

Location:	Bendigo-Ophir Gold Project
EGL Job No.	9702

Start Date

12 June 2024

End Date

14 June 2024

Title:



Depth: 31.5m to 33.2m



Depth: 33.2m to 35.2m



Location:	Bendigo-Ophir Gold Project
EGL Job No.	9702

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



Location:	Bendigo-Ophir Gold Project
EGL Job No.	9702

Start Date

12 June 2024

End Date

14 June 2024

Title:



Depth: 39m to 40.8m



Depth: 40.8m to 42.8m



EGL Job No.	9702
Location:	Bendigo-Ophir Gold Project

Start Date 12 June 2024 End Date 14 June 2024

Title:





Engineering Geology Ltd

→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: **MDD362**

SHEET 1 OF 8

Job No.: 9702

HOLE STARTED: 27/08/2024

LOCATION: **HOLE FINISHED**: 04/09/2024 Bendigo DATUM: NZVD 2016 HOLE DEPTH: 35.0m **COORDINATES:** East 1316258.0 North 5018870.0 INCLINATION: Vertical NZTM 2000 ORIENTATION:

RL GROUND: 731.8

GF	RID: NZTM 2000							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 FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 75 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	
ST	Topsoil, damp, semi compact, dark brown .	 		40					=			=			 	
	Sandy SILT; dark green grey. Wet, soft. Sandy GRAVEL; light green cream. Dry, loose. Gravels; medium to coarse, sub angular. Medium sandy GRAVEL; light green cream. Moist, loose. Gravels; medium, sub angular.	 	-	2 T 2							0.40 0.40	0	_			
	SILT; dark brown. Moist, stiff.	 	731_	0 0 0 0 0 0 0 0 0						777	0.20	0				N = 4 (C) 1 00m
	SILT; light green brown. Moist, firm, moderately plastic.	 	- -	*							0.50	0	V			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 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							0.30 0.20	0				
Alluvium		_ 2 _ 									0.25 0.45	0 0	\ \	er Not Encountered		N = 14 (C) 2.00m 3, 3, 2, 3, 4, 5
4	Coarse sandy GRAVEL; light grey white. Moist, loose, non-plastic. Gravel; medium, rounded to angular. Dark green grey. GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; coarse, angular. Core Loss. GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; coarse, angular.		729_	C.							0.45 0.10 0.10 0.10	0 0 0		Groundwater Not		0, 4, 0, 0, 0, 7
	Core Loss. GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; medium to coarse, angular.		728_	C/L							0.10 0.10 0.15	0 0 0	V			
	Core Loss. GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; medium to coarse, angular.	- 4 - 	- -								0.45 0.10 0.	0 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. Core Loss.		727_	C/L							0.10 0.20 0.10 0.10	0 0 0 0	V			
NO	TES: Borehole logged by Matakanui Gold Ltd.	and to	ansc		o EGL template	LOGGED:	<u> </u>	L Vlata	L akaı	<i>VXXX</i> nui	0		LLI DR	ILLE	1111	Alton Drilling

CHECKED: EGL



- → 1464 9 486 2546
 info@egl.co.nz
 Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
 www.egl.co.nz
 www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD362

SHEET 2 OF 8

Job No.: 9702

HOLE STARTED: 27/08/2024 **RL GROUND**: 731.8

PROJECT: BOGP **HOLE FINISHED**: 04/09/2024 LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 35.0m **COORDINATES:** East 1316258.0 North 5018870.0 INCLINATION: Vertical NZTM 2000 ORIENTATION:

GRID:	D: NZTM 2000 ORIENTATION:															
	Core Description				Rock Defects							[Orilli	ng &	Testir	ng
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE TO FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 55 (%)	FIELD TESTS
lo	RAVEL some silt and fine sand; light brown. Moist, sse, non plastic. Gravels; medium to coarse, gular.		_								0.45	0				N = 23 (C) 5.00m 3, 4, 4, 5, 6, 8
Su	ravelly CLAY; orange. Moist. Gravels; medium, brounded to angular. ore Loss.		726.	C/L							0.15 0.20 0.00	0 0 0	V			
Gi	ravelly CLAY; grey. Moist, very stiff, Gravels; arse, subangular to angular.	 - 6 - 		C/L							0.30 0.15	0 0				N = 50 (C) 6.00m 11, 12, 19, 31, 0, 0
Co	ore Loss.	 	- 	C/L							0.10 0.20 0.10	0 0 0	V			
cc	ravelly CLAY; grey. Moist, very stiff. Gravels; arse, subangular to angular. ashed Pelitic Schist fragments, grey, tabular up to	 - 7 - 	725.	C/L			nn				0.30 0.30	0 0		untered		N = 40 (C) 7.00m 24, 24, 33, 7, 0, 0
\60	mm by 20mm ore Loss.		724.	C/L C/L			MΠ				5 0.00 0.10 0.00 0.15 0.10 0.10	0 0 0 0 0 0	V	Groundwater Not Encountered		
60	ashed Pelitic Schist fragments, grey, tabular up to mm by 20mm	_ 8 _ 		C/L			ΜŊ				0 0.20 0.15	0 0				N = 50 (C) 8.00m 18, 18, 50, 0, 0, 0
	ashed Pelitic Schist fragments, grey, tabular up to Imm by 20mm	 	723.	CL IIII			MN	MS			0.15 0.10 0.15 0.20 0.20	0 0 0 0 0	V			
Pe de	elitic Schist, grey and dark grey. Moderately formed gently to moderately inclined foliation	- 9 - 	-				MU WU				0.30 0.12 0.28	0 0 0	V			N = 50 (C) 9.00m 18, 18, 28, 22, 0, 0
NOTES	: Borehole logged by Matakanui Gold Ltd.	and tr	722.	pribed t	o EGL template	LOGGED:		Mat	aka	nui	0:30	0	DR	ILLE	R:	Alton Drilling
	55 ,			- •	'				und				-11			, atom Drining

CHECKED: EGL



ROCK LOG

DRILLHOLE No.: MDD362

SHEET 3 OF 8

Job No.: 9702

HOLE STARTED: 27/08/2024 PROJECT: **RL GROUND**: 731.8 BOGP **HOLE FINISHED**: 04/09/2024 LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 35.0m

COORDINATES: East 1316258.0 North 5018870.0

GRID: NZTM 2000 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 FRACTURE FREQUENCY FREQUENCY	WEATHERING	PT LOAD / UCS (MPa)	25 CORE LOSS 55 (%) CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS
	Washed Pelitic Schist fragments, grey, tabular up to 30mm by 20mm						M)	0	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	 - ·	721_		Joint, smooth, . Joint, smooth, .		MO C	n	0.50	44	Y			
_	Pelitic Schist fragments, grey, polyhedral up to 20mm	_ 11 _ - ·					M)		000	-				N = 50 (C) 11.00m 14, 15, 27, 23, 0, 0
_	Core Loss.	 	720_	2			MO		0.15 0.25	0	V			
_	Pelitic Schist fragments, grey, polyhedral up to 20mm	- 12 - - 12 -				-	wn wn	OM OM	0.35			untered		N = 50 (C) 12.00m 6, 7, 12, 18, 20, 0
TZ3		 	719_				MO		5 0.15	0 0 0	V	Groundwater Not Encountered		
_	Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation	_ 13 _ - ·			─ Joint, . ─ Joint, .		MO -		0.20 0.20 0.15	0				
		 - ·	718_		Crush Zone, rough, . Joint; α90°, planar, narrow: 6-20mm, clean, .				0.40	0				
		_ 14 _			Crush Zone; α90°, smooth, planar, clay/gouge, . Crush Zone, .		MO	n	0.30					
		 - ·	717_		➤ lamination, rough, .				0.40					
<u></u>	TES: Borehole logged by Matakanui Gold Ltd.	and t	ransci	ribed to	o EGI template	LOGGED:		atel:-	38.0	0			111	Alton Drilling
		and t			5 = 5E tomplato	LUGGED:	iVI	ataka	ıııuı		ואט	ILLE	ι.	Alton Drilling



- +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.: MDD362

SHEET 4 OF 8

Job No.: 9702

HOLE STARTED: 27/08/2024 PROJECT: **BOGP** RL GROUND: 731.8 **HOLE FINISHED**: 04/09/2024 LOCATION: Bendigo DATUM: NZVD 2016

HOLE DEPTH: 35.0m

COORDINATES: East 1316258.0 North 5018870.0 INCLINATION: Vertical GRID: NZTM 2000 **ORIENTATION: Core Description Rock Defects Drilling & Testing** ROCK STRENGTH WATER LOSS (%) GEOLOGICAL UNIT FRACTURE FREQUENCY PT LOAD / UCS (MPa) ELEVATION RL (m) CORE LOSS (%) DRILLED LENGTH P00 WEATHERING WATER LEVEL CORE LENGTH / DEFECT DESCRIPTION **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS SAMPLES GRAPHIC & ADDITIONAL NOTES RQD (%) 5 5 5 0 0 2 2 2 Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation 0.35 Crush Zone; α90°, planar, rock ≷ ഗ 0.95 61 Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation Crush Zone; α90°, smooth, planar, 0.20 narrow: 6-20mm, clean, . 0.20 Shear Zone, smooth, . 0.40 100 Groundwater Not Encountered lamination; α90°, rough, planar, rock fragments, . 29 0.25 0.20 65 TZ3 ≷ MS 0.45 87 Joint. Joint; α90°, smooth, planar, rock 0.65 85 0.85

Joint; α50°, smooth, planar, narrow: 6

-20mm, clean,

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template LOGGED: Matakanui DRILLER: Alton Drilling

CHECKED: EGL **DRILL TYPE:**

0.70 100

94

EGL.



LOCATION:

BOGP

Bendigo

Engineering Geology Ltd

→ 1464 9 486 2546
info@egl.co.nz

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

www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD362

SHEET 5 OF 8

Job No.: 9702

HOLE STARTED: 27/08/2024 **HOLE FINISHED**: 04/09/2024

DATUM: NZVD 2016 HOLE DEPTH: 35.0m **COORDINATES:** East 1316258.0 North 5018870.0 INCLINATION: Vertical GRID: NZTM 2000 ORIENTATION:

RL GROUND: 731.8

	Core Description				Rock Defects				Drilling & Testing						ng 		
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES		FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS	. 75 (%)	CORE LENGIH / ITPE	SAMPLES	WATER LEVEL	25 WATER LOSS 50 %)	
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation		 		√Joint; α60°, rough, planar, clay/gouge,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								200			
		_ 21 _	711=					MU	SW					000			
	Sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm		710_		Fault; α90°, planar, clay/gouge, TGF.								0.50	001	Groundwater Not Encountered		
I nomson Gorge Fault			- -					MU	W				0.50	80			
			708_ - -										0:50	98			
			- - -										0.55	202			
			707_									: 1	0.55	06		1111	
TOI	FES: Borehole logged by Matakanui Gold Ltd	and t	ransc	ibed to	EGL template	.OG	GED:	ı	Mata	akar	nui				RILLI	ER:	Alton Drilling



- → 1464 9 486 2546
 info@egl.co.nz
 Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
 www.egl.co.nz
 www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD362

SHEET 6 OF 8

Job No.: 9702

HOLE STARTED: 27/08/2024 **RL GROUND**: 731.8

ORIENTATION:

PROJECT: BOGP LOCATION: **HOLE FINISHED**: 04/09/2024 Bendigo DATUM: NZVD 2016 HOLE DEPTH: 35.0m **COORDINATES:** East 1316258.0 North 5018870.0 INCLINATION: Vertical NZTM 2000

GRID: NZTM 2000 ORIENTATION:																
	Core Description				Rock Defects								Dri	lling &	& Testir	ng
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FRACTURE FREQUENCY FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS	COPE I ENGTH / TVBE	DOD (4/)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS
	Sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm		706_				NN	W			330 020	7				
Thomson Gorge Fault	Micaceous Carbonate breccia, black. Micaceous Carbonate breccia, light cream.		705_				NN NN	*			1 40	04:1		countered		
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation Core Loss. Pelitic Schist, grey and dark grey. Slightly deformed subhorizontal to coult inclined foliation.	_ 28 _	704_	C/L	Joint; α30°, planar, . Crush Zone; α45°, smooth, planar, narrow: 6-20mm, clean, .		wu uw	Ø			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 0	>	Groundwater Not Encountered		
TZ4	subhorizontal to gently inclined foliation	29	703_		Joint; α90°, smooth, planar, moderately wide: 60-200mm, clay/gouge, . Joint; α65°, smooth, planar, clean, .		UW	S			990					
			702_		Crush Zone; α45°, planar, . Joint; α40°, slickensided, planar, . Joint; α30°, smooth, undulating, clay/gouge, .						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	55:1				
NO.	TES: Borehole logged by Matakanui Gold Ltd.	and tr	ansc	ribed t	o EGL template	LOGGED:	ı	Mata	akar	nui			D	RILLE	R:	Alton Drilling

CHECKED: EGL



→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
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ROCK LOG

DRILLHOLE No.: MDD362

SHEET 7 OF 8

Job No.: 9702

HOLE STARTED: 27/08/2024

RL GROUND: 731.8 PROJECT: **BOGP HOLE FINISHED**: 04/09/2024 LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 35.0m **COORDINATES:** East 1316258.0 North 5018870.0 INCLINATION: Vertical ODIENTATION

Core Description ROCK / SOIL MATERIAL DESCRIPTION ROCK STRENGTH / TYPE ROCK / SW S S S S S S S S S S S S S S S S S	ELD TESTS
Pelitic Schist, grey and dark grey. Slightly deformed subhorizontal to gently inclined foliation Joint; α55°, planar, day/gouge, .	ELD TESTS
subhorizontal to gently inclined foliation 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, α90°, smooth, planar, clay/gouge, . Joint, α90°, smooth, planar, clay/gouge, .	
Joint; α55°, rough, planar, day/gouge,	
Joint; α90°, planar, day/gouge, . NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template LOGGED: Matakanui DRILLER: Alton D	

CHECKED: EGL



LOCATION:

GRID:

Engineering Geology Ltd

intering decloys 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.: MDD362

SHEET 8 OF 8

Job No.: 9702

> **HOLE STARTED**: 27/08/2024 **HOLE FINISHED**: 04/09/2024

Bendigo DATUM: NZVD 2016 HOLE DEPTH: 35.0m **COORDINATES:** East 1316258.0 North 5018870.0 INCLINATION: Vertical NZTM 2000 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	2 FRACTURE 10 FREQUENCY 50	¥.	ROCK STRENGTH	CORE LOS (%)	CORE LENGTH / TYPE	QD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS			

RL GROUND: 731.8

EOH: 35.00 m

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

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

LOGGED: Matakanui

DRILLER: Alton Drilling

CHECKED: EGL DRILL TYPE:

Client:	Santana	Minerals Limited	EGL Job No.		97	02
ME	GL 2	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752	Location:	Ber	_	Ophir Gold ject
and Dam B		www.egl.co.nz	Photograph By:	JF	Date:	September 2024
		_	_		•	•



Depth: 0 m to 1.3m



Depth: 1.3 m to 3 m

Client:	Santana	Minerals Limited	EGL Job No.		97	02
AHE(GL 5	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752	Location:	Ber	_	Ophir Gold ject
and Dam E		www.egl.co.nz	Photograph By:	JF	Date:	September 2024
				•	•	•



Depth: 3m-6m



Depth: 6m-8.65m

Client:	Santana	Minerals Limited	EGL Job No.	9702							
E Gestechni	GL 2 Scal, Earthquake	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752	Location:	Ber	ndigo – Pro	Ophir Gold ject					
and Dam E		www.egl.co.nz	Photograph By:	JF	Date:	September 2024					



Depth: 8.65m-10m

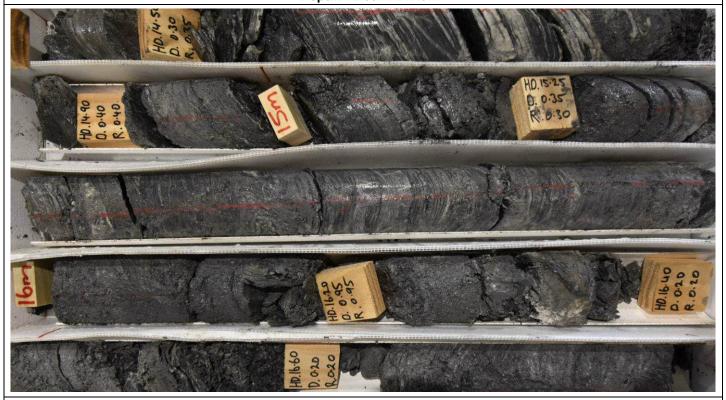


Depth: 10 m-12.35 m

Client:	Santana	antana Minerals Limited EGL Job No.			97	02
ME	GL 🖁	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PD Roy 201054, Albany, Auckland 0752	Location:	Ber	_	Ophir Gold ject
and Dam B		al, Earthquake PO Box 301054, Albany, Auckland 0752 gineers www.egl.co.nz		JF	Date:	September 2024
		_	_		•	•



Depth: 12.35m-14.45m



Depth: 14.45m-16.8m

Client:	Santana	Minerals Limited	EGL Job No.		97	02
ME	GL Sarthquake	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752	Location:	Ber	_	Ophir Gold ject
and Dam B		www.egl.co.nz	Photograph By:	JF	Date:	September 2024

MDD362 - CORE PHOTOGRAPHS

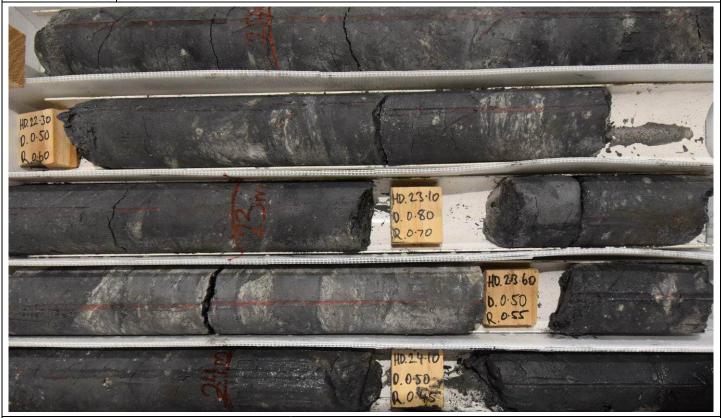


Depth: 16.8 m-19.35m



Depth: 19.35m-21.8m

Client:	Santana Minerals Limited EGL Job 1		EGL Job No.	9702								
A E	GL 🖁	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland BO Roy 201054, Albany, Auckland 0752	Location:	Ber	_	Ophir Gold ject						
	PO Box 301054, Albany, Auckland 0752 Engineers www.egl.co.nz Photograph By:		JF	Date:	September 2024							
					•	•						

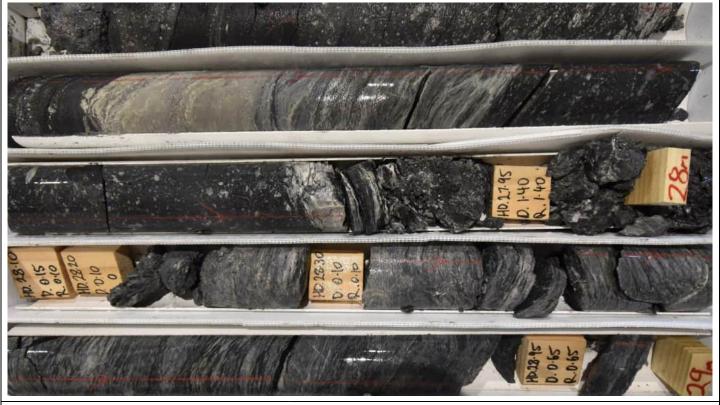


Depth: 21.8m-24.3m

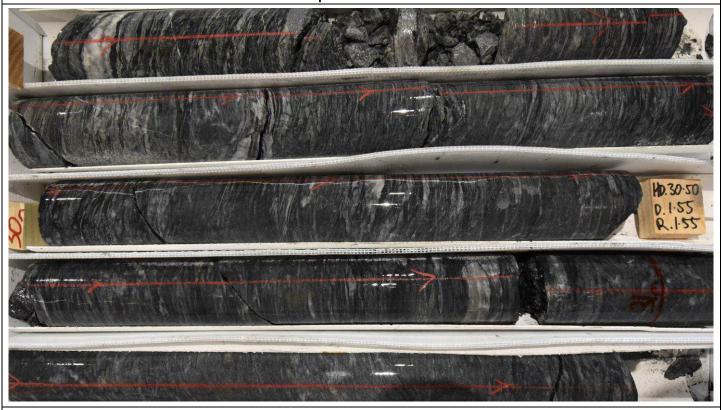


Depth: 24.3m – 26.55m

Client:	Santana	Minerals Limited	nerals Limited EGL Job No.		97	02
A E	GL J	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752	Location:	Ber	_	Ophir Gold ject
and Dam B		PO Box 301054, Albany, Auckland 0752 www.egl.co.nz	Photograph By:	JF	Date:	September 2024



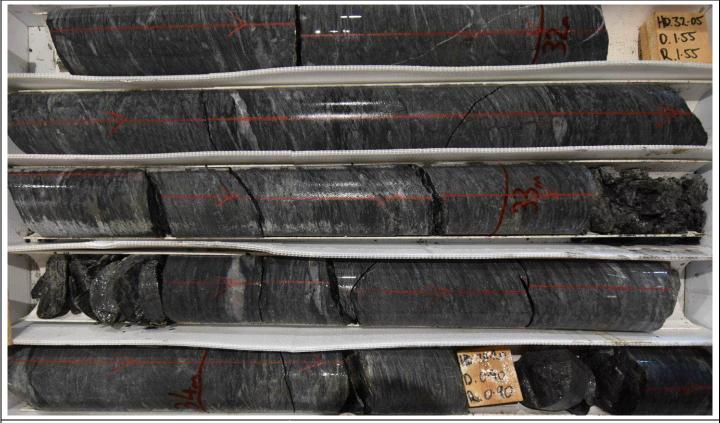
Depth: 26.55m-29m



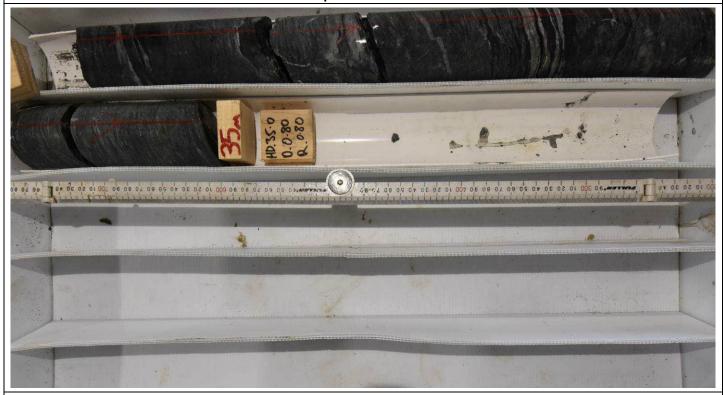
Depth: 29m-31.60m

Client:	Santana	Minerals Limited	EGL Job No.		97	02
AHE(GL 5	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752	Location:	Ber	_	Ophir Gold ject
and Dam E		www.egl.co.nz	Photograph By:	JF	Date:	September 2024
				•	•	•

MDD362 - CORE PHOTOGRAPHS



Depth: 31.60m-34.35m



Depth: 34.35m-35m



PROJECT:

Engineering Geology Ltd

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RL GROUND: 766.2

ROCK LOG

DRILLHOLE No.: MDD365

SHEET 1 OF 9

Job No.: 9702

HOLE STARTED: 05/09/2024

HOLE FINISHED: 19/09/2024 LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 44.3m COORDINATES: East 1316751 0 North 5018614 7 INCLINATION: Vertical GRID: NZTM 2000 **ORIENTATION: Core Description Rock Defects Drilling & Testing** ROCK STRENGTH PT LOAD / UCS (MPa) WATER LOSS (%) GEOLOGICAL UNIT FRACTURE FREQUENCY CORE LOSS ELEVATION RL (m) DRILLED LENGTH 9 WEATHERING WATER LEVEL DEFECT DESCRIPTION CORE LENGTH **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS SAMPLES GRAPHIC & ADDITIONAL NOTES RQD (%) 5 00 5 5 5 5 0 0 2 2 2 Silty GRAVEL; brown. Dry, loose, non-plastic. 0.40 0 0.25 0 Silty coarse SAND some coarse gravel; brown. N = 15 (C) 1.00m 3, 3, 4, 3, 4, 4 Moist loose. Silty GRAVEL; brown. Dry, loose, non-plastic. 0.20 0.30 N = 12 (C) 2.00m 3, 3, 4, 3, 2, 3 Silty coarse SAND some coarse gravel; brown. Moist, loose. Groundwater Not Encountered Silty GRAVEL; brown. Dry, loose, non-plastic. 0.10 0 0.45

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

Silty fine SAND; brown. Moist, loose.

Silty GRAVEL; brown. Dry, loose, non-plastic.

Silty fine to coarse SAND; brown. Moist, loose.

Clayey Gravel with some coarse sand; brown. Moist.

Washed Pelitic Schist fragments, grey, tabular up to 60mm by 20mm

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

763

LOGGED:

Matakanui

DRILLER: Alton Drilling

CHECKED: EGL **DRILL TYPE:**

0.45

10 0

0.30

0.15 0

0.45

0.15 0

0.40

N = 13 (C) 3.00m 2, 3, 4, 3, 3, 3

N = 12 (C) 4.00m 2, 3, 3, 3, 3, 3

EGL

TZ3



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info@egl.co.nz
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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 2 OF 9

Job No.: 9702

HOLE STARTED: 05/09/2024

HOLE FINISHED: 19/09/2024 LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 44.3m **COORDINATES:** East 1316751.0 North 5018614.7 INCLINATION: Vertical ODIENTATION

RL GROUND: 766.2

GF	RID: NZTM 2000	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 FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 50 75 (%)	CORE LENGTH / TYPE	SAMPLES	WATER LEVEL	25 WATER LOSS 50 %)	FIELD TESTS
	GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; medium to coarse, angular.		761_								0.45				N = 23 (C) 5.00m 5, 6, 5, 5, 6, 7
	Washed Pelitic Schist fragments, grey, tabular up to 60mm by 20mm	 	- -							<u>;;;</u>	0.20 0.35	4			
	GRAVEL some silt and fine sand; light brown. Moist, loose, non plastic. Gravels; medium to coarse, angular.	6 _ 	760_								0.45				N = 29 (C) 6.00m 4, 4, 6, 6, 7, 10
		 	-							7/2	30 0.25	+			
		- 7 - - 7 - 	759_								0.45 0.30		Encountered		N = 33 (C) 7.00m 7, 7, 6, 8, 7, 12
TZ3		 	_								0.20 0.35	4	Groundwater Not Encountered		
		_ 8 _ 	758_								0.45	I			N = 50 (C) 8.00m 7, 7, 8, 13, 15, 14
ad Witti core-co by core		 	-								20 0.20 0.15	>			
/2020 10.01.40 am = 1 10.00		- 9 - 	757_								0.20	I			N = 23 (C) 9.00m 4, 4, 5, 5, 6, 7
K LOS V. (test-infalled floe) - 17/07/2023 10:01:46 all - F1000060 with Core-5-5 by Genoc	Gravelly CLAY; grey. Moist, very stiff. Gravels; coarse, subangular to angular.	 	-								0.20 0.15 0.20	>			
NO	TES: Borehole logged by Matakanui Gold Ltd.	and to	ransc		o EGL template	LOGGED:		—⊥ ∕lata	ıkanı			DI	RILLE	R:	Alton Drilling

LOGGED: Matakanui

DRILLER: Alton Drilling

CHECKED: EGL DRILL TYPE:



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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 3 OF 9

Job No.: 9702

HOLE STARTED: 05/09/2024

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

GRID: NZTM 2000							_		OR	IENTA	TION:	
Core Description			Rock Defects						D	rilling	& Test	ing
ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY FREQUENCY	WEATHERING	ROCK STRENGTH	25 CORE LOSS 50 %)	CORE LENGTH / TYPE	RQD (%)	SAMPLES WATER LEVEL	25 WATER LOSS	
Gravelly CLAY; grey. Moist, very stiff. Gravels; coarse, subangular to angular. Pelitic Schist fragments, grey, polyhedral up to 20mm	75	66 - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						0.20 0.20 0.45	0 0 0	V		
	_ 11 _ _ 17 _ _ 75							0.45 0.15	0			N = 36 (C) 11.00m 4, 5 , 9, 10, 9, 8
							22	0.20 0.35	0 0	V		
173	_ 12 75							0.15 0.15 0.15 0.45 0.	0 0 0 0	Groundwater Not Encountered		N = 50 (C) 12.00m 7, 7, 9, 12, 13, 16
	_ 13 _ _ 13 _ _ 75 75							0.30 0.10 0.40 0.10 0.	0 0 0 0	V		N = 50 (C) 13.00m 6, 7, 8, 12, 22, 8
	- 14 - 75							0 0.15 0.10 0.10 0.45 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 trans	scribed to	o EGL template			latak	!!!	0.20	0	יייפת		
O. 20. Doronole logged by Matakanul Gold Etc	. unu ilaik	Johnstu (C 202 tomplate	_OGGED:	IVI	latak	atiul			DRILL	EK:	Alton Drilling

CHECKED: EGL



Bendigo

COORDINATES: East 1316751 0 North 5018614 7

PROJECT:

LOCATION:

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RL GROUND: 766.2

NZVD 2016

DATUM:

ROCK LOG

DRILLHOLE No.: MDD365

SHEET 4 OF 9

Job No.: 9702

HOLE STARTED: 05/09/2024 **HOLE FINISHED**: 19/09/2024

> **HOLE DEPTH:** 44.3m INCLINATION: Vertical

ORIENTATION: GRID: NZTM 2000 **Drilling & Testing Core Description Rock Defects** ROCK STRENGTH WATER LOSS (%) GEOLOGICAL UNIT FRACTURE FREQUENCY PT LOAD / UCS (MPa) ELEVATION RL (m) CORE LOSS (%) DRILLED LENGTH L0G WEATHERING WATER LEVEL DEFECT DESCRIPTION CORE LENGTH **ROCK / SOIL MATERIAL DESCRIPTION FIELD TESTS** SAMPLES GRAPHIC & ADDITIONAL NOTES RQD (%) 25 50 75 0 0 2 2 2 8 8 8 Pelitic Schist fragments, grey, polyhedral up to 20mm N = 50 (C) 15.00m 7, 8 , 10, 18, 17, 5 Š 0.40 0.15 0.20 0 \leq 0.25 N = 50 (C) 16.00m 7, 8, 14, 22, 14, 0 0.30 0.20 ≥ 0.15 0.20 0.15 N = 40 (C) 17.00m 7, 8, 8, 9, 9, 14 Groundwater Not Encountered 0.45 ≥ ≥ 0,10 0 10.10 \geq N = 46 (C) 18.00m 7, 7, 9, 11, 14, 12 0.45 ≷ 0.25 ≷ 0.20 N = 50 (C) 19.00m 7, 8, 10, 15, 16, 9 0.40 $\stackrel{>}{\sim}$ 0.20 ≷ 0.15 0.25 ≥ Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template NOTES: DRILLER: LOGGED: Matakanui Alton Drilling

CHECKED: EGL

DRILL TYPE:

EGL.



