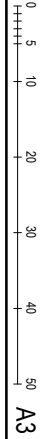


CONSULTANT PROJECT

665.10014

FULL SIZE ON ORIGINAL



A3

DATE	DESCRIPTION	MS
31.03.2023	PRELIMINARY ISSUE	MS
28.03.2022	PRELIMINARY ISSUE	MS
25.03.2022	PRELIMINARY ISSUE	MS
18.03.2021	PRELIMINARY ISSUE	MS

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Responsible Principal Signature _____ Date _____

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MS	28.03.2023
DESIGN:	DATE:
WR	28.03.2023
DRG. CHECK:	DATE:
DES. CHECK:	DATE:

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SCALE 1:30000

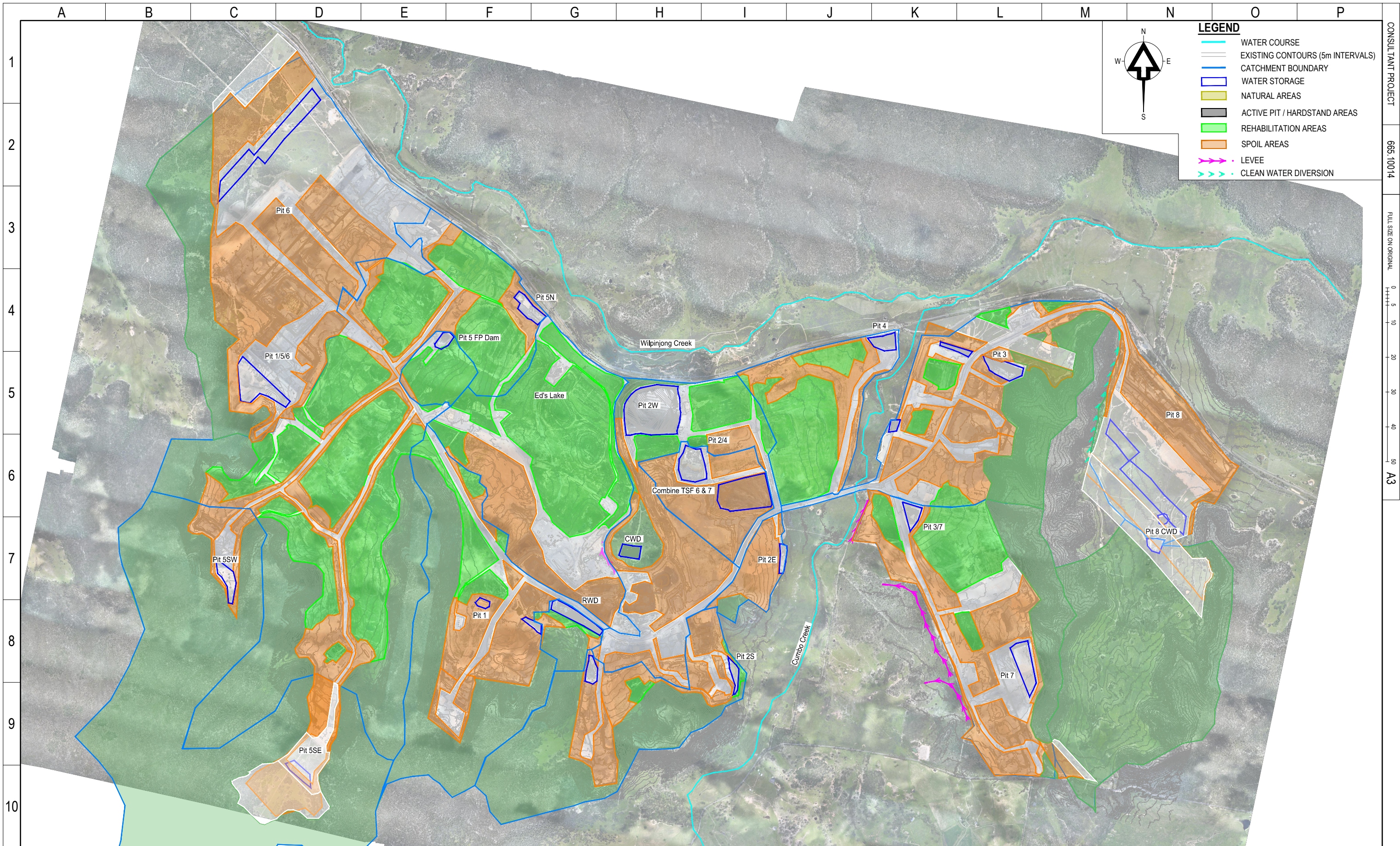
PRELIMINARY

A3 DO NOT SCALE THIS DRAWING IF IN DOUBT ASK

CLIENT:	WILPINJONG COAL PTY. LTD.
PROJECT:	WATER BALANCE UPDATE 2022
DRAWING TITLE:	END OF YEAR 2024 CATCHMENT PLAN
DRAWING NUMBER:	665.10014 - FIGURE 4B
ISSUE:	D

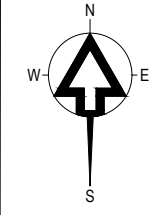
Table B3: 2024 Catchment and Land Type Areas (based on end of year 2024 conditions)

Name	Natural (ha)	Rehabilitation (ha)	Spoil (ha)	Hardstand/Active Pit (ha)	Total (ha)
Water Storages					
Pit 2 West	23.3	37.2	93.0	78.1	231.6
Clean Water Dam (CWD)	-	-	-	2.1	2.1
Ed's Lake	-	153.8	65.3	67.6	286.7
Pit 1S	-	-	-	-	-
Pit 5 FP Dam	-	27.4	1.2	4.5	33.1
Recycled Water Dam (RWD)	14.5	3.3	3.2	5.7	26.7
Pit 8 Mine Water Dams (CWD)	309.8	-	-	1.6	311.4
Sediment Dams					
<i>Including in respective pit catchments</i>					
Mining Pits					
Pit 1	150.7	33.2	77.1	35.3	296.2
Pit 2 East	4.4	-	25.9	2.2	32.4
Pit 2 South	135.6	5.6	62.1	17.0	220.2
Pit 3	98.2	29.5	94.7	69.9	292.2
Pit 4	-	79.4	36.5	16.7	132.6
Pit 5 North	236.1	324.0	99.7	63.4	723.2
Pit 5 South	502.4	-	37.6	52.3	592.4
Pit 6	102.0	-	211.0	198.7	511.7
Pit 7	67.5	62.0	96.3	68.7	294.5
Pit 8	9.2	-	80.6	64.1	153.9
Other					
Combined (6 & 7) Tailings Dams	-	-	64.4	13.3	77.7



LEGEND

- WATER COURSE
- EXISTING CONTOURS (5m INTERVALS)
- CATCHMENT BOUNDARY
- WATER STORAGE
- NATURAL AREAS
- ACTIVE PIT / HARDSTAND AREAS
- REHABILITATION AREAS
- SPOIL AREAS
- LEVEE
- CLEAN WATER DIVERSION



CONSULTANT PROJECT 665.10014 FULL SIZE ON ORIGINAL 0 5 10 20 30 40 50 A3

DATE	DESCRIPTION	DATE	DESCRIPTION
31.03.2023	PRELIMINARY ISSUE	MS	
28.03.2022	PRELIMINARY ISSUE	MS	
25.03.2022	PRELIMINARY ISSUE	MS	
18.03.2021	PRELIMINARY ISSUE	MS	

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CLIENT:	WILPINJONG COAL PTY. LTD.
PROJECT:	WATER BALANCE UPDATE 2022
DRAWING TITLE:	END OF YEAR 2025 CATCHMENT PLAN
DRAWING NUMBER:	665.10014 - FIGURE 4B
ISSUE:	D

H:\Projects-SLR\660-Srv\WOL\665.10014 Wilpinjong GW06 SLR Data\01 CAD\GIS\CAD\Workings\665.10014 - SK01 to SK05 (LATEST 2023).dwg

Table B4: 2025 Catchment and Land Type Areas (based on end of year 2025 conditions)

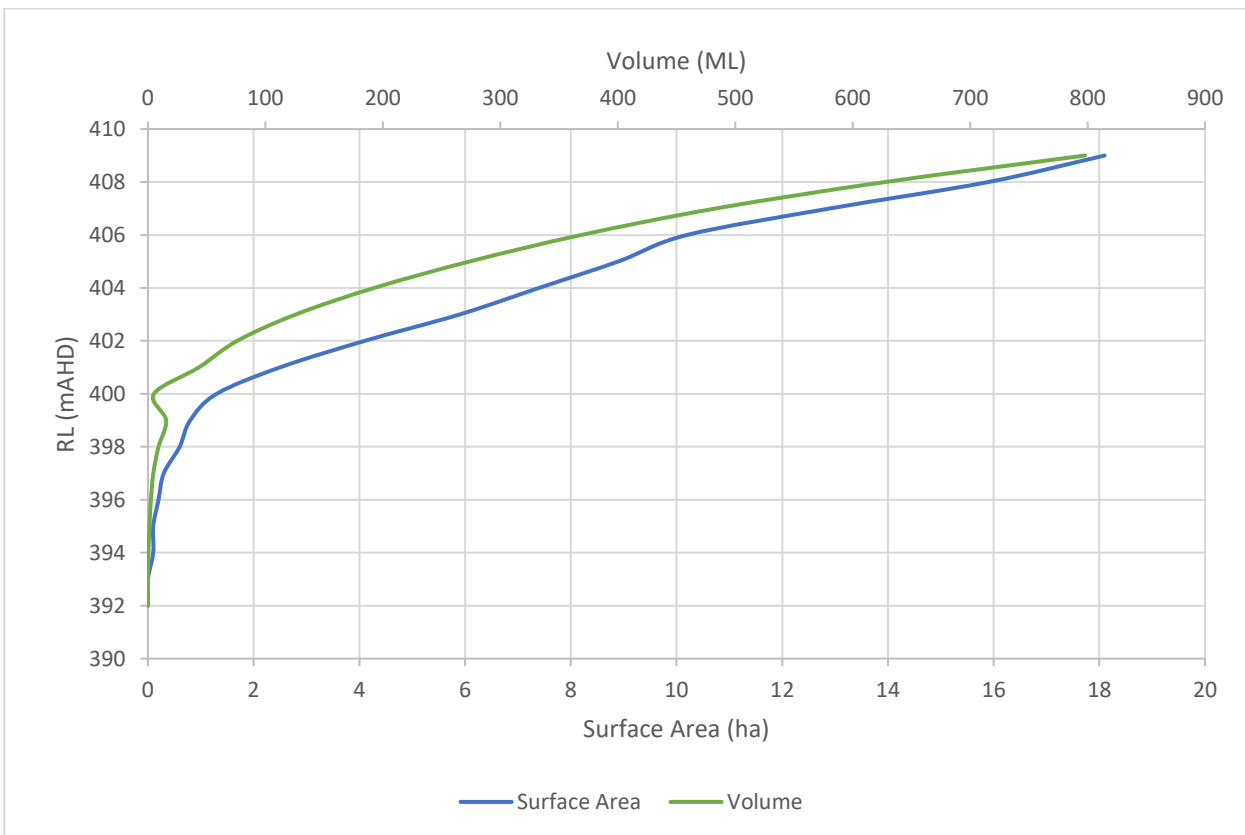
Name	Natural (ha)	Rehabilitation (ha)	Spoil (ha)	Hardstand/Active Pit (ha)	Total (ha)
Water Storages					
Pit 2 West	23.3	37.2	93.0	78.1	231.6
Clean Water Dam (CWD)	-	-	-	2.1	2.1
Ed's Lake	-	153.8	65.3	67.6	286.7
Pit 1S	-	-	-	-	-
Pit 5 FP Dam	-	27.4	1.2	4.5	33.1
Recycled Water Dam (RWD)	14.5	3.3	3.2	5.7	26.7
Pit 8 Mine Water Dams (CWD)	309.8	-	-	1.6	311.4
Sediment Dams					
<i>Including in respective pit catchments</i>					
Mining Pits					
Pit 1	150.7	33.2	77.1	35.3	296.2
Pit 2 East	4.4	-	25.9	2.2	32.4
Pit 2 South	135.6	5.6	62.1	17.0	220.2
Pit 3	98.2	29.5	94.7	69.9	292.2
Pit 4	-	79.4	36.5	16.7	132.6
Pit 5 North	236.1	324.0	99.7	63.4	723.2
Pit 5 South	502.4	-	37.6	52.3	592.4
Pit 6	102.0	-	211.0	198.7	511.7
Pit 7	67.5	62.0	96.3	68.7	294.5
Pit 8	9.2	-	80.6	64.1	153.9
Other					
Combined (6 & 7) Tailings Dams	-	-	64.4	13.3	77.7

