLE DEPTH: 70.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
	deformed foliation										1.00	51				
	Pelitic Schist, dark grey and light grey. slightly deformed subhorizontally inclined foliation		60.4 695.6		joint shear, 60°, smooth, planar, clean,			S								
	Pelitic Schist, dark grey and light grey. moderately deformed very steeply inclined foliation		60.9 695.1								1.30	65				
		61			joint, stepped, planar, clean,											
	Crush zone, grey, polyhedral blocks up to 20mm within a matrix		61.2 694.8		shear zone, rock fragments,			MS								
	Pelitic Schist, dark grey and light grey. moderately deformed gently inclined foliation		694.7													
		62			joint, 20°, smooth, planar, clean,											
					joint, 50°, smooth, undulating, clean,						1.40	99				
					joint, 30°, smooth, planar, clean,											
	Pelitic Schist, dark grey and light grey. slightly deformed moderately inclined foliation		62.8 693.2		joint, 60°, smooth, undulating, clean,											
		63			foliation, 30°,											
					joint shear, 30°, smooth, planar, clean,						1.40	79				
					joint, 60°, smooth, planar, clean,											
					joint, 60°, smooth, planar, clean,											
	Pelitic Schist, dark grey and light grey. highly deformed foliation		63.8 692.2													
		64			joint, 60°, smooth, undulating, rock fragments,											
	Pelitic Schist, dark grey and light grey. moderately deformed subvertically inclined foliation		64.3 691.7		joint, 30°, smooth, planar, clean,						0.90	76				
	Pelitic Schist, dark grey and light grey. highly deformed foliation		64.5 691.5													
TZ4		65			joint, 80°, smooth, curved, clean,		UW									
					foliation, 20°,											
					joint, 20°, smooth, undulating, clean,			S								
					joint shear, 60°, smooth, undulating, clean,						1.50	67				
		66			joint, 20°, smooth, planar, clean,											
	Pelitic Schist, dark grey and light grey. moderately deformed moderately inclined foliation		66.3 689.7		joint, 60°, smooth, planar, clean,											
					joint, 20°, smooth, planar, clean,											
					joint, 40°, smooth, planar, clean,											
		67			joint, 50°, smooth, planar, clean,						1.00	88				
	Psammitic Schist, grey and light grey. slightly deformed subhorizontally inclined foliation		67.2 688.8		joint, 60°, smooth, planar, clean,											
	Pelitic Schist, dark grey and light grey. moderately deformed subhorizontally inclined foliation		67.4 688.6													
		68			joint, 50°, smooth, planar, rock fragments,											
					joint, 70°, smooth, planar, clean,						1.50	67				
	Pelitic Schist, dark grey and light grey. moderately deformed subvertically inclined foliation		68.2 687.9													
	Psammitic Schist, dark grey and light grey. moderately deformed gently inclined foliation		687.7		fracture zone, rock fragments,											
					joint, 70°, stepped, planar, clean,											
		69														
	Pelitic Schist, dark grey and light grey. moderately deformed gently inclined foliation		69.2 686.8								0.80	86				
			70.0		joint shear, 40°, stepped, planar,											

Groundwater Not Encountered

NOTES:

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SANTANA MINERALS LIMITED

DRILLHOLE No.: **MDD327**

SHEET 8 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5015899.0 North 1319078.0
GRID: NZTM 2000

RL GROUND: 756.0
DATUM: NZVD 2016

HOLE STARTED: 28/05/2024
HOLE FINISHED: 09/06/2024
HOLE DEPTH: 70.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	EOH: 70.00 m				clean,											

NOTES:

LOGGED: JF
CHECKED: PC
DRILLER:
DRILL TYPE:

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EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



Depth: 0.0m to 2.1m



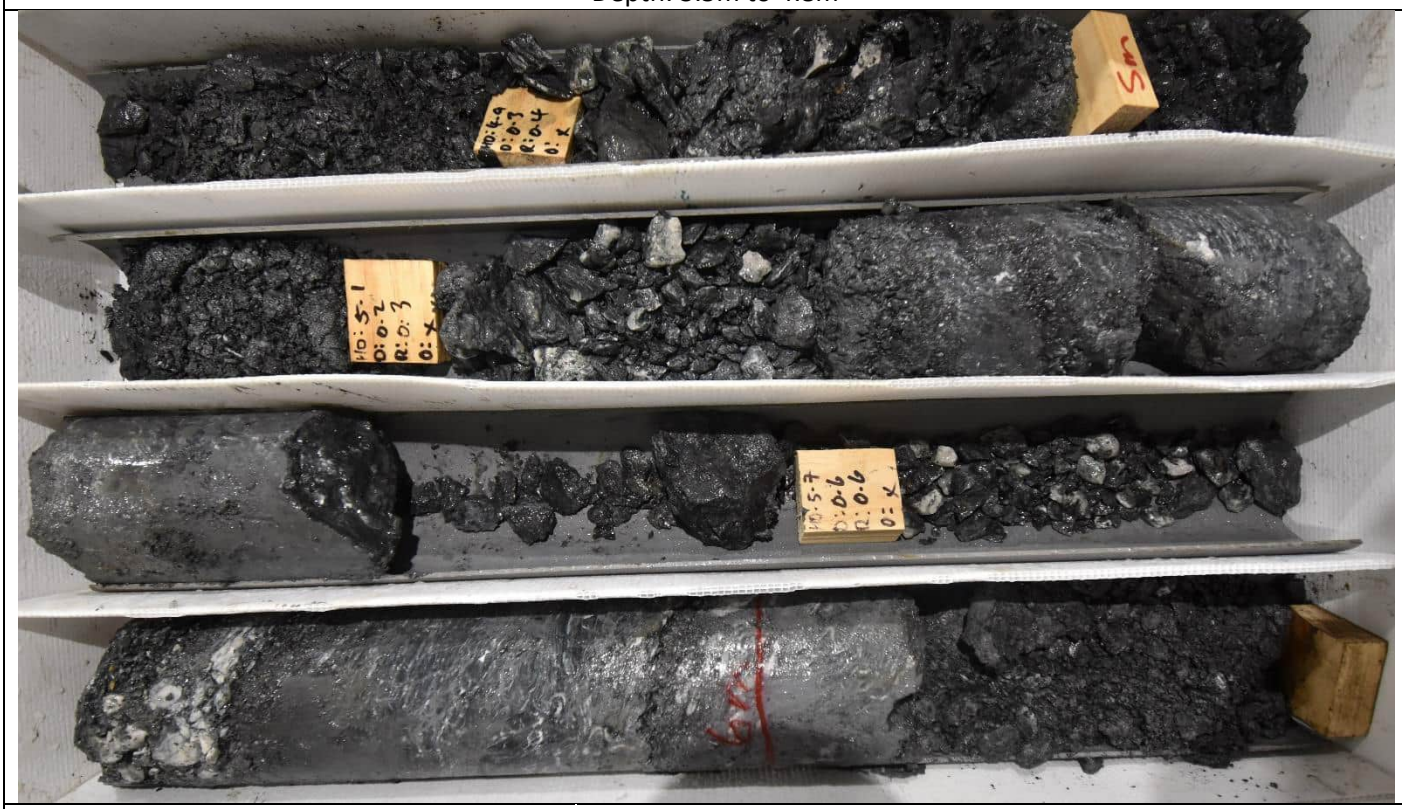
Depth: 2.1m to 3.5m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



Depth: 3.5m to 4.8m



Depth: 4.8m to 6.3m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



Depth: 6.3m to 8.0m



Depth: 8.0m to 9.0m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



Depth: 9.0m to 10.7m



Depth: 10.7m to 12.7m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



Depth: 12.7m to 15.1m



Depth: 15.1m to 17.0m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



Depth: 17.0m to 19.0m



Depth: 19.0m to 20.6m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



Depth: 20.6m to 22.5m



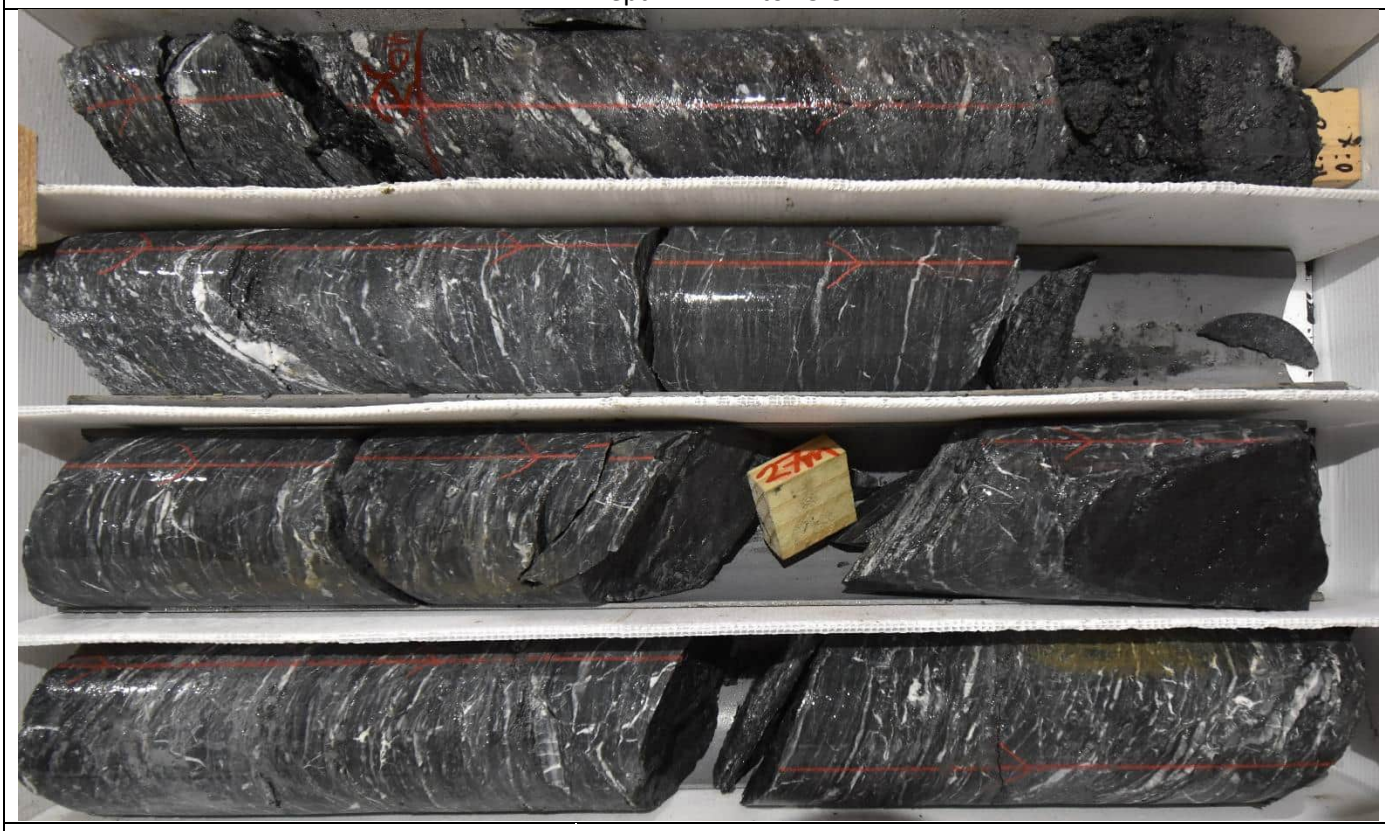
Depth: 22.5m to 24.2m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



Depth: 24.2m to 25.8m



Depth: 25.8m to 27.7m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title: **MDD333 - CORE PHOTOGRAPHS**



Depth: 27.7m to 29.45m



Depth: 29.45m to 31.5m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



Depth: 31.5m to 33.2m



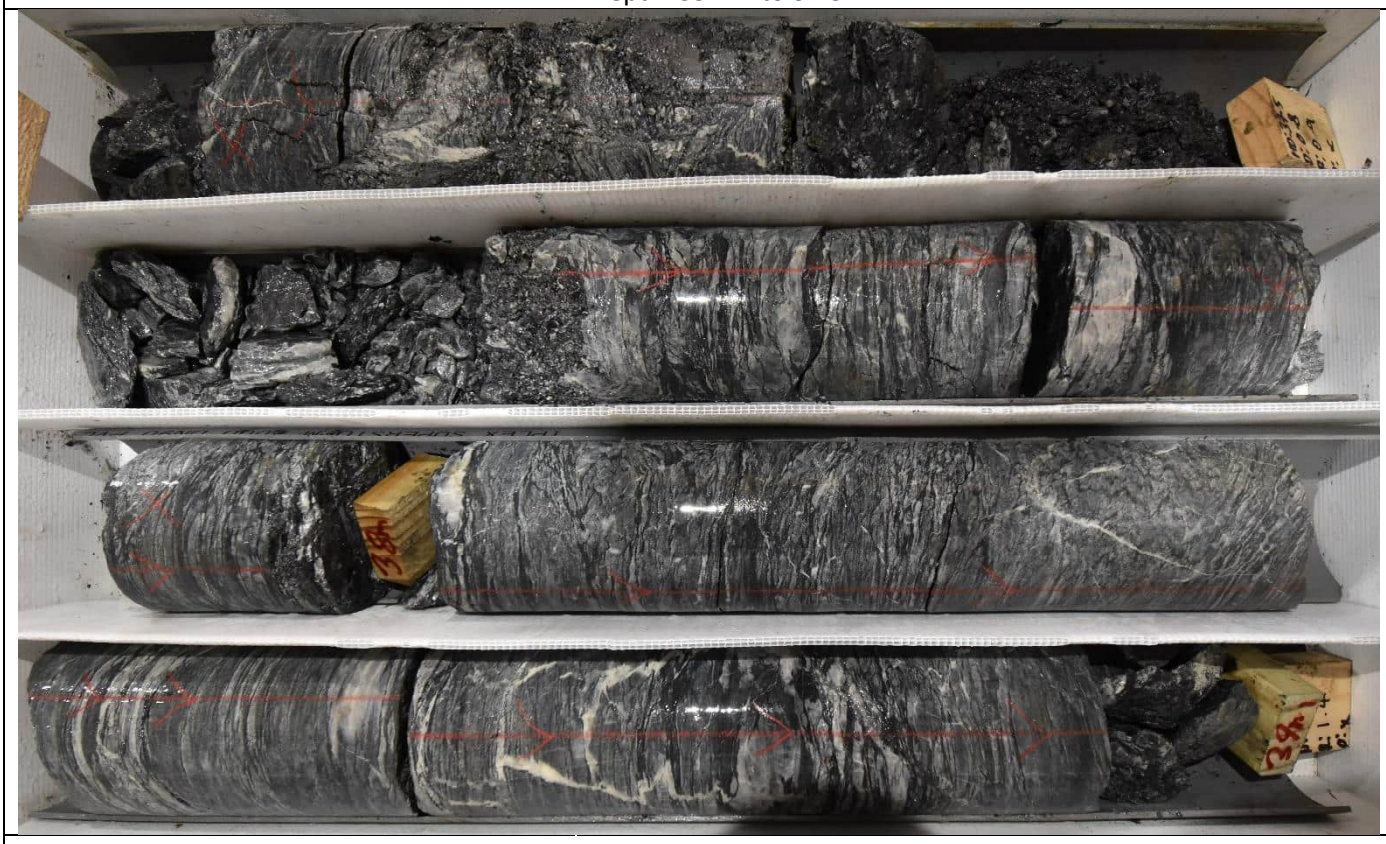
Depth: 33.2m to 35.2m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



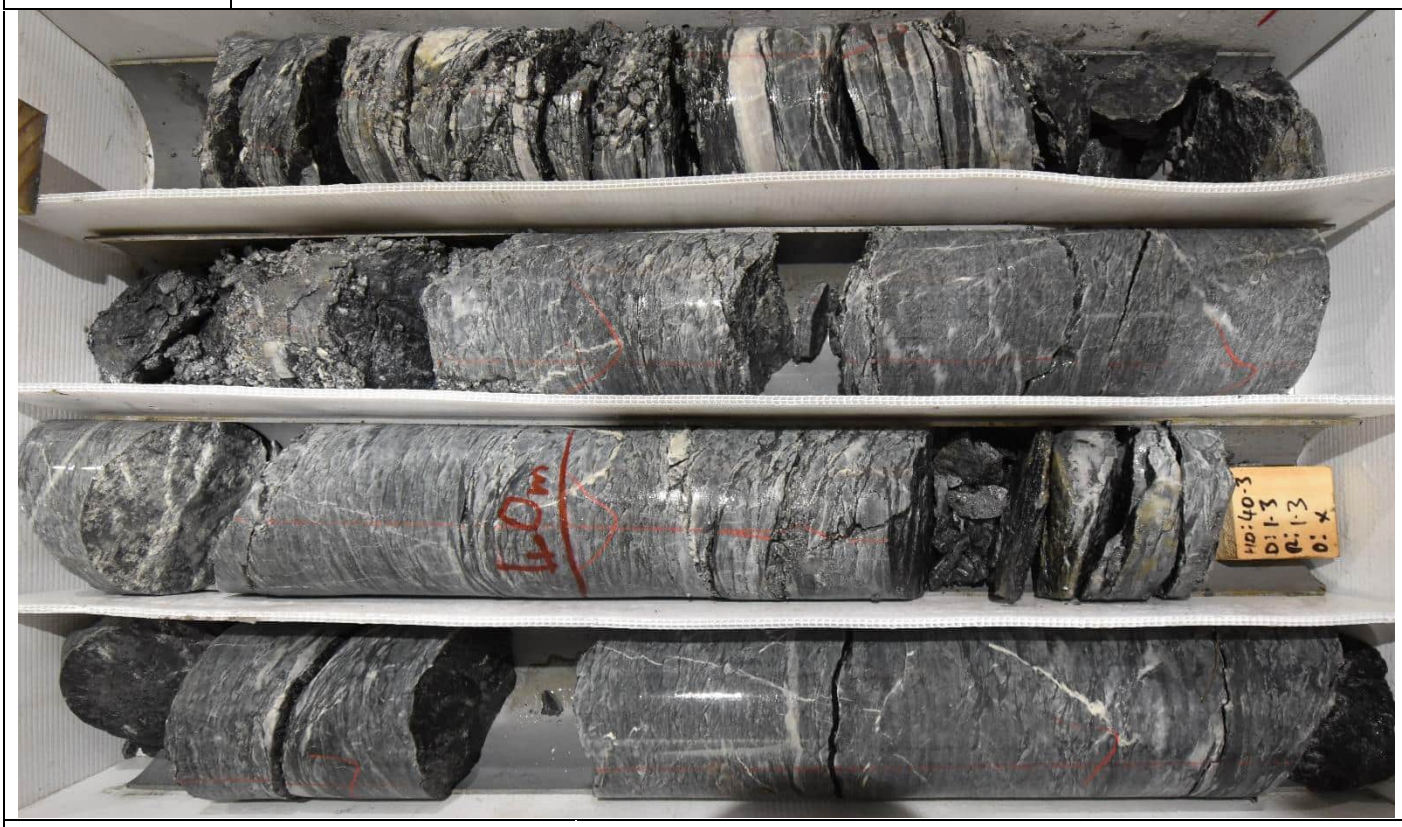
Depth: 35.2m to 37.3m



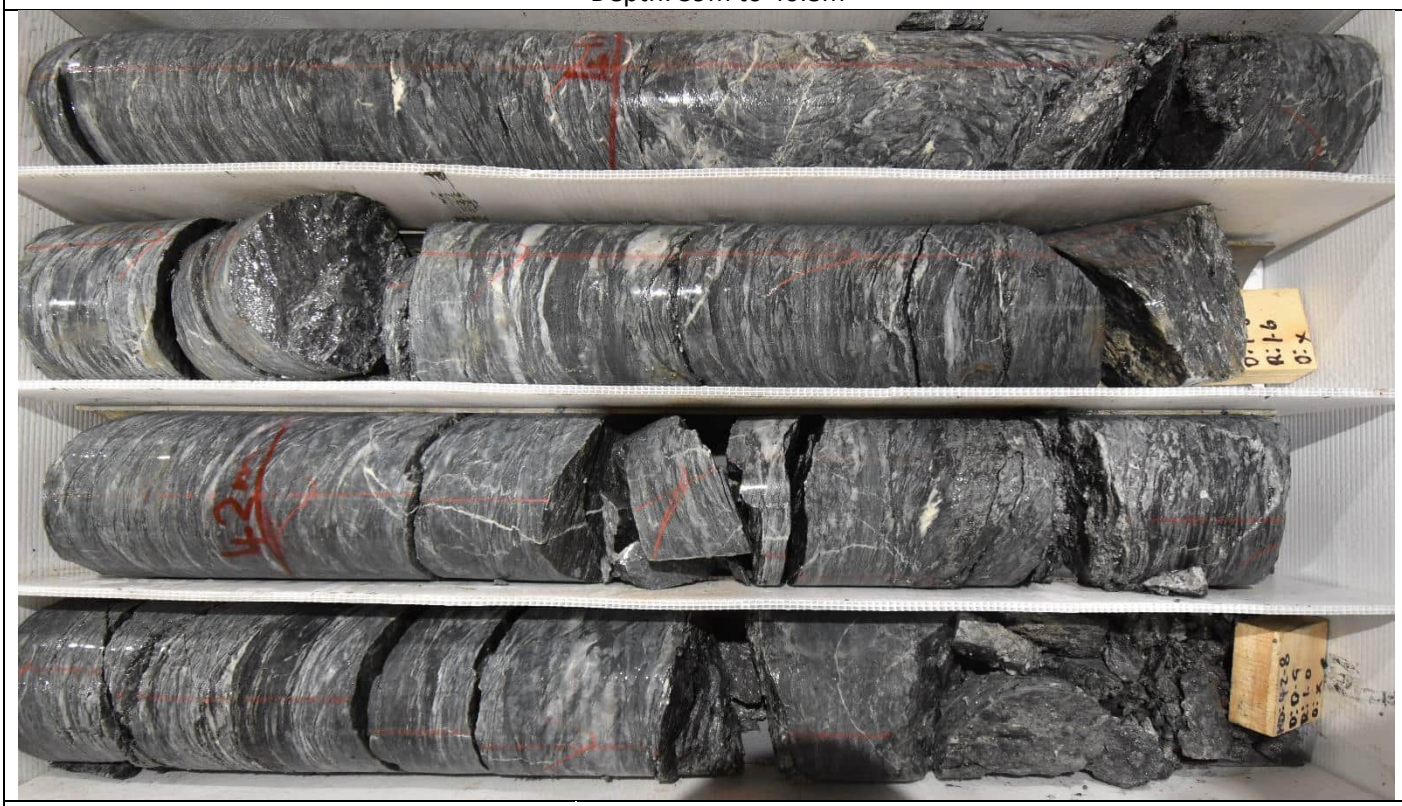
Depth: 37.3m to 39m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



Depth: 39m to 40.8m



Depth: 40.8m to 42.8m

EGL Geotechnical, Earthquake and Dam Engineers / SANTANA MINERALS LIMITED	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12 June 2024	**End Date**	14 June 2024

Title:	**MDD333 - CORE PHOTOGRAPHS**



Depth: 42.8m to 45.0m

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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD333

SHEET 1 OF 10

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5016220.3 North 1318602.7
GRID: NZTM 2000

RL GROUND: 741.0
DATUM: NZVD 2016

HOLE STARTED: 12/06/2024
HOLE FINISHED: 14/06/2024
HOLE DEPTH: 45.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	DEPTH RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TS	Topsoil		741.0													
			0.1													
Colluvium	Gravelly sandy SILT, fine to coarse gravel, greyish brown mottled brownish grey and grey		740.9								0.60	0				
		1						VW			0.60	0				
							CW				0.50	0				
		2									0.60	0				
	Silty sandy GRAVEL, fine to coarse gravel, greyish brown mottled brownish grey and grey		2.1 738.9								0.30	50				
			2.8					W			0.20	50				
	Core loss		738.2	C/L							0.10	0				
		3	3.0								0.10	0				
TZ3	Washed Pelitic Schist fragments, brown, polyhedral up to 20mm		738.0								0.10	55				
											0.10	0				
											0.10	0				
							MW				0.10	24				
											0.10	0				
											0.20	0				
	Washed Pelitic Schist fragments, grey, tabular up to 60mm by 20mm		3.7 737.3					W			0.20	50				
		4									0.10	23				
											0.30	0				
							SW	W			0.30	0				
	Washed Pelitic Schist fragments, brown, polyhedral up to 20mm		4.5 736.5					MS								
					foliation, 65°, smooth, planar, clean, foliation no ori line just captured dip		UW	W			0.30	0				
								MS			0.20	75				
			5.0													

Groundwater Not Encountered

NOTES:

LOGGED: JF
CHECKED: PC
DRILLER:
DRILL TYPE:

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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD333

SHEET 2 OF 10

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5016220.3 North 1318602.7
GRID: NZTM 2000

RL GROUND: 741.0
DATUM: NZVD 2016

HOLE STARTED: 12/06/2024
HOLE FINISHED: 14/06/2024
HOLE DEPTH: 45.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Washed Pelitic Schist fragments, grey, tabular up to 60mm by 20mm		736.0					MS			0.20	75				
	Pelitic Schist, grey and light grey. Moderately deformed gently inclined foliation		5.2 735.8								0.60	67				
	Washed Pelitic Schist fragments, tabular up to 60mm by 30mm		5.5 735.5		joint, 54°, defined ridges, irregular, clean, fbroken irregular face wavey texture, likely crenular texture		UW	S								
	Pelitic Schist, grey and dark grey. Highly deformed foliation. clay smear on core		5.7 735.3		shear zone, 78°, very rough, planar, clay/gouge, clay filled fault 2cm wide						0.60	75				
		6			shear zone, 58°, very rough, planar, clay/gouge, clay filled fault 2cm wide											
	Pelitic Schist fragments, grey, polyhedral up to 20mm		6.1 734.9													
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation		6.3 734.7													
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation		6.5 734.5		foliation parting, 59°, rough, planar, clean, clean break foliation foliation parting, 77°, rough, planar, rock fragments, rock fragson foliation surface.			S			0.80	80				
	Pelitic Schist, grey and dark grey. Moderately deformed steeply inclined to subvertical foliation	7	7.0 734.0		joint, 59°, rough, irregular, rock fragments, irregular surface rock fraged face		UW									
	7.3m: Fold present in foliation				fold axis, 60°, rough, stepped, rock fragments, measurement should be retaken on rocket launcher, dip taken of brocken face likely be foliation, lineation needs to be taken at shed						0.40	73				
	Pelitic Schist, grey and dark grey. Highly deformed foliation.		7.3 733.7					VS								
					shear zone, 44°, rough, planar, clay/gouge, clay filled faault 25mm wide foliation, 56°, smooth, undulating, clean, wavey surface crest of f2 f3 in measure surface good lineation of fold access. No ori line						0.70	0				
		8														
	8.1m - 8.1m: Fold present in foliation				fold axis, 40°, smooth, planar, clean, measurent inaccurate, f3 fold in tz3 strong kink			W								
			8.4 732.6					S			0.40	80				
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation				foliation parting, 70°, smooth, planar, clean, undulatiing surface stronglyfolded											
	Pelitic Schist fragments, grey, polyhedral up to 20mm		8.6 732.4	C/L							0.10	0				
	Core loss		8.8 732.2								0.10	0				
	Washed Pelitic Schist fragments, grey, polyhedral up to 20mm							W			0.10	14				
		9									0.10	30				
	Core loss		9.0 732.0	C/L			UW				0.10	0				
			9.2 731.8								0.10	0				
	Pelitic Schist fragments, grey, polyhedral up to 20mm 9.3m - 9.4m: Clay present, unkown if on outside only										0.20	92				
			9.4 731.6													
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation 9.5m: Fold present in foliation				foliation parting, 70°, smooth, planar, clean, foliation shear, 80°, slickensided, planar, clean, measurement contacted on UHC of F3 fold surface, tecinically foliation shear?			MS			0.40	71				
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation 9.7m: Fold present in foliation		9.7 731.3								0.70	77				

Groundwater Not Encountered

NOTES:

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DRILLER:
DRILL TYPE:

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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD333

SHEET 3 OF 10

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5016220.3 North 1318602.7
GRID: NZTM 2000

RL GROUND: 741.0
DATUM: NZVD 2016

HOLE STARTED: 12/06/2024
HOLE FINISHED: 14/06/2024
HOLE DEPTH: 45.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation	11	10.5 730.5		joint, 86°, rough, irregular, clean, 3 joint fractures coinsidering together, splayed across core joint shear, 80°, slickensided, planar, clean, planar with slicken slide surface texture x cuts foliation joint, 20°, rough, stepped, clean, shallow dipping joint fracture		UW	MS			0.70	77		Groundwater Not Encountered		
	Pelitic Schist fragments, grey, tabular up to 60mm by 30mm		10.7 730.3		joint, 70°, smooth, irregular, clay/gouge, residure of 1mm blue clay on surface, core very brittle, most pronouced fracture measured joint, 82°, rough, stepped, clay/gouge, residure of 1mm blue clay on surface, core very brittle, most pronouced fracture measured foliation parting, 70°, smooth, planar, clean, foliation, 80°, rough, irregular, clay/gouge, clay filled fracture/foliation, irregurlar surface joint shear, 15°, rough, planar, clay/gouge, shallow slickened joint fracture running up hole						0.70	69				
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation	12			crush zone, 88°, very rough, planar, rock fragments, steeply dipping crush zone, cavity filled with rock fragments approx 10-30mm wide planar joint, 81°, very rough, irregular, rock fragments, fractured material x cutting core surface, carbanate infulx, vertical streaks of carb overlaying folation perpenticular joint, 50°, rough, planar, rock fragments, moderate dipjoint vein type 3, 85°, 0, planar, carbonate, dipping up hole joint, 86°, smooth, planar, rock fragments, at least 4 fractures over space of 20mm terminanting into schist, fracture measeared at the top of fracturing zone						1.10	82				
	Pelitic Schist fragments, grey, tabular up to 60mm by 40mm	13	12.7 728.3		foliation, 87°, rough, planar, clay/gouge, py specks over surface of qz band, 80mm thick with cholrite qz fill joint shear, 30°, very rough, planar, clay/gouge, 5mm wide shear x cutting foliation foliation parting, 79°, rough, planar, rock fragments, half a mm of clay residue on face but more fractured material foliation shear, 80°, slickensided, undulating, clean, wavey surface			W			0.70	64				
	Fractured Pelitic Schist, grey and light grey. Highly deformed foliation	14	13.5 727.5		foliation shear, 85°, smooth, planar, clay/gouge, clay filled smooth surface foliation, 89°, stepped, planar, clean, stepped foliation looks like you couldclimb it joint, 78°, very rough, irregular, rock fragments, terminates across core shear zone, 65°, very rough, undulating, clay/gouge, clayfilled with veinlet of py 2mm wide following edge of micro fault 10mm wide. Contects too joint			MS			0.40	72				
	Pelitic Schist fragments, grey, tabular up to 60mm by 20mm		14.4 726.6		joint shear, 82°, rough, planar, clay/gouge, faulted zone 30mm wide with fractures followfault plane, joint, 86°, rough, irregular, clean, irregular surface rock fraged face						1.10 0.40 0.20	91 92 75					

NOTES:

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DRILL TYPE:

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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD333

SHEET 4 OF 10

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5016220.3 North 1318602.7
GRID: NZTM 2000

RL GROUND: 741.0
DATUM: NZVD 2016

HOLE STARTED: 12/06/2024
HOLE FINISHED: 14/06/2024
HOLE DEPTH: 45.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Pelitic Schist fragments, grey, tabular up to 60mm by 20mm		15.1 725.9		foliation parting, 88°, smooth, undulating, clean, steeply dipping and hammocky surface i.e wavey		UW	MS			0.20	75		Groundwater Not Encountered		
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation				foliation parting, 87°, rough, planar, clean, level laminated schist						0.60	0				
	Pelitic Schist, grey and light grey. Highly deformed foliation		15.4 725.6													
	Pelitic Schist fragments, grey, polyhedral up to 20mm	16	15.7 725.3		foliation parting, 87°, smooth, planar, clean, near vertical dip. Slight time up hole			W			0.70	71				
	Core loss		16.4 724.6	C/L							0.10	0				
			16.6 724.4								0.10	0				
	Pelitic Schist, grey and dark grey. Moderately deformed moderately to steeply inclined foliation				foliation parting, 78°, smooth, undulating, clay/gouge, venear of clay over black smoother surface. Was able to break with hand. Low strength						0.10	78				
		17			foliation shear, 35°, polished, planar, clay/gouge, polished surface of black clay fill 10mm wide			S			0.80	31				
			17.3 723.7		joint, 80°, rough, planar, rock fragments, rought face		UW	W								
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation				joint, 65°, rough, undulating, rock fragments, joint x cutting puggy core with rock fragmented face											
			17.8 723.2		foliation parting, 70°, rough, planar, clean, rought surface in puggy tz3 core		UW	S			0.60	66				
	Pelitic Schist, grey and dark grey. highly deformed foliation. clay present on core															
	17.9m: Clay seam 50mm wide, moderately inclined	18			joint, 86°, rough, planar, clay/gouge, puggy tz3 with clay skin, rock inside shows irrgeulatr rock surface		UW										
	18.0m: Clay seam 50mm wide, moderately inclined						UW				0.40	0				
					joint, 89°, rough, irregular, rock fragments, vertical face slight dip up hole			MS								
		19	19.0 722.0		foliation shear, 40°, slickensided, polished, clean, change infoliation less deformed steeper		UW				1.00	0				
	Pelitic Schist, grey and dark grey. Moderately deformed moderately to steeply inclined foliation															
					foliation parting, 52°, smooth, planar, clean, undulating surface with semi smoother surface borderline rough											
	19.8m - 19.8m: Crush seam, fragments up to 8mm within clay matrix; 50mm wide, gently inclined		19.8 721.2								0.90	0				
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation		20.0													

NOTES:

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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD333

SHEET 5 OF 10

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5016220.3 North 1318602.7
GRID: NZTM 2000

RL GROUND: 741.0
DATUM: NZVD 2016

HOLE STARTED: 12/06/2024
HOLE FINISHED: 14/06/2024
HOLE DEPTH: 45.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	DEPTH RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation		721.0		shear zone, 40°, very rough, planar, clay/gouge, 60mm wide fault		UW	MS			0.90	0		Groundwater Not Encountered		
	Pelitic Schist fragments, grey, tabular up to 60mm by 20mm 20.3m: Clay seam 50mm wide, steeply inclined		20.3 720.7		crush zone, 88°, very rough, planar, rock fragments, crush zone at base of run, potenially driller inducedbut looks natural joint, 85°, very rough, irregular, rock fragments, jointed face dhc core above very broken						0.20	0				
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation		20.6 720.4		joint, 85°, very rough, irregular, rock fragments, roughfracture x cutting rock			MS			0.70	0				
		21			shear zone, 70°, rough, planar, clay/gouge, pug filled 70cm fault joint, 70°, very rough, planar, rock fragments, roughtrock fraged break											
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation		21.7 719.3		joint, 78°, rough, planar, clean, rought steep dip						1.20	0				
		22			joint shear, 65°, smooth, planar, sulphides, smooth face with py semi polished across face											
	Pelitic Schist, grey and dark grey. Slightly deformed subhorizontal to gently inclined foliation		22.7 718.3		shear zone, 90°, rough, planar, rock fragments, diiping slightly up hole shear zone, 40°, rough, planar, clay/gouge, uh measuresment joint shear, 70°, slickensided, planar, chlorite, chloritic slickentslide fill		UW	VS			1.00	0				
		23			foliation parting, 80°, smooth, undulating, clay/gouge, undulatingsurface with 1mm clay residue on surface foliation, 88°, polished, undulating, clean, mirrror finish joint, 82°, very rough, irregular, rock fragments, rock frags in brocken bit foliation shear, 60°, polished, polished, sulphides, pyrite filled folation shear, mirrow polish joint shear, 70°, slickensided, planar, chlorite, chloritic slickentslide fill joint, 65°, rough, planar, rock fragments, rough joint DHC joint, 55°, smooth, planar, clean, joint downhole measurement						0.70	0				
	Pelitic Schist fragments, grey, polyhedral up to 50mm	24	24.0 717.0		foliation, 80°, smooth, planar, clean, uh measuresment joint, 86°, polished, planar, sulphides, pyrites surface with black venear clay			W									
	Pelitic Schist, grey and dark grey. Slightly deformed subhorizontal to gently inclined foliation		24.2 716.8		joint, 73°, polished, planar, sulphides, pyrites surface with black venear clay joint, 80°, rough, irregular, rock fragments, rock fragmented surface joint, 88°, smooth, planar, clean, steeply dipping planar joint foliation, 82°, rough, stepped, clean, stepped foliation but near vertical			MS			0.50	53				
	Crush zone, grey, polyhedral blocks up to 8mm within a matrix		24.8 716.2		joint shear, 70°, smooth, planar, clay/gouge, possible fautl but put in						0.70	0				

NOTES:

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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD333

SHEET 6 OF 10

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5016220.3 North 1318602.7
GRID: NZTM 2000

RL GROUND: 741.0
DATUM: NZVD 2016

HOLE STARTED: 12/06/2024
HOLE FINISHED: 14/06/2024
HOLE DEPTH: 45.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	DEPTH RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Crush zone, grey, polyhedral blocks up to 8mm within a matrix Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation Pelitic Schist, grey and dark grey. Moderately deformed moderately to steeply inclined foliation Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation Pelitic Schist fragments, grey, polyhedral up to 50mm Pelitic Schist, grey and dark grey. highly deformed foliation Crush zone, grey, polyhedral blocks up to 15mm within a matrix Pelitic Schist, grey and dark grey. Moderately	26 27 28 29	25.1 716.0 25.2 715.8 25.6 715.4 26.4 714.6 27.0 714.0 27.8 713.2 28.2 712.8 29.1 711.9 29.5 711.6 29.8 711.2 29.9 711.1		as joint shear as it has been sheared foliation parting, 80°, smooth, polished, clean, clean foliation crush zone, 85°, rough, irregular, rock fragments, crush zone 30mm wide fragmented material fill joint, 75°, rough, irregular, rock fragments, softer material in joint, slight chloritic influx in foliation foliation shear, 80°, very rough, planar, rock fragments, brittle host jointsome what following foliation shear zone, 85°, very rough, planar, clay/gouge, puggy fault 10cm long joint, 86°, rough, planar, clean, cleanface clean break no fill joint, 70°, rough, planar, clean, clean face now fill joint shear, 71°, slickensided, planar, clean, slicken slide semi polished face joint shear, 10°, polished, planar, rock fragments, shallow joint shear with black venear of clay 2mm wide clay layer foliation parting, 80°, rough, planar, rock fragments, foliation break joint shear, 50°, smooth, planar, clay/gouge, semi sheared joint with pug clay fill, more of the same up 10 cm joint, 65°, rough, planar, rock fragments, rock fragment fill fracture foliation parting, 80°, rough, planar, rock fragments, rough surface clean break foliation parting, 70°, rough, planar, rock fragments, rough foliatio break joint shear, 40°, smooth, planar, clay/gouge, clay filledsurfaceblackclay shear zone, 20°, smooth, planar, clay/gouge, clay filld surface pug androck fragment fill zone joint shear, 5°, polished, planar, clay/gouge, clay slip surface joint shear, 3°, slickensided, irregular, clay/gouge, very shallow dipping uh measurement foliation parting, 70°, smooth, planar, clay/gouge, clay filled break shear zone, 5°, rough, planar, rock fragments, rock fragment filled very		UW UW UW UW UW	MS W S W S W S			0.70 1.00 1.30 0.70 0.80 1.20	0 0 0 0 75 0		Groundwater Not Encountered		

NOTES:

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DRILL TYPE:

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PO Box 301054, Albany, Auckland 0752
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SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD333

SHEET 7 OF 10

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5016220.3 North 1318602.7
GRID: NZTM 2000

RL GROUND: 741.0
DATUM: NZVD 2016

HOLE STARTED: 12/06/2024
HOLE FINISHED: 14/06/2024
HOLE DEPTH: 45.0m
INCLINATION: Vertical
ORIENTATION:

GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	DEPTH RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
	deformed gently to moderately inclined foliation				soft schist, crumbles in hand joint shear, 80°, rough, planar, clay/gouge, pug filled joint break joint shear, 75°, rough, planar, clay/gouge, sttep dipj oint shear zone, 65°, smooth, planar, clay/gouge, 20mm wide foliation, 72°, smooth, planar, clean, foliation break joint shear, 45°, slickensided, planar, clean, slicken slide semi polished face			S MS S			1.20	0				
TZ3	Pelitic Schist, grey and dark grey. slightly deformed steeply inclined foliation 31.1m - 31.2m: Crush seam, fragments up to 10mm no matrix; 50mm wide, triangular shape in core	31	30.8 710.2 31.2 709.8		joint, 75°, rough, planar, clean, zoneof 20cm of heavly fractured area at least 7 fractures crush zone, 60°, very rough, planar, rock fragments, brittle broken joint, 2°, rough, planar, rock fragments, fracture heading uphole		UW	S MS S			1.10	0				
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation				joint, 65°, smooth, planar, clean, uhc joint, 60°, very rough, irregular, rock fragments, rock fragmented surface foliation parting, 50°, rough, planar, clay/gouge, uhcmeasurement terminatesinto joint			S			0.50	0				
	Pelitic Schist fragments, grey, polyhedral bimodal distribution, approx 20mm and 50mm	32	32.0 709.0		shear zone, 80°, rough, planar, rock fragments, larged brittle schist zonemeasureed aslargestructure		UW				1.20	0				
	Pelitic Schist, grey and dark grey. Highly deformed foliation 32.3m - 32.5m: Three Crush seams, fragments up to 8mm within clay matrix; 50mm wide, gently inclined, spaced 60mm apart		32.2 708.8		foliation, 80°, rough, planar, clay/gouge, clay filled foliation surface											
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation	33	33.0 708.0		joint, 45°, rough, planar, clay/gouge, roughish surfacethink layer1mm of clay on jointsurface foliation shear, 40°, smooth, planar, clay/gouge, smoothingfacewithsomeminor slickensurface		UW				1.10	0				
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation		33.5 707.5		joint shear, 80°, smooth, planar, clay/gouge, smooth clay filled joint joint shear, 70°, smooth, planar, clay/gouge,											
	Pelitic Schist, grey and dark grey. Highly deformed foliation		33.8 707.2		shear zone, 30°, smooth, planar, clay/gouge, clay gouge filled with rock fragments10mm wideapprox joint shear, 75°, smooth, planar, clay/gouge, steeply dipping joint											
on Gorge	Sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm	34	34.2 706.8		shear zone, 48°, smooth, undulating, clay/gouge, tgf tz3 contact, very rough measurement hard to gage contact		UW	W								
TZ4	Psammitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation		34.4 706.6													
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation		34.6 706.4		joint, 70°, rough, irregular, clean, clean break		UW	S			1.20	0				

Groundwater Not Encountered

NOTES:

LOGGED: JF
CHECKED: PC
DRILLER:
DRILL TYPE:

EGL - SMI Rock Log - 10/07/2024 8:57:07 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers
Engineering Geology Ltd
+64 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD333

SHEET 8 OF 10

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5016220.3 North 1318602.7
GRID: NZTM 2000

RL GROUND: 741.0
DATUM: NZVD 2016

HOLE STARTED: 12/06/2024
HOLE FINISHED: 14/06/2024
HOLE DEPTH: 45.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	DEPTH RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ4	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation				foliation, 50°, smooth, planar, clean, mostly very undulatingin core hard to find clear measurement		UW	S			1.20	0		Groundwater Not Encountered		
					shear zone, 70°, rough, planar, rock fragments, brittle fault		UW	MS								
					foliation shear, 80°, smooth, planar, rock fragments, crumberly joint shearclay androck fragments											
	Psammitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation		35.9 705.1													
		36									1.20	0				
	Psammitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation		36.3 704.7		joint, 3°, rough, planar, rock fragments, frature running up hole		UW	S								
					joint shear, 60°, slickensided, planar, clean, uh measurement clean											
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation		36.7 704.3		joint, 70°, rough, undulating, rock fragments, undulating join has wavey tsurface texture						0.80	0				
					foliation parting, 85°, rough, irregular, clean, steeply dipping foliation											
		37			foliation parting, 63°, rough, undulating, rock fragments, tappering outtoshallowerdip											
	37.4m: Crush seam, fragments up to 10mm within clay matrix; 50mm wide, gently inclined				joint, 55°, rough, planar, clean, planar and rough surface											
			37.3 703.7		shear zone, 60°, rough, planar, clay/gouge, clay pug filled fault 30mm wide		UW	MS								
	Crush zone, grey, polyhedral blocks up to 10mm within a sand matrix		37.5 703.5		joint, 89°, rough, irregular, rock fragments, near vertical aloha			W								
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation				shear zone, 86°, rough, planar, rock fragments, slight uphole dip brittle pug and fracturing further up											
					foliation, 85°, smooth, planar, clean, strong core lot of qz											
		38			foliation parting, 84°, rough, stepped, rock fragments, stepped folation parting						1.50	0				
			38.4 702.6				UW	VS								
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation		38.5 702.5													
	Pelitic Schist, grey and dark grey. Slightly deformed subhorizontal inclined foliation															
					vein type 3, 5°, smooth, planar, carbonate, shallow dipping uh vein 3 8mm wide and 15ccm long over core, intact not breaks											
			38.9 702.1													
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation	39														
			39.1 701.9		foliation parting, 86°, defined ridges, planar, clean, defined ridges definitely not slickens											
	Fractured Pelitic Schist, grey and light grey. Highly deformed foliation		39.2 701.8				UW				1.30	0				
	Pelitic Schist, grey and dark grey. Slightly deformed subhorizontal inclined foliation		39.3 701.7													
	Crush zone, grey, polyhedral blocks up to 10mm within a matrix		39.4 701.6		shear zone, 60°, smooth, undulating, clay/gouge, undulating jfault clay been compaced on contact to tz4 host rock, appears smooth and wavey			MS								
	Psammitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation				joint, 30°, very rough, planar, rock fragments, rock fragment filled joint approx 5mm wide		UW	S								
					joint, 60°, rough, planar, clean, rock fragmentted but clean break											
					joint shear, 80°, slickensided, planar,											

NOTES:

LOGGED: JF
CHECKED: PC
DRILLER:
DRILL TYPE:

EGL - SMI Rock Log - 10/07/2024 8:57:07 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers
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PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

SANTANA MINERALS LIMITED

DRILLHOLE No.: MDD333

SHEET 9 OF 10

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5016220.3 North 1318602.7
GRID: NZTM 2000

RL GROUND: 741.0
DATUM: NZVD 2016

HOLE STARTED: 12/06/2024
HOLE FINISHED: 14/06/2024
HOLE DEPTH: 45.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ4	Psammitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation	41	41.0 700.0		clean, slicken slide surface cleanly been pulled apart vein type 3, 11°, smooth, planar, carbonate, carb vein approx 5mm wide heading up hole foliation parting, 65°, rough, planar, clean, rought face		UW	S			1.30	0		Groundwater Not Encountered		
	Pelitic Schist, grey and dark grey.Highly deformed foliation		41.2 699.8		foliation parting, 70°, smooth, planar, clean, flat smoothsurface		UW	VS			1.60	0				
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation	42			shear zone, 70°, smooth, planar, clay/gouge, large zone of heavley folded schisosity with pugclay 30mm at base foliation parting, 80°, rough, irregular, clean, rock face fracture joint, 58°, rough, planar, clean, fracture shallower dip foliation parting, 60°, smooth, planar, sulphides, pyriates specked in blebsacroos surface joint, 80°, rough, irregular, clean, crosscuts foliation shear zone, 70°, rough, planar, clay/gouge, 20mm widepug fault shear zone, 84°, very rough, planar, clay/gouge, clay gouge filled fault with some platey rock fragemtns foliation shear, 70°, very rough, irregular, rock fragments, crush zone/ sheare jointunsure?		UW	S			0.90	0				
		43			foliation parting, 80°, rough, planar, clean, fol joint, 80°, defined ridges, planar, clean, dipping down hole joint, 9°, very rough, irregular, clean, fla lyingfracturedownholemeasurement foliation parting, 80°, smooth, planar, clean, planar dip foliation parting, 88°, smooth, planar, clay/gouge, thin layer of black clay on surface						0.70	0				
		44			foliation shear, 70°, rough, planar, clay/gouge, 20-30mm wide foliation shear some pugfill, py blebs on foliation planes 2mm wide round foliation parting, 75°, smooth, planar, clean, clean folition break						0.50	0				
			45.0													

NOTES:

LOGGED: JF
CHECKED: PC
DRILLER:
DRILL TYPE:

EGL - SMI Rock Log - 10/07/2024 8:57:07 am - Produced with Core-GS by Geroc

EGL
Geotechnical, Earthquake and Dam Engineers
Engineering Geology Ltd
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PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

SANTANA MINERALS LIMITED

DRILLHOLE No.: **MDD333**

SHEET 10 OF 10

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 5016220.3 North 1318602.7
GRID: NZTM 2000

RL GROUND: 741.0
DATUM: NZVD 2016

HOLE STARTED: 12/06/2024
HOLE FINISHED: 14/06/2024
HOLE DEPTH: 45.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	*DEPTH* RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	EOH: 45.00 m															

NOTES:

LOGGED: JF
CHECKED: PC
DRILLER:
DRILL TYPE:

EGL - SMI Rock Log - 10/07/2024 8:57:07 am - Produced with Core-GS by Geroc

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers	Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz	Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD362 - CORE PHOTOGRAPHS				



Depth: 0 m to 1.3m



Depth: 1.3 m to 3 m

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD362 - CORE PHOTOGRAPHS				



Depth: 3m-6m



Depth: 6m-8.65m

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD362 - CORE PHOTOGRAPHS				



Depth: 8.65m-10m

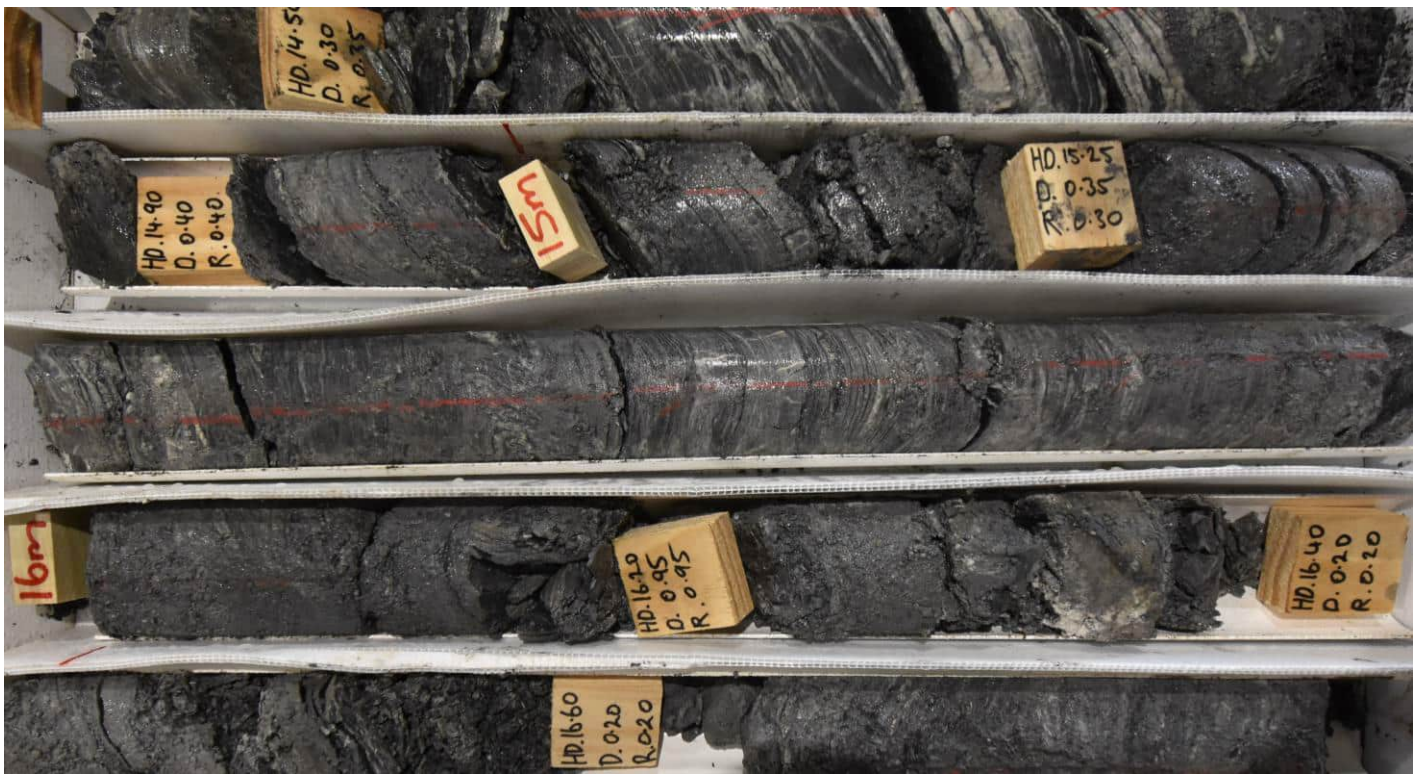


Depth: 10 m-12.35 m

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers	Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz	Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD362 - CORE PHOTOGRAPHS				