Bendigo

COORDINATES: East 1316751 0 North 5018614 7

PROJECT:

LOCATION:

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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 5 OF 9

Job No.: 9702

HOLE STARTED: 05/09/2024 **RL GROUND: 766.2 HOLE FINISHED**: 19/09/2024 DATUM: NZVD 2016

HOLE DEPTH: 44.3m INCLINATION: Vertical

ORIENTATION:

GRID: NZTM 2000 **Drilling & Testing Core Description Rock Defects** ROCK STRENGTH WATER LOSS (%) GEOLOGICAL UNIT FRACTURE FREQUENCY PT LOAD / UCS (MPa) CORE LOSS ELEVATION RL (m) DRILLED LENGTH L0G WEATHERING WATER LEVEL DEFECT DESCRIPTION CORE LENGTH **ROCK / SOIL MATERIAL DESCRIPTION FIELD TESTS** SAMPLES GRAPHIC RQD (%) & ADDITIONAL NOTES 0 0 2 2 2 8 8 8 Pelitic Schist fragments, grey, polyhedral up to 20mm N = 50 (C) 20.00m 5, 5, 6, 15, 29, 0 0.15 0 ≷ 0.30 0.20 N = 50 (C) 21.00m 7, 8, 16, 15, 18, 1 0.40 ≥ 0.20 10 ≥ N = 50+ (C) 22.00m 5, 5, 10, 16, 25, 0 ⋛ Groundwater Not Encountered 0.40 0.40 0.20 0 N = 49 (C) 23.00m 6, 7, 9, 11, 13, 16 ≷ 0.45 0.30 0 0.15 0 Sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm N = 50 (C) 24.00m 8, 8, 13, 22, 15, 0 0.35 Thomson Gorge Fault ≥ 0.15 0 ≥ 0.20 0.30 ≥ Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template NOTES: LOGGED: Matakanui DRILLER: Alton Drilling

CHECKED: EGL

DRILL TYPE:

딥



PROJECT:

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ROCK LOG

DRILLHOLE No.: MDD365

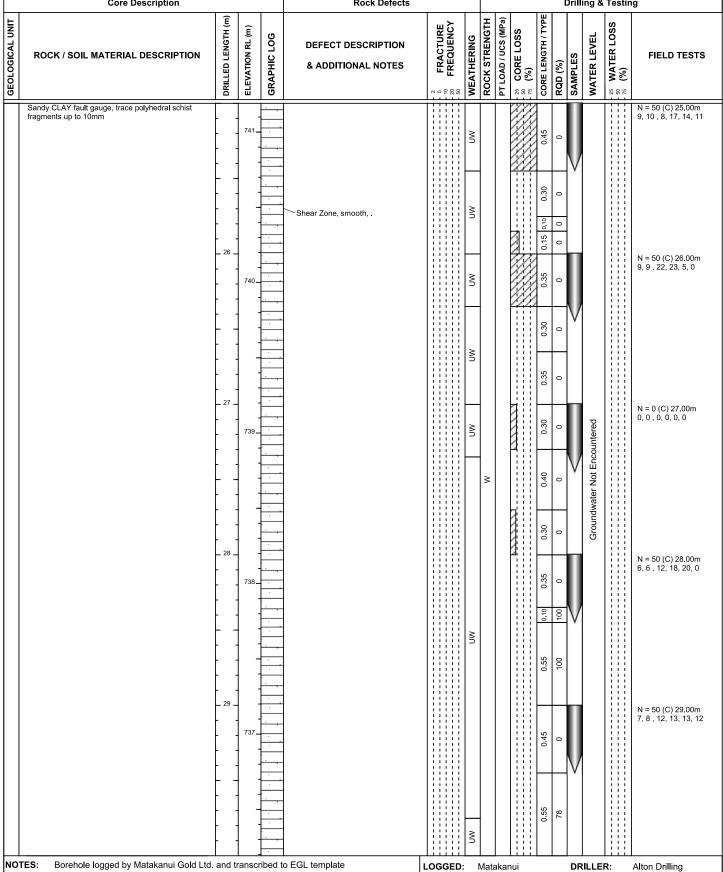
SHEET 6 OF 9

Job No.: 9702

HOLE STARTED: 05/09/2024 **HOLE FINISHED**: 19/09/2024

LOCATION: Bendigo DATUM: NZVD 2016 **HOLE DEPTH:** 44.3m COORDINATES: East 1316751 0 North 5018614 7 INCLINATION: Vertical ORIENTATION: GRID: NZTM 2000 **Drilling & Testing Core Description Rock Defects** L0G DEFECT DESCRIPTION

RL GROUND: 766.2



Matakanui

Alton Drilling

CHECKED: EGL **DRILL TYPE:**



Bendigo

PROJECT:

LOCATION:

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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 7 OF 9

Job No.: 9702

HOLE STARTED: 05/09/2024 **RL GROUND: 766.2** HOLE FINISHED: 19/09/2024 DATUM: NZVD 2016

HOLE DEPTH: 44.3m INCLINATION: Vertical

COORDINATES: East 1316751.0 North 5018614.7 GRID: NZTM 2000 **ORIENTATION: Core Description Rock Defects Drilling & Testing** ROCK STRENGTH WATER LOSS (%) FRACTURE FREQUENCY PT LOAD / UCS (MPa) GEOLOGICAL UNIT CORE LOSS ELEVATION RL (m) DRILLED LENGTH L0G WEATHERING WATER LEVEL DEFECT DESCRIPTION CORE LENGTH **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS SAMPLES GRAPHIC & ADDITIONAL NOTES RQD (%) 0 0 2 2 2 25 25 75 8 8 8 Sandy CLAY fault gauge, trace polyhedral schist fragments up to 10mm ≥ Pelitic Schist, grey and dark grey. Moderately deformed gently to moderately inclined foliation 8 40 S Joint, smooth, . Joint, . Joint, . Joint, rough, . ≷ Joint; α90°, planar, narrow: 6-20mm, 00. Joint; α90°, smooth, planar, 20 clay/gouge, Bedding, . S Groundwater Not Encountered ∑Joint, rough, . ∑Joint; α90°, planar, rock fragments, . Crush Zone, . 1.00 35 TZ4 Crush Zone; α90°, smooth, planar, narrow: 6-20mm, clean, Joint, smooth, . ≥ Fractured Zone; α90°, rough, planar, 733 rock fragments, . 00.1 33 S Joint, . Crush Zone; α90°, smooth, planar, Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation Joint; α50°, smooth, planar, narrow: 6 -20mm, clean, 1.50 \leq 4 Joint; α60°, rough, planar, clay/gouge

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

EGL

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

LOGGED: Matakanui DRILLER: Alton Drilling

DRILL TYPE: CHECKED: EGL



COORDINATES: East 1316751.0 North 5018614.7

LOCATION:

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ROCK LOG

DRILLHOLE No.: MDD365

INCLINATION:

Vertical

SHEET 8 OF 9

Job No.: 9702

HOLE STARTED: 05/09/2024 **RL GROUND**: 766.2 BOGP **HOLE FINISHED**: 19/09/2024 Bendigo DATUM: NZVD 2016 HOLE DEPTH: 44.3m

GRID: NZTM 2000 ORIEN										TATI	ON:					
	Core Description				Rock Defects								Drilli	ng &	Testin	g
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	- 2 FRACTURE - 20 FREQUENCY - 50	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation	36	731	CRAPH	Iamination; α90°, planar, clay/gouge, Joint; α30°, planar, . Joint; α45°, smooth, planar, narrow: -20mm, clean, . Joint; α90°, smooth, planar, moderately wide: 60-200mm, clay/gouge, . Joint; α65°, smooth, planar, clean, . Iamination; α45°, planar, . Crush Zone; α40°, slickensided, planar, . Fractured Zone; α30°, smooth, undulating, clay/gouge, . Iamination; α55°, planar, clay/gouge,	9	UW WEATH	VS VS ROCK	PTLOAI		0.60 0.50 0.40 1.50 0.60 1.10 1.50 CORELI	17 0 65 67 67 80 RQD (%)	SAMPL	Groundwater Not Encountered Groundwater Not Encountered		
\vdash	OTES: Borehole logged by Matakanui Gold Ltd	and tr	ansc	ribed t	o EGL template	LOGGED:	1	 Vlata	akar	nui	L°		DR	ILLE	R:	Alton Drilling

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

CHECKED: EGL DRILL TYPE:



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ROCK LOG

DRILLHOLE No.: MDD365

SHEET 9 OF 9

Job No.: 9702

HOLE STARTED: 05/09/2024

ORIENTATION:

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

GRID: NZ 1M 2000 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 FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 56 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 77 (%)	FIELD TESTS
	Pelitic Schist, grey and dark grey. Moderately deformed subhorizontal to gently inclined foliation		726.		Joint; α90°, planar, day/gouge, .						09:0	17				
			725.		Vein, smooth, . Joint, smooth.						1.10	55				
			724.		Joint, smooth.		NN	NS.			1.40	25		Groundwater Not Encountered		
			723.		Fractured Zone, smooth. Fractured Zone, smooth. Joint, smooth.									Grc		
		 - 44 -	722.		Fractured Zone, smooth. Fractured Zone, smooth.					1111	1.60	19				

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

Alton Drilling DRILLER:

DRILL TYPE: CHECKED: EGL

Client:	Santana	Minerals Limited	EGL Job No.		97	02
ME	SL Sal, Earthquake	ineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752	Location:	Ben	ndigo – (Pro	Ophir Gold ject
and Dam E	The state of the s	www.egl.co.nz	Photograph By:	JF	Date:	September 2024



Depth: 0 m to 1.45m



Depth: 1.45 m to 2.45 m

Client: Santana Minerals Limited		EGL Job No.	9702		
E Contactori	Engineering Geology Ltd → +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland		Location:	Bendigo – Ophir Gold Project	
	ical, Earthquake PO Box 301054, Albany, Auckland 0752 — Engineers	Photograph By:	JF	Date:	September 2024



Depth: 2.45m-3.45m



Depth: 3.45m-4m

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and Dam Engineers	A E	GL 🖁	+64 9 486 2546 info@egl.co.nz Unit 7C. 331 Rosedale Road, Albany, Auckland	Location:	C 1	
2024			Photograph By:	JF	Date:	September 2024



Depth: 4.45m-5.45m



Depth: 5.45 m-6.90 m

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



Depth: 6.9m-8.45m



Depth: 8.6m-9.8m

Client: Santana Minerals Limited		EGL Job No.	9702		02	
Engineering Geology Ltd J +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland		Location:	Bendigo – Ophir Gold Project			
and Dam E	cal, Earthquake Ingineers #	PO Box 301054, Albany, Auckland 0752 www.egl.co.nz	Photograph By:	JF	Date:	September 2024
					•	



Depth: 9.8 m-11.45m



Depth: 11.45m-12.45m

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

MDD365 - CORE PHOTOGRAPHS



Depth: 12.45m-13.95m



Depth: 13.95m-15.75m

Client: Santana Minerals Limited		EGL Job No.	9702			
MEGL		Engineering Geology Ltd	Location:	Ber	Bendigo – Ophir Gold Project	
	eotechnical, Earthquake nd Dam Engineers	PO Box 301054, Albany, Auckland 0752 www.egl.co.nz	Photograph By:	JF	Date:	September 2024

MDD365 - CORE PHOTOGRAPHS



Depth: 15.75m-17.85m



Depth: 17.85m-20.35m

Client:	Santana	Minerals Limited	EGL Job No.		97	02
A E	GL 5	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752	Location:	Ber	_	Ophir Gold ject
and Dam B		www.egl.co.nz	Photograph By:	JF	Date:	September 2024

MDD365 - CORE PHOTOGRAPHS



Depth: 20.35m-23m



Depth: 23m-25.85m

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and Dam E		www.egl.co.nz	Photograph By:	JF	Date:	September 2024
				•	•	•

MDD365 - CORE PHOTOGRAPHS



Depth: 25.85m-28m



Depth: 28m-30.25m

Client:	Santana	Minerals Limited	EGL Job No.		97	02
A E	GL J	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752	Location:	Ben	_	Ophir Gold ject
and Dam B		www.egl.co.nz	Photograph By:	JF	Date:	September 2024
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MDD365 - CORE PHOTOGRAPHS



Depth: 30.25m-32.7m



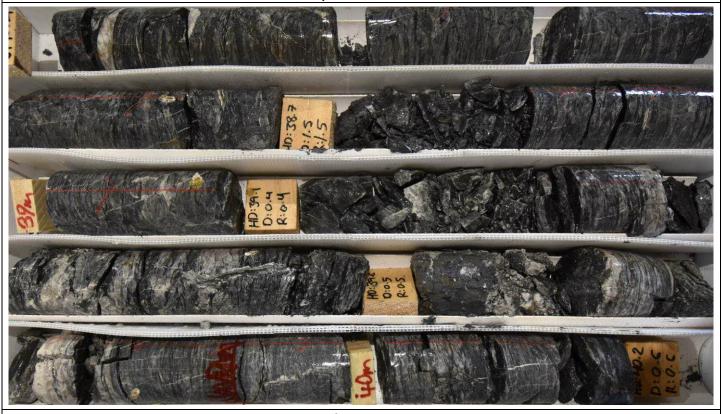
Depth: 32.7m-35.3m

Client:	Santana	Minerals Limited	EGL Job No.		97	02
A E	GL J	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752	Location:	Ber	_	Ophir Gold ject
and Dam B		www.egl.co.nz	Photograph By:	JF	Date:	September 2024

MDD365 - CORE PHOTOGRAPHS



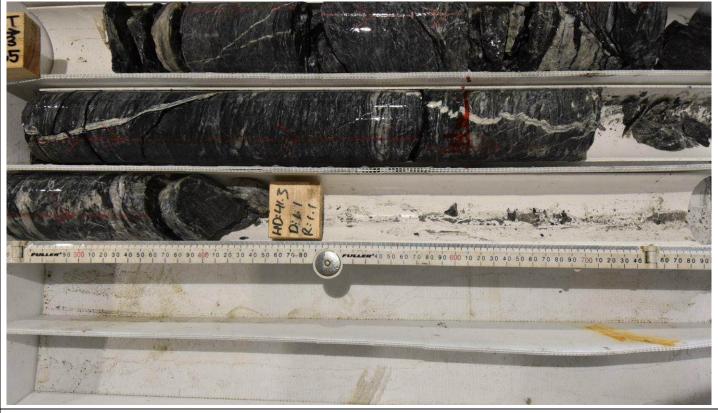
Depth: 35.3m-38m



Depth: 38m-40.2m

Client:	Santana	Minerals Limited	EGL Job No.		97	02
ME	GL 2	gineering Geology Ltd +64 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752	Location:	Ber	_	Ophir Gold ject
and Dam B		www.egl.co.nz	Photograph By:	JF	Date:	September 2024
		_	_		•	•

MDD365 - CORE PHOTOGRAPHS



Depth: 40.2m-41.3m



Depth: 41.3m-44.3m



ROCK LOG

DRILLHOLE No.: **MDD394**

SHEET 1 OF 7

Job No.: 9702

HOLE STARTED: 07/12/2024

PROJECT: RL GROUND: 594.6 BOGP **HOLE FINISHED**: 10/12/2024 LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 30.0m **COORDINATES**: East 1319759.6 North 5017190.4 INCLINATION: Vertical ODIENTATION

<u> </u>	ID: NZTM 2000				.									ITAT		
	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 FREQUENCY	WEATHERING	ROCK STRENGTH		CORE LOSS	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TEST:
Ī	Topsoil, dark brown, paleo channel.			۵″ ∠TS				i								
2		-	-	δη. η ης ης							0.40	0				
	Silty Clay, light brown, very stiff.			<u>2</u> ″TS <u>3∆</u>							-		-			
	, , , ,		594_	<u>هه</u> مه ۲۵ ع							0.40	0				
			394_	$\frac{\Delta L}{L} = \frac{\Delta L}{L}$							0					
				ىد كى TS خىد												
		- 1 -		<u>مد</u> مد ۲ TS							0.50	0				
Alluvium			-	<u> 20</u>			RS	EW								
₹] :	<u>ა</u> ი ⊵ TS <u>აი</u>							0.20	0				
			593_	<u>0 00</u> 20 2 TS												
				$\frac{\Delta L}{\Delta L}$							0.50	0				
		[.] :	۵۰۰ ۱ TS ۱ Δ۵		111111										
		_ 2 _ 		<u>0</u> <u>3Δ</u> 3Δ 2 TS										ъ		
				$\frac{\partial V}{\partial V} = \frac{\partial V}{\partial V}$							0.50	0		untere		
			:	20 ≥ TS 30										t Enco		
	Completely weathered T23; silty Gravel, dark grey, fine grain schist, with high presence of sericite.		592_	<i>></i>					ľ					Groundwater Not Encountered		
				X			CW	§			0.50	0		ewpun		
		٠.												Gro		
	Highly weathered TZ3, dark grey, moderately strong. Broken with some intact pieces, well foliated.	- 3 - - ·		汉	Crush Zone, Rock fragments.		Ž	MS			0.10					
	Use of the self Consideration of the self-self-self-self-self-self-self-self-						Ī	≥			0.20	0				
	Unweathered Semi-psammitic TZ3, black and white, moderately strong to strong. Thin metamorphic quartz segregation zones of crush zone small to				/	111111										
	medium size chips.		591_	\times	Crush Zone, rock fragments.											
23					Foliation Parting; α70°, smooth, planar, very narrow:						0.80	21				
								ω								
			· -	%			ΜN						1			
		ļ :	† ·		Fractured Zone, rock fragments.		ر									
		ļ .														
			590_		Joint, rock fragments.		-	\dashv			1.40	0				
			1 :					MS								
		/														
ЮТ	FES: Borehole logged by Matakanui Gold Ltd.	and t	ransc	ribed t	o EGL template	LOGGED:	M	latal	kanı	i			DR	ILLE	R:	Alton Drilling



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ROCK LOG

DRILLHOLE No.: MDD394

SHEET 2 OF 7

Job No.: 9702

HOLE STARTED: 07/12/2024

RL GROUND: 594.6 PROJECT: BOGP **HOLE FINISHED**: 10/12/2024 LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 30.0m **COORDINATES:** East 1319759.6 North 5017190.4 INCLINATION: Vertical GRID: NZTM 2000 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	1	FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LOSS	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	- 25 WATER LOSS 50 (%)	FIELD TESTS
	Unweathered Semi-psammitic TZ3, black and white, weak to strong. Thin metamorphic quartz segregation, zones of crush zone small to medium size chips.	- ·	- - -			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			MS			1.40	0				
		 	589 <u> </u>			1			8			0.20	0				
		- · · · · · · · · · · · · · · · · · · ·	-		Shear Zone, rock fragments. Joint; α70°, smooth, planar. Fractured Zone, rock fragments.							06:0	12				
			588_ -		Joint; α70°, smooth, planar. Fractured Zone.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			S			0.40	35	_			
		- 7 - - ·	- - - - -		Joint; α70°, smooth, undulating. Joint; α70°, smooth, planar. Joint; α40°, smooth, planar.							0.50	0		countered		
123	Multiple crush zones with some medium size gravel.		587_		Fractured Zone, smooth, planar, very narrow:	Ш		MΩ				0.50	0		Groundwater Not Encountered		
		_ 8 _ - ·	- - -		Fractured Zone, very narrow:	111			MS			09	0	-			
		 - ·	586_			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		•									
		- 9 - - 9 - - ·			Crush Zone, rock fragments. Joint; a60°, smooth, undulating. Fractured Zone, rock fragments. Joint; a60°, smooth, undulating, very	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			S			_	10				
		 	585_		narrow: Joint; α50°, smooth, undulating.	111											
101	TES: Borehole logged by Matakanui Gold Ltd.	and t	ranscr	ibed t	o EGL template	_OG	GED:	N	/ata	kanı	i			DR	ILLEI	₹:	Alton Drilling



Bendigo

COORDINATES: East 1319759.6 North 5017190.4

PROJECT:

LOCATION:

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

DATUM:

ROCK LOG

DRILLHOLE No.: MDD394

SHEET 3 OF 7

Job No.: 9702

HOLE STARTED: 07/12/2024 RL GROUND: 594.6 HOLE FINISHED: 10/12/2024 NZVD 2016

HOLE DEPTH: 30.0m INCLINATION: Vertical

GRID: NZTM 2000 **ORIENTATION: Core Description Rock Defects Drilling & Testing** ROCK STRENGTH GEOLOGICAL UNIT FRACTURE FREQUENCY PT LOAD / UCS (MPa) CORE LOSS ELEVATION RL (m) DRILLED LENGTH 9 WEATHERING WATER LEVEL DEFECT DESCRIPTION CORE LENGTH WATER I **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS SAMPLES GRAPHIC RQD (%) & ADDITIONAL NOTES v 2 8 8 20 20 8 8 8 Unweathered Semi peilitic/psammitic TZ3, black and white, strong. Well foliated and uniformed with minor √Joint; α70°, rough, planar, rock deformation; occasional large chucks of met metamorphic quartz segregation. Crush Zone, rock fragments. 0.40 0 Joint; α40°, rough, planar. Joint; α50°, smooth, planar. Fractured Zone, rock fragments. Fractured Zone, rock fragments. S Fractured Zone, rock fragments. 20 45 Joint; α50°, smooth, undulating. ∫Joint; α85°, rough, planar, rock Crush zone, dark grey, weak. Finely grained quartz, with minor presence of clay. ≥ Groundwater Not Encountered Unweathered Semi-psammitic TZ3, black and white, moderately strong. Occasional moderate chucks of metamorphic quartz segregation parallel to foliation, 1.10 \leq patches of broken crush zone. Crush Zone, rock fragments. MS Crush Zone, rock fragments. Joint; α50°, smooth, planar. 0.40 0 Crush Zone, rock fragments. Joint; α50°, smooth, planar, very 1.50 16 MS Fractured Zone, rock fragments.

Joint; $\alpha 30^{\circ}$, rough, planar, rock fragments.

Crush Zone, rock fragments. Joint; α50°, rough, planar, rock

fragments.

Rock Log v7 (test-inclined hole) - 4/03/2025 10:15:02 am - Produced with Core-GS by Geroc

EGL

LOGGED: Matakanui DRILLER: Alton Drilling

CHECKED: EGL **DRILL TYPE:**



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ROCK LOG

DRILLHOLE No.: MDD394

SHEET 4 OF 7

Job No.: 9702

HOLE STARTED: 07/12/2024

PROJECT: **BOGP** RL GROUND: 594.6 HOLE FINISHED: 10/12/2024 LOCATION: Bendigo DATUM: NZVD 2016 **HOLE DEPTH:** 30.0m COORDINATES: East 1319759.6 North 5017190.4 INCLINATION: Vertical GRID: NZTM 2000 **ORIENTATION: Core Description Rock Defects Drilling & Testing** LOSS 9 DEFECT DESCRIPTION **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS & ADDITIONAL NOTES

ROCK STRENGTH GEOLOGICAL UNIT FRACTURE FREQUENCY PT LOAD / UCS (MPa) DRILLED LENGTH WEATHERING **WATER LEVEL ELEVATION RL** CORE LENGTH WATER I CORE L SAMPLES GRAPHIC RQD (%) v 2 8 8 20 20 8 8 8 Unweathered Semi-psammitic TZ3, black and white, Crush Zone, rock fragments. weak to strong. Occasional moderate chucks of metamorphic quartz segregation parallel to foliation, patches of broken crush zone. Foliation Parting; α70°, rough, planar, Joint; α80°, smooth, undulating. Joint; α70°, rough, undulating, rock fragments 10 ΜS Joint; α40°, smooth, undulating. 16 Fractured Zone, rock fragments. Foliation with minor deformation, patches of large quartz segregation, schist is mainly intact with zones of broken clay material. 0.40 S 63 Crush Zone, rock fragments. Crush Zone; a70°, rough, planar, rock fragment Foliation Parting; α60°, slickensided, ≥ Foliation Parting; α35°, slickensided, planar, moderately narrow: 20-60mm, clay/gouge. 8 S Crush Zone; α55°, smooth, planar, 4 rock fragments. ≷ Groundwater Not Encountered Joint; α35°, rough, undulating, very TZ3 \leq Shear Zone; α55°, smooth, planar, 0.90 ΜS Foliation Parting; α60°, smooth, planar, very narrow: Foliation Parting; α55°, smooth, planar, narrow: 6-20mm, day/gouge. 0.80 0 Joint; α35°, defined ridges, planar, rock fragments.
Joint; α85°, smooth, planar, moderately wide: 60-200mm. Foliation Parting; α50°, smooth, planar, very narrow: Foliation Parting; α55°, smooth, planar, moderately narrow: 20-60mm. ഗ Joint; α55°, smooth, undulating, 30 46

clay/gouge.

Crush Zone; α75°, smooth, curved, rock fragments.

NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template LOGGED: Matakanui DRILLER: Alton Drilling

CHECKED: EGL **DRILL TYPE:**

EGL



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ROCK LOG

DRILLHOLE No.: MDD394

SHEET 5 OF 7

Job No.: 9702

HOLE STARTED: 07/12/2024

PROJECT: **BOGP** RL GROUND: 594.6 HOLE FINISHED: 10/12/2024 LOCATION: Bendigo DATUM: NZVD 2016 **HOLE DEPTH:** 30.0m COORDINATES: East 1319759.6 North 5017190.4 INCLINATION: Vertical GRID: NZTM 2000 **ORIENTATION: Core Description Rock Defects Drilling & Testing** ROCK STRENGTH GEOLOGICAL UNIT FRACTURE FREQUENCY PT LOAD / UCS (MPa) LOSS DRILLED LENGTH 9 WEATHERING **WATER LEVEL ELEVATION RL** DEFECT DESCRIPTION CORE LENGTH WATER I **ROCK / SOIL MATERIAL DESCRIPTION** CORE L FIELD TESTS SAMPLES GRAPHIC RQD (%) & ADDITIONAL NOTES 8 8 8 v 2 0 0 Foliation Parting; α45°, smooth, undulating, moderately narrow: 20-Unweathered Semi-psammitic TZ3, black and white strong. Foliation with minor deformation, patches of large quartz segregation, schist is mainly intact with zones of broken clay material. 30 46 Joint; α20°, defined ridges, undulating. Foliation Parting; α65°, smooth, planar, moderately wide: 60-200mm. Minor patches of large metamorphic quartz segregation parallel to foliation with minor deformation and folding. Foliation Parting; α35°, smooth, andulating, moderately narrow: 20-20 63 Joint; α40°, smooth, planar,

clay/gouge. Joint; α80°, smooth, planar, clay/gouge. TZ3 ഗ Increase in presence of crush/shear zone, multiple zone of repeated joints parallel to foliation, some carbonate veining cross cutting foliation. Foliation Parting; α55°, smooth, planar, moderately narrow: 20-60mm. Joint; α85°, smooth, planar. \leq Groundwater Not Joint; α45°, smooth, planar, rock .50 5 Joint; α70°, smooth, planar. 8 32 Core loss ^lJoint; α75°, smooth, planar. C/I

> Fault; α45°, smooth, planar, clay/gouge. Joint; a25°, rough, curved, moderately narrow: 20-60mm, 0.

Crush Zone; a70°, smooth, planar, clay/gouge.
Foliation Parting; α70°, smooth, planar, moderately narrow: 20-60mm

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

Unweathered Semi-psammitic TZ3, black and white, very weak. Increase in presence of crush/shear zone, multiple zone of repeated joints parallel to foliation, some carbonate veining cross cutting foliation, unit is mainly intact.

> LOGGED: Matakanui

≷

DRILLER: Alton Drilling

CHECKED: EGL **DRILL TYPE:**

8

Rock Log v7 (test-inclined hole) - 4/03/2025 10:15:02 am - Produced with Core-GS by Geroc

EGL

TZ3



Bendigo

PROJECT:

LOCATION:

Engineering Geology Ltd

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

RL GROUND: 594.6

NZVD 2016

DATUM:

ROCK LOG

DRILLHOLE No.: MDD394

SHEET 6 OF 7

Job No.: 9702

HOLE STARTED: 07/12/2024

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

COORDINATES: East 1319759.6 North 5017190.4 GRID: NZTM 2000 **ORIENTATION: Core Description Rock Defects Drilling & Testing** ROCK STRENGTH FRACTURE FREQUENCY GEOLOGICAL UNIT PT LOAD / UCS (MPa) CORE LOSS ELEVATION RL (m) DRILLED LENGTH L0G WEATHERING WATER LEVEL DEFECT DESCRIPTION CORE LENGTH WATER I **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS SAMPLES GRAPHIC RQD (%) & ADDITIONAL NOTES v 2 8 8 8 8 8 Unweathered Semi-psammitic TZ3, black and white, very weak. Increase in presence of crush/shear rock fragments. zone, multiple zone of repeated joints parallel to foliation, some carbonate veining cross cutting 8 ≷ 0 foliation, unit is mainly intact. Moderately strong. Unit becoming more broken and less intact, large chunks of metamorphic quartz segregation parallel to foliation with minor deformation. Joint; α55°, stepped, undulating, very 20 20 ΝS Vein, smooth, curved, narrow: 6-20mm, day/gouge. Crush Zone, rough, planar, moderately narrow: 20-60mm, carbonate. Groundwater Not Encountered Weak to moderately strong. Increase in presence of foliation parting and shearing, foliation is uniformed and continuous with some minor folding and kink, TZ3 $\stackrel{>}{\sim}$ small patches of broken shear zone. 1.50 MS ≥ 0.70 ΒS

Crush Zone, rough, wide: 200-600mm, rock fragments.

Vein, narrow: 6-20mm, Quartz.

Fault, rough, planar, narrow: 6-20mm, rock fragments.

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

LOGGED: Matakanui

≥

S

DRILLER: Alton Drilling

DRILL TYPE: CHECKED: EGL

0.00

0

EGL



Bendigo

COORDINATES: East 1319759.6 North 5017190.4

NZTM 2000

LOCATION:

GRID:

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ROCK LOG

DRILLHOLE No.: MDD394

SHEET 7 OF 7

Job No.: 9702

> **HOLE STARTED**: 07/12/2024 **HOLE FINISHED**: 10/12/2024 HOLE DEPTH: 30.0m

ORIENTATION:

RL GROUND: 594.6 DATUM: NZVD 2016 INCLINATION: Vertical

	Core Description				Rock Defects							Drill	ing &	Testin	g
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY FREQUENCY	WEATHERING	ROCK STRENGTH	CORE LOS	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS

EOH: 30.00 m

EGL - Rock Log v7 (test-inclined hole) - 4/03/2025 10:15:02 am - Produced with Core-GS by Geroc

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

DRILLER: Alton Drilling

CHECKED: EGL DRILL TYPE:



EGL Job No.	9702
Location:	Bendigo-Ophir Gold Project

End Date

10/12/2024

7/12/2024

Title:

MDD394 - CORE PHOTOGRAPHS

Start Date



Depth: 0m to 1.5m



Depth: 1.5m to 2.9 m



EGL Job	No.		970	2
Location	n:	E	Bendigo-Ophir	Gold Project
Start Date	7/12/	2024	End Date	10/12/2024

MDD394 - CORE PHOTOGRAPHS



Depth: 2.9m to 3.8m



Depth: 3.8m to 5.3m



EGL Job	No.		970	2
Location	n:	E	Bendigo-Ophir	Gold Project
Start Date	7/12/	2024	End Date	10/12/2024

MDD394 - CORE PHOTOGRAPHS



Depth: 5.3m to 7.0m





EGL Job No.	9702

Location: Bendigo-Ophir Gold Project

Start Date 7/12/2024

End Date

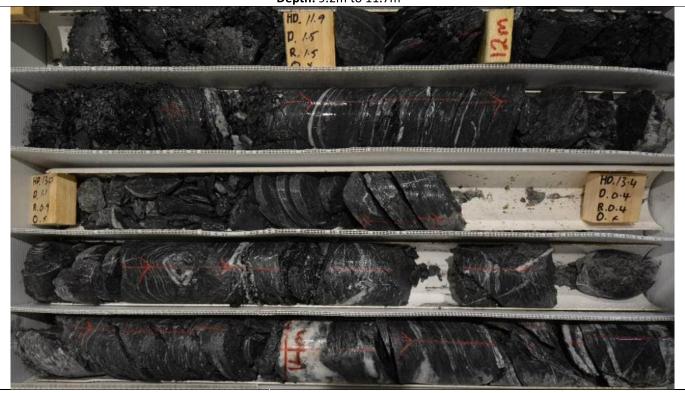
10/12/2024

Title:

MDD394 - CORE PHOTOGRAPHS



Depth: 9.2m to 11.7m



Depth: 11.7m to 14.40m



EGL Job No.	9702
Location:	Bendigo-Ophir Gold Project

End Date

10/12/2024

7/12/2024

Title:

MDD394 - CORE PHOTOGRAPHS

Start Date



Depth: 14.4m to 16m



Depth: 16.0m to 18.5m



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 Job No.	
-------------	--

Location:

Bendigo-Ophir Gold Project

9702

Start Date

7/12/2024

End Date

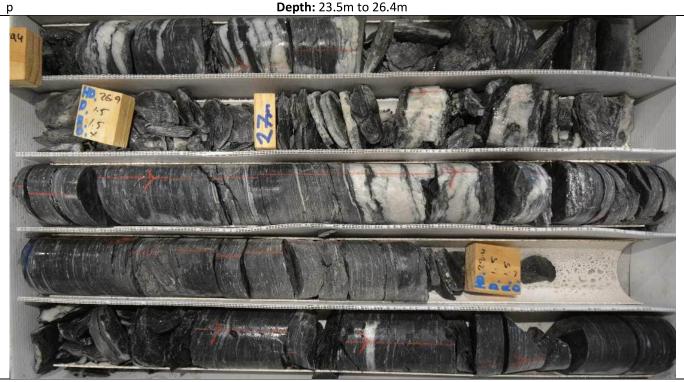
10/12/2024

Title:

MDD394 - CORE PHOTOGRAPHS



Depth: 23.5m to 26.4m

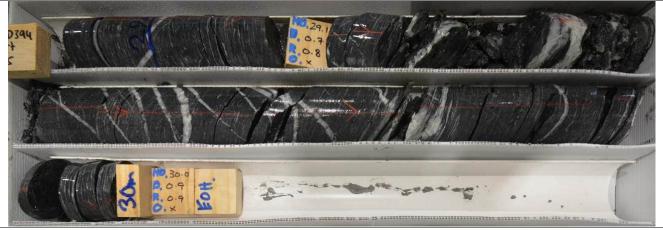


Depth: 26.4m to 28.9m



EGL Job	No.		970	2
Location	n:	E	Bendigo-Ophir	Gold Project
Start Date	7/12/	2024	End Date	10/12/2024

MDD394 - CORE PHOTOGRAPHS



Depth: 28.9m to 30m



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RL GROUND: 628.2

NZVD 2016

DATUM:

ROCK LOG

DRILLHOLE No.: MDD396

SHEET 1 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024 **HOLE FINISHED**: 18/12/2024

> HOLE DEPTH: 70.1m INCLINATION: 80°

COORDINATES: East 1319794.5 North 5017294.5

Bendigo

LOCATION:

1	RID: NZTM 2000	•												TATI		207°
	Core Description				Rock Defects								Drilli	ing &	Testi	ng
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	
TS	Organic Clayey SILT; dark brown. Very stiff, moist, low plasticity.		628_	26 2 TS 26 20							0:50	0				
	Silty CLAY; orange brown. Very stiff, moist, moderate plasticity.	 		× × ×									-			
		 	-	× × ×							0.20	0	-			
		 - 1 - 		× ×							0.40	0	-		1 1 1	
		 	627_	× ×							0.20 0.20	0 0	-			
E		 		× ×				M/			0.10 0.20	0 0	-			
Alluvium		 		× × ×							0.50	0				
		 	626_	× ×							0.		-	countered		
		 		× × ×							09.0	0		Groundwater Not Encountered		
		 	-	× × ×									-	Groundw		
		_ 3 _ 	625_	× ×							0.40	0				
	Core loss.	 		C/L					•		0:30	0				
			- -	C/L				W			0:30	0				
	Completely weathered TZ3; Silty CLAY with some gravel, minor angular cobbles. Hard, moist, moderate plasticity.	_ 4 _ 									0.20 0.10 0.10	0 0 0	- - -			
TZ3		- - 	624_	公公			CW	W			0.30	0				
		 	-					_			0.20	0				
	OTES: Borehole logged by Matakanui Gold Ltd.		ronas	公	a EGI tampleta	LOGGED:					0.20	0		ll I F	 	Alton Drilling

EGL - Rock Log v7 (test-indined hole) - 4/03/2025 10:17:22 am - Produced with Core-GS by Geroc

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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info@egl.co.nz
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ROCK LOG

DRILLHOLE No.: **MDD396**

SHEET 2 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024

PROJECT: **RL GROUND**: 628.2 **BOGP HOLE FINISHED**: 18/12/2024 LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 70.1m **COORDINATES:** East 1319794.5 North 5017294.5 INCLINATION: 80° NZTM 2000 ORIENTATION:

GRID:	NZTM 2000											OF	RIEN	ITATI	ON:	207°
	Core Description				Rock Defects								Drill	ing &	Test	ing
GEOLOGICAL UNIT	DIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 56 (%)	
Completely we gravel, minor a moderate plass	red TZ3; grey. Weak to moderately		623	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Joint; α80°, smooth, planar, moderately wide: 60-200mm, clay/gouge.		HW CW	MS W			0.70 0.50 0.50 0.50 0.50 0.40 0.20	0 0 0 0 0 0 0 0		Groundwater Not Encountered		
NOTES: Borel	ole logged by Matakanui Gold Ltd	and tr	ansc	ribed t	o EGL template	LOGGED:	-	Mata	akar	nui			DR	ILLE	R:	Alton Drilling

CHECKED: EGL DRILL TYPE:



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info@egl.co.nz
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ROCK LOG

DRILLHOLE No.: **MDD396**

SHEET 3 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024

LOCATION: **HOLE FINISHED**: 18/12/2024 Bendigo DATUM: NZVD 2016 HOLE DEPTH: 70.1m **COORDINATES**: East 1319794.5 North 5017294.5 INCLINATION: 80° ODIENTATION:

RL GROUND: 628.2

GF	RID: NZTM 2000											OR	IENT	ΓΑΤΙ	ON:	207°
	Core Description				Rock Defects								Orillir	ng &	Testi	ng
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	- 2 FRACTURE 10 10 10 10 10 10 10 10 10 10 10 10 10	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	- 25 WATER LOSS - 50 (%)	FIELD TESTS
	Highly weathered TZ3; grey. Weak to moderately strong.		618_		Foliation Parting; α70°, slickensided, planar, clay&gouge.											
			617_			1	HW	MS		1	1.60	63				
	Moderately Weathered.	 								1	0:30	06				
TZ3	Weathered clay in rock fragments.	_ 12 _ 	616_		ຸ້ Shear Zone, smooth, planar,			MS			0.40	37		Groundwater Not Encountered		
		 - 13 -	-		clay/gouge.						0.80	40		Groundwater N		
,	Core loss. Moderately weathered TZ3; brownish grey. Weak weathering along foliation and defects.		615_	C/L	Shear Zone, smooth, planar,		MW	Α								
		 - 14 - 	- -		moderately wide: 60-200mm, clay/gouge. Shear Zone, smooth, planar, clay/gouge.						1.30	33				
		 	614_		any googe.			MS MS		1	1.50	47				
? —	TES: Borehole logged by Matakanui Gold Ltd.	and tr	ansc	ribed t	o EGL template	LOGGED:	N	—— Лata	LLI akan	ui			DRI	LLE	R:	Alton Drilling
: [CHECKED		-01							VDE.	