APPENDIX C

Storage Curves

Pit 1

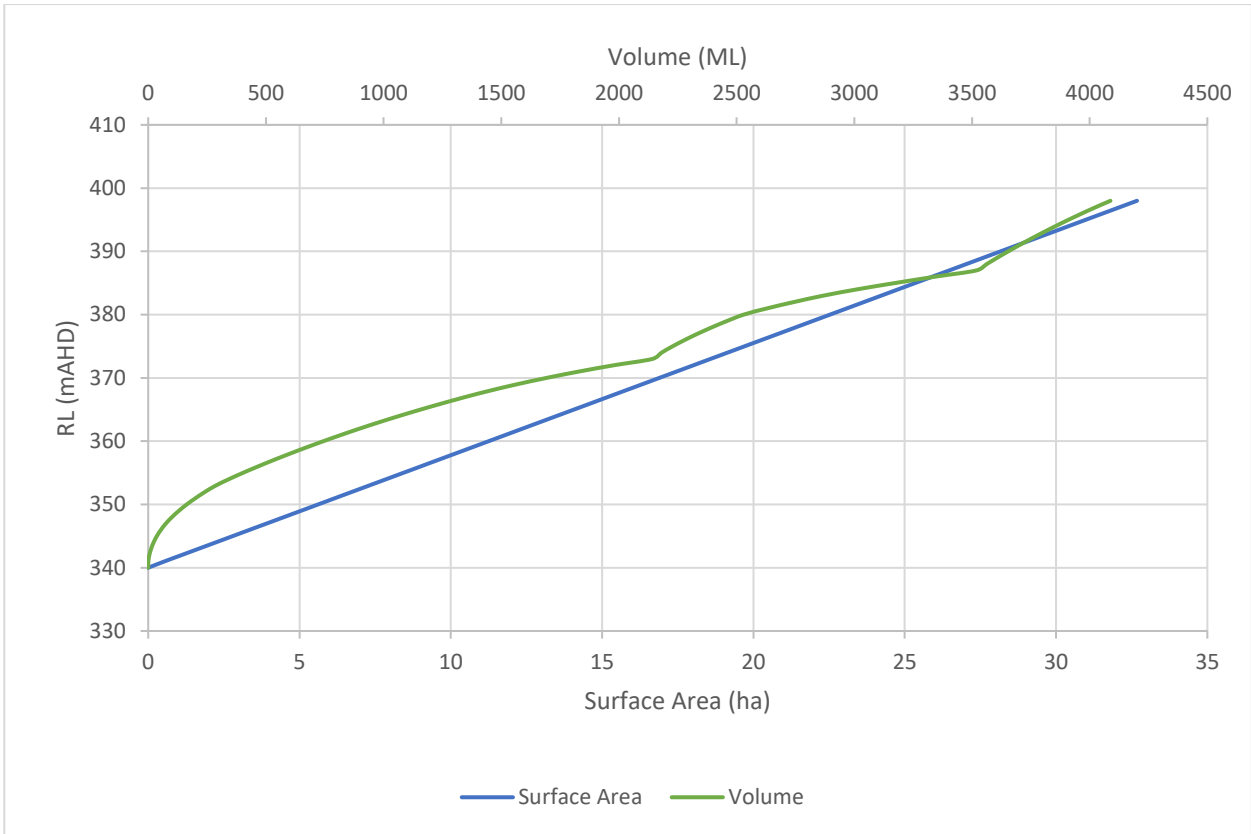
RL (mAHD)	Area (ha)	Volume (ML)
392	0	0
393	0	0
394	0.1	0.4
395	0.1	1.3
396	0.2	2.5
397	0.3	4.6
398	0.6	9
399	0.8	15.5
400	1.3	5.1
401	2.5	43.4
402	4.1	76
403	5.9	126
404	7.4	192.7
405	8.9	274
406	10.2	368.9
407	12.9	483.4
408	15.9	627.6
409	18.1	797.8



Pit 2W

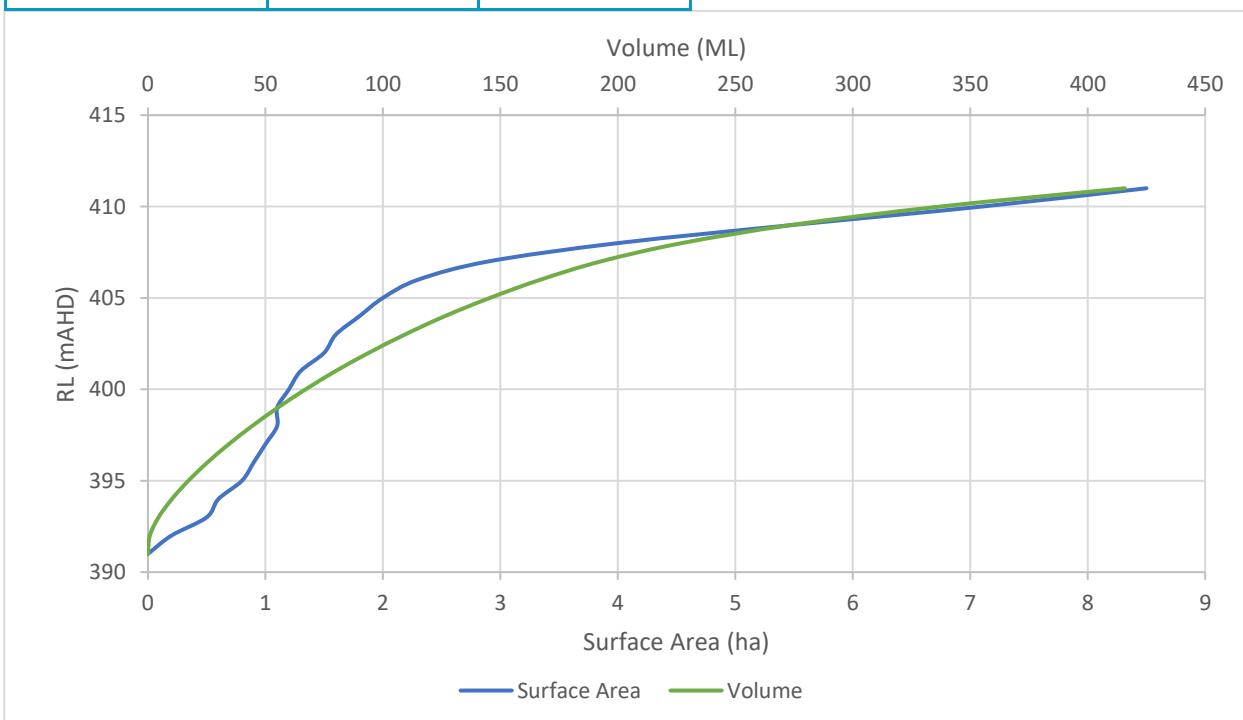
RL (mAHD)	Area (ha)	Volume (ML)
340	0	0
341	0.5	1
342	1.1	5
343	1.7	12
344	2.2	23
345	2.8	37
346	3.4	54
347	3.9	75
348	4.5	101
349	5.0	130
350	5.6	164
351	6.2	201
352	6.7	242
353	7.3	288
354	7.9	343
355	8.4	403
356	9.0	466
357	9.6	532
358	10.1	600
359	10.7	671
360	11.3	744
361	11.8	820
362	12.4	899
363	12.9	981
364	13.5	1067
365	14.1	1157
366	14.6	1251
367	15.2	1349
368	15.8	1453
369	16.3	1567

RL (mAHD)	Area (ha)	Volume (ML)
370	16.9	1692
371	17.5	1828
372	18.0	1977
373	18.6	2142
374	19.1	2181
375	19.7	2228
376	20.3	2279
377	20.8	2335
378	21.4	2395
379	22.0	2459
380	22.5	2529
381	23.1	2630
382	23.7	2744
383	24.2	2867
384	24.8	3012
385	25.3	3173
386	25.9	3342
387	26.5	3519
388	27.0	3563
389	27.6	3607
390	28.2	3654
391	28.7	3701
392	29.3	3751
393	29.9	3802
394	30.4	3855
395	31.0	3910
396	31.5	3967
397	32.1	4026
398	32.7	4088



