

APPENDIX B

Geophysical Logs

PROJECT: Tomlinson Brechin Boreholes

GEOPHYSICAL LOG OF: MW-1 (Summary)

SHEET 1 OF 2

LOCATION: N 4939121.7 ;E 651592.4

DRILLING DATE: Aug. 11-12, 2004

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Longyear 38

DRILLING CONTRACTOR: Marathon Drilling Ltd.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION MW-1	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
0		GROUND SURFACE		249.65						
0		Overburden, 0.0 m to 0.1 m Bedrock Surface, 0.1 m BOBCAYGEON FORMATION, 0.1 m to 26.1 m UNIT 4, 0.1 m to 3.8 m Fresh, medium brownish grey, fine to medium grained, non-porous, thinly to thickly bedded ARGILLACEOUS to SHALEY NODULAR MICRITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		245.85 3.80						
5		UNIT 3, 3.8 m to 15.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.								
15		UNIT 2, 15.0 m to 19.9 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		234.65 15.00						
20		UNIT 1, 19.9 m to 26.1 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR MICRITIC LIMESTONE . Sharp basal contact.		229.75 19.90						
25		GULL RIVER FORMATION, 26.1 m to 45.1 m UNIT 4, 26.1 m to 31.6 m Fresh, creamy light grey to creamy white, very fine grained porcelaneous, non-porous, stylonitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylonitic bedding partings. Sharp basal contact marked by dark grey laminated shale. Gamma spike associated with soft weathered grey clay parting at 26.6-8m. Sharp basal contact.		223.55 26.10 26.80						
30		UNIT 3, 31.6 m to 35.6 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylonitic, medium to thickly bedded DOLOSTONE with shaley cap, The Green Beds .		218.05 31.60						
35		UNIT 2, 35.6 m to 38.9 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylonitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		214.05 35.60						
40				210.75 38.90 209.80						
		CONTINUED NEXT PAGE								

OTTAWA-GEO. TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM



DEPTH SCALE
1 : 200

LOGGED: RDB
CHECKED: KAM

PROJECT: Tomlinson Brechin Boreholes

GEOPHYSICAL LOG OF: MW-1 (Summary)

SHEET 2 OF 2

LOCATION: N 4939121.7 ;E 651592.4

DRILLING DATE: Aug. 11-12, 2004

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Longyear 38

DRILLING CONTRACTOR: Marathon Drilling Ltd.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION MW-1	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
		--- CONTINUED FROM PREVIOUS PAGE ---								
40		<p>UNIT 1, 38.9 m to 45.1 m Fresh, light to medium greenish grey to brown, fine to medium grained crystalline with 0.1-0.5 mm disseminated quartz grains, faintly to moderately porous, saccharoidal textured, weakly developed stylolites, medium bedded DOLOSTONE and CALCAREOUS DOLOSTONE. Shale to shaley dolostone cap at top contact. Soft white marl at 39.85-.92m and weathered clayey black shale at 41.83-.86m. Transitional contact with underlying sandstone.</p> <p>SHADOW LAKE FORMATION, 45.1 m to 53.5 m</p> <p>Fresh to moderately weathered, light grey to light to medium greenish grey, fine grained, moderately porous, friable, thickly bedded QUARTZ SANDSTONE with sericitic matrix overlying dark reddish brown to green, slake susceptible SILTSTONE and RED SHALE (47.7-51.3m) overlying reddish brown, fine to medium grained, moderately porous, medium bedded ARKOSIC SANDSTONE with scattered angular pebbles of feldspar crystals and locally with basal feldspathic PEBBLE CONGLOMERATE.</p> <p>PRECAMBRIAN BASEMENT, 53.5 m to 59.9 m</p> <p>Faintly weathered to fresh, pinkish grey, medium grained QUARTZ FELDSPAR GNEISS with minor biotite.</p>								
			39.92							
			207.82							
			41.86							
			204.55							
45				45.10						
				201.95						
				47.70						
50				198.35						
				51.30						
				196.15						
				53.50						
55				189.75						
				59.90						
60		End of Borehole, 59.9 m								
		Note(s):								
		1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.								
65										
70										
75										
80										

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: RDB

CHECKED: KAM

PROJECT: Tomlinson Brechin Boreholes

GEOPHYSICAL LOG OF: MW-2 (Summary)

SHEET 1 OF 2

LOCATION: N 4939749.9 ; E 651897.5

DRILLING DATE: Sep. 16, 2004

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Longyear 38

DRILLING CONTRACTOR: Marathon Drilling Ltd.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION MW-2
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		246.87 0.00									(A) (B)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to m UNIT 3, 0.0 m to 9.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		237.87 9.00									
		UNIT 2, 9.0 m to 13.7 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		233.17 13.70									
		UNIT 1, 13.7 m to 20.0 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		226.87 20.00									
		GULL RIVER FORMATION, 20.0 m to 35.5 m UNIT 4, 20.0 m to 25.4 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylonitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylonitic bedding partings. Gamma spike associated with grey shaley parting at 21.10-20 m. Sharp basal contact marked by dark grey laminated shale.		225.77 21.20									
		UNIT 3, 25.4 m to 28.9 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylonitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds.		221.47 25.40									
		UNIT 2, 28.9 m to 32.7 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylonitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		217.97 28.90									
		UNIT 1, 32.7 m to 33.55 m Fresh, light to medium greenish grey to brown, fine to medium grained crystalline, saccharoidal textured, weakly medium bedded DOLOSTONE with clay seam at 33.45-.55m.		214.17 32.70 32.80 33.55									
		UNIT 1, 33.7 m to 35.5 m Fresh, light to medium greenish grey to brown, fine to medium grained crystalline, saccharoidal textured, weakly medium bedded DOLOSTONE with clay seam at 33.45-.55m.		211.37 35.50									
		End of Borehole, 35.5 m											
		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb											
		CONTINUED NEXT PAGE											

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

DEPTH SCALE

1 : 200



LOGGED: RDB

CHECKED: KAM

PROJECT: Tomlinson Brechin Boreholes

GEOPHYSICAL LOG OF: MW-2 (Summary)

SHEET 2 OF 2

LOCATION: N 4939749.9 ;E 651897.5

DRILLING DATE: Sep. 16, 2004

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Longyear 38

DRILLING CONTRACTOR: Marathon Drilling Ltd.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION MW-2 (A) (B)
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
40		<p>--- CONTINUED FROM PREVIOUS PAGE ---</p> <p>2022 consistent with more recent interpretation work.</p>											
45													
50													
55													
60													
65													
70													
75													
80													

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: RDB

CHECKED: KAM

PROJECT: Tomlinson Brechin Boreholes

GEOPHYSICAL LOG OF: MW-3 (Summary)

SHEET 1 OF 2

LOCATION: N 4938298.2 ;E 651523.4

DRILLING DATE: Sep. 27, 2004

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Longyear 38

DRILLING CONTRACTOR: Marathon Drilling Ltd.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION MW-3 (A) (B)					
					GAMMA (cps)		CONDUCTIVITY (mS/m)							
					20	40	60	80		5	10	15	20	
0		GROUND SURFACE		247.79 0.00										
		Overburden, 0.0 m to 0.1 m Bedrock Surface, 0.1 m BOBCAYGEON FORMATION, 0.1 m to 27.3 m UNIT 4, 0.1 m to 5.1 m Fresh, medium brownish grey, fine to medium grained, non-porous, thinly to thickly bedded ARGILLACEOUS to SHALEY NODULAR MICRITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		242.69 5.10										
		UNIT 3, 4.9 m to 16.3 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		231.49 16.30										
		UNIT 2, 16.3 m to 21.1 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (16.26m) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE (17.55-20.10m) with basal thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE (20.10-21.10m).		226.69 21.10										
		UNIT 1, 21.1 m to 27.3 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR MICRITIC LIMESTONE . Sharp basal contact.		220.49 27.30										
		GULL RIVER FORMATION, 27.3 m to 46.2 m UNIT 4, 27.3 m to 32.6 m Fresh, creamy light grey to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey shaley parting at 27.9-28.0m. Sharp basal contact marked by dark grey laminated shale.		215.19 32.60										
		UNIT 3, 32.6 m to 36.2 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds.		211.59 36.20										
		UNIT 2, 36.2 m to 40.1 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled		207.69										
		CONTINUED NEXT PAGE												

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: RDB

CHECKED: KAM

PROJECT: Tomlinson Brechin Boreholes

GEOPHYSICAL LOG OF: MW-3 (Summary)

SHEET 2 OF 2

LOCATION: N 4938298.2 ;E 651523.4

DRILLING DATE: Sep. 27, 2004

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Longyear 38

DRILLING CONTRACTOR: Marathon Drilling Ltd.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION				
					GAMMA (cps)		CONDUCTIVITY (mS/m)						
					20	40	60	80		5	10	15	20
		--- CONTINUED FROM PREVIOUS PAGE ---											
40		dolostone.		40.10									
		UNIT 1, 40.1 m to 46.2 m Fresh, light to medium greenish grey to brown, fine to medium grained crystalline with 0.1-0.5 mm disseminated quartz grains, faintly to moderately porous, saccharoidal textured, weakly developed stylolites, medium bedded DOLOSTONE and CALCAREOUS DOLOSTONE and shaley dolostone cap at top contact. Open weathered shaley partings at 40.12-.13m and 40.55-.56m. Soft white marl lamination at 41.46-.47m. Transitional contact with underlying sandstone.		40.13									
				40.55									
				41.47									
45		SHADOW LAKE FORMATION, 46.2 m to 54.9 m Fresh to moderately weathered, light grey to light to medium greenish grey, fine grained, moderately porous, friable, thickly bedded QUARTZ SANDSTONE with sericitic matrix overlying dark reddish brown, slake susceptible GREEN SILTSTONE and SHALE (49.7-52.5m) overlying reddish brown, fine to medium grained, moderately porous, medium bedded ARKOSIC SANDSTONE with scattered angular pebbles of feldspar crystals and locally with basal feldspathic PEBBLE CONGLOMERATE .		201.59									
				46.20									
50		PRECAMBRIAN BASEMENT, 54.9 m to 58.4 m Faintly weathered to fresh, pinkish grey, medium grained QUARTZ FELDSPAR GNEISS with minor biotite.		198.09									
				49.70									
				195.29									
				52.50									
55				192.89									
				54.90									
60		End of Borehole, 58.4 m		189.39									
				58.40									
65		Note(s):											
		1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											

PIEZOMETER OR STANDPIPE INSTALLATION
MW-3



OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: RDB

CHECKED: KAM

PROJECT: Tomlinson Brechin Boreholes

GEOPHYSICAL LOG OF: MW-4 (Summary)

SHEET 1 OF 1

LOCATION: N 4939830.4 ;E 650784.6

DRILLING DATE: Sep. 27, 2004

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Longyear 38

DRILLING CONTRACTOR: Marathon Drilling Ltd.

DEPTH SCALE METRES	DRILLING RECORD	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION	
				20	40	60	80	5	10	15	20		
				MW-4									
0	GROUND SURFACE		237.41									(A)	(B)
	Overburden, 0.0 m to 3.4 m		0.00										
	Bedrock Surface, 3.4 m		234.01										
	BOBCAYGEON FORMATION, 3.4 m to 13.7 m		3.40										
	UNIT 2, 3.4 m to 7.7 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		229.71										
	UNIT 1, 7.7 m to 13.7 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		223.71										
	GULL RIVER FORMATION, 13.7 m to 32.3 m		13.70										
	UNIT 4, 13.7 m to 19.1 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with soft, light grey clay and weathered shale at 14.2-.30 m. Sharp basal contact marked by dark grey laminated shale.		14.30										
	UNIT 3, 19.1 m to 23.1 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap, The Green Beds . Soft white marl layer at 19.8m where driller reported open cavity.		218.31										
	UNIT 2, 23.1 m to 27.1 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		19.10										
	UNIT 1, 27.1 m to 32.3 m Fresh, light to medium greenish grey to brown, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, medium bedded DOLOSTONE and CALCAREOUS DOLOSTONE . Open weathered shale parting at 29.3m. Transitional basal contact.		214.31										
	SHADOW LAKE FORMATION, 32.3 m to 35.5 m		23.10										
	Fresh to moderately weathered, light grey, fine grained, moderately porous, friable, thickly bedded SILTSTONE and QUARTZ SANDSTONE with GREEN SHALE at 35.2-35.5m.		210.31										
	End of Borehole, 35.5 m		208.11										
	Note(s):		29.30										
	1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.		205.11										
			32.30										
			202.21										
			201.91										
			35.50										

Open Borehole

Well B constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: RDB

CHECKED: KAM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION
					20	40	60	80	5	10	15	20	
					GEOPHYSICAL RECORD								
0		GROUND SURFACE		254.88									(C)(B) (A)
		Bedrock Surface, 0.0 m VERULAM FORMATION, 0.0 m to 6.5 m Moderately to highly weathered on shaley bedding partings in upper 1 m to 4 m, fresh, very thinly to thinly interbedded medium brownish grey, fine grained crystalline, non-porous SHALEY NODULAR MICRITIC to CALCARENITIC LIMESTONE with medium grey, slake susceptible SHALE . Transitional basal contact.		0.00									
		BOBCAYGEON FORMATION, 6.5 m to 33.1 m UNIT 4, 6.5 m to 10.8 m Fresh, medium brownish grey, fine to medium grained, non-porous, thinly to thickly bedded ARGILLACEOUS to SHALEY NODULAR MICRITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		248.38									
		UNIT 3, 10.6 m to 21.5 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		244.08									
		UNIT 2, 21.5 m to 26.9 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (21.5-22.9) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE (22.9-25.9m) with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE (25.9-26.9).		233.38									
		UNIT 1, 26.9 m to 33.1 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds.		227.98									
		End of Borehole, 33.1 m		221.78									
35		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.		33.10									

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
0		GROUND SURFACE		250.08						(C)(B) (A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 27.0 m UNIT 4, 0.0 m to 4.8 m Fresh, medium brownish grey, fine to medium grained, non-porous, thinly to thickly bedded ARGILLACEOUS to SHALEY NODULAR MICRITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00						Sand
5		UNIT 3, 4.8 m to 16.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		245.28 4.80						Bentonite Seal
10										Sand
15										Bentonite Seal
20		UNIT 2, 16.0 m to 20.9 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-6m) overlying thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		234.08 16.00						
25		UNIT 1, 20.9 m to 27.0 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		229.18 20.90						
30		GULL RIVER FORMATION, 27.0 m to 31.8 m UNIT 4, 27.0 m to 31.8 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylonitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with fine argillaceous to stylonitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 27.7 m.		223.08 27.00 27.70						Sand
35		End of Borehole, 31.8 m Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.		218.28 31.80						A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen. Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION		
					GAMMA (cps)		CONDUCTIVITY (mS/m)				
					20	40	60	80		5	10
0		GROUND SURFACE		242.84						(C)(B)	(A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 20.2 m UNIT 3, 0.0 m to 9.5 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00						Sand	
5				233.34						Bentonite Seal	
10		UNIT 2, 9.5 m to 14.2 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (9.5-10.8m) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (9.8-12.1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE (12.1-14.2m).		9.50						Sand	Bentonite Seal
15		UNIT 1, 14.2 m to 20.2 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		14.20							
20		GULL RIVER FORMATION, 20.2 m to 33.3 m UNIT 4, 20.2 m to 25.6 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylonitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with fine argillaceous to stylonitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 20.9 m. Sharp basal contact marked by dark grey laminated shale.		20.20							
25				222.64							
		UNIT 3, 25.7 m to 29.5 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylonitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds.		20.90							
30		UNIT 2, 29.5 m to 33.3 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylonitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		217.24							
		End of Borehole, 33.3 m		25.60							
35		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.		213.34							
				29.50							
40				209.54							
				33.30							

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

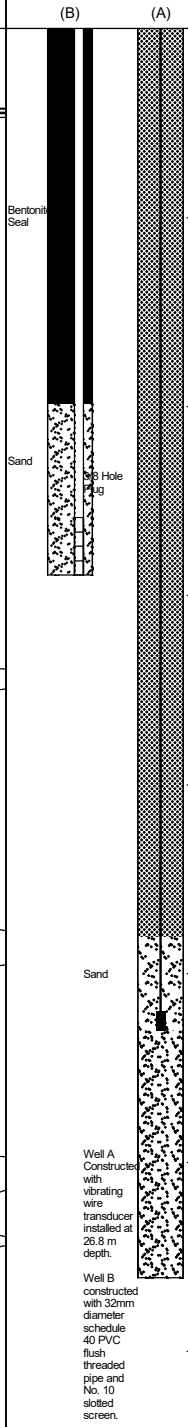
A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		247.30									(C)(B) (A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 21.1 m UNIT 3, 0.0 m to 10.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00									Sand Bentonite Seal
10		UNIT 2, 10.0 m to 14.8 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		237.30 10.00									Sand Bentonite Seal
15		UNIT 1, 14.8 m to 21.1 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		232.50 14.80									
20		GULL RIVER FORMATION, 21.1 m to 31.9 m UNIT 4, 21.1 m to 26.5 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 21.8 m. Sharp basal contact marked by dark grey laminated shale.		226.20 21.10 21.80									
25		UNIT 3, 26.5 m to 30.1 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds.		220.80 26.50									Sand
30		UNIT 2, 30.3 m to 31.9 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		217.20 30.10 215.40 31.90									A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen. Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.
35		End of Borehole, 31.9 m											
40		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION	
					20	40	60	80	5	10	15	20	(B)	(A)
0		GROUND SURFACE		240.71										
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 16.5 m UNIT 3, 0.0 m to 5.6 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00										
5		UNIT 2, 5.6 m to 10.5 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE.		235.11										
		UNIT 1, 10.5 m to 16.5 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		230.21										
10				230.21										
		GULL RIVER FORMATION, 16.5 m to 33.1 m UNIT 4, 16.5 m to 21.7 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 17.0 m. Sharp basal contact marked by dark grey laminated shale.		224.21										
		UNIT 3, 21.7 m to 26.0 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap, The Green Beds.		219.01										
		UNIT 2, 26.0 m to 30.0 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		217.00										
20				217.00										
		UNIT 1, 30.0 m to 33.1 m Fresh, light to medium greenish grey to brown, fine to medium grained crystalline with 0.1-0.5 mm disseminated quartz grains, faintly to moderately porous, saccharoidal textured, weakly developed stylolites, medium bedded DOLOSTONE and CALCAREOUS DOLOSTONE. Shale to shaley dolostone cap at top contact.		214.71										
25				214.71										
		End of Borehole, 33.1 m		210.71										
30				210.71										
				207.61										
35				207.61										
40				33.10										



PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: OW-5C

SHEET 1 OF 1

LOCATION: N 4939683.0 ; E 651257.0

DRILLING DATE: Jan. 2011

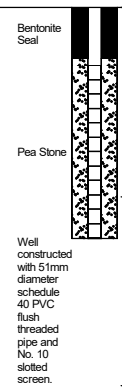
DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		240.71									
		Overburden, 0.0 m to 0.3 m	XXXX	0.00									
		Bedrock Surface, 0.3 m		0.30									
		BOBCAYGEON FORMATION, 0.3 m to 6.1 m											
		UNIT 3, 0.3 m to 5.5 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		235.21									
5		UNIT 2, 5.5 m to 6.1 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE.		234.89									
		End of Borehole, 6.1 m		6.10									
		Note(s):											
10		1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes.											
		2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											
15													
20													
25													
30													
35													
40													



OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		243.25									(C)(B) (A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 16.5 m UNIT 3, 0.0 m to 7.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00									Sand
		UNIT 2, 7.0 m to 10.5 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE.		236.25									Bentonite Seal
		UNIT 1, 10.5 m to 16.5 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		232.75									Sand
		GULL RIVER FORMATION, 16.5 m to 33.4 m UNIT 4, 16.5 m to 22.0 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 17.3 m. Sharp basal contact marked by dark grey laminated shale.		226.75									Bentonite Seal
		UNIT 3, 22.0 m to 26.0 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap, The Green Beds.		225.95									
		UNIT 2, 26.0 m to 30.0 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		221.25									
		UNIT 1, 30.0 m to 33.4 m Fresh, light to medium greenish grey to brown, fine to medium grained crystalline with 0.1-0.5 mm disseminated quartz grains, faintly to moderately porous, saccharoidal textured, weakly developed stylolites, medium bedded DOLOSTONE and CALCAREOUS DOLOSTONE. Shale to shaley dolostone cap at top contact.		217.25									
		End of Borehole, 33.4 m		213.25									
		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.		209.85									
				33.40									Sand

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

PROJECT: Tomlinson Brechin Boreholes

GEOPHYSICAL LOG OF: OW-6C (Replacement)

SHEET 1 OF 1

LOCATION: N 4939956.0 ; E 651482.0



DRILLING DATE: Jan. 2011

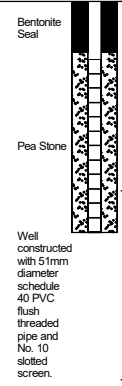
DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		243.25									
		Overburden, 0.0 m to 0.6 m		0.00									
		Bedrock Surface, 0.6 m		0.60									
		BOBCAYGEON FORMATION, 0.6 m to 6.1 m											
5		UNIT 3, 0.6 m to 6.1 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings.		237.15									
		End of Borehole, 6.1 m		6.10									
10		Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											



OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
0		GROUND SURFACE		246.67						(C)(B) (A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 18.1 m UNIT 3, 0.0 m to 6.8 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00						Sand
		UNIT 2, 6.8 m to 11.8 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		239.87 6.80						Bentonite Seal
		UNIT 1, 11.8 m to 18.1 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		234.87 11.80						Sand Bentonite Seal
		GULL RIVER FORMATION, 18.1 m to 31.8 m UNIT 4, 18.1 m to 23.5 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 18.5 m. Sharp basal contact marked by dark grey laminated shale.		228.57 18.10 18.50						
		UNIT 3, 23.5 m to 27.5 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds .		223.17 23.50						
		UNIT 2, 27.5 m to 31.0 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		219.17 27.50						Sand
		UNIT 1, 31.0 m to 31.8 m Fresh, greenish grey to brown, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, medium bedded DOLOSTONE and CALCAREOUS DOLOSTONE . Shale to shaley dolostone cap at top contact. End of Borehole, 31.8 m		215.67 31.00 214.87 31.80						
		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.								A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen. Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
0		GROUND SURFACE		246.07						(C)(B) (A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 18.4 m UNIT 3, 0.0 m to 7.1 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00						Sand
		UNIT 2, 7.1 m to 12.1 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		238.97 7.10						Bentonite Seal
		UNIT 1, 12.1 m to 18.4 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		233.97 12.10						Sand Bentonite
		GULL RIVER FORMATION, 18.4 m to 33.45 m UNIT 4, 18.4 m to 23.8 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 18.9 m. Sharp basal contact marked by dark grey laminated shale.		227.67 18.40 18.90						
		UNIT 3, 23.8 m to 28.0 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds.		222.27 23.80						
		UNIT 2, 28.0 m to 31.9 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		218.07 28.00						
		UNIT 1, 31.9 m to 33.5 m Fresh, light to medium greenish grey to brown, fine to medium grained crystalline, medium bedded DOLOSTONE with shaley cap.		214.17 31.90						
		End of Borehole, 33.5 m		212.57 33.50						Sand
		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.								A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen. Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
0		GROUND SURFACE		243.25						(C)(B) (A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 21.1 m UNIT 3, 0.0 m to 10.5 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00						Sand Bentonite Seal
		UNIT 2, 10.5 m to 15.5 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		232.75 10.50						Sand Bentonite
		UNIT 1, 15.5 m to 21.1 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		227.75 15.50						
		GULL RIVER FORMATION, 21.1 m to 32.4 m UNIT 4, 21.1 m to 26.5 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 22.0 m. Sharp basal contact marked by dark grey laminated shale.		222.15 21.10 221.25 22.00						
		UNIT 3, 26.5 m to 30.0 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds.		216.75 26.50						Sand
		UNIT 2, 30.0 m to 32.4 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		213.25 30.00						Screen A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.
		End of Borehole, 32.4 m		210.85 32.40						Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.
		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.								

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
0		GROUND SURFACE		249.08						(C)(B) (A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 26.2 m UNIT 4, 0.0 m to 4.0 m Fresh, medium brownish grey, fine to medium grained, non-porous, thinly to thickly bedded ARGILLACEOUS to SHALEY NODULAR MICRITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact. UNIT 3, 4.0 m to 15.1 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		245.08 4.00						Sand Bentonite Seal Sand Bentonite Seal
		UNIT 2, 15.1 m to 19.9 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (15.1-16.5m) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE (16.5-18.9m) with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE (18.9-19.9m).		233.98 15.10						
		UNIT 1, 19.9 m to 26.2 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		229.18 19.90						
		GULL RIVER FORMATION, 26.2 m to 33.2 m UNIT 4, 26.2 m to 31.6 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylonitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylonitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 27.0 m. Sharp basal contact marked by dark grey laminated shale. UNIT 3, 31.6 m to 33.2 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, medium to thickly bedded DOLOSTONE with shaley cap, The Green Beds.		222.88 26.20 222.08 27.00						
		End of Borehole, 33.2 m		217.48 31.60						
		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.		215.88 33.20						

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A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.
Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION
					20	40	60	80	5	10	15	20	
					GEOPHYSICAL RECORD								
0		GROUND SURFACE		247.14									(C)(B) (A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 20.1 m UNIT 3, 0.0 m to 9.5 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00									Sand Bentonite Seal
10		UNIT 2, 9.5 m to 14.0 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		237.64									Sand Bentonite Seal
15		UNIT 1, 14.0 m to 16.5 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		233.14									
20		GULL RIVER FORMATION, 20.0 m to 32.9 m UNIT 4, 20.0 m to 25.5 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 20.7 m. Sharp basal contact marked by dark grey laminated shale.		227.04									
25		UNIT 3, 25.5 m to 29.0 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds .		221.64									
30		UNIT 2, 29.0 m to 32.9 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		218.14									
35		End of Borehole, 32.9 m		214.24									
40		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.		32.90									Sand A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen. Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

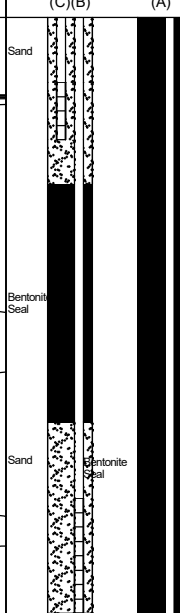
OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		247.14									(C)(B) (A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 20.0 m UNIT 3, 0.0 m to 9.2 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00									Sand Bentonite Seal
10		UNIT 2, 9.2 m to 13.9 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		237.94 9.20									Sand Bentonite Seal
15		UNIT 1, 13.9 m to 20.0 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		233.24 13.90									
20		GULL RIVER FORMATION, 20.0m to 33.6 m UNIT 4, 20.0 m to 25.4 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 20.5 m. Sharp basal contact marked by dark grey laminated shale.		227.14 20.00 20.50									
25		UNIT 3, 25.4 m to 29.4 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds .		221.74 25.40									
30		UNIT 2, 29.4 m to 33.3 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		217.74 29.40									
35		UNIT 1, 33.3 m to 33.6 m greenish grey DOLOSTONE with shale to shaley dolostone cap at top contact. End of Borehole, 33.6 m		213.84 33.60									
40		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen. Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

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DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION	
					20	40	60	80	5	10	15	20		
0		GROUND SURFACE		247.20									(C)(B)	(A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 20.1 m UNIT 3, 0.0 m to 9.5 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00									Sand	
		UNIT 2, 9.5 m to 14.0 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		237.70									Bentonite Seal	
		UNIT 1, 14.0 m to 20.1 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		233.20									Sand	
		GULL RIVER FORMATION, 20.1 m to 32.9 m UNIT 4, 20.1 m to 25.5 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 20.7 m. Sharp basal contact marked by dark grey laminated shale.		227.10										
		UNIT 3, 25.5 m to 29.5 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds .		221.70										
		UNIT 2, 29.5 m to 32.9 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		217.70										
		End of Borehole, 32.9 m		214.30										
		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.		32.90										

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A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION		
					GAMMA (cps)		CONDUCTIVITY (mS/m)				
					20	40	60	80		5	10
0		GROUND SURFACE		247.40						(C)(B)	(A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 22.2 m UNIT 3, 0.0 m to 9.2 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00						Sand	
5										Bentonite Seal	
10		UNIT 2, 9.2 m to 14.0 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		238.20						Sand	Bentonite Seal
15		UNIT 1, 14.0 m to 20.2 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		233.40							
20		GULL RIVER FORMATION, 20.2 m to 33.4 m UNIT 4, 20.2 m to 25.5 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 20.7 m. Sharp basal contact marked by dark grey laminated shale.		227.20							
25		UNIT 3, 25.5 m to 28.8 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds .		221.90							
30		UNIT 2, 28.8 m to 32.7 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		218.60							
35		UNIT 1, 32.7 m to 33.4 m Fresh, light greenish grey, fine to medium grained crystalline, medium bedded DOLOSTONE . End of Borehole, 33.4 m		214.70							
40		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.		33.40							

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A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION	
					20	40	60	80	5	10	15	20	(C)(B)	(A)
0		GROUND SURFACE		247.40									(C)(B)	(A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 20.1 m UNIT 3, 0.0 m to 9.2 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00										
		UNIT 2, 9.2 m to 14.0 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		238.20 9.20										
		UNIT 1, 14.0 m to 20.1 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		233.40 14.00										
		GULL RIVER FORMATION, 20.1 m to 33.8 m UNIT 4, 20.1 m to 25.6 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 20.7 m. Sharp basal contact marked by dark grey laminated shale.		227.30 20.10 20.70										
		UNIT 3, 25.7 m to 29.5 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds .		221.80										
		UNIT 2, 29.5 m to 33.5 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		217.90 29.50										
		UNIT 1, 32.7 m to 33.4 m Fresh, light greenish grey, fine to medium grained, medium bedded DOLOSTONE . End of Borehole, 33.8 m		213.90 33.80										
		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.												

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DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION
					20	40	60	80	5	10	15	20	
					GEOPHYSICAL RECORD								
0		GROUND SURFACE		247.55									(C)(B) (A)
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 20.1 m UNIT 3, 0.0 m to 9.5 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00									
		UNIT 2, 9.5 m to 14.0 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		238.05									
		UNIT 1, 14.0 m to 20.1 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		233.55									
		GULL RIVER FORMATION, 20.1 m to 33.5 m UNIT 4, 20.1 m to 25.5 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 20.7 m. Sharp basal contact marked by dark grey laminated shale.		227.45									
		UNIT 3, 25.5 m to 29.0 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds .		222.05									
		UNIT 2, 29.0 m to 32.9 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		218.55									
		UNIT 1, 32.9 m to 33.5 m greenish grey DOLOSTONE with shale to shaley dolostone cap at top contact.		214.65									
		End of Borehole, 33.5 m		33.50									
		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											

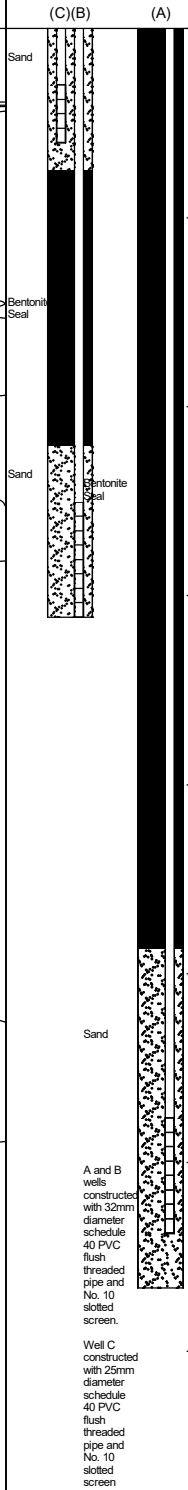
OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION		
					GAMMA (cps)		CONDUCTIVITY (mS/m)				
					20	40	60	80		5	10
0		GROUND SURFACE		248.06						(C)(B)	(A)
0		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 27.5 m UNIT 3, 0.0 m to 17.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00							
17.0		UNIT 2, 17.0 m to 21.4 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		231.06 17.00							
21.4		UNIT 1, 21.4 m to 27.5 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		226.66 21.40							
27.5		GULL RIVER FORMATION, 27.5 m to 32.8 m UNIT 4, 27.5 m to 32.8 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 28.1 m. Sharp basal contact marked by dark grey laminated shale.		220.56 27.50 28.10							
32.8		End of Borehole, 32.8 m		215.26 32.80							
35		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.									

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DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION			
					GAMMA (cps)		CONDUCTIVITY (mS/m)		(C)(B)	(A)		
					20	40	60	80			5	10
0		GROUND SURFACE		247.86								
0		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 27.0 m UNIT 3, 0.0 m to 16.2 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00								
5												
10												
15												
16.2		UNIT 2, 16.2 m to 21.0 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		231.66								
16.20				16.20								
20												
21.0		UNIT 1, 21.0 m to 27.0 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		226.86								
21.00				21.00								
25												
27.0		GULL RIVER FORMATION, 27.0 m to 33.3 m UNIT 4, 27.0 m to 32.4 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylonitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylonitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 28.0 m. Sharp basal contact marked by dark grey laminated shale.		220.86								
27.00				27.00								
28.0				219.86								
28.00				28.00								
30												
32.4		UNIT 3, 32.4 m to 33.3 m Fresh, greenish grey, fine to medium grained crystalline DOLOSTONE with shaley cap. The Green Beds . End of Borehole, 33.3 m		215.46								
32.40				32.40								
33.30				214.56								
33.30				33.30								
35												
40												

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DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
0		GROUND SURFACE		247.85						(C)(B) (A)
		Borehole OW-19 elev. 247.85 m Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 27.1 m UNIT 4, 0.0 m to 5.0 m Fresh, medium brownish grey, fine to medium grained, non-porous, thinly to thickly bedded ARGILLACEOUS to SHALEY NODULAR MICRITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00						Sand
5		UNIT 3, 5.0 m to 16.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		242.85						Bentonite Seal
				5.00						
10										
15										
20		UNIT 2, 16.0 m to 20.9 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		231.85						
				16.00						
25		UNIT 1, 20.9 m to 27.1 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		226.95						
				20.90						
30		GULL RIVER FORMATION, 27.1 m to 32.9 m UNIT 4, 27.1 m to 32.5 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 27.8 m. Sharp basal contact marked by dark grey laminated shale.		220.75						
				27.10						
35		UNIT 3, 32.5 m to 32.9 m Fresh, greenish grey, fine to medium grained crystalline DOLOSTONE with shaley cap. The Green Beds . End of Borehole, 32.9 m		215.35						
				32.50						
				32.90						
40		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.								