CHECKED: EGL



Bendigo

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
www.egl.co.nz

RL GROUND: 628.2

NZVD 2016

DATUM:

ROCK LOG

DRILLHOLE No.: **MDD396**

SHEET 4 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024 **HOLE FINISHED**: 18/12/2024

> HOLE DEPTH: 70.1m INCLINATION: 80°

COORDINATES: East 1319794.5 North 5017294.5

PROJECT:

LOCATION:

	Core Description				Rock Defects								Drilli	ng &	Test	ing
100000000000000000000000000000000000000	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	2 FRACTURE 10 FREQUENCY 50 FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	
	Moderately weathered TZ3; brownish black. Weak to moderately strong. Highly fractured. Core loss.	16	613_	C.L. C.L.	Crush Zone, smooth, planar, rock fragments. Shear Zone, smooth, planar, clay/gouge.		WW	W MS			1.50	47				
2	Slightly weathered semi-pelitic TZ3; black and white. Strong.		612_		Joint, smooth, planar, clay/gouge.		NS NS				0.30	83 36		Groundwater Not Encountered		
	Unweathered semi-pelitic TZ3; black and white. Strong.	- 18	610_		Joint; α70°, smooth, planar, rock fragments. Joint; α60°, rough, planar, clay/gouge		UW	Ø			1.50	09		Ground		
		 	609_		Joint, smooth, planar, clay/gouge. Foliation Parting, smooth, planar, moderately narrow: 20-60mm, rock fragments.						1.50	20				

CHECKED: EGL



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ROCK LOG

DRILLHOLE No.: **MDD396**

SHEET 5 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024 **HOLE FINISHED**: 18/12/2024

LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 70.1m **COORDINATES:** East 1319794.5 North 5017294.5 INCLINATION: 80° NZTM 2000 ORIENTATION:

RL GROUND: 628.2

GF	NZTM 2000											01	RIEN	TAT	ON:	207°
	Core Description				Rock Defects						Les		Dril	ling 8	Test	ing
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE The second of the sec	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS	
	Unweathered semi-pelitic TZ3; black and white. Strong.				Joint, slickensided, undulating, clay/gouge.			s			1.50	20				
	Shear zone, grey, weak.	 	608_		Shear Zone; α70°, smooth, planar, clay/gouge.											
	Thin Metamorphic quartz segregation running parallel to foliation. Occasional large chunks of	- 21 - - 21 - 	- -		Fractured Zone.			M			1.40	44				
	metamorphic quartz segregations.		607_		Joint; α70°, smooth, undulating.	11111					_					
		- 			Joint; α70°, smooth, undulating.	111111				1111						
		22 _			Foliation Parting; α70°, smooth, curved. Shear Zone; α60°, rock fragments.	11111										
					Crush Zone; α40°, rock fragments.									ntered		
27			606_		Fractured Zone; α60°, rock fragments.	11111	NN							Not Encou		
•		 	606_		Joint; α70°, stepped, planar. Joint; α60°, smooth, planar.		٦				1.60	49		Groundwater Not Encountered		
		_ 23 _ 	- -		Joint; α70°, smooth, planar. Joint; α80°, smooth, planar. Joint; α70°, smooth, planar.			S								
		 	605_		Joint; α70°, smooth, planar. Joint; α60°, rough, planar, rock fragments.						0.10	0				
		 - 24 -			Fractured Zone; α80°, rock fragments.						0.20	0				
		 	604.		Joint; α70°, smooth, undulating. Foliation Parting; α40°, smooth, planar, very narrow:						1.20	88				
_	TES: Borehole logged by Matakanui Gold Ltd.	and tr	ansc		o EGL template	LOGGED:		Mat [*]	akar				DE	RILLE		

CHECKED: EGL



PROJECT:

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→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD396

SHEET 6 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024

LOCATION: **HOLE FINISHED**: 18/12/2024 Bendigo DATUM: NZVD 2016 HOLE DEPTH: 70.1m **COORDINATES:** East 1319794.5 North 5017294.5 INCLINATION: 80° GRID: NZTM 2000 ORIENTATION: 207°

RL GROUND: 628.2

GRID: NZTM 2000 ORIENTATION: 2 Core Description Rock Defects Drilling & Testing)7°	
E	Core Description	Ê			ROCK Defects			<u> </u>		Ⅱ		J	ng &		
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	E FRACTURE 10 FREQUENCY 50 WEATHERING	POCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS
	Unweathered TZ3; black and white. Strong. Semi pelitic. Thin Metamorphic quartz segregation running parallel to foliation. Occasional large chunks of metamorphic quartz segregations. Small patches of fracture and crush zones. Occasional large chunks of metamorphic quartz segregations running parallel to foliation. Well defined and uniform foliation with thin discontinuous carbonate veins cross cutting foliation.	 	603_		Shear Zone; α70°, clay/gouge.		<i>a</i>			1.20	88				
			- - - -		∕ Joint; α40°, stepped, planar.					1.50	54				
		 	602_		Joint; α70°, smooth, planar.										
		 			Joint; α70°, smooth, undulating.		0	,							
		 	-		Joint; α60°, smooth, planar.					1.50	72		countered		
TZ3		 	601_		Joint; α60°, smooth, planar. Joint; α70°, smooth, planar.	1:::::	A			,	7		Groundwater Not Encountered		
		 _ 28 _			Joint; α70°, smooth, planar.								Groundwa		
	Moderately strong.	 			Joint; α70°, smooth, planar. Joint; α70°, smooth, stepped. Crush Zone; α70°, rock fragments.										
		 	600_		Joint; α70°, rough, planar, rock fragments.										
		29	-		Fractured Zone, rock fragments. Fractured Zone, rock fragments.		S. A.	2		1.50	19				
		 	599_		Fractured Zone; α70°, rough, planar, rock fragments. Foliation Parting; α80°, smooth,		MS	2	-	1.50	41				
		-			planar. Joint; α60°, smooth, planar.										
NO	TES: Borehole logged by Matakanui Gold Ltd.	and ti	ansc	ribed to	o EGL template	LOGGED:	Ma	ataka	nui			DR	ILLE	R: Al	ton Drilling
						CHECKED:	EC	3L				DR	ILL T	YPE:	



LOCATION:

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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
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD396

SHEET 7 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024 **RL GROUND**: 628.2 **HOLE FINISHED**: 18/12/2024 DATUM: NZVD 2016

HOLE DEPTH: 70.1m 80°

COORDINATES: East 1319794.5 North 5017294.5 INCLINATION: GRID: NZTM 2000 ORIENTATION: 207°

Unweathered semi-petitic T2S; dark grey and white. Weak to moderately strong, Small patches of fracture and cries zones; Metamorphic quarts defined and uniform foliation with thin discontinuous carbonate veins cross cutting foliation. Joint; a70°, rough, planar, rock fragments. Joint; a70°, rough, planar, rock fragments. Joint; a70°, smooth, planar. Joint; a70°, smooth, planar. Joint; a70°, smooth, undulating. Fault, clay/gouge. Fault, clay/gouge.	Core Description				Rock Defects							Drill	ling 8	Test	ng
Vivolate of moderately strong. Strang patients of the strange o	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG		FRACTURE	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Unweathered semi-pelitic TZ3; dark grey and white. Weak to moderately strong. Small patches of fracture and crush zones; Metamorphic quartz segregations running parallel to foliation. Well defined and uniform foliation with thin discontinuous carbonate veins cross cutting foliation.		598	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	fragments. Joint; α70°, rough, planar, rock fragments. Joint; α80°, rough, planar, rock fragments. Joint; α30°, rough, planar, rock fragments. Crush Zone; α70°, rock fragments. Joint; α70°, smooth, undulating. Joint; α70°, smooth, planar. Joint; α70°, smooth, undulating. Fault, clay/gouge. Fault, clay/gouge. Shear Zone; α20°, rock fragments. Fractured Zone; α80°, rock fragments. Crush Zone; α80°, rock fragments. Joint; α80°, smooth, planar. Joint; α80°, smooth, planar. Joint; α80°, smooth, planar. Joint; α80°, smooth, undulating.			MS MS		1.60 0.80 1.40 1.50	19 44 41				

CHECKED: EGL



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NZVD 2016

RL GROUND: 628.2

DATUM:

ROCK LOG

DRILLHOLE No.: MDD396

SHEET 8 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024 **HOLE FINISHED**: 18/12/2024

ORIENTATION:

HOLE DEPTH: 70.1m INCLINATION: 80°

207°

COORDINATES: East 1319794.5 North 5017294.5

GRID: NZTM 2000

LOCATION:

<u> </u>	Core Description				Rock Defects		\top							Testi	207° na
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY FREQUENCY	WEATHERING ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 50 (%)	CORE LENGTH / TYPE			_	25 WATER LOSS 50 %)	FIELD TESTS
	Unweathered pelitic TZ3; black and white. Weak to moderately strong. Large chunks of Metamorphic quartz segregations, slight deformation, uniform and well defined foliation with minor tracing.		-		Joint; α10°, smooth, planar, rock fragments. Joint; α70°, smooth, undulating. Joint; α60°, smooth, curved.		SW			0	1		1		
		 - 36 -	593_		Joint; α50°, rough, planar, rock fragments. Fractured Zone; α60°, clay/gouge.		*			1.30	33				
		 	-		Fault; α60°, day/gouge. Crush Zone; α70°, rock fragments.					0.90	0	*			
	Thin Metamorphic quartz segregations; running parallel to foliation. Broken clay infill shear zone and uniform well defined foliation with minor folding.	 - 37 — 	592_		Joint; α70°, rough, planar, rock fragments. Shear Zone; α70°, clay/gouge.		SM			0			ntered		
TZ3	Fault, clay gauge, very weak.	 	591_		Fault; α80°, clay/gouge.		MO			1.20	46		Groundwater Not Encountered		
-	Unweathered pelitic TZ3; black and white. Weak to moderately strong. Thin Metamorphic quartz segregations; running parallel to foliation. Broken clay infill shear zone and uniform well defined foliation with minor folding.	38	-		Joint; α70°, smooth, planar. Shear Zone; α60°, rock fragments. Joint; α80°, smooth, planar, very narrow:							*	Gr		
		 - 39 -	590_		Joint; α80°, smooth, planar. Shear Zone; α35°, clay/gouge.		SM			1.20	0				
		 	- -		Shear Zone; α30°, clay/gouge. Shear Zone; α75°, clay/gouge.					30		,			
NOT	TES: Borehole logged by Matakanui Gold Ltd	and tr	589_	ribed t	Shear Zone; α45°, rock fragments.	LOGGED:	Ma	taka		1.60 0.30	32 0	וופת	LLEF		Alton Drilling

CHECKED: EGL



LOCATION:

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→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: **MDD396**

SHEET 9 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024 **HOLE FINISHED**: 18/12/2024

> HOLE DEPTH: 70.1m 80°

DATUM: NZVD 2016 **COORDINATES:** East 1319794.5 North 5017294.5 INCLINATION: NZTM 2000 ORIENTATION:

RL GROUND: 628.2

GRID: NZTM 2000											OI	RIEN	TATI	ON:	207°										
Core Description				Rock Defects								Drilli	ing &	Test	ing										
ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m) ELEVATION RL (m) GRAPHIC LOG				SRAPHIC LOG SRAPHIC LOG SAPHIC LO						DEFECT DE RENCH (m) WILLED LENGTH (m) MATERIAL DESCRIPTION R.					WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS	
Unweathered pelitic TZ3; black and white. Moderately strong. Thin Metamorphic quartz segregations; running parallel to foliation. Broken clay infill shear zone and uniform well defined foliation with minor folding.	- 41	588_ 588_	GRAPHIC	Joint; α60°, β120°, smooth, planar. Joint; α65°, β110°, smooth, planar, very narrow: Joint; α50°, β80°, rough, planar. Joint; α55°, smooth, planar. Fractured Zone; α60°, rock fragments. Joint; α80°, rough, undulating. Joint; α75°, smooth, planar. Joint; α65°, smooth, planar. Joint; α50°, smooth, planar. Joint; α50°, smooth, planar. Joint; α45°, β100°, rough, planar. Joint; α45°, β100°, rough, planar. Joint; α45°, β100°, smooth, planar. Joint; α45°, β100°, smooth, planar, narrow: 6-20mm.	2 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	UW WEATHE WEATHE	ROCK ST	PTLOAD	3.5 3.5	1.50 1.60 CORE LEN	84 41 32 RQD (%)	SAMPLE	Groundwater Not Encountered WATER I												
Large Metamorphic quartz segregation; running parallel to foliation. Unit is well foliated with minor folding and thin carbonate veining cross cutting foliation.		585_		Joint; a70°, β120°, smooth, undulating. Joint; a60°, β110°, smooth, undulating. Joint; a15°, β100°, smooth, undulating. Joint; a90°, β120°, smooth, planar, narrow: 6-20mm. Joint; a80°, rough, planar, rock fragments. Joint; a60°, smooth, undulating.						1.60	73														

CHECKED: EGL



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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 10 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024 **RL GROUND**: 628.2 PROJECT: BOGP LOCATION: **HOLE FINISHED**: 18/12/2024 Bendigo DATUM: NZVD 2016

COORDINATES: East 1319794.5 North 5017294.5

HOLE DEPTH: 70.1m INCLINATION: 80° ORIENTATION:

GR	ID: NZTM 2000				Pook Defeate									207°
	Core Description	Ê			Rock Defects		+,	: e		끮	-	-unini	y & Testing	3
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE 10 FREQUENCY 50	WEATHERING ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	25 WATER LOSS 50 (%)	FIELD TESTS
	Unweathered pelitic TZ3; black and white. Moderately strong. Large Metamorphic quartz segregation; running parallel to foliation. Unit is well foliated with minor folding and thin carbonate veining cross cutting foliation.	- · · · · · · · · · · · · · · · · · · ·			Joint; α85°, stepped, planar, rock fragments. Joint; α50°, smooth, planar. Joint, β120°, smooth, planar.					1.60	73			
		_ 46 _	583.		√Joint, β120°, smooth, undulating. ✓Joint, smooth, planar.									
] 		Joint, smooth, undulating, very narrow: Joint, smooth, planar. Joint, rough, planar. Joint, smooth, planar, narrow: 6-									
		 - 47 -	582.							1.50	11	-		
173					Joint, smooth, stepped. Fractured Zone, rock fragments. Fractured Zone, rock fragments.		MΩ σ					.		
		_ 48 _	581.		Joint, rough, stepped, rock fragments. Joint, smooth, planar.							(
		 			Joint, smooth, stepped, rock fragments.					1.50	84			
		 - 49 -	580.		Joint, smooth, undulating. Joint, smooth, planar. Joint, smooth, planar.									
		- ·			Joint, stepped, planar. Joint, smooth, undulating, rock fragments. Joint, smooth, planar.					1.50	65			
		- ·	579.		Joint, smooth, curved.									
101	FES: Borehole logged by Matakanui Gold Ltd.	and t	ransc	ribed t	o EGI template	OGGED:	N/a	ıtaka				DRIL	ED.	Alton Drilling



Bendigo

COORDINATES: East 1319794.5 North 5017294.5

PROJECT:

LOCATION:

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+64 9 486 2546 info@egl.co.nz

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RL GROUND: 628.2

NZVD 2016

DATUM:

ROCK LOG

DRILLHOLE No.: MDD396

SHEET 11 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024 HOLE DEPTH: 70.1m

INCLINATION: 80° ORIENTATION: 207°

GRID: NZTM 2000 **Core Description Rock Defects Drilling & Testing** ROCK STRENGTH GEOLOGICAL UNIT FRACTURE FREQUENCY PT LOAD / UCS (MPa) CORE LOSS ELEVATION RL (m) DRILLED LENGTH 9 WEATHERING WATER LEVEL DEFECT DESCRIPTION CORE LENGTH WATER I **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS SAMPLES GRAPHIC RQD (%) & ADDITIONAL NOTES v 2 8 8 20 20 8 8 8 Unweathered pelitic TZ3; black and white. Moderately strong to strong. Large Metamorphic Joint, smooth, planar. quartz segregation; running parallel to foliation. Unit is well foliated with minor folding and thin carbonate Joint, smooth, undulating. 1.50 ഗ 65 Joint. veining cross cutting foliation. 00. S 29 Fault, clay/gouge. Joint, very rough, planar, rock fragments. Fractured Zone, planar, rock fragments.
Joint, smooth, planar, rock fragments. Joint, smooth, planar. Fractured Zone, rock fragments. 0.20 Joint, smooth, planar. Joint, smooth, planar. Joint, smooth, planar. Crush Zone, rock fragments. Joint, very rough, planar. Joint, very rough, planar, narrow: 6-Groundwater Not Encountered 20mm. Joint, very rough, planar. Joint, very rough, planar. Joint, smooth, planar, rock fragments. 1.50 77 TZ3 \leq Joint, smooth, curved. ഗ Joint, smooth, undulating. Fractured Zone, undulating, rock Joint, smooth, planar, rock fragments. Fractured Zone, rock fragments. 0.80 54 Joint, smooth, planar. Joint, very rough, planar. Joint, very rough, planar. Joint, smooth, planar. Joint, rough, planar, moderately wide 60-200mm, rock fragments. ഗ 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

- Rock Log v7 (test-inclined hole) - 4/03/2025 10:17:22 am - Produced with Core-GS by Geroc

EGL

CHECKED: EGL **DRILL TYPE:**



PROJECT:

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→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: **MDD396**

SHEET 12 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024

LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 70.1m **COORDINATES:** East 1319794.5 North 5017294.5 INCLINATION: 80° NZTM 2000 ORIENTATION:

RL GROUND: 628.2

GRI	D: NZTM 2000										OF	RIENT	ATIO	N : 207°
	Core Description				Rock Defects	1 1				Lu		Drillin		esting
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE 10 FREQUENCY 50	WEATHERING	PT I DAD / IICS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES		FIELD TESTS (%) (%) (%) (%)
	Unweathered pelitic TZ3; black and white. Strong. Large Metamorphic quartz segregation; running parallel to foliation. Unit is well foliated with minor folding and thin carbonate veining cross cutting foliation.		574_		Joint, stepped, planar, moderately wide: 60-200mm.					1.50				
TZ3		57 _	- - - 572_ - -		Joint, smooth, planar, moderately narrow: 20-60mm.		WN	n		1.50	37		iter Not Encountered	
		- 58	571_ - - - - -		Joint, β270°, rough, planar, rock fragments.									
		- 59	570_							1.50	40			
тои	TES: Borehole logged by Matakanui Gold Ltd.	and to	ransor	ibed to	p FGL template			atale		1.50	30	ייפט פ		Alton Drilling
	Solonolo logged by Matakanul Cold Etd.	and l	. a. 1301	u l	- SE template	LOGGED:	IVI	ataka	ariul			וואט	.LER	: Alton Drilling



→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
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ROCK LOG

DRILLHOLE No.: MDD396

SHEET 13 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024

RL GROUND: 628.2 BOGP **HOLE FINISHED**: 18/12/2024 LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 70.1m **COORDINATES:** East 1319794.5 North 5017294.5 INCLINATION: 80° GRID: NZTM 2000 ORIENTATION: 207°

	Core Description				Rock Defects							ı	Orilli	ng &	Testing	
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	- 5 - 5 - 10 - 20 - 50 - 50 - 50	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 56 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS
	Unweathered pelitic TZ3; black and white. Strong, Large Metamorphic quartz segregation; running parallel to foliation. Unit is well foliated with minor folding and thin carbonate veining cross cutting foliation.	- · · · · · · · · · · · · · · · · · · ·	569_	***************************************							1.50	30				
			- - - - - - - - - - - - -		Foliation Parting, smooth, planar, moderately narrow: 20-60mm, clay/gouge. Joint, β200°, smooth, stepped, clay/gouge. Joint, β180°, defined ridges, planar.			S			1.50	50		untered		
123			566 _		∕ Joint, rough, planar, very narrow:		WU				1.40	99		Groundwater Not Encountered		
	Moderately strong, Metamorphic quartz bands have abundant fractures that run near perpendicular to the bands making quartz very crumbly.	· · · · · · · · · · · · · · · · · ·	- 565_		Joint, β185°, stepped, curved. Joint, β200°, defined ridges, planar, day/gouge.											
		 - ·	-		Foliation Parting, smooth, planar, narrow: 6-20mm. Joint, defined ridges, stepped, moderately narrow: 20-60mm.			MS			1.40	6				
101	FES: Borehole logged by Matakanui Gold Ltd.	and t	ranscı	ibed to	o EGL template	LOGGED:	M	latal	kanı	ıi.			DR	ILLEF	2 · Δ	Iton Drilling



- → 1464 9 486 2546
 info@egl.co.nz
 Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
 www.egl.co.nz
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ROCK LOG

DRILLHOLE No.: MDD396

SHEET 14 OF 15

Job No.: 9702

RL GROUND: 628.2 BOGP

HOLE FINISHED: 18/12/2024 HOLE DEPTH: 70.1m

HOLE STARTED: 12/12/2024

LOCATION: Bendigo DATUM: NZVD 2016 **COORDINATES:** East 1319794.5 North 5017294.5 INCLINATION: 80° NZTM 2000 ORIENTATION:

GKI	D : NZTM 2000											OF	RIEN	TATI	ON:	207°
	Core Description				Rock Defects							ı	Drilli	ng &	Testin	g
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	- 5 5 FRACTURE - 10 - 20 FREQUENCY - 50	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 75 (%)	FIELD TESTS
	Unweathered pelitic TZ3; black and white. Moderately strong to strong. Metamorphic quartz bands have abundant fractures that run near perpendicular to the bands making quartz very crumbly.		564_	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Joint, defined ridges, stepped.			MS			1.50	0				
27			562_		Crush Zone, smooth, planar, rock fragments.		NN	2			1.20	29		Groundwater Not Encountered		
		68	561_		Joint, β210°, defined ridges, planar, moderately wide: 60-200mm. Foliation Parting, β220°, planar. Joint, stepped, planar, moderately narrow: 20-60mm, rock fragments.			S			1.30	0		Groundwate		
		- 69	560		Crush Zone, β80°, smooth, planar, rock fragments.			MS MS			0.70	0	_			
L IOT	ES: Borehole logged by Matakanui Gold Ltd.	and tr	ansc	ibed to	o EGI template	LOGGED:		Mat	 akar]			╙	ILLEI	<u> </u> 	Alton Drilling

CHECKED: EGL



Bendigo

COORDINATES: East 1319794.5 North 5017294.5

NZTM 2000

LOCATION:

GRID:

Engineering Geology Ltd

intering decloys 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.: MDD396

SHEET 15 OF 15

Job No.: 9702

HOLE STARTED: 12/12/2024

HOLE FINISHED: 18/12/2024 HOLE DEPTH: 70.1m

INCLINATION: 80° ORIENTATION: 207°

Core Descri	ption		Rock Defects	Drilling & Testing										
GEOLOGICAL UNIT	DRILLED LENGTH (m)	GRAPHIC LOG	Saton Transparence results and results and results res	WEATHERING	PT LOAD / UCS (MPa) PT LOAD / UCS (MPa) 22 CORE LOSS 50 (%)	CORE LENGTH / TYPE	SAMPLES	WATER LEVEL	- 25 WATER LOSS - 50 (%)	FIELD TESTS				
Unweathered pelitic TZ3; black and wh	nite.	$\overline{\Sigma}$		≥	S	02.		Ì	1:::					

NZVD 2016

RL GROUND: 628.2

DATUM:

unwearnered pelitic I 23; black and white. Moderately strong to strong. Metamorphic quartz bands have abundant fractures that run near perpendicular to the bands making quartz very crumbly.

EOH: 70.10 m

EGL - Rock Log v7 (test-inclined hole) - 4/03/2025 10:17:22 am - Produced with Core-GS by Geroc

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

LOGGED: Matakanui DRILLER: Alton Drilling

CHECKED: EGL DRILL TYPE:



EGL Job	No.		9702											
Location	n:	В	Bendigo-Ophir Gold Project											
Start Date	12/12	/2024	End Date	18/12/2024										

MDD396 - CORE PHOTOGRAPHS



Depth: 0m to 1.2m



Depth: 1.2m to 2.3 m



EGL Job No.		9702		
Location:		Bendigo-Ophir Gold Project		
Start Date	12/12/2024		End Date	18/12/2024



Depth: 2.3m to 4.6m



Depth: 4.6m to 6.4m



Location:	Bendigo-Ophir Gold Project
EGL Job No.	9702

12/12/2024

End Date

18/12/2024

Title:



Depth: 6.4m to 8.3m



Depth: 8.3m to 10.3m



EGL Job No.	9702
Location:	Bendigo-Ophir Gold Project

End Date

18/12/2024

12/12/2024

Title: MDD396 - CORE PHOTOGRAPHS

Start Date

Depth: 10.3m to 12.3m



Depth: 12.3m to 15.2m



EGL Job No.	9702
Location:	Bendigo-Ophir Gold Project

12/12/2024

End Date

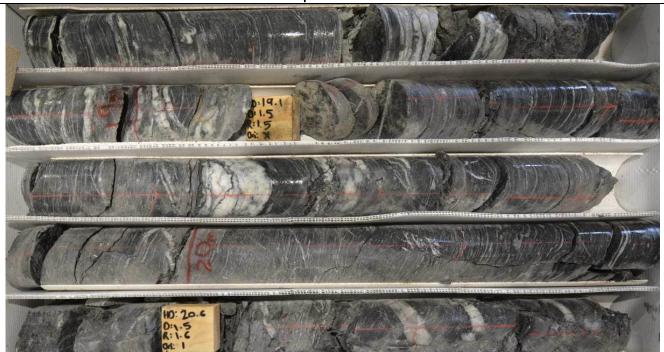
18/12/2024

Title:

MDD396 - CORE PHOTOGRAPHS



Depth: 15.2 to 18.4m



Depth: 18.4m to 21.0m



EGL Job No.	9702
Location:	Bendigo-Ophir Gold Project

12/12/2024

End Date

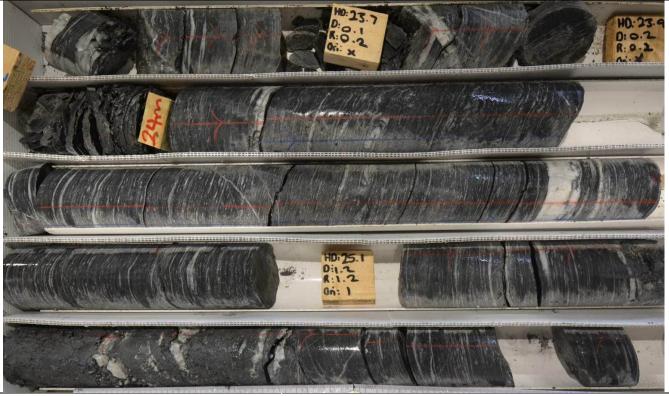
18/12/2024

Title:

MDD396 - CORE PHOTOGRAPHS



Depth: 21.0 to 23.6m



Depth: 23.6m to 25.8m



EGL Job No.	9702		
Location:	Bendigo-Ophir Gold Project		

12/12/2024

End Date

18/12/2024

Title:



Depth: 25.8m to 28.5m



Depth: 28.5m to 31.1m



EGL Job No.	9702		
Location:	Bendigo-Ophir Gold Project		

12/12/2024

End Date

18/12/2024

Title:



Depth: 31.3m to 33.3m



Depth: 33.3m to 35.8m



EGL Job No.	9702
Location:	Bendigo-Ophir Gold Project

12/12/2024

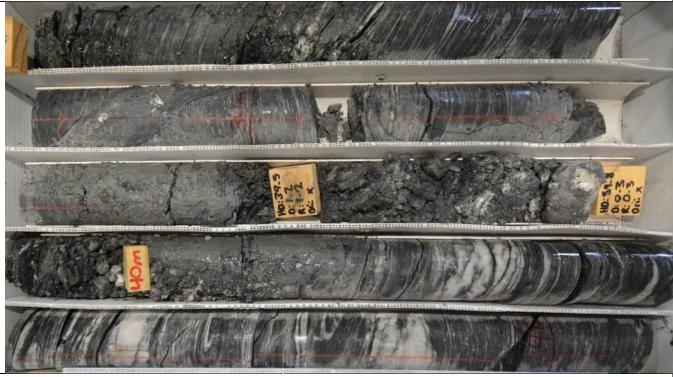
End Date

18/12/2024

Title:



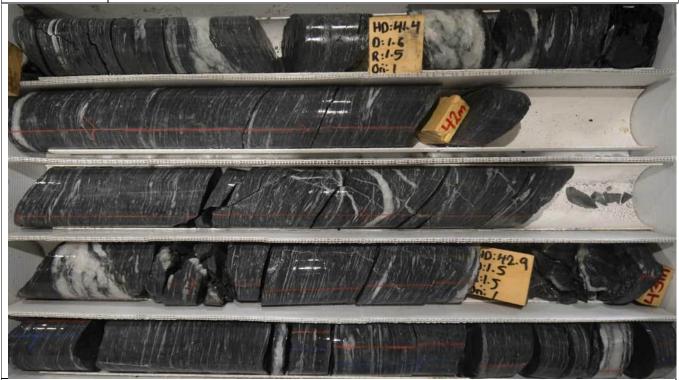
Depth: 35.8m to 38.3m



Depth: 38.3m to 41.1m



EGL Job No.		9702		
Location:		Bendigo-Ophir Gold Project		
Start Date	12/12/2024		End Date	18/12/2024



Depth: 41.1m to 43.6m



Depth: 43.6m to 46.0m



EGL Job No.	9702
Location:	Bendigo-Ophir Gold Project

12/12/2024

End Date

18/12/2024

Title:



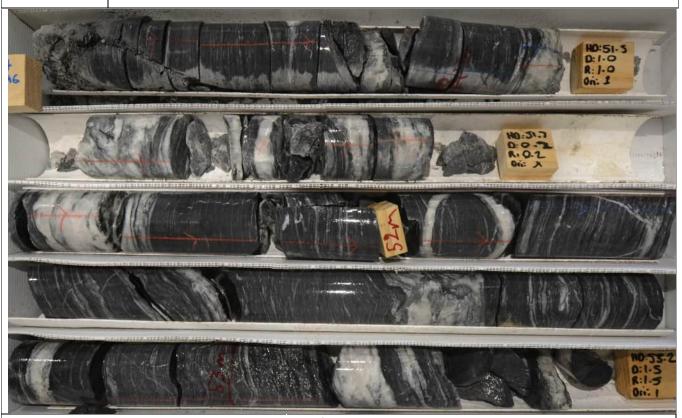
Depth: 46.0m to 48.4m



Depth: 48.4m to 51.0m



EGL Job No.		9702		
Location:		Bendigo-Ophir Gold Project		
Start Date	12/12/2024		End Date	18/12/2024



Depth: 51m to 53.3m



Depth: 53.3m to 55.8m



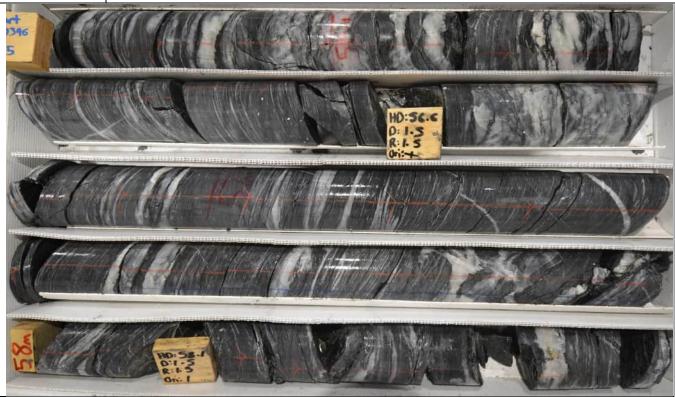
EGL Job No.	9702
Location:	Bendigo-Ophir Gold Project

12/12/2024

End Date

18/12/2024

Title:



Depth: 55.8m to 58.4m



Depth: 58.4m to 61.1m



Location: Bendigo-Ophir Gold Project	ct

12/12/2024

End Date

18/12/2024

Title:



Depth: 61.1m to 63.9m



Depth: 63.9m to 66.6m



EGL Job No.	9702
Location:	Bendigo-Ophir Gold Project

End Date

18/12/2024

12/12/2024

Title:

MDD396 - CORE PHOTOGRAPHS

Start Date



Depth: 66.6m to 69.0m



Depth: 69.0m to 70.1m



LOCATION:

EGL - Rock Log v7 (test-indined hole) - 4/03/2025 10:18:00 am - Produced with Core-GS by Geroc

BOGP

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→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 1 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025 **HOLE FINISHED**: 17/01/2025

> HOLE DEPTH: 70.1m

COORDINATES: East 1319629.1 North 5017032.7 INCLINATION: 70° NZTM 2000 ORIENTATION:

DATUM:

RL GROUND: 683.9

NZVD 2016

GRI	D: NZTM 2000											OF	RIEN	TATI	ON:	25°
	Core Description				Rock Defects								Drilli	ng &	Testir	ng
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	- 25 WATER LOSS - 50 (%)	FIELD TESTS
Alluvium	Sitty CLAY; brown. Very stiff, moist, moderate plasticity. Completely weathered TZ3, Sitty CLAY; brown. Hard, moderate plasticity.		683_					MA MA			0.95 0.45 0.30 0.40 0.30 0.40 0.40 0.30 0.80 0.80 0.40 0.30			Groundwater Not Encountered		
NOT	ES: Borehole logged by Matakanui Gold Ltd.	and tr	ansc	ribed t	o EGL template	LOGGED:	I	Mata	L akar	nui			DR	ILLE	R:	Alton Drilling

CHECKED: EGL



Bendigo

COORDINATES: East 1319629.1 North 5017032.7

PROJECT:

LOCATION:

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+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

RL GROUND: 683.9

NZVD 2016

DATUM:

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 2 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025 HOLE DEPTH: 70.1m

INCLINATION: 70° ORIENTATION: 25°

GRID: NZTM 2000 **Drilling & Testing Core Description Rock Defects** DRILLED LENGTH (m) ROCK STRENGTH WATER LOSS (%) GEOLOGICAL UNIT FRACTURE FREQUENCY PT LOAD / UCS (MPa) ELEVATION RL (m) CORE LOSS (%) L0G WEATHERING **WATER LEVEL** CORE LENGTH / DEFECT DESCRIPTION **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS SAMPLES GRAPHIC & ADDITIONAL NOTES RQD (%) 5 5 5 0 0 2 2 2 Completely weathered TZ3, Silty CLAY; brown. Hard, moderate plasticity. 0.95 ≶ 0.60 0.30 ≶ 0.30 S 0.50 S/ Groundwater Not Encountered 0.65 ≷ Core loss. C/L C/L 0 ≷ C/L 0.20 Completely weathered TZ3, Silty CLAY; brown. Hard, moderate plasticity. 0.20 0 0.30 0 ≷ 0.40 0.40 NOTES: Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template DRILLER:

LOGGED:

CHECKED: EGL

Matakanui

Alton Drilling



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→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 3 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025 **RL GROUND**: 683.9 **HOLE FINISHED**: 17/01/2025

LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 70.1m **COORDINATES:** East 1319629.1 North 5017032.7 INCLINATION: 70° GRID: NZTM 2000 ORIENTATION: 25°

	Core Description				Rock Defects									ing &	Testi	25° ng
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE TO FREQUENCY TO FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 75 (%)	FIELD TESTS
	Completely weathered TZ3, Gravelly CLAY; brown. Hard. Small rounded gravel fragments; broken and brittle mainly consists of shear and fault zones.		674_					W			0.25 0.50	0 0				
	Highly weathered TZ3; brownish grey. Weak to moderately strong.	 - 11 -	-				-			2/2	0:30	0	-			
		 	673_				-	W			0.55 0.30		-			
			-		Foliation Parting; α70°, smooth, planar, narrow: 6-20mm, clean.			MS			1.10	40	-	Encountered		
67		 - 13 -	672_		Crush Zone, rock fragments.							4	_	Groundwater Not Encountered		
	Completely weathered TZ3, silty GRAVEL; brownish grey. Loose. gravel, angular, fine to coarse.	 	-				-	M			0.45	0	_			
		 - 14 -	671_		Fault, clay/gouge.						0.40	0				
			670_					W			0.50 0.50	0	-			
_	ITES: Borehole logged by Matakanui Gold Ltd.	and t		- × · · · · · · · · · · · · · · · · · ·	o EGI tampicto	LOGGED:			akar		09:0	0		ILLE		Alton Drilling

CHECKED: EGL



Bendigo

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- → 1464 9 486 2546
 info@egl.co.nz
 Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
 www.egl.co.nz
 www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 4 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025 **HOLE FINISHED**: 17/01/2025

> HOLE DEPTH: 70.1m

LOCATION: DATUM: NZVD 2016 **COORDINATES:** East 1319629.1 North 5017032.7 INCLINATION: 70° NZTM 2000 ORIENTATION:

RL GROUND: 683.9

GF	RID: NZTM 2000											OF	RIENT	ΓΑΤΙ	ON:	25°
	Core Description				Rock Defects							ا	Drillir	ng &	Testin	g
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE TO FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS
	Completely weathered TZ3, gravelly CLAY, brownish grey; small rounded gravel fragments broken and brittle mainly consisting of shear and fault zones.		669_		Fault, clay/gouge. Shear Zone, clay/gouge.			W			0.25 0.30 0.20 0.20 0.15 0.60	0 0 0 0 0				
TZ3	Highly weathered Semi-psammitic TZ3 Schist, brownish grey. Moderately strong.		668_		Shear Zone, clay/gouge.		•				0.45 0.25 0.35 0	0 0 0	-	r Not Encountered		
	Moderately weathered Semi-pelitic TZ3 Schist, grey. Weak to moderately strong.	_ 18 _	667_					MS			0.50 0.50	32 46		Groundwater Not		
	Slightly weathered Semi-pelitic TZ3 Schist, grey. Weak. Slightly deformed.	19	666_		Shear Zone, clay/gouge. Shear Zone, clay/gouge.			W			0.50 0.30 0.20 0.40	0 0 0				
NO	TES: Borehole logged by Matakanui Gold Ltd.	and tr	ansc	ribed t	o EGL template	LOGGED:	N	Mata	akar	nui			DRI	LLE	R:	Alton Drilling

CHECKED: EGL



Bendigo

PROJECT:

LOCATION:

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

RL GROUND: 683.9

NZVD 2016

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 5 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025 HOLE DEPTH: 70.1m INCLINATION: 70°

DATUM: COORDINATES: East 1319629.1 North 5017032.7

GRID: NZTM 2000 ORIENTATION: 25° **Drilling & Testing Core Description Rock Defects** ROCK STRENGTH WATER LOSS (%) GEOLOGICAL UNIT FRACTURE FREQUENCY PT LOAD / UCS (MPa) ELEVATION RL (m) CORE LOSS (%) DRILLED LENGTH L0G WEATHERING WATER LEVEL CORE LENGTH / DEFECT DESCRIPTION **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS SAMPLES GRAPHIC & ADDITIONAL NOTES RQD (%) 5 5 5 v 2 8 8 Slightly weathered TZ3 Schist; dark grey and white. Weak to moderately strong. Moderately deformed. Shear Zone, clay/gouge. 0.30 0.50 0 0.30 ≥ 0.40 0.20 0.30 clay in defects. Shear Zone, clay/gouge. Groundwater Not Encountered 0.60 18 MS Joint; α70°, rough, planar, rock TZ3 ≥ Puggly clay shear zone/fault, large broken quartz. Very little presence of schist. Fault, clay/gouge. MS 0.60 ≥ -Shear Zone; α80°, rock fragments. MS 0.80 29 Fault, clay gauge, dark grey. Hard. Shear Zone, rock fragments. 0.50 ≥

- Rock Log v7 (test-inclined hole) - 4/03/2025 10:18:00 am - Produced with Core-GS by Geroc

EGL.

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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→ 1464 9 486 2546
info@egl.co.nz

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

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RL GROUND: 683.9

NZVD 2016

DATUM:

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 6 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025 **HOLE FINISHED**: 17/01/2025

> HOLE DEPTH: 70.1m INCLINATION: 70°

COORDINATES: East 1319629.1 North 5017032.7

PROJECT:

LOCATION:

GF	RID: NZTM 2000											OR	IENT	ATI	ON:	25°
	Core Description	-			Rock Defects					1.		D	rillin	g &	Test	ing
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	
	Unweathered semi-pelitic TZ3; dark grey and white. Weak.			//			T	T			0.50	0	Ť		+++	
	Moderately strong.	 	660_					M			0.80	0				
	Moderately deformed.	_ 26 _ _ 26 _	- -		Shear Zone, clay/gouge. Crush Zone, rock fragments.			MS			0.50	0				
	Strong.	 	659_					S			09.0	52				
	Weak.	 - 27 - 	- - - -		Joint; α70°, rough, planar, rock fragments. Shear Zone, rock fragments.					-	0.35 0.	0		ntered		
TZ3		 	658_								0.45	0		Groundwater Not Encountered		
		28 _	- - - -		Shear Zone, clay/gouge.						0.40	0		Grot		
		 	657_					M			0.55	0				
	Core loss.	 - 29 - 	-		Crush Zone, rock fragments.						0.40	0				
		 	656_	C/L C							0.20 0.10 0.35	0 0 0				
NO	TES: Borehole logged by Matakanui Gold Ltd.	and tr	ransci	C/L C/I	o EGL template	LOGGED:		≥	kanı		0.20 0.3	0	DRIL	LFF		

CHECKED: EGL



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ROCK LOG

DRILLHOLE No.: MDD399

SHEET 7 OF 15

Job No.: 9702

RL GROUND: 683.9

HOLE FINISHED: 17/01/2025 HOLE DEPTH: 70.1m

HOLE STARTED: 10/01/2025

LOCATION: Bendigo DATUM: NZVD 2016 **COORDINATES:** East 1319629.1 North 5017032.7 INCLINATION: 70° GRID: NZTM 2000 ORIENTATION: 25°

ROCK / SOIL MATERIAL DESCRIPTION A DOT DEFECT DESCRIPTION A ADDITIONAL NOTES A	Core Description				Rock Defects										ON: Testin	
Fault, clay, cost grey, week.		Œ	_		10000 2010010	ш≿		Ŧ	Pa)		YPE					5
Fault day, dark gray, verals.	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH	ELEVATION RL (m	GRAPHIC LOG		FRACTUR 10 FREQUENC 20 FREQUENC	WEATHERING	ROCK STRENG	PT LOAD / UCS (M	- 25 CORE LOSS - 50 - 75 (%)	CORE LENGTH / T	RQD (%)	SAMPLES	WATER LEVEL		FIELD TESTS
Shear Zone, rock fragments. Shear Zone, clay/gouge. Shear Zone,	Fault, clay, dark grey, weak. Unweathered semi-pelitic TZ3; dark grey, white. Weak. Fragments only	31	655_	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						///)	0.20 0.15 0.20 0.10 0.10 0.20 0.10 0.15 0.10 0.15	0 0 0 0 0 0 0 0 0				
Shear Zone, clay/gouge. Shear Zone, rock fragments. Shear Zone, rock fragments. Foliation Parting; q70°, smooth, planar, clean. Shear Zone, rock fragments.	white. Weak. Fragments only.		- - - - - -					W		7	0.15 0.10 0.25 0.20 0.15 0.10 0.25 0.20	0 100 0 0 0 0 0 0 0		Groundwater Not Encountered		
		34 _	652_	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Shear Zone, rock fragments. Foliation Parting; α70°, smooth, planar, dean. Shear Zone, rock fragments.						0.50 0.40	26 0				
	Fault, clay gauge, dark grey. Hard.	-	651_	公	Shear Zone, clay/gouge.			_			0					

CHECKED: EGL



LOCATION:

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→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 8 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025 **HOLE FINISHED**: 17/01/2025

> HOLE DEPTH: 70.1m 70°

COORDINATES: East 1319629.1 North 5017032.7 INCLINATION: NZTM 2000 ORIENTATION:

RL GROUND: 683.9

NZVD 2016

DATUM:

—	ID: NZTM 2000												RIEN			25°
	Core Description	-			Rock Defects		\perp				Luc	Ī	Drilli	ng &	Testin	g
GEOLOGICAL UNII	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 75 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS
	Fault, clay gauge, dark grey. Hard.			<u></u>							09:0	0				
											_					
4	Core loss.	[]									_					
			-	C/L				≥			09:0	0				
				C/L												
	Unweathered pelitic TZ3, dark grey. Weak to moderately strong.										0:30	0				
		_ 36 _	650_				-	4								
					Joint; α50°, stepped, planar, clean.											
			-	\sim				MS			1.00	09				
		-			Shear Zone, clay/gouge.											
		 - 37 -														
			649_				-	+		9				ered		
								≥			0.40	0		ncount		
								_						Not E		
671			-											Groundwater Not Encountered		
				$\frac{2}{2}$										Grour		
		_ 38 _			√ Joint; α60°, stepped, planar, rock						1.10	81				
			648_		fragments.											
					∑Shear Zone, clay/gouge.											
				%												
			-					MS			0.40	0				
				\sim							Ö					
		_ 39 _														
			647_		Crush Zone, rock fragments.						0.40	0				
											0.10	0				
											_					
			-								0.50	46				
- 1		1		\mathcal{N}			ı	≥				1	Ιl			

CHECKED: EGL



Bendigo

COORDINATES: East 1319629.1 North 5017032.7

NZTM 2000

PROJECT:

LOCATION:

GRID:

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+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

RL GROUND: 683.9

NZVD 2016

DATUM:

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 9 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025 **HOLE FINISHED**: 17/01/2025 HOLE DEPTH: 70.1m

INCLINATION: 70° ORIENTATION: 25°

Drilling & Testing Core Description Rock Defects DRILLED LENGTH (m) ROCK STRENGTH WATER LOSS (%) GEOLOGICAL UNIT FRACTURE FREQUENCY PT LOAD / UCS (MPa) ELEVATION RL (m) CORE LOSS (%) L0G WEATHERING WATER LEVEL CORE LENGTH / DEFECT DESCRIPTION **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS SAMPLES GRAPHIC & ADDITIONAL NOTES RQD (%) 5 5 5 v 2 8 8 Unweathered pelitic TZ3 Schist; dark grey and white. Weak to moderately strong. Moderately deformed. ≥ 0.60 25 0.40 Crush Zone, rock fragments. 1.25 36 Joint; α40°, stepped, stepped, rock Joint; α80°, smooth, stepped, clean. Groundwater Not Encountered TZ3 MS 0.45 Shear Zone, rock fragments. 00. 33 Joint; α70°, rough, planar, rock fragments Joint; $\alpha70^{\circ}$, rough, stepped, clay/gouge. 010 0 Crush Zone, rock fragments. Crush Zone, rock fragments. .40 46 Joint; α60°, stepped, planar, clean. Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template NOTES: LOGGED: Matakanui DRILLER: Alton Drilling

CHECKED: EGL

DRILL TYPE:

EGL - Rock Log v7 (test-inclined hole) - 4/03/2025 10:18:00 am - Produced with Core-GS by Geroc



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→ 1464 9 486 2546
info@egl.co.nz

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

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ROCK LOG

DRILLHOLE No.: MDD399

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025

SHEET 10 OF 15

Job No.: 9702

PROJECT: **RL GROUND**: 683.9 BOGP LOCATION:

Bendigo DATUM: NZVD 2016

HOLE DEPTH: 70.1m

COORDINATES: East 1319629.1 North 5017032.7 INCLINATION: 70° GRID: NZTM 2000 ORIENTATION: 25°

GRID: NZTM 2000 Core Description				Rock Defects							Orilli		Testin	25° g
ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY FREQUENCY	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 75 (%)	FIELD TESTS
Unweathered pelitic TZ3 Schist; dark grey and white. Weak to moderately strong. Slightly deformed,	 	641_	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Crush Zone, rock fragments.		SM			30 1.40) 46				
	 - 46 -			Joint; α70°, smooth, planar, clean. Crush Zone, rock fragments.					08:0	0				
	 			Crush Zone, rock fragments.		WS								
	 - 47 - 	640_		Crush Zone; α65°, smooth, planar, rock fragments.		SW			1.30	35		ntered		
173	 	639_		Crush Zone, planar, rock fragments.		*						Groundwater Not Encountered		
	_ 48 _ 	- -				SM			1.40	09				
	 - 49 -	638_		Fault, clay/gouge. Crush Zone, planar, clay/gouge.		*								
Moderately deformed.	 	- -		Fractured Zone, rock fragments.		MS MS			0.85	85				
		637_	炎	Fault, clay/gouge.		W/			0.55	0				
NOTES: Borehole logged by Matakanui Gold Ltd.	and tr	ansc	ribed to	o EGL template	LOGGED: CHECKED:		taka L	nui				ILLEI ILL T	R: YPE:	Alton Drilling

EGL - Rock Log v7 (test-inclined hole) - 4/03/2025 10:18:00 am - Produced with Core-GS by Geroc



Bendigo

PROJECT:

LOCATION:

Engineering Geology Ltd

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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.: MDD399

SHEET 11 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025 **RL GROUND**: 683.9 **HOLE FINISHED**: 17/01/2025 DATUM: NZVD 2016

HOLE DEPTH: 70.1m COORDINATES: East 1319629.1 North 5017032.7 INCLINATION: 70°

G	RID: NZTM 2000												RIEN	TATI		25°
	Core Description				Rock Defects								Drilli	ng &	Testi	ng
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FRACTURE FREQUENCY FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	- 25 WATER LOSS - 50 (%)	
	Unweathered pelitic TZ3 Schist; dark grey and white. Weak to moderately strong. Moderately deformed,		- -		Crush Zone, clay/gouge.		-	W			0.50 0.55	0 0				
		 - 51 _ 	636_				-	vw MS			09:0	42				
		 - 52 -			Crush Zone, clay/gouge.						0.80	81				
TZ3	Slightly deformed.		· · ·					EW						Groundwater Not Encountered		
	Metamorphic quartz band 10-100mm with minor <5mm quartz segregations.	53 _ - 53 _ 	634_ -		Joint; α35°, rough, planar, rock fragments. Crush Zone; α65°, planar, moderatel wide: 60-200mm, rock fragments.	y	_	W			1.50	63		Ground		
	Moderately deformed.		- -					MS								
			633_				-	MS			1.50	45				
NC	DTES: Borehole logged by Matakanui Gold Ltd.	and tr	ansc	ribed to	o EGL template	LOGGED:		1ata	ıkar				DR	ILLE	:::	Alton Drilling

CHECKED: EGL



Engineering Geology Ltd

→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
www.egl.co.nz

ROCK LOG

DRILLHOLE No.: **MDD399**

SHEET 12 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025 **RL GROUND**: 683.9

HOLE FINISHED: 17/01/2025 LOCATION: Bendigo DATUM: NZVD 2016 HOLE DEPTH: 70.1m **COORDINATES:** East 1319629.1 North 5017032.7 INCLINATION: 70° NZTM 2000 ORIENTATION:

9	RID: NZTM 2000											OI	RIEN	ITATI	ON:	25°
	Core Description				Rock Defects				_				Drill	ing &	Test	ing
GEOLOGICAL LINIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE 10 10 10 10 10 10 10 10 10 10 10 10 10	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	25 CORE LOSS 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	- 25 WATER LOSS - 26 (%)	
Z	Unweathered pelitic TZ3 Schist; dark grey and white. Weak to strong. Moderately deformed.		632_ 632_ 631_ 631_ 631_ 630_ 630_ 629_ 628_	ribed t	Joint; a30°, rough, planar, moderatel wide: 60-200mm, rock fragments. Crush Zone, rough, stepped, rock fragments. Joint; a45°, rough, planar, moderatel narrow: 20-60mm, rock fragments. Shear Zone, planar, clay/gouge.			SM WS	akar		1.50 1.50 1.50 1.50 1.50	53 33 40 48 45	DR	Groundwater Not Encountered	R:	

CHECKED: EGL



Bendigo

COORDINATES: East 1319629.1 North 5017032.7

PROJECT:

LOCATION:

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+64 9 486 2546 info@egl.co.nz

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RL GROUND: 683.9

NZVD 2016

DATUM:

ROCK LOG

DRILLHOLE No.: MDD399

SHEET 13 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025 HOLE DEPTH: 70.1m INCLINATION: 70°

ORIENTATION: 25°

GRID: NZTM 2000 **Drilling & Testing Core Description Rock Defects** DRILLED LENGTH (m) ROCK STRENGTH WATER LOSS (%) GEOLOGICAL UNIT FRACTURE FREQUENCY PT LOAD / UCS (MPa) ELEVATION RL (m) CORE LOSS (%) P00 WEATHERING **WATER LEVEL** CORE LENGTH / DEFECT DESCRIPTION **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS SAMPLES GRAPHIC & ADDITIONAL NOTES RQD (%) 5 5 5 Unweathered TZ3 Schist; dark grey and white. Strong, moderately deformed. > Crush Zone, rock fragments. .50 53 20 80 Joint; α40°, smooth, planar, Groundwater Not Encountered TZ3 Weak to moderately strong 1.50 20 ΜS ≥ Large fault, clay gauge. Surrounded by clay rich cataclasite. Fault; α65°, smooth, planar, clay/gouge ≷ Fault zone cataclasite, dark grey. Very weak to weak. Crush Zone, clay/gouge. 1.20 ≥ ≷ 0.50 Borehole logged by Matakanui Gold Ltd. and transcribed to EGL template NOTES: LOGGED: DRILLER: Matakanui Alton Drilling

CHECKED: EGL

DRILL TYPE:

EGL - Rock Log v7 (test-inclined hole) - 4/03/2025 10:18:00 am - Produced with Core-GS by Geroc



LOCATION:

BOGP

Bendigo

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ROCK LOG

DRILLHOLE No.: MDD399

SHEET 14 OF 15

Job No.: 9702

> **HOLE STARTED:** 10/01/2025 **HOLE FINISHED**: 17/01/2025

> > 70°

DATUM: NZVD 2016 HOLE DEPTH: 70.1m **COORDINATES:** East 1319629.1 North 5017032.7 INCLINATION: GRID: NZTM 2000 ORIENTATION: 25°

RL GROUND: 683.9

G	RID: NZTM 2000						_						ITATI		25°
_	Core Description	Ê			Rock Defects	1 , 1	\dashv	- T	æ l	ļ Ļ		Drill	ing &	Testi	1
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DRILLED LENGTH (m)	ELEVATION RL (m)	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE 10 FREQUENCY	WEATHERING	ROCK STRENGTH		- 50 - 75 (%) CORE I ENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	- 25 WATER LOSS - 50 (%)	
123	Fault zone cataclasite, dark grey. Very weak. Unweathered pelitic TZ3; dark grey and white. Weak to moderately strong. Slightly deformed.	DRIFE	622_ 622_ 621_ 620_	CAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Crush Zone, rock fragments. Crush Zone, rock fragments. Crush Zone, rock fragments. Shear Zone; α15°, undulating, clay/gouge. Shear Zone; α10°, smooth, planar, clay/gouge. Fractured Zone, narrow: 6-20mm, rock fragments.	2 0 T		W MS MS VW ROCK		130 140 050	41 38 40 0		Groundwater Not Encountered WATE		
NO	TES: Borehole logged by Matakanui Gold Ltd.	and tr	ansc	ribed t	Shear Zone, clay/gouge. o EGL template	LOGGED:	N	latal				DF	RILLE	R:	Alton Drilling

CHECKED: EGL



Bendigo

COORDINATES: East 1319629.1 North 5017032.7

NZTM 2000

LOCATION:

GRID:

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intering decloys 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.: MDD399

SHEET 15 OF 15

Job No.: 9702

HOLE STARTED: 10/01/2025

HOLE FINISHED: 17/01/2025 HOLE DEPTH: 70.1m

INCLINATION: 70° ORIENTATION: 25°

Rock Defects Drilling & Testing Core Description DRILLED LENGTH (m) CORE LENGTH / TYPE ROCK STRENGTH PT LOAD / UCS (MPa) WATER LOSS (%) GEOLOGICAL UNIT FRACTURE FREQUENCY ELEVATION RL (m) CORE LOSS (%) P00 WEATHERING WATER LEVEL DEFECT DESCRIPTION **ROCK / SOIL MATERIAL DESCRIPTION** FIELD TESTS SAMPLES GRAPHIC RQD (%) & ADDITIONAL NOTES 25 50 75

NZVD 2016

RL GROUND: 683.9

DATUM:

Unweathered pelitic TZ3; dark grey and white. Weak.

EOH: 70.10 m

EGL - Rock Log v7 (test-inclined hole) - 4/03/2025 10:18:00 am - Produced with Core-GS by Geroc

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

LOGGED: Matakanui

DRILLER: Alton Drilling

CHECKED: EGL DRILL TYPE:



EGL Job No.		9702		
Location:		Bendigo-Ophir Gold Project		
Start Date	10/02	/2025	End Date	17/01/2025



Depth: 0m to 1.8m



Depth: 1.8m to 3.6 m



EGL Job No.		9702		
Location:		Bendigo-Ophir Gold Project		
Start Date	10/02/2025		End Date	17/01/2025



Depth: 3.6m to 5.6m



Depth: 5.6m to 7.4m



EGL Job No.		9702		
Location:		Bendigo-Ophir Gold Project		
Start Date	10/02	/2025	End Date	17/01/2025



Depth: 7.4m to 9.2m



Depth: 9.2m to 11.05m



EGL Job	No.	9702		
Location:		Bendigo-Ophir Gold Project		
Start Date	10/02/2025		End Date	17/01/2025



Depth: 11.05m to 12.6m



Depth: 12.6m to 14.35m



EGL Job	No.	9702		
Location:		Bendigo-Ophir Gold Project		
Start Date	10/02/2025		End Date	17/01/2025



Depth: 14.35m to 17.15m



Depth: 17.15m to 19.50m



EGL Job	No.	9702		
Location:		Bendigo-Ophir Gold Project		
Start Date	10/02/2025		End Date	17/01/2025



Depth: 19.5m to 22.2m



Depth: 22.2m to 24.6m



EGL Job No.		9702		
Location:		Bendigo-Ophir Gold Project		
Start Date	10/02/2025		End Date	17/01/2025

MDD399 - CORE PHOTOGRAPHS



Depth: 24.6m to 27.2m



Depth: 27.2m to 30.1m



EGL Job	No.	9702							
Location	n:	E	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 Job No.	9702
Location:	Bendigo-Ophir Gold Project

End Date

17/01/2025

10/02/2025

Title:

MDD399 - CORE PHOTOGRAPHS

Start Date



Depth: 32.95m to 34.8m





EGL Job	No.	9702							
Location	n:	E	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 Job No.	9702
Location:	Bendigo-Ophir Gold Project

Start Date

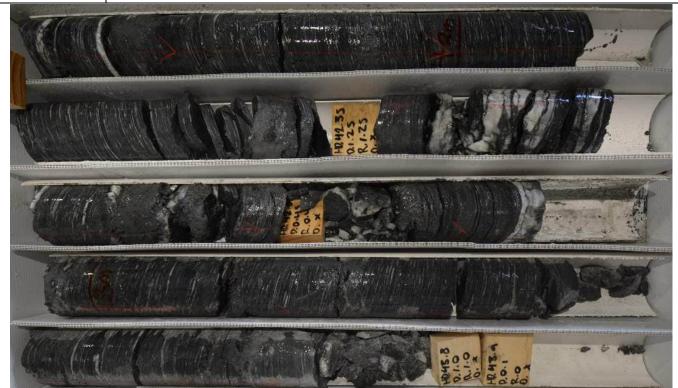
10/02/2025

End Date

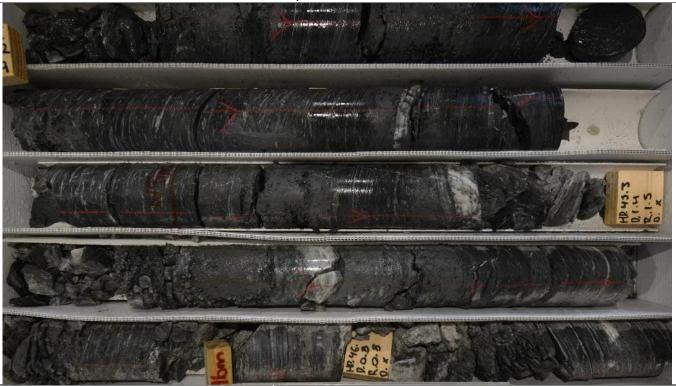
17/01/2025

Title:

MDD399 - CORE PHOTOGRAPHS



Depth: 41.6m to 43.9m



Depth: 43.9m to 46.3m



EGL Job No.	9702
Location:	Bendigo-Ophir Gold Project

Start Date

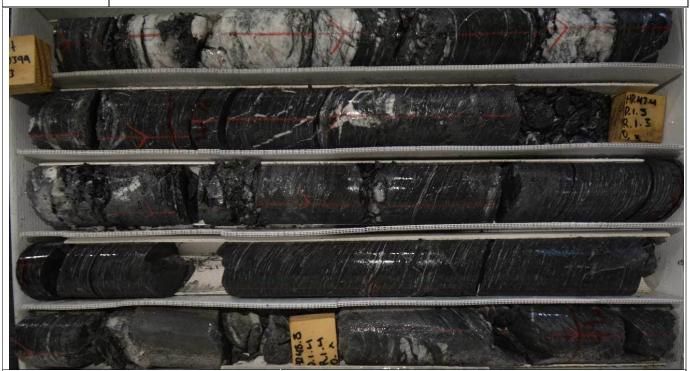
10/02/2025

End Date

17/01/2025

Title:

MDD399 - CORE PHOTOGRAPHS



Depth: 46.3m to 49.1m



Depth: 49.1m to 51.9m



EGL Job No.	9702							
Location:	Bendigo-Ophir Gold Project							

End Date

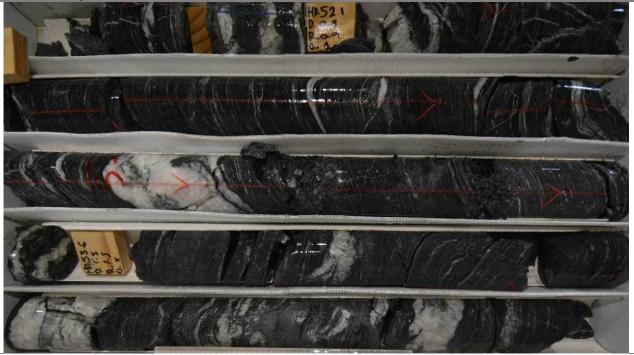
17/01/2025

10/02/2025

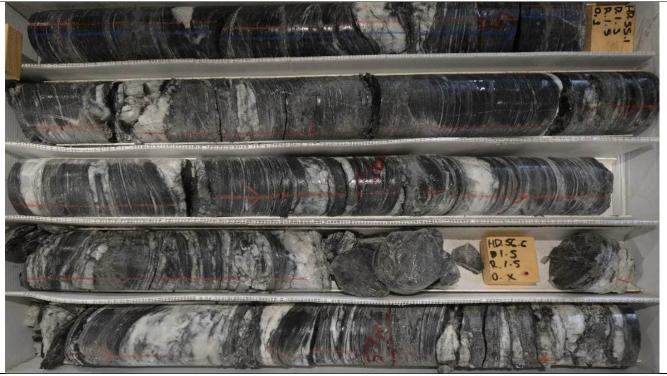
Title:

MDD399 - CORE PHOTOGRAPHS

Start Date



Depth: 51.9m to 54.6m



Depth: 54.6m to 57.1m



EGL Job No.	9702						
Location:	Bendigo-Ophir Gold Project						

End Date

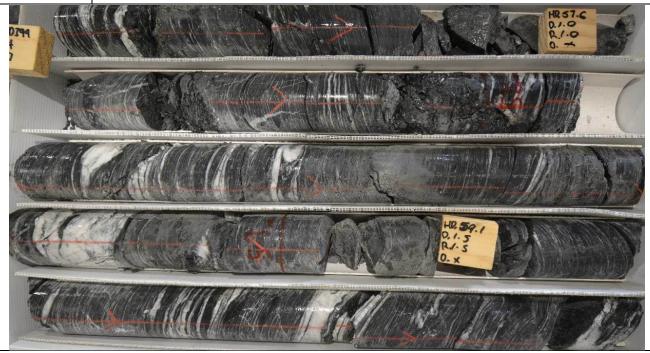
17/01/2025

10/02/2025

Title:

MDD399 - CORE PHOTOGRAPHS

Start Date



Depth: 57.1m to 59.9m



Depth: 59.9m to 62.4m



EGL Job	No.	9702							
Location	n:	E	Bendigo-Ophir Gold Project						
Start Date	tart Date 10/02/2025			17/01/2025					

Title:

MDD399 - CORE PHOTOGRAPHS



Depth: 62.4m to 65m



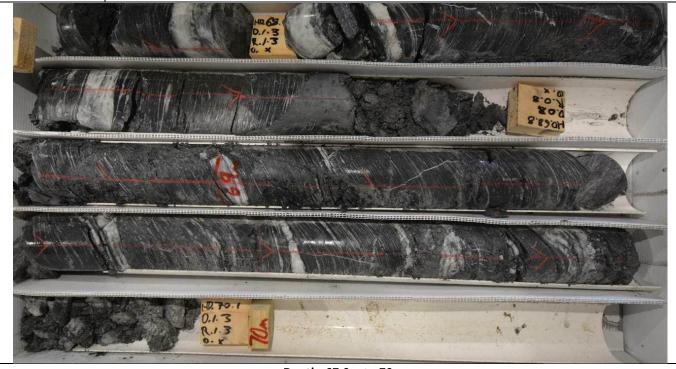
Depth: 65m to 67.9m



EGL Job	No.		9702							
Location	n:	Bendigo-Ophir Gold Project								
Start Date	10/02	/2025	End Date	17/01/2025						

Title:

MDD399 - CORE PHOTOGRAPHS



Depth: 67.9m to 70m

APPENDIX CTestpit Logs and Photographs



NZVD2016

Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND: 734.7m

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→ 1464 9 486 2546
info@egl.co.nz

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

www.egl.co.nz

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TEST PIT LOG

TESTPIT No.: EGLTP01

SHEET 1 OF 1

Job No.: 9702.0

DATE: 31/05/2024

TESTPIT DEPTH: 2.5m

COORDINATES: East 1318255.8 North 5016437.2

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%) SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Organic SILT; dark brown. Moist, soft, low plasticity.	734.7	≗″TS : - 24° . TS			S				
Quarternary Deposits	Clayey SILT some gravel and cobbles; light greyish brown. Moist, stiff, low plasticity. Gravels medium to coarse, subangular to angular, schist derived. Cobbles; up to 120mm subangular to angular, schist derived. (Alluvial Fan)	734.5		1 -	М	St		Groundwater Not Encountered		
Quai	Gravelly SILT some clay and cobbles minor sand; brownish grey. Moist, very stiff, low plasticity. Clast supported. Gravels; medium to coarse, angular to subangular, derived from quartz rich schist. Cobbles; up to 120mm angular to subangular, derived from quartz rich schist. (Alluvial Fan)	2.3		2 -		VSt		Ground		
TZ4	Bouldery CLAY; dark grey. Moist, hard, moderate plasticity, hard. Foliation and mica structures visible. matrix supported. Boulders; up to 350mm, boulders angular to subangular schist. (Completely weathered schist)	2.5 EOH:	2.50 m			Н				

NOTES: Logged by EGL staff.

Refusal at 2.5m.

Groundwater not encountered.