Depth: 12.35m-14.45m



Depth: 14.45m-16.8m

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD362 - CORE PHOTOGRAPHS				

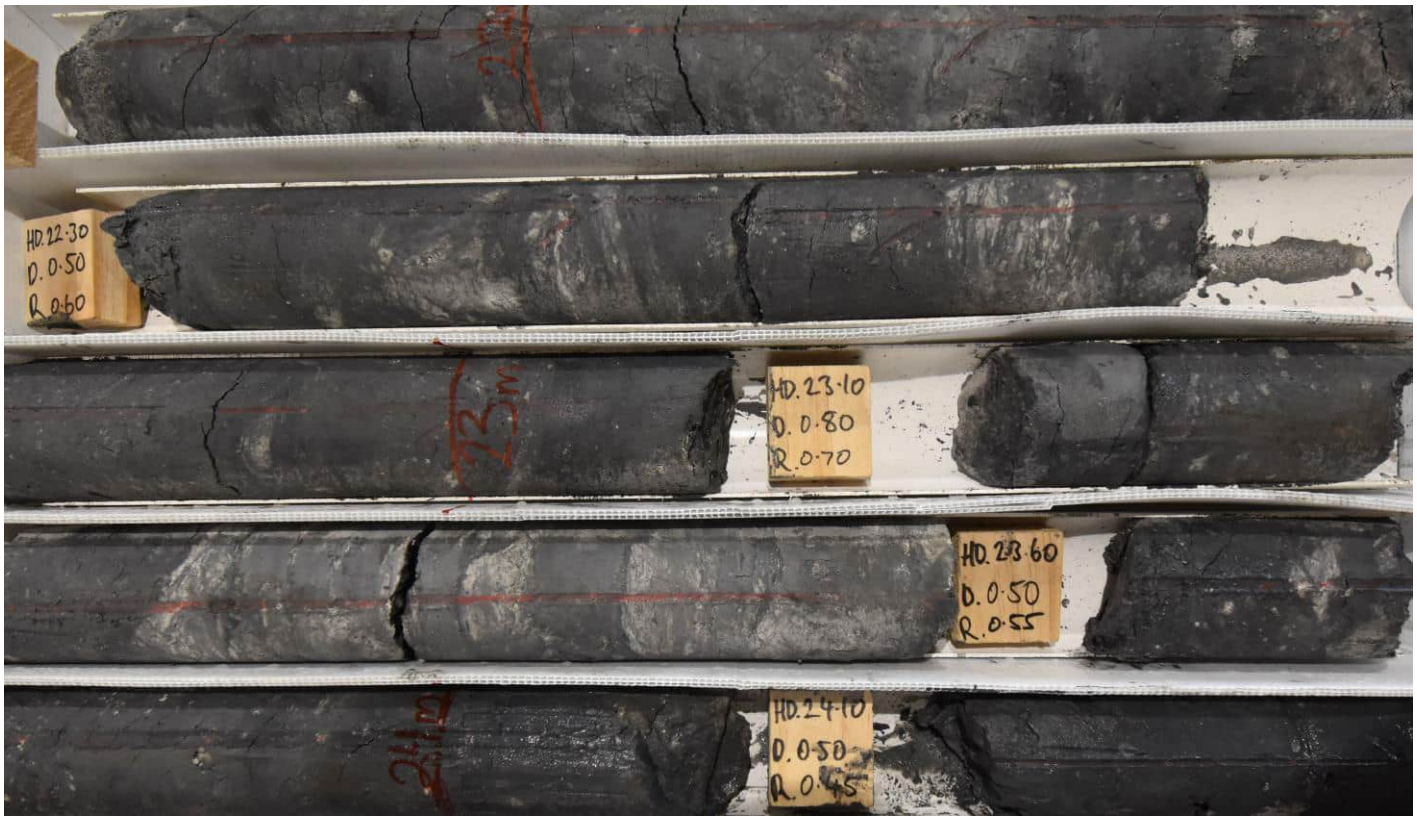


Depth: 16.8 m-19.35m



Depth: 19.35m-21.8m

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD362 - CORE PHOTOGRAPHS				

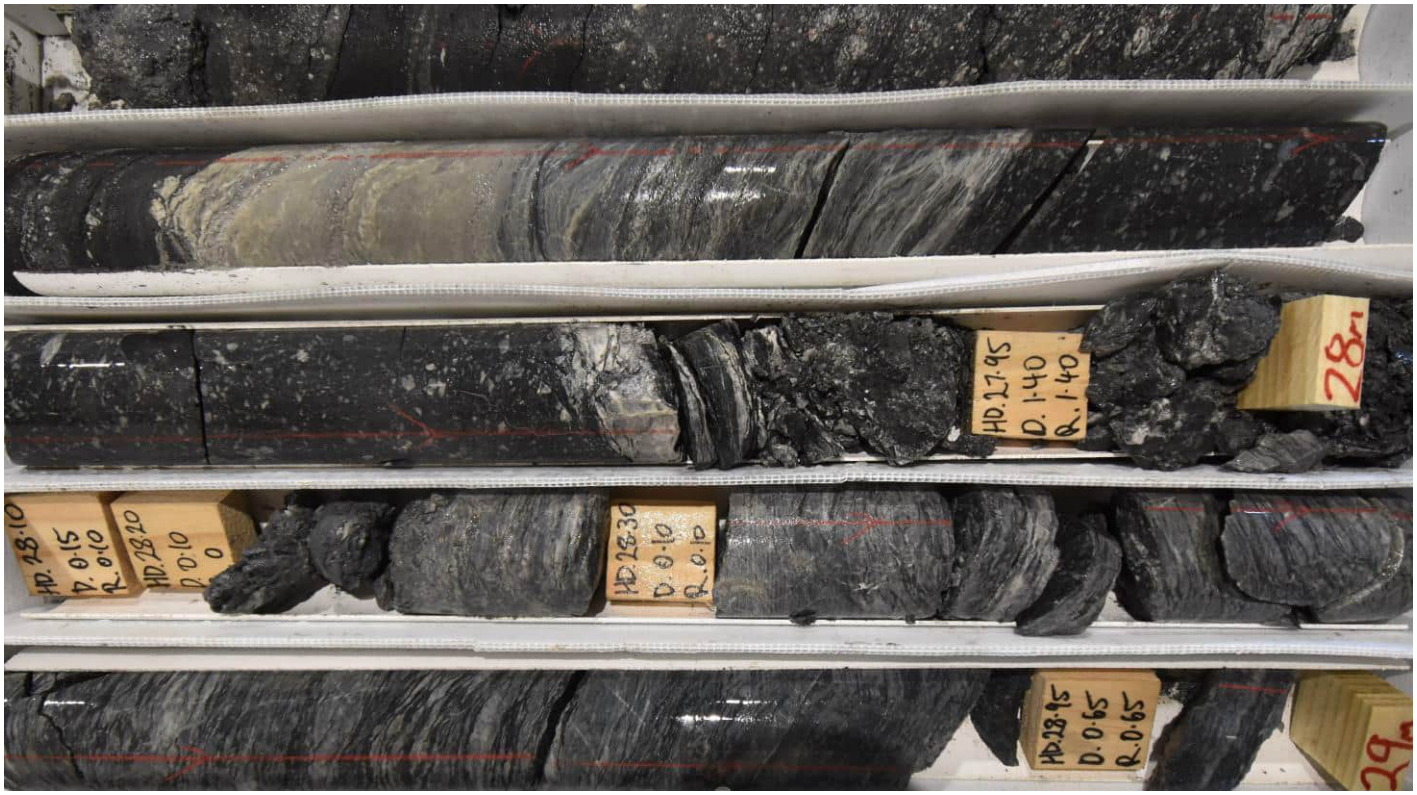


Depth: 21.8m-24.3m

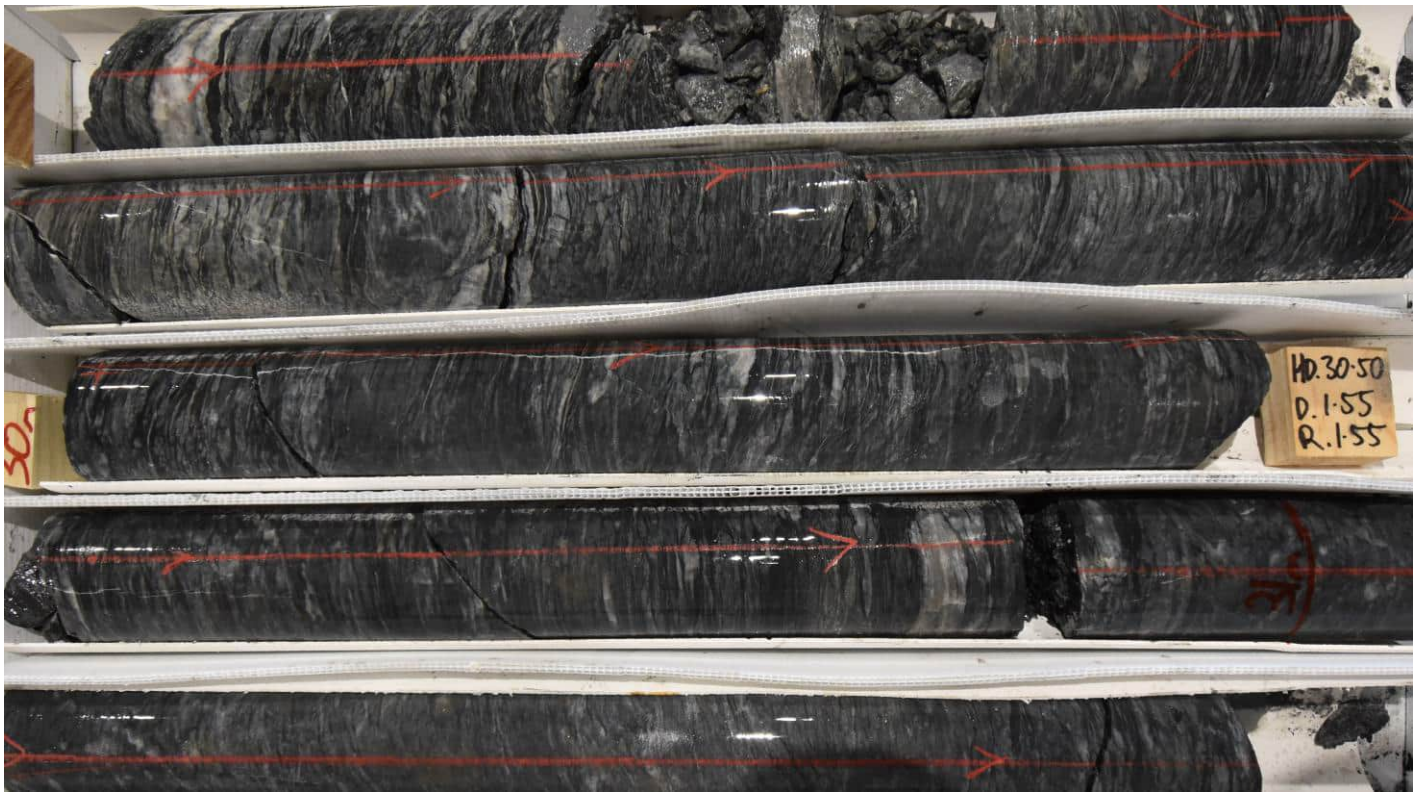


Depth: 24.3m – 26.55m

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD362 - CORE PHOTOGRAPHS				

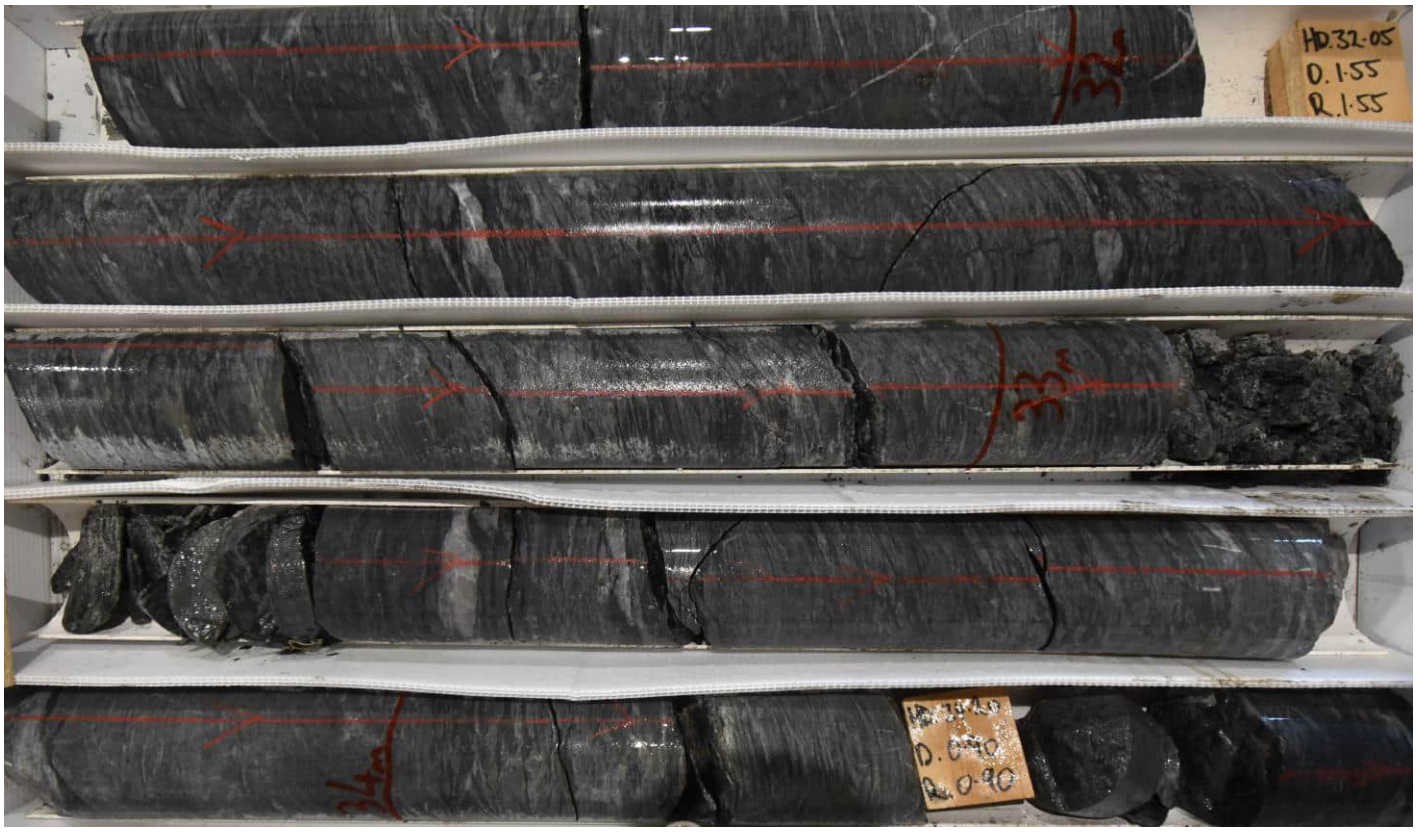


Depth: 26.55m-29m

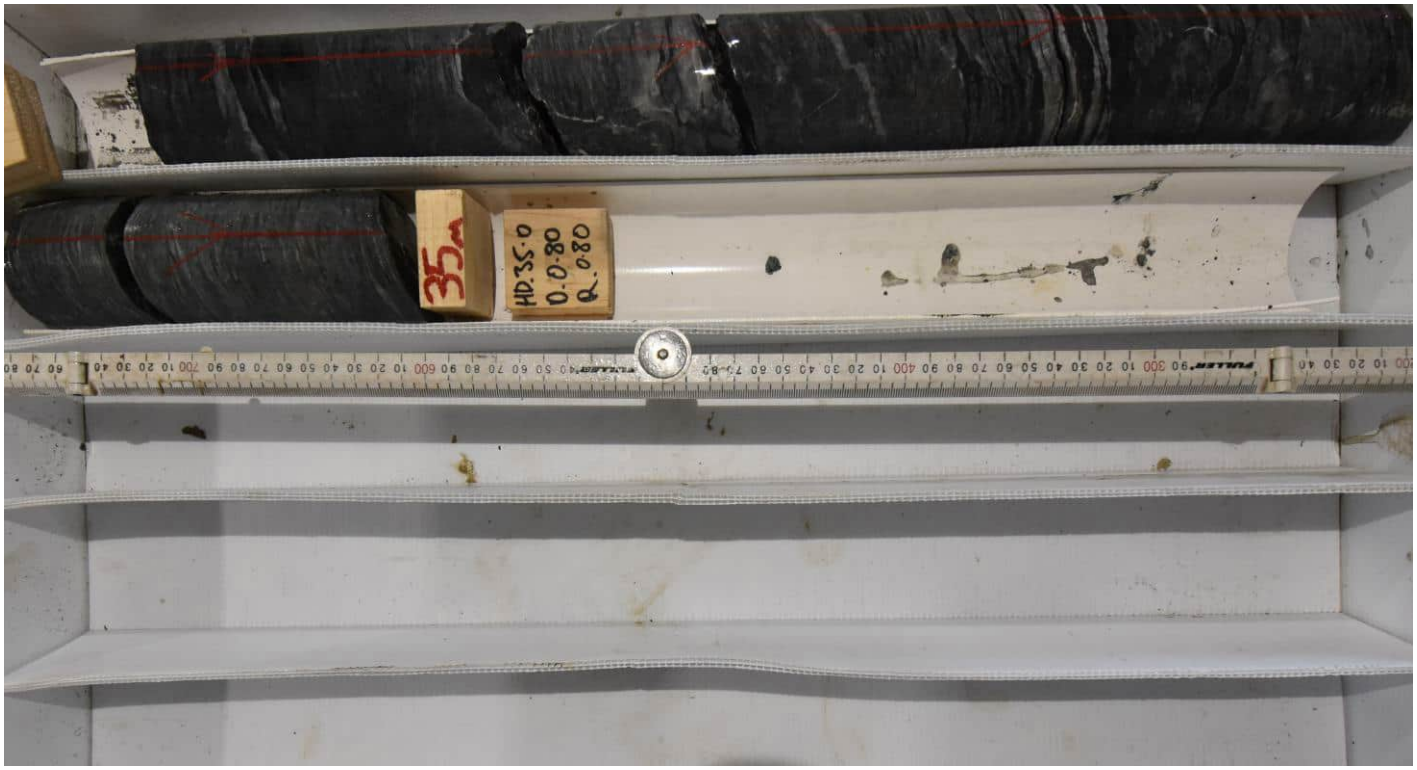


Depth: 29m-31.60m

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD362 - CORE PHOTOGRAPHS				



Depth: 31.60m-34.35m



Depth: 34.35m-35m

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ROCK LOG

DRILLHOLE No.: MDD362

SHEET 1 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316258.0 North 5018870.0
GRID: NZTM 2000

RL GROUND: 731.8
DATUM: NZVD 2016

HOLE STARTED: 27/08/2024
HOLE FINISHED: 04/09/2024
HOLE DEPTH: 35.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TS	Topsoil, damp, semi compact, dark brown .			TS												
Alluvium	Sandy SILT; dark green grey. Wet, soft.															
	Sandy GRAVEL; light green cream. Dry, loose. Gravels; medium to coarse, sub angular.										0.40	0				
	Medium sandy GRAVEL; light green cream. Moist, loose. Gravels; medium, sub angular.		731								0.40	0				
	SILT; dark brown. Moist, stiff.										0.20	0				
	SILT; light green brown. Moist, firm, moderately plastic.	1									0.50	0				N = 4 (C) 1.00m 1, 1 , 1, 1, 1, 1
	GRAVEL some silt and fine sand; light green cream. Moist, loose, non plastic. Gravels; medium to coarse, rounded.		730								0.20	0				
		2									0.30	0				
											0.45	0				N = 14 (C) 2.00m 3, 3 , 2, 3, 4, 5
	Coarse sandy GRAVEL; light grey white. Moist, loose, non-plastic. Gravel; medium, rounded to angular.		729								0.25	0				
	Dark green grey.										0.10	0				
	GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; coarse, angular.	3		C/L							0.10	0				
	Core Loss.										0.10	0				
	GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; coarse, angular.										0.45	0				N = 29 (C) 3.00m 3, 4 , 6, 8, 8, 7
	Core Loss.			C/L							0.15	0				
	GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; medium to coarse, angular.		728	C/L							0.10	0				
	Core Loss.										0.10	0				
		4									0.10	0				
	GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; medium to coarse, angular.										0.45	0				N = 19 (C) 4.00m 4, 4 , 4, 5, 5, 5
	GRAVEL some silt and fine sand; white, orange, black and light brown. Moist, loose, non plastic. Gravels; medium to coarse, angular, washed quartz and schist.										0.10	0				
	Core Loss.		727	C/L							0.10	0				
											0.20	0				
				C/L							0.10	0				

Groundwater Not Encountered

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
DRILLER: Alton Drilling
CHECKED: EGL
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:02:57 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD362

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316258.0 North 5018870.0
GRID: NZTM 2000

RL GROUND: 731.8
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HOLE DEPTH: 35.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; medium to coarse, angular.							MS			0.45	0		Groundwater Not Encountered		N = 23 (C) 5.00m 3, 4 , 4, 5, 6, 8
	Gravelly CLAY; orange. Moist. Gravels; medium, subrounded to angular.										0.05	0				
	Core Loss.										0.20	0				
			726								0.15	0				
	Gravelly CLAY; grey. Moist, very stiff. Gravels; coarse, subangular to angular.	6									0.15	0				N = 50 (C) 6.00m 11, 12 , 19, 31, 0, 0
											0.30	0				
	Core Loss.										0.10	0				
											0.20	0				
			725								0.10	0				
											0.30	0				
	Gravelly CLAY; grey. Moist, very stiff. Gravels; coarse, subangular to angular.	7									0.30	0				N = 40 (C) 7.00m 24, 24 , 33, 7, 0, 0
	Washed Pelitic Schist fragments, grey, tabular up to 60mm by 20mm						UW				0.10	0				
	Core Loss.										0.10	0				
											0.15	0				
			724				UW				0.05	0				
											0.10	0				
											0.05	0				
											0.15	0				
	Washed Pelitic Schist fragments, grey, tabular up to 60mm by 20mm	8					UW				0.20	0				N = 50 (C) 8.00m 18, 18 , 50, 0, 0, 0
	Core Loss.						UW				0.20	0				
											0.20	0				
	Washed Pelitic Schist fragments, grey, tabular up to 30mm by 20mm						UW				0.15	0				
			723								0.10	0				
											0.15	0				
		9					UW				0.28	0				N = 50 (C) 9.00m 18, 18 , 28, 22, 0, 0
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation										0.12	0				
											0.30	0				
			722				UW				0.30	0				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:02:57 am - Produced with Core-GS by Geroc

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Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
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ROCK LOG

DRILLHOLE No.: MDD362

SHEET 3 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316258.0 North 5018870.0
GRID: NZTM 2000

RL GROUND: 731.8
DATUM: NZVD 2016

HOLE STARTED: 27/08/2024
HOLE FINISHED: 04/09/2024
HOLE DEPTH: 35.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Washed Pelitic Schist fragments, grey, tabular up to 30mm by 20mm						UW	MS			0.45	0				N = 39 (C) 10.00m 8, 9 , 7, 9, 9, 14
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation				Joint, smooth, . Joint, smooth, .		UW	S			0.50	44				
	Pelitic Schist fragments, grey, polyhedral up to 20mm	11	721				UW				0.30	0				N = 50 (C) 11.00m 14, 15 , 27, 23, 0, 0
							UW				0.25	0				
	Core Loss.		720	C/L			UW				0.15	0				
	Pelitic Schist fragments, grey, polyhedral up to 20mm	12					UW	MS			0.30	0				N = 50 (C) 12.00m 6, 7 , 12, 18, 20, 0
							UW				0.35	0				
											0.10	0				
											0.10	0				
											0.10	0				
			719				UW				0.15	0				
		13									0.15	0				
							UW				0.20	0				
	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation				Joint, .						0.20	0				
					Joint, .						0.15	0				
					Crush Zone, rough, .							0				
			718		Joint; α90°, planar, narrow: 6-20mm, clean, .						0.40	30				
		14					UW	S			0.20	0				
					Crush Zone; α90°, smooth, planar, clay/gouge, .											
					Crush Zone, .						0.30	0				
											0.40	30				
			717		lamination, rough, .						0.35	0				

Groundwater Not Encountered

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:02:57 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD362

SHEET 4 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316258.0 North 5018870.0
GRID: NZTM 2000

RL GROUND: 731.8
DATUM: NZVD 2016

HOLE STARTED: 27/08/2024
HOLE FINISHED: 04/09/2024
HOLE DEPTH: 35.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation	16	716		Crush Zone; α90°, planar, rock fragments, . Joint, .		UW	S			0.35 0.95	0 61		Groundwater Not Encountered		
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation	17 18 19	715 714 713 712		Crush Zone; α90°, smooth, planar, narrow: 6-20mm, clean, . Shear Zone, smooth, . lamination; α90°, rough, planar, rock fragments, . Joint, . Joint; α90°, smooth, planar, rock fragments, . Joint; α50°, smooth, planar, narrow: 6-20mm, clean, .		UW	MS			0.20 0.20 0.40 0.45 0.25 0.20 0.45 0.65 0.85 0.70	0 0 100 67 0 65 87 85 94 100				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling
CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:02:57 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD362

SHEET 5 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316258.0 North 5018870.0
GRID: NZTM 2000

RL GROUND: 731.8
DATUM: NZVD 2016

HOLE STARTED: 27/08/2024
HOLE FINISHED: 04/09/2024
HOLE DEPTH: 35.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation				Joint; α60°, rough, planar, clay/gouge, .		UW	MS			0.70	100				
			711								0.25	96				
		21									1.00	100				
Thomson Gorge Fault	Sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm		710		Fault; α90°, planar, clay/gouge, TGF.		UW	W			0.50	100		Groundwater Not Encountered		
		22									0.80	87				
			709								0.50	80				
		23									0.50	86				
			708								0.55	100				
		24									0.55	96				
			707													

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:02:57 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD362

SHEET 6 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316258.0 North 5018870.0
GRID: NZTM 2000

RL GROUND: 731.8
DATUM: NZVD 2016

HOLE STARTED: 27/08/2024
HOLE FINISHED: 04/09/2024
HOLE DEPTH: 35.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	Sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm	26	706				UW	W			0.55	96				
											0.65	100				
											0.70	100				
Thomson Gorge Fault	Micaceous Carbonate breccia, black.	27	705				UW	W								
	Micaceous Carbonate breccia, light cream.						UW				1.40	93				
TZ4	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation	28	704		Joint; α30°, planar, . Crush Zone; α45°, smooth, planar, narrow: 6-20mm, clean, .		UW	S			0.15	0				
	Core Loss.			C/L			UW				0.10	0				
	Pelitic Schist, grey and dark grey. Slightly deformed subhorizontal to gently inclined foliation	29	703		Joint; α90°, smooth, planar, moderately wide: 60-200mm, clay/gouge, . Joint; α65°, smooth, planar, clean, .		UW	S			0.10	0				
											0.65	0				
			702		Crush Zone; α45°, planar, . Joint; α40°, slickensided, planar, . Joint; α30°, smooth, undulating, clay/gouge, .						1.55	80				

Groundwater Not Encountered

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:02:57 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD362

SHEET 7 OF 8

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316258.0 North 5018870.0
GRID: NZTM 2000

RL GROUND: 731.8
DATUM: NZVD 2016

HOLE STARTED: 27/08/2024
HOLE FINISHED: 04/09/2024
HOLE DEPTH: 35.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	Pelitic Schist, grey and dark grey. Slightly deformed subhorizontal to gently inclined foliation	31 32 33 34	701 700 699 698 697		Joint; α55°, planar, clay/gouge, . Joint; α40°, smooth, planar, clay/gouge, . Joint; α60°, smooth, planar, . Joint; α45°, planar, moderately narrow: 20-60mm, clean, . Joint; α90°, smooth, planar, clay/gouge, . Joint, . Joint; α55°, rough, planar, clay/gouge, . Joint; α90°, planar, clay/gouge, . Joint, smooth, .		UW	S			1.55 1.55 1.25 0.90 0.80	80 94 90 53 75		Groundwater Not Encountered		

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:02:57 am - Produced with Core-GS by Geroc

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PO Box 301054, Albany, Auckland 0752
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ROCK LOG

DRILLHOLE No.: MDD362

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316258.0 North 5018870.0
GRID: NZTM 2000

RL GROUND: 731.8
DATUM: NZVD 2016

HOLE STARTED: 27/08/2024
HOLE FINISHED: 04/09/2024
HOLE DEPTH: 35.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
	EOH: 35.00 m															

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:02:57 am - Produced with Core-GS by Geroc

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers	Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz	Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				



Depth: 0 m to 1.45m



Depth: 1.45 m to 2.45 m

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers	Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz	Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				



Depth: 2.45m-3.45m



Depth: 3.45m-4m

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				



Depth: 4.45m-5.45m

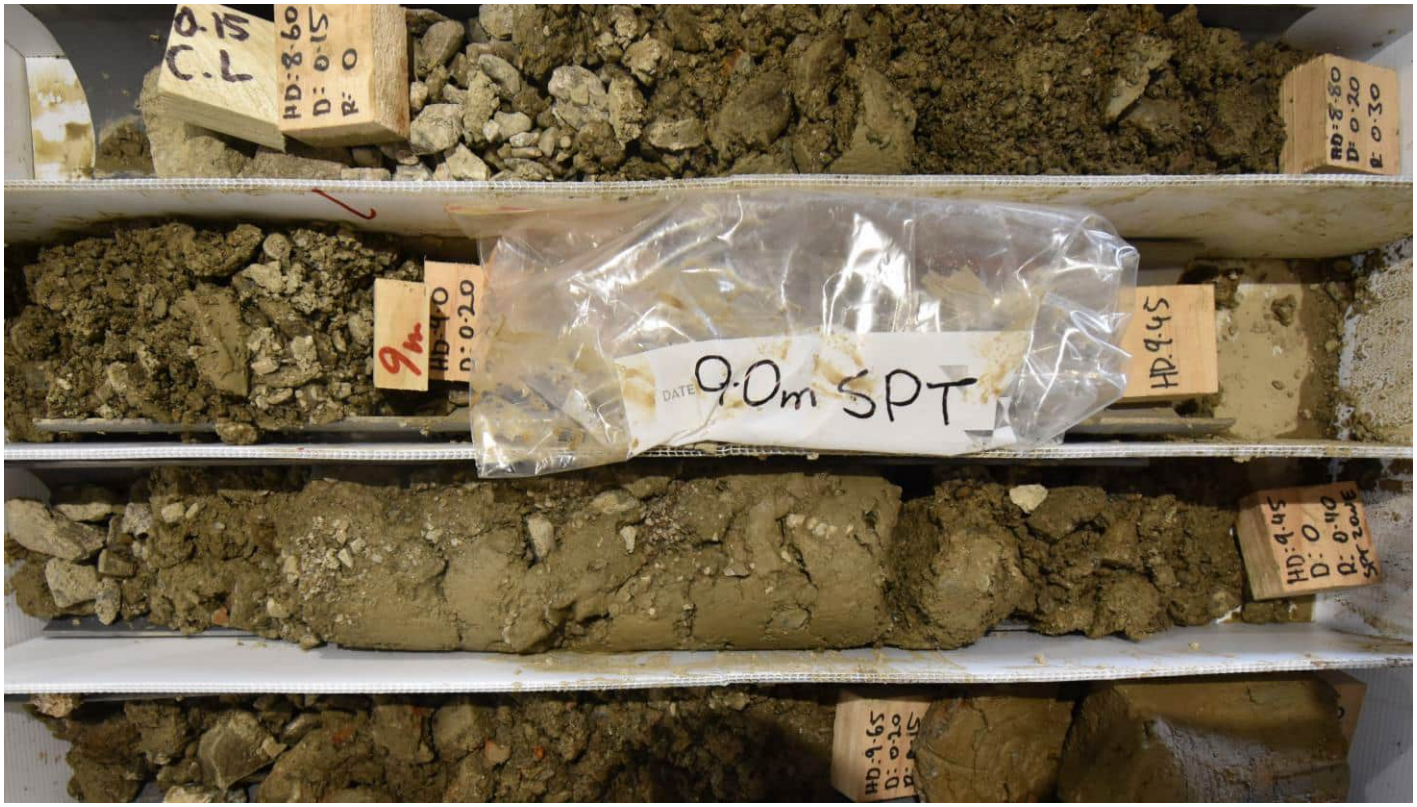


Depth: 5.45 m-6.90 m

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				



Depth: 6.9m-8.45m



Depth: 8.6m-9.8m

Client:	Santana Minerals Limited	EGL Job No.	9702		
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		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				

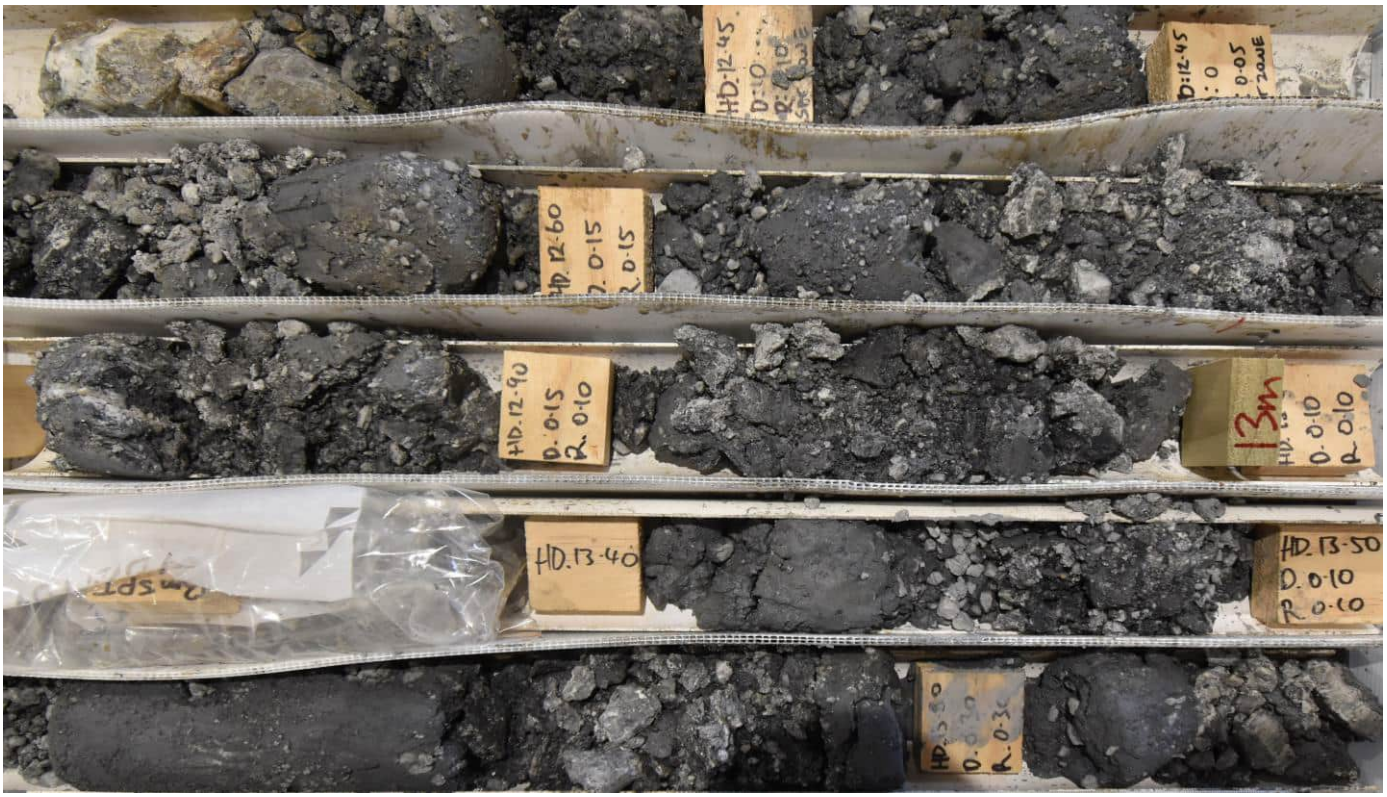


Depth: 9.8 m-11.45m



Depth: 11.45m-12.45m

Client:	Santana Minerals Limited	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	Bendigo – Ophir Gold Project		
		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				



Depth: 12.45m-13.95m



Depth: 13.95m-15.75m

Client:	Santana Minerals Limited	EGL Job No.	9702		
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		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				



Depth: 15.75m-17.85m



Depth: 17.85m-20.35m

Client:	Santana Minerals Limited	EGL Job No.	9702		
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		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				



Depth: 20.35m-23m



Depth: 23m-25.85m

Client:	Santana Minerals Limited	EGL Job No.	9702		
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		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				



Depth: 25.85m-28m



Depth: 28m-30.25m

Client:	Santana Minerals Limited	EGL Job No.	9702		
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		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				



Depth: 30.25m-32.7m

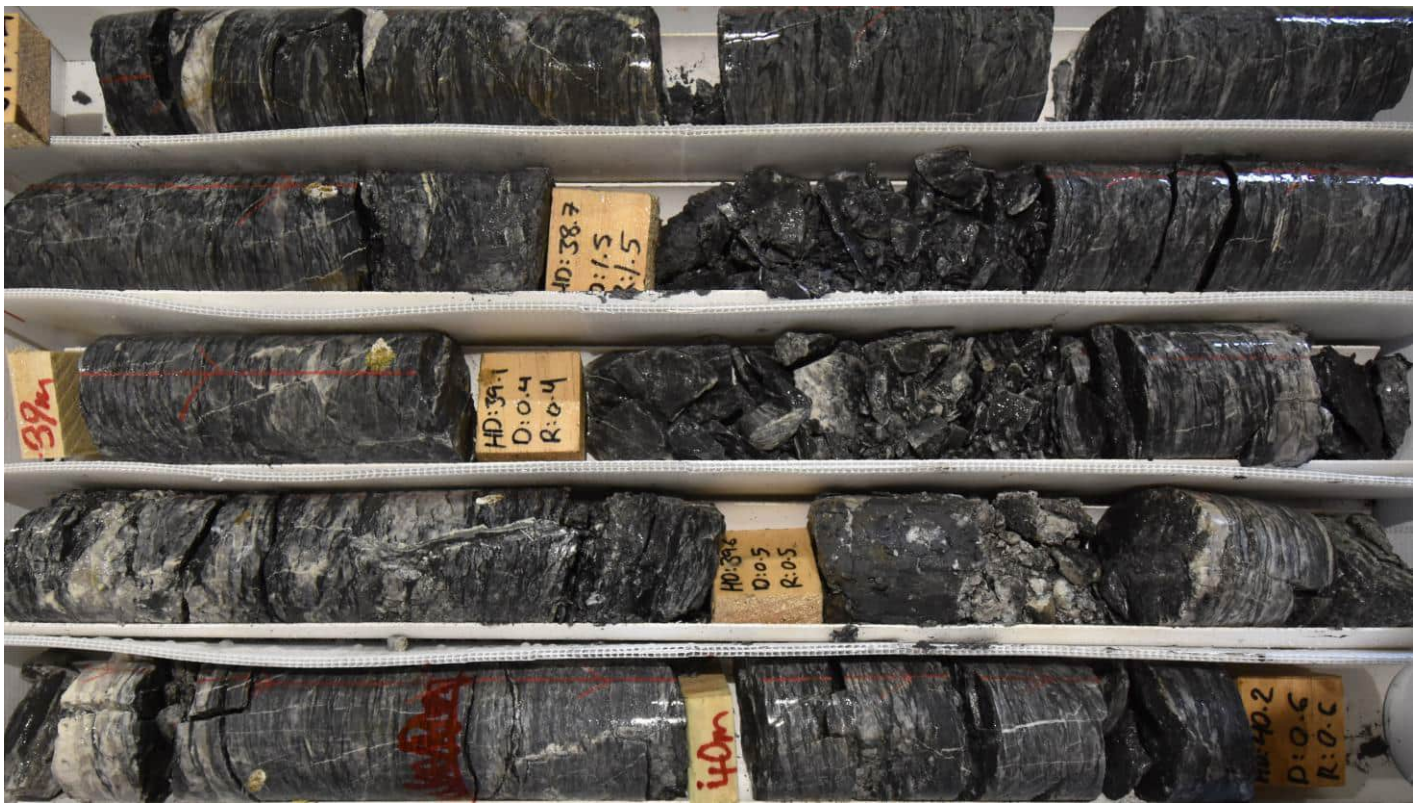


Depth: 32.7m-35.3m

Client:	Santana Minerals Limited	EGL Job No.	9702		
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		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				

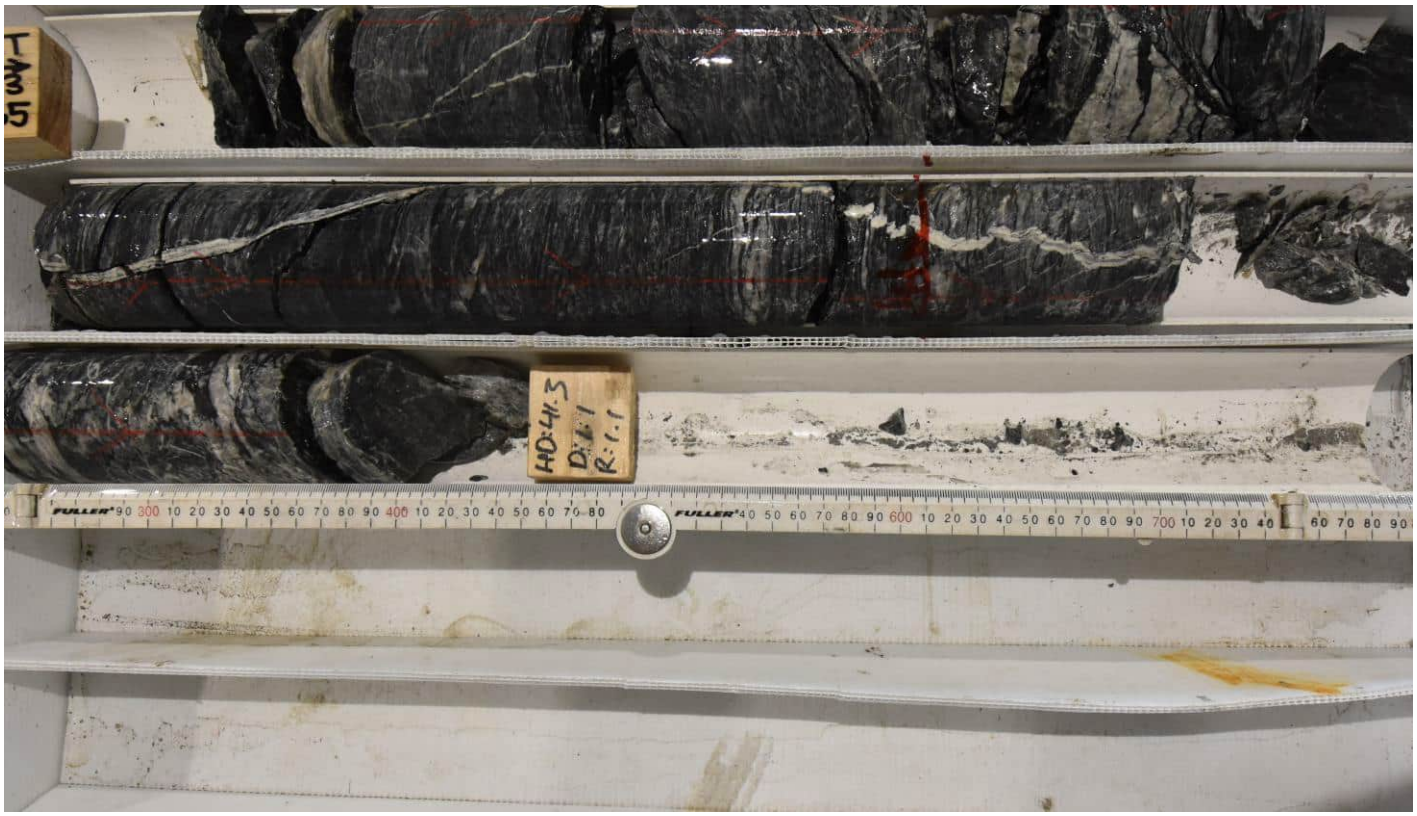


Depth: 35.3m-38m

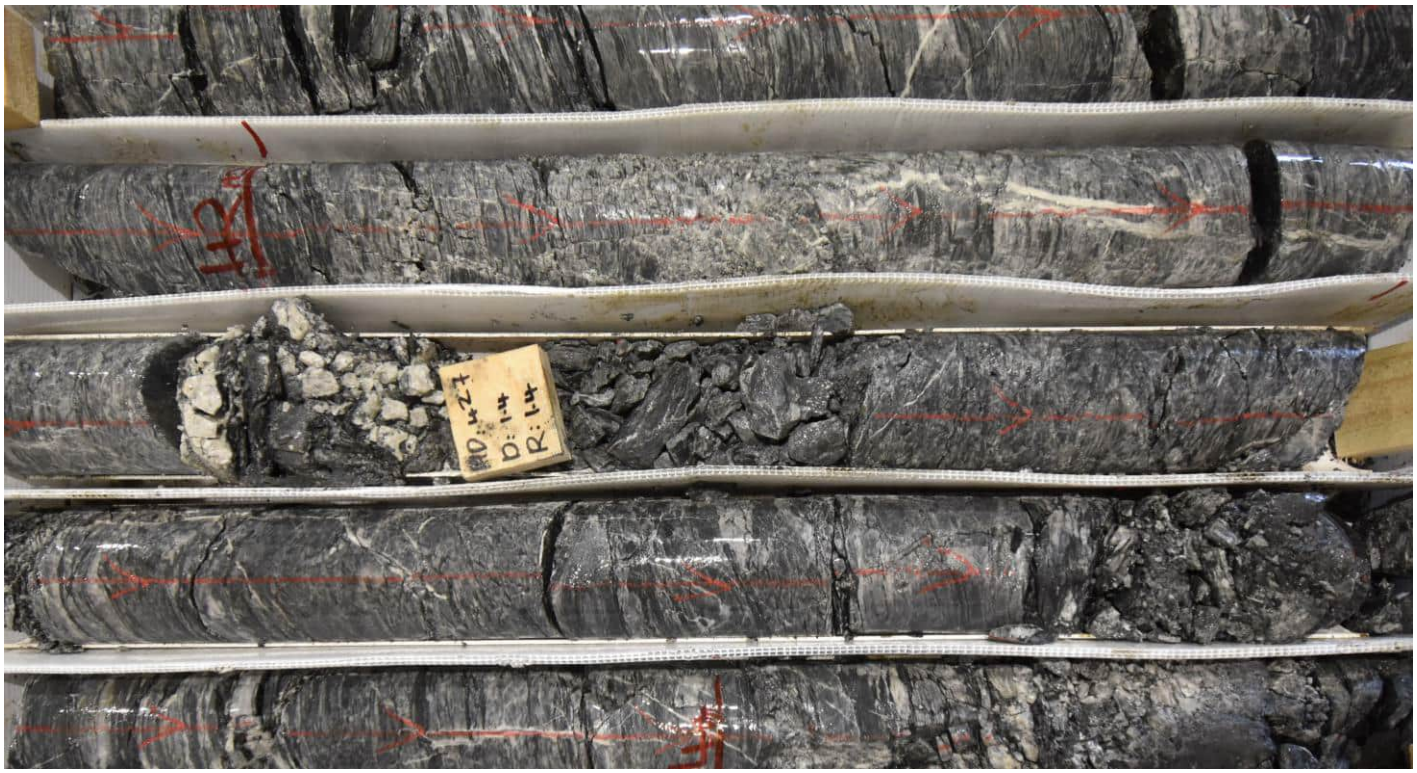


Depth: 38m-40.2m

Client:	Santana Minerals Limited	EGL Job No.	9702		
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		Photograph By:	JF	Date:	September 2024
Title:	MDD365 - CORE PHOTOGRAPHS				



Depth: 40.2m-41.3m



Depth: 41.3m-44.3m

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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 1 OF 9

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316751.0 North 5018614.7
GRID: NZTM 2000

RL GROUND: 766.2
DATUM: NZVD 2016

HOLE STARTED: 05/09/2024
HOLE FINISHED: 19/09/2024
HOLE DEPTH: 44.3m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
Alluvium	Silty GRAVEL; brown. Dry, loose, non-plastic.	1	766								0.40	0				
											0.35	0				
											0.25	0				
	Silty coarse SAND some coarse gravel; brown. Moist, loose.		765								0.45	0				N = 15 (C) 1.00m 3, 3 , 4, 3, 4, 4
	Silty GRAVEL; brown. Dry, loose, non-plastic.	2									0.20	0				
											0.30	0				
	Silty coarse SAND some coarse gravel; brown. Moist, loose.		764								0.05	0				N = 12 (C) 2.00m 3, 3 , 4, 3, 2, 3
											0.45	0				
	Silty GRAVEL; brown. Dry, loose, non-plastic.	3									0.10	0				
											0.45	0				
	Silty fine SAND; brown. Moist, loose.		763								0.45	0				N = 13 (C) 3.00m 2, 3 , 4, 3, 3, 3
	Silty GRAVEL; brown. Dry, loose, non-plastic.	4									0.10	0				
											0.30	0				
											0.15	0				
	Silty fine to coarse SAND; brown. Moist, loose.		762								0.45	0				N = 12 (C) 4.00m 2, 3 , 3, 3, 3, 3
	Clayey Gravel with some coarse sand; brown. Moist.										0.15	0				
TZ3	Washed Pelitic Schist fragments, grey, tabular up to 60mm by 20mm										0.40	0				

Groundwater Not Encountered

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:01:48 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers
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PO Box 301054, Albany, Auckland 0752
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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 2 OF 9

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316751.0 North 5018614.7
GRID: NZTM 2000

RL GROUND: 766.2
DATUM: NZVD 2016

HOLE STARTED: 05/09/2024
HOLE FINISHED: 19/09/2024
HOLE DEPTH: 44.3m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; medium to coarse, angular.	6	761								0.45	0		Groundwater Not Encountered		N = 23 (C) 5.00m 5, 6 , 5, 5, 6, 7
	Washed Pelitic Schist fragments, grey, tabular up to 60mm by 20mm										0.35	0				
											0.20	0				
	GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; medium to coarse, angular.	7	760								0.45	0				N = 29 (C) 6.00m 4, 4 , 6, 6, 7, 10
											0.25	0				
											0.30	0				
			759								0.45	0				N = 33 (C) 7.00m 7, 7 , 6, 8, 7, 12
											0.35	0				
											0.20	0				
		8	758								0.45	0				N = 50 (C) 8.00m 7, 7 , 8, 13, 15, 14
											0.15	0				
											0.20	0				
											0.20	0				
		9	757								0.45	0				N = 23 (C) 9.00m 4, 4 , 5, 5, 6, 7
											0.20	0				
	Gravelly CLAY; grey. Moist, very stiff. Gravels; coarse, subangular to angular.										0.15	0				
											0.20	0				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:01:48 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 3 OF 9

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316751.0 North 5018614.7
GRID: NZTM 2000

RL GROUND: 766.2
DATUM: NZVD 2016

HOLE STARTED: 05/09/2024
HOLE FINISHED: 19/09/2024
HOLE DEPTH: 44.3m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	Gravelly CLAY; grey. Moist, very stiff. Gravels; coarse, subangular to angular.		756								0.45	0				N = 24 (C) 10.00m 4, 4 , 5, 6, 6, 7
TZ3	Pelitic Schist fragments, grey, polyhedral up to 20mm	11	755								0.20 0.20 0.15 0.45	0 0 0 0				N = 36 (C) 11.00m 4, 5 , 9, 10, 9, 8
		12	754								0.35 0.20 0.45 0.15 0.15 0.15 0.10	0 0 0 0 0 0 0		Groundwater Not Encountered		N = 50 (C) 12.00m 7, 7 , 9, 12, 13, 16
		13	753								0.40 0.10 0.30 0.20	0 0 0 0				N = 50 (C) 13.00m 6, 7 , 8, 12, 22, 8
		14	752								0.45 0.10 0.10 0.15 0.20	0 0 0 0 0				N = 27 (C) 14.00m 5, 5 , 6, 7, 7, 7

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:01:48 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 4 OF 9

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316751.0 North 5018614.7
GRID: NZTM 2000

RL GROUND: 766.2
DATUM: NZVD 2016

HOLE STARTED: 05/09/2024
HOLE FINISHED: 19/09/2024
HOLE DEPTH: 44.3m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	Pelitic Schist fragments, grey, polyhedral up to 20mm	16 17 18 19	751 750 749 748 747				UW	W			0.40 0.15 0.20 0.25 0.30 0.20 0.15 0.20 0.15 0.45 0.10 0.10 0.10 0.10 0.10 Lost 0.45 0.25 0.10 0.20 0.40 0.20 0.15 0.25	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Groundwater Not Encountered		N = 50 (C) 15.00m 7, 8 , 10, 18, 17, 5 N = 50 (C) 16.00m 7, 8 , 14, 22, 14, 0 N = 40 (C) 17.00m 7, 8 , 8, 9, 9, 14 N = 46 (C) 18.00m 7, 7 , 9, 11, 14, 12 N = 50 (C) 19.00m 7, 8 , 10, 15, 16, 9

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:01:48 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 5 OF 9

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316751.0 North 5018614.7
GRID: NZTM 2000
RL GROUND: 766.2
DATUM: NZVD 2016
HOLE STARTED: 05/09/2024
HOLE FINISHED: 19/09/2024
HOLE DEPTH: 44.3m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	Pelitic Schist fragments, grey, polyhedral up to 20mm	21	746				UW	W			0.35	0		Groundwater Not Encountered		N = 50 (C) 20.00m 5, 5 , 6, 15, 29, 0
											0.15	0				
											0.30	0				
											0.20	0				
		22	745				UW				0.40	0				N = 50 (C) 21.00m 7, 8 , 16, 15, 18, 1
											0.20	0				
											0.10	0				
											0.10	0				
											0.10	0				
											0.10	0				
		23	744				UW				0.40	0				N = 50+ (C) 22.00m 5, 5 , 10, 16, 25, 0
											0.40	0				
											0.20	0				
		24	743				UW				0.45	0				N = 49 (C) 23.00m 6, 7 , 9, 11, 13, 16
											0.30	0				
											0.10	0				
											0.15	0				
Thomson Gorge Fault	Sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm		742				UW	W			0.35	0				N = 50 (C) 24.00m 8, 8 , 13, 22, 15, 0
											0.15	0				
											0.20	0				
							UW				0.30	0				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
DRILLER: Alton Drilling
CHECKED: EGL
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:01:48 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 6 OF 9

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316751.0 North 5018614.7
GRID: NZTM 2000

RL GROUND: 766.2
DATUM: NZVD 2016

HOLE STARTED: 05/09/2024
HOLE FINISHED: 19/09/2024
HOLE DEPTH: 44.3m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	Sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm	26	741		Shear Zone, smooth, .		UW	W			0.45	0		Groundwater Not Encountered		N = 50 (C) 25.00m 9, 10 , 8, 17, 14, 11
							UW				0.30	0				
											0.10	0				
											0.15	0				
			740				UW				0.35	0				N = 50 (C) 26.00m 9, 9 , 22, 23, 5, 0
							UW				0.30	0				
							UW				0.35	0				
		27	739				UW				0.30	0				N = 0 (C) 27.00m 0, 0 , 0, 0, 0, 0
							UW				0.40	0				
											0.30	0				
		28	738				UW				0.35	0				N = 50 (C) 28.00m 6, 6 , 12, 18, 20, 0
											0.10	100				
											0.55	100				
		29	737								0.45	0				N = 50 (C) 29.00m 7, 8 , 12, 13, 13, 12
											0.55	78				
							UW									

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:01:48 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 7 OF 9

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316751.0 North 5018614.7
GRID: NZTM 2000

RL GROUND: 766.2
DATUM: NZVD 2016

HOLE STARTED: 05/09/2024
HOLE FINISHED: 19/09/2024
HOLE DEPTH: 44.3m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ4	Sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation	31 32 33 34	736 735 734 733 732		Joint, smooth, . Joint, . Joint, . Joint, rough, . Joint; α90°, planar, narrow: 6-20mm, clean, . Joint; α90°, smooth, planar, clay/gouge, . Bedding, . Joint, rough, . Joint; α90°, planar, rock fragments, . Crush Zone, . Crush Zone; α90°, smooth, planar, narrow: 6-20mm, clean, . Joint, smooth, . Fractured Zone; α90°, rough, planar, rock fragments, . Joint, . Crush Zone; α90°, smooth, planar, rock fragments, . Joint; α50°, smooth, planar, narrow: 6-20mm, clean, . Joint; α60°, rough, planar, clay/gouge, .		UW UW UW	W VS W VS VS			1.00 1.00 1.00 1.00 1.50	40 20 35 33 40		Groundwater Not Encountered		
Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation																

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:01:48 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 8 OF 9

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316751.0 North 5018614.7
GRID: NZTM 2000

RL GROUND: 766.2
DATUM: NZVD 2016

HOLE STARTED: 05/09/2024
HOLE FINISHED: 19/09/2024
HOLE DEPTH: 44.3m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation	36 37 38 39	731 730 729 728 727		lamination; α90°, planar, clay/gouge, . Joint; α30°, planar, . Joint; α45°, smooth, planar, narrow: 6 -20mm, clean, . Joint; α90°, smooth, planar, moderately wide: 60-200mm, clay/gouge, . Joint; α65°, smooth, planar, clean, . lamination; α45°, planar, . Crush Zone; α40°, slickensided, planar, . Fractured Zone; α30°, smooth, undulating, clay/gouge, . lamination; α55°, planar, clay/gouge, . Joint; α40°, smooth, planar, clay/gouge, . Fractured Zone; α60°, smooth, planar, . Joint; α45°, planar, moderately narrow: 20-60mm, clean, . Joint; α90°, smooth, planar, clay/gouge, . Fractured Zone, . Shear Zone; α55°, rough, planar, clay/gouge, .		UW	VS			1.50 1.10 0.60 1.50 0.40 0.50 0.60	40 60 67 67 65 0 17		Groundwater Not Encountered		

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:01:48 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 9 OF 9

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1316751.0 North 5018614.7
GRID: NZTM 2000

RL GROUND: 766.2
DATUM: NZVD 2016

HOLE STARTED: 05/09/2024
HOLE FINISHED: 19/09/2024
HOLE DEPTH: 44.3m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation	41 42 43 44	726 725 724 723 722		Joint; α90°, planar, clay/gouge, . Vein, smooth, . Joint, smooth. Joint, smooth. Fractured Zone, smooth. Fractured Zone, smooth. Joint, smooth. Fractured Zone, smooth. Fractured Zone, smooth.		UW	VS			0.60 1.10 1.40 1.60	17 55 25 19		Groundwater Not Encountered		

EOH: 44.30 m

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v7 (test- inclined hole) - 17/07/2025 10:01:48 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD394

SHEET 1 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION:
COORDINATES: East 1319759.6 North 5017190.4
GRID: NZTM 2000

RL GROUND: 594.6
DATUM: NZVD 2016

HOLE STARTED: 07/12/2024
HOLE FINISHED: 10/12/2024
HOLE DEPTH: 30.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
Alluvium	Sandy CLAY minor gravel. Sand, fine. Gravel, fine, angular highly weathered schist; brown. Stiff, Moist, Moderate Plasticity.										0.40	0				
	Silty SAND minor clay trace gravel. Sand, fine. Gravel, fine, angular highly weathered schist; brown. Dense, Moist, Non-Plastic.		594								0.40	0				
	Sandy SILT minor clay trace gravel. Sand, fine. Gravel, fine, angular highly weathered schist; brown. Stiff, Moist, Low Plasticity.	1					RS	EW			0.50	0				
Colluvium	Gravelly CLAY minor sand and silt. Sand, fine. Gravel, fine, angular highly weathered schist; brownish grey. Hard, Moist, Low Plasticity.										0.20	0				
Paleosol	Organic silt. Buried topsoil. ; Dark brown. Stiff, Moist, Non-Plastic.		593	TS TS							0.50	0				
	Gravelly CLAY minor sand and silt. Sand, fine. Gravel, fine, angular and tabular highly weathered schist; brownish grey. Hard, Moist, Low Plasticity.	2									0.50	0				
	Completely weathered grey Schist. Extremely Weak. Breaks in hand to gravel, clay and sand. Foliation preserved with gentle inclination.		592				CW	VW			0.50	0				
	Highly weathered grey Pelitic Schist. Very Weak. recovered as rock fragments, broken along foliation.	3			Crush Zone, Rock fragments.		HW	MS			0.10 0.20	0 0				
TZ3	Moderately weathered grey Pelitic Schist. Very Weak. Recovered covered with exterior of crushed schist and quartz gravels. Closely spaced Fractures, Gently inclined.															
	Slightly weathered grey Pelitic Schist. Weak. Closely spaced Fractures, Gently inclined.		591		Crush Zone, rock fragments. Foliation Parting; α70°, smooth, planar, very narrow:		UW	S			0.80	21		Groundwater Not Encountered		
	Slightly weathered grey Pelitic Schist. Weak. Very closely spaced Fractures, Gently inclined.	4			Fractured Zone, rock fragments.						1.40	0				
			590		Joint, rock fragments.			MS								

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 7/05/2026 10:27:22 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD394

SHEET 2 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION:
COORDINATES: East 1319759.6 North 5017190.4
GRID: NZTM 2000

RL GROUND: 594.6
DATUM: NZVD 2016

HOLE STARTED: 07/12/2024
HOLE FINISHED: 10/12/2024
HOLE DEPTH: 30.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Closely spaced Fractures, Moderately inclined.	6	589		Shear Zone, rock fragments. Joint; α70°, smooth, planar. Joint, Stepped, Crushed schist, fabric lost, minor clay present . Fractured Zone, rock fragments.		UW	MS			1.40	0		Groundwater Not Encountered		
								W			0.20	0				
			588		Joint; α70°, smooth, planar. Fractured Zone.			S			0.90	12				
	Very closely spaced Fractures, Moderately inclined.	7			Joint; α70°, smooth, undulating. Joint; α70°, smooth, planar. Joint; α40°, smooth, planar.						0.40	35				
			587		Fractured Zone, smooth, planar, very narrow:						0.50	0				
		8			Fractured Zone, very narrow: Crush Zone; α82°, Crushed schist to fine tabular gravel and coarse sand. Quartz broken to fine angular gravels.			MS			0.50	0				
			586								0.60	0				
	Closely spaced Fractures, Moderately inclined.	9			Crush Zone, rock fragments. Joint; α60°, smooth, undulating. Fractured Zone, rock fragments.			S			1.40	10				
			585		Joint; α60°, smooth, undulating, very narrow:											
					Joint; α50°, smooth, undulating.											

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 7/05/2026 10:27:22 am - Produced with Core-GS by Geroc

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PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD394

SHEET 3 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION:
COORDINATES: East 1319759.6 North 5017190.4
GRID: NZTM 2000

RL GROUND: 594.6
DATUM: NZVD 2016

HOLE STARTED: 07/12/2024
HOLE FINISHED: 10/12/2024
HOLE DEPTH: 30.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Closely spaced Fractures, Moderately inclined.	11 12 13 14	584 583 582 581 580		Joint; α70°, rough, planar, rock fragments. Crush Zone, rock fragments. Joint; α40°, rough, planar. Joint; α50°, smooth, planar. Fractured Zone, rock fragments. Fractured Zone, rock fragments. Fractured Zone, rock fragments. Joint; α50°, smooth, undulating. Joint; α85°, rough, planar, rock fragments. Crush Zone, rock fragments. Crush Zone, rock fragments. Joint; α50°, smooth, planar. Crush Zone, rock fragments. Joint; α50°, smooth, planar, very narrow: Fractured Zone, rock fragments. Joint; α30°, rough, planar, rock fragments. Crush Zone, rock fragments. Joint; α50°, rough, planar, rock fragments.		UW	S W MS MS			0.40 1.50 1.10 0.40 1.50 1.10	0 45 0 0 16 16		Groundwater Not Encountered		

11.7m - 12.0m: Very weak, recovered coated in drilling cuttings

Extremely closely spaced Fractures, Moderately to steeply inclined.

Moderately widely spaced Fractures, Gently inclined.

Very closely spaced Fractures, Moderately inclined.

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 7/05/2026 10:27:22 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD394

SHEET 4 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION:
COORDINATES: East 1319759.6 North 5017190.4
GRID: NZTM 2000

RL GROUND: 594.6
DATUM: NZVD 2016

HOLE STARTED: 07/12/2024
HOLE FINISHED: 10/12/2024
HOLE DEPTH: 30.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures, Moderately inclined.	16	579		Crush Zone, rock fragments. Foliation Parting; α70°, rough, planar, very narrow: Joint; α80°, smooth, undulating. Joint; α70°, rough, undulating, rock fragments. Joint; α40°, smooth, undulating. Crush Zone; α28°, Undulating, Crushed schist to fine tabular gravel and coarse sand. Quartz broken to fine angular gravels. Crush Zone; α22°, Stepped, Crushed schist to coarse sand. Quartz broken to fine angular gravels. Fractured Zone, rock fragments.		UW	MS			1.10	16		Groundwater Not Encountered		
	Closely spaced Fractures, Gently inclined.	17	578		Crush Zone, rock fragments. Crush Zone; α70°, rough, planar, rock fragments. Foliation Parting; α60°, slickensided, planar. Foliation Parting; α35°, slickensided, planar, moderately narrow: 20-60mm, clay/gouge. Crush Zone; α55°, smooth, planar, rock fragments.			S W MS			0.40 1.00	63 14				
		18	577		Joint; α35°, rough, undulating, very narrow: Crush Zone; α6°, Undulating, Crushed schist to coarse sand. Shear Zone; α55°, smooth, planar, clay/gouge.			VW MS			0.90	0				
	Extremely closely spaced Fractures, Steeply inclined. Very closely spaced Fractures, Moderately inclined.	19	576		Foliation Parting; α60°, smooth, planar, very narrow: Foliation Parting; α55°, smooth, planar, narrow: 6-20mm, clay/gouge. Joint; α35°, defined ridges, planar, rock fragments. Joint; α85°, smooth, planar, moderately wide: 60-200mm.						0.80	0				
			575		Foliation Parting; α50°, smooth, planar, very narrow: Foliation Parting; α55°, smooth, planar, moderately narrow: 20-60mm. Joint; α55°, smooth, undulating, clay/gouge. Crush Zone; α75°, smooth, curved, rock fragments.			S			1.30	46				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling
CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8.1 (TSF) - 7/05/2026 10:27:22 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD394

SHEET 5 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION:
COORDINATES: East 1319759.6 North 5017190.4
GRID: NZTM 2000

RL GROUND: 594.6
DATUM: NZVD 2016

HOLE STARTED: 07/12/2024
HOLE FINISHED: 10/12/2024
HOLE DEPTH: 30.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures, Moderately inclined.				Foliation Parting; α45°, smooth, undulating, moderately narrow: 20-60mm.			S			1.30	46		Groundwater Not Encountered		
					Joint; α20°, defined ridges, undulating.											
	Closely spaced Fractures, Steeply inclined.		574		Foliation Parting; α65°, smooth, planar, moderately wide: 60-200mm.											
					Foliation Parting; α35°, smooth, undulating, moderately narrow: 20-60mm.						1.50	63				
		21			Joint; α40°, smooth, planar, clay/gouge.											
					Joint; α80°, smooth, planar, clay/gouge.											
			573													
		22			Foliation Parting; α55°, smooth, planar, moderately narrow: 20-60mm.											
					Joint; α85°, smooth, planar.											
			572		Joint; α45°, smooth, planar, rock fragments.						1.50	13				
		23														
	Very closely spaced Fractures, Moderately inclined.				Joint; α70°, smooth, planar.											
			571													
	Closely spaced Fractures, Steeply inclined.										1.00	32				
	24.0m - 24.0m: foliation fabric disappears	24			Joint; α75°, smooth, planar.											
	Unweathered grey Pelitic Schist. Extremely Weak. Recovered coated in drilling cuttings. Breaks in hand to coarse sand, and fine tabular gravels. Very closely spaced Fractures, Gently inclined.							VW								
	Unweathered grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures, Gently inclined.				Fault; α45°, smooth, planar, clay/ gouge.						1.00	0				
					Joint; α25°, rough, curved, moderately narrow: 20-60mm, 0.											
			570		Crush Zone; α70°, smooth, planar, clay/gouge.											
					Foliation Parting; α70°, smooth, planar, moderately narrow: 20-60mm, rock fragments.											