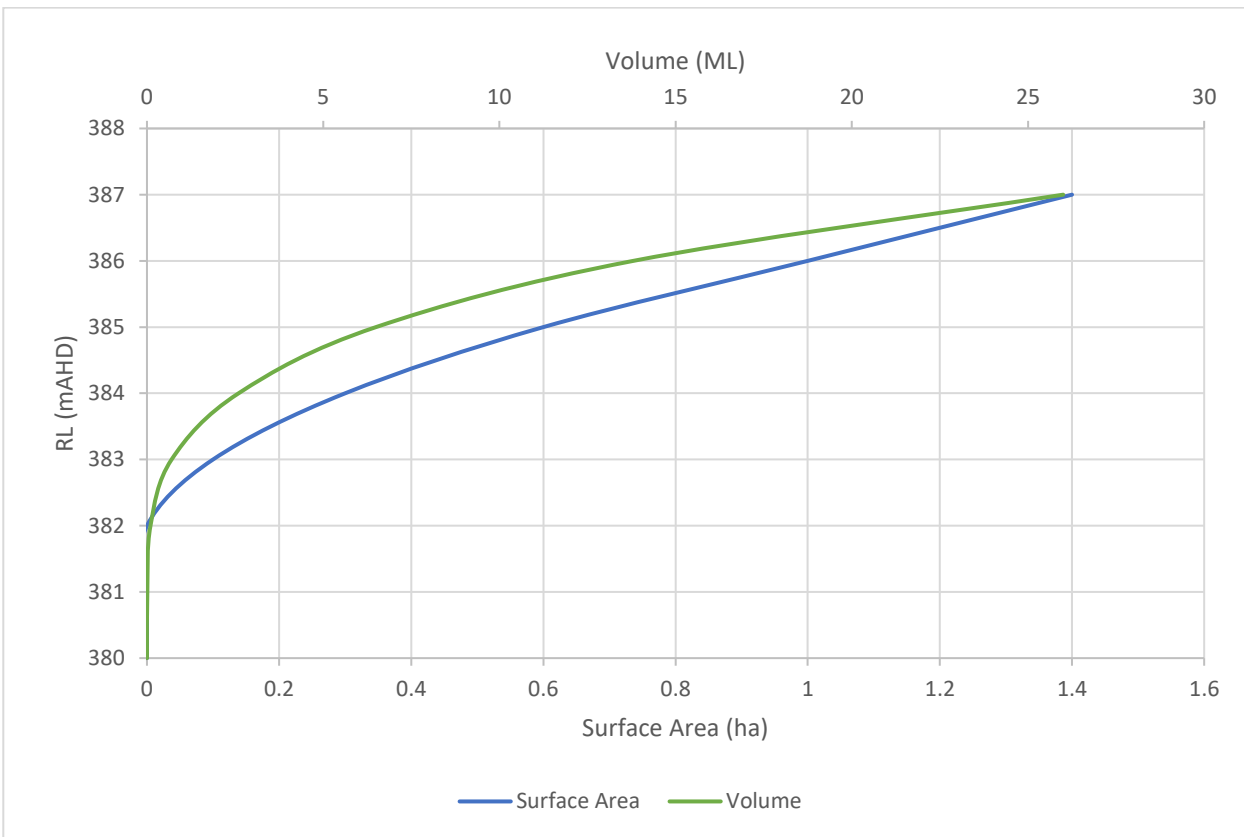
Pit 2 South

RL (mAHD)	Area (ha)	Volume (ML)
391	0	0
392	0.2	0.8
393	0.5	4.5
394	0.6	10.2
395	0.8	17.2
396	0.9	25.3
397	1	34.4
398	1.1	44.4
399	1.1	55.3
400	1.2	67.1
401	1.3	79.9
402	1.5	94
403	1.6	109.4
404	1.8	126.3
405	2	145.5
406	2.3	167.1
407	2.9	192.8
408	4	227.2
409	5.5	274.4
410	7.1	337.3
411	8.5	415.8



Pit 2 East

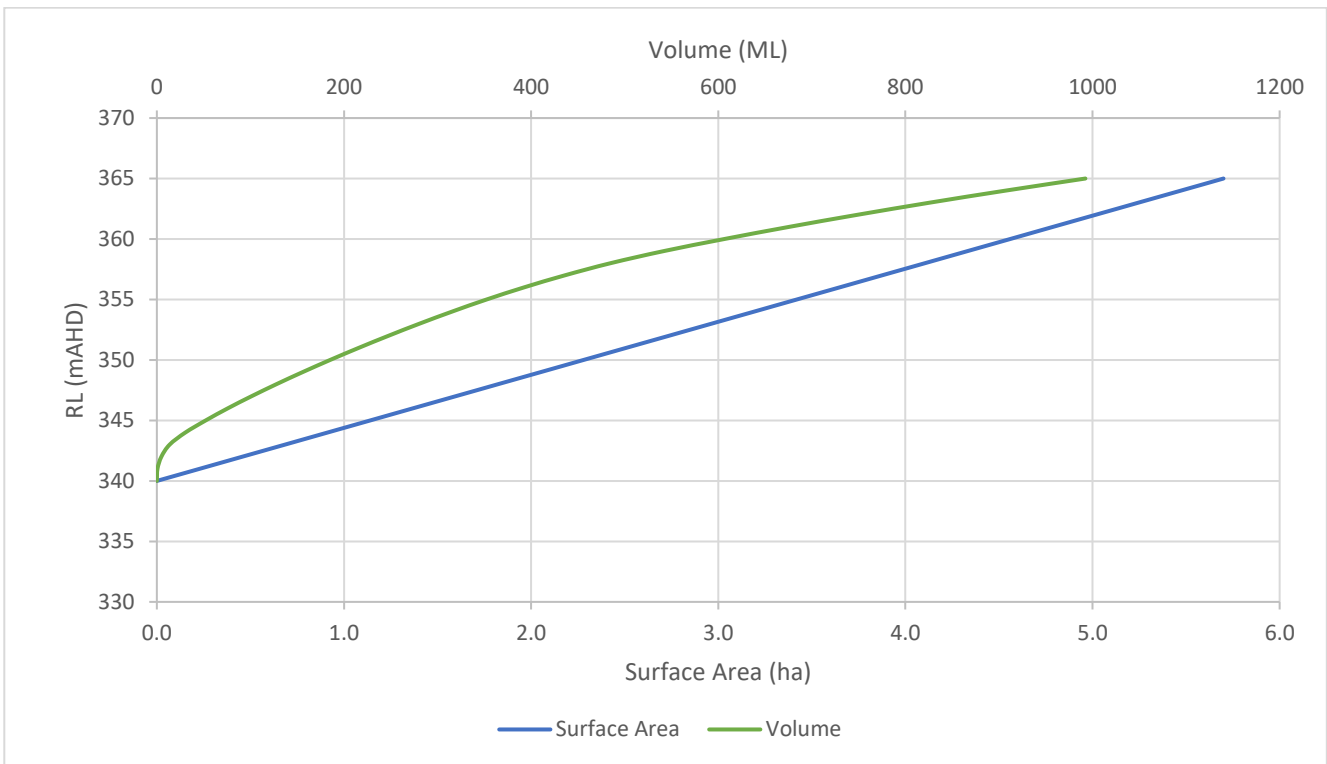
RL (mAHD)	Area (ha)	Volume (ML)
380	0	0
381	0	0.01
382	0	0.1
383	0.1	0.7
384	0.3	2.6
385	0.6	6.5
386	1	13.8
387	1.4	26



Pit 3

RL (mAHD)	Area (ha)	Volume (ML)
340	0.0	0
341	0.2	1
342	0.5	5
343	0.7	14
344	0.9	30
345	1.1	52
346	1.4	76
347	1.6	101
348	1.8	128
349	2.1	156
350	2.3	185
351	2.5	216
352	2.7	247

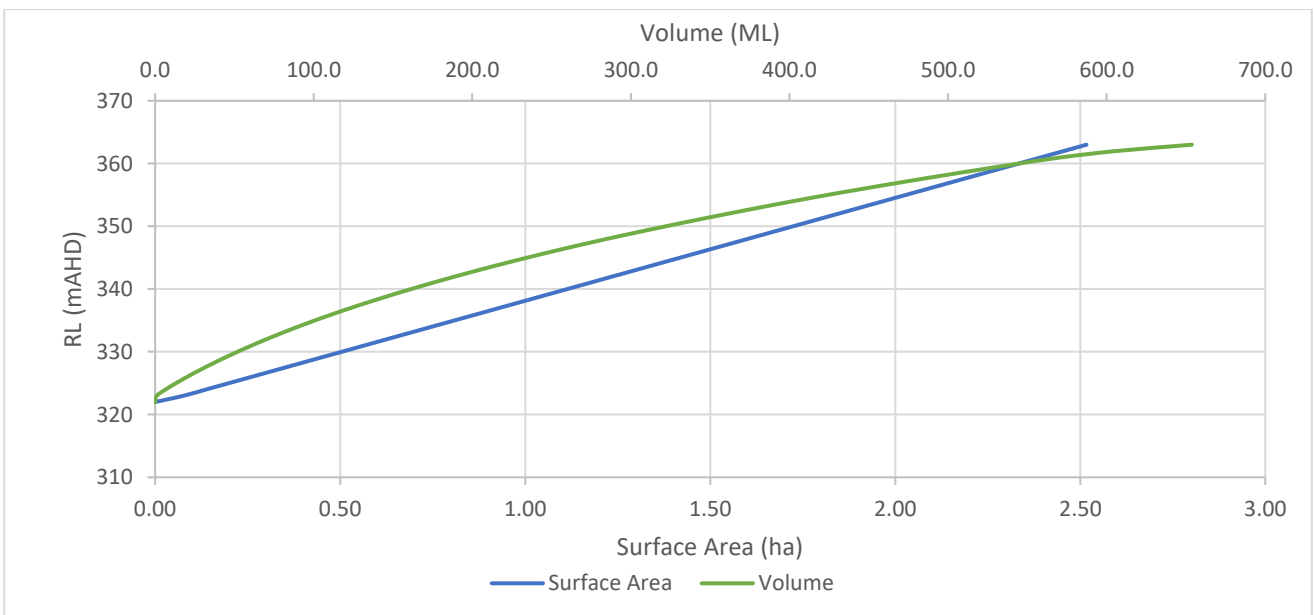
RL (mAHD)	Area (ha)	Volume (ML)
353	3.0	281
354	3.2	316
355	3.4	352
356	3.6	392
357	3.9	436
358	4.1	485
359	4.3	542
360	4.6	606
361	4.8	676
362	5.0	749
363	5.2	826
364	5.5	907
365	5.7	992