LOGGED: JF

CHECKED: PC

EXCAVATOR: 20T Excavator



NZVD2016

Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND: 735.5m

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- → 1464 9 486 2546
 info@egl.co.nz
 Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
 www.egl.co.nz
 www.egl.co.nz

TEST PIT LOG

TESTPIT No.:

EGLTP02

SHEET 1 OF 1

Job No.: 9702.0

DATE: 31/05/2024 TESTPIT DEPTH: 1.9m

COORDINATES: East 1318356.2 North 5016320.2

NZTM 2000

Organic SILT; dark brown. Moist, soft, low plasticity. Organic SILT; dark brown. Moist, soft, low plasticity. Clayey SILT with some gravel and cobbles; light greyish brown. Dry, stiff, low plasticity. Matrix supported. Gravel; fine to coarse subangular to angular, schist derived. Cobbles; up to 120mm subangular to angular, schist derived. (Alluvial Fan) Silty CLAY with minor gravel and cobbles, trace boulders; dark grey. Moist, very stiff, high plasticity. Gravel; fine to coarse subangular to angular schist derived. Cobbles; fine to coarse subangular to angular schist derived. (Alluvial Fan) M VSt Proof of the proof	GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
Sitty CLAY with minor gravel and cobbles; trace boulders; dark grey. Moist, very stiff, high plasticity. Gravel; fine to coarse subangular to angular, schist derived. (Alluvial Fan) Sitty CLAY with minor gravel and cobbles; trace boulders; dark grey. Moist, very stiff, high plasticity. Gravel; fine to coarse subangular to angular, schist derived. (Alluvial Fan) M VSt Procedure: **Total Procedure:	TS	Organic SILT; dark brown. Moist, soft, low plasticity.		∑TST: <u>^</u> mTS	-	М					
	Quarternary Deposits	Dry, stiff, low plasticity. Matrix supported. Gravel; fine to coarse subangular to angular, schist derived. Cobbles; up to 120mm subangular to angular, schist derived. (Alluvial Fan) Silty CLAY with minor gravel and cobbles, trace boulders; dark grey. Moist, very stiff, high plasticity. Gravel; fine to coarse subangular to angular, schist derived. Cobbles; fine to coarse subangular to angular schist derived. (Alluvial Fan)	735.2 0.7 734.8		- 1_ - -	M			.80m,		

Logged by EGL staff.

Refusal at 1.9m Groundwater at 1.8m.

NOTES:

LOGGED: JF

CHECKED: PC



LOCATION:

Engineering Geology Ltd

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TEST PIT LOG

TESTPIT No.: EGLTP03

SHEET 1 OF 1

Job No.: 9702.0

BOGP Test Pits DATE: 31/05/2024 Bendigo Ophir Stations

TESTPIT DEPTH: 1.8m

RL GROUND: 745.0m **COORDINATES:** East 1318419.2 North 5016226.5 DATUM: NZVD2016

GRID: NZTM 2000

GEO! OGICA!	GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
۲	2	Organic SILT; dark brown. Moist, soft, low plasticity.	0.1	ΔΛ ΔΔ ΣΤς ΔΔ							
		Silty CLAY; light brownish grey. Moist, stiff, moderate plasticity. (Holocene Landslide Deposits)	744.9	× ×	-						
		0.4m - 0.5m: some boulders on southern side of pit		× × ×	-						
ation of a	Deposits			× × × × ×	-		St		t Encountered		
officered vacaretre.	Qualternary			× × ×	1 _	M			Groundwater Not Encountered		
				×							
	ŀ	Clayey SILT; grey. Moist, very stiff, moderate plasticity. (Holocene Landslide Deposits)	743.6	~ × × × × × × × × × × × × × × × × × × ×	-		VSt				
		1.6m: clay excavated as angular blocks	1.7	× * * * * * * * * * * * * * * * * * * *	-		"				
71	4	Bouldery CLAY; dark grey. Saturated, hard, moderate plasticity. Matrix supported. Foliation and mica structures visible.	743.3 1.8	1 90 ***			Н				
Г	\neg	Roulders: up to 350mm, angular to subangular schist	EOH:	1.80 m							

Boulders; up to 350mm, angular to subangular schist. (Completely weathered schist)

NOTES: Logged by EGL staff.

Refusal at 1.8

Groundwater not encountered.

LOGGED: JF

CHECKED: PC **EXCAVATOR:** 20T Excavator



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TEST PIT LOG

TESTPIT No.: EGLTP04

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

RL GROUND: 743.2m DATUM: NZVD2016

DATE: 31/05/2024 TESTPIT DEPTH: 2.6m

COORDINATES: East 1318596.2 North 5016244.0

NZTM 2000

	ATOM. 142402010 142114 2000									
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES	(%) SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Organic SILT; dark brown. Moist, soft, low plasticity.	743.2	26 36 2 TS : 26 36 TS		-					
	Silty CLAY with minor gravel and cobbles; brownish grey. Moist, stiff to very stiff, low plasticity. Gravel; fine to coarse subangular to angular, schist derived. Cobbles; up to 120mm subangular to angular, schist derived. (Alluvial Fan)	742.9			- - M					
Quarternary Deposits	1.0m: 300mm angular quartz boulder	1.8	× × × × × × × × × × × × × × × × × × ×	1 -	- - -	St-VS		4.70m, 31/05/2024		
	Silty CLAY minor gravel and cobbles trace boulders; brownish grey. Wet, very stiff, low plasticity. Seepage present. Gravels; fine to coarse subangular to angular, schist derived. Cobbles; up to 120mm subangular to angular, schist derived. Boulders; up to 240mm, angular schist. (Alluvial Fanjf.9m - 2.1m: Lense of silty GRAVEL some sand; gravels fine to coarse angular to subangular, schist derived. Grey; wet, medium dense, non-plastic. Water flowing out from layer	741.4 / 2.4 740.8	* * * * * * * * * * * * * * * * * * *	2 _	- S	VSt				
TZ3	Bouldery CLAY; dark grey. Saturated, hard, moderate plasticity. Foliation and mica structures visible. Matrix supported. Boulders; up to 350mm, boulders angular to subangular schist (Completely weathered schist)	2.6	: 2.60 m			Н				

NOTES: Logged by EGL staff.

Refusal at 2.6m. Groundwater at 1.7m. LOGGED: JF

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:51:08 am - Produced with Core-GS by Geroc



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TEST PIT LOG

TESTPIT No.: EGLTP05

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits LOCATION:** Bendigo Ophir Stations

RL GROUND: 750.4m

DATE: 31/05/2024 TESTPIT DEPTH: 0.9m

COORDINATES: East 1318484.2 North 5016162.8

DA	TUM: NZVD2016				GRID	:	1	NZTM :	2000	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
Quarternary TS Deposits	Organic SILT; dark brown. Moist, soft, low plasticity. Silty GRAVEL; light greyish brown. Dry, loose, non-plastic. Clast supported. Gravels; fine to coarse, angular to subangular, derived from schist. (Holocene Landslide Deposits)	750.4 0.1 750.3	2/ 3// 3// 15	-	D	L		ater Not Encountered		
TZ4	Bouldery CLAY; dark grey. Saturated, hard, moderate plasticity. Foliation and mica structures visible. Matrix supported. Boulders; up to 350mm, boulders angular to subangular schist (Completely weathered schist)	749.8	0.90 m	-		Н		Groundwater		

NOTES: Logged by EGL staff.

Refusal at 0.9m Groundwater not encountered. LOGGED: JF

CHECKED: PC



Bendigo Ophir Stations

LOCATION:

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TEST PIT LOG

TESTPIT DEPTH: 2.4m

NZTM 2000

TESTPIT No.: EGLTP06

SHEET 1 OF 1

Job No.: 9702.0

31/05/2024 DATE:

RL GROUND: 741.7m COORDINATES: East 1318625.2 North 5016210.1

DATUM: NZVD2016 GRID:

SAMPLES
WATER CONTENT
(%)
SEEPAGE /
WATER LEVEL CORRECTED VANE Ĭ CONSISTENCY DENSITY SHEAR STRENGTH GRAPHIC LOG (kPa) GEOLOGICAL MOISTURE CONDITION Ζ SOIL MATERIAL DESCRIPTION DEPTH (m) **FIELD TESTS** ■Field Vane (BS 1377) DEPTH / ORemoulded Field Vane 50 100 150 Organic SILT; dark brown. Moist, soft, low plasticity Gravelly SILT with some clay minor sand; brownish grey. Dry, very stiff, low plasticity. Clast supported. Gravels; fine to coarse angular to subangular, derived from quartz rich schist. (Alluvial Fan)

1

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MD

Н

31/05/2024

2.20m.

⇃

GRAVEL with some silt and cobbles minor clay; greyish brown. Moist, medium dense, non-plastic. Clast supported. Gravels; fine to coarse angular to subangular, derived from quartz rich schist. Cobbles; up to 140mm angular to subangular, derived

(Alluvial Fan)

Quarternary

0.9m - 1.5m: Gradational changes

Gravelly COBBLES with some silt minor clay; brownish grey. Wet, medium dense, non-plastic. Clast supported. Gravels; fine to coarse angular to subangular, derived from schist. Cobbles; up to 120mm angular to subangular, derived from schist. (Alluvial Fan)

GRAVEL with some cobbles trace silt; grey. Saturated, medium dense, non plastic. Clast supported. Gravels; fine to coarse, angular to subangular, derived from schist. Cobbles; up to 140mm, angular to subangular, derived from schist. (Alluvial Fan)

Bouldery CLAY; dark grey. Saturated, hard, moderate plasticity. Foliation and mica structures visible. Matrix supported.
Boulders; up to 350mm, boulders angular to subangular schist (Completely weathered schist)

EOH: 2.40 m

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2

0.9 740.8

NOTES: Logged by EGL staff.

Refusal at 2.4m Groundwater at 2.2m. LOGGED:

CHECKED: PC

EGL.



Bendigo Ophir Stations

LOCATION:

RL GROUND: 754.9m

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TEST PIT LOG

TESTPIT No.: EGLTP07

SHEET 1 OF 1

Job No.: 9702.0

DATE: 30/05/2024 TESTPIT DEPTH: 2.4m

COORDINATES: East 1318837.5 North 5015973.8

DA	TUM: NZVD2016			GRID: NZTM 2000										
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT (%)	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS				
TS	Organic SILT; dark brown. Moist, firm, low plasticity.	754.9 0.1	ΔΛ ΔΛ ΣΤς ΔΛ		М									
	Silty GRAVEL with some sand and trace cobbles; light brownish grey. Clast supported. Dry, loose, non-plastic. Gravels; medium to coarse, angular to subangular, derived from schist; Cobbles; up to 120mm, angular to subangular, derived from schist. (Alluvial Fan)	754.8		-	D									
Quarternary Deposits	Moist and brownish grey.	754.0		1 _	М	L		Groundwater Not Encountered						
TZ3	Bouldery CLAY; dark grey. Saturated, hard, moderate plasticity. Foliation and mica structures visible. Matrix supported. Boulders; up to 380mm, boulders angular to subangular schist (Completely weathered schist)	2.4 EOH	2.40 m		W	Н								

NOTES: Logged by EGL staff.

Refusal at 2.4m Groundwater not encountered. LOGGED: JF

CHECKED: PC

EXCAVATOR: 20T Excavator



NZVD2016

Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND: 754.9m

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TEST PIT LOG

TESTPIT No.:

EGLTP08

SHEET 1 OF 1

Job No.: 9702.0

DATE: 30/05/2024 TESTPIT DEPTH: 2.9m

COORDINATES: East 1318895.2 North 5015999.4

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT (%)	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) Remoulded Field Vane 50 100 150	FIELD TESTS
TS	Organic SILT; dark brown. Moist, firm, low plasticity.	754.9 0.1	<u>ων ων</u> ΣΤς							
	Silty GRAVEL with some sand and trace cobbles; brownish grey. Moist, loose, non-plastic. Clast supported. Gravels; fine to coarse, angular to subangular, derived from schist. (Alluvial Fan)	754.8			- - -					
	Moist and brownish grey.	0.6 754.3			M					
Quarternary Deposits	— Wet and dark brownish grey.	1.4 753.5		1.	-	L		Groundwater Not Encountered		
	Silty COBBLES with minor gravel; grey. Wet, dense, non-plastic. Clast supported. Gravels; medium to coarse, angular to subangular, derived from schist. Cobbles; up to 150mm, angular to subangular, derived from schist (Alluvial Fan)	753.0	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	2 -	- W	MD				
7 %	Silty CLAY; dark grey. Wet, hard, moderate plasticity. Foliation	2.8 752.1 2.9			1	Н				
	and mica structures visible (Completely weathered schist)		: 2.90 m			•		•		

NOTES: Logged by EGL staff.

Refusal at 2.9m

Groundwater not encountered.

LOGGED: JF

CHECKED: PC

EXCAVATOR: 20T Excavator



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TEST PIT LOG

TESTPIT No.: EGLTP09

SHEET 1 OF 1

Job No.: 9702.0

BOGP Test Pits DATE: 30/05/2024 Bendigo Ophir Stations

LOCATION: RL GROUND: 761.0m

(Completely weathered schist)

TESTPIT DEPTH: 1.3m

COORDINATES: East 1318988.0 North 5016000.6

DA	TUM: NZVD2016				GRID	:	ı	NZTM	2000	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Organic SILT; dark brown. Moist, firm, low plasticity.	761.0	≗″TS : - 24° . TS							
y Deposits	Gravelly SILT with some clay and minor sand; brownish grey. Moist, stiff, low plasticity. Clast supported. Gravels; fine to coarse angular to subangular, derived from quartz rich schist. (Alluvial Fan)	760.8			-	St		Not Encountered		
Quarternary	Silty GRAVEL with minor cobbles and trace boulders; brownish grey. Moist, dense, non-plastic. Clast supported. Gravels; medium to coarse, angular to subangular, derived from schist. Cobbles; up to 120mm, angular to subangular, derived from schist. Boulders up to 300mm, angular to subangular, derived from schist. (Alluvial Fan)	760.3		1 _	-	D		Groundwater Not		
3	Bouldery CLAY; dark grey. Saturated, hard, moderate plasticity. Foliation and mica structures visible. Matrix supported. Boulders; up to 350mm, boulders angular to subangular schist	759.8 1.3 EOH	: 1.30 m			Н				

NOTES: Logged by EGL staff.

Refusal at 1.3m.

Groundwater not encountered.

LOGGED: JF

CHECKED: PC **EXCAVATOR:** 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:51:11 am - Produced with Core-GS by Geroc



NZVD2016

Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND: 759.3m

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TEST PIT LOG

TESTPIT No.:

EGLTP10

SHEET 1 OF 1 Job No.: 9702.0

DATE: 30/05/2024 TESTPIT DEPTH: 2.7m

COORDINATES: East 1319080.1 North 5015894.0

NZTM 2000

TINIT IVIDO IOSO		SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES	WATER CONTENT (%)	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
Ý	2	Organic SILT; dark brown. Moist, firm, low plasticity.	759.3 0.1	ΔΛ ΔΔ								
		Gravelly SILT some clay minor sand; brownish grey with reddish brown layers. Moist, stiff, low plasticity. Matrix supported. Gravels; fine to coarse, angular to subangular, derived from quartz rich schist. (Alluvial Fan) 0.3m- 0.5m: Black organic layers up to approximately 50mm thick present	759.2			-						
orizonal Constitu	ary Deposits	Sandy SILT with some gravel; light brown mottled reddish brown. Moist, stiff, low plasticity. Gravels; fine to medium, angular to subangular, derived from quartz rich schist. (Alluvial Fan)	758.6		1 -	M	St					
yarotron	Zagi Gilio	Silty GRAVEL with trace cobbles; brownish grey. wet, medium dense, non-plastic. Clast supported. Gravels; fine to coarse, angular to subangular, derived from schist. Cobbles; up to 140mm, angular to subangular, derived from schist. (Alluvial Fan)	757.9 1.8			-	MD			2.00m, 30/05/2024		
		COBBLES with some silt trace sand and gravel; grey. Wet, dense, non-plastic. Clast supported. Gravels; fine to coarse, angular to subangular derived from schist. Cobbles; up to 150mm, angular to subangular derived from schist. (Alluvial Fan)	757.5		2 -	w	D			A 2.00		
711	3	Bouldery CLAY; dark grey. Saturated, hard, moderate plasticity. Foliation and mica structures visible. Matrix supported. Boulders; up to 300mm, boulders angular to subangular schist (Completely weathered schist)	756.7 2.7	2.70 m		S	Н					

NOTES: Logged by EGL staff.

Refusal at 2.7m. Groundwater at 2.0m. LOGGED: JF

CHECKED: PC



Head of the second of the

TEST PIT LOG

TESTPIT No.:

EGLTP11

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

RL GROUND: 825.5m

DATE: 30/05/2024 TESTPIT DEPTH: 0.4m

COORDINATES: East 1318905.6 North 5015708.8

	ATUM: NZVD2016	NZVD2016						NZTM 2000					
GEOLOGICAL LINIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS			
T74 TS	Bouldery CLAY; dark grey. Saturated, hard, moderate plasticity. Foliation and mica structures visible. Matrix supported. Boulders; up to 300mm, boulders angular to subangular schist	825.5 0.2 825.3 0.4	∑TS [™] TS		- М	Н		dwater Not Encou					
	(Completely weathered schist)	/EOH:	0.40 m										

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:51:11 am - Produced with Core-GS by Geroc

NOTES: Logged by EGL staff.

Refusal at 0.4m.

Groundwater not encountered.

LOGGED: JF

CHECKED: PC

EXCAVATOR: 20T Excavator



(Completely weathered schist)

Bendigo Ophir Stations

LOCATION:

RL GROUND: 825.5m

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TEST PIT LOG

TESTPIT No.:

EGLTP12

SHEET 1 OF 1 Job No.: 9702.0

DATE: 30/05/2024

TESTPIT DEPTH: 0.3m

COORDINATES: East 1318819.0 North 5015847.0

DATUM: NZVD2016 GRID: NZTM 2000 SAMPLES
WATER CONTENT
(%)
SEEPAGE /
WATER LEVEL CORRECTED VANE SHEAR STRENGTH GEOLOGICAL UNIT MOISTURE CONDITION CONSISTENCY / DENSITY **GRAPHIC LOG** (kPa) DEPTH / RL SOIL MATERIAL DESCRIPTION DEPTH (m) **FIELD TESTS** Field Vane (BS 1377) ORemoulded Field Vane 50 100 150 Organic SILT; dark brown. Moist, firm, low plasticity. Not En Z М Bouldery CLAY; dark grey. Saturated, hard, moderate plasticity. Foliation and mica structures visible. Matrix supported. Н EOH: 0.30 m Boulders; up to 350mm, boulders angular to subangular schist

NOTES: Logged by EGL staff.

Refusal at 0.3m. Groundwater not encountered. LOGGED:

CHECKED: PC



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Project:

Bendigo Ophir Gold Project



Testpit at completion. Max depth 2.5m



Spoil pile at end of excavation



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Project:

Bendigo Ophir Gold Project



Testpit at completion. Max depth 1.9m



Spoil pile at end of excavation



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Project:

Bendigo Ophir Gold Project

September 2024 Date: EGL Job No: 9702

TESTPIT No: EGLTP03 Photographed by: J. Frengley

Testpit at completion. Max depth 1.8m



Spoil pile at end of excavation



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Project:

Bendigo Ophir Gold Project

September 2024 9702 Date: EGL Job No:

TESTPIT No: EGLTP04 Photographed by: J. Frengley

Testpit at completion. Max depth 2.6m



Spoil pile at end of excavation



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Project:

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Testpit at completion. Max depth 0.9m



Spoil pile at end of excavation



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Project:

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Testpit at completion. Max depth 2.4m



Spoil pile at end of excavation



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Project:

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Testpit at completion. Max depth 2.4m



Spoil pile at end of excavation



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TESTPIT No: EGLTP08

Project:

Bendigo Ophir Gold Project

Photographed by: J. Frengley

September 2024 Date: EGL Job No: 9702

Testpit at completion. Max depth 2.9m



Spoil pile at end of excavation



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Project:

Bendigo Ophir Gold Project

September 2024 Date: EGL Job No: 9702

TESTPIT No: EGLTP09 Photographed by: J. Frengley



Testpit at completion. Max depth 1.3m



Spoil pile at end of excavation



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Project:

Bendigo Ophir Gold Project

September 2024 Date: EGL Job No: 9702



Testpit at completion. Max depth 2.7m



Spoil pile at end of excavation



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Project:

Bendigo Ophir Gold Project

September 2024 Date: EGL Job No: 9702

Photographed by: J. Frengley TESTPIT No: EGLTP11

Testpit at completion. Max depth 0.4m



Spoil pile at end of excavation



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Project:

Bendigo Ophir Gold Project

September 2024 Date: EGL Job No: 9702 TESTPIT No: EGLTP012

Photographed by: J. Frengley

Testpit at completion. Max depth 0.3m



Spoil pile at end of excavation



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TEST PIT LOG

TESTPIT No.: MTP01

SHEET 1 OF 1

Job No.: 9702.0

BOGP Test Pits DATE: 28/08/2024 LOCATION: Bendigo Ophir Stations

RL GROUND:

DATUM: NZVD2016 TESTPIT DEPTH: 6.0m

COORDINATES: East 1316670.6 North 5018867.0

GRID: NZTM 2000

						·							
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES	WATER CONTENT (%)	SEEPAGE / WATER LEVEL	R S (ki Vano oulde	TRE Pa) e (B	S 1377) eld Vane	FIELD TESTS
TS	Fine sandy SILT with minor clay; dark brownish black. Moist, soft, low plasticity.	0.0	× × × ×		- м	S							
	Silty GRAVEL with trace clay; dark brownish black. Moist, hard, low plasticity. Gravel; medium, subangular. (Alluvial Fan) Fine sandy SILT with minor gravel and trace clay; light brown. Dry, hard, low plasticity. Gravel; medium, subrounded to subangular.	0.3 -0.3 0.4 -0.4	K. X.		- IVI	н							
	(Alluvial Fan)	1.0	x x x x	1 _									
	SILT with minor clay; light brown. Dry, stiff, low plasticity. (Alluvial Fan) GRAVEL with minor Cobbles and Boulders; dark grey. Dry, loose, non plastic. Gravel; medium to coarse, subrounded. Cobbles; subrounded to subangular. Boulders up to 300mm, subrounded to subangular.	-1.9 -1.1			-	St							
	(Alluvial Fan)			2 _									
					-								
edancinally popular				3 _	D	L							
œac.					- - -								
				4 _	- - -								
				5 _	-								
	CLAY with minor silt and trace gravel; dark orange. Saturated,	<u>5.4</u> -5.4		3 -	-				5.60m, 01/01/2024				
	very soft, moderate plasticity. gravel; fine, angular.	5.6				VS			Ĥ.				
	(Alluvial Fan) CLAY trace gravels; dark bluish white. Saturated, soft, highly plastic. Gravel; fine, slightly weathered, angular.	-5.6			s	St			5.6				

NOTES: Logged by Matakanui staff, digitised by EGL staff. Target depth at 6.0m.

Groundwater at 5.6m.

LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:03 am - Produced with Core-GS by Geroc



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TEST PIT LOG

TESTPIT No.: MTP02

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

RL GROUND:

DATUM: NZVD2016

DATE: 28/08/2024 TESTPIT DEPTH: 6.0m

COORDINATES: East 1316356.0 North 5018713.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%)	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS	
TS	Fine sandy organic SILT; light greenish brown. Soft, dry, low plasticity.	0.0	ΔΛ ΔΔ Σ TS Ξ:			S						
	Fine sandy GRAVEL; light reddish brown. Dry, loose, non plastic. Gravel; medium to coarse, subrounded to subangular. (Holocene Landslide Deposits) Fine sandy GRAVEL; light reddish brown. Dry, loose, non plastic. Gravel; medium to coarse, subrounded to subangular. (Holocene Landslide Deposits)	-0.2 0.5 -0.5		- - -								
				1 _ -	D	L						
	Clayey SILT; Firm, moist, moderately plasticity.	2.1 -2.2		2 _		F						
osits	(Holocene Landslide Deposits) Clayey SILT with minor medium Gravel; dark greenish gray. Moist, medium dense, moderate plasticity. Gravel; medium to coarse, subrounded to subangular (Holocene Landslide Deposits)	-2.2 (** ** ** ** ** ** ** ** ** ** ** ** **	× × × × × × × × × × × × × × × × × × ×	× × × × × × × × × × × × × × × × × × ×		М						
Quarternary Deposits	Coarse GRAVEL cobbles and boulders; dark greenish gray. Saturated, loose, non plastic. Gravel; medium to coarse, subrounded to subangular. Cobbles; subrounded to subangular. Boulders up to 350mm, subangular. (Holocene Landslide Deposits)	3.0		3 _					фт, 01/01/2024			
				5 _	S	L		<	4.4			
		6.0	6.00 m	-								

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Target depth at 6.0m. Groundwater at 4.0m. LOGGED: FS

CHECKED: PC



Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

Engineering Geology Ltd

he4 9 486 2546 info@egl.co.nz Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752 www.egl.co.nz

TEST PIT LOG

TESTPIT No.: MTP03

SHEET 1 OF 1

Job No.: 9702.0

DATE: 28/08/2024 TESTPIT DEPTH: 4.0m

COORDINATES: East 1316387.0 North 5018772.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT (%)	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Organic SILT; light brown. Dry, loose, non plastic.	0.0	<u>*</u> ** <u>**</u> TS <u>*</u> ** _** TS	-	D	L				
	Fine sandy SILT with minor clay; light greenish brown. Dry, firm, moderately plasticity. (Alluvial Fan)	-0.4 0.7	K X X X X X X X X X X X X X X X X X X X	-						
Quarternary Deposits	Fine sandy SILT with minor clay; light green. Moist, Firm, moderate plasticity. (Alluvial Fan)	-0.7		- 1 _ - -	M	F				
Quarter	Medium grained sandy GRAVEL with minor cobbles and boulders; dark greenish grey. Saturated, loose, non plastic. Gravel; Medium to coarse, subangular. Cobbles; subrounded to subangular. Boulders up to 350mm, subangular. (Alluvial Fan)	2.5 -2.5		2 _				3. Apm, 01/01/2024		
TZ4	Cobbly SILT; dark green gray. Saturated, loose, low plasticity. Cobbles; Sub angular to angular. (Alluvial Fan)	-3.1 4.0 EOH	20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-	S	L				

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 4.0m
Groundwater at 3.0m.
Groundwater not encountered.

LOGGED: FS

CHECKED: PC



Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

Engineering Geology Ltd

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TEST PIT LOG

TESTPIT No.:

MTP04

SHEET 1 OF 1

Job No.: 9702.0

DATE: 28/08/2024 TESTPIT DEPTH: 4.1m

COORDINATES: East 1316380.0 North 5018755.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT (%) SEEPAGE WATER TEXEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) Remoulded Field Vane 50 100 150	FIELD TESTS
E	Organic SILT trace clay dark brown. Moist, loose, low plasticity.	9:9	70 V		М				
	Fine to medium GRAVEL with minor clay and silt; light brown. Dry, loose, low plasticity. Gravel; fine to medium, subrounded to subangular. (Holocene Landslide Deposits) SILT with minor CLAY; light whitish green. Dry, Firm, low plasticity. (Holocene Landslide Deposits)	-0.1 0.3 -0.3		- - -	D	F			
	Coarse gravelly SILT with minor fine sand; trace clay, light green. Dry, loose, low plasticity. Gravel; coarse, subrounded to subangular. (Holocene Landslide Deposits)	-1.0		1 <u> </u>		L			
Quarternary Deposits	SILT with minor medium sand trace clay; light green. Moist, firm, low plasticity. (Holocene Landslide Deposits) Fine sandy GRAVEL with trace silt and clay; light gray brown. Moist, loose, low plasticity. Gravel; Medium, subangular. (Holocene Landslide Deposits)	3.0 -3.0		2	м	F			
Z	Fine GRAVEL with minor sand trace silt and clay; dark gray. Moist, hard, low plasticity. Gravel; Fine, subangular.	4.0 - 4 .₽ EOH:	4.10 m	4 _		Н			

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:05 am - Produced with Core-GS by Geroc

Logged by Matakanui staff, digitised by EGL staff. NOTES:

Refusal at 4.1m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC



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TEST PIT LOG

TESTPIT No.: MTP05

SHEET 1 OF 1

Job No.: 9702.0

BOGP Test Pits DATE: 28/08/2024 LOCATION: Bendigo Ophir Stations

RL GROUND:

TESTPIT DEPTH: 7.0m

COORDINATES: East 1316420.0 North 5018812.0

	GROUND: TUM: NZVD2016				GRID		ATES		East 1 ZTM 2	316420. 2000	U No	rtn t	016	0012	2.0	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG				SAMPLES		WATER TEXT	CORISHEA SHEA Field ORem 50	AR S (kl I Vane oulde	TRE Pa) e (B:	ENG S 13	77) √ane	FIELD TES	TS
2	Organic SILT; dark brown. Moist, loose, low plasticity.	0.0	20 20 ≥ TS						1 000		-	-	\equiv	-		
	Medium GRAVEL with minor silt; light whitish brown. Moist, loose, non plastic. Gravel; fine to medium, subrounded. (Holocene Landslide Deposits)	0.2			М	L										
				-												
dadicilialy Deposits	Fine sandy SILT with minor CLAY; light green. Dry, Firm, moderate plasticity. (Alluvial Fan)	2.5 -2.5		3 _												
3333	Medium sandy GRAVEL; light grayish green. Dry, firm, low plasticity. Gravel; fine to medium, subrounded to subangular. (Alluvial Fan)	-3.5		4 _	D	F										
				5 6												
				-												
		6.5	° + · · · · · · · · · · · · · · · · · ·	-												
_	Fine sandy CLAY with trace gravels, light orangish blue. Moist, very soft, moderate plasticity. Gravel; fine, subrounded to subangular.	-6.6		-	M D	VS F										
3	(Alluvial Fan)	1			1			l								

NOTES: Logged by Matakanui staff, digitised by EGL staff. Target depth at 7.0m.
Groundwater not encountered.

LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:06 am - Produced with Core-GS by Geroc



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TEST PIT LOG

TESTPIT No.: MTP06

SHEET 1 OF 1

Job No.: 9702.0

BOGP Test Pits LOCATION: Bendigo Ophir Stations TESTPIT DEPTH: 7.0m

RL GROUND:

DATUM: NZVD2016 DATE: 28/08/2024

COORDINATES: East 1316414.0 North 5018801.0

NZTM 2000

<u>^</u>	TUM: NZVD2016				GRID				ZTM 2		
GEOLOGICAL UNII	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES	WAIER CONIENI (%)	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
)	Fine sandy organic SILT; dark brown. Moist, loose low plasticity. Organic CLAY trace fine gravels; light whitish brown. Dry, Firm, low plasticity. Gravel; fine, subrounded. (Holocene Landslide Deposits)	0.0 0.2 -0.2	20 30 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		M	L					
	Clayey SILT with minor gravels and trace cobbles, light greenish gray. Dry, firm, low plasticity. Gravels; fine to coarse, subangular. Cobbles; up to 150mm, subangular to angular. (Holocene Landslide Deposits)	1.2	**************************************	1 -	D	F					
	Bouldery COBBLES; Light green. Wet, very dense, non plastic. Cobbles; up to 200mm, subangular to angular. Boulders up to 250mm, subangular to angular. (Alluvial Fan)	2.2		2 _			•				
				- 4 _							
				5 _	W	VD			5. Apm, 01/01/2024		
			음 : 이 : - : : : : : : : : : : : : : : : :	6 _							
		7.0 EOH	7.00 m		-						

NOTES: Logged by Matakanui staff, digitised by EGL staff. Target depth at 7.0m.

Groundwater at 5.0m.

LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:06 am - Produced with Core-GS by Geroc



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TEST PIT LOG

TESTPIT No.:

9702.0

SHEET 1 OF 1

Job No.:

MTP07

PROJECT: **BOGP Test Pits** Bendigo Ophir Stations DATE: 28/08/2024 TESTPIT DEPTH: 6.0m

LOCATION: RL GROUND:

COORDINATES: East 1316356.4 North 5018866.5

DATUM: NZVD2016

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	%) SEEDAGE /	WXTER/TEMEL	SH ●Fie ○Re	EAF	R STR (kPa ane (laded laded)	ENC) 3S 1: Field	GTF 377	1	FIELD TESTS
SI	Organic SILT with minor medium Gravel trace clay; dark brown.	0.0	≗″TS **	_	M	L			90				-	!		
	Moist, loose, low plasticity. Coarse sandy GRAVEL; dark brown red. Dry, firm, low plasticity. Gravel; fine to medium, subangular. (Holocene Landslide Deposits)	0.2		1 _	-											
		2.2		2 -	-	F										
Quarternary Deposits	Coarse GRAVEL with minor clay; light gray green. Dry, dense, non plastic. Gravel; coarse, subrounded to subangular. (Alluvial Fan)	-2.2		3 -	D	D										
	Fine sandy COBBLES with minor medium gravel; light gray. Dry, loose, low plasticity. Gravels; fine to coarse, subangular. Cobbles; up to 150mm, subangular to angular. (Alluvial Fan)	3.5		4 _	-	L										
	Clayey SILT trace medium gravels; light gray blue. Dry, firm, moderate, plasticity. Gravel; fine to medium, subrounded to	5.0 -5.9 -5.1		5 _	-	F			-							
123	subangular. (Alluvial Fan) GRAVEL with minor silt; light gray. Dry, hard, non plastic. Gravel; fine to medium, subrounded to subangular.	6.0				н										
		EOH	: 6.00 m													
IOT	TES: Logged by Matakanui staff, digitised by EGL staff.						1.00	3C=	D:	FS						
	isal at 6.0m						1500	3GE	J.	го						



Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

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TEST PIT LOG

TESTPIT No.:

9702.0

SHEET 1 OF 1

MTP08

Job No.: DATE: 28/08/2024

TESTPIT DEPTH: 5.0m

COORDINATES: East 1316041.0 North 5019118.0

GRID: NZTM 2000

	112.7526.16				01110					-000		
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES	WAIER CONIENT	SEEPAGE / WATER LEVEL	CORRECTE SHEAR STI (kPa Field Vane I ORemoulded	RENGTH a) BS 1377) Field Vane	FIELD TESTS
TS	Organic SILT; dark brown. Moist, soft, low plasticity.	0.0	ΔΛ ΔΔ Σ TS :		М	s						
	Medium sandy organic SILT with minor clay; light brown. Dry, Firm, low plasticity. (Holocene Landslide Deposits)	-0.3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 _		F						
Quartemary Deposits	GRAVEL with minor clay; light grayish brown. Dry, hard, low plasticity. Gravel; fine to medium, subrounded to subangular. (Holocene Landslide Deposits)	-1.0		2 -	D	н						
	CLAY with minor silt trace gravel, light gray white. Moist, firm, low plasticity. Gravel; fine, subrounded to subangular. (Alluvial Fan)	-3.6 3.8 -3.8			М	F						
	CLAY with minor fine sand and trace gravel; white. Moist, hard, low plasticity. Gravel; fine, subrounded to subangular.	4.0 -4.0		4 _		Н			2024			
	(Alluvial Fan) COBBLES and BOULDERS with minor coarse sand; light gray. Saturated, loose, non plastic. Cobbles; up to 200mm, subangular to angular. Boulders up to 250mm, subangular to angular.	4.5 -4.5			s	L		<	Ap m, 01/01/2024			
	(Alluvial Fan) GRAVEL with minor medium top coarse sand; light orangish brown. Moist, dense, non plastic. Gravel; fine to medium, subrounded to subangular. (Alluvial Fan)	5.0 EOH	5.00 m		М	D			4			
	, ,											

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 5.0 Groundwater at 4.5m LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:08 am - Produced with Core-GS by Geroc



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TEST PIT LOG

TESTPIT No.: MTP09

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

RL GROUND:

DATUM: NZVD2016

DATE: 28/08/2024 TESTPIT DEPTH: 7.0m

COORDINATES: East 1316100.0 North 5019058.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE	CONSISTENCY / DENSITY	SAMPLES	WATER CONTENT (%)	SEEPAGE / WATER LEVEL	Cr Sr OF	ORR HEA	R S (kl Vane oulde	TRI Pa) e (B ed Fi	ENG S 13	377) Van		FIELC) TESTS	;
TS	Organic SILT with minor fine sand; dark brown. Moist, Firm, low plasticity.	0.0	≗Ts ≝: ≝ ⊤s		М	F													
	Coarse GRAVEL with minor medium gravel and organic silt; light brown. Dry, loose, non plastic. Gravel; fine to coarse, subrounded. (Holocene Landslide Deposits)	-0.3		1 =		L													
	Medium coarse GRAVEL with minor fine sand; light whitish yellow. Dry, medium dense, non plastic. Gravel; fine to coarse, subrounded. (Holocene Landslide Deposits) Medium sandy GRAVEL; light whitish brown. Dry, medium dense, non plastic. Gravel; fine to medium, subrounded. (Holocene Landslide Deposits)	-1.0 1.3 -1.3				MD													
Quartemary Deposits	Coarse GRAVEL and COBBLES minor clay; light grey. Dry, firm, low plasticity. Gravel; coarse, subangular. Cobbles; up to 120mm, subrounded to subangular. (Alluvial Fan)	5.0	1, 5, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,	3 - · · · · · · · · · · · · · · · · · ·	D	F			5.00m, 01/01/2024										
	GRAVEL; Dark grey. Saturated, loose, non plastic. Gravel; medium to coarse, subrounded to angular. (Alluvial Fan)	-5.0		- - 6 _	S	L			79										
	CLAY silt; dark bluish white. Moist, stiff, highly plasticity. (Alluvial Fan)	6.4 -6.5	· · · · ·		М	St													
	(Alluvial Fan) GRAVEL fine sand; dark grayish orange. Dry, dense, non plastic. Gravel; fine to medium, subrounded. (Alluvial Fan)	7.0	: 7.00 m		D	D													

NOTES: Logged by Matakanui staff, digitised by EGL staff. Target depth at 7.0m.

Groundwater at 5.0m.

LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:08 am - Produced with Core-GS by Geroc



Bendigo Ophir Stations

LOCATION:

RL GROUND:

Engineering Geology Ltd

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TEST PIT LOG

TESTPIT No.: MTP10

SHEET 1 OF 1

9702.0

Job No.:

DATE: 28/08/2024

TESTPIT DEPTH: 7.0m

COORDINATES: East 1315960.0 North 5019155.0

Clayer SILT with minor fine sand; dark brown and yellow Moist, 23 bit 1 Silt Silt Silt Silt Silt Silt Silt Silt				၅၀		7	NCY /	NTENT		VEL \	SHEA		REN			
Organic SILT; teaco clay, dark brown. Moist, Loose, low plasticity. Silt CLAY: with minor medium gravel, dark viscen and yelidow. Moist, firm, now plasticity. (Holocene Landslide Deposits) CLayey Silt. T with minor medium gravel, dark yellowish white. Subtrounded. CLayey Silt with minor coarse gravel, dark orangish brown. Moist, were subtrounded. (Allovial Fan) CLAY: with minor coarse gravel; dark orangish brown. Moist, very soft, orangish proving the plasticity. Gravel; orange, subrounded. Silt CLAY: light gray, Dry, Erm, low plasticity. Allovial Fan) CLAY: minor coarse gravel; dark orange brown. Moist, very soft, low plasticity (Allovial Fan) CLAY: minor coarse gravel; dark orange brown. Moist, very soft, low plasticity (Allovial Fan) CLAY: minor coarse gravel; dark orange brown. Moist, very soft, low plasticity (Allovial Fan) CLAY: minor coarse gravel; dark orange brown. Moist, very soft, low plasticity (Allovial Fan) CLAY: minor coarse gravel; dark orange brown. Moist, very soft, low plasticity. Allovial Fan) CLAY: dark blue. Saturated, very stiff, high plasticity. Allovial Fan) CLAY: dark blue. Saturated, very stiff, high plasticity. CLAY: dark blue. Saturated, very stiff, high plasticity.	GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / R	GRAPHIC	DEРТН (m)	MOISTURE CONDITIOI	CONSISTE DENSITY	SAMPLES	(%)	SEEPAGE WATER LE	Field \ ORemote	ulde	d Fiel	d Va	7) ane	FIELD TESTS
CLAY; Silt Twith minror medium gravel, dark yellowish white. Moist, firm, moderate plasticity. Gravet; fine to medium, subcounded. (Alluvial Fan) M CLAY with minror coarse gravet; dark crangish brown. Moist, very soft, own plasticity. Gravet; coarse, subrounded. (Alluvial Fan) Silt CLAY; light gray. Dry, firm, low plasticity. (Alluvial Fan) Silt CLAY; light gray. Dry, firm, low plasticity. (Alluvial Fan) Silt CLAY; light gray. Dry, firm, low plasticity. (Alluvial Fan) A D F CLAY minor coarse gravet; dark orange brown. Moist, very soft, one plasticity. (Alluvial Fan) A D F CLAY; dark blue. Saturated, very stiff, high plasticity.	SL	plasticity. Silty CLAY with minor fine sand; dark brown and yellow. Moist, firm, low plasticity.	0.3	7 12 E												
CLAY with minor coarse gravel; dark orangish brown. Moist, very soft, low plasticity. Gravel; coarse, subrounded. Silt CLAY; light gray. Dry, firm, low plasticity. (Alluvial Fan) Silt CLAY; light gray. Dry, firm, low plasticity. (Alluvial Fan) D F A D D F A D D F A D D F A D D F A D D F A D D F A D D F A D D F A D D F A D D F A D D F A D D F A D D F A D D F A D D D F A D D D F A D D D D D D D D A D D D D D D A D D D D		Moist, firm, moderate plasticity. Gravel; fine to medium, subrounded.	1.2	× × × × × × × × × × × × × × × × × × ×		M	F									
Silit CLAY, light gray. Dry, firm, low plasticity. (Alluvial Fan) CLAY minor coarse gravel; dark orange brown. Moist, very soft, low plasticity. Gravel; coarse, subrounded. (Alluvial Fan) CLAY; dark blue. Saturated, very stiff, high plasticity. CLAY; dark blue. Saturated, very stiff, high plasticity.	=	very soft, low plasticity. Gravel; coarse, subrounded.		× × × × × × × × × × × × × × × × × × ×			VS									
CLAY; dark blue. Saturated, very stiff, high plasticity. (Alluvial Fan) S VSt A D D D D D D D D D D D D D D D D D D	irtemary Deposits	(Alluvial Fan) CLAY minor coarse gravel; dark orange brown. Moist, very soft, low plasticity. Gravel; coarse, subrounded.	-3.4 3.6	× × × × × × × × × × × × × × × × × × ×	3 -	D	F									
CLAY; dark blue. Saturated, very stiff, high plasticity. (Alluvial Fan) 5.5 6 -	Qua					M	VS									
m, 01/01/2024	-				6 _											
EOH: 7.00 m			7.0 EOH	7,00 m		S	VSt			Jo m, 01/01/2024						
	Γαις	TES: Logged by Matakanui staff, digitised by EGL staff. get depth at 7.0m. undwater at 7.0m.						LO	GGE	ED:	FS					



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TEST PIT LOG

TESTPIT No.: MTP11

SHEET 1 OF 1

Job No.: 9702.0

DATE: 28/08/2024

LOCATION: Bendigo Ophir Stations RL GROUND:

TESTPIT DEPTH: 5.0m

DATUM: NZVD2016 **COORDINATES:** East 1315942.0 North 5019119.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%)	WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) Remoulded Field Vane 50 100 150	FIELD TESTS
TS	Organic SILT with minor coarse sand; dark brownish, gray. Moist, loose, low plasticity. Silty CLAY; dark greenish gray. Moist, firm, moderately plasticity. (Alluvial Fan)	0.0	20 00 00 00 00 00 00 00 00 00 00 00 00 0	- - - 1 _ -	M	F					
Quarternary Deposits	COBBLES and BOULDERS with minor Gravel: Medium to course, dark gray. Wet, loose, low plasticity. Gravel; medium to coarse, subrounded. Cobbles; subrouned to subangular. Boulders up to 250mm, subrounded to subangular. (Alluvial Fan)	2.0	10-10-10-10-10-10-10-10-10-10-10-10-10-1	2	w	L					
	GRAVEL with minor clay; dark grayish orange. Saturated, hard, low plasticity. Gravel; coarse, subangular. (Alluvial Fan)	3.8 -3.8	그 (- - 4 _ - -	co	Н		<	3.40m, 01/01/2024		
		_{5.0} EOH	: 5.00 m								

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:09 am - Produced with Core-GS by Geroc

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 5.0m. Groundwater at 3.8m. LOGGED: FS

CHECKED: PC



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TEST PIT LOG

TESTPIT No.: MTP12

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

NZVD2016

RL GROUND:

DATUM:

DATE: 28/08/2024 TESTPIT DEPTH: 6.0m

COORDINATES: East 1316133.0 North 5018989.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%)	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
Quartemary Deposits S.	Fine sandy organic SILT; light brown. Moist, loose, low plasticity. Gravelly Coarse sand; light gray. Moist, loose, none plasticity. Gravel; fine to medium, subangular. (Alluvial Fan) Silt CLAY with minor medium gravel; light whitish yellow. Moist, firm, moderate plasticity. Gravel; medium, subangular. (Alluvial Fan) Clayey SILT with minor fine sand; darkish greenish white. Moist, firm, low plasticity. (Alluvial Fan)	9.9 9.2 -0.2		1	M	F			3.spm, 01/01/2024		
	Bouldery COBBLES with minor coarse gravel; dark gray. Saturated, loose, non plastic. Gravel; coarse, subangular. Cobbles; subangular to angular. Boulders; up to 300mm, subangular. (Alluvial Fan)	6.0 EOH		5 _ · · · · · · · · · · · · · · · · · ·	S	L					

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Target depth at 6.0m. Groundwater at 3.5m.

LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:10 am - Produced with Core-GS by Geroc



- → 1464 9 486 2546
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TEST PIT LOG

TESTPIT No.: MTP13

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

RL GROUND:

DATE: 28/08/2024 TESTPIT DEPTH: 6.5m

COORDINATES: East 1316232.0 North 5018841.0

DATUM: NZVD2016				GRID):		NZ	TM 2	2000	
SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES	WAIER CONIENI	₩XTÆYTEYEL	CORRECTED VANE SHEAR STRENGTH (KPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
Fine sandy organic SILT; whitish brown. Dry, loose, non plastic.	0.0	74 46 24 47 24 13 24 46			L			000		
Cobbly GRAVEL with trace clay; light whitish yellow. Dry, hard, low plasticity. Gravel; medium to coarse, subangular. Cobbles up to 150mm, subrounded to subangular. (Alluvial Fan)	6.5 -0.5		1	D	Н					

LOGGED: FS

Target depth at 6.5m. Groundwater not encountered.

Logged by Matakanui staff, digitised by EGL staff.

CHECKED: PC **EXCAVATOR:** 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:10 am - Produced with Core-GS by Geroc

NOTES:



Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

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TEST PIT LOG

TESTPIT No.:

9702.0

SHEET 1 OF 1

MTP14

Job No.:

DATE: 28/08/2024 TESTPIT DEPTH: 6.5m

COORDINATES: East 1316087.0 North 5019006.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	WAIEN CONTENT	SEEFAGE / WATER LEVEL	CORRESHEAR Field Va ORemoul	STRE (kPa) ane (BS	ENGTH	FIELD TESTS
TS	Medium sandy organic SILT; dark brown. Moist, firm, non plastic.	0.0	ΔΛ ΔΔ. Σ TS		М	F							
	Cobbly GRAVEL; light brownish white. Dry, loose, non plastic. Gravel; medium to coarse, subangular to angular. Cobbles; up to 175mm, subangular to angular. (Holocene Landslide Deposits)	0.2		1	D	L							
			°. •°. □	•									
sits	Cobbly GRAVEL with minor coarse sand; light whitish brown. Dry, medium dense, non plastic. Gravel; coarse, subangular to angular. Cobbles; up to 120mm, subangular to angular. (Holocene Landslide Deposits)	2.5 -2.5		3 _	-	F			_				
Quarternary Deposits	Cobbly GRAVEL with minor clay; light brownish white. Moist, stiff, moderate plasticity. Gravel; coarse, subangular to angular. Cobbles; up to 120mm, subangular to angular. (Alluvial Fan)	3.2			-								
	Cobbly GRAVEL; light whitish brown. Moist, stiff, low plasticity. Gravel; medium to coarse, subangular to angular. Cobbles; up to 150mm, subangular to angular. (Alluvial Fan)	4.0		4 _	M	St							
	CLAY with minor fine sand; light bluish orange. Wet, very soft, moderate plasticity. (Alluvial Fan)	5.5 -5.5 -6.0		6 _	w	VS			6 /2p m, 01/01/2024				
	CLAY with minor gravel; light bluish white. Wet, very soft, high plasticity. Gravel; coarse, subangular to angular. (Alluvial Fan)	6.5		•				<	6.40m,				
		EOH	: 6.50 m										

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Target depth at 6.5m. Groundwater at 6.2m. LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:11 am - Produced with Core-GS by Geroc



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TEST PIT LOG

TESTPIT No.: MTP15

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

RL GROUND:

DATUM: NZVD2016 DATE: 28/08/2024 TESTPIT DEPTH: 4.5m

COORDINATES: East 1316144.0 North 5018940.0

GRID: NZTM 2000 Т

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%) SEEPAGE /	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150
TS	TOPSOIL, with minor silt; dark brown. Moist, soft, non plastic.	0.0	on one one of the one			S			
Quarternary Deposits	SILT with minor clay; light greenish brown. Moist, very soft, moderate plasticity. (Alluvial Fan) Clayey SILT; light orangish blue. Moist, very soft, moderate plasticity. (Alluvial Fan) Cobbly coarse SAND with minor gravel; light gray. Saturated, stiff, low plasticity. Gravel; coarse, subangular to angular. Cobbles; up to 120mm, subangular to angular. (Alluvial Fan)	2.0 -2.0 -2.6	2	1	M	VS		3. <u>20</u> m., 01/01/2024	

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:11 am - Produced with Core-GS by Geroc



Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

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TEST PIT LOG

TESTPIT No.: MTP16

SHEET 1 OF 1

Job No.: 9702.0

DATE: 28/08/2024 TESTPIT DEPTH: 6.5m

COORDINATES: East 1316288.0 North 5018828.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES	WATER CONTENT (%)	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Organic SILT; dark brown. Moist, very soft, low plasticity.	0.0	<u>ων ων</u> ΣΤS :		М	vs					
F	SILT with minor clay; light yellowish white. Dry, soft, low	-0.2	2 13 ;		\vdash						
	plasticity.		× × ×								
	(Alluvial Fan)		× × × ×			s					
			× × ×		1	3					
			× × ×		-						
	SILT with minor find sand; light greenish white. Dry, very soft,	1.0 -1.0	*	1 _	┨						
	low plasticity.		× × ×		D						
	(Alluvial Fan)		× × ×								
			× × ×		1	vs					
			× × × ×		1						
			* * * *		-						
	Carrelly fine to access CAND, light have Maint your stiff	2.0	× × ×	2 _			.				
	Gravelly fine to coarse SAND; light brown. Moist, very stiff, non plastic. Gravel; fine to medium, sugangular.	-2.0									
	(Alluvial Fan)		** * * * *								
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Quarternary Deposits					1						
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				-							
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				_ '							
				5 _	1						
			*****		1						
	COBBLES and BOULDERS with minor fine gravel; dark gray,	5.4 -5.4	°°°°°		_				4		
	vellow, Saturated, medium dense, non plastic, Gravel; fine to	5.7							6. Op m, 01/01/2024		
`	coarse; subrounded to subangular. Cobbles; subrounded to subangular. Boulders up to 250mm, subrounded.		<u>رون</u> ي،		s	MD			1/01/		
	(Alluvial Fan)		2003		1				η, 0		
		6.1		6 _	L			ŀ	\$		
	CLAY with minor gravel; dark blackish orange. Moist, very stiff, high plasticity. Gravel; coarse, subrounded.	-6.1			┨ <u></u>						
	(Alluvial Fan)				M	VSt					
	<u></u>	6.5 EOH	: 6.50 m		<u> </u>					: : : : : :	

NOTES: Logged by Matakanui staff, digitised by EGL staff. Target depth at 6.5m. Groundwater at 6.0m.

LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

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TEST PIT LOG

TESTPIT No.: MTP17

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits**

LOCATION: Bendigo Ophir Stations

RL GROUND:

DATE: 28/08/2024 TESTPIT DEPTH: 1.0m

COORDINATES: East 1316345.0 North 5018779.0

DA	NZVD2016				GRID	:		NZTM	2000	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT		CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
Quartemary TS	Organic SILT; with minor fine sand, dark brown. Dry, very wet, non plastic. Fine to medium sandy SILT; light yellowish white. Dry, very soft, low plasticity. (Holocene Landslide Deposits)	0.0 0.2 -0.2	2 TS		D	VS		7 00		
		EOH	: 1.00 m							

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Groundwater not encountered.

Refusal at 1.0m.

LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 2/12/2024 12:45:40 pm - Produced with Core-GS by Geroc



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TEST PIT LOG

TESTPIT No.: MTP18

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

RL GROUND:

DATUM: NZVD2016 DATE: 28/08/2024 TESTPIT DEPTH: 6.5m

COORDINATES: East 1316358.0 North 5018814.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%) SEEPAGE /	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150
TS	Organic SILT with minor medium sand; light grayish brown.	0.0	ΔΛ ΔΔ Σ TS			vs		Ť	
T	Moist, very soft, non plastic. Coarse SAND with minor gravel; light gray. Moist, loose, low plasticity. Gravel; fine to medium, subrounded to subangular. (Alluvial Fan)	-0.2	2 13		-	L			
	SILT with minor clay; yellowish white. Moist, soft, moderate plasticity. (Alluvial Fan) SILT with minor clay; dark gray. Moist, soft, moderate plasticity. (Alluvial Fan)	1.0 -1.0 1.3 -1.3	X X X X X X X X X X X X X X X X X X X	1 <u>-</u>	-	S			
	Gravelly Medium to corase SAND with minor silt; grayish white. Moist, loose, non plastic. Gravel; fine to medium, subrounded. (Alluvial Fan)	-1.7		2 _	М	L			
	SILT with minor clay; light whitish yellow. Moist, soft, moderate plasticity. (Alluvial Fan)	-2.1	* * * * * * * * * * * * * * * * * * *		-	s			
sits	GRAVEL with minor medium to coarse sand; light grayish brown. Moist, dense, non plastic. Gravel; fine to medium, subrounded.	2.8 -2.8 3.0 -3.0	× × ×	3 _		D			
Quarternary Deposits	\((Alluvial Fan)\) SILT with minor clay; light whitish yellow. Moist, soft, moderate plasticity.		* * * * * * * * * * * * * * * * * * *			S			
Quartern	(Alluvial Fan) COBBLES and BOULDERS with minor gravel; light whitish grey. Saturated, medium dense, low plasticity. Gravel; fine to coarse; subrounded to subangular. Cobbles; subrounded to subangular. Boulders up to 250mm, subrounded. (Alluvial Fan) CLAY with trace gravel; dark bluish orange. Saturated, loose, moderate plasticity. Gravel; coarse, subrounded to subangular.	3.5 -3.5 -6.3 -6.3		5 - 6 -	S	L		4 Abm 01/01/2024	
Г	moderate plasticity. Gravel; coarse, subrounded to subangular. (Alluvial Fan)		: 6.50 m	<u> </u>					

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Target depth at 6.5m.

Groundwater at 4.0m.

LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:12 am - Produced with Core-GS by Geroc



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TEST PIT LOG

TESTPIT No.: MTP19

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits** Bendigo Ophir Stations

LOCATION: RL GROUND:

DATUM: NZVD2016 DATE: 28/08/2024 TESTPIT DEPTH: 2.5m

COORDINATES: East 1316306.0 North 5018800.0

NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT (%)	NSEFPAGE/	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Van 50 100 150	FIELD TESTS
TS	Organic SILT with minor medium sand; light gray, brown. Moist, very soft, non plastic.	0.0	ΔΛ ΣTS ≃:		М	S		0.6		
Quarternary Deposits	GRAVEL with minor medium sand; light whitish brown. Dry, dense, non plastic. Gravel; fine to coarse, subrounded to angular. (Holocene Landslide Deposits) SILT with minor fine sand and trace clay; light brownish gray. Dry, soft, low plasticity. (Holocene Landslide Deposits) GRAVEL with minor fine sand trace cobbles; light grayish white.	-0.2 1.0 -1.0		- - 1 _ -	D	D				
Qua	Dry, hard, non plastic. Gravel; coarse, subangular to angular. Cobbles; up to 150mm, subrounded to angular. (Holocene Landslide Deposits)	2.5	2 50 m	2 _ - -		н				

EOH: 2.50 m

EGL - Hand Auger - Test Pit v8 - 2/12/2024 12:44:26 pm - Produced with Core-GS by Geroc

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 2.5m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC



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TEST PIT LOG

TESTPIT No.: MTP20

SHEET 1 OF 1

Job No.: 9702.0

DATE: 28/08/2024 TESTPIT DEPTH: 5.5m

LOCATION: Bendigo Ophir Stations RL GROUND:

COORDINATES: East 1316428.0 North 5018725.0 DATUM: NZVD2016 GRID: NZTM 2000

ᆫ		10W. 1424 D2010				GIVID	•		1 1 2 1 1 1 1 2		
GFOI OGICAL LINIT		SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DEРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	SEEPAGE/ WXTER/TEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
		Coarse GRAVEL with minor fine sand; dark brownish black. Moist, Loose, non plastic. Gravel; fine to coarse, subrounded. (Holocene Landslide Deposits) GRAVEL with minor coarse sand; dark whitish brown. Moist, Loose, non plastic. Gravel; fine to coarse, subrounded. (Holocene Landslide Deposits) Fine to coarse sandy GRAVEL; light grayish cream. Moist, Loose, non plastic. Gravel; fine to medium, subrounded. (Holocene Landslide Deposits) SILT with minor fine sand trace clay; light brown. Moist, firm,	0.0 0.2 -0.2 0.5 -0.5 -1.0			-	L		2 00		
	_	moderately plasticity. (Holocene Landslide Deposits) Gravelly SILT with minor coarse sand trace clay; light greenish	1.6 -1. 9			- - M	F				
Ougsternary Deposits		white. Moist, firm, low plasticity. Gravel; fine to medium, subrounded to subangular. ((Holocene Landslide Deposits) Fine to medium SAND with minor silt; light greenish white. Moist, medium dense, non plastic. (Holocene Landslide Deposits) BOULDERS and COBBLES; light orangish brown. Moist,	-2.0 3.0 -3.0	~ ∂0.4	2 -	- - - -	MD				
Č	Š	medium dense, non plastic. Cobbles; subrounded to angular. Boulders; up to 400mm, subrounded to angular. (Undifferentiated Quaternary landslide deposits)		TENTER DE TOLETO EN COMENTA DE LA COMENTA DE	4 -	-					
			5.5 EOH:	5.50 m	э_						

Logged by Matakanui staff, digitised by EGL staff.

NOTES: Refusal at 5.5m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 2/12/2024 12:42:58 pm - Produced with Core-GS by Geroc



Bendigo Ophir Stations

LOCATION:

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TEST PIT LOG

TESTPIT No.: MTP21

9702.0

SHEET 1 OF 1

Job No.:

DATE: 28/08/2024 TESTPIT DEPTH: 2.5m

COORDINATES: East 1317720.0 North 5018320.0

RL GROUND: DATUM: NZVD2016 NZTM 2000 GRID: MOISTURE
CONDITION
CONSISTENCY /
DENSITY
SAMPLES
WATER CONTENT
(%)
WATER CEVEL CORRECTED VANE GEOLOGICAL UNIT SHEAR STRENGTH **GRAPHIC LOG** (kPa) DEPTH / RL SOIL MATERIAL DESCRIPTION DEPTH (m) **FIELD TESTS** Field Vane (BS 1377) ORemoulded Field Vane 100 150 9:9 -0.1 Medium sandy organic SILT with minor medium gravel; light brown gray. Moist, Loose, non plastic. Gravelly COBBLES with minor coarse sand; light brown gray. -0.3 Dry, Loose, low plasticity. Gravel; coarse, subangular to angular. Cobbles; up to 150mm, subangular to angular. (Alluvial Fan) Gobbley BOULDERS with minor gravel and trace clay; light gray. Dry, dense, non plastic. Gravel; coarse, subangular to angular. Cobbles; angular, platy. Boulders; angular platy. Quarternary Deposits (Alluvial Fan) D 2

EOH: 2.50 m

· Hand Auger - Test Pit v8 - 2/12/2024 12:42:09 pm - Produced with Core-GS by Geroc

EGL-

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 2.5m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC



Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

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TEST PIT LOG

TESTPIT No.: MTP22

SHEET 1 OF 1

Job No.: 9702.0

DATE: 28/08/2024

TESTPIT DEPTH: 5.5m

COORDINATES: East 1317605.0 North 5018412.0

GRID: NZTM 2000

Micist, Lose, low plasticity. Alluvial Fan) PEAT with minor fine sand; trace day dark brownish gray. Micist, Lose, low plasticity. Alluvial Fan) PEAT with minor fine sand; trace day dark brownish gray. Micist, and minor fine sand; trace day dark brownish gray. Micist, soft, moderate plasticity. Alluvial Fan) PEAT with minor fine sand; trace day dark brownish gray. Micist, soft, moderate plasticity. Alluvial Fan) S Alluvial Fan S H Alluvial Fan S Alluvial Fan S Alluvial Fan S H Alluvial Fan S Alluvia	GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT (%)	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
EOH: 5.50 m		Organic SILT some clay trace to some gravel; light brown. Moist, loose, low plasticity. Gravelly fine to coarse SAND; light brown. Moist, dense, non plastic. Gravel; fine to medium, subrounded to subangular. (Alluvial Fan) PEAT with minor fine sand; trace clay dark brownish gray. Moist, soft, moderate plasticity. (Alluvial Fan) COBBLES and BOULDERS minor silt and clay; dark greenish, gray. Saturated, hard, low plasticity. Cobbles; angular, platy. Boulders; angular platy. (Alluvial Fan)	8.9 -0.1	2 2 2 2 2 2 2 2 2 2		М					

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 5.5m. Groundwater at 3.8m. LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 2/12/2024 12:41:00 pm - Produced with Core-GS by Geroc



Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

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TEST PIT LOG

TESTPIT No.:

SHEET 1 OF 1

MTP23

Job No.: 9702.0

DATE: 28/08/2024 TESTPIT DEPTH: 6.0m

COORDINATES: East 1316871.0 North 5018638.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%) SEEPAGE /	WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Fine sandy organic SILT with minor medium gravel; light brown. Moist, loose, non plastic.	0.0	ΔΛ Σ TS ΔΛ			L					
	Clayey SILT with minor gravel; light greenish white. Moist, firm, moderate plasticity. Gravel; coarse, subangular. (Alluvial Fan) GRAVEL with minor fine sand trace clay; light gray. Moist,	1.0 -1.9	× × × × × × × × × × × × × × × × × × ×	- - 1 _		F					
	loose, low plasticity. Gravel; coarse, subangular. (Alluvial Fan) Clayey SILT with minor gravel; light greenish white. Moist, firm, moderate plasticity. Gravel; coarse, subangular. (Alluvial Fan)	-1.1	× × ×	-	М	L					
	Colobly GRAVEL with minor fine to coarse sand and trace clay; light grayish white. Moist, hard, low plasticity. Gravel; fien to medium, subangular. (Alluvial Fan)	1.6 -1.6		2 _							
Deposits	COBBLES with minor Boulders; dark gray. Saturated, loose,	3.0 -3.0		- - 3 _		Ħ			óp m, 01/01/2024		
Quarternary Deposits	non plastic. Cobbles; angular, platy. Boulders; angular platy. (Alluvial Fan)	0.0		- - - 4 _					3,		
				- - - 5 _	S	L					
	CLAY with minor gravel; light orange. Wet, very soft, moderate plasticity. Gravel; coarse, angular. (Alluvial Fan)	5.6 -5.6 5.8 -5.8		-	W	VS					
	GRAVEL with minor clay; light orange. Saturated, very soft, low plasticity. GRAVEL: coarse, Angular, unweathered, schist. (Alluvial Fan)	EOH	6.00 m								I

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Target depth at 6.0m. Groundwater at 3.0m. LOGGED: FS CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:15 am - Produced with Core-GS by Geroc



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TEST PIT LOG

TESTPIT No.: MTP24

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits** DATE: LOCATION: Bendigo Ophir Stations TESTPIT DEPTH: 7.5m

RL GROUND:

28/08/2024

COORDINATES: East 1316764.0 North 5018601.0

Т	TUM: NZVD2016				GRID	_		NZTM		DVANE	
GEOLOGICAL UNII	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	SEEPAGE	CORRECTE SHEAR STR (kPa) Field Vane (E ORemoulded F	ENGTH 3S 1377)	FIELD TESTS
2	Organic SILT with some medum gravel minor medium sand; light brown. Dry, loose, low plasticity. Medium to coarse sandy GRAVEL; light brownish white. Dry, dense, non plastic. Gravel; fine to medium, subrounded to subangular. (Alluvial Fan)	0.0 0.2 -0.2	2 TS	1 -		D		0.0			
	Fine sandy SILT with minor gravel; light whitish orange. Dry, firm, low plasticity. Gravel; fine to medium, subrounded to	-1.5	* * * * *			F					
	subangular. (Alluvial Fan) GRAVEL with minor sand; light whitish orange. Dry, hard, low plasticity. Gravel; fine to coarse, subrounded to subangular.	1.8 -1.8	K. 8	2 _	-	н					
Cuartemary Deposits	Cobbly BOULDERS with minor fine sand; light white yellow. Dry, dense, non plastic. Cobbles; subrounded to subangular. Boulders; up to 250mm subrounded to subangular. (Undifferentiated Quaternary landslide deposits)	4.5 -4.5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3	D	D					
	TES. Lagged by Matakanni atali distinct the EQL at #	ZUH	i. <i>i</i> .50 m				1				
	ES: Logged by Matakanui staff, digitised by EGL staff. let depth at 7.5m.						LOG	GED:	FS		



Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

Engineering Geology Ltd

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TEST PIT LOG

TESTPIT No.:

MTP25

SHEET 1 OF 1 Job No.: 9702.0

DATE: 28/08/2024

TESTPIT DEPTH: 4.5m

COORDINATES: East 1316746.0 North 5018646.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES	WATER CONTENT (%) SEEPAGE /	WATER LEVEL	CORRECTED N SHEAR STREN (kPa) Field Vane (BS ORemoulded Field 50 100	GTH 1377)	FIELD TESTS
	Medium GRAVEL with minor medium sand; dark brown. Moist, loose, non plastic. Medium to coarse GRAVEL with minor medium sand; light brownish red. Moist, loose, non plastic. Gravel; fine to coarse, subrounded to subangular. (Alluvial Fan)	0.0			-	L						
	SILT with trace cobbles; light brownish white. Moist, soft, moderate plasticity. Cobbles; up to 120mm, subrounded. (Alluvial Fan)	1.0 -1.0	2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	1 -	М	S			-			
osits	GRAVEL with minor fine to coarse sand; light gray. Moist, loose, non plastic. Gravel; fine to medium, subangular. (Alluvial Fan) Fine to coarse sandy GRAVEL; light grayish brown. Moist, loose, non plastic. Gravel; fine to medium, subangular.	-1.5 -1.6 2.0		2 _		L						
Quarternary Deposits	(Alluvial Fan) SILT with minor cobbles; light brownish white. Moist, soft, moderate plasticity. Cobbles; up to 120mm, subrounded. (Alluvial Fan) CLAY silt with minor fine sand; dark green gray. Moist, firm, high plasticity. (Alluvial Fan)	-2.0 2.2 -2.2			-	ω F		Om 01/01/2024	1/01/2024			
	GRAVEL with minor medium sand; dark gray. Wet, hard, low plasticity. Gravel; fine to coarse, subangular. (Alluvial Fan)	2.9 -2.9		3 -	-	Н		3	3.44mm, C			
	SILT with minor fine sand; dark greenish gray. Wet, soft, moderate plasticity. (Alluvial Fan) COBBLE with minor clay; Wet, stiff, moderate plasticity.	3.5 -3.5 3.8 -3.8			w	S						
	Cobbles; up to 150mm, subrounded. (Alluvial Fan)	4.5 EOU		4 -	-	St						
		EOH	: 4.50 m									

NOTES: Logged by Matakanui staff, digitised by EGL staff. Refusal at 4.5m.

Groundwater at 3.0m.

