BOREHOLE LOG

Tonkin+Taylor

BOREHOLE No.: BH04A

SHEET: 1 OF 3

PROJECT: EEETA

JOB No.: 1097984.1000.2000

LOCATION: National Bank of Vanuatu

CO-ORDINATES: 168.31462600° (WGS84) -17.73783300°

DIRECTION: 180°

ANGLE FROM HORIZ.: -90°

R.L. GROUND: 5.30m

R.L. COLLAR:

DATUM: ELLIPSOID

SURVEY: Map or aerial photograph

DRILLED BY: Jono

LOGGED BY: COCU

CHECKED: CRB

START DATE: 15/12/2025

FINISH DATE: 15/12/2025

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:* Sandy fine to coarse GRAVEL; brown and white. Loosely packed, moist, poorly graded. Gravel, sub-angular, coral. [FILL]			HQTT	40		5	0									
	0.45m: Fine to coarse GRAVEL; white. Loosely packed, moist, poorly graded. Gravel, sub-rounded, Coral and shell fragments.																
	0.60m: CORE LOSS - Suspect washed out.																
	1.50m: Fine to coarse GRAVEL, some sand; light brown white. Loosely packed, moist, poorly graded. Gravel, sub-rounded to sub-angular, Coral and shell fragments.			HQTT	37		4	1									
Peri-reef Deposits	*2.05m:* CORE LOSS - Suspect washed out. [PERI-REEF DEPOSITS]						3	2									
	3.00m: Fine to coarse GRAVEL, some sand; white. Medium dense, moist, well graded. Gravel, sub-rounded to sub-angular, Coral and shell fragments.			SPT	100	11/9// 8/8/6/5 **N=27**	2	3					*3.00 - 3.45m:* PSD - 49% gravel, 46% sand and 5% fines				
	3.80 - 3.95m: COBBLES. Cobbles, up to 130mm, sub-angular, coral.																
	3.95m: CORE LOSS - Suspect washed out.			HQTT	48		1	4									
	4.50m: Cobbly fine to coarse GRAVEL, some sand; white. Tightly packed, moist, well graded. Gravel, sub-angular, Coral and shell fragments; cobbles, up to 120mm. Calcite cement.						0	5									
	4.95m: CORE LOSS - Suspect washed out.			HQTT	30												
	4.95 - 6.00m: Cuttings are light brownish white, sand comprising coral.																
	6.00m: Sandy fine to coarse GRAVEL; white. Loose, moist, well graded. Gravel, sub-rounded, Coral and shell fragments.			SPT	100	3/2// 2/2/2/3 **N=9**	-1	6									
	6.45m: CORE LOSS - Suspect washed out.			HQTT	0												
	6.45 - 7.50m: Cuttings are light brownish white, sand comprising coral.						-2	7									
	7.50m: Fine to coarse GRAVEL, minor sand, trace silt; brown and white. Loosely packed, moist, poorly graded. Gravel, rounded, Coral and shell fragments.																
	7.80m: CORE LOSS - Suspect washed out.			HQTT	20		-3	8									
	7.80 - 9.00m: Cuttings are brown sand and coral.																
	9.00m: Gravelly fine to coarse SAND, some silt, trace organics; brownish grey speckled white. Medium dense, moist, well graded; gravel, fine to coarse, rounded, Coral and shell fragments; organics, wood fragments.			SPT	100	3/5// 5/2/2/2 **N=11**	-4	9					*9.00 - 9.45m:* PSD - 39% gravel, 39% sand and 22% fines				Box 0.00-9.45m
	9.70m: CORE LOSS - Suspect washed out.			HQTT	24												

COMMENTS: 1. Minimal water circulation the entire depth of borehole.