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION		
					GAMMA (cps)		CONDUCTIVITY (mS/m)				
					20	40	60	80		5	10
0		GROUND SURFACE		247.94						(C)(B)	(A)
0		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 26.9 m UNIT 3, 0.0 m to 16.2 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00						Sand	
5										Bentonite Seal	
10										Sand	
15											Bentonite Seal
16.2		UNIT 2, 16.2 m to 20.8 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		231.74							
20.8				16.20							
20.8		UNIT 1, 20.8 m to 26.9 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		227.14							
26.9				20.80							
26.9		GULL RIVER FORMATION, 26.9 m to 33.2 m UNIT 4, 26.9 m to 32.3 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 27.8 m. Sharp basal contact marked by dark grey laminated shale.		221.04							
32.3				26.90							
32.3		UNIT 3, 32.3 m to 33.2 m Fresh, greenish grey, fine to medium grained crystalline DOLOSTONE with shaley cap. The Green Beds . End of Borehole, 33.2 m		220.14							
33.2				27.80							
33.2				215.64							
33.2				32.30							
33.2				214.74							
33.2				33.20							
35		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.									
40											

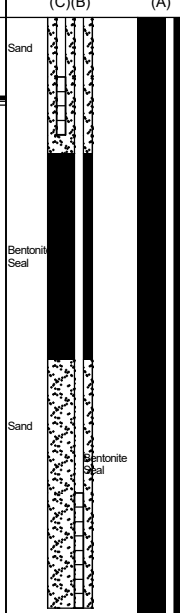
OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.
Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
0		GROUND SURFACE		247.92						(C)(B) (A)
0		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 26.8 m UNIT 3, 0.0 m to 16.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00						Sand Bentonite Seal Sand Bentonite Seal
16		UNIT 2, 16.0 m to 20.7 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		231.92 16.00						
20.7		UNIT 1, 20.7 m to 26.8 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		227.22 20.70						
26.8		GULL RIVER FORMATION, 26.8 m to 33.5 m UNIT 4, 26.8 m to 32.2 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 27.6 m. Sharp basal contact marked by dark grey laminated shale.		221.12 26.80 220.32 27.60						Sand
32.2		UNIT 3, 32.2 m to 33.5 m Fresh, greenish grey, fine to medium grained crystalline DOLOSTONE with shaley cap. The Green Beds . End of Borehole, 33.5 m		215.72 32.20 214.42 33.50						Sand
33.5		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.								A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen. Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION		
					GAMMA (cps)		CONDUCTIVITY (mS/m)				
					20	40	60	80		5	10
0		GROUND SURFACE		248.19						(C)(B)	(A)
0		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 27.1 m UNIT 3, 0.0 m to 16.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00							
5											
10											
15											
16				232.19							
16		UNIT 2, 16.0 m to 21.0 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		16.00							
20											
21				227.19							
21		UNIT 1, 21.0 m to 27.1 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		21.00							
25											
27				221.09							
27		GULL RIVER FORMATION, 27.1 m to 33.2 m UNIT 4, 27.1 m to 32.5 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 27.7 m. Sharp basal contact marked by dark grey laminated shale.		27.10							
30											
32				215.69							
32		UNIT 3, 32.5 m to 33.2 m Fresh, greenish grey, fine to medium grained crystalline DOLOSTONE with shaley cap. The Green Beds. End of Borehole, 33.2 m		33.20							
35											
35		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.									
40											

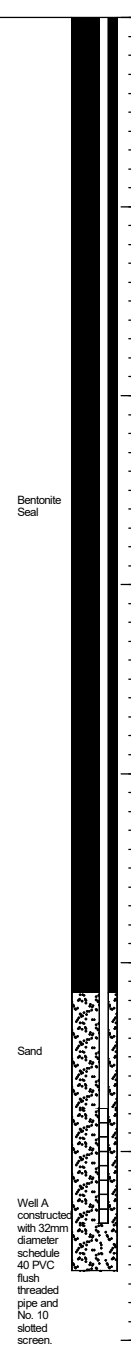


A and B wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

Well C constructed with 25mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		249.84 0.00									
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 26.0 m UNIT 4, 0.0 m to 4.0 m Fresh, medium brownish grey, fine to medium grained, non-porous, thinly to thickly bedded ARGILLACEOUS to SHALEY NODULAR MICRITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		245.84 4.00									
5		UNIT 3, 4.0 m to 15.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		234.84 15.00									
15		UNIT 2, 15.0 m to 20.0 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		229.84 20.00									
20		UNIT 1, 20.0 m to 26.0 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		223.84 26.00									
25		GULL RIVER FORMATION, 26.0 m to 33.2 m UNIT 4, 26.0 m to 31.4 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylonitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylonitic bedding partings. Sharp basal contact.		218.44 31.40									
30		UNIT 3, 31.4 m to 33.2 m Fresh, greenish grey, fine to medium grained crystalline DOLOSTONE with shaley cap. The Green Beds.		216.64 33.20									
35		End of Borehole, 33.2 m Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											



OTTAWA-GEO. TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 .JM

PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: OW-24

SHEET 1 OF 1

LOCATION: N 4939701.0 ; E 651651.0

DRILLING DATE: Dec. 2011

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		246.10									
		Overburden, 0.0 m to 0.6 m		0.00									<p>Bentonite Seal</p> <p>Pea Stone</p> <p>Well constructed with 51mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.</p>
		Bedrock Surface, 0.6 m		0.60									
		BOBCAYGEON FORMATION, 0.6 m to 6.1 m UNIT 3, 0.6 m to 6.1 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings.		240.00									
5		End of Borehole, 6.1 m		6.10									
10		Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											
15													
20													
25													
30													
35													
40													

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: OW-25

SHEET 1 OF 1

LOCATION: N 4939459.0 ; E 651404.0



DRILLING DATE: Dec. 2011

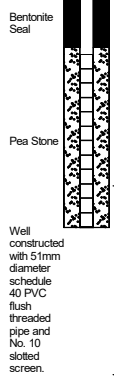
DATUM: Geodetic

INCLINATION: -90° AZIMUTH: --

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		246.04									
		Overburden, 0.0 m to 0.6 m		0.00									
		Bedrock Surface, 0.6 m		0.60									
		BOBCAYGEON FORMATION, 0.6 m to 6.1 m											
5		UNIT 3, 0.6 m to 6.1 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings.		239.94									
		End of Borehole, 6.1 m		6.10									
10		Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											



OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: OW-26

SHEET 1 OF 1

LOCATION: N 4939288.0 ; E 651466.0



DRILLING DATE: Dec. 2011

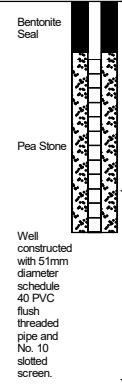
DATUM: Geodetic

INCLINATION: -90° AZIMUTH: --

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		245.68									
		Overburden, 0.0 m to 0.6 m		0.00									
		Bedrock Surface, 0.6 m		0.60									
		BOBCAYGEON FORMATION, 0.6 m to 6.1 m											
5		UNIT 3, 0.6 m to 6.1 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings.		239.58									
		End of Borehole, 6.1 m		6.10									
10		Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											



OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: OW-27

SHEET 1 OF 1

LOCATION: N 4939337.0 ; E 651614.0


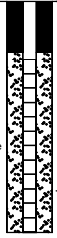


DRILLING DATE: Jan. 2011

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: --

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		246.24									
		Overburden, 0.0 m to 0.6 m		0.00									 <p>Bentonite Seal</p> <p>Pea Stone</p> <p>Well constructed with 51mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.</p>
		Bedrock Surface, 0.6 m		0.60									
		BOBCAYGEON FORMATION, 0.6 m to 6.1 m UNIT 3, 0.6 m to 6.1 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings.		240.14									
		End of Borehole, 6.1 m		6.10									
10		Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: OW-28

SHEET 1 OF 1

LOCATION: N 4939421.0 ; E 651873.0

DRILLING DATE: Dec. 2011

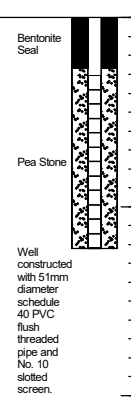
DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		247.18									
		Overburden, 0.0 m to 0.6 m	▨	0.00									
		Bedrock Surface, 0.6 m		0.60									
		BOBCAYGEON FORMATION, 0.6 m to 6.1 m	■										
5		UNIT 3, 0.6 m to 6.1 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		241.08									
		End of Borehole, 6.1 m		6.10									
10		Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											
15													
20													
25													
30													
35													
40													



OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

PROJECT: Tomlinson Brechin BoreholesTomlinson Brechin

GEOPHYSICAL LOG OF: OW-29AB

SHEET 2 OF 2

LOCATION: N 4939866.0 ;E 652063.0

DRILLING DATE: Jan. 2011

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
40		<p>--- CONTINUED FROM PREVIOUS PAGE ---</p> <p>lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.</p>											(B)(A)
45													
50													
55													
60													
65													
70													
75													
80													

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: OW-29CD

SHEET 1 OF 1

LOCATION: N 4939867.0 ; E 652058.0

DRILLING DATE: Jan. 2011

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		247.22									(D) (C)
		Peat Overburden, 0.0 m to 1.5 m		0.00									
		Bedrock Surface, 1.5 m BOBCAYGEON FORMATION, 1.5 m to 6.1 m UNIT 3, 1.5 m to 6.1 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings.		245.72 1.50									
5		End of Borehole, 6.1 m		241.12 6.10									<p>C and D wells constructed with 51mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.</p>
10		Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											
15													
20													
25													
30													
35													
40													

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM























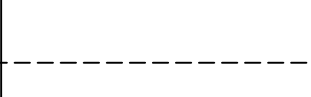
DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
0		GROUND SURFACE		247.28						(B)(A)
		Peat Overburden, 0.0 m to 2.4 m Bedrock Surface, 2.4 m BOBCAYGEON FORMATION, 2.4 m to 20.8 m UNIT 3, 2.4 m to 9.5 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		244.88 2.40						
5				237.78 9.50						
10		UNIT 2, 11.8 m to 16.6 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		232.58 14.70						
15		UNIT 1, 14.7 m to 20.8 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		226.48 20.80						
20		GULL RIVER FORMATION, 20.8 m to 37.5 m UNIT 4, 22.8 m to 26.2 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 21.5 m. Sharp basal contact marked by dark grey laminated shale.		221.08 26.20						
25		UNIT 3, 26.2 m to 30.2 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds.		217.08 30.20						
30		UNIT 2, 30.2 m to 34.5 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		212.78 34.50						
35		UNIT 1, 34.5 m to 37.5 m Fresh, greenish grey, fine to medium grained, medium bedded DOLOSTONE and CALCAREOUS DOLOSTONE with shaley dolostone cap.		209.78 37.50						
40		End of Borehole, 37.5 m Note(s): 1. The borehole record								
		CONTINUED NEXT PAGE								

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: OW-30AB

SHEET 2 OF 2

LOCATION: N 4939400.0 ; E 652147.0

DRILLING DATE: Jan. 2011

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
40		<p>--- CONTINUED FROM PREVIOUS PAGE ---</p> <p>lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.</p>										(B)(A)	
45													
50													
55													
60													
65													
70													
75													
80													

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: OW-30CD

SHEET 1 OF 1

LOCATION: N 4939867.0 ; E 652058.0

DRILLING DATE: Jan. 2011

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)				CONDUCTIVITY (mS/m)				(D)	(C)
					20	40	60	80	5	10	15	20		
0		GROUND SURFACE		247.20										
		Peat Overburden, 0.0 m to 2.4 m Bedrock Surface, 2.4 m BOBCAYGEON FORMATION, 2.4 m to 6.1 m UNIT 3, 1.5 m to 6.1 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings.		0.00 244.80 2.40										
5		End of Borehole, 6.1 m		241.10 6.10										
10		Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.												
15														
20														
25														
30														
35														
40														

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		247.35									(B)(A)
		Peat Overburden, 0.0 m to 1.5 m Bedrock Surface, 1.5 m BOBCAYGEON FORMATION, 1.5 m to 22.8 m UNIT 3, 1.5 m to 11.8 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00 245.85 1.50									Bentonite Slurry
		UNIT 2, 11.8 m to 16.6 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		235.55 11.80									
		UNIT 1, 16.6 m to 22.8 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		230.75 16.60									Pea Stone
		GULL RIVER FORMATION, 24.4 m to 37.2 m UNIT 4, 24.4 m to 28.2 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 23.5 m. Sharp basal contact marked by dark grey laminated shale.		224.55 22.80 23.50									Bentonite Seal
		UNIT 3, 28.2 m to 32.3 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds .		219.15 28.20									Pea Stone
		UNIT 2, 32.3 m to 36.8 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		215.05 32.30									Bentonite Seal
		UNIT 1, 36.8 m to 37.2 m Fresh, greenish grey, fine to medium grained, medium bedded DOLOSTONE and CALCAREOUS DOLOSTONE . End of Borehole, 37.2 m		210.55 36.80 37.20									A and B wells constructed with 51mm
		CONTINUED NEXT PAGE											

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

PROJECT: Tomlinson Brechin BoreholesTomlinson Brechin

GEOPHYSICAL LOG OF: OW-31AB

SHEET 2 OF 2

LOCATION: N 4939168.0 ;E 651862.0

DRILLING DATE: Jan. 2011

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
40		<p>--- CONTINUED FROM PREVIOUS PAGE ---</p> <p>Note(s):</p> <p>1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.</p>										(B)(A)	
45													
50													
55													
60													
65													
70													
75													
80													

diameter
schedule
40 PVC
flush
threaded
pipe and
No. 10
slotted
screen.

OTTAWA-GEO. TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: OW-31CD

SHEET 1 OF 1

LOCATION: N 4939171.0 ; E 651861.0

DRILLING DATE: Jan. 2011

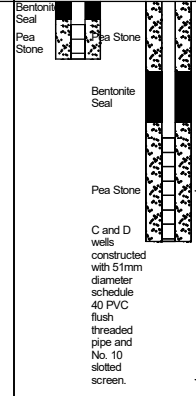
DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: Baldwin Drilling

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)				CONDUCTIVITY (mS/m)				(D)	(C)
					20	40	60	80	5	10	15	20		
0		GROUND SURFACE		247.28										
		Peat Overburden, 0.0 m to 1.5 m		0.00										
		Bedrock Surface, 1.5 m		245.78										
		BOBCAYGEON FORMATION, 1.5 m to 6.3 m		1.50										
		UNIT 3, 1.5 m to 6.1 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings.		240.98										
		End of Borehole, 6.3 m		6.30										
5		Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.												
10														
15														
20														
25														
30														
35														
40														



OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
0		GROUND SURFACE		237.00						(C)(B)(A) (D)
		Overburden, 0.0 m to 4.6 m sand and gravel, silty clay		0.00						
5		Bedrock Surface, 4.6 m BOBCAYGEON FORMATION, 4.6 m to 10.6 m UNIT 1, 4.6 m to 10.6 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		232.40 4.60						
10		GULL RIVER FORMATION, 10.6 m to 29.0 m UNIT 4, 10.6 m to 16.0 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 11.2 m. Sharp basal contact marked by dark grey laminated shale.		226.40 10.60 11.20						
15		UNIT 3, 16.0 m to 20.0 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap, The Green Beds .		221.00 16.00						
20		UNIT 2, 20.0 m to 24.4 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		217.00 20.00						
25		UNIT 1, 24.4 m to 29.0 m Fresh, light to medium greenish grey to brown, fine to medium grained crystalline with 0.1-0.5 mm disseminated quartz grains, faintly to moderately porous, saccharoidal textured, weakly developed stylolites, medium bedded DOLOSTONE and CALCAREOUS DOLOSTONE . Shale to shaley dolostone cap at top contact. Transitional contact with underlying sandstone.		212.60 24.40						
30		SHADOW LAKE FORMATION, 29.0 m to 39.0 m Fresh to moderately weathered, light grey to light to medium greenish grey, fine grained, moderately porous, friable, thickly bedded QUARTZ SANDSTONE with sericitic matrix overlying dark reddish brown, slake susceptible RED SHALE overlying reddish brown, fine to medium grained, moderately porous, medium bedded ARKOSIC SANDSTONE with scattered angular pebbles of feldspar crystals and locally with basal feldspathic PEBBLE CONGLOMERATE .		208.00 29.00						
35				198.00 39.00						
40		CONTINUED NEXT PAGE								

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: OW-32

SHEET 2 OF 2

LOCATION: N 4939296.0 ; E 650275.0

DRILLING DATE: Jul 2010

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Air Rotary

DRILLING CONTRACTOR: AWWW

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION	
					20	40	60	80	5	10	15	20		
40		<p>--- CONTINUED FROM PREVIOUS PAGE ---</p> <p>PRECAMBRIAN BASEMENT, 39.0 m to 47.9 m Faintly weathered to fresh, pinkish grey, medium grained QUARTZ FELDSPAR GNEISS with minor biotite.</p>											(C)(B)(A) (D)	
45														
50		<p>End of Borehole, 47.9 m</p> <p>Note(s):</p> <p>1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.</p>		189.10 47.90										
55														
60														
65														
70														
75														
80														



A, B and C wells constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

Well D constructed with 51mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.

W.L. in Screen A at Elev. 228.33 m
Screen B at Elev. 227.81 m
Screen C at Elev. 223.76 m
Screen D at Elev. 234.14m Oct. 20, 2010

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM


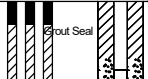



DEPTH SCALE

1 : 200



LOGGED: JAE

CHECKED: KAM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		241.50									(B)(A) (C)
		Overburden, 0.0 m to 2.1 m clay, silt, boulders.		0.00									
		Bedrock Surface, 2.1 m		239.40									
		BOBCAYGEON FORMATION, 2.1 m to 17.8 m		2.10									
5		UNIT 3, 2.1 m to 6.6 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		234.90									
		UNIT 2, 6.6 m to 11.7 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		6.60									
10		UNIT 1, 11.7 m to 17.8 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		11.70									
15		GULL RIVER FORMATION, 17.8 m to 36.8 m		17.80									
20		UNIT 4, 17.8 m to 23.2 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylonitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylonitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 18.3 m. Sharp basal contact marked by dark grey laminated shale.		18.30									
		UNIT 3, 23.2 m to 26.8 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylonitic, medium to thickly bedded DOLOSTONE with shaley cap, The Green Beds .		218.30									
25		UNIT 2, 26.8 m to 31.5 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylonitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		23.20									
30		UNIT 1, 31.5 m to 36.8 m Fresh, light to medium greenish grey to brown, fine to medium grained crystalline with 0.1-0.5 mm disseminated quartz grains, faintly to moderately porous, saccharoidal textured, weakly developed stylolites, medium bedded DOLOSTONE and CALCAREOUS DOLOSTONE . Shale to shaley dolostone cap at top contact. Transitional contact with underlying sandstone.		214.70									
35		SHADOW LAKE FORMATION, 36.8 m to 44.8 m		26.80									
		Fresh to moderately weathered, light grey to light to medium greenish grey, fine grained, moderately porous, friable, thickly bedded QUARTZ SANDSTONE		210.00									
40				31.50									
				204.70									
				36.80									
		CONTINUED NEXT PAGE											

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION				
					GAMMA (cps)					CONDUCTIVITY (mS/m)			
					20	40	60	80		5	10	15	20
40		<p>--- CONTINUED FROM PREVIOUS PAGE ---</p> <p>with sericitic matrix overlying dark reddish brown, slake susceptible RED SHALE overlying reddish brown, fine to medium grained, moderately porous, medium bedded ARKOSIC SANDSTONE with scattered angular pebbles of feldspar crystals and locally with basal feldspathic PEBBLE CONGLOMERATE.</p>		196.70					<p>(B)(A) (C)</p>				
45	<p>PRECAMBRIAN BASEMENT, 44.8 m to 46.9 m Faintly weathered to fresh, pinkish grey, medium grained QUARTZ FELDSPAR GNEISS with minor biotite.</p>		44.80										
	<p>194.60 46.90</p>												
50		<p>Note(s):</p> <p>1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.</p>			<p>W.L. in Screen A at Elev. 227.85 m Screen B at Elev. 225.98 m Screen C at Elev. 238.56 m Oct. 20, 2010</p> <p>A and C wells constructed with 51mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.</p> <p>Well B constructed with 32mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.</p>								
55													
60													
65													
70													
75													
80													

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

PROJECT: Tomlinson Brechin Boreholes

GEOPHYSICAL LOG OF: OW-34

SHEET 1 OF 1

LOCATION: N 4939314.0 ;E 651785.0

DRILLING DATE:

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG:

DRILLING CONTRACTOR:

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		246.31									
		Peat Overburden, 0.0 m to 0.5 m	▨	0.00									
		Bedrock Surface, 0.5 m		0.50									
		BOBCAYGEON FORMATION, 0.5 m to 6.7 m											
5		UNIT 3, 0.5 m to 6.7 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings.											
		End of Borehole, 6.7 m		239.61 6.70									
10		Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											
15													
20													
25													
30													
35													
40													

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

PROJECT: Tomlinson Brechin Boreholes

GEOPHYSICAL LOG OF: OW-35

SHEET 1 OF 1

LOCATION: N 4939192.0 ;E 651648.0

DRILLING DATE:

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG:

DRILLING CONTRACTOR:

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		246.09									
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 6.3 m UNIT 3, 0.0 m to 6.3 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings.		0.00									
5		End of Borehole, 6.3 m		239.79									
		Note(s): 1. Borehole was not geophysically logged. Stratigraphy approximated from adjacent boreholes. 2. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.		6.30									
10													
15													
20													
25													
30													
35													
40													

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		247.22									
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 20.0 m UNIT 3, 0.0 m to 9.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		0.00									
		UNIT 2, 9.0 m to 13.9 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE.		238.22 9.00									
		UNIT 1, 13.9 m to 20.0 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		233.32 13.90									
		GULL RIVER FORMATION, 20.0 m to 32.8 m UNIT 4, 20.0 m to 25.5 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 20.5 m. Sharp basal contact marked by dark grey laminated shale.		227.22 20.00 20.50									
		UNIT 3, 25.5 m to 29.0 m Fresh, medium grey to greenish grey, fine to medium grained crystalline, faintly to moderately porous, saccharoidal textured, stylolitic, medium to thickly bedded DOLOSTONE with shaley cap. The Green Beds.		221.72 25.50									
		UNIT 2, 29.0 m to 32.8 m Fresh, creamy light to medium brown, very fine grained, porcelaneous, non-porous, stylolitic, medium to thickly bedded LITHOGRAPHIC LIMESTONE with interbeds of argillaceous nodular limestone and thin beds of mottled dolostone.		218.22 29.00									
		End of Borehole, 32.8 m		214.42 32.80									
		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.											

Open Borehole

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

PROJECT: Tomlinson Brechin Boreholes Tomlinson Brechin

GEOPHYSICAL LOG OF: PW-2

SHEET 1 OF 1

LOCATION: N 4938306.7 ; E 651517.0

DRILLING DATE: Aug 2004

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Tamrock 1500 Hyd. Drill

DRILLING CONTRACTOR: R.W. Tomlinson Limited

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD				PIEZOMETER OR STANDPIPE INSTALLATION	
					GAMMA (cps)		CONDUCTIVITY (mS/m)			
					20	40	60	80		5
0		GROUND SURFACE		247.78 0.00						
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 27.2 m UNIT 4, 0.0 m to 4.8 m Fresh, medium brownish grey, fine to medium grained, non-porous, thinly to thickly bedded ARGILLACEOUS to SHALEY NODULAR MICRITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		242.98 4.80						
		UNIT 3, 4.8 m to 16.2 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley partings. Sharp basal contact.		231.58 16.20						
		UNIT 2, 16.2 m to 20.8 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedded NODULAR ARGILLACEOUS to SHALEY MICRITIC LIMESTONE .		226.98 20.80						
		UNIT 1, 20.8 m to 27.2 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Sharp basal contact.		220.58 27.20						
		GULL RIVER FORMATION, 27.2 m to 32.7 m UNIT 4, 27.2 m to 32.7 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIMESTONE with fine argillaceous to stylolitic bedding partings. Gamma spike associated with grey weathered shale or clay parting at 27.7 m. Sharp basal contact marked by dark grey laminated shale.		215.08 32.70						
		End of Borehole, 32.7 m								
		Note(s): 1. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.								Open Borehole

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

DEPTH SCALE

1 : 200



LOGGED: N/A

CHECKED: JPAO

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GAMMA (cps)				CONDUCTIVITY (mS/m)				PIEZOMETER OR STANDPIPE INSTALLATION
					20	40	60	80	5	10	15	20	
0		GROUND SURFACE		249.44 0.00									
		Bedrock Surface, 0.0 m BOBCAYGEON FORMATION, 0.0 m to 26.1 m UNIT 4, 0.0 m to 3.9 m Fresh, medium brownish grey, fine to medium grained, non-porous, thinly to thickly bedded ARGILLACEOUS to SHALEY NODULAR MICRITIC LI		245.54 3.90									Bentonite Seal Pea Stone
5		UNIT 3, 3.9 m to 15.0 m Fresh, medium brownish grey, fine to medium grained crystalline, non-porous, thinly to thickly bedded NODULAR to ARGILLACEOUS NODULAR MICRITIC to CALCARENITIC LIMESTONE with minor dark grey, very thin shaley											
15		UNIT 2, 15.0 m to 19.9 m Fresh, medium brownish grey, medium to thickly bedded, crystalline CALCARENITIC LIMESTONE (1.4-.6m thick) overlying thinly to medium bedded NODULAR MICRITIC LIMESTONE with basal (1m) thinly bedde		234.44 15.00									
20		UNIT 1, 20.0 m to 28.5 m Fresh, light to medium brownish grey, fine grained, thinly to medium bedded NODULAR ARGILLACEOUS MICRITIC LIMESTONE with argillaceous to shaley bedding partings and calcarenitic limestone interbeds. Gamma sp		229.54 19.90									Bentonite Seal
25		GULL RIVER FORMATION, 26.1 m to 31.7 m UNIT 4, 26.1 m to 31.7 m Fresh, creamy light to medium brown to creamy white, very fine grained porcelaneous, non-porous, stylolitic, medium to thickly bedded MICRITIC and LITHOGRAPHIC LIME		223.34 26.10 26.80									
30		End of Borehole, 31.7 m		217.74 31.70									Well constructed with 51mm diameter schedule 40 PVC flush threaded pipe and No. 10 slotted screen.
35		Note(s): 1. Rotary percussion drillhole, drilled and logged by R.W. Tomlinson Limited. 2. Geophysical logging and monitoring well installation performed by Golder and Allan Wright Water Wells Inc. 3. Geological formation contacts inferred from geophysical logs. 4. Borehole PW-3 converted to shallow monitoring location PW-3A on April 19, 2011.											
40		CONTINUED NEXT PAGE											

OTTAWA-GEO TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 JM

PROJECT: Tomlinson Brechin BoreholesTomlinson Brechin

GEOPHYSICAL LOG OF: PW-3A

SHEET 2 OF 2

LOCATION: N 4939116.8 ;E 651582.8

DRILLING DATE: Aug 2004

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DRILL RIG: Tamrock 1500 Hyd. Drill

DRILLING CONTRACTOR: R.W. Tomlinson Limited

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	GEOPHYSICAL RECORD								PIEZOMETER OR STANDPIPE INSTALLATION
					GAMMA (cps)				CONDUCTIVITY (mS/m)				
					20	40	60	80	5	10	15	20	
40		<p>--- CONTINUED FROM PREVIOUS PAGE ---</p> <p>5. The borehole record lithology/stratigraphy was updated Feb 2022 consistent with more recent interpretation work.</p>											
45													
50													
55													
60													
65													
70													
75													
80													

OTTAWA-GEO. TOMLINSON BRECHIN BOREHOLES.GPJ GAL-GTA.GDT 3/15/22 .JM

DEPTH SCALE

1 : 200



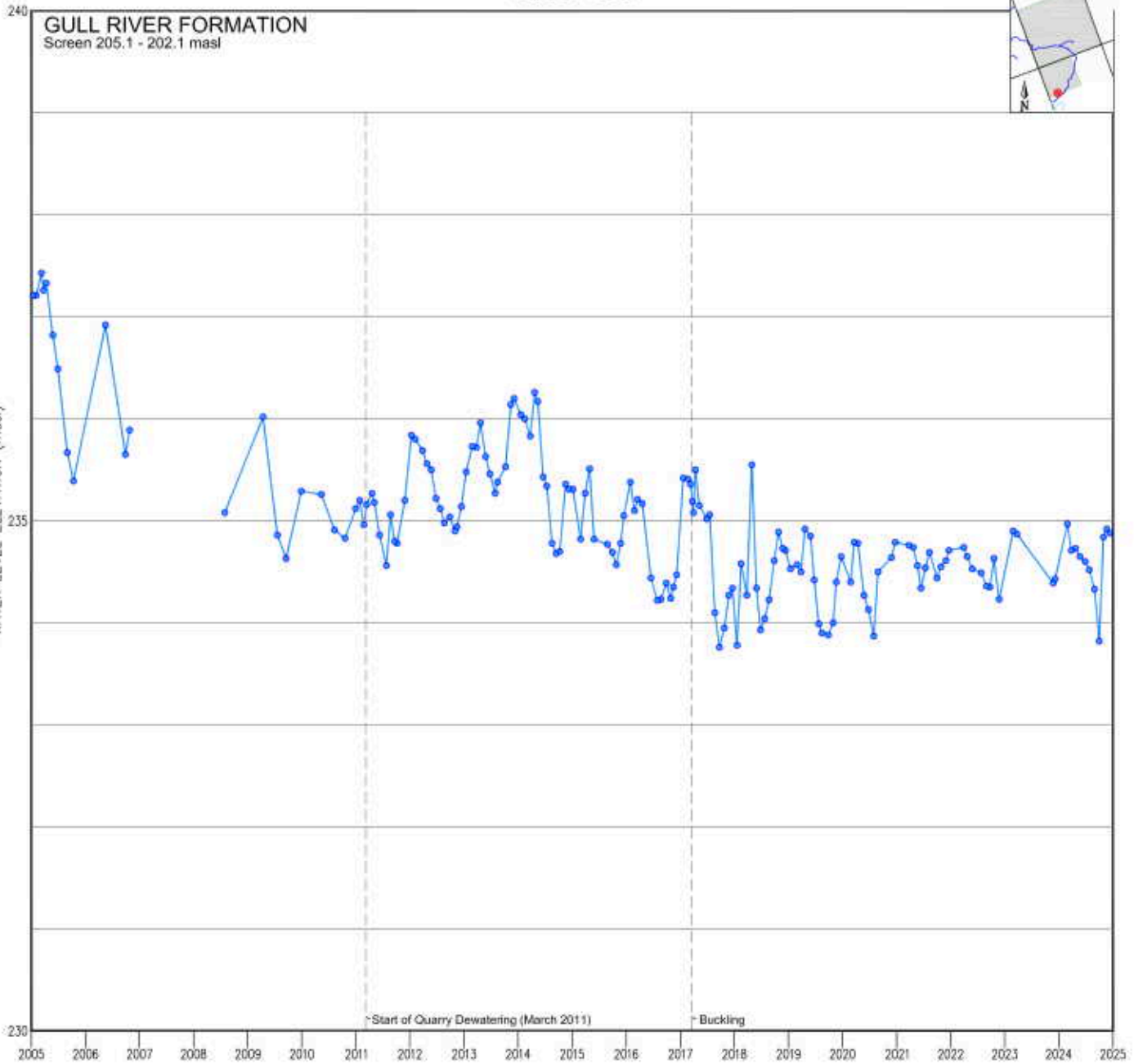
LOGGED: N/A

CHECKED: JPAO

APPENDIX C

Groundwater Elevation Plots

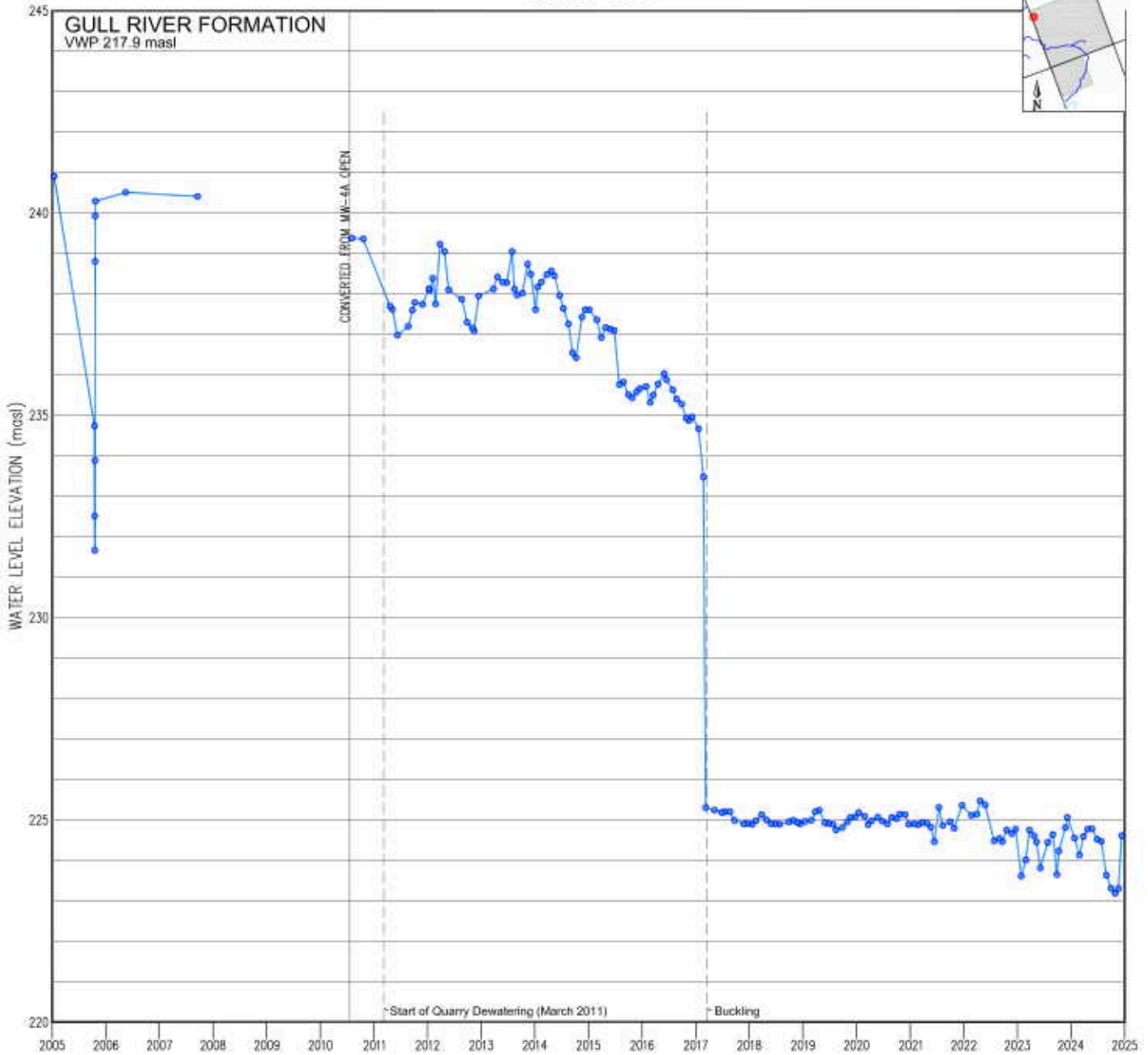
MW-3A



MP Elevation 248.01 masl
Grade 247.8 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
27-May-13	235.63	27-Feb-15	234.82	20-Jan-17	235.42	25-Jul-18	234.04	14-Apr-20	234.78	26-Jul-22	234.49
24-Jun-13	235.46	30-Mar-15	235.27	22-Feb-17	235.41	23-Aug-18	234.23	25-May-20	234.27	31-Aug-22	234.36
30-Jul-13	235.27	29-Apr-15	235.51	10-Mar-17	235.36	27-Sep-18	234.61	24-Jun-20	234.13	23-Sep-22	234.35
15-Aug-13	235.38	29-May-15	234.82	23-Mar-17	235.19	26-Oct-18	234.89	30-Jul-20	233.87	20-Oct-22	234.63
08-Oct-13	235.53	27-Aug-15	234.77	30-Mar-17	235.08	23-Nov-18	234.73	28-Aug-20	234.50	28-Feb-23	234.23
13-Nov-13	236.14	30-Sep-15	234.69	13-Apr-17	235.50	12-Dec-18	234.71	27-Nov-20	234.64	27-Feb-23	234.90
05-Dec-13	236.20	26-Oct-15	234.57	09-May-17	235.15	15-Jan-19	234.53	22-Dec-20	234.79	24-Mar-23	234.87
20-Jan-14	236.04	25-Nov-15	234.78	28-Jun-17	235.02	28-Feb-19	234.57	24-Mar-21	234.76	24-Nov-23	234.39
14-Feb-14	236.00	16-Dec-15	235.05	18-Jul-17	235.06	27-Mar-19	234.50	23-Apr-21	234.74	07-Dec-23	234.43
24-Mar-14	235.83	29-Jan-16	235.38	22-Aug-17	234.10	22-Apr-19	234.92	21-May-21	234.56	28-Feb-24	234.97
23-Apr-14	236.26	26-Feb-16	235.10	22-Sep-17	233.76	30-May-19	234.85	14-Jun-21	234.34	26-Mar-24	234.71
14-May-14	236.17	18-Mar-16	235.21	25-Oct-17	233.95	24-Jun-19	234.42	14-Jul-21	234.54	23-Apr-24	234.73
19-Jun-14	235.43	19-Apr-16	235.17	24-Nov-17	234.27	25-Jul-19	233.99	10-Aug-21	234.69	23-May-24	234.65
14-Jul-14	235.34	16-Jun-16	234.44	19-Dec-17	234.34	15-Aug-19	233.90	30-Sep-21	234.44	27-Jun-24	234.60
18-Aug-14	234.78	29-Jul-16	234.22	19-Jan-18	233.78	27-Sep-19	233.88	27-Oct-21	234.55	25-Jul-24	234.52
15-Sep-14	234.68	23-Aug-16	234.23	15-Feb-18	234.56	30-Oct-19	234.00	29-Nov-21	234.61	29-Aug-24	234.33
09-Oct-14	234.70	27-Sep-16	234.39	26-Mar-18	234.27	20-Nov-19	234.40	20-Dec-21	234.71	30-Sep-24	233.82
18-Nov-14	235.36	28-Oct-16	234.24	28-Apr-18	235.55	23-Dec-19	234.65	30-Mar-22	234.74	28-Oct-24	234.84
10-Dec-14	235.31	15-Nov-16	234.35	30-May-18	234.34	25-Feb-20	234.40	22-Apr-22	234.65	19-Nov-24	234.92
06-Jan-15	235.31	07-Dec-16	234.47	26-Jun-18	233.93	20-Mar-20	234.79	26-May-22	234.53	11-Dec-24	234.88

