

NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

AUTHOR: MP
 DRAWN: MP
 DATE: 29/09/2024

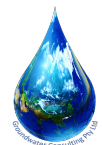
Report NO: GWC-020-2022
 REVISION: H
 JOB No: 020-2022

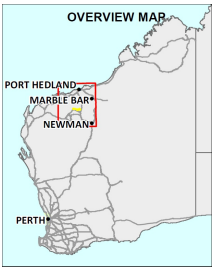
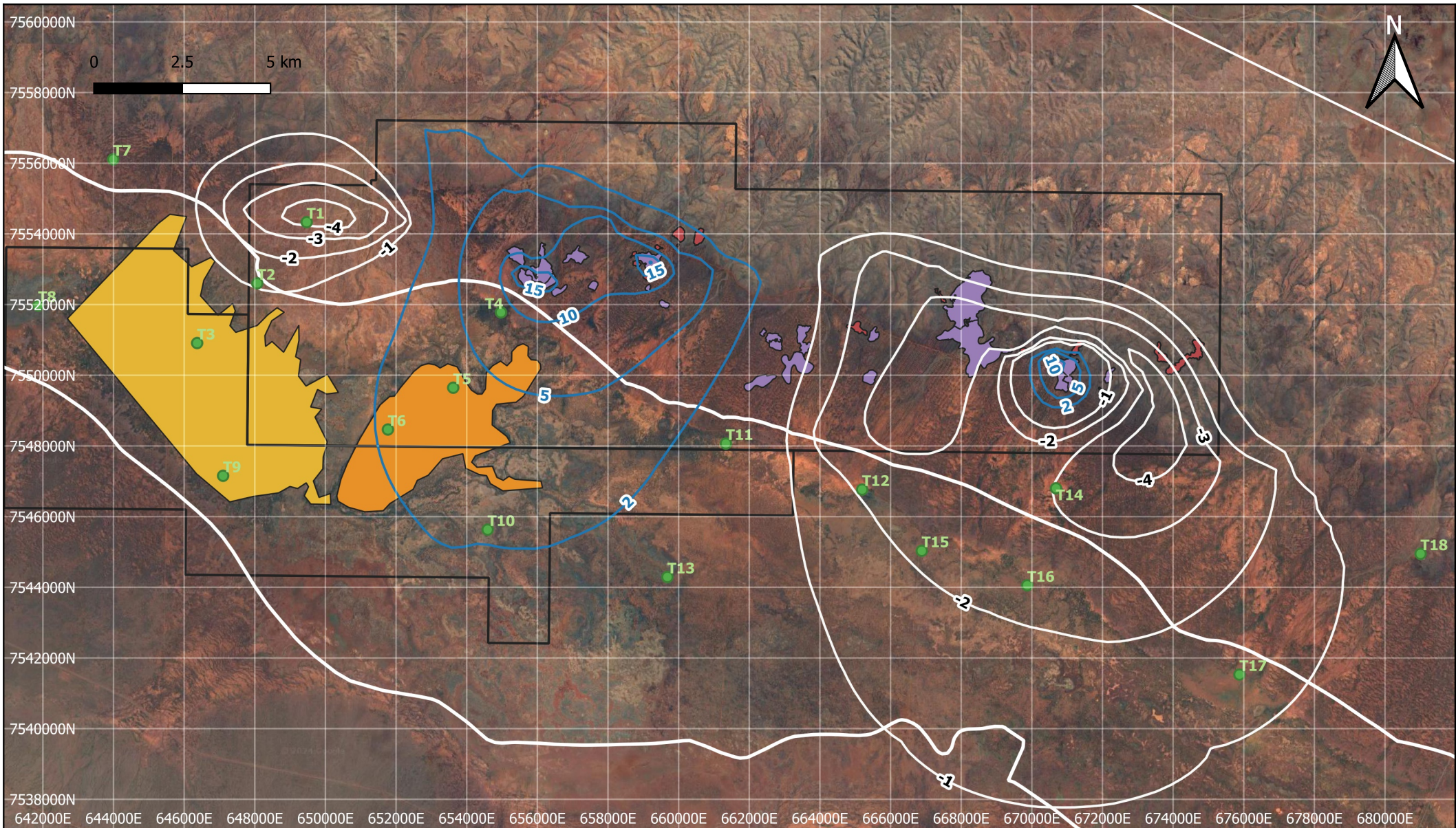
Legend

- Pits Above Water Table
- Pits Below Water Table
- MEA Boundary
- Gnalka Gnoona Claypan
- Koodjeepindarranna Claypan
- Tenement Boundary
- Nominal Monitoring Enviro Point
- Predicted Drawdown (m)
- Predicted Mounding (m)

Figure A19

Predicted Drawdown in January 2032





NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

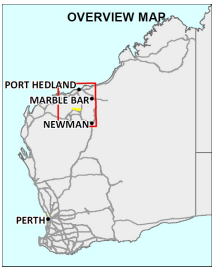
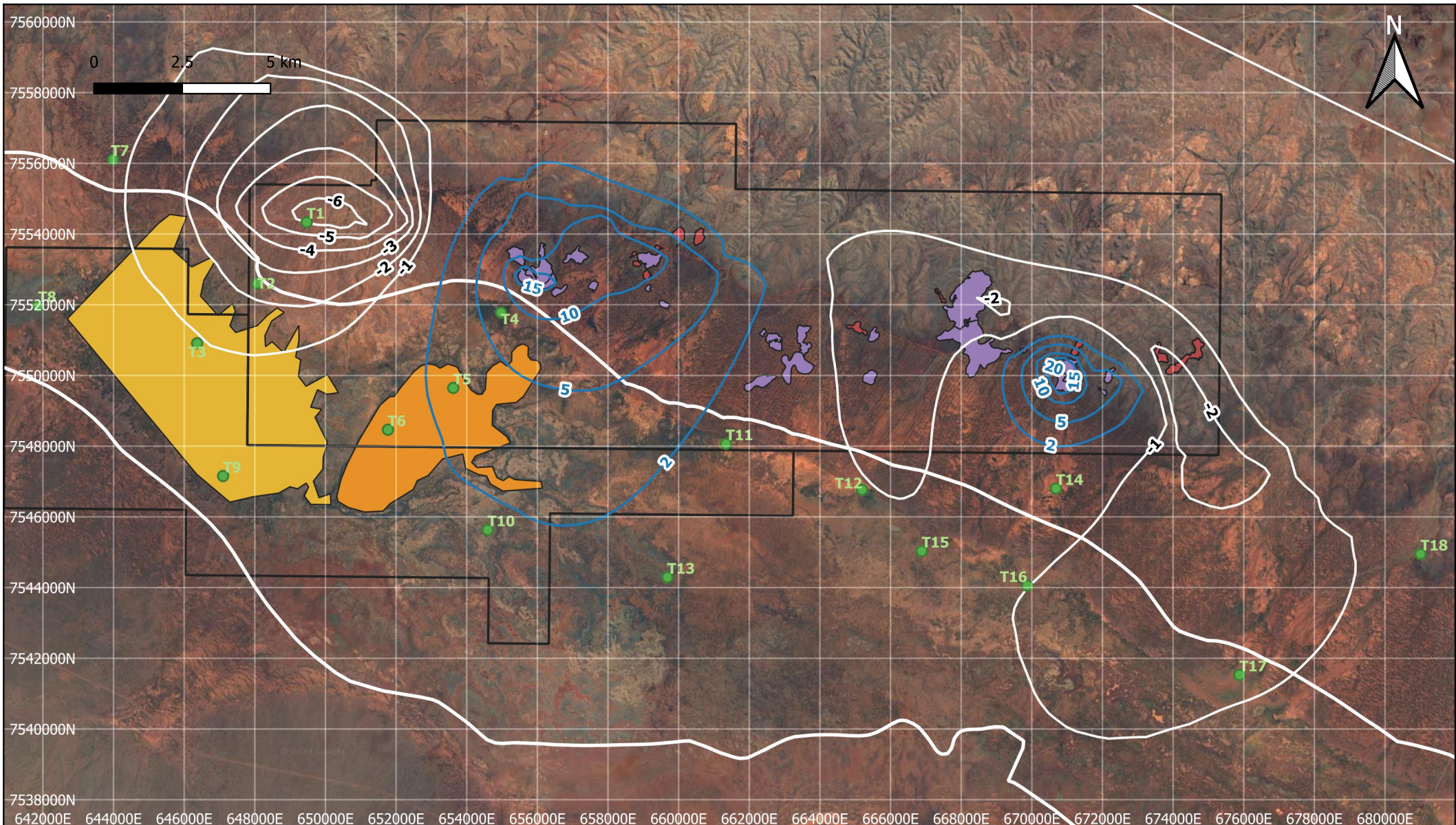
AUTHOR: MP
 DRAWN: MP
 DATE: 29/09/2024

Report NO: GWC-020-2022
 REVISION: H
 JOB No: 020-2022

Legend	
■	Pits Above Water Table
■	Pits Below Water Table
	MEA Boundary
■	Gnalka Gnoona Claypan
■	Koodjeepindarranna Claypan
	Tenement Boundary
●	Nominal Monitoring Enviro Point
—	Predicted Drawdown (m)
—	Predicted Mounding (m)

Figure A20

**Predicted Drawdown
in October 2032**



NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

AUTHOR: MP
 DRAWN: MP
 DATE: 29/09/2024

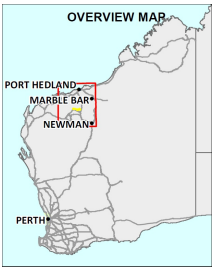
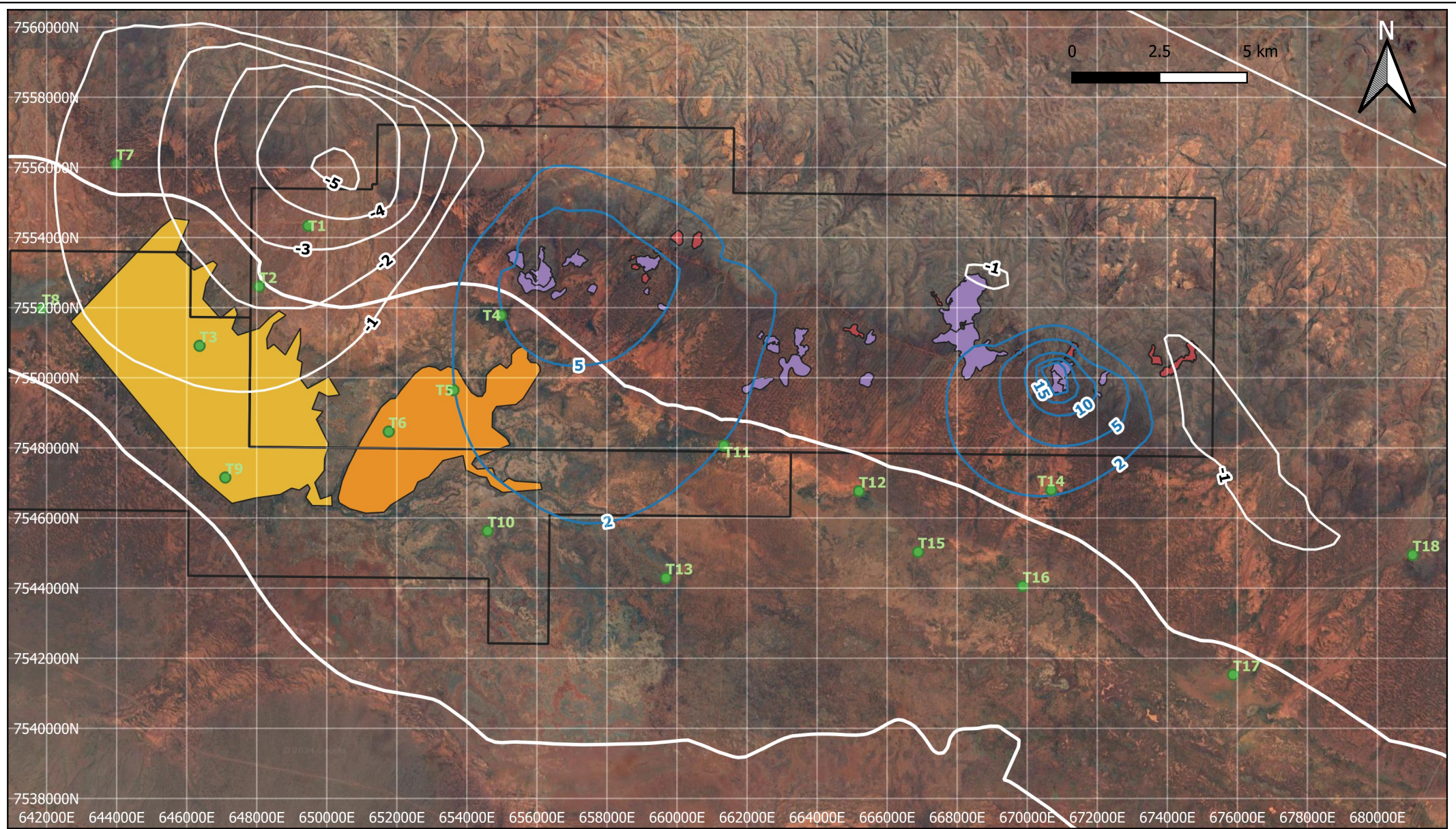
Report NO: GWC-020-2022
 REVISION: H
 JOB No: 020-2022

Legend

Pits Above Water Table	Koodjeepindarranna Claypan
Pits Below Water Table	Tenement Boundary
MEA Boundary	Nominal Monitoring Enviro Point
Gnalka Gnoona Claypan	Predicted Drawdown (m)
	Predicted Mounding (m)

Figure A21

Predicted Drawdown in July 2023



NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

AUTHOR: MP
 DRAWN: MP
 DATE: 29/09/2024

Report NO: GWC-020-2022
 REVISION: H
 JOB No: 020-2022

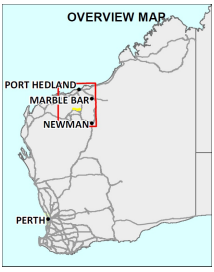
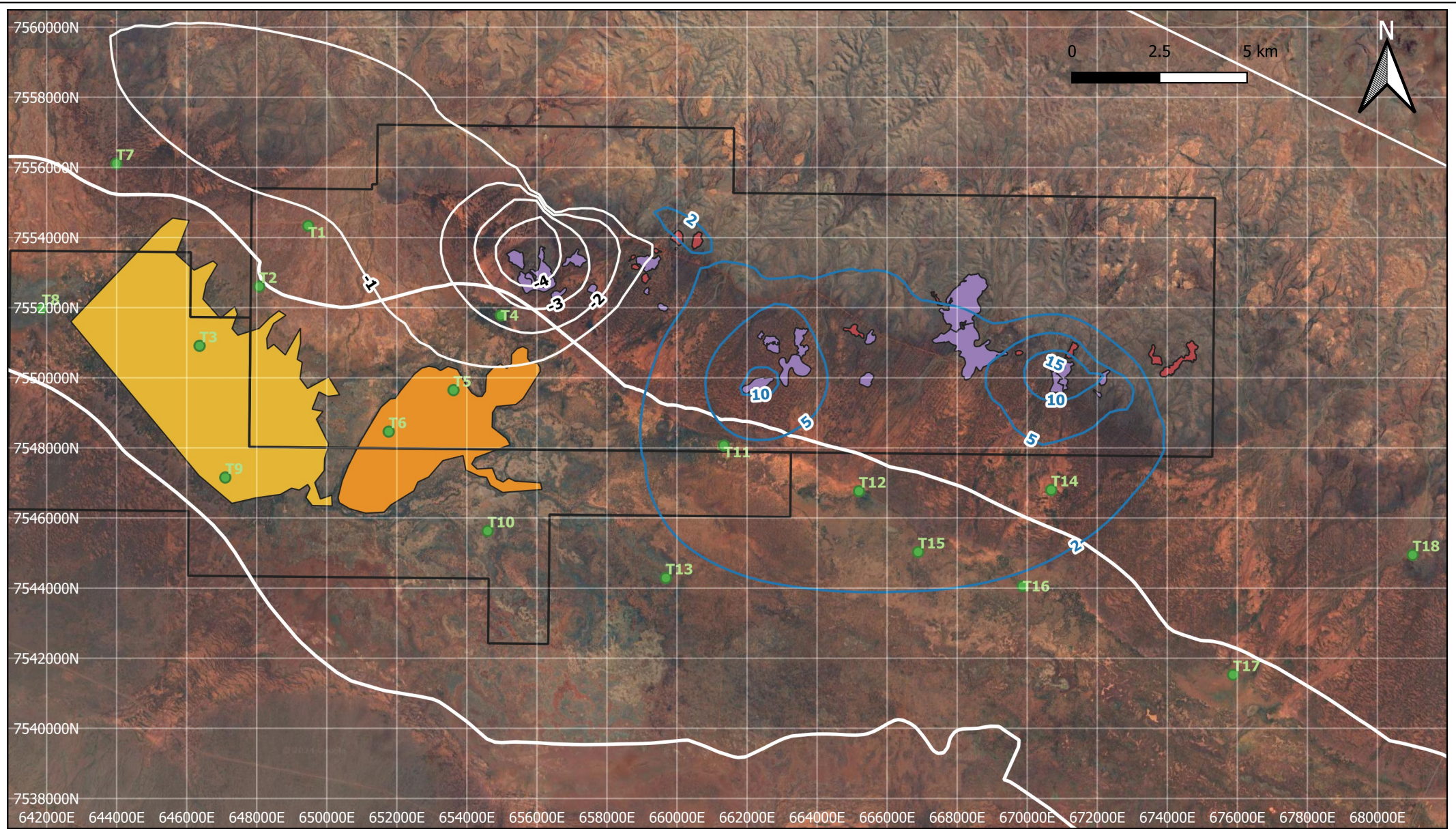
Legend

- Pits Above Water Table
- Pits Below Water Table
- MEA Boundary
- Gnalka Gnoona Claypan
- Koodjeepindarranna Claypan
- Tenement Boundary
- Nominal Monitoring Enviro Point
- Predicted Drawdown (m)
- Predicted Mounding (m)

Figure A22

Predicted Drawdown in July 2024





NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

AUTHOR: MP
 DRAWN: MP
 DATE: 29/09/2024

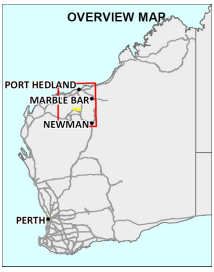
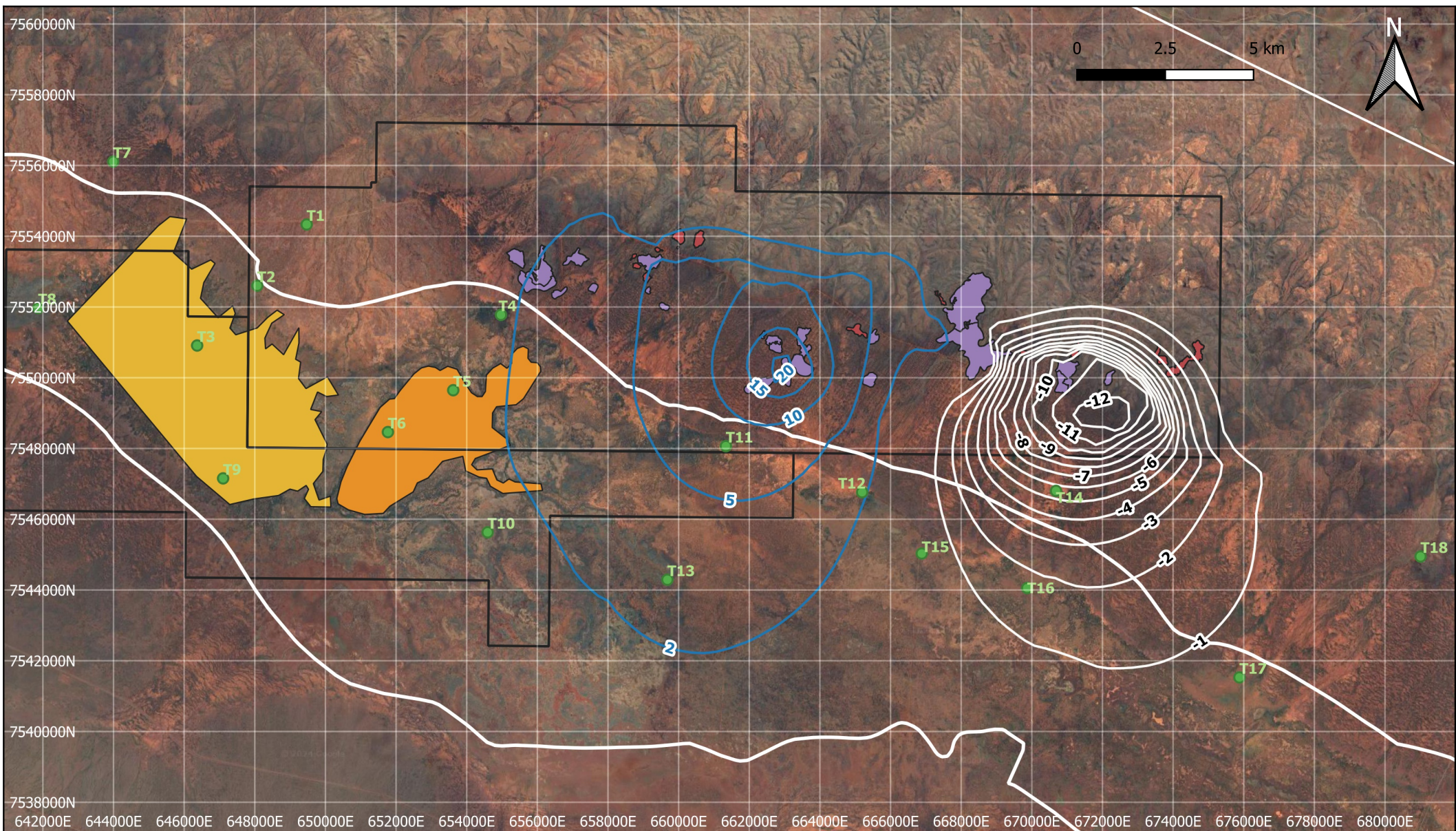
Report NO: GWC-020-2022
 REVISION: H
 JOB No: 020-2022

Legend

- Pits Above Water Table
- Pits Below Water Table
- MEA Boundary
- Gnalka Gnoona Claypan
- Koodjeepindarranna Claypan
- Tenement Boundary
- Nominal Monitoring Enviro Point
- Predicted Drawdown (m)
- Predicted Mounding (m)

Figure A23

Predicted Drawdown in July 2025



NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

AUTHOR: MP
 DRAWN: MP
 DATE: 29/09/2024

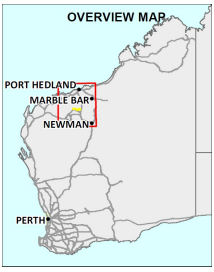
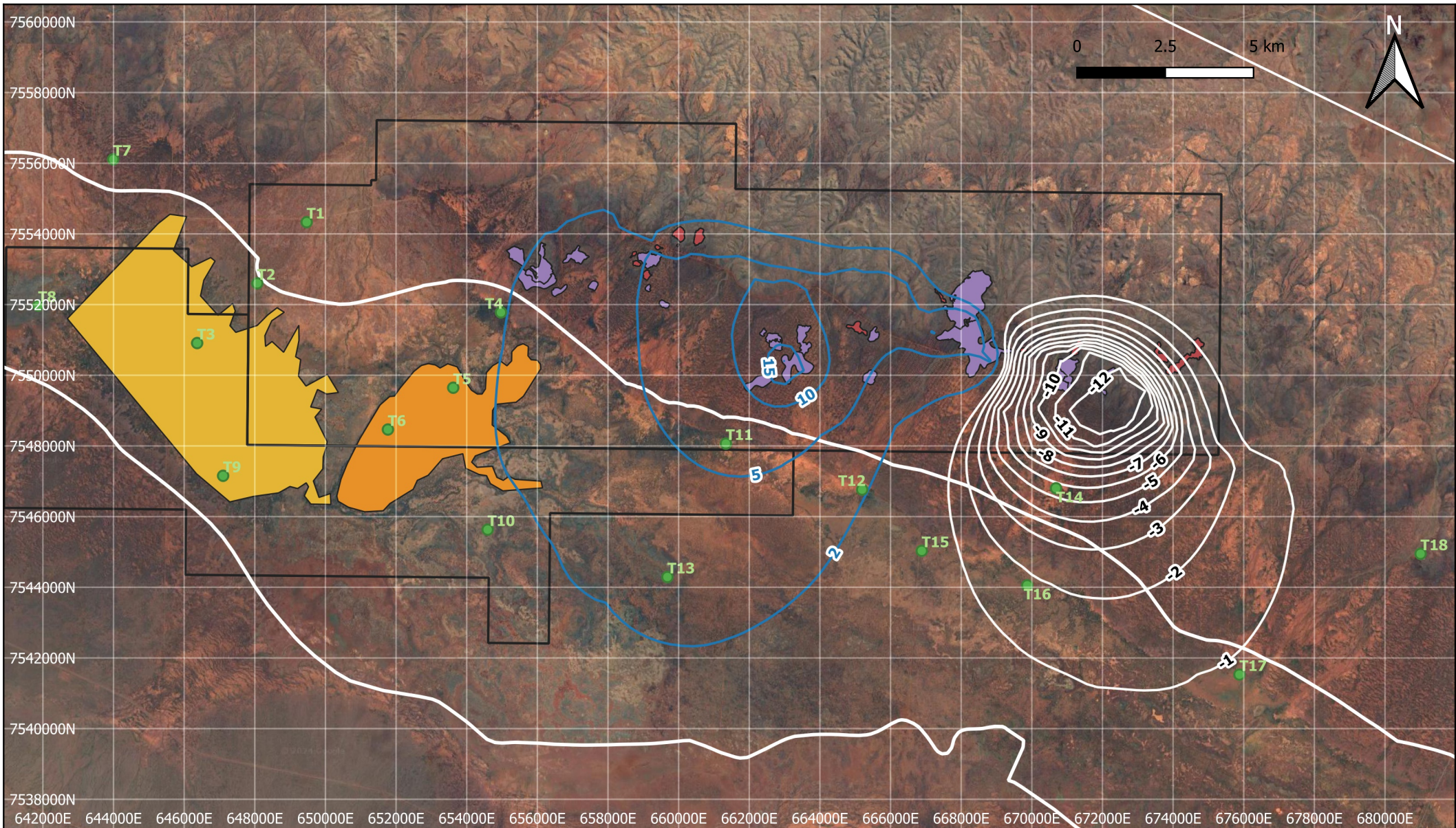
Report NO: GWC-020-2022
 REVISION: H
 JOB No: 020-2022

Legend

Pits Above Water Table	Koodjeepindarranna Claypan
Pits Below Water Table	Tenement Boundary
MEA Boundary	Nominal Monitoring Enviro Point
Gnalka Gnoona Claypan	Predicted Drawdown (m)
	Predicted Mounding (m)

Figure A24

Predicted Drawdown in July 2038



NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

AUTHOR: MP
 DRAWN: MP
 DATE: 29/09/2024

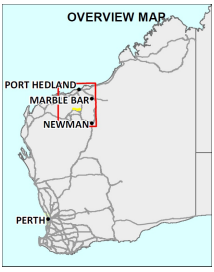
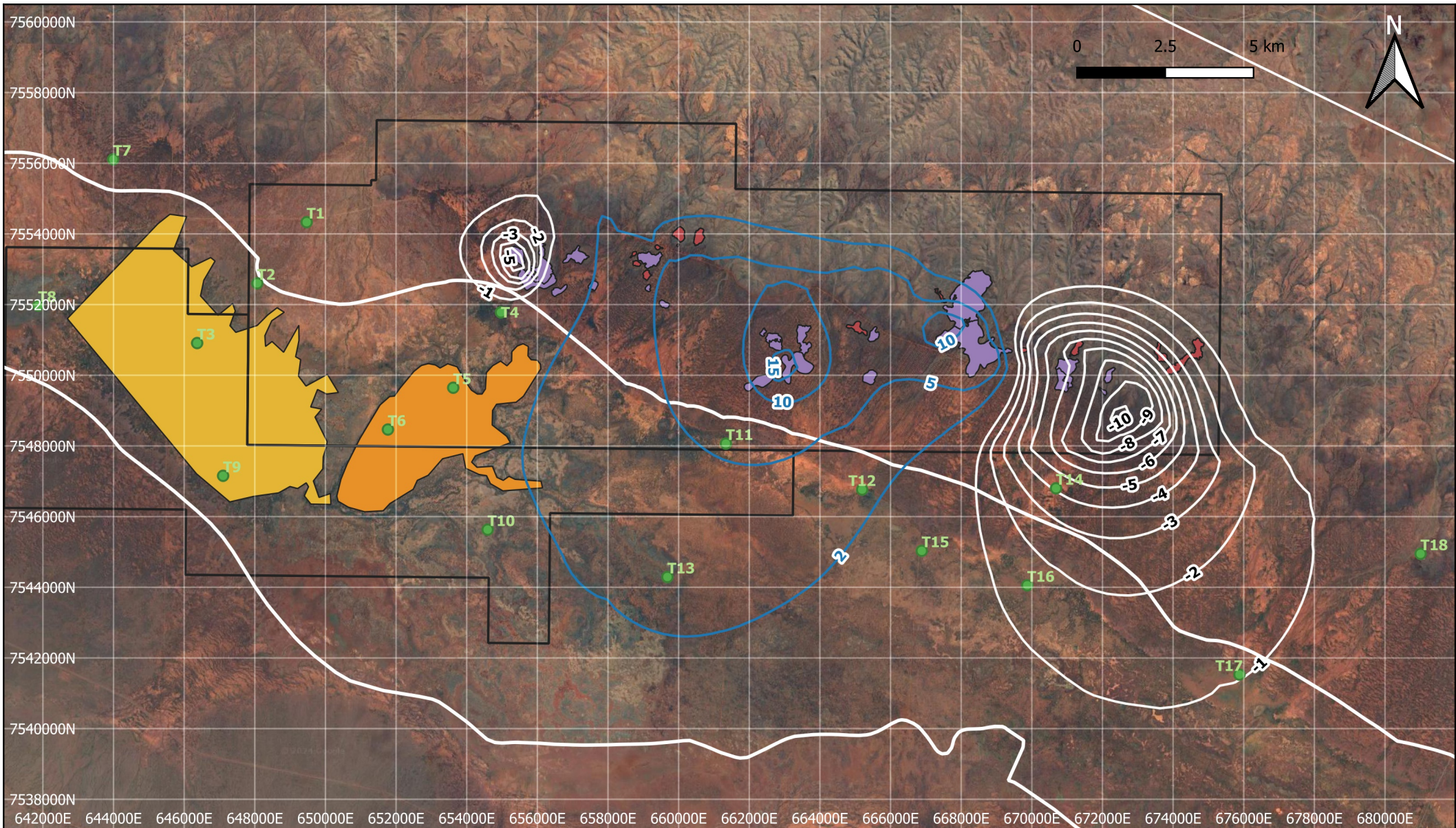
Report NO: GWC-020-2022
 REVISION: H
 JOB No: 020-2022

Legend

Pits Above Water Table	Koodjeepindarranna Claypan
Pits Below Water Table	Tenement Boundary
MEA Boundary	Nominal Monitoring Enviro Point
Gnalka Gnoona Claypan	Predicted Drawdown (m)
	Predicted Mounding (m)

Figure A25

Predicted Drawdown in December 2038



NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

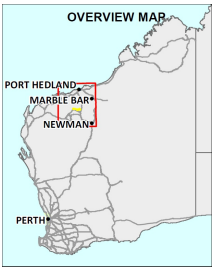
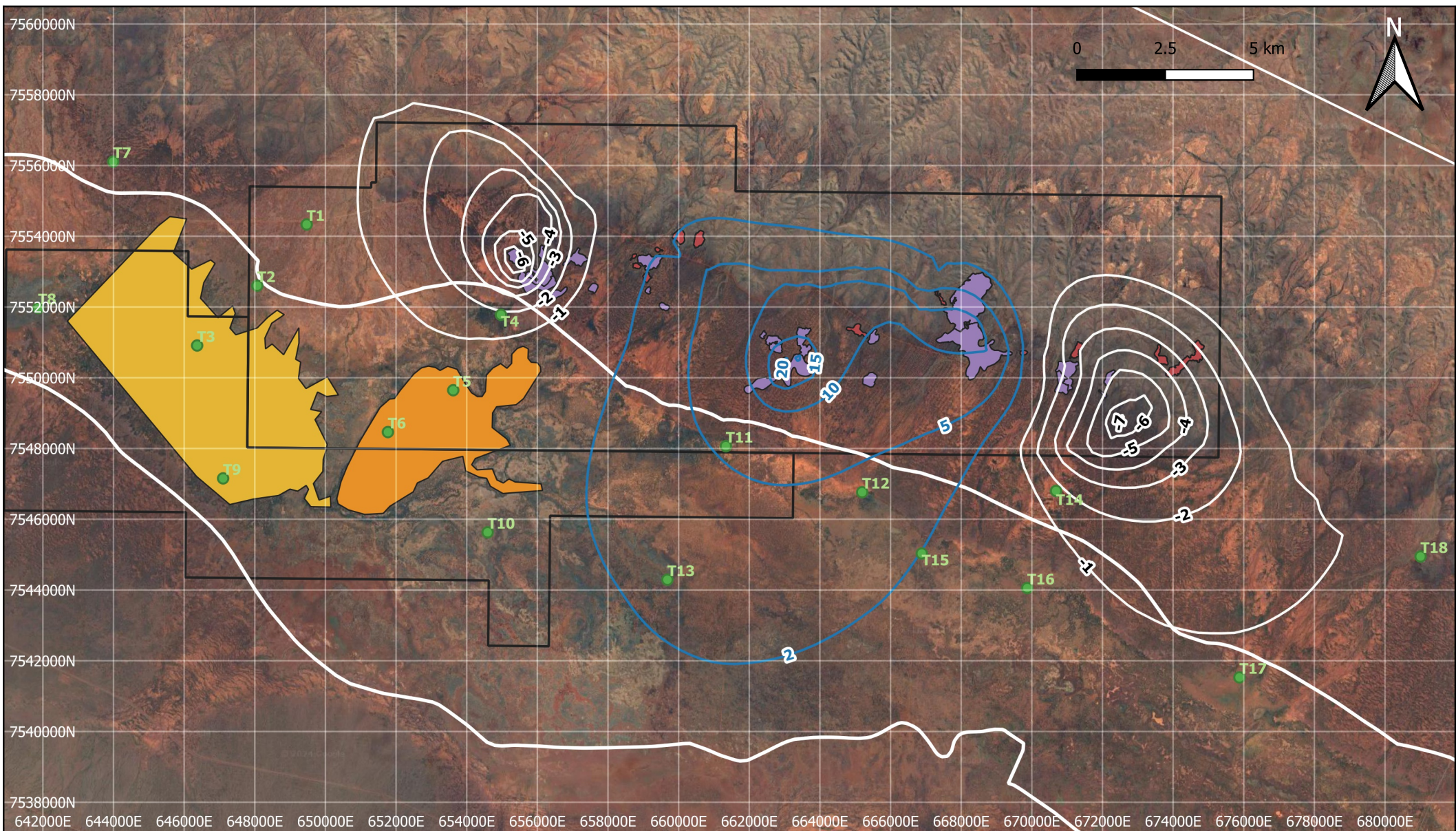
AUTHOR: MP
 DRAWN: MP
 DATE: 29/09/2024

Report NO: GWC-020-2022
 REVISION: H
 JOB No: 020-2022

Legend	
	Pits Above Water Table
	Pits Below Water Table
	MEA Boundary
	Gnalka Gnoona Claypan
	Koodjeepindarranna Claypan
	Tenement Boundary
	Nominal Monitoring Enviro Point
	Predicted Drawdown (m)
	Predicted Mounding (m)

Figure A26

Predicted Drawdown in July 2039

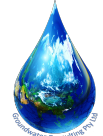


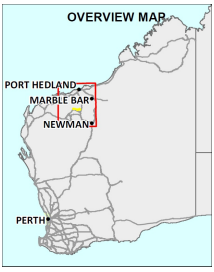
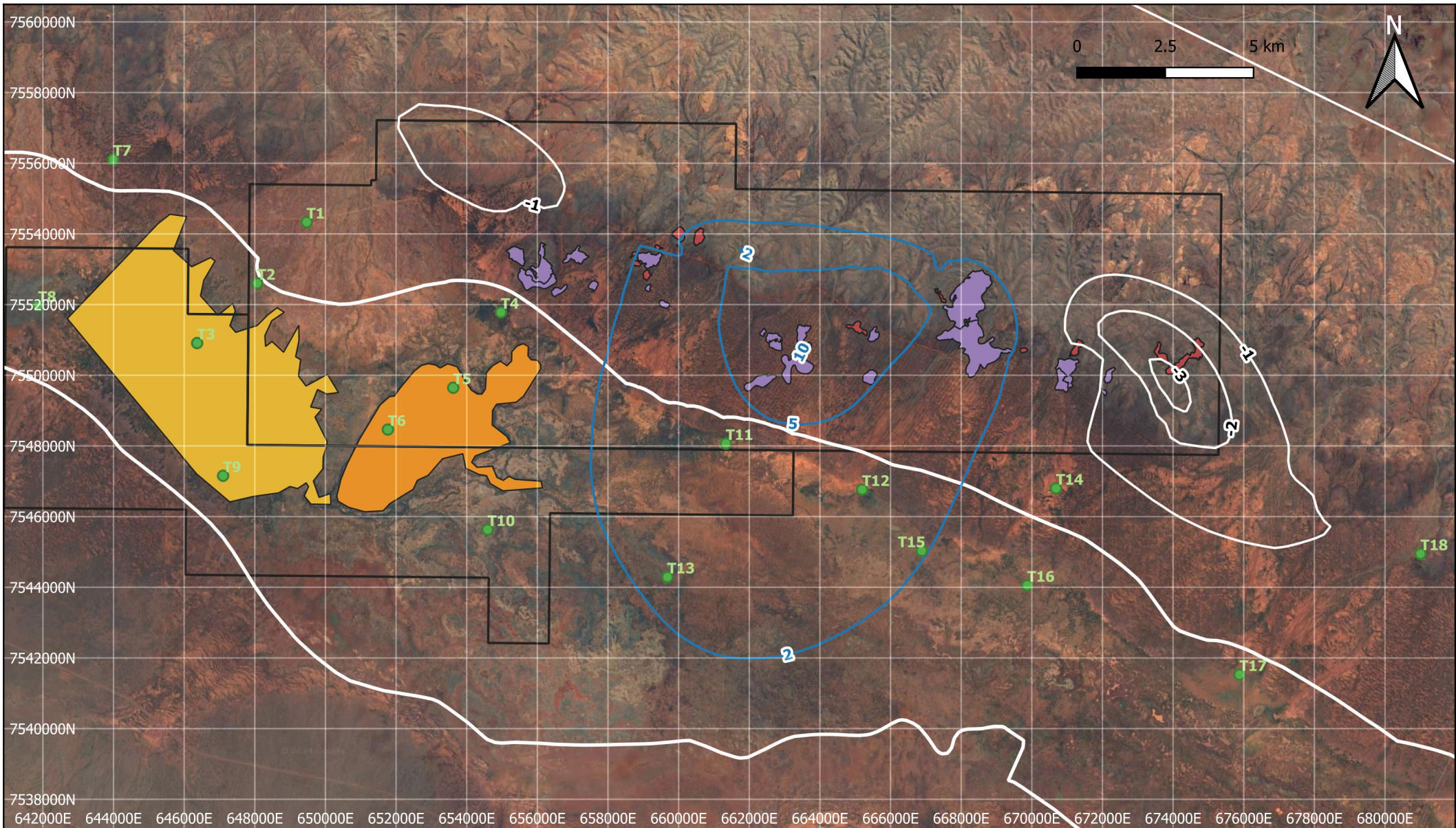
NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

AUTHOR: MP
 DRAWN: MP
 DATE: 29/09/2024

Report NO: GWC-020-2022
 REVISION: H
 JOB No: 020-2022

Legend	
	Pits Above Water Table
	Pits Below Water Table
	MEA Boundary
	Gnalka Gnoona Claypan
	Koodjeepindarranna Claypan
	Tenement Boundary
	Nominal Monitoring Enviro Point
	Predicted Drawdown (m)
	Predicted Mounding (m)

Figure A27

Predicted Drawdown in July 2041



NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

AUTHOR: MP
 DRAWN: MP
 DATE: 29/09/2024

Report NO: GWC-020-2022
 REVISION: H
 JOB No: 020-2022

Legend

- Pits Above Water Table
- Pits Below Water Table
- MEA Boundary
- Gnalka Gnoona Claypan
- Koojeeppindarranna Claypan
- Tenement Boundary
- Nominal Monitoring Enviro Point
- Predicted Drawdown (m)
- Predicted Mounding (m)

Figure A28

Predicted Drawdown in June 2042 (End of Mining)

