BOREHOLE LOG

Tonkin+Taylor

BOREHOLE No.: BH07

SHEET: 1 OF 4

PROJECT: EEETA
JOB No.: 1097984.1000.2000
LOCATION: Olympic

CO-ORDINATES: 168.31302800° -17.73601200° (WGS84)
DIRECTION: 180°
ANGLE FROM HORIZ.: -90°

R.L. GROUND: 4.00m
R.L. COLLAR: 4.00m
DATUM: ELLIPSOID
SURVEY: Map or aerial photograph

DRILLED BY: Jono
LOGGED BY: COCU
CHECKED: CRB
START DATE: 05/12/2025
FINISH DATE: 09/12/2025
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
Fill	*0.00m:* GRAVEL, minor sand; light brown and black. Loosely packed, moist; gravel, coarse, sub-angular, Coral and wood. [FILL]																
	0.15m: CONCRETE; grey mixed white. Loosely packed, dry.																
Reef Limestone Formation	*0.35m:* Slightly weathered, light brownish white, LIMESTONE. Very weak, well cemented, coarse grained. [REEF LIMESTONE FORMATION]			HQTT	73		3	1									
	1.10m: CORE LOSS - Suspect washed out.																
	1.50m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, minor sand; light brownish white. Dense, moist, poorly graded. Gravel, sub-angular, Coral and shell fragments.			SPT	100	5/9// 11/8/ 9/11 **N=39**											
	2.35m: CORE LOSS - Suspect washed out.			HQTT	38		2	2									
	3.00m: NO RECOVERY - Suspect slipped out of SPT spoon.			SPT	0	10/4// 4/4/12/30 **N>=50** Bouncing	1	3									
	3.45m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, minor sand; light brownish white. Tightly packed, moist, poorly graded. Gravel, sub-angular, Coral and shell fragments.			HQTT	81		0	4									
	4.30m: CORE LOSS - Suspect washed out.																
	4.50m: NO RECOVERY - Solid SPT, no overcore recovered.			SPTC	0	8/10// 10/10/8/8 **N=36** Solid Cone	-1	5									
	4.95m: CORE LOSS - Suspect washed out.																
	5.15m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, minor sand; light brownish white. Medium dense to dense, moist, poorly graded. Gravel, sub-angular, Coral and shell fragments.			HQTT	81		-2	6									
				SPT	100	6/8// 9/7/6/6 **N=28**											
				HQTT	100		-3	7									
				SPT	100	10/6// 5/4/11/13 **N=33**	-4	8									
	8.20m: CORE LOSS - Suspect washed out.			HQTT	24												
	9.00m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, some cobbles, trace sand; light brownish white. Very dense, moist, poorly graded. Gravel, sub-angular, Coral and shell fragments.			SPT	100	13/13// 14/10 for 25 mm **N>=50** Bouncing	-5	9									
				HQTT	100												

Box 0.00-6.00m

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 13.5 bgl.

Hole Depth 31.5m

Scale 1:50

Rev.: A

TTNZ_20251211 - GeneralLog - 6/05/2026 9:43:46 am - Produced with Core-GS by GeRoc

BOREHOLE LOG

Tonkin+Taylor

BOREHOLE No.: BH07

SHEET: 2 OF 4

PROJECT: EEETA
JOB No.: 1097984.1000.2000
LOCATION: Olympic

CO-ORDINATES: 168.31302800° -17.73601200° (WGS84)
DIRECTION: 180°
ANGLE FROM HORIZ.: -90°

R.L. GROUND: 4.00m
R.L. COLLAR: 4.00m
DATUM: ELLIPSOID
SURVEY: Map or aerial photograph