LOGGED: FS

CHECKED: PC



Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

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TEST PIT LOG

TESTPIT No.:

SHEET 1 OF 1

MTP26

Job No.: 9702.0

DATE: 28/08/2024 TESTPIT DEPTH: 3.5m

COORDINATES: East 1316056.0 North 5018915.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT (%) SEFPAGE WATER LEYEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Organic SILT with some clay; dark brown. Moist, stiff, moderate plasticity.	0.0	≗″TS :		М	St	700		
Quarternary Deposits	Fine sandy CLAY with minor organic silt and boulders; light whitish yellow. Dry, very stiff, low plasticity. Boulders; up to 300mm, subrounded to subangular. (Holocene Landslide Deposits) GRAVEL with minor clay; light whitish brown. Dry, hard, low plasticity. Gravel; coarse, subangular. (Undifferentiated Quaternary landslide deposits)	2.0 -2.0	3.50 m	1 - · · · · · · · · · · · · · · · · · ·	D	VSt			

NOTES: Logged by Matakanui staff, digitised by EGL staff. Refusal at 3.5m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC



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TEST PIT LOG

TESTPIT No.: MTP27

SHEET 1 OF 1

Job No.: 9702.0

BOGP Test Pits DATE: TESTPIT DEPTH: 3.0m

LOCATION: Bendigo Ophir Stations

RL GROUND: DATUM: NZVD2016 08/10/2024

COORDINATES: East 1319109.0 North 5017662.0

GRID: NZTM 2000

UP	ATUM: NZVD2016				GRID	<u> </u>		NZIW	2000	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	SEEPAGE/VE1/2024	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	TOPSOIL; minor fine sand, light brown. Very soft, moist, low plasticity.	0.0	20° 30° ⊵ TS : 20° ±9		М	vs				
	Medium sandy GRAVEL; Light yellow grey. Dry, soft, low plasticity. Gravel; fine to coarse, subangular, loose. (Alluvial Fan)	-0.2 0.4								
	Fine sandy SILT with minor clay; Light yellow grey. Dry, firm, moderately plasticity. (Alluvial Fan)	-0.4								
Quarternary Deposits	Fine sandy SILT with minor clay. light yellow grey. Dry, firm, weakly plastic. (Alluvial Fan)	-1.0		1 _		L				
ng				2 _	D					
	COBBLE with minor clay; Dry, stiff, moderate plasticity. Cobbles; up to 180mm, angular, platy.	2.5 -2.5								
TZ3		3.0 EOH				St				
		EOH	: 3.00 m							

NOTES: Logged by Matakanui staff, digitised by EGL staff. Refusal at 3.0m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC



Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

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TEST PIT LOG

TESTPIT No.:

9702.0

SHEET 1 OF 1

Job No.:

MTP28

DATE: 08/10/2024 TESTPIT DEPTH: 1.8m

COORDINATES: East 1319221.0 North 5017654.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%) SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	fine sandy organic SILT; dark brown. Moist, soft, low plasticity. Fine to coarse sandy GRAVEL; dark brownish grey. Moist,	0.0 0.3 -0.3 0.4	20 20 30 20 20 20 20 20 20 20 20 20 20 20 20 20		-					
Quarternary Deposits	loose, non plastic. Gravel; coarse, subangular. (Alluvial Fan) Fine SAND with minor organic silt; dark grayish black. Moist, loose, non plastic. (Alluvial Fan) Gravelly coarse SAND with minor organic silt; grayish black. Wet, loose, non plastic. Gravel; fine to medium, subangular. (Alluvial Fan) Silty fine SAND with minor organic silt; greenish gray. Moist, loose, non plastic. (Alluvial Fan)	-0.4 0.5 -0.5 0.8 -0.8	2 × 2 × 3 × 3 × 3 × 3 × 3 × 3 × 3 × 3 ×	1 _	M	L		024		
	Clayey SILT with minor fine sand; blackish gray. Moist, soft, moderate plasticity. (Alluvial Fan)	-1.3 1.8			-	S		1.80m, 01/01/2024		

EGL - Hand Auger - Test Pit v8 - 2/12/2024 12:34:41 pm - Produced with Core-GS by Geroc

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 2.0m. Groundwater at 1.8m. LOGGED: FS

CHECKED: PC



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TEST PIT LOG

TESTPIT No.:

MTP29

SHEET 1 OF 1

CORRECTED VANE

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

NZVD2016

RL GROUND:

DATUM:

DATE: 08/10/2024 TESTPIT DEPTH: 3.0m

COORDINATES: East 1318550.0 North 5017889.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTEN	(%) SEEPAGE / WATER LEVEL	SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Fine sandy organic SILT; dark brown. Moist, soft, low plasticity.	0.0 0.1 -0.1	. TS ∴							
	Coarse sandy GRAVEL; dark brown. Moist, loose, non plastic. Gravel; fine to coarse, aubangular. (Alluvial Fan)	0.4				L				
	Fine sandy organic SILT; dark brown. Moist, soft, low plasticity. (Paleosol)	-0.4	<u>3.6 3.6</u> ⊵ TS :	•						
Quarternary Deposits	Silty fine SAND; dark yellow. Moist, firm, moderate plasticity. (Alluvial Fan)	-0.6	* * *	. 1 _	М	F				
Quartern	Clayey SILT with minor fine sand; dark greenish. Moist, firm, moderate plasticity. (Alluvial Fan)	-1.2 1.5								
	Clayey COBBLES with minor gravel; dark gray. Wet, hard, low plasticity. Gravel; medium to coarse, subangular to angular. Cobbles up to 150mm, subangular. (Alluvial Fan)	-1.5 2.1	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2 _	w	Н				
TZ3	Silty Boulders; Dark gray. Saturated, dense, non plastic. Boulders; angular to subangular, up to 250mm.	-2.1		-	S	D		2.80m, 01/01/2024		
		3.0 EOH	: 3.00 m					7		

NOTES: Logged by Matakanui staff, digitised by EGL staff. Refusal at 2.8m.

Groundwater at 2.8m.

LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:18 am - Produced with Core-GS by Geroc



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TEST PIT LOG

TESTPIT No.: MTP30

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

RL GROUND:

DATUM: NZVD2016 DATE: 08/10/2024

TESTPIT DEPTH: 4.0m

COORDINATES: East 1318491.0 North 5017956.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%) SEEPAGE /	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Fine to corase sandy organic SILT; dark brown. Moist, soft, low plasticity.	0.0	ΔΛ΄ ΔΛ΄ Σ TS :: ΔΛ΄ ΤΩ		D	S				
	GRAVEL with minor fine sand; brown. Moist, loose, non plastic. Gravel; medium to coarse, subangular to angular. (Alluvial Fan)	-0.2 0.5				L				
	Silty CLAY with minor gravel; dark brown. Moist, firm, moderate plasticity. Gravel; fine, subangular. (Alluvial Fan)	-0.5	× × ×							
			× × ×	1 _	-	F				
		1.4	× × ×		M					
	Gravelly SILT; dark bluish gray. Moist, soft, low plasticity. Gravel; medium to coarse, subangular to angular. (Alluvial Fan) Gravelly COBBLES; light orange brown. Moist, loose, low	-1.4 1.6 -1.6	\$7,02 Bd(\			S				
Quarternary Deposits	plasticity. Gravels; medium to coarse, subangular to angular. Cobbles; up to 150mm, subangular. (Alluvial Fan)	2.0			-					
Quarterna	Cobbely BOULDERS with minor gravel; dark grayish green. Wet, loose, low plasticity. Gravel; medium to coarse, subangular to angular. Cobbles; subangular. Boulders up to 250mm, subangular to angular. (Alluvial Fan)	-2.0		2 _	-					
					- - - w	L		4.		
				3 _	-			3.50m, 01/01/2024		
	Silty BOULDERS; Dark gray. Saturated, dense, non plastic.	3.7						\triangleleft		
173	Boulders; angular to subangular, up to 250mm.	4.0			s	D				
	_		: 4.00 m	1					1	'

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 3.5m Groundwater at 3.5m. LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:18 am - Produced with Core-GS by Geroc



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TEST PIT LOG

TESTPIT No.:

MTP31

SHEET 1 OF 1 Job No.: 9702.0

BOGP Test Pits

LOCATION: Bendigo Ophir Stations

RL GROUND:

DATUM: NZVD2016 DATE: 08/10/2024

TESTPIT DEPTH: 2.5m

COORDINATES: East 1318383.0 North 5017970.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%) SEEPAGE / WATER I EVE	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Gravelly organic SILT with minor clay; dark brown. Moist, firm, low plasticity. Gravels; medium to coarse, subangular.	0.0	% 36 % 12 ₹ 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	-		F				
	Silty fine SAND with minor clay; light creamy yellow. Moist, soft, low plasticity. (Alluvial Fan) Silty CLAY; light bluish yellow. Moist, stiff, moderate plasticity.	-0.3 0.5 -0.5	* X X X X X X X X X X X X X X X X X X X			S				
, Deposits	(Alluvial Fan)		× × ×		M	St				
Quarternary Deposits	Silty CLAY with minor gravel; light bluish gray. Moist, firm, moderate plasticity. Gravel; fine to medium, subangular. (Alluvial Fan)	1.0 -1.0	× × × × ×	1 _		F				
	Silty organic CLAY; dark brownish grey. Moist, soft, low plasticity. ((Alluvial Fan) Gravelly COBBLES; dark grayish brown. Wet, loose, non plastic. Gravels: medium to coarse, subangular to angular.	-1.2 1.3 -1.3			w	VS L				
	Cobbles; up to 150mm, subangular to angular. (Alluvial Fan)							2024		
				2 _				2.30m, 01/01/2024		
TZ3	Bouldery CLAY; dark grayish green. Saturated, hard, low plasticity. Boulders up to 250mm, angular.	-2.2			s	Н		. ∠		
\vdash	1	EOH	2.50 m							

EGL - Hand Auger - Test Pit v8 - 2/12/2024 12:32:46 pm - Produced with Core-GS by Geroc

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 2.3m. Groundwater at 2.3m. LOGGED: FS

CHECKED: PC



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TEST PIT LOG

TESTPIT No.: MTP32

SHEET 1 OF 1

Job No.: 9702.0

PROJECT: **BOGP Test Pits LOCATION:** Bendigo Ophir Stations

RL GROUND:

DATE: 08/10/2024 TESTPIT DEPTH: 1.0m

COORDINATES: East 1318478.0 North 5017971.0

DA	TUM: NZVD2016				GRID	:	N	ZTM 2	2000	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	WATER CONTENT (%)	SEEPAGE/VE1/2024	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Medium sandy TOPSOIL; dark brown. Moist, loose, non plastic.	0.0	ΔΛ΄ ΔΛ΄ Σ TS : ΔΛ΄ ΤΩ			vs				
y Deposits	Fine to coarse GRAVEL; minor fine sand, light grayish blue. Moist, loose, low plasticity. (Alluvial Fan)	-0.2			M	L				
Quarternary	TOPSOIL; black. Moist, soft, moderate plasticity. (Paleosol)	-0.6	<u>30 30</u> 2 TS : <u>30 30</u> TS			vs				
	GRAVEL with minor fine sand; dark browish gray. Dry, loose, non plastic. (Alluvial Fan)	-0.9 1.0 EOH	: 1.00 m		D	L				

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:19 am - Produced with Core-GS by Geroc

NOTES: LOGGED: FS

> CHECKED: PC **EXCAVATOR:** 20T Excavator



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TEST PIT LOG

TESTPIT No.: MTP33

SHEET 1 OF 1

Job No.: 9702.0

DATE: 08/10/2024

GEOLOGICAL UNII	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%) SEEPAGE (WATER LEVEL 2024	●Fie	EAR	CTE STF (kPa ane (lided lided lided lided	REN) BS 1 Field	GTH 377 I Var	H	FIELD TESTS
Quarternally Deposits	GRAVEL with minor coarse sand; light gray. Dry, medium dense, non plastic. Gravel; fine to coarse, subangular. (Holocene Landslide Deposits) Sity COBBLES with minor gravel; light gray. Dry, loose, non plastic. Gravel; fine to coarse, subangular. Cobbles; up to 150mm, subanguler to angular. (Holocene Landslide Deposits)	0.0 0.2 -0.2 0.3 -0.3	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	2 -	D	L										
_	(Undifferentiated Quaternary landslide deposits)	EOH	: 5.00 m	I						:	: i		:	:	: 1	
OI	FES: Logged by Matakanui staff, digitised by EGL staff.						Loc	GGE): `	FS						
^ _ วา			: 5.00 m				LOC	GGE	D:	FS					- '	



Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

Engineering Geology Ltd

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TEST PIT LOG

TESTPIT No.: MTP34

SHEET 1 OF 1

Job No.: 9702.0

DATE: 08/10/2024 TESTPIT DEPTH: 3.0m

COORDINATES: East 1319901.0 North 5016998.0

GRID: NZTM 2000

100	TUM: NZVDZU16				GRID		NZ I W Z	2000	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT (%) SEEPAGE//2024	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Organic SILT; dark brown. Moist, soft, low plasticity.	0.0	≗TS :: - 24 TS		М				
	GRAVEL with minor fine sand; light brown. Dry, loose, low plasticity. Gravel; fine to coarse, subangular. (Holocene Landslide Deposits)	-0.2							
Quarternary Deposits	GRAVEL; dark brownish cream. Dry, loose, low plasticity. Gravel; coarse, subangular to angular. (Holocene Landslide Deposits)	1.2		1 _		L			
Quarte	Fine sandy TOPSOIL, dark brown,. Dry, soft, low plasticity. (Paleosol)	-1.2	34 35 15 34 35 15 34 34 35 35 35 35 35 35 35 35 35 35 35 35 35		D D				
TZ3	Bouldery CLAY; dark gray. Dry, hard, moderate plasticity.	-2.0				Н			
		3.0 EOH	3.00 m						

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:20 am - Produced with Core-GS by Geroc

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 3.0m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC



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TEST PIT LOG

TESTPIT No.: MTP36

SHEET 1 OF 2

Job No.: 9702.0

PROJECT: **BOGP Test Pits** DATE: 08/10/2024 LOCATION: Bendigo Ophir Stations TESTPIT DEPTH: 5.0m

	GROUND: TUM: NZVD2016		ATUM: NZVD2016 COORDIN													COORDINATES: East 1319779.0 North 5017103.0 GRID: NZTM 2000 CORRECTED VANE SHEAR STRENGTH (kPa) PER CONSTRUCTION OF THE CON											
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG		MOISTURE	CONSISTENCY / DENSITY	SAMPLES	WATER CONTENT (%)	SEEPAGE/ WATER CEVEL/01/20	CO SH Fid ORe	IEA	ulde	TRE Pa) e (BS	NG 3 13	TH 77) /ane		FIELD TESTS										
2	Organic SILT; dark bownish brown. Moist, soft, low plasticity.	0.0	20 30 2 TS 30		М				\Diamond		-				-	1											
	Clayey SILT with minor gravel; dark brown. Dry, soft. moderate plasticity. Gravel; medium, subangular. (Holocene Landslide Deposits)	0.2		- - 1 _ -	. D	S																					
Quarternary Deposits	Bouldery fine sandy CLAY; light brownish gray. Moist, firm, low plasticity. (Alluvial Fan)	1.8				F																					
123	Boulders with some clay; light creamy gray. Moist, dense, low plasticity	3.1 -3.1		3	M	D																					
NOT Refu	IES: Logged by Matakanui staff, digitised by EGL staff. Jeal at 4.4m.	4.4		-			LC	ogg	ED:	FS																	



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TEST PIT LOG

TESTPIT No.: MTP37

SHEET 1 OF 2

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

RL GROUND:

DATE: 08/10/2024 TESTPIT DEPTH: 5.0m

COORDINATES: East 1318345.0 North 5018273.0

	GROUND: TUM: NZVD2016				COO		ATE	East 1 IZTM 2	318345.0 North 5018273.0 2000	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG				SAMPLES	 SEEPAGE / WATER LEVEL		FIELD TESTS
2	Organic SILT; light brownish brown. Moist, soft, low plasticity.	0.0	20 30 20 30 20 30 20 30		М	S				
	Clayey Silt with minor gravel; light brown. Dry, firm, low plasticity. Gravels; fine to medium, subrounded to subangular. (Holocene Landslide Deposits)	-0.3	X X X X X X X X X X X X X X X X X X X	1 -	D					
همد دوست کا حاصت	Silty CLAY with minor gravel; light brown. Moist, firm, low	1.5 -1.5	× × × × × × × × × × × × × × × × × × ×		-	F				
	plasticity. Gravels; fine to medium, subrounded to subangular. (Holocene Landslide Deposits) BOULDERS with minor clay: light creamy gray. Moist, very stiff.	1.9			- -					
	BOULDERS with minor clay; light creamy gray. Moist, very stiff, low plasticity. Boulders; up to 250mm, angular, bladed. (Undifferentiated Quaternary landslide deposits)	2.6		2 -	M			2.70m, 01/01/2024		
3	BOULDERS with minor clay; light creamy gray. Wet, hard, low plasticity. Boulders; up to 250mm, angular, bladed.	-2.7 2.8		3 _	W	Н		\Diamond		
					-					
					- -					
				4 -						
	TES: Logged by Matakanui staff, digitised by EGL staff.						 	ED:		

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:22 am - Produced with Core-GS by Geroc

NOTES: Logo Refusal at 2.8m. Logged by Matakanui staff, digitised by EGL staff.

Groundwater at 2.7m.

LOGGED: FS

CHECKED: PC



Bendigo Ophir Stations

LOCATION:

DATUM:

GEOLOGICAL UNIT

RL GROUND:

Engineering Geology Ltd

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TEST PIT LOG

TESTPIT No.: MTP37

SHEET 2 OF 2

Job No.: 9702.0

DATE: 08/10/2024 TESTPIT DEPTH: 5.0m

COORDINATES: East 1318345.0 North 5018273.0

GRID: NZTM 2000

MOISTURE
CONDITION
CONSISTENCY /
DENSITY
SAMPLES (%) SEEPAGE / WATER LEVEL **GRAPHIC LOG** DEPTH / RL SOIL MATERIAL DESCRIPTION DEPTH (m)

CORRECTED VANE SHEAR STRENGTH (kPa)

Field Vane (BS 1377) ORemoulded Field Vane

50 100 FIELD TESTS

EOH: 5.00 m

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:22 am - Produced with Core-GS by Geroc

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 2.8m. Groundwater at 2.7m. LOGGED: FS

CHECKED: PC



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TEST PIT LOG

TESTPIT No.: MTP38

SHEET 1 OF 1

Job No.: 9702.0

BOGP Test Pits DATE: 08/10/2024 Bendigo Ophir Stations TESTPIT DEPTH: 3.0m

LOCATION: RL GROUND:

DATUM:

COORDINATES: East 1319594.0 North 5017241.0

GRID: NZTM 2000

	TIONI. NZVDZUTU				GKID		INZIIVI	2000	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DEРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT (%) SEEDAGE/VEL/2024	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
ST	Organic SILT; dark brownish brown, weakly plastic	0.0 0.7 -0.7	20 30 15 15 15 15 15 15 15 15 15 15 15 15 15						
Quarternary Deposits	Gravelly CLAY with minor silt; light brownish gray. Moist, soft, moderate plasticity. Gravel; fine to coarse, subangular to angular. (Holocene Landslide Deposits)	-0.7		1 -	M	Ø			
	Coarse sandy SILT with minor clay; light brown. Wet, firm, moderate plasticity. (Holocene Landslide Deposits)	2.0 -2.0		2 _	w	F			
TZ3	BOULDERS with minor clay; light gray. Saturated, hard, low plasticity. Boulders; up to 250mm, angular, bladed.	3.0 EOH	3.00 m		S	Н			

Logged by Matakanui staff, digitised by EGL staff.

NOTES: Refusal at 3.0m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC

EXCAVATOR: 20T Excavator

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:23 am - Produced with Core-GS by Geroc



NZVD2016

Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

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TEST PIT LOG

TESTPIT No.: MTP39

SHEET 1 OF 1

Job No.: 9702.0

DATE: 08/10/2024 TESTPIT DEPTH: 2.4m

COORDINATES: East 1319409.0 North 5017431.0

GRID: NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%) SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
TS	Organic SILT; dark brownish black. Moist, soft, low plasticity.	0.0	2 TS :		-	S				
Quarternary Deposits	Silty CLAY with minor gravel; light gray. Moist, soft, low plasticity. Gravels; fine to medium, subrounded to subangular. (Holocene Landslide Deposits) Silty CLAY with minor gravel trace boulders; light gray. Moist, soft, low plasticity. Gravels; fine to medium, subrounded to subangular. Boulders; up to 300mm, subangular to angular. (Holocene Landslide Deposits)	1.0 -1.0	X X X X X X X X X X X X X X X X X X X	1 -	М	L		2.50m, 01/01/2024		
TZ3	Coarse sandy Boulders; dark gray. Saturated, dense, low plasticity.	2.4			W	D		2.50m		
		EOH	: 2.40 m					\triangleleft		

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:23 am - Produced with Core-GS by Geroc

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Refusal at 2.4m. Groundwater at 2.3m. LOGGED: FS

CHECKED: PC



Head of the second of the

TEST PIT LOG

TESTPIT No.: MTP40

SHEET 1 OF 2

Job No.: 9702.0

PROJECT: **BOGP Test Pits** DATE: 08/10/2024 LOCATION: Bendigo Ophir Stations TESTPIT DEPTH: 7.0m

SOIL MATERIAL DESCRIPTION SOIL MATERIAL DESCRIPTION LET BY SOIL MATERIAL			5019447.0	orth	9.0 N	31550				COOF				_ GROUND:	1
Capy GRAVEL with more stip about Most, and, tow plasticly Gravel; medium, subrounded to subangular. Fine to coarse sandy GRAVEL light brown. Dry, medium dense, non plastic. Gravel; fine to medium, subrangular. (Till) Cabby GRAVEL with more coarse sand; light with brown. Dry, dense, non plastic. Gravel; fine to coarse, subrounded to subangular. Cobbles: up to 150mm, subangular. (Till) Medium to coarse sandy COBBLES with minor gravel; light town. Dry, dense, non plastic. Gravel; fine to coarse, subrounded to subangular. Cobbles: up to 150mm, subangular. (Till) Medium to coarse sandy COBBLES with minor gravel; light town. Dry, dense, non plastic. Gravel; the to coarse, subrounded to subangular. Cobbles; up to 150mm, subangular. (Till) Fine to coarse sandy COBBLES with minor gravel; light town. Dry, dense, non plastic. Gravel; the to coarse, subrounded to subangular. Cobbles; up to 150mm, subangular. (Till) Fine to coarse sandy COBBLES with minor gravel; light town. Dry, dense, non plastic. Gravel; the to coarse, subrounded to subangular. Cobbles; up to 150mm, subangular. (Till) Fine to coarse sandy COBBLES with minor gravel; light town. Dry, dense, non plastic. Gravel; the to coarse, subrounded to subangular. Cobbles; up to 150mm, subangular. (Till) Fine to coarse sandy COBBLES with minor gravel; light town. Dry, dense, non plastic. Gravel; the to coarse, subrounded to subangular. To coarse sandy COBBLES with minor gravel; light town. Dry, dense, non plastic. Gravel; the town. Dry, dense, non						2000			-					ATUM: NZVD2016	DA
Calpey GRAVE: with more steps and ight with prove dense, non plastic Gravet; fine to coarse sandy CRAVEL light trown. Dry, medium dense, non plastic Gravet; fine to medium, subangular. Fine to coarse sandy GRAVEL light trown. Dry, medium dense, non plastic Gravet; fine to medium, subangular. Gabbi GRAVEL, with more occase and light with prove. Dry, dense, non plastic Gravet; fine to coarse, subrounded to subangular. Cobbles, up to 150mm, subangular. Mine	rs	FIELD TESTS	SS 1377)	STRI kPa) ne (B ded F	EAR () eld Va mould	SH ●Fie ○Re	SEFER (25/36)	WATER CONTENT (%)	DENSITY	MOISTURE	DEPTH (m)	GRAPHIC LOG	DEPTH / RL	SOIL MATERIAL DESCRIPTION	GEOLOGICAL UNIT
Casey GRAVEL with more sill light brown. Most, soft, low plasticity Gravet medium, subrounded to subangular. Fine to coanse sandy GRAVEL light brown. Dry, medium dense, non plastic. Gravet, fine to medium, subangular. Tail Casey GRAVEL, with minor cases asnot light whity brown. Dry, dense, non plastic. Gravet, fine to medium, subangular. Casey GRAVEL, with minor cases asnot light whity brown. Dry, dense, non plastic. Gravet, fine to coanse sandy to the coanse, subangular. Cobbies: up to 150mm, subangular. Tail Medium to coanse sandy COBBLES with minor gravet light brown. Dry, dense, non plastic. Gravet, fine to coanse. Tail						-	\$				_	<u>∆</u> 2 ∆ <u>2</u> 2 T ≥		Organic SILT; dark brown. Moist, soft, low plasticity.	2
Fine to coarse sandy GRAVEL light from. Dry, medium dense, non plastic. Gravel; fine to medium, subangular. Cabbiy GRAVEL with minor coarse sand; light whily brown. Dry, dense, non plastic. Gravel; fine to coarse, subrounded to subangular. Cobbles: up to 150mm, subangular. (III) Medium to coarse sandy COBBLES with minor gravel; light subangular. (III) Medium to coarse sandy COBBLES with minor gravel; light subangular. (III) Medium to coarse sandy COBBLES with minor gravel; light subangular. (III) A D D D D D D D D D D D D D D D D D D									S	М	-		-0.2	plasticity.Gravel; medium, subrounded to subangular.	
Medium to coarse sandy COBBLES with minor gravel; right brown. Dry. dense, non plastic. Gravel; fine to coarse, subrounded to subangular. Cobbles: up to 150mm, subangular. (Till) Medium to coarse sandy COBBLES with minor gravel; right brown. Dry. dense, non plastic. Gravel; fine to coarse, subrounded to subangular. Cobbles: up to 150mm, subangular. (Till) O									MD		1 _		-1.0	dense, non plastic. Gravel; fine to medium, subangular. (Till)	
Subrounded to subangular. Cobbles; up to 150mm, subangular. (Till) (D		-		3.0	subangular. Cobbles; up to 150mm, subangular. (Till)	
7.0 P.O. S.			+ + + + -						F	D	- - 5 _ -	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			Quarternary Deposits

NOTES: Logged by Matakanui staff, digitised by EGL staff. Target depth at 7.0m.
Groundwater not encountered.

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:23 am - Produced with Core-GS by Geroc

CHECKED: PC



NZVD2016

Bendigo Ophir Stations

LOCATION:

DATUM:

GEOLOGICAL UNIT

RL GROUND:

Engineering Geology Ltd

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TEST PIT LOG

TESTPIT No.:

9702.0

SHEET 2 OF 2

MTP40

DATE: 08/10/2024

TESTPIT DEPTH: 7.0m

COORDINATES: East 1315509.0 North 5019447.0

GRID: NZTM 2000

MOISTURE
CONDITION
CONSISTENCY /
DENSITY
SAMPLES (%) SEEPAGE / WATER LEVEL **GRAPHIC LOG** DEPTH / RL SOIL MATERIAL DESCRIPTION DEPTH (m)

CORRECTED VANE SHEAR STRENGTH (kPa)

Job No.:

Field Vane (BS 1377) ORemoulded Field Vane

50 100 FIELD TESTS

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:24 am - Produced with Core-GS by Geroc

Logged by Matakanui staff, digitised by EGL staff. NOTES:

Target depth at 7.0m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC



Head of the second of the

TEST PIT LOG

TESTPIT No.: MTP41

SHEET 1 OF 2

Job No.: 9702.0

PROJECT: **BOGP Test Pits** DATE: LOCATION: Bendigo Ophir Stations TESTPIT DEPTH: 7.5m

08/10/2024

GEOLOGICAL UNII	SOIL MATERIAL DESCRIPTION		ID: NZVD2016													
<u></u>		DEPTH / RL	GRAPHIC LOG	DEРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES	VATER CONTENT %)	WATER TEVEL	SH ●Fi	ORRE HEAR ield Va emou 50	R ST (kPa ane alded	REN a) (BS	1377 Id Va	7) ane	FIELD TESTS
2	Organic SILT minor fine sand; dark brownish brown. Moist, soft,	0.0	ΔΛ ΔΛ Σ TS :		M	s	0)	> 0	0.00°		+	+	-	+	:	
_	low plasticity. Silty Gravel; light brown. Dry, loose, non plastic. Gravel; medium, subrounded to subangular. (Till)	0.2		1_	-	L										
-	Medium sandy GRAVEL with minor clay; light brown, Dry, hard, low plasticity. Gravel; medium, subrounded to subangular. (Till)	1.5 -1.5		2 _	-	н										
Quarternary Deposits	Medium sandy GRAVEL minor cobbles; light brown. Dry, medium dense, non plastic. Gravel; Coarse, subrounded to subangular. Cobbles; up to 180mm, subrounded to subangular. (Till)	3.5 -3.5		3 _	D		•									
				5 _	-	L										
10.	TES: Logged by Matakanui staff, digitised by EGL staff.	7.5		7 _	-			nee-	ED:	FS						



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TEST PIT LOG

TESTPIT No.: MTP41

SHEET 2 OF 2

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

RL GROUND:

GEOLOGICAL UNIT

DATUM: NZVD2016 DATE: 08/10/2024 TESTPIT DEPTH: 7.5m

COORDINATES: East 1315509.0 North 5019488.0

GRID: NZTM 2000

MOISTURE
CONDITION
CONSISTENCY /
DENSITY
SAMPLES (%) SEEPAGE / WATER LEVEL **GRAPHIC LOG** DEPTH / RL SOIL MATERIAL DESCRIPTION DEPTH (m)

CORRECTED VANE SHEAR STRENGTH (kPa)

Field Vane (BS 1377) ORemoulded Field Vane 100

50

FIELD TESTS

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:24 am - Produced with Core-GS by Geroc

Logged by Matakanui staff, digitised by EGL staff. NOTES:

Target depth at 7.5m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC



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TEST PIT LOG

TESTPIT No.: MTP42

SHEET 1 OF 2

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations DATE: 08/10/2024 TESTPIT DEPTH: 7.0m

	GROUND: TUM: NZVD2016					RDINA	EPTH: ATES:		315293.0 North 501989	91.0
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	SEEPAGE//2024 WATER LEVEL/2024	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Van 50 100 150	FIELD TESTS
ST.	Organic SILT with minor fine to medium sand; dark brown. Moist, soft, low plasticity.	0.0	20 30 ≥ TS :							
	Medium sandy SILT with minor gravel; dark brown. Moist, loose, non plastic. Gravel; fine to medium, subangular to angular. (Till)	-0.2			М	S				
	GRAVEL with minor medium sand; light brown. Dry, loose, non plastic. Gravel; fine to coarse, subrounded to subangular. (Till)	<u>1.0</u> -1.0		1 _		L				
	Fine to coarse sandy GRAVEL with minor clay; light brownish white. Dry, hard, low plasticity. Gravel; fine to medium, subangular to angular. (Till)	1.5 -1.5		2 _		н				
Quarternary Deposits	Medium sandy COBBLES with minor gravel; light brown. Dry, dense, non plastic. Gravel; Coarse, subrounded to subangular. Cobbles; up to 180mm, subrounded to subangular. (Till)	2.5		3 _	D					
				4 -		D				
	TTO. Laured by Mateleonid at # divide 11 501 1 #		, 0°0, 20°0,							
arg	TES: Logged by Matakanui staff, digitised by EGL staff. get depth at 7.0m. undwater not encountered.						ĺ	GED: CKED:	FS	EXCAVATOR: 20T Excavator



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TEST PIT LOG

TESTPIT No.: MTP42

SHEET 2 OF 2

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

RL GROUND:

DATUM: NZVD2016 DATE: 08/10/2024 TESTPIT DEPTH: 7.0m

COORDINATES: East 1315293.0 North 5019891.0

NZTM 2000

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%) SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
Quarternary Deposits	Medium sandy COBBLES with minor gravel; light brown. Dry, dense, non plastic. Gravel; Coarse, subrounded to subangular. Cobbles; up to 180mm, subrounded to subangular. (Till)			6 -	D	D				

7.0 로즈 유 EOH: 7.00 m

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:25 am - Produced with Core-GS by Geroc

NOTES: Logged by Matakanui staff, digitised by EGL staff. Target depth at 7.0m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC



- Head of the second of the

TEST PIT LOG

TESTPIT No.: MTP43

SHEET 1 OF 2

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations DATE: 08/10/2024 TESTPIT DEPTH: 6.0m

	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES	WATER CONTEN	SEEPAGE VE1/2024	CORRECTED VAN SHEAR STRENGT (kPa) Field Vane (BS 137 ORemoulded Field Vane) 50 100 150	FIELD TESTS ane
2	Organic SILT with minor fine sand; dark brown. Moist, soft, low plasticity.	0.0	ΔΛ ΔΛ Σ TS : ΔΔΑ ΤΩ		М	s					
	SILT with minor sand and gravel and trace clay; dark brown. Dry, firm, low plasticity. Gravel; fine to medium, subangular. (Till)	-0.2		1 -	D						
	Medium sandy GRAVEL with minor clay. brownish white. Moist,	1.5 -1.5	× × × × × × × × × × × × ×	-		-					
Quarternary Deposits	firm, low plasticity. Gravel; fine to coarse, subrounded. (Till)	3.5		2 -	M	F					
	Medium sandy GRAVEL with minor cobbles; Light yellowish brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounde (Till)d.	3.5		4 -	D	L					



Bendigo Ophir Stations

LOCATION:

RL GROUND:

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TEST PIT LOG

DATE:

TESTPIT No.:

9702.0

MTP43

SHEET 2 OF 2

Job No.: 08/10/2024

COORDINATES: East 1315234.0 North 5019984.0

TESTPIT DEPTH: 6.0m

D,	NTUM: NZVD2016				GRID	:		NZ	ZTM 2	2000	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%)	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
Quarternary Deposits	Medium sandy GRAVEL with minor cobbles; Light yellowish brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounde (Till)d.	6.0			D	L					

EOH: 6.00 m

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:25 am - Produced with Core-GS by Geroc

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Target depth at 6.0m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC



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TEST PIT LOG

TESTPIT No.: MTP44

SHEET 1 OF 2

Job No.: 9702.0

BOGP Test Pits DATE: 08/10/2024 Bendigo Ophir Stations TESTPIT DEPTH: 7.0m

LOCATION:

GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE	CONSISTENCY / DENSITY	SAMPLES	WATER CONTENT (%)	WATER LEVEL/200	CORRECTED VAN SHEAR STRENGT (kPa) Field Vane (BS 137 ORemoulded Field Vane 50 100 150	FIELD TESTS ane
SL	Organic SILT with minor fine sand; dark brown. Moist, soft, low plasticity. fine to coarse sandy GRAVEL; dark brown. Moist, loose, non plastic. Gravel; fine to medium, subrounded. (Till)	0.0	20 30 15 15 15 15 15 15 15 15 15 15 15 15 15			S					
				1 _	М	L					
Quarternary Deposits	GRAVEL with minor clay; light brownish white. Moist, stiff, low plasticity. Gravel, fine to medium, rounded to subrounded. (Till)	2.0		2 _		St					
Quar	Medium sandy GRAVEL with minor cobbles; light brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded. (Till)	3.0		3 _							
				4 _	D .	L					
	TES: Logged by Matakanui staff, digitised by EGL staff. get depth at 7.0m.	1	Š		<u> </u>		LC	GGE	 ≣D:	FS	_:



NZVD2016

Bendigo Ophir Stations

LOCATION:

DATUM:

RL GROUND:

Engineering Geology Ltd

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TEST PIT LOG

TESTPIT No.:

9702.0

MTP44

SHEET 2 OF 2

Job No.:

DATE: 08/10/2024

TESTPIT DEPTH: 7.0m

COORDINATES: East 1315206.0 North 5019965.0

NZTM 2000

10,	112 12 10				CIVID			71 2000	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT (%) SEEPAGE /	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
Quarternary Deposits	Medium sandy GRAVEL with minor cobbles; light brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded. (Till)			6 -	. D	L			

7.0 EOH: 7.00 m

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:26 am - Produced with Core-GS by Geroc

NOTES: Logged by Matakanui staff, digitised by EGL staff. Target depth at 7.0m.