Pit 4

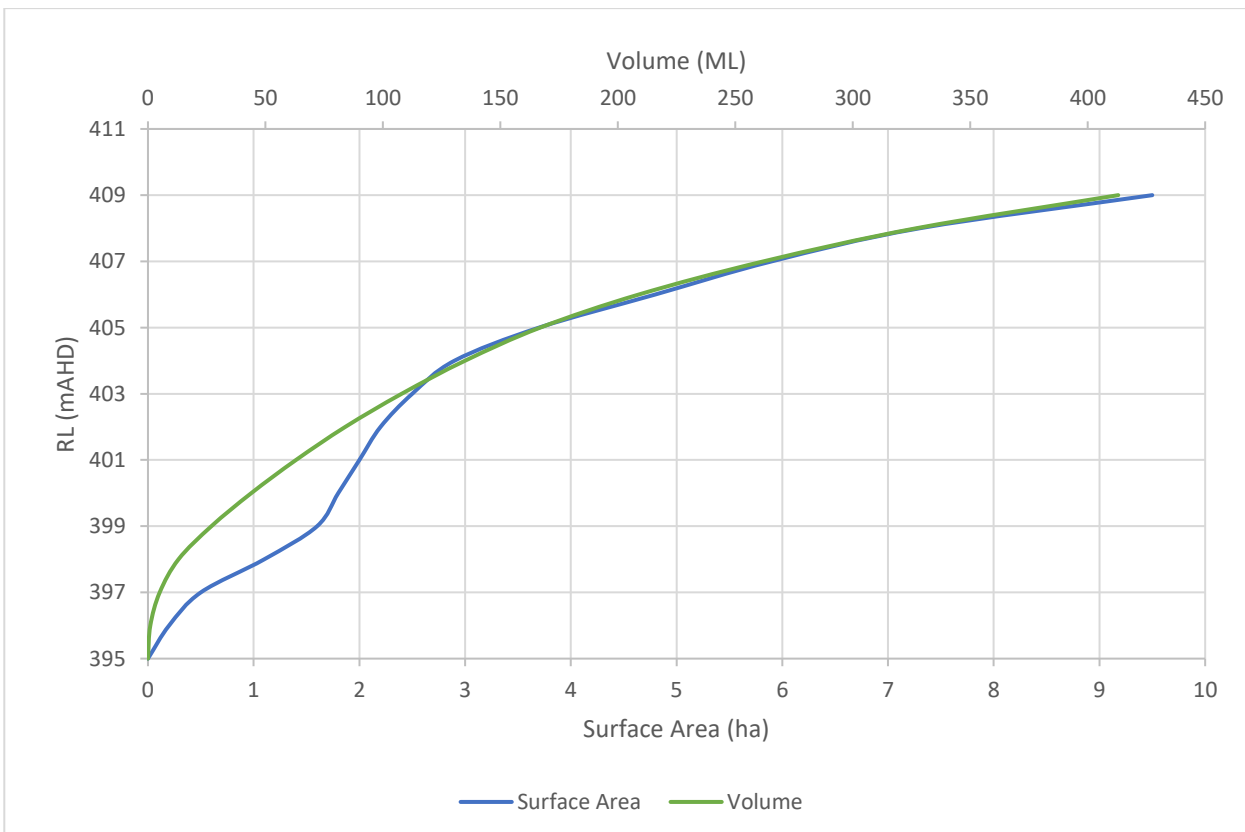
RL (mAHD)	Area (ha)	Volume (ML)
322	0.00	0.0
323	0.08	1.0
324	0.14	6.6
325	0.20	13.2
326	0.26	20.1
327	0.32	27.5
328	0.38	35.3
329	0.44	43.4
330	0.50	51.9
331	0.57	60.8
332	0.63	70.2
333	0.69	79.9
334	0.75	90.1
335	0.81	100.8
336	0.87	111.9
337	0.93	123.5
338	0.99	135.7
339	1.05	148.3
340	1.11	161.5
341	1.18	175.1
342	1.24	189.1
343	1.30	203.7
344	1.36	218.9

RL (mAHD)	Area (ha)	Volume (ML)
345	1.42	234.5
346	1.48	250.7
347	1.54	267.5
348	1.60	285.0
349	1.66	303.3
350	1.72	322.0
351	1.79	341.3
352	1.85	361.1
353	1.91	381.4
354	1.97	402.3
355	2.03	424.0
356	2.09	446.8
357	2.15	470.3
358	2.21	494.4
359	2.27	519.2
360	2.33	544.9
361	2.40	571.7
362	2.46	606.3
363	2.52	653.8
364	2.58	715.5
365	2.64	786.1
366	2.70	866.7



Pit 5 South

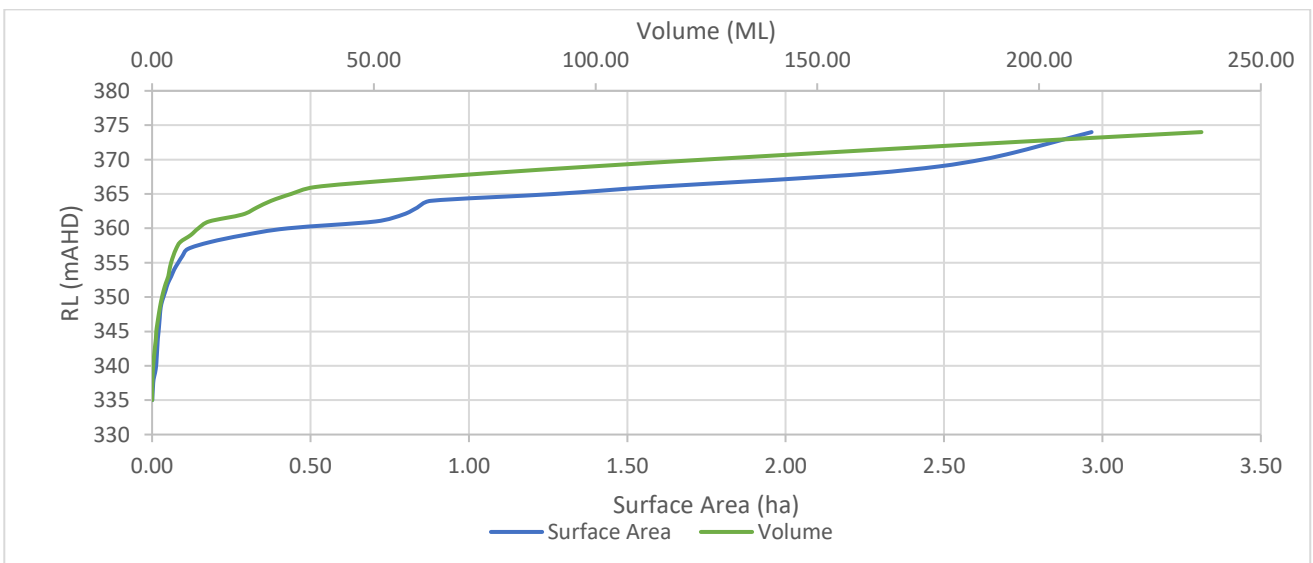
RL (mAHD)	Area (ha)	Volume (ML)
395	0	0
396	0.2	1
397	0.5	5
398	1.1	13
399	1.6	27
400	1.8	44
401	2	63
402	2.2	84
403	2.5	108
404	2.9	135
405	3.7	167
406	4.8	209
407	5.9	262
408	7.3	327
409	9.5	413



Pit 5 North

RL (mAHD)	Area (ha)	Volume (ML)
335	0.00	0.00
336	0.00	0.01
337	0.00	0.03
338	0.00	0.07
339	0.01	0.14
340	0.01	0.25
341	0.01	0.38
342	0.02	0.53
343	0.02	0.69
344	0.02	0.87
345	0.02	0.94
346	0.02	1.16
347	0.02	1.39
348	0.03	1.64
349	0.03	1.92
350	0.04	2.24
351	0.04	2.63
352	0.05	3.09
353	0.06	3.64
354	0.07	3.93
355	0.08	4.29
356	0.10	4.79
357	0.11	5.40
358	0.18	6.34

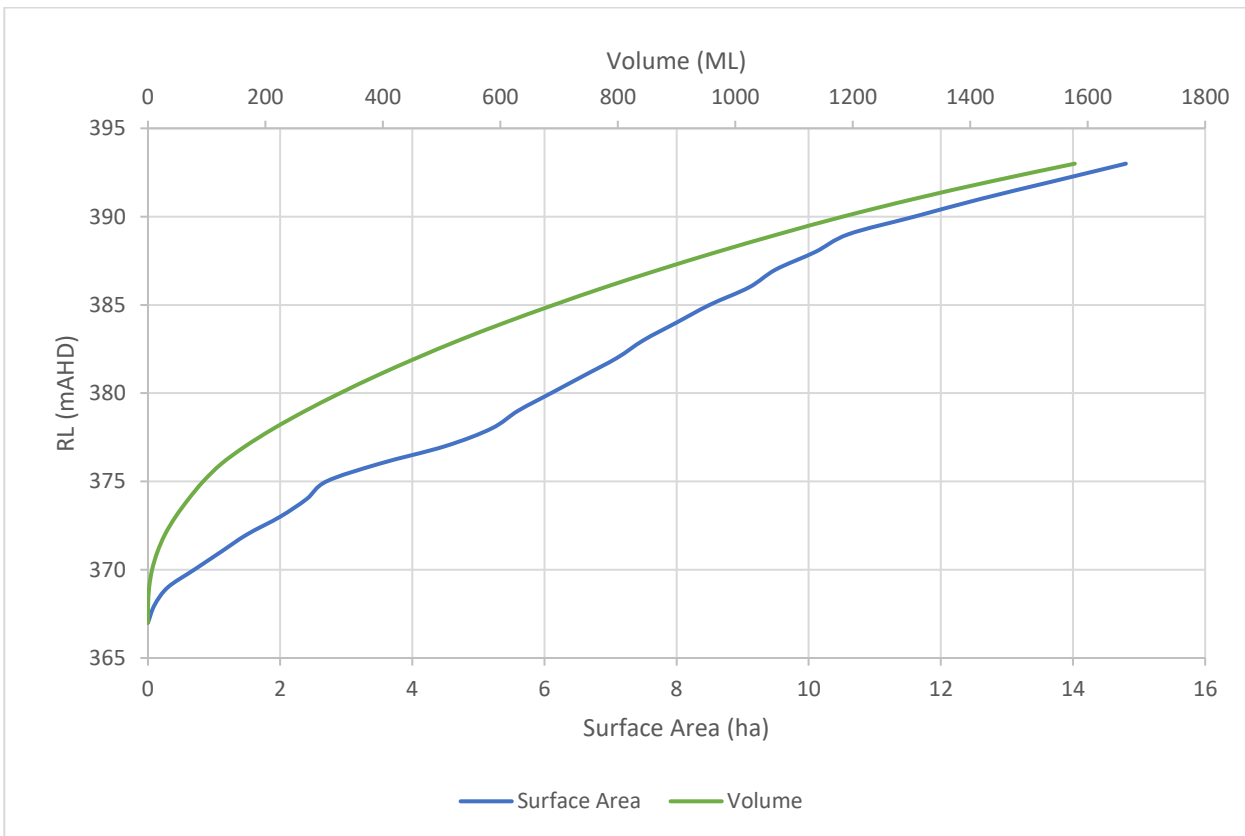
RL (mAHD)	Area (ha)	Volume (ML)
359	0.29	8.68
360	0.43	10.43
361	0.71	12.85
362	0.79	20.34
363	0.84	23.55
364	0.88	26.83
365	1.27	31.34
366	1.57	36.71
367	1.95	54.29
368	2.27	75.36
369	2.48	99.12
370	2.62	124.64
371	2.72	151.33
372	2.80	178.94
373	2.88	207.37
374	2.97	236.61
375	3.05	266.71
376	3.15	297.71
377	3.24	329.67
378	3.35	362.64
379	3.46	396.68
380	3.58	431.87
381	3.71	468.30



Pit 6

RL (mAHD)	Area (ha)	Volume (ML)
367	0	0
368	0.1	0.2
369	0.3	2
370	0.7	7
371	1.1	16
372	1.5	29
373	2	47
374	2.4	69
375	2.7	94
376	3.5	125
377	4.5	166
378	5.2	214
379	5.6	268
380	6.1	327