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 7/05/2026 10:27:22 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD394

SHEET 6 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION:
COORDINATES: East 1319759.6 North 5017190.4
GRID: NZTM 2000

RL GROUND: 594.6
DATUM: NZVD 2016

HOLE STARTED: 07/12/2024
HOLE FINISHED: 10/12/2024
HOLE DEPTH: 30.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures, Gently inclined.	26	569		Joint; α55°, stepped, undulating, very narrow:		UW	VW			1.00	0		Groundwater Not Encountered		
	Extremely closely spaced Fractures, Moderately inclined.	27	568		Vein, smooth, curved, narrow: 6-20mm, clay/gouge. Crush Zone, rough, planar, moderately narrow: 20-60mm, carbonate.			MS			1.50	20				
	Very closely spaced Fractures, Gently to moderately inclined.	28	567					MS			1.50	0				
		29	566					W			0.70	0				
			565		Crush Zone, rough, wide: 200-600mm, rock fragments. Fault, rough, planar, narrow: 6-20mm, rock fragments. Vein, narrow: 6-20mm, Quartz.			W			0.90	0				
								MS								

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 7/05/2026 10:27:22 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD394

SHEET 7 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION:
COORDINATES: East 1319759.6 North 5017190.4
GRID: NZTM 2000

RL GROUND: 594.6
DATUM: NZVD 2016

HOLE STARTED: 07/12/2024
HOLE FINISHED: 10/12/2024
HOLE DEPTH: 30.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
	EOH: 30.00 m															

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui
CHECKED: EGL
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 7/05/2026 10:27:22 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	7/12/2024	**End Date**	10/12/2024

Title:	**MDD394 - CORE PHOTOGRAPHS**



Depth: 0m to 1.5m



Depth: 1.5m to 2.9 m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	7/12/2024	**End Date**	10/12/2024

Title:	**MDD394 - CORE PHOTOGRAPHS**



Depth: 2.9m to 3.8m



Depth: 3.8m to 5.3m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	7/12/2024	**End Date**	10/12/2024

Title:	**MDD394 - CORE PHOTOGRAPHS**



Depth: 5.3m to 7.0m



Depth: 7.0 to 9.2m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	7/12/2024	**End Date**	10/12/2024

Title:	**MDD394 - CORE PHOTOGRAPHS**



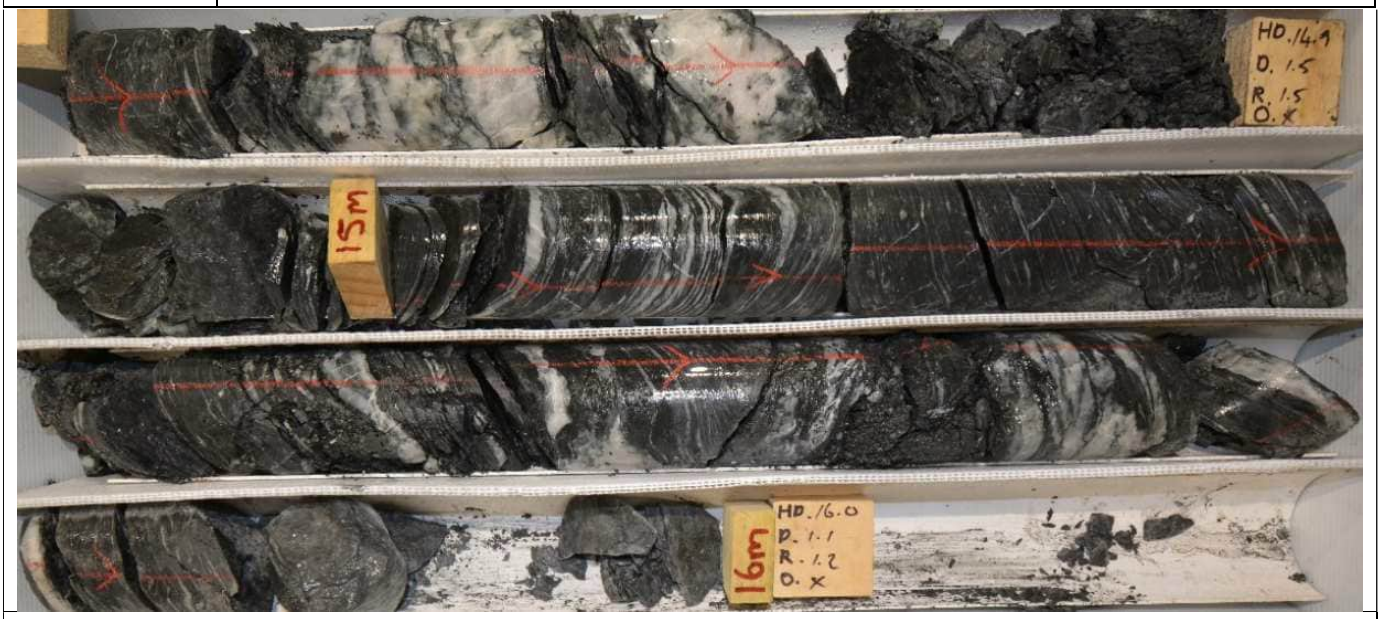
Depth: 9.2m to 11.7m



Depth: 11.7m to 14.40m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	7/12/2024	**End Date**	10/12/2024

Title:	**MDD394 - CORE PHOTOGRAPHS**



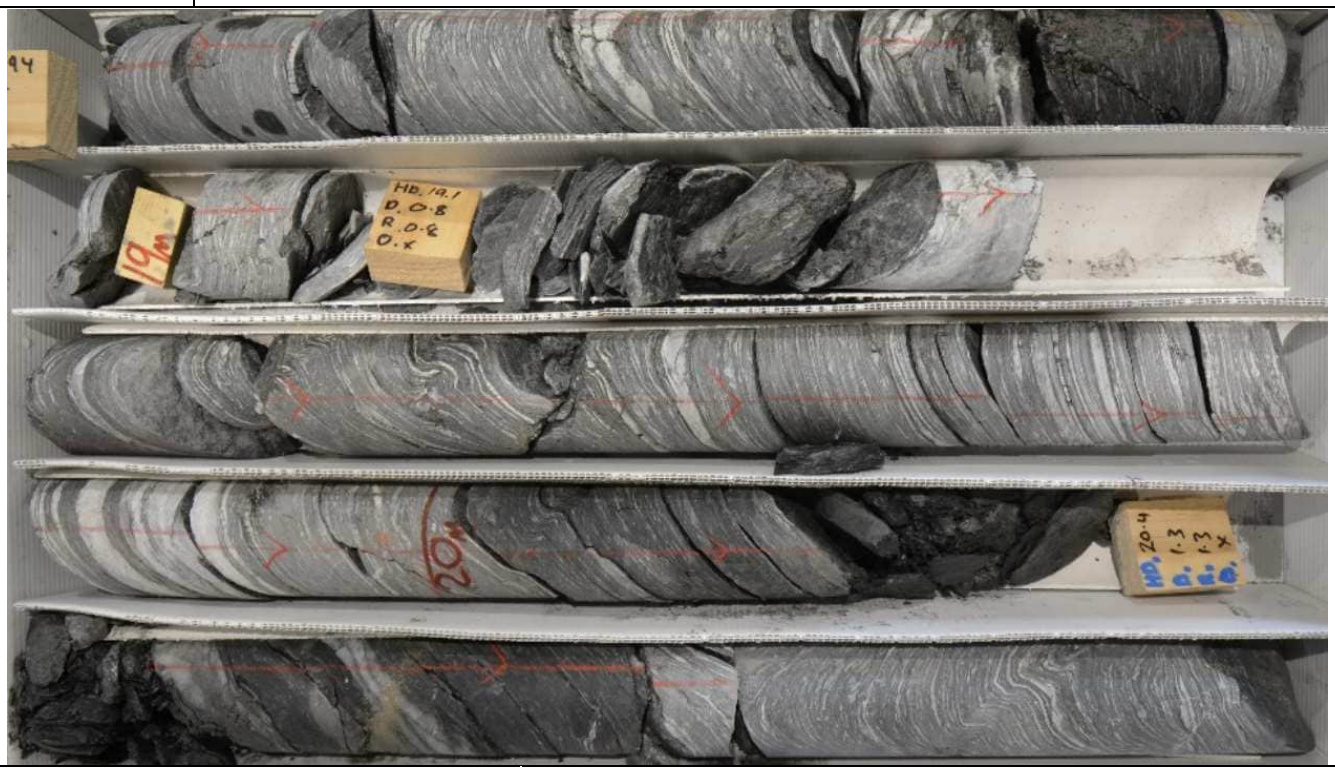
Depth: 14.4m to 16m



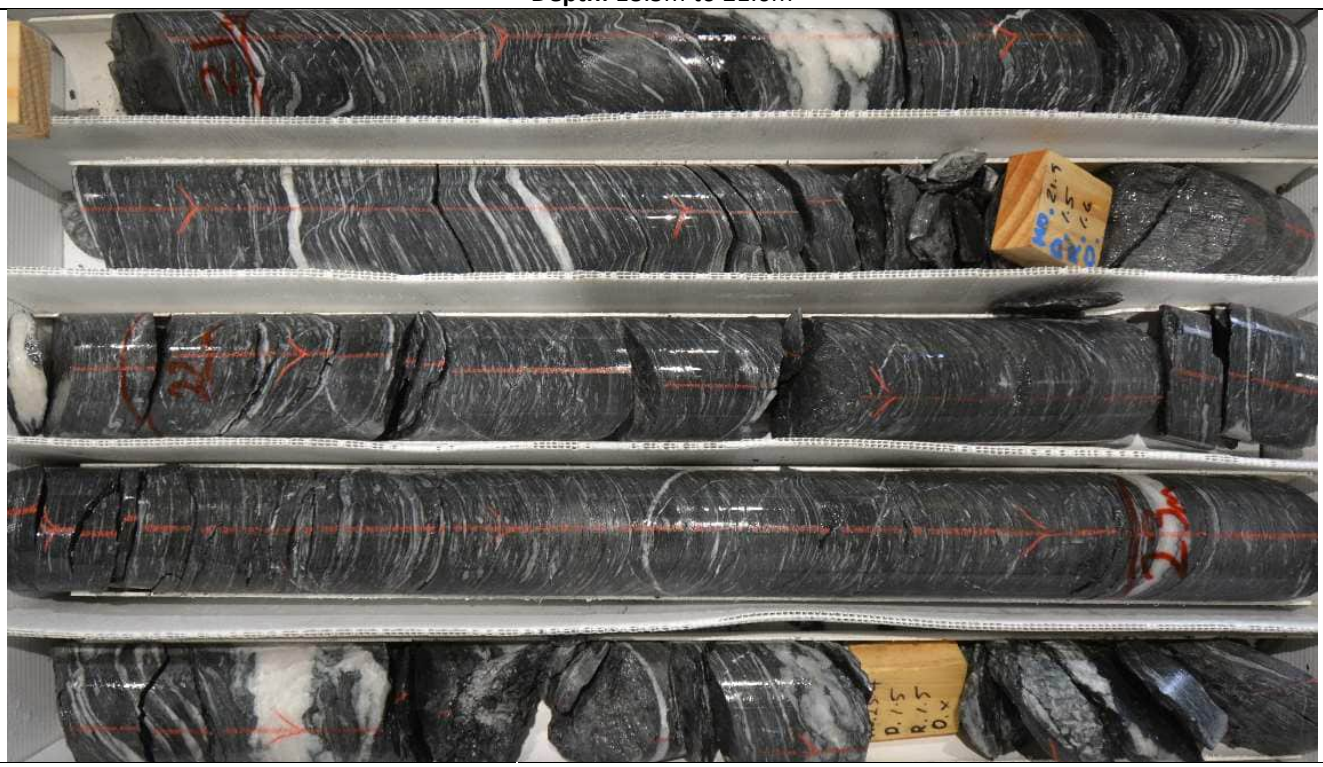
Depth: 16.0m to 18.5m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	7/12/2024	**End Date**	10/12/2024

Title:	**MDD394 - CORE PHOTOGRAPHS**



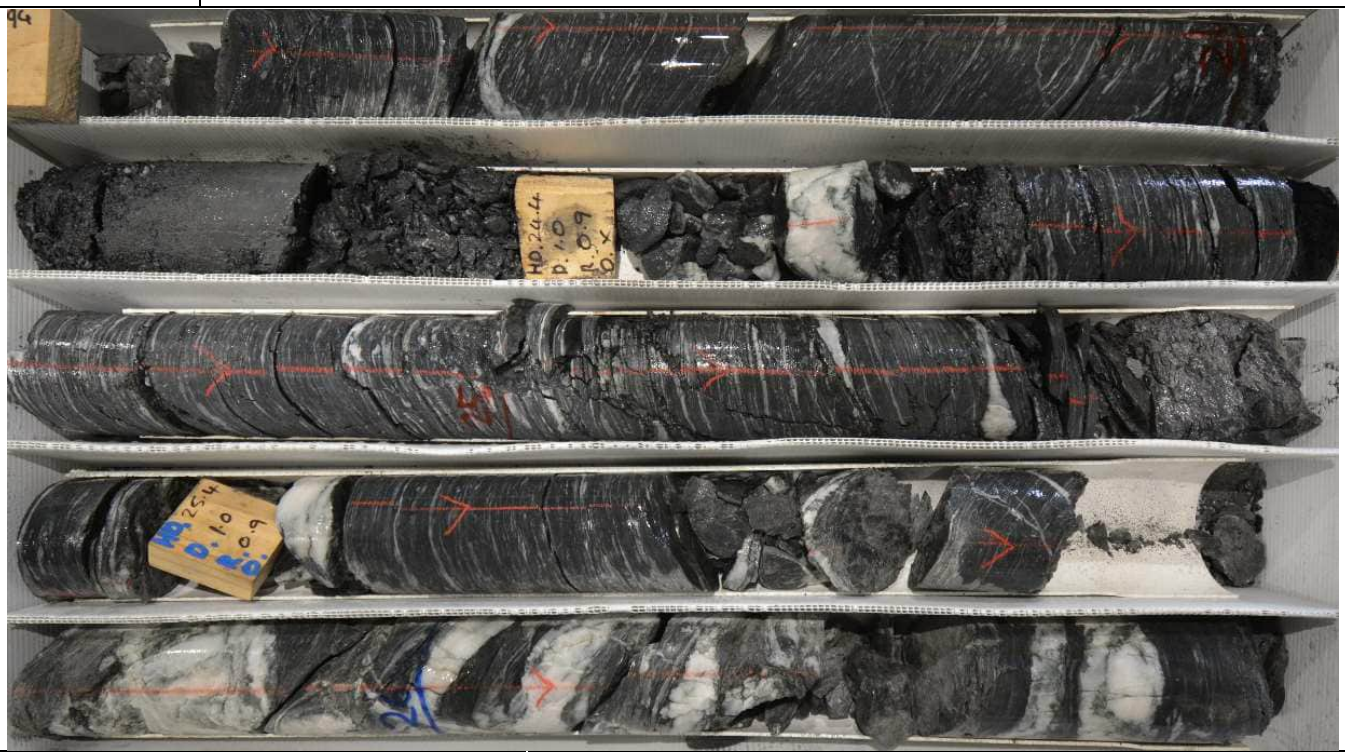
Depth: 18.5m to 21.0m



Depth: 21.0m to 23.5m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	7/12/2024	**End Date**	10/12/2024

Title:	**MDD394 - CORE PHOTOGRAPHS**



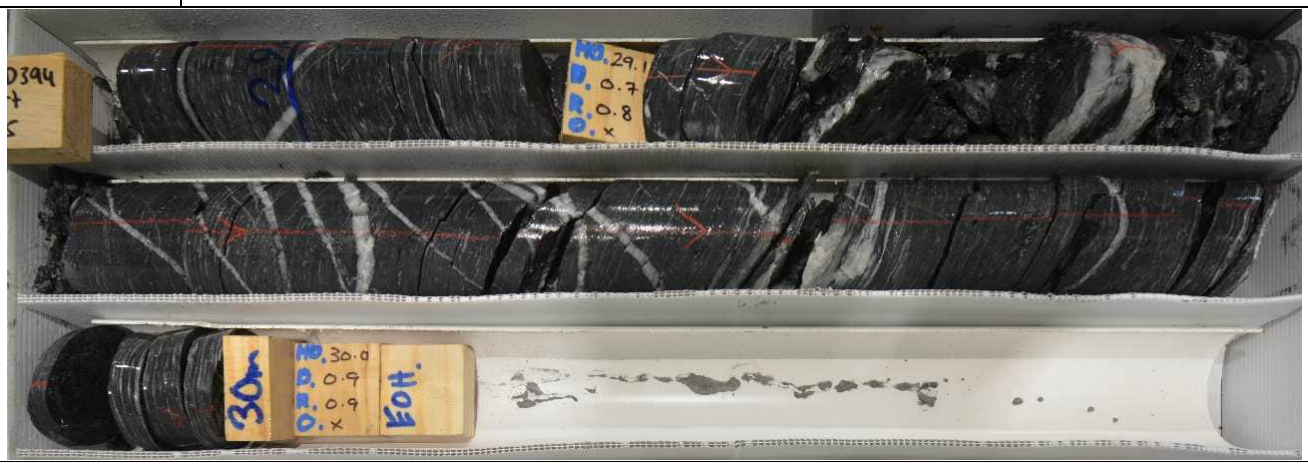
p **Depth:** 23.5m to 26.4m



Depth: 26.4m to 28.9m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	7/12/2024	**End Date**	10/12/2024

Title:	**MDD394 - CORE PHOTOGRAPHS**



Depth: 28.9m to 30m

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ROCK LOG

DRILLHOLE No.: MDD396

SHEET 1 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
Colluvium	Sandy SILT minor gravel. Sand, fine. Gravel, fine tabular highly weathered schist light brown Stiff Moist. Non-Plastic.	1	628					VW			0.50	0		Groundwater Not Encountered		
	Sandy CLAY minor silt and gravel. Sand, fine. Gravel, fine tabular highly weathered schist brown Stiff Moist. Moderate Plasticity.										0.20	0				
	Sandy SILT minor gravel and clay. Sand, fine. Gravel, fine tabular highly weathered schist light brown Very Stiff Moist. Low Plasticity.		627								0.40	0				
	1.8m: 20mm wide PQ core sized, brownish grey, moderately weathered schist, moderately strong.										0.20	0				
	Silty SAND minor gravel and clay. Sand, fine. Gravel, fine tabular highly weathered schist brown Dense Moist. Non-Plastic.	2	626								0.20	0				
											0.20	0				
											0.10	0				
											0.50	0				
	CLAY minor sand and silt trace gravel. Sand, fine. Gravel, fine tabular highly weathered schist brown Hard Moist. High Plasticity.										0.60	0				
	Gravelly CLAY minor sand and silt. Sand, fine. Gravel, fine tabular highly weathered schist brown Hard Moist. Moderate Plasticity.	3	625								0.40	0				
	Core loss.			C/L				VW			0.30	0				
				C/L							0.30	0				
				C/L							0.10	0				
	Gravelly CLAY minor sand and silt. Sand, fine. Gravel, fine tabular highly weathered schist grey Hard Moist. Moderate Plasticity.	4	624								0.10	0				
											0.20	0				
											0.30	0				
	Silty SAND some gravel minor clay. Sand, fine. Gravel, fine tabular highly weathered schist grey Dense Moist. Non-Plastic.						CW	VW			0.20	0				
											0.20	0				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:27:39 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD396

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
Colluvium	Silty SAND some gravel minor clay. Sand, fine. Gravel, fine tabular highly weathered schist grey Dense Moist. Non-Plastic.	6	623				CW	VW			0.20	0				
											0.40	0				
											0.50	0				
			622								0.50	0				
	Gravelly CLAY minor sand and silt. Sand, fine. Gravel, fine tabular highly weathered schist grey Hard Moist. Low Plasticity.	7									0.40	0				
	Silty SAND some gravel minor clay. Sand, fine. Gravel, fine tabular highly weathered schist grey Dense Moist. Non-Plastic.		621								0.60	0				
		8									0.70	0				
TZ3	Completely weathered Brown Schist. Extremely Weak. Foliation preserved at 84 degree alpha. Breaks in hand to clayey gravel. Gravel, fina tabular schist and angular quartz.		620				HW	W			0.70	86		Groundwater Not Encountered		
	Highly weathered brownish grey Pelitic Schist. Very Weak. Breaks with hammer blows to fine tabular gravel. Closely spaced Fractures.	9	619					MS			1.00	75				
	Very closely spaced Fractures.				Joint; 80°, smooth, planar, moderately wide: 60-200mm, clay/gouge.											

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:27:40 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD396

SHEET 3 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Highly weathered brownish grey Pelitic Schist. Very Weak. Breaks with hammer blows to fine tabular gravel. Very closely spaced Fractures.	11	618		Foliation Parting; 70°, slickensided, planar, clay/gouge.		HW	MS			1.60	63				
		12	617								0.30	90				
			616		Shear Zone, smooth, planar, clay/gouge.		MW	MS			0.40	37				
		13	615		Crush Zone, Undulating, fine tabular schist gravel. Shear Zone, smooth, planar, moderately wide: 60-200mm, clay/gouge.			W			0.80	40				
		14	614		Shear Zone, smooth, planar, clay/gouge.						1.30	33				
	Moderately weathered grey Pelitic Schist. Very Weak. Very closely spaced Fractures.							MS			1.50	47				
								MS								

Groundwater Not Encountered

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD396

SHEET 4 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Moderately weathered grey Pelitic Schist. Very Weak. Very closely spaced Fractures.	16	613		Crush Zone, smooth, planar, rock fragments.		MW	MS			1.50	47		Groundwater Not Encountered		
					Shear Zone, smooth, planar, clay/gouge.			W								
	Slightly weathered grey Pelitic Schist. Weak. Very closely spaced Fractures.	17	612				SW	W			1.40	36				
			611		Joint, smooth, planar, clay/gouge.			S			0.30	83				
	Closely spaced Fractures.	18	610				UW				1.50	60				
	Very closely spaced Fractures.	19			Joint; 70°, smooth, planar, rock fragments. Joint; 60°, rough, planar, clay/gouge.											
					Joint, smooth, planar, clay/gouge.											
			609		Foliation Parting, smooth, planar, moderately narrow: 20-60mm, rock fragments.						1.50	20				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD396

Job No.: 9702

PROJECT: BOGP
BH LOCATION:
RELATIVE LOCATION:
COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2
DATUM: NZVD 2016
GRID: NZTM 2000

HOLE STARTED: 12/12/2024
HOLE FINISHED: 18/12/2024
HOLE DEPTH: 70.1m
INCLINATION: 80°
ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Slightly weathered grey Pelitic Schist. Weak.Closely spaced Fractures.	21	608		Joint, slickensided, undulating, clay/gouge.		UW	S			1.50	20		Groundwater Not Encountered		
	Very closely spaced Fractures.				Shear Zone; 70°, smooth, planar, clay/gouge.			W								
	Unweathered grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures.	22	607		Fractured Zone.			S			1.40	44				
					Joint; 70°, smooth, undulating.											
					Joint; 70°, smooth, undulating.											
					Foliation Parting; 70°, smooth, curved.											
					Shear Zone; 60°, rock fragments.											
		23	606		Crush Zone; 40°, rock fragments.											
					Fractured Zone; 60°, rock fragments.											
					Joint; 70°, stepped, planar.						1.60	49				
					Joint; 60°, smooth, planar.											
					Joint; 70°, smooth, planar.											
					Joint; 80°, smooth, planar.											
					Joint; 70°, smooth, planar.											
		24	605		Joint; 70°, smooth, planar.											
					Joint; 60°, rough, planar, rock fragments.						0.10	0				
											0.20	0				
	Closely spaced Fractures.				Fractured Zone; 80°, rock fragments.											
					Joint; 70°, smooth, undulating.						1.20	88				
			604		Foliation Parting; 40°, smooth, planar, very narrow:											

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD396

SHEET 6 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures.				Shear Zone; 70°, clay/gouge. Shear Zone, stepped, CLAY minor gravel. Gravel, fine angular quartz, and fine tabular schist.		UW	S			1.20	88		Groundwater Not Encountered		
			603					W								
	Closely spaced Fractures.	26			Joint; 40°, stepped, planar.						1.50	54				
			602		Joint; 70°, smooth, planar.			S								
					Joint; 70°, smooth, undulating.											
		27			Joint; 60°, smooth, planar.						1.50	72				
					Joint; 60°, smooth, planar.											
			601		Joint; 70°, smooth, planar.											
	Very closely spaced Fractures.				Joint; 70°, smooth, planar.											
		28			Joint; 70°, smooth, planar.											
					Joint; 70°, smooth, stepped.											
					Crush Zone; 70°, rock fragments.											
			600		Joint; 70°, rough, planar, rock fragments.			MS			1.50	19				
					Fractured Zone, rock fragments.											
		29			Fractured Zone, rock fragments.											
			599		Fractured Zone; 70°, rough, planar, rock fragments.			MS			1.50	41				
					Foliation Parting; 80°, smooth, planar.											
					Joint; 60°, smooth, planar.											

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD396

SHEET 7 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures. Closely spaced Fractures. 31.8m - 32.0m: Very weak pelitic schist. Recovered covered in drilling cuttings Breaks with a scraper to fine tabular schist. 32.6m - 36.3m: Irregular stepped joints prevalent. Very closely spaced Fractures.	31 32 33 34	598 597 596 595 594		Fractured Zone; 50°, rock fragments. Joint; 70°, rough, planar, rock fragments. Joint; 80°, rough, planar, rock fragments. Joint; 30°, rough, planar, rock fragments. Crush Zone; 70°, rock fragments. Joint; 70°, smooth, undulating. Joint; 70°, smooth, planar. Joint; 70°, smooth, planar. Joint; 70°, smooth, undulating. Fault, clay/gouge. Joint, stepped, planar. Shear Zone; 20°, rock fragments. Fractured Zone; 80°, rock fragments. Crush Zone; 80°, rock fragments. Joint; 80°, smooth, planar. Joint, smooth, planar, rock fragments. Joint; 80°, stepped, stepped. Joint; 80°, smooth, undulating. Joint; 80°, rough, planar, rock fragments. Crush Zone; 80°, rock fragments. Crush Zone, stepped, Clayey GRAVEL, fine tabular schist. Upper 100mm of crush zone quartz only.		UW	MS W MS			1.50 1.40 0.80 1.60 1.30	41 44 19 16 33		Groundwater Not Encountered		

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LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD396

SHEET 8 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong.				Joint; 10°, smooth, planar, rock fragments.		UW	MS			1.30	33		Groundwater Not Encountered		
	Closely spaced Fractures.				Joint; 70°, smooth, undulating.											
					Joint; 60°, smooth, curved.											
					Joint, stepped, fine tabular schist gravel.											
			593		Joint; 50°, rough, planar, rock fragments.			W								
					Fractured Zone; 60°, clay/gouge.											
		36														
	Extremely closely spaced Fractures.				Fault; 60°, clay/gouge.											
					Crush Zone; 70°, rock fragments.											
	Very closely spaced Fractures.															
	37.0m - 37.3m: Extremely weak pelitic schist. Recovered covered in drilling cuttings. Breaks in hand to fine tabular schist.		592		Joint; 70°, rough, planar, rock fragments.			MS			0.90	0				
	37.4m - 38.0m: Very weak pelitic schist. Recovered covered in drilling cuttings Breaks with a scraper to fine tabular schist.	37			Shear Zone; 70°, clay/gouge.											
					Crush Zone, undulating, fine angular quartz gravels.											
	Closely spaced Fractures.				Fault; 80°, clay/gouge.											
			591					VW			1.20	46				
	Very closely spaced Fractures.	38														
					Joint; 70°, smooth, planar.											
					Shear Zone; 60°, rock fragments.											
	Extremely closely spaced Fractures.				Joint; 80°, smooth, planar, very narrow:											
								MS			1.20	0				
	Closely spaced Fractures.				Joint; 80°, smooth, planar.											
			590		Shear Zone, CLAY minor gravel. Gravel, fine angular quartz, and fine tabular schist.											
		39			Shear Zone; 35°, clay/gouge.											
					Shear Zone; 30°, clay/gouge.											
	Extremely closely spaced Fractures.															
					Shear Zone; 75°, clay/gouge. Crush Zone, Clayey GRAVEL, fine tabular schist.			W			0.30	0				
			589		Shear Zone; 45°, rock fragments.						1.60	32				

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CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD396

Job No.: 9702

PROJECT: BOGP
BH LOCATION:
RELATIVE LOCATION:
COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2
DATUM: NZVD 2016
GRID: NZTM 2000

HOLE STARTED: 12/12/2024
HOLE FINISHED: 18/12/2024
HOLE DEPTH: 70.1m
INCLINATION: 80°
ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Extremely closely spaced Fractures.				Joint; 60°, β120°, smooth, planar.		UW	S			1.60	32		Groundwater Not Encountered		
	Very closely spaced Fractures.				Joint; 65°, β110°, smooth, planar, very narrow:											
	Closely spaced Fractures.	41	588		Joint; 50°, β80°, rough, planar.											
	Very closely spaced Fractures.				Joint; 55°, smooth, planar.											
					Fractured Zone; 60°, rock fragments.											
					Joint; 80°, rough, undulating.											
		42	587		Joint; 75°, smooth, planar.						1.50	41				
					Joint; 65°, rough, planar, rock fragments.											
					Joint; 55°, smooth, stepped.											
					Joint; 20°, smooth, planar.											
					Joint; 50°, smooth, planar.											
		43	586		Joint; 45°, β100°, rough, planar.											
					Joint; 70°, β70°, smooth, planar, narrow: 6-20mm.						1.50	84				
					Joint; 45°, β130°, smooth, undulating, narrow: 6-20mm.											
					Joint; 70°, β120°, smooth, undulating.											
		44	585		Joint; 60°, β110°, smooth, undulating.											
					Joint; 15°, β100°, smooth, undulating.											
					Joint; 90°, β120°, smooth, planar, narrow: 6-20mm.						1.60	73				
					Joint; 80°, rough, planar, rock fragments.											
			584		Joint; 60°, smooth, undulating.											

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD396

SHEET 10 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Closely spaced Fractures.	46	583		Joint; 85°, stepped, planar, rock fragments. Joint; 50°, smooth, planar. Joint, β120°, smooth, planar. Joint, β120°, smooth, undulating. Joint, smooth, planar.		UW	S			1.60	73		Groundwater Not Encountered		
	Very closely spaced Fractures.				Joint, smooth, undulating, very narrow: Joint, smooth, planar. Joint, rough, planar. Joint, smooth, planar, narrow: 6-20mm.						1.50	11				
	Closely spaced Fractures.	47	582		Joint, smooth, planar. Joint, smooth, stepped.											
	Very closely spaced Fractures.				Fractured Zone, rock fragments. Fractured Zone, rock fragments.											
		48	581		Joint, rough, stepped, rock fragments. Joint, smooth, planar.						1.50	84				
	Closely spaced Fractures.				Joint, smooth, stepped, rock fragments. Joint, smooth, undulating. Joint, smooth, planar.											
		49	580		Joint, smooth, planar.											
	Very closely spaced Fractures.				Joint, stepped, planar. Joint, smooth, undulating, rock fragments. Joint, smooth, planar.						1.50	65				
	Closely spaced Fractures.		579		Joint, smooth, curved.											

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LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD396

SHEET 11 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Closely spaced Fractures.				Joint, smooth, planar.		UW	S			1.50	65		Groundwater Not Encountered		
	Very closely spaced Fractures.				Joint, smooth, undulating.											
					Joint.											
	Closely spaced Fractures.							MS			1.00	29				
	Very closely spaced Fractures.	51	578		Crush Zone, Undulating, Gravel, some fine sand. Gravel, fine tabular schist gravel.											
					Fault, clay/gouge.											
					Joint, Planar, Fine sand.											
					Joint, very rough, planar, rock fragments.											
					Fractured Zone, planar, rock fragments.											
					Joint, smooth, planar, rock fragments.						0.20	0				
					Joint, smooth, planar.											
					Fractured Zone, rock fragments.											
					Joint, smooth, planar.											
					Joint, smooth, planar.											
					Joint, smooth, planar.											
		52	577		Crush Zone, rock fragments.											
					Joint, very rough, planar.											
					Joint, very rough, planar, narrow: 6-20mm.											
					Joint, very rough, planar.											
					Joint, very rough, planar.											
					Joint, smooth, planar, rock fragments.						1.50	77				
	Closely spaced Fractures.							S								
					Joint, smooth, curved.											
					Joint, smooth, undulating.											
		53	576													
	Very closely spaced Fractures.				Fractured Zone, undulating, rock fragments.											
					Joint, smooth, planar, rock fragments.											
					Fractured Zone, rock fragments.						0.80	54				
					Joint, smooth, planar.											
					Joint, very rough, planar.											
					Joint, very rough, planar.											
		54	575		Joint, smooth, planar.											
					Joint, rough, planar, moderately wide: 60-200mm, rock fragments.			S			1.10	41				
					Fractured Zone, rough, planar, narrow: 6-20mm, rock fragments.											

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:27:40 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD396

Job No.: 9702

PROJECT: BOGP
BH LOCATION:
RELATIVE LOCATION:
COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2
DATUM: NZVD 2016
GRID: NZTM 2000

HOLE STARTED: 12/12/2024
HOLE FINISHED: 18/12/2024
HOLE DEPTH: 70.1m
INCLINATION: 80°
ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures.		574				UW	S			1.10	41		Groundwater Not Encountered		
	Closely spaced Fractures.				Joint, stepped, planar, moderately wide: 60-200mm.											
	Very closely spaced Fractures.	56	573								1.50	63				
		57	572		Joint, smooth, planar, moderately narrow: 20-60mm.						1.50	37				
		58	571		Joint, β270°, rough, planar, rock fragments.						1.50	40				
		59	570								1.50	30				
	Closely spaced Fractures.															

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:27:40 am - Produced with Core-GS by Geroc

Engineering Geology Ltd
+64 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
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ROCK LOG

DRILLHOLE No.: MDD396

SHEET 13 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Closely spaced Fractures.	61	569				UW	S			1.50	30		Groundwater Not Encountered		
	Very closely spaced Fractures.		568		Foliation Parting, smooth, planar, moderately narrow: 20-60mm, clay/gouge.											
					Joint, β200°, smooth, stepped, clay/gouge.						1.50	50				
		62			Joint, β180°, defined ridges, planar.											
			567													
	Closely spaced Fractures.															
		63														
			566		Joint, rough, planar, very narrow:											
					Joint, β185°, stepped, curved.						1.40	66				
	Very closely spaced Fractures.															
		64			Joint, β200°, defined ridges, planar, clay/gouge.											
			565					MS			1.40	9				
					Foliation Parting, smooth, planar, narrow: 6-20mm.											
					Joint, defined ridges, stepped, moderately narrow: 20-60mm.											

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:27:40 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers
Engineering Geology Ltd
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PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD396

SHEET 14 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures.	66 67 68 69	564 563 562 561 560		Joint, defined ridges, stepped. Crush Zone, smooth, planar, rock fragments. Joint, β210°, defined ridges, planar, moderately wide: 60-200mm. Foliation Parting, β220°, planar. Joint, stepped, planar, moderately narrow: 20-60mm, rock fragments. Crush Zone, β80°, smooth, planar, rock fragments. Crush Zone, Undulating, Gravelly Clay. Gravel, fine angular quartz, and fine tabular schist.		UW	MS S MS MS			1.40 1.50 1.20 1.30 0.70	9 0 29 0 0		Groundwater Not Encountered		

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:27:40 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD396

SHEET 15 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319794.5 North 5017294.5

RL GROUND: 628.2

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

HOLE DEPTH: 70.1m

INCLINATION: 80°

ORIENTATION: 207°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ 3	Unweathered grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures.						UW	MS			0.70	0		No		
	EOH: 70.10 m															

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:27:40 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



Depth: 0m to 1.2m



Depth: 1.2m to 2.3 m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



Depth: 2.3m to 4.6m



Depth: 4.6m to 6.4m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



Depth: 6.4m to 8.3m



Depth: 8.3m to 10.3m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



Depth: 10.3m to 12.3m



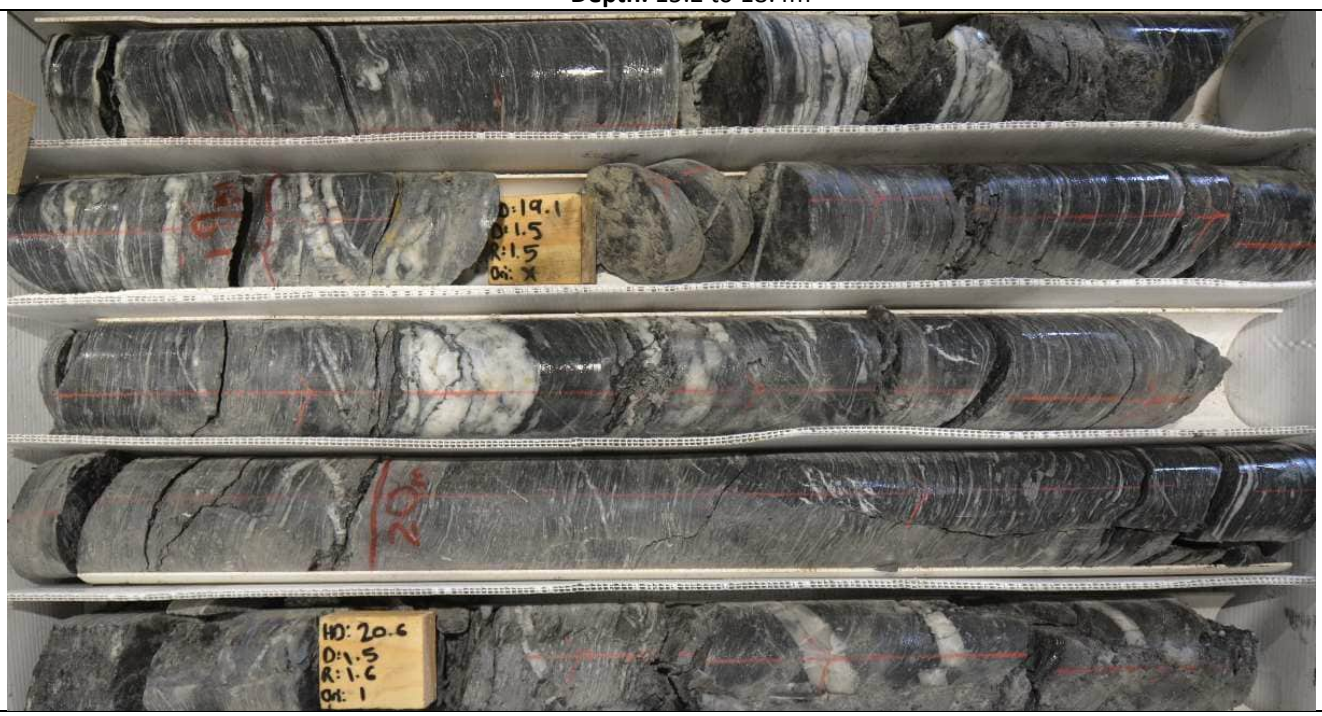
Depth: 12.3m to 15.2m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



Depth: 15.2 to 18.4m



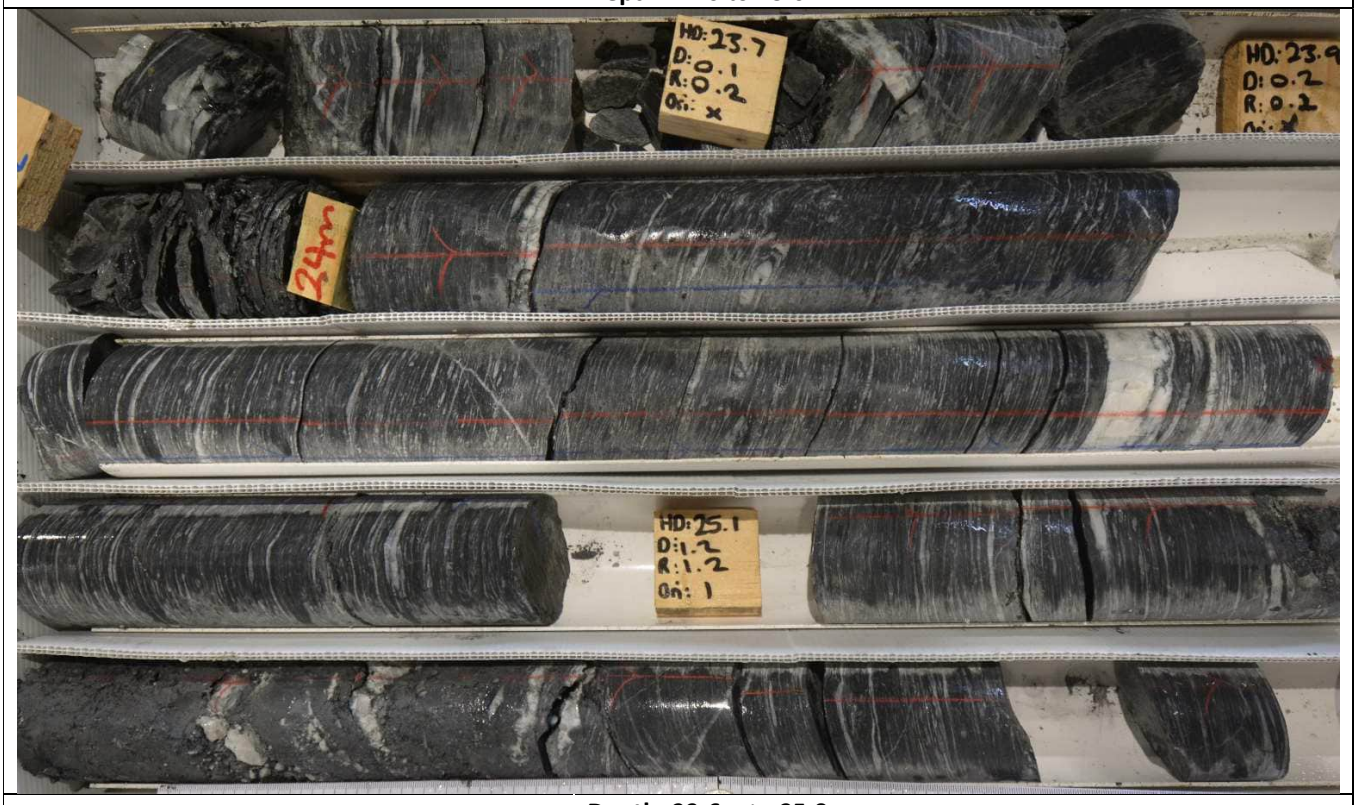
Depth: 18.4m to 21.0m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



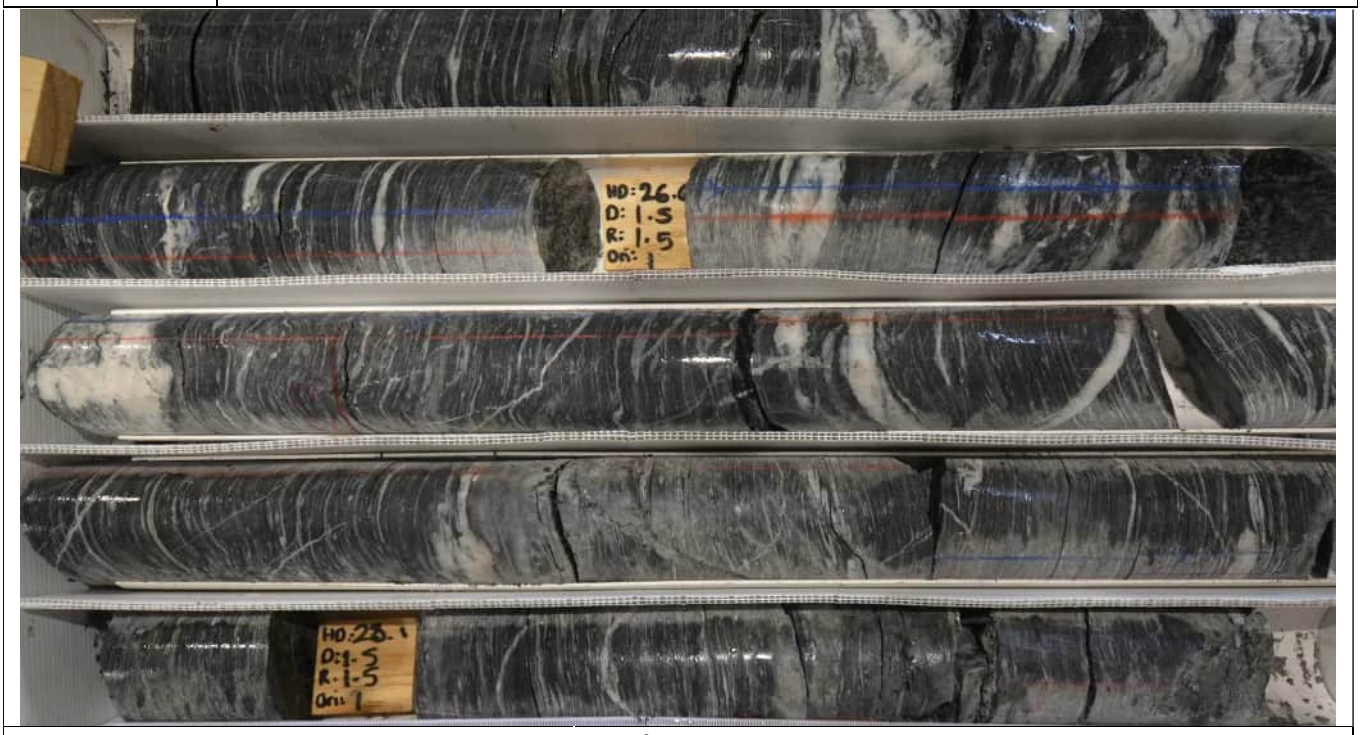
Depth: 21.0 to 23.6m



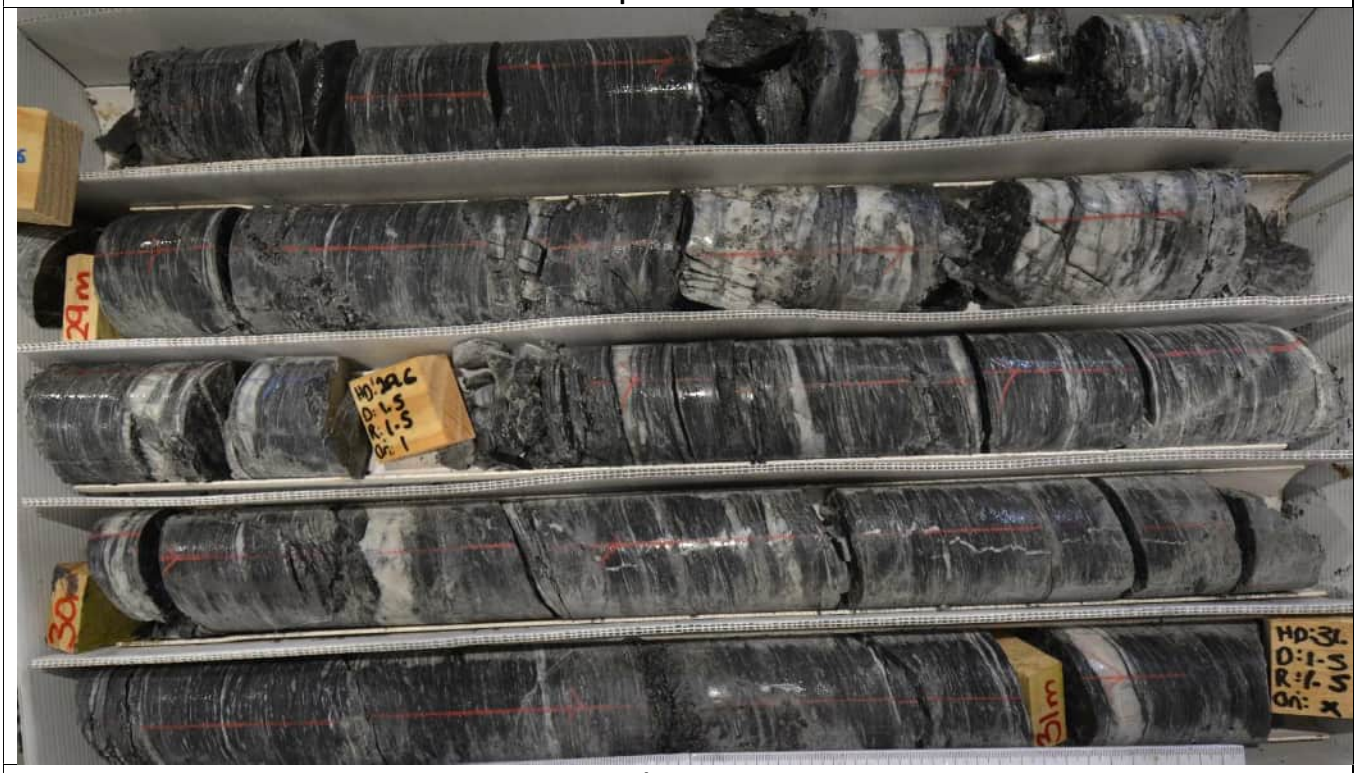
Depth: 23.6m to 25.8m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



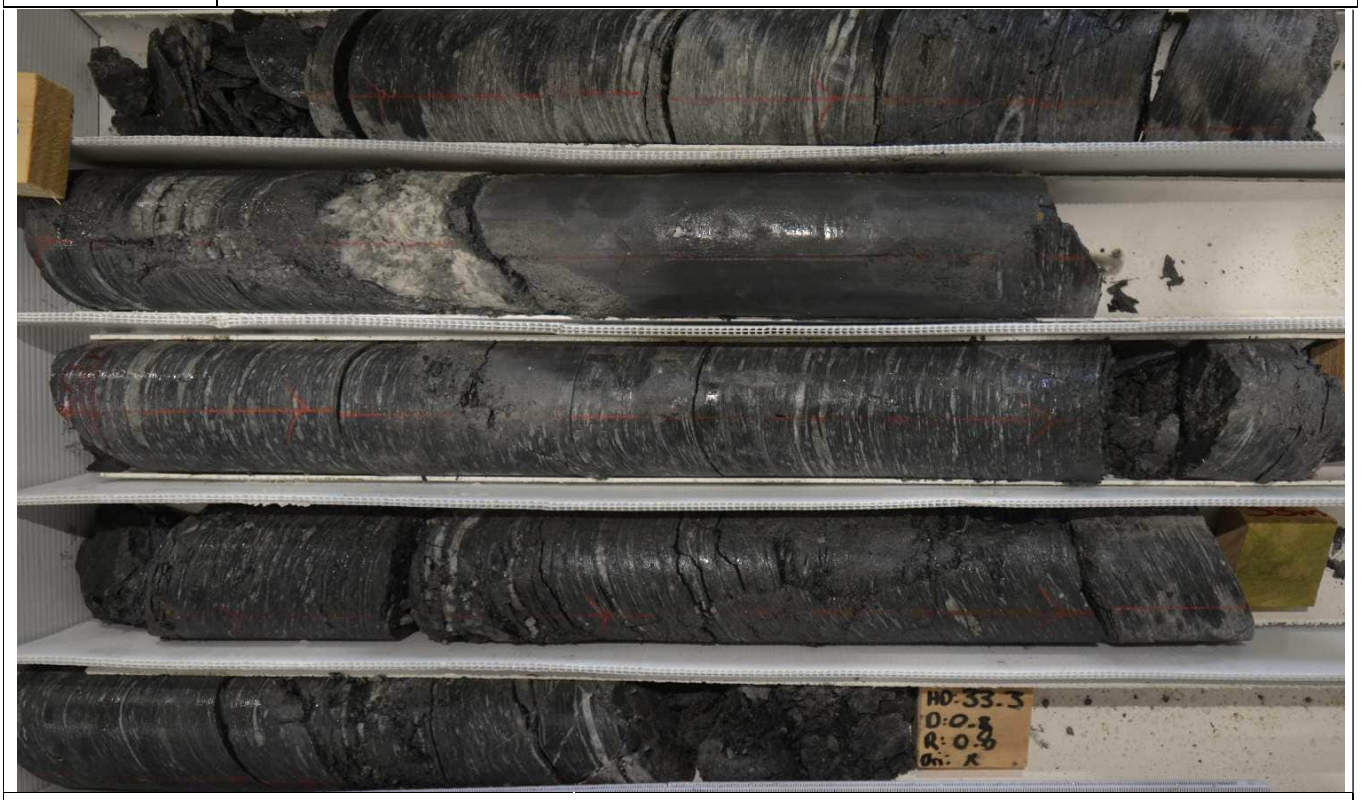
Depth: 25.8m to 28.5m



Depth: 28.5m to 31.1m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



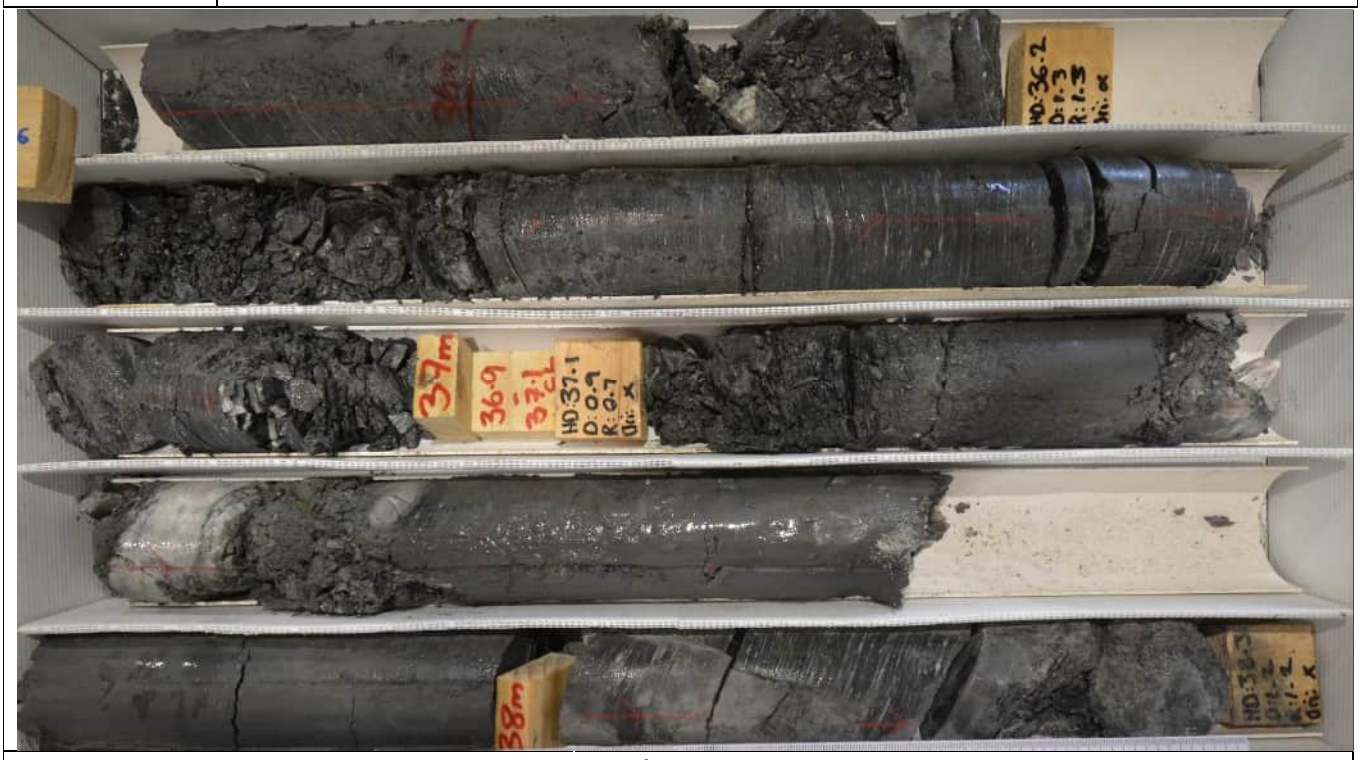
Depth: 31.3m to 33.3m



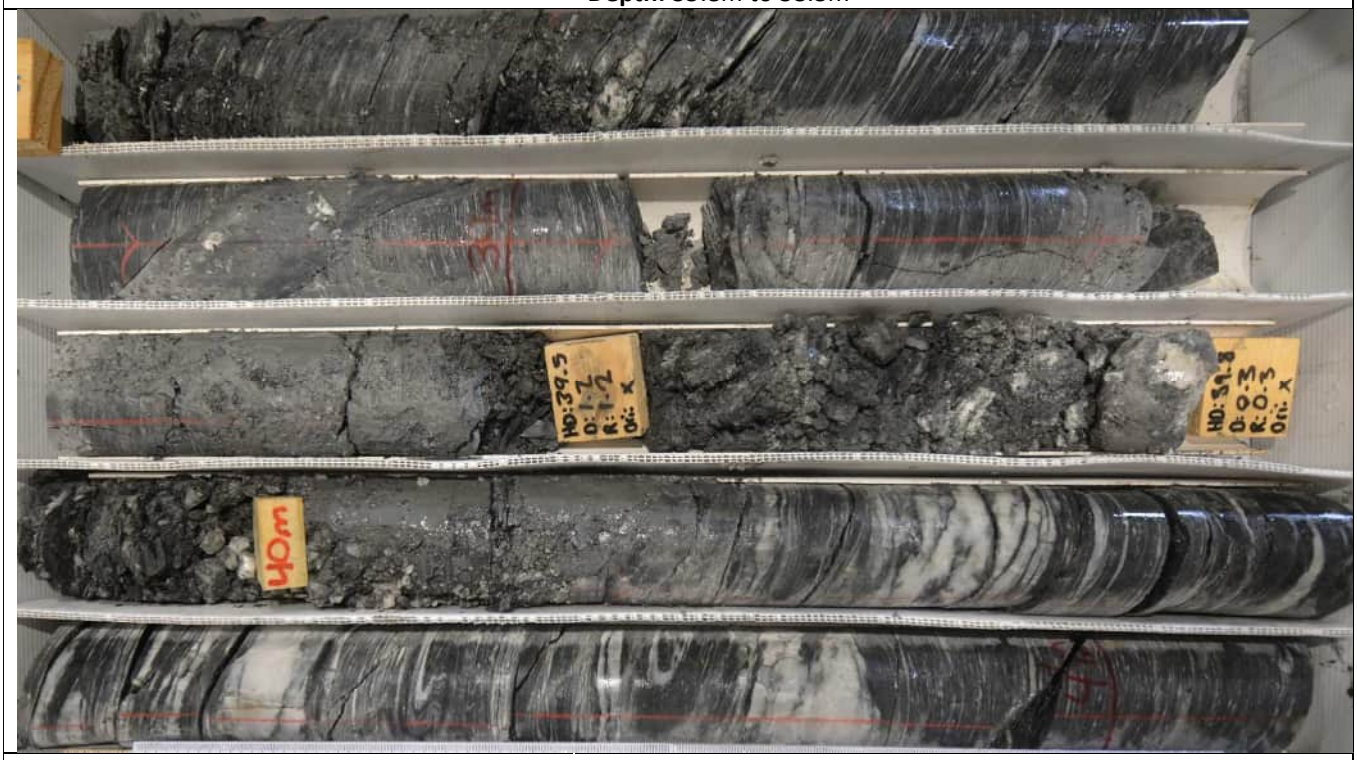
Depth: 33.3m to 35.8m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