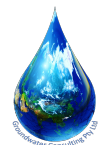


FIGURE A29 - PREDICTED WATER LEVELS AT ENVIRO LOCATIONS

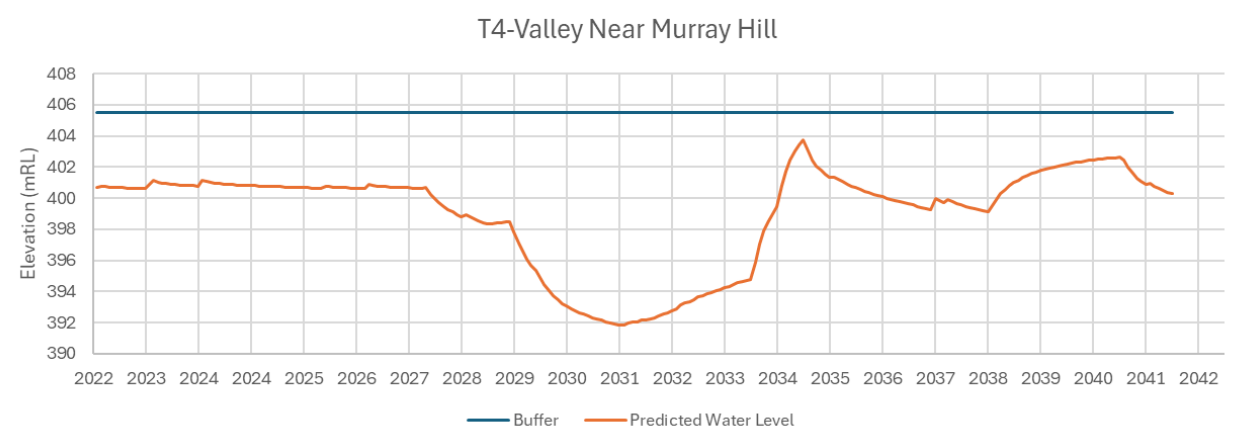
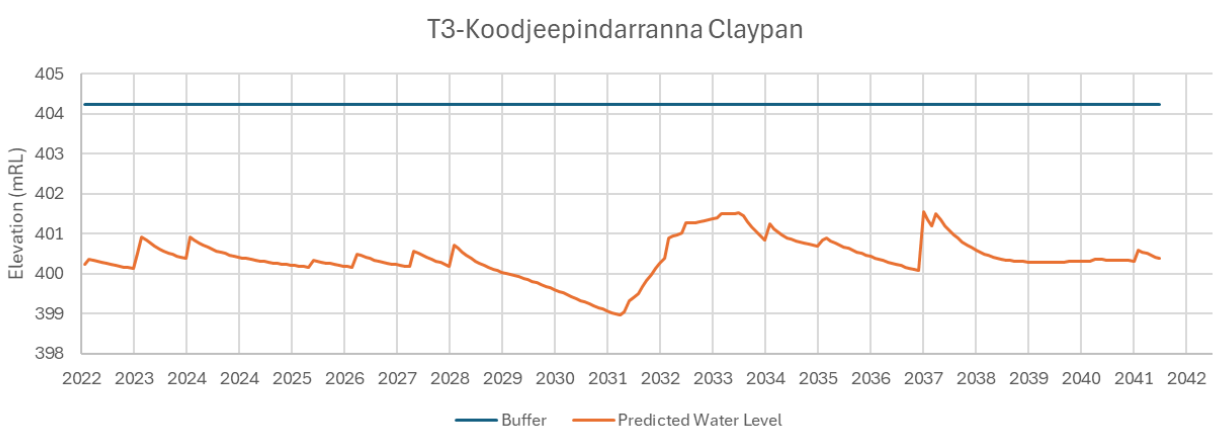
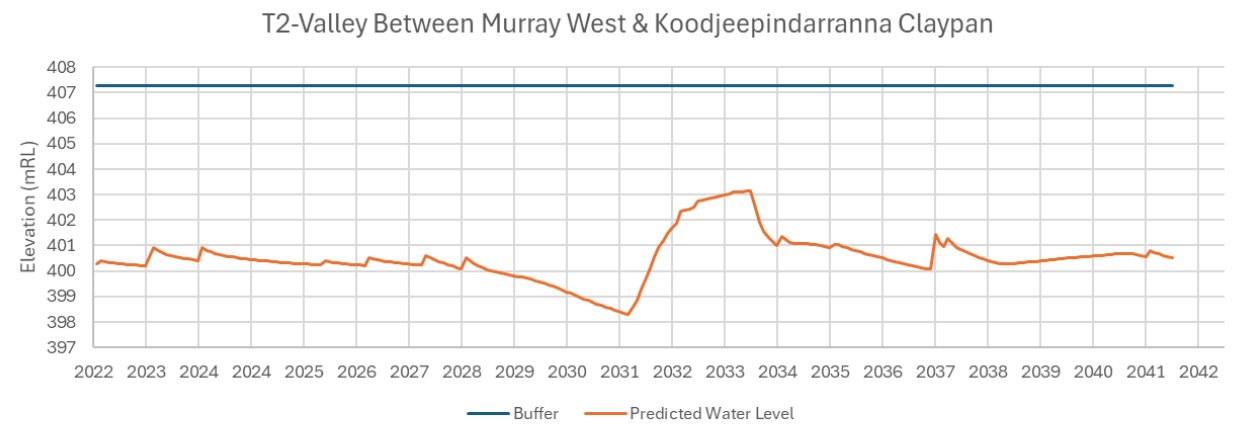
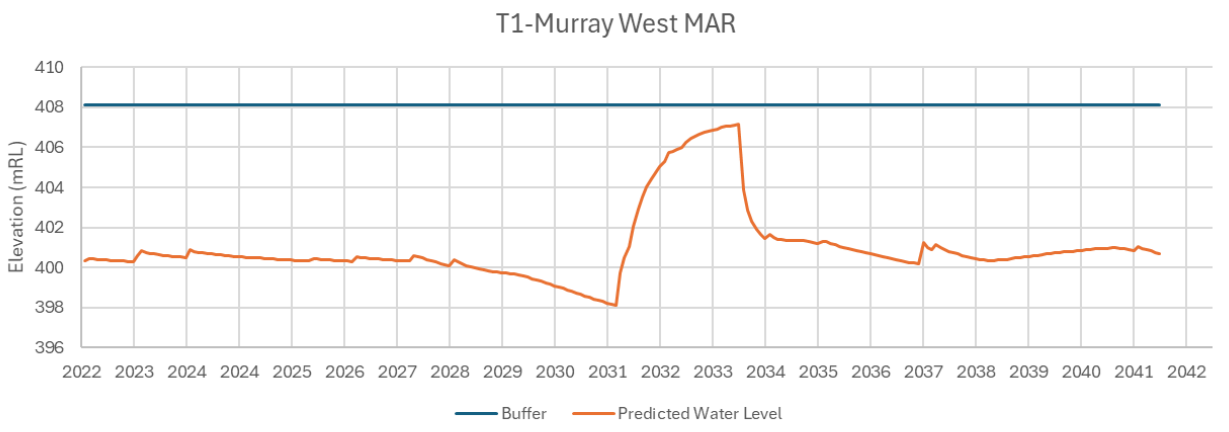
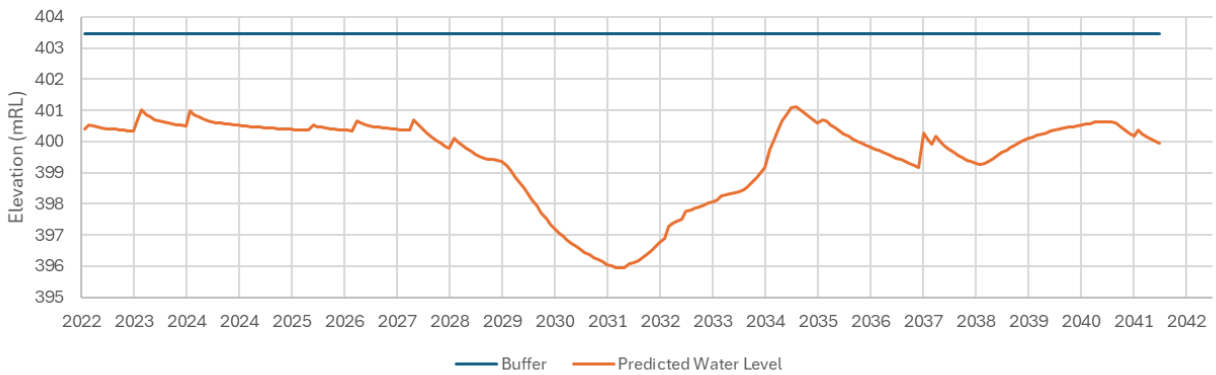
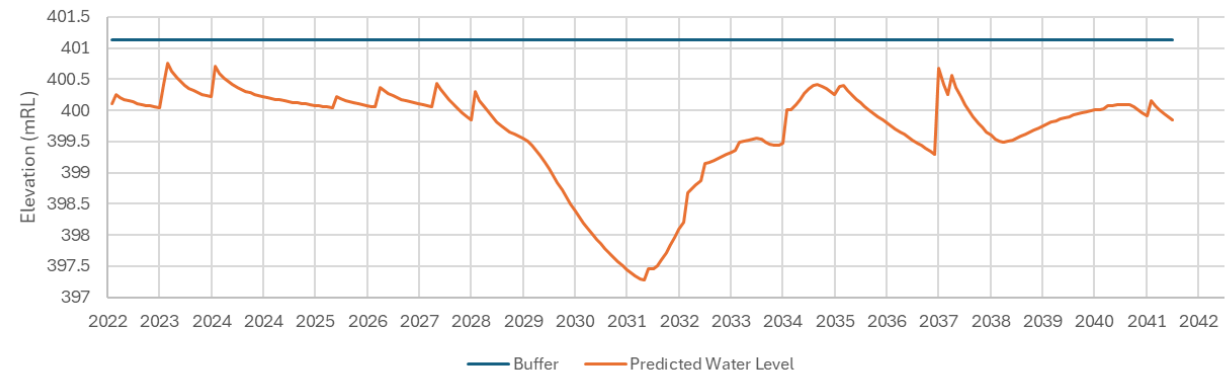


FIGURE A30 - PREDICTED WATER LEVELS AT ENVIRO LOCATIONS

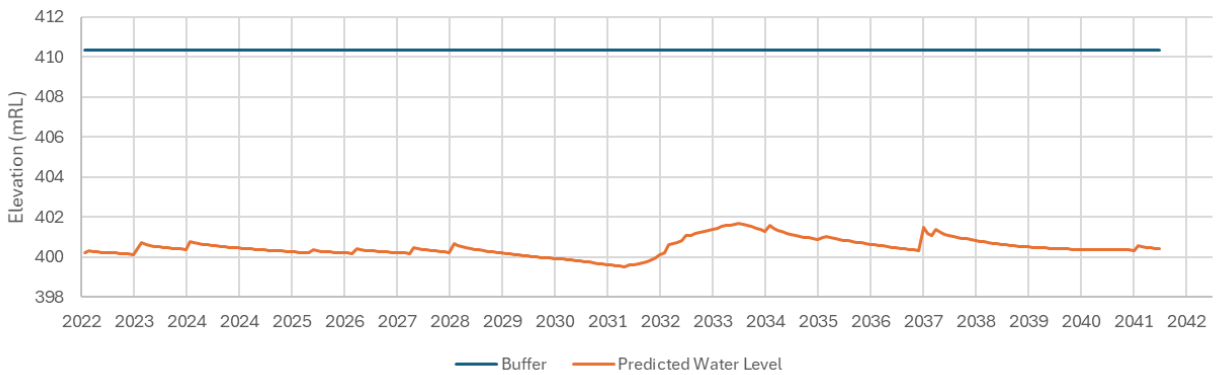
T5-Valley Between Murray Hill & Gnalka Gnoona Claypan



T6-Gnalka Gnoona Claypan



T7-Restricted Stygo 1 West



T8-Valley Far West

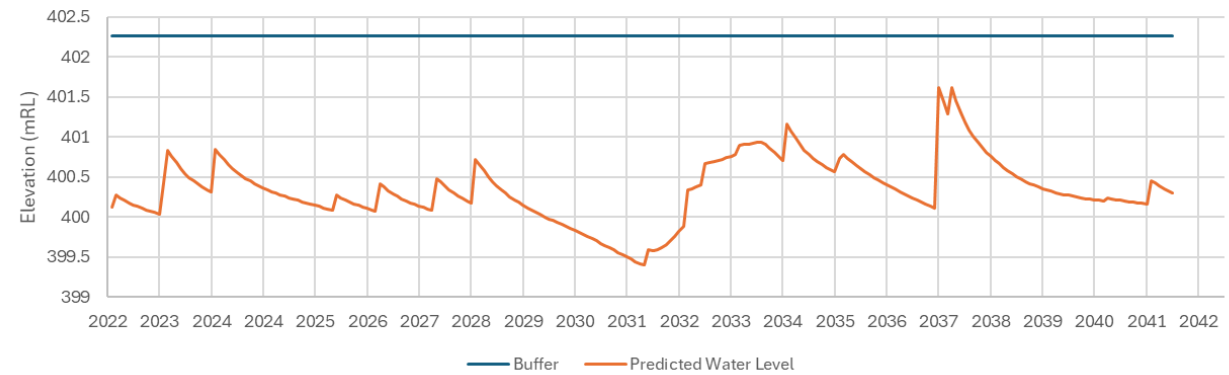
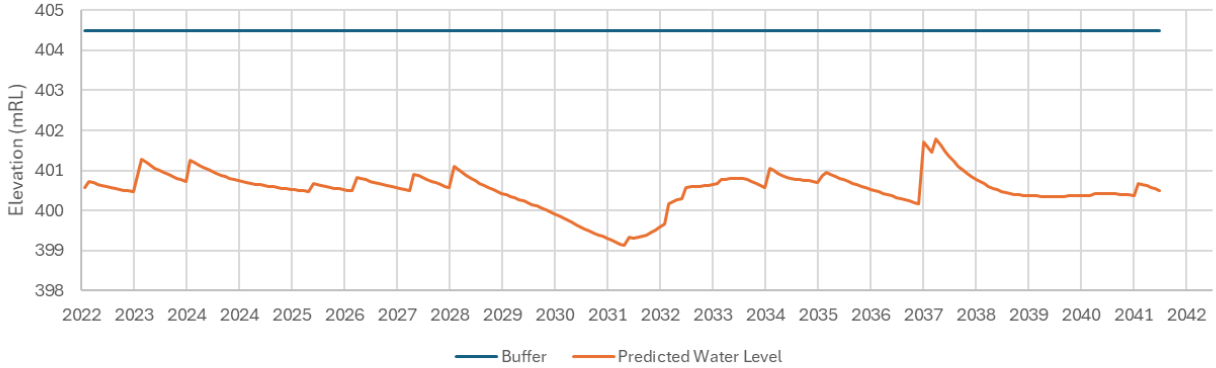
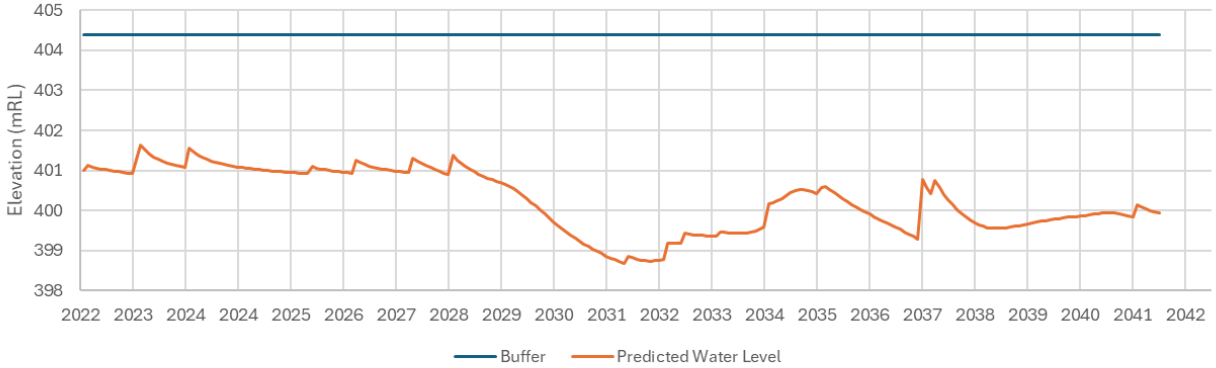


FIGURE A31 - PREDICTED WATER LEVELS AT ENVIRO LOCATIONS

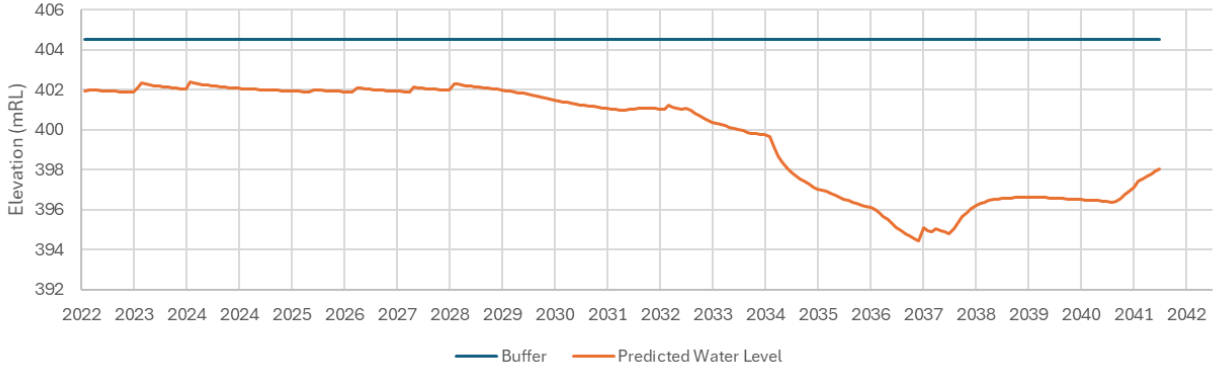
T9-Restricted Stygo 2 Southwest



T10-Restricted Stygo 3 South



T11-Valley Fridge West



T12-Valley Fridge Central

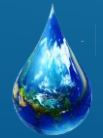
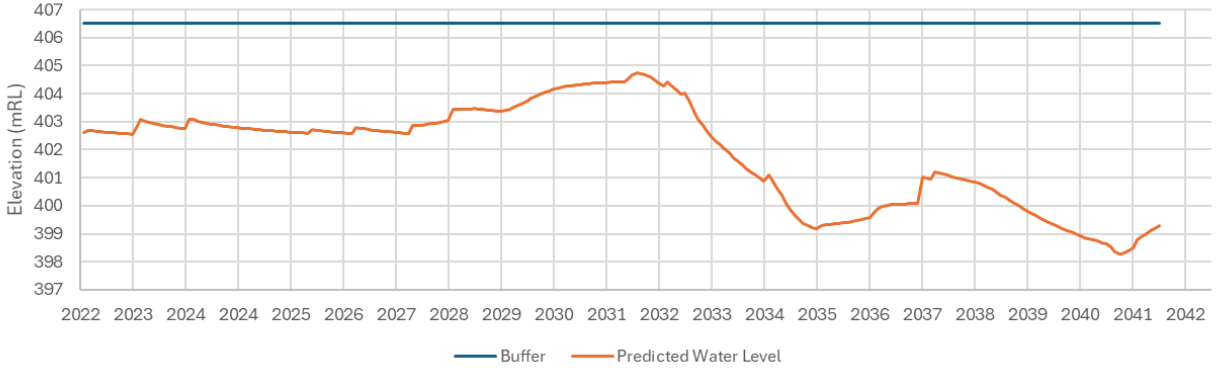
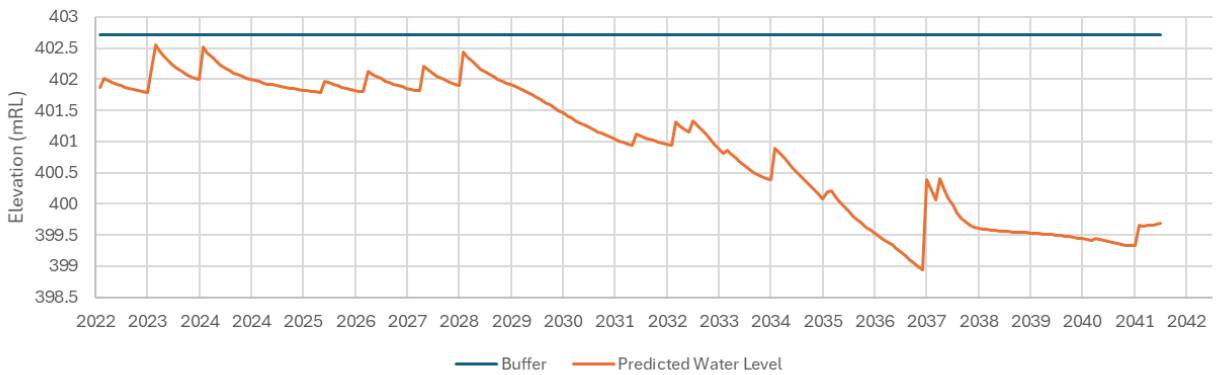
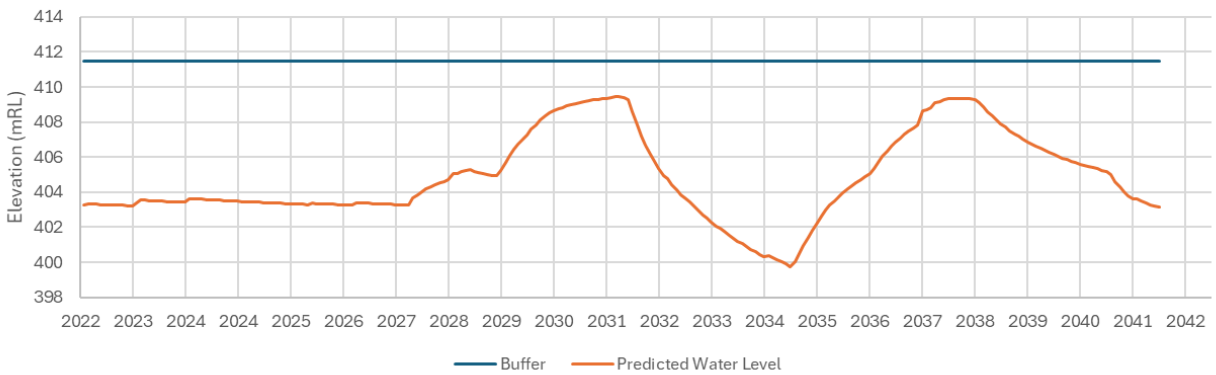


FIGURE A32 - PREDICTED WATER LEVELS AT ENVIRO LOCATIONS

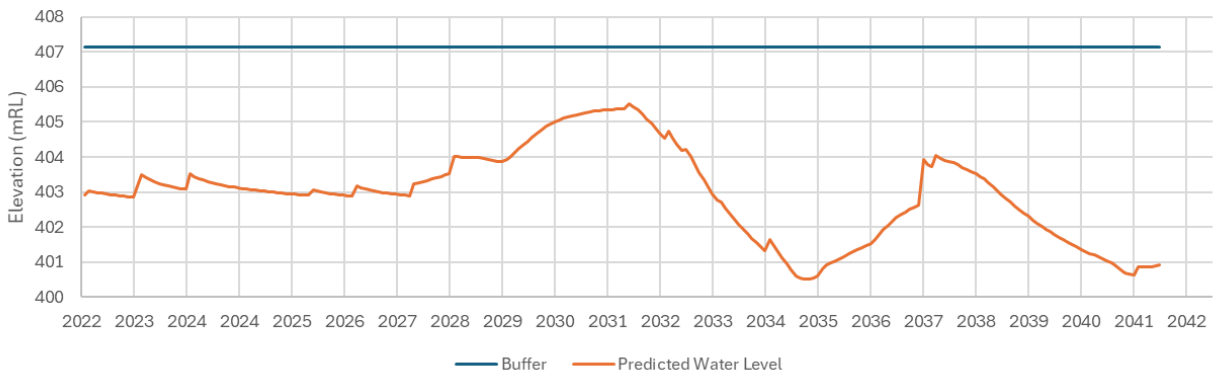
T13-Valley Central



T14-Between Valley & Horseshoe



T15-Valley Fridge Hill



T16-Valley Horseshoe

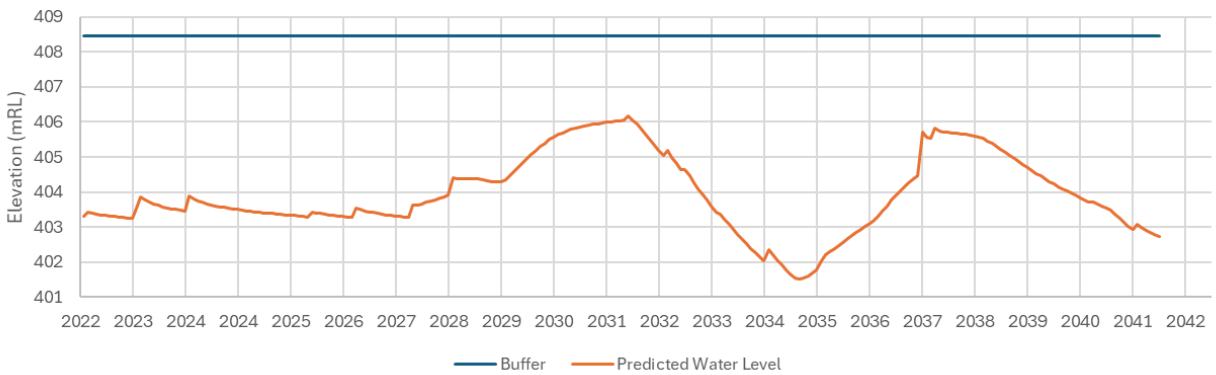
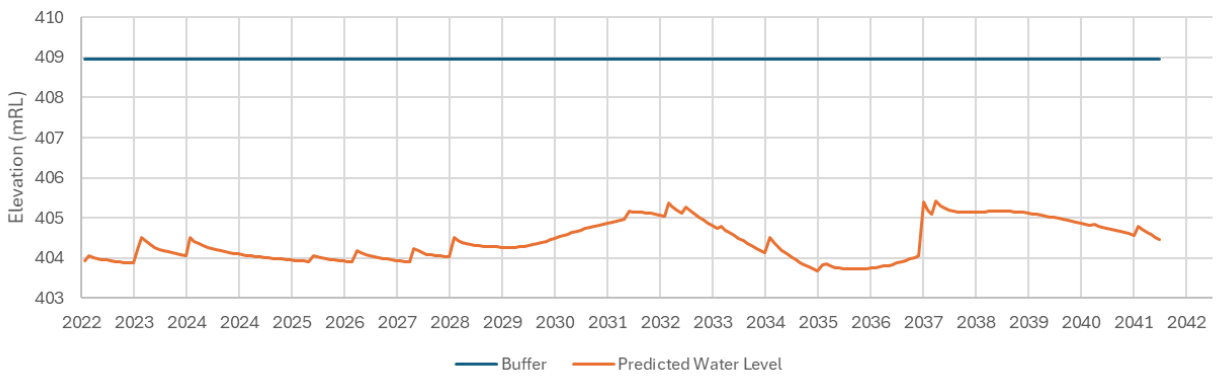
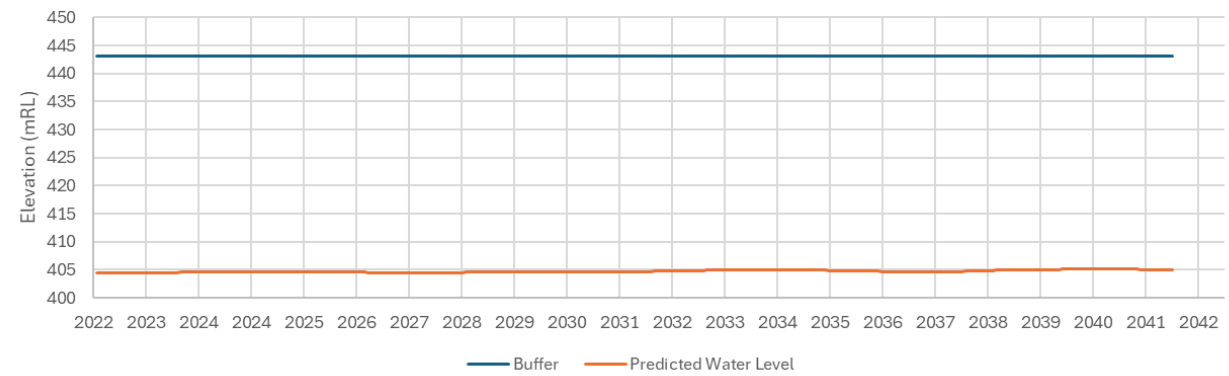


FIGURE A33 - PREDICTED WATER LEVELS AT ENVIRO LOCATIONS

T17-Valley Far Southeast



T18-Wirrilimarra





Appendix B Closure Results

Closure Results – Base Case and Sensitivity Cases

Note: The elapsed time on charts is calculated from the end of mining

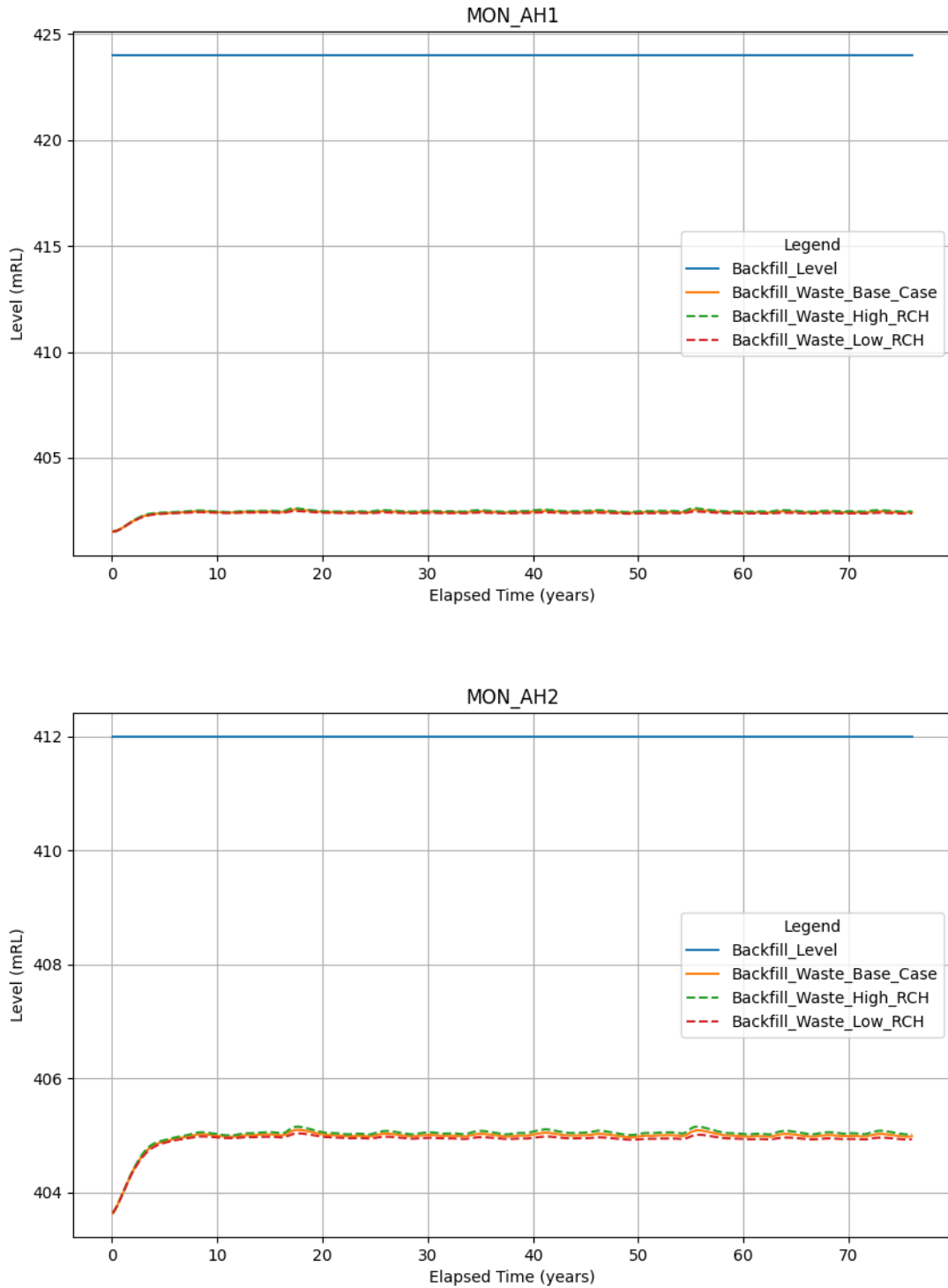


Figure B-1 Predicted pit water level recovery at Anticline Hill



Closure Results – Base Case and Sensitivity Cases

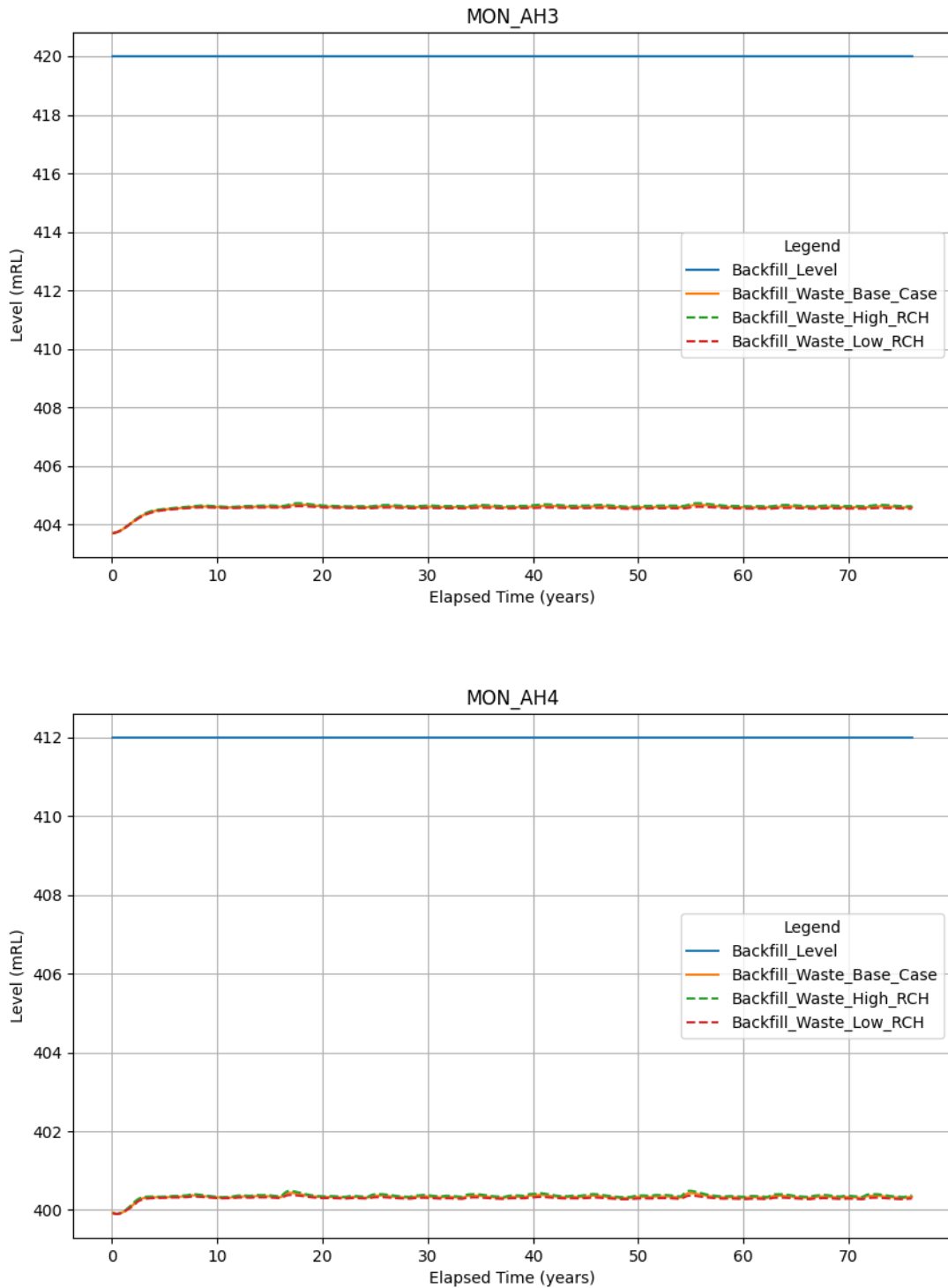


Figure B-2 Predicted pit water level recovery at Anticline Hill



Closure Results – Base Case and Sensitivity Cases

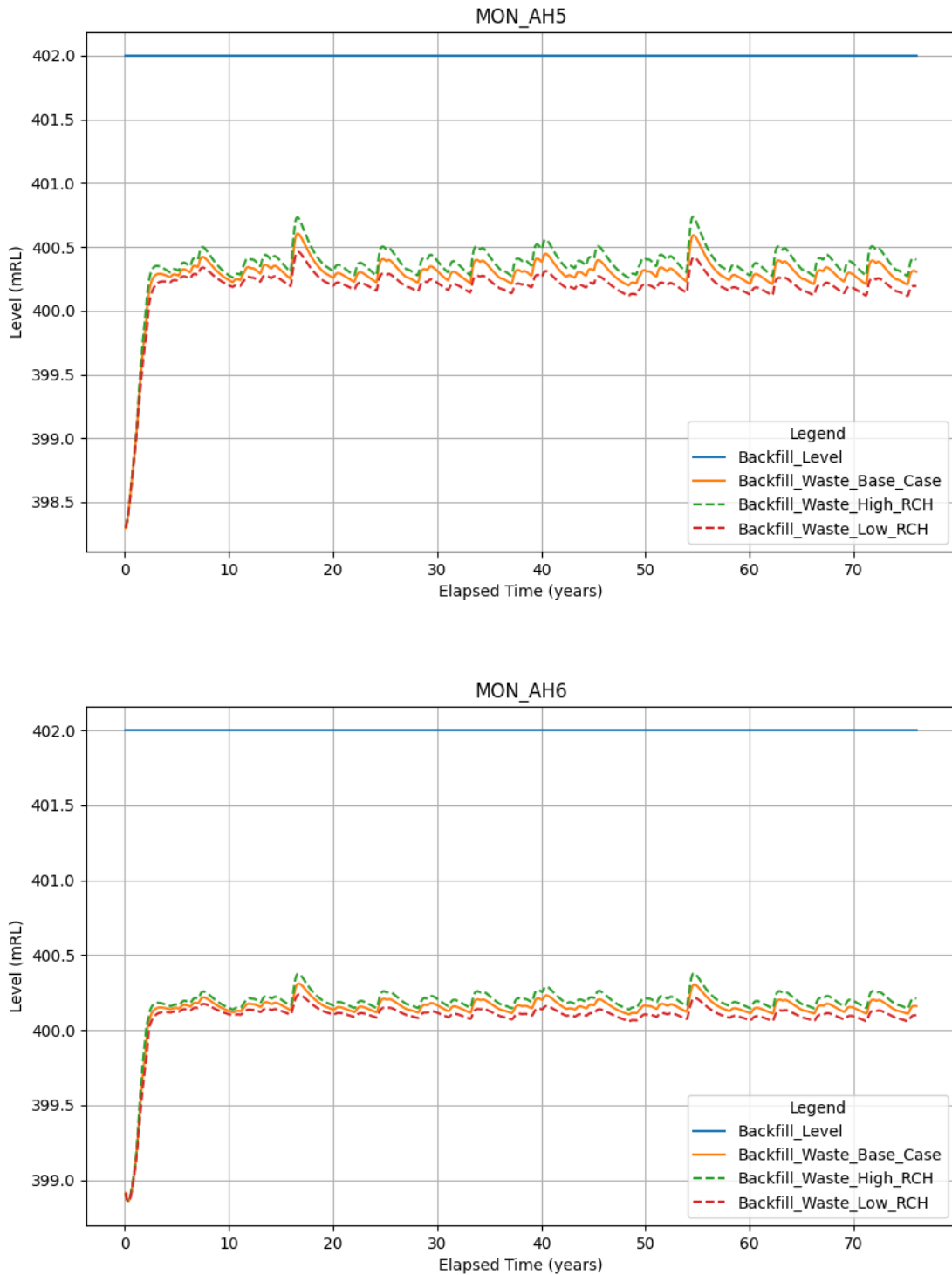


Figure B-3 Predicted pit water level recovery at Anticline Hill



Closure Results – Base Case and Sensitivity Cases

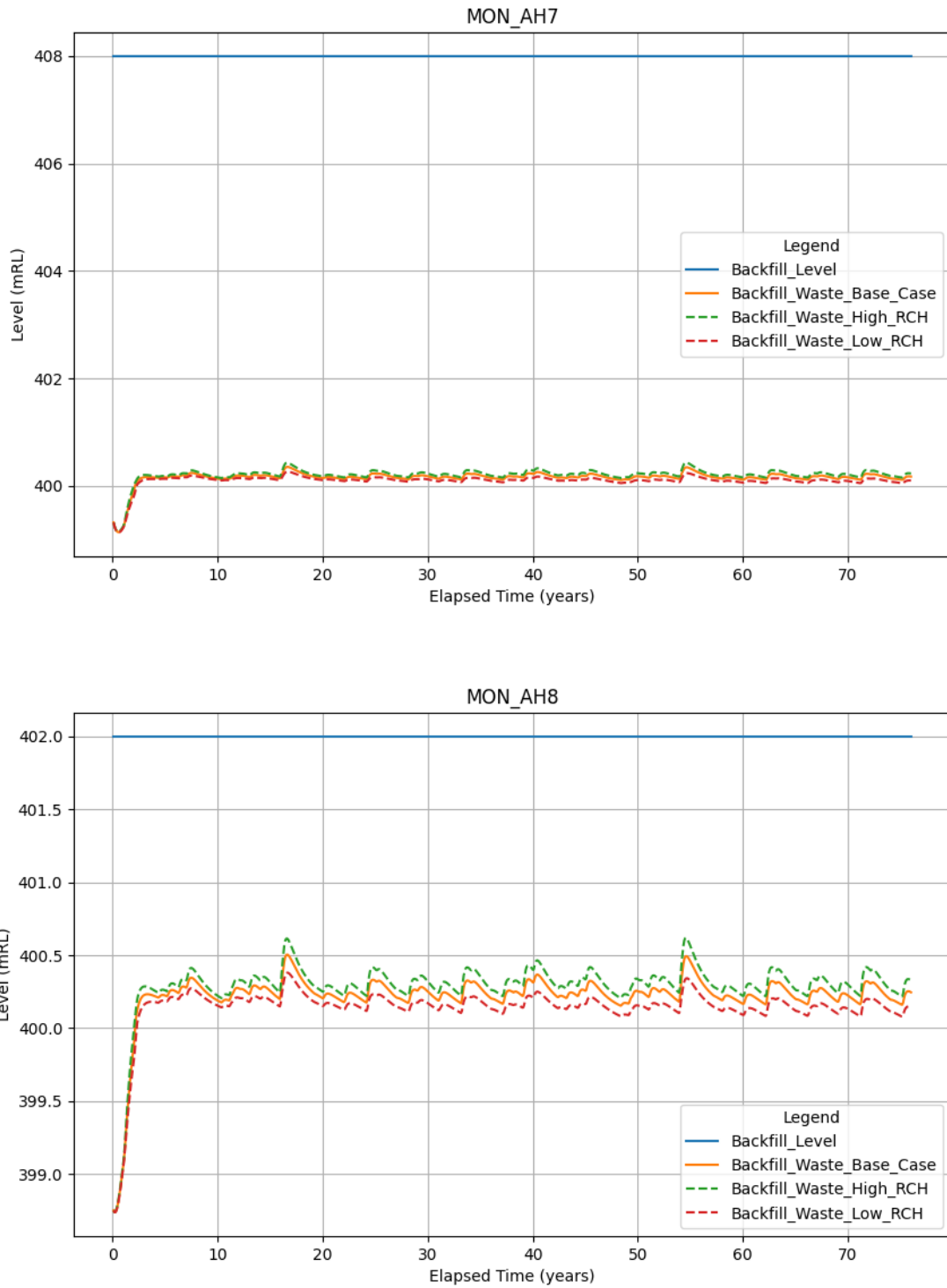


Figure B-4 Predicted pit water level recovery at Anticline Hill



Closure Results – Base Case and Sensitivity Cases

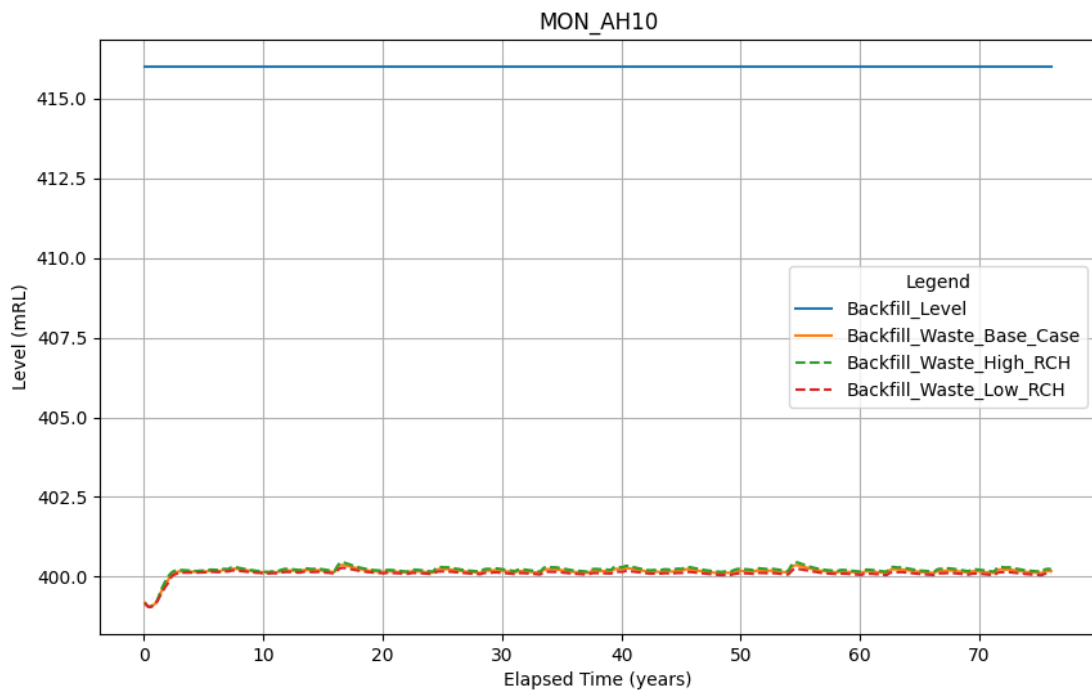
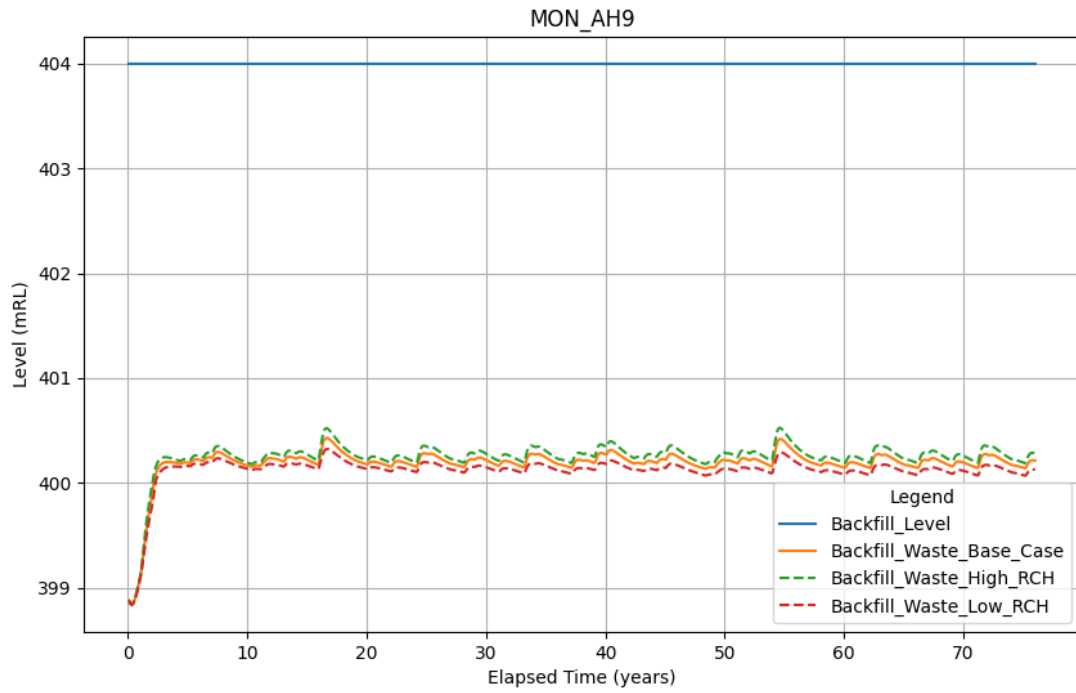