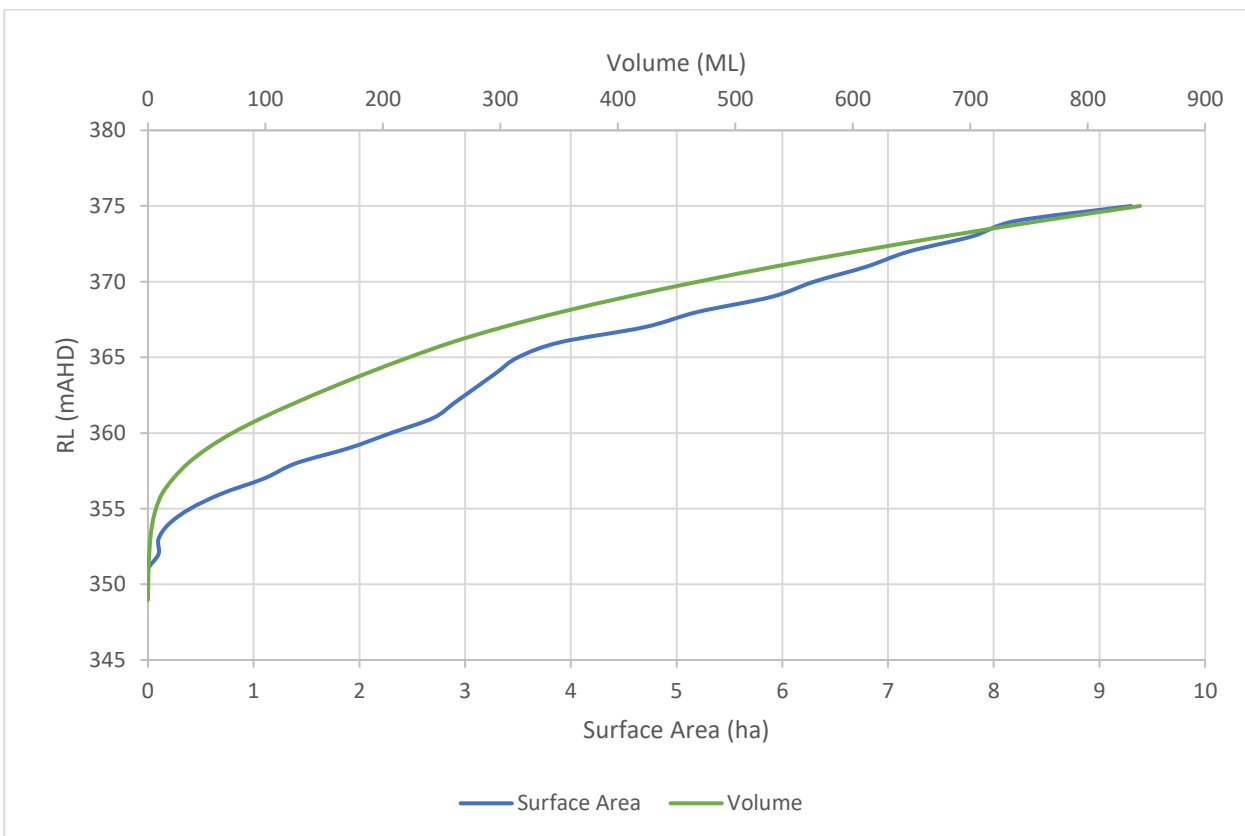
RL (mAHD)	Area (ha)	Volume (ML)
381	6.6	390
382	7.1	458
383	7.5	530
384	8	608
385	8.5	691
386	9.1	778
387	9.5	871
388	10.1	969
389	10.6	1073
390	11.6	1183
391	12.6	1304
392	13.7	1436
393	14.8	1578



Pit 7

RL (mAHD)	Area (ha)	Volume (ML)
349	0	0
350	0	0.2
351	0	0.5
352	0.1	1.1
353	0.1	2
354	0.2	3.7
355	0.4	6.8
356	0.7	12.1
357	1.1	21.6
358	1.4	34.1
359	1.9	50.9
360	2.3	71.8
361	2.7	97.1
362	2.9	125.6

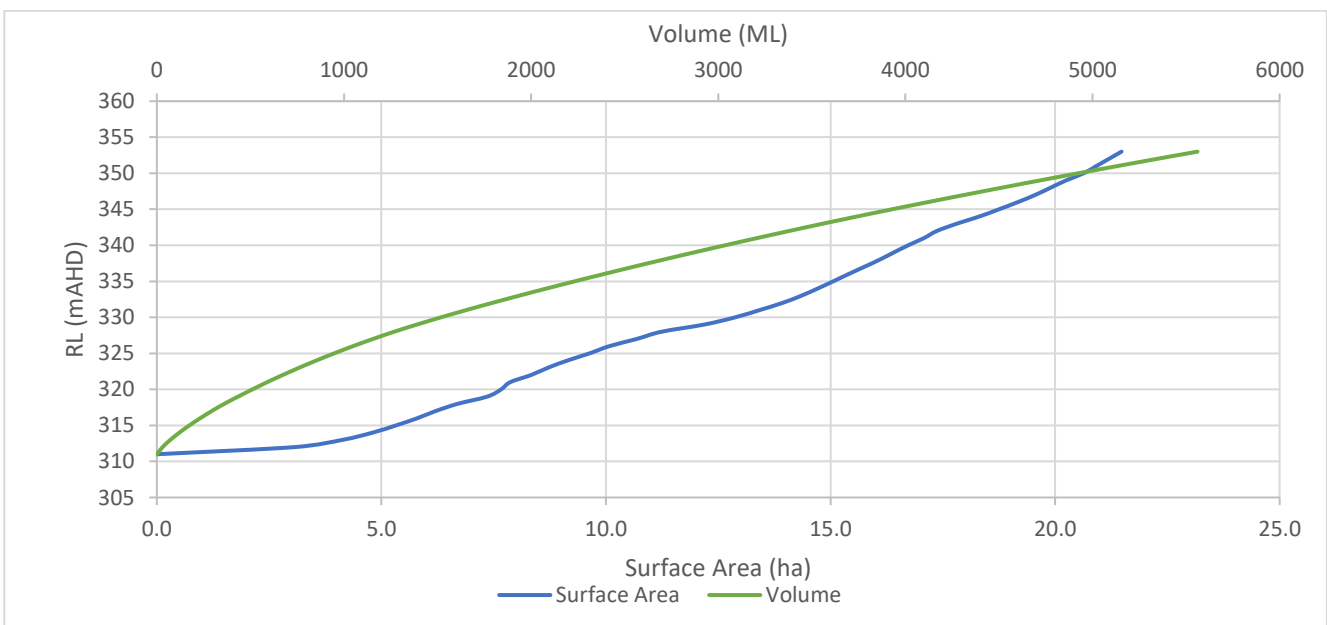
RL (mAHD)	Area (ha)	Volume (ML)
363	3.1	155.8
364	3.3	188
365	3.5	222.2
366	3.9	259
367	4.7	302.3
368	5.2	352
369	5.9	407.6
370	6.3	468.3
371	6.8	533.7
372	7.2	603.7
373	7.8	678.7
374	8.2	758.5
375	9.3	844.6



Pit 8

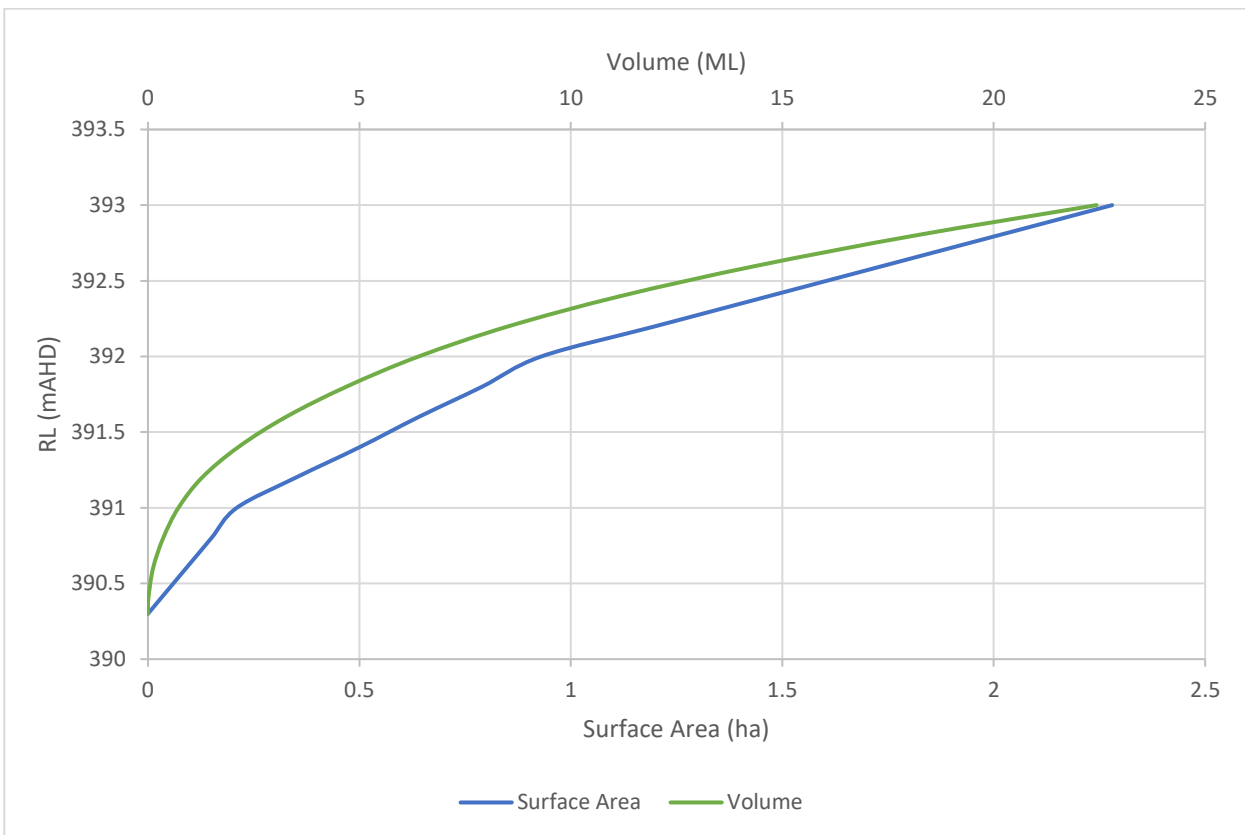
RL (mAHD)	Area (ha)	Volume (ML)
311	0.0	0
312	3.1	31
313	4.1	72
314	4.8	120
315	5.3	173
316	5.8	231
317	6.2	294
318	6.7	360
319	7.4	434
320	7.7	511
321	7.9	589
322	8.3	673
323	8.7	760
324	9.1	851
325	9.6	947
326	10.1	1048
327	10.7	1155
328	11.2	1267
329	12.2	1389
330	12.9	1518
331	13.4	1652
332	13.9	1792

RL (mAHD)	Area (ha)	Volume (ML)
333	14.3	1935
334	14.7	2082
335	15.1	2233
336	15.4	2387
337	15.7	2544
338	16.1	2705
339	16.4	2869
340	16.7	3037
341	17.1	3207
342	17.4	3381
343	17.8	3559
344	18.3	3742
345	18.8	3930
346	19.2	4122
347	19.6	4317
348	19.9	4516
349	20.2	4719
350	20.6	4925
351	20.9	5134
352	21.2	5346
353	21.5	5561