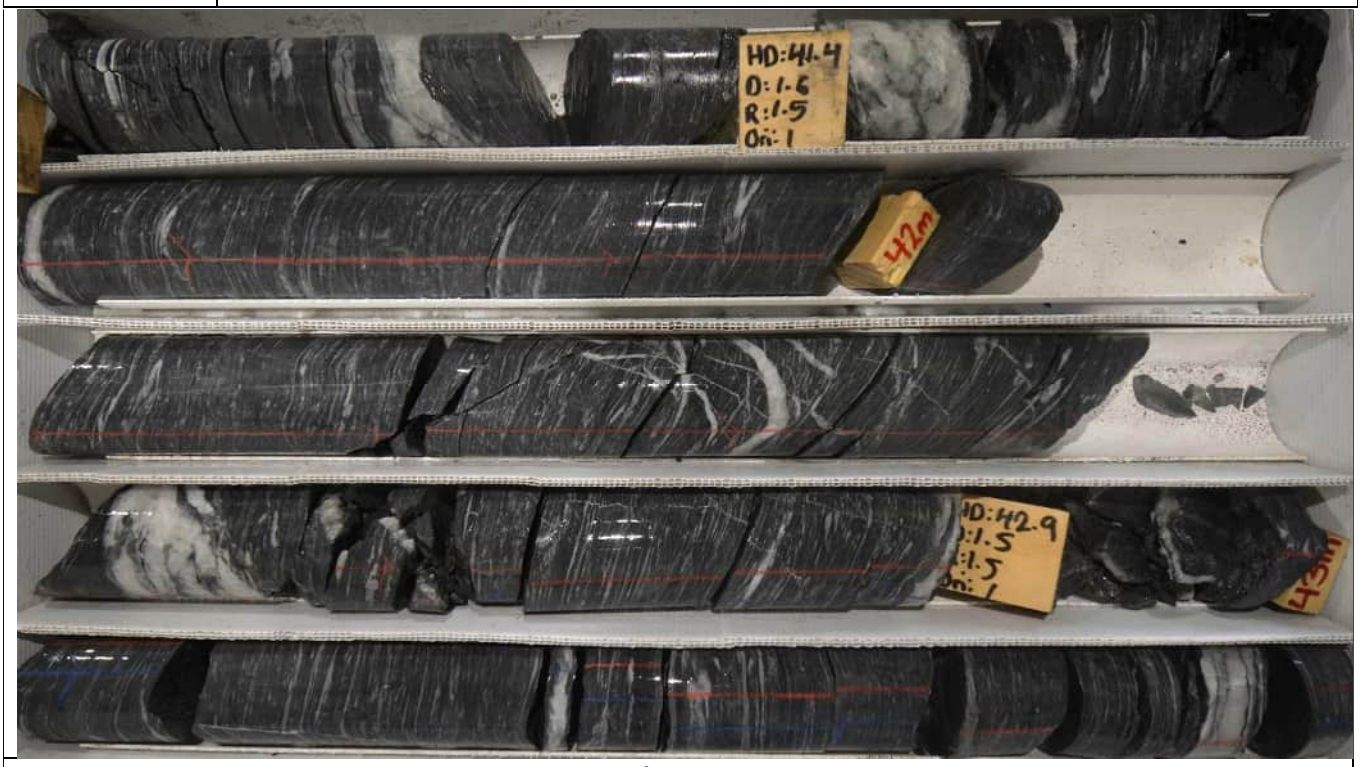
Depth: 35.8m to 38.3m



Depth: 38.3m to 41.1m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



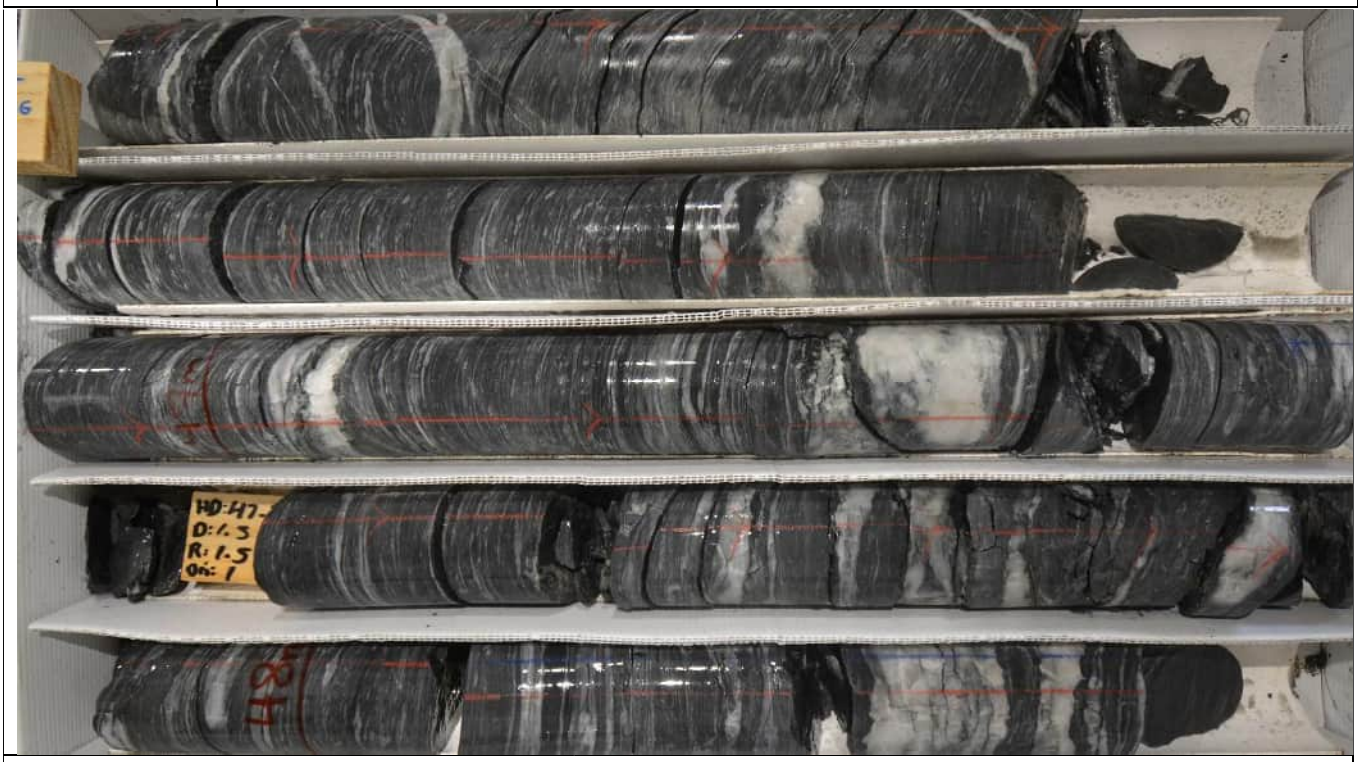
Depth: 41.1m to 43.6m



Depth: 43.6m to 46.0m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



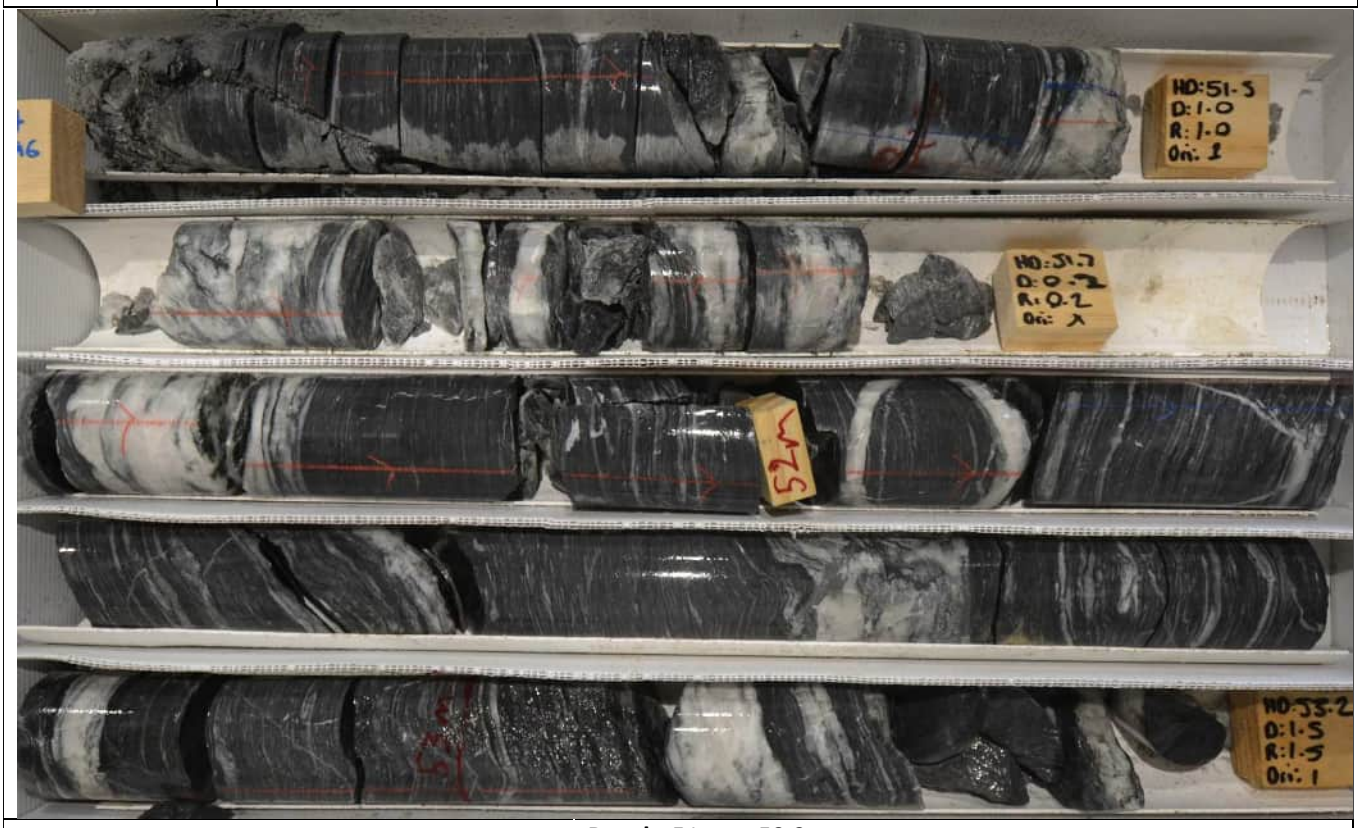
Depth: 46.0m to 48.4m



Depth: 48.4m to 51.0m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



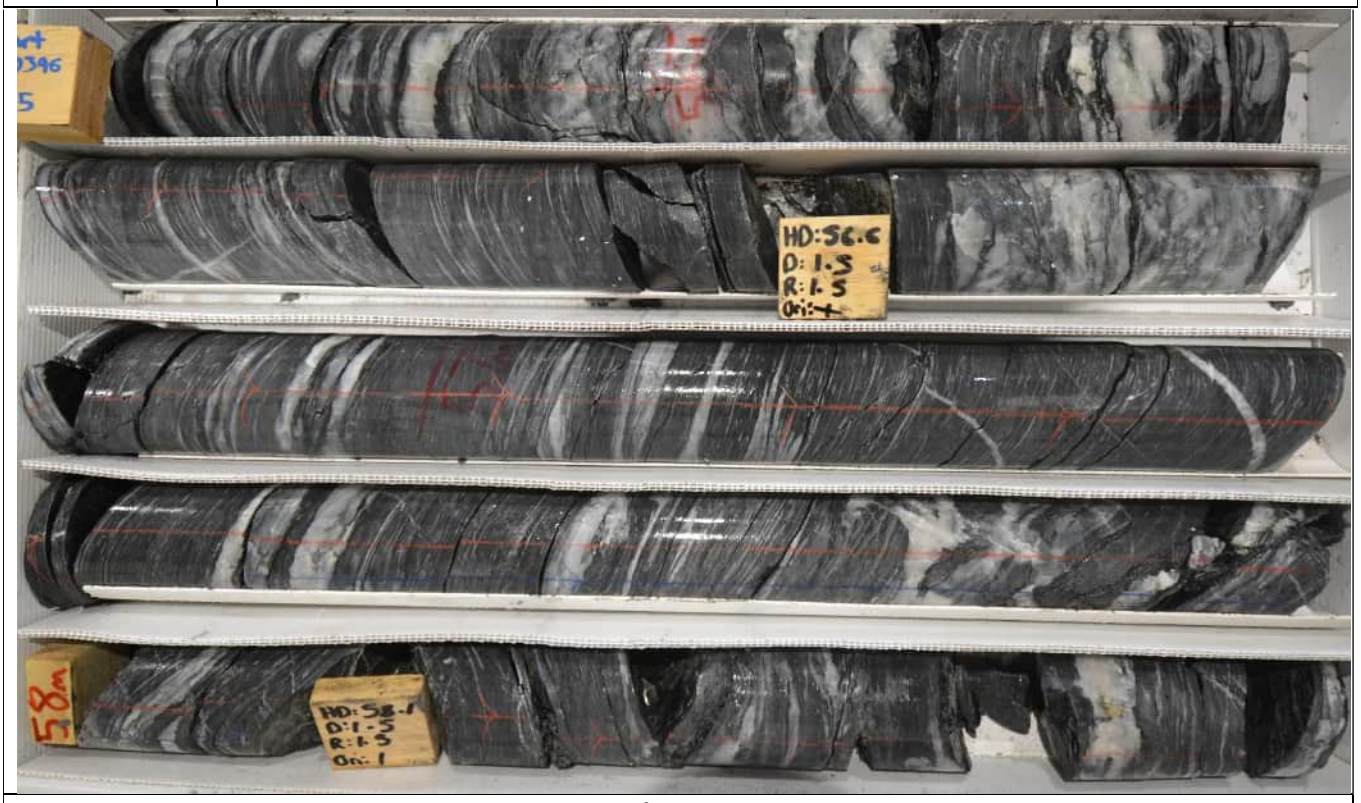
Depth: 51m to 53.3m



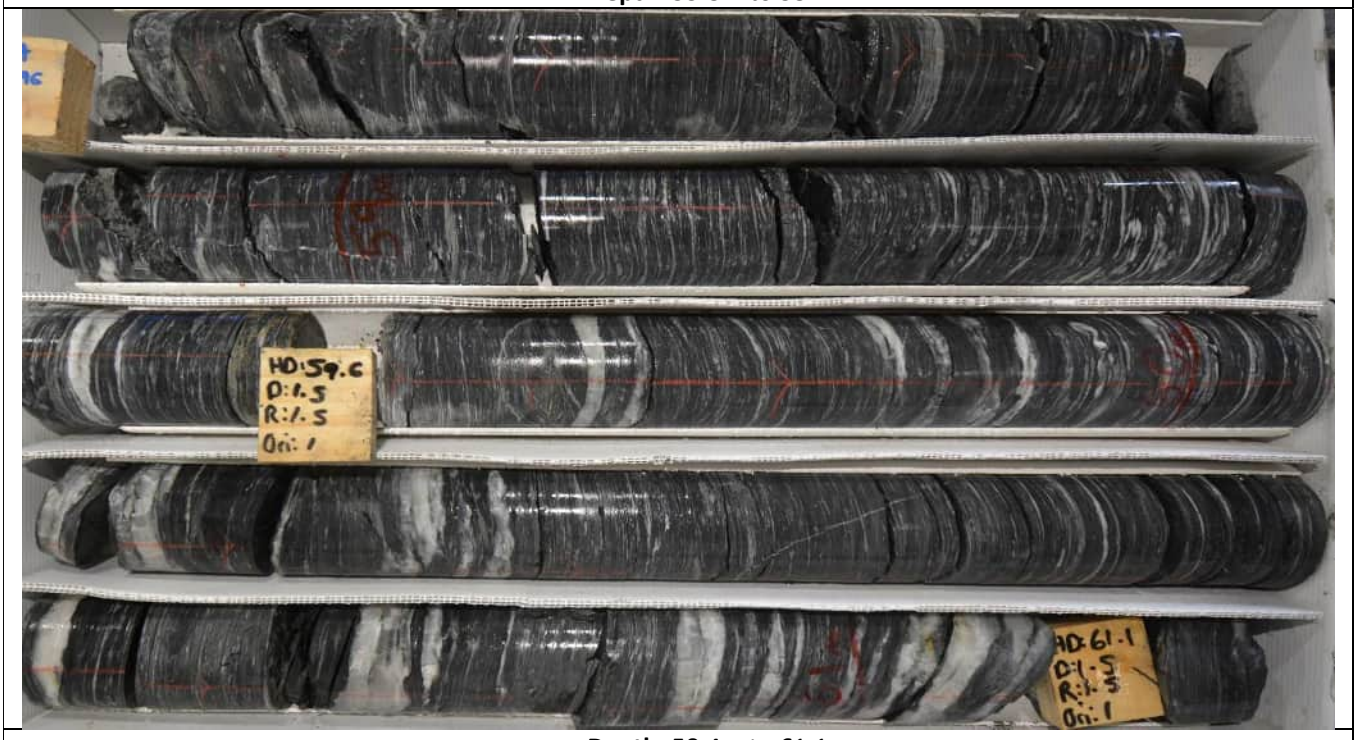
Depth: 53.3m to 55.8m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



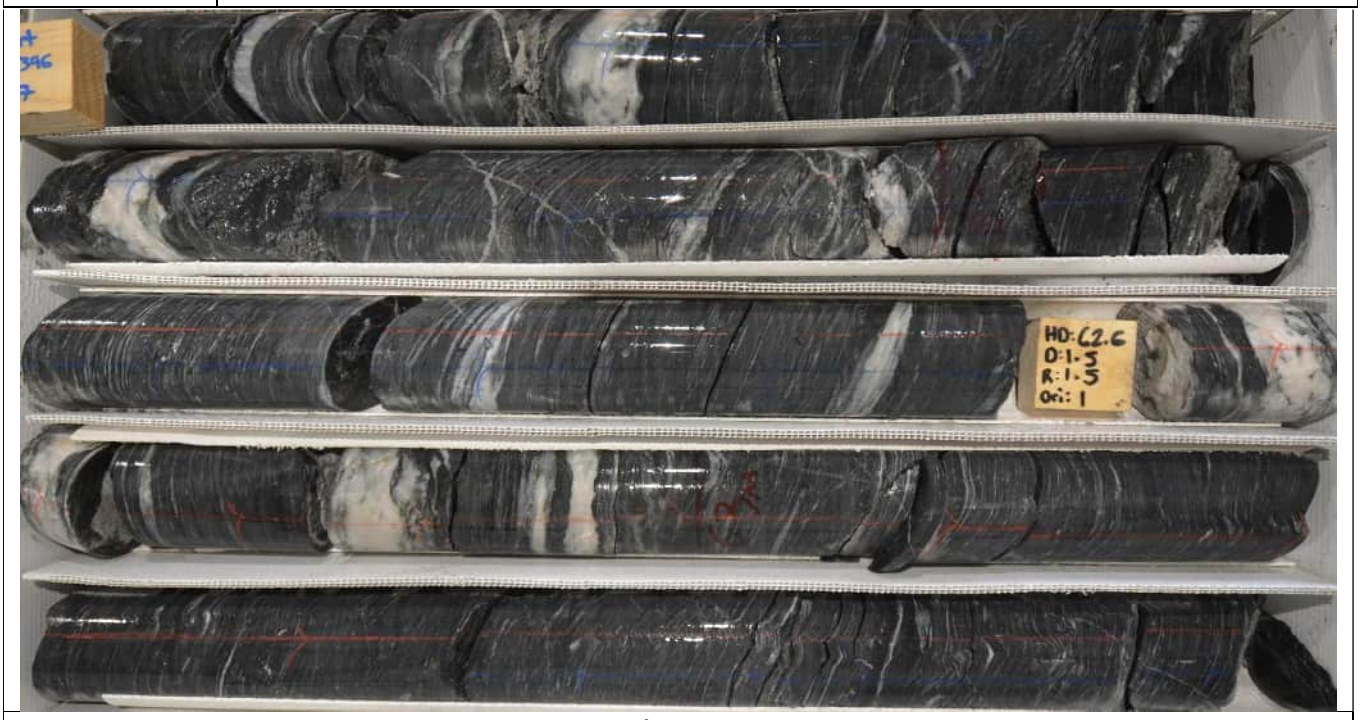
Depth: 55.8m to 58.4m



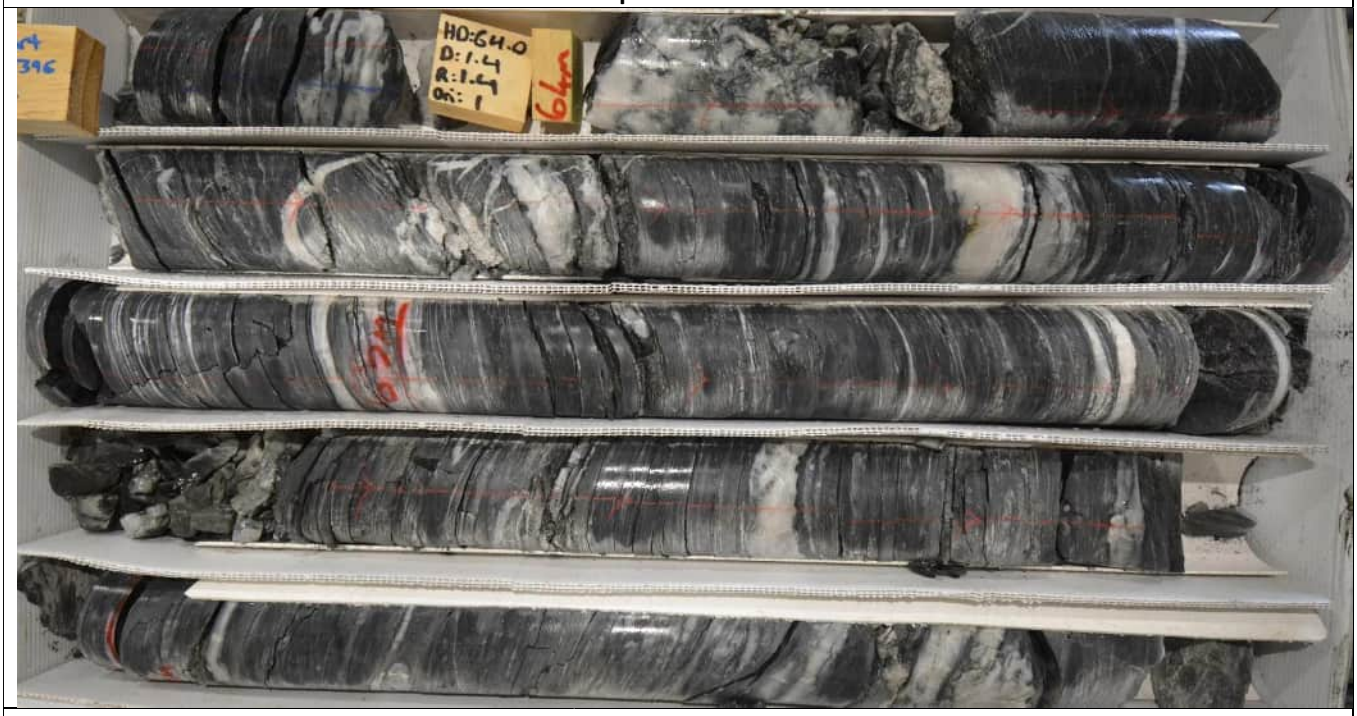
Depth: 58.4m to 61.1m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



Depth: 61.1m to 63.9m



Depth: 63.9m to 66.6m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	12/12/2024	**End Date**	18/12/2024

Title:	**MDD396 - CORE PHOTOGRAPHS**



Depth: 66.6m to 69.0m



Depth: 69.0m to 70.1m

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ROCK LOG

DRILLHOLE No.: MDD399

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
Colluvium	silty CLAY minor gravel trace sand; Brown. Very Stiff, Moist, Moderate Plasticity.							VW			0.30	0				
TZ3	Completely weathered brownish grey Schist. Extremely Weak. acts like a compacted fine angular/tabular gravel, gravels can be pulled out by hand, and crushed in hand to sand and silt.	1	683								0.40	0				
											0.80	0				
	Core loss	2	682	C/L C C/L C C/L							0.30	0				
											0.40	0				
	Highly weathered light grey Quartz. Strong.							W			0.40	0				
	Gravelly CLAY trace sand. Sand, fine. Gravel, fine angular quartz and tabular schist; brownish grey. Hard, Moist, Non-Plastic.	3	681								0.30	0				
											0.30	0				
	Moderately weathered Grey Pelitic Schist. Strong.										0.40	0				
	Gravelly CLAY trace sand. Sand, fine. Gravel, fine angular quartz and tabular schist; brownish grey. Hard, Moist, Non-Plastic.	4	680								0.30	0				
	Moderately weathered Grey Pelitic Schist. Strong.										0.45	0				
	Completely weathered brownish grey Schist. Extremely Weak. acts like a compacted fine angular/tabular gravel, gravels can be pulled out by hand, and crushed in hand to sand and silt.															
	Gravelly CLAY trace sand. Sand, fine. Gravel, fine angular quartz and tabular schist; brownish grey. Hard, Moist, Non-Plastic.															
	Highly weathered grey Pelitic Schist. Weak.							VW			0.95	0				
	Completely weathered brownish grey Schist. Extremely Weak. acts like a compacted fine angular/tabular gravel, gravels can be pulled out by hand, and crushed in hand to sand and silt.															

Groundwater Not Encountered

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:27:59 am - Produced with Core-GS by Geroc

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www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD399

Job No.: 9702

PROJECT: BOGP
BH LOCATION:
RELATIVE LOCATION:
COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9
DATUM: NZVD 2016
GRID: NZTM 2000

HOLE STARTED: 10/01/2025
HOLE FINISHED: 17/01/2025
HOLE DEPTH: 70.1m
INCLINATION: 70°
ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Completely weathered brownish grey Schist. Extremely Weak. acts like a compacted fine angular/tabular gravel, gravels can be pulled out by hand, and crushed in hand to sand and silt.	6	679					VW			0.95	0		Groundwater Not Encountered		
											0.60	0				
								VW			0.30	0				
		7	678					VS			0.30	0				
											0.50	0				
			677					VS			0.10	0				
								VW			0.65	0				
	Core loss	8		C/L												
			676	C/L				VW			0.75	0				
				C/L												
	Gravelly CLAY trace sand. Sand, fine. Gravel, fine angular quartz and tabular schist; brownish grey. Hard, Moist, Low Plasticity.	9									0.20	0				
											0.20	0				
											0.30	0				
	Completely weathered brownish grey Schist. Extremely Weak. acts like a compacted fine angular/tabular gravel, gravels can be pulled out by hand.		675					VW			0.40	0				
											0.40	0				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:28:00 am - Produced with Core-GS by Geroc

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www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 3 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Completely weathered brownish grey Schist. Extremely Weak. acts like a compacted fine angular/tabular gravel, gravels can be pulled out by hand.	11	674					VW			0.50 0.25 0.30	0 0 0				
	Moderately weathered brownish grey Pelitic Schist. Weak.	12	673		Foliation Parting; 70°, smooth, planar, narrow: 6-20mm, clean.			W			0.30 0.55	0 0				
	Highly weathered brownish grey Pelitic Schist. Very Weak.	13	672		Crush Zone, rock fragments.			MS			1.10	40		Groundwater Not Encountered		
	Completely weathered brownish grey Pelitic Schist. Very Weak.	14	671		Fault, clay/gouge.			W			0.45 0.40 0.50 0.50 0.60	0 0 0 0 0				
			670													

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:28:00 am - Produced with Core-GS by Geroc

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PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 4 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Completely weathered brownish grey Pelitic Schist. Very Weak.	16	669		Fault, clay/gouge.		W				0.60	0		Groundwater Not Encountered		
	Sandy CLAY some gravel. Sand, fine. Gravel, fine angular quartz and tabular schist; Grey. Hard, Moist, Moderate Plasticity.										0.15	0				
											0.20	0				
											0.20	0				
		17	668		Shear Zone, clay/gouge.						0.30	0				
											0.25	0				
											0.35	0				
	Completely weathered brownish grey Pelitic Schist. Very Weak.										0.25	0				
											0.45	0				
	Highly weathered Grey Pelitic Schist. Very Weak.	18	667					MS			0.50	46				
											0.50	32				
	Completely weathered Grey Pelitic Schist. Extremely Weak.				Shear Zone, clay/gouge.						0.40	0				
		19	666		Shear Zone, clay/gouge.						0.20	0				
											0.30	0				
	Highly weathered Grey Pelitic Schist. Very Weak. Very closely spaced Fractures						W				0.50	0				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD399

SHEET 5 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Highly weathered Grey Pelitic Schist. Extremely Weak.	21	665		Shear Zone, clay/gouge.		W				0.30	0		Groundwater Not Encountered		
			664								0.50	0				
	Extremely closely spaced Fractures										0.30	0				
	Moderately weathered Grey Pelitic Schist. Very Weak. Very closely spaced Fractures	22									0.40	0				
					Shear Zone, clay/gouge.						0.20	0				
			663								0.30	0				
					Joint; 70°, rough, planar, rock fragments.			MS			0.60	18				
		23						W			0.25	0				
	Slightly weathered Grey Pelitic Schist. Very Weak. Moderately widely spaced Fractures		662		Fault, clay/gouge.			MS			0.35	0				
								W			0.60	0				
	Unweathered Grey Pelitic Schist. Weak. Extremely closely spaced Fractures	24			Shear Zone; 80°, rock fragments.			MS			0.80	29				
			661													
	Very closely spaced Fractures															
	Unweathered Grey Pelitic Schist. Weak. Potential fault, veins of quartz gravels with crushed schist surrounding. Clasts with preserved schist fabric up to 100mm. Extremely closely spaced Fractures				Shear Zone, rock fragments.			W			0.50	0				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD399

SHEET 6 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Unweathered Grey Pelitic Schist. Weak. Extremely closely spaced Fractures							W			0.50	0				
	Very closely spaced Fractures		660		Shear Zone, clay/gouge.			MS			0.80	0				
		26			Crush Zone, rock fragments.						0.50	0				
	Extremely closely spaced Fractures															
	Very closely spaced Fractures		659					S			0.60	52				
					Joint; 70°, rough, planar, rock fragments.											
	Unweathered Grey Pelitic Schist. Very Weak. Extremely closely spaced Fractures	27			Shear Zone, rock fragments.						0.35	0				
			658								0.45	0				
		28									0.40	0				
	Closely spaced Fractures				Shear Zone, clay/gouge.			W			0.55	0				
			657													
	Extremely closely spaced Fractures				Crush Zone, rock fragments.						0.40	0				
		29														
	Core loss			C/L							0.35	0				
				C							0.10	0				
				C/L							0.20	0				
			656	C												
				C/L				W			0.20	0				
				C												

Groundwater Not Encountered

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD399

SHEET 7 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Unweathered Grey Pelitic Schist. Weak. Potential fault, veins of quartz gravels with crushed schist surrounding. Clasts with preserved schist fabric up to 60mm. Extremely closely spaced Fractures	31	655		Shear Zone, clay/gouge. Fault, clay/gouge.		W	W			0.10, 0.15, 0.10, 0.15, 0.10, 0.20, 0.10, 0.10, 0.20, 0.15, 0.20, 0.15, 0.20, 0.25, 0.10, 0.15, 0.20, 0.25, 0.10, 0.15, 0.10, 0.50	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 100, 0, 0, 24		Groundwater Not Encountered			
	Closely spaced Fractures	32 33 34	654 653 652		Shear Zone, clay/gouge. Shear Zone, rock fragments.		W	MS			0.40	0				
	Unweathered Grey Pelitic Schist. Weak. Closely spaced Fractures				Foliation Parting; 70°, smooth, planar, clean. Joint, Undulating, Clay minor fine sand. Shear Zone, rock fragments.						0.50	26				
	Unweathered Grey Pelitic Schist. Weak. Potential fault, veins of quartz gravels with crushed schist surrounding. Clasts with preserved schist fabric up to 40mm. Extremely closely spaced Fractures		651		Shear Zone, clay/gouge.			W			0.60	0				

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LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD399

SHEET 8 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered Grey Pelitic Schist. Weak. Potential fault, veins of quartz gravels with crushed schist surrounding. Clasts with preserved schist fabric up to 40mm. Extremely closely spaced Fractures							W			0.60	0		Groundwater Not Encountered		
	Core loss			C/L C C/L							0.60	0				
	Unweathered Grey Pelitic Schist. Weak. Potential fault, veins of quartz gravels with crushed schist surrounding. Clasts with preserved schist fabric up to 50mm. Closely spaced Fractures	36	650								0.30	0				
	Unweathered Grey Pelitic Schist. Very Weak. Closely spaced Fractures				Joint; 50°, stepped, planar, clean.			MS			1.00	60				
					Shear Zone, clay/gouge.											
		37	649					W			0.40	0				
	Unweathered Grey Pelitic Schist. Weak. Closely spaced Fractures							MS			1.10	81				
		38	648		Joint; 60°, stepped, planar, rock fragments.											
					Shear Zone, clay/gouge.						0.40	0				
		39														
			647		Crush Zone, rock fragments.						0.40	0				
	Extremely closely spaced Fractures										0.10	0				
								W			0.50	46				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD399

Job No.: 9702

PROJECT: BOGP
BH LOCATION:
RELATIVE LOCATION:
COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9
DATUM: NZVD 2016
GRID: NZTM 2000

HOLE STARTED: 10/01/2025
HOLE FINISHED: 17/01/2025
HOLE DEPTH: 70.1m
INCLINATION: 70°
ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered Grey Pelitic Schist. Weak. Potential fault, veins of quartz gravels with crushed schist surrounding. Clasts with preserved schist fabric up to 150mm. Extremely closely spaced Fractures Closely spaced Fractures	41 42 43 44	646 645 644 643 642		Joint, Planar. Crush Zone, rock fragments. Joint; 40°, stepped, stepped, rock fragments. Joint; 80°, smooth, stepped, clean. Shear Zone, rock fragments. Joint; 70°, rough, planar, rock fragments. Joint; 70°, rough, stepped, clay/gouge. Crush Zone, rock fragments. Crush Zone, rock fragments. Joint; 60°, stepped, planar, clean.			W MS			0.10 0.60 0.40 1.25 0.45 1.00 0.10 1.40	0 25 0 36 0 33 0 46		Groundwater Not Encountered		
	Unweathered Grey Pelitic Schist. Weak. Closely spaced Fractures. Very closely spaced Fractures Closely spaced Fractures Very closely spaced Fractures Closely spaced Fractures															

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD399

SHEET 10 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered Grey Pelitic Schist. Weak. Very closely spaced Fractures.							MS			1.40	46				
	45.3m - 45.7m: Very weak.				Crush Zone, rock fragments.											
			641					W			0.80	0				
					Joint; 70°, smooth, planar, clean.											
					Crush Zone, rock fragments.											
		46														
					Crush Zone, rock fragments.			MS								
					Crush Zone; 65°, smooth, planar, rock fragments.											
			640													
	Unweathered Grey Pelitic Schist. Weak. Very closely spaced Fractures.							MS			1.30	35				
		47														
	47.2m - 47.6m: Extremely weak. Breaks by hand to fine tabular Gravel with minor clay				Crush Zone, planar, rock fragments.											
								W								
			639													
	Closely spaced Fractures							MS			1.40	60				
		48														
					Fault, clay/gouge.											
			638		Clay Seam, Stepped, Clay minor fine sand.			W								
					Crush Zone, planar, clay/gouge.											
		49														
								MS			0.85	85				
	Very closely spaced Fractures				Fractured Zone, rock fragments.											
								W								
	Extremely closely spaced Fractures										0.55	0				
	49.8m - 50.9m: Extremely weak. Breaks by hand to fine tabular Gravel with minor clay		637		Fault, clay/gouge.			VW								

Groundwater Not Encountered

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD399

SHEET 11 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered Grey Pelitic Schist. Weak. Extremely closely spaced Fractures.	51	636		Crush Zone, clay/gouge.			VW			0.55	0		Groundwater Not Encountered		
								W			0.50	0				
	Very closely spaced Fractures							MS			0.60	42				
								VW								
		52	635		Crush Zone, clay/gouge.			EW			0.80	81				
	Unweathered Grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures															
		53	634		Joint; 35°, rough, planar, rock fragments. Crush Zone; 65°, planar, moderately wide: 60-200mm, rock fragments.			W			1.50	63				
								MS								
		54	633					W			1.50	45				
								MS								

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD399

Job No.: 9702

PROJECT: BOGP
BH LOCATION:
RELATIVE LOCATION:
COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9
DATUM: NZVD 2016
GRID: NZTM 2000

HOLE STARTED: 10/01/2025
HOLE FINISHED: 17/01/2025
HOLE DEPTH: 70.1m
INCLINATION: 70°
ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered Grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures.	56	632					MS			1.50	45				
		57	631								1.50	48				
			630		Joint; 30°, rough, planar, moderately wide: 60-200mm, rock fragments.						1.00	40				
		58			Crush Zone, rough, stepped, rock fragments.			W								
					Joint; 45°, rough, planar, moderately narrow: 20-60mm, rock fragments.											
			629								1.50	33				
					Shear Zone, planar, clay/gouge.											
		59						S								
	Closely spaced Fractures		628								1.50	53				

Groundwater Not Encountered

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

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ROCK LOG

DRILLHOLE No.: MDD399

SHEET 13 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3	Unweathered Grey Pelitic Schist. Moderately Strong. Closely spaced Fractures.	61	627		Crush Zone, rock fragments.			S			1.50	53		Groundwater Not Encountered		
		62	626		Joint; 40°, smooth, planar, clay/gouge.						1.50	80				
	Very closely spaced Fractures	63	625					MS			1.50	20				
	Unweathered Grey Pelitic Schist. Moderately Strong. Potential fault, veins of quartz gravels with crushed schist surrounding. Clasts with preserved schist fabric up to 100mm. Extremely closely spaced Fractures	64	624		Joint, Undulating.			W								
					Fault; 65°, smooth, planar, clay/gouge.			VW			1.20	0				
			623		Crush Zone, clay/gouge.			W								
								VW			0.50	0				

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:28:00 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers
Engineering Geology Ltd
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info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 14 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3	Unweathered Grey Pelitic Schist. Moderately Strong. Potential fault, veins of quartz gravels with crushed schist surrounding. Clasts with preserved schist fabric up to 100mm. Extremely closely spaced Fractures	66	622		Crush Zone, rock fragments.			VW			0.50	0		Groundwater Not Encountered		
	Unweathered Grey Pelitic Schist. Moderately Strong. Very closely spaced Fractures.	67	621		Crush Zone, rock fragments.			MS			1.40	40				
		68	620		Crush Zone, rock fragments.						1.30	38				
		69	619		Shear Zone; 15°, undulating, clay/gouge.			MS			0.80	41				
	Closely spaced Fractures				Shear Zone; 10°, smooth, planar, clay/gouge.			W			1.30	0				
	Extremely closely spaced Fractures				Fractured Zone, narrow: 6-20mm, rock fragments.											
					Shear Zone, clay/gouge.											

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:28:00 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD399

SHEET 15 OF 15

Job No.: 9702

PROJECT: BOGP

BH LOCATION:

RELATIVE LOCATION:

COORDINATES: East 1319629.1 North 5017032.7

RL GROUND: 683.9

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

HOLE DEPTH: 70.1m

INCLINATION: 70°

ORIENTATION: 25°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ 3	Unweathered Grey Pelitic Schist. Moderately Strong. Extremely closely spaced fractures.							W			1.30	0		No		
	EOH: 70.10 m															

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template

LOGGED: Matakanui **DRILLER:** Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 7/05/2026 10:28:00 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



Depth: 0m to 1.8m



Depth: 1.8m to 3.6 m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



Depth: 3.6m to 5.6m



Depth: 5.6m to 7.4m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



Depth: 7.4m to 9.2m



Depth: 9.2m to 11.05m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



Depth: 11.05m to 12.6m



Depth: 12.6m to 14.35m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



Depth: 14.35m to 17.15m



Depth: 17.15m to 19.50m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



Depth: 19.5m to 22.2m



Depth: 22.2m to 24.6m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



Depth: 24.6m to 27.2m



Depth: 27.2m to 30.1m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



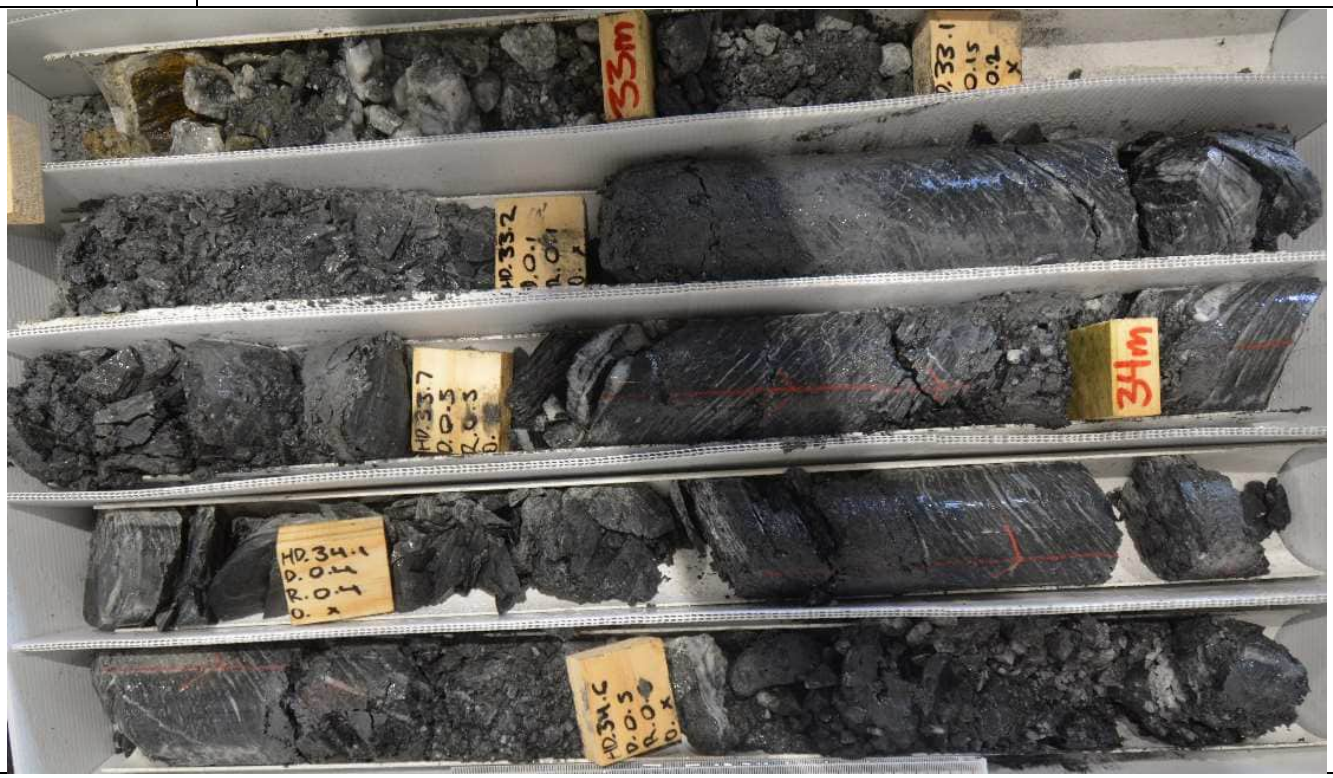
Depth: 30.1m to 31.9m



Depth: 31.9m to 32.95m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



Depth: 32.95m to 34.8m



Depth: 34.8m to 37.4m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



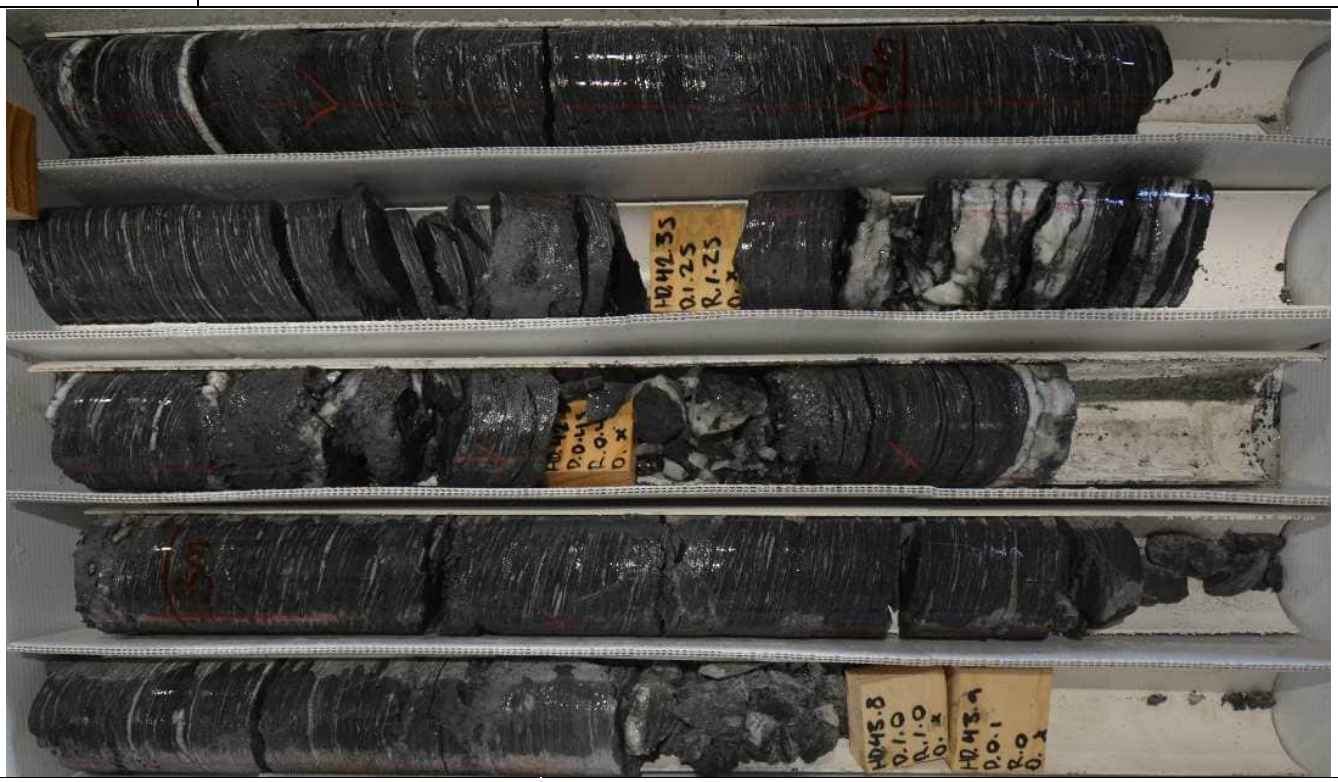
Depth: 37.4m to 39.4m



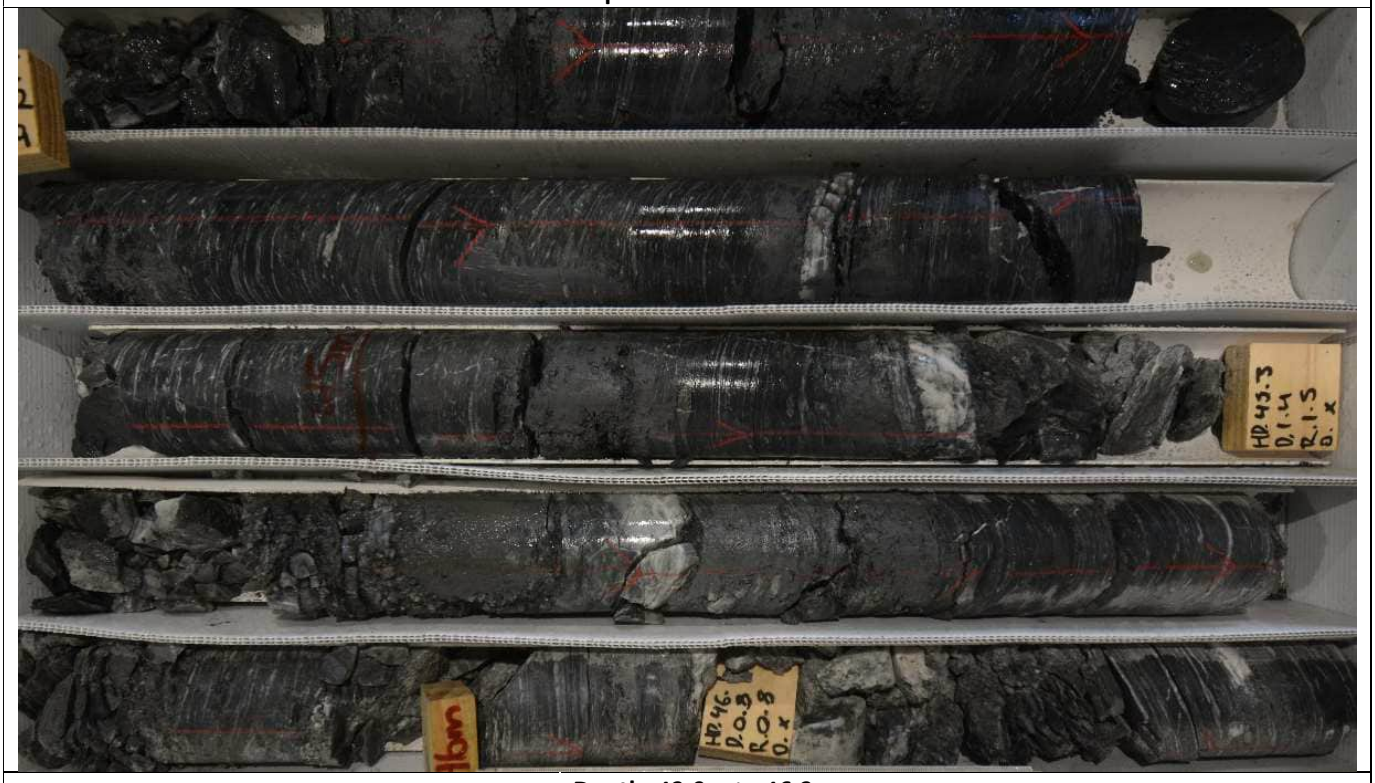
Depth: 39.4m to 41.6m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



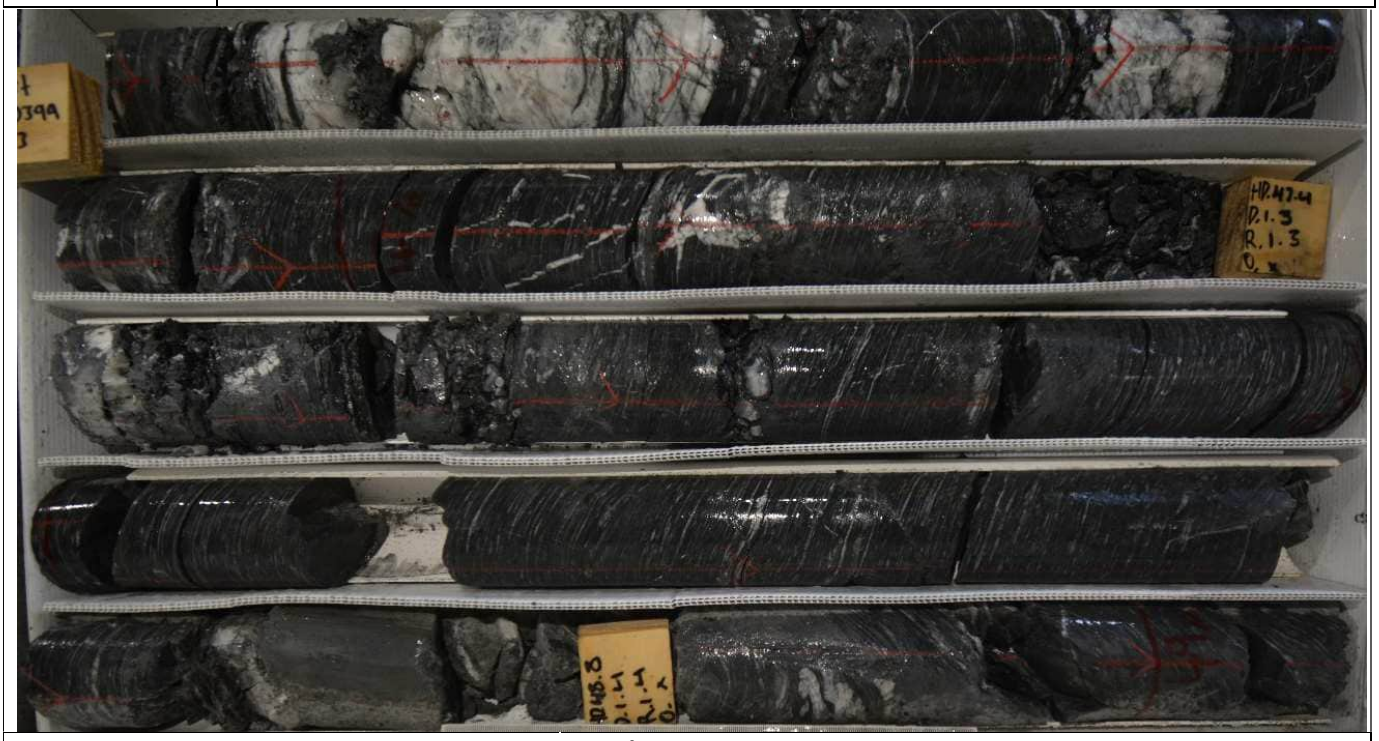
Depth: 41.6m to 43.9m



Depth: 43.9m to 46.3m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



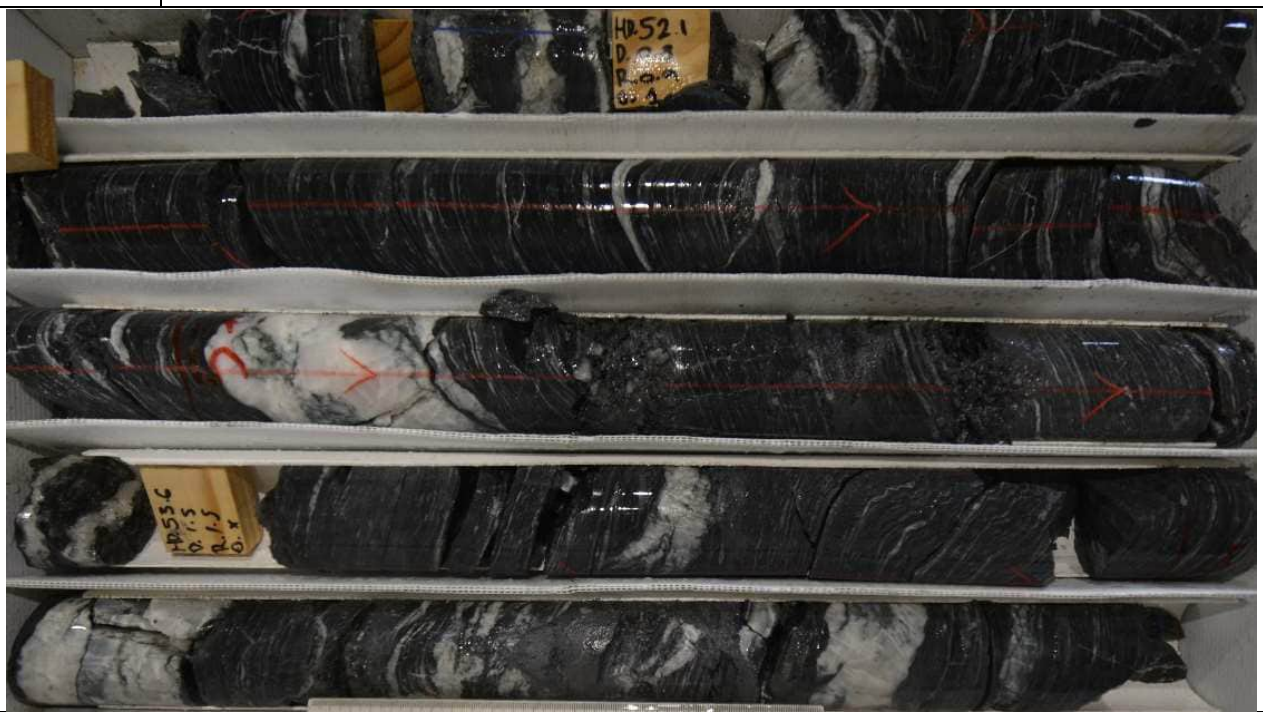
Depth: 46.3m to 49.1m



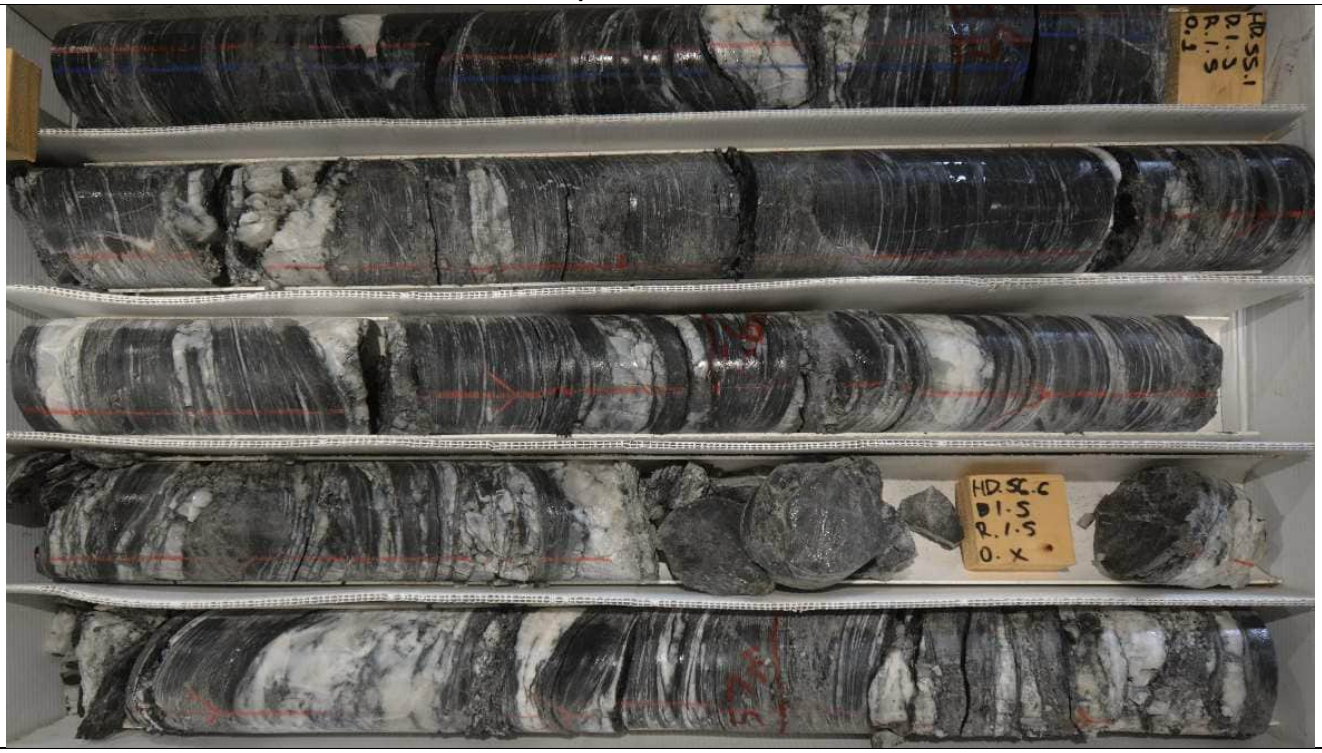
Depth: 49.1m to 51.9m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



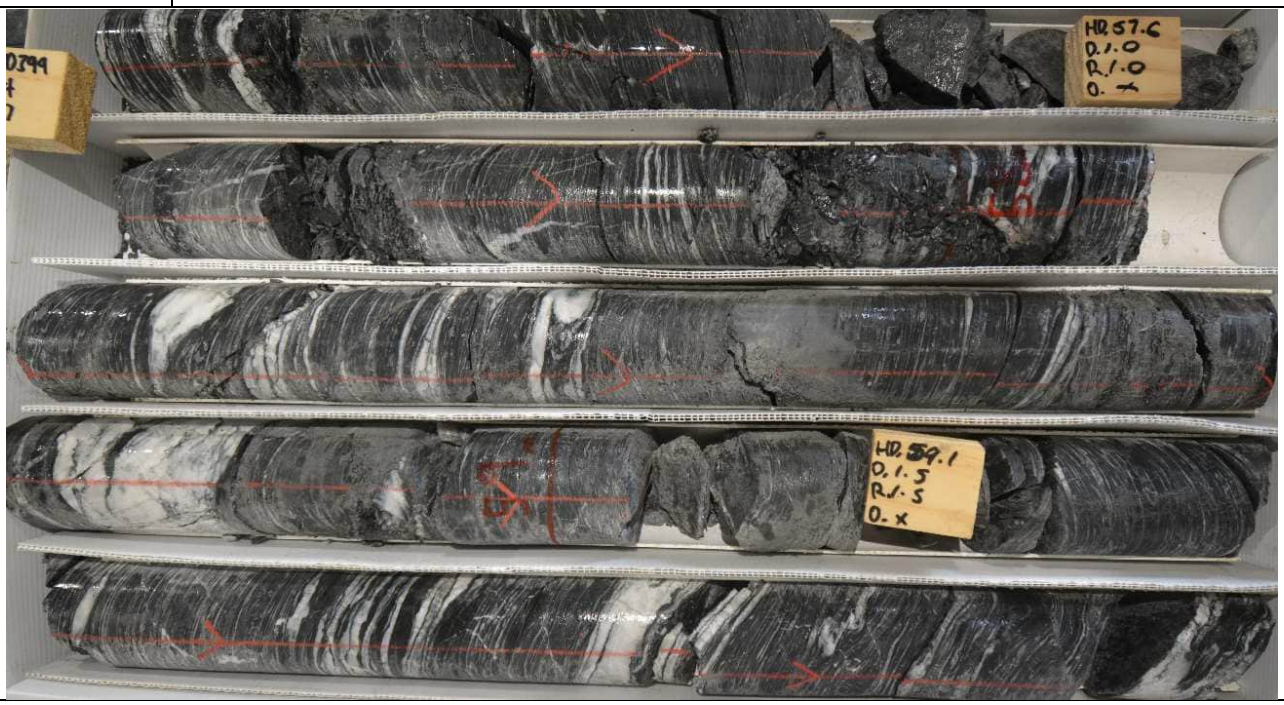
Depth: 51.9m to 54.6m



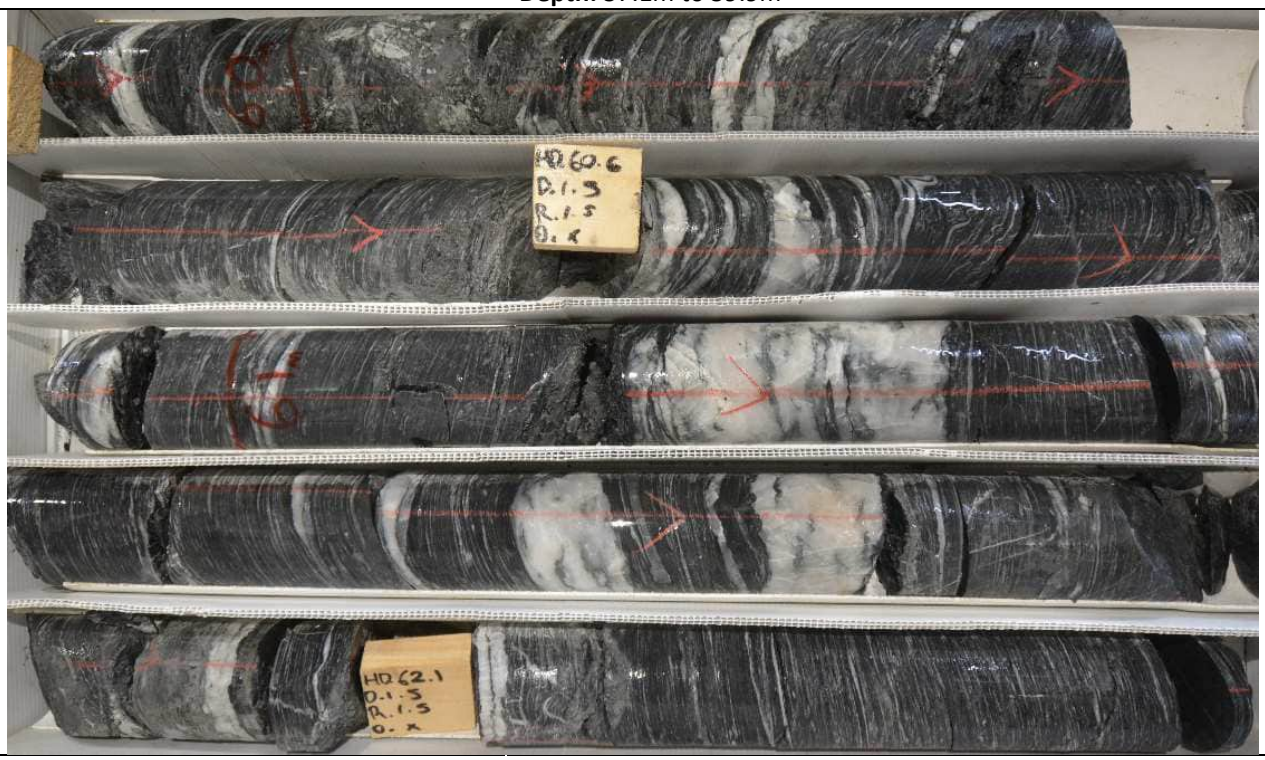
Depth: 54.6m to 57.1m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



Depth: 57.1m to 59.9m



Depth: 59.9m to 62.4m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



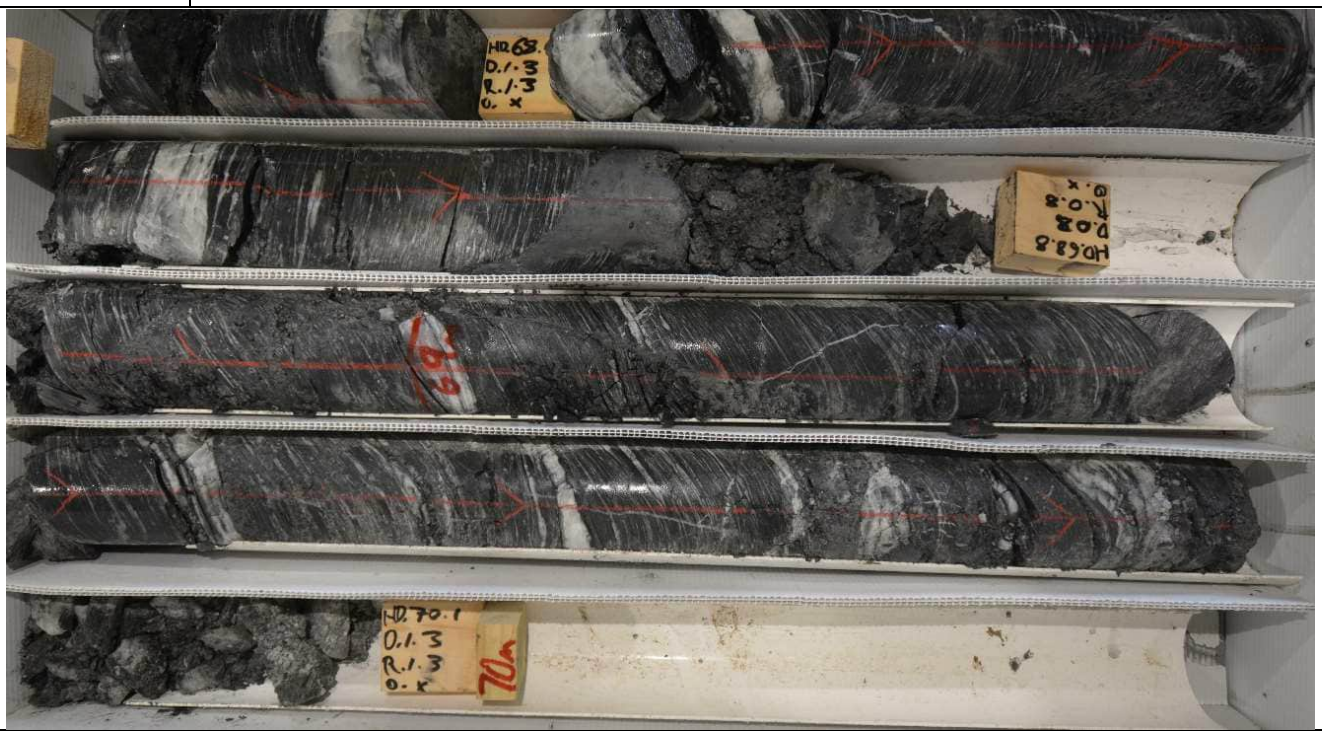
Depth: 62.4m to 65m



Depth: 65m to 67.9m

EGL Geotechnical, Earthquake and Dam Engineers	**EGL Job No.**	9702		
	Location:	**Bendigo-Ophir Gold Project**		
	Start Date	10/02/2025	**End Date**	17/01/2025

Title:	**MDD399 - CORE PHOTOGRAPHS**



Depth: 67.9m to 70m

TSF DEEP BOREHOLES

MDD502, MDD506, MDD507, MDD507R

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ROCK LOG

DRILLHOLE No.: MDD502

SHEET 1 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319676.8 North 5017261.5
GRID: NZTM 2000

RL GROUND: 588.7
DATUM: NZVD 2016

HOLE STARTED: 08/02/2026
HOLE FINISHED: 13/02/2026
HOLE DEPTH: 32.0m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
Topsoil	Topsoil. Dark brown. Moist.			TS												
Alluvium	Silty CLAY minor fine sand. Brown. Soft, Moist, High Plasticity.	1	588								0.80 DDPQ	0				
	Sandy SILT minor clay trace gravel. Dark Brown. Hard, Moist, Moderate Plasticity.	2	587								0.60 DDPQ	0				
	Silty CLAY minor fine quartz gravel. Grey and Brown. Hard, Moist, High Plasticity.	3	586								0.50 DDPQ	0				
											0.60 DDPQ	0				
											0.10 DDPQ	0				
											0.30 DDPQ	0				
TZ3 Schist	Highly weathered Grey Pelitic TZ3. Moderately Strong. Closely spaced Fractures						HW	MS			0.40 DDPQ	0				
	Recovered as rock fragments and gravel. Moderately weathered Grey Pelitic TZ3. Very Weak. Extremely closely spaced Fractures.	4	585				MW	VW			0.50 DDPQ	0				
											0.40 DDPQ	0				
											0.40 DDPQ	0				
											0.30 DDPQ	0				
	Recovered as rock fragments and gravel. Slightly weathered Grey Pelitic TZ3. Weak. TZ3 schist, Extremely closely spaced Fractures.		584				SW	W			0.50	30				

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (32 m bgl). VWPs installed and grouted, tips at 10.0, 15.0, and 30.0 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 14 February 2026 from 1.3 to 31.3 m bgl. Boxed core stored at MGL depot.