Figure B-5 Predicted pit water level recovery at Anticline Hill



Closure Results – Base Case and Sensitivity Cases

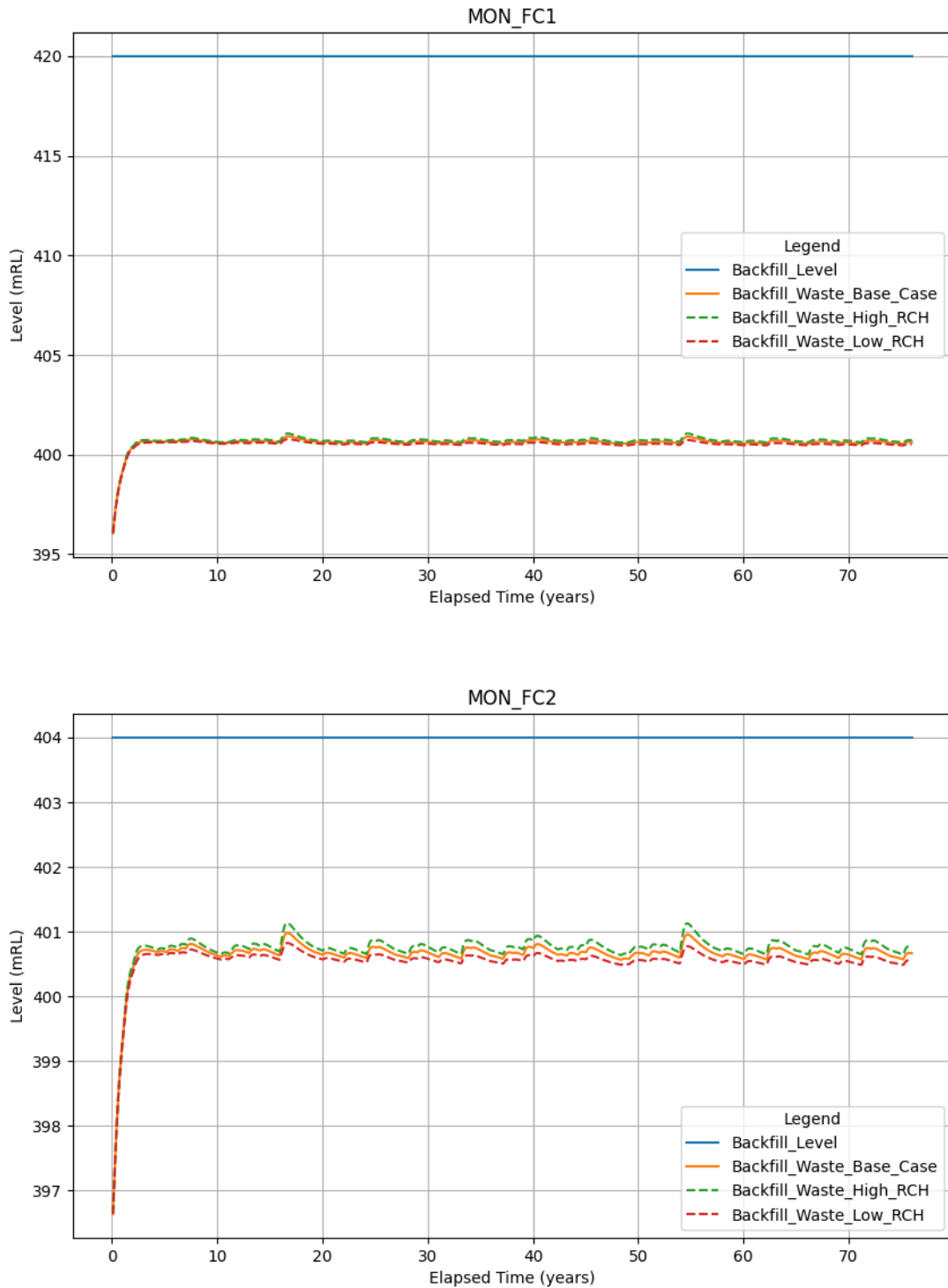


Figure B-6 Predicted pit water level recovery at Fridge Central



Closure Results – Base Case and Sensitivity Cases

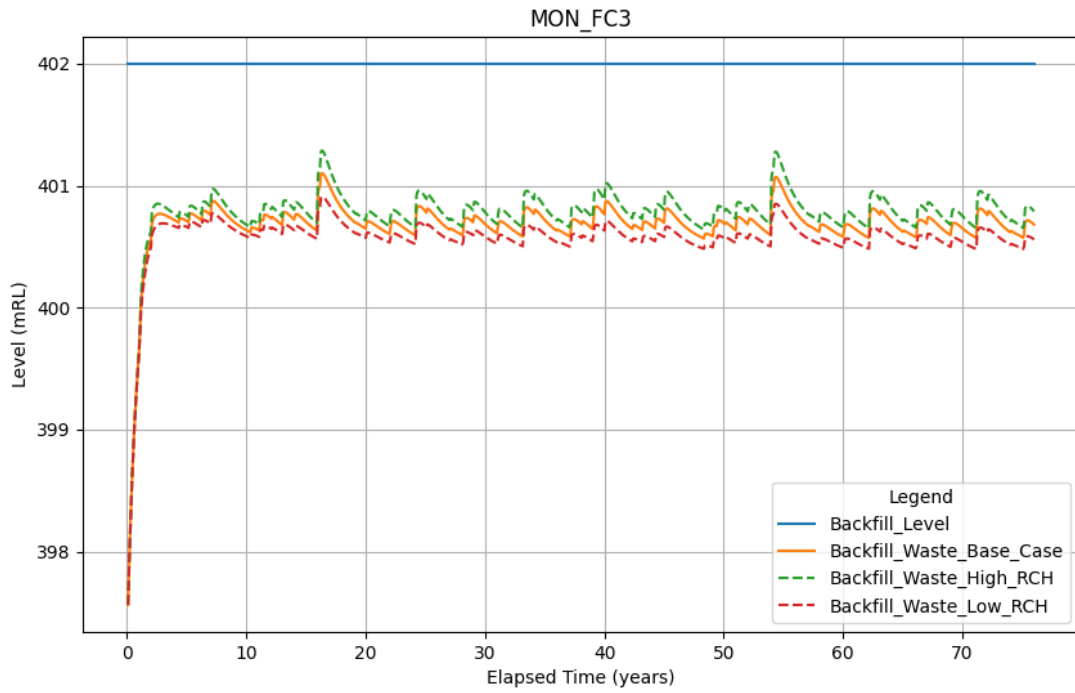


Figure B-7 Predicted pit water level recovery at Fridge Central

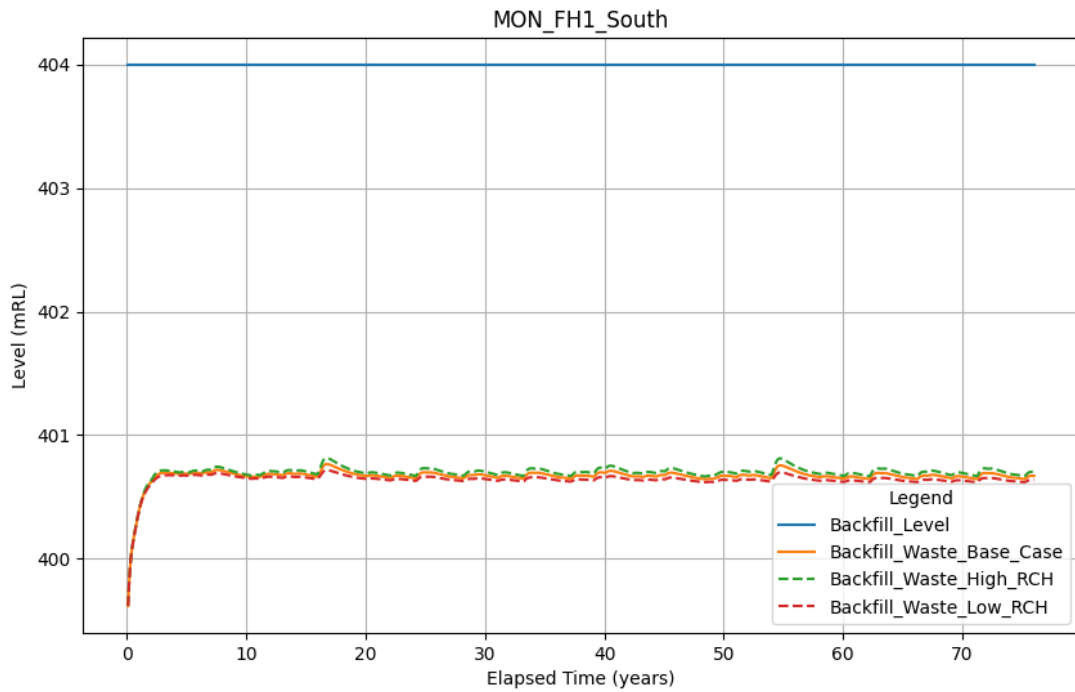


Figure B-8 Predicted pit water level recovery at Fridge Hill



Closure Results – Base Case and Sensitivity Cases

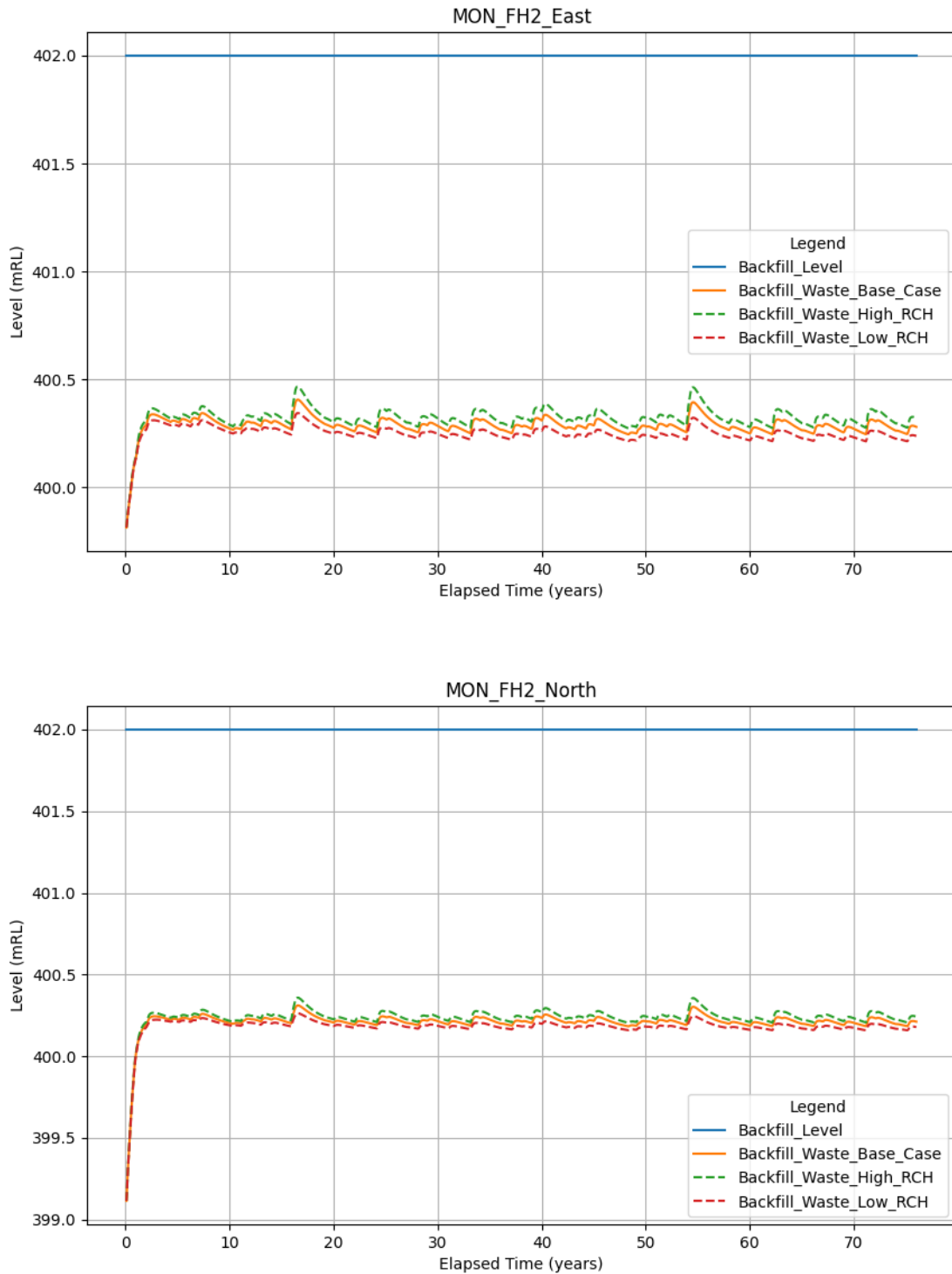


Figure B-9 Predicted pit water level recovery at Fridge Hill



Closure Results – Base Case and Sensitivity Cases

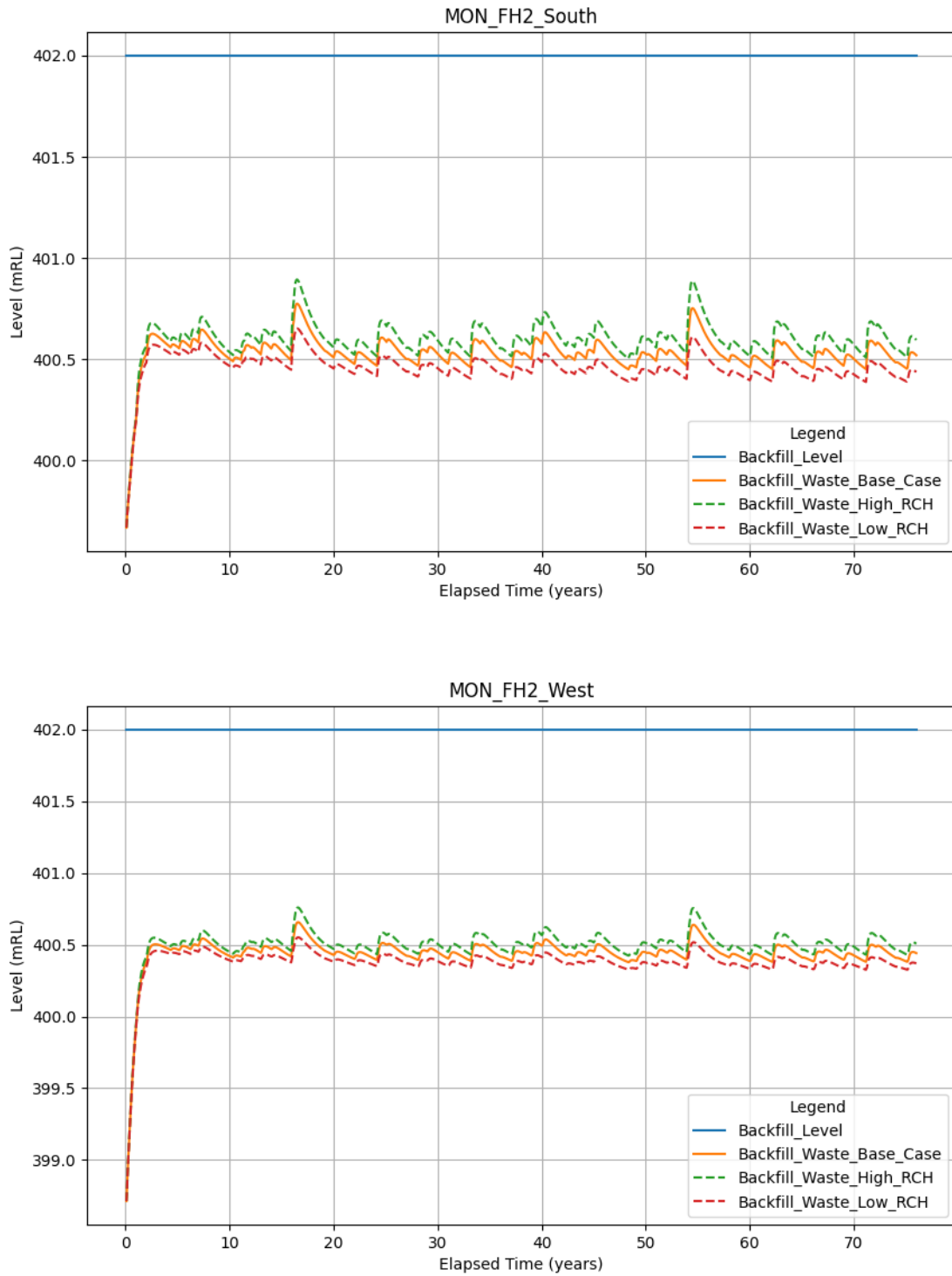


Figure B-10 Predicted pit water level recovery at Fridge Hill



Closure Results – Base Case and Sensitivity Cases

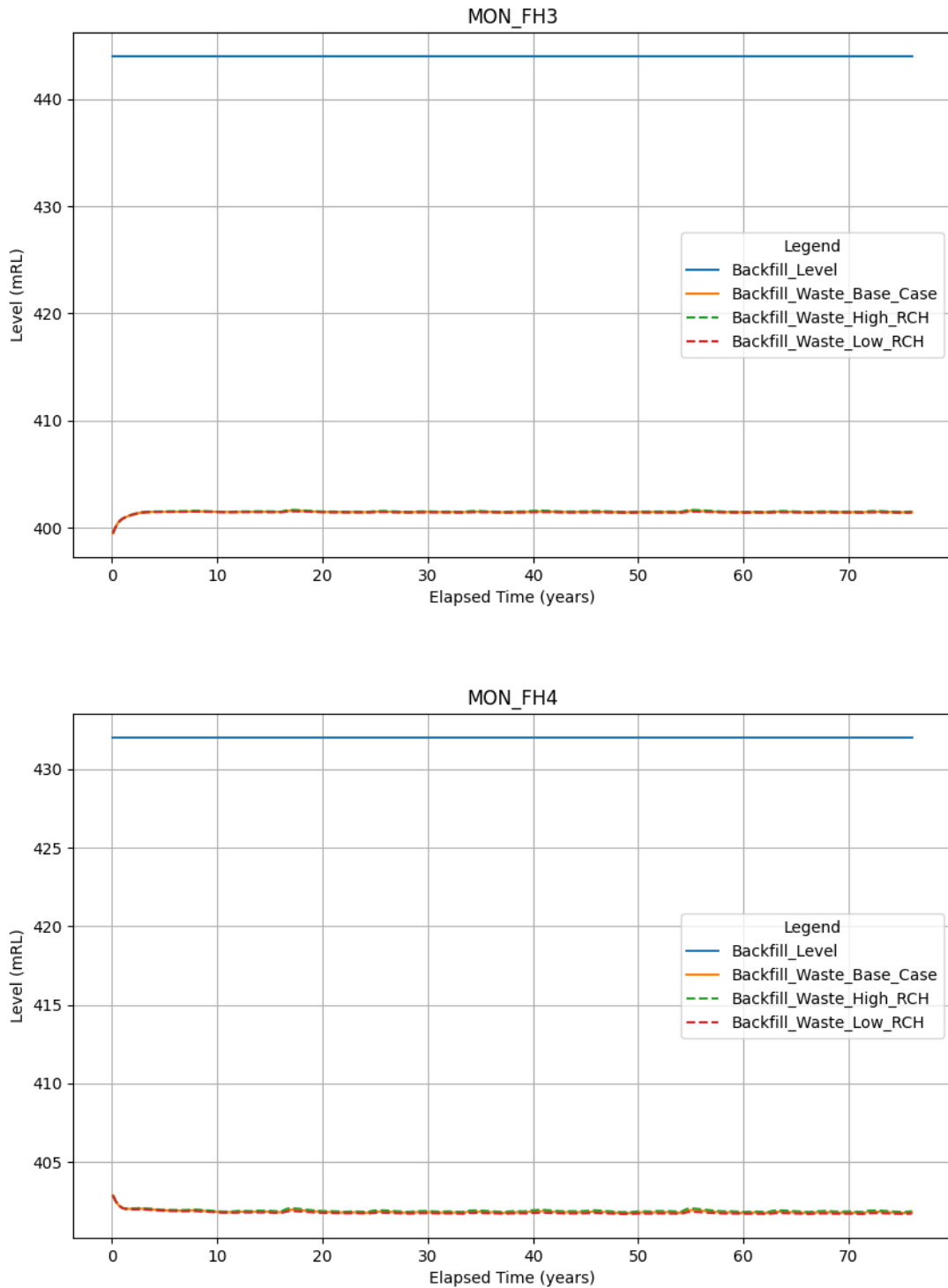


Figure B-11 Predicted pit water level recovery at Fridge Hill



Closure Results – Base Case and Sensitivity Cases

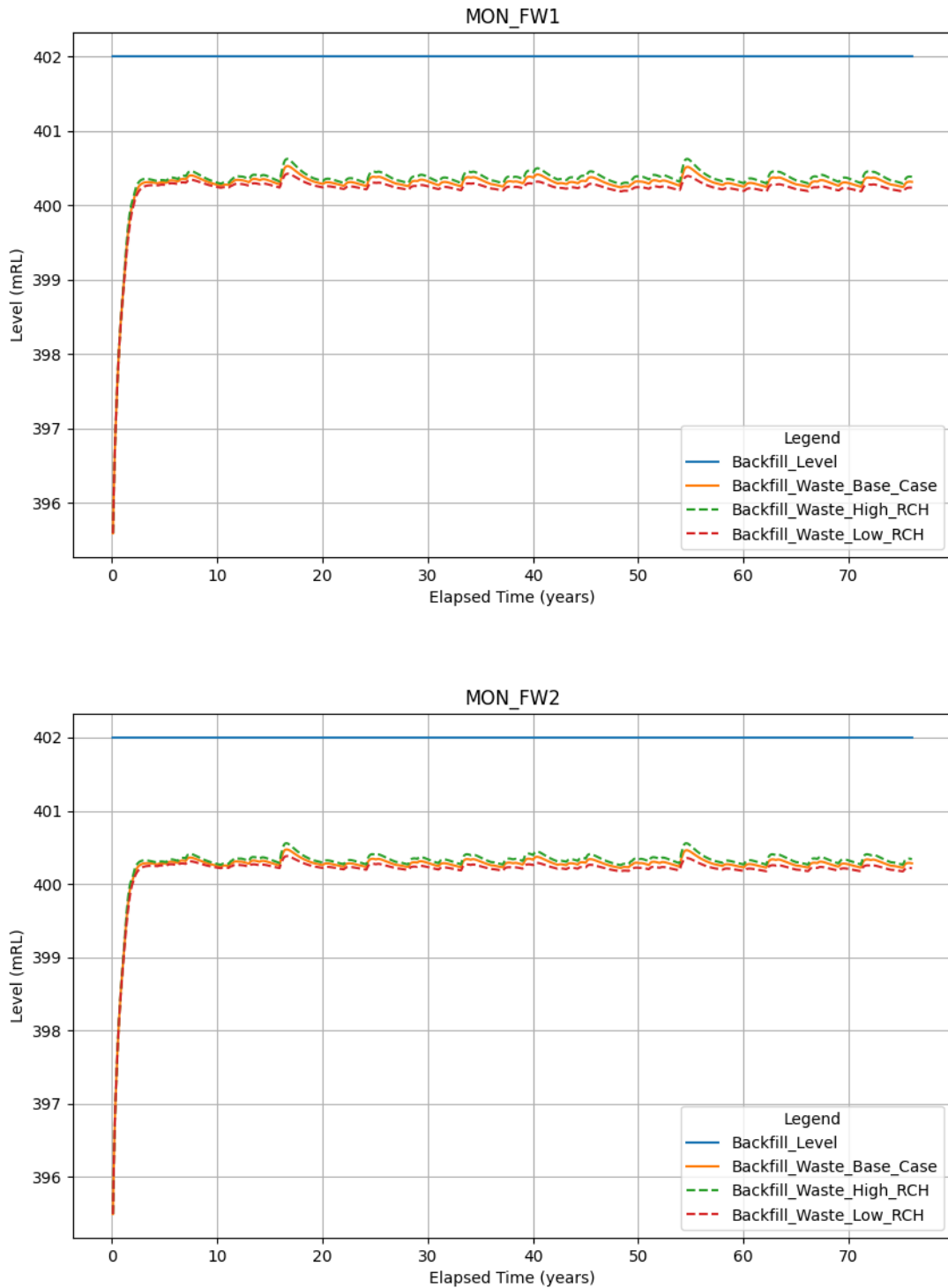


Figure B-12 Predicted pit water level recovery at Fridge West



Closure Results – Base Case and Sensitivity Cases

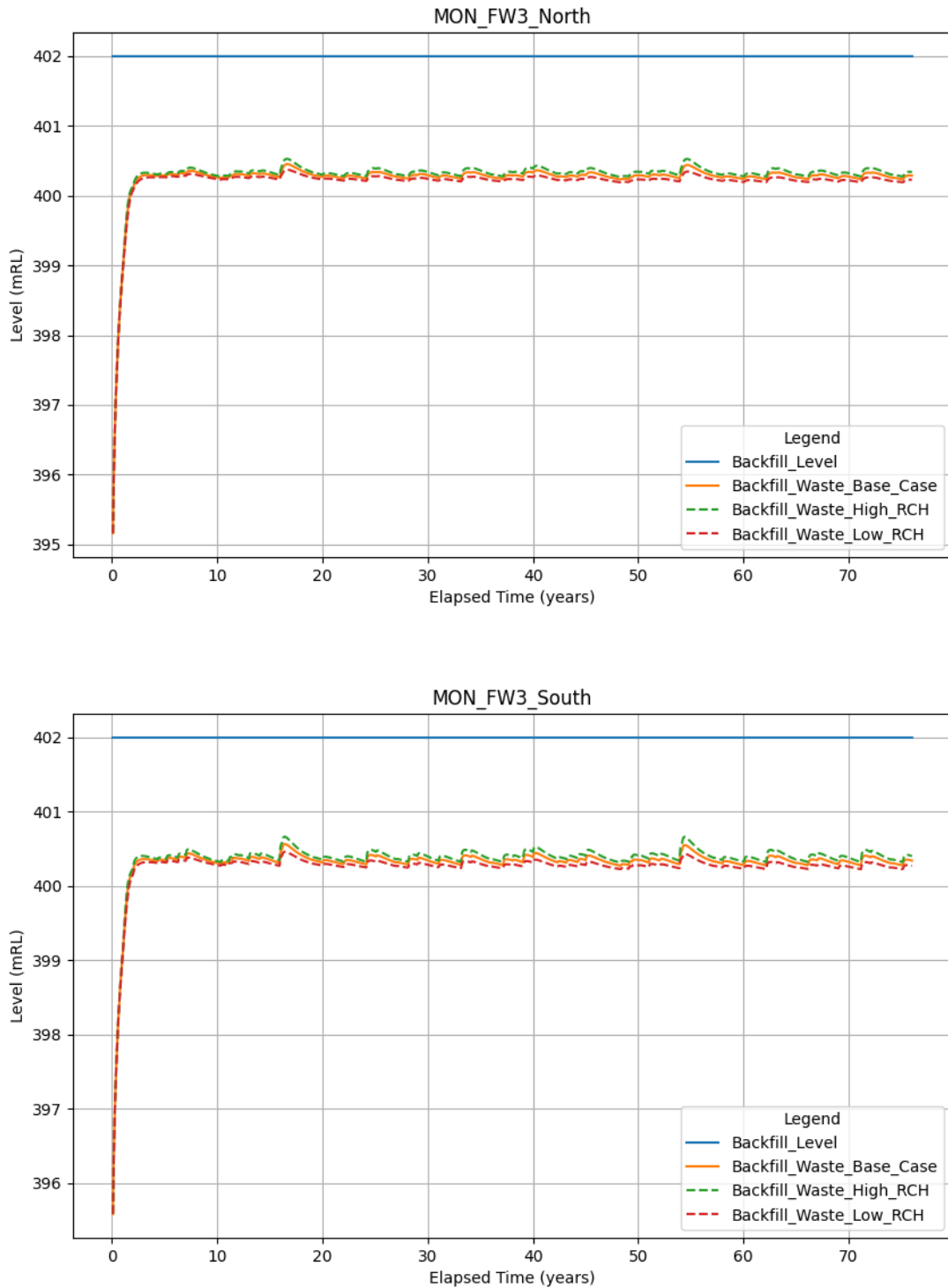


Figure B-13 Predicted pit water level recovery at Fridge West



Closure Results – Base Case and Sensitivity Cases

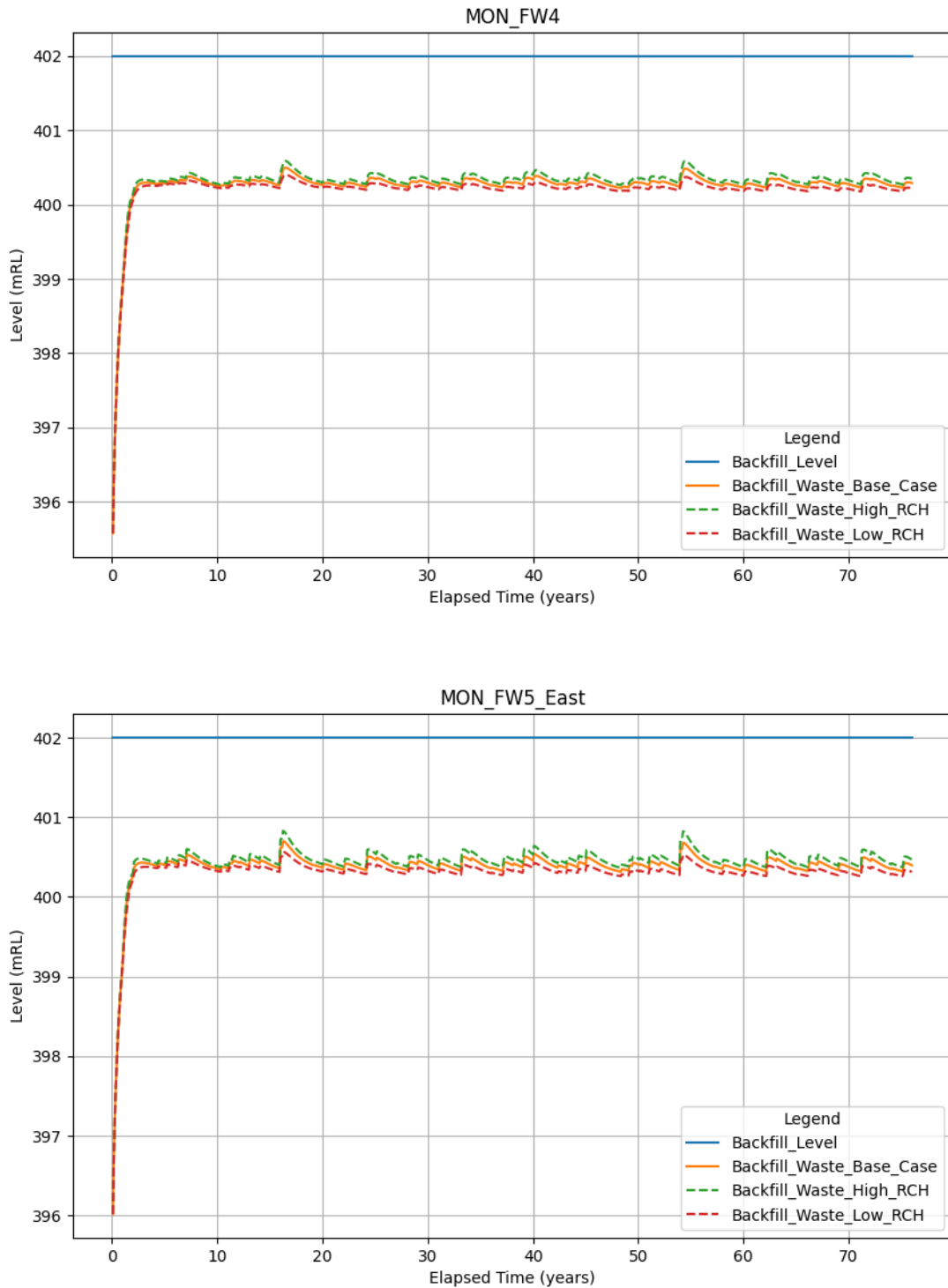


Figure B-14 Predicted pit water level recovery at Fridge West



Closure Results – Base Case and Sensitivity Cases

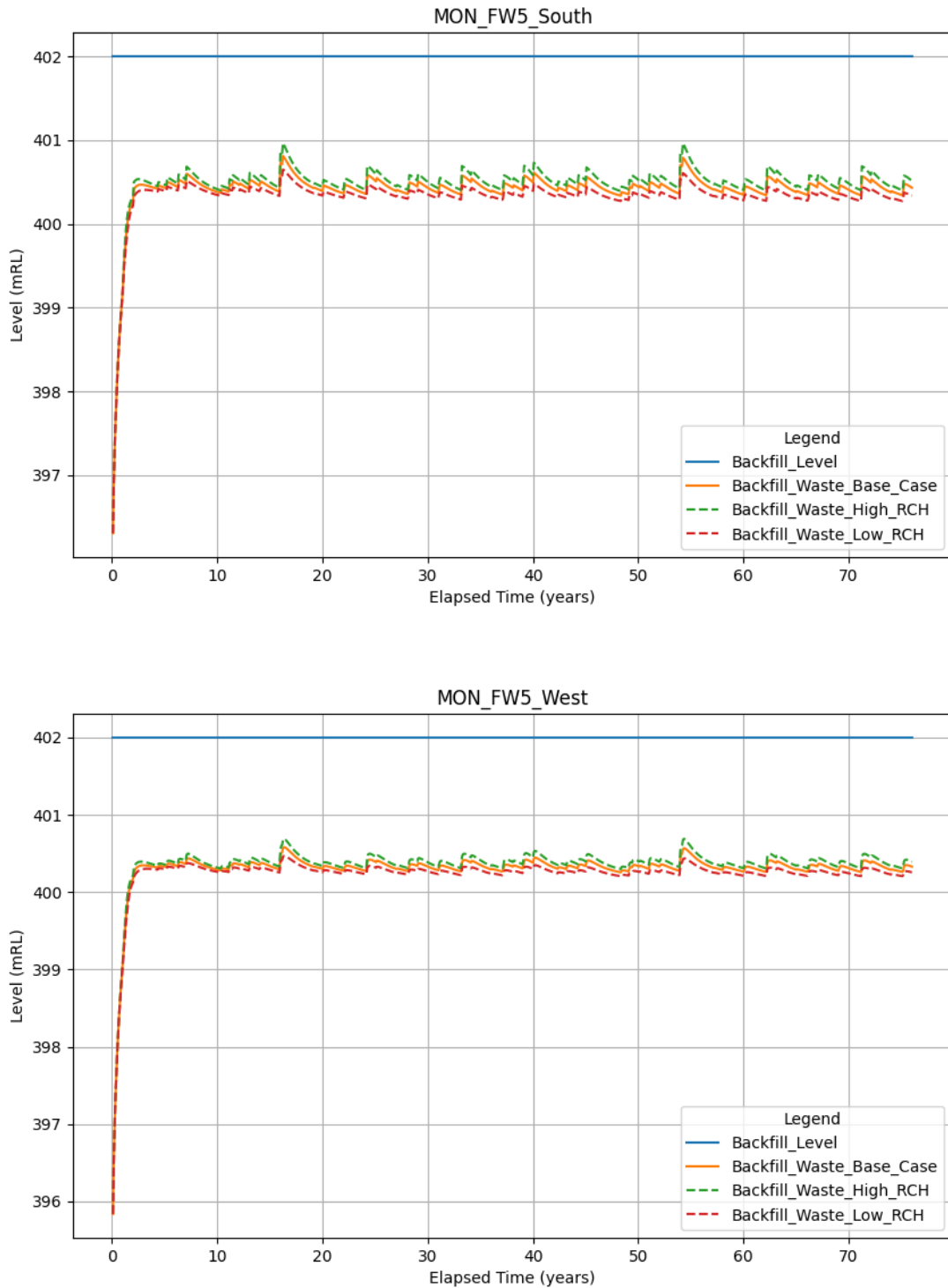


Figure B-15 Predicted pit water level recovery at Fridge West



Closure Results – Base Case and Sensitivity Cases

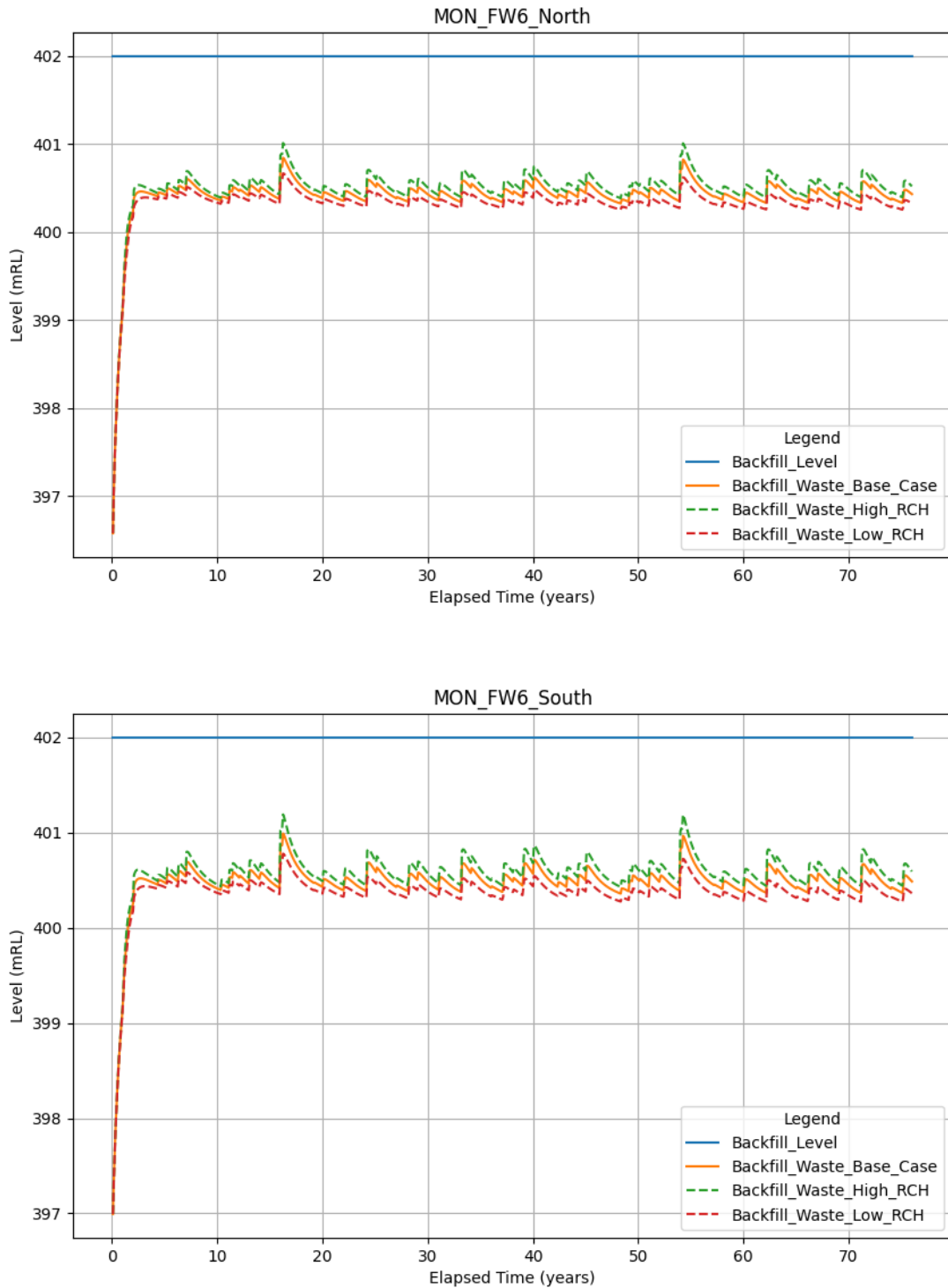


Figure B-16 Predicted pit water level recovery at Fridge West



Closure Results – Base Case and Sensitivity Cases

