BOREHOLE LOG

Tonkin+Taylor

BOREHOLE No.: BH06

SHEET: 1 OF 3

PROJECT: EEETA

JOB No.: 1097984.1000.2000

LOCATION: Municipality City Council

CO-ORDINATES: 168.31488300° (WGS84) -17.73659300°

DIRECTION: 180°

ANGLE FROM HORIZ.: -90°

R.L. GROUND: 21.60m

R.L. COLLAR: 21.60m

DATUM: ELLIPSOID

SURVEY: Map or aerial photograph

DRILLED BY: Jono

LOGGED BY: COCU

CHECKED: CRB

START DATE: 02/12/2025

FINISH DATE: 04/12/2025

CONTRACTOR: Vanuatu Drilling

GEOLOGICAL UNIT	MATERIAL DESCRIPTION (SOIL: Classification, colour, consistency / density, moisture, plasticity; ROCK: Weathering, colour, fabric, name, strength, cementation)	Rock Weathering (HW SW MW DW CW RS)	Rock Strength (VS+ S MS W VW EW)	Sampling Method	Core Recovery (%)	Testing	RL (m)	Depth (m)	Graphic Log	ROCK MASS DISCONTINUITIES: Defect Log	Fracture Spacing (mm) (2000 600 200 60 20)	RQD (%)	Description & Additional Observations	Water Level / Fluid Loss (%) (25 50 75)	Casing	Installation	Core Box No
Fill	*0.00m:* GRAVEL, some sand, minor silt; light brown and white. Stiff, dry; gravel, coarse, angular, Coral. [FILL]																
	0.05m: Clayey SILT, some gravel; dark brown mixed white. Stiff, moist, high plasticity; gravel, fine to coarse, sub-angular, Coral reef.																
Reef Limestone Formation	*0.52m:* Slightly to moderately weathered, light white, LIMESTONE. Extremely weak, poorly cemented, coarse grained. [REEF LIMESTONE FORMATION]			HQTT	83		21	0									
	1.25m: CORE LOSS - Suspect washed out.																
	1.50m: Slightly to moderately weathered, light white streaked brown, LIMESTONE. Extremely weak, poorly cemented, coarse grained.			SPT	100	3/7// 10/8/9/10 **N=37**	20	1									
				HQTT	100		19	2									
				SPT	100	5/10// 12/15/9/12 **N=48**	18	3									
				HQTT	100		17	4									Box 0.00-4.40m
	4.20m: Slightly weathered, light brownish white, LIMESTONE. Very weak, poorly cemented, coarse grained.			SPT	100	2/4// 6/10/21/13 for 65mm **N>=50**	16	5									
				HQTT	100		15	6									
	6.00m: Slightly weathered, white, LIMESTONE. Extremely weak, poorly cemented, fine grained. Recovered as: fine to coarse GRAVEL, some silt, minor sand; light brownish white. Medium dense, moist, poorly graded. Gravel, angular, limestone.			SPT	100	6/6// 4/6/15/10 **N=35**	14	7									
				HQTT	100		13	8									
	7.20m: Slightly weathered, lightbrownish white, LIMESTONE. Very weak, well cemented, coarse grained.			HQTT	100	20 for 20mm **N>=50** Solid Cone Bouncing Refusal	12	9									Box 4.40-7.85m
						BH06_UCS @ 8.57m							*8.57 - 8.79m:* UCS - 2.5 MPa				
	9.00m: NO RECOVERY - Solid SPT, no overcore recovered.			SPTC	0	7/10// 10 for 30mm **N>=50** Solid Cone Bouncing Refusal							*9.00m:* Grouted from 0 m to 9 m on 02.12 at end of day	DRY 02/12/2025			
	9.18m: CORE LOSS - Suspect washed out.																
	9.40m: Slightly weathered, brownish white, LIMESTONE. Very weak, well cemented, coarse grained.			HQTT	83												

COMMENTS: 1. Borehole has downhole geophysics installation. 2. No water circulation the entire depth of borehole. The borehole was grouted at the end of day at 9.0 m bgl and 12.0 m bgl.