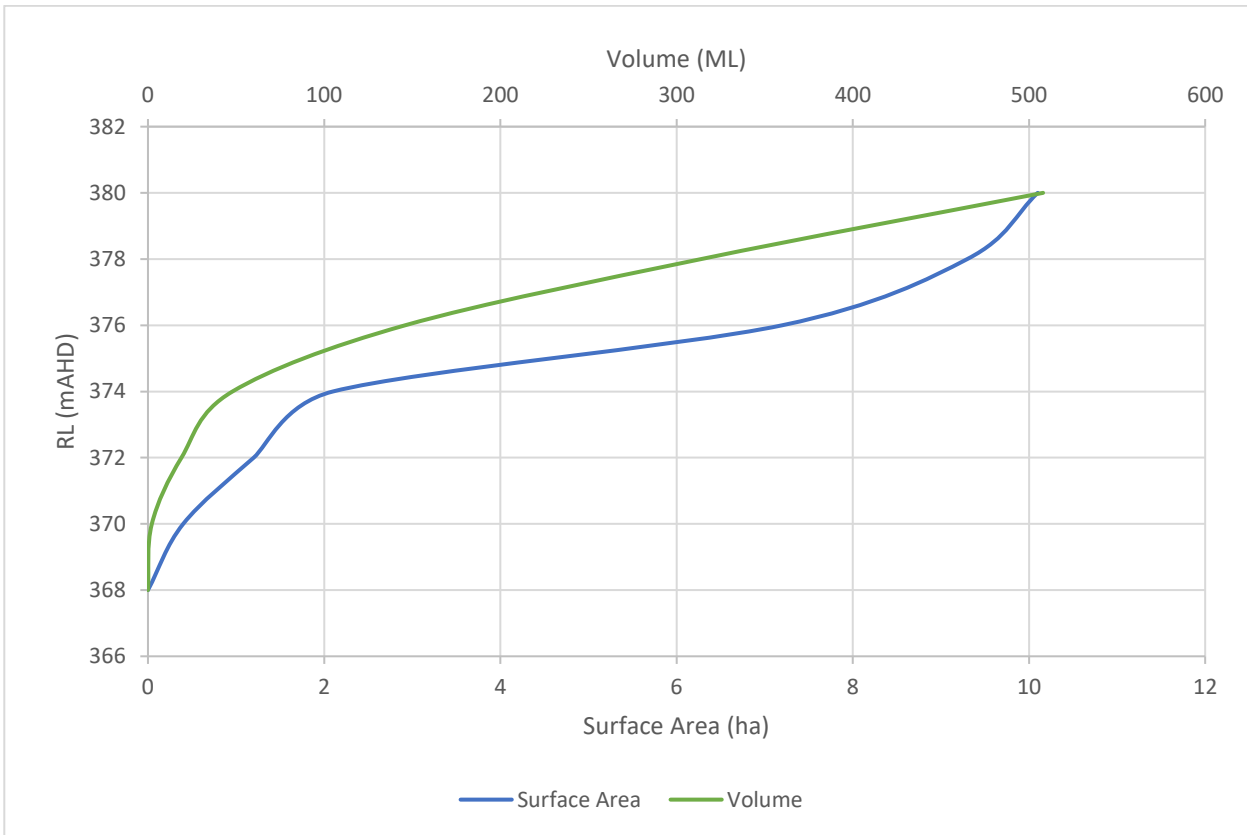
Pit 5 FP Dam

RL (mAHD)	Area (ha)	Volume (ML)
390.3	0	0
390.4	0.03	0.01
390.6	0.09	0.12
390.8	0.15	0.36
391	0.21	0.72
391.2	0.35	1.28
391.4	0.5	2.13
391.6	0.64	3.26
391.8	0.79	4.69
392	0.93	6.4
392.2	1.2	8.53
392.4	1.47	11.19
392.6	0.74	14.4
392.8	2.01	18.15
393	2.28	22.43



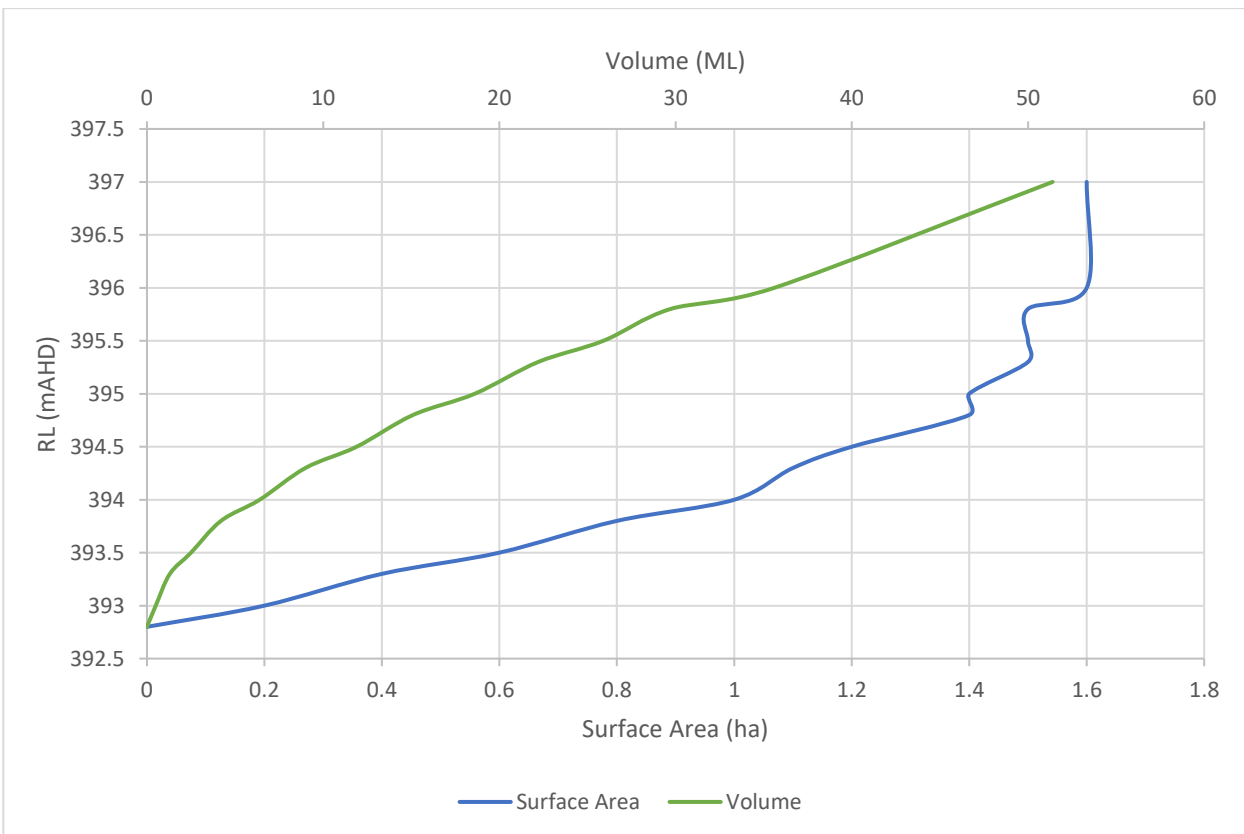
Ed's Lake

RL (mAHD)	Area (ha)	Volume (ML)
368	0	0
370	0.4	2.2
372	1.2	19
374	2.1	48
376	7.2	146
378	9.3	314
380	10.1	508



CWD

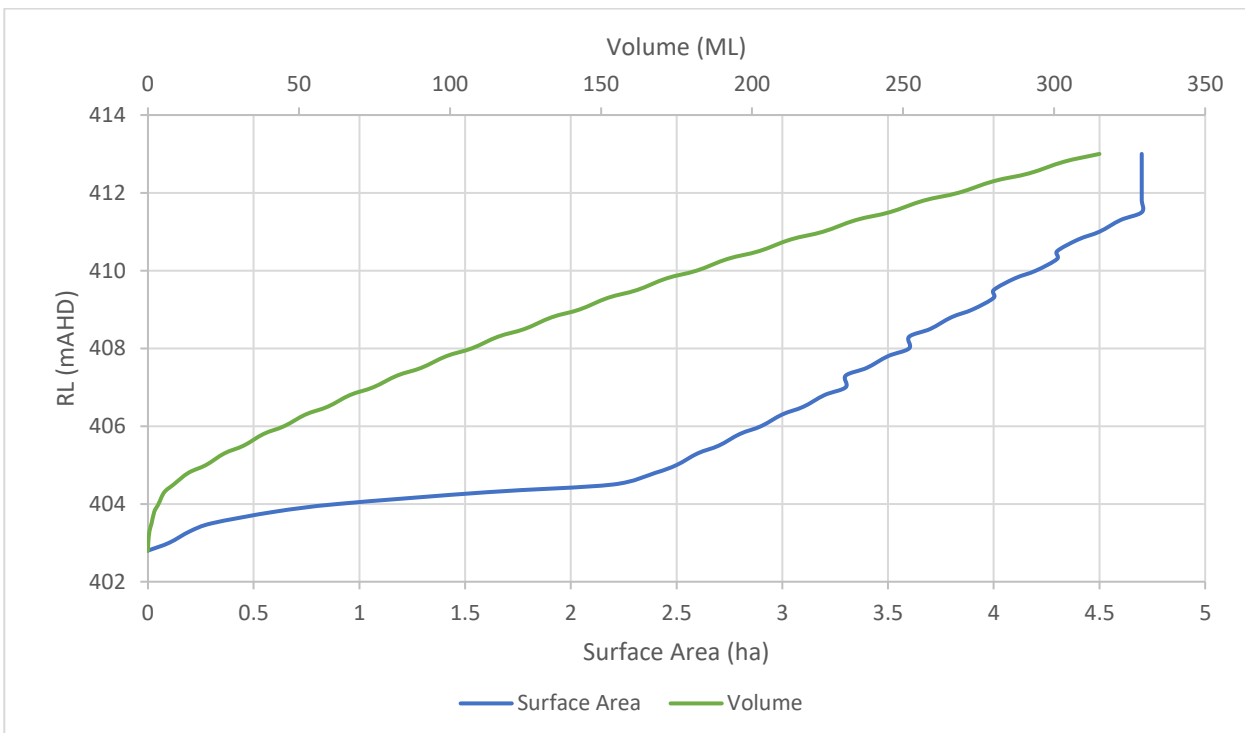
RL (mAHD)	Area (ha)	Volume (ML)
392.8	0	0
393	0.2	0.5
393.3	0.4	1.3
393.5	0.6	2.5
393.8	0.8	4.2
394	1	6.4
394.3	1.1	9
394.5	1.2	11.9
394.8	1.4	15.1
395	1.4	18.6
395.3	1.5	22.2
395.5	1.5	25.9
395.8	1.5	29.7
396	1.6	35.6
397	1.6	51.4