LOGGED:
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:17 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers
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ROCK LOG

DRILLHOLE No.: MDD502

SHEET 2 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319676.8 North 5017261.5
GRID: NZTM 2000

RL GROUND: 588.7
DATUM: NZVD 2016

HOLE STARTED: 08/02/2026
HOLE FINISHED: 13/02/2026
HOLE DEPTH: 32.0m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Recovered as rock fragments and gravel. Slightly weathered Grey Pelitic TZ3. Weak. TZ3 schist, Extremely closely spaced Fractures.	6	583				SW	W			0.50 DDPQ 0.50 DDPQ 0.50 DDPQ 0.10 DDPQ 0.30 DDPQ	30 0 0 0 0				
	Recovered as rock fragments and coarse gravel. Interpreted as Unweathered Grey Pelitic TZ3. Weak. Extremely closely spaced Fractures.															
	Unweathered Grey Pelitic TZ3. Moderately Strong. Extremely closely spaced Fractures	7	582		Shear Zone; α81°, Smooth, Planar, fine to medium tabular schist gravels.						0.40 DDPQ	0				
					Joint; α85°, Rough, Planar, fine tabular schist gravels.		UW				1.00 DDPQ	0				
		8	581		Joint; α37°, Rough, Planar, fine tabular schist gravels.											
	Very closely spaced Fractures				Joint; α86°, Smooth, Planar, fine to medium tabular schist gravels.			MS			0.80 DDPQ	29				
					Joint; α64°, Smooth, Planar, clean.											
					Joint; α38°, Smooth, Planar.											
	Core loss.	9		C/L							0.20 DDPQ 0.10 DDPQ	0 0				
			580	C												
	Unweathered Grey Pelitic TZ3. Moderately Strong. Very closely spaced Fractures				Joint; α53°, Rough, Planar, clean.						0.30 DDPQ 0.10 DDPQ 0.20 DDPQ 0.50	0 0 0 22		Groundwater Not Encountered		
	Extremely closely spaced Fractures															

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (32 m bgl). VWPs installed and grouted, tips at 10.0, 15.0, and 30.0 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 14 February 2026 from 1.3 to 31.3 m bgl. Boxed core stored at MGL depot.

LOGGED:
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL Geotechnical, Earthquake and Dam Engineers
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PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD502

SHEET 3 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319676.8 North 5017261.5
GRID: NZTM 2000

RL GROUND: 588.7
DATUM: NZVD 2016

HOLE STARTED: 08/02/2026
HOLE FINISHED: 13/02/2026
HOLE DEPTH: 32.0m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered Grey Pelitic TZ3. Moderately Strong. Very closely spaced Fractures				Crush Zone, Rough, fine to medium tabular schist gravels some silt.			MS			0.50 DDPQ	22		Groundwater Not Encountered		
			579		Joint; α84°, Smooth, Planar, clean.											
	Extremely closely spaced Fractures				Crush Zone; α85°, Rough, Planar, fine tabular schist gravels minor silt.						0.60 DDPQ	0				
					Shear Zone, clay and silt with fine to medium tabular schist gravels.											
	Core loss.	11		C/L							0.40 DDPQ	0				
			578	C/L												
	Unweathered Grey Pelitic TZ3. Moderately Strong. Extremely closely spaced Fractures				Joint; α77°, Smooth, Stepped, clean.						0.30 DDPQ	0				
					Shear Zone; α87°, Rough, Planar, medium tabular schist gravels.											
	Very closely spaced Fractures	12			Crush Zone; α80°, medium tabular schist gravels.						0.60 DDPQ	0				
					Joint; α27°, Rough, Stepped, clean.											
	Unweathered Grey Pelitic TZ3. Very Weak. TZ3 schist. Very closely spaced Fractures				Crush Zone; α86°, medium tabular schist gravels.						0.30 DDPQ	0				
			577		Joint; α57°, Rough, Stepped, medium angular quartz gravels.		UW									
					Joint; α87°, Rough, Planar, fine tabular schist gravels.			VW			0.30 DDPQ	0				
		13									0.60 DDPQ	0				
					Shear Zone; α87°, medium tabular schist gravels.											
			576								0.50 DDPQ	0				
	Unweathered Grey Pelitic TZ3. Weak. Breaks along foliation easily. Very closely spaced Fractures															
	Extremely closely spaced Fractures	14						W			0.20 DDPQ	0				
	14.0m - 14.2m: recovered as rock fragments				Fractured Zone; α84°, Smooth, Planar, medium tabular schist gravels.											
					Fractured Zone; α77°, Smooth, Planar, medium tabular schist gravels.						0.80 DDPQ	0				
			575		Joint; α68°, Smooth, Planar, medium tabular schist gravels.											

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (32 m bgl). VWPs installed and grouted, tips at 10.0, 15.0, and 30.0 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 14 February 2026 from 1.3 to 31.3 m bgl. Boxed core stored at MGL depot.

LOGGED:
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:18 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD502

SHEET 4 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319676.8 North 5017261.5
GRID: NZTM 2000
RL GROUND: 588.7
DATUM: NZVD 2016
HOLE STARTED: 08/02/2026
HOLE FINISHED: 13/02/2026
HOLE DEPTH: 32.0m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered Grey Pelitic TZ3. Weak. Breaks along foliation easily. Extremely closely spaced Fractures	16	574	C/L	Joint; α28°, Smooth, Stepped.		UW	W			0.20 DDPQ	0		Groundwater Not Encountered		
	Very closely spaced Fractures										0.70 DDPQ	40				
	15.0m - 15.2m: recovered as rock fragments															
	Extremely closely spaced Fractures										0.20 DDPQ	0				
	15.9m - 16.1m: competent material, smashed to get out of core catch		573		Shear Zone, Rough, Planar, Sand, minor gravel trace silt. Sand, fine to coarse, gravel, fine, subangular to angular.						1.00 DDPQ	0				
	Very closely spaced Fractures	17														
			572		Crush Zone; α88°, Smooth, Planar, fine quartz gravel.						0.20 DDPQ	0				
		18									1.50 DDPQ	50				
	Core loss.	19	571	C/L C C/L C C/L C							0.40 DDPQ	0				
											0.20 DDPQ	0				
											0.20 DDPQ	0				
	Recovered as rock fragments. Unweathered Grey Pelitic TZ3. Weak. Breaks along foliation easily. Extremely closely spaced Fractures.		570				UW	W			0.10 DDPQ	0				
											0.40	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (32 m bgl). VWPs installed and grouted, tips at 10.0, 15.0, and 30.0 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 14 February 2026 from 1.3 to 31.3 m bgl. Boxed core stored at MGL depot.

LOGGED:
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

Engineering Geology Ltd
+64 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD502

SHEET 5 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319676.8 North 5017261.5
GRID: NZTM 2000
RL GROUND: 588.7
DATUM: NZVD 2016
HOLE STARTED: 08/02/2026
HOLE FINISHED: 13/02/2026
HOLE DEPTH: 32.0m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered Grey Pelitic TZ3. Weak. Breaks along foliation easily. Extremely closely spaced Fractures 20.1m - 20.3m: recovered as rock fragments						UW	W			0.40 DDPQ	0				
	Core loss.	21	569	C/L							0.40 DDPQ	0				
				C/L							0.20 DDPQ	0				
				C/L							0.30 DDPQ	0				
				C/L							0.20 DDPQ	0				
				C/L							0.20 DDPQ	0				
				C/L							0.20 DDPQ	0				
				C/L							0.30 DDPQ	0				
		22	568	C/L							0.40 DDPQ	0				
	Unweathered Light grey Psammitic TZ3. Moderately Strong. quartz vein rich. Very closely spaced Fractures							MS								
	Unweathered Grey Pelitic TZ3. Weak. Very closely spaced Fractures 22.3m - 22.4m: recovered as rock fragments				Crush Zone, Rough, Stepped.			W			0.60 DDPQ	0				
	Recovered as a mixture of fine gravel and rock fragments up to 100mm wide.Unweathered Grey Pelitic TZ3. Very Weak. Irregular foliation. Very closely spaced Fractures.	23	567					VW			0.80 DDPQ	14				
	Unweathered Grey Pelitic TZ3. Weak. Very closely spaced Fractures				Vein; α83°, Smooth, Stepped, Quartz.		UW									
	23.7m - 24.0m: recovered as rock fragments	24						W			0.40 DDPQ	0				
	24.1m - 24.3m: recovered as rock fragments		566		Joint; α55°, Rough, Stepped. Joint; α58°, Rough, Stepped. Joint; α78°, Smooth, Planar.							0.80 DDPQ	0				
					Joint, Rough, Stepped.											
					Joint; α60°, Smooth, Undulating.						1.50	41				

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (32 m bgl). VWPs installed and grouted, tips at 10.0, 15.0, and 30.0 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 14 February 2026 from 1.3 to 31.3 m bgl. Boxed core stored at MGL depot.

LOGGED:
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:18 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers
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PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD502

SHEET 6 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319676.8 North 5017261.5
GRID: NZTM 2000

RL GROUND: 588.7
DATUM: NZVD 2016

HOLE STARTED: 08/02/2026
HOLE FINISHED: 13/02/2026
HOLE DEPTH: 32.0m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered Grey Pelitic TZ3. Weak. Closely spaced Fractures Very closely spaced Fractures		565		Joint; α37°, Rough, Planar. Joint; α38°, Rough, Stepped. Joint; α69°, Rough, Stepped.			W			1.50 DDPQ	41				
		26	564				UW									
	26.4m - 26.6m: recovered as rock fragments				Crush Zone; α58°, Rough, Stepped, fine to medium tabular schist gravels.						0.60 DDPQ	27				
		27									0.10 DDPQ	0				
	Unweathered Grey Pelitic TZ3. Very Weak. Highly fractured, irregular joints and crush zones present, fine tabular gravel infill present. Extremely closely spaced Fractures		563					VW			0.80 DDPQ	0				
	Unweathered Grey Pelitic TZ3. Weak. Extremely closely spaced Fractures	28						W								
	Recovered as SAND, fine to coarse, minor gravel, trace silt. Grey. Dense, Moist, Non-Plastic. Interpreted as schist crush zone.		562								1.10 DDPQ	0				
	Unweathered Grey Psammitic TZ3. Moderately Strong. Extremely closely spaced Fractures						UW	MS								
	Recovered as SAND, fine to coarse, minor gravel, trace silt. Grey. Dense, Moist, Non-Plastic. Interpreted as schist crush zone.															
	Unweathered Grey Pelitic TZ3. Weak. Extremely closely spaced Fractures	29			Joint; α42°, Rough, Stepped, fine to medium tabular schist gravels.						0.50 DDPQ	0				
	Unweathered Grey Pelitic TZ3. Very weak. Highly fractured along surface, irregular joints and crush zones present, fine tabular gravel infill present. Extremely closely spaced Fractures		561				UW	W			1.00	0				

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (32 m bgl). VWPs installed and grouted, tips at 10.0, 15.0, and 30.0 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 14 February 2026 from 1.3 to 31.3 m bgl. Boxed core stored at MGL depot.

LOGGED:
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:18 am - Produced with Core-GS by Geroc

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PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD502

SHEET 7 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319676.8 North 5017261.5
GRID: NZTM 2000

RL GROUND: 588.7
DATUM: NZVD 2016

HOLE STARTED: 08/02/2026
HOLE FINISHED: 13/02/2026
HOLE DEPTH: 32.0m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered Grey Pelitic TZ3. Very weak. Highly fractured along surface, irregular joints and crush zones present, fine tabular gravel infill present. Extremely closely spaced Fractures						UW	W			1.00 DDPQ	0		Groundwater Not Encountered		
	Unweathered Grey Pelitic TZ3. Weak. Extremely closely spaced Fractures		560													
	Recovered as SAND minor gravel tracel silt. Sand, fine to coarse. Gravel, fine to coarse, subangular to angular schist . Grey. Dense, Moist, Non-Plastic. Interpreted as schist crush zone.															
	Unweathered Grey Pelitic TZ3. Weak. Very closely spaced Fractures	31					UW	W			1.20 DDPQ	0				
			559													
	EOH: 32.00 m															

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (32 m bgl). VWPs installed and grouted, tips at 10.0, 15.0, and 30.0 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 14 February 2026 from 1.3 to 31.3 m bgl. Boxed core stored at MGL depot.

LOGGED:
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD502		
		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD502 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 4.6m – 4.9m



Depth: 4.9m – 5.4m



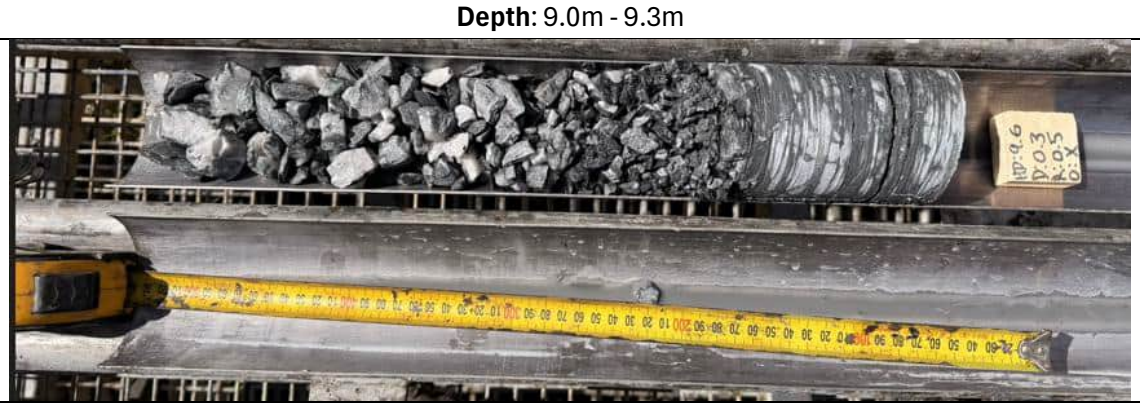
Depth: 5.4m - 5.9m



Depth: 7.2m - 9.0m

Core Loss

Depth: 9.0m - 9.3m



Depth: 9.3m - 9.6m

Core Loss

Depth: 9.6m - 9.7m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD502		
		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD502 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 9.7m - 9.9m



Depth: 9.9m - 10.4m



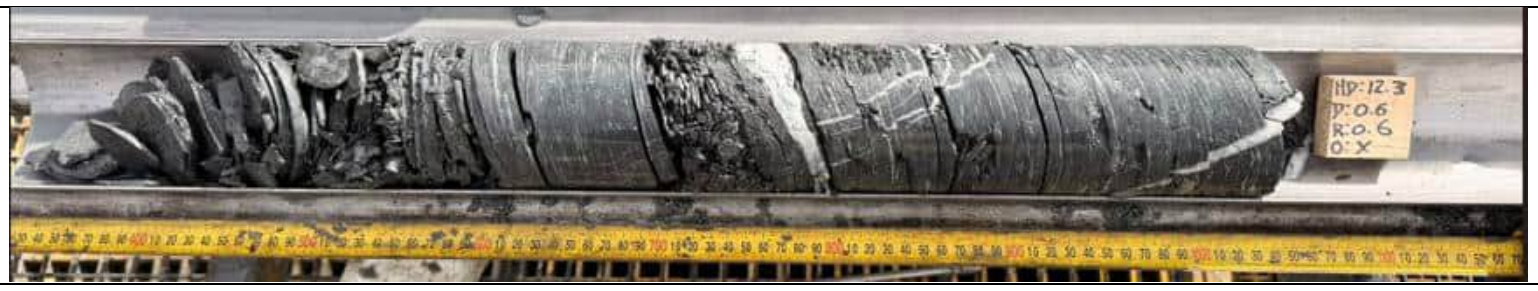
Depth: 10.4m - 11.0m

Core Loss

Depth: 11.0m - 11.4m



Depth: 11.4m - 11.7m



Depth: 11.7m – 12.3m



Depth: 12.3m – 12.9m

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		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD502 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 12.9m – 13.5m



Depth: 13.5m - 14.0m



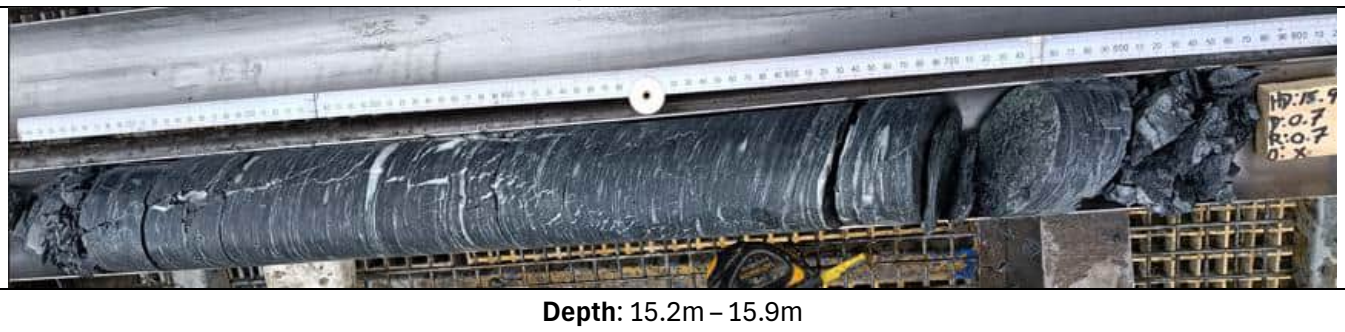
Depth: 14.0m – 14.2m



Depth: 14.2m - 15.0m



Depth: 15.0m – 15.2m



Depth: 15.2m – 15.9m

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		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD502 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 15.9m – 16.1m



Depth: 16.1m – 17.1m



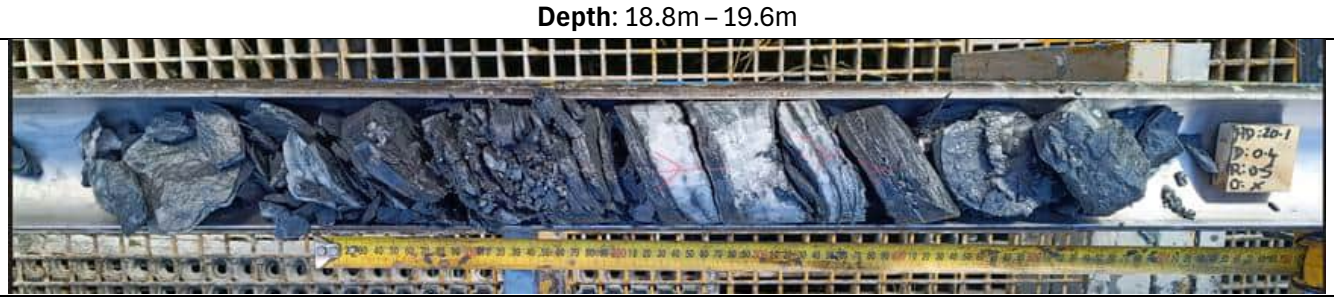
Depth: 17.1m – 17.3m



Depth: 17.3m – 18.8m

Core Loss

Depth: 18.8m – 19.6m



Depth: 19.7m – 20.1m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
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		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD502 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 20.1m - 20.5m

Core Loss

Depth: 20.5m – 21.0m



Depth: 21.0m – 21.2m

Core Loss

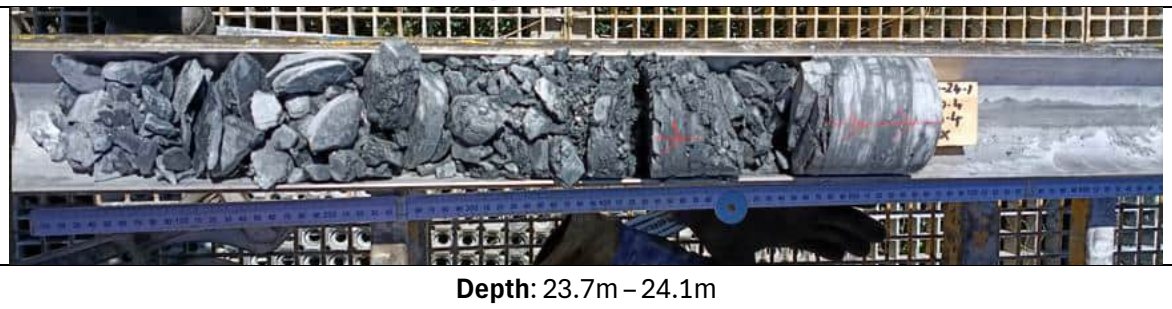
Depth: 21.2m – 21.9m



Depth: 21.9m – 22.3m



Depth: 22.3m – 22.4m



Depth: 23.7m – 24.1m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
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		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD502 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 24.1m – 24.9m



Depth: 24.9m – 26.4m



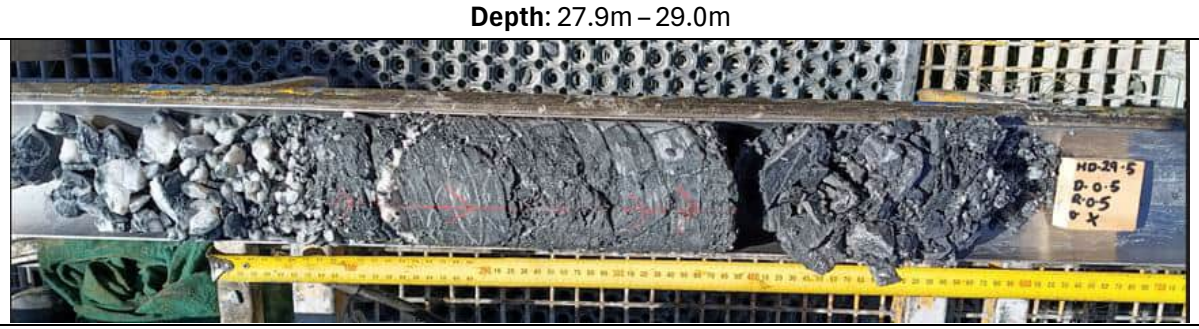
Depth: 26.4m – 27.1m



Depth: 27.1m – 27.9m



Depth: 27.9m – 29.0m



Depth: 29.0m – 29.5m



Depth: 29.5m - 30.5m



Depth: 30.5m - 31.7m



Depth: 31.7m - 32.0m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD502
		Photograph By:	MGL Date: Apr 2026
Title:	MDD502 A4– CORE BOX PHOTOGRAPHS		



Depth: 1.0m -2.0m



Depth: 2.0m -3.2m

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		Photograph By:	MGL Date: Apr 2026
Title:	MDD502 A4– CORE BOX PHOTOGRAPHS		



Depth: 3.2m - 4.9m



Depth: 4.9m - 6.8m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL Date: Apr 2026
Title:	MDD502 A4– CORE BOX PHOTOGRAPHS		



Depth: 6.8m - 8.6m



Depth: 8.6m - 10.5m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD502 A4– CORE BOX PHOTOGRAPHS		



Depth: 10.5m - 12.6m



Depth: 12.6m - 14.3m

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		Photograph By:	MGL Date: Apr 2026
Title:	MDD502 A4– CORE BOX PHOTOGRAPHS		



Depth: 14.3m - 15.9m



Depth: 15.9m - 17.5m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL Date: Apr 2026
Title:	MDD502 A4– CORE BOX PHOTOGRAPHS		



Depth: 17.5m - 19.8m



Depth: 19.8m - 22.6m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD502 A4– CORE BOX PHOTOGRAPHS		



Depth: 22.6m - 24.7m



Depth: 24.7m - 26.7m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD502 A4– CORE BOX PHOTOGRAPHS		



Depth: 26.7m - 28.7m



Depth: 28.7m - 30.5m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD502
		Photograph By:	MGL | Date: Apr 2026
Title:	MDD502 A4– CORE BOX PHOTOGRAPHS		



Depth: 30.5m - 32m

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ROCK LOG

DRILLHOLE No.: MDD506

SHEET 1 OF 11

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319739.1 North 5017165.4
GRID: NZTM 2000

RL GROUND: 594.0
DATUM: NZVD 2016

HOLE STARTED: 15/02/2026
HOLE FINISHED: 21/02/2026
HOLE DEPTH: 51.8m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
Alluvium	GRAVEL minor silt and sand. Gravel, fine, angular to rounded. Sand, fine. Brown. Loose, Saturated, Non-Plastic. Core loss.	1	593	C/L C/L							0.40 DDPQ 0.30 DDPQ	0 0		Groundwater Not Encountered		
	Coarse GRAVEL, subrounded, highly weathered schist. Grey. Loose, non-plastic. CLAY minor sand and gravel. Sand, coarse. Gravel, fine subrounded. Brownish grey. Hard, Moist, High Plasticity.										0.50 DDPQ	0				
	1.2m - 1.7m: Saturated.										0.50 DDPQ	0				
	1.9m - 2.1m: Some sand. 2.1m - 2.2m: Clay lense. Sandy CLAY some gravel. Sand, fine to coarse. Gravel, fine, sunangular to angular. Orange brown. Hard, Moist, High Plasticity.	2	592								0.60 DDPQ 0.50 DDPQ	0 0				
TZ3 Schist	Recovered as washed Gravels, fine to coarse, angular to subangular Schist. Grey. Loose, non-plastic. Interpreted as slightly weathered schist.	3	591				SW				0.30 DDPQ 0.40 DDPQ 0.30 DDPQ 0.10 DDPQ	0 0 33 0				
	Unweathered grey Pelitic TZ3 schist. Very weak along foliation. Closely spaced Fractures.	4	590				UW	VW			0.60 DDPQ 0.50 DDPQ	28 62				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (52 m bgl). VWPs installed and grouted, tips at 3.6, 25.3, and 50.8 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 24 February 2026 from 1.8m bgl to 44.1 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE: PQ Rotary Drilled

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ROCK LOG

DRILLHOLE No.: MDD506

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319739.1 North 5017165.4
GRID: NZTM 2000

RL GROUND: 594.0
DATUM: NZVD 2016

HOLE STARTED: 15/02/2026
HOLE FINISHED: 21/02/2026
HOLE DEPTH: 51.8m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered grey Pelitic TZ3 schist. Very Weak. Extremely closely spaced Fractures.	6	589	C/L	Vein; α65°, Smooth, Stepped, 100, Quartz.		UW	VW			0.60 DDPQ	0		Groundwater Not Encountered		
											0.50 DDPQ	88				
	Extremely Weak. Breaks down with a scraper to clay and fine tabular gravel. Very closely spaced Fractures.	7	588								0.70 DDPQ	0				
	7.5m - 7.7m: Recovered as rock fragments.		587					EW			0.70 DDPQ	93				
	Recovered as Clayey GRAVEL. Gravel, fine to coarse, angular to subangular. Grey. Dense, Moist, Moderate Plasticity. Extremely closely spaced Fractures. Interpreted as schist crush zone.															
	Unweathered grey Pelitic TZ3 schist. Very Weak. Extremely closely spaced Fractures.	8						VW			0.80 DDPQ	0				
	8.3m - 8.5m: Recovered as rock fragments		586								0.20 DDPQ	0				
	Extremely Weak. Minor moderately strong quartz veins present.							EW			0.50 DDPQ	0				
	Core loss.	9		C/L C C/L							0.70 DDPQ	0				
	9.4m - 9.7m: Recovered as rock fragments															
	Unweathered grey Pelitic TZ3 schist. Extremely Weak. Moderately strong quartz veins present. Extremely closely spaced Fractures.		585				UW	EW								
	Recovered as SAND trace cobble. Sand, fine to coarse. Singular cobble of angular quartz, 80mm across. Grey. Medium Dense, Non-Plastic. Interpreted as schist crush zone.										0.50	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (52 m bgl). VWPs installed and grouted, tips at 3.6, 25.3, and 50.8 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 24 February 2026 from 1.8m bgl to 44.1 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE: PQ Rotary Drilled

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ROCK LOG

DRILLHOLE No.: MDD506

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319739.1 North 5017165.4
GRID: NZTM 2000

RL GROUND: 594.0
DATUM: NZVD 2016

HOLE STARTED: 15/02/2026
HOLE FINISHED: 21/02/2026
HOLE DEPTH: 51.8m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Recovered as SAND trace cobble. Sand, fine to coarse. Singular cobble of angular quartz, 80mm across. Grey. Medium Dense, Non-Plastic. Interpreted as schist crush zone.							EW			0.50 DDPQ	0		Groundwater Not Encountered		
	Unweathered grey Pelitic TZ3 schist. Weak. Moderately widely spaced Fractures															
	10.2m - 10.3m: Very weak				Joint; α66°, Smooth, Planar, 1, clean.											
			584					W			0.80 DDPQ	55				
	Extremely closely spaced Fractures	11														
	Extremely Weak. Break down in hand to fine gravel with minor clay and trace angular quartz cobbles up to 75mm.															
			583					EW			0.90 DDPQ	0				
	Weak.	12														
					Crush Zone; α63°, Smooth, Planar, 30, Fine tabular gravel.											
					Vein; α58°, Rough, Stepped, 60, Quartz.											
	Closely spaced Fractures				Crush Zone; α62°, Rough, Stepped, 60, Fine tabular gravel.											
			582				UW				0.90 DDPQ	30				
	Extremely closely spaced Fractures	13						W								
											0.70 DDPQ	0				
	Recovered as Sandy CLAY some gravel. Sand, fine to coarse. Gravel, fine, subangular to angular. Grey. Hard, Moist, High Plasticity. Interpreted as schist crush zone.		581								0.60 DDPQ	0				
		14														
	Unweathered grey Pelitic TZ3 schist. Weak. Very closely spaced Fractures.															
					Joint; α60°, Smooth, Undulating, 0.			W			0.90 DDPQ	0				
			580													

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (52 m bgl). VWPs installed and grouted, tips at 3.6, 25.3, and 50.8 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 24 February 2026 from 1.8m bgl to 44.1 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE: PQ Rotary Drilled

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:29 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD506

SHEET 4 OF 11

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319739.1 North 5017165.4
GRID: NZTM 2000

RL GROUND: 594.0
DATUM: NZVD 2016

HOLE STARTED: 15/02/2026
HOLE FINISHED: 21/02/2026
HOLE DEPTH: 51.8m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered grey Pelitic TZ3 schist. Weak. Very closely spaced Fractures.				Joint; α56°, Rough, Stepped, 1, clean. Joint; α79°, Rough, Stepped, 1, clean. Joint; α60°, Rough, Stepped, 2, clean.		UW	W			0.80 DDPQ	32		Groundwater Not Encountered		
	Recovered as Clayey GRAVEL. Gravel, fine to coarse, angular to subangular. Grey. Dense, Moist, Low Plasticity. Interpreted as schist crush zone.			C/L												
	Core loss.		579													
	Recovered as GRAVEL minor clay. Gravel, fine, angular to rounded. Grey. Dense, Moist, Low Plasticity. Interpreted as schist crush zone.	16														
	Unweathered grey Pelitic TZ3 schist. Weak. Closely spaced Fractures.				Joint; α45°, Rough, Stepped, Fine tabular sand.		UW	W			1.50 DDPQ	43				
	Extremely closely spaced Fractures	17	578													
	Core loss.			C/L C C/L C												
	Unweathered grey Pelitic TZ3 schist. Weak. Very closely spaced Fractures.	18	577					W			1.40 DDPQ	8				
	Extremely closely spaced Fractures Very Weak. Closely spaced Fractures.	19	576				UW	VW			0.50 DDPQ	60				
	Recovered as GRAVEL minor clay. Gravel, fine, angular to rounded, coarse quartz gravels. Grey. Very Dense, Moist, Low Plasticity. Interpreted as schist crush zone.										0.90	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (52 m bgl). VWPs installed and grouted, tips at 3.6, 25.3, and 50.8 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 24 February 2026 from 1.8m bgl to 44.1 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE: PQ Rotary Drilled

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:29 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD506

SHEET 5 OF 11

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319739.1 North 5017165.4
GRID: NZTM 2000

RL GROUND: 594.0
DATUM: NZVD 2016

HOLE STARTED: 15/02/2026
HOLE FINISHED: 21/02/2026
HOLE DEPTH: 51.8m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Recovered as GRAVEL minor clay. Gravel, fine, angular to rounded, coarse quartz gravels. Grey. Very Dense, Moist, Low Plasticity. Interpreted as schist crush zone.		575				UW	VW			0.90 DDPQ	0		Groundwater Not Encountered		
	20.2m - 20.3m: Angular, strong Quartz cobble 80mm across.															
	Unweathered grey Pelitic TZ3 schist. Very Weak. Closely spaced Fractures.															
	Recovered as SAND minor gravel. Sand, fine to medium. Gravel, coarse, angular to subangular quartz. Grey. Very Dense, Moist, Low Plasticity. Interpreted as schist crush zone.							MS			0.90 DDPQ	0				
	Unweathered white PsammiticTZ3 schist. Moderately Strong. Quartz rich. Closely spaced Fractures.							VW								
	Unweathered grey Pelitic TZ3 schist. Very Weak. Closely spaced Fractures.															
	Recovered as Sandy CLAY. Sand, fine. Grey. Hard, Moist, Moderate Plasticity. Interpreted as schist crush zone.	21	574								0.80 DDPQ	0				
	Unweathered grey Pelitic TZ3 schist. Very Weak. Break down with hammer blows to fine to medium gravel. Extremely closely spaced Fractures.							VW								
	Very closely spaced Fractures	22	573								0.90 DDPQ	0				
	Recovered as CLAY some gravel. Gravel, fine to coarse, angular, schist no regular orientation. Grey. Hard, Moist, High Plasticity. Interpreted as schist crush zone.															
	Unweathered grey Pelitic TZ3 schist. Very Weak. Recovered broken along foliation. Very closely spaced Fractures.	23	572					VW			0.80 DDPQ	0				
	23.5m - 23.6m: Quartz rich zone recovered as competent core.										0.70 DDPQ	0				
		24														
	Recovered as GRAVEL minor sand. Sand, coarse. Gravel, fine to coarse, tabular, schist. Grey. Loose, Non-Plastic. Interpreted as schist crush zone.		571								0.60 DDPQ	17				
	Unweathered grey Pelitic TZ3 schist. Weak. Very closely spaced Fractures.							W								
	Closely spaced Fractures										0.80	22				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (52 m bgl). VWPs installed and grouted, tips at 3.6, 25.3, and 50.8 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 24 February 2026 from 1.8m bgl to 44.1 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE: PQ Rotary Drilled

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:29 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD506

SHEET 6 OF 11

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319739.1 North 5017165.4
GRID: NZTM 2000

RL GROUND: 594.0
DATUM: NZVD 2016

HOLE STARTED: 15/02/2026
HOLE FINISHED: 21/02/2026
HOLE DEPTH: 51.8m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered grey Pelitic TZ3 schist. Weak. Closely spaced Fractures.				Joint; α40°, Smooth, Stepped, 1, Clay. Joint; α52°, Smooth, Stepped, 1, Clay.			W			0.80 DDPQ	22		Groundwater Not Encountered		
	25.6m - 25.8m: Recovered as rock fragments		570								0.20 DDPQ	0				
	Extremely closely spaced Fractures															
	Very Weak. Breaks along foliation with scraper to a sandy tabular gravel. Closely spaced Fractures.	26						VW			0.50 DDPQ	50				
			569								0.70 DDPQ	0				
	Weak. Very closely spaced Fractures.															
	27.0m - 27.1m: Recovered as rock fragments	27									0.80 DDPQ	19				
	Closely spaced Fractures		568				UW									
	Extremely closely spaced Fractures															
	27.8m - 27.8m: Recovered as rock fragments	28									0.40 DDPQ	0				
								W			0.50 DDPQ	0				
			567													
	Very closely spaced Fractures										1.10 DDPQ	18				
		29			Joint; α48°, Rough, Undulating, 0.											
			566								0.90	11				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (52 m bgl). VWPs installed and grouted, tips at 3.6, 25.3, and 50.8 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 24 February 2026 from 1.8m bgl to 44.1 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE: PQ Rotary Drilled

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:29 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD506

SHEET 7 OF 11

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319739.1 North 5017165.4
GRID: NZTM 2000

RL GROUND: 594.0
DATUM: NZVD 2016

HOLE STARTED: 15/02/2026
HOLE FINISHED: 21/02/2026
HOLE DEPTH: 51.8m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered grey Pelitic TZ3 schist. Weak. Very closely spaced Fractures				Fractured Zone.		UW	W			0.90 DDPQ	11		Groundwater Not Encountered		
	Very Weak. Minor quartz veins up to 60mm wide present.	31	565					VW			0.80 DDPQ	0				
	Weak. Extremely closely spaced Fractures							W			0.80 DDPQ	0				
	31.5m - 31.9m: Recovered as rock fragments	32	564													
	Unweathered white Psammitic TZ3 schist. Moderately Strong. Quartz rich. Extremely closely spaced Fractures.							MS			0.70 DDPQ	0				
	Core loss.		563	C/L												
	Unweathered grey Pelitic TZ3 schist. Extremely Weak. Breaks down in hand to fine tabular gravel. Extremely closely spaced Fractures	33					UW	EW			0.40 DDPQ	0				
	Core loss.			C/L							0.40 DDPQ	0				
				C/L												
				C/L												
	Unweathered grey Pelitic TZ3 schist. Extremely Weak. Breaks down in hand to fine tabular gravel. Extremely closely spaced Fractures	34	562								0.80 DDPQ	0				
							UW	EW			0.50 DDPQ	0				
											0.60	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (52 m bgl). VWPs installed and grouted, tips at 3.6, 25.3, and 50.8 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 24 February 2026 from 1.8m bgl to 44.1 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE: PQ Rotary Drilled

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:29 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD506

SHEET 8 OF 11

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319739.1 North 5017165.4
GRID: NZTM 2000

RL GROUND: 594.0
DATUM: NZVD 2016

HOLE STARTED: 15/02/2026
HOLE FINISHED: 21/02/2026
HOLE DEPTH: 51.8m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered grey Pelitic TZ3 schist. Extremely Weak. Breaks down in hand to fine tabular gravel. Extremely closely spaced Fractures 35.1m - 35.2m: Quartz rich zone recovered as competent core.		561				UW	EW			0.60 DDPQ	0				
	Core loss.			C/L C C/L												
	Unweathered grey Pelitic TZ3 schist. Extremely Weak. Breaks down in hand to fine tabular gravel. Very closely spaced Fractures	36	560					EW			1.20 DDPQ	11				
	Very Weak.				Crush Zone; α82°, Smooth, Undulating, 50, fine tabular gravel. Joint; α22°, Rough, Undulating.											
		37	559					VW			1.00 DDPQ	10				
	Weak.	38	558				UW	W			0.40 DDPQ	53		Groundwater Not Encountered		
	Moderately Strong. Closely spaced Fractures							MS			0.90 DDPQ	30				
	Weak. Extremely closely spaced Fractures.	39	557					W			0.80 DDPQ	0				
	Moderately Strong.							MS			1.00	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (52 m bgl). VWPs installed and grouted, tips at 3.6, 25.3, and 50.8 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 24 February 2026 from 1.8m bgl to 44.1 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE: PQ Rotary Drilled

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:29 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD506

SHEET 9 OF 11

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319739.1 North 5017165.4
GRID: NZTM 2000

RL GROUND: 594.0
DATUM: NZVD 2016

HOLE STARTED: 15/02/2026
HOLE FINISHED: 21/02/2026
HOLE DEPTH: 51.8m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered grey Pelitic TZ3 schist. Moderately Strong. Extremely closely spaced Fractures	41	556				UW	MS			1.00 DDPQ	0				
	Core loss.	42	555	C/L							0.50 DDPQ	0				
	Unweathered grey Pelitic TZ3 schist. Very weak. Breaks in hand to coarse, tabular gravel. Extremely closely spaced Fractures		554		Joint; α24°, Rough, Undulating.			W			0.80 DDPQ	0				
	Very closely spaced Fractures	43									0.70 DDPQ	0				
	Recovered as CLAY minor fine sand. Grey. Dense, Moist. Interpreted as schist crush zone.										0.80 DDPQ	0				
	Recovered as GRAVEL some Sand fine to medium. Gravel, fine to coarse, tabular schist. Grey. Loose, moist, Non-Plastic. Interpreted as schist crush zone.	44	553				UW				1.40 DDPQ	0		Groundwater Not Encountered		
	Recovered as SAND some Clay. Sand, fine. Grey. Medium Dense, moist, moderate plasticity. Interpreted as schist crush zone.		552					MS								
	Unweathered grey Pelitic TZ3 schist. Moderately Strong. Very closely spaced Fractures															

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (52 m bgl). VWPs installed and grouted, tips at 3.6, 25.3, and 50.8 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 24 February 2026 from 1.8m bgl to 44.1 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE: PQ Rotary Drilled

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:29 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD506

SHEET 10 OF 11

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319739.1 North 5017165.4
GRID: NZTM 2000

RL GROUND: 594.0
DATUM: NZVD 2016

HOLE STARTED: 15/02/2026
HOLE FINISHED: 21/02/2026
HOLE DEPTH: 51.8m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered grey Pelitic TZ3 schist. Moderately Strong. Multiple zone of fracturing, small grain rock frags infill, thin quartz segregations parallel to foliation. Very closely spaced Fractures				Fractured Zone, Rough, Planar, medium to coarse sand. Joint; α53°, Rough, Undulating, clean.		UW	MS			0.80 DDPQ	0		Groundwater Not Encountered		
			551		Fractured Zone, Smooth, Planar, fine tabular gravel and coarse sand.											
		46			Crush Zone, Rough, Planar, fine tabular gravel. Fractured Zone, Smooth, Planar, clean. Clay Seam, Rough, Undulating, fine tabular gravel. Crush Zone; α46°, Rough, Planar, fine tabular gravel. Joint; α63°, Smooth, Planar, clean.						1.40 DDPQ	8				
			550		Crush Zone; α46°, Rough, Planar, Coarse sand and fine tabular gravel.											
		47			Crush Zone, fine tabular gravel. Joint; α74°, Smooth, Undulating, clean. Joint; α76°, Smooth, Planar, Coarse sand and fine tabular gravel. Crush Zone, fine tabular gravel. Joint; α68°, Smooth, Undulating, clean.											
			549		Crush Zone, fine to medium tabular gravel.						1.50 DDPQ	0				
		48			Joint; α43°, Rough, Planar, clean. Joint; α77°, Smooth, Planar, clean. Joint; α73°, Smooth, Planar, clean. Joint; α57°, Smooth, Planar, coarse sand.											
	Extremely closely spaced Fractures				Crush Zone, coarse sand.											
			548								1.40	0				
		49			Crush Zone, fine gravel sized tabular schist and rounded quartz.											
					Shear Zone, clay with fine rounded quartz gravel. Crush Zone, fine tabular gravel. Joint; α87°, Smooth, Planar, clean.											
	Very closely spaced Fractures		547													

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (52 m bgl). VWPs installed and grouted, tips at 3.6, 25.3, and 50.8 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 24 February 2026 from 1.8m bgl to 44.1 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE: PQ Rotary Drilled

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ROCK LOG

DRILLHOLE No.: MDD506

SHEET 11 OF 11

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319739.1 North 5017165.4
GRID: NZTM 2000

RL GROUND: 594.0
DATUM: NZVD 2016

HOLE STARTED: 15/02/2026
HOLE FINISHED: 21/02/2026
HOLE DEPTH: 51.8m
INCLINATION: 70°
ORIENTATION: 120°

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered grey Pelitic TZ3 schist. Moderately Strong. Multiple zone of fracturing, small grain rock frags infill, thin quartz segregations parallel to foliation. Very closely spaced Fractures										1.40 DDPQ	0				
	Extremely closely spaced Fractures				Crush Zone, fine tabular gravel.						0.90 DDPQ	0				
	Very closely spaced fractures.	51	546				UW	MS			0.80 DDPQ	0		Groundwater Not Encountered		

EOH: 51.80 m

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (52 m bgl). VWPs installed and grouted, tips at 3.6, 25.3, and 50.8 m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 24 February 2026 from 1.8m bgl to 44.1 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE: PQ Rotary Drilled

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:29 am - Produced with Core-GS by Geroc

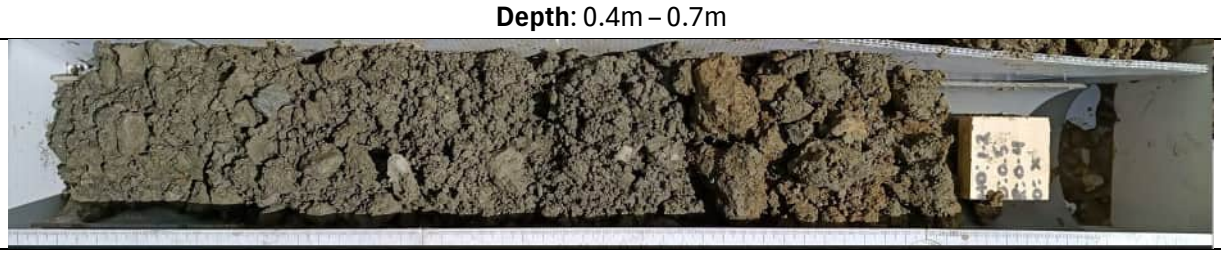
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EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD506		
		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD506 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 0.0m – 0.4m



Depth: 0.4m – 0.7m



Depth: 0.7m – 1.2m

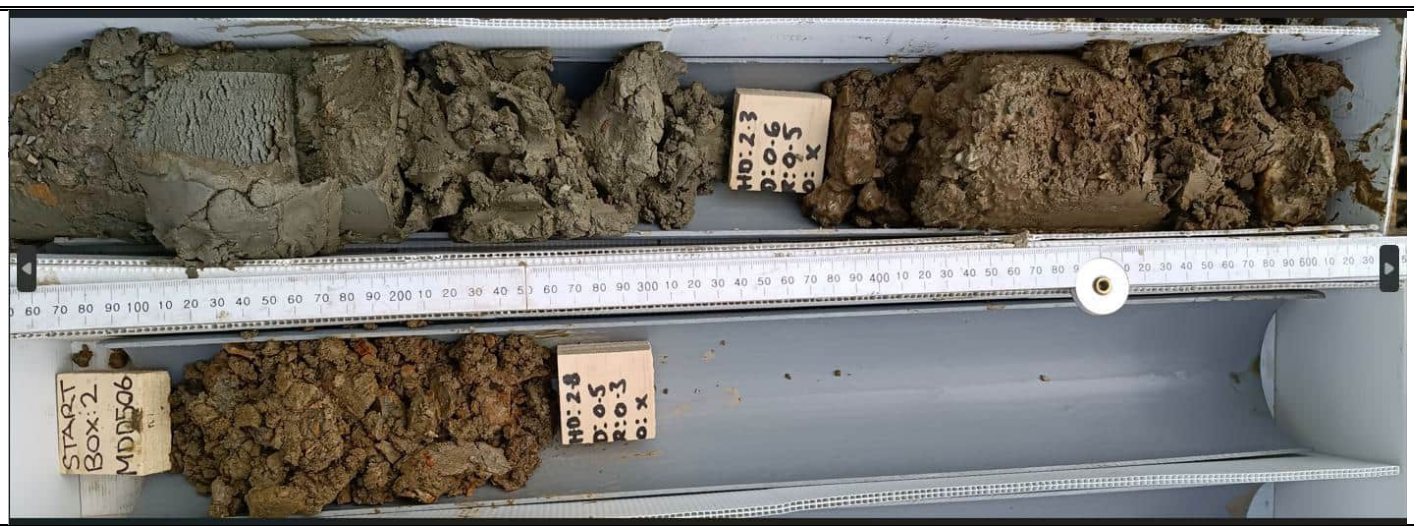


Depth: 1.2m – 1.7m

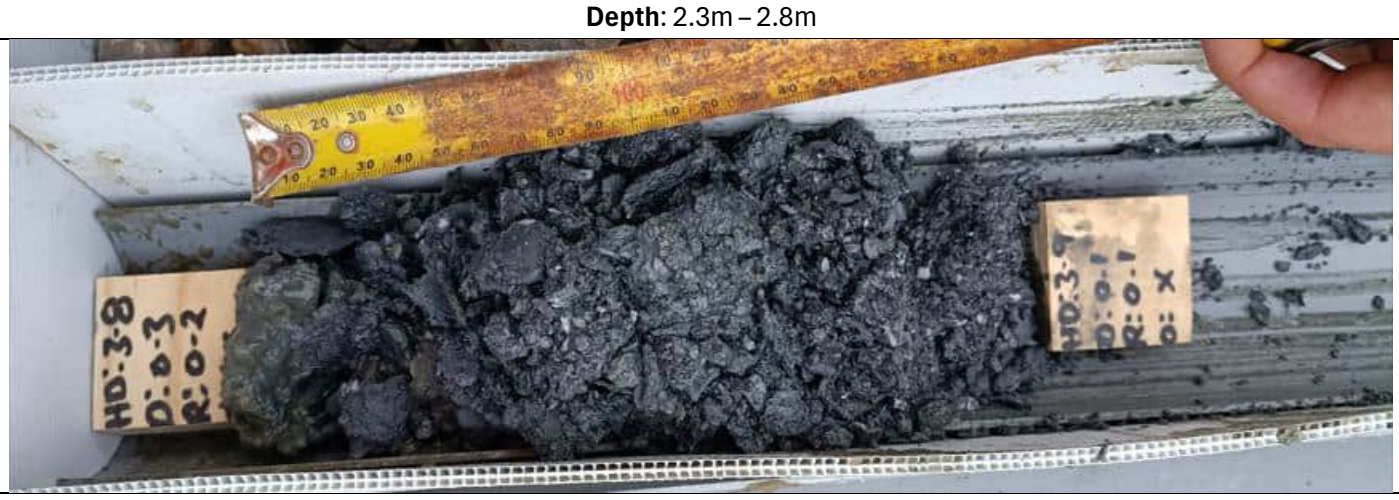


Depth: 1.7m – 2.3m

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		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD506 A3 - SPLIT PHOTOGRAPHS PER RUN				



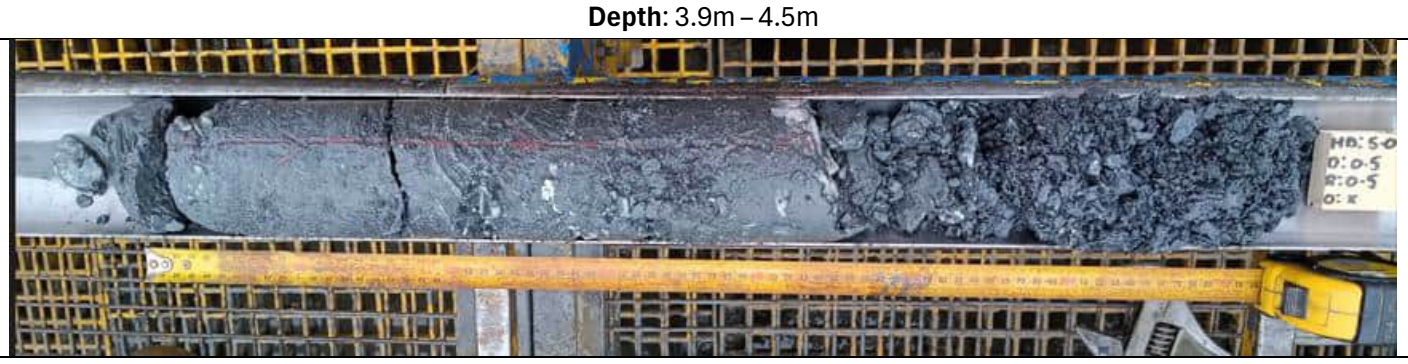
Depth: 2.3m – 2.8m



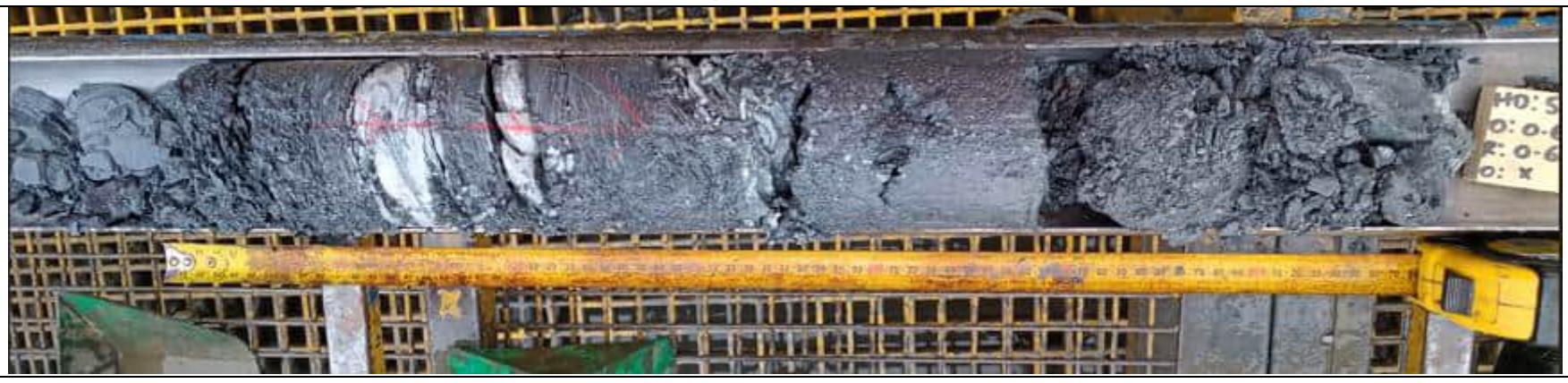
Depth: 3.8m – 3.9m



Depth: 3.9m – 4.5m



Depth: 4.5m – 5.0m



Depth: 5.0m – 5.6m

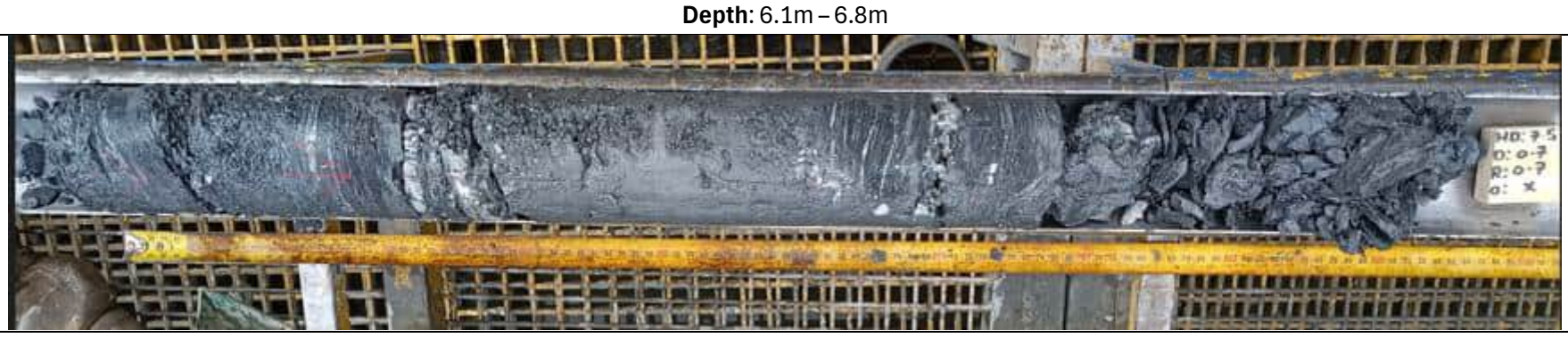
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Title:	MDD506 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 5.6m – 6.1m



Depth: 6.1m – 6.8m



Depth: 6.8m – 7.5m (1)



Depth: 8.3m – 8.5m



Depth: 8.5m – 9.0m



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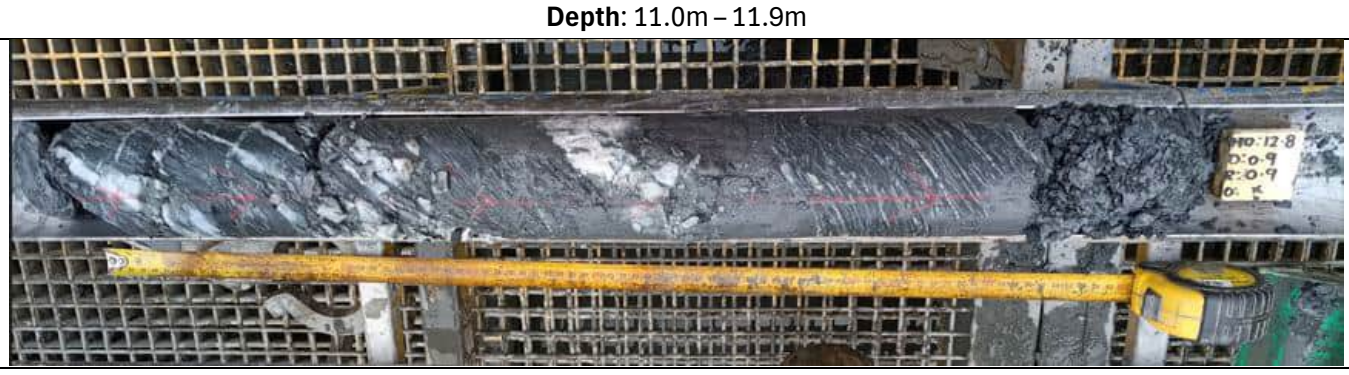
Depth: 9.7m – 10.2m