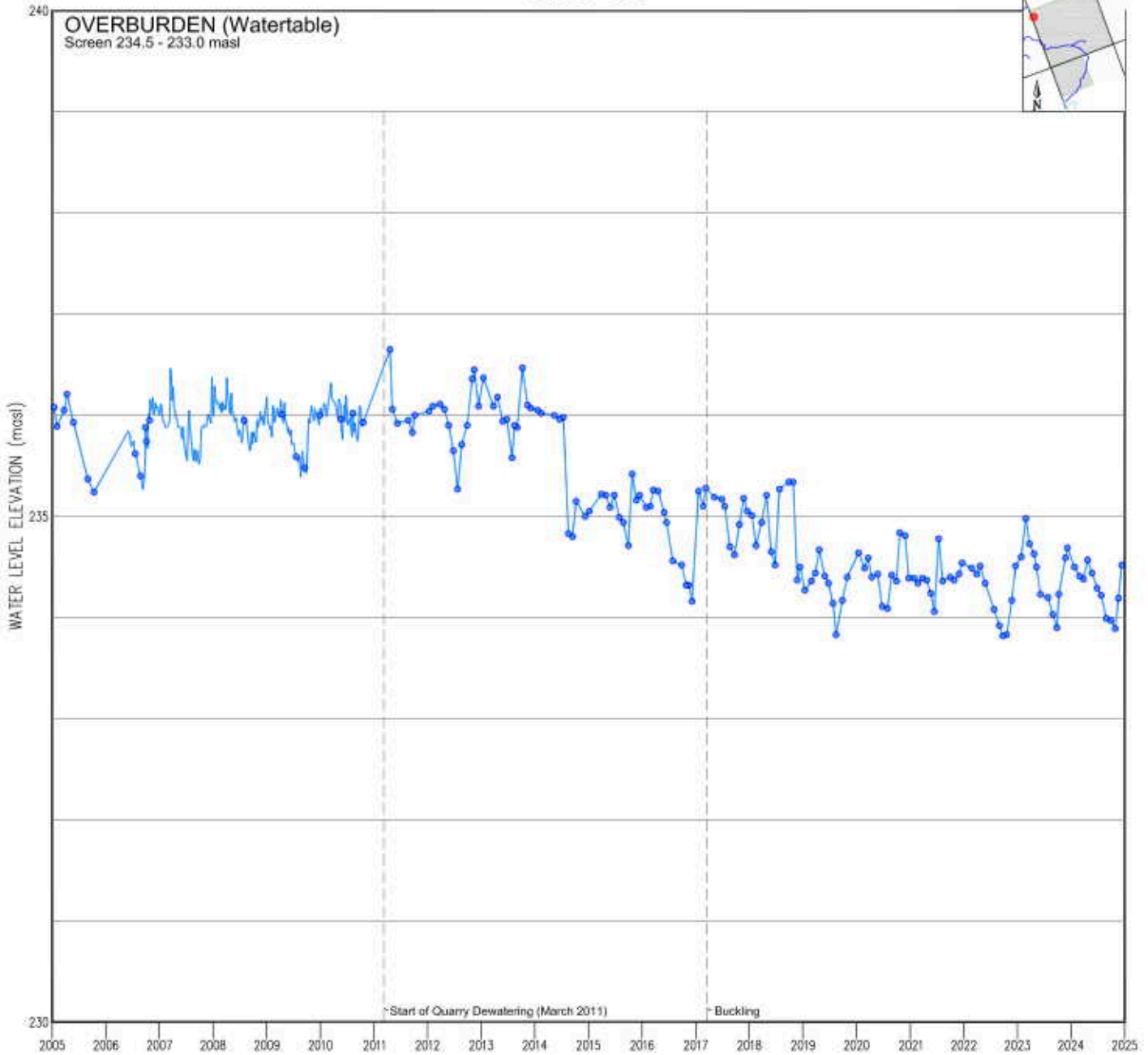
MW-4A



MP Elevation 239.04 masl
Grade 237.4 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
14-Jul-14	237.64	18-Mar-16	235.50	19-Jan-18	224.89	30-Oct-19	224.95	14-Jun-21	224.46	11-May-23	224.45
18-Aug-14	237.26	19-Apr-16	235.77	15-Feb-18	224.98	20-Nov-19	225.06	15-Jul-21	225.31	06-Jun-23	223.81
15-Sep-14	236.54	31-May-16	236.03	26-Mar-18	225.13	23-Dec-19	225.07	10-Aug-21	224.86	27-Jul-23	224.44
09-Oct-14	236.42	16-Jun-16	235.88	28-Apr-18	225.00	15-Jan-20	225.18	30-Sep-21	224.95	30-Aug-23	224.64
18-Nov-14	237.43	29-Jul-16	235.63	30-May-18	224.90	25-Feb-20	225.09	27-Oct-21	224.79	27-Sep-23	223.65
10-Dec-14	237.61	23-Aug-16	235.40	26-Jun-18	224.90	20-Mar-20	224.88	20-Dec-21	225.36	10-Oct-23	224.23
06-Jan-15	237.61	27-Sep-16	235.28	25-Jul-18	224.89	14-Apr-20	224.98	22-Feb-22	225.11	24-Nov-23	224.81
27-Feb-15	237.36	28-Oct-16	234.93	27-Sep-18	224.95	25-May-20	225.07	30-Mar-22	225.14	07-Dec-23	225.06
30-Mar-15	236.92	15-Nov-16	234.87	26-Oct-18	224.99	24-Jun-20	224.97	22-Apr-22	225.47	25-Jan-24	224.55
29-Apr-15	237.17	07-Dec-16	234.96	23-Nov-18	224.94	30-Jul-20	224.90	26-May-22	225.37	28-Feb-24	224.13
29-May-15	237.13	20-Jan-17	234.67	12-Dec-18	224.90	28-Aug-20	225.06	26-Jul-22	224.48	26-Mar-24	224.59
26-Jun-15	237.10	22-Feb-17	233.48	15-Jan-19	224.96	30-Sep-20	225.03	31-Aug-22	224.54	23-Apr-24	224.77
31-Jul-15	235.76	10-Mar-17	225.30	28-Feb-19	224.99	21-Oct-20	225.14	21-Sep-22	224.46	23-May-24	224.78
27-Aug-15	235.82	09-May-17	225.24	27-Mar-19	225.20	27-Nov-20	225.13	20-Oct-22	224.75	27-Jun-24	224.52
30-Sep-15	235.51	28-Jun-17	225.18	22-Apr-19	225.24	22-Dec-20	224.89	24-Nov-22	224.66	25-Jul-24	224.47
26-Oct-15	235.43	18-Jul-17	225.20	30-May-19	224.93	27-Jan-21	224.90	19-Dec-22	224.77	29-Aug-24	223.63
25-Nov-15	235.58	22-Aug-17	225.20	24-Jun-19	224.91	22-Feb-21	224.88	27-Jan-23	223.61	30-Sep-24	223.31
16-Dec-15	235.66	22-Sep-17	224.99	25-Jul-19	224.89	23-Mar-21	224.93	27-Feb-23	224.01	28-Oct-24	223.18
29-Jan-16	235.71	24-Nov-17	224.90	15-Aug-19	224.75	23-Apr-21	224.92	24-Mar-23	224.75	19-Nov-24	223.30
26-Feb-16	235.32	19-Dec-17	224.91	27-Sep-19	224.81	21-May-21	224.82	24-Apr-23	224.61	11-Dec-24	224.61

MW-4B

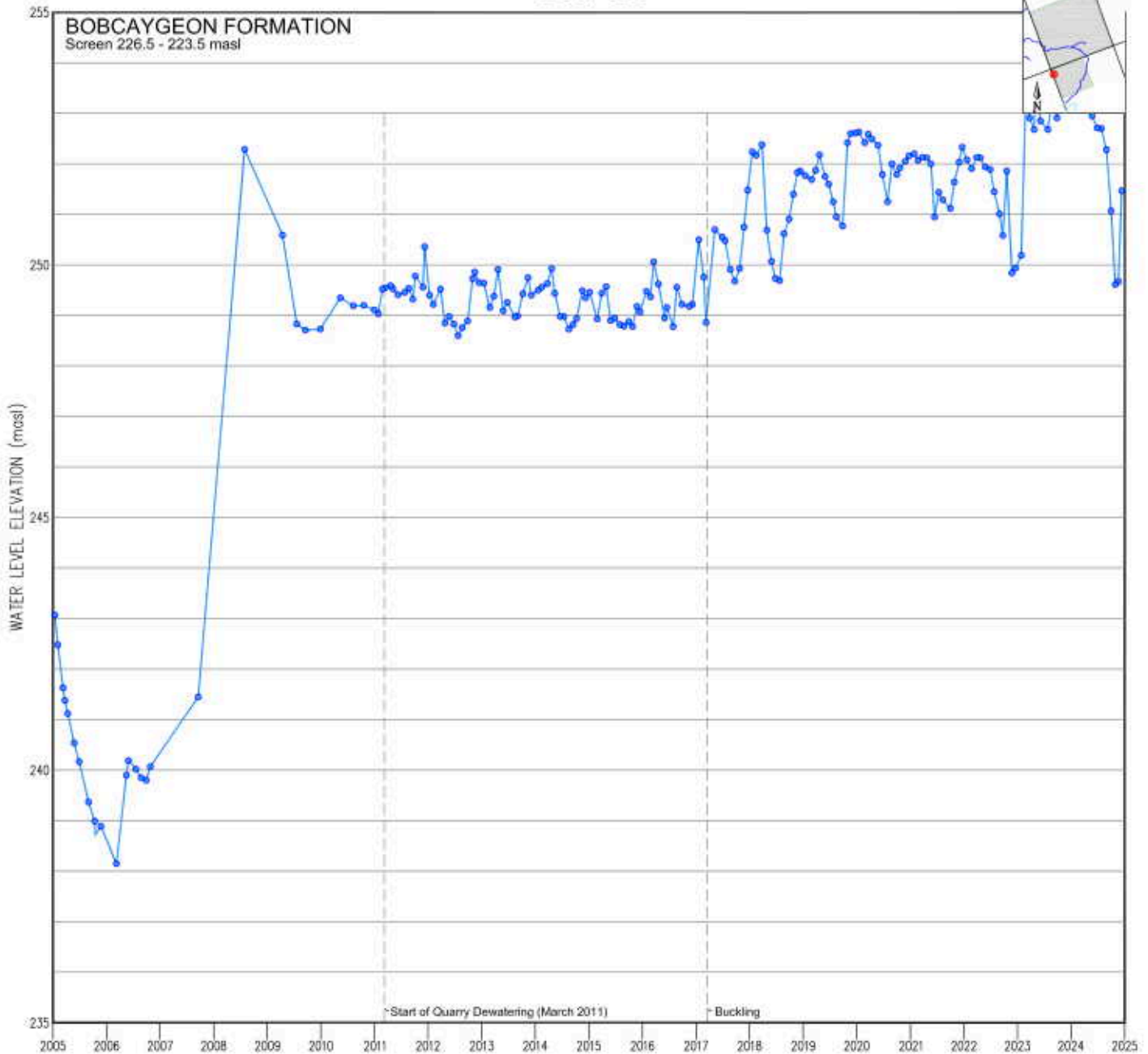


MP Elevation 237.48 masl

Grade 237.4 masl

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14-May-14	236.00	18-Mar-16	235.26	19-Jan-18	235.01	30-Oct-19	234.40	10-Aug-21	234.36	06-Jun-23	234.23
19-Jun-14	235.96	19-Apr-16	235.25	15-Feb-18	234.71	15-Jan-20	234.64	30-Sep-21	234.40	27-Jul-23	234.20
14-Jul-14	235.98	31-May-16	235.04	26-Mar-18	234.94	25-Feb-20	234.49	27-Oct-21	234.37	30-Aug-23	234.03
18-Aug-14	234.83	16-Jun-16	234.94	28-Apr-18	235.21	20-Mar-20	234.59	29-Nov-21	234.43	27-Sep-23	233.90
15-Sep-14	234.80	29-Jul-16	234.56	30-May-18	234.65	14-Apr-20	234.40	20-Dec-21	234.54	10-Oct-23	234.23
09-Oct-14	235.15	27-Sep-16	234.52	26-Jun-18	234.52	25-May-20	234.43	22-Feb-22	234.49	24-Nov-23	234.59
10-Dec-14	235.00	28-Oct-16	234.32	25-Jul-18	235.27	24-Jun-20	234.11	30-Mar-22	234.43	07-Dec-23	234.69
06-Jan-15	235.05	15-Nov-16	234.32	27-Sep-18	235.34	30-Jul-20	234.09	22-Apr-22	234.51	25-Jan-24	234.50
30-Mar-15	235.22	07-Dec-16	234.16	26-Oct-18	235.34	28-Aug-20	234.42	26-May-22	234.34	28-Feb-24	234.41
29-Apr-15	235.21	20-Jan-17	235.25	23-Nov-18	234.37	30-Sep-20	234.36	26-Jul-22	234.08	26-Mar-24	234.38
29-May-15	235.09	22-Feb-17	235.10	12-Dec-18	234.50	21-Oct-20	234.84	31-Aug-22	233.92	23-Apr-24	234.57
26-Jun-15	235.21	10-Mar-17	235.28	15-Jan-19	234.27	27-Nov-20	234.81	23-Sep-22	233.82	23-May-24	234.44
31-Jul-15	234.99	09-May-17	235.19	28-Feb-19	234.36	22-Dec-20	234.39	20-Oct-22	233.83	27-Jun-24	234.29
27-Aug-15	234.94	28-Jun-17	235.17	27-Mar-19	234.44	27-Jan-21	234.39	24-Nov-22	234.17	25-Jul-24	234.22
30-Sep-15	234.71	18-Jul-17	235.10	22-Apr-19	234.67	22-Feb-21	234.34	19-Dec-22	234.51	29-Aug-24	233.99
26-Oct-15	235.42	22-Aug-17	234.70	30-May-19	234.41	24-Mar-21	234.39	27-Jan-23	234.60	30-Sep-24	233.97
25-Nov-15	235.16	22-Sep-17	234.62	24-Jun-19	234.34	23-Apr-21	234.37	27-Feb-23	234.98	28-Oct-24	233.89
16-Dec-15	235.21	25-Oct-17	234.92	25-Jul-19	234.14	21-May-21	234.24	24-Mar-23	234.73	19-Nov-24	234.19
29-Jan-16	235.09	24-Nov-17	235.18	15-Aug-19	233.83	14-Jun-21	234.06	24-Apr-23	234.63	11-Dec-24	234.52

OW-1A



MP Elevation 255.96 masl

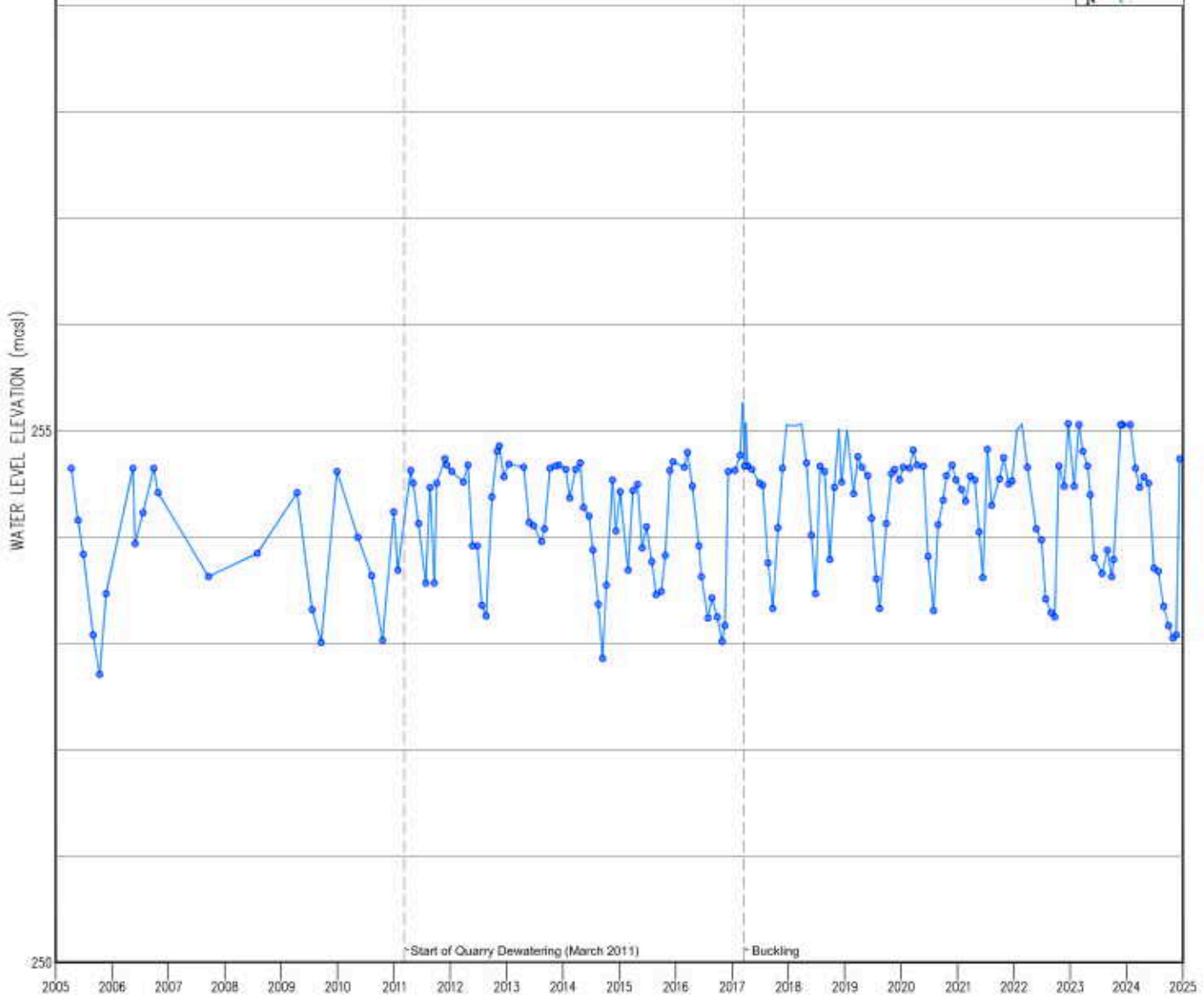
Grade 254.9 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
18-Nov-14	249.49	29-Jul-16	248.78	30-May-18	250.07	15-Jan-20	252.63	30-Sep-21	251.12	11-May-23	253.77
10-Dec-14	249.35	23-Aug-16	249.56	26-Jun-18	249.73	25-Feb-20	252.42	27-Oct-21	251.64	06-Jun-23	252.85
06-Jan-15	249.46	27-Sep-16	249.22	25-Jul-18	249.69	20-Mar-20	252.59	29-Nov-21	252.03	27-Jul-23	252.68
27-Feb-15	248.93	15-Nov-16	249.18	23-Aug-18	250.62	14-Apr-20	252.49	20-Dec-21	252.33	30-Aug-23	253.46
30-Mar-15	249.44	07-Dec-16	249.22	27-Sep-18	250.91	25-May-20	252.37	21-Jan-22	252.08	27-Sep-23	252.91
29-Apr-15	249.57	20-Jan-17	250.50	26-Oct-18	251.40	24-Jun-20	251.79	22-Feb-22	251.91	10-Oct-23	253.18
29-May-15	248.90	22-Feb-17	249.76	23-Nov-18	251.83	30-Jul-20	251.25	30-Mar-22	252.13	24-Nov-23	253.15
26-Jun-15	248.95	10-Mar-17	248.86	12-Dec-18	251.86	28-Aug-20	252.00	22-Apr-22	252.12	07-Dec-23	253.23
31-Jul-15	248.82	09-May-17	250.70	15-Jan-19	251.77	30-Sep-20	251.79	26-May-22	251.94	25-Jan-24	253.28
27-Aug-15	248.79	28-Jun-17	250.55	28-Feb-19	251.69	21-Oct-20	251.92	29-Jun-22	251.89	28-Feb-24	253.26
30-Sep-15	248.88	18-Jul-17	250.48	27-Mar-19	251.87	27-Nov-20	252.05	26-Jul-22	251.45	26-Mar-24	253.19
26-Oct-15	248.78	22-Aug-17	249.91	22-Apr-19	252.18	22-Dec-20	252.16	31-Aug-22	251.01	23-Apr-24	253.64
25-Nov-15	249.18	22-Sep-17	249.68	30-May-19	251.75	27-Jan-21	252.20	23-Sep-22	250.58	23-May-24	252.95
16-Dec-15	249.07	25-Oct-17	249.93	24-Jun-19	251.60	22-Feb-21	252.07	20-Oct-22	251.86	27-Jun-24	252.71
29-Jan-16	249.48	24-Nov-17	250.75	25-Jul-19	251.25	24-Mar-21	252.13	24-Nov-22	249.84	25-Jul-24	252.70
26-Feb-16	249.37	19-Dec-17	251.48	15-Aug-19	250.95	23-Apr-21	252.12	19-Dec-22	249.94	29-Aug-24	252.28
18-Mar-16	250.06	19-Jan-18	252.24	27-Sep-19	250.77	21-May-21	252.00	27-Jan-23	250.19	30-Sep-24	251.07
19-Apr-16	249.62	15-Feb-18	252.17	30-Oct-19	252.42	14-Jun-21	250.95	27-Feb-23	253.39	28-Oct-24	249.61
31-May-16	248.95	26-Mar-18	252.38	20-Nov-19	252.60	14-Jul-21	251.44	24-Mar-23	252.91	19-Nov-24	249.67
16-Jun-16	249.16	28-Apr-18	250.69	23-Dec-19	252.61	10-Aug-21	251.29	24-Apr-23	252.68	11-Dec-24	251.47

OW-1B



BOBCAYGEON FORMATION (Upper)
Screen 242.5 - 239.4 masl



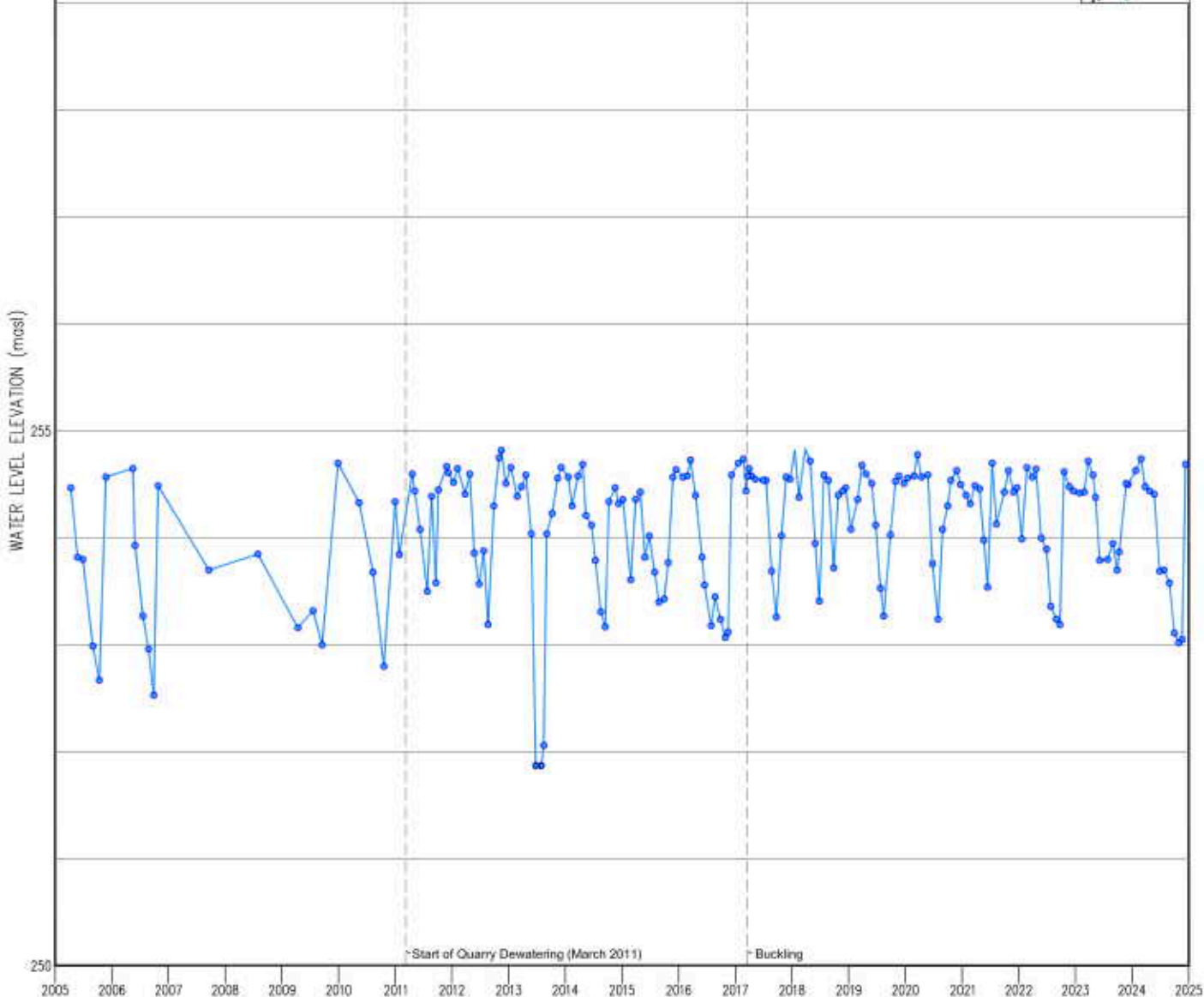
MP Elevation 255.89 masl
Grade 254.9 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
06-Jan-15	254.43	28-Oct-16	253.02	28-Apr-18	254.70	23-Dec-19	254.54	10-Aug-21	254.30	11-May-23	254.40
27-Feb-15	253.69	15-Nov-16	253.17	30-May-18	254.02	15-Jan-20	254.66	30-Sep-21	254.55	06-Jun-23	253.81
30-Mar-15	254.44	07-Dec-16	254.62	26-Jun-18	253.47	25-Feb-20	254.65	27-Oct-21	254.75	27-Jul-23	253.66
29-Apr-15	254.50	20-Jan-17	254.63	25-Jul-18	254.67	20-Mar-20	254.82	29-Nov-21	254.50	30-Aug-23	253.88
29-May-15	253.90	22-Feb-17	254.77	23-Aug-18	254.62	14-Apr-20	254.68	20-Dec-21	254.53	27-Sep-23	253.63
26-Jun-15	254.10	10-Mar-17	FRZ	27-Sep-18	253.79	25-May-20	254.67	21-Jan-22	FRZ	10-Oct-23	253.79
31-Jul-15	253.77	23-Mar-17	254.67	26-Oct-18	254.47	24-Jun-20	253.82	22-Feb-22	FRZ	24-Nov-23	255.06
27-Aug-15	253.46	30-Mar-17	FRZ	23-Nov-18	FRZ	30-Jul-20	253.31	30-Mar-22	254.66	07-Dec-23	255.06
30-Sep-15	253.49	13-Apr-17	254.67	12-Dec-18	254.52	28-Aug-20	254.12	26-May-22	254.08	25-Jan-24	255.06
26-Oct-15	253.83	09-May-17	254.64	15-Jan-19	FRZ	30-Sep-20	254.35	29-Jun-22	253.98	28-Feb-24	254.65
25-Nov-15	254.63	28-Jun-17	254.51	28-Feb-19	254.41	21-Oct-20	254.58	26-Jul-22	253.42	26-Mar-24	254.47
16-Dec-15	254.71	18-Jul-17	254.49	27-Mar-19	254.76	27-Nov-20	254.68	31-Aug-22	253.29	23-Apr-24	254.57
26-Feb-16	254.66	22-Aug-17	253.76	22-Apr-19	254.66	22-Dec-20	254.54	23-Sep-22	253.25	23-May-24	254.51
18-Mar-16	254.80	22-Sep-17	253.33	30-May-19	254.58	27-Jan-21	254.45	20-Oct-22	254.67	27-Jun-24	253.71
19-Apr-16	254.48	25-Oct-17	254.09	24-Jun-19	254.18	22-Feb-21	254.34	24-Nov-22	254.48	25-Jul-24	253.68
31-May-16	253.92	24-Nov-17	254.65	25-Jul-19	253.61	24-Mar-21	254.57	19-Dec-22	255.07	29-Aug-24	253.35
16-Jun-16	253.63	19-Dec-17	FRZ	15-Aug-19	253.33	23-Apr-21	254.54	27-Jan-23	254.48	30-Sep-24	253.17
29-Jul-16	253.24	19-Jan-18	FRZ	27-Sep-19	254.13	21-May-21	254.05	27-Feb-23	255.06	28-Oct-24	253.05
23-Aug-16	253.43	15-Feb-18	FRZ	30-Oct-19	254.60	14-Jun-21	253.62	24-Mar-23	254.81	19-Nov-24	253.08
27-Sep-16	253.25	26-Mar-18	FRZ	20-Nov-19	254.64	14-Jul-21	254.83	24-Apr-23	254.67	11-Dec-24	254.74

OW-1C



260
VERULAM FORMATION (Watertable)
 Screen 253.4 - 251.9 masl



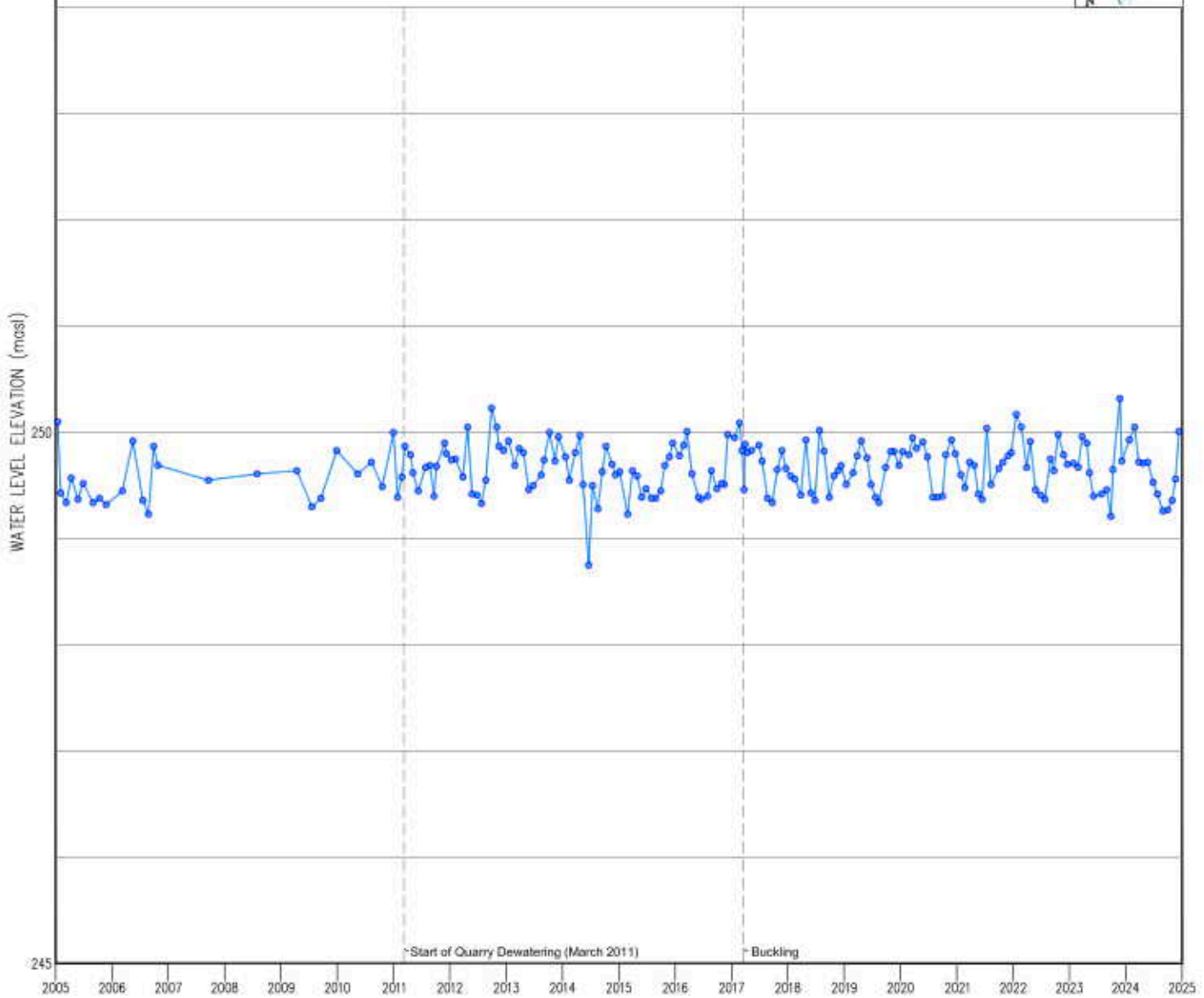
MP Elevation 255.89 masl
 Grade 254.9 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
30-Mar-15	254.36	15-Nov-16	253.12	30-May-18	253.95	15-Jan-20	254.56	30-Sep-21	254.43	11-May-23	254.38
29-Apr-15	254.43	07-Dec-16	254.59	26-Jun-18	253.41	25-Feb-20	254.58	27-Oct-21	254.63	06-Jun-23	253.79
29-May-15	253.82	20-Jan-17	254.70	25-Jul-18	254.59	20-Mar-20	254.78	29-Nov-21	254.43	27-Jul-23	253.80
26-Jun-15	254.02	22-Feb-17	254.74	23-Aug-18	254.54	14-Apr-20	254.57	20-Dec-21	254.47	30-Aug-23	253.95
31-Jul-15	253.68	10-Mar-17	254.44	27-Sep-18	253.72	25-May-20	254.59	21-Jan-22	253.99	27-Sep-23	253.70
27-Aug-15	253.40	23-Mar-17	254.58	26-Oct-18	254.40	24-Jun-20	253.76	22-Feb-22	254.66	10-Oct-23	253.87
30-Sep-15	253.43	30-Mar-17	254.65	23-Nov-18	254.44	30-Jul-20	253.24	30-Mar-22	254.57	24-Nov-23	254.51
26-Oct-15	253.77	13-Apr-17	254.58	12-Dec-18	254.47	28-Aug-20	254.08	22-Apr-22	254.65	07-Dec-23	254.50
25-Nov-15	254.57	09-May-17	254.55	15-Jan-19	254.08	30-Sep-20	254.30	26-May-22	254.00	25-Jan-24	254.63
16-Dec-15	254.64	28-Jun-17	254.54	28-Feb-19	254.36	21-Oct-20	254.54	29-Jun-22	253.90	28-Feb-24	254.74
29-Jan-16	254.57	18-Jul-17	254.54	27-Mar-19	254.68	27-Nov-20	254.63	26-Jul-22	253.36	26-Mar-24	254.48
26-Feb-16	254.58	22-Aug-17	253.69	22-Apr-19	254.60	22-Dec-20	254.50	31-Aug-22	253.24	23-Apr-24	254.44
18-Mar-16	254.73	22-Sep-17	253.26	30-May-19	254.51	27-Jan-21	254.40	23-Sep-22	253.19	23-May-24	254.41
19-Apr-16	254.40	25-Oct-17	254.02	24-Jun-19	254.12	22-Feb-21	254.32	20-Oct-22	254.62	27-Jun-24	253.69
31-May-16	253.82	24-Nov-17	254.57	25-Jul-19	253.53	24-Mar-21	254.49	24-Nov-22	254.48	25-Jul-24	253.70
16-Jun-16	253.56	19-Dec-17	254.55	15-Aug-19	253.27	23-Apr-21	254.46	19-Dec-22	254.44	29-Aug-24	253.58
29-Jul-16	253.18	19-Jan-18	FRZ	27-Sep-19	254.03	21-May-21	253.98	27-Jan-23	254.42	30-Sep-24	253.11
23-Aug-16	253.45	15-Feb-18	254.38	30-Oct-19	254.53	14-Jun-21	253.54	27-Feb-23	254.43	28-Oct-24	253.02
27-Sep-16	253.24	26-Mar-18	FRZ	20-Nov-19	254.58	14-Jul-21	254.70	24-Mar-23	254.72	19-Nov-24	253.05
28-Oct-16	253.07	28-Apr-18	254.72	23-Dec-19	254.51	10-Aug-21	254.13	24-Apr-23	254.59	11-Dec-24	254.69

OW-2C



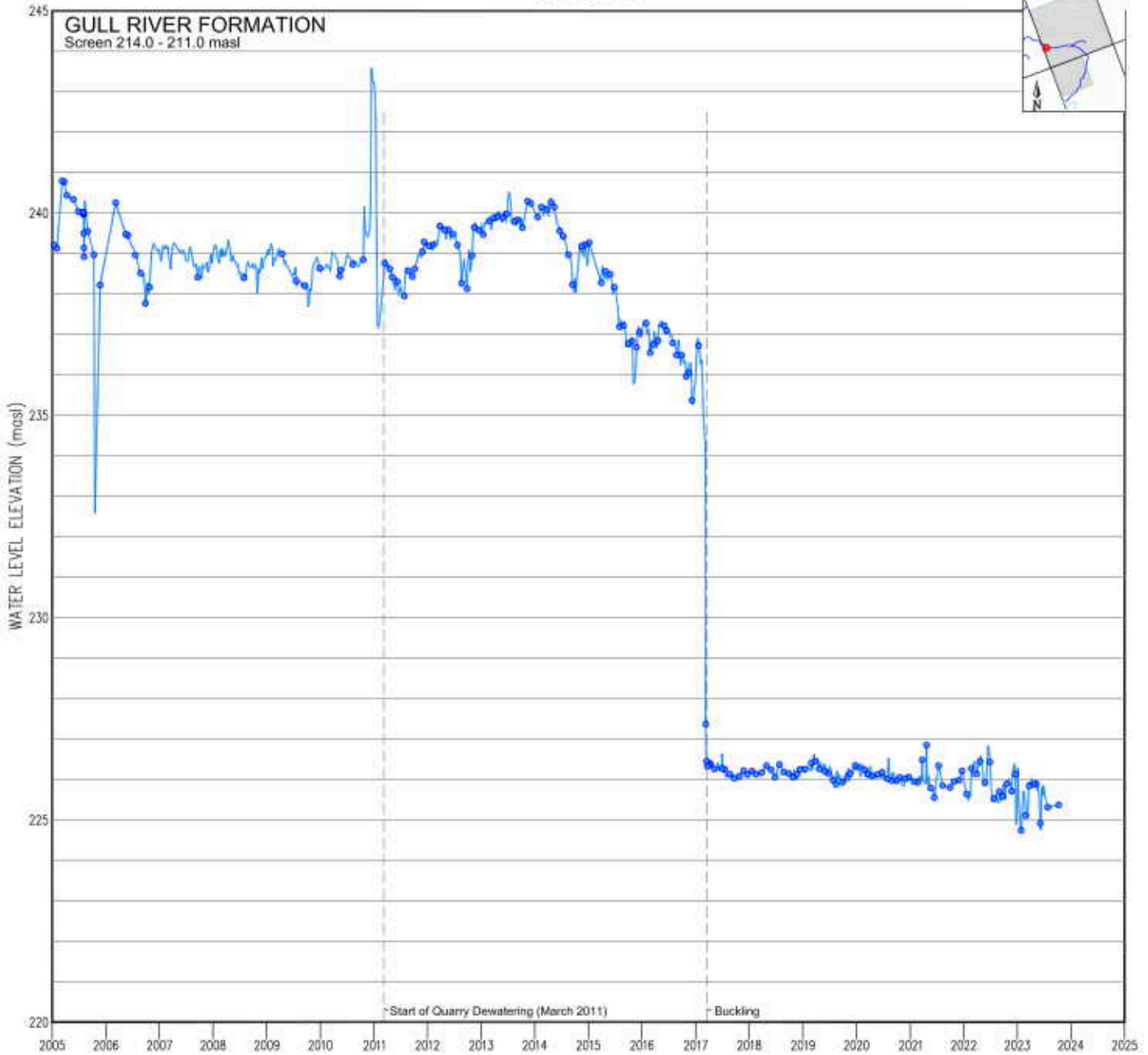
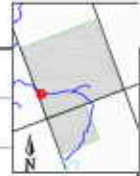
255
BOBCAYGEON FORMATION (Watertable)
Screen 248.9 - 247.4 masl