DRILLED BY: Jono
LOGGED BY: COCU
CHECKED: CRB
START DATE: 05/12/2025
FINISH DATE: 09/12/2025
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] *9.00m:* Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, some cobbles, trace sand; light brownish white. Very dense, moist, poorly graded. Gravel, sub-angular, Coral and shell fragments.			HQTT / SPT	100 / 100	11/8// 6/21/8/ 15 for 65mm **N>=50**	-7	11									Box 6.00-10.50m
	10.94m: CORE LOSS - Suspect washed out.			HQTT	47												
	11.50m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, some sand, minor silt; light brownish white. Tightly packed, moist, poorly graded. Gravel, sub-angular, Coral and shell fragments.			SPT	0	20 for 70mm **N>=50** Bouncing Refusal	-8	12									
	12.00m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, some cobbles, trace sand; light brownish white. Very dense, moist, poorly graded. Gravel, sub-angular, Coral and shell fragments.			HQTT	87		-9	13									
	13.25m: CORE LOSS - Suspect washed out.																
	13.50m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, some sand, minor silt; light brownish white. Very dense, moist, poorly graded. Gravel, sub-angular, Coral and shell fragments.			SPT	100	10/12// 10 for 20mm **N>=50** Bouncing	-10	14					*13.50m:* Borehole was grouted from 0 m to 13.5 m on the 05.12 at the end of day				
	14.10m: CORE LOSS - Suspect washed out.			HQTT	32												
	15.00m: Moderately weathered, light brown mottled orange, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, trace sand; light brown mottled orange. Medium dense, moist, poorly graded. Gravel, angular, Coral.			SPT	100	15/12// 9/5/13/8 **N=35**	-11	15									
	15.50m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, some sand, minor silt; light brownish white. Tightly packed, moist, poorly graded. Gravel, sub-angular, Coral.			HQTT	90		-12	16									Box 10.50-16.00m
	16.40m: CORE LOSS - Suspect washed out.																
	16.50m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, minor sand; light brownish white. Very dense, moist, poorly graded. Gravel, sub-angular, Coral.			SPT	100	8/6// 9/23/28 for 70 mm **N>=50**	-13	17									
	17.85m: CORE LOSS - Suspect washed out.			HQTT	87												
	18.00m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, minor sand; light brownish white. Dense to very dense, moist, poorly graded. Gravel, sub-angular, Coral.			SPT	100	16/14// 10/16/14/9 **N=49**	-14	18									
				HQTT	100		-15	19									Box 16.00-19.95m
				SPT	100	9/6// 10/11/8/21 **N>=50**											

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 13.5 bgl.

Hole Depth 31.5m

Scale 1:50

Rev.: A

TTNZ_20251211 - GeneralLog - 6/05/2026 9:43:46 am - Produced with Core-GS by GeRoc

BOREHOLE LOG

Tonkin+Taylor

BOREHOLE No.: BH07

SHEET: 3 OF 4

PROJECT: EEETA
JOB No.: 1097984.1000.2000
LOCATION: Olympic

CO-ORDINATES: 168.31302800° (WGS84) -17.73601200°
DIRECTION: 180°
ANGLE FROM HORIZ.: -90°

R.L. GROUND: 4.00m
R.L. COLLAR: 4.00m
DATUM: ELLIPSOID
SURVEY: Map or aerial photograph

DRILLED BY: Jono
LOGGED BY: COCU
CHECKED: CRB
START DATE: 05/12/2025
FINISH DATE: 09/12/2025
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] *18.00m:* Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, minor sand; light brownish white. Dense to very dense, moist, poorly graded. Gravel, sub-angular, Coral.			HQTT	100		-17	21						
				SPT	100	6/10// 14/17/19 for 40 mm **N>=50** Bouncing								
				HQTT	78		-18	22						
	22.25m: CORE LOSS - Suspect washed out.													
	22.50m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, medium grained. Recovered as: coarse GRAVEL, some sand; light brownish white. Dense, moist, poorly graded. Gravel, sub-angular, Coral.			SPT	100	7/6// 10/11/12/6 **N=39**	-19	23						
	23.30m: Slightly weathered, light brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Silt infill. Recovered as: coarse GRAVEL, some sand, minor silt; light brownish white. Tightly packed, moist, poorly graded. Gravel, sub-angular, Coral.			HQTT	81									
	23.80m: CORE LOSS - Suspect washed out.						-20	24						
	24.00m: Moderately weathered, brownish white, LIMESTONE. Extremely weak, well cemented, coarse grained. Silt infill. Recovered as: coarse GRAVEL, some sand, minor silt; brownish white. Medium dense, moist, poorly graded. Gravel, sub-angular, Coral.			SPT	100	4/1// 4/4/9/10 **N=27**								
	24.60 - 25.05m: Slightly weathered, white.			HQTT	57		-21	25						
	25.05m: CORE LOSS - Suspect washed out.													
	25.50m: Slightly weathered, white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, minor sand; white. Medium dense to dense, moist, poorly graded. Gravel, sub-angular, Coral.			SPT	100	6/8// 6/7/5/7 **N=25**	-22	26						
				HQTT	100									
				SPT	100	6/5// 9/12/10/9 **N=40**	-23	27						
				HQTT	86		-24	28						
	28.35m: CORE LOSS - Suspect washed out.													
	28.50m: Slightly weathered, white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, minor sand; white. Medium dense, moist, poorly graded. Gravel, sub-angular, Coral.			SPT	100	7/6// 7/7/9/12 **N=35**	-25	29						
				HQTT	90									

Box 19.95-24.45m

Box 24.45-28.95m

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 13.5 bgl.