RWD

RL (mAHD)	Area (ha)	Volume (ML)
402.8	0	0
403	0.1	0.1
403.3	0.2	0.5
403.5	0.3	1.2
403.8	0.6	2.1
404	0.9	3.5
404.3	1.6	5.4
404.5	2.2	8.5
404.8	2.4	13.4
405	2.5	19.2
405.3	2.6	25.3
405.5	2.7	31.7
405.8	2.8	38.3
406	2.9	45.1
406.3	3	52.2
406.5	3.1	59.5
406.8	3.2	66.9
407	3.3	74.6
407.3	3.3	82.5
407.5	3.4	90.5
407.8	3.5	98.8

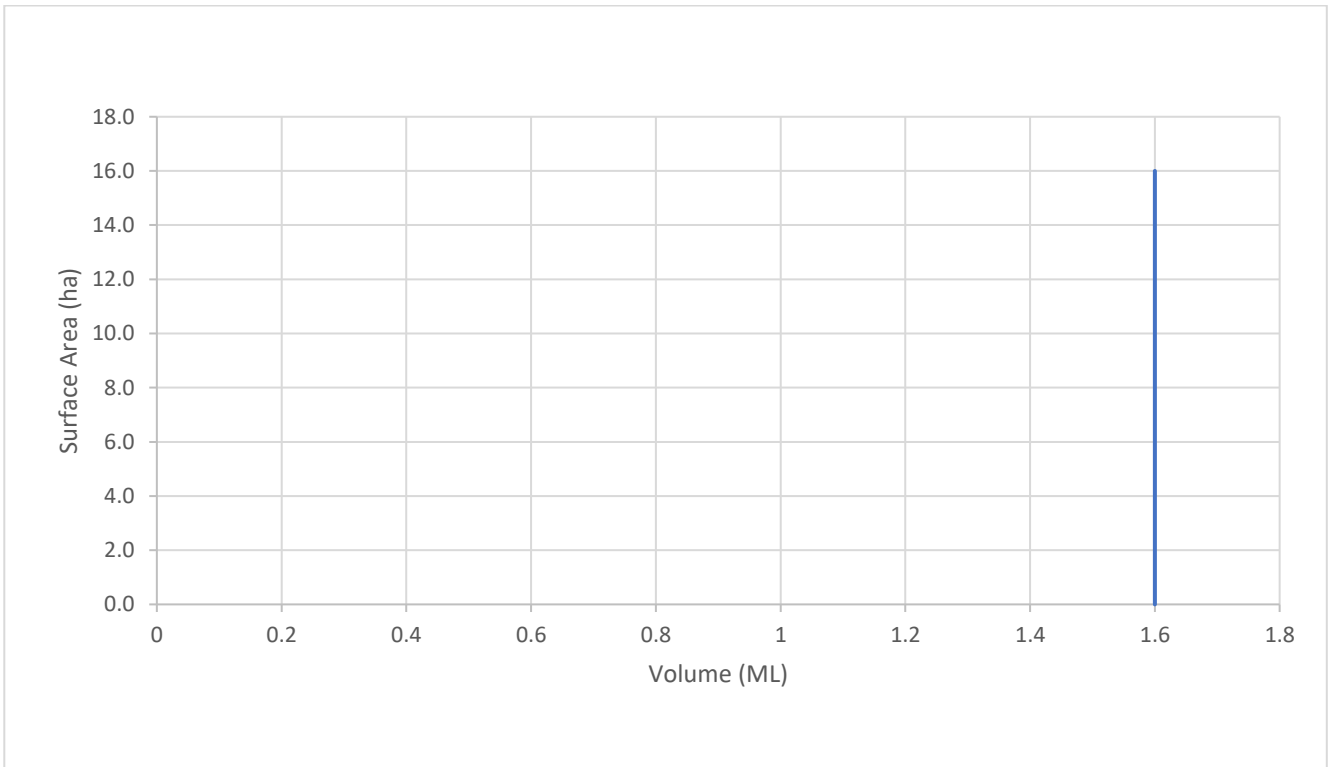
RL (mAHD)	Area (ha)	Volume (ML)
408	3.6	107.2
408.3	3.6	115.9
408.5	3.7	124.7
408.8	3.8	133.7
409	3.9	142.9
409.3	4	152.3
409.5	4	161.9
409.8	4.1	171.7
410	4.2	181.7
410.3	4.3	191.9
410.5	4.3	202.3
410.8	4.4	212.8
411	4.5	223.5
411.3	4.6	234.4
411.5	4.7	245.5
411.8	4.7	256.8
412	4.7	268.3
412.3	4.7	280
412.5	4.7	291.7
412.8	4.7	303.3
413	4.7	315



Pit 8 CWD

Area (ha)	Volume (ML)
1.6	0
1.6	16

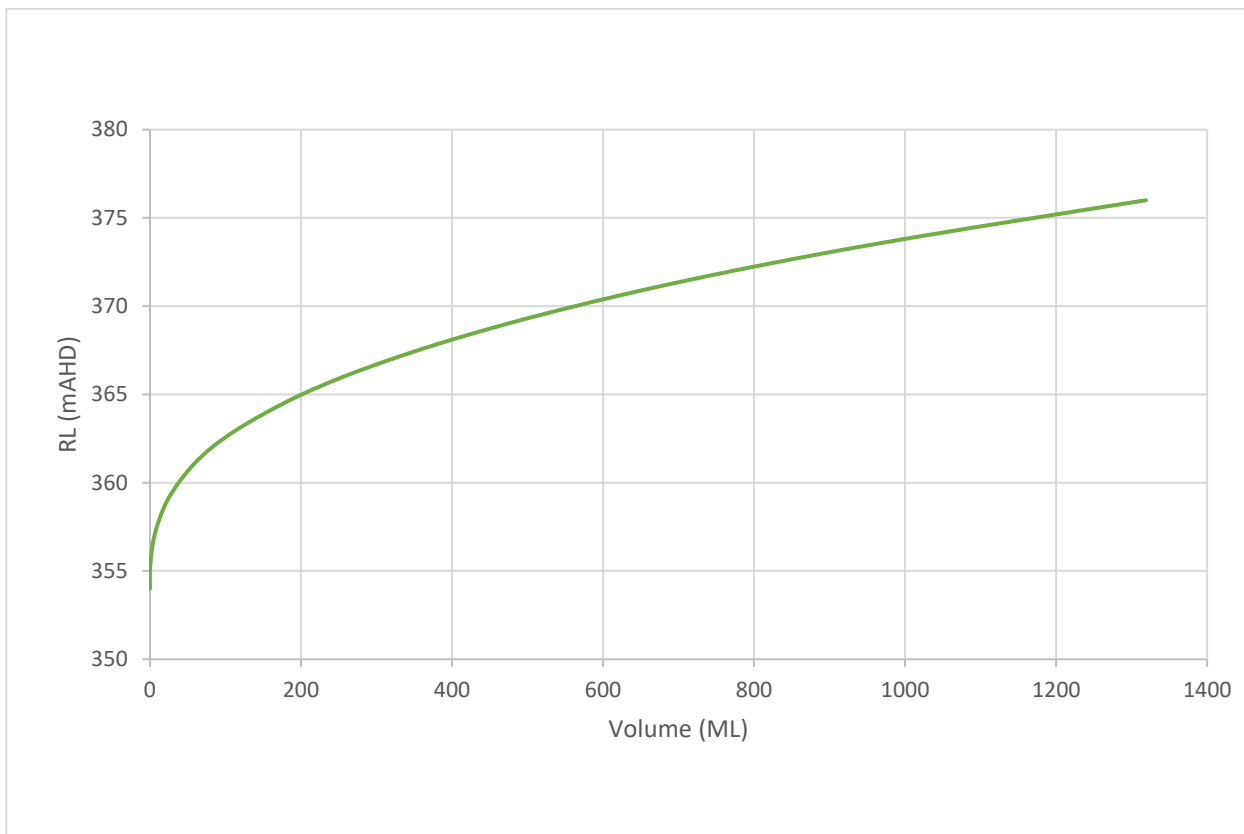
*Includes 3 combined dams with combined surface area of 1.9 m² as no detailed data is available



Pit 1 Spoil Aquifer (20% Porosity)

RL (mAHD)	Volume (ML)
354	0
355	0.01
356	2
357	6
358	13
359	23
360	38
361	57
362	82
363	115
364	155
365	201

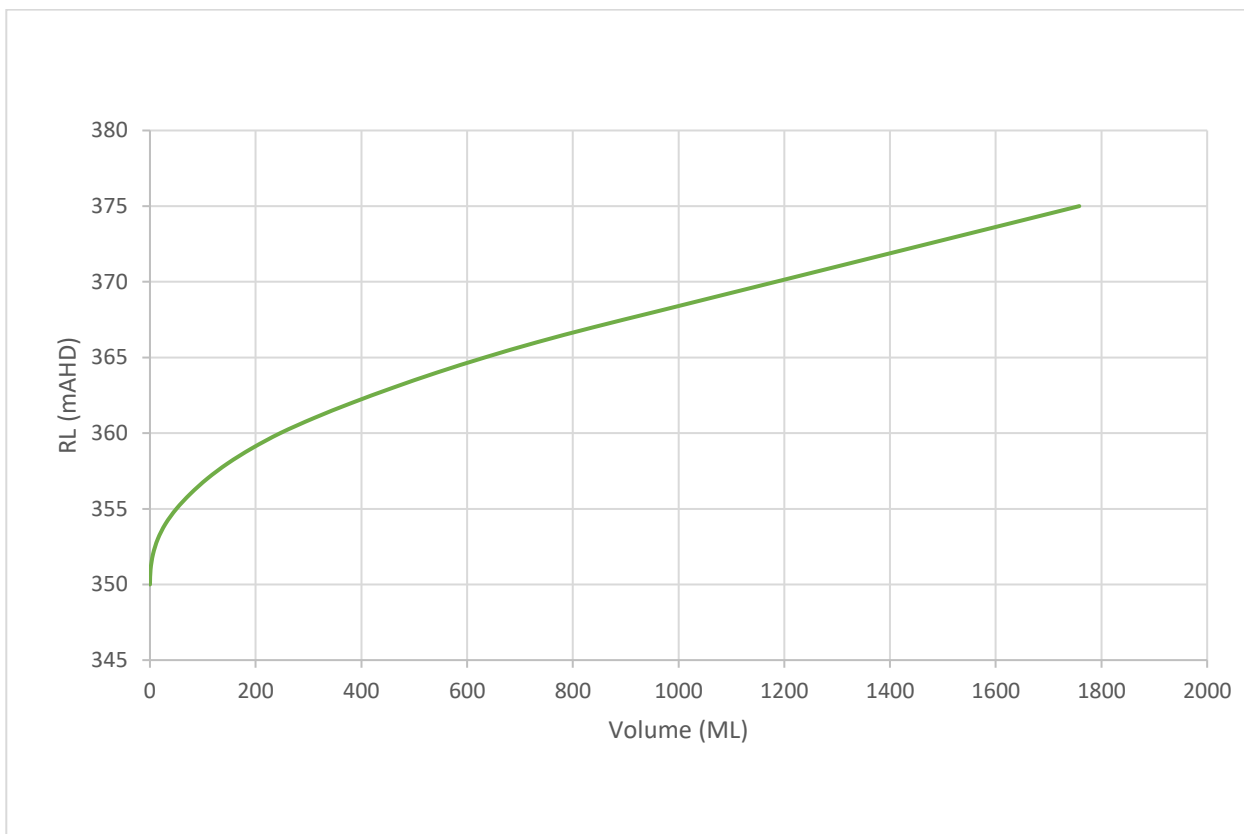
RL (mAHD)	Volume (ML)
366	256
367	320
368	392
369	473
370	563
371	662
372	772
373	893
374	1026
375	1171
376	1319