MP Elevation 251.25 masl
Grade 250.1 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
30-Mar-15	249.64	15-Nov-16	249.51	30-May-18	249.43	15-Jan-20	249.82	30-Sep-21	249.66	11-May-23	249.62
29-Apr-15	249.59	07-Dec-16	249.98	26-Jun-18	249.36	25-Feb-20	249.79	27-Oct-21	249.72	06-Jun-23	249.40
29-May-15	249.39	20-Jan-17	249.95	25-Jul-18	250.02	20-Mar-20	249.95	29-Nov-21	249.78	27-Jul-23	249.42
26-Jun-15	249.47	22-Feb-17	250.09	23-Aug-18	249.82	14-Apr-20	249.85	20-Dec-21	249.81	30-Aug-23	249.46
31-Jul-15	249.38	10-Mar-17	249.83	27-Sep-18	249.39	25-May-20	249.91	21-Jan-22	250.17	27-Sep-23	249.21
27-Aug-15	249.38	23-Mar-17	249.46	26-Oct-18	249.59	24-Jun-20	249.77	22-Feb-22	250.05	10-Oct-23	249.65
30-Sep-15	249.45	30-Mar-17	249.89	23-Nov-18	249.64	30-Jul-20	249.39	30-Mar-22	249.67	24-Nov-23	250.32
26-Oct-15	249.69	13-Apr-17	249.81	12-Dec-18	249.69	28-Aug-20	249.39	22-Apr-22	249.91	07-Dec-23	249.73
25-Nov-15	249.77	09-May-17	249.83	15-Jan-19	249.51	30-Sep-20	249.40	26-May-22	249.46	25-Jan-24	249.93
16-Dec-15	249.90	28-Jun-17	249.88	28-Feb-19	249.62	21-Oct-20	249.79	29-Jun-22	249.41	28-Feb-24	250.05
29-Jan-16	249.78	18-Jul-17	249.73	27-Mar-19	249.78	27-Nov-20	249.93	26-Jul-22	249.37	26-Mar-24	249.72
26-Feb-16	249.88	22-Aug-17	249.38	22-Apr-19	249.92	22-Dec-20	249.80	31-Aug-22	249.75	23-Apr-24	249.71
18-Mar-16	250.01	22-Sep-17	249.34	30-May-19	249.76	27-Jan-21	249.60	23-Sep-22	249.64	23-May-24	249.72
19-Apr-16	249.61	25-Oct-17	249.65	24-Jun-19	249.51	22-Feb-21	249.48	20-Oct-22	249.98	27-Jun-24	249.53
31-May-16	249.39	24-Nov-17	249.83	25-Jul-19	249.39	24-Mar-21	249.72	24-Nov-22	249.79	25-Jul-24	249.42
16-Jun-16	249.37	19-Dec-17	249.66	15-Aug-19	249.34	23-Apr-21	249.69	19-Dec-22	249.70	29-Aug-24	249.26
29-Jul-16	249.40	19-Jan-18	249.59	27-Sep-19	249.67	21-May-21	249.42	27-Jan-23	249.71	30-Sep-24	249.27
23-Aug-16	249.64	15-Feb-18	249.56	30-Oct-19	249.82	14-Jun-21	249.37	27-Feb-23	249.67	28-Oct-24	249.36
27-Sep-16	249.47	26-Mar-18	249.41	20-Nov-19	249.82	14-Jul-21	250.04	24-Mar-23	249.96	19-Nov-24	249.56
28-Oct-16	249.52	28-Apr-18	249.93	23-Dec-19	249.69	10-Aug-21	249.51	24-Apr-23	249.90	11-Dec-24	250.01

OW-3A

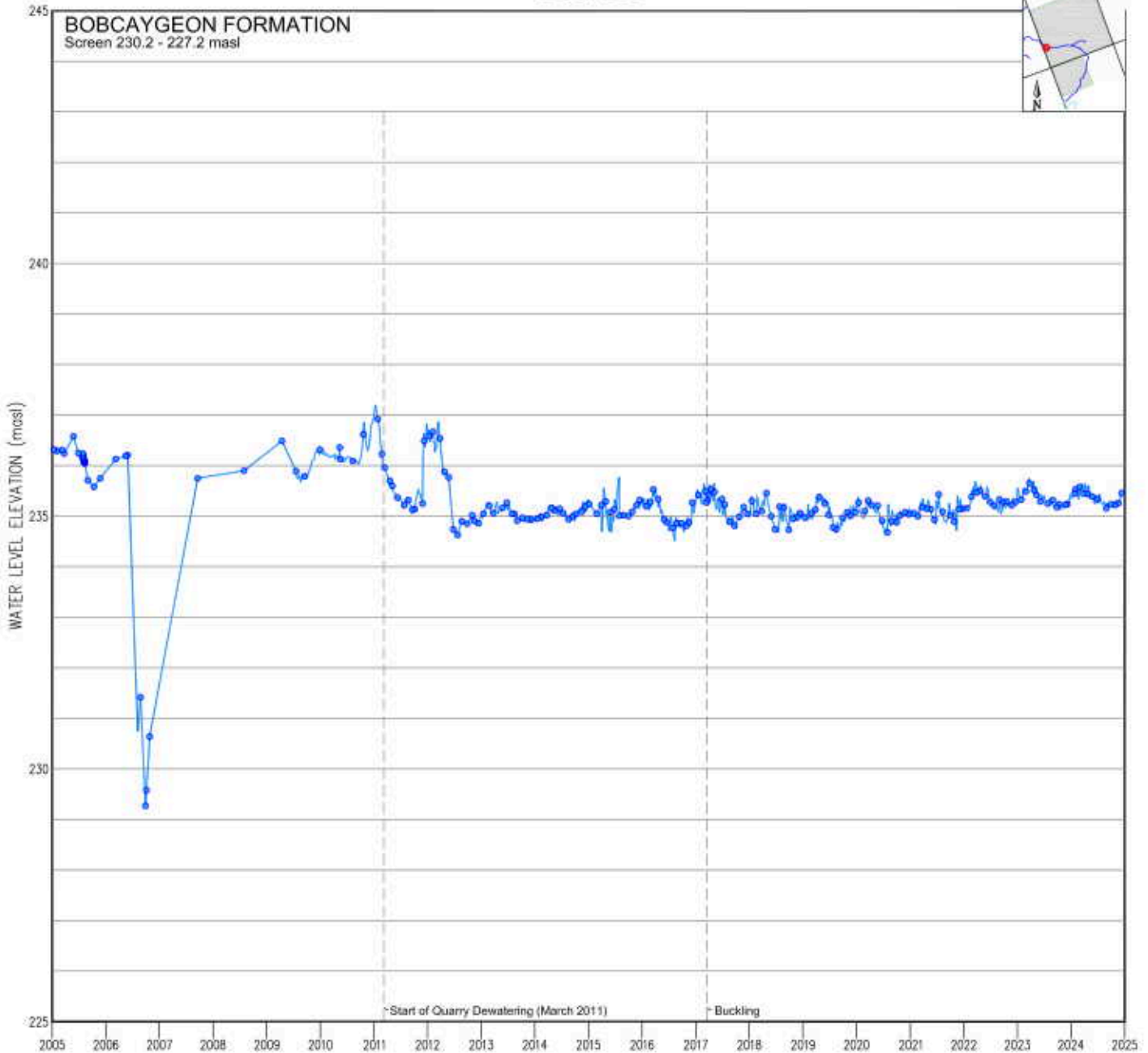
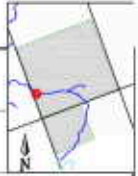


MP Elevation 243.83 masl

Grade 242.8 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
15-Jun-21	225.59	07-Mar-22	226.36	20-Jun-22	226.79	28-Sep-22	225.87	11-Jan-23	225.48	24-Apr-23	225.88
21-Jun-21	225.67	13-Mar-22	226.43	26-Jun-22	226.55	04-Oct-22	225.65	17-Jan-23	225.11	27-Apr-23	225.83
27-Jun-21	225.98	19-Mar-22	226.44	29-Jun-22	226.43	10-Oct-22	225.50	23-Jan-23	224.77	03-May-23	225.96
03-Jul-21	226.12	25-Mar-22	226.28	03-Jul-22	226.11	16-Oct-22	225.76	27-Jan-23	224.74	09-May-23	225.92
09-Jul-21	226.17	30-Mar-22	226.14	09-Jul-22	225.67	20-Oct-22	225.89	30-Jan-23	224.72	11-May-23	225.89
14-Jul-21	226.34	01-Apr-22	226.19	15-Jul-22	225.46	23-Oct-22	225.90	05-Feb-23	225.31	16-May-23	225.76
10-Aug-21	225.85	07-Apr-22	226.27	21-Jul-22	225.48	29-Oct-22	225.94	11-Feb-23	225.71	22-May-23	225.80
30-Sep-21	225.80	13-Apr-22	226.40	26-Jul-22	225.53	04-Nov-22	226.00	17-Feb-23	225.65	28-May-23	225.64
27-Oct-21	225.95	19-Apr-22	226.32	28-Jul-22	225.52	10-Nov-22	225.95	23-Feb-23	225.46	03-Jun-23	225.22
29-Nov-21	225.98	22-Apr-22	226.45	03-Aug-22	225.48	16-Nov-22	225.87	27-Feb-23	225.11	06-Jun-23	224.92
20-Dec-21	226.21	26-Apr-22	226.59	09-Aug-22	225.63	22-Nov-22	225.66	02-Mar-23	225.08	10-Jun-23	224.75
21-Jan-22	225.64	02-May-22	226.45	15-Aug-22	225.48	24-Nov-22	225.71	08-Mar-23	225.05	16-Jun-23	225.80
23-Jan-22	225.67	08-May-22	226.31	21-Aug-22	225.43	29-Nov-22	226.03	14-Mar-23	225.07	22-Jun-23	225.60
29-Jan-22	225.50	14-May-22	226.03	27-Aug-22	225.42	05-Dec-22	226.34	20-Mar-23	225.94	28-Jun-23	225.85
04-Feb-22	225.49	20-May-22	225.92	31-Aug-22	225.70	11-Dec-22	226.37	24-Mar-23	225.84	04-Jul-23	225.72
10-Feb-22	225.58	26-May-22	225.92	03-Sep-22	225.67	17-Dec-22	226.17	27-Mar-23	225.93	10-Jul-23	225.55
16-Feb-22	225.59	27-May-22	225.86	09-Sep-22	225.47	19-Dec-22	226.13	02-Apr-23	225.85	16-Jul-23	225.51
22-Feb-22	226.27	02-Jun-22	225.86	15-Sep-22	225.54	24-Dec-22	224.88	06-Apr-23	226.03	22-Jul-23	225.41
23-Feb-22	226.21	08-Jun-22	226.29	21-Sep-22	225.62	30-Dec-22	224.99	14-Apr-23	225.86	27-Jul-23	225.31
01-Mar-22	226.07	14-Jun-22	226.82	23-Sep-22	225.58	05-Jan-23	226.29	20-Apr-23	225.84	10-Oct-23	225.37

OW-3B



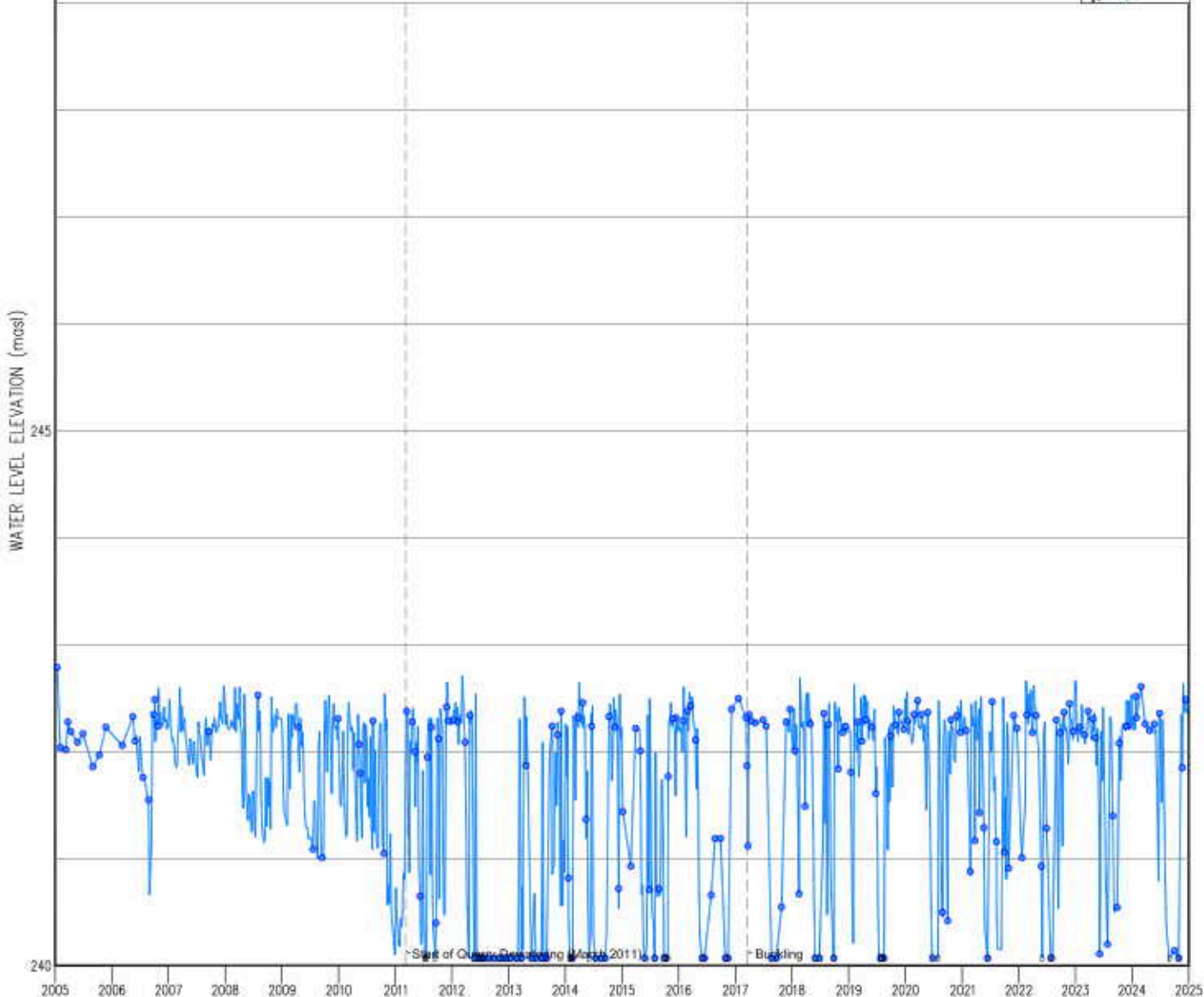
MP Elevation 243.79 masl
Grade 242.8 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
04-Mar-23	235.49	12-Jun-23	235.40	10-Oct-23	235.24	25-Jan-24	235.45	29-Apr-24	235.61	18-Aug-24	235.28
10-Mar-23	235.56	18-Jun-23	235.36	13-Oct-23	235.20	26-Jan-24	235.52	05-May-24	235.46	24-Aug-24	235.17
16-Mar-23	235.60	24-Jun-23	235.32	19-Oct-23	235.16	31-Jan-24	235.53	11-May-24	235.38	29-Aug-24	235.16
22-Mar-23	235.75	30-Jun-23	235.41	25-Oct-23	235.14	02-Feb-24	235.51	17-May-24	235.39	31-Aug-24	235.27
24-Mar-23	235.65	06-Jul-23	235.33	31-Oct-23	235.19	08-Feb-24	235.47	23-May-24	235.39	06-Sep-24	235.20
29-Mar-23	235.67	12-Jul-23	235.31	06-Nov-23	235.17	14-Feb-24	235.51	24-May-24	235.36	12-Sep-24	235.22
04-Apr-23	235.65	18-Jul-23	235.27	12-Nov-23	235.23	20-Feb-24	235.34	30-May-24	235.42	18-Sep-24	235.21
10-Apr-23	235.61	24-Jul-23	235.26	18-Nov-23	235.22	26-Feb-24	235.38	05-Jun-24	235.27	24-Sep-24	235.23
16-Apr-23	235.49	27-Jul-23	235.25	24-Nov-23	235.23	28-Feb-24	235.58	11-Jun-24	235.25	30-Sep-24	235.24
22-Apr-23	235.69	31-Jul-23	235.23	25-Nov-23	235.21	04-Mar-24	235.49	17-Jun-24	235.26	01-Oct-24	235.23
24-Apr-23	235.52	06-Aug-23	235.23	01-Dec-23	235.27	10-Mar-24	235.59	23-Jun-24	235.41	07-Oct-24	235.20
29-Apr-23	235.47	12-Aug-23	235.34	07-Dec-23	235.24	16-Mar-24	235.62	27-Jun-24	235.34	13-Oct-24	235.21
05-May-23	235.58	18-Aug-23	235.34	08-Dec-23	235.25	22-Mar-24	235.56	30-Jun-24	235.30	19-Oct-24	235.20
11-May-23	235.42	24-Aug-23	235.25	14-Dec-23	235.28	26-Mar-24	235.45	06-Jul-24	235.26	25-Oct-24	235.21
12-May-23	235.43	30-Aug-23	235.32	20-Dec-23	235.33	29-Mar-24	235.50	12-Jul-24	235.45	28-Oct-24	235.22
18-May-23	235.36	31-Aug-23	235.22	26-Dec-23	235.41	04-Apr-24	235.65	18-Jul-24	235.34	01-Nov-24	235.29
24-May-23	235.43	06-Sep-23	235.19	01-Jan-24	235.37	10-Apr-24	235.54	24-Jul-24	235.28	07-Nov-24	235.25
30-May-23	235.35	12-Sep-23	235.19	07-Jan-24	235.36	16-Apr-24	235.57	31-Jul-24	235.24	13-Nov-24	235.28
05-Jun-23	235.28	18-Sep-23	235.20	13-Jan-24	235.43	22-Apr-24	235.50	06-Aug-24	235.24	19-Nov-24	235.26
06-Jun-23	235.29	27-Sep-23	235.18	19-Jan-24	235.41	23-Apr-24	235.44	12-Aug-24	235.29	11-Dec-24	235.46

OW-3C



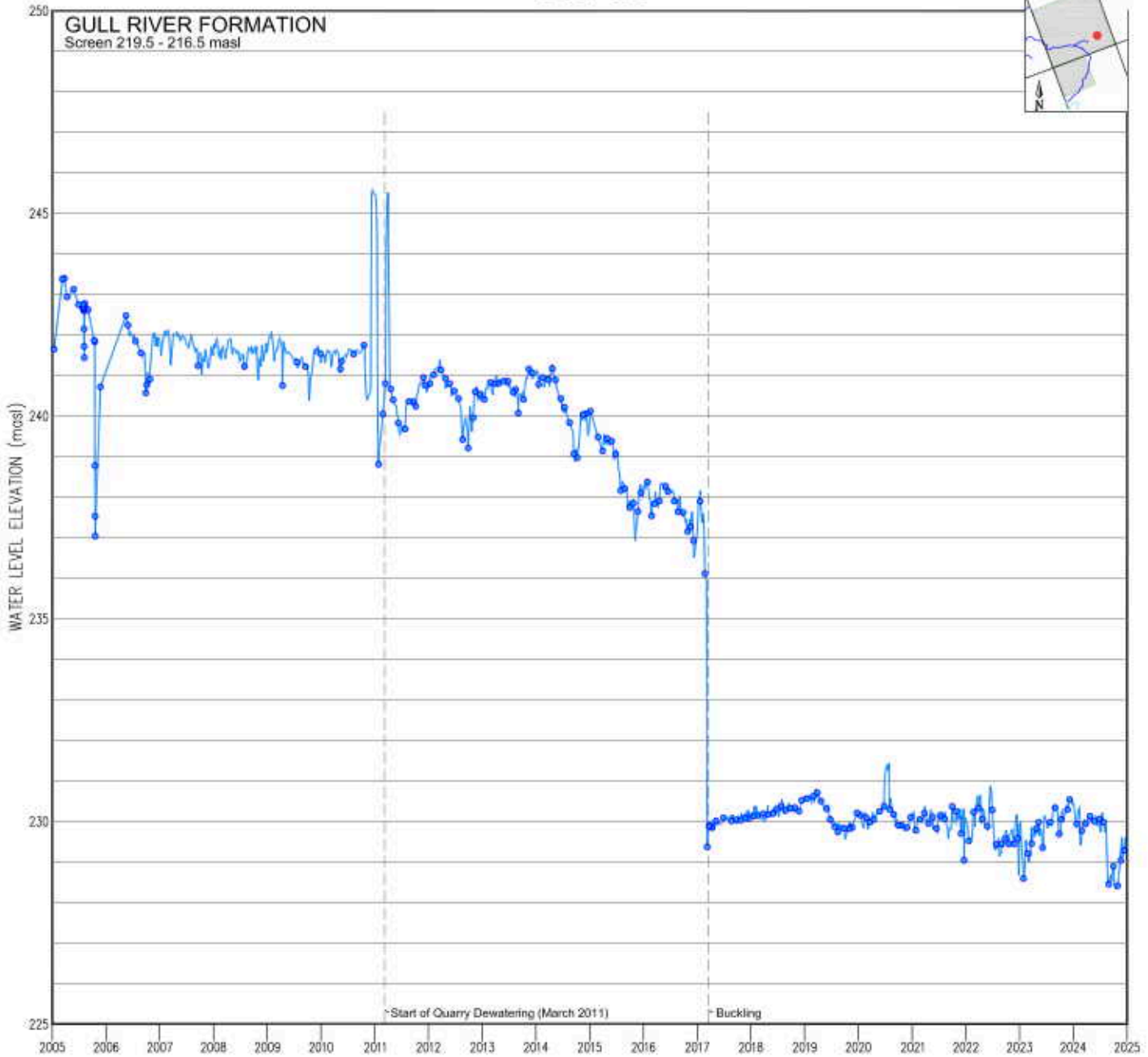
250
BOBCAYGEON FORMATION (Watertable)
Screen 241.6 - 240.1 masl



MP Elevation 243.79 masl
Grade 242.8 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
28-Sep-22	242.27	11-Jan-23	242.21	24-Apr-23	242.31	25-Aug-23	241.83	28-Dec-23	242.53	09-Jul-24	241.53
04-Oct-22	241.83	17-Jan-23	242.09	27-Apr-23	242.19	30-Aug-23	241.40	03-Jan-24	242.25	15-Jul-24	242.30
10-Oct-22	241.12	23-Jan-23	242.23	03-May-23	242.37	01-Sep-23	241.15	09-Jan-24	242.20	21-Jul-24	242.00
16-Oct-22	242.32	27-Jan-23	242.23	09-May-23	242.19	07-Sep-23	240.50	15-Jan-24	242.32	28-Jul-24	241.42
20-Oct-22	242.37	30-Jan-23	242.21	11-May-23	242.13	27-Sep-23	240.54	21-Jan-24	242.21	03-Aug-24	240.72
23-Oct-22	242.20	05-Feb-23	242.16	16-May-23	241.87	10-Oct-23	242.08	25-Jan-24	242.52	09-Aug-24	240.37
29-Oct-22	242.23	11-Feb-23	242.44	22-May-23	242.22	15-Oct-23	242.15	28-Jan-24	242.54	15-Aug-24	240.25
04-Nov-22	242.20	17-Feb-23	242.32	28-May-23	241.85	21-Oct-23	241.73	31-Jan-24	242.32	29-Aug-24	DRY
10-Nov-22	242.09	23-Feb-23	242.19	03-Jun-23	241.43	27-Oct-23	242.22	28-Feb-24	242.61	30-Sep-24	240.14
16-Nov-22	241.89	27-Feb-23	242.16	06-Jun-23	240.11	02-Nov-23	242.23	26-Mar-24	242.26	28-Oct-24	DRY
22-Nov-22	242.19	02-Mar-23	242.07	10-Jun-23	240.65	08-Nov-23	242.26	23-Apr-24	242.20	13-Nov-24	242.35
24-Nov-22	242.45	08-Mar-23	242.09	16-Jun-23	242.19	14-Nov-23	242.22	23-May-24	242.26	19-Nov-24	241.85
29-Nov-22	242.32	14-Mar-23	242.14	22-Jun-23	241.73	20-Nov-23	242.20	27-May-24	242.17	20-Nov-24	241.89
05-Dec-22	242.30	20-Mar-23	242.30	28-Jun-23	242.42	24-Nov-23	242.24	02-Jun-24	242.21	26-Nov-24	242.64
11-Dec-22	242.18	24-Mar-23	242.38	04-Jul-23	241.89	27-Nov-23	242.48	08-Jun-24	241.77	02-Dec-24	242.37
17-Dec-22	242.11	27-Mar-23	242.30	10-Jul-23	241.40	03-Dec-23	242.39	14-Jun-24	241.37	08-Dec-24	242.47
19-Dec-22	242.19	02-Apr-23	242.33	16-Jul-23	240.77	07-Dec-23	242.24	20-Jun-24	240.79	11-Dec-24	242.49
24-Dec-22	242.44	08-Apr-23	242.24	27-Jul-23	240.20	10-Dec-23	242.48	26-Jun-24	242.34	15-Dec-24	242.37
30-Dec-22	242.67	14-Apr-23	242.11	13-Aug-23	242.33	16-Dec-23	242.32	27-Jun-24	242.36	21-Dec-24	242.39
05-Jan-23	242.64	20-Apr-23	242.16	19-Aug-23	242.29	22-Dec-23	242.27	03-Jul-24	241.99	27-Dec-24	242.35

OW-4A

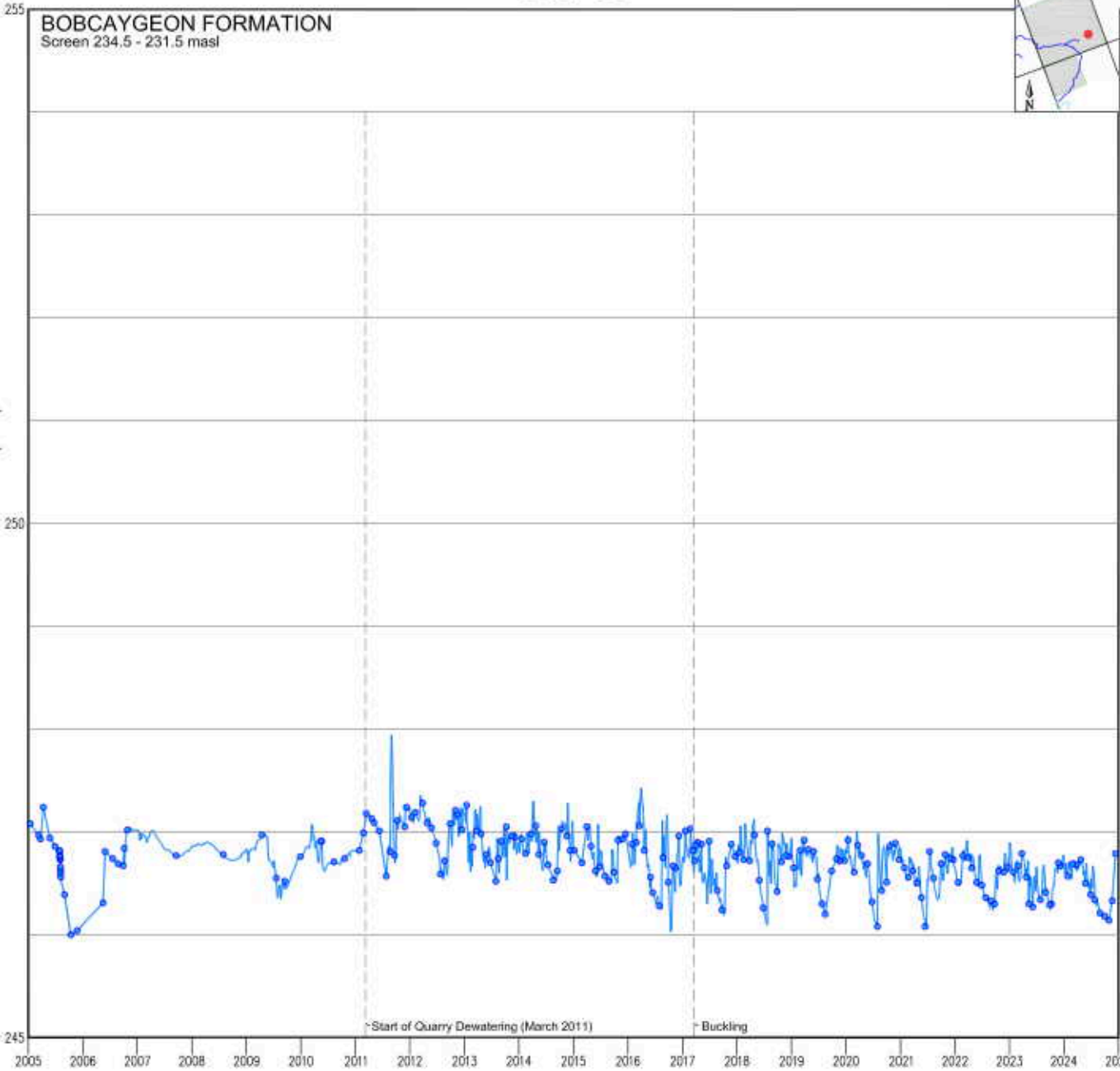


MP Elevation 248.68 masl

Grade 247.3 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
22-Apr-23	229.70	31-Jul-23	229.95	13-Nov-23	230.36	28-Feb-24	229.77	10-Jun-24	229.91	23-Sep-24	228.78
24-Apr-23	229.82	06-Aug-23	229.90	19-Nov-23	230.40	03-Mar-24	229.75	16-Jun-24	229.89	29-Sep-24	228.88
29-Apr-23	229.70	12-Aug-23	230.08	24-Nov-23	230.29	09-Mar-24	229.98	22-Jun-24	229.90	30-Sep-24	228.90
05-May-23	229.79	18-Aug-23	230.37	26-Nov-23	230.38	15-Mar-24	230.02	27-Jun-24	230.06	06-Oct-24	228.43
11-May-23	229.98	24-Aug-23	230.38	02-Dec-23	230.42	21-Mar-24	229.94	29-Jun-24	230.11	12-Oct-24	228.38
12-May-23	229.84	30-Aug-23	230.34	07-Dec-23	230.54	26-Mar-24	229.95	05-Jul-24	229.74	18-Oct-24	228.35
18-May-23	229.64	31-Aug-23	230.33	09-Dec-23	230.52	28-Mar-24	229.88	11-Jul-24	230.01	24-Oct-24	228.40
24-May-23	229.83	06-Sep-23	230.36	15-Dec-23	230.57	03-Apr-24	229.93	17-Jul-24	230.22	28-Oct-24	228.41
30-May-23	229.74	12-Sep-23	230.24	21-Dec-23	230.54	09-Apr-24	230.09	23-Jul-24	230.03	31-Oct-24	228.50
05-Jun-23	229.34	18-Sep-23	230.24	27-Dec-23	230.42	15-Apr-24	230.13	25-Jul-24	229.98	06-Nov-24	228.69
06-Jun-23	229.35	24-Sep-23	229.75	02-Jan-24	230.45	21-Apr-24	230.10	30-Jul-24	229.90	12-Nov-24	228.86
12-Jun-23	229.31	27-Sep-23	229.69	08-Jan-24	230.31	23-Apr-24	230.13	05-Aug-24	229.74	18-Nov-24	229.21
18-Jun-23	230.14	01-Oct-23	229.63	14-Jan-24	230.01	28-Apr-24	229.99	11-Aug-24	229.91	19-Nov-24	229.04
24-Jun-23	230.05	07-Oct-23	229.78	20-Jan-24	230.01	04-May-24	230.11	17-Aug-24	229.17	25-Nov-24	229.61
30-Jun-23	230.04	10-Oct-23	230.05	25-Jan-24	229.93	10-May-24	230.07	23-Aug-24	228.47	01-Dec-24	229.47
06-Jul-23	229.96	14-Oct-23	230.23	01-Feb-24	230.24	16-May-24	230.01	29-Aug-24	228.45	07-Dec-24	229.13
12-Jul-23	229.84	20-Oct-23	230.27	07-Feb-24	230.30	22-May-24	230.00	30-Aug-24	228.47	11-Dec-24	229.29
18-Jul-23	229.96	26-Oct-23	230.01	13-Feb-24	230.34	23-May-24	230.00	05-Sep-24	228.58	14-Dec-24	229.23
24-Jul-23	229.96	01-Nov-23	230.15	19-Feb-24	229.41	29-May-24	230.13	11-Sep-24	228.68	20-Dec-24	229.60
27-Jul-23	229.98	07-Nov-23	230.22	25-Feb-24	229.52	04-Jun-24	230.10	17-Sep-24	228.53	26-Dec-24	229.52

OW-4B

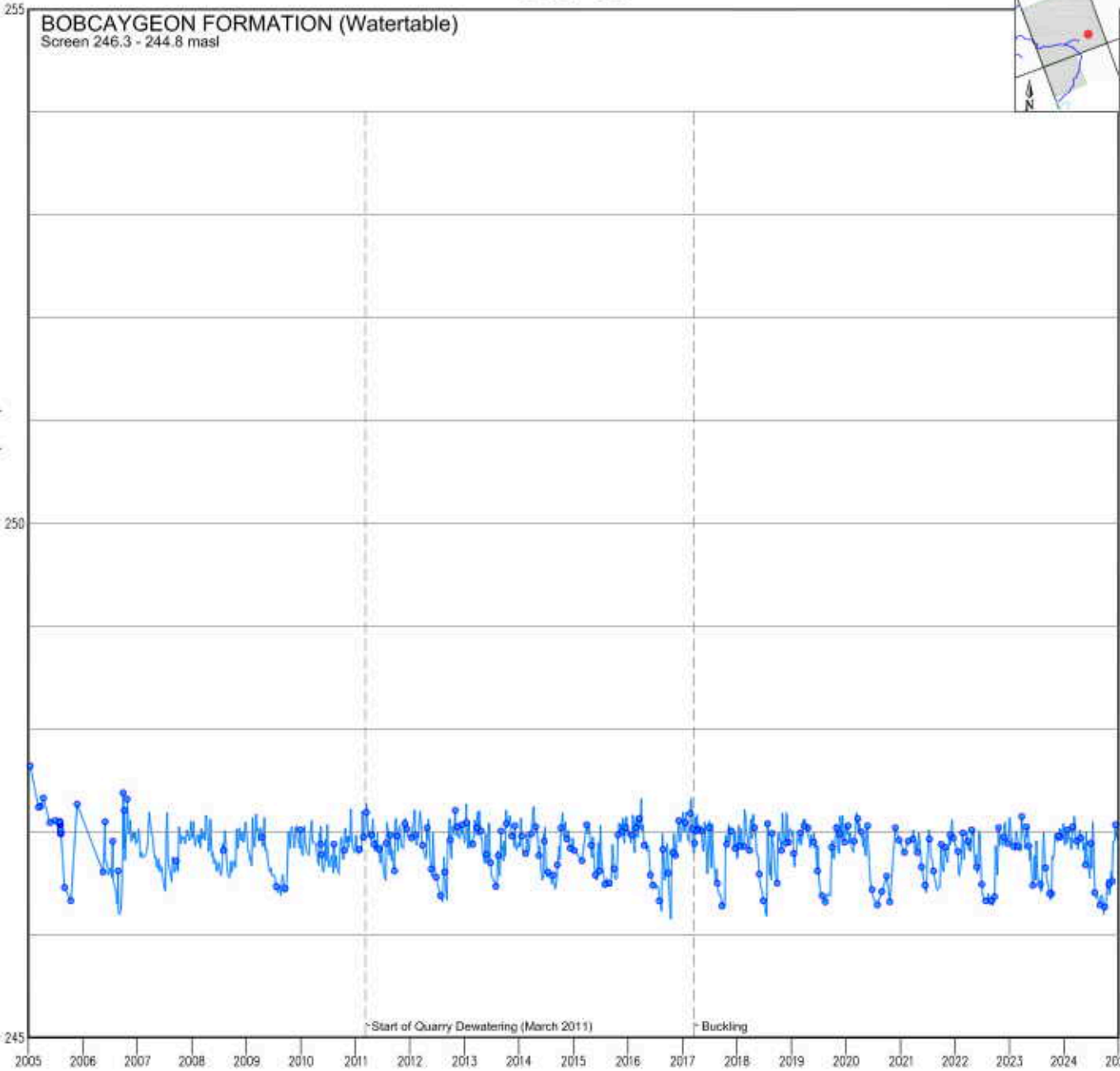


MP Elevation 248.31 masl

Grade 247.3 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
08-Jan-23	246.88	23-Apr-23	246.65	01-Aug-23	246.38	14-Nov-23	246.65	28-Feb-24	246.69	11-Jun-24	246.49
14-Jan-23	246.69	24-Apr-23	246.56	07-Aug-23	246.40	20-Nov-23	246.60	04-Mar-24	246.69	17-Jun-24	246.44
20-Jan-23	246.63	30-Apr-23	246.63	13-Aug-23	246.64	24-Nov-23	246.70	10-Mar-24	246.72	23-Jun-24	246.51
26-Jan-23	246.61	06-May-23	246.72	19-Aug-23	246.68	27-Nov-23	246.66	16-Mar-24	246.71	27-Jun-24	246.39
27-Jan-23	246.61	11-May-23	246.30	25-Aug-23	246.56	03-Dec-23	246.72	22-Mar-24	246.64	30-Jun-24	246.55
02-Feb-23	246.53	13-May-23	246.58	30-Aug-23	246.41	07-Dec-23	246.67	26-Mar-24	246.68	06-Jul-24	246.45
08-Feb-23	246.52	19-May-23	246.47	01-Sep-23	246.46	10-Dec-23	246.69	29-Mar-24	246.62	12-Jul-24	246.67
14-Feb-23	246.71	25-May-23	246.56	07-Sep-23	246.41	16-Dec-23	246.65	04-Apr-24	246.66	18-Jul-24	246.61
20-Feb-23	246.72	31-May-23	246.43	13-Sep-23	246.36	22-Dec-23	246.67	10-Apr-24	246.67	24-Jul-24	246.47
26-Feb-23	246.61	06-Jun-23	246.27	19-Sep-23	246.34	28-Dec-23	246.78	16-Apr-24	246.74	25-Jul-24	246.34
27-Feb-23	246.67	07-Jun-23	246.31	25-Sep-23	246.30	03-Jan-24	246.68	22-Apr-24	246.70	31-Jul-24	246.33
05-Mar-23	246.53	13-Jun-23	246.55	27-Sep-23	246.29	09-Jan-24	246.59	23-Apr-24	246.73	08-Aug-24	246.29
11-Mar-23	246.52	19-Jun-23	246.57	02-Oct-23	246.25	15-Jan-24	246.70	29-Apr-24	246.71	12-Aug-24	246.32
17-Mar-23	246.57	25-Jun-23	246.43	08-Oct-23	246.27	21-Jan-24	246.61	05-May-24	246.68	18-Aug-24	246.28
23-Mar-23	246.80	01-Jul-23	246.66	10-Oct-23	246.30	25-Jan-24	246.57	11-May-24	246.58	24-Aug-24	246.24
24-Mar-23	246.79	07-Jul-23	246.49	15-Oct-23	246.45	02-Feb-24	246.71	17-May-24	246.62	29-Aug-24	246.21
30-Mar-23	246.77	13-Jul-23	246.40	21-Oct-23	246.45	08-Feb-24	246.65	23-May-24	246.50	30-Sep-24	246.18
05-Apr-23	246.74	19-Jul-23	246.35	27-Oct-23	246.50	14-Feb-24	246.66	24-May-24	246.60	28-Oct-24	246.14
11-Apr-23	246.69	25-Jul-23	246.34	02-Nov-23	246.64	20-Feb-24	246.54	30-May-24	246.70	19-Nov-24	246.33
17-Apr-23	246.58	27-Jul-23	246.34	08-Nov-23	246.63	26-Feb-24	246.64	05-Jun-24	246.55	11-Dec-24	246.79