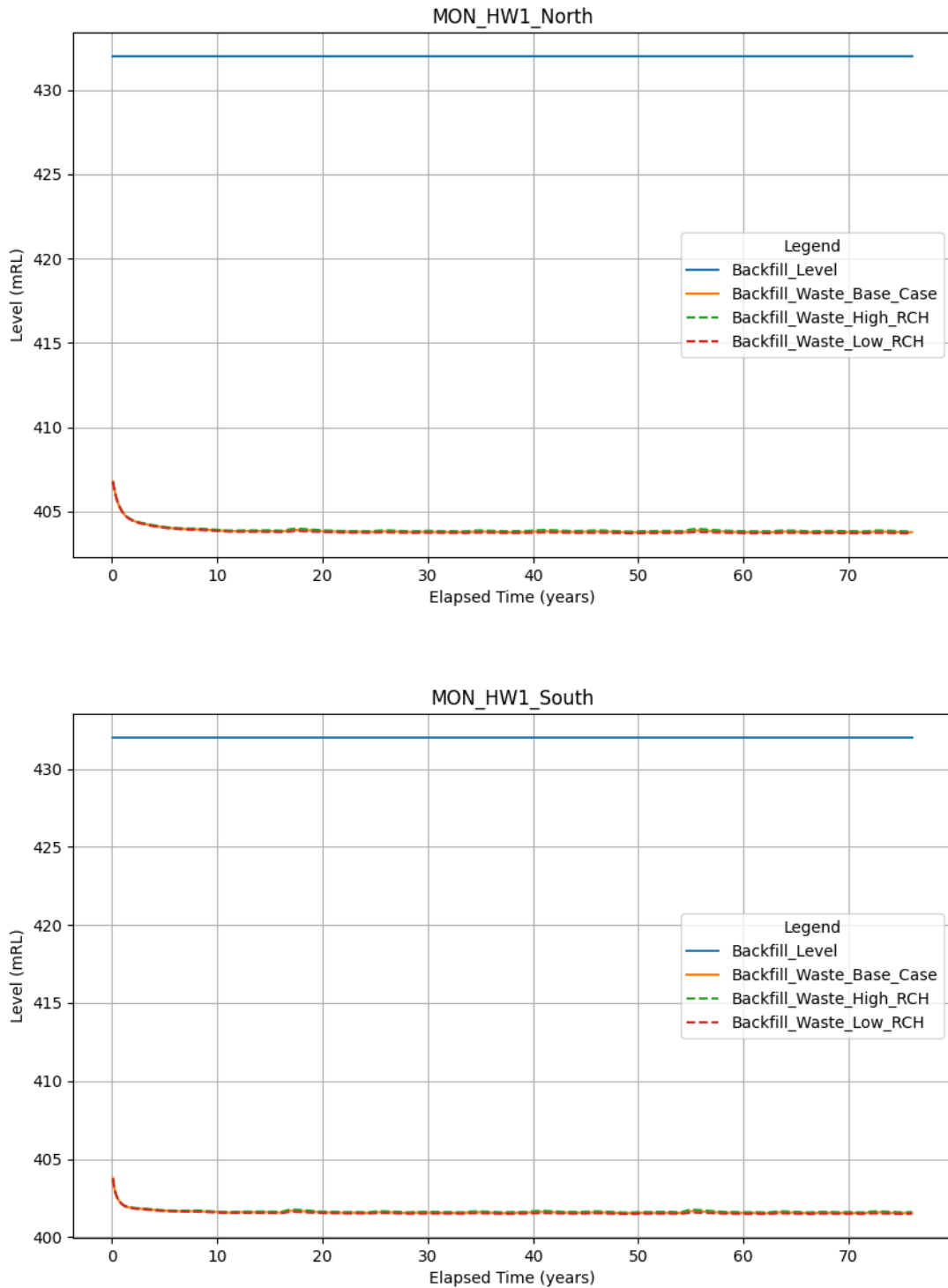


Figure B-17 Predicted pit water level recovery at Horseshoe West



Closure Results – Base Case and Sensitivity Cases

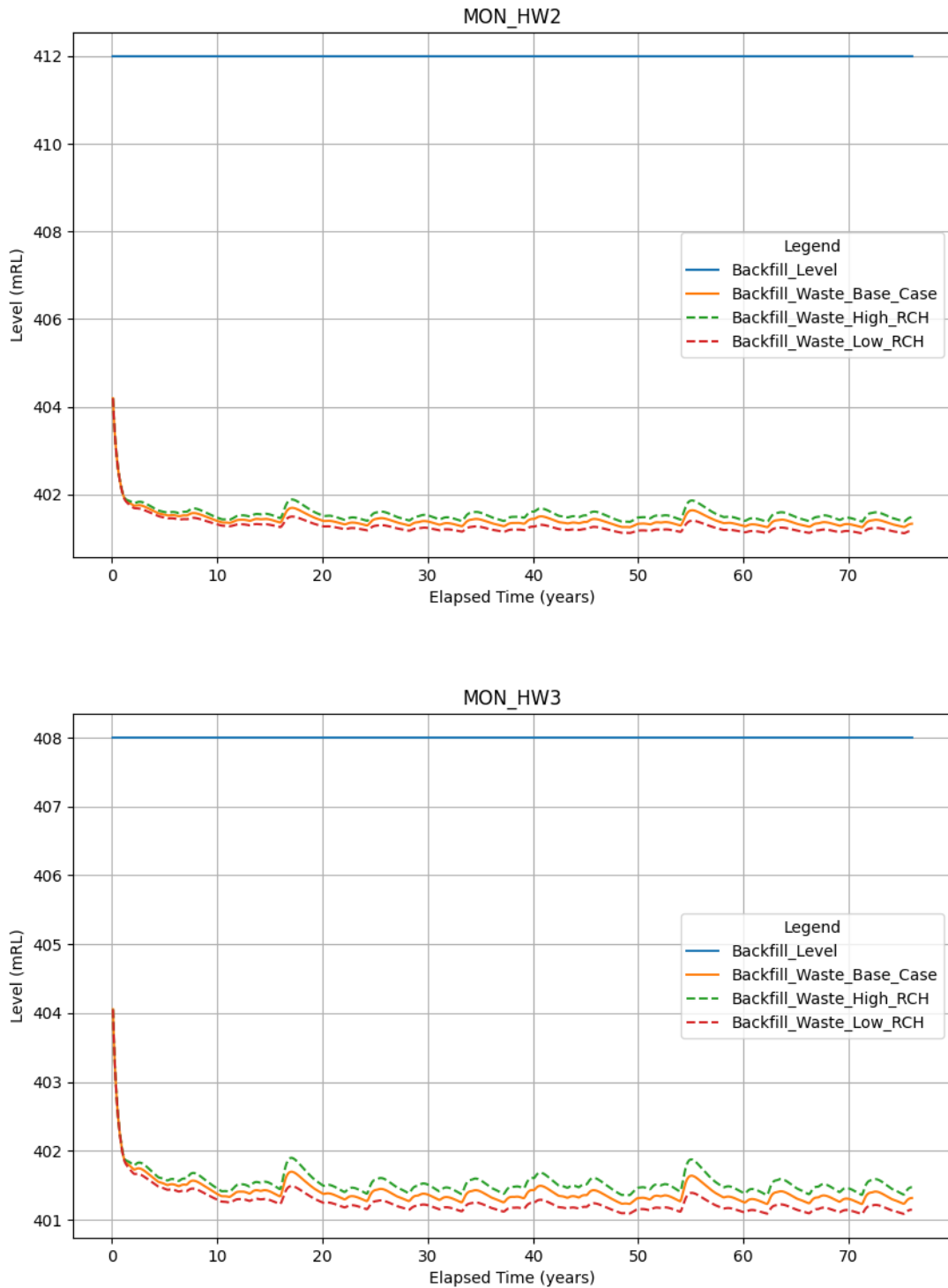


Figure B-18 Predicted pit water level recovery at Horseshoe West



Closure Results – Base Case and Sensitivity Cases

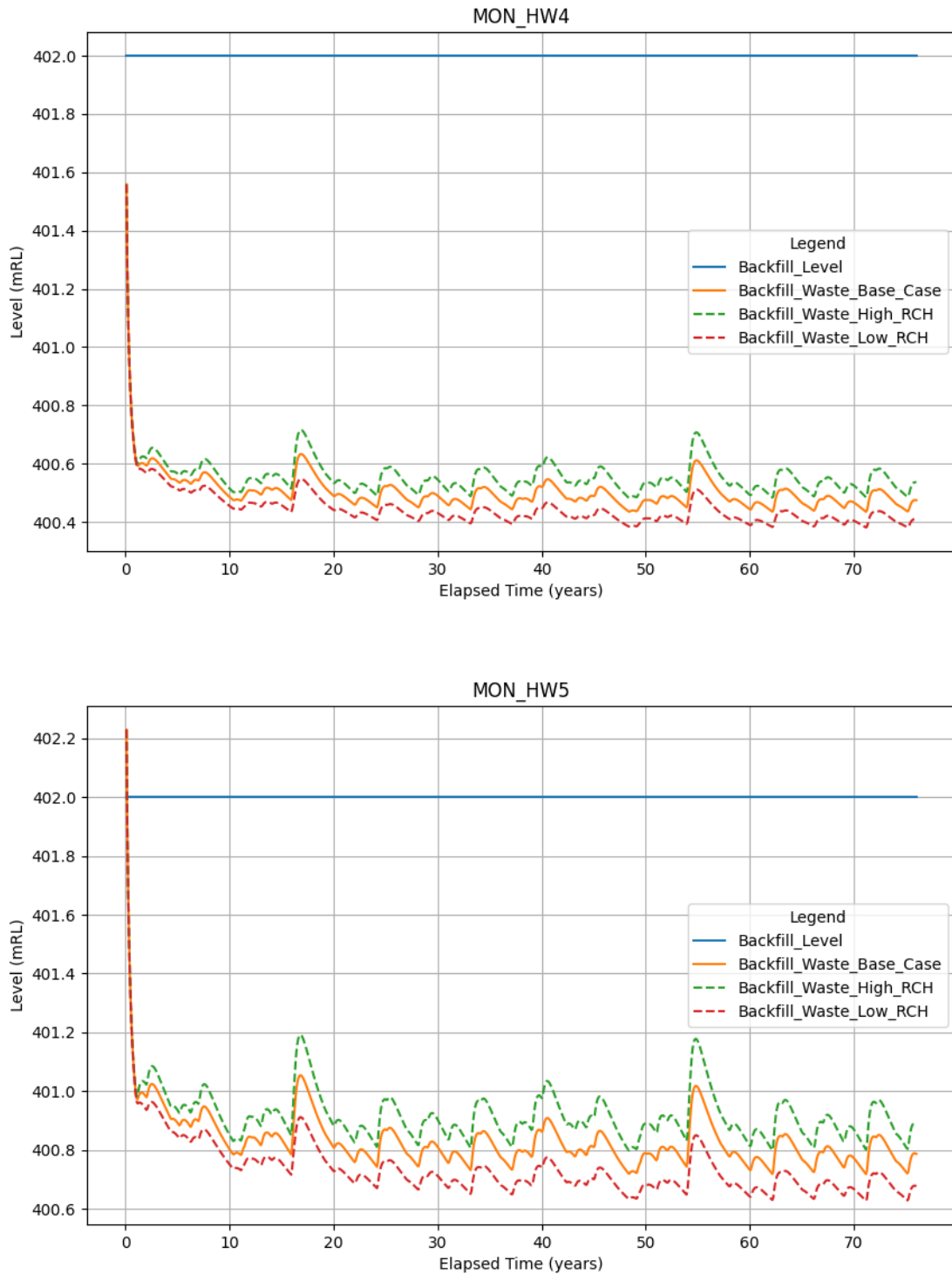


Figure B-19 Predicted pit water level recovery at Horseshoe West



Closure Results – Base Case and Sensitivity Cases

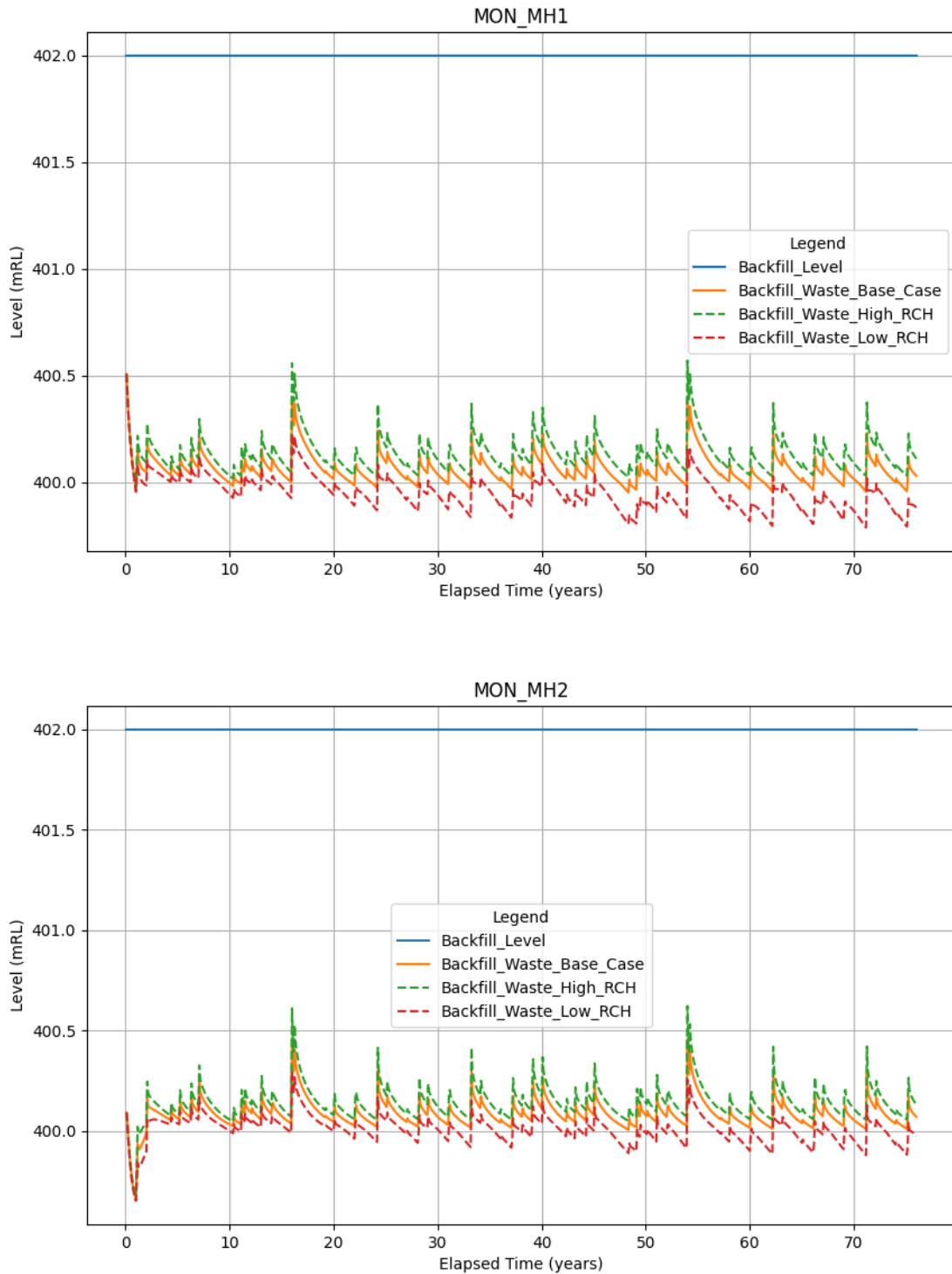


Figure B-20 Predicted pit water level recovery at Murray Hill



Closure Results – Base Case and Sensitivity Cases

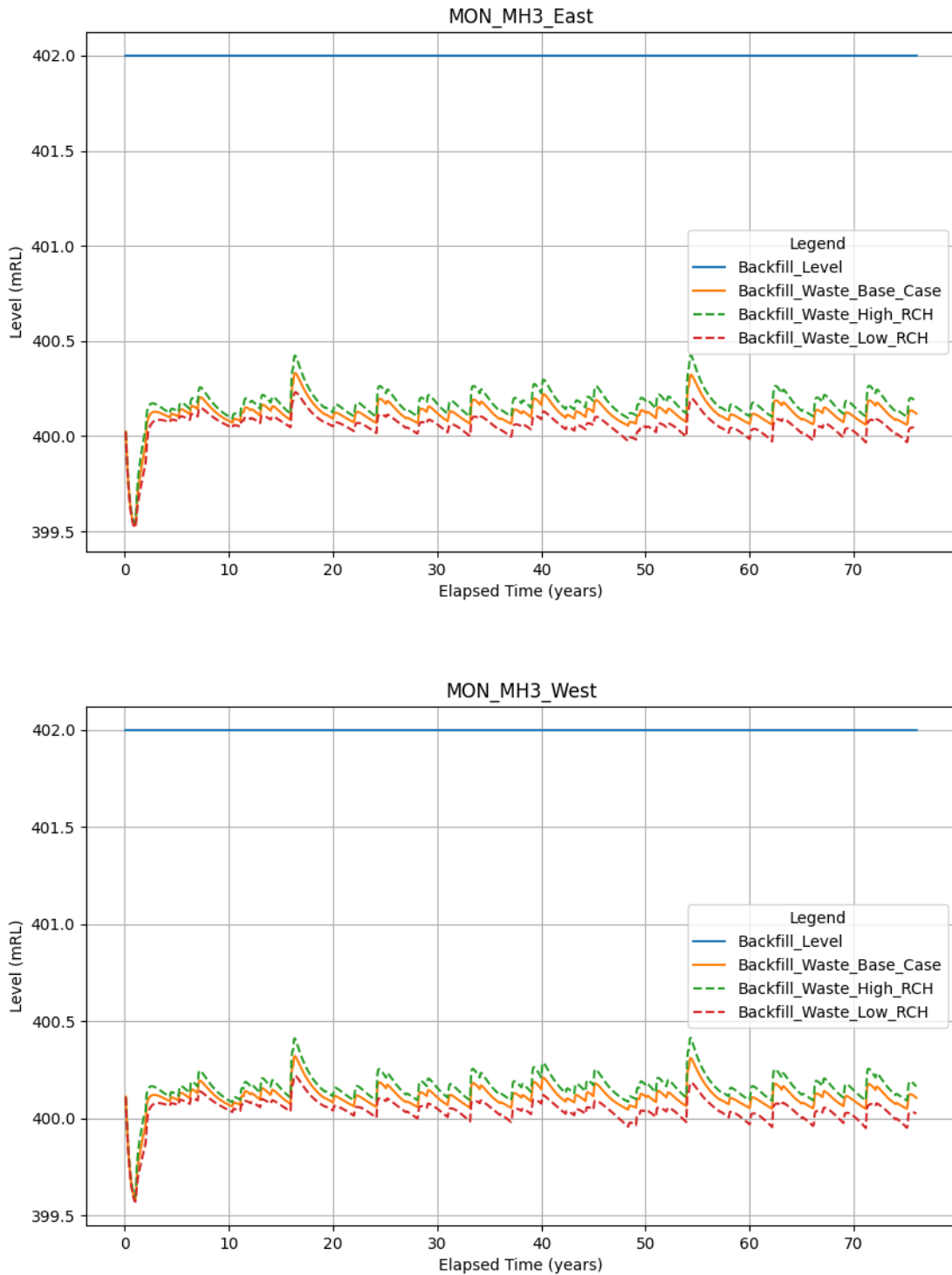


Figure B-21 Predicted pit water level recovery at Murray Hill



Closure Results – Base Case and Sensitivity Cases

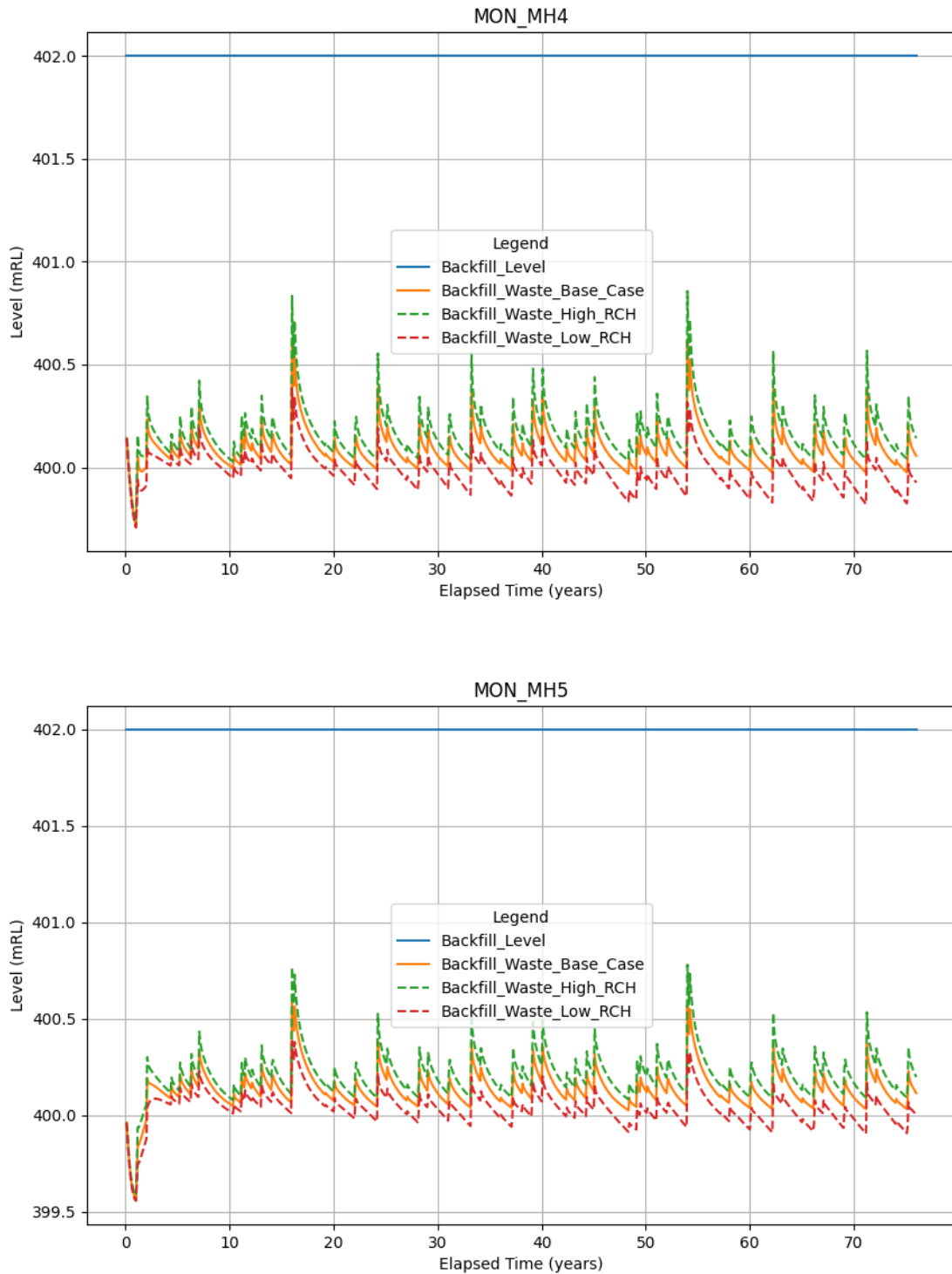


Figure B-22 Predicted pit water level recovery at Murray Hill



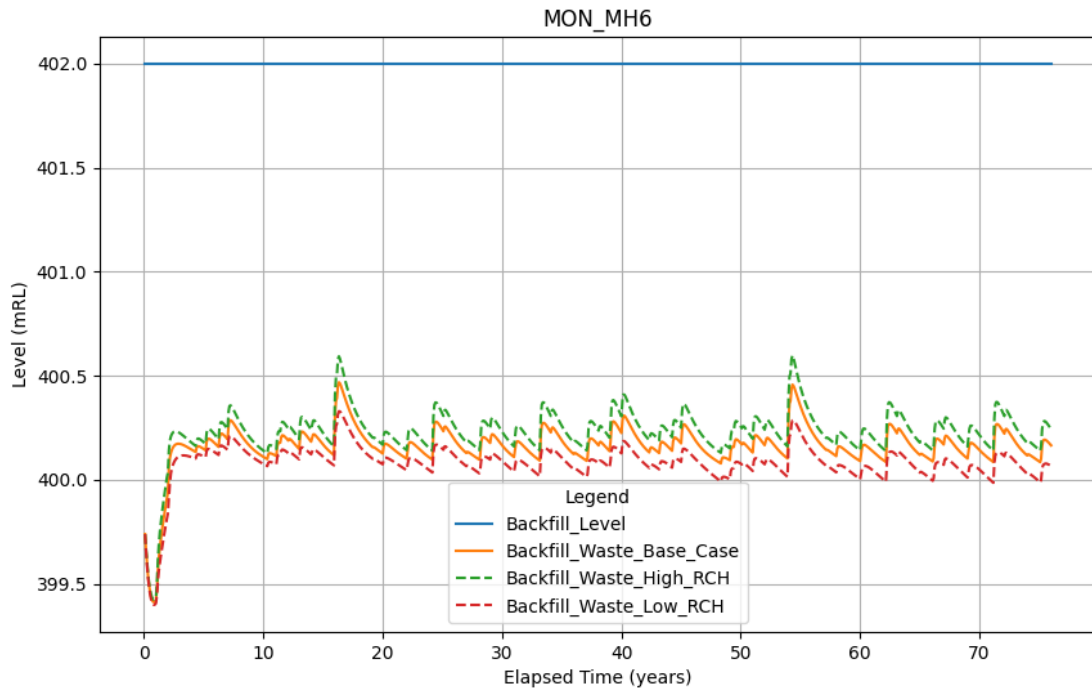


Figure B-23 Predicted pit water level recovery at Murray Hill



Closure Results – Base Case and Sensitivity Cases

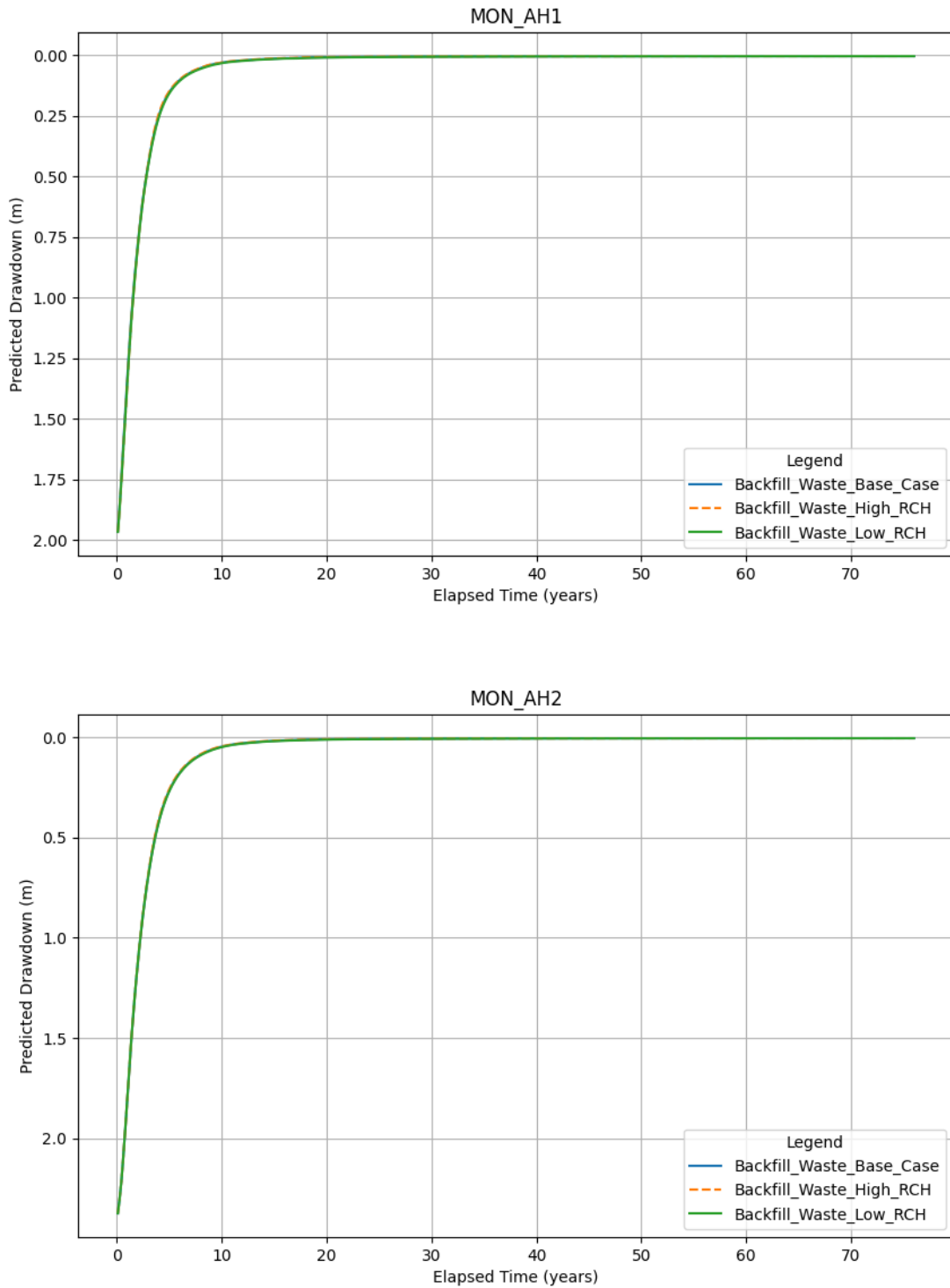


Figure B-24 Predicted aquifer recovery at Anticline Hill



Closure Results – Base Case and Sensitivity Cases

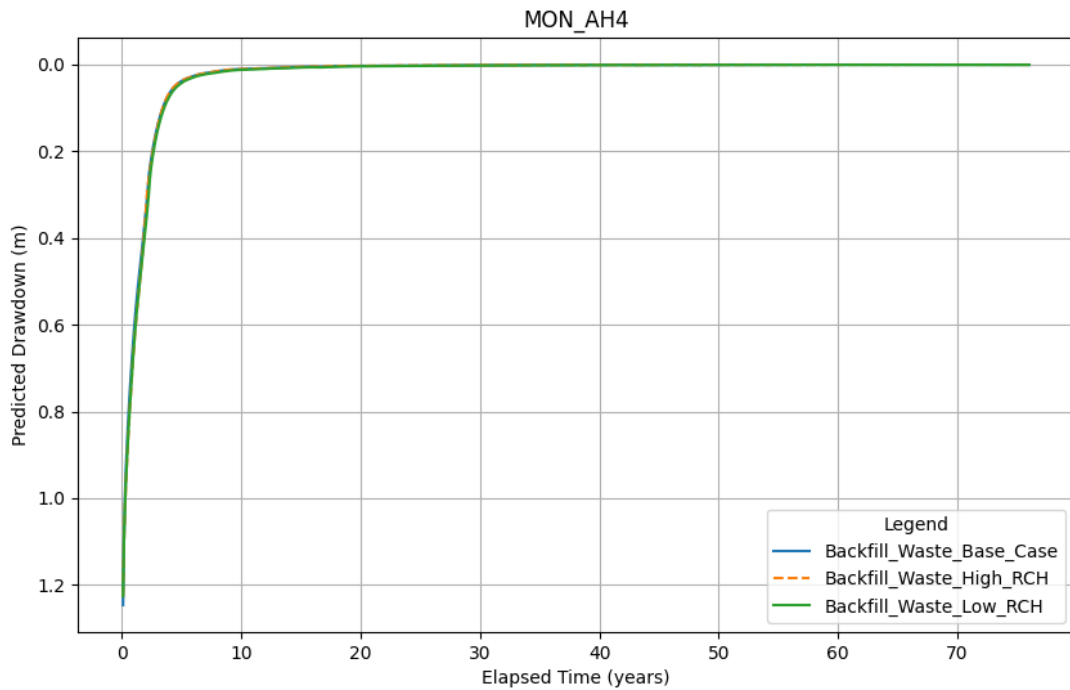
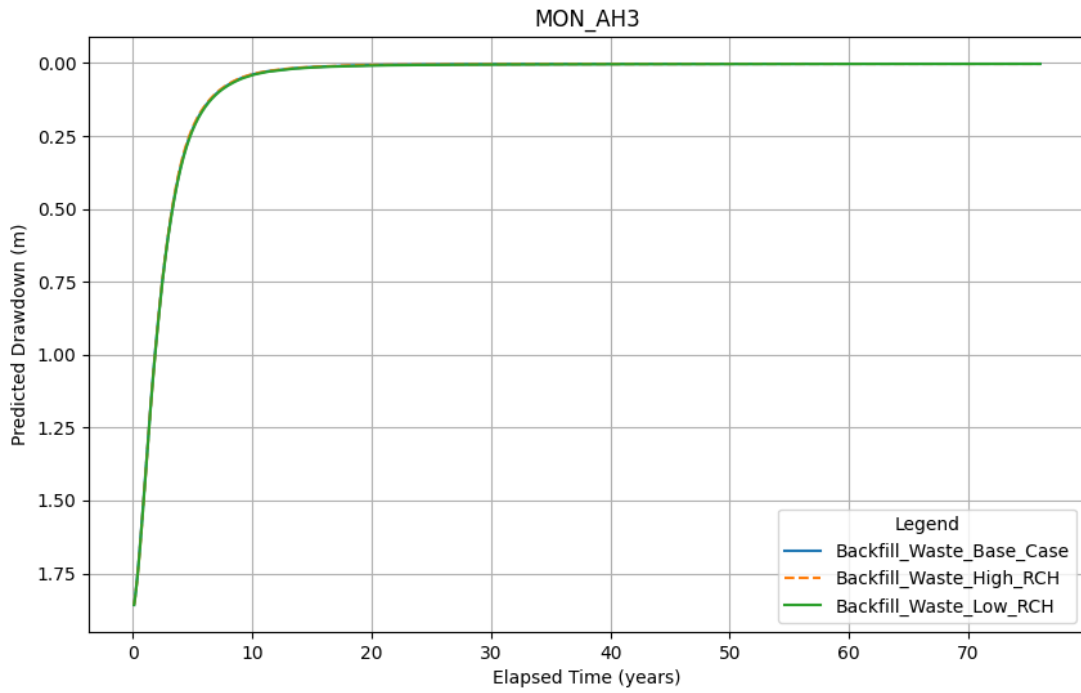


Figure B-25 Predicted aquifer recovery at Anticline Hill



Closure Results – Base Case and Sensitivity Cases

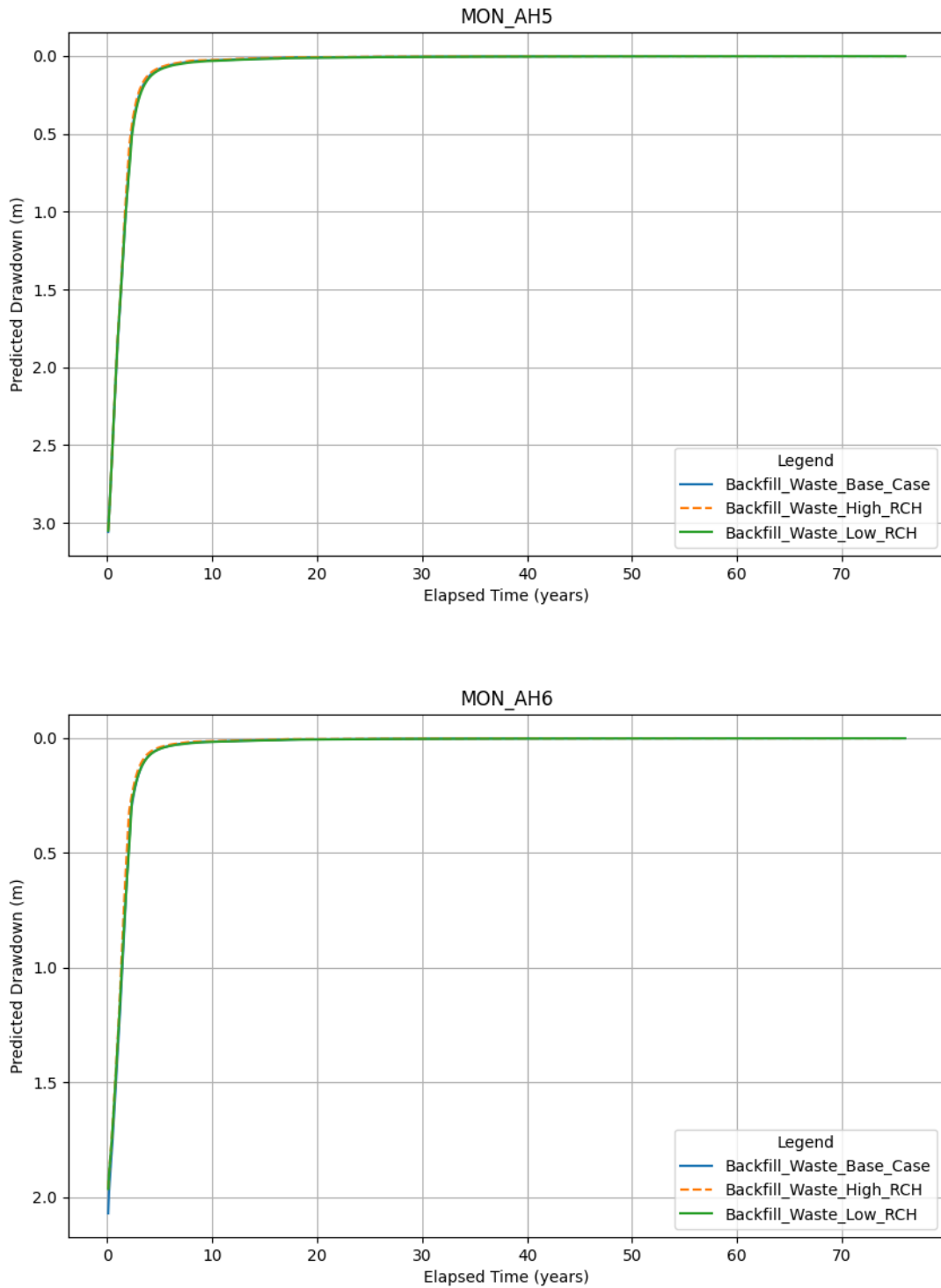


Figure B-26 Predicted aquifer recovery at Anticline Hill



Closure Results – Base Case and Sensitivity Cases

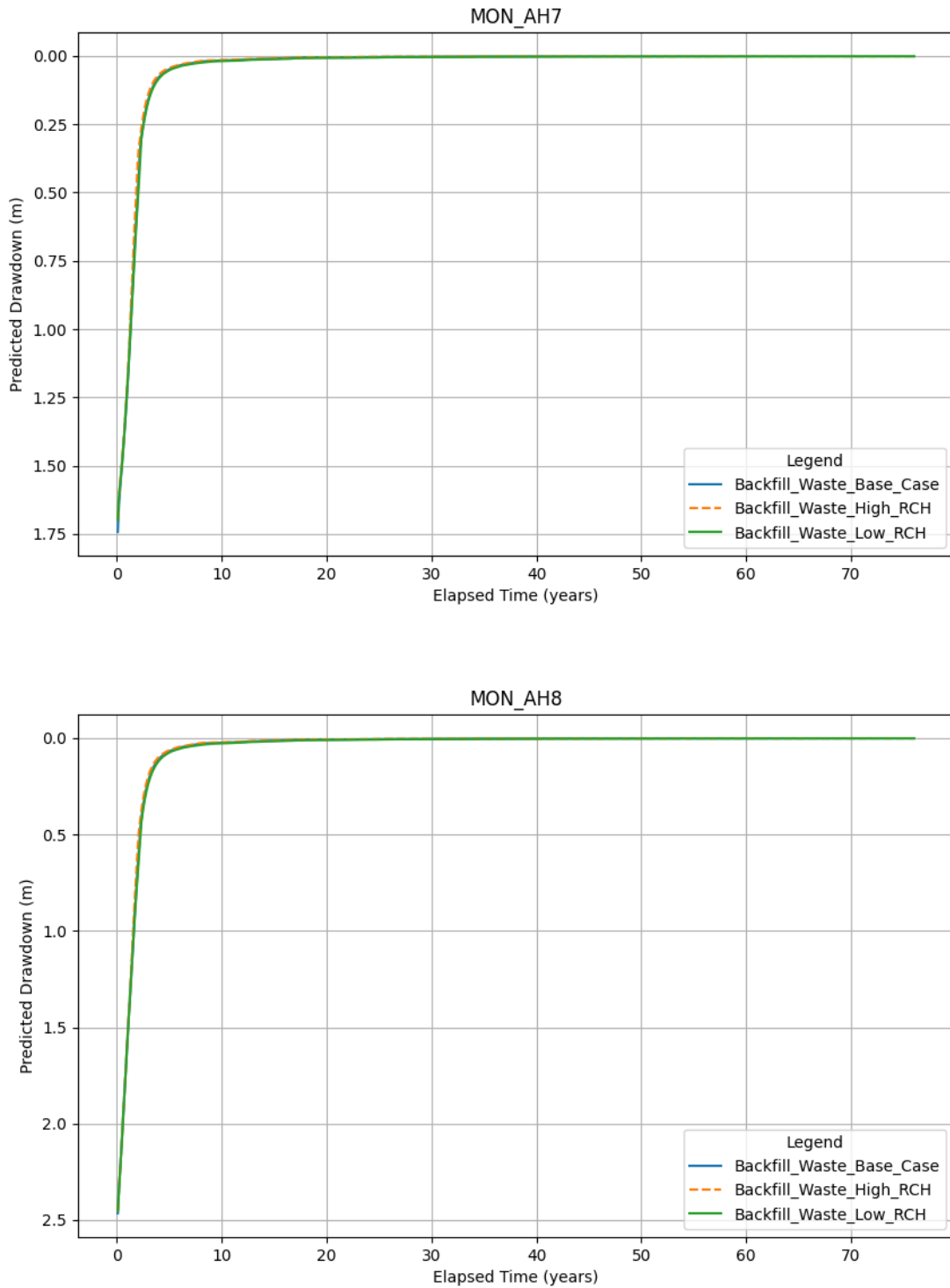


Figure B-27 Predicted aquifer recovery at Anticline Hill



Closure Results – Base Case and Sensitivity Cases

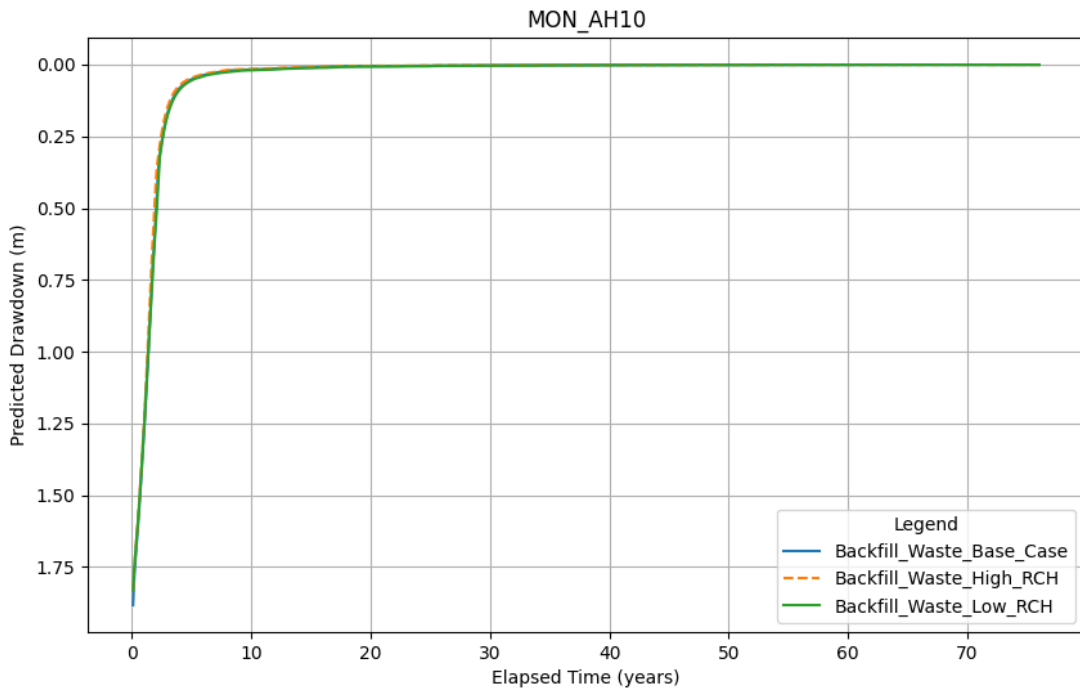
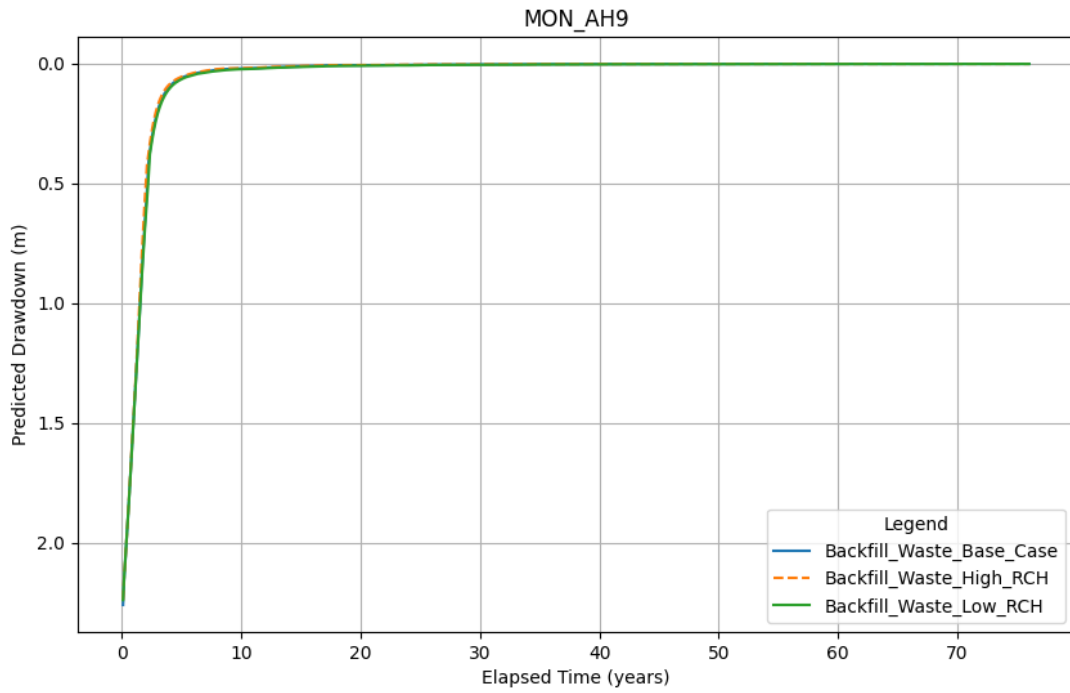