Hole Depth 21m

Scale 1:50

Rev.: A

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BOREHOLE LOG

Tonkin+Taylor

BOREHOLE No.: BH04A

SHEET: 2 OF 3

PROJECT: EEETA

JOB No.: 1097984.1000.2000

LOCATION: National Bank of Vanuatu

CO-ORDINATES: 168.31462600° (WGS84) -17.73783300°

DIRECTION: 180°

ANGLE FROM HORIZ.: -90°

R.L. GROUND: 5.30m

R.L. COLLAR:

DATUM: ELLIPSOID

SURVEY: Map or aerial photograph

DRILLED BY: Jono

LOGGED BY: COCU

CHECKED: CRB

START DATE: 15/12/2025

FINISH DATE: 15/12/2025

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
Peri-reef Deposits	[CONT] *9.70m:* CORE LOSS - Suspect washed out.			HQTT	24		-5	11									
	10.50m: Gravelly fine to coarse SAND, trace organics; brownish grey speckled white. Loosely packed, moist, well graded; gravel, fine to coarse, rounded, Coral and shell fragments; organics, wood fragments.																
	10.80m: Sandy fine to coarse GRAVEL, trace silt; light brownish white. Loosely packed, moist, well graded. Gravel, sub-rounded, Coral and shell fragments.			HQTT	33		-6										
	11.00m: CORE LOSS - Suspect washed out.							12									
	12.00m: Fine to coarse GRAVEL, some sand, trace silt; brownish orange. Very dense, moist, poorly graded. Gravel, sub-angular, Coral and shell fragments.			SPT	100	5/8// 8/9/23/10 for 35mm **N>=50**	-7										
	12.75m: CORE LOSS - Suspect washed out.			HQTT	31		-8	13									
	13.50m: Cobbly coarse GRAVEL; white and brown. Tightly packed, moist. Gravel, sub-angular, Coral; cobbles, up to 100mm.																
	13.80m: CORE LOSS - Obstruction (recovered) in front of barrel.			HQTT	20		-9	14									
	13.80 - 15.00m: Cuttings are brown sand and coral.																
	15.00m: Fine to coarse GRAVEL, some sand, trace silt; brownish grey. Very dense, moist, poorly graded. Gravel, sub-angular, Coral and shell fragments.			SPT	100	3/5// 8/11/15/16 for 35mm **N>=50** Bouncing	-10	15									
	15.70m: Cobbly coarse GRAVEL; white. Tightly packed, moist. Gravel, sub-angular, Coral; cobbles, up to 90mm.			HQTT	50		-11										
	15.95m: CORE LOSS - Obstruction (recovered) in front of barrel.							16									
Reef Limestone Formation	*16.50m:* Slightly weathered, white and brown, LIMESTONE. Very weak, well cemented, coarse grained. [REEF LIMESTONE FORMATION]			HQTT	67		-12										
	17.50m: CORE LOSS - Obstruction (recovered) in front of barrel.							17									
	18.00m: Slightly weathered, light brownish white, LIMESTONE. Very weak, well cemented, coarse grained. Recovered as: cobbly coarse GRAVEL; light brownish white. Tightly packed, moist. Gravel, sub-angular, Coral; cobbles, up to 100mm.						-13	18									
	18.50m: CORE LOSS - Obstruction (recovered) in front of barrel.			HQTT	33												
	19.50m: Slightly weathered, light brownish white, LIMESTONE. Very weak, well cemented, coarse grained. Recovered as: cobbly coarse GRAVEL; light brownish white. Tightly packed,			HQTT	33		-14	19									Box 9.45-18.00m

COMMENTS: 1. Minimal water circulation the entire depth of borehole.

Hole Depth 21m

Scale 1:50

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BOREHOLE LOG

BOREHOLE No.: BH04A

SHEET: 3 OF 3

PROJECT: EEETA

JOB No.: 1097984.1000.2000

LOCATION: National Bank of Vanuatu

CO-ORDINATES: 168.31462600° (WGS84) -17.73783300°

DIRECTION: 180°

ANGLE FROM HORIZ.: -90°

R.L. GROUND: 5.30m

R.L. COLLAR:

DATUM: ELLIPSOID

SURVEY: Map or aerial photograph

DRILLED BY: Jono

LOGGED BY: COCU

CHECKED: CRB

START DATE: 15/12/2025

FINISH DATE: 15/12/2025

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 HW DW 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
Reef Limestone Formation	moist. Gravel, sub-angular, Coral; cobbles, up to 100mm.			HQTT	33		-15	21									Box 18.00-21.00m
	20.00m: CORE LOSS - Suspect material dropped out of barrel.																
	21m: END OF BOREHOLE						-16	22									
							-17	23									
							-18	24									
							-19	25									
							-20	26									
							-21	27									
							-22	28									
							-23	29									
							-24										

COMMENTS: 1. Minimal water circulation the entire depth of borehole.