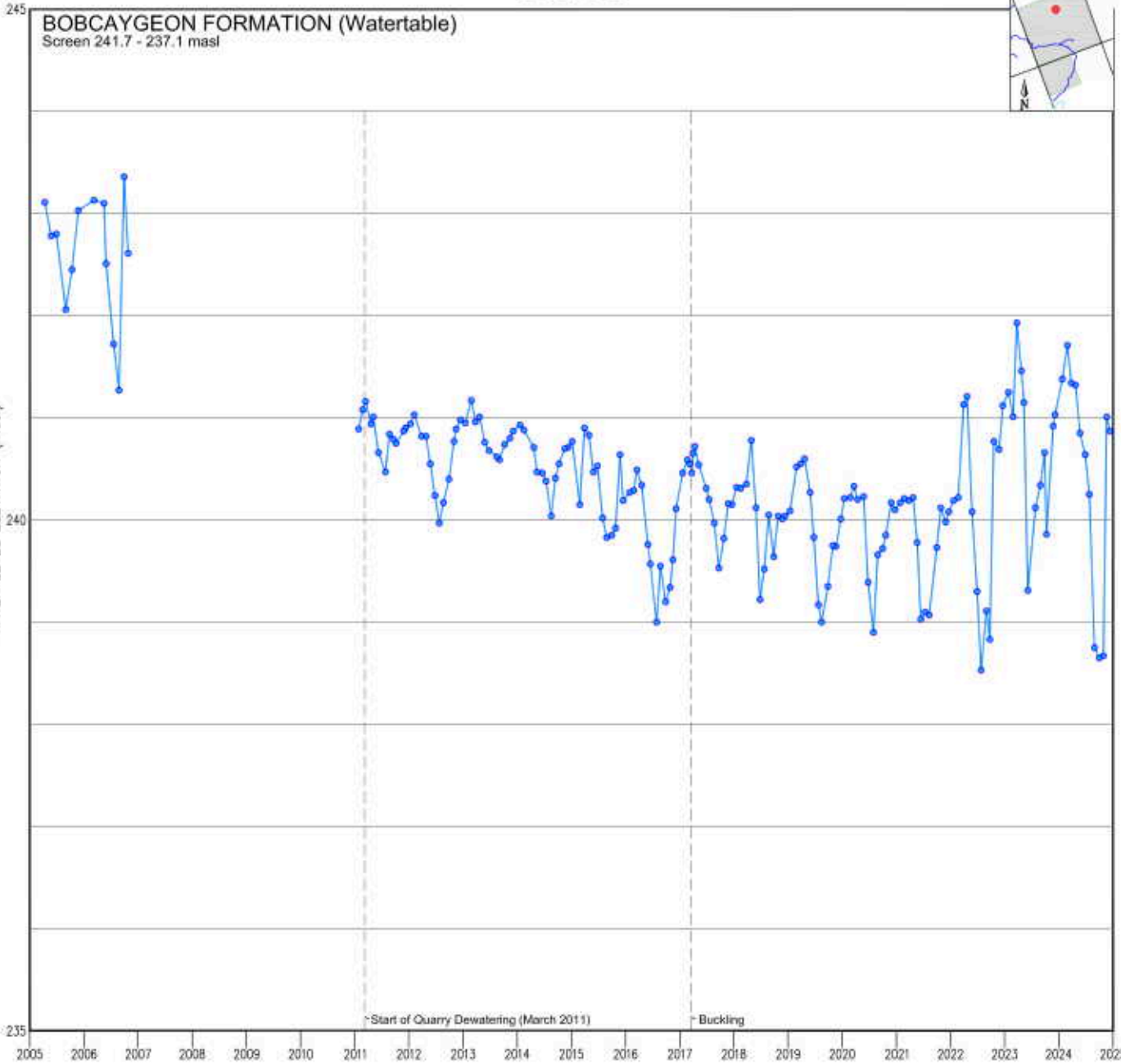
OW-4C



MP Elevation 248.31 masl
Grade 247.3 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
22-Apr-23	247.01	31-Jul-23	246.42	13-Nov-23	246.93	28-Feb-24	247.05	10-Jun-24	246.75	23-Sep-24	246.20
24-Apr-23	247.05	06-Aug-23	246.44	19-Nov-23	246.91	03-Mar-24	246.99	16-Jun-24	246.62	29-Sep-24	246.29
29-Apr-23	246.95	12-Aug-23	246.82	24-Nov-23	246.96	09-Mar-24	247.15	22-Jun-24	246.55	30-Sep-24	246.27
05-May-23	247.05	18-Aug-23	246.99	26-Nov-23	246.94	15-Mar-24	247.07	27-Jun-24	246.89	06-Oct-24	246.26
11-May-23	246.86	24-Aug-23	246.77	02-Dec-23	247.04	21-Mar-24	246.91	29-Jun-24	246.79	12-Oct-24	246.38
12-May-23	246.82	30-Aug-23	246.65	07-Dec-23	246.95	26-Mar-24	246.91	05-Jul-24	246.64	18-Oct-24	246.54
18-May-23	246.72	31-Aug-23	246.68	09-Dec-23	247.02	28-Mar-24	246.95	11-Jul-24	247.10	24-Oct-24	246.45
24-May-23	246.82	06-Sep-23	246.57	15-Dec-23	246.96	03-Apr-24	246.83	17-Jul-24	246.90	28-Oct-24	246.49
30-May-23	246.63	12-Sep-23	246.51	21-Dec-23	246.97	09-Apr-24	246.92	23-Jul-24	246.58	31-Oct-24	246.39
05-Jun-23	246.47	18-Sep-23	246.48	27-Dec-23	247.08	15-Apr-24	247.02	25-Jul-24	246.41	06-Nov-24	246.43
06-Jun-23	246.48	24-Sep-23	246.42	02-Jan-24	246.95	21-Apr-24	246.96	30-Jul-24	246.39	12-Nov-24	246.61
12-Jun-23	246.51	27-Sep-23	246.40	08-Jan-24	246.87	23-Apr-24	246.94	05-Aug-24	246.36	18-Nov-24	246.50
18-Jun-23	246.77	01-Oct-23	246.34	14-Jan-24	247.02	28-Apr-24	246.96	11-Aug-24	246.38	19-Nov-24	246.52
24-Jun-23	246.53	07-Oct-23	246.35	20-Jan-24	246.89	04-May-24	246.92	17-Aug-24	246.35	25-Nov-24	246.90
30-Jun-23	246.91	10-Oct-23	246.40	25-Jan-24	247.02	10-May-24	246.82	23-Aug-24	246.32	01-Dec-24	246.91
06-Jul-23	246.65	14-Oct-23	246.76	01-Feb-24	247.00	16-May-24	246.89	29-Aug-24	246.29	07-Dec-24	246.91
12-Jul-23	246.53	20-Oct-23	246.74	07-Feb-24	246.93	22-May-24	246.73	30-Aug-24	246.33	11-Dec-24	247.07
18-Jul-23	246.54	26-Oct-23	246.78	13-Feb-24	246.95	23-May-24	246.68	05-Sep-24	246.38	14-Dec-24	246.96
24-Jul-23	246.50	01-Nov-23	246.94	19-Feb-24	246.83	29-May-24	247.01	11-Sep-24	246.38	20-Dec-24	247.01
27-Jul-23	246.49	07-Nov-23	246.98	25-Feb-24	246.92	04-Jun-24	246.75	17-Sep-24	246.34	26-Dec-24	246.92

OW-6C

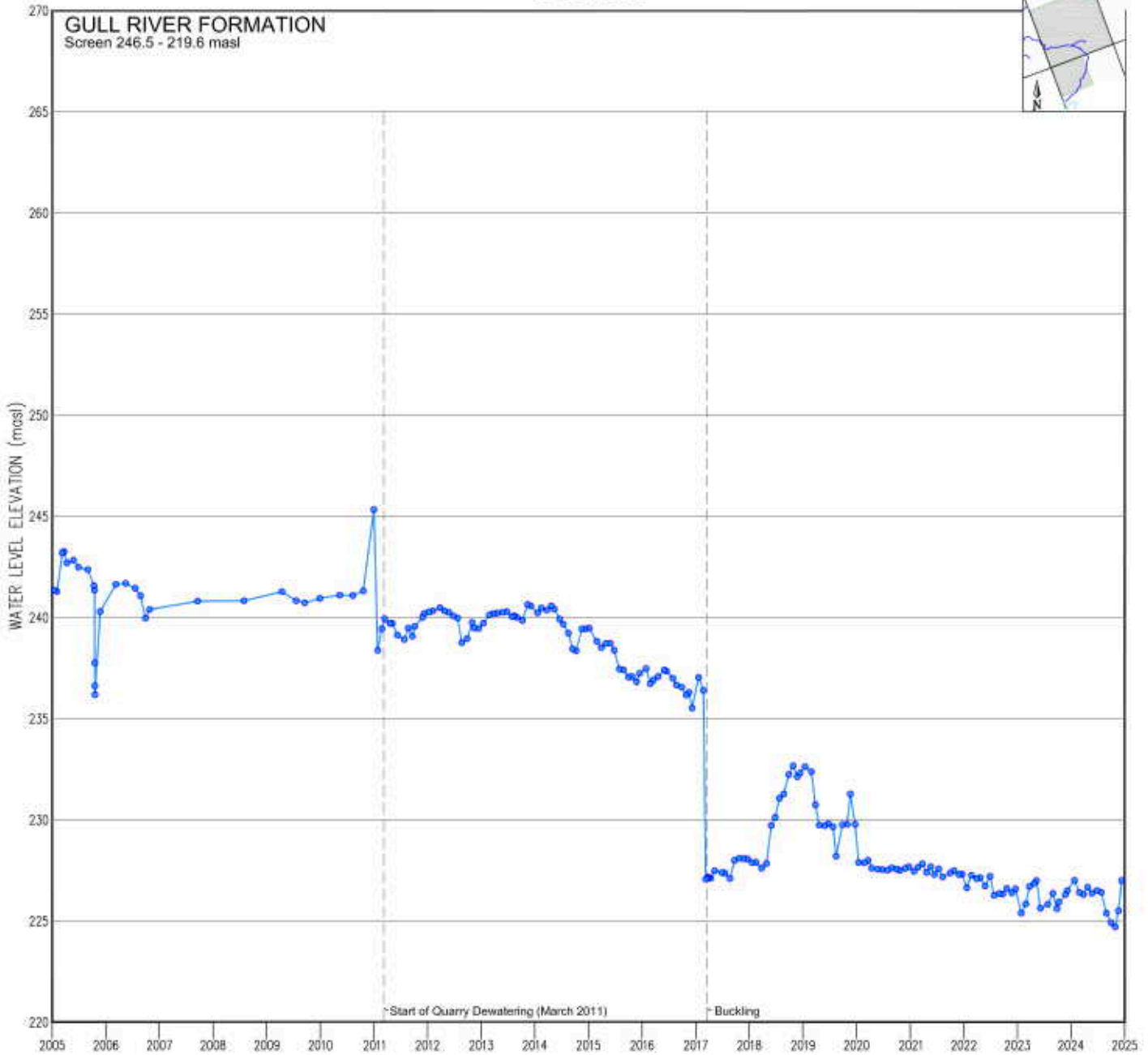


MP Elevation 244.18 masl

Grade 243.3 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
30-Mar-15	240.90	15-Nov-16	239.61	30-May-18	240.12	15-Jan-20	240.21	30-Sep-21	239.73	11-May-23	241.15
29-Apr-15	240.83	07-Dec-16	240.11	26-Jun-18	239.22	25-Feb-20	240.22	27-Oct-21	240.12	06-Jun-23	239.31
29-May-15	240.47	20-Jan-17	240.46	25-Jul-18	239.52	20-Mar-20	240.33	29-Nov-21	239.98	27-Jul-23	240.12
26-Jun-15	240.53	22-Feb-17	240.59	23-Aug-18	240.05	14-Apr-20	240.20	20-Dec-21	240.08	30-Aug-23	240.34
31-Jul-15	240.02	10-Mar-17	240.55	27-Sep-18	239.64	25-May-20	240.23	21-Jan-22	240.19	27-Sep-23	240.66
27-Aug-15	239.83	23-Mar-17	240.46	26-Oct-18	240.04	24-Jun-20	239.39	22-Feb-22	240.22	10-Oct-23	239.86
30-Sep-15	239.85	30-Mar-17	240.65	23-Nov-18	240.01	30-Jul-20	238.90	30-Mar-22	241.13	24-Nov-23	240.92
26-Oct-15	239.92	13-Apr-17	240.72	12-Dec-18	240.04	28-Aug-20	239.68	22-Apr-22	241.21	07-Dec-23	241.03
25-Nov-15	240.64	09-May-17	240.54	15-Jan-19	240.09	30-Sep-20	239.72	26-May-22	240.08	25-Jan-24	241.38
16-Dec-15	240.19	28-Jun-17	240.31	28-Feb-19	240.52	21-Oct-20	239.85	29-Jun-22	239.30	28-Feb-24	241.71
29-Jan-16	240.27	18-Jul-17	240.20	27-Mar-19	240.55	27-Nov-20	240.17	26-Jul-22	238.53	26-Mar-24	241.34
26-Feb-16	240.29	22-Aug-17	239.97	22-Apr-19	240.60	22-Dec-20	240.10	31-Aug-22	239.11	23-Apr-24	241.32
18-Mar-16	240.49	22-Sep-17	239.53	30-May-19	240.27	27-Jan-21	240.17	23-Sep-22	238.83	23-May-24	240.85
19-Apr-16	240.34	25-Oct-17	239.82	24-Jun-19	239.83	22-Feb-21	240.21	20-Oct-22	240.77	27-Jun-24	240.64
31-May-16	239.76	24-Nov-17	240.16	25-Jul-19	239.17	24-Mar-21	240.19	24-Nov-22	240.69	25-Jul-24	240.25
16-Jun-16	239.57	19-Dec-17	240.15	15-Aug-19	239.00	23-Apr-21	240.22	19-Dec-22	241.12	29-Aug-24	238.75
29-Jul-16	239.00	19-Jan-18	240.32	27-Sep-19	239.35	21-May-21	239.78	27-Jan-23	241.25	30-Sep-24	238.65
23-Aug-16	239.55	15-Feb-18	240.31	30-Oct-19	239.75	14-Jun-21	239.03	27-Feb-23	241.01	28-Oct-24	238.67
27-Sep-16	239.20	26-Mar-18	240.35	20-Nov-19	239.74	14-Jul-21	239.10	24-Mar-23	241.93	19-Nov-24	241.01
28-Oct-16	239.34	28-Apr-18	240.78	23-Dec-19	240.01	10-Aug-21	239.07	24-Apr-23	241.46	11-Dec-24	240.87

OW-7A



MP Elevation 247.49 masl

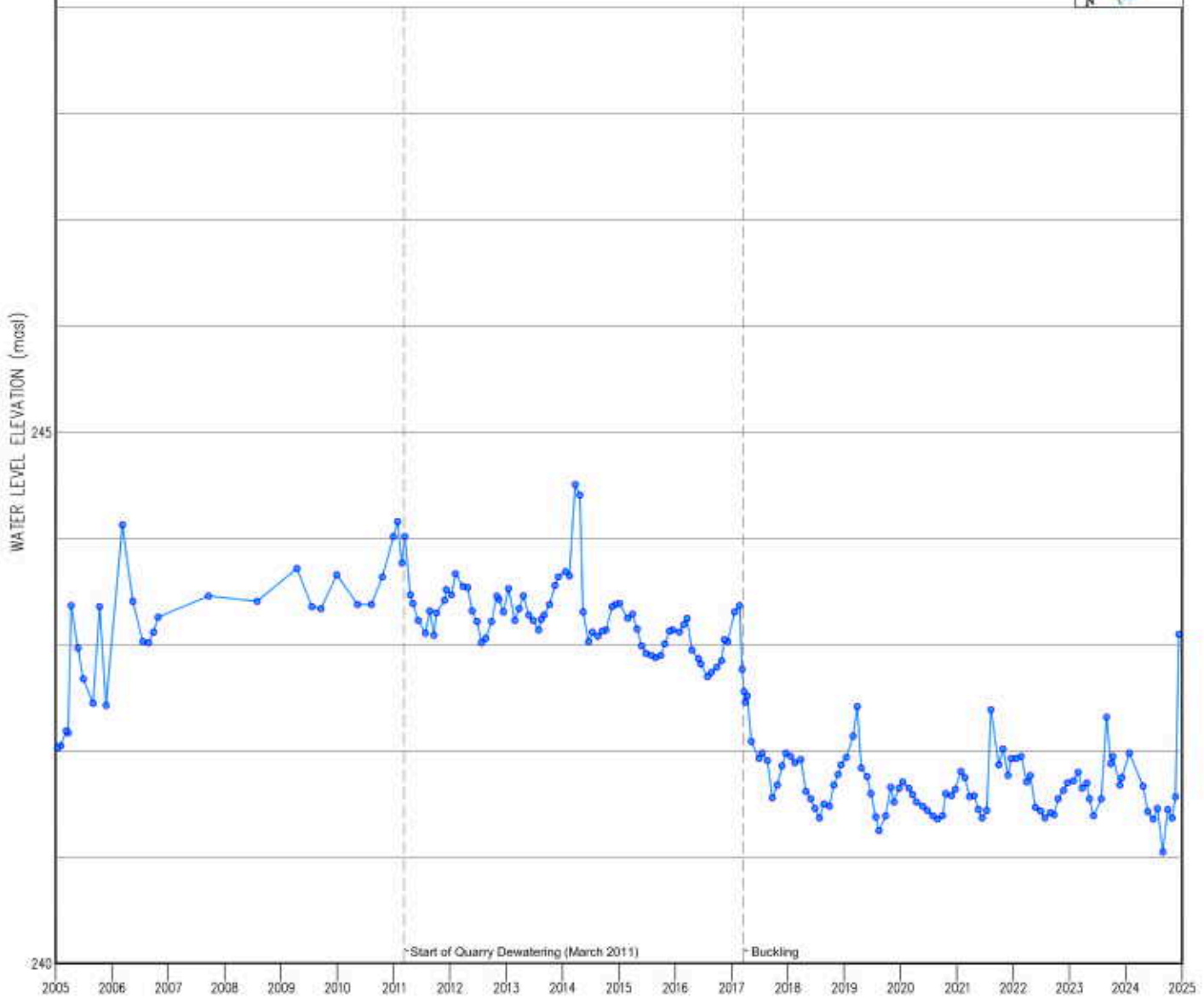
Grade 246.7 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
30-Mar-15	238.52	15-Nov-16	236.30	30-May-18	229.72	15-Jan-20	227.89	30-Sep-21	227.37	11-May-23	227.00
29-Apr-15	238.72	07-Dec-16	235.52	26-Jun-18	230.12	25-Feb-20	227.88	27-Oct-21	227.48	06-Jun-23	225.63
29-May-15	238.73	20-Jan-17	237.04	25-Jul-18	231.06	20-Mar-20	228.00	29-Nov-21	227.29	27-Jul-23	225.82
26-Jun-15	238.38	22-Feb-17	236.40	23-Aug-18	231.28	14-Apr-20	227.61	20-Dec-21	227.32	30-Aug-23	226.37
31-Jul-15	237.45	10-Mar-17	227.07	27-Sep-18	232.24	25-May-20	227.56	21-Jan-22	226.64	27-Sep-23	225.61
27-Aug-15	237.42	23-Mar-17	227.12	26-Oct-18	232.67	24-Jun-20	227.54	22-Feb-22	227.26	10-Oct-23	225.93
30-Sep-15	237.06	30-Mar-17	227.17	23-Nov-18	232.13	30-Jul-20	227.51	30-Mar-22	227.09	24-Nov-23	226.31
26-Oct-15	237.08	13-Apr-17	227.11	12-Dec-18	232.31	28-Aug-20	227.62	22-Apr-22	227.14	07-Dec-23	226.50
25-Nov-15	236.82	09-May-17	227.48	15-Jan-19	232.63	30-Sep-20	227.57	26-May-22	226.73	25-Jan-24	227.01
16-Dec-15	237.24	28-Jun-17	227.39	28-Feb-19	232.38	21-Oct-20	227.50	29-Jun-22	227.21	28-Feb-24	226.41
29-Jan-16	237.48	18-Jul-17	227.37	27-Mar-19	230.74	27-Nov-20	227.60	26-Jul-22	226.27	26-Mar-24	226.31
26-Feb-16	236.73	22-Aug-17	227.10	22-Apr-19	229.74	22-Dec-20	227.68	31-Aug-22	226.36	23-Apr-24	226.67
18-Mar-16	236.91	22-Sep-17	228.00	30-May-19	229.71	27-Jan-21	227.45	23-Sep-22	226.33	23-May-24	226.37
19-Apr-16	237.08	25-Oct-17	228.10	24-Jun-19	229.81	22-Feb-21	227.65	20-Oct-22	226.61	27-Jun-24	226.51
31-May-16	237.41	24-Nov-17	228.08	25-Jul-19	229.66	24-Mar-21	227.83	24-Nov-22	226.39	25-Jul-24	226.42
16-Jun-16	237.35	19-Dec-17	228.07	15-Aug-19	228.20	23-Apr-21	227.40	19-Dec-22	226.59	29-Aug-24	225.39
29-Jul-16	237.00	19-Jan-18	227.89	27-Sep-19	229.76	21-May-21	227.68	27-Jan-23	225.39	30-Sep-24	224.91
23-Aug-16	236.67	15-Feb-18	227.90	30-Oct-19	229.78	14-Jun-21	227.30	27-Feb-23	225.84	28-Oct-24	224.71
27-Sep-16	236.56	26-Mar-18	227.61	20-Nov-19	231.28	14-Jul-21	227.58	24-Mar-23	226.70	19-Nov-24	225.50
28-Oct-16	236.17	28-Apr-18	227.84	23-Dec-19	229.78	10-Aug-21	227.18	24-Apr-23	226.86	11-Dec-24	227.00

OW-7B



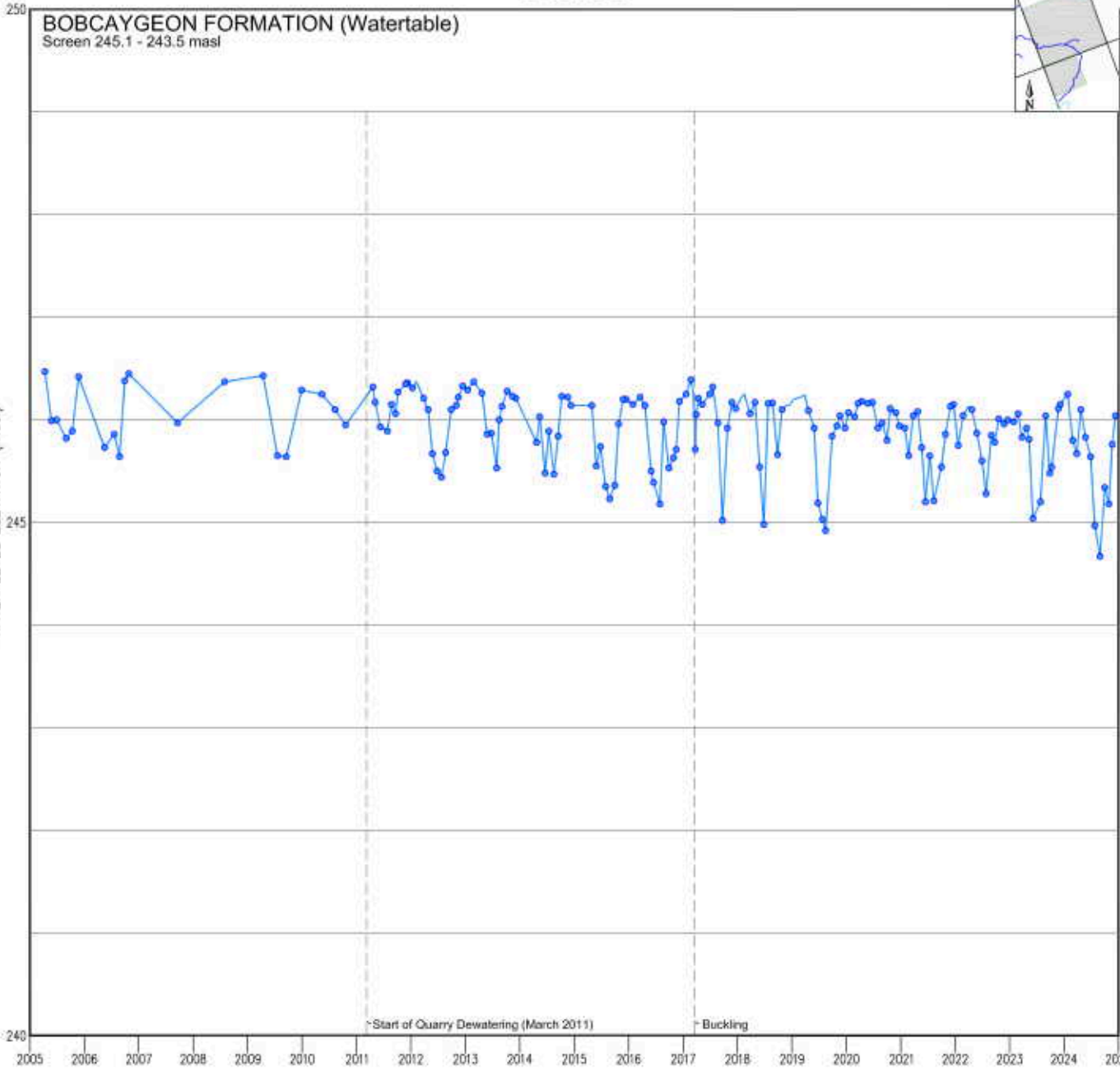
BOBCAYGEON FORMATION
Screen 234.3 - 231.2 masl



MP Elevation 247.53 masl
Grade 246.6 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
06-Jan-15	243.39	27-Sep-16	242.79	26-Mar-18	241.92	20-Nov-19	241.52	14-Jul-21	241.44	24-Mar-23	241.65
27-Feb-15	243.25	28-Oct-16	242.85	28-Apr-18	241.62	23-Dec-19	241.65	10-Aug-21	242.39	24-Apr-23	241.70
30-Mar-15	243.29	15-Nov-16	243.05	30-May-18	241.55	15-Jan-20	241.71	30-Sep-21	241.67	11-May-23	241.55
29-Apr-15	243.15	07-Dec-16	243.03	26-Jun-18	241.46	25-Feb-20	241.65	27-Oct-21	242.02	06-Jun-23	241.39
29-May-15	242.99	20-Jan-17	243.31	25-Jul-18	241.37	20-Mar-20	241.59	29-Nov-21	241.77	27-Jul-23	241.55
26-Jun-15	242.92	22-Feb-17	243.37	23-Aug-18	241.50	14-Apr-20	241.52	20-Dec-21	241.93	30-Aug-23	242.32
31-Jul-15	242.90	10-Mar-17	242.77	27-Sep-18	241.48	25-May-20	241.48	21-Jan-22	241.93	27-Sep-23	241.88
27-Aug-15	242.88	23-Mar-17	242.56	26-Oct-18	241.68	24-Jun-20	241.44	22-Feb-22	241.95	10-Oct-23	241.95
30-Sep-15	242.90	30-Mar-17	242.46	23-Nov-18	241.78	30-Jul-20	241.39	30-Mar-22	241.71	24-Nov-23	241.68
26-Oct-15	243.01	13-Apr-17	242.52	12-Dec-18	241.87	28-Aug-20	241.36	22-Apr-22	241.77	07-Dec-23	241.75
25-Nov-15	243.13	09-May-17	242.09	15-Jan-19	241.94	30-Sep-20	241.39	26-May-22	241.47	25-Jan-24	241.98
16-Dec-15	243.14	28-Jun-17	241.93	28-Feb-19	242.14	21-Oct-20	241.60	29-Jun-22	241.43	23-Apr-24	241.67
29-Jan-16	243.12	18-Jul-17	241.98	27-Mar-19	242.42	27-Nov-20	241.58	26-Jul-22	241.37	23-May-24	241.43
26-Feb-16	243.19	22-Aug-17	241.91	22-Apr-19	241.84	22-Dec-20	241.64	31-Aug-22	241.42	27-Jun-24	241.36
18-Mar-16	243.25	22-Sep-17	241.56	30-May-19	241.76	27-Jan-21	241.81	23-Sep-22	241.40	25-Jul-24	241.46
19-Apr-16	242.95	25-Oct-17	241.68	24-Jun-19	241.60	22-Feb-21	241.75	20-Oct-22	241.55	29-Aug-24	241.05
31-May-16	242.87	24-Nov-17	241.86	25-Jul-19	241.38	24-Mar-21	241.57	24-Nov-22	241.63	30-Sep-24	241.45
16-Jun-16	242.82	19-Dec-17	241.98	15-Aug-19	241.25	23-Apr-21	241.58	19-Dec-22	241.70	28-Oct-24	241.37
29-Jul-16	242.70	19-Jan-18	241.95	27-Sep-19	241.39	21-May-21	241.45	27-Jan-23	241.72	19-Nov-24	241.57
23-Aug-16	242.74	15-Feb-18	241.89	30-Oct-19	241.66	14-Jun-21	241.37	27-Feb-23	241.80	11-Dec-24	243.10

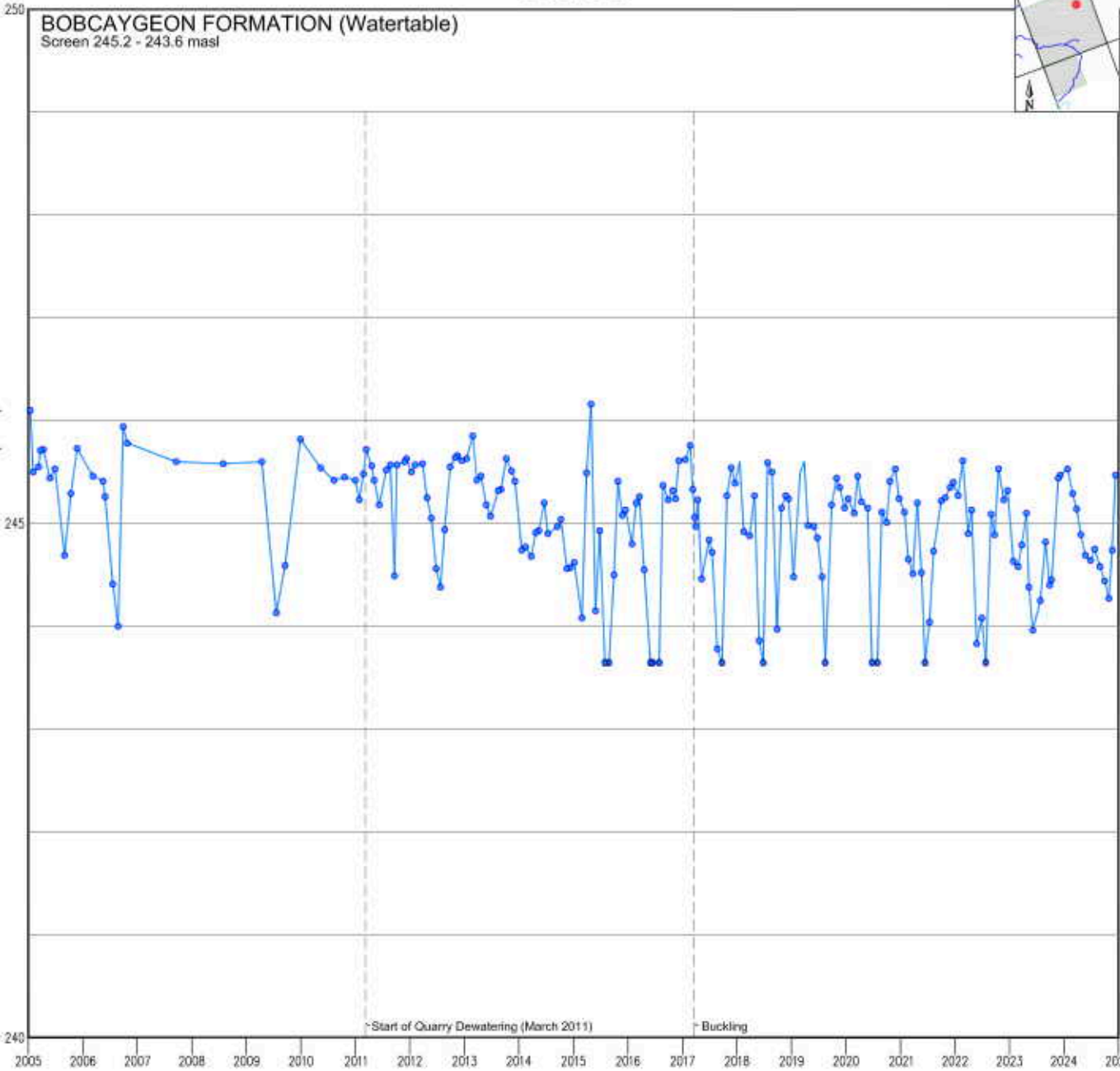
OW-7C



MP Elevation 247.53 masl
Grade 246.6 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
18-Nov-14	246.22	15-Nov-16	245.71	30-May-18	245.54	15-Jan-20	246.07	30-Sep-21	245.54	11-May-23	245.81
10-Dec-14	246.14	07-Dec-16	246.18	26-Jun-18	244.98	25-Feb-20	246.03	27-Oct-21	245.86	06-Jun-23	245.04
29-Apr-15	246.14	20-Jan-17	246.25	25-Jul-18	246.16	20-Mar-20	246.16	29-Nov-21	246.13	27-Jul-23	245.20
29-May-15	245.55	22-Feb-17	246.39	23-Aug-18	246.16	14-Apr-20	246.18	20-Dec-21	246.15	30-Aug-23	246.04
26-Jun-15	245.74	10-Mar-17	FRZ	27-Sep-18	245.66	25-May-20	246.16	21-Jan-22	245.75	27-Sep-23	245.48
31-Jul-15	245.35	23-Mar-17	245.71	26-Oct-18	246.10	24-Jun-20	246.17	22-Feb-22	246.04	10-Oct-23	245.54
27-Aug-15	245.23	30-Mar-17	246.05	23-Nov-18	FRZ	30-Jul-20	245.92	30-Mar-22	FRZ	24-Nov-23	246.11
30-Sep-15	245.36	13-Apr-17	246.21	12-Dec-18	FRZ	28-Aug-20	245.97	22-Apr-22	246.10	07-Dec-23	246.15
26-Oct-15	245.96	09-May-17	246.15	15-Jan-19	FRZ	30-Sep-20	245.80	26-May-22	245.87	25-Jan-24	246.25
25-Nov-15	246.20	28-Jun-17	246.25	28-Feb-19	FRZ	21-Oct-20	246.11	29-Jun-22	245.60	28-Feb-24	245.80
16-Dec-15	246.20	18-Jul-17	246.32	27-Mar-19	FRZ	27-Nov-20	246.07	26-Jul-22	245.28	26-Mar-24	245.67
29-Jan-16	246.15	22-Aug-17	245.97	22-Apr-19	246.09	22-Dec-20	245.94	31-Aug-22	245.85	23-Apr-24	246.10
18-Mar-16	246.22	22-Sep-17	245.02	30-May-19	245.92	27-Jan-21	245.92	23-Sep-22	245.78	23-May-24	245.83
19-Apr-16	246.14	25-Oct-17	245.92	24-Jun-19	245.19	22-Feb-21	245.65	20-Oct-22	246.01	27-Jun-24	245.64
31-May-16	245.50	24-Nov-17	246.17	25-Jul-19	245.03	24-Mar-21	246.04	24-Nov-22	245.96	25-Jul-24	244.97
16-Jun-16	245.39	19-Dec-17	246.11	15-Aug-19	244.92	23-Apr-21	246.08	19-Dec-22	246.00	29-Aug-24	244.67
29-Jul-16	245.18	19-Jan-18	FRZ	27-Sep-19	245.84	21-May-21	245.73	27-Jan-23	245.98	30-Sep-24	245.34
23-Aug-16	245.98	15-Feb-18	FRZ	30-Oct-19	245.94	14-Jun-21	245.20	27-Feb-23	246.06	28-Oct-24	245.18
27-Sep-16	245.53	26-Mar-18	246.06	20-Nov-19	246.04	14-Jul-21	245.65	24-Mar-23	245.83	19-Nov-24	245.76
28-Oct-16	245.63	28-Apr-18	246.17	23-Dec-19	245.92	10-Aug-21	245.21	24-Apr-23	245.92	11-Dec-24	246.04