Figure B-28 Predicted aquifer recovery at Anticline Hill



Closure Results – Base Case and Sensitivity Cases

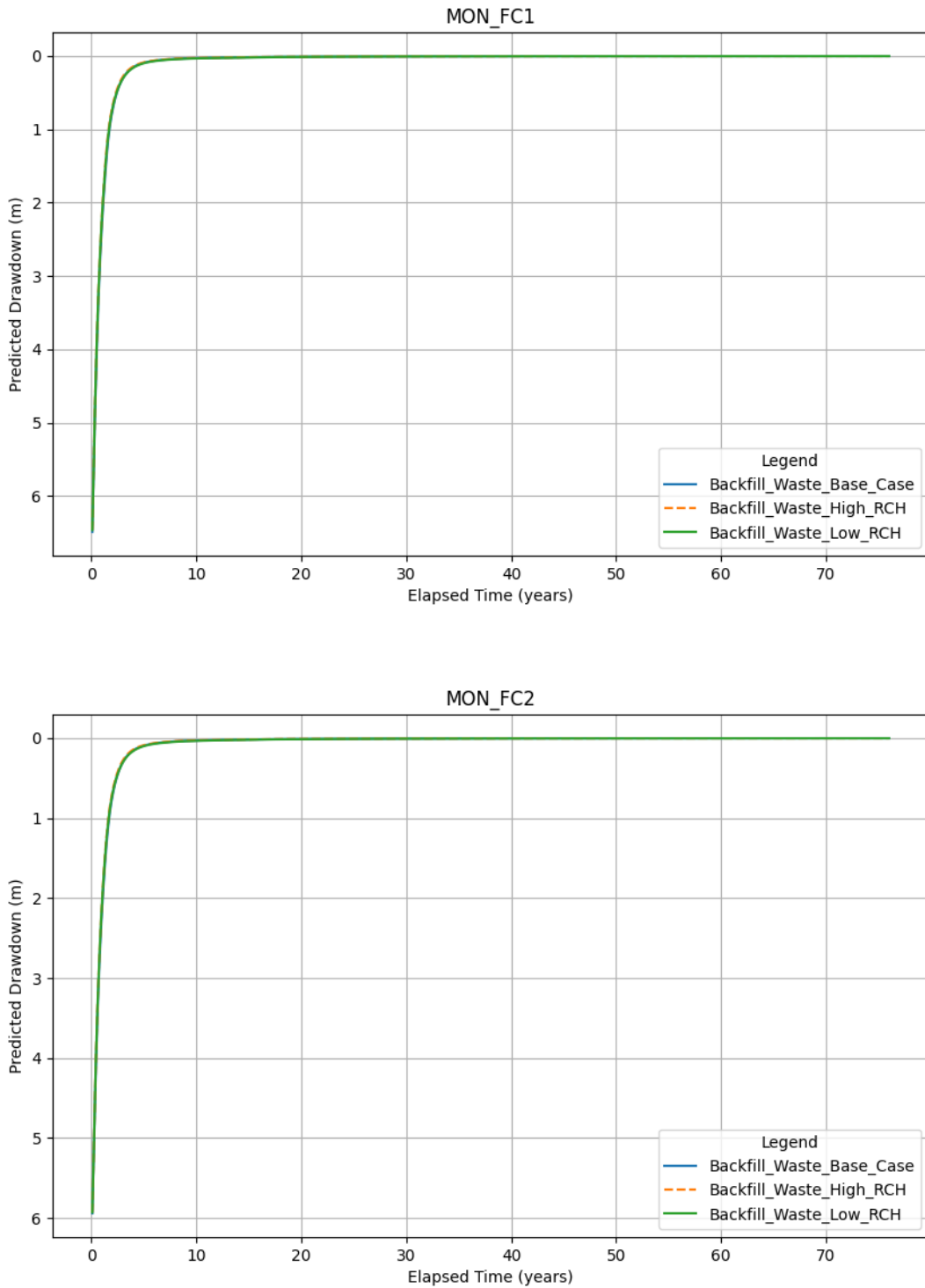


Figure B-29 Predicted aquifer recovery at Fridge Central



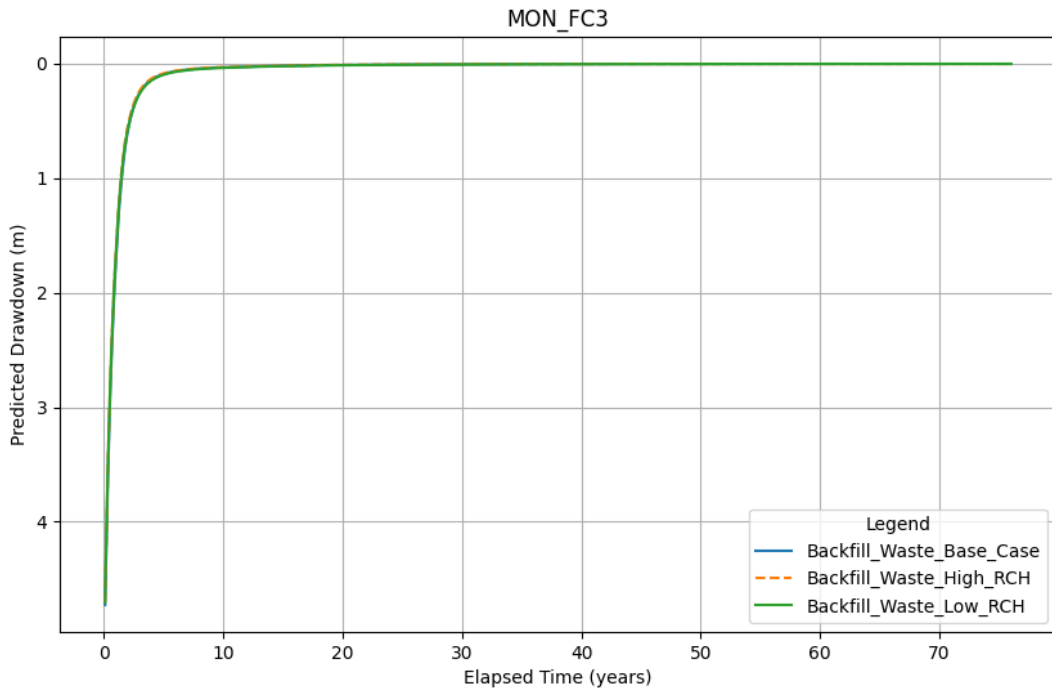


Figure B-30 Predicted aquifer recovery at Fridge Central

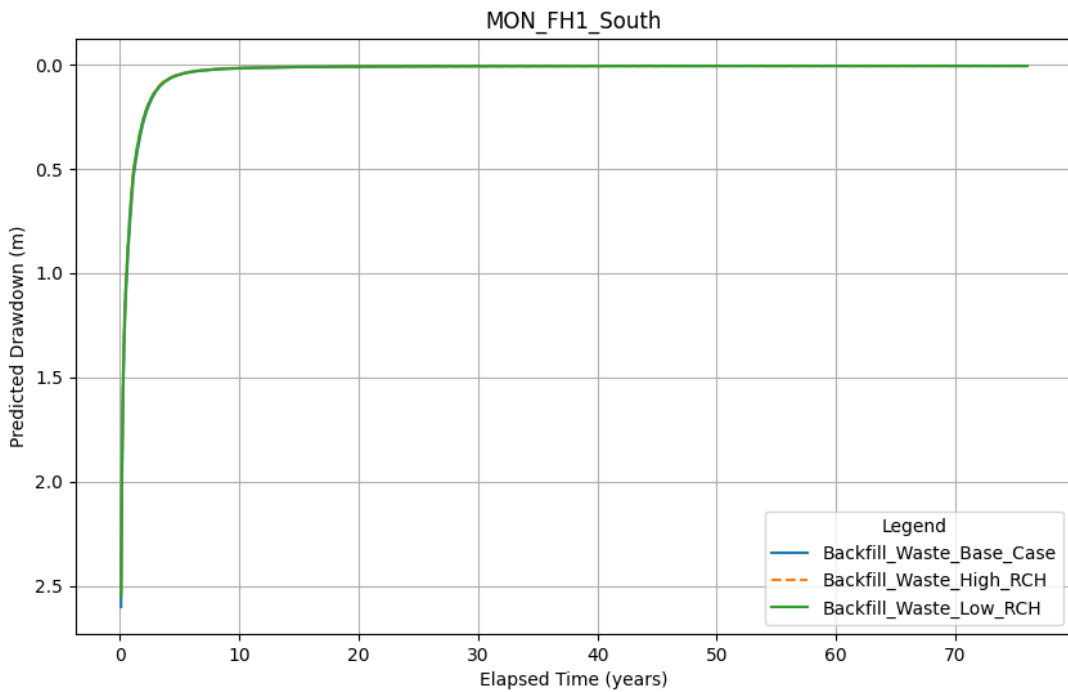


Figure B-31 Predicted aquifer recovery at Fridge Hill



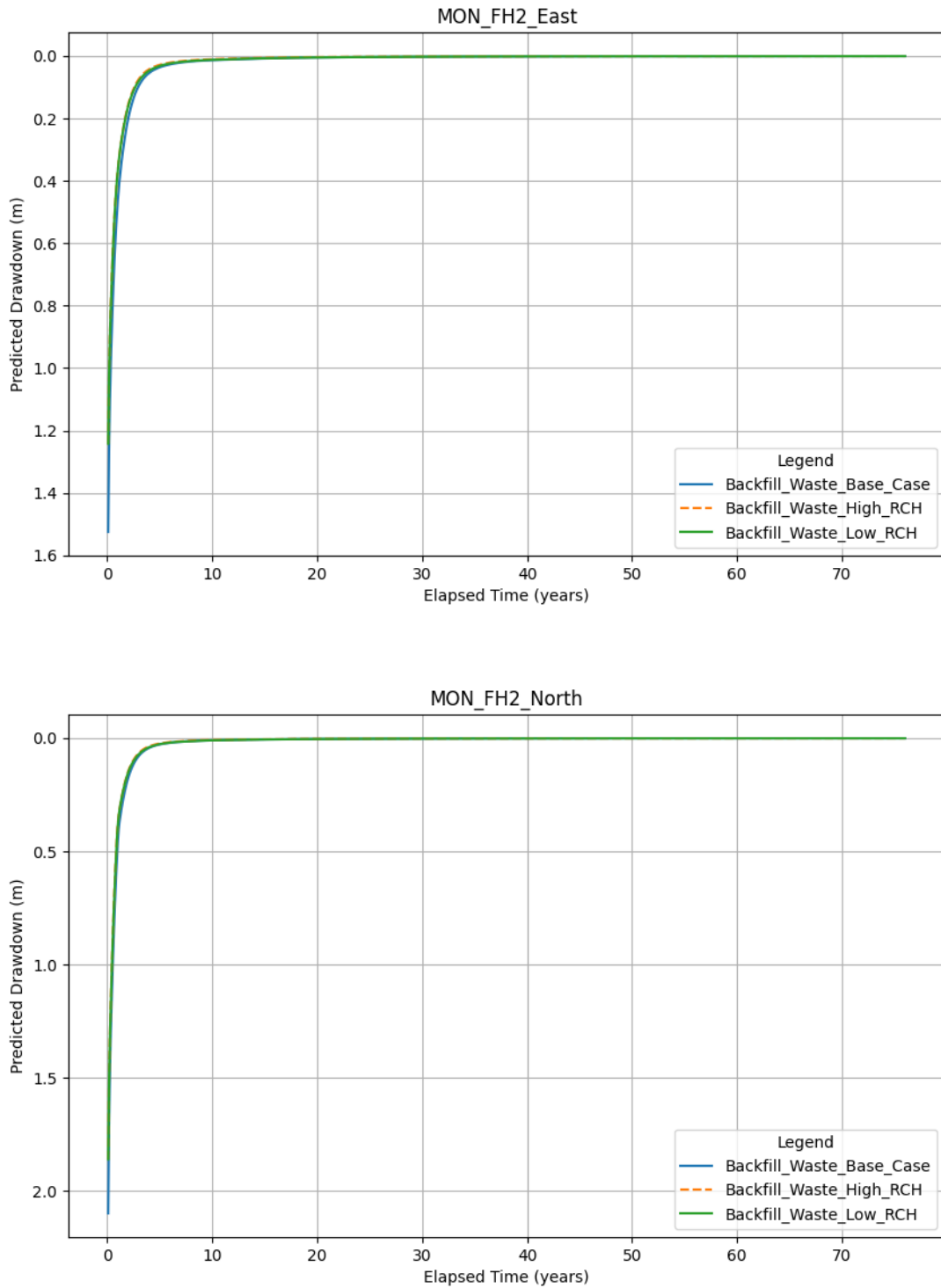


Figure B-32 Predicted aquifer recovery at Fridge Hill



Closure Results – Base Case and Sensitivity Cases

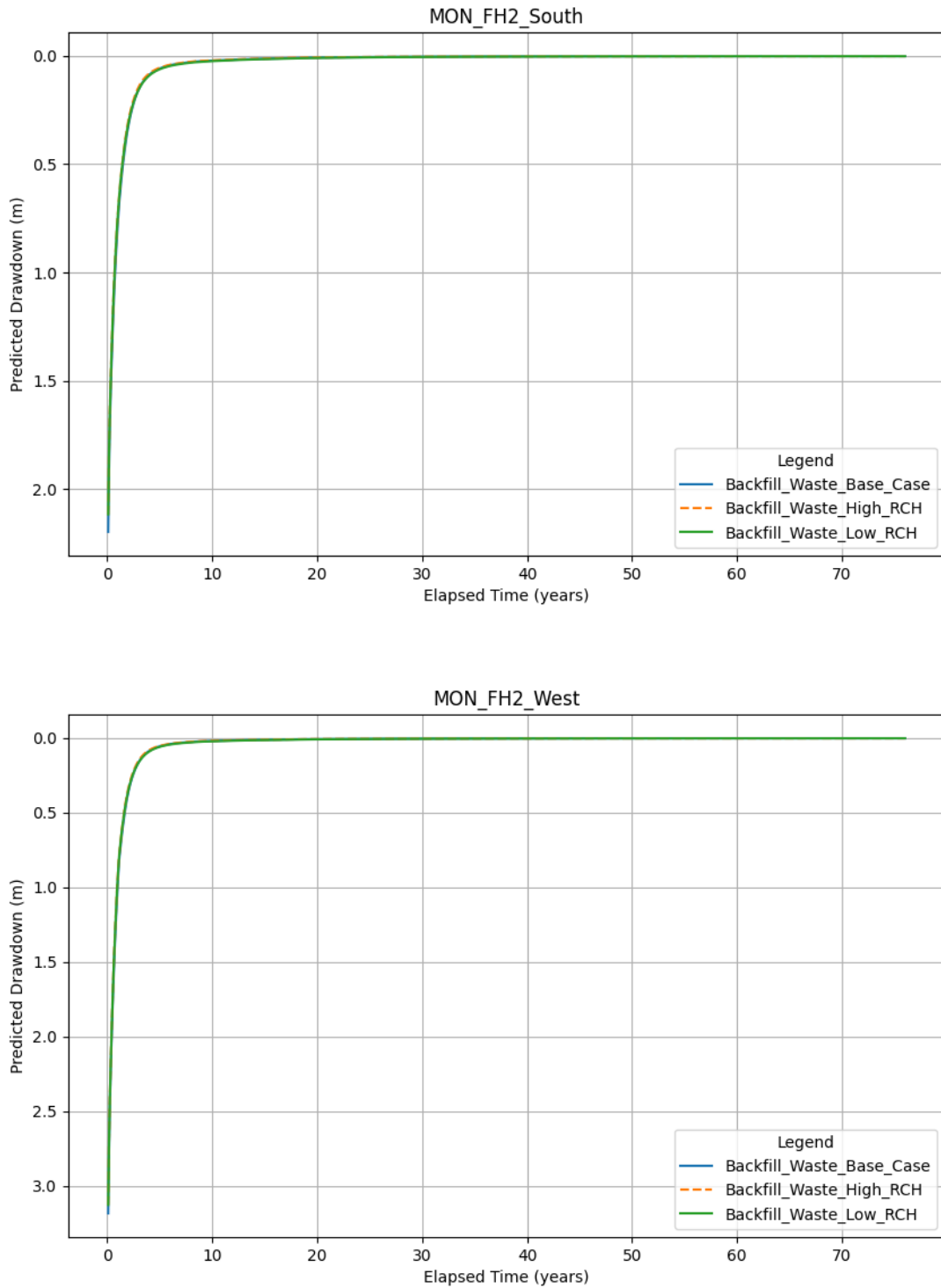


Figure B-33 Predicted aquifer recovery at Fridge Hill



Closure Results – Base Case and Sensitivity Cases

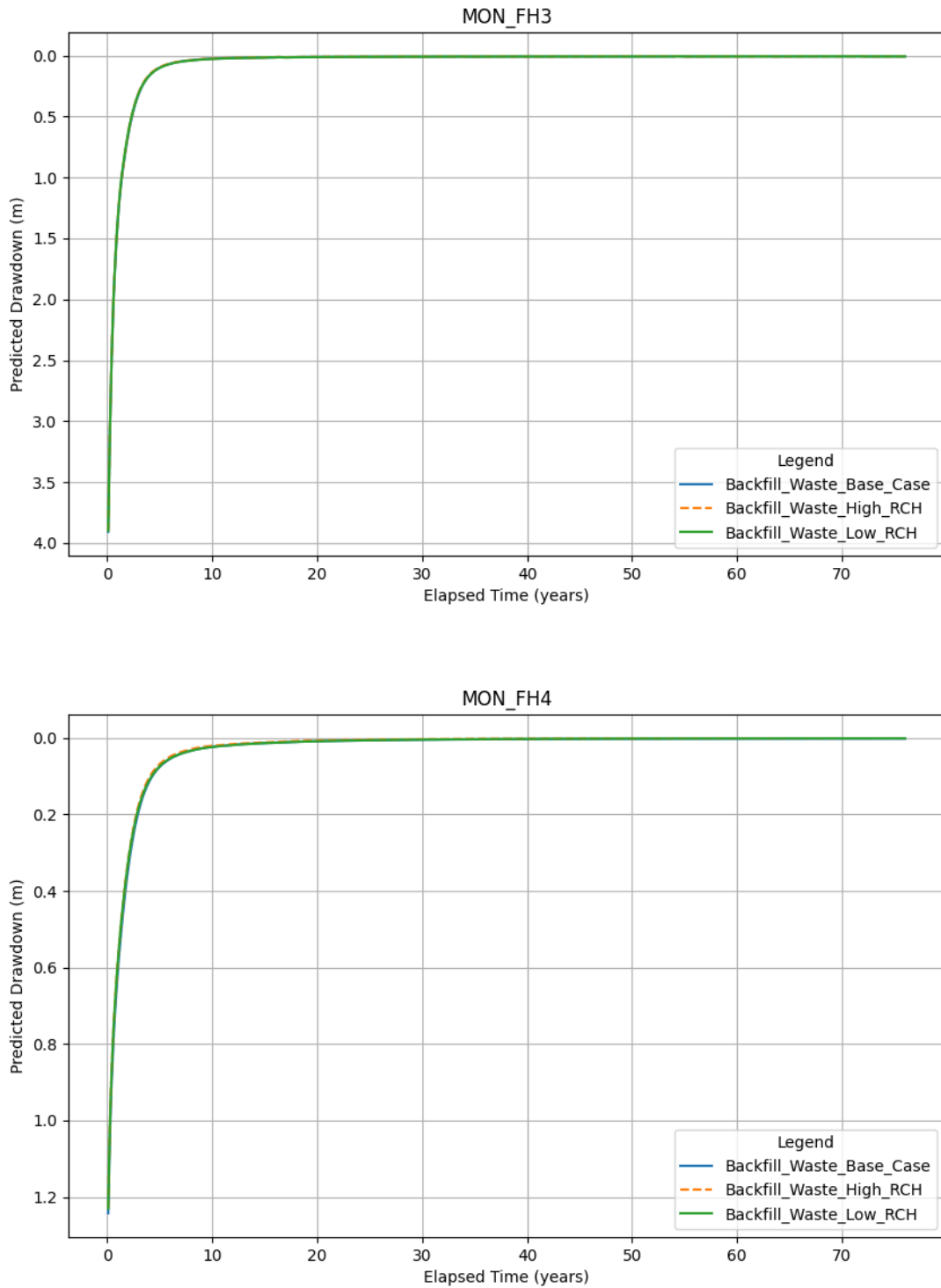


Figure B-34 Predicted aquifer recovery at Fridge Hill



Closure Results – Base Case and Sensitivity Cases

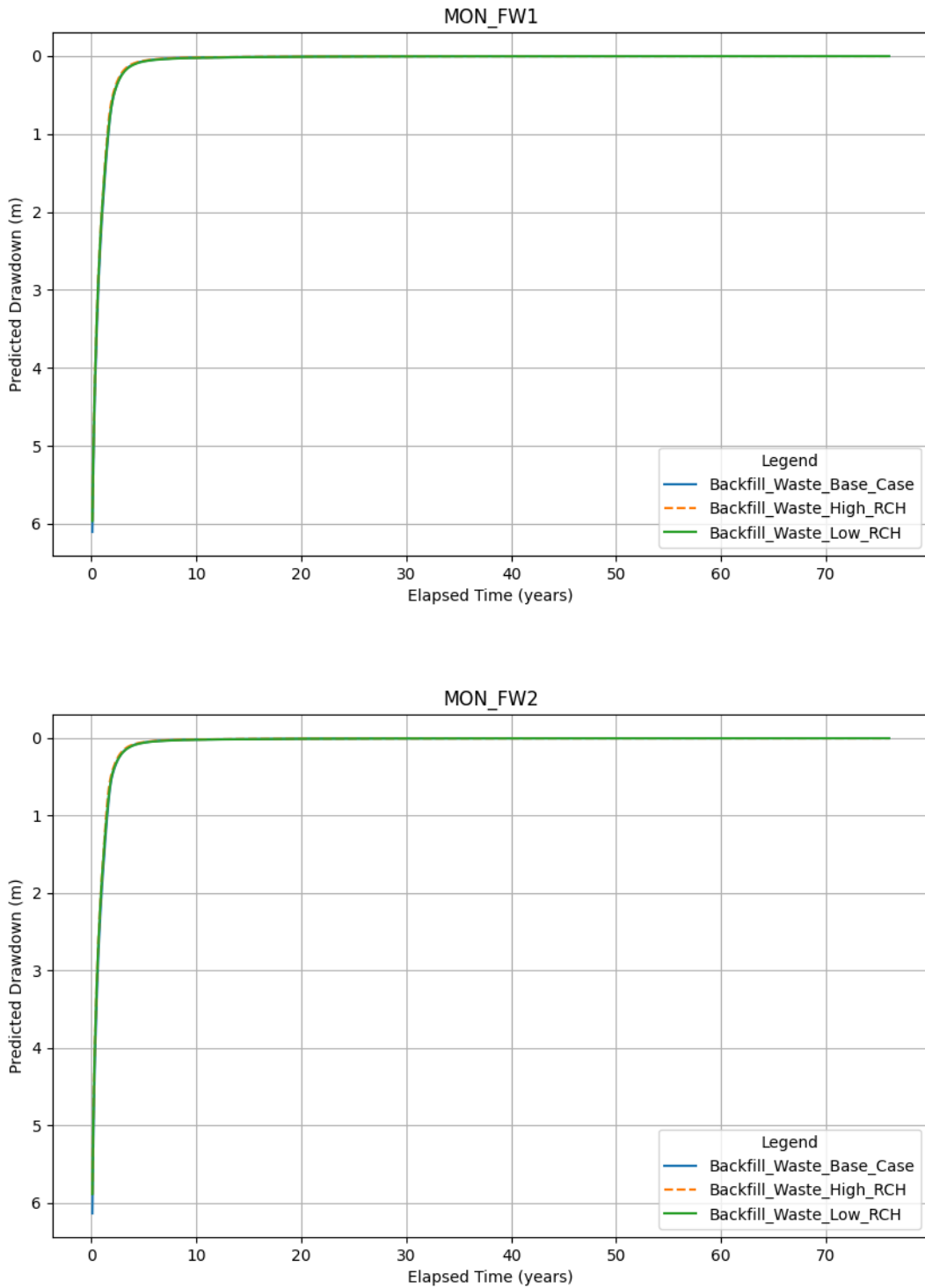


Figure B-35 Predicted aquifer recovery at Fridge West



Closure Results – Base Case and Sensitivity Cases

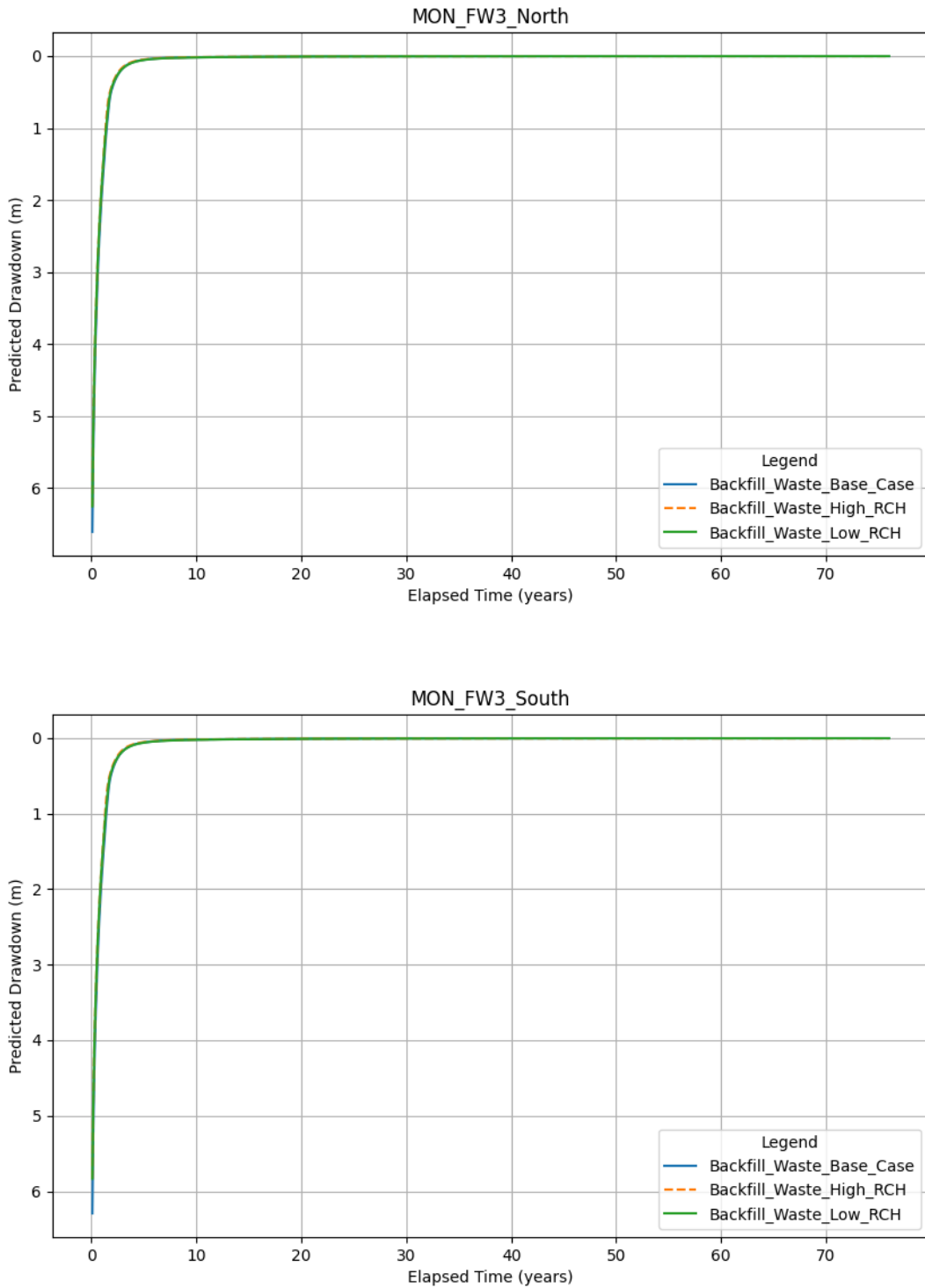


Figure B-36 Predicted aquifer recovery at Fridge West



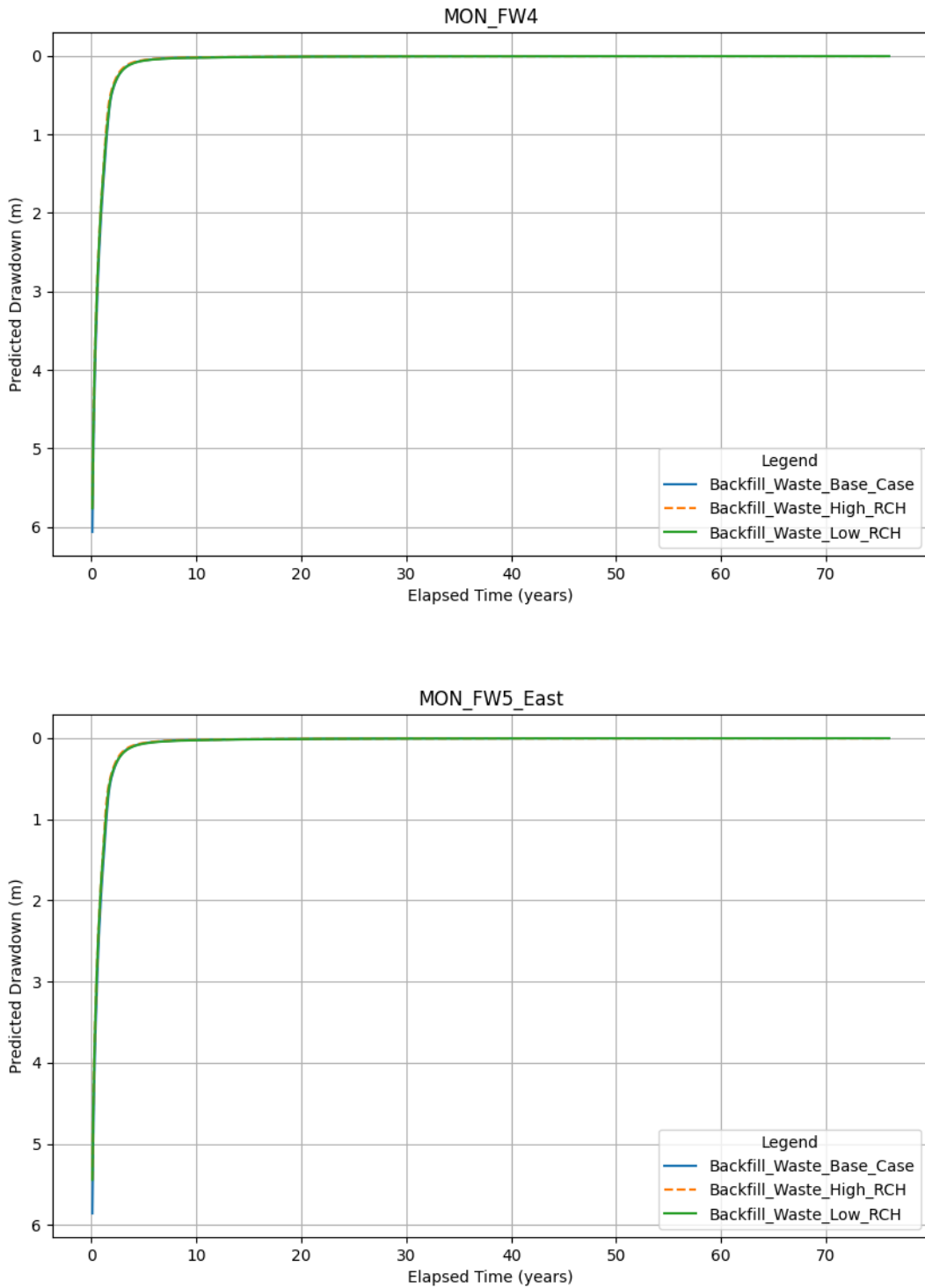


Figure B-37 Predicted aquifer recovery at Fridge West



Closure Results – Base Case and Sensitivity Cases

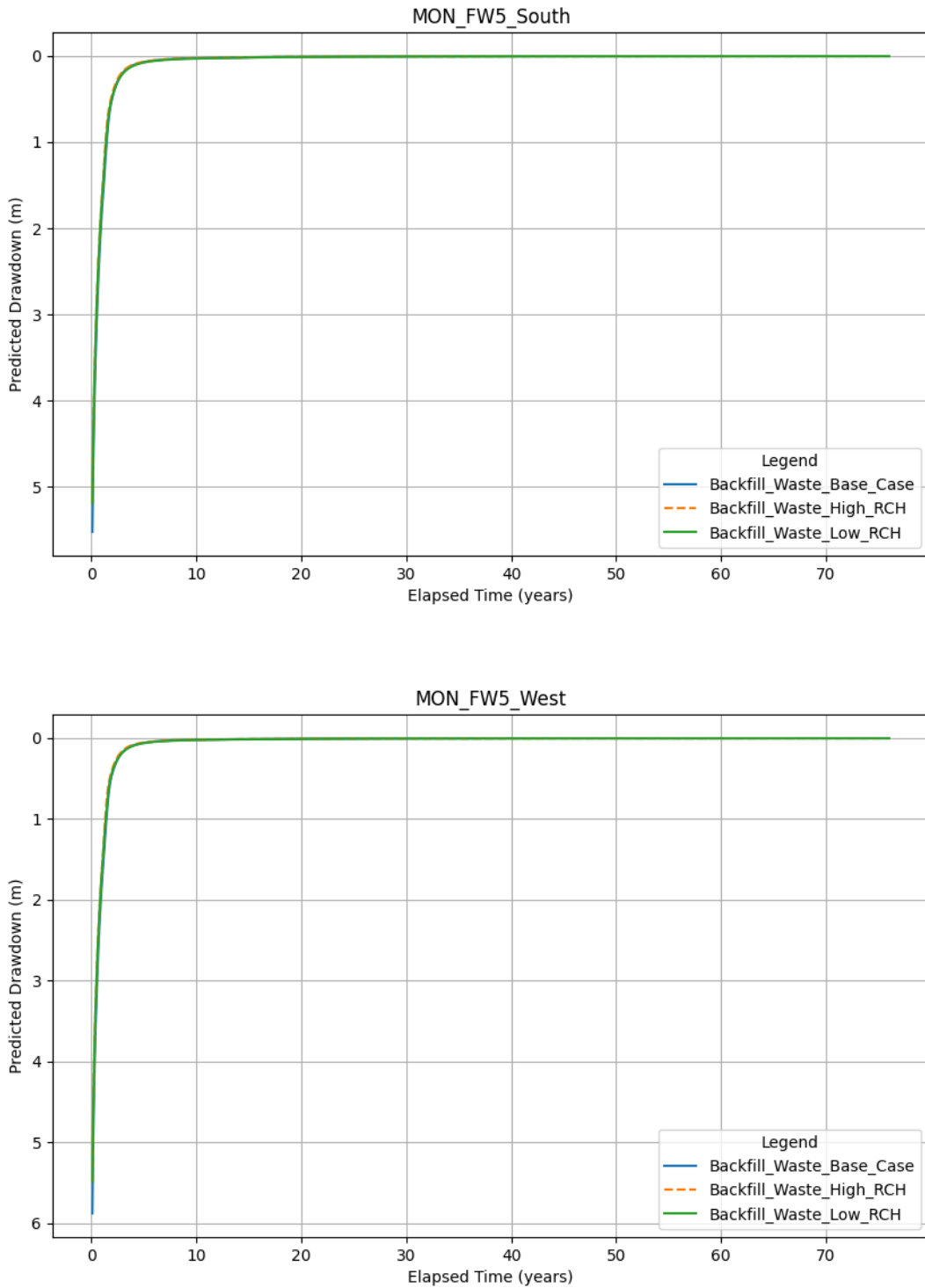


Figure B-38 Predicted aquifer recovery at Fridge West



Closure Results – Base Case and Sensitivity Cases

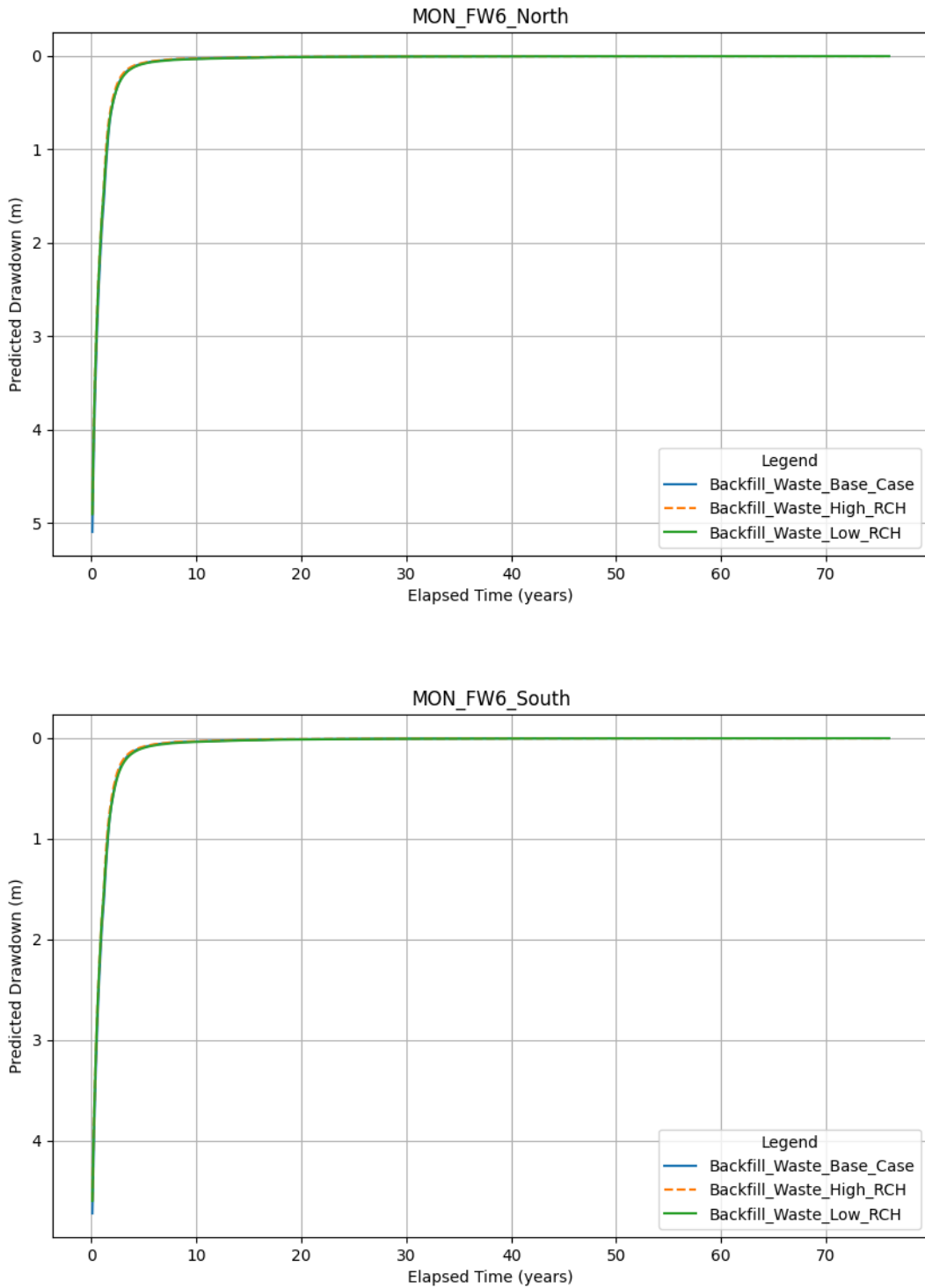


Figure B-39 Predicted aquifer recovery at Fridge West



Closure Results – Base Case and Sensitivity Cases

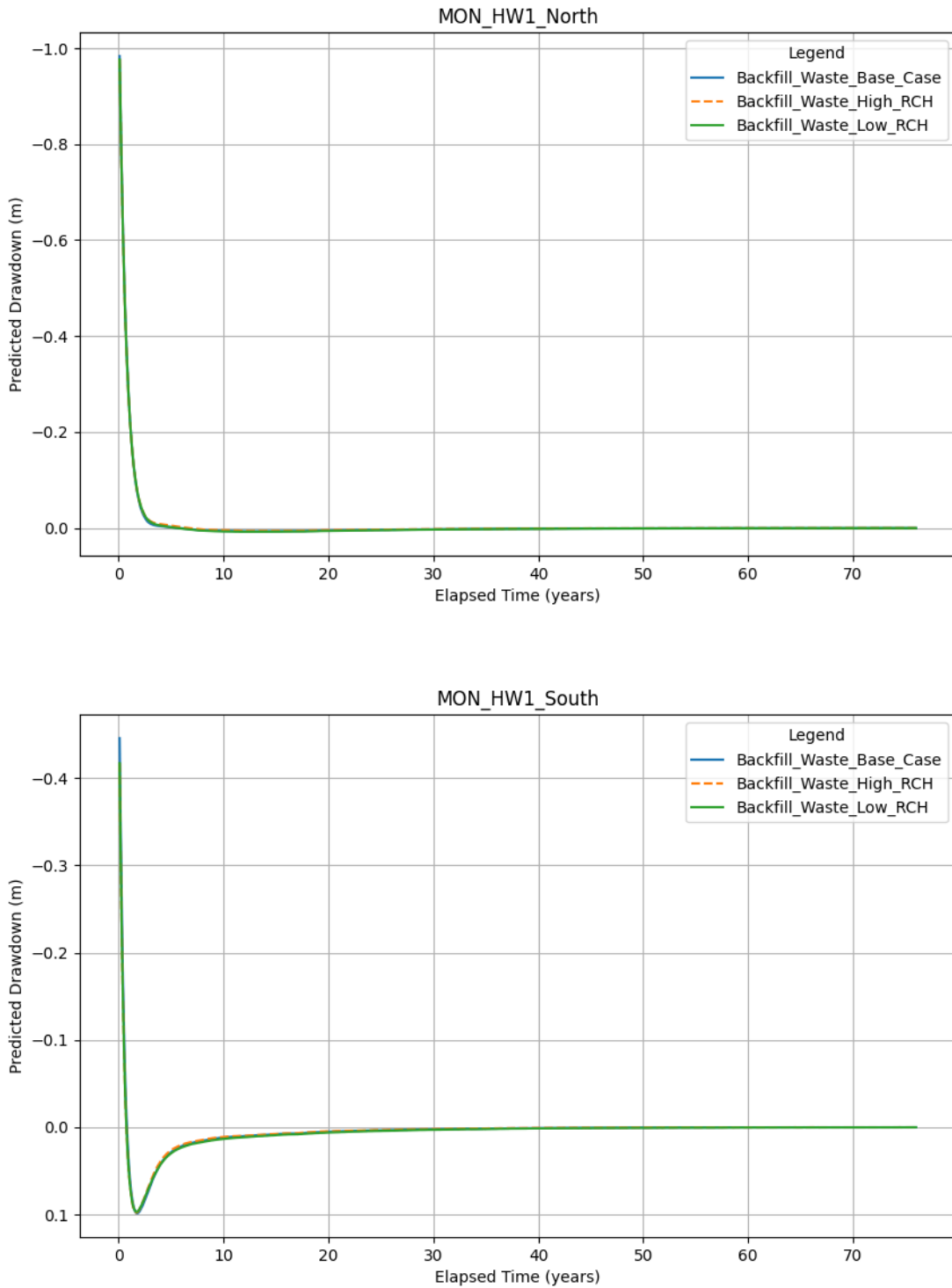


Figure B-40 Predicted aquifer recovery at Horseshoe West



Closure Results – Base Case and Sensitivity Cases

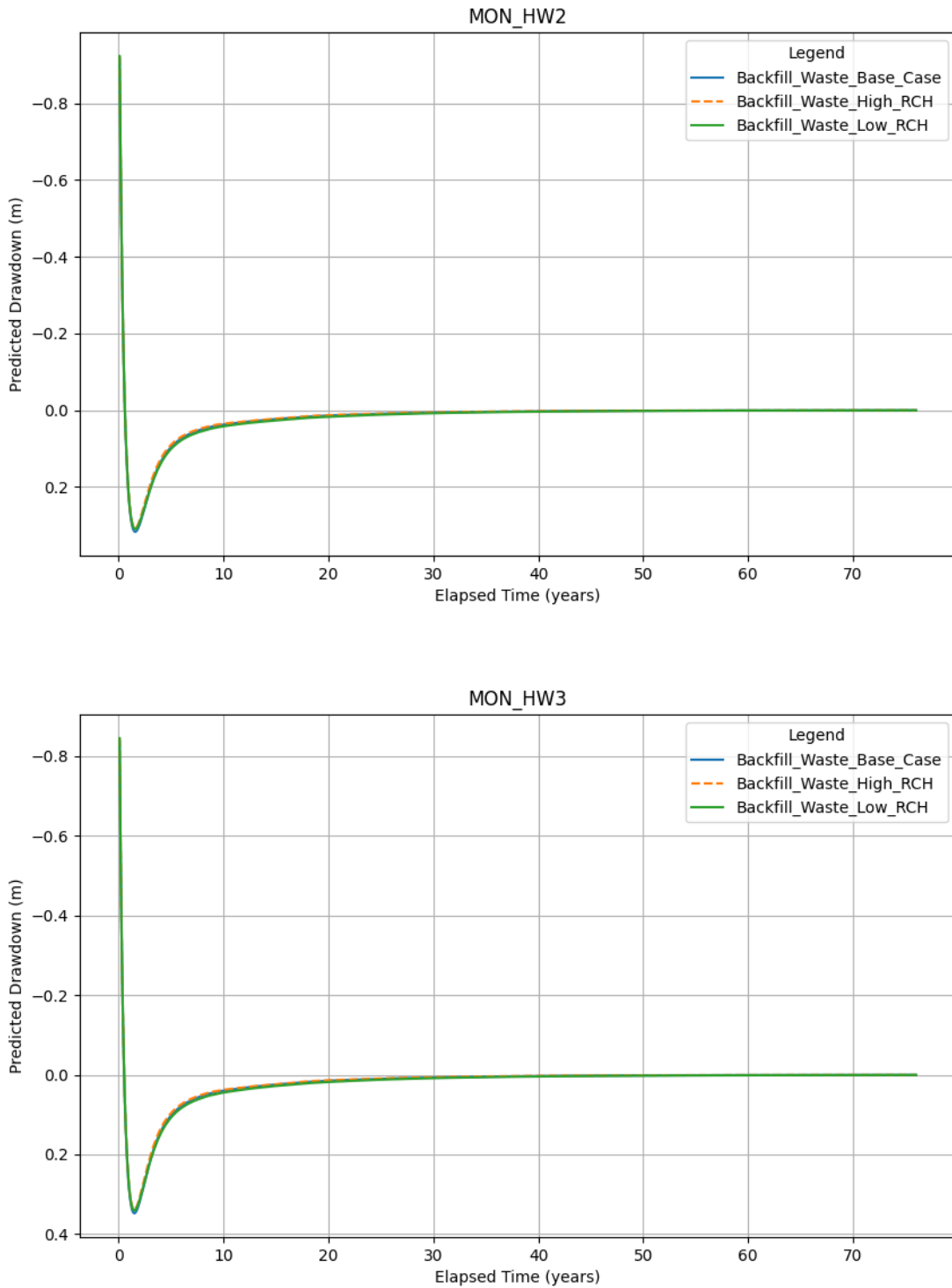


Figure B-41 Predicted aquifer recovery at Horseshoe West



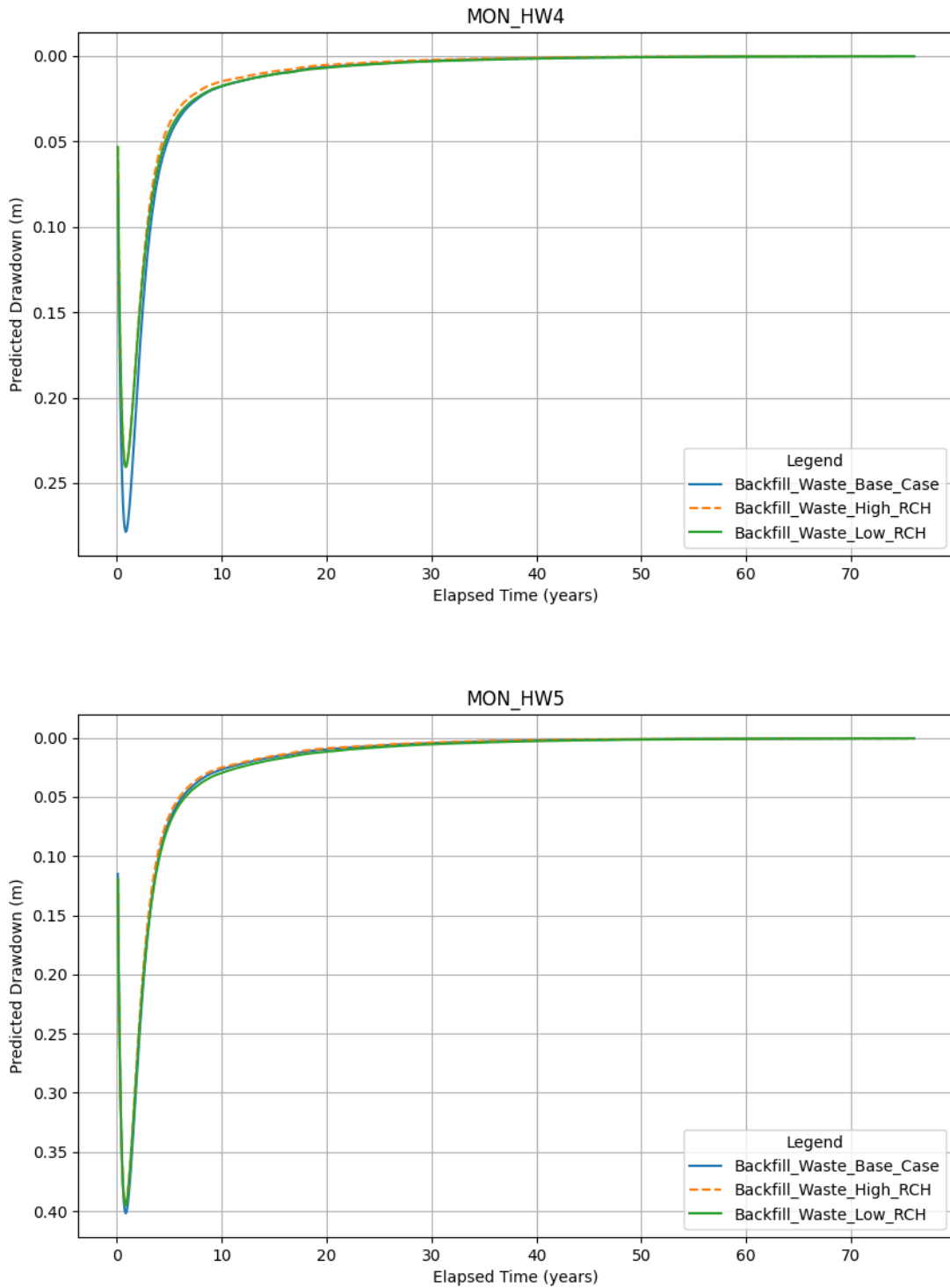