Groundwater not encountered.

LOGGED: FS

CHECKED: PC



- Head of the second of the

TEST PIT LOG

TESTPIT No.: MTP45

SHEET 1 OF 2

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations

DATE: 08/10/2024 TESTPIT DEPTH: 6.0m

T	TUM: NZVD2016				GRID	_	þ		TM 2	COI	RRE					
	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTE	(%)	WATER LEVEL	●Fie ○Rei	ld Va mould	kPa) ne (E) 3S 13 Field	377) Vane	FIEL	D TESTS
:	Organic SILT with minor fine sand; dark brown. Moist, soft, low plasticity.	0.0	ΔΛ ΔΔ 2 TS :		М	s			7							
	Fine to coarse sandy GRAVEL; dark brown. Dry loose, non plastic. Gravel; fine to medium, subrounded. (Till)	0.2		1 -		L										
	Coarse sandy GRAVEL with minor clay; light brown. Dry, firm, low plasticity. Gravel; fine to medium, subrounded. (Till)	2.8 -2.8		3 _	D D				-							
	Medium to coarse sandy GRAVEL with minor cobbles; light	4.0		- 4 _		F										
	brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded. (Till)					L										
4	TES: Logged by Matakanui staff, digitised by EGL staff.	Ь—	٠. ٠				٦. ـ	GGE			. :		-	<u>. :</u>		



Bendigo Ophir Stations

LOCATION:

RL GROUND:

Engineering Geology Ltd

→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
www.egl.co.nz

TEST PIT LOG

TESTPIT No.:

MTP45

SHEET 2 OF 2

Job No.: 9702.0

DATE: 08/10/2024 TESTPIT DEPTH: 6.0m

COORDINATES: East 1315045.0 North 5020491.0

D	NZVD2016				GRID	:		NZTM :	2000	
GEOLOGICAL UNIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	(%) SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
Quarternary Deposits	Medium to coarse sandy GRAVEL with minor cobbles; light brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded. (Till)	6.0		-	D	L				

EOH: 6.00 m

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Target depth at 6.0m. Groundwater not encountered. LOGGED: FS

CHECKED: PC



- Head of the second of the

TEST PIT LOG

TESTPIT No.: MTP46

SHEET 1 OF 2

Job No.: 9702.0

PROJECT: **BOGP Test Pits** LOCATION: Bendigo Ophir Stations DATE: 08/10/2024 TESTRIT DERTH- 6 5m

TUM: NZVD2016				GRID					2000		
SOIL MATERIAL DESCRIPTION	DEPTH/RL	GRAPHIC LOG	DЕРТН (m)	MOISTURE		SAMPLES WATER CONTENT		_	CORRECTED VA SHEAR STRENG (kPa) Field Vane (BS 13) ORemoulded Field	377) Vane	FIELD TESTS
Organic SILT with minor fine sand; dark brown. Moist, soft, low plasticity.	0.0	<u>ων</u> Τς <u>ων</u>			s			-			
Silty GRAVEL with minor fine sand; dark brown. Moist, loose, low plasticity. Gravel; fine, subrounded. (Till)	0.2			М							
Fine to medium sandy GRAVEL; light brown. Dry, loose, non plastic. Gravel; fine, subrounded. (Till)	1.0		1 -	D D	. L			_			
Fine to coarse sandy GRAVEL with minor clay; light brown. Moist, firm, low plasticity. Gravels; fine to medium, subrounded to subangular. (Till)	1.8 -1.8 2.0 -2.0		2 _	М	F						
Fine to coarse sandy GRAVEL; light brown. Dry, loose, non plastic. Gravels; fine to coarse, subrounded. (Till)	2.5		-	-							
brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded. (Till)	-2.5		3 _					_			
			- 4 _	D	L						
			-								
ES: Logged by Matakanui staff, digitised by EGL staff.	I	0 6 . "			<u> </u>	LOG	GGE	L D:	<u> i i i </u>	<u>: : </u>	
	Organic SILT with minor fine sand; dark brown. Moist, soft, low plasticity. Silty GRAVEL with minor fine sand; dark brown. Moist, loose, low plasticity. Gravel; fine, subrounded. (Till) Fine to medium sandy GRAVEL; light brown. Dry, loose, non plastic. Gravel; fine, subrounded. (Till) Fine to coarse sandy GRAVEL; light brown. Dry, loose, non plastic. Gravels; fine to medium, subrounded to subangular. (Till) Fine to coarse sandy GRAVEL; light brown. Dry, loose, non plastic. Gravels; fine to coarse, subrounded. (Till) Medium to coarse sandy GRAVEL with minor cobbles, light brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded. (Till)	Organic SILT with minor fine sand; dark brown. Moist, soft, low plasticity. Silty GRAVEL with minor fine sand; dark brown. Moist, loose, low plasticity. Gravel; fine, subrounded. (Till) Fine to medium sandy GRAVEL; light brown. Dry, loose, non plastic. Gravel; fine, subrounded. (Till) Fine to coarse sandy GRAVEL with minor clay; light brown. Moist, firm, low plasticity. Gravels; fine to medium, subrounded to subangular. (Till) Fine to coarse sandy GRAVEL; light brown. Dry, loose, non plastic. Gravels; fine to coarse, subrounded. (Till) Medium to coarse sandy GRAVEL with minor cobbles; light brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded. (Till) ES: Logged by Matakanui staff, digitised by EGL staff.	Organic SiLT with minor fine sand; dark brown. Moist, soft, low plasticity. Silty GRAVEL with minor fine sand; dark brown. Moist, loose, low plasticity. Gravel; fine, subrounded. Fine to medium sandy GRAVEL, light brown. Dry, loose, non plastic. Gravel; fine, subrounded. (Till) Fine to coarse sandy GRAVEL with minor clay, light brown. Moist, firm, low plasticity. Gravels; fine to medium, subrounded to subangular. (Till) Fine to coarse sandy GRAVEL, light brown. Dry, loose, non plastic. Gravels; fine to coarse, subrounded. (Till) Medium to coarse sandy GRAVEL with minor cobbles; light brown. Dry loose, non plastic. Gravels; fine to coarse, subrounded. (Till) Medium to coarse sandy GRAVEL with minor cobbles; light brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded.	Organic SiLT with minor fine sand; dark brown. Moist, soft, low plasticity. Sitly GRAVEL with minor fine sand; dark brown. Moist, loose, low plasticity. Gravel; fine, subrounded. Fine to coarse sandy GRAVEL with minor clay; light brown. Dry, loose, non plastic. Gravel; fine, subrounded. (Till) Fine to coarse sandy GRAVEL with minor clay; light brown. Moist, firm, low plasticity. Gravels; fine to medium, subrounded to subangular. (Till) Medium to coarse sandy GRAVEL with minor cobbles; light brown. Dry loose, non plastic. Gravels; fine to coarse, subrounded. (Till) Medium to coarse sandy GRAVEL with minor cobbles; light brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded. 2.5 3.1 4.2 2.7 2.8 2.9 2.9 2.9 2.9 2.9 2.9 2.9	Organic SILT with minor fine sand; dark brown. Moist, soft, low plasticity. Gravel; fine, subrounded. Silty GRAVEL with minor fine sand; dark brown. Moist, loose, low plasticity. Gravel; fine, subrounded. Fine to medium sandy GRAVEL; light brown. Dry, loose, non plastic. Gravel; fine, subrounded. Fine to coarse sandy GRAVEL with minor clay; light brown. Moist, firm, low plasticity. Gravels; fine to medium, subrounded to subangular. (Till) Fine to coarse sandy GRAVEL; light brown. Dry, loose, non plastic. Gravels; fine to coarse, subrounded. Medium to coarse sandy GRAVEL with minor cobbles; light brown. Dry loose, non plastic. Gravel; Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded. 3 -	Organic SILT with minor fine sand; dark brown. Moist, soft, low plasticity. Sity GRAVEL with minor fine sand; dark brown. Moist, loose, low plasticity. Gravel; fine, subrounded. (Till) Fine to medium sandy GRAVEL: light brown. Dry, loose, non plastic. Gravel; fine, subrounded. (Till) Fine to coarse sandy GRAVEL with minor clay; light brown. Moist, firm, low plasticity. Gravels; fine to medium, subrounded to subangular. (Till) Madium to coarse sandy GRAVEL with minor cobbles: light brown. Dry loose, non plastic. Gravels; fine to coarse, subrounded. (Till) Medium to coarse sandy GRAVEL with minor cobbles: light brown. Dry loose, non plastic. Gravels; fine to medium, subrounded to subrounded. Cobbles; up to 150mm, subrounded. (Till) ES: Logged by Matakanui staff, digitised by EGL staff.	Organic SILT with minor fine sand; dark brown. Moist, soft, low plasticity. Silty GRAVEL with minor fine sand; dark brown. Moist, loose, low plasticity. Gravel; fine, subrounded. (Till) Fine to coarse sandy GRAVEL: light brown. Dry, loose, non plastic. Gravel; fine, subrounded. (Till) Fine to coarse sandy GRAVEL with minor clay: light brown. Moist, firm, low plasticity. Gravels; fine to medium, subrounded to subangular. (Till) Medium to coarse sandy GRAVEL; light brown. Dry, loose, non plastic. Gravel; fine to coarse, subrounded. (Till) Medium to coarse sandy GRAVEL with minor cobbles: light brown. Dry loose, non plastic. Gravel; fine to medium, subrounded to subangular. (Till) Medium to coarse sandy GRAVEL with minor cobbles: light brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded. (Till) ES: Logged by Matakanui staff, digitised by ECL staff.	Organic SILT with minor fine sand; dark brown. Moist, soft, low plasticity. SILY GRAVEL with minor fine sand; dark brown. Moist, loose, low plasticity. Gravel; fine, subrounded. SILY GRAVEL with minor fine sand; dark brown. Moist, loose, low plasticity. Gravel; fine, subrounded. Fine to medium sandy GRAVEL; light brown. Dry, loose, non plastic. Gravel; fine, subrounded. Fine to coarse sandy GRAVEL with minor clay; light brown. Moist, firm, low plasticity. Gravels; fine to medium, subrounded to subengular. (III) Fine to coarse sandy GRAVEL; light brown. Dry, loose, non plastic. Gravels; fine to coarse, subrounded. Medium to coarse sandy GRAVEL; light brown. Dry, loose, non plastic. Gravels; fine to coarse, subrounded. Medium to coarse sandy GRAVEL; with minor cobplex; light brown. Dry, loose, non plastic. Gravels; fine to coarse, subrounded. S M F 28 29 4	Organic SILT with minor fine sand; dark brown. Moist, soft, low plasticity. Silty GRAVEL with minor fine sand; dark brown. Moist, loose, low plasticity. Gravel; fine, subrounded. Fine to medium sandy GRAVEL; light brown. Dry, loose, non plastic. Gravel; fine, subrounded. Fine to coarse sandy GRAVEL with minor clay; light brown. Moist, firm, low plasticity. Gravels; fine to medium, subrounded to subangular. Fine to coarse sandy GRAVEL with minor clay; light brown. Moist, firm, low plasticity. Gravels; fine to medium, subrounded to subangular. Fine to coarse sandy GRAVEL light brown. Dry, loose, non plastic. Gravel; Gravels; fine to coarse, subrounded. (Till) D L ES: Logged by Malakanui staff, digitised by EGL staff.	Organic SIT. with minor fine sand; dark brown. Moist, soft, low plasticity. Sity GRAVEL with minor fine sand; dark brown. Moist, loose, loop plasticity. Gravel; fine, subrounded. Fine to medium sandy GRAVEL: light brown. Dry, loose, non plastic. Gravel; fine, subrounded. Fine to coarse sandy GRAVEL with minor citary light brown. to elect forever plasticity. Gravels, fine to coarse, subrounded. Fine to coarse sandy GRAVEL with minor citary light brown. To elect forever plasticity. Gravels, fine to coarse, subrounded. Fine to coarse sandy GRAVEL with minor cobbles, light subrounded. Fine to coarse sandy GRAVEL with minor cobbles, light subrounded. Till) Medium to boose, non plastic Gravels, fine to coarse, subrounded. Till) Medium to boose, non plastic Gravels, fine to coarse, subrounded. Till) Significant coarse sandy GRAVEL with minor cobbles, light subrounded. Description of the coarse, subrounded. Till) Significant coarse sandy GRAVEL with minor cobbles, light subrounded. Description of the coarse, subrounded. Significant coarse sandy GRAVEL with minor cobbles, light subrounded. Description of the coarse, subrounded to subrounded. Cobbles, up to 150mm, subrounded.	Organic SLT with minor fine sand; dark brown. Moist, loss, planticity. Silly GRAVEL with minor fine sand; dark brown. Moist, losse, low plasticity. Gravel; fine, subrounded. Fine to medium sandy GRAVEL light brown. Dry, losse, non plastic. Gravel; fine, subrounded. Fine to coarse sandy GRAVEL with minor clay, light brown. Trill) Fine to coarse sandy GRAVEL with minor clay, light brown. Moist, firm, low plasticity. Gravels; fine to medium, subrounded to subangular. Fine to coarse sandy GRAVEL with minor clay, light brown. Dry, losse, non plastic. Gravels; fine to coarse, subrounded. Medium to zoarse, sandy GRAVEL with minor clabbes; light subrounded. Cubbles; up to 150mm, subrounded.



Bendigo Ophir Stations

LOCATION:

RL GROUND:

Engineering Geology Ltd

→ 1464 9 486 2546
info@egl.co.nz
Unit 7C, 331 Rosedale Road, Albany, Auckland PO Box 301054, Albany, Auckland 0752
www.egl.co.nz
www.egl.co.nz

TEST PIT LOG

TESTPIT No.:

9702.0

SHEET 2 OF 2

Job No.:

MTP46

DATE: 08/10/2024

TESTPIT DEPTH: 6.5m

COORDINATES: East 1315063.0 North 5020510.0

	ATUM: NZVD2016				GRID	:		NZTM 2	2000	
PEOLOGICAL LINIT	SOIL MATERIAL DESCRIPTION	DEPTH / RL	GRAPHIC LOG	рертн (m)	MOISTURE CONDITION	CONSISTENCY / DENSITY	SAMPLES WATER CONTENT	SEEPAGE / WATER LEVEL	CORRECTED VANE SHEAR STRENGTH (kPa) Field Vane (BS 1377) ORemoulded Field Vane 50 100 150	FIELD TESTS
Outpend Vacant	Medium to coarse sandy GRAVEL with minor cobbles; light brown. Dry loose, non plastic. Gravel; Coarse, rounded to subrounded. Cobbles; up to 150mm, subrounded. (Till)			6 _	D	L				

6.5 6.50 m

EGL - Hand Auger - Test Pit v8 - 1/11/2024 11:37:27 am - Produced with Core-GS by Geroc

NOTES: Logged by Matakanui staff, digitised by EGL staff.

Target depth at 6.5m.

Groundwater not encountered.

LOGGED:

CHECKED:



ROCK LOG

DRILLHOLE No.: MTP47

SHEET 1 OF 1

Job No.: 9702.0

HOLE STARTED:

ORIENTATION:

RL GROUND: PROJECT: **BOGP Test Pits** HOLE FINISHED: LOCATION: Bendigo Ophir Stations DATUM: HOLE DEPTH: 2.8m COORDINATES: INCLINATION: Vertical GRID: NZTM 2000

	Core Description				Rock Defects			Drilling & Testing							
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	DEPTH RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE	WEATHERING	ROCK STRENGTH	10AD UCS (MPa) 25 CORE LOSS 56 57 57 57 57 57 57 57	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS
ST	Organic Clayey SILT; black. Loose, dry, low plasticity.	-	0.0	20 2 TS 20 20 20 2 TS 30 2 TS											
-	Silty GRAVEL; brown. Loose, dry, low plasticity. Silty GRAVEL, with schist fragments; brown. Very stiff, dry, low plasticity.	1	2.3 -2.3										Groundwater Not Encountered		

EOH: 2.80 m

EGL - Rock Log v6 - 19/05/2025 12:40:10 pm - Produced with Core-GS by Geroc



ROCK LOG

DRILLHOLE No.: MTP48

SHEET 1 OF 1

Job No.: 9702.0

HOLE STARTED:

ORIENTATION:

RL GROUND: PROJECT: **BOGP Test Pits** HOLE FINISHED: LOCATION: Bendigo Ophir Stations DATUM: HOLE DEPTH: 3.1m COORDINATES: INCLINATION: Vertical GRID:

Core Description	Rock Defects				Drilling & Testing										
ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	DEPTH RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	- 25 WATER LOSS - 50 (%)	FIELD TESTS
Organic Clayey SILT; black. Loose, low plasticity. Silty GRAVEL; brown. Loose, dry, low plasticity. Silty CLAY; brown. Very stiff, moist, moderate plasticity. Sandy GRAVEL; grey. Very stiff, moist, low plasticity.	1	0.0 -0.1 0.7 -0.7 -2.0 -2.0											Groundwater Not Encountered		

EGL - Rock Log v6 - 19/05/2025 12:40:11 pm - Produced with Core-GS by Geroc



ROCK LOG

DRILLHOLE No.: MTP49

SHEET 1 OF 1

Job No.: 9702.0

HOLE STARTED:

ORIENTATION:

RL GROUND: PROJECT: **BOGP Test Pits** HOLE FINISHED: LOCATION: Bendigo Ophir Stations DATUM: HOLE DEPTH: 3.1m COORDINATES: INCLINATION: Vertical GRID: NZTM 2000

	Core Description				Rock Defects				Drilling & Testing]	
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	DEPTH RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE FREQUENCY FREQUENCY	WEATHERING	ROCK STRENGTH	PT LOAD / UCS (MPa)	- 25 CORE LOSS - 50 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS
TS	Organic Clayey SILT; black, dry, low plasticity.		0.0	Žľ.			i									
1	Silty GRAVEL; brown. Loose, dry, low plasticity. Silty CLAY; brown. Very stiff, dry, moderate plasticity. Sandy GRAVEL; grey. Very stiff, moist, low plasticity.	1	0.8 -0.8 -0.8											Groundwater Not Encountered		
		3 _ EOH:	3.1 3.10 n													

EGL - Rock Log v6 - 19/05/2025 12:40:11 pm - Produced with Core-GS by Geroc



ROCK LOG

DRILLHOLE No.: MTP50

SHEET 1 OF 1

Job No.: 9702.0

HOLE STARTED:

RL GROUND: PROJECT: **BOGP Test Pits** HOLE FINISHED: LOCATION: Bendigo Ophir Stations DATUM: HOLE DEPTH: 4.1m COORDINATES: INCLINATION: Vertical GRID: ORIENTATION:

	Core Description	Rock Defects			Drilling & Testing										
GEOLOGICAL UNIT	ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	DEPTH RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE	WEATHERING	ROCK STRENGTH	S CORE LOSS		RQD (%)	SAMPLES	WATER LEVEL	25 WATER LOSS 50 (%)	FIELD TESTS
-	Organic Clayey SILT; black. Loose, moist, low plasticity. Silty Gravel; brown. Very stiff, moist, low plasticity.	2	0.9 -0.1										Groundwater Not Encountered		

EGL - Rock Log v6 - 19/05/2025 12:40:12 pm - Produced with Core-GS by Geroc



ROCK LOG

DRILLHOLE No.:

MTP51

SHEET 1 OF 1

Job No.: 9702.0

HOLE STARTED:

ORIENTATION:

RL GROUND: PROJECT: **BOGP Test Pits** HOLE FINISHED: LOCATION: Bendigo Ophir Stations DATUM: HOLE DEPTH: 6.9m COORDINATES: INCLINATION: Vertical GRID:

Core Description				Rock Defects			Drilling & Testing)
ROCK / SOIL MATERIAL DESCRIPTION	DEPTH (m)	DEPTH RL	GRAPHIC LOG	DEFECT DESCRIPTION & ADDITIONAL NOTES	FRACTURE	WEATHERING	ROCK STRENGTH	- 25 CORE LOSS - 56 (%)	CORE LENGTH / TYPE	RQD (%)	SAMPLES	WATER LEVEL	- 25 WATER LOSS - 50 (%)	FIELD TESTS
Organic Clayey SILT; dark brown. Very stiff, dry, low plasticity. Silty Gravel; brown. Very stiff, moist, low plasticity. Sandy GRAVEL; grey. Very stiff, moist, low plasticity.	1 - 2 - 3 - 3 - 4 6 EOH:	2.0										Groundwater Not Encountered		

EGL - Rock Log v6 - 19/05/2025 12:40:12 pm - Produced with Core-GS by Geroc



BOGP Test Pits

Silty CLAY; brown. Very stiff, moist, moderate plasticity.

Silty SAND; brown. Very stiff, moist, low plasticity.

Bendigo Ophir Stations

PROJECT:

LOCATION:

COORDINATES:

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

RL GROUND:

DATUM:

ROCK LOG

DRILLHOLE No.: MTP52

SHEET 1 OF 1

Job No.: 9702.0

> HOLE STARTED: **HOLE FINISHED:**

HOLE DEPTH: 3.2m INCLINATION: Vertical

ORIENTATION:

GRID: **Rock Defects Drilling & Testing Core Description** WEATHERING ROCK STRENGTH / TYPE PT LOAD / UCS (MPa) WATER LOSS (%) GEOLOGICAL UNIT FRACTURE FREQUENCY CORE LOSS (%) ဗို **WATER LEVEL** CORE LENGTH / **DEFECT DESCRIPTION ROCK / SOIL MATERIAL DESCRIPTION** DEPTH (m) DEPTH RL SAMPLES FIELD TESTS GRAPHIC RQD (%) & ADDITIONAL NOTES 28900 22 23 25 885 Organic Clayey SILT; dark brown. Very stiiff, dry, low plasticity. 9:9 -0.2 Sandy GRAVEL; grey. Very stiff, moist, low Groundwater Not Encountered plasticity. Silty SAND; brown. Very stiff, moist, low plasticity.
Silty GRAVEL; grey. Very stiff, moist, low plasticity. **-0.8**

EGL - Rock Log v6 - 19/05/2025 12:40:13 pm - Produced with Core-GS by Geroc

NOTES:	LOGGED:	DRILLER:
	CHECKED:	DRILL TYPE:



BOGP Test Pits

Bendigo Ophir Stations

PROJECT:

LOCATION:

COORDINATES:

Engineering Geology Ltd

intering decloys Lu +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

RL GROUND:

DATUM:

ROCK LOG

DRILLHOLE No.: MTP53

SHEET 1 OF 1

Job No.: 9702.0

HOLE STARTED:

HOLE FINISHED: HOLE DEPTH: 3.8m

INCLINATION: Vertical

ORIENTATION:

GRID: **Rock Defects Drilling & Testing Core Description** WEATHERING ROCK STRENGTH CORE LENGTH / TYPE GEOLOGICAL UNIT PT LOAD / UCS (MPa) WATER LOSS (%) FRACTURE FREQUENCY CORE LOSS (%) **GRAPHIC LOG WATER LEVEL DEFECT DESCRIPTION ROCK / SOIL MATERIAL DESCRIPTION** DEPTH (m) DEPTH RL SAMPLES FIELD TESTS & ADDITIONAL NOTES RQD (%) 2 2 2 2 2 22 23 25 885 Organic Clayey SILT; black. Loose, moist, low plasticity. Z ŤS Silty GRAVEL; brown. Loose, dry, low plasticity. Groundwater Not Encountered Clayey SILT; brown. Very stiff, dry, moderate plasticity. Sandy GRAVEL; grey. Loose, dry, low plasticity.

EOH: 3.80 m

Rock Log v6 - 19/05/2025 12:40:13 pm - Produced with Core-GS by Geroc

EGL-



Bendigo Ophir Stations

LOCATION:

COORDINATES:

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

RL GROUND:

DATUM:

ROCK LOG

DRILLHOLE No.: MTP54

SHEET 1 OF 1

Job No.: 9702.0

> HOLE STARTED: **HOLE FINISHED:**

HOLE DEPTH: 3.6m INCLINATION: Vertical

ORIENTATION:

GRID: **Rock Defects Drilling & Testing Core Description** / TYPE ROCK STRENGTH PT LOAD / UCS (MPa) WATER LOSS (%) GEOLOGICAL UNIT FRACTURE FREQUENCY CORE LOSS (%) ဗို WEATHERING **WATER LEVEL** CORE LENGTH / DEFECT DESCRIPTION **ROCK / SOIL MATERIAL DESCRIPTION** DEPTH (m) DEPTH RL SAMPLES FIELD TESTS GRAPHIC RQD (%) & ADDITIONAL NOTES 22 23 25 885 N 40 2 20 20 Organic Clayey SILT; black. Loose, dry, low plasticity.
Silty GRAVEL; brown. Loose, dry, low plasticity. 9:9 -0.2 Clayey SILT; brown. Loose, dry, low plasticity. Groundwater Not Encountered Silty CLAY; brown. Very stiff, moist, moderate Gravelly SILT; brown. Very stiff, moist, low plasticity Silty CLAY; brown. Very stiff, dry, moderate plasticity.

Sandy GRAVEL; grey. Very stiff, dry, low plasticity. EOH: 3.60 m

Rock Log v6 - 19/05/2025 12:40:14 pm - Produced with Core-GS by Geroc

EGL-



BOGP Test Pits

Bendigo Ophir Stations

PROJECT:

LOCATION:

GRID:

COORDINATES:

Engineering Geology Ltd

intering decloys Lu +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.: MTP55

SHEET 1 OF 1

Job No.: 9702.0

> HOLE STARTED: **HOLE FINISHED:**

INCLINATION:

HOLE DEPTH: 3.5m

Vertical

ORIENTATION:

RL GROUND: DATUM:

Rock Defects Drilling & Testing Core Description ROCK STRENGTH CORE LENGTH / TYPE GEOLOGICAL UNIT PT LOAD / UCS (MPa) WATER LOSS (%) FRACTURE FREQUENCY CORE LOSS (%) GRAPHIC LOG WEATHERING **WATER LEVEL** DEFECT DESCRIPTION **ROCK / SOIL MATERIAL DESCRIPTION** DEPTH (m) DEPTH RL SAMPLES FIELD TESTS & ADDITIONAL NOTES RQD (%) 2 2 2 2 2 22 23 25 885 Organic Clayey SILT; black. Loose, dry, low plastcity. Groundwater Not Encountered Sandy GRAVEL; brown. Very stiff, dry, low plasticity. Clayey SILT; brownish orange. Very stiff, dry, low plasticity. Sandy SILT; grey. Very stiff, dry, low plasticity.

EOH: 3.50 m

Rock Log v6 - 19/05/2025 12:40:14 pm - Produced with Core-GS by Geroc

EGL-



BOGP Test Pits

Bendigo Ophir Stations

PROJECT:

LOCATION:

COORDINATES:

Engineering Geology Ltd

- intering decloys Lu +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

RL GROUND:

DATUM:

ROCK LOG

DRILLHOLE No.: MTP56

SHEET 1 OF 1

Job No.: 9702.0

HOLE STARTED:

HOLE FINISHED: HOLE DEPTH: 4.2m

INCLINATION: Vertical

ORIENTATION:

GRID: **Rock Defects Drilling & Testing Core Description** WEATHERING ROCK STRENGTH CORE LENGTH / TYPE GEOLOGICAL UNIT PT LOAD / UCS (MPa) WATER LOSS (%) FRACTURE FREQUENCY CORE LOSS (%) GRAPHIC LOG **WATER LEVEL DEFECT DESCRIPTION ROCK / SOIL MATERIAL DESCRIPTION** DEPTH (m) DEPTH RL SAMPLES FIELD TESTS & ADDITIONAL NOTES RQD (%) 28900 22 23 25 885 Organic Clayey SILT; black. Loose, low plasticity. Gravelly SAND; brown. Very stiff, moist, low plasticity. Groundwater Not Encountered 3

Rock Log v6 - 19/05/2025 12:40:15 pm - Produced with Core-GS by Geroc

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- → 1 +64 9 486 2546
 info@egl.co.nz

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Project:

Bendigo Ophir Gold Project

September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP001



Testpit at completion. Max depth 6m



Spoil pile at end of excavation



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Project:

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September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP002 Photographed by: F. Schmit

Testpit at completion. Max depth 6m



Spoil pile at end of excavation



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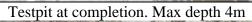
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Project:

Bendigo Ophir Gold Project

September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP003 Photographed by: F. Schmit





Spoil pile at end of excavation



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Project:

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TESTPIT No: MTP004 Photographed by: F. Schmit



Testpit at completion. Max depth 4.1m



Spoil pile at end of excavation



- → 64 9 486 2546
 info@egl.co.nz
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Project:

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September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP005



Testpit at completion. Max depth 7m



Spoil pile at end of excavation



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 info@egl.co.nz
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Project:

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September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP006



Testpit at completion. Max depth 7m



Spoil pile at end of excavation



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 info@egl.co.nz

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Project:

Bendigo Ophir Gold Project

September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP007

Photographed by: F. Schmit



Testpit at completion. Max depth 6m



Spoil pile at end of excavation



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Project:

Bendigo Ophir Gold Project

September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP008

Photographed by: F. Schmit



Testpit at completion. Max depth 5m



Spoil pile at end of excavation



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 info@egl.co.nz

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Project:

Bendigo Ophir Gold Project

September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP009

Photographed by: F. Schmit



Testpit at completion. Max depth 7m



Spoil pile at end of excavation



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Project:

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September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP010



Testpit at completion. Max depth 7m



Spoil pile at end of excavation



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 info@egl.co.nz

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Project:

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September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP011 Photographed by: F. Schmit



Testpit at completion. Max depth 5m



Spoil pile at end of excavation



- → 1 +64 9 486 2546
 info@egl.co.nz

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TESTPIT No: MTP012



Testpit at completion. Max depth 6m



Spoil pile at end of excavation



- → 1 +64 9 486 2546
 info@egl.co.nz

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Project:

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September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP013 Photographed by: F. Schmit

Testpit at completion. Max depth 6.5m



Spoil pile at end of excavation



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 info@egl.co.nz

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September 2024 Date: 9702 EGL Job No:



Testpit at completion. Max depth 6.5m



Spoil pile at end of excavation



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Project:

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September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP015

Photographed by: F. Schmit



Testpit at completion. Max depth 4.5m



Spoil pile at end of excavation



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 info@egl.co.nz

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Testpit at completion. Max depth 6.5m



Spoil pile at end of excavation



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September 2024 Date: 9702



Testpit at completion. Max depth 1m



Spoil pile at end of excavation

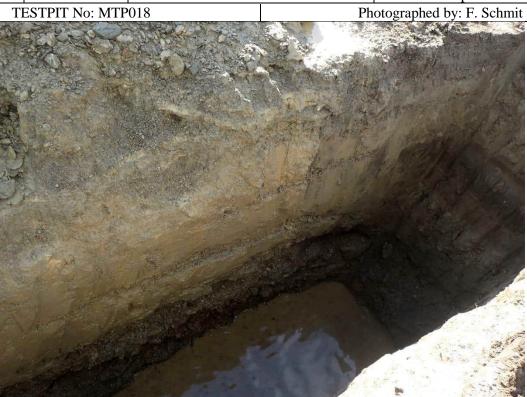


- → 64 9 486 2546
 info@egl.co.nz
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Project:

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Testpit at completion. Max depth 6.5m



Spoil pile at end of excavation



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Project:

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TESTPIT No: MTP019



Testpit at completion. Max depth 2.5m



Spoil pile at end of excavation



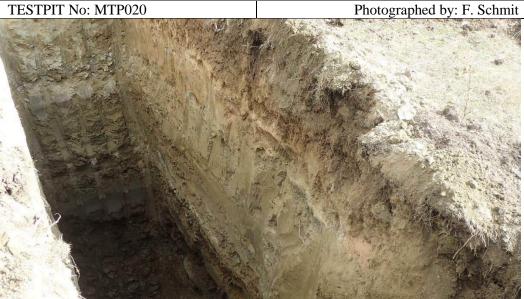
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 info@egl.co.nz
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Project:

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September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP020



Testpit at completion. Max depth 5.5m



Spoil pile at end of excavation



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Project:

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September 2024 Date: 9702



Testpit at completion. Max depth 2.5m



Spoil pile at end of excavation



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Testpit at completion. Max depth 5.5m



Spoil pile at end of excavation



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Testpit at completion. Max depth 6m



Spoil pile at end of excavation



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 info@egl.co.nz

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Project:

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September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP024 Photographed by: F. Schmit



Testpit at completion. Max depth 7.5m



Spoil pile at end of excavation



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 info@egl.co.nz
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Project:

Bendigo Ophir Gold Project

September 2024 Date: 9702

TESTPIT No: MTP025 Photographed by: F. Schmit

Testpit at completion. Max depth 4.5m



Spoil pile at end of excavation



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 info@egl.co.nz
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Project:

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September 2024 Date: EGL Job No: 9702

TESTPIT No: MTP026 Photographed by: F. Schmit

Testpit at completion. Max depth 3.5m



Spoil pile at end of excavation



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Project:

Bendigo Ophir Gold Project

September 2024 Date: 9702

TESTPIT No: MTP027

Photographed by: F. Schmit



Testpit at completion. Max depth 3m



Spoil pile at end of excavation



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Project:

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TESTPIT No: MTP028 Photographed by: F. Schmit



Testpit at completion. Max depth 2m



Spoil pile at end of excavation



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Project:

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TESTPIT No: MTP029



Testpit at completion. Max depth 3m



Spoil pile at end of excavation



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Project:

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Testpit at completion. Max depth 4m



Spoil pile at end of excavation