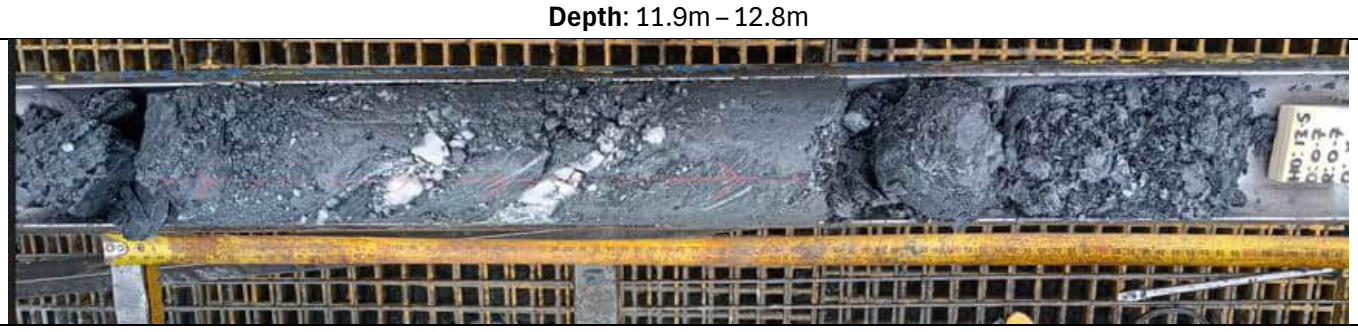
Depth: 10.2m – 11.0m



Depth: 11.0m – 11.9m



Depth: 11.9m – 12.8m



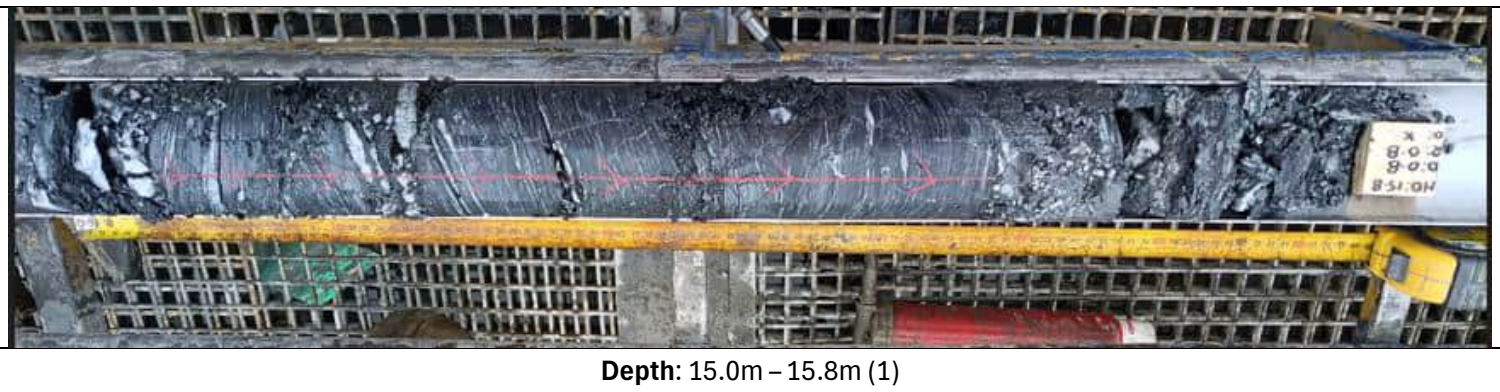
Depth: 12.8m – 13.5m



Depth: 13.5m – 14.1m



Depth: 14.1m – 15.0m (1)



Depth: 15.0m – 15.8m (1)

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Depth: 15.8m – 17.3m (1)



Depth: 17.3m – 18.7m (1)



Depth: 18.7m – 19.1m



Depth: 19.1m – 21.0m



Depth: 21.0m – 21.8m



Depth: 21.8m – 22.7m (1)

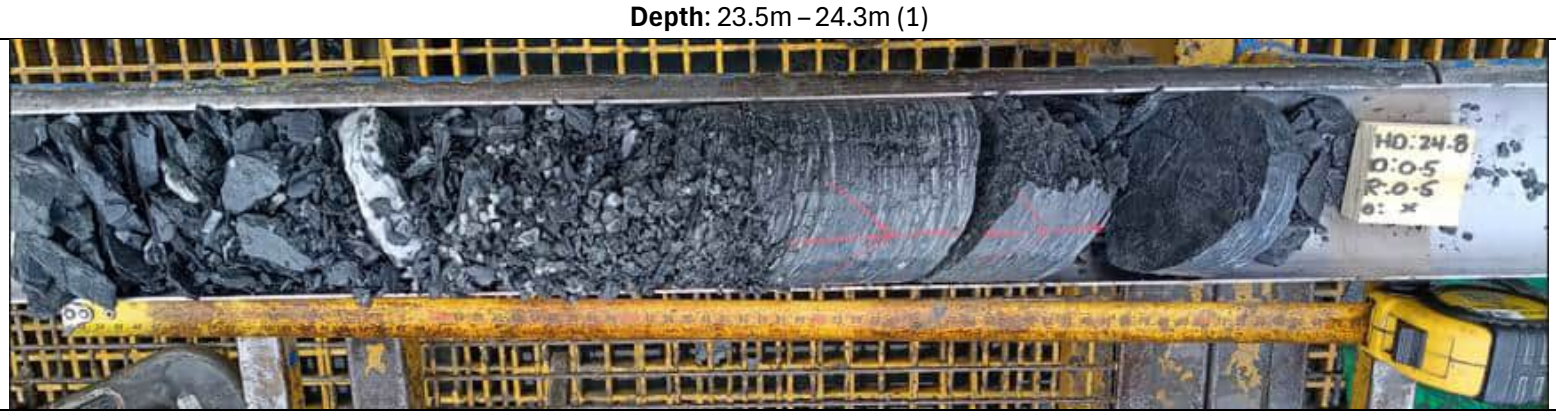
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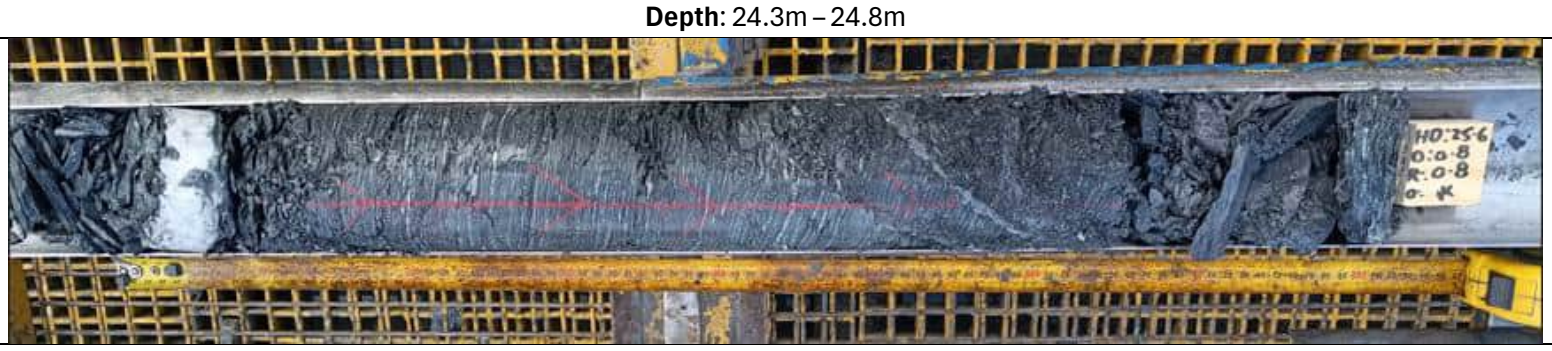
Depth: 22.7m – 23.5m (1)



Depth: 23.5m – 24.3m (1)



Depth: 24.3m – 24.8m



Depth: 24.8m – 25.6 (1)m



Depth: 25.6m – 25.8m



Depth: 25.8m – 26.3m

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		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD506 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 26.3m – 27.0m



Depth: 27.0m – 27.8m



Depth: 28.0m – 28.7m



Depth: 28.9m – 29.8m



Depth: 29.8m – 30.7m



Depth: 30.7m – 31.5m

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		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD506 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 31.5m – 32.3m



Depth: 32.3m – 33.0m



Depth: 33.0m – 33.4m

Core Loss

Depth: 33.4m – 33.8m



Depth: 33.8m – 34.4m



Depth: 34.4m – 34.9m

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		Photograph By:	MGL	Date:	Mar 2026
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Depth: 34.9m – 35.5m



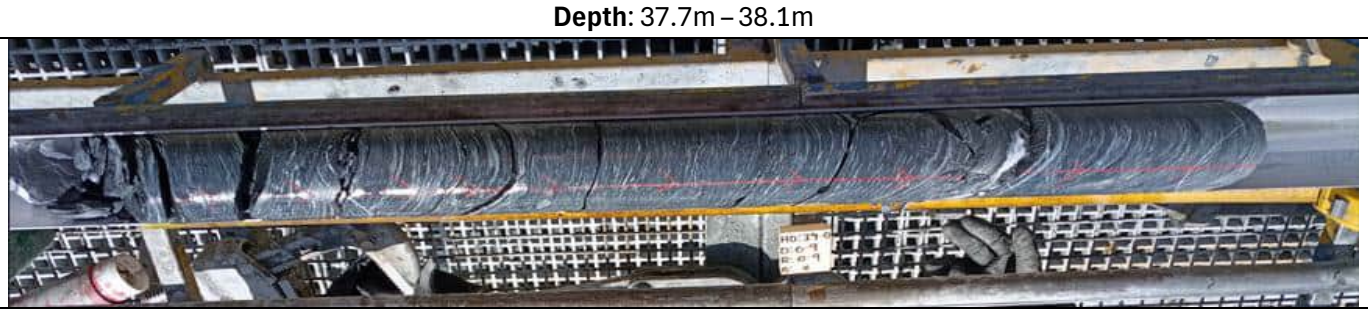
Depth: 35.5m – 36.7m



Depth: 36.7m – 37.7m



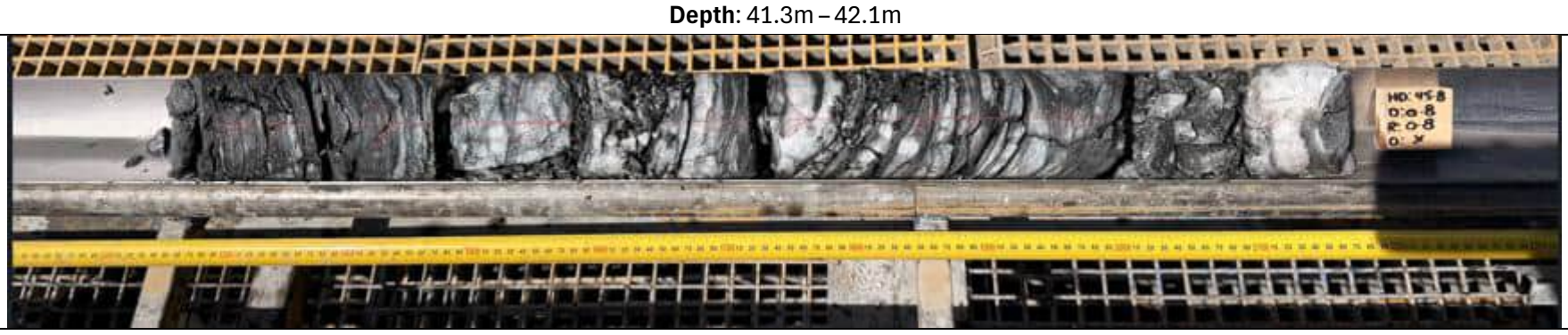
Depth: 37.7m – 38.1m



Depth: 38.0m – 39.0m

Core Loss

Depth: 41.3m – 42.1m



Depth: 45.0m – 45.8m

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Depth: 45.8m – 47.2m



Depth: 47.2m – 48.7m



Depth: 48.7m – 50.1m

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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS		



Depth: 0m - 2.5m



Depth: 2.5m - 4.7m

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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS		



Depth: 4.7m - 6.8m



Depth: 6.8m - 8.7m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS		



Depth: 8.7m - 11.1m



Depth: 11.1m - 13.5m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS		



Depth: 13.5m - 15.5m



Depth: 15.5m - 17.4m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS		



Depth: 17.4m - 20.8m



Depth: 20.8m - 22.8m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS		



Depth: 22.8m - 24.8m



Depth: 24.8m - 26.8m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL Date: Apr 2026
Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS		



Depth: 26.8m - 28.7m



Depth: 28.7m - 31.3m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL Date: Apr 2026
Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS		



Depth: 31.3m - 34.2m



Depth: 34.2m - 37.1m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS				



Depth: 37.1m - 39m



Depth: 39m - 41m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS		



Depth: 41m - 44.2m



Depth: 44.2m - 46.2m

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		Photograph By: MGL	Date: Apr 2026
Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS		



Depth: 46.2m - 48.29m



Depth: 48.29m - 50.2m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL | Date: Apr 2026
Title:	MDD506 A4 – CORE BOX PHOTOGRAPHS		



Depth: 50.2m - 51m



Depth: 51m - 51.8m

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Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD507

SHEET 1 OF 2

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319760.2 North 5017196.4
GRID: NZTM 2000

RL GROUND: 594.7
DATUM: NZVD 2016

HOLE STARTED: 25/02/2026
HOLE FINISHED: 27/02/2026
HOLE DEPTH: 7.3m
INCLINATION: 70°
ORIENTATION: 20°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
Alluvium	Core loss			C/L							0.70	0				
	CLAY minor gravel. Gravel, fine to medium, angular, highly weathered schist, brown. Completely dried out at time of logging.	1	594	C/L							0.70	0				
	Core loss			C/L							0.50	0				
		2	593	C/L							0.60	0				
TZ3 Schist	Recovered as: Fine to coarse GRAVEL, angular tabular shaped schist clasts. Due to significant core loss, interpretation unable to be defined.						CW	VW								
	Core loss			C/L							0.20	0				
		3	592	C/L							0.30	0				
				C/L							0.30	0				
	Recovered as: Fine to coarse GRAVEL, angular tabular shaped schist clasts. Due to significant core loss, interpretation unable to be defined.						HW	W			0.30	0				
	Core loss			C/L							0.30	0				
		4	591	C/L							0.20	0				
	Recovered as: Fine to coarse GRAVEL, angular tabular shaped schist clasts. Due to significant core loss, interpretation unable to be defined.						HW	W								
	Core loss			C/L							0.20	0				
	Recovered as: Fine to coarse GRAVEL, angular tabular shaped schist clasts. Due to significant core loss, interpretation unable to be defined.						HW	VW			0.10	0				
	Core loss			C/L							0.30	0				
				C/L							0.20	0				
				C/L							0.30	0				

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Terminated at 7.3m after changing drilling rigs, and unable to re-establish realignment with original borehole, in addition, drilling MDD507 resulted in significant core loss from 0.0m to 7.3m, on this basis, the drilling rig was relocated and MDD507R commenced. No drilling mud used. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:54 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD507

SHEET 2 OF 2

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319760.2 North 5017196.4
GRID: NZTM 2000

RL GROUND: 594.7
DATUM: NZVD 2016

HOLE STARTED: 25/02/2026
HOLE FINISHED: 27/02/2026
HOLE DEPTH: 7.3m
INCLINATION: 70°
ORIENTATION: 20°

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Recovered as: Fine to coarse GRAVEL, angular tabular shaped schist clasts. Due to significant core loss, interpretation unable to be defined.			C/L			MW	EW			0.30	0		Groundwater Not Encountered		
	Core loss			C/L							0.30	0				
	Recovered as Gravelly CLAY minor sand. Sand, fine. Gravel, fine to medium, angular and tabular highly weathered schist, Brown, dark grey, brownish grey. Completely dried out at time of logging. Interpreted as Schist crush zone.	6	589	C/L							0.40	0				
	Core loss			C/L							0.40	0				
				C/L							0.30	0				
				C/L							0.30	0				
		7	588	C/L							0.20	0				
				C/L							0.20	0				

EOH: 7.30 m

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Terminated at 7.3m after changing drilling rigs, and unable to re-establish realignment with original borehole, in addition, drilling MDD507 resulted in significant core loss from 0.0m to 7.3m, on this basis, the drilling rig was relocated and MDD507R commenced. No drilling mud used. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:55:54 am - Produced with Core-GS by Geroc

Client:	MATAKANUI GOLD LIMITED	**EGL Job No.**	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		**Location:**	TSF Embankment Gully Floor MDD507		
		Photograph By:	MGL	**Date:**	Apr 2026
Title:	**MDD507 A3 – CORE BOX PHOTOGRAPHS**				



Depth: 0.0m-4.9m



Depth: 4.9m – 7.3m

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ROCK LOG

DRILLHOLE No.: MDD507R

SHEET 1 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319759.1 North 5017194.7
GRID: NZTM 2000

RL GROUND: 594.7
DATUM: NZVD 2016

HOLE STARTED: 27/02/2026
HOLE FINISHED: 08/03/2026
HOLE DEPTH: 33.0m
INCLINATION: 70°
ORIENTATION: 20°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
Alluvium	Sandy CLAY with minor gravel. Sand, fine. Gravel, fine, rounded to subangular, highly weathered schist; brown and orange. Loose, moist, Low Plasticity.	1	594								0.60	0		Groundwater Not Encountered		
	CLAY with minor woody organics. Blue grey. Very Soft, Moist, High Plasticity.	2	593								1.00	0				
	Sandy CLAY with minor gravel. Sand, fine to coarse. Gravel, fine angular and tabular; blue grey. Hard, Moist, Moderate Plasticity.	3	592	C/L C/L C/L C/L							0.50	0				
	Core loss.										0.40	0				
											0.45	0				
											0.25	0				
											0.10	0				
											0.10	0				
TZ3 Schist	Recovered as: Clayey SAND with minor gravel, grey. Interpreted as: Unweathered extremely weak pelitic schist, mechanically pulverised during drilling and returned to surface as clays, sands and gravels. Likely some cave in from above core loss.	4	591	C/L			UW	EW			0.30	0				
	Core loss.										0.20	0				
	Recovered as: Sandy fine to medium GRAVEL, grey. Interpreted as: Unweathered extremely weak pelitic schist, mechanically pulverised during drilling and returned to surface as sands and gravels.						UW	EW			0.20	0				
	Recovered as Sandy CLAY with minor gravel. Sand, fine to coarse. Gravel, fine, angular and tabular. Grey. Hard, Moist, Low Plasticity. Interpreted as: Unweathered extremely weak pelitic schist, crush zone, mechanically pulverised during drilling and returned to surface as clays, sands and gravels.										0.35	0				
											0.20	0				
											0.25	0				
											0.20	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines

(2005.) 3.40m to 7.05m: Based on MDD394 & MDD514, materials inferred to be extremely weak pelitic schist, with potential crush zones, that have been mechanically pulverised during drilling and returned to surface as clays, sands and gravels. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Borehole terminated early (33 m of target 40m) due to rods jammed after packer test. After termination, PQ barrel and 2 rods stuck in hole, 22.5m to 27m. No groundwater monitoring installations after drilling. No drilling mud used. No geophysics captured after drilling. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

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ROCK LOG

DRILLHOLE No.: MDD507R

SHEET 2 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319759.1 North 5017194.7
GRID: NZTM 2000

RL GROUND: 594.7
DATUM: NZVD 2016

HOLE STARTED: 27/02/2026
HOLE FINISHED: 08/03/2026
HOLE DEPTH: 33.0m
INCLINATION: 70°
ORIENTATION: 20°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Recovered as Sandy CLAY with minor gravel. Sand, fine to coarse. Gravel, fine, angular and tabular. Grey. Hard, Moist, Low Plasticity. Interpreted as: Unweathered extremely weak pelitic schist, crush zone, mechanically pulverised during drilling and returned to surface as clays, sands and gravels.		590	C/L			UW	EW			0.20	0				
	Core loss.										0.30	0				
	Recovered as: Sandy fine to coarse Gravel, grey. Interpreted as: Unweathered extremely weak pelitic schist, mechanically pulverised during drilling and returned to surface as sands and gravels.	6	589	C/L			UW	EW			0.25	0				
	Core loss.										0.35	0				
	Recovered as: Sandy fine to coarse Gravel, grey. Interpreted as: Unweathered extremely weak pelitic schist, mechanically pulverised during drilling and returned to surface as sands and gravels.										0.30	0				
	Core loss.			C/L							0.30	0				
	Unweathered, Grey, Pelitic Schist. Very Weak. Very closely spaced Fractures.	7	588		Shear Zone; α45°, Smooth, Undulating, clay with some tabular gravel.		UW	VW			0.25	0				
											0.45	0				
	Weak.	8	587		Joint; α48°, Smooth, Planar, clean. Joint; α56°, Smooth, Planar. Joint; α86°, Rough, Planar, clean. Joint; α54°, Rough, Planar, clean.			W			0.60	0				
	Recovered as: Clayey Gravel, angular tabular shaped clasts, tightly packed. Clasts separated under hand pressure. Interpreted as: Unweathered Pelitic Schist, Extremely weak, grey. Closely spaced fractures. Crush zone.							EW			1.10	20				
	Core loss.	9	586	C/L C/L							0.80	0				
	Unweathered, Grey, Pelitic Schist. Very Weak. Extremely closely spaced Fractures.				Crush Zone; α74°, Smooth, Undulating, tabular gravel minor clay.		UW	VW			0.30	0		Groundwater Not Encountered		

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines

(2005.) 3.40m to 7.05m: Based on MDD394 & MDD514, materials inferred to be extremely weak pelitic schist, with potential crush zones, that have been mechanically pulverised during drilling and returned to surface as clays, sands and gravels. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Borehole terminated early (33 m of target 40m) due to rods jammed after packer test. After termination, PQ barrel and 2 rods stuck in hole, 22.5m to 27m. No groundwater monitoring installations after drilling. No drilling mud used. No geophysics captured after drilling. Boxed core stored at MGL depot.

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DRILLER: Alton Drilling
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ROCK LOG

DRILLHOLE No.: MDD507R

SHEET 3 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319759.1 North 5017194.7
GRID: NZTM 2000

RL GROUND: 594.7
DATUM: NZVD 2016

HOLE STARTED: 27/02/2026
HOLE FINISHED: 08/03/2026
HOLE DEPTH: 33.0m
INCLINATION: 70°
ORIENTATION: 20°

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Very Weak. Very closely spaced Fractures.				Joint; α67°, Rough, Undulating, fine tabular schist.		UW	VW			0.30	0		Groundwater Not Encountered		
			585		Joint; α47°, Smooth, Planar, clean.						0.70	15				
	Weak.															
		11			Joint; α73°, Smooth, Planar, clean.											
					Joint; α63°, Smooth, Planar, clean.											
					Joint; α72°, Smooth, Planar.											
	Closely spaced Fractures		584					W			1.20	69				
					Joint; α83°, Rough, Undulating, clean.											
	Very closely spaced Fractures															
		12			Joint; α82°, Smooth, Planar.											
					Joint; α74°, Smooth, Planar, clean.											
					Joint; α75°, Smooth, Planar, clean.											
	Moderately Strong.															
	Closely spaced Fractures		583								1.10	40				
					Joint; α66°, Rough, Planar, clean.											
					Joint; α64°, Smooth, Planar, clean.											
	Very closely spaced Fractures															
		13														
					Joint; α71°, Smooth, Planar, clean.											
			582		Joint; α67°, Smooth, Planar.			MS			1.50	23				
					Joint; α68°, Rough, Planar, clean.											
		14														
					Joint; α85°, Smooth, Planar, clean.											
					Joint; α67°, Smooth, Planar, coarse sand.											
			581								0.60	45				
	Closely spaced Fractures															

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines

(2005.) 3.40m to 7.05m: Based on MDD394 & MDD514, materials inferred to be extremely weak pelitic schist, with potential crush zones, that have been mechanically pulverised during drilling and returned to surface as clays, sands and gravels. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Borehole terminated early (33 m of target 40m) due to rods jammed after packer test. After termination, PQ barrel and 2 rods stuck in hole, 22.5m to 27m. No groundwater monitoring installations after drilling. No drilling mud used. No geophysics captured after drilling. Boxed core stored at MGL depot.

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DRILLER: Alton Drilling
DRILL TYPE:

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ROCK LOG

DRILLHOLE No.: MDD507R

SHEET 4 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319759.1 North 5017194.7
GRID: NZTM 2000

RL GROUND: 594.7
DATUM: NZVD 2016

HOLE STARTED: 27/02/2026
HOLE FINISHED: 08/03/2026
HOLE DEPTH: 33.0m
INCLINATION: 70°
ORIENTATION: 20°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Moderately Strong. Closely spaced Fractures	16	580		Joint; α71°, Smooth, Planar, clean. Joint; α66°, Smooth, Planar, clean. Foliation Parting; α72°, Smooth, Undulating, clean. Foliation Parting; α78°, Smooth, Undulating, clean. Joint; α55°, Rough, Stepped. Joint; α31°, Rough, Stepped.		UW	MS			0.60 0.90	45 64		Groundwater Not Encountered		
		17	579		Joint; α12°, Slickensided, Planar. Joint; α23°, Smooth, Planar. Foliation Parting; α74°, Smooth, Planar, clean. Foliation Parting; α45°, Smooth, Stepped, clean. Joint; α33°, Slickensided, Undulating, clay.						1.50	84				
		18	578		Joint; α32°, Rough, Stepped. Joint; α43°, Rough, Stepped. Joint; α85°, Rough, Stepped, clean. Joint; α80°, Smooth, Planar, clean. Foliation Parting; α73°, Smooth, Planar, clean. Crush Zone; α78°, Rough, Planar. Clay Seam; α38°, Rough, Planar. Fractured Zone; α60°, Smooth, Stepped, clean.						1.50	41				
	Very closely spaced Fractures	19	577		Joint; α79°, Smooth, Planar, clean. Joint; α74°, Smooth, Planar, clean.						1.50	52				
			576		Joint; α73°, Smooth, Planar, clean. Joint; α69°, Smooth, Planar, clean.											

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines

(2005.) 3.40m to 7.05m: Based on MDD394 & MDD514, materials inferred to be extremely weak pelitic schist, with potential crush zones, that have been mechanically pulverised during drilling and returned to surface as clays, sands and gravels. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Borehole terminated early (33 m of target 40m) due to rods jammed after packer test. After termination, PQ barrel and 2 rods stuck in hole, 22.5m to 27m. No groundwater monitoring installations after drilling. No drilling mud used. No geophysics captured after drilling. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

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ROCK LOG

DRILLHOLE No.: MDD507R

SHEET 5 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319759.1 North 5017194.7
GRID: NZTM 2000

RL GROUND: 594.7
DATUM: NZVD 2016

HOLE STARTED: 27/02/2026
HOLE FINISHED: 08/03/2026
HOLE DEPTH: 33.0m
INCLINATION: 70°
ORIENTATION: 20°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Moderately Strong. Very closely spaced Fractures				Joint; α58°, Rough, Planar, clean.		UW	MS			1.50	52		Groundwater Not Encountered		
					Joint; α73°, Smooth, Planar, clean.											
					Joint; α83°, Rough, Planar.						0.40	0				
		21	575		Crush Zone, Rough, Stepped, medium to coarse sand and fine angular quartz gravels.											
	Closely spaced Fractures				Joint; α61°, Smooth, Planar, clean.						1.20	29				
					Joint; α36°, Smooth, Undulating, clean.											
					Joint; α83°, Smooth, Planar, clean.											
					Joint; α85°, Smooth, Planar, clean.											
					Joint; α67°, Rough, Undulating, clean.											
		22	574													
	Very closely spaced Fractures				Joint; α23°, Rough, Stepped, clean.											
					Joint; α73°, Smooth, Planar, clean.											
					Joint; α82°, Smooth, Planar, clean.											
					Joint; α27°, Rough, Stepped, clean.						1.60	23				
		23			Joint; α83°, Smooth, Planar, clean.											
			573													
					Joint; α47°, Smooth, Planar, clean.											
					Joint; α37°, Smooth, Planar.											
					Joint; α48°, Smooth, Planar.											
					Joint; α67°, Smooth, Planar, clean.											
		24			Joint; α68°, Smooth, Planar, clean.											
	Closely spaced Fractures		572													
					Joint; α56°, Rough, Undulating.						1.50	41				
					Joint; α62°, Smooth, Undulating, clean.											
					Joint; α85°, Smooth, Planar, clean.											
					Joint; α82°, Smooth, Undulating.											

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines

(2005.) 3.40m to 7.05m: Based on MDD394 & MDD514, materials inferred to be extremely weak pelitic schist, with potential crush zones, that have been mechanically pulverised during drilling and returned to surface as clays, sands and gravels. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Borehole terminated early (33 m of target 40m) due to rods jammed after packer test. After termination, PQ barrel and 2 rods stuck in hole, 22.5m to 27m. No groundwater monitoring installations after drilling. No drilling mud used. No geophysics captured after drilling. Boxed core stored at MGL depot.

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DRILLER: Alton Drilling
DRILL TYPE:

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ROCK LOG

DRILLHOLE No.: MDD507R

SHEET 6 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319759.1 North 5017194.7
GRID: NZTM 2000

RL GROUND: 594.7
DATUM: NZVD 2016

HOLE STARTED: 27/02/2026
HOLE FINISHED: 08/03/2026
HOLE DEPTH: 33.0m
INCLINATION: 70°
ORIENTATION: 20°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Moderately Strong. Closely spaced Fractures Very closely spaced Fractures	26	571 570		Fractured Zone; α83° , Smooth, Stepped. Joint; α63°, Rough, Stepped, clean. Fractured Zone; α63° , Rough, Stepped, clean. Joint; α47°, Smooth, Undulating, clean. Crush Zone, Rough, Stepped, silt and fine angular gravels.		UW	MS			1.50	41				
	Core loss.	27		C/L	Crush Zone, Rough, Stepped, silt and fine angular gravels. Crush Zone, Rough, Stepped, silt and fine angular gravels.						0.10	0				
	Unweathered, Grey, Pelitic Schist. Moderately Strong. Very closely spaced Fractures Closely spaced Fractures	28	569		Foliation Parting; α75°, Smooth, Planar, clean. Foliation Parting; α76°, Smooth, Planar, clean. Foliation Parting; α84°, Smooth, Planar, clean. Joint; α64°, Rough, Planar, silt and fine angular gravels. Joint; α72°, Rough, Planar.						1.60 1.10	15 50		Groundwater Not Encountered		
	Very closely spaced Fractures	29	568 567		Foliation Parting; α77°, Smooth, Undulating, clean. Joint; α65°, Rough, Stepped. Foliation Parting; α72°, Smooth, Planar, clean. Joint; α33°, Rough, Undulating. Foliation Parting; α78°, Smooth, Planar, clean. Foliation Parting; α80°, Smooth, Planar, clean. Foliation Parting; α70°, Smooth, Planar, clean. Joint; α77°, Rough, Stepped, clean.						1.50	50				
	Core loss.			C/L							0.80	0				
	Unweathered, Grey, Pelitic Schist. Moderately Strong. Very closely spaced Fractures															

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines

(2005.) 3.40m to 7.05m: Based on MDD394 & MDD514, materials inferred to be extremely weak pelitic schist, with potential crush zones, that have been mechanically pulverised during drilling and returned to surface as clays, sands and gravels. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Borehole terminated early (33 m of target 40m) due to rods jammed after packer test. After termination, PQ barrel and 2 rods stuck in hole, 22.5m to 27m. No groundwater monitoring installations after drilling. No drilling mud used. No geophysics captured after drilling. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:56:06 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers
Engineering Geology Ltd
+64 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD507R

SHEET 7 OF 7

Job No.: 9702

PROJECT: BOGP
LOCATION: TSF
COORDINATES: East 1319759.1 North 5017194.7
GRID: NZTM 2000

RL GROUND: 594.7
DATUM: NZVD 2016

HOLE STARTED: 27/02/2026
HOLE FINISHED: 08/03/2026
HOLE DEPTH: 33.0m
INCLINATION: 70°
ORIENTATION: 20°

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Weak. Very closely spaced Fractures				Joint; α72°, Rough, Planar.						0.80	0				
	Extremely closely spaced Fractures				Joint; α68°, Rough, Planar.											
	Core loss.		566	C/L	Joint; α35°, Rough, Undulating.											
	Unweathered, Grey, Pelitic Schist. Weak. Extremely closely spaced Fractures	31			Joint; α58°, Rough, Planar.						1.00	0				
	Core loss.			C/L												
	Unweathered, Grey, Pelitic Schist. Weak. Extremely closely spaced Fractures		565				UW	W						Groundwater Not Encountered		
	Unweathered, Grey, Pelitic Schist. Moderately Strong. Extremely closely spaced Fractures	32									1.00	15				
	Very closely spaced Fractures															
	Closely spaced Fractures		564		Foliation Parting; α76°, Smooth, Planar, clean.			MS			0.60	75				

EOH: 33.00 m

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines

(2005.) 3.40m to 7.05m: Based on MDD394 & MDD514, materials inferred to be extremely weak pelitic schist, with potential crush zones, that have been mechanically pulverised during drilling and returned to surface as clays, sands and gravels. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Borehole terminated early (33 m of target 40m) due to rods jammed after packer test. After termination, PQ barrel and 2 rods stuck in hole, 22.5m to 27m. No groundwater monitoring installations after drilling. No drilling mud used. No geophysics captured after drilling. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (TSF) - 28/05/2026 11:56:06 am - Produced with Core-GS by Geroc

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD507R A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 0.0m – 0.6m



Depth: 0.6m – 1.3m



Depth: 1.3m – 2.1m

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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD507R A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 2.1m – 2.5m



Depth: 2.5m – 3.4m



Depth: 3.4m – 3.7m



Depth: 3.9m – 4.1m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD507R A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 4.1m – 4.45m



Depth: 4.45m – 4.65m



Depth: 4.65m – 4.90m

Client:	MATAKANUI GOLD LIMITED	**EGL Job No.**	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		**Location:**	TSF Embankment Gully Floor MDD507R		
		Photograph By:	MGL	**Date:**	Apr 2026
Title:	**MDD507R A3 - SPLIT PHOTOGRAPHS PER RUN**				



Depth: 5.4m – 5.65m



Depth: 5.65m – 6.0m



Depth: 6.0m – 6.3m



Depth: 6.3m – 6.6m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD507R A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 6.6m – 6.85m



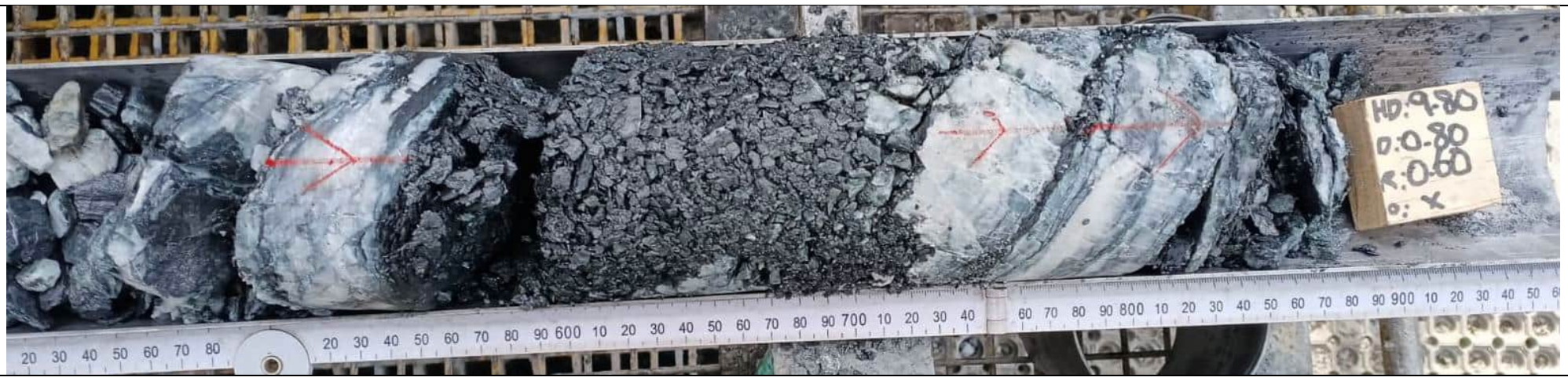
Depth: 6.85m – 7.3m



Depth: 7.3m – 7.9m



Depth: 7.9m – 9.0m



Depth: 9.0m – 9.8m



Depth: 9.8m – 10.10m

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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD507R A3 - SPLIT PHOTOGRAPHS PER RUN				



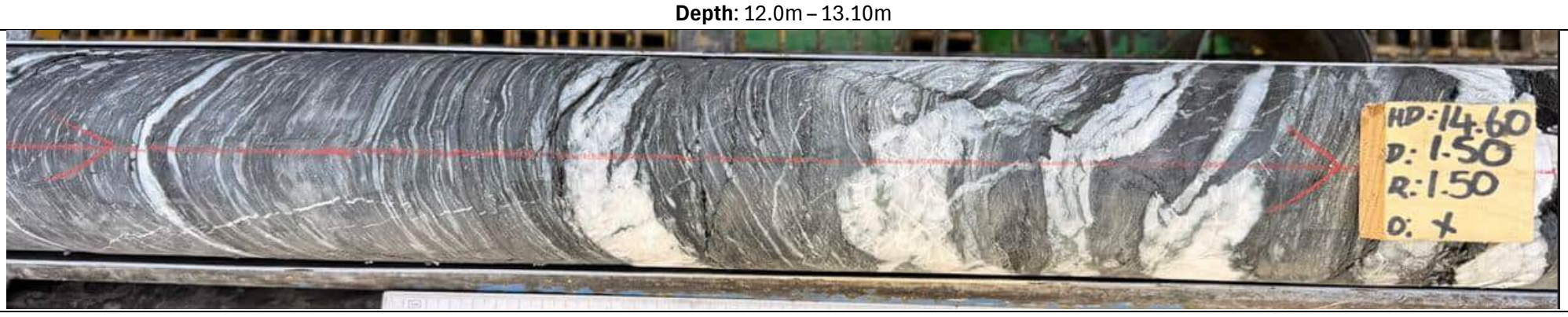
Depth: 10.1m – 10.8m



Depth: 10.8m – 12.0m



Depth: 12.0m – 13.10m



Depth: 13.1m – 14.60m



Depth: 14.6m – 15.2m



Depth: 15.2m – 16.1m

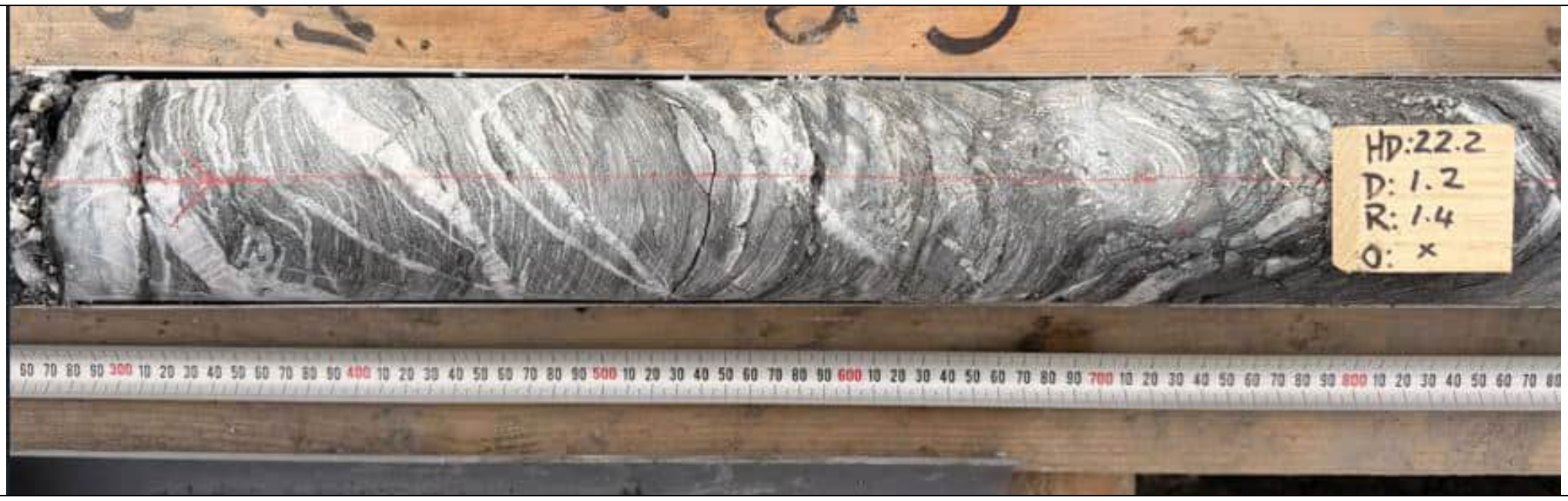


Depth: 16.1m – 17.6m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD507R A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 17.6m – 19.1m



Depth: 21.0m – 22.2m

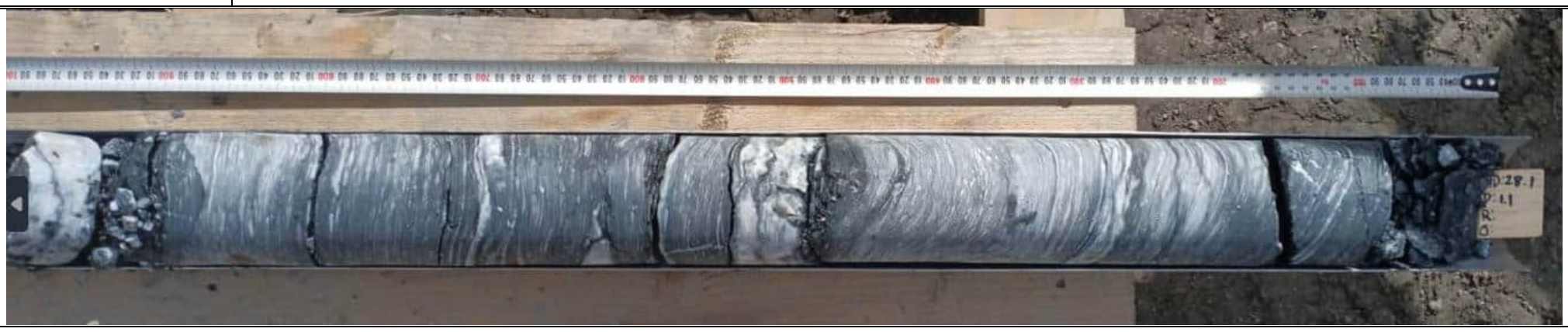


Depth: 22.2m – 23.8m

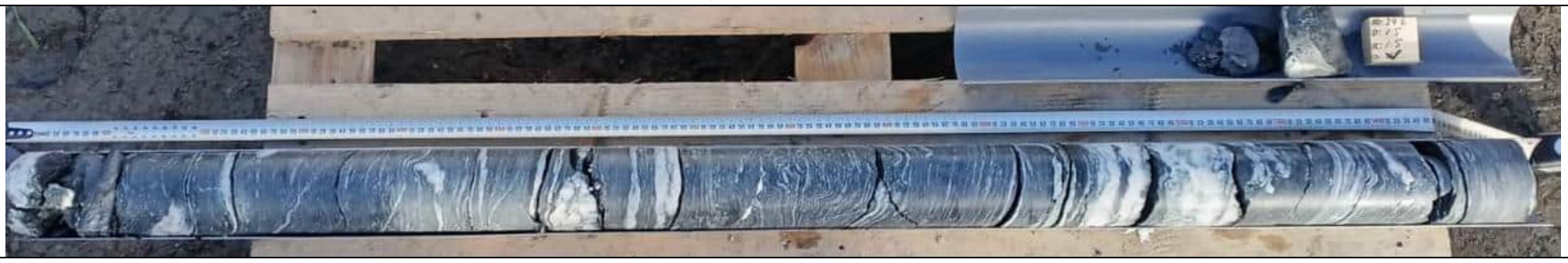


Depth: 23.8m – 25.3m

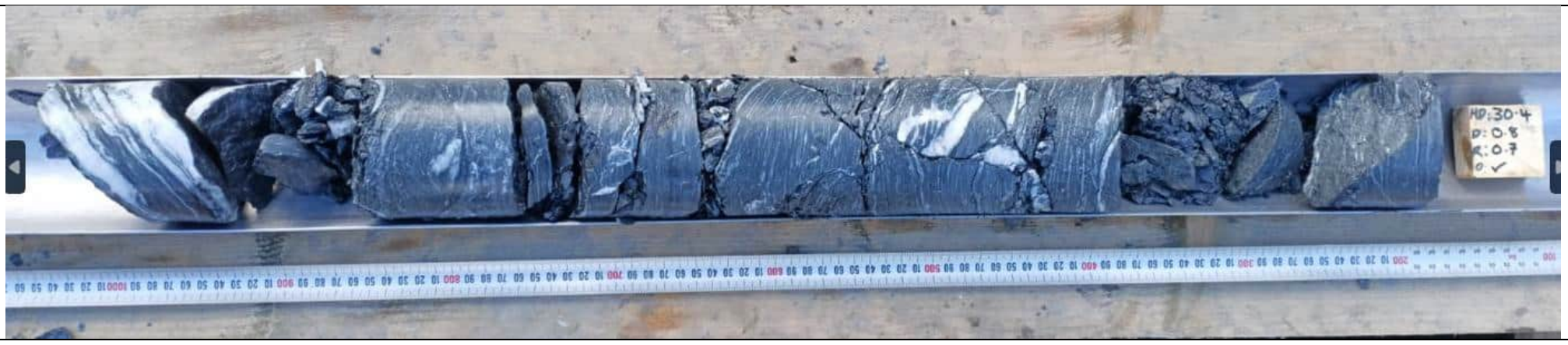
Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD507R A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 27.0m – 28.1m



Depth: 28.1m – 29.6m



Depth: 29.6m – 30.4m

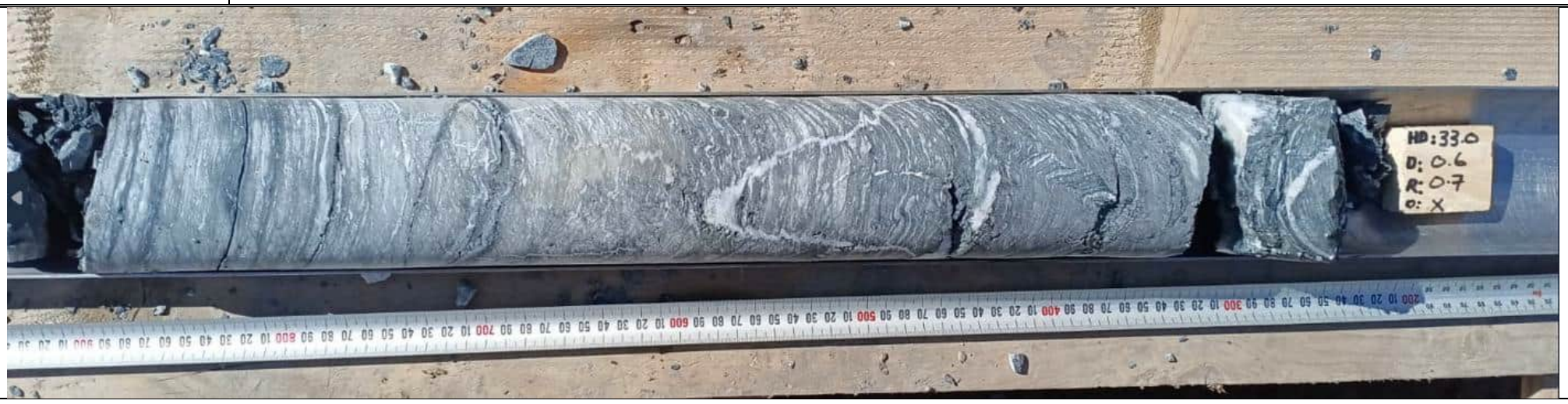


Depth: 30.4m – 31.4m



Depth: 31.4m – 32.4m

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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD507R A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 32.4m – 33.0m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD507R A4 – CORE BOX PHOTOGRAPHS				



Depth: 0.0m – 1.7m



Depth: 1.7m – 3.70m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R
		Photograph By:	MGL / Date: Apr 2026

Title:	MDD507R A4 – CORE BOX PHOTOGRAPHS



Depth: 3.70m – 4.90m



Depth: 4.90m – 6.30m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD507R A4 – CORE BOX PHOTOGRAPHS				



Depth: 6.3m – 8.0m



Depth: 8.0m – 10.20m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R
		Photograph By:	MGL / Date: Apr 2026

Title:	MDD507R A4 – CORE BOX PHOTOGRAPHS



Depth: 8.0m – 10.20m



Depth: 12.0m – 13.60m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R
		Photograph By:	MGL / Date: Apr 2026

Title:	MDD507R A4 – CORE BOX PHOTOGRAPHS



Depth: 13.60m – 15.30m



Depth: 15.30m – 17.30m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R
		Photograph By:	MGL / Date: Apr 2026

Title:	MDD507R A4 – CORE BOX PHOTOGRAPHS



Depth: 17.30m – 19.10m



Depth: 19.10m – 20.90m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD507R A4 – CORE BOX PHOTOGRAPHS		



Depth: 19.10m – 20.90m



Depth: 22.50m – 24.50m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R
		Photograph By:	MGL / Date: Apr 2026

Title:	MDD507R A4 – CORE BOX PHOTOGRAPHS



Depth: 24.50m – 26.40m



Depth: 26.40m – 28.00m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R
		Photograph By:	MGL / Date: Apr 2026
Title:	MDD507R A4 – CORE BOX PHOTOGRAPHS		



Depth: 28.00m – 29.90m



Depth: 29.90m – 32.50m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD507R
		Photograph By:	MGL **Date:** Apr 2026
Title:	**MDD507R A4 – CORE BOX PHOTOGRAPHS**		



Depth: 32.50m – 33.00m

TSF SHALLOW BOREHOLES

MDD514, MDD515, MDD516, MDD517, MDD518, MDD519

EGL Geotechnical, Earthquake and Dam Engineers
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PO Box 301054, Albany, Auckland 0752
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ROCK LOG

DRILLHOLE No.: MDD514

SHEET 1 OF 4

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319766.0 North 5017192.8

RL GROUND: 595.5

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/03/2026

HOLE FINISHED: 13/03/2026

HOLE DEPTH: 15.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TS	Topsoil, organic silt.			TS												
Alluvium	SILT minor sand and clay. Sand, fine. Brown. Very Stiff, Dry, Low Plasticity.		595								0.90	0				
	Core loss.	1		C/L												
Colluvium	Clay some gravel, minor sand and silt. Sand, fine. Gravel, fine tabular and angular highly weathered schist. brown. Very Stiff, Moist, Moderate Plasticity.		594								1.20	0				
	Core loss.	2		C/L							0.50	0				
	Clayey GRAVEL minor sand. Sand, fine to coarse. Gravel, fine tabular and angular, highly weathered schist. brown. Medium Dense, Moist, Non-Plastic. alluvium		593													
	2.6m - 2.8m: Fine to coarse sized tabular and angular schist gravels															
	Sandy GRAVEL minor clay. Sand, fine to coarse. Gravel, fine tabular and angular, highly weathered schist. grey. Medium Dense, Moist, Non-Plastic.	3	592								0.50	0				
	Recovered as Clayey fine to coarse GRAVEL and minor sand. Interpreted as Unweathered extremely weak pelitic Schist.	4									0.60	0				
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Very Weak. Breaks with hammer blows to tabular gravels. Sub-vertical foliation. Closely spaced Fractures, Gently inclined.		591				UW	VW			1.30	65				

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (15 m bgl). Standpipe Piezometer installed with screen from 10 to 15m bgl, refer to as-built diagram. No drilling mud used. Boxed core stored at MGL depot.

LOGGED: EGL

DRILLER: Alton Drilling

CHECKED:

DRILL TYPE:

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:25 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers
Engineering Geology Ltd
+64 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD514

SHEET 2 OF 4

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319766.0 North 5017192.8

RL GROUND: 595.5

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/03/2026

HOLE FINISHED: 13/03/2026

HOLE DEPTH: 15.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Very Weak. Breaks with hammer blows to tabular gravels. Sub-vertical foliation. Closely spaced Fractures, Gently inclined.	6	590		Joint; 80°, Rough.		UW	VW			1.30	65		Groundwater Not Encountered		
	Unweathered, White, Quartz. Strong. Closely spaced Fractures, Gently inclined.							S								
	Unweathered, Grey, Pelitic Schist. Weak. Steeply inclined foliation. Widely spaced Fractures, Gently inclined.				Joint; 85°, Rough, Clay.						1.50	77				
	6.9m - 7.0m: Very weak. Breaks with hammer blows to tabular schist gravel and clay 7.0m - 7.6m: Moderately inclined foliation	7	589					W			1.30	21				
	8.1m - 8.3m: Very weak. Breaks with hammer blows to tabular schist gravel and clay Very closely spaced Fractures, Steeply inclined.	8	588													
	Closely spaced Fractures, Gently to steeply inclined.		587								1.30	39				
	Very closely spaced Fractures, Moderately inclined.	9	586								0.40	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (15 m bgl). Standpipe Piezometer installed with screen from 10 to 15m bgl, refer to as-built diagram. No drilling mud used. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL Geotechnical, Earthquake and Dam Engineers
Engineering Geology Ltd
+64 9 486 2546
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Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD514

SHEET 3 OF 4

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319766.0 North 5017192.8

RL GROUND: 595.5

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/03/2026

HOLE FINISHED: 13/03/2026

HOLE DEPTH: 15.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Weak. Steeply inclined foliation. Very closely spaced Fractures, Moderately inclined.		585				UW	W			1.50	16		Groundwater Not Encountered		
	Closely spaced Fractures, Gently to moderately inclined. Moderately Strong. Moderately inclined foliation.	11			Joint; 48°, Rough.			MS								
			584								1.50	24				
		12														
			583													
		13									1.50	25				
	13.6m - 14.8m: Steeply inclined foliation		582													
		14														
			581		Joint; 30°, Smooth. Joint; 2°, Smooth.						0.50	54				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (15 m bgl). Standpipe Piezometer installed with screen from 10 to 15m bgl, refer to as-built diagram. No drilling mud used. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:25 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers
Engineering Geology Ltd
+64 9 486 2546
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Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD514

SHEET 4 OF 4

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319766.0 North 5017192.8

RL GROUND: 595.5

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 12/03/2026

HOLE FINISHED: 13/03/2026

HOLE DEPTH: 15.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
	EOH: 15.00 m															

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (15 m bgl). Standpipe Piezometer installed with screen from 10 to 15m bgl, refer to as-built diagram. No drilling mud used. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:25 am - Produced with Core-GS by Geroc

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD514		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD514 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 00.4m – 00.9m



Depth: 00.9m – 02.1m



Depth: 02.1m – 02.6m



Depth: 02.6m – 3.1m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD514		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD514 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 03.1m – 03.6m



Depth: 03.6m – 04.2m



Depth: 04.2m – 05.5m



Depth: 05.5m – 07.0m

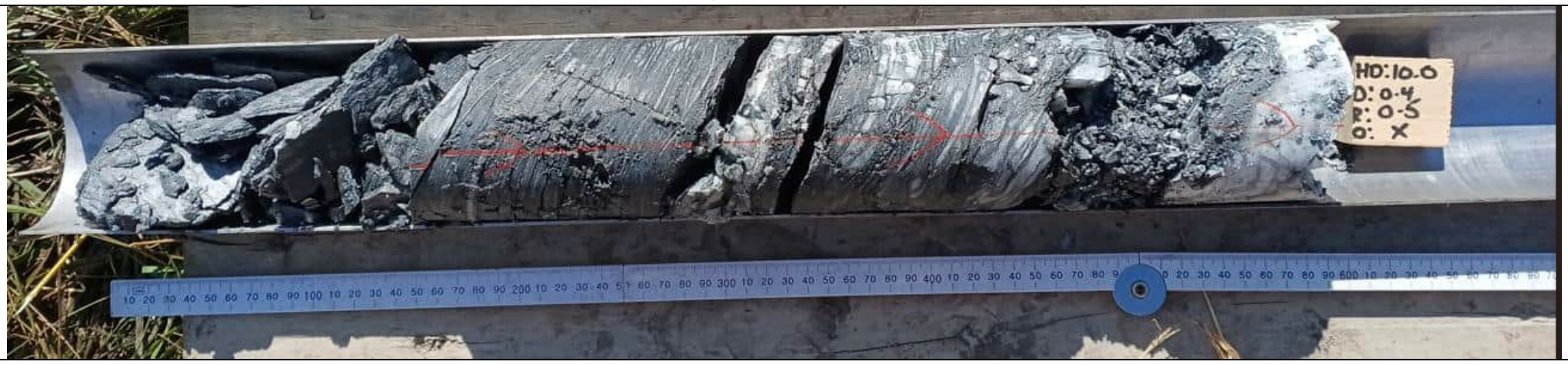


Depth: 07.0m – 08.3m

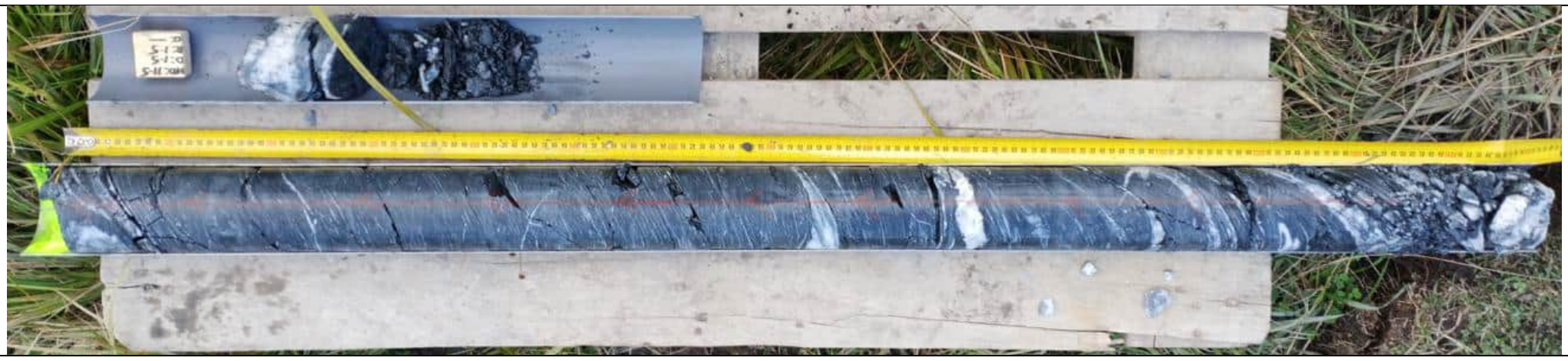
Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD514		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD514 A3 - SPLIT PHOTOGRAPHS PER RUN				



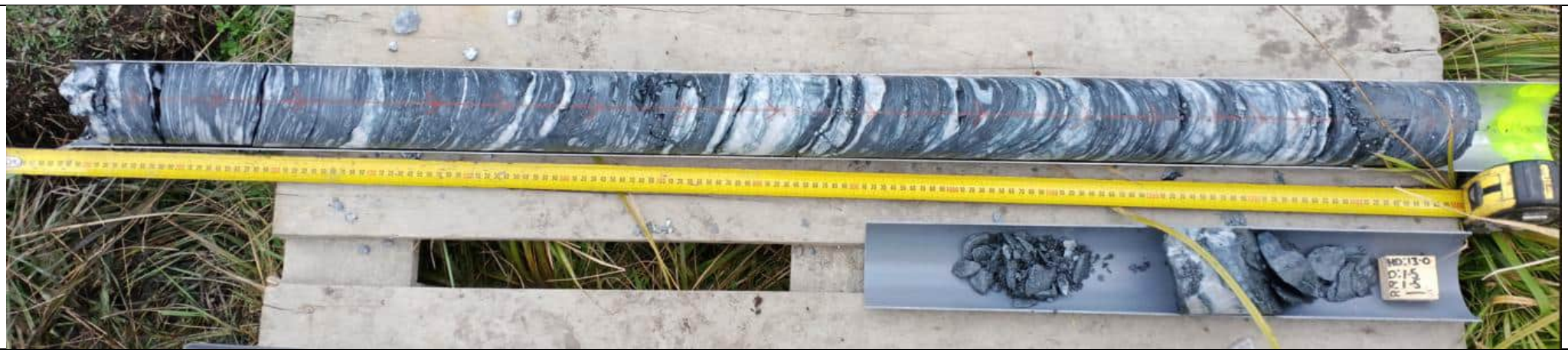
Depth: 08.3m – 09.6m



Depth: 09.6m – 10.0m



Depth: 10.0m – 11.5m

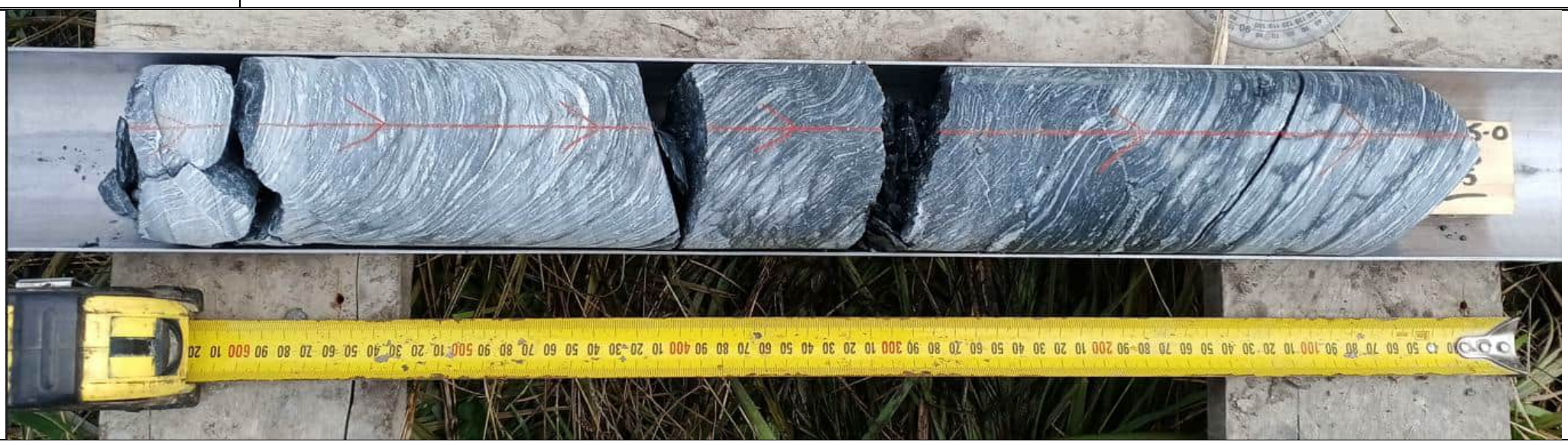


Depth: 11.5m – 13.0m



Depth: 13.0m – 14.5m

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EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD514		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD514 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 14.5m – 15.0m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL | Date: Apr 2026
Title:	MDD514 A4 – CORE BOX PHOTOGRAPHS		