Figure B-42 Predicted aquifer recovery at Horseshoe West



Closure Results – Base Case and Sensitivity Cases

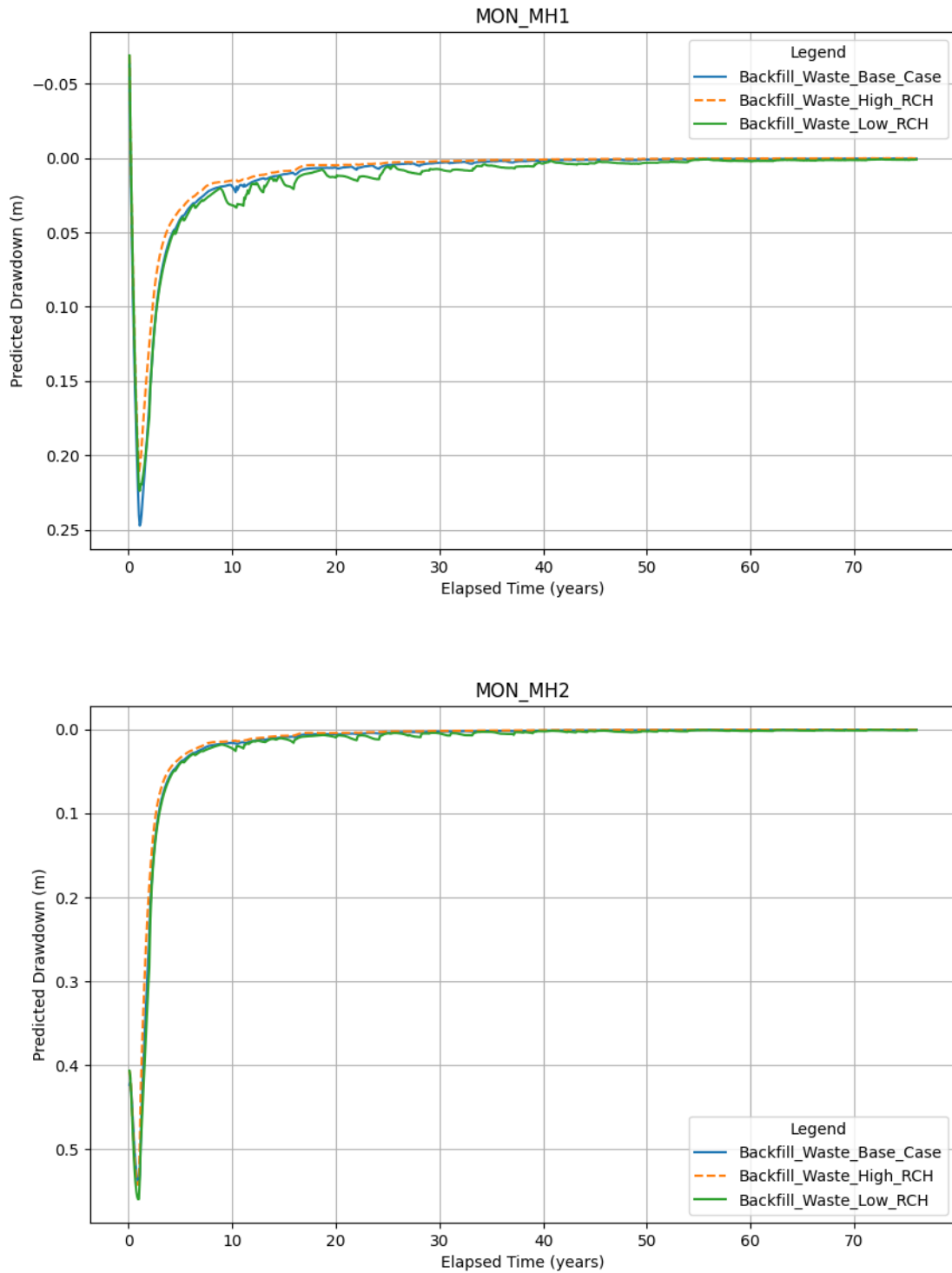


Figure B-43 Predicted aquifer recovery at Murray Hill



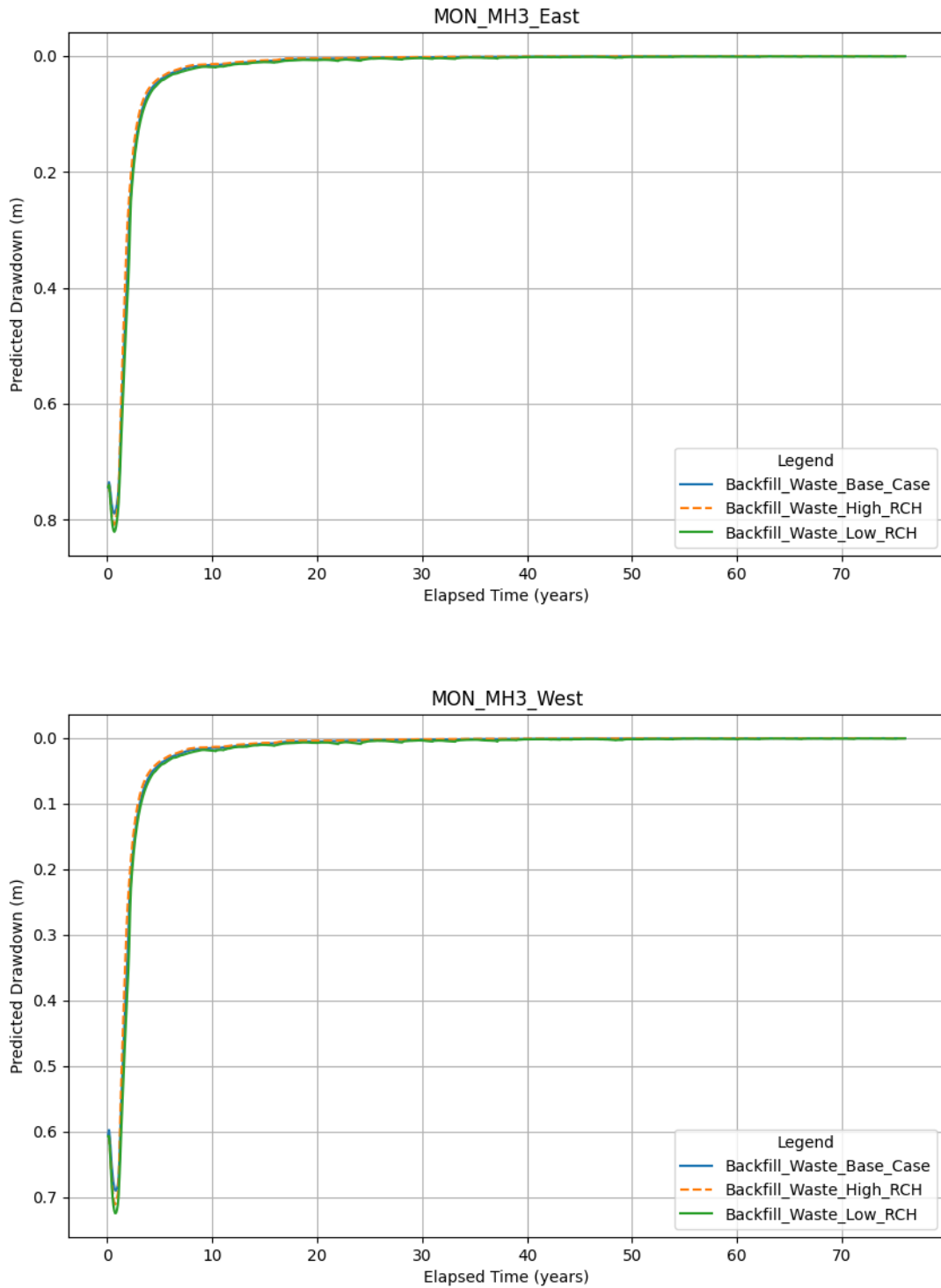


Figure B-44 Predicted aquifer recovery at Murray Hill



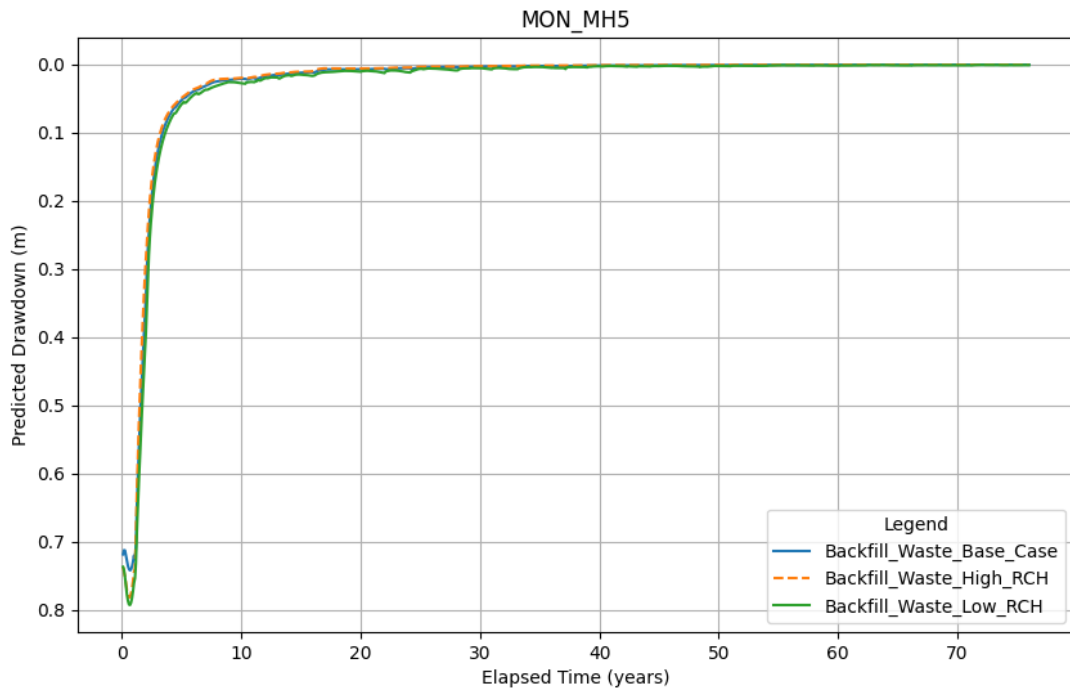
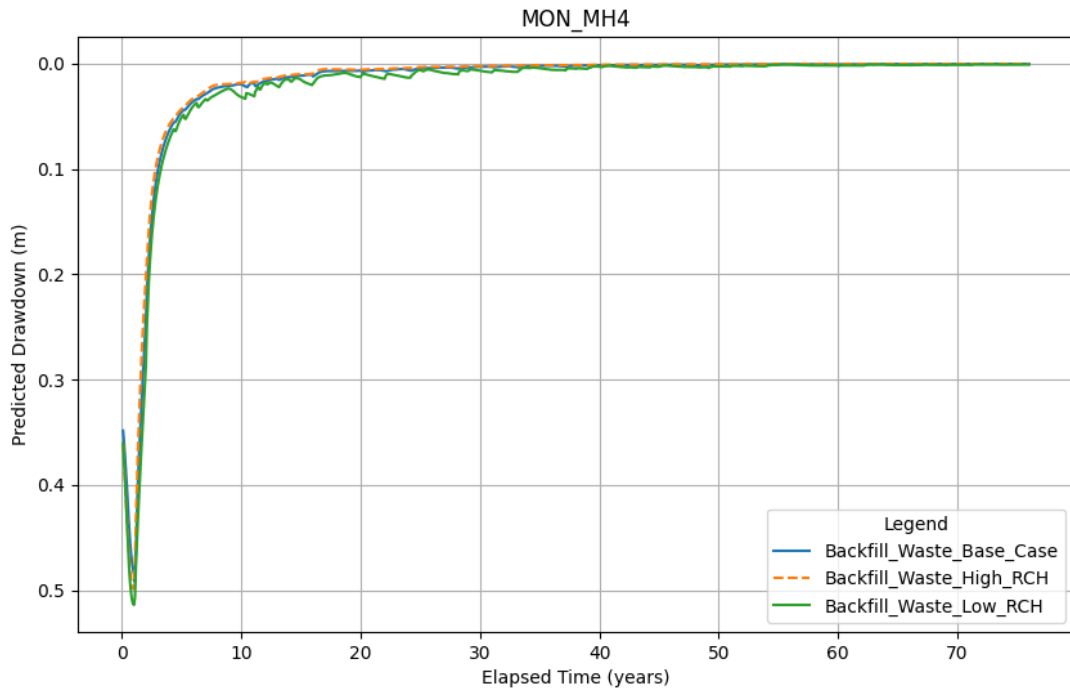


Figure B-45 Predicted aquifer recovery at Murray Hill



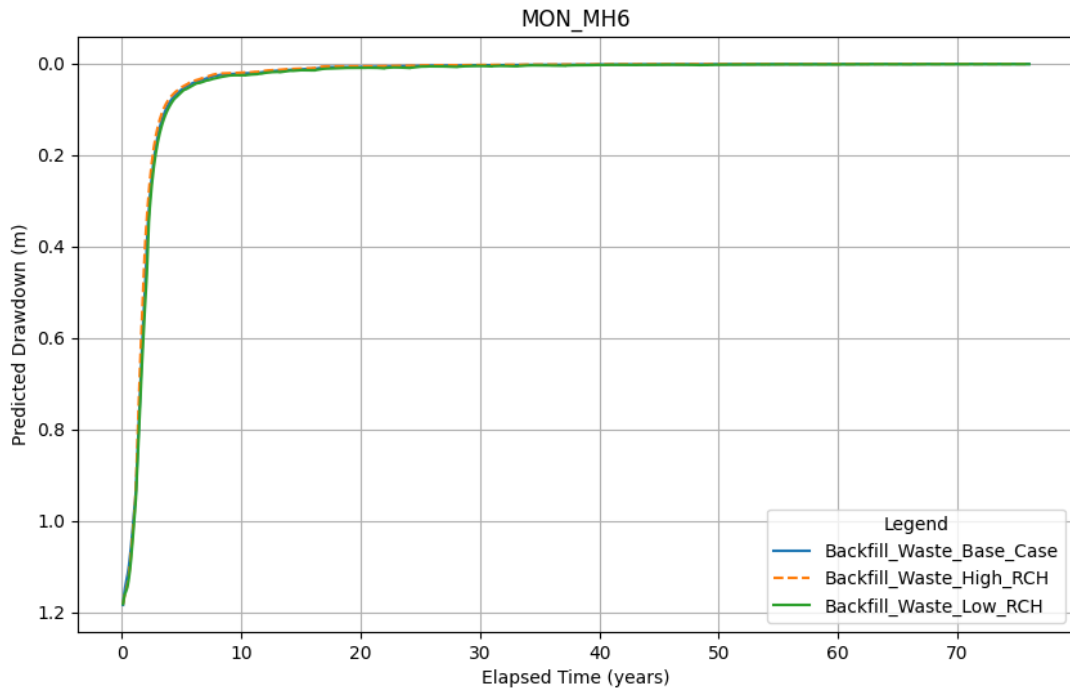


Figure B-46 Predicted aquifer recovery at Murray Hill

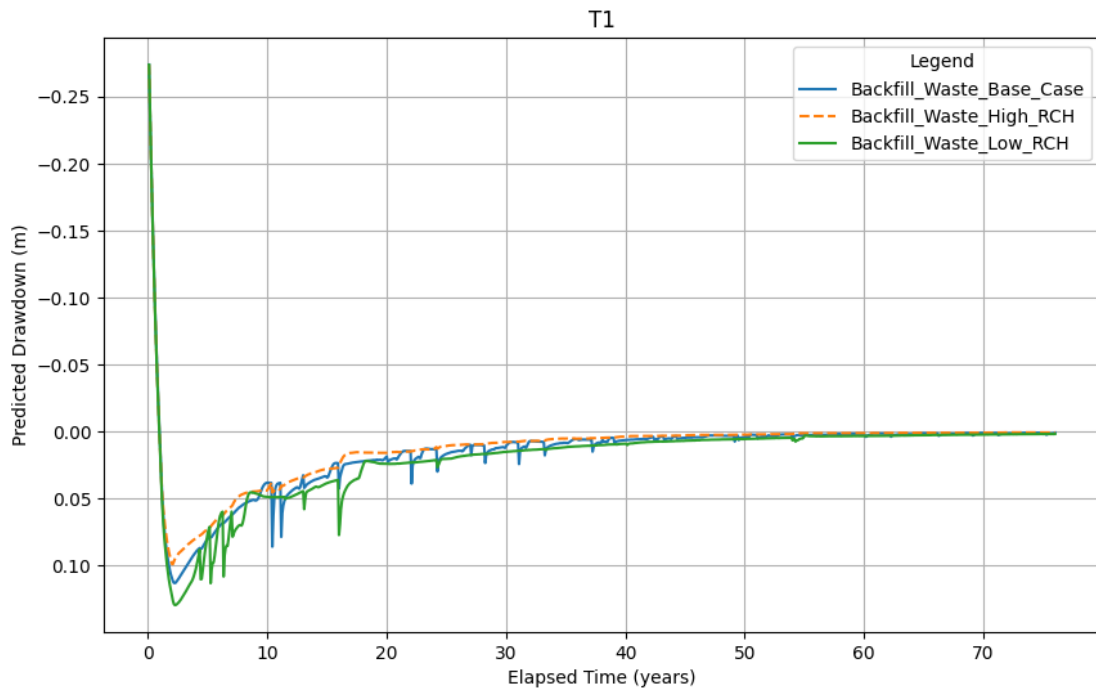


Figure B-47 Predicted aquifer recovery at T1 (Murray West MAR area)



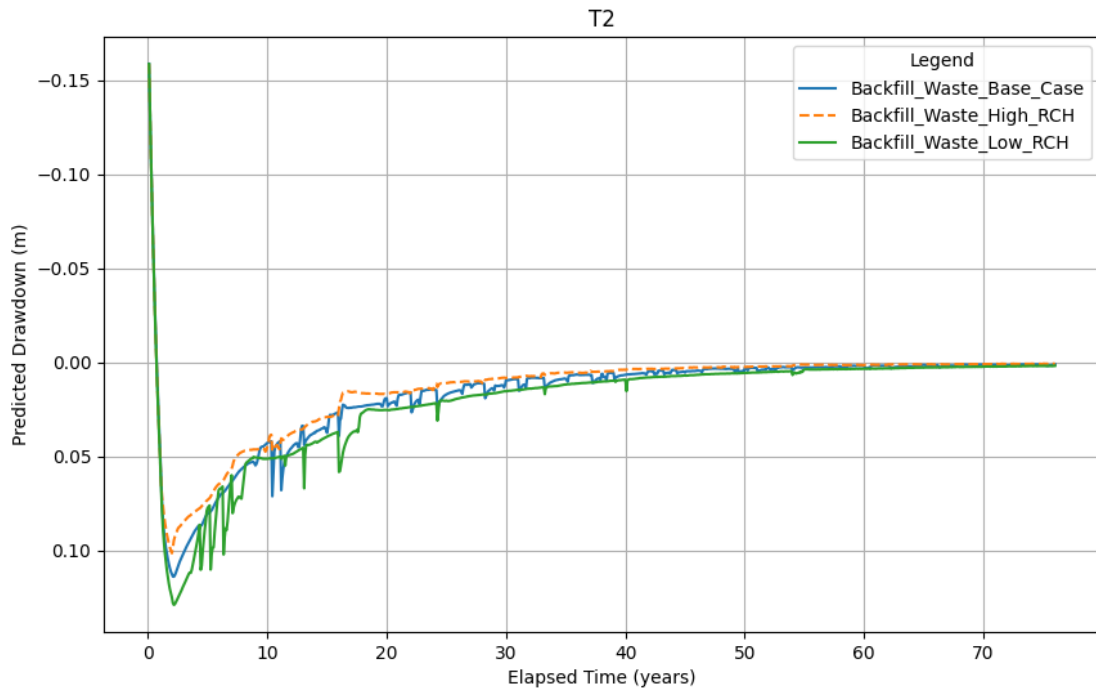


Figure B-48 Predicted aquifer recovery at T2 (valley between Murray West & Koojeeppindarranna claypan)

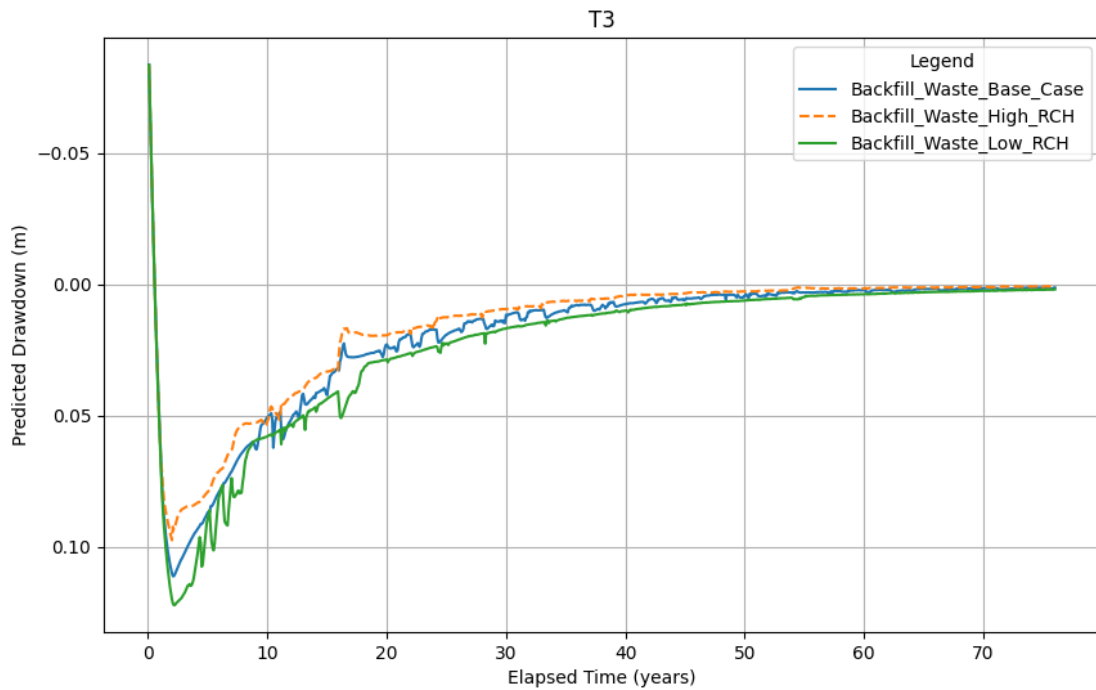


Figure B-49 Predicted aquifer recovery at T3 (Koojeeppindarranna claypan)



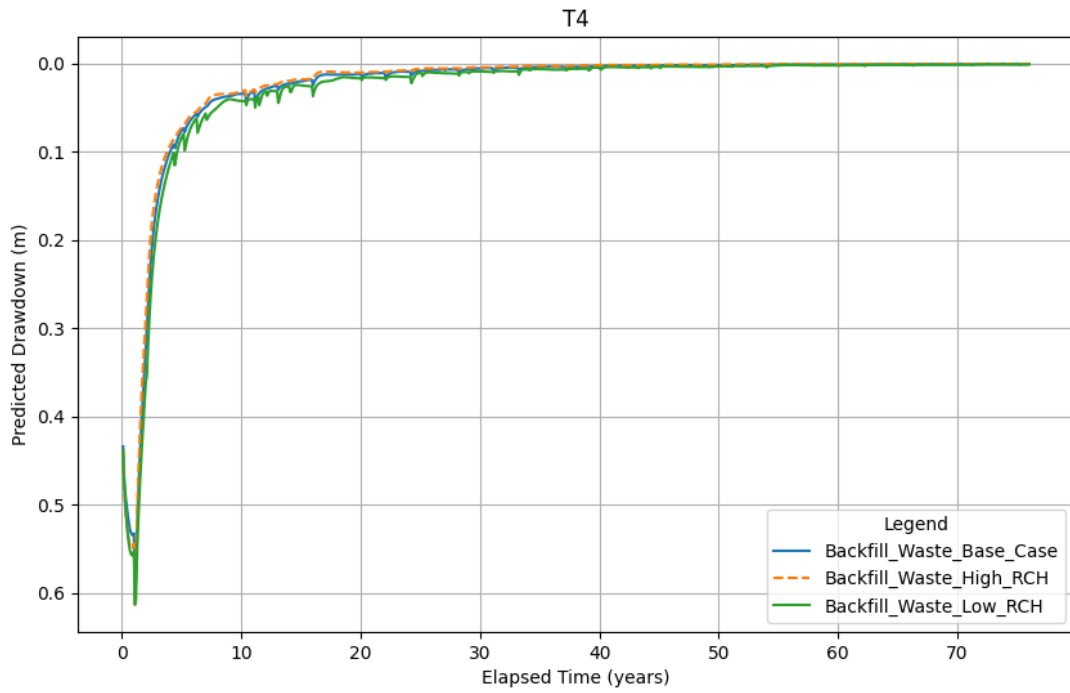


Figure B-50 Predicted aquifer recovery at T4 (valley near Murray Hill)

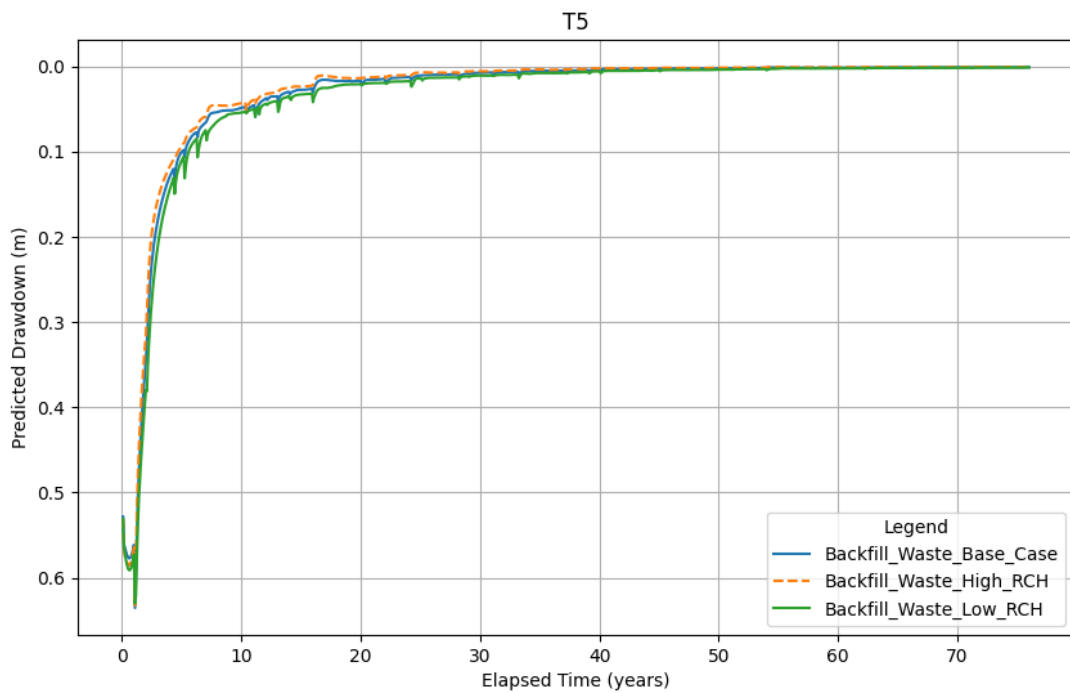


Figure B-51 Predicted aquifer recovery at T5 (valley between Murray Hill & Gnalka Gnoona claypan)



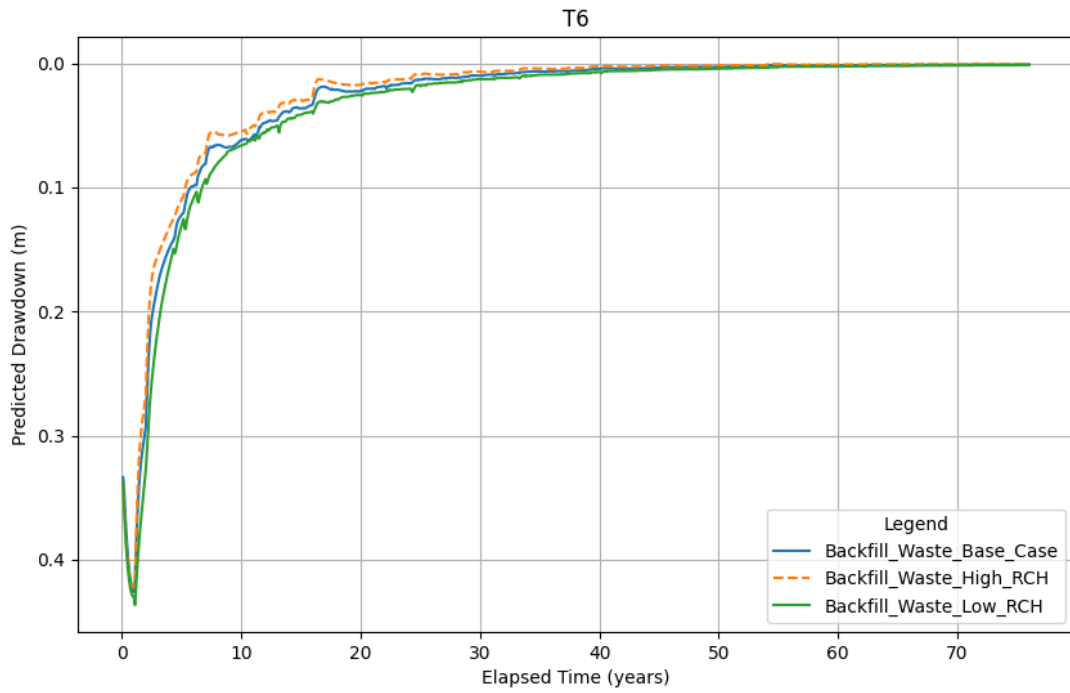


Figure B-52 Predicted aquifer recovery at T6 (Gnalka Gnoona claypan)

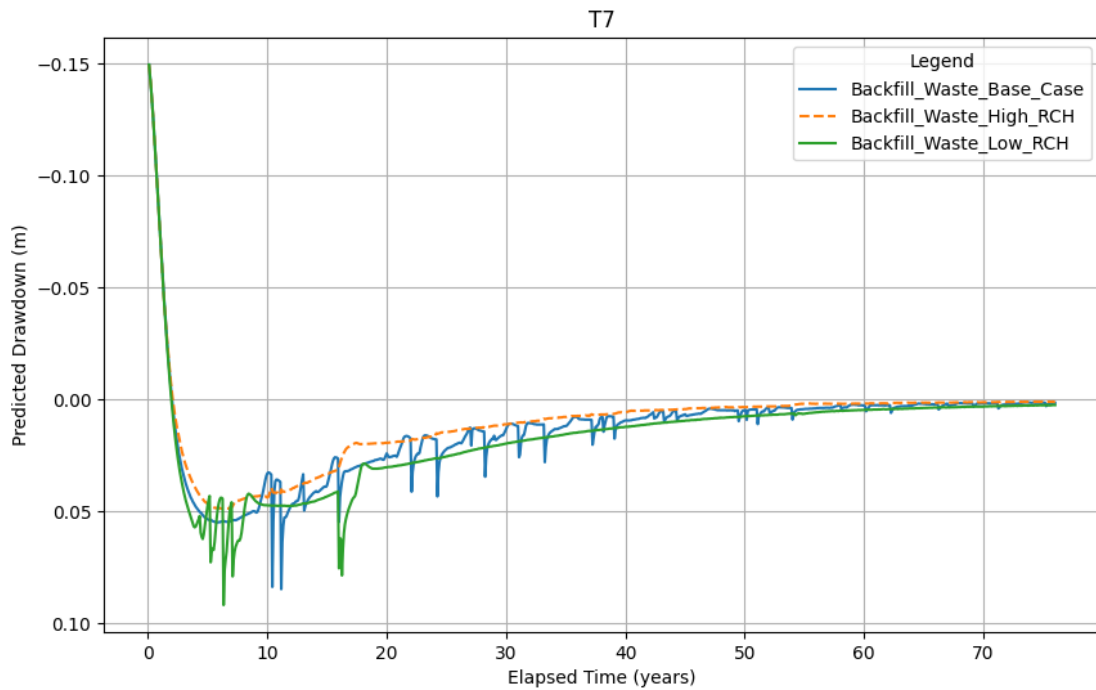


Figure B-53 Predicted aquifer recovery at T7 (restricted stygo 1 west)



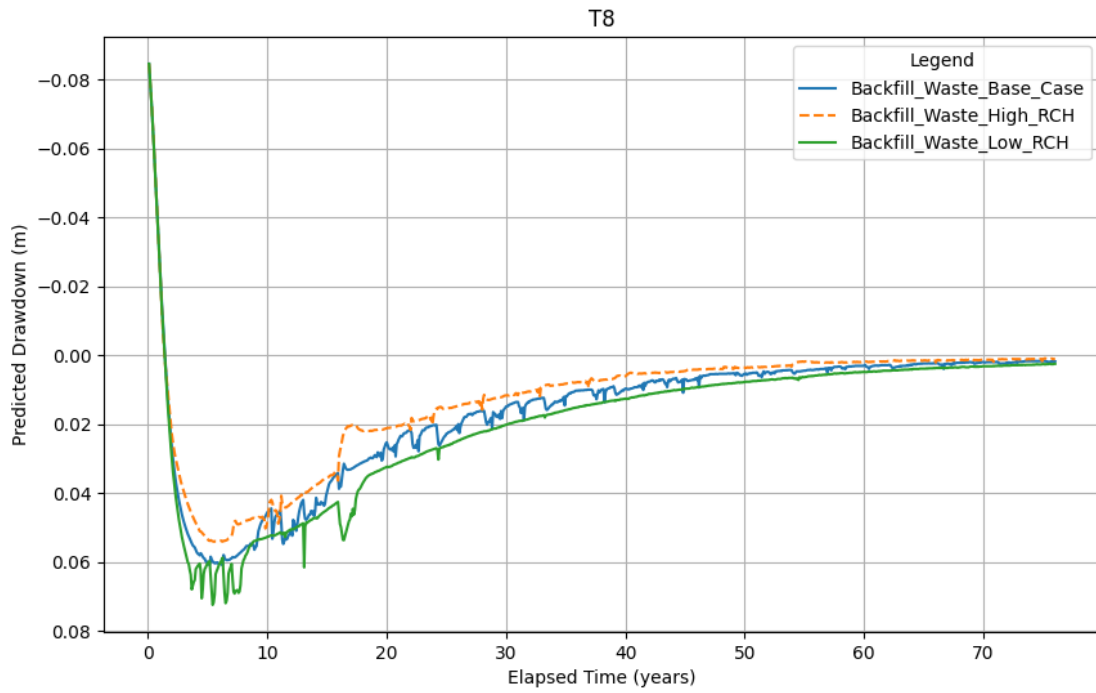


Figure B-54 Predicted aquifer recovery at T8 (valley Far West)

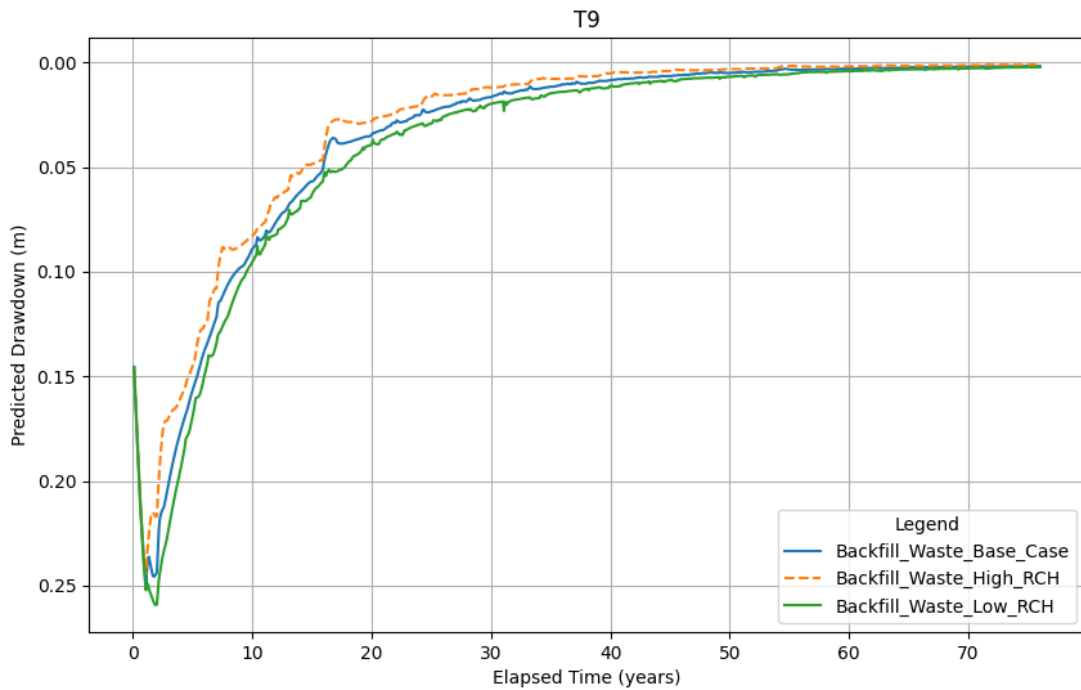


Figure B-55 Predicted aquifer recovery at T9 (restricted stygo 2 southwest)



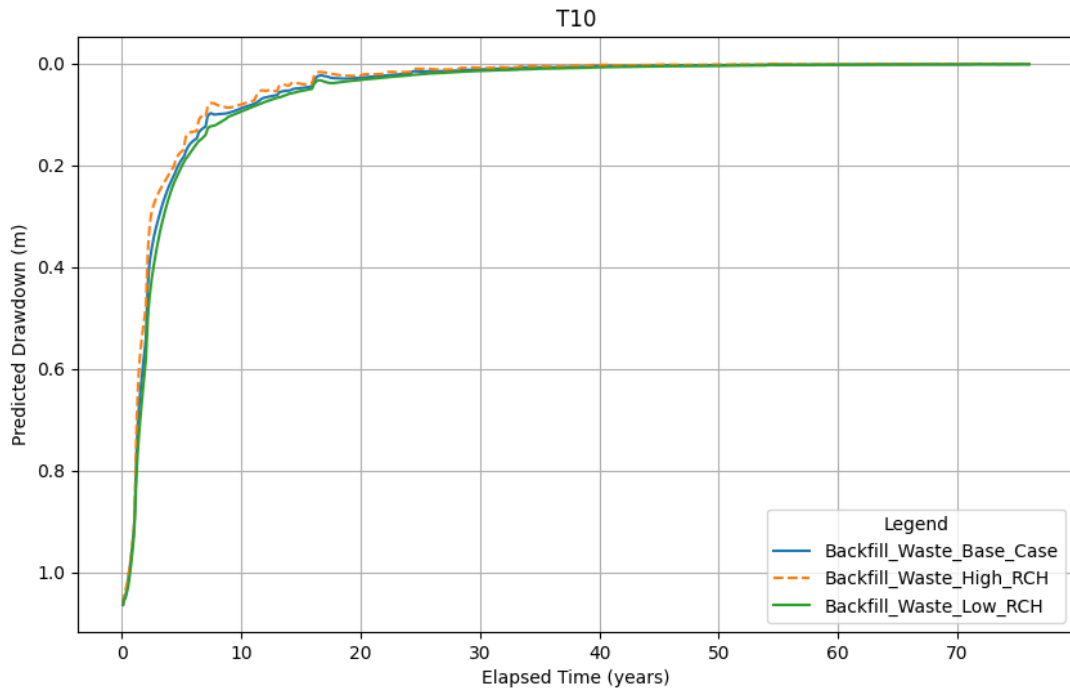


Figure B-56 Predicted aquifer recovery at T10 (restricted stygo 3 south)

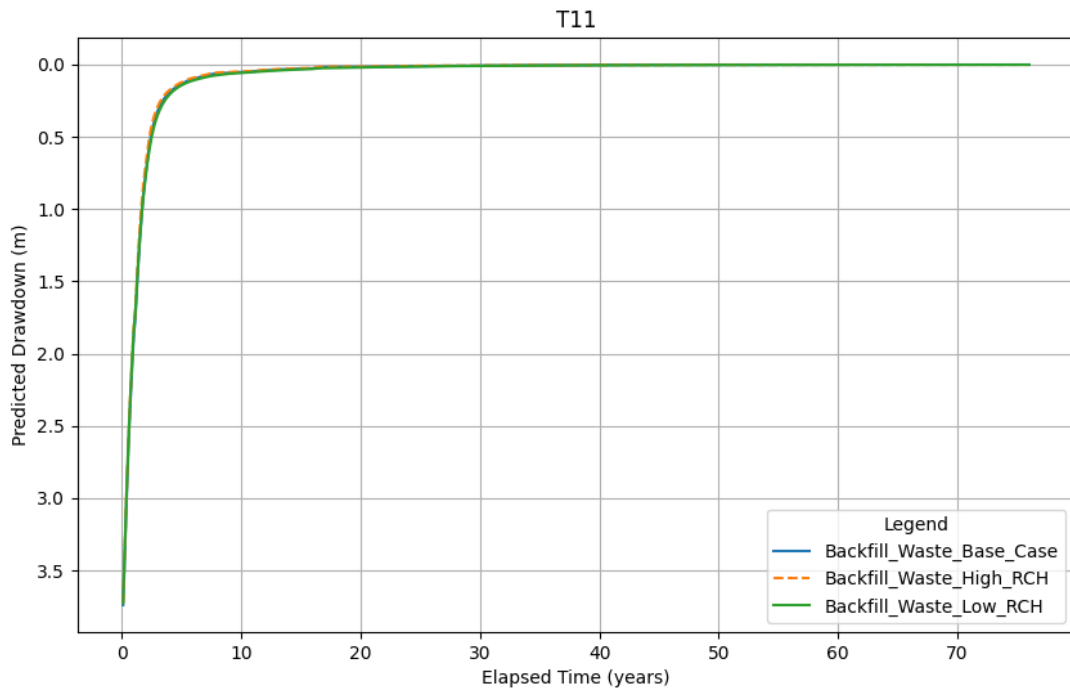


Figure B-57 Predicted aquifer recovery at T11 (valley Fridge West)