Hole Depth 31.5m

Scale 1:50

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BOREHOLE LOG

BOREHOLE No.: BH07

SHEET: 4 OF 4

Tonkin+Taylor

PROJECT: EEETA
JOB No.: 1097984.1000.2000
LOCATION: Olympic

CO-ORDINATES: 168.31302800° (WGS84) -17.73601200°
DIRECTION: 180°
ANGLE FROM HORIZ.: -90°

R.L. GROUND: 4.00m
R.L. COLLAR: 4.00m
DATUM: ELLIPSOID
SURVEY: Map or aerial photograph

DRILLED BY: Jono
LOGGED BY: COCU
CHECKED: CRB
START DATE: 05/12/2025
FINISH DATE: 09/12/2025
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	*29.90m:* CORE LOSS - Suspect washed out. *30.00m:* Slightly weathered, white, LIMESTONE. Extremely weak, well cemented, coarse grained. Recovered as: coarse GRAVEL, minor sand; white. Dense, moist, poorly graded. Gravel, sub-angular, Coral.			SPT	100	9/15// 17/14/6/5 **N=42**	-27	31									Box 28.95-31.50m
				HQTT	100												
	31.5m: END OF BOREHOLE						-28	32									
							-29	33									
							-30	34									
							-31	35									
							-32	36									
							-33	37									
							-34	38									
							-35	39									

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 13.5 bgl.

Hole Depth 31.5m

Scale 1:50

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CORE PHOTOS

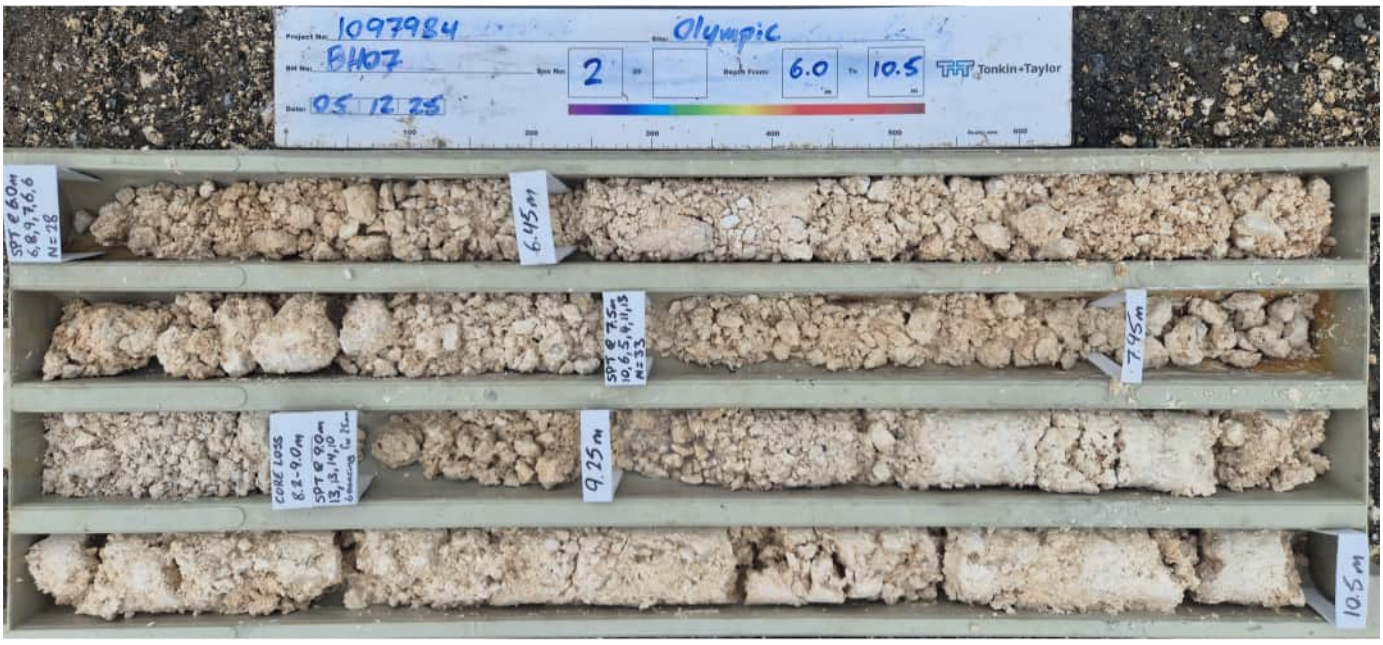
BOREHOLE No.: **BH07**

Hole Location: Olympic

PROJECT: EEETA	LOCATION: Port Vila	JOB No.: 1097984.1000.2000
CO-ORDINATES: 168.313028 (WGS84) -17.736012 R.L.: 4.00m DATUM: ELLIPSOID	DRILL TYPE: Trailer rig METHOD: Rotary cored	HOLE STARTED: 05/12/2025 HOLE FINISHED: 09/12/2025 DRILLED BY: Vanuatu Drilling LOGGED BY: COCU CHECKED: CRB