Hole Depth 30m

Scale 1:50

Rev.: A

TTNZ_20251211 - GeneralLog - 6/05/2026 9:36:58 am - Produced with Core-GS by GeRoc

BOREHOLE LOG

Tonkin+Taylor

BOREHOLE No.: BH06

SHEET: 2 OF 3

PROJECT: EEETA
JOB No.: 1097984.1000.2000
LOCATION: Municipality City Council

CO-ORDINATES: 168.31488300° (WGS84) -17.73659300°
DIRECTION: 180°
ANGLE FROM HORIZ.: -90°

R.L. GROUND: 21.60m
R.L. COLLAR: 21.60m
DATUM: ELLIPSOID
SURVEY: Map or aerial photograph

DRILLED BY: Jono
LOGGED BY: COCU
CHECKED: CRB
START DATE: 02/12/2025
FINISH DATE: 04/12/2025
CONTRACTOR: Vanuatu Drilling

GEOLOGICAL UNIT	MATERIAL DESCRIPTION (SOIL: Classification, colour, consistency / density, moisture, plasticity; ROCK: Weathering, colour, fabric, name, strength, cementation)	Rock Weathering	Rock Strength	Sampling Method	Core Recovery (%)	Testing	RL (m)	Depth (m)	Graphic Log	ROCK MASS DISCONTINUITIES: Defect Log	Fracture Spacing (mm)	RQD (%)	Description & Additional Observations	Water Level / Fluid Loss (%)	Casing	Installation	Core Box No
Reef Limestone Formation	[CONT] *9.40m:* Slightly weathered, brownish white, LIMESTONE. Very weak, well cemented, coarse grained.			HQTT	83												
	10.50m: NO RECOVERY - Solid SPT, no overcore recovered.			SPTC	0	12/9// 7/5/7/9 **N=28** Solid Cone											
	10.95m: CORE LOSS - Suspect washed out.																
	11.30m: Slightly weathered, brownish white, LIMESTONE. Extremely weak, poorly cemented, fine grained. Recovered as: coarse GRAVEL, some silt, minor sand; light brownish white. Dense, moist. Gravel, angular, limestone.			HQTT	67												
				SPT	100	11/7// 7/7/10/14 **N=38**							*12.00m:* Grouted from 0 m to 12 m on 03.12 at end of day	DRY 03/12/2025			
	12.80m: Slightly weathered, brownish white, LIMESTONE. Very weak, well cemented, coarse grained.			HQTT	81												
	13.30m: CORE LOSS - Suspect washed out.																
	13.50m: Slightly weathered, brownish white, LIMESTONE. Very weak, well cemented, coarse grained.			HQTT	100	20 for 50mm **N>=50** Bouncing Refusal											Box 7.85-12.85m
	15.00m: NO RECOVERY - Solid SPT, no overcore recovered.			SPTC	9	15/10// for 30mm **N>=50** Solid Cone Bouncing Refusal											
	15.10m: Slightly weathered, brownish white, LIMESTONE. Very weak, well cemented, coarse grained.			HQTT	100												
	16.50m: NO RECOVERY - Solid SPT, no overcore recovered.			SPTC	20	12/9// 14/10 for 20 mm **N>=50** Solid Cone Bouncing											
	16.70m: Slightly weathered, brownish white, LIMESTONE. Very weak, well cemented, coarse grained. Minor chemical disintegration.			HQTT	100												Box 12.85-17.10m
	18.00m: NO RECOVERY - Solid SPT, no overcore recovered.				0	20 for 70mm **N>=50** Solid Cone Bouncing Refusal											
	18.20m: Slightly weathered, brownish white, LIMESTONE. Very weak, well cemented, coarse grained.			HQTT	91												
	19.50m: NO RECOVERY - Solid SPT, no overcore recovered.			SPTC	63	10/8// 8/9/18/15 for 35mm **N>=50** Solid Cone Bouncing											
	19.65m: Slightly weathered, brownish white, LIMESTONE. Extremely weak, poorly cemented, fine grained. Recovered as:																

COMMENTS: 1. Borehole has downhole geophysics installation. 2. No water circulation the entire depth of borehole. The borehole was grouted at the end of day at 9.0 m bgl and 12.0 m bgl.