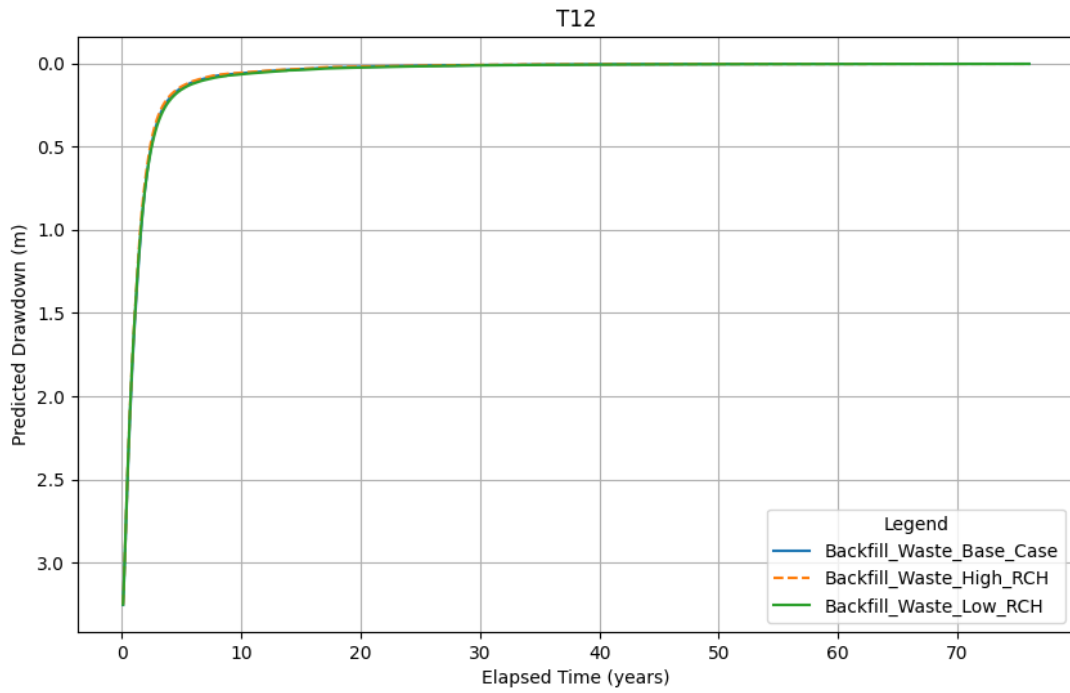


Figure B-58 Predicted aquifer recovery at T12 (valley Fridge Central)

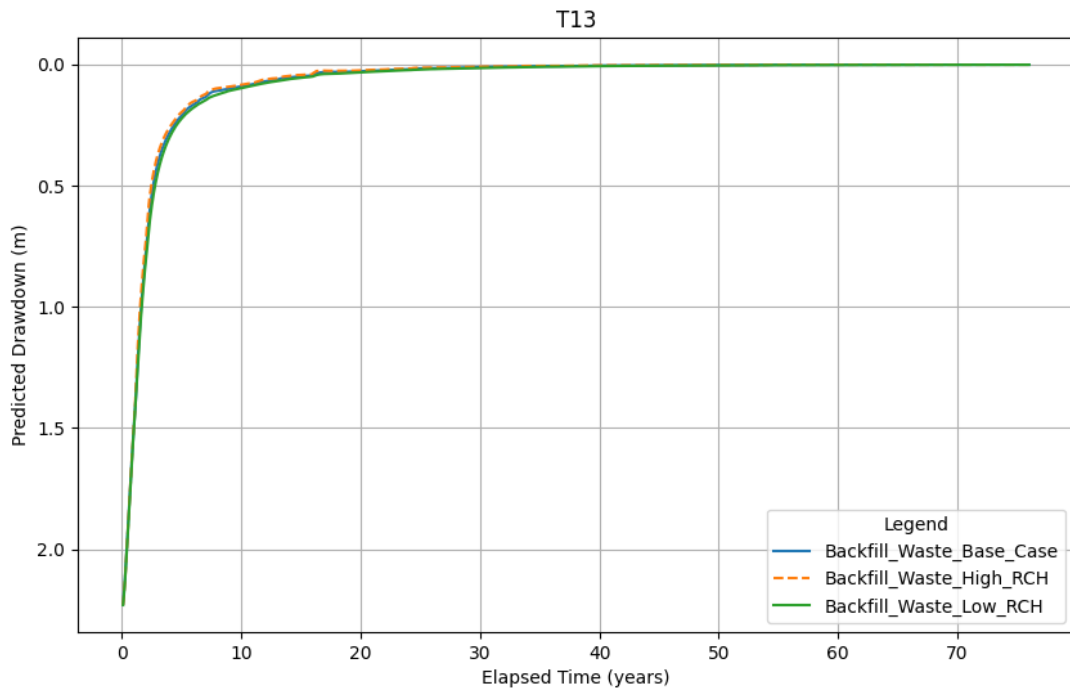


Figure B-59 Predicted aquifer recovery at T13 (valley Central)



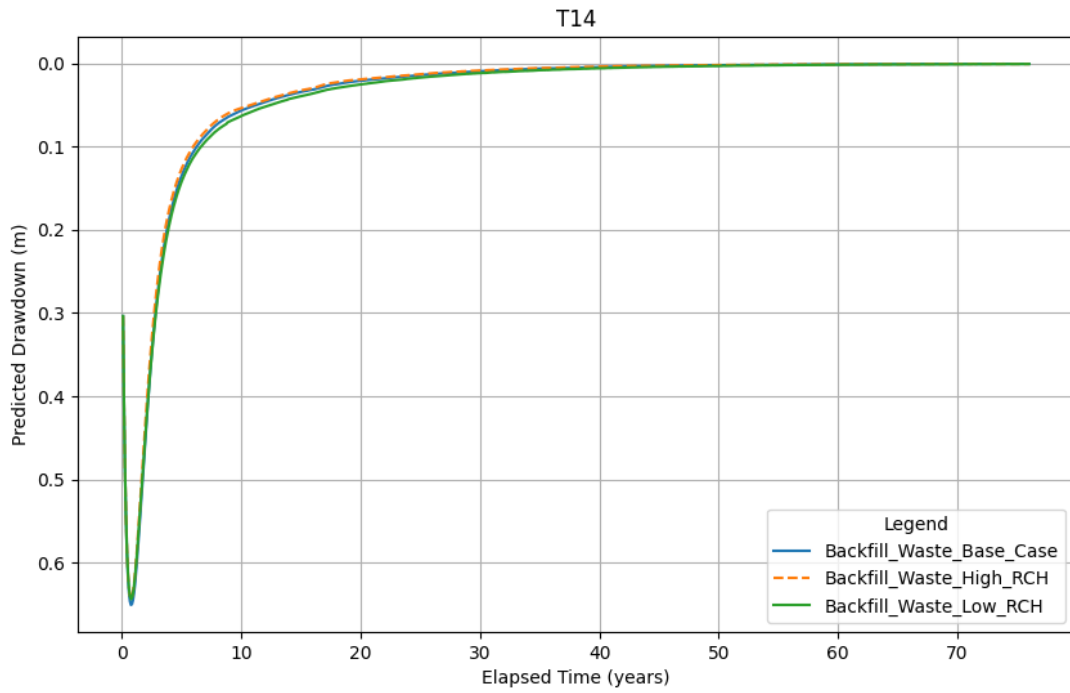


Figure B-60 Predicted aquifer recovery at T14 (area between valley & Horseshoe)

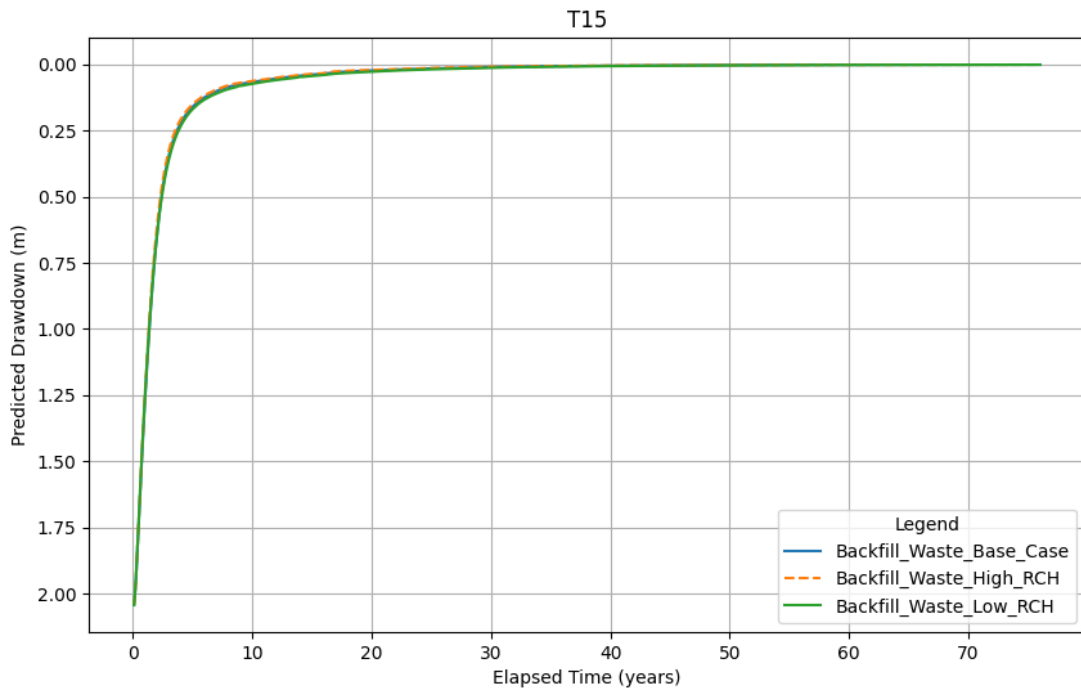


Figure B-61 Predicted aquifer recovery at T15 (valley Fridge Hill)



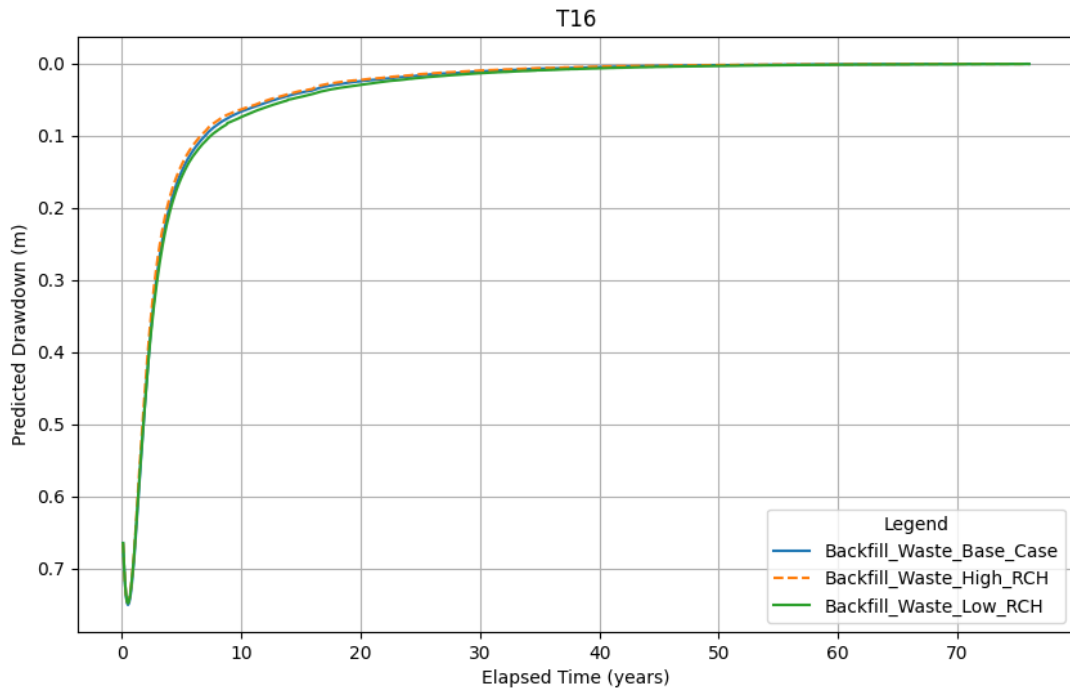


Figure B-62 Predicted aquifer recovery at T16 (valley Horseshoe)

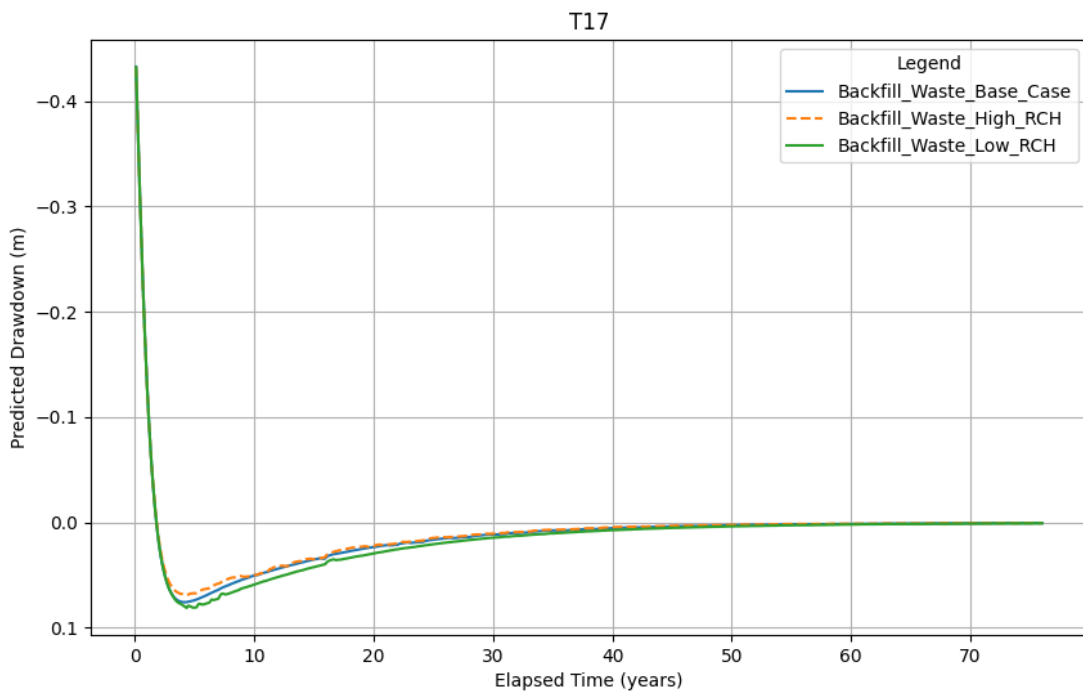


Figure B-63 Predicted aquifer recovery at T17 (valley Far Southeast)



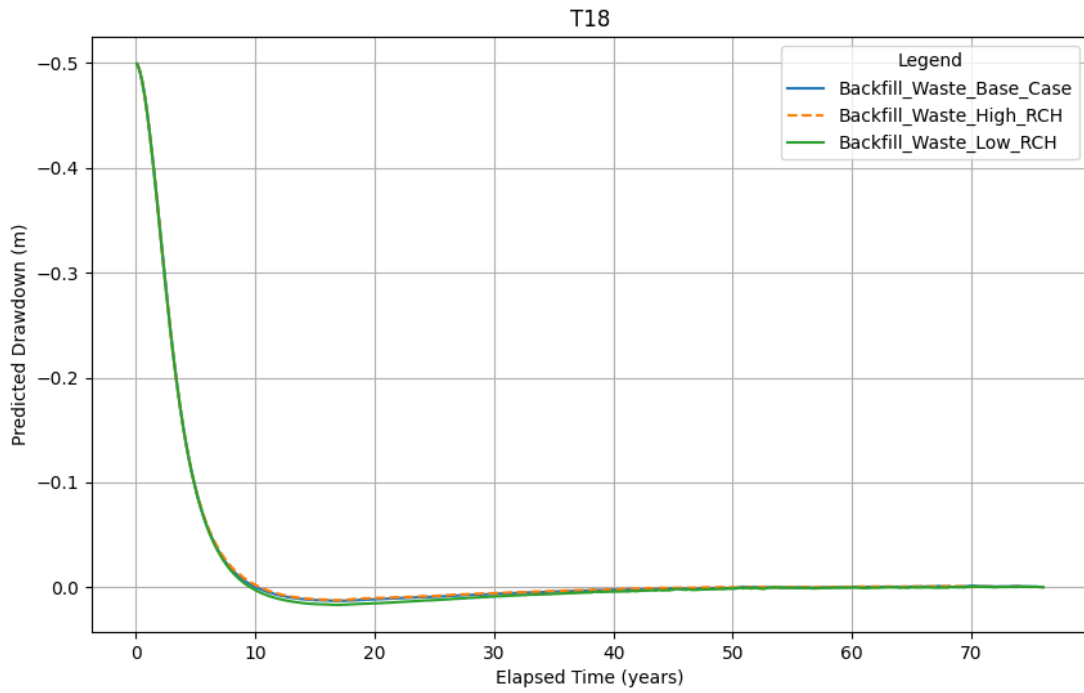


Figure B-64 Predicted aquifer recovery at T18 (Wirrilimarra area)



Closure Results – Alternative Backfill Case

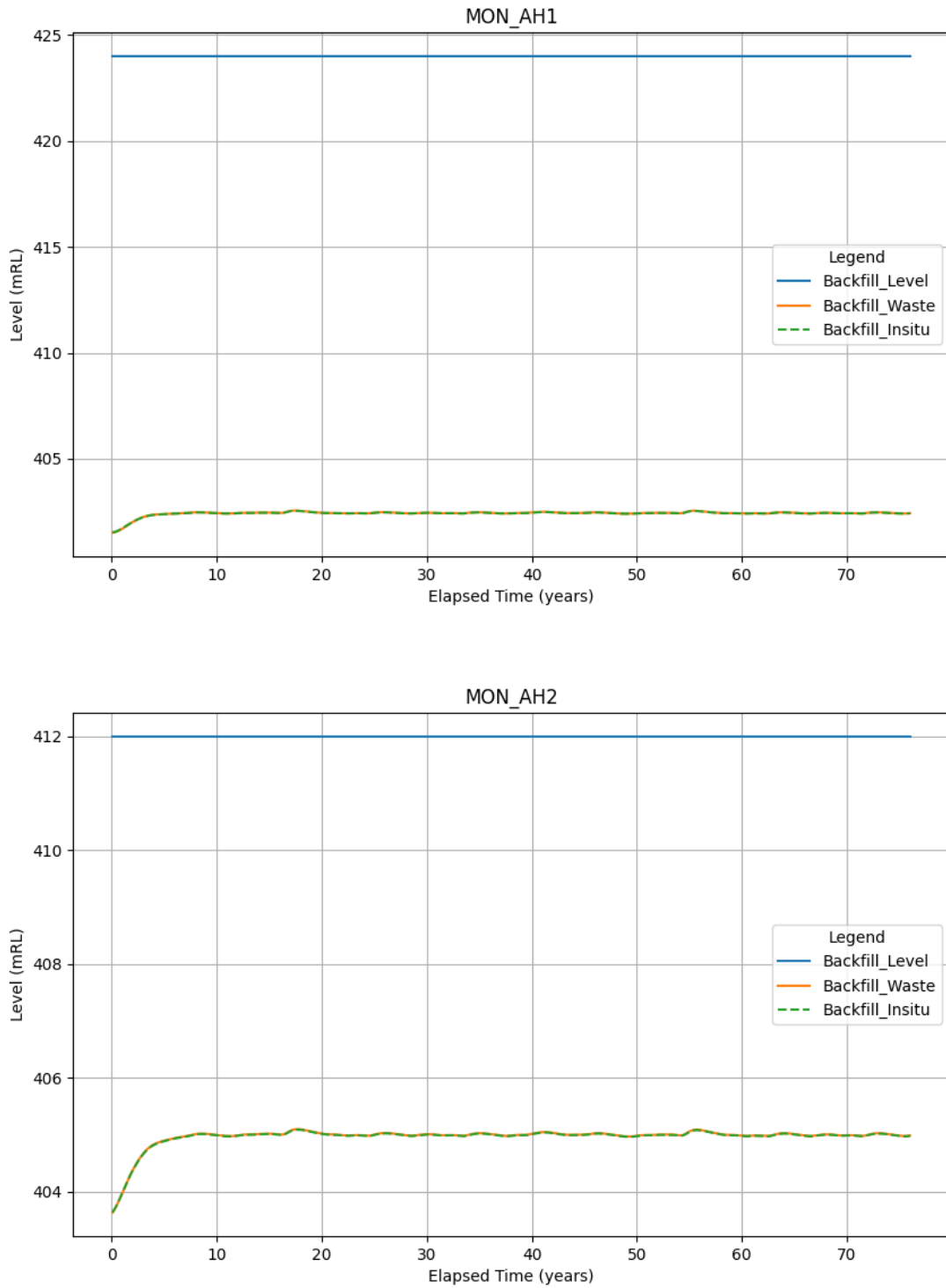


Figure B-65 Predicted pit water level recovery at Anticline Hill



Closure Results – Alternative Backfill Case

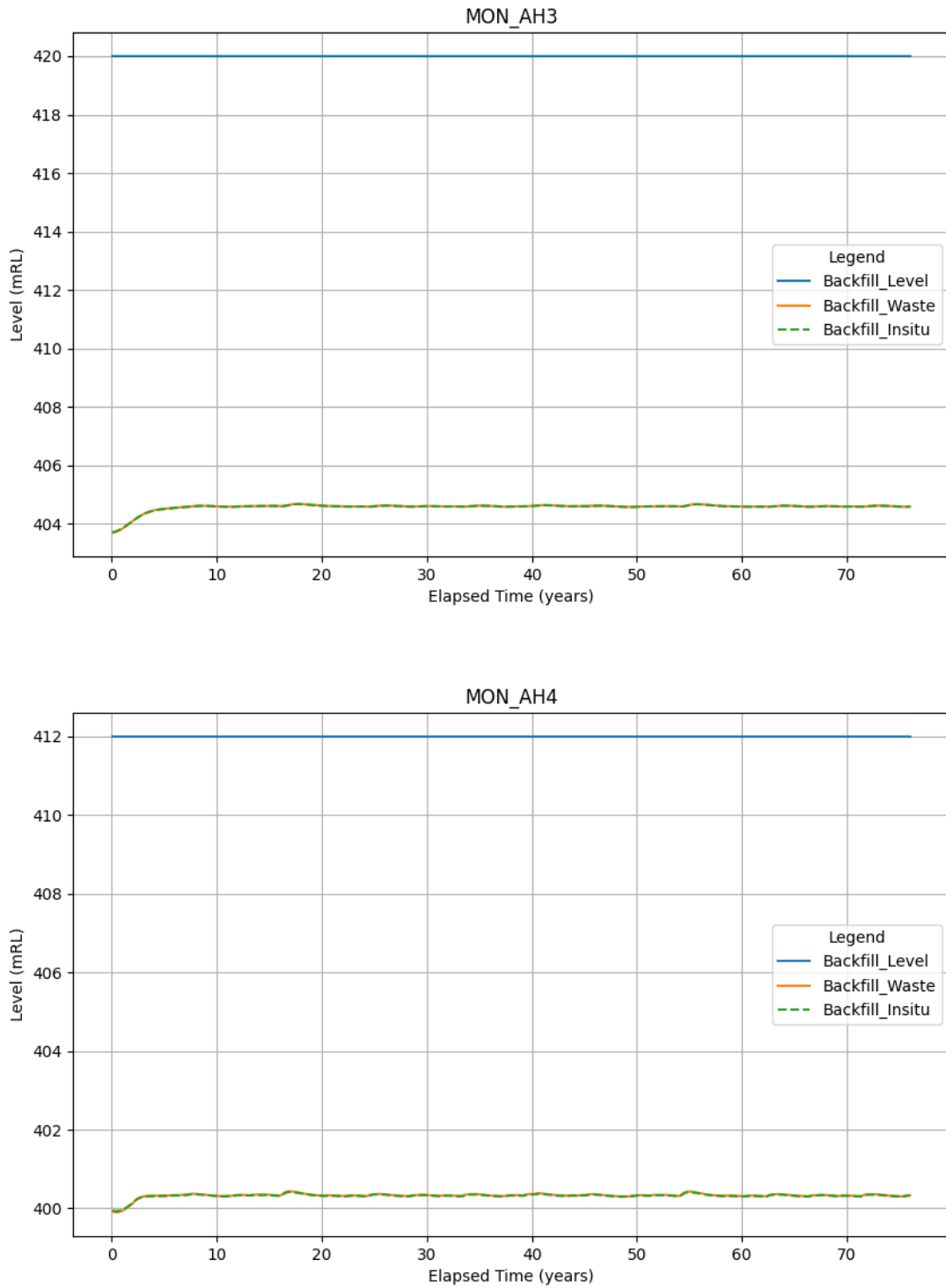


Figure B-66 Predicted pit water level recovery at Anticline Hill



Closure Results – Alternative Backfill Case

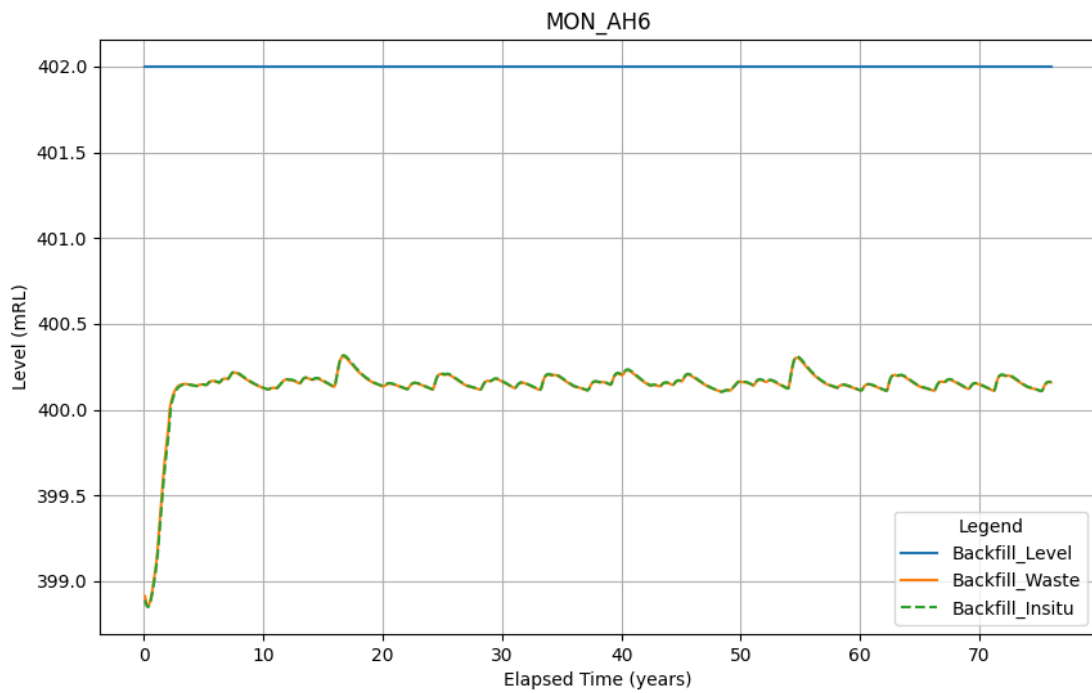
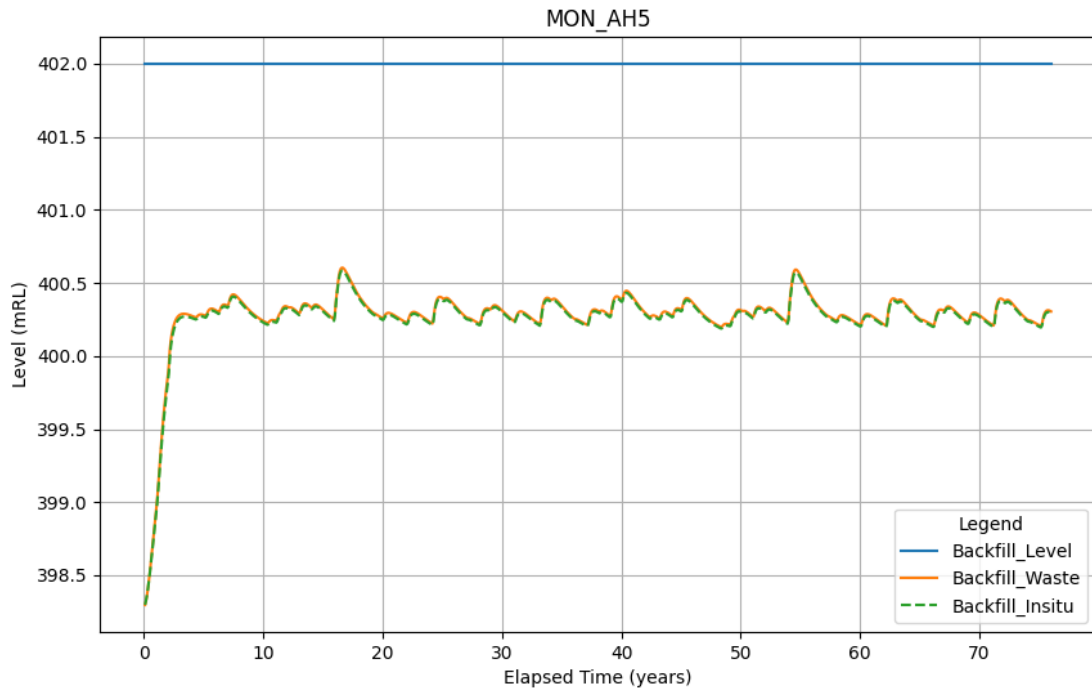


Figure B-67 Predicted pit water level recovery at Anticline Hill



Closure Results – Alternative Backfill Case

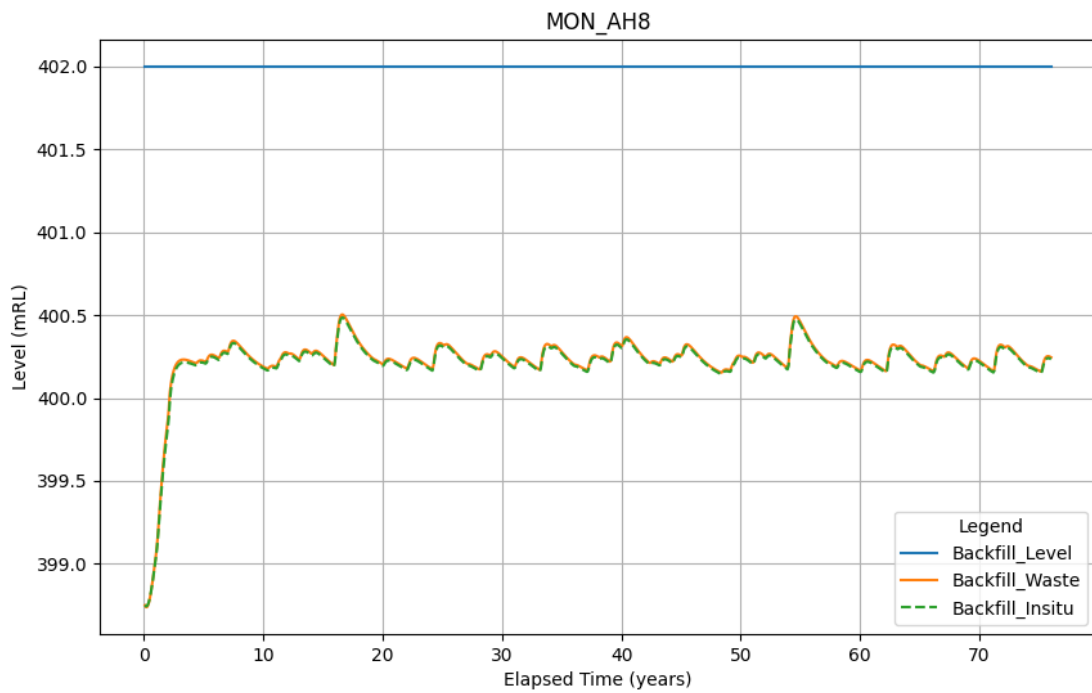
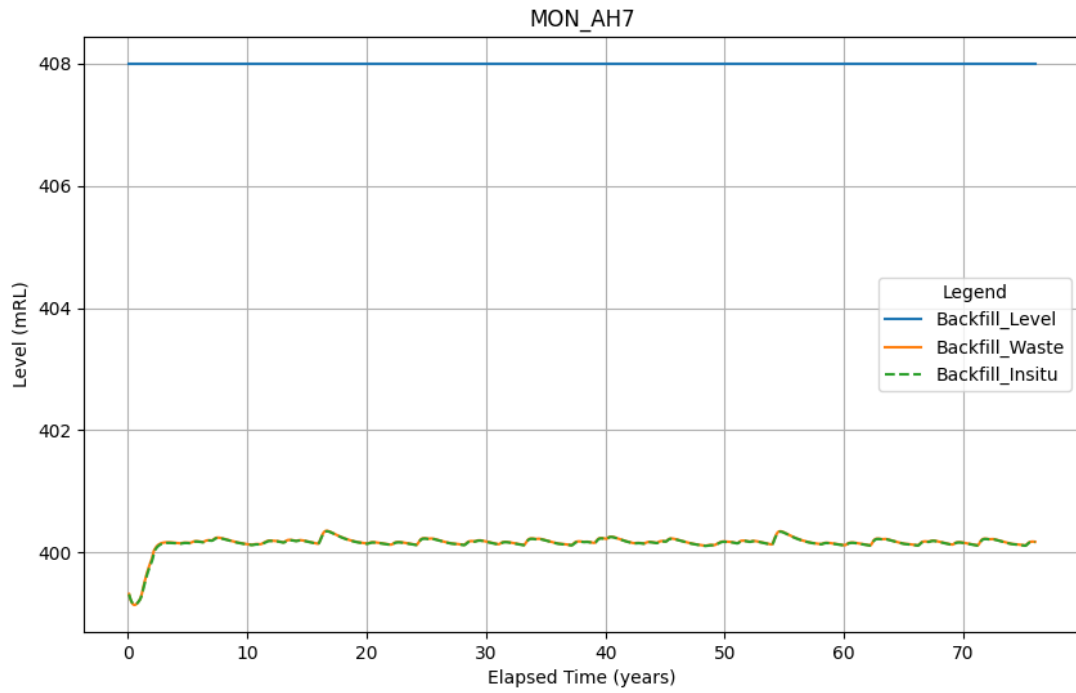


Figure B-68 Predicted pit water level recovery at Anticline Hill



Closure Results – Alternative Backfill Case

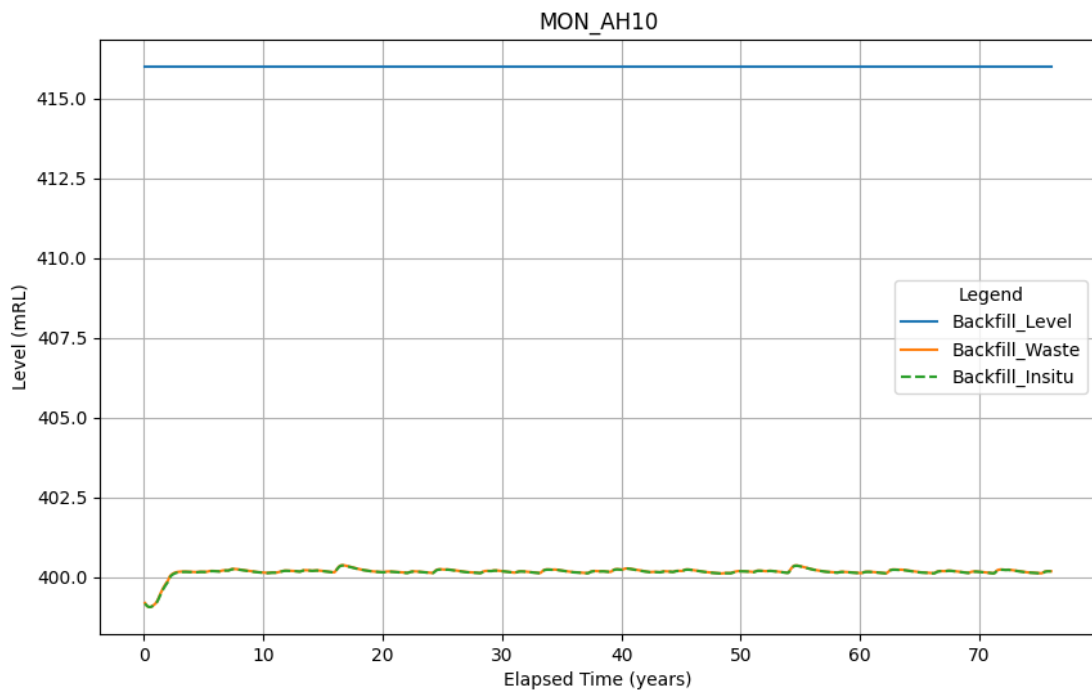
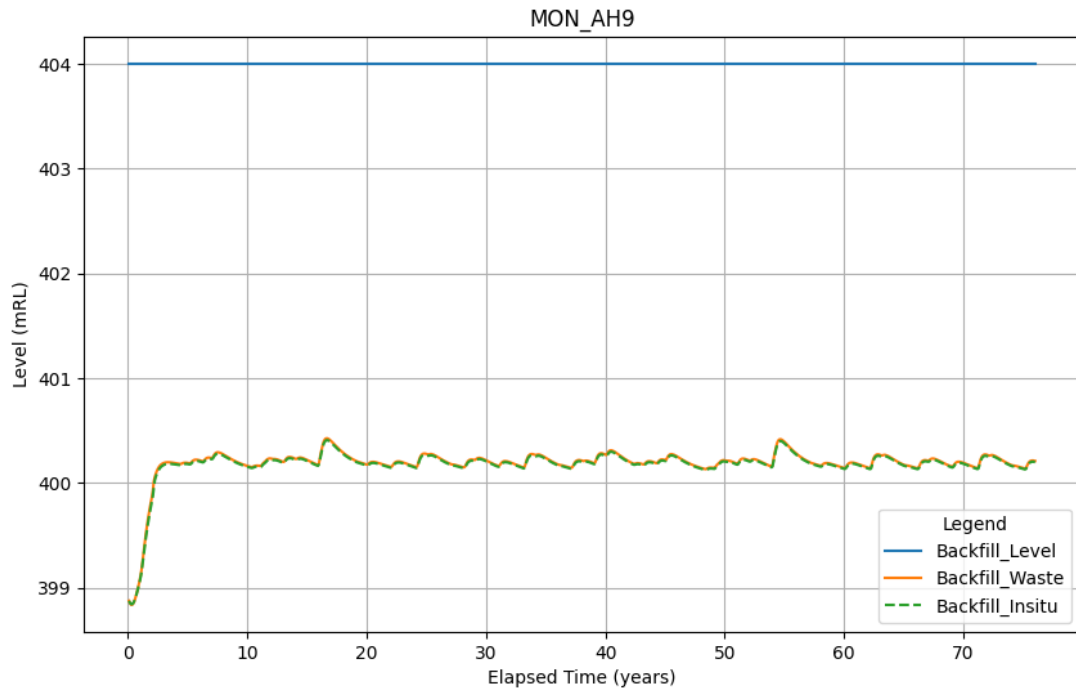