0.00-6.00m



6.00-10.50m

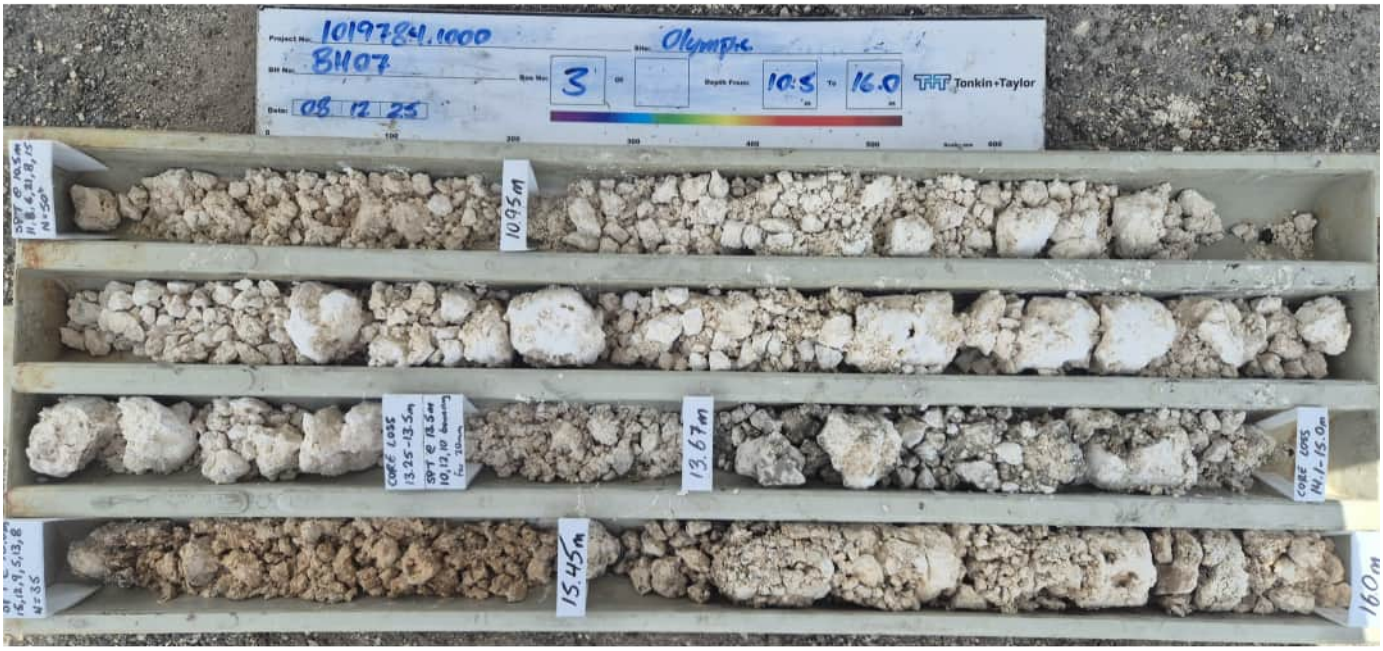
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CORE PHOTOS

BOREHOLE No.: **BH07**

Hole Location: Olympic

PROJECT: EEETA	LOCATION: Port Vila	JOB No.: 1097984.1000.2000
CO-ORDINATES: 168.313028 (WGS84) -17.736012 R.L.: 4.00m DATUM: ELLIPSOID	DRILL TYPE: Trailer rig METHOD: Rotary cored	HOLE STARTED: 05/12/2025 HOLE FINISHED: 09/12/2025 DRILLED BY: Vanuatu Drilling LOGGED BY: COCU CHECKED: CRB



10.50-16.00m



16.00-19.95m

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CORE PHOTOS

BOREHOLE No.: **BH07**

Hole Location: Olympic

PROJECT: EEETA	LOCATION: Port Vila	JOB No.: 1097984.1000.2000
CO-ORDINATES: 168.313028 (WGS84) -17.736012 R.L.: 4.00m DATUM: ELLIPSOID	DRILL TYPE: Trailer rig METHOD: Rotary cored	HOLE STARTED: 05/12/2025 HOLE FINISHED: 09/12/2025 DRILLED BY: Vanuatu Drilling LOGGED BY: COCU CHECKED: CRB



19.95-24.45m



24.45-28.95m

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CORE PHOTOS

BOREHOLE No.: **BH07**

Hole Location: Olympic

PROJECT: EEETA	LOCATION: Port Vila	JOB No.: 1097984.1000.2000
CO-ORDINATES: 168.313028 (WGS84) -17.736012 R.L.: 4.00m DATUM: ELLIPSOID	DRILL TYPE: Trailer rig METHOD: Rotary cored	HOLE STARTED: 05/12/2025 HOLE FINISHED: 09/12/2025 DRILLED BY: Vanuatu Drilling LOGGED BY: COCU CHECKED: CRB



28.95-31.50m

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