Hole Depth 30m

Scale 1:50

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BOREHOLE LOG

Tonkin+Taylor

BOREHOLE No.: BH06

SHEET: 3 OF 3

PROJECT: EEETA
JOB No.: 1097984.1000.2000
LOCATION: Municipality City Council

CO-ORDINATES: 168.31488300° -17.73659300° (WGS84)
DIRECTION: 180°
ANGLE FROM HORIZ.: -90°

R.L. GROUND: 21.60m
R.L. COLLAR: 21.60m
DATUM: ELLIPSOID
SURVEY: Map or aerial photograph

DRILLED BY: Jono
LOGGED BY: COCU
CHECKED: CRB
START DATE: 02/12/2025
FINISH DATE: 04/12/2025
CONTRACTOR: Vanuatu Drilling

GEOLOGICAL UNIT	MATERIAL DESCRIPTION (SOIL: Classification, colour, consistency / density, moisture, plasticity; ROCK: Weathering, colour, fabric, name, strength, cementation)	Rock Weathering	Rock Strength	Sampling Method	Core Recovery (%)	Testing	RL (m)	Depth (m)	Graphic Log	ROCK MASS DISCONTINUITIES: Defect Log	Fracture Spacing (mm)	RQD (%)	Description & Additional Observations	Water Level / Fluid Loss (%)	Casing	Installation	Core Box No
Reef Limestone Formation	fine to coarse GRAVEL, some silt, minor sand; light brownish white. Very dense, moist, poorly graded. Gravel, sub-angular, limestone.			HQTT	100		1	21									
	20.65m: Slightly weathered, brownish white, LIMESTONE. Very weak, well cemented, coarse grained.			HQTT	100	20 for 40mm **N>=50** Solid Cone Bouncing Refusal	0	22						04/12/2025			Box 17.10-21.35m
	22.50m: NO RECOVERY - Solid SPT, no overcore recovered.			SPTC	0	13/12// 10/8/ 6/7 **N=31** Solid Cone	-1	23									
	22.95m: CORE LOSS - Suspect washed out. Calcareous SAND, poorly cemented.			HQTT	57		-2	24									
	23.40m: Slightly weathered, brownish white, LIMESTONE. Extremely weak, poorly cemented, fine grained. Recovered as: fine to coarse GRAVEL, some sand, minor cobbles; light brownish white. Tightly packed, moist, poorly graded. Gravel, sub-angular, limestone.																
	24.00m: NO RECOVERY - Solid SPT, no overcore recovered.			SPTC	11	14/15// 10/8/ 11/8 **N=37** Solid Cone	-3	25									
	24.40m: Slightly weathered, brownish white, LIMESTONE. Extremely weak, poorly cemented, fine grained. Recovered as: fine to coarse GRAVEL, some sand, minor cobbles; light brownish white. Dense, moist. Gravel, sub-angular, limestone.			HQTT	100		-4	26									
	24.75m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, poorly cemented, fine grained. Recovered as: fine to coarse SAND, some gravel, trace silt; light brownish white. Tightly packed, moist, well graded. Sand, Calcareous; gravel, fine to coarse, angular, coral and shell fragments.																
	25.50m: NO RECOVERY - Solid SPT, no overcore recovered.			SPTC	51	11/15// 15/14/13/8 for 55mm **N>=50** Solid Cone	-5	27									
	25.70m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, poorly cemented, fine grained. Recovered as: gravelly fine to coarse SAND, trace silt; light brownish white. Very dense, moist, well graded. Sand, Calcareous; gravel, fine to coarse, angular, Coral and shell fragments.			HQTT	100		-6	28									Box 21.35-26.70m
	27.00m: NO RECOVERY - Solid SPT, no overcore recovered.			SPTC	0	12/12// 14/13/27 for 70 mm **N>=50** Solid Cone	-7	29									
	27.45m: CORE LOSS - Suspect washed out.			HQTT	53		-8										
	27.90m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, poorly cemented, fine grained. Recovered as: gravelly fine to coarse SAND, trace silt; light brownish white. Tightly packed, moist, well graded. Sand, Calcareous; gravel, fine to coarse, angular, Coral and shell fragments.																
	28.50m: NO RECOVERY - Solid SPT, no overcore recovered.			SPTC	0	7/8// 6/7/10/8 **N=31** Solid Cone											
	28.95m: CORE LOSS - Suspect washed out Calcareous SAND.			HQTT	29												Box 26.70-30.00m
	29.70m: Same as description above																
	30m: END OF BOREHOLE																

COMMENTS: 1. Borehole has downhole geophysics installation. 2. No water circulation the entire depth of borehole. The borehole was grouted at the end of day at 9.0 m bgl and 12.0 m bgl.