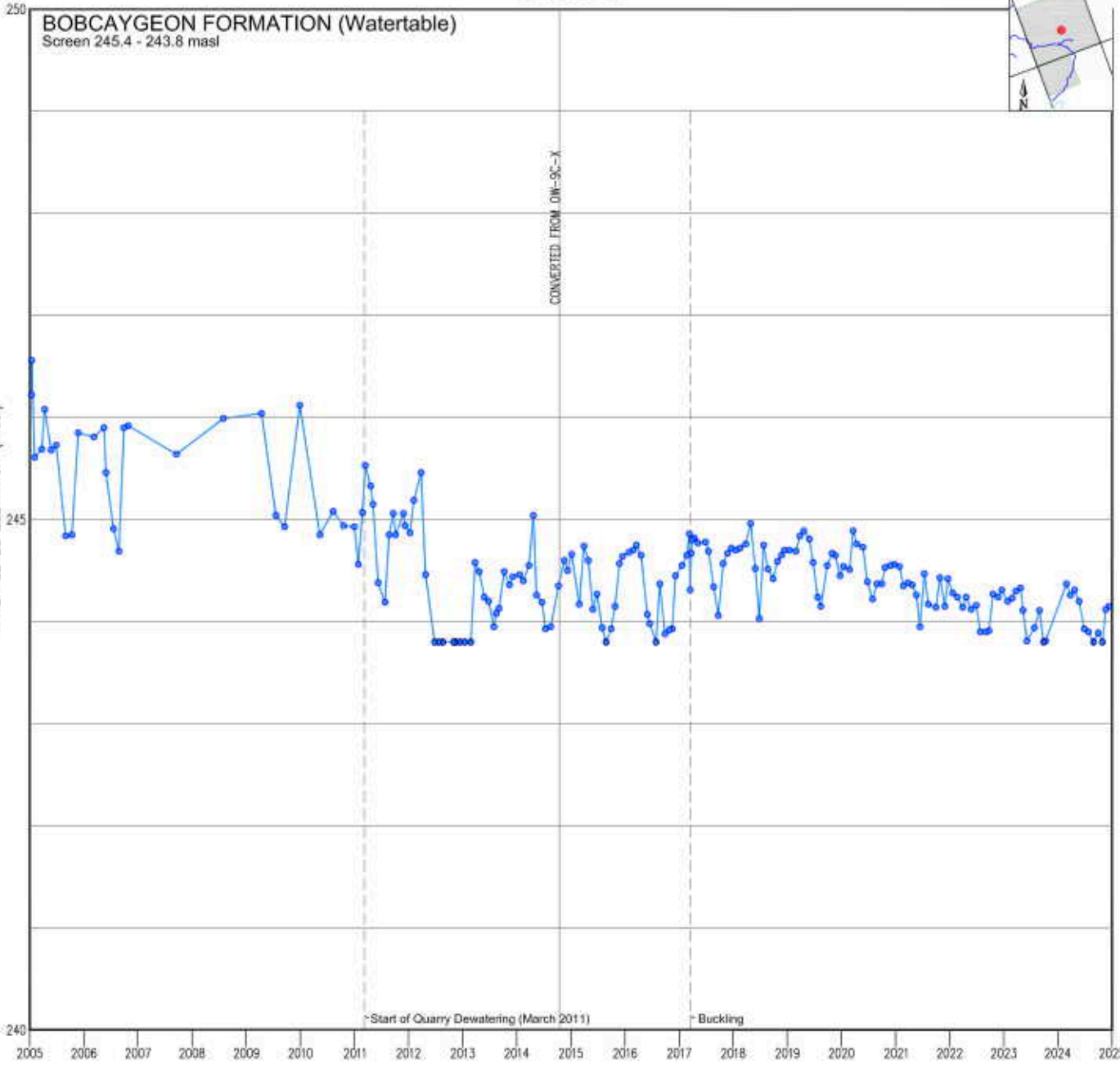
OW-8C



MP Elevation 247.05 masl
Grade 246.1 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
30-Mar-15	245.49	15-Nov-16	245.24	30-May-18	243.86	15-Jan-20	245.24	30-Sep-21	245.22	11-May-23	244.38
29-Apr-15	246.16	07-Dec-16	245.61	26-Jun-18	DRY	25-Feb-20	245.10	27-Oct-21	245.25	06-Jun-23	243.96
29-May-15	244.15	20-Jan-17	245.62	25-Jul-18	245.59	20-Mar-20	245.46	29-Nov-21	245.35	27-Jul-23	244.25
26-Jun-15	244.93	22-Feb-17	245.76	23-Aug-18	245.50	14-Apr-20	245.21	20-Dec-21	245.40	30-Aug-23	244.82
31-Jul-15	DRY	10-Mar-17	245.33	27-Sep-18	243.97	25-May-20	245.15	21-Jan-22	245.27	27-Sep-23	244.40
27-Aug-15	DRY	23-Mar-17	245.06	26-Oct-18	245.15	24-Jun-20	DRY	22-Feb-22	245.61	10-Oct-23	244.45
30-Sep-15	244.50	30-Mar-17	244.97	23-Nov-18	245.27	30-Jul-20	DRY	30-Mar-22	244.90	24-Nov-23	245.44
26-Oct-15	245.41	13-Apr-17	245.23	12-Dec-18	245.24	28-Aug-20	245.11	22-Apr-22	245.13	07-Dec-23	245.47
25-Nov-15	245.08	09-May-17	244.46	15-Jan-19	244.46	30-Sep-20	245.01	26-May-22	243.63	25-Jan-24	245.53
16-Dec-15	245.13	28-Jun-17	244.84	28-Feb-19	FRZ	21-Oct-20	245.41	29-Jun-22	244.08	28-Feb-24	245.29
29-Jan-16	244.80	18-Jul-17	244.72	27-Mar-19	FRZ	27-Nov-20	245.53	26-Jul-22	DRY	26-Mar-24	245.14
26-Feb-16	245.20	22-Aug-17	243.78	22-Apr-19	244.98	22-Dec-20	245.24	31-Aug-22	245.09	23-Apr-24	244.89
18-Mar-16	245.26	22-Sep-17	DRY	30-May-19	244.97	27-Jan-21	245.11	23-Sep-22	244.89	23-May-24	244.69
19-Apr-16	244.55	25-Oct-17	245.27	24-Jun-19	244.86	22-Feb-21	244.65	20-Oct-22	245.53	27-Jun-24	244.64
31-May-16	DRY	24-Nov-17	245.54	25-Jul-19	244.48	24-Mar-21	244.51	24-Nov-22	245.23	25-Jul-24	244.75
16-Jun-16	DRY	19-Dec-17	245.39	15-Aug-19	DRY	23-Apr-21	245.20	19-Dec-22	245.32	29-Aug-24	244.58
29-Jul-16	DRY	19-Jan-18	FRZ	27-Sep-19	245.18	21-May-21	244.52	27-Jan-23	244.63	30-Sep-24	244.44
23-Aug-16	245.37	15-Feb-18	244.92	30-Oct-19	245.44	14-Jun-21	DRY	27-Feb-23	244.58	28-Oct-24	244.27
27-Sep-16	245.23	26-Mar-18	244.88	20-Nov-19	245.35	14-Jul-21	244.04	24-Mar-23	244.79	19-Nov-24	244.74
28-Oct-16	245.32	28-Apr-18	245.27	23-Dec-19	245.15	10-Aug-21	244.73	24-Apr-23	245.10	11-Dec-24	245.47

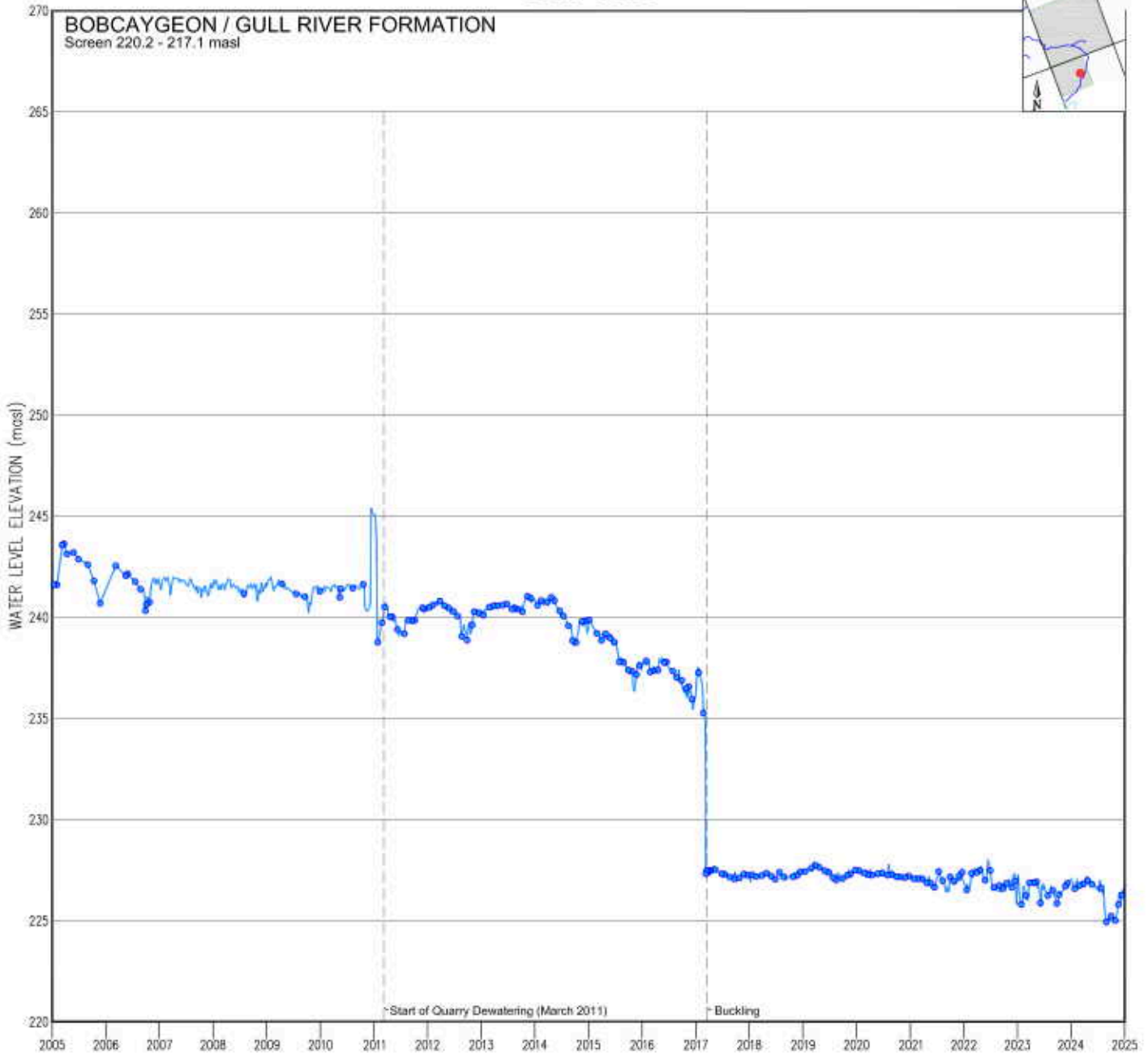
OW-9C



MP Elevation 247.71 masl
Grade 246.7 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
06-Jan-15	244.66	27-Sep-16	243.88	15-Feb-18	244.72	30-Oct-19	244.67	14-Jun-21	243.95	27-Feb-23	244.23
27-Feb-15	244.17	28-Oct-16	243.92	26-Mar-18	244.76	20-Nov-19	244.65	14-Jul-21	244.47	24-Mar-23	244.30
30-Mar-15	244.74	15-Nov-16	243.93	28-Apr-18	244.96	23-Dec-19	244.45	10-Aug-21	244.17	24-Apr-23	244.33
29-Apr-15	244.60	07-Dec-16	244.45	30-May-18	244.52	15-Jan-20	244.54	30-Sep-21	244.14	11-May-23	244.11
29-May-15	244.12	20-Jan-17	244.55	26-Jun-18	244.03	25-Feb-20	244.51	27-Oct-21	244.43	06-Jun-23	243.81
26-Jun-15	244.27	22-Feb-17	244.65	25-Jul-18	244.75	20-Mar-20	244.89	29-Nov-21	244.15	27-Jul-23	243.94
31-Jul-15	243.94	10-Mar-17	244.86	23-Aug-18	244.51	14-Apr-20	244.76	20-Dec-21	244.42	30-Aug-23	244.11
27-Aug-15	DRY	16-Mar-17	244.31	27-Sep-18	244.42	25-May-20	244.73	21-Jan-22	244.28	27-Sep-23	DRY
30-Sep-15	243.93	23-Mar-17	244.67	26-Oct-18	244.59	24-Jun-20	244.39	22-Feb-22	244.24	10-Oct-23	243.81
26-Oct-15	244.15	30-Mar-17	244.80	23-Nov-18	244.65	30-Jul-20	244.22	30-Mar-22	244.14	28-Feb-24	244.37
25-Nov-15	244.57	13-Apr-17	244.82	12-Dec-18	244.70	28-Aug-20	244.37	22-Apr-22	244.24	26-Mar-24	244.26
16-Dec-15	244.64	09-May-17	244.77	15-Jan-19	244.70	30-Sep-20	244.37	26-May-22	244.12	23-Apr-24	244.31
29-Jan-16	244.68	28-Jun-17	244.78	28-Feb-19	244.69	21-Oct-20	244.53	29-Jun-22	244.16	23-May-24	244.20
26-Feb-16	244.70	18-Jul-17	244.69	27-Mar-19	244.84	27-Nov-20	244.55	26-Jul-22	243.90	27-Jun-24	243.93
18-Mar-16	244.75	22-Aug-17	244.34	22-Apr-19	244.89	22-Dec-20	244.56	31-Aug-22	243.90	25-Jul-24	243.90
19-Apr-16	244.65	22-Sep-17	244.06	30-May-19	244.81	27-Jan-21	244.54	23-Sep-22	243.91	29-Aug-24	DRY
31-May-16	244.07	25-Oct-17	244.57	24-Jun-19	244.58	22-Feb-21	244.35	20-Oct-22	244.27	30-Sep-24	243.89
16-Jun-16	243.98	24-Nov-17	244.67	25-Jul-19	244.24	24-Mar-21	244.38	24-Nov-22	244.24	28-Oct-24	DRY
29-Jul-16	DRY	19-Dec-17	244.72	15-Aug-19	244.15	23-Apr-21	244.36	19-Dec-22	244.31	19-Nov-24	244.12
23-Aug-16	244.37	19-Jan-18	244.70	27-Sep-19	244.55	21-May-21	244.26	27-Jan-23	244.20	11-Dec-24	244.15

OW-10A



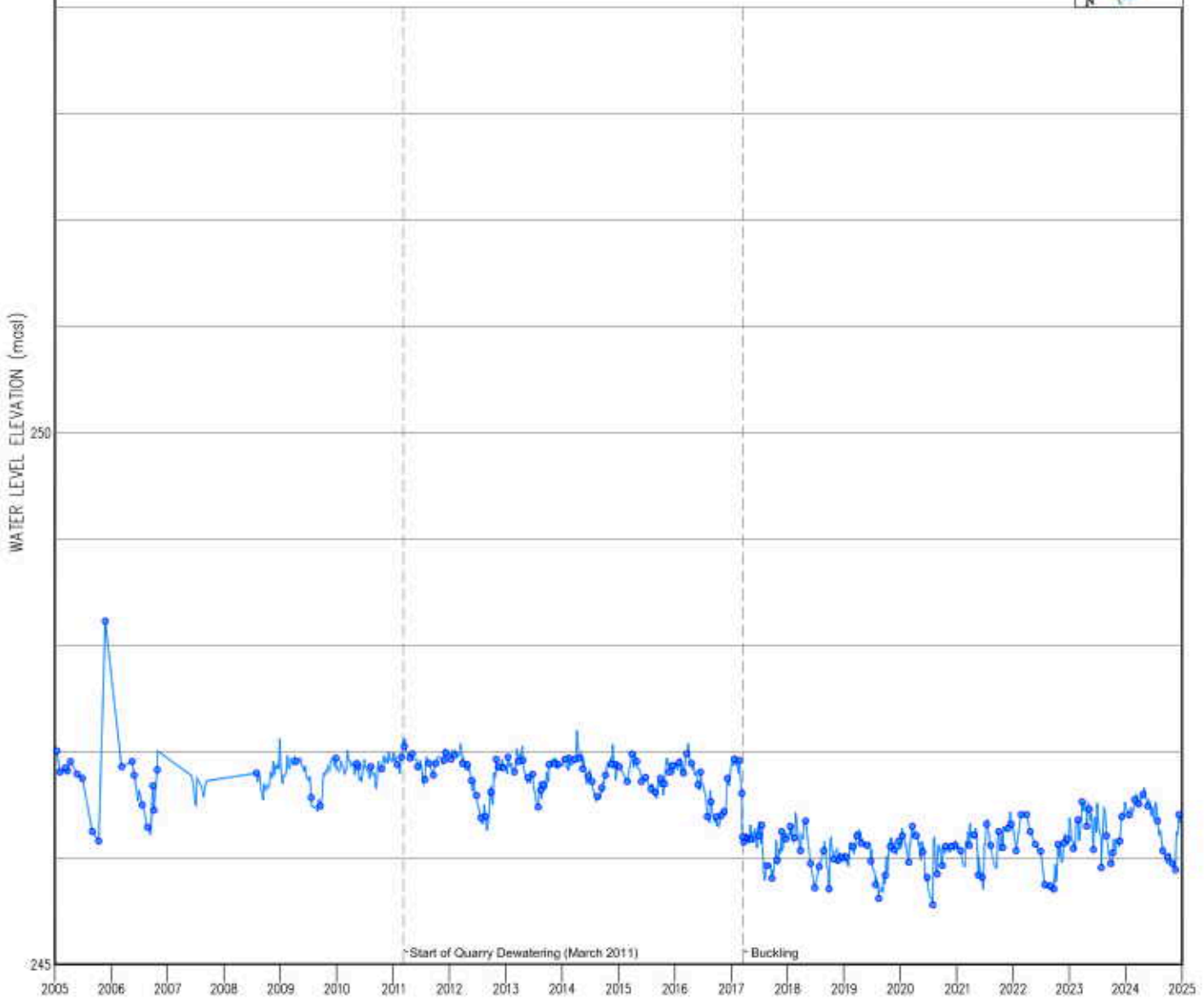
MP Elevation 250.72 masl
Grade 249.1 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
21-Apr-23	226.79	30-Jul-23	226.27	12-Nov-23	226.61	28-Feb-24	226.73	09-Jun-24	226.73	28-Sep-24	225.21
24-Apr-23	226.88	05-Aug-23	226.33	18-Nov-23	226.65	02-Mar-24	226.73	15-Jun-24	226.69	30-Sep-24	225.23
28-Apr-23	226.78	11-Aug-23	226.44	24-Nov-23	226.70	08-Mar-24	226.84	21-Jun-24	226.58	05-Oct-24	225.24
04-May-23	226.93	17-Aug-23	226.67	25-Nov-23	226.72	14-Mar-24	226.92	28-Jun-24	226.69	11-Oct-24	225.23
10-May-23	226.88	23-Aug-23	226.59	01-Dec-23	226.83	20-Mar-24	226.91	04-Jul-24	226.58	17-Oct-24	225.06
11-May-23	226.92	29-Aug-23	226.47	07-Dec-23	226.84	26-Mar-24	226.82	10-Jul-24	226.41	23-Oct-24	225.10
17-May-23	226.65	30-Aug-23	226.50	08-Dec-23	226.88	27-Mar-24	226.76	16-Jul-24	226.98	28-Oct-24	225.01
23-May-23	226.73	05-Sep-23	226.39	14-Dec-23	226.94	02-Apr-24	226.71	22-Jul-24	226.71	30-Oct-24	225.02
29-May-23	226.56	11-Sep-23	226.16	20-Dec-23	226.97	08-Apr-24	226.94	25-Jul-24	226.62	05-Nov-24	225.22
04-Jun-23	226.07	17-Sep-23	226.10	26-Dec-23	226.97	14-Apr-24	227.15	29-Jul-24	226.53	11-Nov-24	225.41
06-Jun-23	225.88	23-Sep-23	225.95	01-Jan-24	227.06	20-Apr-24	227.04	04-Aug-24	226.35	17-Nov-24	225.79
11-Jun-23	225.70	27-Sep-23	225.85	07-Jan-24	226.93	23-Apr-24	226.99	10-Aug-24	226.49	19-Nov-24	225.80
17-Jun-23	226.76	30-Sep-23	225.78	13-Jan-24	226.86	27-Apr-24	226.89	16-Aug-24	225.62	24-Nov-24	226.33
23-Jun-23	226.52	06-Oct-23	225.89	19-Jan-24	226.72	03-May-24	227.06	22-Aug-24	225.07	30-Nov-24	226.37
29-Jun-23	226.77	10-Oct-23	226.28	25-Jan-24	226.58	09-May-24	226.87	28-Aug-24	224.95	06-Dec-24	225.91
05-Jul-23	226.65	13-Oct-23	226.43	31-Jan-24	226.84	15-May-24	226.91	29-Aug-24	224.93	11-Dec-24	226.26
11-Jul-23	226.45	19-Oct-23	226.40	06-Feb-24	226.90	21-May-24	226.79	04-Sep-24	225.04	13-Dec-24	226.24
17-Jul-23	226.43	25-Oct-23	226.29	12-Feb-24	227.00	23-May-24	226.79	10-Sep-24	225.17	19-Dec-24	226.53
23-Jul-23	226.34	31-Oct-23	226.47	18-Feb-24	226.60	28-May-24	226.90	16-Sep-24	224.99	25-Dec-24	226.34
27-Jul-23	226.24	06-Nov-23	226.48	24-Feb-24	226.64	03-Jun-24	226.82	22-Sep-24	225.02	31-Dec-24	226.79

OW-10B



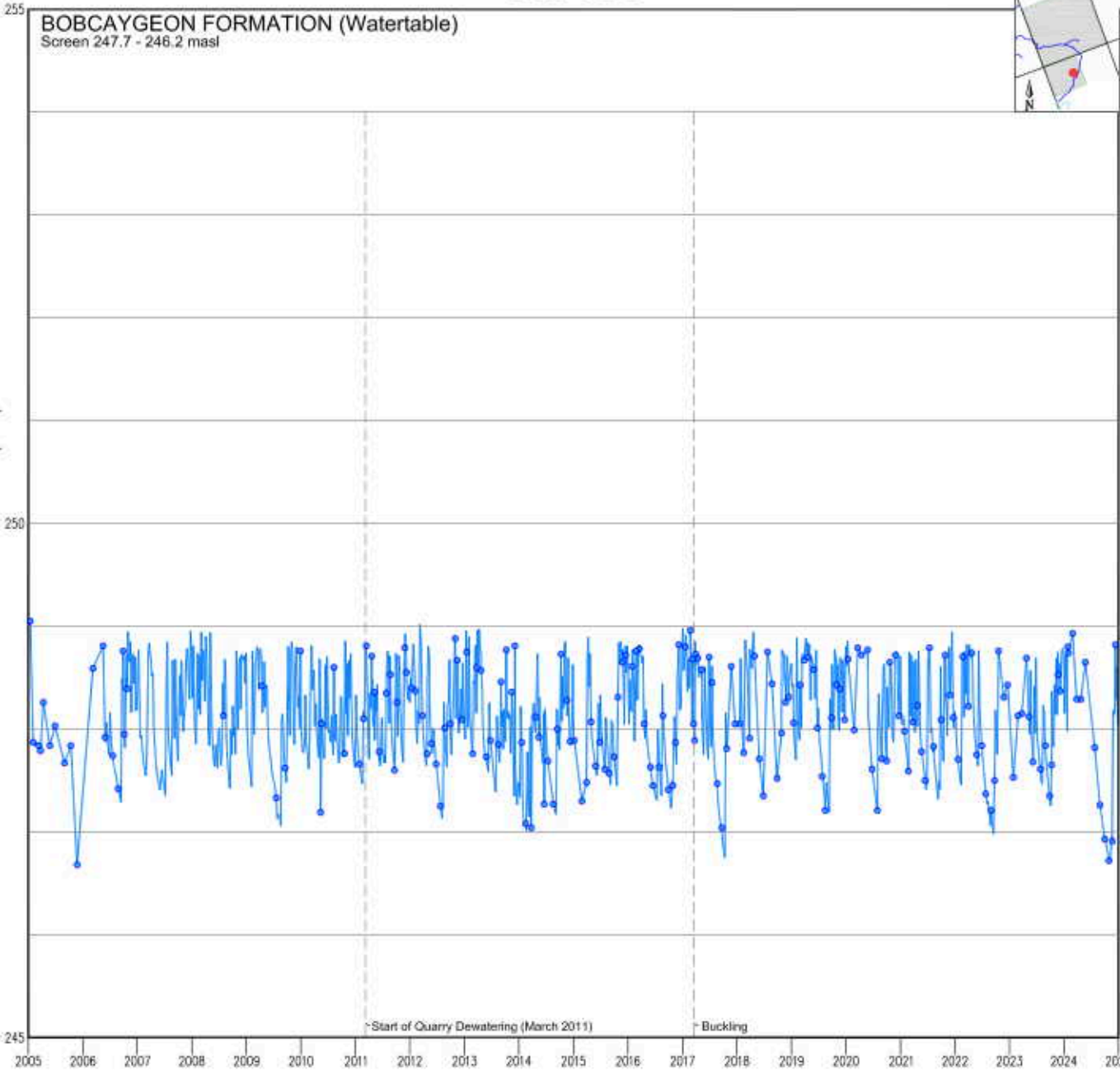
BOBCAYGEON FORMATION (Upper)
Screen 237.1 - 234.0 masl



MP Elevation 250.09 masl
Grade 249.0 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
05-Apr-23	246.51	19-Jul-23	246.24	27-Oct-23	246.08	26-Feb-24	246.49	05-Jun-24	246.53	24-Sep-24	245.95
11-Apr-23	246.50	25-Jul-23	246.20	02-Nov-23	246.17	28-Feb-24	246.55	11-Jun-24	246.44	30-Sep-24	246.01
17-Apr-23	246.45	27-Jul-23	245.91	08-Nov-23	246.15	04-Mar-24	246.54	17-Jun-24	246.39	01-Oct-24	245.97
23-Apr-23	246.47	01-Aug-23	246.13	14-Nov-23	246.18	10-Mar-24	246.60	23-Jun-24	246.49	07-Oct-24	246.04
24-Apr-23	246.30	07-Aug-23	246.21	20-Nov-23	246.11	16-Mar-24	246.58	30-Jun-24	246.44	13-Oct-24	246.04
30-Apr-23	246.52	13-Aug-23	246.47	24-Nov-23	246.16	22-Mar-24	246.49	06-Jul-24	246.37	19-Oct-24	245.96
06-May-23	246.50	19-Aug-23	246.45	07-Dec-23	246.39	26-Mar-24	246.51	12-Jul-24	246.53	25-Oct-24	245.95
11-May-23	246.46	25-Aug-23	246.35	10-Dec-23	246.43	29-Mar-24	246.53	18-Jul-24	246.50	28-Oct-24	245.95
13-May-23	246.46	30-Aug-23	246.21	16-Dec-23	246.38	04-Apr-24	246.57	24-Jul-24	246.40	01-Nov-24	245.94
19-May-23	246.35	01-Sep-23	246.18	22-Dec-23	246.41	10-Apr-24	246.55	25-Jul-24	246.35	07-Nov-24	245.92
25-May-23	246.42	07-Sep-23	246.12	28-Dec-23	246.53	16-Apr-24	246.57	31-Jul-24	246.28	13-Nov-24	245.98
31-May-23	246.27	13-Sep-23	246.05	03-Jan-24	246.46	22-Apr-24	246.58	06-Aug-24	246.21	19-Nov-24	245.89
06-Jun-23	246.08	19-Sep-23	245.99	09-Jan-24	246.45	23-Apr-24	246.60	12-Aug-24	246.26	20-Nov-24	246.01
07-Jun-23	246.15	25-Sep-23	245.99	15-Jan-24	246.42	29-Apr-24	246.66	18-Aug-24	246.21	26-Nov-24	246.25
13-Jun-23	246.38	27-Sep-23	245.95	21-Jan-24	246.37	05-May-24	246.62	24-Aug-24	246.13	02-Dec-24	246.23
19-Jun-23	246.38	02-Oct-23	245.94	25-Jan-24	246.41	11-May-24	246.56	29-Aug-24	246.07	08-Dec-24	246.27
25-Jun-23	246.24	08-Oct-23	245.98	02-Feb-24	246.48	17-May-24	246.54	31-Aug-24	246.07	11-Dec-24	246.41
01-Jul-23	246.52	10-Oct-23	246.05	08-Feb-24	246.47	23-May-24	246.49	06-Sep-24	246.06	15-Dec-24	246.33
07-Jul-23	246.34	15-Oct-23	246.18	14-Feb-24	246.45	24-May-24	246.53	12-Sep-24	246.02	21-Dec-24	246.39
13-Jul-23	246.27	21-Oct-23	246.12	20-Feb-24	246.44	30-May-24	246.55	18-Sep-24	245.98	27-Dec-24	246.37

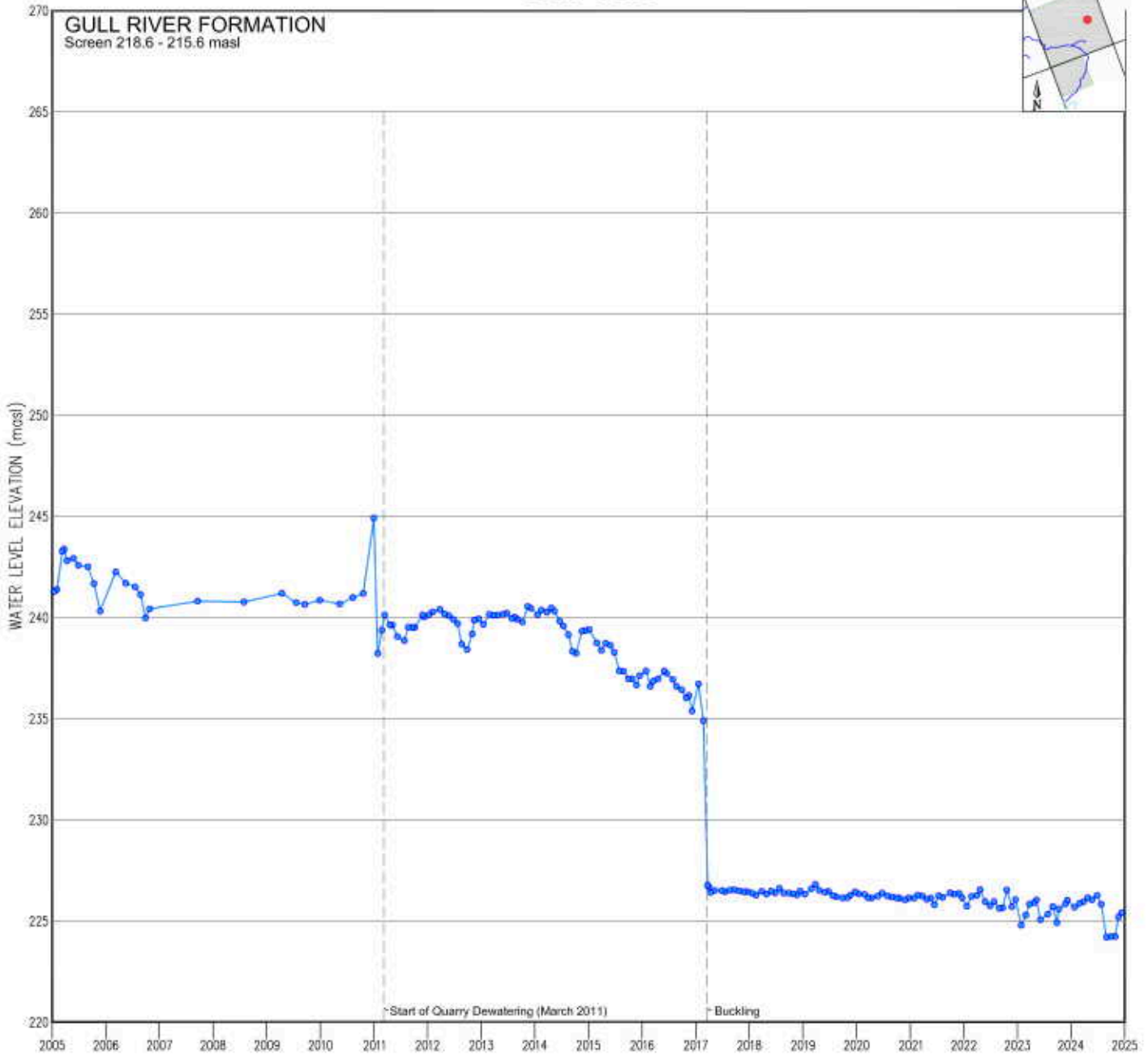
OW-10C



MP Elevation 250.09 masl
Grade 249.0 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
20-Apr-22	248.70	29-Jul-22	247.36	27-Feb-23	248.13	09-Aug-23	247.47	22-Nov-23	248.75	25-Jul-24	247.82
22-Apr-22	248.74	04-Aug-22	247.27	24-Mar-23	248.15	15-Aug-23	248.23	24-Nov-23	248.53	29-Aug-24	247.26
27-Apr-22	248.69	10-Aug-22	247.30	24-Apr-23	248.69	21-Aug-23	248.17	29-Nov-23	248.63	30-Sep-24	246.93
03-May-22	248.26	16-Aug-22	247.21	11-May-23	248.12	27-Aug-23	247.87	05-Dec-23	248.62	06-Oct-24	246.94
09-May-22	248.05	22-Aug-22	247.14	15-May-23	247.95	30-Aug-23	247.84	07-Dec-23	248.37	12-Oct-24	246.86
15-May-22	247.91	28-Aug-22	247.06	21-May-23	248.57	03-Sep-23	247.71	12-Dec-23	248.60	18-Oct-24	246.81
21-May-22	247.82	31-Aug-22	247.21	27-May-23	247.96	09-Sep-23	247.61	18-Dec-23	248.77	24-Oct-24	246.77
26-May-22	247.75	04-Sep-22	247.14	02-Jun-23	247.83	15-Sep-23	247.51	24-Dec-23	248.78	28-Oct-24	246.72
28-May-22	247.72	10-Sep-22	247.04	06-Jun-23	247.68	21-Sep-23	247.43	30-Dec-23	248.71	31-Oct-24	246.74
03-Jun-22	247.64	16-Sep-22	246.98	09-Jun-23	247.72	27-Sep-23	247.35	05-Jan-24	248.15	06-Nov-24	246.71
09-Jun-22	248.76	22-Sep-22	247.51	15-Jun-23	248.41	28-Sep-23	247.33	11-Jan-24	248.72	12-Nov-24	246.85
15-Jun-22	248.20	23-Sep-22	247.50	21-Jun-23	247.96	04-Oct-23	247.25	17-Jan-24	248.49	18-Nov-24	246.95
21-Jun-22	248.04	29-Sep-22	248.18	27-Jun-23	248.69	10-Oct-23	247.65	23-Jan-24	247.98	19-Nov-24	246.91
27-Jun-22	247.88	05-Oct-22	247.93	03-Jul-23	248.04	11-Oct-23	248.37	25-Jan-24	248.80	25-Nov-24	248.18
29-Jun-22	247.84	11-Oct-22	247.76	09-Jul-23	247.86	17-Oct-23	247.98	30-Jan-24	248.74	01-Dec-24	248.14
04-Jul-22	247.74	17-Oct-22	248.32	15-Jul-23	247.79	23-Oct-23	247.83	31-Jan-24	248.74	07-Dec-24	248.17
10-Jul-22	247.63	20-Oct-22	248.76	21-Jul-23	247.69	29-Oct-23	248.43	28-Feb-24	248.93	11-Dec-24	248.82
16-Jul-22	247.54	24-Nov-22	248.31	27-Jul-23	247.61	04-Nov-23	248.15	26-Mar-24	248.29	14-Dec-24	248.29
22-Jul-22	247.45	19-Dec-22	248.43	28-Jul-23	247.55	10-Nov-23	248.69	23-Apr-24	248.29	20-Dec-24	248.60
26-Jul-22	247.37	27-Jan-23	247.53	03-Aug-23	247.48	16-Nov-23	248.14	23-May-24	248.65	26-Dec-24	248.04