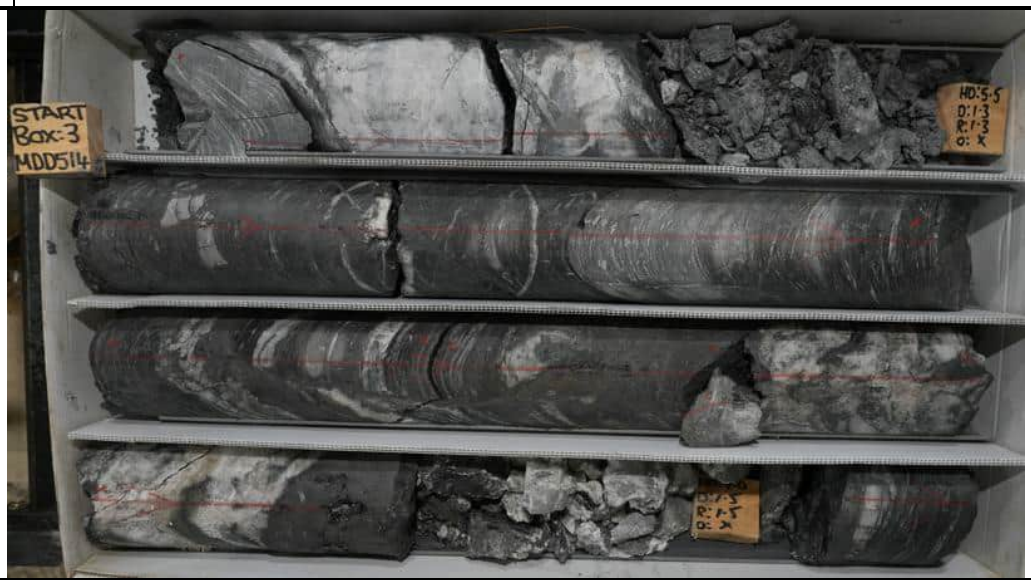


Depth: 0.0m – 3.1m

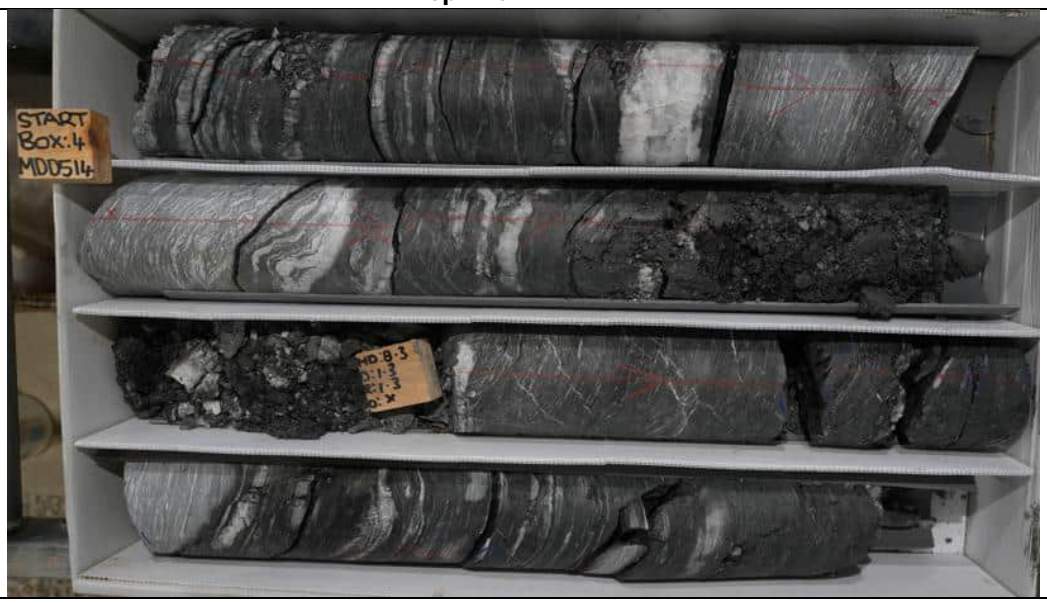


Depth: 3.10m – 5.1m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD514
		Photograph By:	MGL / Date: Apr 2026
Title:	MDD514 A4 – CORE BOX PHOTOGRAPHS		



Depth: 5.1m – 7.1m



Depth: 7.1m – 9.3m

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		Photograph By:	MGL Date: Apr 2026
Title:	MDD514 A4 – CORE BOX PHOTOGRAPHS		



Depth: 9.3m – 11.2m



Depth: 11.2m – 13.1m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL Date: Apr 2026
Title:	MDD514 A4 – CORE BOX PHOTOGRAPHS		



Depth: 11.2m – 13.1m

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ROCK LOG

DRILLHOLE No.: MDD515

SHEET 1 OF 5

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319762.2 North 5017186.0

RL GROUND: 595.4

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 14/03/2026

HOLE FINISHED: 15/03/2026

HOLE DEPTH: 21.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TS	Topsoil, organic silt. dark brown. Stiff, Moist, Low Plasticity.			TS							0.90	0				
Alluvium	Core loss.		595	C/L												
	SILT minor clay. Brown. Stiff, Dry, Low Plasticity.															
	Core loss.	1		C/L							1.50	0				
			594	C/L												
	Silty CLAY minor sand trace gravel. Sand, fine. Gravel, subrounded, fine. dark brown. Stiff, Wet, High Plasticity.															
	Gravelly CLAY minor sand. Sand, coarse. Gravel, angular and tabular highly weathered schist. greyish brown. Hard, Moist, Moderate Plasticity. Some tabular gravels have foliation	2														
			593	C/L												
	Core loss.										0.50	0				
	Gravelly CLAY minor sand. Sand, coarse. Gravel, rounded to subangular and tabular highly weathered schist. Brown and grey. Very Stiff, Moist, Moderate Plasticity. Some tabular gravels have foliation.															
	Core loss.	3		C/L												
Colluvium	COBBLE of Moderately weathered, Grey, Schist, moderately strong.		592								0.70	0				
	GRAVEL some clay and sand. Sand, fine to coarse. Gravel, fine to medium, subrounded to angular and tabular schist and quartz. Grey. Medium Dense, Moist, Non-Plastic.															
	3.2m: Wood fragment encountered.															
	Core loss.			C/L												
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Weak. Closely spaced Fractures, Gently inclined.	4	591				UW	W			0.80	31		Groundwater Not Encountered		
	Moderately Strong.							MS			1.50	34				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (21 m bgl). Standpipe Piezometer installed with screen from 15 to 21m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 15 March 2026 from 1m bgl to 20.5 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:34 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD515

SHEET 2 OF 5

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319762.2 North 5017186.0

RL GROUND: 595.4

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 14/03/2026

HOLE FINISHED: 15/03/2026

HOLE DEPTH: 21.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Moderately widely spaced Fractures, Gently inclined.	6	590		Joint; 74°, Smooth, fine sand.		UW	MS			1.50	34		Groundwater Not Encountered		
	Widely spaced Fractures, Gently inclined.	7	589		Joint; 34°, Smooth.						1.50	39				
	Moderately widely spaced Fractures, Steeply inclined.	8	588		Crush Zone; 88°, Rough, Coarse sandy clay.						1.50	70				
	Very Weak. Breaks with hammer blows to clay and tabular gravel. Closely spaced Fractures.	9	587		Joint; 48°, Smooth.			VW								
	Moderately Strong.		586					MS			1.40	34				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (21 m bgl). Standpipe Piezometer installed with screen from 15 to 21m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 15 March 2026 from 1m bgl to 20.5 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:34 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD515

SHEET 3 OF 5

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319762.2 North 5017186.0

RL GROUND: 595.4

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 14/03/2026

HOLE FINISHED: 15/03/2026

HOLE DEPTH: 21.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Moderately Strong. Closely spaced Fractures, Steeply inclined.	11	585				UW	MS			1.40	34		Groundwater Not Encountered		
	Moderately widely spaced Fractures, Moderately inclined.	12	584								1.40	59				
		13	583								1.50	71				
	Closely spaced Fractures, Moderately inclined.	14	582		Joint, Rough.						1.50	16				
	Moderately widely spaced Fractures, Moderately inclined.		581		Joint; 45°, Rough.						1.50	39				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (21 m bgl). Standpipe Piezometer installed with screen from 15 to 21m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 15 March 2026 from 1m bgl to 20.5 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:34 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD515

SHEET 4 OF 5

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319762.2 North 5017186.0

RL GROUND: 595.4

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 14/03/2026

HOLE FINISHED: 15/03/2026

HOLE DEPTH: 21.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Moderately Strong. Moderately widely spaced Fractures, Moderately inclined.	16	580								1.50	39				
		17	579								1.30	43				
	Closely spaced Fractures, Moderately inclined.		578		Crush Zone. Joint; 52°, Rough.		UW	MS						Groundwater Not Encountered		
	Moderately widely spaced Fractures, Moderately inclined.	18	577								1.50	76				
		19	576								0.70	79				
											1.30	76				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (21 m bgl). Standpipe Piezometer installed with screen from 15 to 21m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 15 March 2026 from 1m bgl to 20.5 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:34 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD515

SHEET 5 OF 5

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319762.2 North 5017186.0

RL GROUND: 595.4

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 14/03/2026

HOLE FINISHED: 15/03/2026

HOLE DEPTH: 21.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Moderately Strong. Moderately widely spaced Fractures, Moderately inclined.		575		Joint; 90°, Rough, fine tabular gravel and clay.		UW	MS			1.30	76		Groundwater Not Encountered		

EOH: 21.00 m

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (21 m bgl). Standpipe Piezometer installed with screen from 15 to 21m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 15 March 2026 from 1m bgl to 20.5 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:34 am - Produced with Core-GS by Geroc

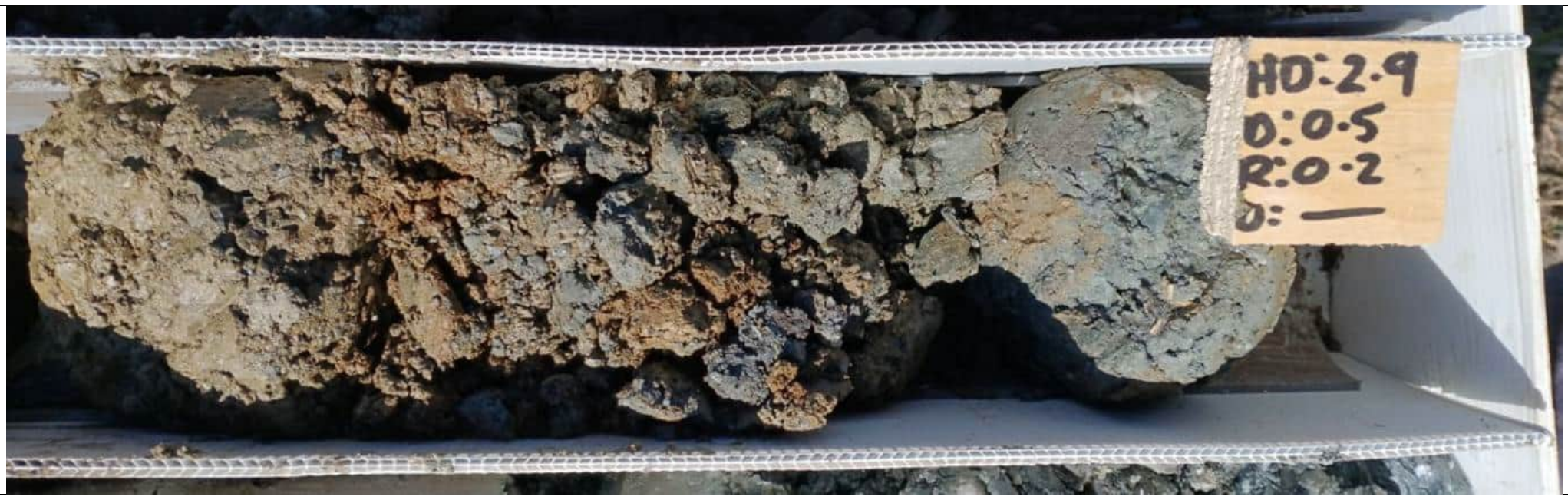
Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD515		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD515 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 0.0m – 0.9m



0.9m – 2.4m

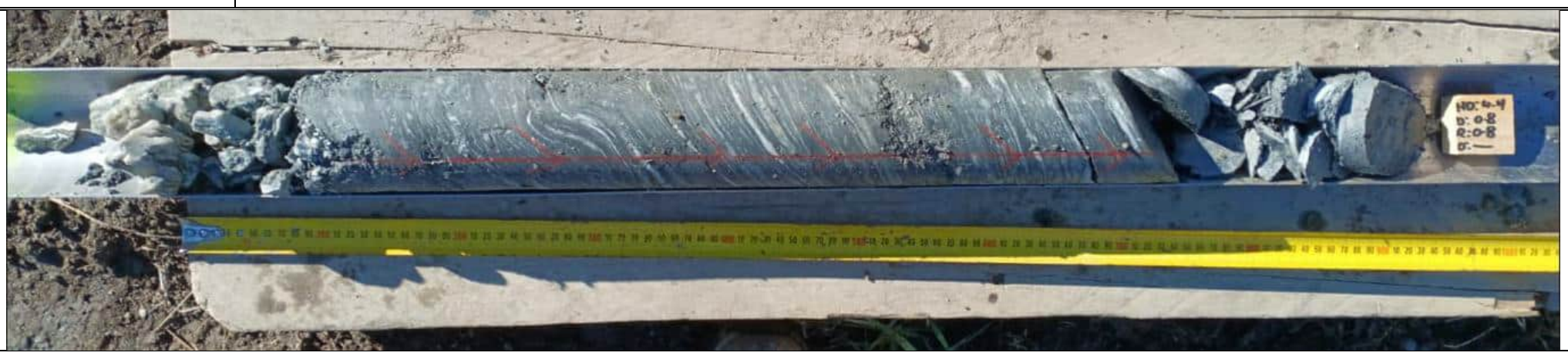


02.4m – 2.9m



2.9m – 03.6m

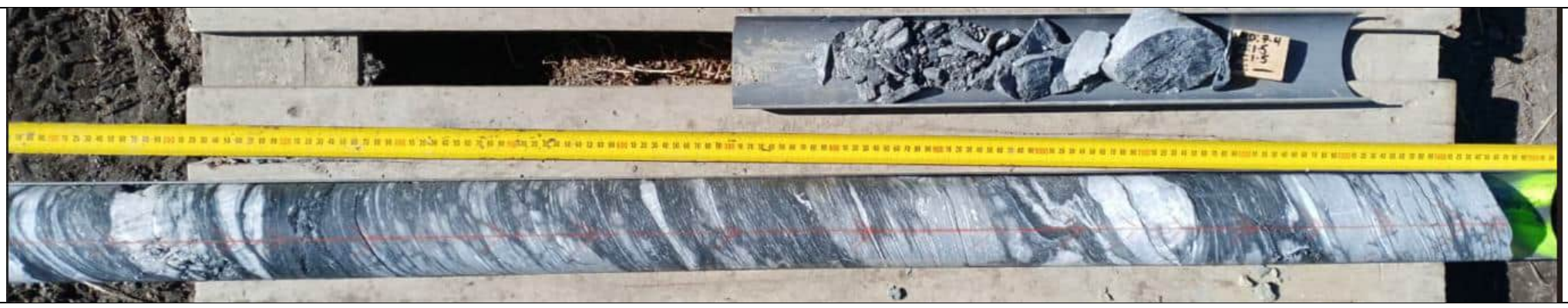
Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD515		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD515 A3 - SPLIT PHOTOGRAPHS PER RUN				



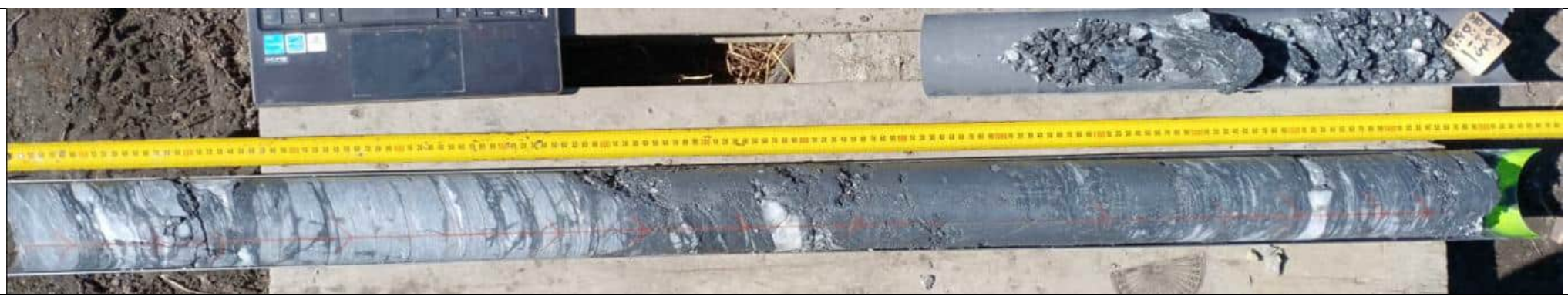
03.6m – 04.4m



04.4m – 05.9m



05.9m – 07.4m



07.4m – 08.9m



08.9m – 10.3m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD515		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD515 A3 - SPLIT PHOTOGRAPHS PER RUN				



10.3m – 11.7m



11.7m – 13.2m



13.2m – 14.7m



14.7m – 16.2m



16.2m – 17.5m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD515 A3 - SPLIT PHOTOGRAPHS PER RUN				



17.5m – 19.0m



19.0m – 19.7m



19.7m – 19.7-21m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By: MGL	Date: Apr 2026
Title:	MDD515 A4 – CORE BOX PHOTOGRAPHS		

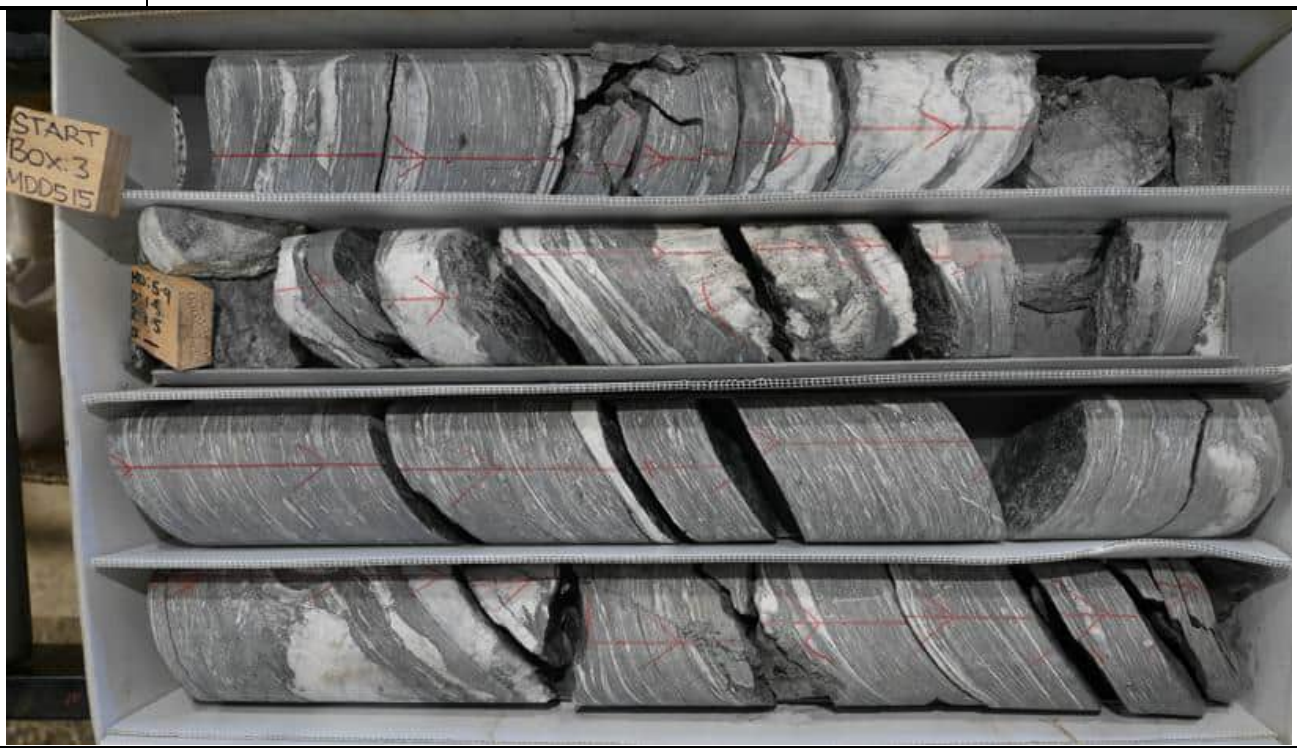


Depth: 0.0m – 3.5m



Depth: 3.5m – 5.3m

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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD515 A4 – CORE BOX PHOTOGRAPHS		



Depth: 5.3m – 7.3m

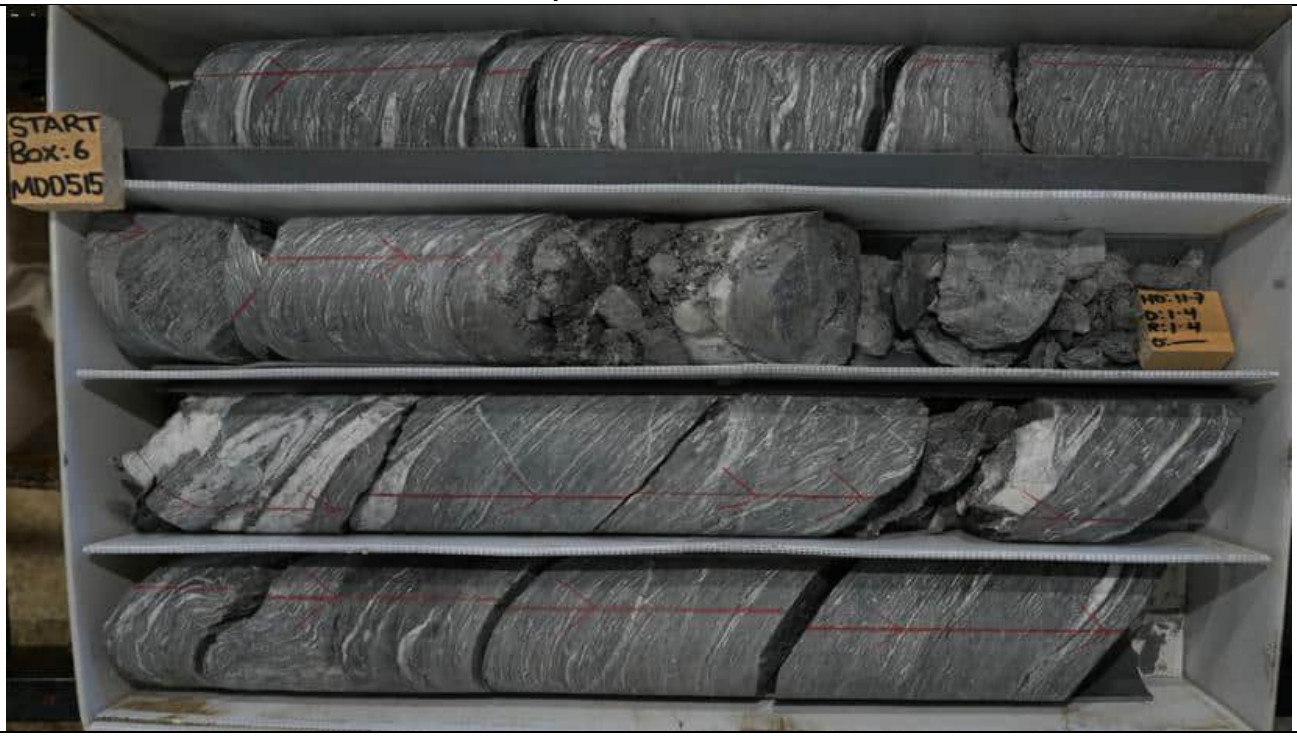


Depth: 7.3m – 8.9m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD515
		Photograph By:	MGL / Date: Apr 2026
Title:	MDD515 A4 – CORE BOX PHOTOGRAPHS		



Depth: 8.9m – 10.75m



Depth: 10.75m – 12.75m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By: MGL	Date: Apr 2026
Title:	MDD515 A4 – CORE BOX PHOTOGRAPHS		



Depth: 12.75m – 14.40m

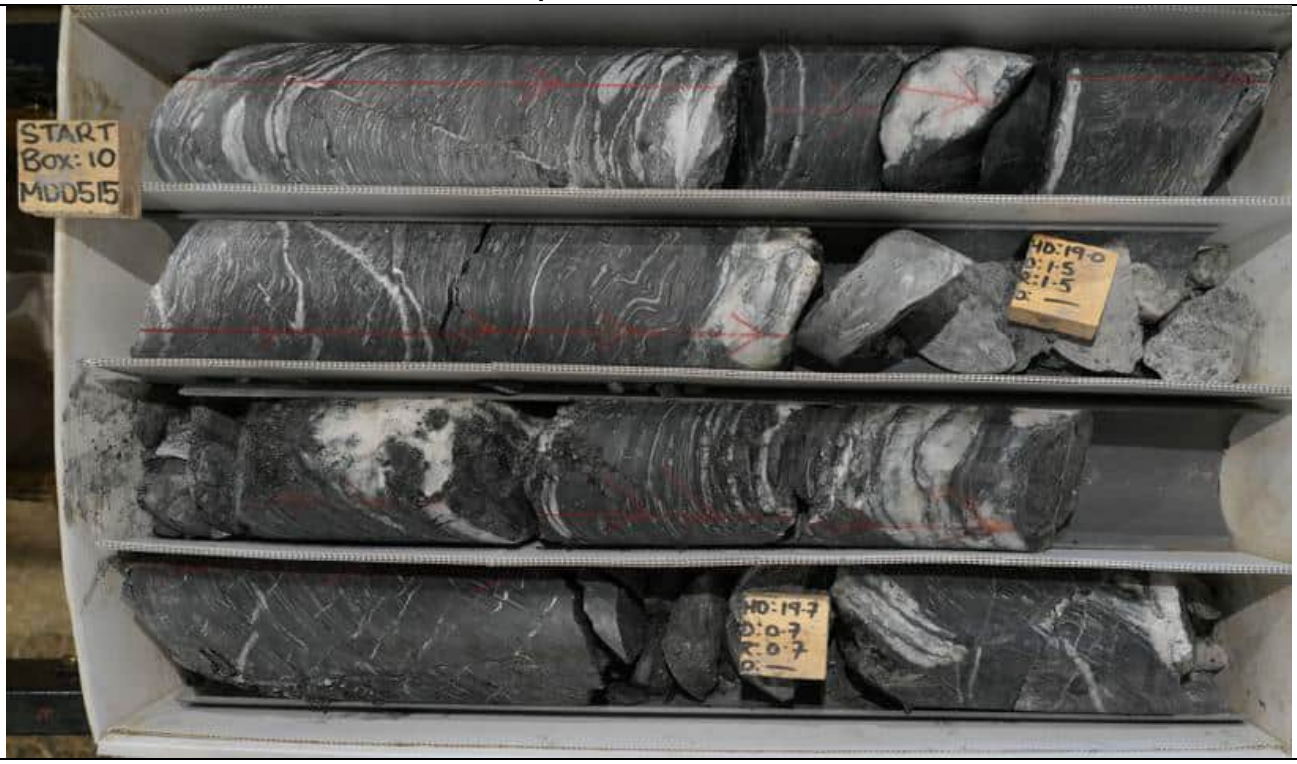


Depth: 14.40m – 16.20m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD515		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD515 A4 – CORE BOX PHOTOGRAPHS				



Depth: 16.20m – 18.10m



Depth: 18.10m – 19.90m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL | Date: Apr 2026
Title:	MDD515 A4 – CORE BOX PHOTOGRAPHS		



Depth: 19.90m – 21.00m

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ROCK LOG

DRILLHOLE No.: MDD516

SHEET 1 OF 3

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319758.3 North 5017180.7

RL GROUND: 595.0

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 17/03/2026

HOLE FINISHED: 17/03/2026

HOLE DEPTH: 10.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
Alluvium	Core loss.			C/L							1.00	0				
	SILT. Brown. Soft, Dry, Non-Plastic.															
	Silty CLAY trace sand. Sand, coarse. Brownish grey. Very Stiff, Moist, High Plasticity.	1	594													
	1.4m - 1.5m: Some gravel, fine to medium subrounded to angular highly weathered schist.										1.10	0				
	Core loss.	2	593	C/L												
	Sandy CLAY some silt minor gravel. Sand, coarse. Gravel, fine to medium, angular quartz and tabular schist. brownish grey. Very Stiff, Moist, Low Plasticity.	3	592								0.80	0				
	Core loss.			C/L							0.50	0				
TZ3 Schist	Recovered as Gravelly CLAY some sand. Sand, coarse. Gravel, fine, angular and tabular schist, trace coarse angular quartz gravel. Dark grey. Stiff, Moist, Moderate Plasticity. Interpreted as Unweathered extremely weak pelitic Schist.						UW	EW			0.60	0				
	Core loss.	4	591	C/L												
	Unweathered extremely weak pelitic Schist.				Joint; 5°, Rough, gravelly clay. Joint; 81°, Smooth, gravelly clay.			EW			1.00	22				
			590											Groundwater Not Encountered		

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (10 m bgl). Standpipe Piezometer installed with screen from 6.3 to 10.0m bgl, refer to as-built diagram. No drilling mud used.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:44 am - Produced with Core-GS by Geroc

EGL Geotechnical, Earthquake and Dam Engineers
Engineering Geology Ltd
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Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD516

SHEET 2 OF 3

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319758.3 North 5017180.7

RL GROUND: 595.0

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 17/03/2026

HOLE FINISHED: 17/03/2026

HOLE DEPTH: 10.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Core loss.			C/L							1.10	0		Groundwater Not Encountered		
	Recovered as Gravelly CLAY some sand. Sand, coarse. Gravel, fine, angular and tabular schist, trace coarse angular quartz gravel. Dark grey. Stiff, Moist, Moderate Plasticity. Interpreted as Unweathered extremely weak pelitic Schist.	6	589					EW								
	Unweathered, Dark grey, Pelitic Schist. Weak. Closely spaced Fractures, Steeply inclined.						UW									
	6.3m - 6.4m: Breaks easily along foliation.				Joint; 72°, Rough, tabular schist gravel with minor clay.			W			1.00	36				
		7	588		Crush Zone, Smooth, tabular schist gravels.											
	Core loss.			C/L												
	Unweathered, Dark grey, Pelitic Schist. Weak. Moderately widely spaced Fractures, Steeply inclined.															
	7.4m - 7.5m: Very weak. Breaks with scraper to coarse sandy clay.										1.50	49				
		8	587					W								
	Very closely spaced Fractures, Very steeply inclined to sub-vertical.															
	Very Weak. Breaks with scraper to tabular schist. Highly fractured moderately strong sections up to 90mm wide present.						UW	VW								
		9	586													
	Weak. Very closely spaced Fractures, Very steeply inclined to sub-vertical.										1.40	40				
					Joint; 8°, Smooth, gravelly clay.			W								

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (10 m bgl). Standpipe Piezometer installed with screen from 6.3 to 10.0m bgl, refer to as-built diagram. No drilling mud used.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:44 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD516

Job No.: 9702

PROJECT: BOGP
BH LOCATION: TSF
RELATIVE LOCATION: Center of Valley, at upstream side of TSF
COORDINATES: East 1319758.3 North 5017180.7

RL GROUND: 595.0
DATUM: NZVD 2016
GRID: NZTM 2000

HOLE STARTED: 17/03/2026
HOLE FINISHED: 17/03/2026
HOLE DEPTH: 10.0m
INCLINATION: Vertical
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
	EOH: 10.00 m															

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (10 m bgl). Standpipe Piezometer installed with screen from 6.3 to 10.0m bgl, refer to as-built diagram. No drilling mud used.

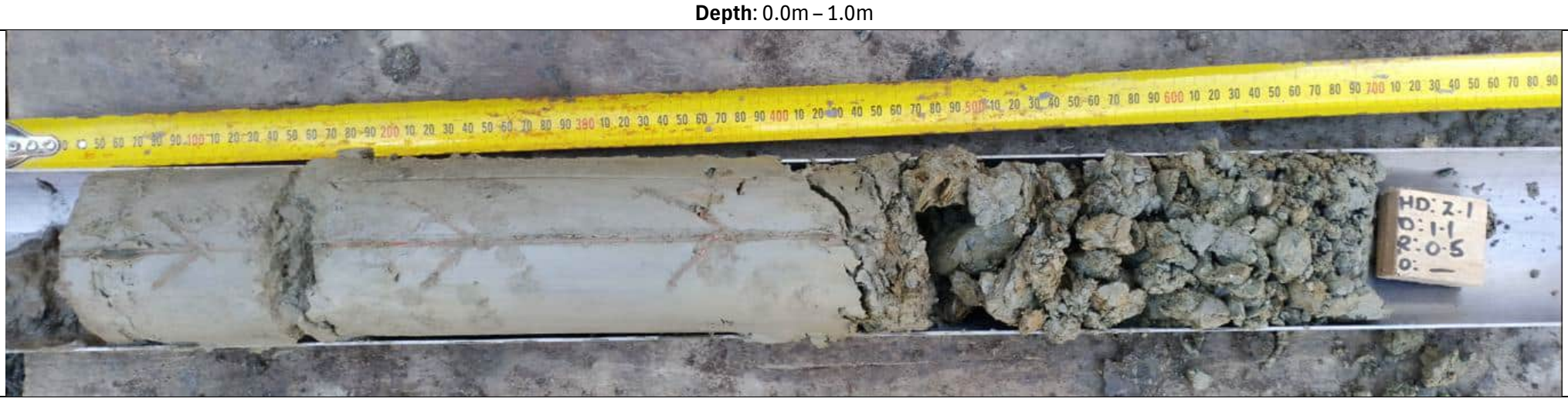
LOGGED: EGL
DRILLER: Alton Drilling
CHECKED:
DRILL TYPE:

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:44 am - Produced with Core-GS by Geroc

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD516		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD516 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 0.0m – 1.0m



Depth: 0.1m – 0.2.1m



Depth: 02.9m – 03.4m

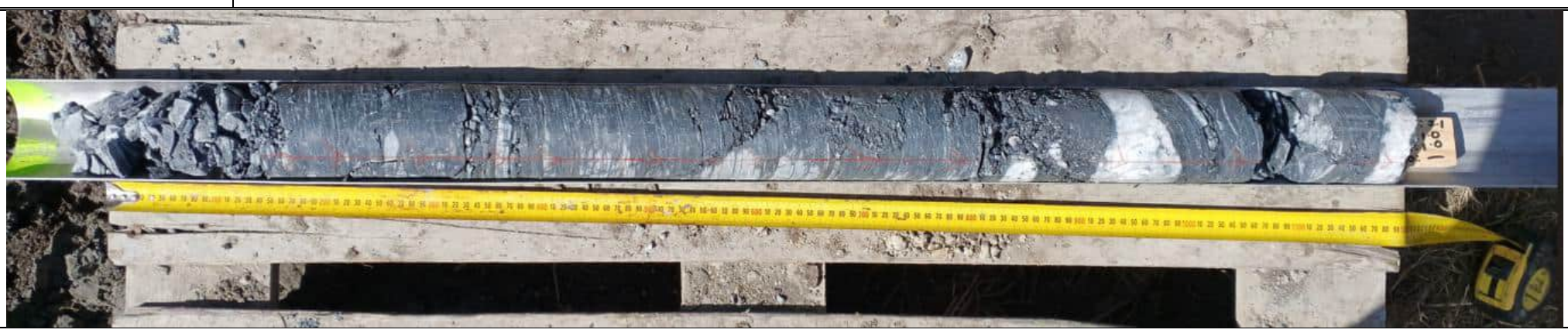


Depth: 04.0m – 05.0m



Depth: 05.0m – 06.1m

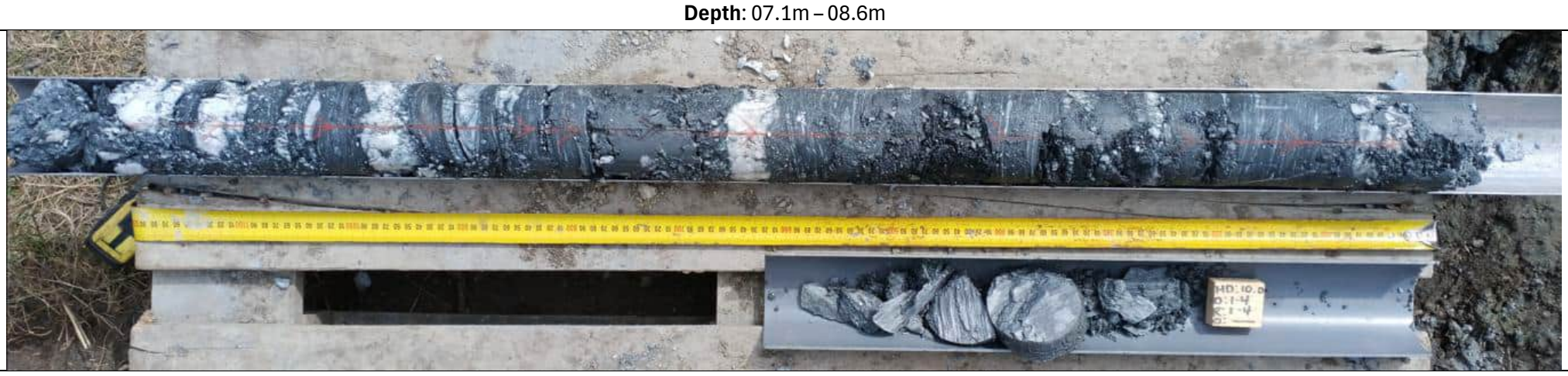
Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD516 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 06.1m – 07.1m



Depth: 07.1m – 08.6m



Depth: 08.6m – 10.0m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD516 A4 – CORE BOX PHOTOGRAPHS		



Depth: 0m – 4.1m



Depth: 4.1m – 6.7m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
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		Photograph By:	MGL / Date: Apr 2026
Title:	MDD516 A4 – CORE BOX PHOTOGRAPHS		



Depth: 6.7m – 9.2m



Depth: 9.2m – 10.0m

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ROCK LOG

DRILLHOLE No.: MDD517

SHEET 1 OF 3

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at True left upstream side of TSF

COORDINATES: East 1319741.4 North 5017158.9

RL GROUND: 594.3

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 18/03/2026

HOLE FINISHED: 18/03/2026

HOLE DEPTH: 10.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
Colluvium	Sandy SILT minor clay. Sand, fine. brown. Firm, Moist, Low Plasticity.	1	594	C/L							1.00	0				
	Core loss.															
Alluvium	CLAY some silt trace coarse sand. brown. Stiff, Wet, High Plasticity.		593								1.00	0				
	Clayey SAND some silt minor gravel. Sand, coarse. Gravel fine, subrounded to angular . brown. Loose, Moist, Non-Plastic.															
	silty CLAY minor sand. brown. Very Stiff, Moist, High Plasticity.	2														
	Sandy CLAY some silt trace wood fragments. Sand, fine. Dark brown. Stiff, Moist, High Plasticity. Pungent organic smell.										0.50	0				
	Coarse SAND and some silt and clay. brown and grey. Loose, Moist, Non-Plastic.		592													
	CLAY some silt and coarse sand. brown. Very Stiff, Moist, High Plasticity.															
	Gravelly SAND some silt. Sand, medium to coarse. Gravel, fine to medium, angular quartz and tabular schist. brownish grey. Loose, Moist, Non-Plastic.			C/L												
	Core loss.			C/L							0.90	0		Groundwater Not Encountered		
Colluvium	Recovered as medium to coarse GRAVEL, brownish grey. Loose, non-plastic. Gravels, slightly weathered, quartz and schist, weak.	3	591													
	Core loss.			C/L												
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Weak. Closely spaced Fractures, Moderately to steeply inclined.	4						W			0.80	0				
	Recovered as Gravelly CLAY. Gravel fine, tabular and angular. Grey. Firm, Moist, Moderate Plasticity. Interpreted as schist crush zone.		590													
	Unweathered, Grey, Pelitic Schist. Very Weak. Breaks down with a scraper to fine tabular gravel and clay. Very closely spaced Fractures, Moderately to steeply inclined.				Joint; 90°, Smooth, Undulating, , tabular gravel.		UW	VW			1.10	60				
	Weak.							W								

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (10 m bgl). Standpipe Piezometer installed with screen from 4.5 to 10m bgl, refer to as-built diagram. No drilling mud used.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:52 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD517

SHEET 2 OF 3

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at True left upstream side of TSF

COORDINATES: East 1319741.4 North 5017158.9

RL GROUND: 594.3

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 18/03/2026

HOLE FINISHED: 18/03/2026

HOLE DEPTH: 10.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Weak. Very closely spaced Fractures, Moderately to steeply inclined.		589	C/L			UW	W			1.10	60		Groundwater Not Encountered		
	Core loss.				Joint; 22°, Smooth, Stepped, , gravelly clay.											
	Unweathered, Grey, Pelitic Schist. Weak. Closely spaced Fractures, Gently inclined.							W								
	Very Weak. Breaks down with a scraper to fine tabular gravel and clay.	6														
	Very closely spaced Fractures, Moderately to steeply inclined.		588				UW	VW			1.50	50				
	Core loss.	7		C/L												
			587	C/L												
	Unweathered, Grey, Pelitic Schist. Very Weak. Breaks down by hand to fine angular gravel and clay. Very closely spaced Fractures, Moderately to steeply inclined.										1.50	38				
		8	586					VW								
	Weak.							W			1.50	45				
	Very Weak.	9			Joint; 2°, Rough, Stepped, , gravelly clay.		UW									
			585					VW								
	Core loss.			C/L							0.20	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (10 m bgl). Standpipe Piezometer installed with screen from 4.5 to 10m bgl, refer to as-built diagram. No drilling mud used.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL Geotechnical, Earthquake and Dam Engineers
Engineering Geology Ltd
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info@egl.co.nz
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ROCK LOG

DRILLHOLE No.: MDD517

SHEET 3 OF 3

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at True left upstream side of TSF

COORDINATES: East 1319741.4 North 5017158.9

RL GROUND: 594.3

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 18/03/2026

HOLE FINISHED: 18/03/2026

HOLE DEPTH: 10.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
	EOH: 10.00 m															

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (10 m bgl). Standpipe Piezometer installed with screen from 4.5 to 10m bgl, refer to as-built diagram. No drilling mud used.

LOGGED: EGL

DRILLER: Alton Drilling

CHECKED:

DRILL TYPE:

EGL - Rock Log v8 (TSF) - 28/05/2026 11:56:52 am - Produced with Core-GS by Geroc

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD517		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD517 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 0.0m – 01.0m



Depth: 01.0m – 02.0m



Depth: 02.0m – 02.5m



Depth: 02.5m – 03.4m

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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD517 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 03.4m – 04.2m



Depth: 04.2m – 05.3m



Depth: 05.3m – 06.8m



Depth: 06.8m – 08.3m



Depth: 08.3m – 09.8m

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		Photograph By: MGL	Date: Apr 2026
Title:	MDD517 A4 – CORE BOX PHOTOGRAPHS		



Depth: 0.0m – 2.0m



Depth: 2.0m – 4.65m

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EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD517
		Photograph By: MGL	Date: Apr 2026
Title:	MDD517 A4 – CORE BOX PHOTOGRAPHS		



Depth: 4.65m – 6.80m



Depth: 6.80m – 10.0m

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ROCK LOG

DRILLHOLE No.: MDD518

SHEET 1 OF 3

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at True left upstream side of TSF

COORDINATES: East 1319747.2 North 5017155.9

RL GROUND: 594.8

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 19/03/2026

HOLE FINISHED: 21/03/2026

HOLE DEPTH: 14.3m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
	Core loss.			C/L												
Alluvium	Clayey SILT minor fine sand. Brown. Firm, Moist, Moderate Plasticity.		594								1.00	0				
Alluvium	Silty CLAY trace fine sand. Brown. Stiff, Moist, High Plasticity.	1									0.60	0				
Colluvium	Silty GRAVEL some sand. Sand, fine to medium. Gravel, fine, angular quartz and moderately weathered schist. Brown, white and orange. Medium Dense, Moist, Non-Plastic.		593								1.20	0				
Colluvium	Silty SAND some gravel minor clay. Sand, fine to medium. Gravel, fine, subrounded to subangular, quartz and highly weathered schist. Brown. Stiff, Moist, Low Plasticity.	2														
Colluvium	Core loss.		592	C/L												
Colluvium	Medium SAND minor gravel. Gravel, fine, angular, highly weathered schist. Brownish grey. Medium Dense, Moist, Non-Plastic.	3									0.40	0				
Colluvium	Core loss.			C/L							0.60	0				
TZ3 Schist	Recovered as Gravelly CLAY some sand and silt. Sand, fine to coarse. Gravel, fine, subrounded to angular, quartz and tabular schist. Grey. Medium Dense, Moist, Low Plasticity. Interpreted as unweathered extremely weak pelitic schist.		591				UW	EW								
TZ3 Schist	Core loss.	4		C/L												
TZ3 Schist	Highly weathered, Grey, Pelitic Schist. Weak.						UW	W			1.50	43				
TZ3 Schist	Recovered as CLAY some sand. Sand, coarse. Grey. Very Stiff, Moist, High Plasticity. Interpreted as unweathered extremely weak pelitic schist.							EW								
TZ3 Schist	Unweathered, White and grey, Quartz. Strong.							S								
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Extremely Weak. Breaks down with a scraper to sand and clay.		590					EW								

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (14.3 m bgl). Standpipe Piezometer installed with screen from 10 to 14.3m bgl, refer to as-built diagram. No drilling mud used during advancing the drill bit.

LOGGED: EGL

DRILLER: Alton Drilling

CHECKED:

DRILL TYPE:

EGL - Rock Log v8 (TSF) - 28/05/2026 11:57:01 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD518

SHEET 2 OF 3

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at True left upstream side of TSF

COORDINATES: East 1319747.2 North 5017155.9

RL GROUND: 594.8

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 19/03/2026

HOLE FINISHED: 21/03/2026

HOLE DEPTH: 14.3m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Extremely Weak. Breaks down with a scraper to sand and clay.	6	589				UW	EW			1.50	43		Groundwater Not Encountered		
	Weak. Closely spaced Fractures, Gently inclined.	7	588					W			0.60	53				
	Very closely spaced Fractures, Moderately to steeply inclined.	8	587								1.20	14				
	Extremely Weak. Breaks down with a scraper to sand and clay.	9	586					EW			1.20	43				
	Weak.							W								
	Moderately Strong. Very closely spaced Fractures, Moderately inclined.		585					MS			1.50	39				
	Core loss.			C/L							0.50	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (14.3 m bgl). Standpipe Piezometer installed with screen from 10 to 14.3m bgl, refer to as-built diagram. No drilling mud used during advancing the drill bit.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:57:02 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD518

SHEET 3 OF 3

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at True left upstream side of TSF

COORDINATES: East 1319747.2 North 5017155.9

RL GROUND: 594.8

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 19/03/2026

HOLE FINISHED: 21/03/2026

HOLE DEPTH: 14.3m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Core loss.			C/L			UW	W			0.50	0		Groundwater Not Encountered		
	Unweathered, Grey, Pelitic Schist. Weak.		584								0.50	0				
	Very Weak. Breaks down with blows to fine tabular schist gravel.	11									0.50	0				
			583								0.50	50				
		12						VW			0.70	36				
			582								0.20	0				
		13									0.50	0				
	Core loss.			C/L							0.50	0				
			581	C/L												
		14		C/L							0.60	0				

EOH: 14.30 m

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (14.3 m bgl). Standpipe Piezometer installed with screen from 10 to 14.3m bgl, refer to as-built diagram. No drilling mud used during advancing the drill bit.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:57:02 am - Produced with Core-GS by Geroc

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD518		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD518 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 0.0m – 1.0m



Depth: 01.0m – 1.6m



Depth: 01.6m – 02.4m

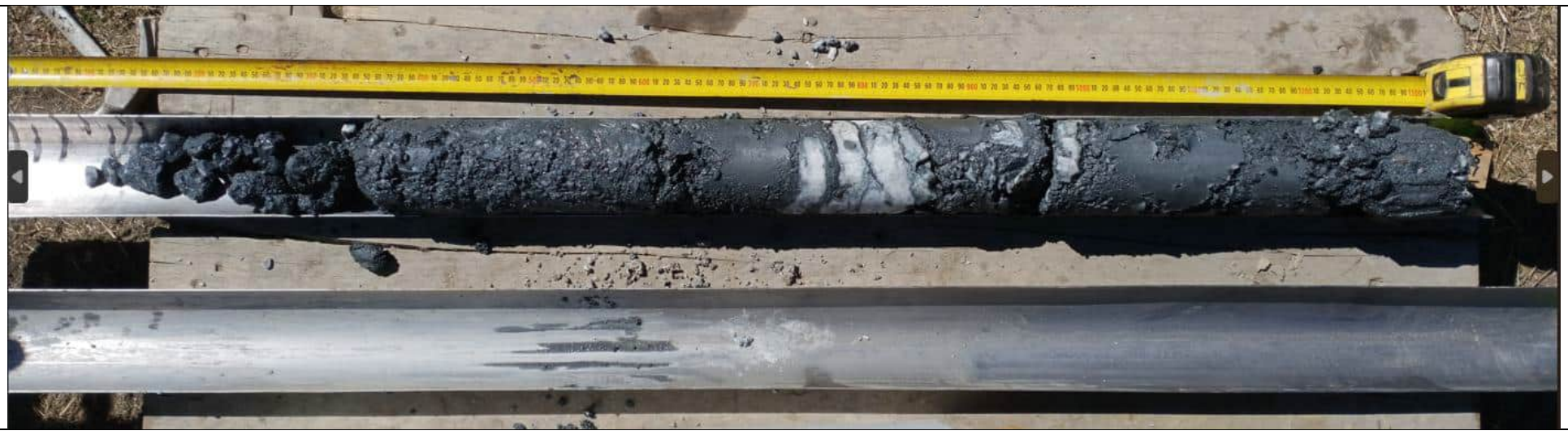


Depth: 02.4m – 03.2m

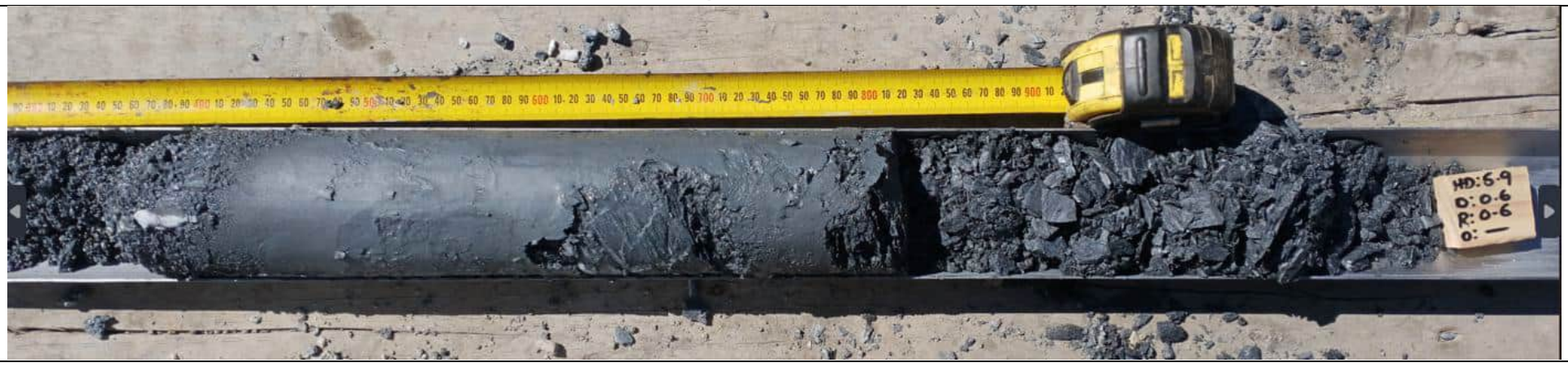
Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD518		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD518 A3 - SPLIT PHOTOGRAPHS PER RUN				



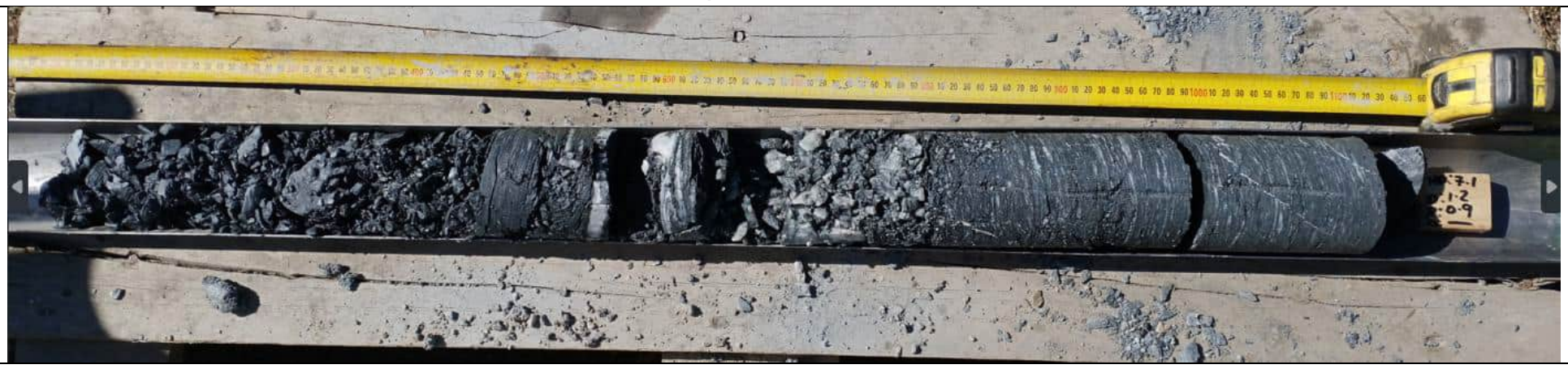
Depth: 03.2m – 03.8m



Depth: 03.8m – 05.3m

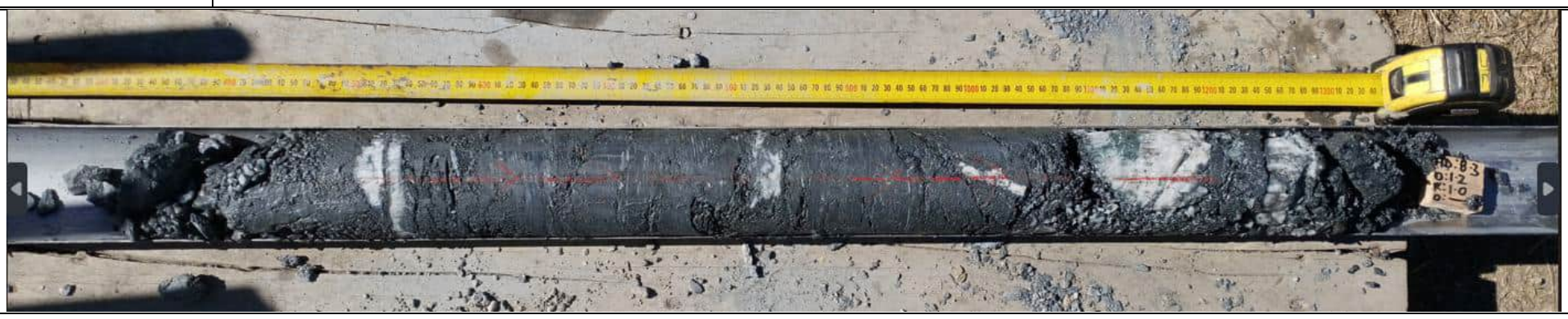


Depth: 05.3m – 05.9m



Depth: 05.9m – 07.1m

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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD518 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 07.1m – 08.3m



Depth: 08.3m – 09.8m



Depth: 9.8m – 10.3m



Depth: 10.3m – 10.8m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD518 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 10.8m – 11.3m



Depth: 11.3m – 11.8m



Depth: 11.8m – 12.5m



Depth: 12.5m – 13.2m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD518 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 13.2m – 13.7m

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		Photograph By:	MGL	Date: Apr 2026
Title:	MDD518 A4 – CORE BOX PHOTOGRAPHS			



Depth: 0.0m – 3.8m



Depth: 3.8m – 6.6m

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		Photograph By: MGL	Date: Apr 2026
Title:	MDD518 A4 – CORE BOX PHOTOGRAPHS		



Depth: 6.6m – 9.2m



Depth: 9.2m – 11.8m

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		Photograph By:	MGL / Date: Apr 2026
Title:	**MDD518 A4 – CORE BOX PHOTOGRAPHS**		



Depth: 11.8m – 14.3m

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ROCK LOG

DRILLHOLE No.: MDD519

SHEET 1 OF 5

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319755.0 North 5017176.0

RL GROUND: 594.8

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 22/03/2026

HOLE FINISHED: 23/03/2026

HOLE DEPTH: 21.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TS	Topsoil, organic silt. dark brown. Stiff, Dry, Non-Plastic.			TS												
Colluvium	Sandy SILT. Sand, fine. brown. Stiff, Dry, Non-Plastic.		594								1.00	0				
Paleosol	Topsoil, organic clay. dark brown. Very Stiff, Moist, High Plasticity.	1		TS							0.70	0				
Colluvium	Core loss.		593	C/L							1.00	0				
	Sandy SILT some gravel. Sand, fine to coarse. Gravel, fine, subrounded schist. Brown. Stiff, Moist, Non-Plastic.	2	592								0.50	0				
	Sandy GRAVEL. Sand, medium to coarse. Gravel, fine, subrounded to angular, schist. Grey. Medium Dense, Moist, Non-Plastic.	3									0.20	0				
Alluvium	CLAY some silt. grey. Very Stiff, Wet, High Plasticity. slightly sensitive		591								0.60	0				
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Extremely Weak. Breaks down in hand to clay and sand.	4					UW	EW								
	Core loss.			C/L							1.40	28				
	Unweathered, Grey, Pelitic Schist. Very Weak.		590				UW	VW						Groundwater Not Encountered		

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (21 m bgl). Standpipe Piezometer installed with screen from 14.3 to 21m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 23 March 2026 from 1m bgl to 19.3 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:57:11 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD519

SHEET 2 OF 5

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319755.0 North 5017176.0

RL GROUND: 594.8

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 22/03/2026

HOLE FINISHED: 23/03/2026

HOLE DEPTH: 21.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Very Weak.	6	589		Joint; 74°, Smooth, clean.		UW	VW			1.40	28				
	Recovered as SAND, fine to coarse. Grey. Dense, Moist, Non-Plastic. Interpeted as drilling cuttings.										0.70	0				
	Unweathered, Grey, Pelitic Schist. Very Weak.	7	588		Crush Zone, Smooth.			VW			0.90	0				
	Weak. Very closely spaced Fractures.	8	587				UW	W			1.40	0		Groundwater Not Encountered		
		9	586								0.80	21				
	Closely spaced Fractures, Moderately to steeply inclined.		585								1.00	29				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (21 m bgl). Standpipe Piezometer installed with screen from 14.3 to 21m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 23 March 2026 from 1m bgl to 19.3 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:57:11 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD519

SHEET 3 OF 5

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319755.0 North 5017176.0

RL GROUND: 594.8

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 22/03/2026

HOLE FINISHED: 23/03/2026

HOLE DEPTH: 21.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Weak. Closely spaced Fractures, Moderately to steeply inclined.	11	584		Crush Zone; 24°, Rough, densely packed gravel, can't separate by hand.		UW	W			1.00	29		Groundwater Not Encountered		
	Core loss.	12	583	C/L C C/L C							1.50	63				
	Unweathered, Grey, Pelitic Schist. Weak.	13	582		Joint; 50°, Rough.			W			1.50	11				
	Extremely Weak. Breaks down with a scraper to clay and sand.	14	581		Joint; 81°, Smooth, sandy clay.		UW	EW			0.60	73				
	Weak.		580					W			1.10	36				
											1.20	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (21 m bgl). Standpipe Piezometer installed with screen from 14.3 to 21m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 23 March 2026 from 1m bgl to 19.3 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:57:11 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD519

SHEET 4 OF 5

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319755.0 North 5017176.0

RL GROUND: 594.8

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 22/03/2026

HOLE FINISHED: 23/03/2026

HOLE DEPTH: 21.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Weak.			C/L			UW	W			1.20	0				
	Core loss.			C/L												
			579	C/L												
		16		C/L												
				C/L												
	Unweathered, Grey, Pelitic Schist. Weak.										0.50	0				
	16.4m - 16.6m: Recovered as rock fragments.		578					W			1.00	0				
		17														
	Moderately Strong.		577													
		18					UW	MS			1.60	26				
			576		Crush Zone; 4°, Rough, densely packed gravel with minor clay, can't separate by hand. Joint; 88°, Rough, clay.											
		19														
	Extremely Weak. Breaks in hand to gravelly CLAY.							EW			1.20	33				
	Moderately Strong.		575					MS								

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (21 m bgl). Standpipe Piezometer installed with screen from 14.3 to 21m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 23 March 2026 from 1m bgl to 19.3 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:57:11 am - Produced with Core-GS by Geroc

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Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD519

SHEET 5 OF 5

Job No.: 9702

PROJECT: BOGP

BH LOCATION: TSF

RELATIVE LOCATION: Center of Valley, at upstream side of TSF

COORDINATES: East 1319755.0 North 5017176.0

RL GROUND: 594.8

DATUM: NZVD 2016

GRID: NZTM 2000

HOLE STARTED: 22/03/2026

HOLE FINISHED: 23/03/2026

HOLE DEPTH: 21.0m

INCLINATION: Vertical

ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey, Pelitic Schist. Moderately Strong.		574		Joint; 78°, Smooth, Clay.		UW	MS			1.20 0.60	33 0		Groundwater Not Encountered		

EOH: 21.00 m

NOTES: Coordinates and elevation obtained from MGL site surveyor. Logged to NZGS guidelines (2005.) Angles are measured from horizontal. Target depth reached (21 m bgl). Standpipe Piezometer installed with screen from 14.3 to 21m bgl, refer to as-built diagram. No drilling mud used. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 23 March 2026 from 1m bgl to 19.3 m bgl. Boxed core stored at MGL depot.