Hole Depth 30m

Scale 1:50

Rev.: A

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CORE PHOTOS

BOREHOLE No.: **BH06**

Hole Location: Municipality City Council

PROJECT: EEETA	LOCATION: Port Vila	JOB No.: 1097984.1000.2000
CO-ORDINATES: 168.314883 (WGS84) -17.736593 R.L.: 21.60m DATUM: ELLIPSOID	DRILL TYPE: Trailer rig METHOD: Rotary cored	HOLE STARTED: 02/12/2025 HOLE FINISHED: 04/12/2025 DRILLED BY: Vanuatu Drilling LOGGED BY: COCU CHECKED: CRB



0.00-4.40m



4.40-7.85m

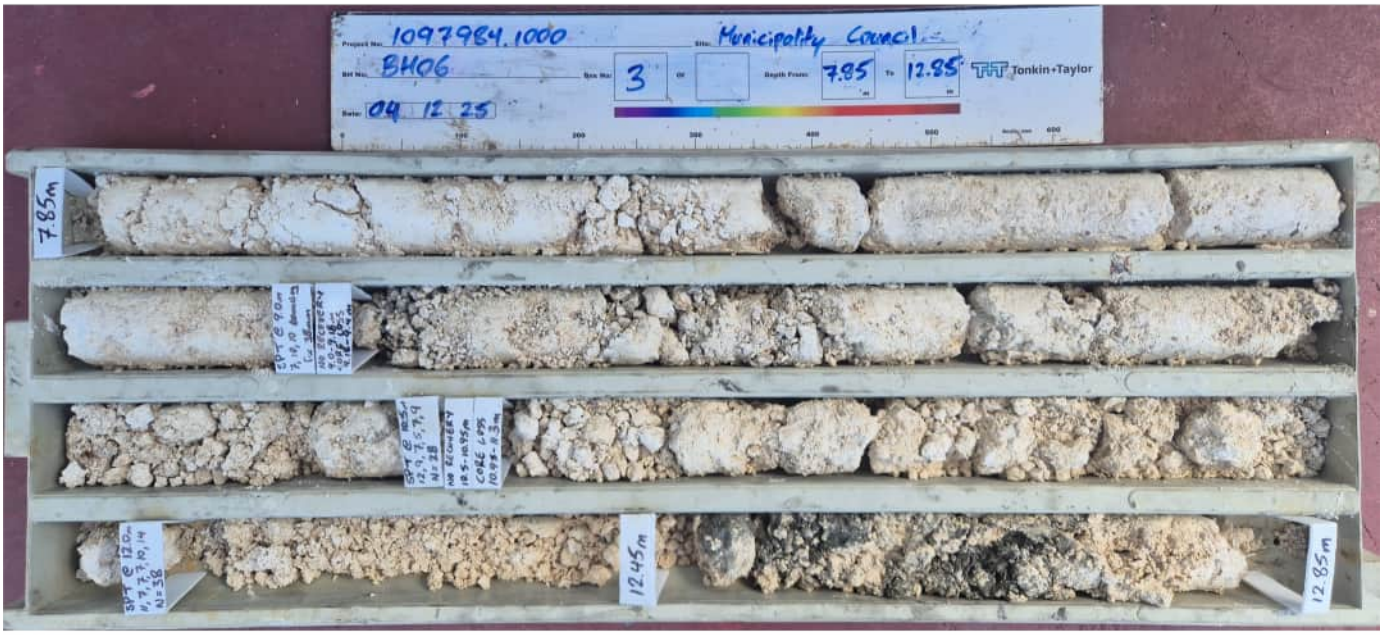
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CORE PHOTOS