OW-15A

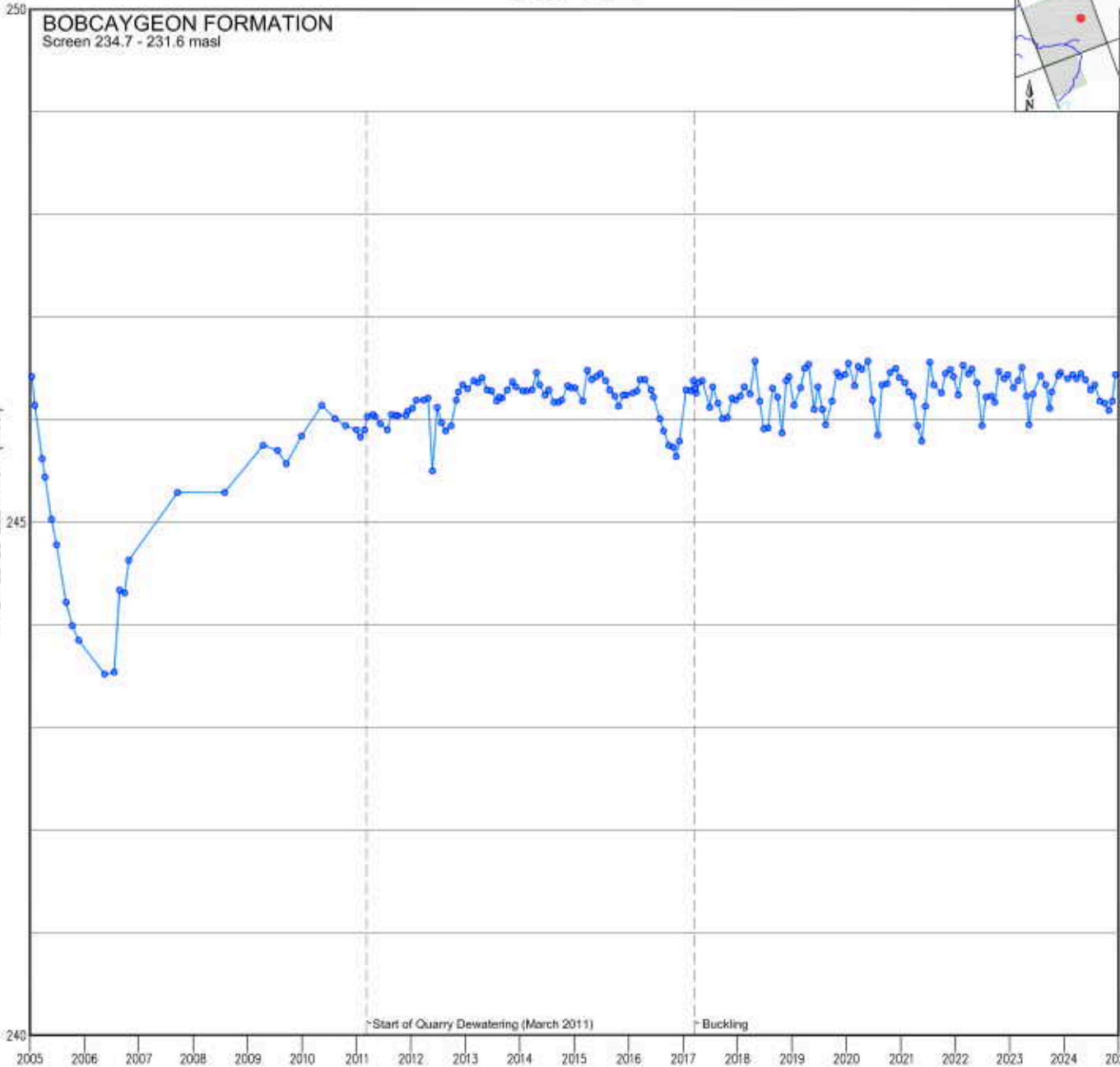


MP Elevation 248.43 masl

Grade 247.4 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
27-Feb-15	238.75	28-Oct-16	236.03	30-May-18	226.48	15-Jan-20	226.34	30-Sep-21	226.39	11-May-23	226.04
30-Mar-15	238.38	15-Nov-16	236.15	26-Jun-18	226.39	25-Feb-20	226.31	27-Oct-21	226.32	06-Jun-23	225.06
29-Apr-15	238.73	07-Dec-16	235.38	25-Jul-18	226.62	20-Mar-20	226.15	29-Nov-21	226.37	27-Jul-23	225.34
29-May-15	238.63	20-Jan-17	236.72	23-Aug-18	226.38	14-Apr-20	226.14	20-Dec-21	226.14	30-Aug-23	225.72
26-Jun-15	238.28	22-Feb-17	234.90	27-Sep-18	226.38	25-May-20	226.23	21-Jan-22	225.73	27-Sep-23	224.91
31-Jul-15	237.36	23-Mar-17	226.77	26-Oct-18	226.34	24-Jun-20	226.38	22-Feb-22	226.22	10-Oct-23	225.59
27-Aug-15	237.35	30-Mar-17	226.69	23-Nov-18	226.29	30-Jul-20	226.24	30-Mar-22	226.26	24-Nov-23	225.84
30-Sep-15	236.97	13-Apr-17	226.41	12-Dec-18	226.48	28-Aug-20	226.19	22-Apr-22	226.55	07-Dec-23	226.03
26-Oct-15	236.97	09-May-17	226.51	15-Jan-19	226.33	30-Sep-20	226.14	26-May-22	225.96	25-Jan-24	225.68
25-Nov-15	236.66	28-Jun-17	226.50	28-Feb-19	226.60	21-Oct-20	226.13	29-Jun-22	225.75	28-Feb-24	225.87
16-Dec-15	237.13	18-Jul-17	226.45	27-Mar-19	226.81	27-Nov-20	226.04	26-Jul-22	225.96	26-Mar-24	225.95
29-Jan-16	237.36	22-Aug-17	226.53	22-Apr-19	226.52	22-Dec-20	226.14	31-Aug-22	225.62	23-Apr-24	226.15
26-Feb-16	236.60	22-Sep-17	226.54	30-May-19	226.42	27-Jan-21	226.13	23-Sep-22	225.65	23-May-24	226.05
18-Mar-16	236.86	25-Oct-17	226.49	24-Jun-19	226.47	22-Feb-21	226.28	20-Oct-22	226.53	27-Jun-24	226.27
19-Apr-16	236.97	24-Nov-17	226.44	25-Jul-19	226.25	24-Mar-21	226.23	24-Nov-22	225.71	25-Jul-24	225.83
31-May-16	237.36	19-Dec-17	226.45	15-Aug-19	226.20	23-Apr-21	226.07	19-Dec-22	226.06	29-Aug-24	224.19
16-Jun-16	237.24	19-Jan-18	226.38	27-Sep-19	226.14	21-May-21	226.13	27-Jan-23	224.79	30-Sep-24	224.24
29-Jul-16	236.94	15-Feb-18	226.28	30-Oct-19	226.15	14-Jun-21	225.80	27-Feb-23	225.29	28-Oct-24	224.23
23-Aug-16	236.60	26-Mar-18	226.47	20-Nov-19	226.27	14-Jul-21	226.25	24-Mar-23	225.83	19-Nov-24	225.20
27-Sep-16	236.43	28-Apr-18	226.33	23-Dec-19	226.44	10-Aug-21	226.17	24-Apr-23	225.90	11-Dec-24	225.41

OW-15B



MP Elevation 248.44 masl

Grade 247.4 masl

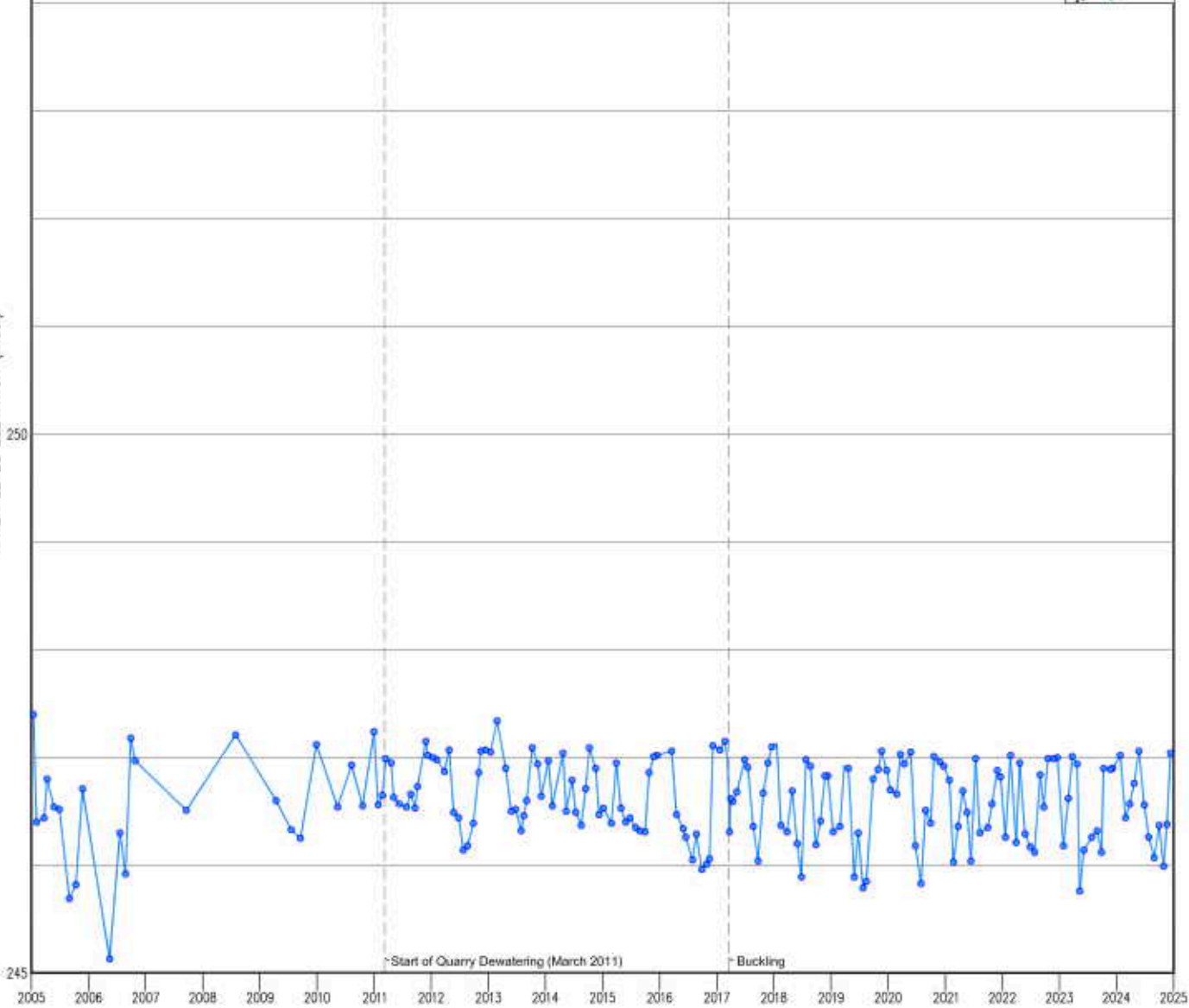
DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
30-Mar-15	246.48	15-Nov-16	245.64	30-May-18	246.18	15-Jan-20	246.55	30-Sep-21	246.26	11-May-23	245.95
29-Apr-15	246.39	07-Dec-16	245.79	26-Jun-18	245.91	25-Feb-20	246.33	27-Oct-21	246.45	06-Jun-23	246.25
29-May-15	246.42	20-Jan-17	246.29	25-Jul-18	245.92	20-Mar-20	246.52	29-Nov-21	246.49	27-Jul-23	246.43
26-Jun-15	246.45	22-Feb-17	246.28	23-Aug-18	246.31	14-Apr-20	246.49	20-Dec-21	246.42	30-Aug-23	246.34
31-Jul-15	246.38	10-Mar-17	246.38	27-Sep-18	246.22	25-May-20	246.57	21-Jan-22	246.24	27-Sep-23	246.11
27-Aug-15	246.29	23-Mar-17	246.30	26-Oct-18	245.87	24-Jun-20	246.19	22-Feb-22	246.53	10-Oct-23	246.27
30-Sep-15	246.23	30-Mar-17	246.26	23-Nov-18	246.38	30-Jul-20	245.85	30-Mar-22	246.45	24-Nov-23	246.43
26-Oct-15	246.13	13-Apr-17	246.36	12-Dec-18	246.42	28-Aug-20	246.34	22-Apr-22	246.49	07-Dec-23	246.46
25-Nov-15	246.24	09-May-17	246.38	15-Jan-19	246.14	30-Sep-20	246.35	26-May-22	246.36	25-Jan-24	246.40
16-Dec-15	246.24	28-Jun-17	246.12	28-Feb-19	246.31	21-Oct-20	246.46	29-Jun-22	245.94	28-Feb-24	246.44
29-Jan-16	246.26	18-Jul-17	246.32	27-Mar-19	246.50	27-Nov-20	246.50	26-Jul-22	246.22	26-Mar-24	246.40
26-Feb-16	246.28	22-Aug-17	246.16	22-Apr-19	246.54	22-Dec-20	246.41	31-Aug-22	246.23	23-Apr-24	246.45
18-Mar-16	246.39	22-Sep-17	246.01	30-May-19	246.10	27-Jan-21	246.36	23-Sep-22	246.17	23-May-24	246.39
19-Apr-16	246.39	25-Oct-17	246.02	24-Jun-19	246.32	22-Feb-21	246.27	20-Oct-22	246.47	27-Jun-24	246.29
31-May-16	246.29	24-Nov-17	246.21	25-Jul-19	246.10	24-Mar-21	246.23	24-Nov-22	246.40	25-Jul-24	246.34
16-Jun-16	246.22	19-Dec-17	246.19	15-Aug-19	245.95	23-Apr-21	245.94	19-Dec-22	246.44	29-Aug-24	246.18
29-Jul-16	246.01	19-Jan-18	246.23	27-Sep-19	246.18	21-May-21	245.79	27-Jan-23	246.31	30-Sep-24	246.16
23-Aug-16	245.89	15-Feb-18	246.32	30-Oct-19	246.46	14-Jun-21	246.13	27-Feb-23	246.38	28-Oct-24	246.09
27-Sep-16	245.75	26-Mar-18	246.25	20-Nov-19	246.42	14-Jul-21	246.56	24-Mar-23	246.51	19-Nov-24	246.18
28-Oct-16	245.73	28-Apr-18	246.57	23-Dec-19	246.44	10-Aug-21	246.34	24-Apr-23	246.23	11-Dec-24	246.44

OW-15C



255
BOBCAYGEON FORMATION (Watertable)
Screen 246.2 - 244.7 masl

WATER LEVEL ELEVATION (masl)



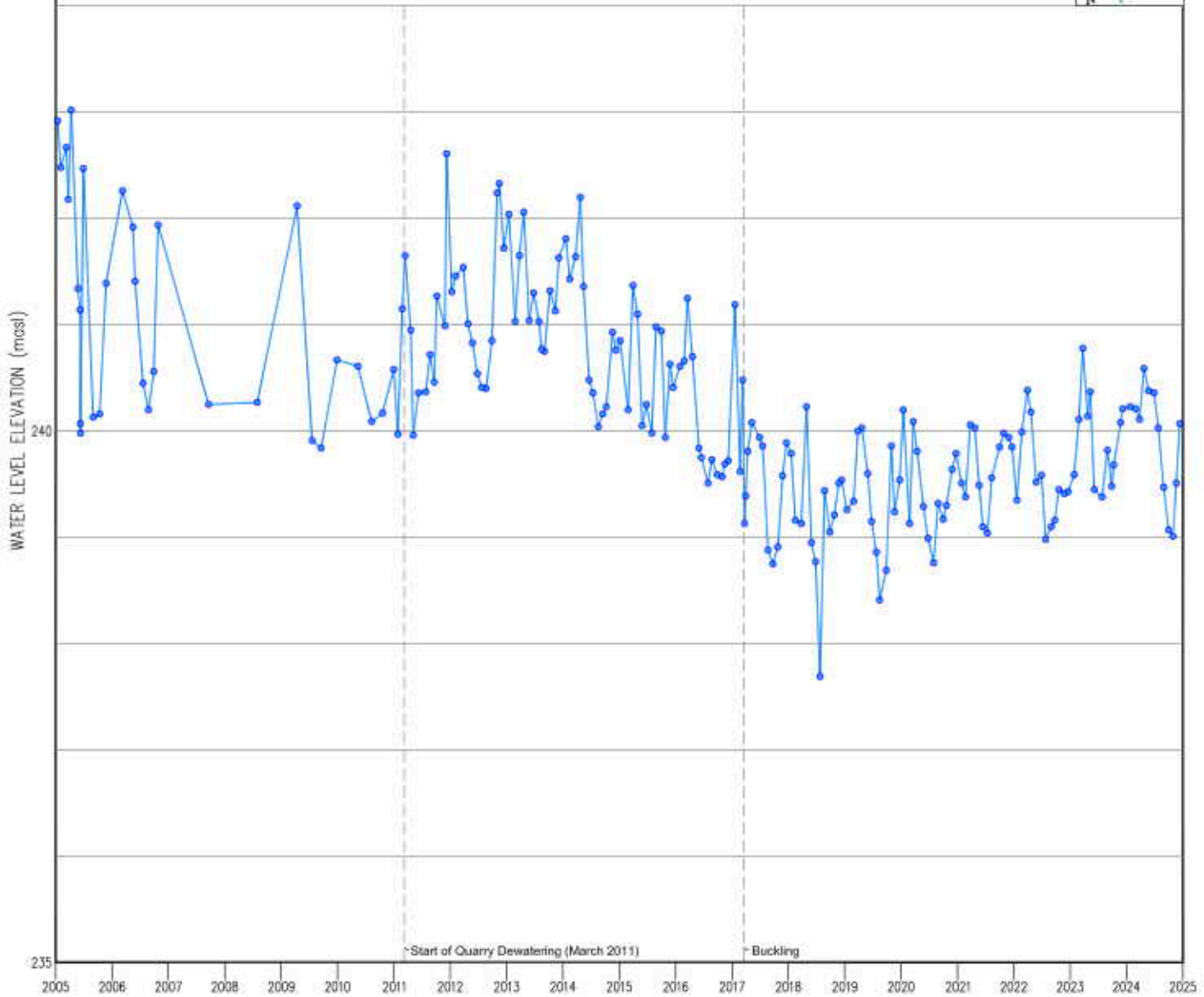
MP Elevation 248.44 masl
Grade 247.4 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
06-Jan-15	246.53	15-Nov-16	246.06	30-May-18	246.20	15-Jan-20	246.70	30-Sep-21	246.35	11-May-23	245.76
27-Feb-15	246.39	07-Dec-16	247.11	26-Jun-18	245.89	25-Feb-20	246.66	27-Oct-21	246.57	06-Jun-23	246.14
30-Mar-15	246.95	20-Jan-17	247.07	25-Jul-18	246.98	20-Mar-20	247.03	29-Nov-21	246.88	27-Jul-23	246.26
29-Apr-15	246.53	22-Feb-17	247.15	23-Aug-18	246.92	14-Apr-20	246.94	20-Dec-21	246.82	30-Aug-23	246.32
29-May-15	246.40	10-Mar-17	FRZ	27-Sep-18	246.19	25-May-20	247.05	21-Jan-22	246.26	27-Sep-23	246.12
26-Jun-15	246.44	23-Mar-17	246.31	26-Oct-18	246.41	24-Jun-20	246.18	22-Feb-22	247.02	10-Oct-23	246.90
31-Jul-15	246.35	30-Mar-17	246.62	23-Nov-18	246.83	30-Jul-20	245.83	30-Mar-22	246.21	24-Nov-23	246.89
27-Aug-15	246.32	13-Apr-17	246.59	12-Dec-18	246.83	28-Aug-20	246.51	22-Apr-22	246.95	07-Dec-23	246.90
30-Sep-15	246.31	09-May-17	246.68	15-Jan-19	246.31	30-Sep-20	246.39	26-May-22	246.29	25-Jan-24	247.02
26-Oct-15	246.86	28-Jun-17	246.98	28-Feb-19	246.36	21-Oct-20	247.01	29-Jun-22	246.17	28-Feb-24	246.44
25-Nov-15	247.01	18-Jul-17	246.91	27-Mar-19	FRZ	27-Nov-20	246.96	26-Jul-22	246.12	26-Mar-24	246.57
16-Dec-15	247.02	22-Aug-17	246.36	22-Apr-19	246.90	22-Dec-20	246.92	31-Aug-22	246.84	23-Apr-24	246.76
18-Mar-16	247.06	22-Sep-17	246.04	30-May-19	245.89	27-Jan-21	246.79	23-Sep-22	246.54	23-May-24	247.06
19-Apr-16	246.47	25-Oct-17	246.67	24-Jun-19	246.30	22-Feb-21	246.03	20-Oct-22	246.99	27-Jun-24	246.56
31-May-16	246.34	24-Nov-17	246.95	25-Jul-19	245.79	24-Mar-21	246.36	24-Nov-22	246.99	25-Jul-24	246.26
16-Jun-16	246.26	19-Dec-17	247.10	15-Aug-19	245.85	23-Apr-21	246.69	19-Dec-22	247.00	29-Aug-24	246.07
29-Jul-16	246.05	19-Jan-18	FRZ	27-Sep-19	246.80	21-May-21	246.49	27-Jan-23	246.18	30-Sep-24	246.37
23-Aug-16	246.29	15-Feb-18	246.37	30-Oct-19	246.89	14-Jun-21	246.04	27-Feb-23	246.62	28-Oct-24	245.99
27-Sep-16	245.96	26-Mar-18	246.31	20-Nov-19	247.06	14-Jul-21	246.99	24-Mar-23	247.01	19-Nov-24	246.38
28-Oct-16	246.01	28-Apr-18	246.69	23-Dec-19	246.88	10-Aug-21	246.30	24-Apr-23	246.94	11-Dec-24	247.04

OW-19A



BOBCAYGEON / GULL RIVER FORMATION
Screen 218.9 - 215.8 masl



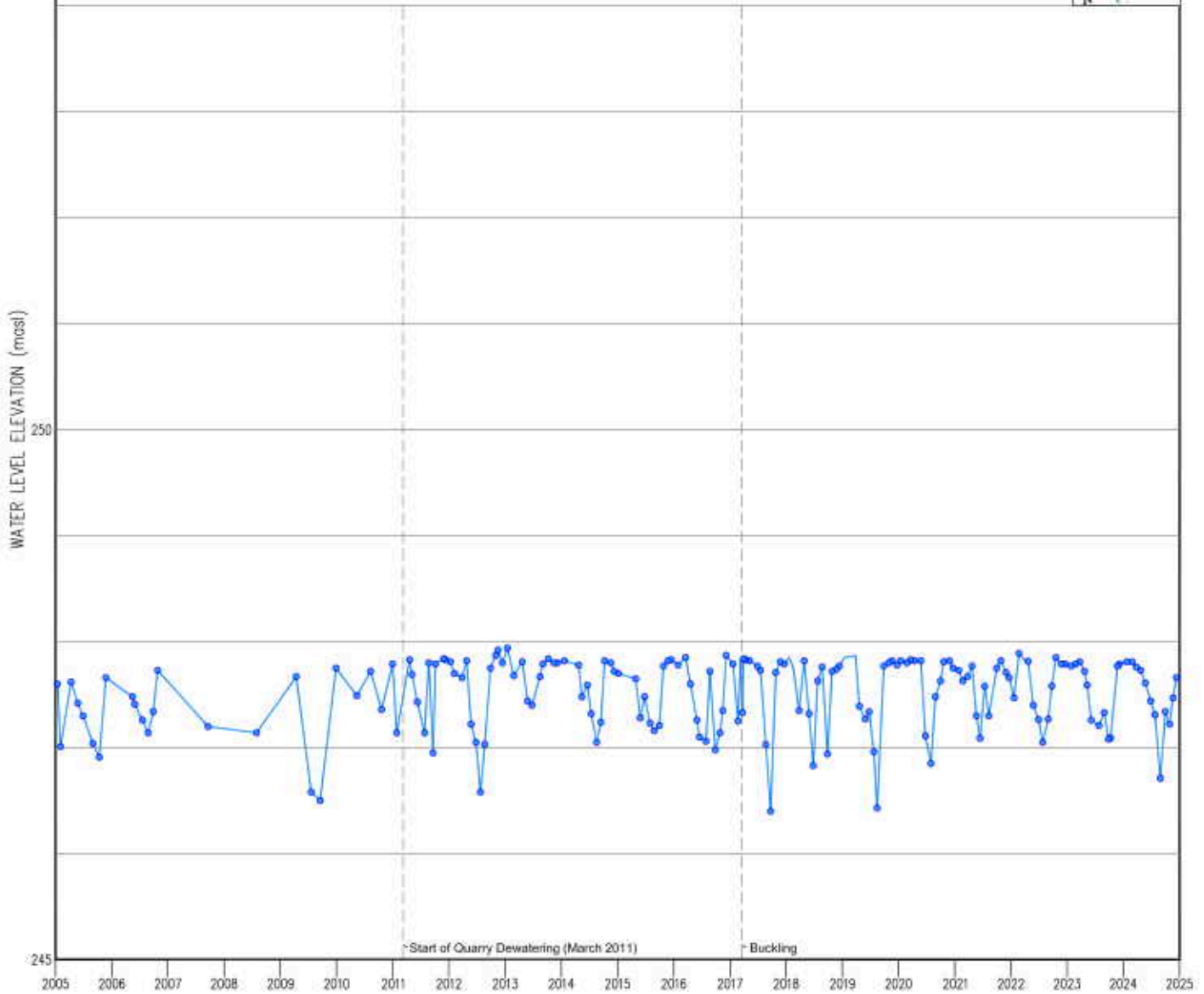
MP Elevation 249.08 masl
Grade 247.8 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
30-Mar-15	241.37	15-Nov-16	239.69	30-May-18	238.95	15-Jan-20	240.20	30-Sep-21	239.85	11-May-23	240.37
29-Apr-15	241.10	07-Dec-16	239.72	26-Jun-18	238.77	25-Feb-20	239.13	27-Oct-21	239.98	06-Jun-23	239.45
29-May-15	240.05	20-Jan-17	241.19	25-Jul-18	237.69	20-Mar-20	240.09	29-Nov-21	239.94	27-Jul-23	239.38
26-Jun-15	240.25	22-Feb-17	239.62	23-Aug-18	239.44	14-Apr-20	239.81	20-Dec-21	239.85	30-Aug-23	239.82
31-Jul-15	239.98	10-Mar-17	240.48	27-Sep-18	239.05	25-May-20	239.29	21-Jan-22	239.35	27-Sep-23	239.48
27-Aug-15	240.98	23-Mar-17	239.13	26-Oct-18	239.21	24-Jun-20	238.99	22-Feb-22	239.99	10-Oct-23	239.68
30-Sep-15	240.94	30-Mar-17	239.39	23-Nov-18	239.51	30-Jul-20	238.76	30-Mar-22	240.39	24-Nov-23	240.08
26-Oct-15	239.94	13-Apr-17	239.81	12-Dec-18	239.54	28-Aug-20	239.32	22-Apr-22	240.18	07-Dec-23	240.21
25-Nov-15	240.63	09-May-17	240.08	15-Jan-19	239.26	30-Sep-20	239.17	26-May-22	239.52	25-Jan-24	240.23
16-Dec-15	240.41	28-Jun-17	239.94	28-Feb-19	239.34	21-Oct-20	239.30	29-Jun-22	239.59	28-Feb-24	240.21
29-Jan-16	240.61	18-Jul-17	239.86	27-Mar-19	240.00	27-Nov-20	239.64	26-Jul-22	238.98	26-Mar-24	240.11
26-Feb-16	240.66	22-Aug-17	238.88	22-Apr-19	240.03	22-Dec-20	239.79	31-Aug-22	239.10	23-Apr-24	240.59
18-Mar-16	241.25	22-Sep-17	238.75	30-May-19	239.60	27-Jan-21	239.51	23-Sep-22	239.16	23-May-24	240.38
19-Apr-16	240.70	25-Oct-17	238.91	24-Jun-19	239.15	22-Feb-21	239.38	20-Oct-22	239.45	27-Jun-24	240.36
31-May-16	239.84	24-Nov-17	239.58	25-Jul-19	238.86	24-Mar-21	240.06	24-Nov-22	239.41	25-Jul-24	240.03
16-Jun-16	239.75	19-Dec-17	239.89	15-Aug-19	238.41	23-Apr-21	240.03	19-Dec-22	239.43	29-Aug-24	239.47
29-Jul-16	239.51	19-Jan-18	239.79	27-Sep-19	238.69	21-May-21	239.49	27-Jan-23	239.59	30-Sep-24	239.07
23-Aug-16	239.73	15-Feb-18	239.16	30-Oct-19	239.86	14-Jun-21	239.10	27-Feb-23	240.11	28-Oct-24	239.01
27-Sep-16	239.59	26-Mar-18	239.13	20-Nov-19	239.24	14-Jul-21	239.04	24-Mar-23	240.78	19-Nov-24	239.51
28-Oct-16	239.57	28-Apr-18	240.23	23-Dec-19	239.54	10-Aug-21	239.56	24-Apr-23	240.14	11-Dec-24	240.07

OW-19B



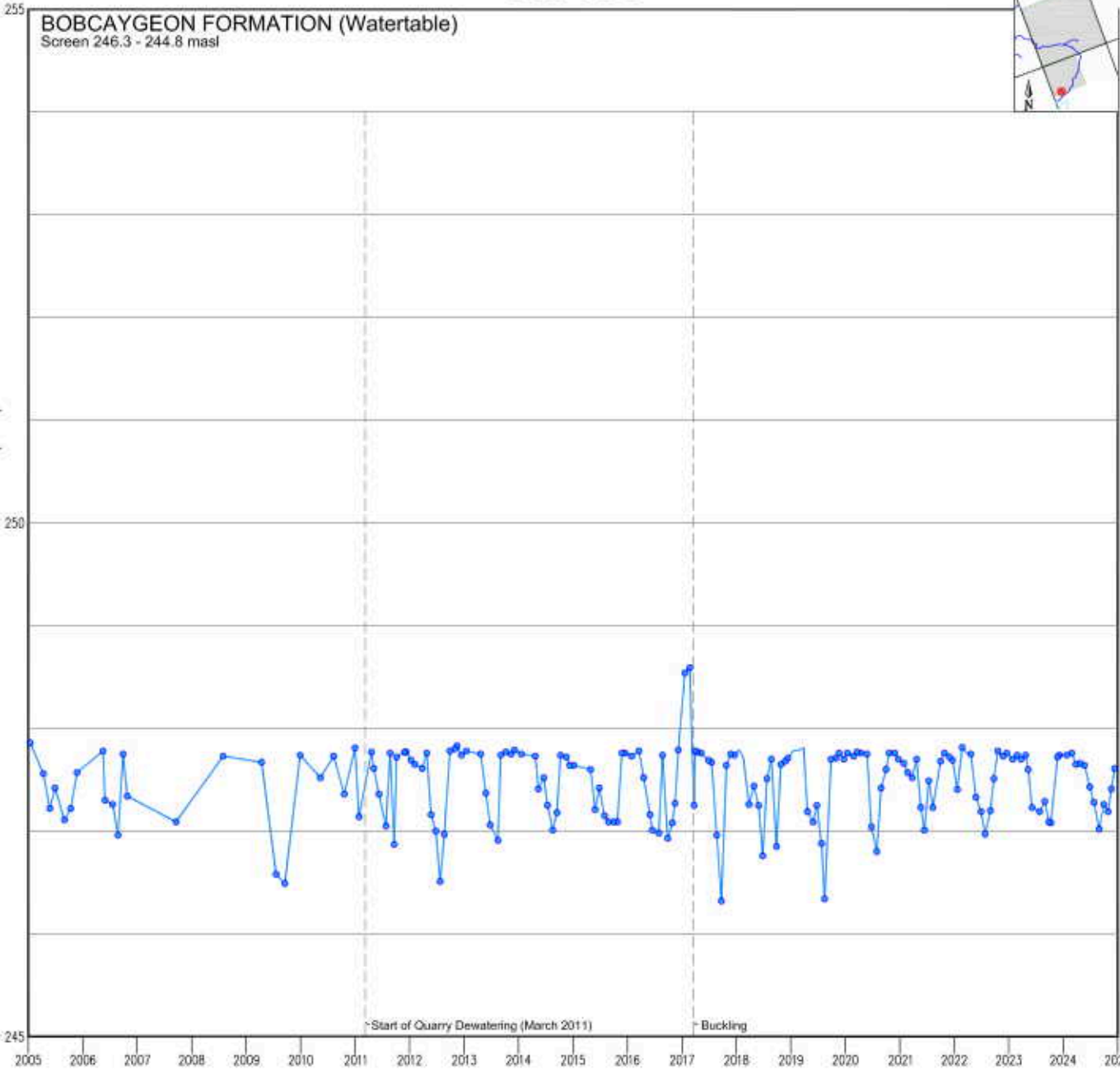
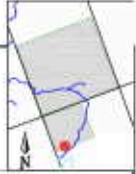
BOBCAYGEON FORMATION (Upper)
Screen 235.2 - 232.2 masl



MP Elevation 248.99 masl
Grade 247.9 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
10-Dec-14	247.72	15-Nov-16	247.35	30-May-18	247.32	15-Jan-20	247.82	30-Sep-21	247.75	11-May-23	247.59
06-Jan-15	247.70	07-Dec-16	247.87	26-Jun-18	246.83	25-Feb-20	247.80	27-Oct-21	247.82	06-Jun-23	247.26
29-Apr-15	247.65	20-Jan-17	247.79	25-Jul-18	247.63	20-Mar-20	247.83	29-Nov-21	247.71	27-Jul-23	247.21
29-May-15	247.28	22-Feb-17	247.25	23-Aug-18	247.76	14-Apr-20	247.82	20-Dec-21	247.66	30-Aug-23	247.33
26-Jun-15	247.48	10-Mar-17	FLW	27-Sep-18	246.94	25-May-20	247.82	21-Jan-22	247.47	27-Sep-23	247.08
31-Jul-15	247.23	23-Mar-17	247.33	26-Oct-18	247.72	24-Jun-20	247.11	22-Feb-22	247.89	10-Oct-23	247.09
27-Aug-15	247.16	30-Mar-17	247.84	23-Nov-18	247.74	30-Jul-20	246.85	30-Mar-22	FRZ	24-Nov-23	247.77
30-Sep-15	247.21	13-Apr-17	247.83	12-Dec-18	247.77	28-Aug-20	247.48	22-Apr-22	247.82	07-Dec-23	247.79
26-Oct-15	247.77	09-May-17	247.82	15-Jan-19	FRZ	30-Sep-20	247.63	26-May-22	247.40	25-Jan-24	247.81
25-Nov-15	247.82	28-Jun-17	247.77	28-Feb-19	FRZ	21-Oct-20	247.81	29-Jun-22	247.26	28-Feb-24	247.81
16-Dec-15	247.83	18-Jul-17	247.73	27-Mar-19	FRZ	27-Nov-20	247.82	26-Jul-22	247.05	26-Mar-24	247.76
29-Jan-16	247.78	22-Aug-17	247.03	22-Apr-19	247.39	22-Dec-20	247.75	31-Aug-22	247.27	23-Apr-24	247.73
18-Mar-16	247.85	22-Sep-17	246.40	30-May-19	247.27	27-Jan-21	247.73	23-Sep-22	247.58	23-May-24	247.61
19-Apr-16	247.60	25-Oct-17	247.71	24-Jun-19	247.34	22-Feb-21	247.63	20-Oct-22	247.85	27-Jun-24	247.44
31-May-16	247.26	24-Nov-17	247.81	25-Jul-19	246.96	24-Mar-21	247.67	24-Nov-22	247.79	25-Jul-24	247.31
16-Jun-16	247.10	19-Dec-17	247.79	15-Aug-19	246.43	23-Apr-21	247.77	19-Dec-22	247.79	29-Aug-24	246.71
29-Jul-16	247.06	19-Jan-18	FRZ	27-Sep-19	247.77	21-May-21	247.30	27-Jan-23	247.77	30-Sep-24	247.34
23-Aug-16	247.72	15-Feb-18	FRZ	30-Oct-19	247.80	14-Jun-21	247.09	27-Feb-23	247.79	28-Oct-24	247.22
27-Sep-16	246.98	26-Mar-18	247.35	20-Nov-19	247.82	14-Jul-21	247.58	24-Mar-23	247.81	19-Nov-24	247.47
28-Oct-16	247.14	28-Apr-18	247.82	23-Dec-19	247.78	10-Aug-21	247.30	24-Apr-23	247.72	11-Dec-24	247.66

OW-19C

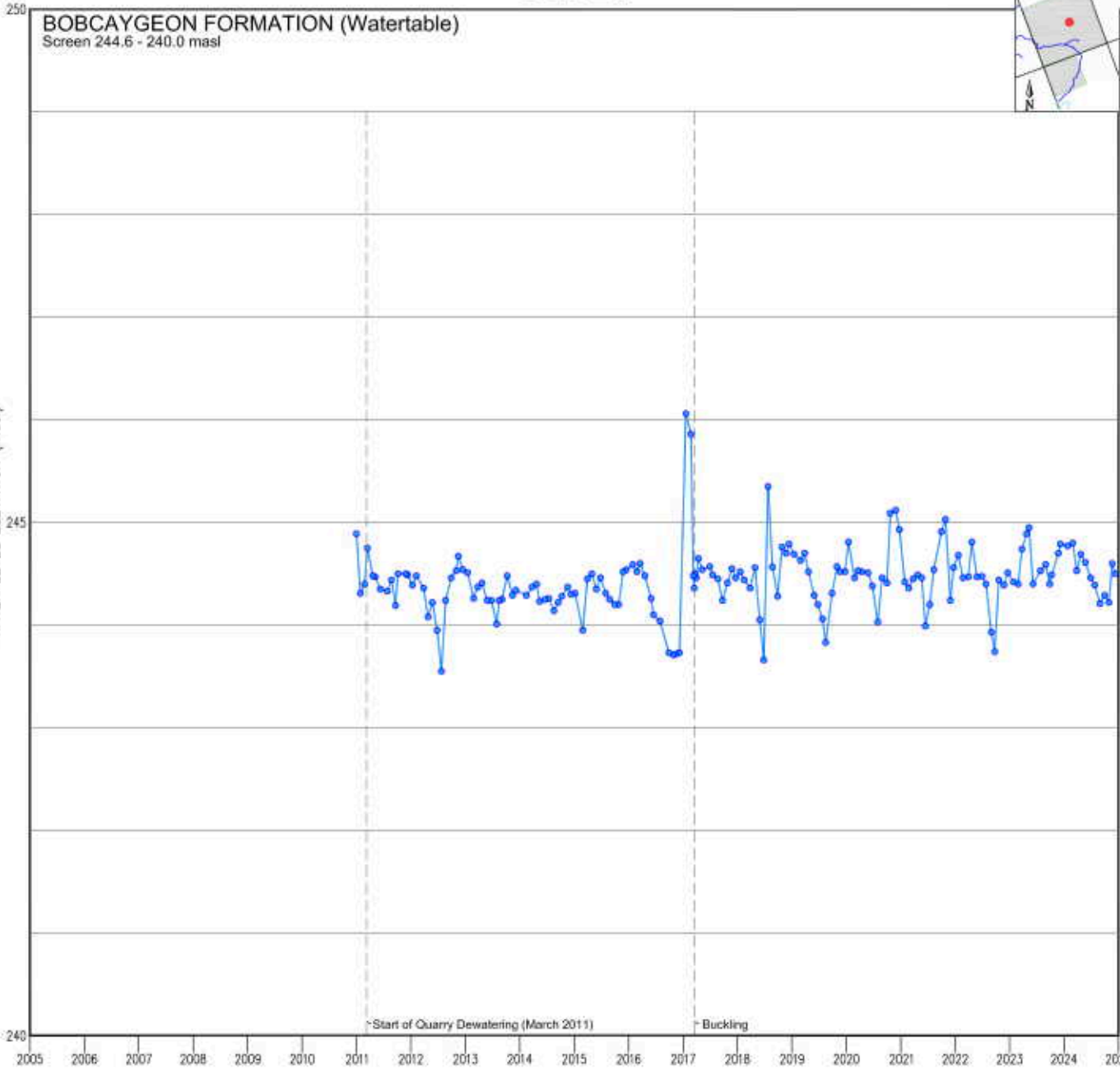
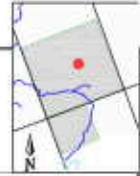