Hole Depth 21m

Scale 1:50

Rev.: A

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CORE PHOTOS

BOREHOLE No.: **BH04A**

Hole Location: National Bank of Vanuatu

PROJECT: EEETA	LOCATION: Port Vila	JOB No.: 1097984.1000.2000
CO-ORDINATES: 168.314626 (WGS84) -17.7378330 R.L.: 5.30m DATUM: ELLIPSOID	DRILL TYPE: Trailer rig METHOD: Rotary cored	HOLE STARTED: 15/12/2025 HOLE FINISHED: 15/12/2025 DRILLED BY: Vanuatu Drilling LOGGED BY: COCU CHECKED: CRB



0.00-9.45m



9.45-18.00m

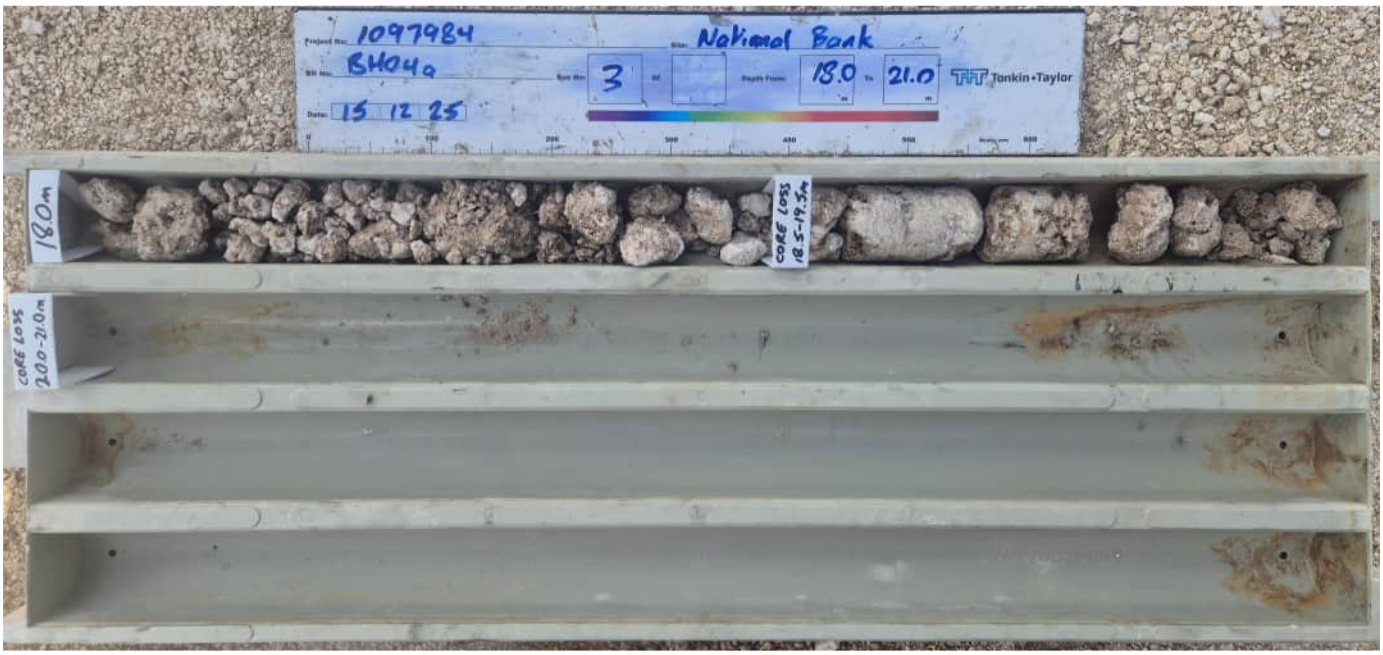
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CORE PHOTOS

BOREHOLE No.: **BH04A**

Hole Location: National Bank of Vanuatu

PROJECT: EEETA	LOCATION: Port Vila	JOB No.: 1097984.1000.2000
CO-ORDINATES: 168.314626 (WGS84) -17.7378330 R.L.: 5.30m DATUM: ELLIPSOID	DRILL TYPE: Trailer rig METHOD: Rotary cored	HOLE STARTED: 15/12/2025 HOLE FINISHED: 15/12/2025 DRILLED BY: Vanuatu Drilling LOGGED BY: COCU CHECKED: CRB



18.00-21.00m

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