BOREHOLE No.: **BH06**

Hole Location: Municipality City Council

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7.85-12.85m



12.85-17.10m

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CORE PHOTOS

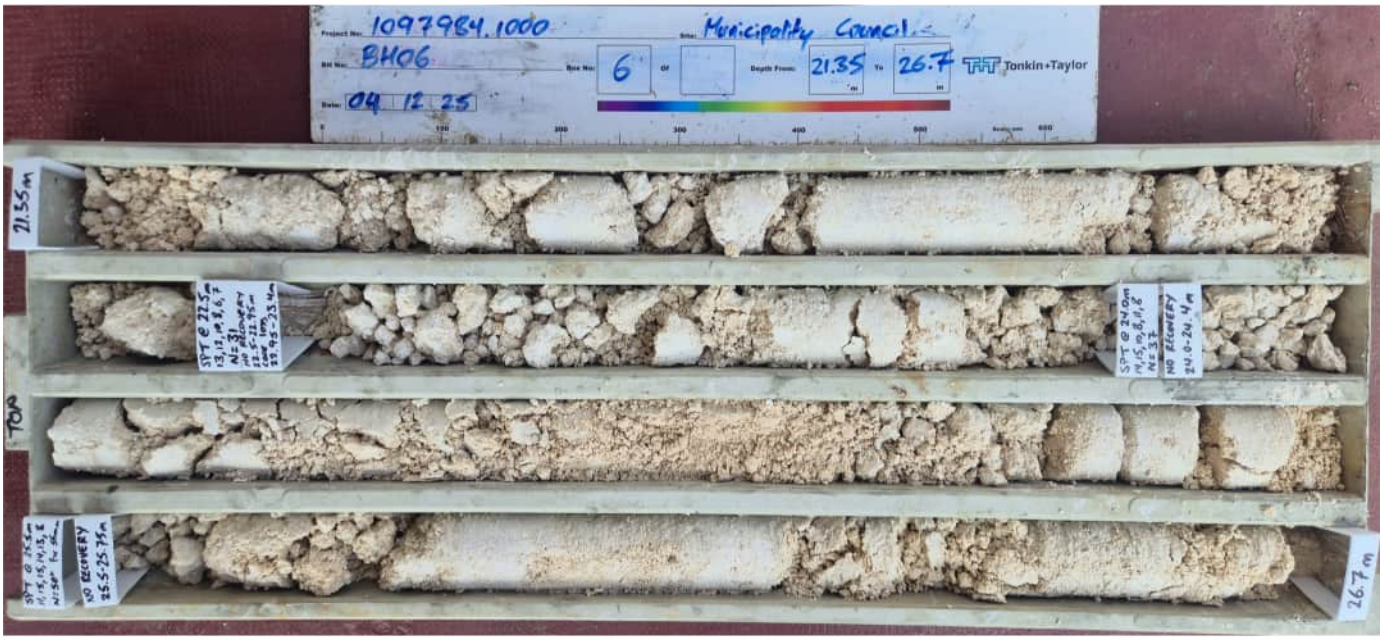
BOREHOLE No.: **BH06**

Hole Location: Municipality City Council

PROJECT: EEETA	LOCATION: Port Vila	JOB No.: 1097984.1000.2000
CO-ORDINATES: 168.314883 (WGS84) -17.736593 R.L.: 21.60m DATUM: ELLIPSOID	DRILL TYPE: Trailer rig METHOD: Rotary cored	HOLE STARTED: 02/12/2025 HOLE FINISHED: 04/12/2025 DRILLED BY: Vanuatu Drilling LOGGED BY: COCU CHECKED: CRB



17.10-21.35m



21.35-26.70m

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BOREHOLE No.: **BH06**

Hole Location: Municipality City Council

PROJECT: EEETA	LOCATION: Port Vila	JOB No.: 1097984.1000.2000
CO-ORDINATES: 168.314883 (WGS84) -17.736593 R.L.: 21.60m DATUM: ELLIPSOID	DRILL TYPE: Trailer rig METHOD: Rotary cored	HOLE STARTED: 02/12/2025 HOLE FINISHED: 04/12/2025 DRILLED BY: Vanuatu Drilling LOGGED BY: COCU CHECKED: CRB



26.70-30.00m

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