MP Elevation 248.99 masl

Grade 247.9 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
10-Dec-14	247.64	15-Nov-16	247.27	30-May-18	247.25	15-Jan-20	247.76	30-Sep-21	247.68	11-May-23	247.60
06-Jan-15	247.64	07-Dec-16	247.79	26-Jun-18	246.76	25-Feb-20	247.73	27-Oct-21	247.76	06-Jun-23	247.23
29-Apr-15	247.60	20-Jan-17	248.54	25-Jul-18	247.51	20-Mar-20	247.77	29-Nov-21	247.72	27-Jul-23	247.19
29-May-15	247.21	22-Feb-17	248.59	23-Aug-18	247.70	14-Apr-20	247.76	20-Dec-21	247.69	30-Aug-23	247.29
26-Jun-15	247.42	10-Mar-17	FRZ	27-Sep-18	246.85	25-May-20	247.75	21-Jan-22	247.40	27-Sep-23	247.09
31-Jul-15	247.15	23-Mar-17	247.25	26-Oct-18	247.65	24-Jun-20	247.04	22-Feb-22	247.82	10-Oct-23	247.08
27-Aug-15	247.09	30-Mar-17	247.78	23-Nov-18	247.68	30-Jul-20	246.80	30-Mar-22	FRZ	24-Nov-23	247.72
30-Sep-15	247.09	13-Apr-17	247.77	12-Dec-18	247.71	28-Aug-20	247.42	22-Apr-22	247.75	07-Dec-23	247.74
26-Oct-15	247.09	09-May-17	247.76	15-Jan-19	FRZ	30-Sep-20	247.60	26-May-22	247.33	25-Jan-24	247.74
25-Nov-15	247.76	28-Jun-17	247.69	28-Feb-19	FRZ	21-Oct-20	247.76	29-Jun-22	247.19	28-Feb-24	247.76
16-Dec-15	247.76	18-Jul-17	247.67	27-Mar-19	FRZ	27-Nov-20	247.76	26-Jul-22	246.97	26-Mar-24	247.65
29-Jan-16	247.73	22-Aug-17	246.96	22-Apr-19	247.19	22-Dec-20	247.70	31-Aug-22	247.20	23-Apr-24	247.66
18-Mar-16	247.78	22-Sep-17	246.32	30-May-19	247.09	27-Jan-21	247.66	23-Sep-22	247.51	23-May-24	247.64
19-Apr-16	247.52	25-Oct-17	247.64	24-Jun-19	247.25	22-Feb-21	247.57	20-Oct-22	247.78	27-Jun-24	247.43
31-May-16	247.16	24-Nov-17	247.75	25-Jul-19	246.88	24-Mar-21	247.52	24-Nov-22	247.73	25-Jul-24	247.28
16-Jun-16	247.01	19-Dec-17	247.74	15-Aug-19	246.34	23-Apr-21	247.70	19-Dec-22	247.76	29-Aug-24	247.02
29-Jul-16	246.98	19-Jan-18	FRZ	27-Sep-19	247.70	21-May-21	247.23	27-Jan-23	247.70	30-Sep-24	247.26
23-Aug-16	247.74	15-Feb-18	FRZ	30-Oct-19	247.71	14-Jun-21	247.01	27-Feb-23	247.74	28-Oct-24	247.19
27-Sep-16	246.93	26-Mar-18	247.26	20-Nov-19	247.76	14-Jul-21	247.49	24-Mar-23	247.70	19-Nov-24	247.41
28-Oct-16	247.08	28-Apr-18	247.44	23-Dec-19	247.70	10-Aug-21	247.23	24-Apr-23	247.74	11-Dec-24	247.61

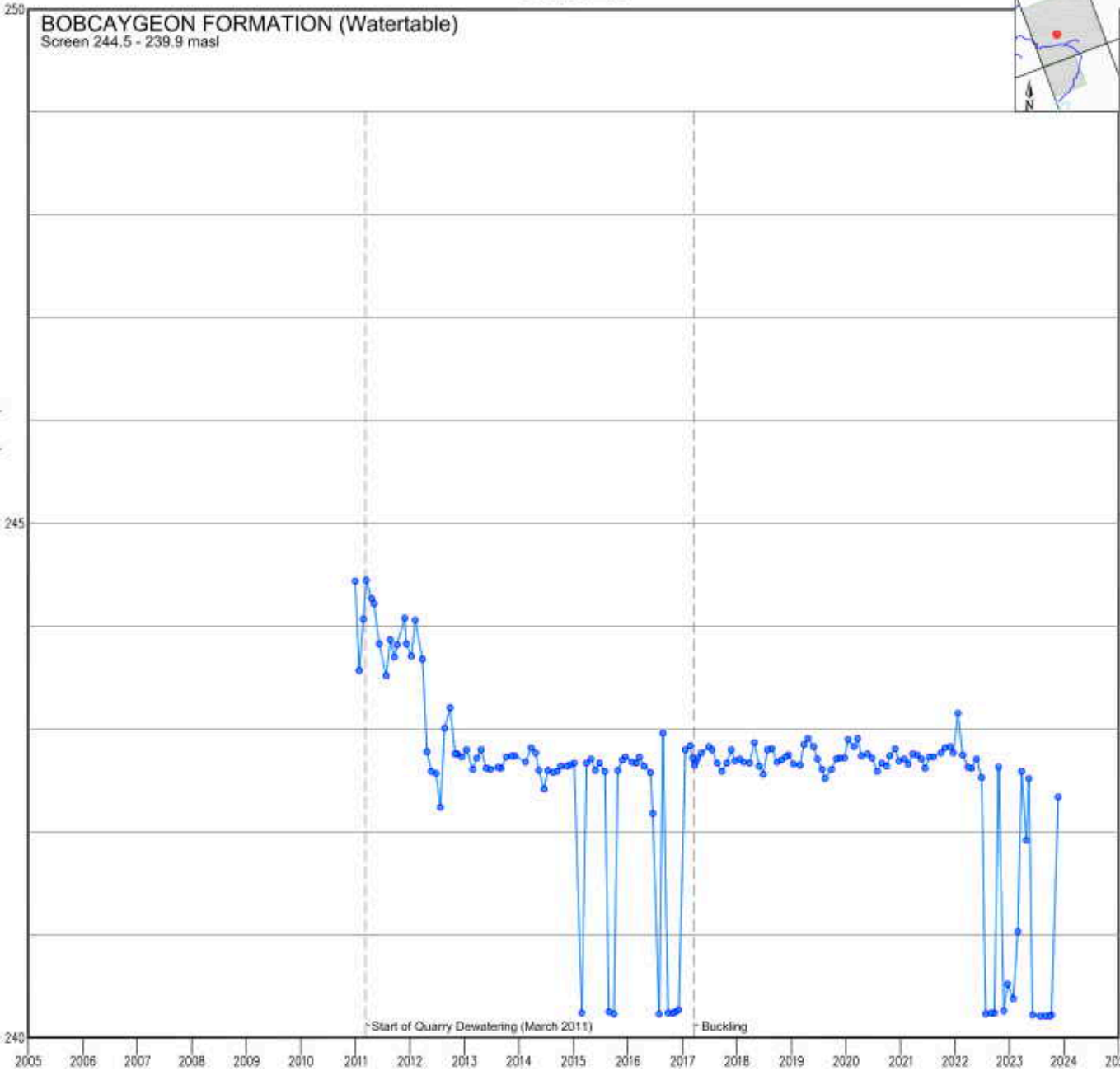
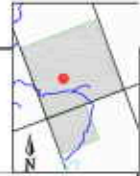
OW-24



MP Elevation 247.07 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
30-Mar-15	244.45	07-Dec-16	243.73	30-May-18	244.05	15-Jan-20	244.81	30-Sep-21	244.91	11-May-23	244.95
29-Apr-15	244.50	20-Jan-17	246.06	26-Jun-18	243.66	25-Feb-20	244.46	27-Oct-21	245.03	06-Jun-23	244.40
29-May-15	244.35	22-Feb-17	245.86	25-Jul-18	245.35	20-Mar-20	244.53	29-Nov-21	244.24	27-Jul-23	244.53
26-Jun-15	244.46	10-Mar-17	244.48	23-Aug-18	244.57	14-Apr-20	244.52	20-Dec-21	244.56	30-Aug-23	244.59
31-Jul-15	244.31	16-Mar-17	244.36	27-Sep-18	244.28	25-May-20	244.51	21-Jan-22	244.68	27-Sep-23	244.40
27-Aug-15	244.25	23-Mar-17	244.50	26-Oct-18	244.76	24-Jun-20	244.38	22-Feb-22	244.46	10-Oct-23	244.49
30-Sep-15	244.20	30-Mar-17	244.46	23-Nov-18	244.70	30-Jul-20	244.03	30-Mar-22	244.47	24-Nov-23	244.70
26-Oct-15	244.20	13-Apr-17	244.65	12-Dec-18	244.79	28-Aug-20	244.46	22-Apr-22	244.81	07-Dec-23	244.79
25-Nov-15	244.52	09-May-17	244.54	15-Jan-19	244.69	30-Sep-20	244.41	26-May-22	244.47	25-Jan-24	244.77
16-Dec-15	244.54	28-Jun-17	244.57	28-Feb-19	244.63	21-Oct-20	245.09	29-Jun-22	244.48	28-Feb-24	244.80
29-Jan-16	244.59	18-Jul-17	244.49	27-Mar-19	244.70	27-Nov-20	245.12	26-Jul-22	244.40	26-Mar-24	244.53
26-Feb-16	244.52	22-Aug-17	244.45	22-Apr-19	244.52	22-Dec-20	244.93	31-Aug-22	243.93	23-Apr-24	244.69
18-Mar-16	244.60	22-Sep-17	244.24	30-May-19	244.29	27-Jan-21	244.42	23-Sep-22	243.74	23-May-24	244.61
19-Apr-16	244.48	25-Oct-17	244.41	24-Jun-19	244.20	22-Feb-21	244.36	20-Oct-22	244.44	27-Jun-24	244.46
31-May-16	244.26	24-Nov-17	244.55	25-Jul-19	244.06	24-Mar-21	244.45	24-Nov-22	244.39	25-Jul-24	244.39
16-Jun-16	244.10	19-Dec-17	244.46	15-Aug-19	243.83	23-Apr-21	244.49	19-Dec-22	244.51	29-Aug-24	244.21
29-Jul-16	244.04	19-Jan-18	244.52	27-Sep-19	244.31	21-May-21	244.46	27-Jan-23	244.42	30-Sep-24	244.29
27-Sep-16	243.73	15-Feb-18	244.44	30-Oct-19	244.57	14-Jun-21	243.99	27-Feb-23	244.40	28-Oct-24	244.22
28-Oct-16	243.71	26-Mar-18	244.36	20-Nov-19	244.52	14-Jul-21	244.20	24-Mar-23	244.74	19-Nov-24	244.60
15-Nov-16	243.72	28-Apr-18	244.56	23-Dec-19	244.52	10-Aug-21	244.54	24-Apr-23	244.89	11-Dec-24	244.50

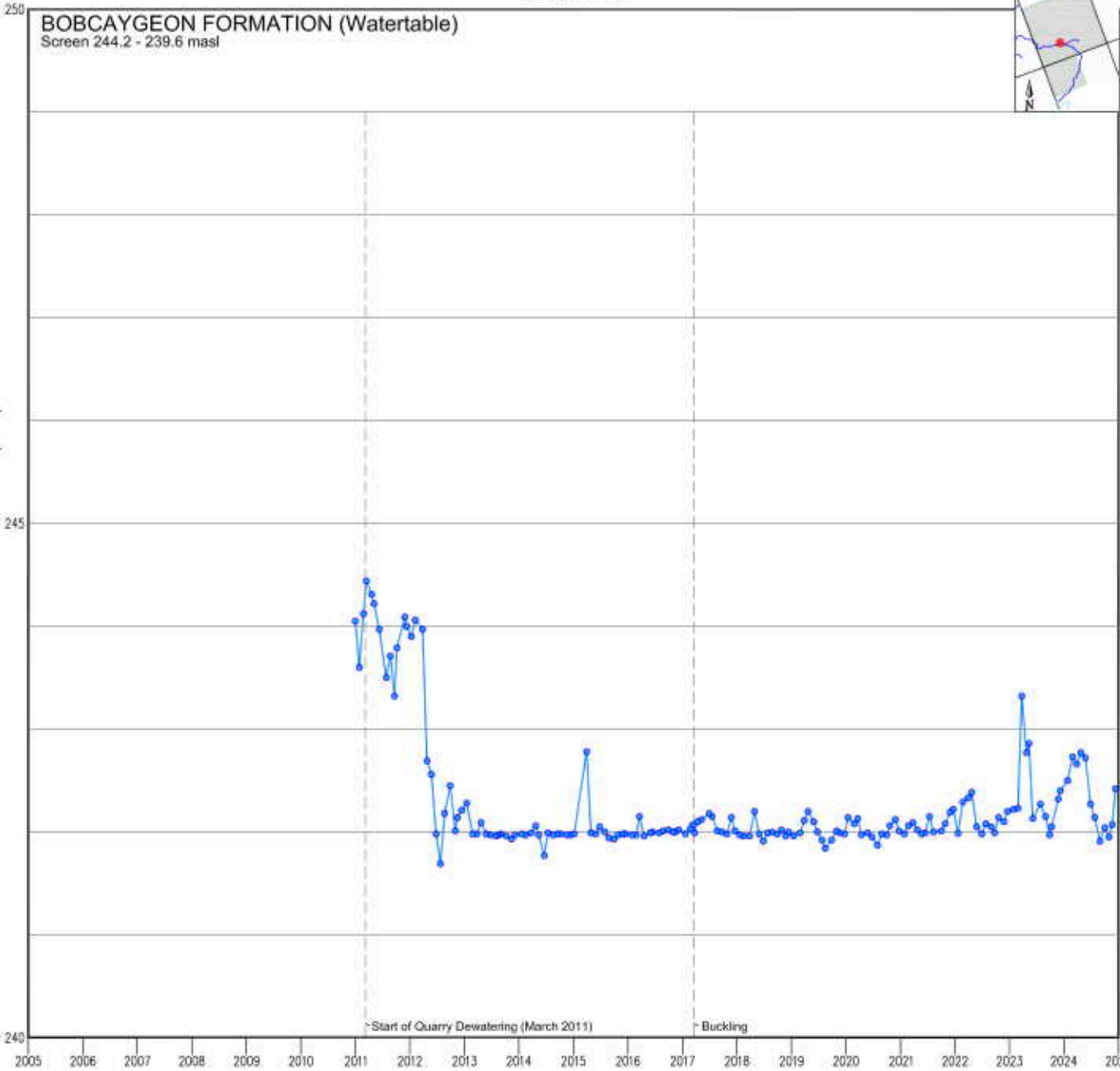
OW-25



MP Elevation 247.22 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
14-Feb-14	242.68	26-Oct-15	242.60	13-Apr-17	242.72	12-Dec-18	242.75	28-Aug-20	242.67	22-Apr-22	242.62
24-Mar-14	242.82	25-Nov-15	242.70	09-May-17	242.77	15-Jan-19	242.66	30-Sep-20	242.64	26-May-22	242.71
23-Apr-14	242.77	16-Dec-15	242.73	28-Jun-17	242.83	28-Feb-19	242.65	21-Oct-20	242.74	29-Jun-22	242.53
14-May-14	242.60	29-Jan-16	242.68	18-Jul-17	242.80	27-Mar-19	242.85	27-Nov-20	242.81	26-Jul-22	240.23
19-Jun-14	242.42	26-Feb-16	242.67	22-Aug-17	242.67	22-Apr-19	242.91	22-Dec-20	242.69	31-Aug-22	240.24
14-Jul-14	242.60	18-Mar-16	242.73	22-Sep-17	242.59	30-May-19	242.83	27-Jan-21	242.71	23-Sep-22	240.24
18-Aug-14	242.58	19-Apr-16	242.64	25-Oct-17	242.67	24-Jun-19	242.71	22-Feb-21	242.66	20-Oct-22	242.63
15-Sep-14	242.59	31-May-16	242.58	24-Nov-17	242.80	25-Jul-19	242.61	24-Mar-21	242.76	24-Nov-22	240.26
09-Oct-14	242.64	16-Jun-16	242.18	19-Dec-17	242.69	15-Aug-19	242.52	23-Apr-21	242.75	19-Dec-22	240.52
18-Nov-14	242.64	29-Jul-16	240.23	19-Jan-18	242.71	27-Sep-19	242.61	21-May-21	242.71	27-Jan-23	240.38
10-Dec-14	242.65	23-Aug-16	242.96	15-Feb-18	242.68	30-Oct-19	242.71	14-Jun-21	242.62	27-Feb-23	241.03
06-Jan-15	242.67	27-Sep-16	240.24	26-Mar-18	242.67	20-Nov-19	242.72	14-Jul-21	242.73	24-Mar-23	242.59
27-Feb-15	240.24	28-Oct-16	240.24	28-Apr-18	242.87	23-Dec-19	242.72	10-Aug-21	242.73	24-Apr-23	241.92
30-Mar-15	242.67	15-Nov-16	240.25	30-May-18	242.64	15-Jan-20	242.90	30-Sep-21	242.77	11-May-23	242.52
29-Apr-15	242.71	07-Dec-16	240.27	26-Jun-18	242.56	25-Feb-20	242.83	27-Oct-21	242.82	06-Jun-23	240.22
29-May-15	242.60	20-Jan-17	242.80	25-Jul-18	242.80	20-Mar-20	242.91	29-Nov-21	242.83	27-Jul-23	240.21
26-Jun-15	242.67	22-Feb-17	242.84	23-Aug-18	242.81	14-Apr-20	242.74	20-Dec-21	242.77	30-Aug-23	240.21
31-Jul-15	242.59	10-Mar-17	242.72	27-Sep-18	242.68	25-May-20	242.76	21-Jan-22	243.15	27-Sep-23	240.21
27-Aug-15	240.25	23-Mar-17	242.65	26-Oct-18	242.70	24-Jun-20	242.72	22-Feb-22	242.75	10-Oct-23	240.22
30-Sep-15	240.23	30-Mar-17	242.68	23-Nov-18	242.73	30-Jul-20	242.59	30-Mar-22	242.63	24-Nov-23	242.34

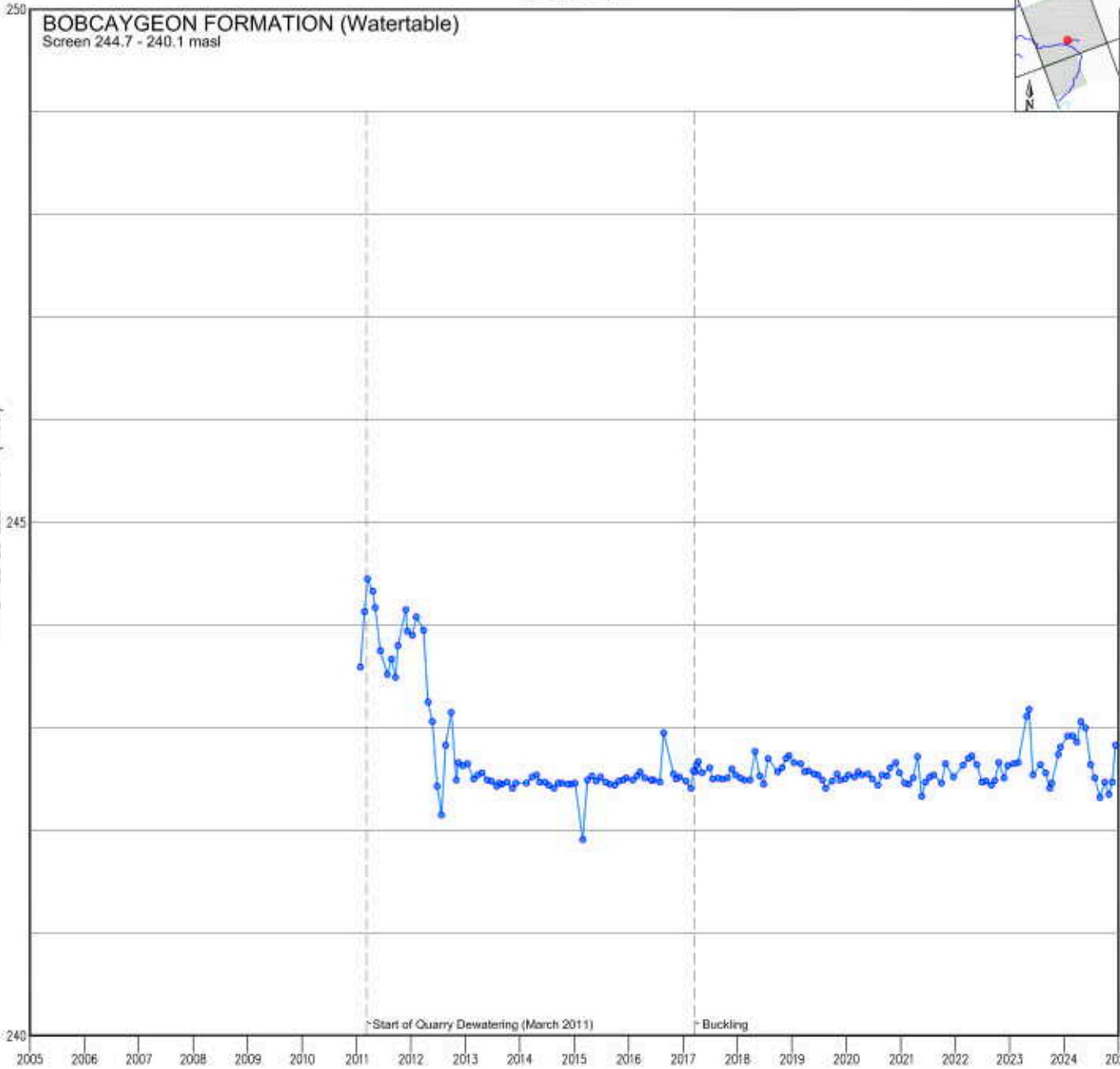
OW-26



MP Elevation 246.56 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
06-Jan-15	241.98	28-Oct-16	242.00	30-May-18	241.98	15-Jan-20	242.14	30-Sep-21	242.01	11-May-23	242.86
30-Mar-15	242.78	15-Nov-16	242.00	26-Jun-18	241.91	25-Feb-20	242.08	27-Oct-21	242.08	06-Jun-23	242.13
29-Apr-15	241.99	07-Dec-16	242.02	25-Jul-18	241.99	20-Mar-20	242.13	29-Nov-21	242.19	27-Jul-23	242.27
29-May-15	241.98	20-Jan-17	241.98	23-Aug-18	242.00	14-Apr-20	241.97	20-Dec-21	242.22	30-Aug-23	242.15
26-Jun-15	242.05	22-Feb-17	242.03	27-Sep-18	241.98	25-May-20	241.99	21-Jan-22	241.99	27-Sep-23	241.97
31-Jul-15	242.00	10-Mar-17	242.07	26-Oct-18	242.02	24-Jun-20	241.95	22-Feb-22	242.29	10-Oct-23	242.05
27-Aug-15	241.94	23-Mar-17	241.99	23-Nov-18	241.96	30-Jul-20	241.87	30-Mar-22	242.33	24-Nov-23	242.32
30-Sep-15	241.93	13-Apr-17	242.10	12-Dec-18	242.00	28-Aug-20	241.98	22-Apr-22	242.38	07-Dec-23	242.40
26-Oct-15	241.97	09-May-17	242.12	15-Jan-19	241.96	30-Sep-20	241.97	26-May-22	242.05	25-Jan-24	242.50
25-Nov-15	241.98	28-Jun-17	242.18	28-Feb-19	241.99	21-Oct-20	242.06	29-Jun-22	241.98	28-Feb-24	242.73
16-Dec-15	241.98	18-Jul-17	242.15	27-Mar-19	242.11	27-Nov-20	242.12	26-Jul-22	242.08	26-Mar-24	242.66
29-Jan-16	241.97	22-Aug-17	242.01	22-Apr-19	242.20	22-Dec-20	242.01	31-Aug-22	242.05	23-Apr-24	242.77
26-Feb-16	241.97	22-Sep-17	242.00	30-May-19	242.10	27-Jan-21	241.98	23-Sep-22	241.99	23-May-24	242.72
18-Mar-16	242.15	25-Oct-17	241.98	24-Jun-19	242.00	22-Feb-21	242.06	20-Oct-22	242.14	27-Jun-24	242.27
19-Apr-16	241.96	24-Nov-17	242.14	25-Jul-19	241.92	24-Mar-21	242.09	24-Nov-22	242.10	25-Jul-24	242.14
31-May-16	241.99	19-Dec-17	242.01	15-Aug-19	241.84	23-Apr-21	242.02	19-Dec-22	242.20	29-Aug-24	241.91
16-Jun-16	242.00	19-Jan-18	241.97	27-Sep-19	241.92	21-May-21	241.98	27-Jan-23	242.22	30-Sep-24	242.04
29-Jul-16	241.99	15-Feb-18	241.96	30-Oct-19	242.01	14-Jun-21	241.99	27-Feb-23	242.23	28-Oct-24	241.95
23-Aug-16	242.01	26-Mar-18	241.96	20-Nov-19	241.99	14-Jul-21	242.15	24-Mar-23	243.32	19-Nov-24	242.07
27-Sep-16	242.02	28-Apr-18	242.20	23-Dec-19	241.98	10-Aug-21	242.00	24-Apr-23	242.77	11-Dec-24	242.42

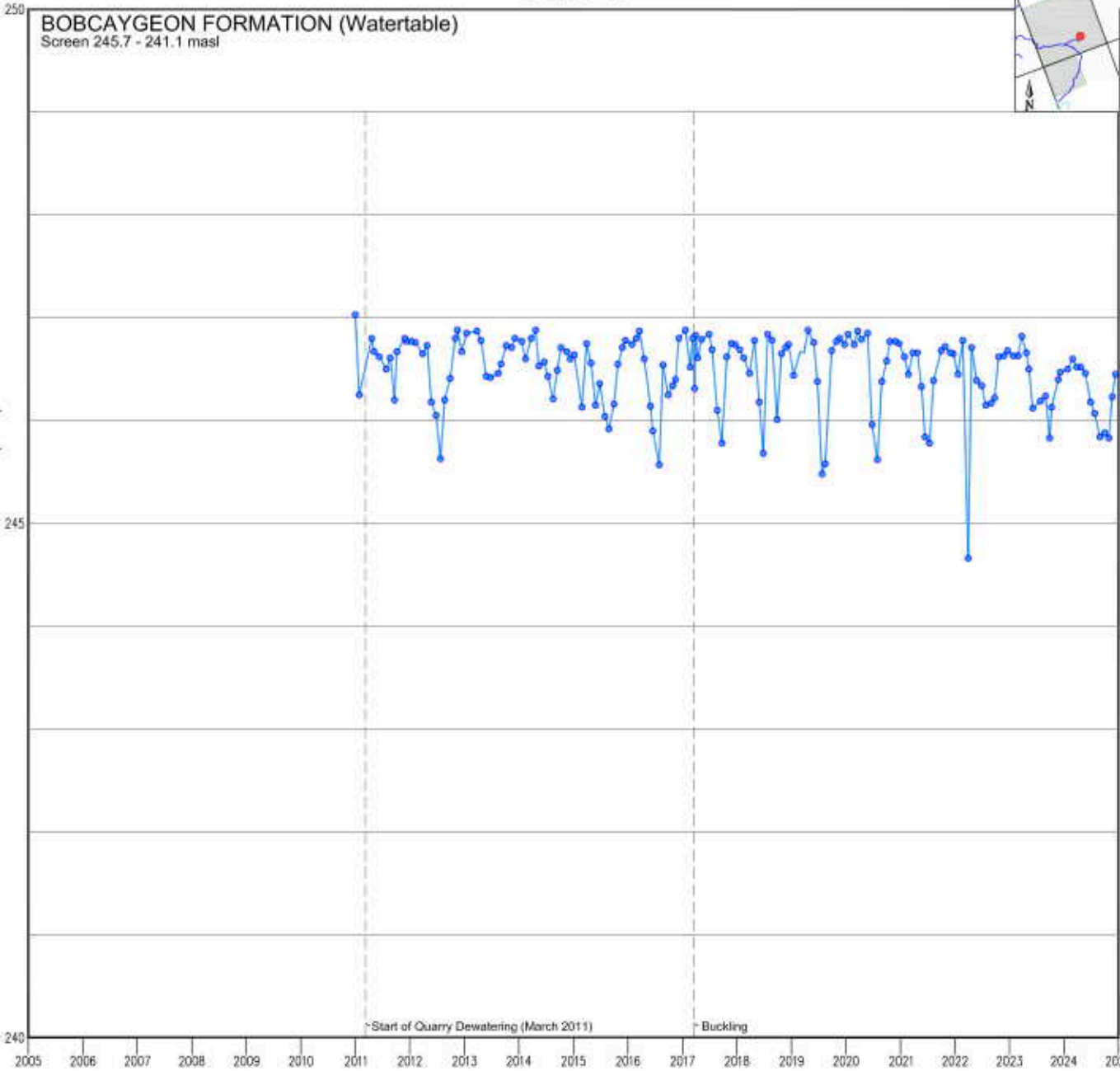
OW-27



MP Elevation 247.16 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
09-Oct-14	242.46	16-Jun-16	242.49	19-Jan-18	242.51	30-Oct-19	242.55	14-Jun-21	242.47	11-May-23	243.18
18-Nov-14	242.45	29-Jul-16	242.47	15-Feb-18	242.49	20-Nov-19	242.49	14-Jul-21	242.52	06-Jun-23	242.54
10-Dec-14	242.45	23-Aug-16	242.95	26-Mar-18	242.49	23-Dec-19	242.50	10-Aug-21	242.54	27-Jul-23	242.64
06-Jan-15	242.46	28-Oct-16	242.55	28-Apr-18	242.77	15-Jan-20	242.54	30-Sep-21	242.46	30-Aug-23	242.56
27-Feb-15	241.91	15-Nov-16	242.50	30-May-18	242.53	25-Feb-20	242.52	27-Oct-21	242.65	27-Sep-23	242.41
30-Mar-15	242.49	07-Dec-16	242.52	26-Jun-18	242.45	20-Mar-20	242.57	20-Dec-21	242.52	10-Oct-23	242.46
29-Apr-15	242.53	20-Jan-17	242.48	25-Jul-18	242.70	14-Apr-20	242.54	22-Feb-22	242.64	24-Nov-23	242.74
29-May-15	242.48	22-Feb-17	242.41	27-Sep-18	242.57	25-May-20	242.55	30-Mar-22	242.70	07-Dec-23	242.81
26-Jun-15	242.52	10-Mar-17	242.58	26-Oct-18	242.61	24-Jun-20	242.50	22-Apr-22	242.73	25-Jan-24	242.92
31-Jul-15	242.47	23-Mar-17	242.57	23-Nov-18	242.70	30-Jul-20	242.44	26-May-22	242.64	28-Feb-24	242.92
27-Aug-15	242.45	30-Mar-17	242.63	12-Dec-18	242.73	28-Aug-20	242.54	29-Jun-22	242.47	26-Mar-24	242.86
30-Sep-15	242.44	13-Apr-17	242.67	15-Jan-19	242.66	30-Sep-20	242.53	26-Jul-22	242.48	23-Apr-24	243.06
26-Oct-15	242.48	09-May-17	242.56	28-Feb-19	242.65	21-Oct-20	242.61	31-Aug-22	242.44	23-May-24	243.00
25-Nov-15	242.49	28-Jun-17	242.61	27-Mar-19	242.57	27-Nov-20	242.66	23-Sep-22	242.49	27-Jun-24	242.64
16-Dec-15	242.51	18-Jul-17	242.50	22-Nov-19	242.58	22-Dec-20	242.56	20-Oct-22	242.66	25-Jul-24	242.51
29-Jan-16	242.49	22-Aug-17	242.51	30-May-19	242.55	27-Jan-21	242.46	24-Nov-22	242.51	29-Aug-24	242.32
26-Feb-16	242.53	22-Sep-17	242.50	24-Jun-19	242.54	22-Feb-21	242.45	19-Dec-22	242.63	30-Sep-24	242.47
18-Mar-16	242.57	25-Oct-17	242.51	25-Jul-19	242.49	24-Mar-21	242.51	27-Jan-23	242.65	28-Oct-24	242.35
19-Apr-16	242.51	24-Nov-17	242.60	15-Aug-19	242.41	23-Apr-21	242.72	27-Feb-23	242.66	19-Nov-24	242.47
31-May-16	242.49	19-Dec-17	242.54	27-Sep-19	242.48	21-May-21	242.33	24-Apr-23	243.11	11-Dec-24	242.83

OW-28



MP Elevation 247.89 masl

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
30-Mar-15	246.75	15-Nov-16	246.40	30-May-18	246.18	15-Jan-20	246.84	30-Sep-21	246.68	11-May-23	246.50
29-Apr-15	246.56	07-Dec-16	246.80	26-Jun-18	245.68	25-Feb-20	246.74	27-Oct-21	246.72	06-Jun-23	246.12
29-May-15	246.15	20-Jan-17	246.88	25-Jul-18	246.84	20-Mar-20	246.87	29-Nov-21	246.66	27-Jul-23	246.19
26-Jun-15	246.36	22-Feb-17	246.52	23-Aug-18	246.78	14-Apr-20	246.79	20-Dec-21	246.65	30-Aug-23	246.24
31-Jul-15	246.04	10-Mar-17	246.80	27-Sep-18	246.01	25-May-20	246.85	21-Jan-22	246.45	27-Sep-23	245.83
27-Aug-15	245.92	23-Mar-17	246.31	26-Oct-18	246.65	24-Jun-20	245.96	22-Feb-22	246.78	10-Oct-23	246.13
30-Sep-15	246.16	30-Mar-17	246.83	23-Nov-18	246.71	30-Jul-20	245.62	30-Mar-22	244.66	24-Nov-23	246.40
26-Oct-15	246.55	13-Apr-17	246.61	12-Dec-18	246.74	28-Aug-20	246.38	22-Apr-22	246.71	07-Dec-23	246.47
25-Nov-15	246.71	09-May-17	246.79	15-Jan-19	246.44	30-Sep-20	246.58	26-May-22	246.39	25-Jan-24	246.50
16-Dec-15	246.78	28-Jun-17	246.84	28-Feb-19	FRZ	21-Oct-20	246.77	29-Jun-22	246.34	28-Feb-24	246.60
29-Jan-16	246.74	18-Jul-17	246.69	27-Mar-19	FRZ	27-Nov-20	246.77	26-Jul-22	246.15	26-Mar-24	246.52
26-Feb-16	246.80	22-Aug-17	246.10	22-Apr-19	246.88	22-Dec-20	246.75	31-Aug-22	246.17	23-Apr-24	246.52
18-Mar-16	246.87	22-Sep-17	245.78	30-May-19	246.76	27-Jan-21	246.62	23-Sep-22	246.22	23-May-24	246.46
19-Apr-16	246.60	25-Oct-17	246.62	24-Jun-19	246.38	22-Feb-21	246.45	20-Oct-22	246.62	27-Jun-24	246.18
31-May-16	246.14	24-Nov-17	246.75	25-Jul-19	245.48	24-Mar-21	246.66	24-Nov-22	246.63	25-Jul-24	246.07
16-Jun-16	245.90	19-Dec-17	246.74	15-Aug-19	245.56	23-Apr-21	246.66	19-Dec-22	246.68	29-Aug-24	245.84
29-Jul-16	245.57	19-Jan-18	246.69	27-Sep-19	246.68	21-May-21	246.33	27-Jan-23	246.63	30-Sep-24	245.88
23-Aug-16	246.54	15-Feb-18	246.61	30-Oct-19	246.77	14-Jun-21	245.84	27-Feb-23	246.63	28-Oct-24	245.83
27-Sep-16	246.25	26-Mar-18	246.46	20-Nov-19	246.80	14-Jul-21	245.78	24-Mar-23	246.82	19-Nov-24	246.23
28-Oct-16	246.34	28-Apr-18	246.78	23-Dec-19	246.74	10-Aug-21	246.39	24-Apr-23	246.66	11-Dec-24	246.45