LOGGED: EGL **DRILLER:** Alton Drilling

CHECKED: **DRILL TYPE:**

EGL - Rock Log v8 (TSF) - 28/05/2026 11:57:11 am - Produced with Core-GS by Geroc

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD519		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD519 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 0.0m – 01.0m



Depth: 0.1m – 01.7m



Depth: 01.7m – 02.7m



Depth: 02.7m – 03.2m

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		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD519 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 03.2m – 03.4m



Depth: 03.4m – 04.0m



Depth: 04.0m – 05.4m



Depth: 05.4m – 06.1m

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Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD519		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD519 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 06.1m – 07.0m



Depth: 07.0m – 08.4m



Depth: 08.4m – 09.2m



Depth: 09.2m – 10.2m



Depth: 10.2m – 11.7m

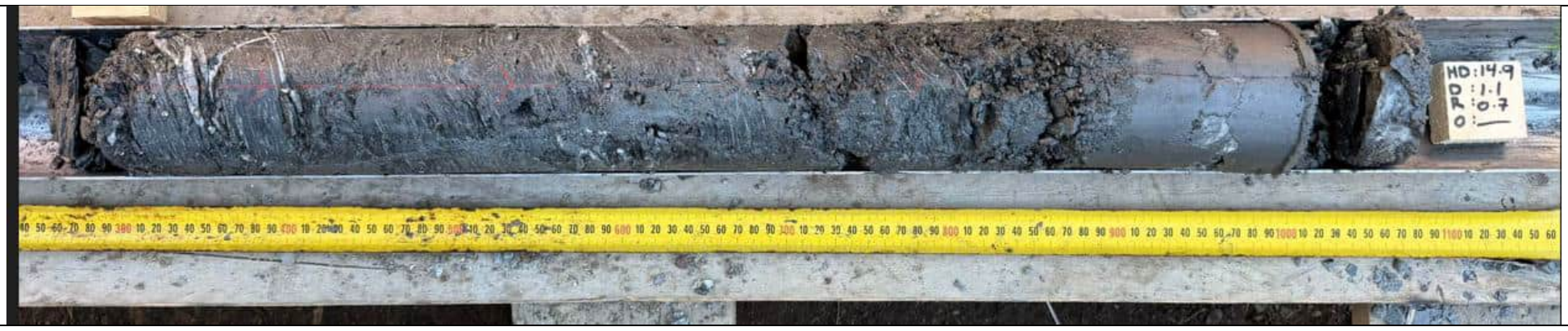
Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD519		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD519 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 11.7m – 13.2m



Depth: 13.2m – 13.8m



Depth: 13.8m – 14.9m



Depth: 14.9m – 16.1m



Depth: 16.1m – 16.5m

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EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD519		
		Photograph By:	MGL	Date:	Apr 2026
Title:	MDD519 A3 - SPLIT PHOTOGRAPHS PER RUN				



Depth: 16.5m – 17.6m



Depth: 17.6m – 19.2m



Depth: 19.2m – 20.4m



Depth: 20.4m – 21.0m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD519
		Photograph By:	MGL / Date: Apr 2026
Title:	MDD519 A4 – CORE BOX PHOTOGRAPHS		



Depth: 0.0m – 3.2m



Depth: 3.2m – 5.4m

Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD519
		Photograph By:	MGL / Date: Apr 2026
Title:	MDD519 A4 – CORE BOX PHOTOGRAPHS		



Depth: 5.4m – 7.75m



Depth: 7.75m – 10.2m

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EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD519
		Photograph By:	MGL / Date: Apr 2026
Title:	MDD519 A4 – CORE BOX PHOTOGRAPHS		



Depth: 10.2m – 12.0m



Depth: 12.0m – 14.30m

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EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD519
		Photograph By: MGL	Date: Apr 2026
Title:	MDD519 A4 – CORE BOX PHOTOGRAPHS		



Depth: 14.3m – 17.7m



Depth: 17.7m – 20.4m

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EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD519
		Photograph By:	MGL **Date:** Apr 2026
Title:	**MDD519 A4 – CORE BOX PHOTOGRAPHS**		



Depth: 20.4m – 21.0m

FEATURE 1 BOREHOLES

MDD491, MDD493

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 1 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
Colluvium/Slope wash	CLAY trace fine gravel, brown. gravel, fine, subangular highly weathered schist, very weak.										0.30	0				
	Gravelly CLAY, brown. gravel, fine to coarse, angular to subangular, tabular, highly weathered schist, weak.										0.20	0				
	GRAVELS and COBBLES, brown. Gravels, medium to coarse. Cobbles up to 50mm thick, 80mm diameter core. Material is highly weathered, weak schist.	1	743								0.20	0				
								MS			0.10	0				
											0.20	0				
	SAND minor gravel, brown. Sand, fine to coarse, tabular. Gravel, fine, subangular highly weathered schist, very weak.										0.10	0				
	Core loss			C/L							0.20	0				
		2	742	C/L							0.30	0				
	clayey SAND some gravel , brown. Redrilled material. Sand, fine to coarse, tabular. Gravel, fine to coarse, subangular highly weathered schist, very weak.										0.20	0				
	Gravelly SAND some clay, brown. Sand, fine to coarse, tabular. Gravel, fine, subangular highly weathered schist, very weak.										0.10	0				
TZ3 Schist	COBBLES some sand and gravel, brown. Sand, coarse. Gravels, fine to coarse. Cobbles up to 50mm thick, 80mm diameter core. Material is highly weathered, weak schist.						RS				0.20	0				
	Core loss			C/L							0.10	0				
		3	741	C/L							0.20	0				
				C/L							0.20	0				
	COBBLES some sand and gravel minor clay, brown. Sand, coarse. Gravels, fine to coarse. Cobbles up to 50mm thick, 80mm diameter core. Material is highly weathered, weak schist.										0.25	0				
											0.25	0				
	Gravelly SILT, gravel, fine to coarse angular schist, Brown. Medium Dense, Wet, Moderate Plasticity.							EW			0.35	0				
		4	740								0.35	0				
	Gravelly CLAY some sand, brown. Sand, fine to coarse. gravel, fine to coarse, angular to subangular, tabular, highly weathered schist, weak.										0.45	0				
	Gravelly SILT, gravel, fine to coarse angular schist, Brown. Medium Dense, Moist, Moderate Plasticity.										0.55	0		Groundwater Not Encountered		

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 2 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	GRAVELS minor cobbles and sand, minor clay, brown. Sand, coarse. Gravels, fine to coarse. Cobbles up to 50mm thick, 80mm diameter core. Material is highly weathered, weak schist.	6	739		Joint; α70° , Rough, Undulating, parallel to foliation. Brown on surface. brown, Clay/Sand, weak, wet. sticky .		RS	EW			0.55	0		Groundwater Not Encountered		
	5.4m - 5.7m: large qtz cobble 120mm across, Brown. Loose, Moist, Low Plasticity.										0.25	0				
	5.7m - 5.7m: Cobble of quartz vein rich schist, strong										0.30	0				
	6.0m - 6.3m: occasional cobble of tz3 dense with silt, Brown. Hard, Moist, Moderate Plasticity.	7	738								0.30	0				
	6.5m - 6.6m: Cobble of highly weathered schist, moderately strong										0.40	0				
	6.9m - 7.1m: Cobble of highly weathered schist, moderately strong	8	737								0.25	0				
	7.4m - 7.7m: Boulder of highly weathered schist, moderately strong										0.30	0				
	Gravelly CLAY some sand, brown. Sand, coarse. Gravels, fine to coarse. Material is highly weathered, weak schist.	9	736					MS			0.60	26				
								W			0.80	0				
			735					VW			0.20	0				
											0.40	50				
											0.55	0				
											0.70	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 3 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Gravelly CLAY some sand, brown. Sand, coarse. Gravels, fine to coarse. Material is highly weathered, weak schist.		734		Shear Zone, Rough, Planar, NA complex/mixed foliation. Brown on surface. brown, Clay/Sand, weak, wet. greasy and sticky .		RS	VW			0.70	0		Groundwater Not Encountered		
	11.0m - 11.2m: Cobble of highly weathered schist, moderately strong	11									0.15	0				
			733								0.20	0				
											0.80	0				
											0.10	0				
		12									0.35	0				
								W			0.10	0				
			732								0.30	0				
											0.10	0				
											0.20	0				
	12.9m - 13.0m: Boulder of highly weathered schist, moderately strong	13						MS			0.30	50				
								W			0.20	0				
					Shear Zone, Rough, Planar, NA complex/mixed foliation. Brown on surface. brown, Clay/Sand, weak, wet. greasy and sticky .						0.35	0				
			731								0.80	0				
		14														
	14.6m - 14.8m: completely weathered, extremely weak, Quartz vein, breaks down in hand to a medium to coarse sand		730								0.80	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 4 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Gravelly CLAY some sand, brown. Sand, coarse. Gravels, fine to coarse. Material is highly weathered, weak schist.						RS				0.80	0				
	Highly weathered, brown Psammitic TZ3 Schist. Weak. competent tz3, uniformed foliation with minor deformation. Very closely spaced Fractures		729		Joint; α30°, Rough, Undulating, parallel to foliation. Brown on surface. brown, Rock Frag/Clay, weak, wet. .						0.60	16				
		16					HW	MS			0.45	0				
											0.55	72				
	Highly weathered, brown Psammitic TZ3 Schist. Moderately Strong.broken bladed tz3 with rounded gravel 10mm. Very closely spaced Fractures		728				HW				0.10	0				
	Highly weathered, brown Psammitic TZ3 Schist. Extremely Weak. Breaks down with scraping tool to fine sandy clay. Very closely spaced Fractures	17			Shear Zone, Smooth, NA complex/mixed foliation. Brown on surface. brown, Clay/Sand, very weak, moist. greasy easy to mold .		HW				0.70	0		Groundwater Not Encountered		
	Highly weathered, brown Psammitic TZ3 Schist. Rock fragments only.						HW	W			0.20	0				
	Highly weathered, brown Psammitic TZ3 Schist. Extremely Weak. Breaks down with scraping tool to coarse sandy clay. Closely spaced Fractures		727		Shear Zone, Smooth, NA complex/mixed foliation. Brown on surface. brown, Clay/Sand, very weak, moist. greasy easy to mold .											
		18					HW				0.65	0				
	Highly weathered, brown Psammitic TZ3 Schist. Very Weak. competent tz3, uniformed foliation with minor deformation. Closely spaced Fractures							MS			1.10	81				
		19	726				HW									
	Gravelly SAND some clay, brown. Sand, fine to coarse, tabular. Gravel, fine, subangular highly weathered schist, very weak. shear zone, fine grounded rock fragments with clay infill.				Shear Zone, Rough, NA complex/mixed foliation. Brown on surface. brown, Rock Frag/Clay, very weak, moist. sticky and rough, moderately easy to mold .		CW	W			0.25	0				
											0.35	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 5 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Gravelly SAND some clay, brown. Sand, fine to coarse, tabular. Gravel, fine, subangular highly weathered schist, very weak. shear zone, fine grounded rock fragments with clay infill.	21	725				CW				0.35	0				
	Highly weathered, Green Psammitic TZ3 Schist. Weak. Closely spaced Fractures						HW									
	Highly weathered, brown Psammitic TZ3 Schist. Very Weak. clay infill present between foliation. Closely spaced Fractures 20.3m - 20.4m: Quartz, strong. 20.7m - 20.8m: dark grey, fine sandy CLAY.				Shear Zone, Rough, NA complex/mixed foliation. Brown on surface. brown, clay/rock frag, very weak, moist. sticky and rough, moderately easy to mold .			W			1.15	39				
		22	724				HW				0.80	25				
	Highly weathered, Grey Psammitic TZ3 Schist. Extremely Weak. puggy clay zone no weathering present. Closely spaced Fractures		723		Shear Zone, Rough, NA complex/mixed foliation. Grey on surface. Grey, clay/rock frag, very weak, moist. sticky and rough, moderately easy to mold .		HW	VW			0.70	100				
		23	722								0.50	40				
	Moderately weathered, Grey Psammitic TZ3 Schist. Extremely Weak. Closely spaced Fractures						MW	MS			0.65	61				
		24	721		Joint; α30°, Smooth, Planar, parallel to foliation. Grey on surface. Grey, rock frag, weak, moist. smotth tiny 1 mm rock frag .						0.45	26				
	Moderately weathered, Grey Psammitic TZ3 Schist. Weak. broken qtz zone with puggy clay infill, thin laminated met q segs running parallel to foliation. Closely spaced Fractures				Shear Zone; α30°, Rough, parallel to foliation. Grey on surface. Grey, Rock Frag, weak, moist. broken qtz with clay infill .		MW	W			0.35	0				
	Moderately weathered, Grey Psammitic TZ3 Schist. Weak. thin met q segs parallel to foliation occasionally discontinuous. Closely spaced Fractures						MW MW	MS VW			0.35	0				

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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PO Box 301054, Albany, Auckland 0752
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ROCK LOG

DRILLHOLE No.: MDD491

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing									
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Moderately weathered, Grey Psammitic TZ3 Schist. Very Weak. Broken shear zone with some clay infill, rounded qtz less than 2mm, occasional large strong qtz chunks up to 100mm thick. Very closely spaced Fractures		720		Shear Zone, Rough, NA complex/mixed foliation. Grey on surface. Grey, Rock Frag, very weak, moist. .		MW	VW			0.35	0				
											0.20	0				
											0.40	0				
	25.7m - 26.0m: Recovered as rock fragments										0.10	0				
		26									0.10	0				
											0.20	50				
	Slightly weathered, Grey Semi-psammitic TZ3 Schist. Very Weak. Closely spaced Fractures										0.20	0				
			719		Vein; α 20°, Rough, Undulating, NA complex/mixed foliation. white, quartz, Modrate strong, 45 degree to foliation .		SW				0.50	88				
		27														
	Very closely spaced Fractures		718								0.65	78				
	Closely spaced Fractures															
	Very closely spaced Fractures 27.9m - 28.0m: Recovered as rock fragments	28									0.55	50				
					Shear Zone; α50°, Smooth, Planar, NA complex/mixed foliation. 15mm aperture .Grey, clay, stiff, moist. 20 degrees off foliation .						0.35	71				
			717								0.45	62				
		29														
	Closely spaced Fractures										0.70	80				
					Shear Zone; α70°, β160°, Rough, Planar, parallel to foliation. 15mm aperture .clay and gravel, fine angular, stiff, .						0.20	0				
			716								0.75	66				

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 7 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Slightly weathered, Grey Semi-psammitic TZ3 Schist. Very Weak. Closely spaced Fractures				Foliation Parting; α60°, β220°, Smooth, Planar, parallel to foliation. 0 mm aperture ..						0.75	66				
			715								0.45	51				
		31			Shear Zone; α40°, β190°, Smooth, Undulating, parallel to foliation. 20mm aperture .grey and white, clay and gravel, fine angular, stiff, 3 distinct shears over the run .						0.45	77				
	Very closely spaced Fractures				Shear Zone; α90°, Smooth, Undulating, parallel to foliation. 20mm aperture .grey and white, clay and gravel, fine angular, 2 .						0.35	62				
			714		Shear Zone, Smooth, Undulating, parallel to foliation. gravel and sand, 3 .		SW	VW			0.60	71				
		32														
					Shear Zone, Smooth, Undulating, parallel to foliation. clay and gravel, fine angular, hard, moist. .						0.35	51				
			713								0.75	73				
		33			Joint; α50°, β90°, Smooth, Undulating, 2mm aperture .grey, clay, moist. 45 degree to foliation .											
					Shear Zone; α40°, Smooth, Undulating, Angled to foliation. clay and gravel, fine angular, hard, .						0.20	0				
	Sandy GRAVEL, grey. Very Dense, Wet, Non-Plastic. fine to coarse sand, gravel, fine to coarse, tabular schist.										0.15	0				
	Unweathered, Grey Psammitic TZ3 Schist. Weak. Closely spaced Fractures		712		Shear Zone; α60°, Smooth, Undulating, parallel to foliation. grey, Breaks in foliation across and highly deformed foliation .		UW	W			0.35	100				
		34			Joint; α0°, Smooth, Planar, Perpendicular to foliation. grey, clay, hard, moist. .						0.70	92				
	Very closely spaced Fractures															
			711								0.30	66				

Groundwater Not Encountered

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LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 8 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, Grey Psammitic TZ3 Schist. Weak. Extremely closely spaced Fractures Closely spaced Fractures 35.1m - 35.7m: Modrately strong 35.7m: extremely weak Extremely closely spaced Fractures				Shear Zone; α70°, Smooth, Undulating, parallel to foliation. grey, clay and gravel, fine angular, hard, .		UW	W			0.30 0.65 0.20	66 61 60				
	Unweathered, grey Pelitic TZ3 Schist. Moderately Strong. Closely spaced Fractures	36	710		Vein; α 30°, β 290°, Smooth, Stepped, Angled to foliation. 8mm aperture .white, quartz, .		UW	MS			0.95	67				
	Core loss	37	709	C/L C C/L C	Joint; α30°, β90°, Smooth, Undulating, Angled to foliation. 0mm aperture .offset the foliation and vein .						0.50	0				
	rock fragments										0.10	0				
	Unweathered, dark grey Pelitic TZ3 Schist. Strong. Very closely spaced Fractures						UW				0.30	0				
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. Very closely spaced Fractures 37.8m - 37.9m: multiple irregular joints present	38	708		Shear Zone; α60°, Smooth, Planar, parallel to foliation. grey, gravel, medium dense, filled with drill cuttings, interior only gravel .			S			0.40	50		Groundwater Not Encountered		
	Closely spaced Fractures				Joint; α55°, β295°, Rough, Undulating, parallel to foliation. 6mm aperture .dark grey, broken schist, .											
					Joint, Rough, Stepped, Angled to foliation. 3mm aperture .Multiple irregular joints .						1.40	57				
		39	707		Joint; α60°, β280°, Rough, Undulating, parallel to foliation. 1mm aperture ..		UW									
	Very closely spaced Fractures										1.20	76				
					Joint; α20°, Smooth, Undulating, Perpendicular to foliation. 0mm aperture ..											

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 9 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Very closely spaced Fractures Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. Very closely spaced Fractures Closely spaced Fractures		706		Shear Zone; α60°, Rough, Planar, parallel to foliation. 4mm aperture .gravel, angular, fine, .		UW	S			1.20	76		Groundwater Not Encountered		
	Very closely spaced Fractures	41	705		Joint; α80°, Rough, Undulating, Angled to foliation. grey, gravel, angular, fine, 6 joints, aperture widens from 1mm to 20mm across core. .						0.70	17				
					Shear Zone; α80°, Rough, Undulating, Angled to foliation. grey, gravel, angular, fine, .											
		42			Shear Zone, Rough, Undulating, Angled to foliation. grey, gravel, angular, fine, 80 degree slope at top, and 40 degree slope at base .						1.05	50				
	Closely spaced Fractures		704													
	Extremely closely spaced Fractures				Shear Zone; α70°, β180°, Smooth, Undulating, parallel to foliation. 42.85m to 43.0m is fine to medium, angular gravel .												
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Weak. Extremely closely spaced Fractures Very closely spaced Fractures	43	703				UW	W			1.00	24				
					Shear Zone; α70°, Smooth, Undulating, parallel to foliation. .											
					Joint; α40°, Rough, Planar, Perpendicular to foliation. 2mm aperture .foliation offset either side .						0.55	90				
		44			Joint; α40°, Rough, Planar, Perpendicular to foliation. 2mm aperture .foliation offset either side .											
					Shear Zone; α80°, Rough, Planar, parallel to foliation. .											
	Closely spaced Fractures		702								1.30	36				
					Joint; α45°, Rough, Stepped, Angled to foliation. 2mm aperture ..											
					Contact; α70°, Smooth, Undulating,											

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LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 10 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Clayey SAND minor gravel, grey. Very Dense, , Non-Plastic. sand, fine to coarse. Gravel, fine, angular schist.				Angled to foliation. .						1.30	36				SV: 45.3m, Test 1 75 / 16 kPa (4.7)
	Gravelly CLAY, some sand, grey. Hard, , High Plasticity. Sand, fine to coarse. Gravel, fine to coarse, angular schist.										0.30	0				
	45.4m - 45.6m: 20mm thick quartz vein, jumbled within the clay		701								0.25	0				
	CLAY minor gravel, grey. Hard, , High Plasticity. Gravel, coarse, angular schist.						MW	VW								
	Moderately weathered, dark grey Semi-psammitic TZ3 Schist. Very Weak. Fractured, friable rock. Very closely spaced Fractures		46													
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. Very closely spaced Fractures															
	46.1m - 46.5m: Schist seperating along foliation										0.85	14				
			700		Shear Zone; α75°, Rough, Stepped, Perpendicular to foliation. 1mm aperture .4 separate joints .											
	Closely spaced Fractures		47													
	Extremely closely spaced Fractures				Shear Zone; α70°, Rough, Planar, Angled to foliation. 25mm aperture .gravel, angular, fine, .						1.05	44				
			699		Shear Zone; α70°, Rough, Stepped, parallel to foliation. 6 joints, aperture widens from 1mm to 20mm across core. .											
					Shear Zone; α70°, Rough, Stepped, Perpendicular to foliation. .											
			48				UW	S						Groundwater Not Encountered		
	Very closely spaced Fractures															
	Extremely closely spaced Fractures				Shear Zone, Rough, Stepped, Angled to foliation. multiple joints, some with gravel present, both parallel and perpendicular to foliation .						1.50	18				
			698													
			49													
	Very closely spaced Fractures															
	Closely spaced Fractures				Vein; α 0°, Rough, Stepped, Perpendicular to foliation. 50mm aperture .quartz and jumbled broken shist, .						0.75	45				
			697		Joint; α30°, β180°, Rough, Stepped,											

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

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CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 11 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. Closely spaced Fractures				Angled to foliation, 1mm aperture Joint; α90°, Angled to foliation. 2mm aperture .broken schist, foliation changes on either side . Joint; α50°, β180°, Smooth, Undulating, Angled to foliation. 40mm aperture .Clay, clay present on one side of joint .						0.75 0.60	45 75				
					Joint; α45°, β110°, Smooth, Stepped, Angled to foliation. 1mm aperture ..											
			696													
		51			Joint; α80°, β50°, Smooth, Undulating, Angled to foliation. 1 to 10mm aperture, broken schist and fine quartz gravel infill .						0.70	68				
	Very closely spaced Fractures				Joint, Rough, Stepped, NA complex/mixed foliation. 6 joints, either closed or 1mm aperture, no common orientation .		UW	S									
			695		Joint; α65°, Rough, Planar, Perpendicular to foliation. 3mm aperture .broken schist, .						0.65	56				
		52			Joint; α60°, Smooth, Undulating, parallel to foliation. top of a quartz layer .						0.15	0				
	Gravelly CLAY, some sand, grey. Hard, , Moderate Plasticity. sand, fine to coarse. Gravel, fine, angular schist.										0.45	0				
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Moderately Strong. Closely spaced Fractures													Groundwater Not Encountered		
		53	694		Shear Zone; α60°, Rough, Undulating, Perpendicular to foliation. gravel, angular, fine, .		UW	MS			1.05	42				
					Joint, Rough, Stepped, NA complex/mixed foliation. 5 joints, 1 mm aperture, no common orientation .											
					Joint; α0°, Smooth, Stepped, Perpendicular to foliation. 1-8mm aperture .sand, coarse, quartz and schist, .						0.30	83				
		54	693													
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. competent tz3, uniformed foliation with minor deformation,thick chunks of qtz segs parallel to foliation. Closely spaced Fractures				Joint; α70°, β130°, Smooth, Undulating, parallel to foliation. clean, .		UW	S			1.05	87				

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 12 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. competent tz3, uniformed foliation with minor deformation,thick chunks of qtz segs parallel to foliation. Closely spaced Fractures	56	692				UW	S			1.00	87				
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Moderately Strong. broken tz3, course grain shearzone 40mm thick, thinly lamitinated foliation. Closely spaced Fractures Very closely spaced Fractures				Shear Zone; α80°, Smooth, Undulating, parallel to foliation. 20mm aperture .broken schist, fine to coarse gravels, medium dense, 4 individual shears within range, with joints present between . Shear Zone; α80°, Rough, Undulating, parallel to foliation. course qtz and schist, .		UW	MS			0.75	37				
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Weak. Broken shear zone with some clay infill, rounded qtz less than 2mm, occasional large strong qtz chunks up to 100mm thick. Extremely closely spaced Fractures	57	691		Shear Zone; α80°, Rough, Undulating, parallel to foliation. course qtz and schist, . Shear Zone, Rough, Stepped, Angled to foliation. 100mm aperture .sandy CLAY minor gravels, sand fine to coarse, gravel, fine to medium, angular quartz, very stiff, irregular shapes within, some quartz aligned but not consistent .		UW	W			1.30	46				
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. competent tz3 large chunk of met qtz segs paralel to foliation. Closely spaced Fractures	58	690		Shear Zone; α70°, Rough, Undulating, NA complex/mixed foliation. rounded qtz 2mm , . Joint; α70°, Rough, Undulating, parallel to foliation. fine grain schist 1mm, . Joint; α60°, Smooth, Planar, parallel to foliation. . Joint; α60°, Smooth, Planar, parallel to foliation. .									Groundwater Not Encountered		
	Very closely spaced Fractures	59	689		Joint; α60°, Rough, Planar, parallel to foliation. fine grain schist 1mm, .		UW	S			1.50	52				
	Closely spaced Fractures		688		Shear Zone; α80°, Rough, Planar, NA complex/mixed foliation. sand, coars qtz and schist, . Joint; α70°, β150°, Smooth, Planar, parallel to foliation. . Joint; α60°, Smooth, Planar, parallel to foliation. .						1.30	76				
											0.75	53				

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 13 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. competent tz3 large chunk of met qtz segs paralel to foliation. Closely spaced Fractures		687		Joint; α84°, Rough, Planar, parallel to foliation. . Joint; α77°, Smooth, Planar, parallel to foliation. .		UW	S			0.75	53				
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Moderately Strong. broken large qtz meet segs, moderetaly deformed foliation with som carbonate veins. Very closely spaced Fractures						UW									
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Moderately Strong. competent tz3, uniformed foliation with minor deformation,thick chunks of qtz segs parallel to foliation. Closely spaced Fractures	61														
	Very closely spaced Fractures		686		Joint; α53°, Rough, Undulating, Perpendicular to foliation. 1mm coarse tz3 schist with qtz, . Joint; α59°, Smooth, Planar, parallel to foliation. clean, . Joint; α43°, Rough, Planar, Perpendicular to foliation. gravl angular fine, . Shear Zone; α63°, Rough, Planar, Perpendicular to foliation. 2mm qtz infill , .						1.15	21				
		62			Shear Zone; α86°, Rough, Planar, parallel to foliation. 1mm coarse tz3 schist with qtz, .						0.90	0				
			685		Joint; α33°, β65°, Rough, Planar, Perpendicular to foliation. 1mm coarse tz3 schist with qtz, .		UW	MS								
	Closely spaced Fractures	63			Joint; α79°, Smooth, Planar, parallel to foliation. thin bladed schist infill, .						1.00	31				
					Joint; α84°, Smooth, Planar, parallel to foliation. .											
			684		Joint; α74°, Rough, Planar, parallel to foliation. rock chips 1mm, .											
		64			Joint; α63°, Smooth, Undulating, parallel to foliation. .						0.80	45				
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Weak. Shear zone, some sandy clay infill present, fine to coarse quartz sand. Extremely closely spaced Fractures		683		Shear Zone; α85°, Rough, Planar, parallel to foliation. rock chips and minor prsence of qtz 1mm, . Shear Zone, Rough, Planar, NA complex/mixed foliation. .		UW	W			0.30	0				
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Weak. Extremely closely spaced Fractures						UW				0.65	0				
					Joint; α56°, Smooth, Planar, parallel											

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 14 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2, 5, 10, 20, 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25, 50, 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25, 50, 75)	FIELD TESTS
TZ3 Schist	Unweathered, dark grey Semi-psammitic TZ3 Schist. Weak. Very closely spaced Fractures Extremely closely spaced Fractures				to foliation. . Fractured Zone; α79°, Smooth, Planar, parallel to foliation. 7 joint fratures . Shear Zone; α62°, Rough, Planar, parallel to foliation. 3mm chips infill , . Shear Zone; α73°, Rough, Planar, parallel to foliation. 3mm qtz infill with minor present of silt, . Joint; α37°, β178°, Rough, Undulating, parallel to foliation. 1mm aperture ..		UW	W			0.65 0.25 0.10	0 0 0				
	Core loss		682	C/L												
	Unweathered, dark Grey Semi-psammitic TZ3 Schist. Moderately Strong. Very closely spaced Fractures	66									0.35	0				
	65.8m - 66.0m: Recovered as rock fragments Closely spaced Fractures				Joint; α43°, Rough, Planar, Perpendicular to foliation. minor presence of sand , . Joint; α74°, Smooth, Undulating, parallel to foliation. .						0.60	21				
	Extremely closely spaced Fractures		681				UW	MS			0.25	0				
	67.0m - 67.1m: Recovered as rock fragments Very closely spaced Fractures	67			Joint; α57°, Smooth, Planar, parallel to foliation. . Joint; α84°, Smooth, Planar, parallel to foliation. . Joint; α87°, β183°, Smooth, Planar, parallel to foliation. .						0.80	0				
	67.8m - 67.9m: Recovered as rock fragments Unweathered, dark Grey Semi-psammitic TZ3 Schist. Very Weak. broken shearzone 1mm crushed tz3 schist. Closely spaced Fractures		680				UW	VW								
	Unweathered, dark Grey Semi-psammitic TZ3 Schist. Moderately Strong. competent tz3 schist with large qtz segs, uniformed foliation with minor deformation, thinly laminated. Closely spaced Fractures	68			Crush Zone; α86°, Rough, Planar, parallel to foliation. crushd qtz 1mm, . Joint; α57°, Smooth, Planar, parallel to foliation. .			MS			1.45	53		Groundwater Not Encountered		
	Unweathered, dark Grey Semi-psammitic TZ3 Schist. Moderately Strong. competent tz3 schist with large qtz segs, uniformed foliation with minor deformation, thinly laminated. Closely spaced Fractures	69	679		Joint; α74°, Rough, Planar, Perpendicular to foliation. . Crush Zone, Rough, Undulating, NA complex/mixed foliation. crush tz3 schist with only half of the core crushed up, .		UW									
	69.3m - 69.3m: Recovered as rock fragments Very closely spaced Fractures				Joint; α43°, β192°, Rough, Planar, Perpendicular to foliation. . Crush Zone; α48°, β178°, Rough, Planar, parallel to foliation. .						1.00	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 15 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, dark Grey Semi-psammitic TZ3 Schist. Moderately Strong. competent tz3 schist with large qtz segs, uniformed foliation with minor deformation, thinly laminated. Very closely spaced Fractures		678				UW				1.00	0				
	Unweathered, dark Grey Semi-psammitic TZ3 Schist. Moderately strong. Moderately widely spaced Fractures	71	677		Joint; α42°, Smooth, Planar, Angled to foliation. 2mm aperture .Clay, stiff, .		UW				1.55	90				
	Extremely closely spaced Fractures				Shear Zone; α62°, Rough, Undulating, parallel to foliation. broken schist, fine to coarse gravels, very dense, .						0.60	38				
	Closely spaced Fractures	72	676													
	72.4m - 72.5m: Recovered as rock fragments				Shear Zone; α64°, Smooth, Undulating, parallel to foliation. broken schist, fine to coarse gravels, dense, .											
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. minor quartz segregations up to 60mm thick. Closely spaced Fractures				Shear Zone, Rough, Stepped, parallel to foliation. 40mm aperture .gravel, angular, fine, broken schist, medium dense, 73 degree surface at top, and 88 at bottom .						0.40	25				
	Very closely spaced Fractures															
	72.8m - 73.8m: Many breaks along foliation	73	675		Joint; α46°, Rough, Planar, Perpendicular to foliation. 5mm aperture .broken schist, .		UW	S			1.00	12		Groundwater Not Encountered		
					Joint; α80°, Rough, Stepped, Perpendicular to foliation. 1mm aperture .clay, .											
		74	674		Joint; α66°, Rough, Stepped, Angled to foliation. 1mm aperture .clean, .						1.10	35				
					Shear Zone; α72°, Rough, Undulating, parallel to foliation. 30mm aperture .gravel, angular, fine, broken schist, .											
											1.05	0				

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 16 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. minor quartz segregations up to 60mm thick. Very closely spaced Fractures		673		Shear Zone; α78°, Rough, Stepped, parallel to foliation. 70mm aperture .gravel, angular, fine, broken schist, .		UW	S			1.05	0		Groundwater Not Encountered		
	Extremely closely spaced Fractures															
	Very closely spaced Fractures															
		76			Shear Zone; α66°, Rough, Stepped, parallel to foliation. 39mm aperture .gravel, angular, fine, broken schist, . Joint; α68°, Smooth, Stepped, Angled to foliation. 1mm aperture .clean, .						0.45	24				
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Weak. Shear zone, made of multiple joints and shears, aperture up to 40mm, with broken schist fine gravel sized. Very closely spaced Fractures		672		Joint; α87°, Smooth, Undulating, Angled to foliation. 1mm aperture .clean, .		UW	W			0.90	25				
		77														
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. minor quartz segregations up to 60mm thick. Very closely spaced Fractures						UW									
	Core loss			C/L							0.20	0				
	77.4m - 77.6m: Recovered as rock fragments		671	C												
	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. minor quartz segregations up to 60mm thick. Very closely spaced Fractures										0.30	0				
	77.8m - 78.0m: Recovered as rock fragments										0.15	0				
		78			Joint, Rough, Stepped, NA complex/mixed foliation. 7 Joints, no alignment, up to 2mm aperture .						0.90	44				
	Closely spaced Fractures		670					S								
					Joint; α45°, Smooth, Undulating, Angled to foliation. 1mm aperture .clean, .		UW									
	Very closely spaced Fractures															
	78.9m - 79.0m: Recovered as rock fragments										0.50	42				
		79														
	79.4m - 79.5m: Recovered as rock fragments										1.40	84				
	Closely spaced Fractures		669													
					Joint; α12°, Rough, Planar, Perpendicular to foliation. 1mm aperture .clean, .											

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 17 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, dark grey Semi-psammitic TZ3 Schist. Strong. minor quartz segregations up to 60mm thick. Closely spaced Fractures Very closely spaced Fractures				Joint; α76°, Rough, Stepped, Angled to foliation. 1mm aperture .clean, 8 Joints roughly aligned, ranging from 68 to 90 degrees .		UW				1.40	84				
	Unweathered, dark grey Psammitic TZ3 Schist. Strong. Very closely spaced Fractures				Joint; α41°, Rough, Planar, Angled to foliation. 0mm aperture ..											
			668													
		81			Joint; α47°, Rough, Planar, Angled to foliation. 4mm aperture .gravel, angular, fine, broken schist, . Joint; α52°, Rough, Planar, Angled to foliation. 1mm aperture .clean, .						0.85	22				
					Joint; α48°, Rough, Stepped, Angled to foliation. 2mm aperture .clean, .											
			667													
					Shear Zone; α66°, Rough, Stepped, parallel to foliation. 50mm aperture .gravel, angular, fine, broken schist, .											
		82									1.20	34				
					Joint; α67°, Smooth, Undulating, Angled to foliation. 2mm aperture .clean, .											
							UW	S						Groundwater Not Encountered		
			666													
		83			Shear Zone; α64°, Rough, Stepped, parallel to foliation. 15mm aperture .gravel, angular, fine, broken schist, .						1.20	76				
					Joint; α68°, Smooth, Undulating, Angled to foliation. 3mm aperture .clean, .											
			665													
		84									0.60	55				
	Closely spaced Fractures				Shear Zone; α64°, Rough, Stepped, parallel to foliation. 60mm aperture .gravel, angular, fine, broken schist, .						0.55	43				
			664													

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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Unit 7C, 331 Rosedale Road, Albany, Auckland
PO Box 301054, Albany, Auckland 0752
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD491

SHEET 18 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	Unweathered, dark grey Psammitic TZ3 Schist. Strong. Very closely spaced Fractures				Shear Zone; α60°, Rough, Stepped, parallel to foliation. 60mm aperture .gravel, angular, fine, broken schist, .		UW	S			0.55	43				
					Joint; α88°, Rough, Undulating, Angled to foliation. 0mm aperture ..						0.65	21				
					Shear Zone; α60°, Smooth, Undulating, parallel to foliation. 50mm aperture .gravel, angular, fine to coarse, broken schist, .											
		86	663		Joint; α66°, Smooth, Planar, parallel to foliation. 0mm aperture .11 joints along foliation .											
	Unweathered, dark Grey Semi-psammitic TZ3 Schist. Moderately Strong. Shear zone, still competent, foliation broken, foliation parallel at top contact, and angled at bottom, 62 and 20 degrees respectively. Seams of weak rock present, up to 50mm wide. Very closely spaced Fractures						UW	MS			1.55	56				
	Unweathered, dark grey Psammitic TZ3 Schist. Strong. Very closely spaced Fractures	87	662		Shear Zone; α74°, Rough, Undulating, Angled to foliation. 50mm aperture .gravel, angular, fine to coarse, broken schist, .		UW	S								
					Joint; α62°, Smooth, Planar, parallel to foliation. 4mm aperture .clean, 4 joints along foliation .						0.60	43				
					Joint; α77°, Rough, Planar, Angled to foliation. 0mm aperture ..											
					Joint; α88°, Rough, Planar, Angled to foliation. 0mm aperture .3 joints along foliation .											
					Joint, Rough, Planar, parallel to foliation. .											
		88														
	GRAVEL minor clay, minor cobbles., dark grey. Very Dense, moist, Non-Plastic. gravel, coarse, angular schist. Cobbles, up to 120mm quartz veins.		661								0.65	16				
	Unweathered, dark Grey Semi-psammitic TZ3 Schist. Weak. Shear zone, still competent, multiple joints offsetting foliation present. Very closely spaced Fractures						UW	W			0.55	0				
		89														
	Unweathered, dark grey Psammitic TZ3 Schist. Strong. Very closely spaced Fractures						UW	S								
	Unweathered, dark Grey Semi-psammitic TZ3 Schist. Weak. Shear zone, still competent, multiple joints offsetting foliation present. Very closely spaced Fractures		660				UW	W			0.75	30				
	Unweathered, dark grey Psammitic TZ3 Schist. Strong. Very closely spaced Fractures				Joint; α37°, Smooth, Planar, Angled to foliation. 0mm aperture .clean, .		UW	S			0.45	0				

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

LOGGED: EGL
CHECKED:
DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 19 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	GRAVEL minor cobbles., dark grey. Very Dense, moist, Non-Plastic. gravel, coarse, angular schist. Cobbles, up to 100mm quartz veins.		659				UW	S			0.45	0				
	Unweathered, dark grey Psammitic TZ3 Schist. Strong. Extremely closely spaced Fractures 90.4m - 90.5m: Recovered as rock fragments															
	GRAVEL, minor cobbles., dark grey. Very Dense, moist, Non-Plastic. gravel, coarse, angular schist. Cobbles, up to 150mm quartz veins.										0.60	16				
	Core loss	91		C/L							0.20	0				
	91.3m - 91.4m: Recovered as rock fragments										0.10	0				
	Unweathered, dark grey Psammitic TZ3 Schist. Strong. Extremely closely spaced Fractures 91.4m - 91.5m: Recovered as rock fragments		658								0.10	0				
	Very closely spaced Fractures						UW				0.45	28				
	91.8m - 91.9m: Recovered as rock fragments															
	92.1m - 92.3m: Very weak. Extremely closely spaced Fractures	92			Shear Zone; α72°, Smooth, Stepped, Angled to foliation. 60mm aperture .gravel, angular, medium, broken schist, Rock mass is very weak .						0.45	46				
	92.4m - 92.5m: Recovered as rock fragments		657								0.20	0				
	GRAVEL minor clay, minor cobbles., dark grey. Very Dense, moist, Non-Plastic. gravel, medium to coarse, angular schist. Cobbles, up to 120mm quartz veins.										0.00	0				
	Unweathered, dark grey Psammitic TZ3 Schist. Moderately Strong. Very closely spaced Fractures				Joint; α88°, Rough, Stepped, Angled to foliation. 1mm aperture .clean, terminates at bottom on foliation .											
		93									0.95	65				
	Moderately widely spaced Fractures		656		Joint; α57°, Smooth, Planar, Angled to foliation. 1mm aperture .. Joint; α51°, parallel to foliation. 1mm aperture ..		UW	MS								
					Crush Zone; α58°, Smooth, Planar, parallel to foliation. 25mm aperture .gravel, angular, fine to medium, broken schist, .						0.85	63				
		94														
	Very closely spaced Fractures															
			655		Joint; α88°, Rough, Stepped, Angled to foliation. 6mm aperture .gravel, angular, medium, broken schist, .						0.55	47				
					Shear Zone; α60°, Rough, Stepped, Angled to foliation. 120mm aperture .gravel, angular, fine to medium, broken schist, minor clay, .											
	Gravelly CLAY, minor cobbles, dark grey. Hard, moist, Low Plasticity. gravel, fine to coarse, angular schist. Cobbles, up to 120mm quartz										0.30	0				

Groundwater Not Encountered

NOTES: Coordinates and elevation obtained from MGL site surveyor on 23/01/2025. On flat slope midway up Feature 1. Logged to NZGS guidelines (2005.) Shear vane values have been converted at a ratio of 1.425, calibration certificate expires 28/06/2026. Drilling water circulation return % estimated by lead driller. Angles are measured from core axis. Target depth reached (100 m bgl). VWPs installed and grouted, tips at 20, 40, 65, and 98 m bgl, refer to as-built diagram. Downhole OTV/ATV data captured at end of hole by Speights Geophysics on 6 to 10 December 2025 from 5.2m bgl to 55.6 m bgl, and 59.2m bgl to 99.0m bgl. Boxed core stored at MGL depot.

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DRILLER: Alton Drilling
DRILL TYPE:

EGL - Rock Log v8.1 (test) - 7/05/2026 10:28:20 am - Produced with Core-GS by Geroc

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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 20 OF 21

Job No.: 9702

PROJECT: BOGP
LOCATION: Bendigo
COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

RL GROUND: 743.8
DATUM: NZVD 2016

HOLE STARTED: 21/11/2025
HOLE FINISHED: 12/12/2026
HOLE DEPTH: 100.1m
INCLINATION: 70°
ORIENTATION:

Core Description					Rock Defects			Drilling & Testing								
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY (2 5 10 20 50)	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS (%) (25 50 75)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	WATER LOSS (%) (25 50 75)	FIELD TESTS
TZ3 Schist	veins. Gravelly CLAY, minor cobbles, dark grey. Hard, moist, Low Plasticity. gravel, fine to coarse, angular schist. Cobbles, up to 120mm quartz veins. Unweathered, dark grey Psammitic TZ3 Schist. Moderately Strong. Very closely spaced Fractures 95.6m - 95.7m: Weak. Extremely closely spaced Fractures 96.3m - 96.5m: Very weak. Very closely spaced Fractures 97.0m - 97.1m: Weak. 99.5m - 99.6m: Quartz, very strong.	96 97 98 99	654 653 652 651 650		Joint; α55°, Rough, Stepped, Angled to foliation. 4mm aperture .gravel, angular, coarse, broken schist, . Joint; α44°, Smooth, Stepped, parallel to foliation. 0mm aperture .. Joint; α74°, Rough, Stepped, Angled to foliation. 2mm aperture .gravel, angular, medium, broken schist, . Shear Zone, Rough, Stepped, NA complex/mixed foliation. Competent schist, breaks not aligned, and clean, . Crush Zone; α30°, Rough, Planar, Angled to foliation. 0mm aperture .quartz gravels, coarse angular, . Crush Zone; α33°, Rough, Stepped, Perpendicular to foliation. 80mm aperture .gravel, angular, medium to coarse, broken schist, . Crush Zone; α66°, Rough, Stepped, Angled to foliation. 50mm aperture .gravel, angular, medium to coarse, broken schist, . Joint; α84°, Smooth, Planar, parallel to foliation. 2mm aperture .Very weak schist, . Crush Zone; α88°, Rough, Undulating, Angled to foliation. 50mm aperture .gravel, angular, fine, broken schist, . Joint; α16°, Smooth, Undulating, Perpendicular to foliation. 2mm		UW	MS			0.30 0.55 0.50 0.35 0.55 0.70 0.30 1.10 0.70 0.20	0 41 54 54 18 62 50 43 20 60		Groundwater Not Encountered		

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DRILLER: Alton Drilling
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ROCK LOG

DRILLHOLE No.: MDD491

SHEET 21 OF 21

Job No.: 9702

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COORDINATES: East 1320339.2 North 5017366.4
GRID: NZTM 2000

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Sc	Unweathered, dark grey Psammitic TZ3 Schist. Moderately Strong. Very closely spaced Fractures				aperture .clean, .		UW	MS			-56.045	100		Not		

EOH: 100.10 m

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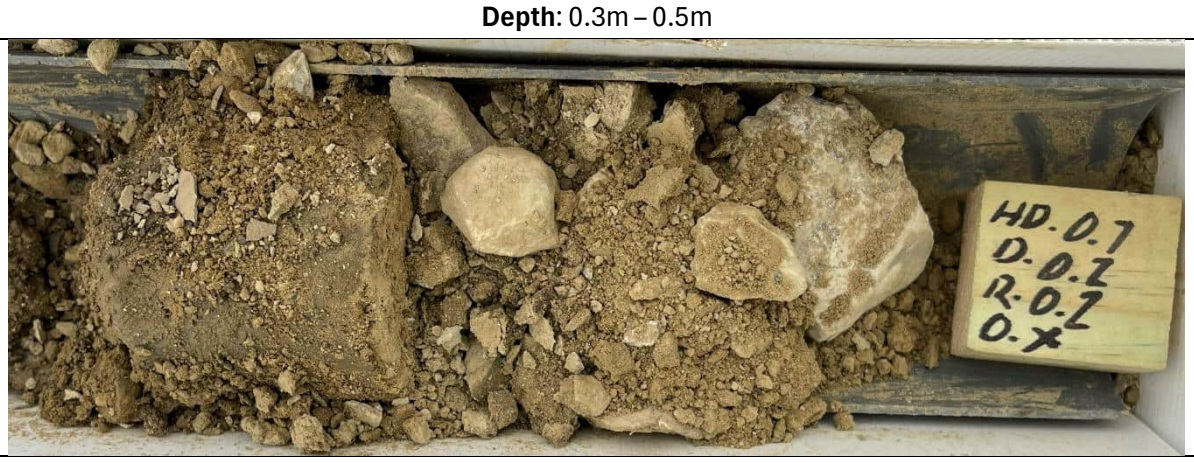
Client:	MATAKANUI GOLD LIMITED	EGL Job No.	9702		
EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD491		
		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD491 - A3 - SPLIT PHOTOGRAPHS PER RUN				



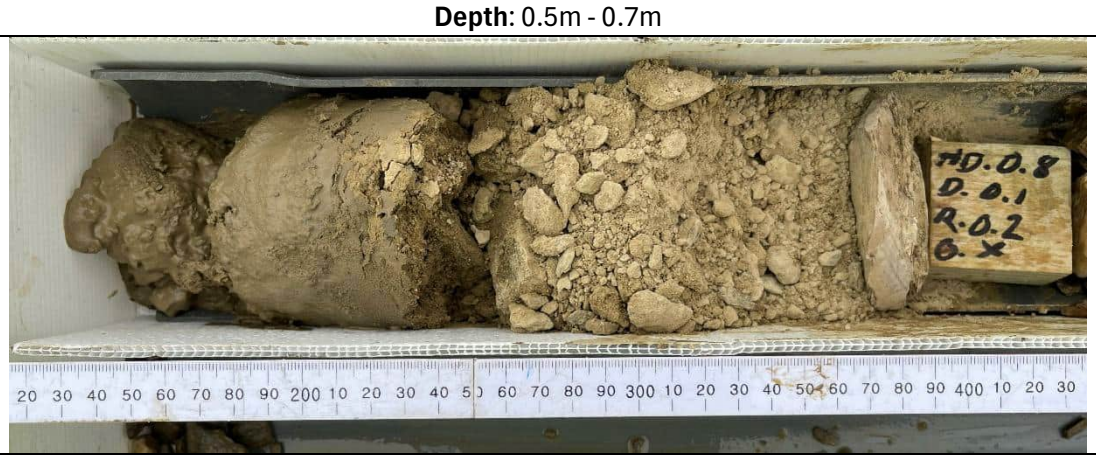
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Depth: 0.3m – 0.5m



Depth: 0.5m - 0.7m



Depth: 0.7m - 0.8m

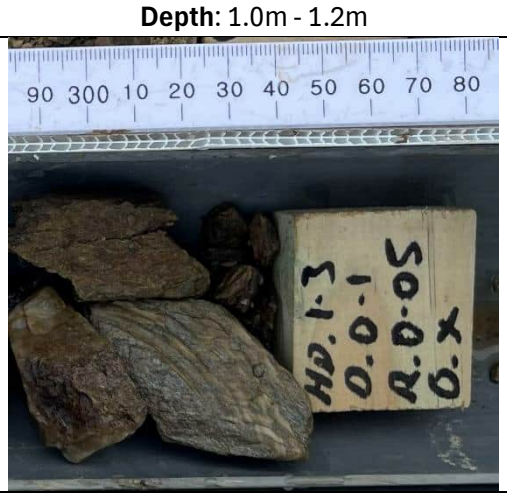


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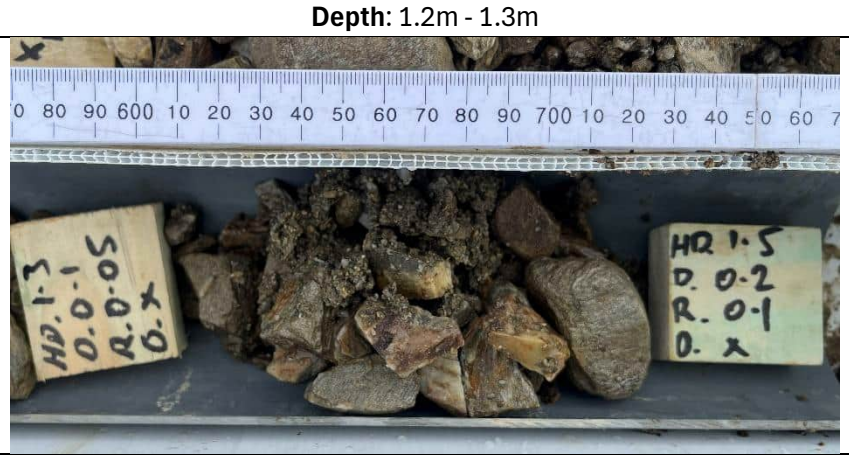
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EGL Geotechnical, Earthquake and Dam Engineers Engineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz		Location:	TSF Embankment Gully Floor MDD491		
		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD491 - A3 - SPLIT PHOTOGRAPHS PER RUN				



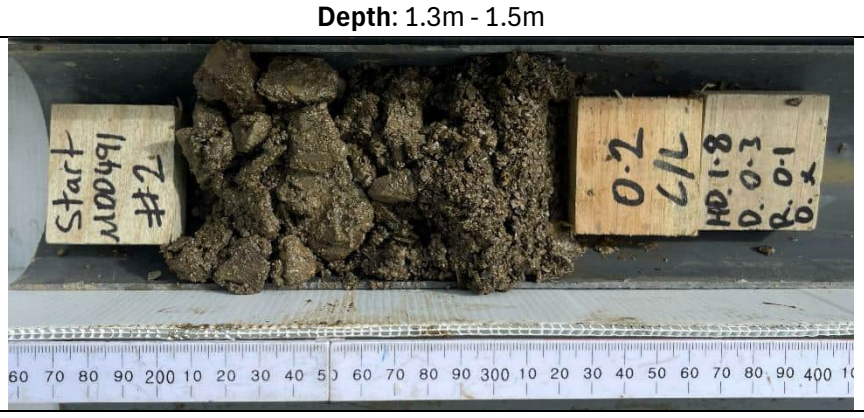
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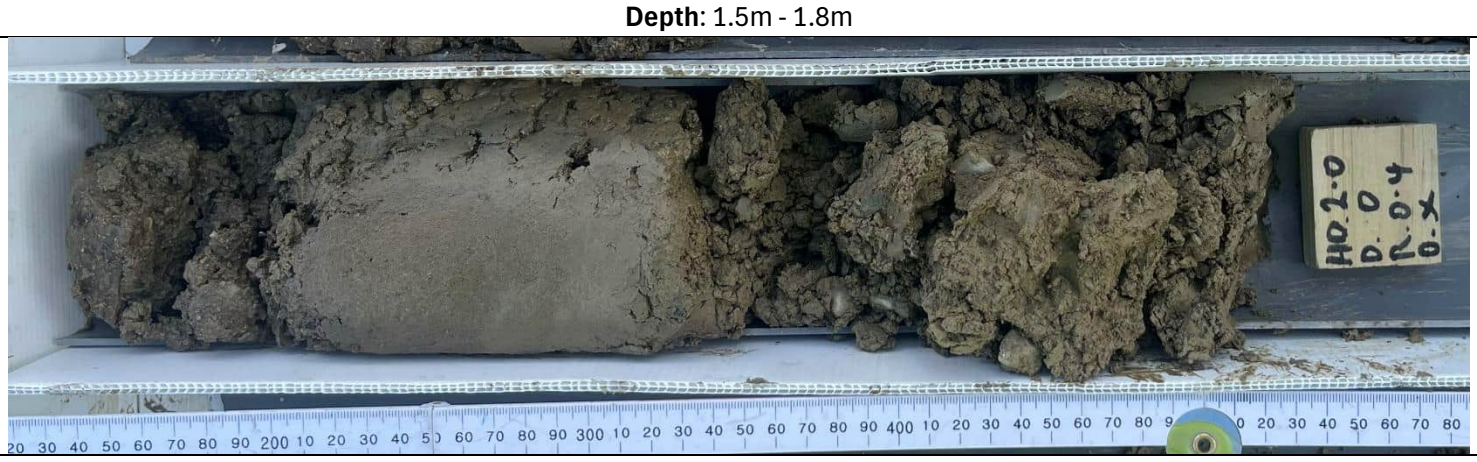
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Depth: 1.3m - 1.5m



Depth: 1.5m - 1.8m



Depth: 1.8m – 2.0m

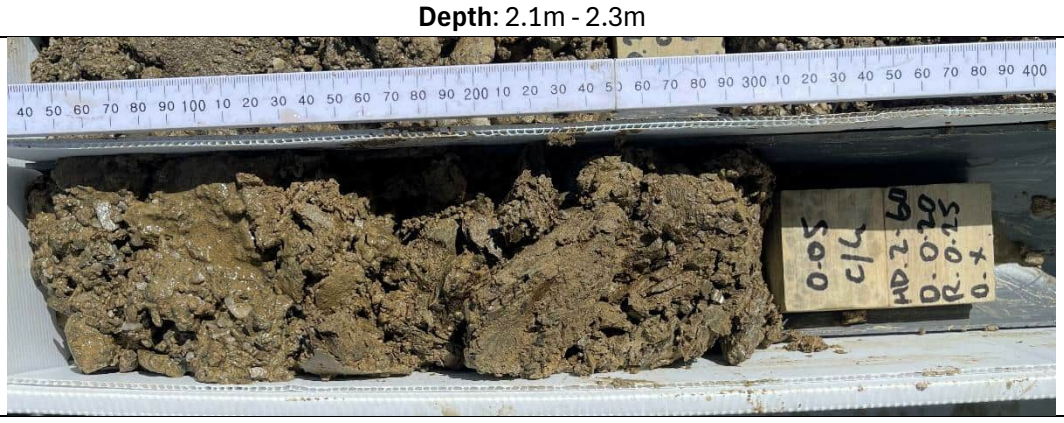
Core Loss

Depth: 2.0m - 2.1m

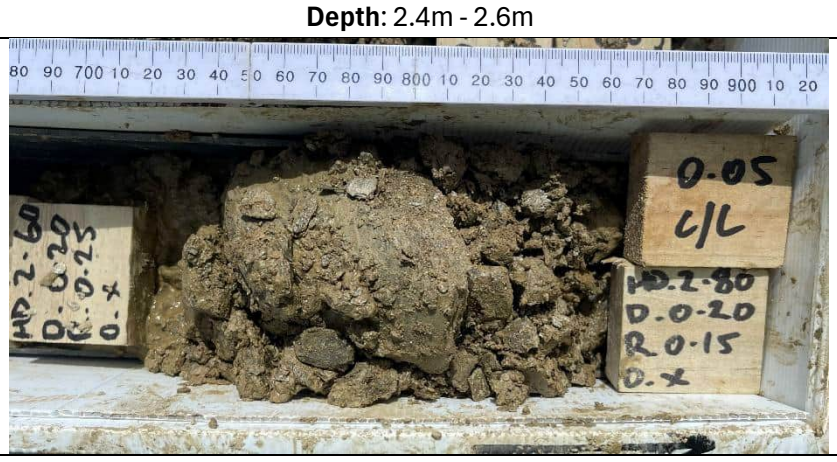
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		Photograph By:	MGL	Date:	Mar 2026
Title:	MDD491 - A3 - SPLIT PHOTOGRAPHS PER RUN				



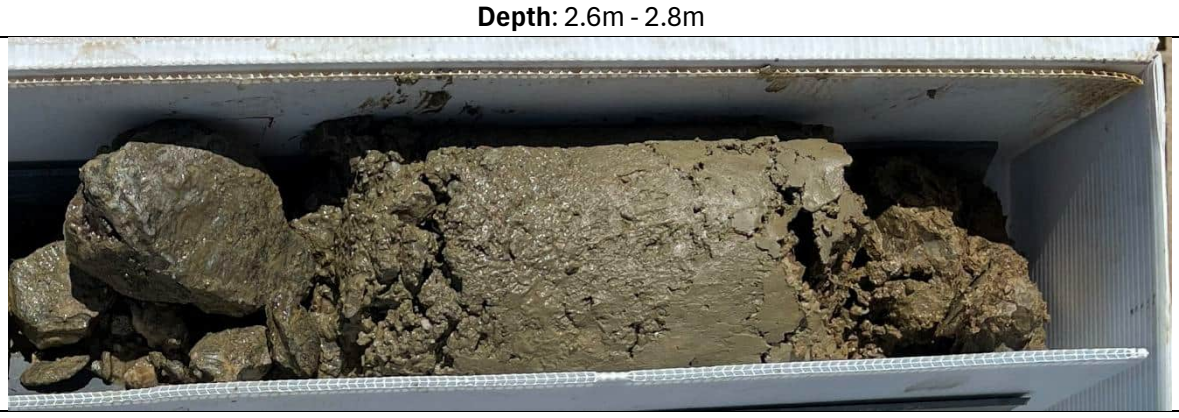
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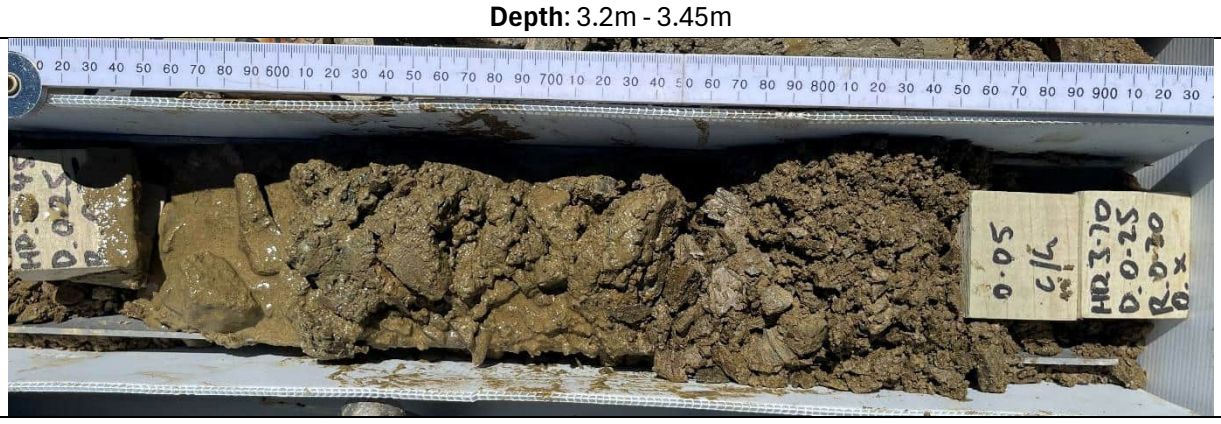
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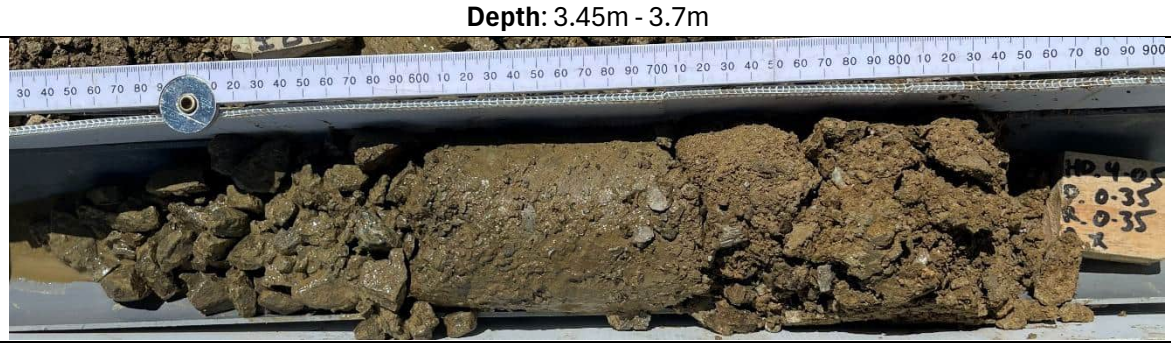
Depth: 2.6m - 2.8m



Depth: 3.2m - 3.45m



Depth: 3.45m - 3.7m



Depth: 3.7m - 4.05m