BOREHOLE LOG

Tonkin+Taylor

BOREHOLE No.: BH10

SHEET: 1 OF 2

PROJECT: EEETA
JOB No.: 1097984.1000.2000
LOCATION: Anchor Inn

CO-ORDINATES: 168.31123900° (WGS84) -17.73565100°
DIRECTION: 180°
ANGLE FROM HORIZ.: -90°

R.L. GROUND: 2.00m
R.L. COLLAR: 2.00m
DATUM: ELLIPSOID
SURVEY: Map or aerial photograph

DRILLED BY: Jono
LOGGED BY: COCU
CHECKED: CRB
START DATE: 09/12/2025
FINISH DATE: 11/12/2025
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
Reclamation Fill	*0.00m:* Gravelly fine to coarse SAND, trace silt; brown mixed white. Loosely packed, dry, poorly graded; gravel, fine to coarse, sub-angular, Coral and concrete. [RECLAMATION FILL]			HQTT	50		2	0									
	0.40m: Fine to coarse GRAVEL, minor sand; white. Loosely packed, moist, poorly graded. Gravel, sub-rounded, Coral.																
	0.75m: CORE LOSS - Suspect washed out. *0.00 - 1.50m:* Cuttings are Brown sand.																
	1.50m: Fine to coarse GRAVEL, some sand, minor silt; light brownish white. Very dense, moist, poorly graded. Gravel, angular, Coral.			SPT	100	3/2// 2/3/22/23 for 25mm **N>=50** Bouncing	1	-1									
	1.90m: CORE LOSS - Suspect washed out. *1.60 - 1.75m:* Dark brown.																
Peri-reef Deposits	*2.35m:* Fine to coarse GRAVEL, some sand, minor silt; light brownish white. Loosely packed, moist, poorly graded. Gravel, sub-rounded, Coral. [PERI-REEF DEPOSITS]			HQTT	59		0	-2									
	2.75m: COBBLES, some gravel, minor silt; light brownish white. Very dense, moist, poorly graded. Cobbles, up to 150mm, sub-angular, coral reef.					10 for 20mm **N>=50** Bouncing Refusal	-1	-3									
	3.60m: CORE LOSS - Obstruction (recovered) in front of barrel. *3.00 - 4.50m:* Cuttings are Light Brownish white sand and fine gravel comprising coral.			HQTT	41		-2	-4									
	4.50m: Gravelly fine to coarse SAND, minor silt; light brownish white. Dense, moist, poorly graded; gravel, fine to coarse, sub-angular, Coral.			SPT	100	7/11// 13/5/ 9/11 **N=38**	-3	-5									
	4.95m: CORE LOSS - Suspect washed out. Poorly cemented Limestone sand.																
	5.65m: Fine to coarse GRAVEL, some sand, minor silt; light brownish white. Loose to medium dense, moist, poorly graded. Gravel, sub-angular, Coral.			HQTT	33		-4	-6									
	6.45m: CORE LOSS - Suspect washed out.																
	7.05m: Fine to coarse GRAVEL, some sand, minor silt; light brownish white. Loosely packed, moist, poorly graded. Gravel, sub-angular, Coral.			SPT	100	2/7// 3/2/2/3 **N=10**	-5	-7									
	7.50m: Fine to coarse SAND, some gravel, minor silt; light brown. Very loose, moist, poorly graded; gravel, fine to coarse, sub-rounded, Coral and shell fragments.			HQTT	43													
	7.95m: CORE LOSS - Suspect washed out. Poorly cemented Limestone sand.																
Reef Limestone Formation	*8.25m:* Slightly weathered, light brownish white, LIMESTONE. Very weak, well cemented, coarse grained. [REEF LIMESTONE FORMATION]			HQTT	71	1.0// 0/1/0/2 **N=3**	-6	-8					*8.69 - 8.90m:* UCS - 7.6 MPa				
						BH10_UCS @ 8.69m											
				SPT	100	3/3// 8/8/7/4 **N=27**	-7	-9									
	9.45m: CORE LOSS - Suspect washed out. Poorly cemented Limestone sand.			HQTT	76												
	9.70m: Slightly weathered, light brownish white, LIMESTONE.																

Water Level / Fluid Loss (%): 11/12/2025

Box 0.00-6.45m

COMMENTS: 1. Borehole has piezometer installation from 3 - 6 m. 2. No water circulation the entire depth of borehole.

Hole Depth 20m

Scale 1:50

Rev.: A

TTNZ_20251211 - GeneralLog - 6/05/2026 10:41:54 am - Produced with Core-GS by GeRoc

BOREHOLE LOG

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SHEET: 2 OF 2

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DATUM: ELLIPSOID
SURVEY: Map or aerial photograph

DRILLED BY: Jono
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START DATE: 09/12/2025
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CONTRACTOR: Vanuatu Drilling

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Reef Limestone Formation	Extremely weak, well cemented, coarse grained. Interbedded with: gravelly fine to coarse SAND, minor silt; light brownish white. Very dense, moist, well graded; gravel, fine to coarse, sub-rounded, Coral.			HQTT	76	20 for 60mm N>=50 Bouncing Refusal	-9	11									
	10.65m: Unweathered, light brownish white, LIMESTONE. Weak, well cemented, coarse grained.			HQTT	100	BH10_UCS @ 10.80m							*10.80 - 11. 10m:* UCS - 11.9 MPa				Box 6.45-11.10m
				HQTT	100	10 for 20mm N>=50 Solid Cone Bouncing Refusal	-10	12									
				HQTT	100	10 for 25mm N>=50 Solid Cone Bouncing Refusal	-11	13									
				HQTT	100	10 for 20mm N>=50 Solid Cone Bouncing Refusal	-12	14									Box 11.10-15.00m
				HQTT	100	20 for 30mm N>=50 Solid Cone Bouncing Refusal	-13	15									
				HQTT	100	10 for 40mm N>=50 Solid Cone Bouncing Refusal	-14	16									
	19.00m: CORE LOSS - Suspect material left in bottom of hole, washed out on subsequent run.			HQTT	72		-15	17									Box 15.00-19.00m
	19.45m: Unweathered, white, LIMESTONE. Very weak, well cemented, coarse grained. Vesicular (10% voids).			HQTT	100		-16	18									
	20m: END OF BOREHOLE						-17	19	VO V								Box 19.00-20.00m

COMMENTS: 1. Borehole has piezometer installation from 3 - 6 m. 2. No water circulation the entire depth of borehole.

Hole Depth 20m

Scale 1:50

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CORE PHOTOS

BOREHOLE No.: **BH10**

Hole Location: Anchor Inn

PROJECT: EEETA	LOCATION: Port Vila	JOB No.: 1097984.1000.2000
CO-ORDINATES: 168.311239 (WGS84) -17.735650999999997 R.L.: 2.00m DATUM: ELLIPSOID	DRILL TYPE: Trailer rig METHOD: Rotary cored	HOLE STARTED: 09/12/2025 HOLE FINISHED: 11/12/2025 DRILLED BY: Vanuatu Drilling LOGGED BY: COCU CHECKED: CRB



0.00-6.45m



6.45-11.10m

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11.10-15.00m



15.00-19.00m

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19.00-20.00m

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