Pit 2 Spoil Aquifer (20% Porosity)

RL (mAHD)	Volume (ML)
350	0
351	1.2
352	5.8
353	14.8
354	29.3
355	50.1
356	76.8
357	108.7
358	147.1
359	193
360	246.6
361	310.5
362	381.9

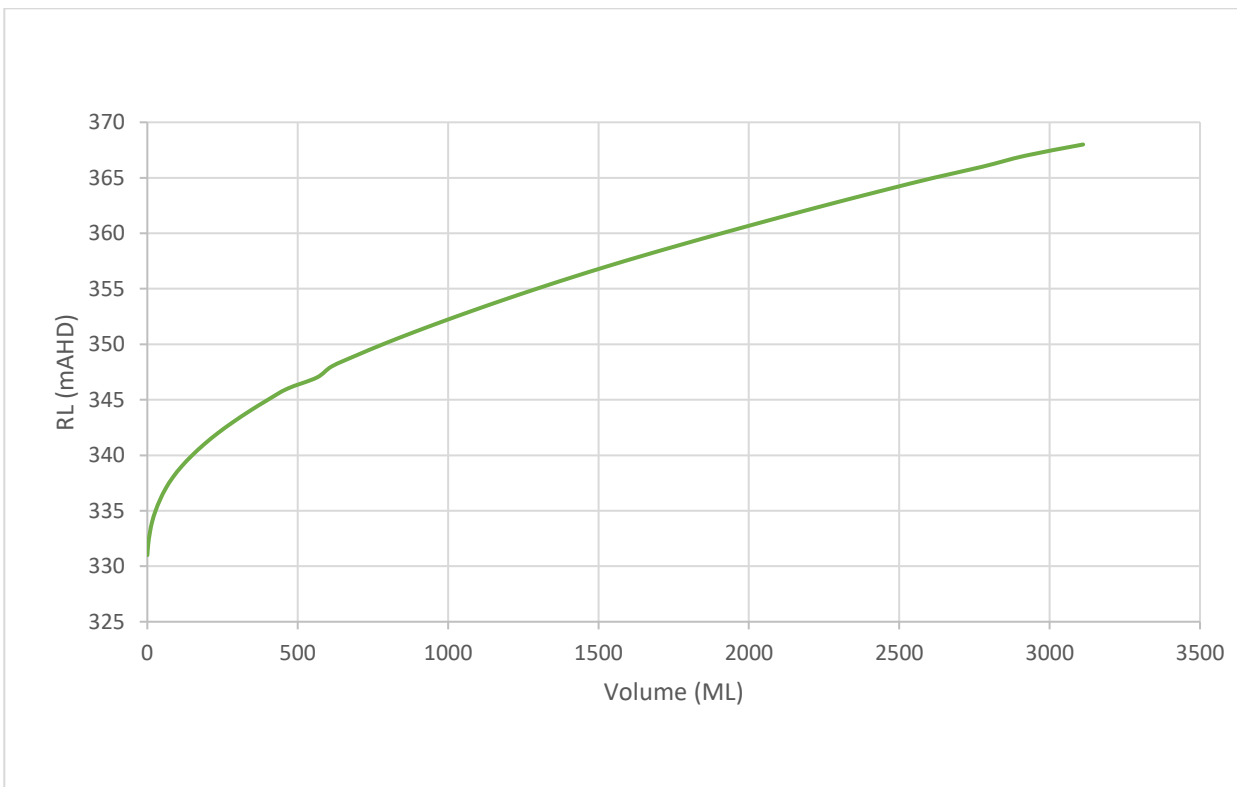
RL (mAHD)	Volume (ML)
363	459.6
364	542.7
365	633.3
366	731.6
367	839.3
368	954.1
369	1068.9
370	1183.8
371	1298.6
372	1413.5
373	1528.3
374	1643.2
375	1758.1



Pit 4 Spoil Aquifer (10% Porosity)

RL (mAHD)	Volume (ML)
331	0
332	3
333	8.3
334	15.8
335	27.4
336	42.4
337	60.9
338	84.6
339	114.1
340	149.3
341	189.4
342	234.7
343	285.6
344	341
345	401
346	465.7
347	563.3
348	612.9
349	695

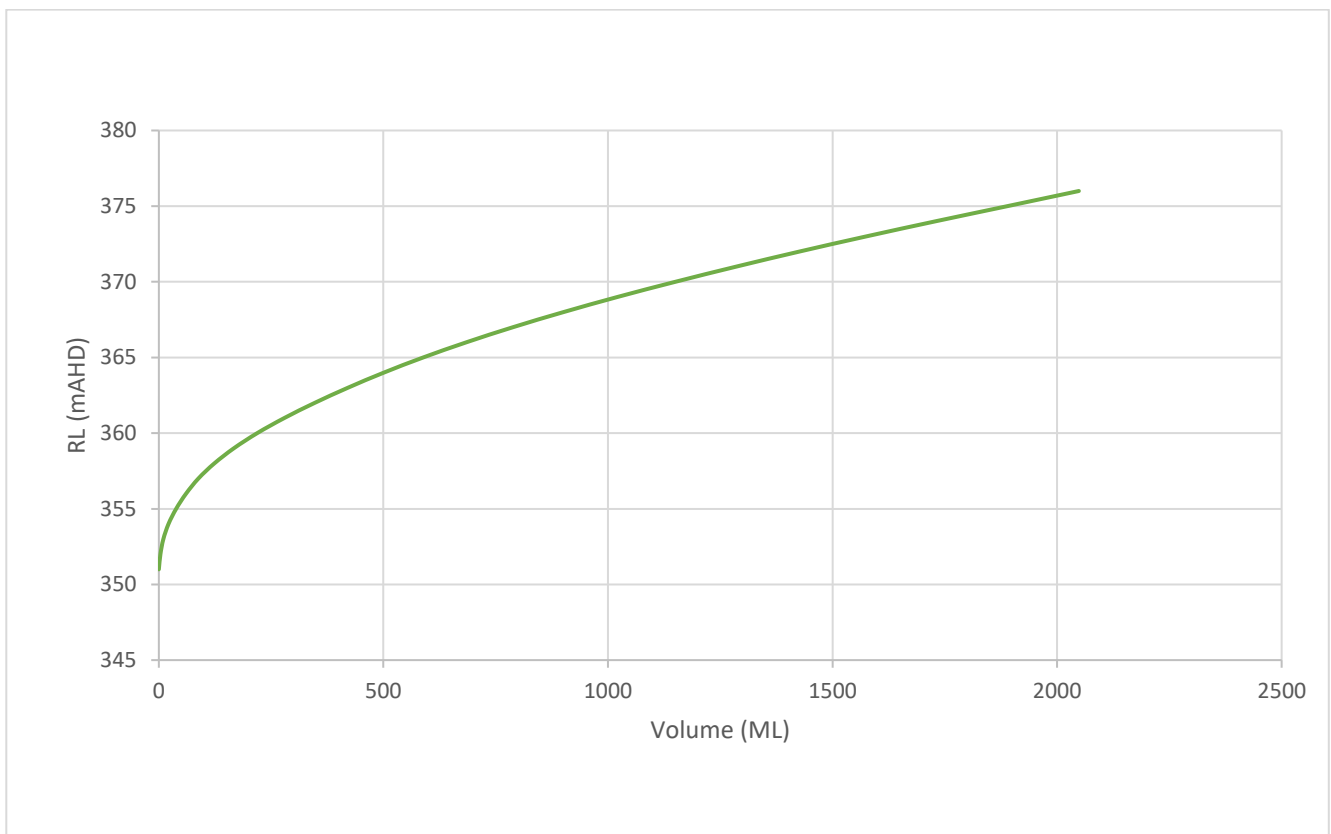
RL (mAHD)	Volume (ML)
350	783.4
351	877.6
352	976.2
353	1078.8
354	1184.7
355	1294.4
356	1408.1
357	1526.3
358	1649.9
359	1778
360	1909.5
361	2044
362	2181.4
363	2321.7
364	2466.1
365	2614.9
366	276.8
367	2920.7
368	3111.3



Pit 5 Spoil Aquifer (10% Porosity)

RL (mAHD)	Volume (ML)
351	0
352	3.5
353	10
354	21.5
355	38.5
356	60.5
357	88
358	123.5
359	167
360	219
361	279.5
362	347
363	421

RL (mAHD)	Volume (ML)
364	501
365	588.5
366	684.5
367	788.5
368	901
369	1021.5
370	1150
371	1285
372	1426.5
373	1575
374	1729.5
375	1889.5
376	2048.5



ASIA PACIFIC OFFICES

BRISBANE

Level 2, 15 Astor Terrace
Spring Hill QLD 4000
Australia
T: +61 7 3858 4800
F: +61 7 3858 4801

CANBERRA

GPO 410
Canberra ACT 2600
Australia
T: +61 2 6287 0800
F: +61 2 9427 8200

DARWIN

Unit 5, 21 Parap Road
Parap NT 0820
Australia
T: +61 8 8998 0100
F: +61 8 9370 0101

GOLD COAST

Level 2, 194 Varsity Parade
Varsity Lakes QLD 4227
Australia
M: +61 438 763 516

MACKAY

21 River Street
Mackay QLD 4740
Australia
T: +61 7 3181 3300

MELBOURNE

Level 11, 176 Wellington
Parade
East Melbourne VIC 3002
Australia
T: +61 3 9249 9400
F: +61 3 9249 9499

NEWCASTLE

10 Kings Road
New Lambton NSW 2305
Australia
T: +61 2 4037 3200
F: +61 2 4037 3201

NEWCASTLE CBD

Suite 2B, 125 Bull Street
Newcastle West NSW 2302
Australia
T: +61 2 4940 0442

PERTH

Ground Floor, 503 Murray
Street
Perth WA 6000
Australia
T: +61 8 9422 5900
F: +61 8 9422 5901

SYDNEY

Tenancy 202 Submarine
School
Sub Base Platypus
120 High Street
North Sydney NSW 2060
Australia
T: +61 2 9427 8100
F: +61 2 9427 8200

TOWNSVILLE

12 Cannan Street
South Townsville QLD 4810
Australia
T: +61 7 4722 8000
F: +61 7 4722 8001

WOLLONGONG

Level 1, The Central Building
UoW Innovation Campus
North Wollongong NSW 2500
Australia
T: +61 2 4249 1000

AUCKLAND

Level 4, 12 O'Connell Street
Auckland 1010
New Zealand
T: 0800 757 695

NELSON

6/A Cambridge Street
Richmond, Nelson 7020
New Zealand
T: +64 274 898 628