Figure B-69 Predicted pit water level recovery at Anticline Hill



Closure Results – Alternative Backfill Case

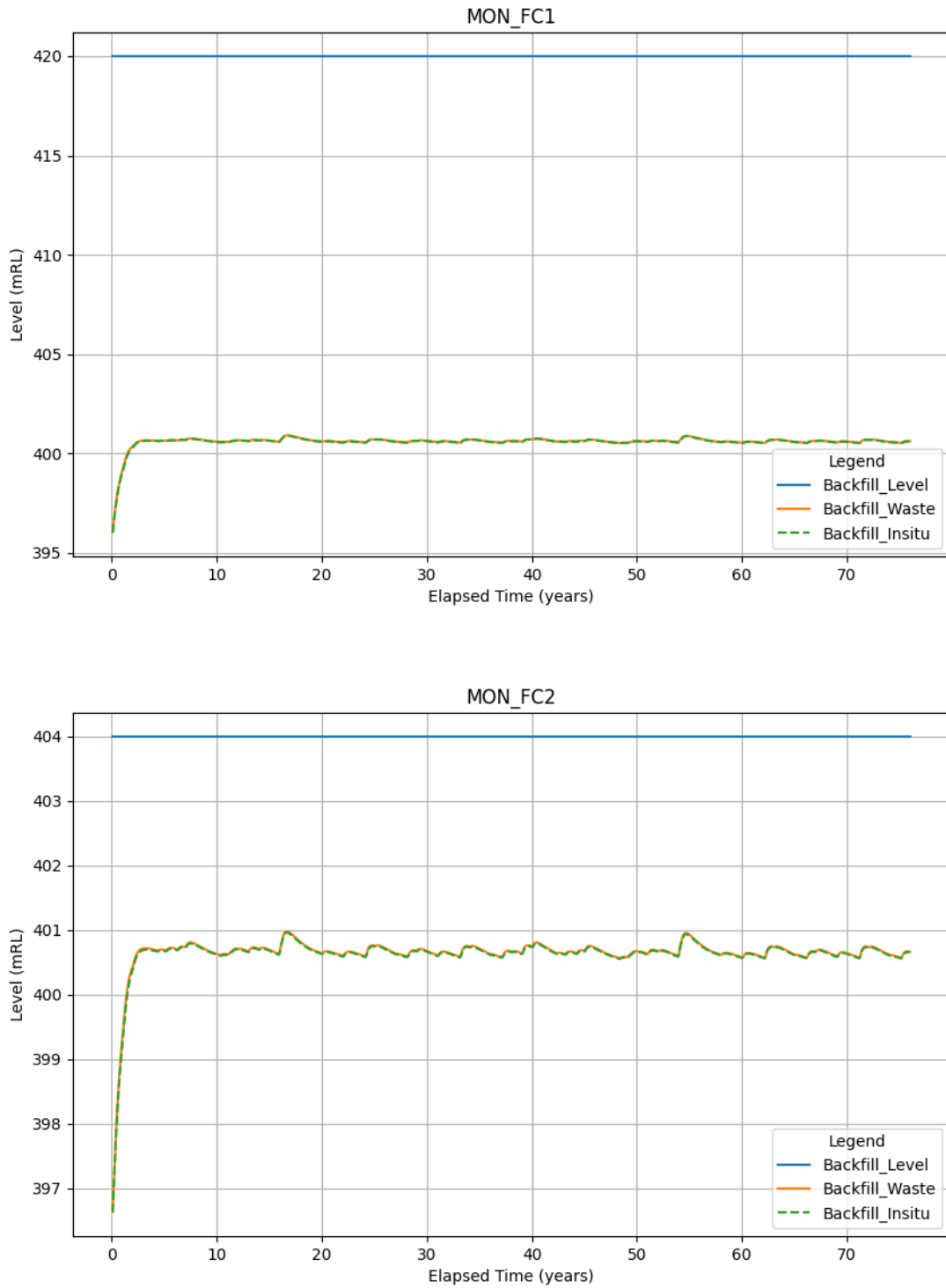


Figure B-70 Predicted pit water level recovery at Fridge Central



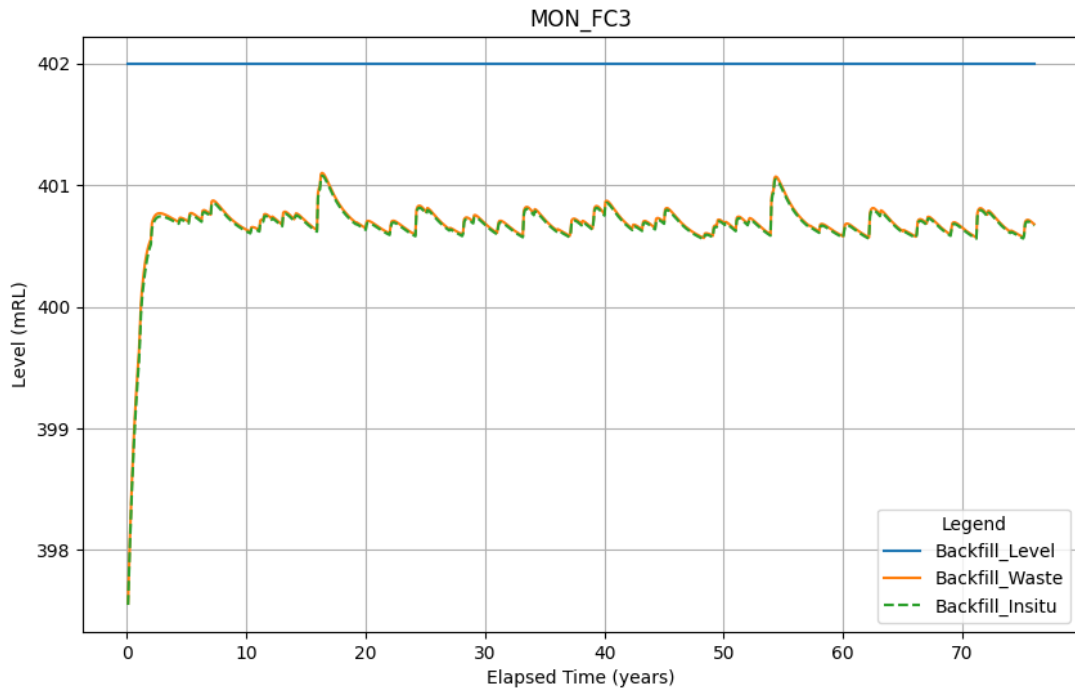


Figure B-71 Predicted pit water level recovery at Fridge Central

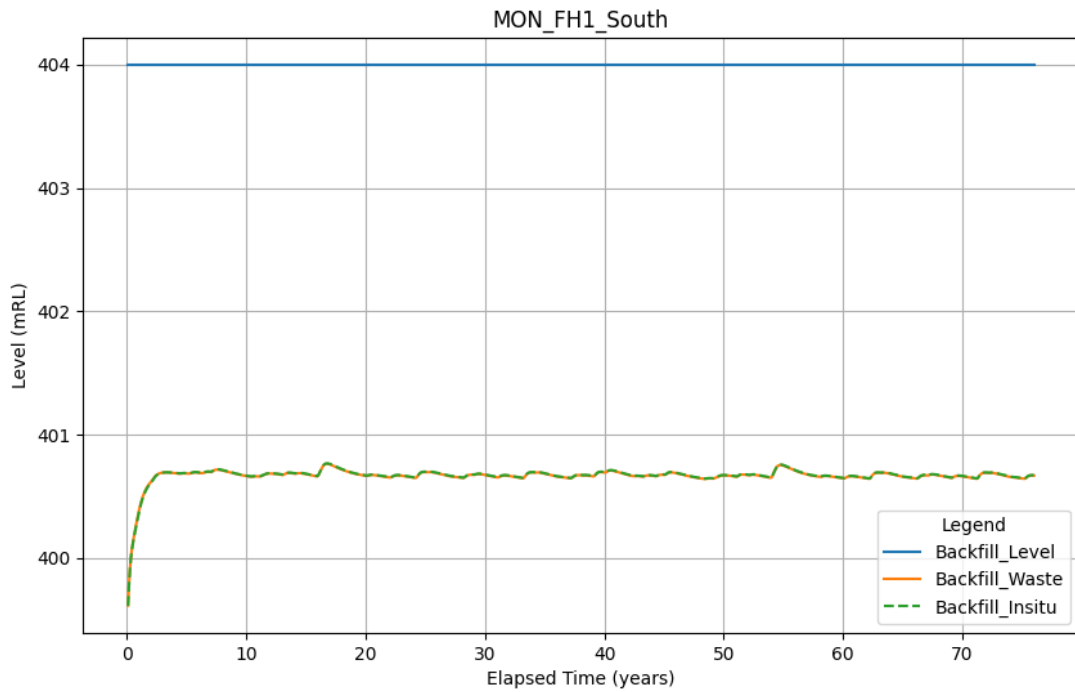


Figure B-72 Predicted pit water level recovery at Fridge Hill



Closure Results – Alternative Backfill Case

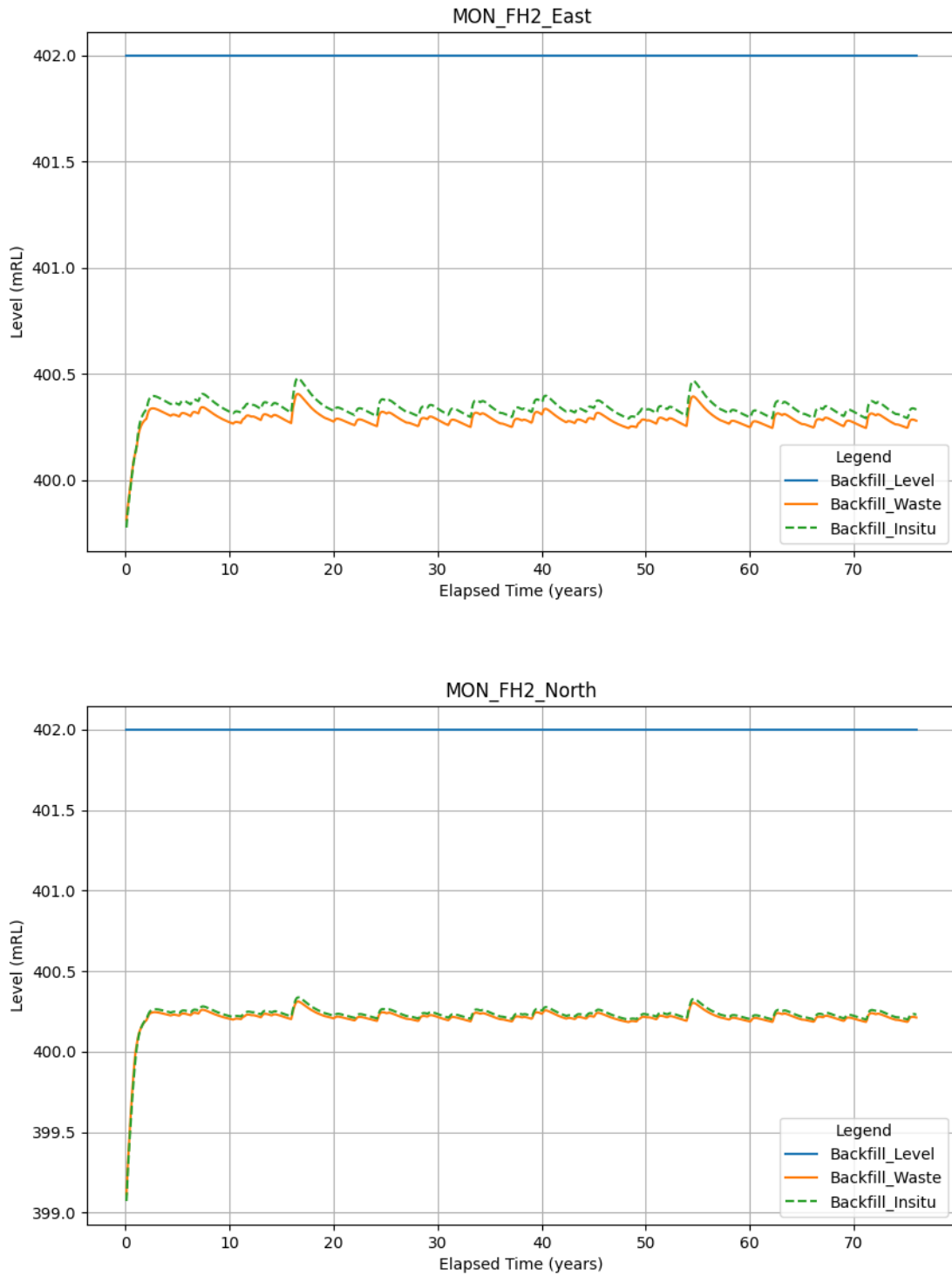


Figure B-73 Predicted pit water level recovery at Fridge Hill



Closure Results – Alternative Backfill Case

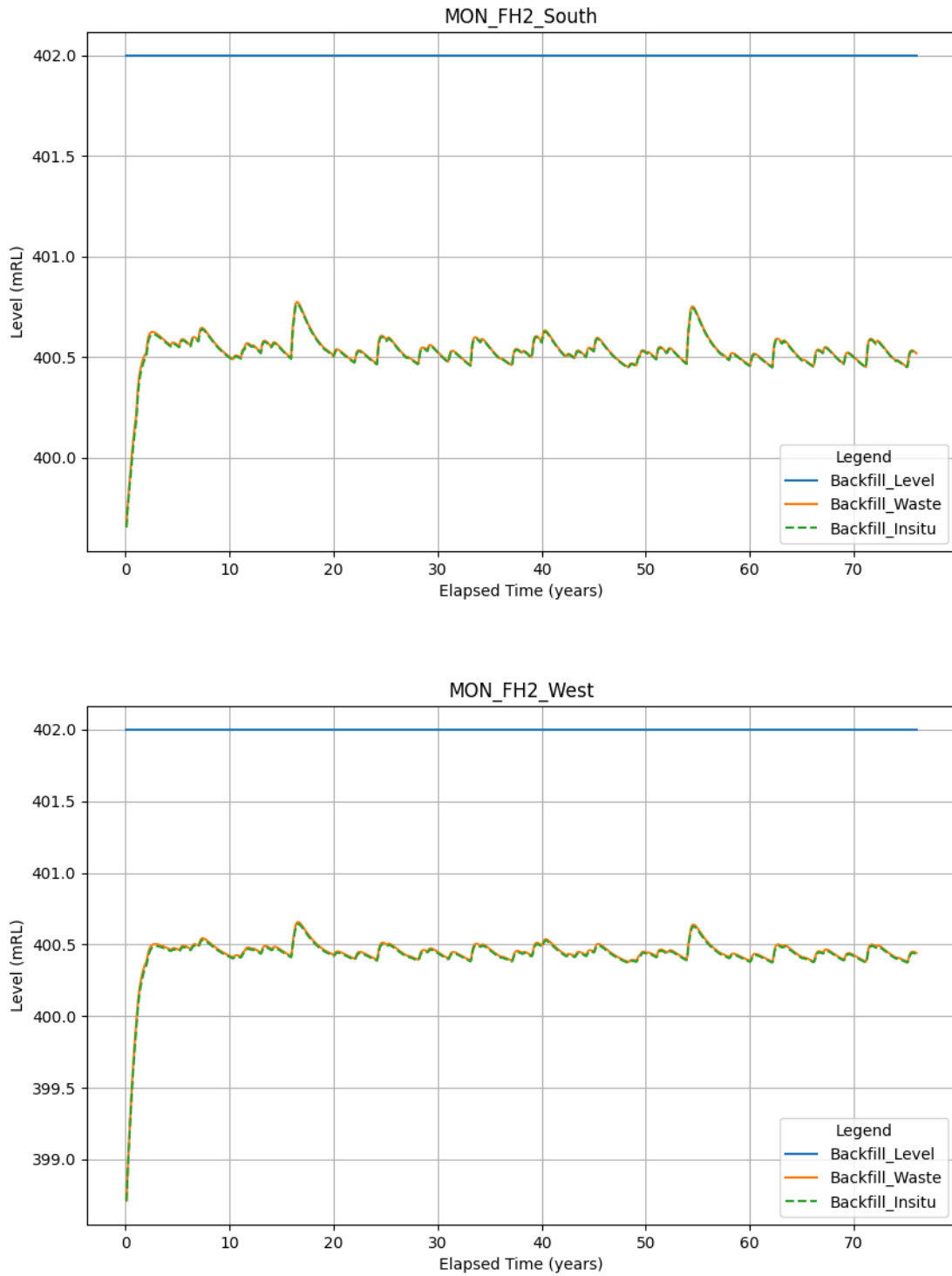


Figure B-74 Predicted pit water level recovery at Fridge Hill



Closure Results – Alternative Backfill Case

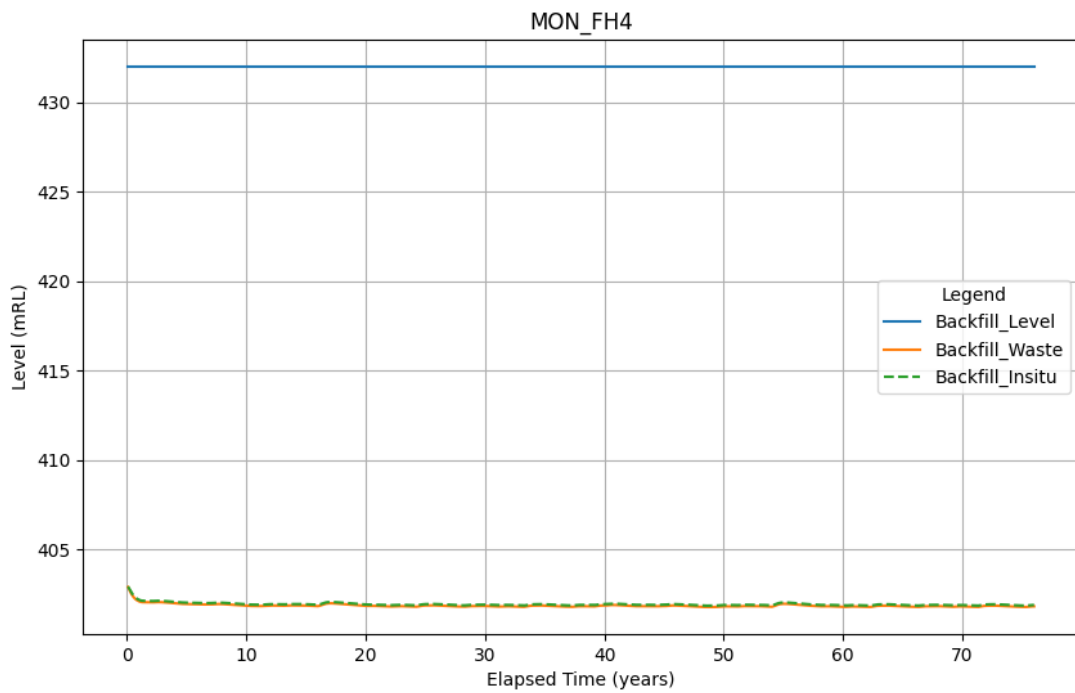
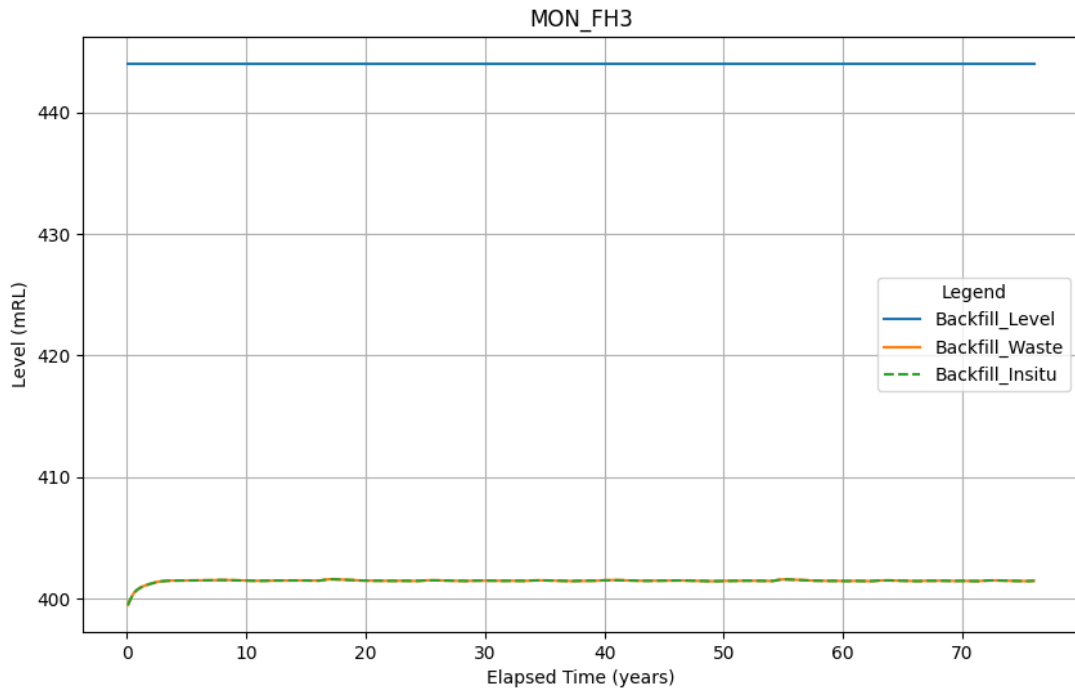


Figure B-75 Predicted pit water level recovery at Fridge Hill



Closure Results – Alternative Backfill Case

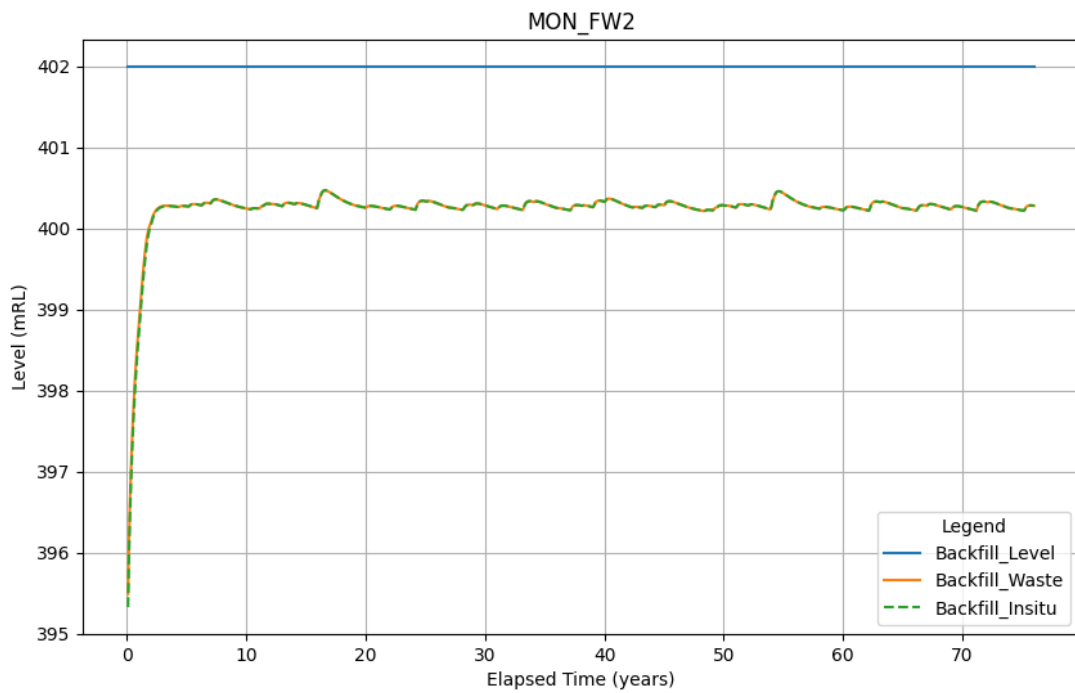
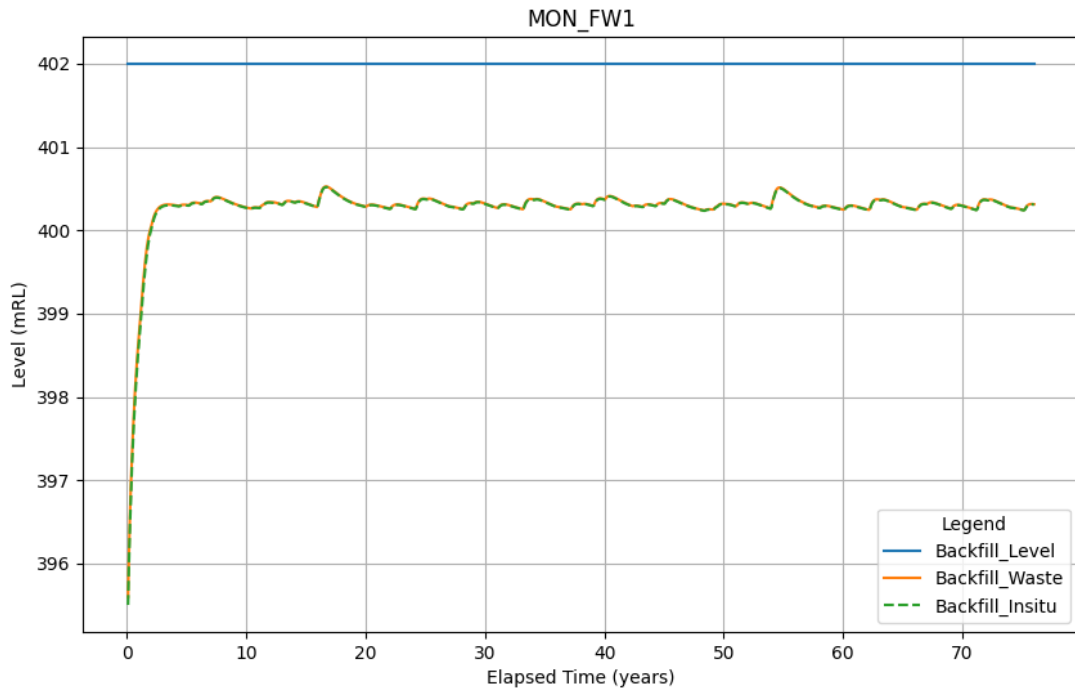


Figure B-76 Predicted pit water level recovery at Fridge West



Closure Results – Alternative Backfill Case

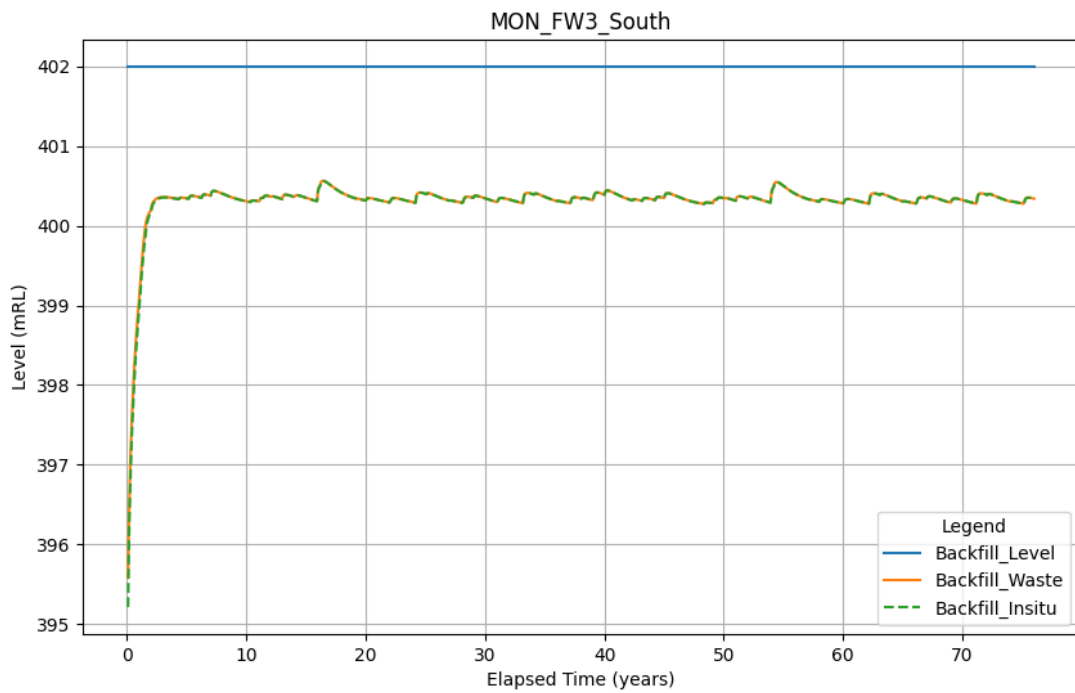
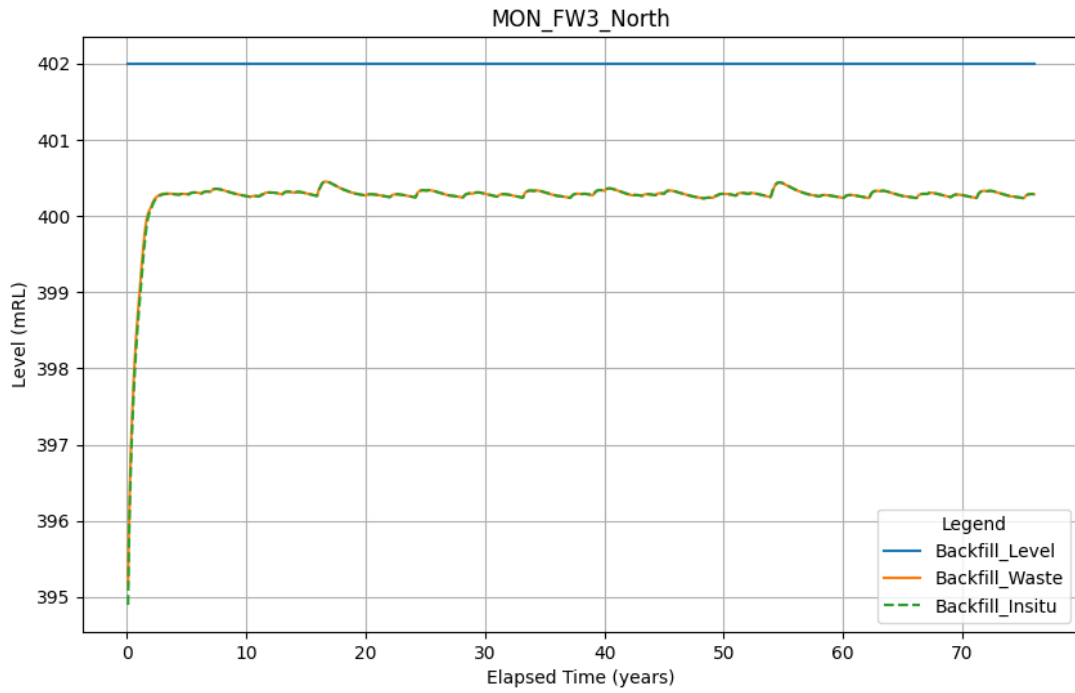


Figure B-77 Predicted pit water level recovery at Fridge West



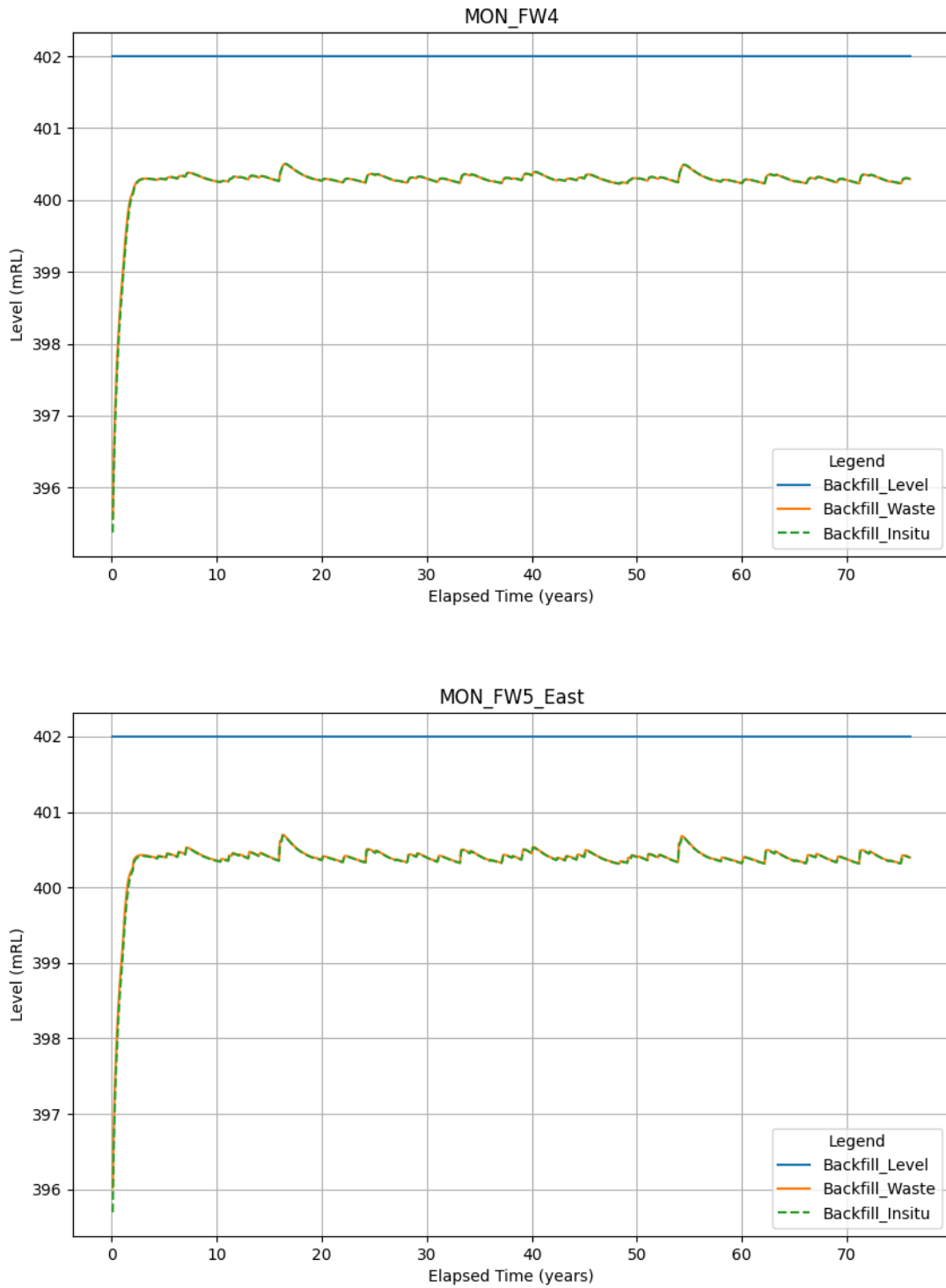


Figure B-78 Predicted pit water level recovery at Fridge West



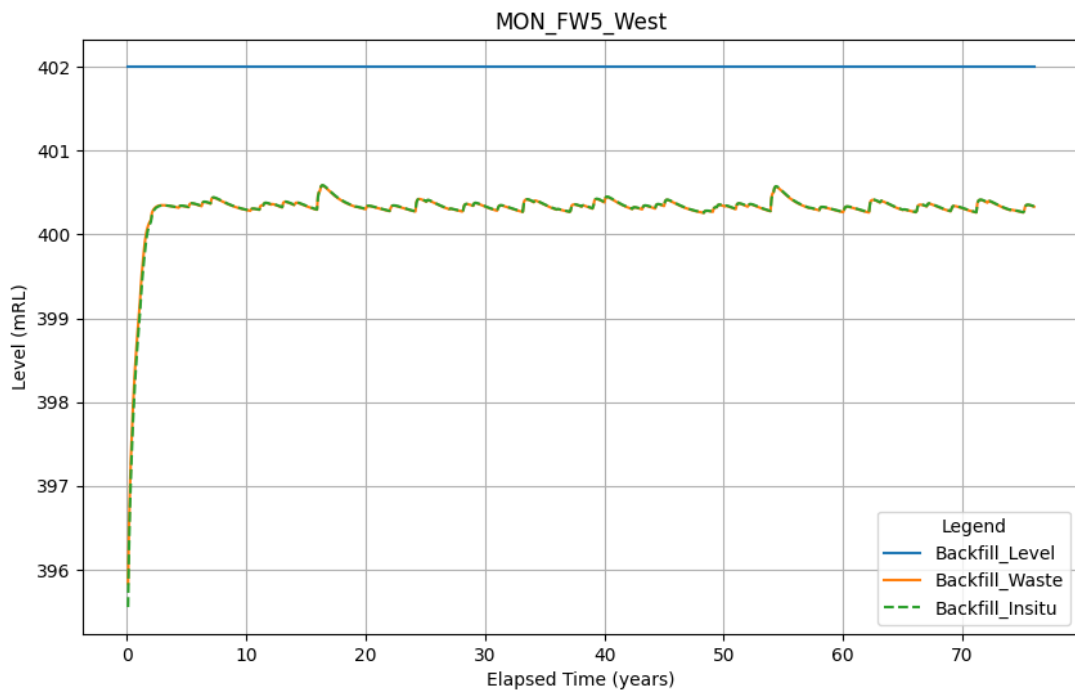
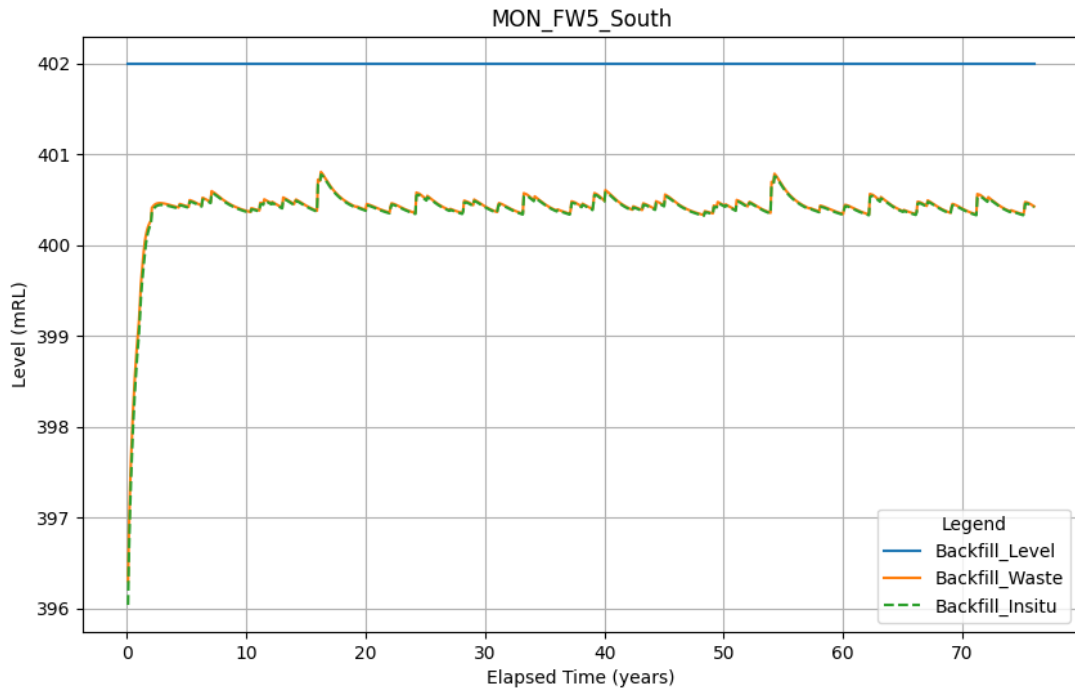


Figure B-79 Predicted pit water level recovery at Fridge West



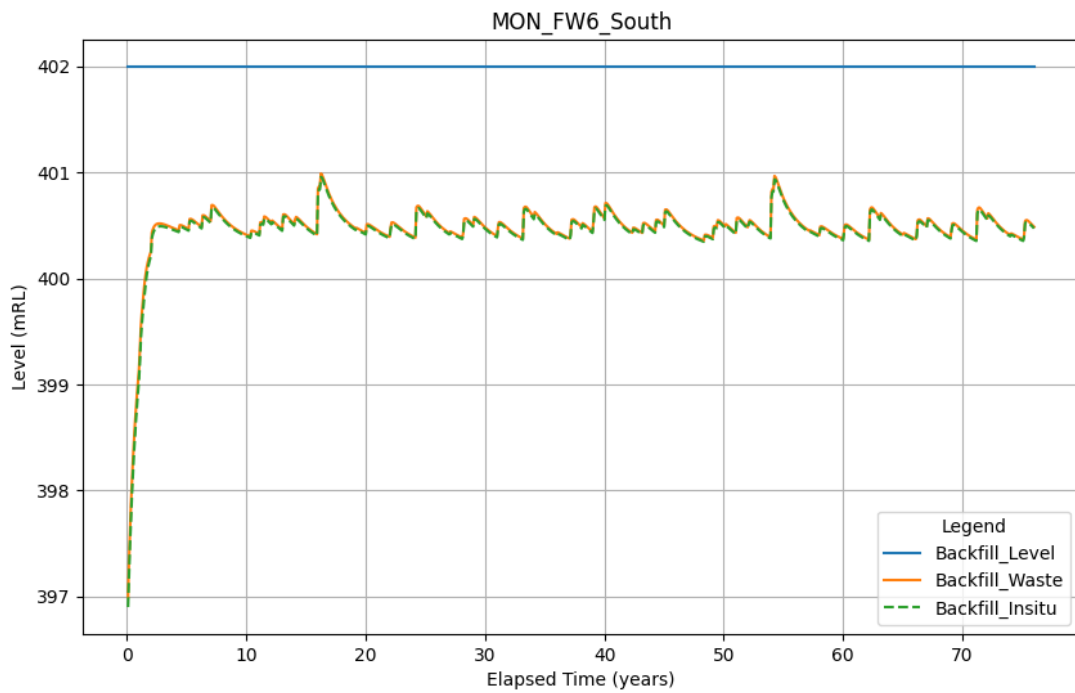
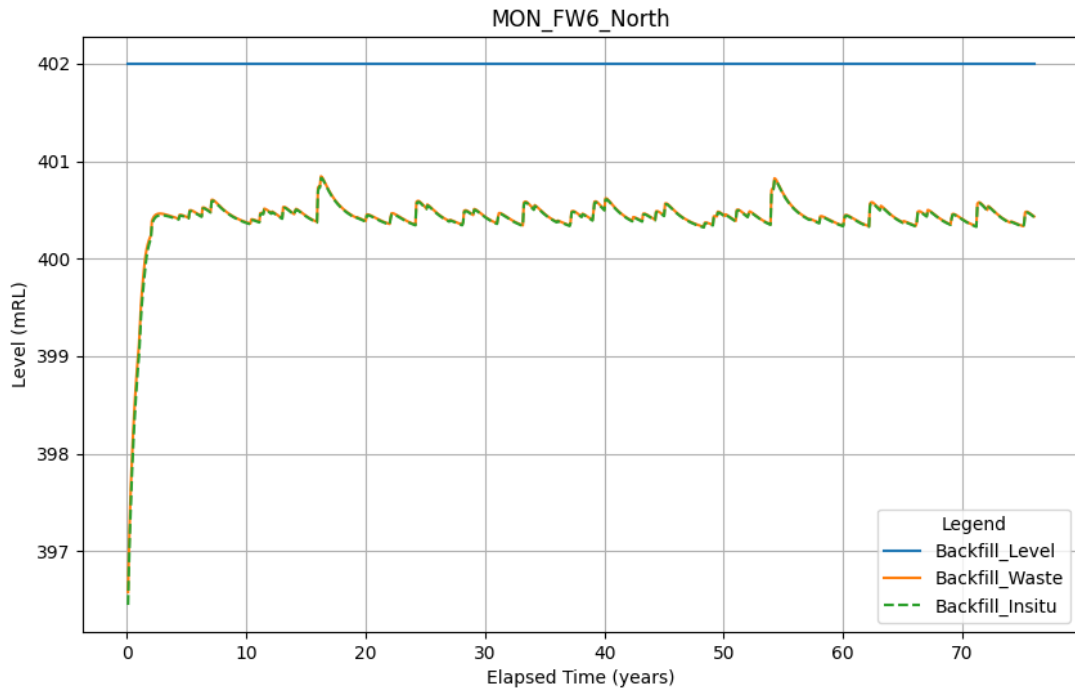


Figure B-80 Predicted pit water level recovery at Fridge West



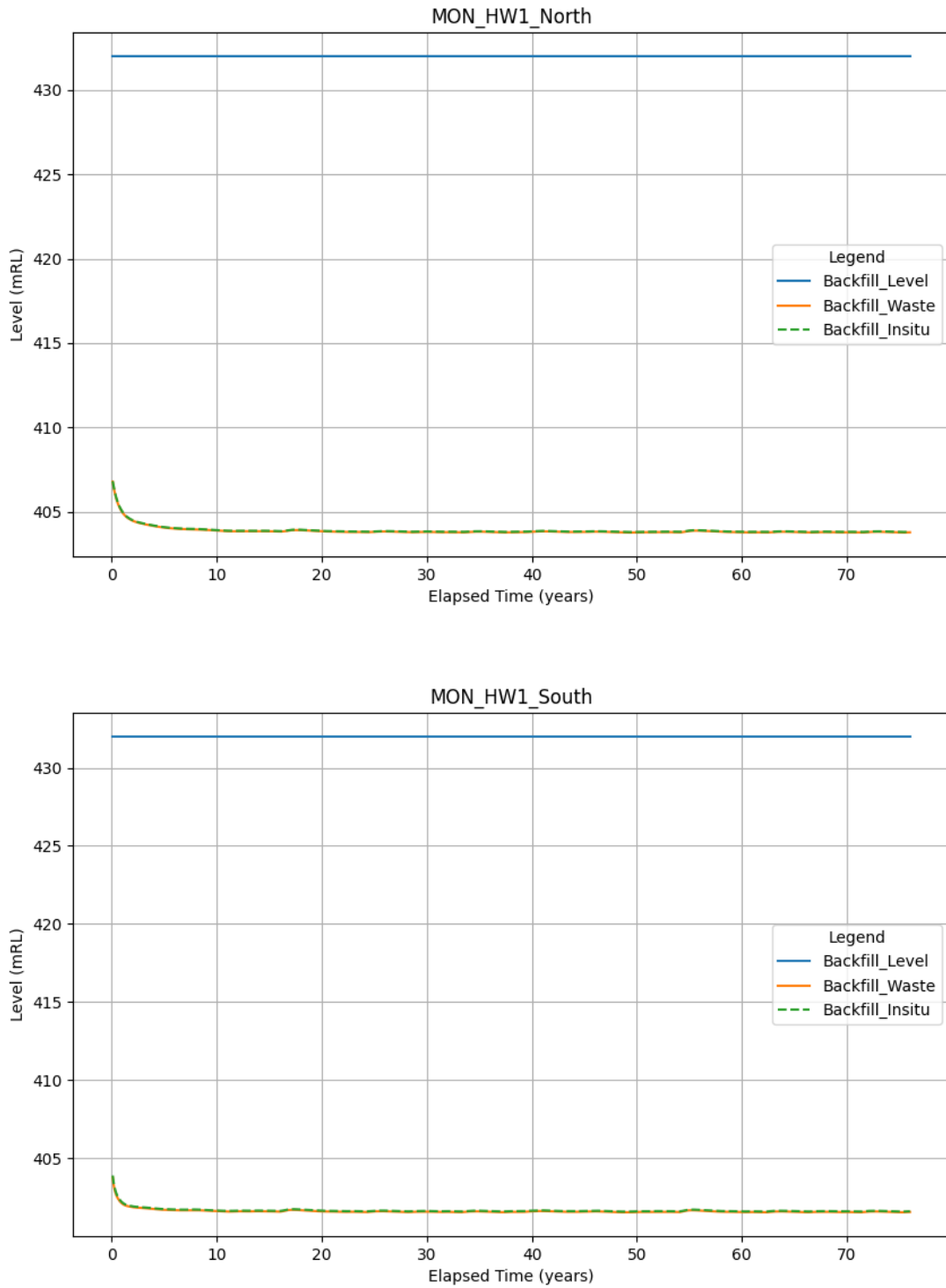


Figure B-81 Predicted pit water level recovery at Horseshoe West



Closure Results – Alternative Backfill Case

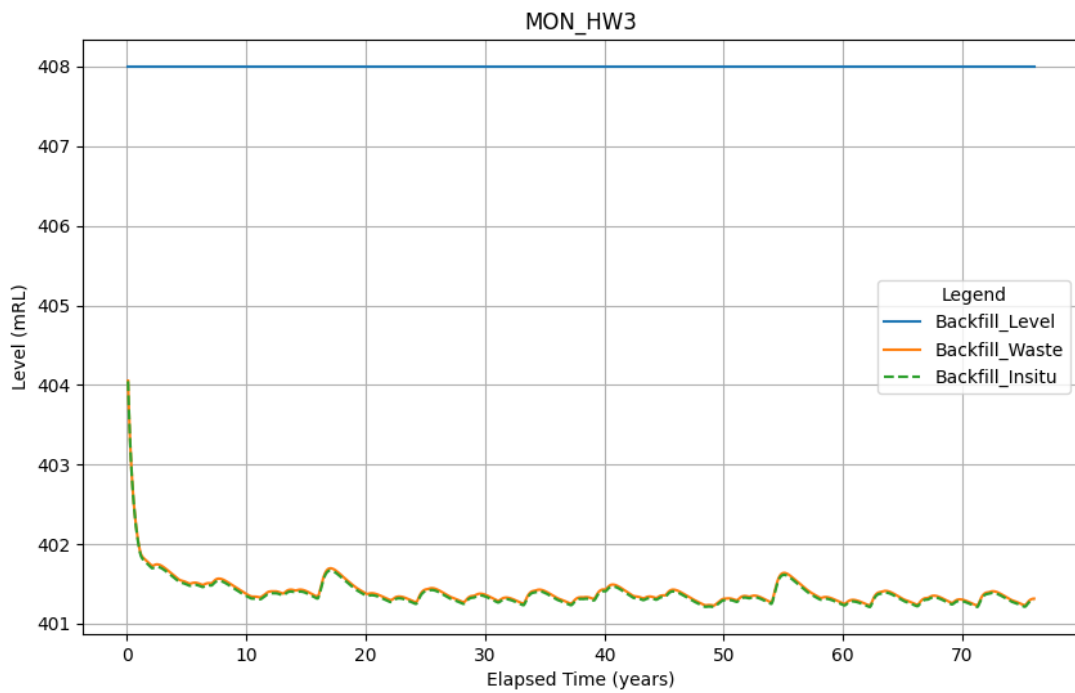
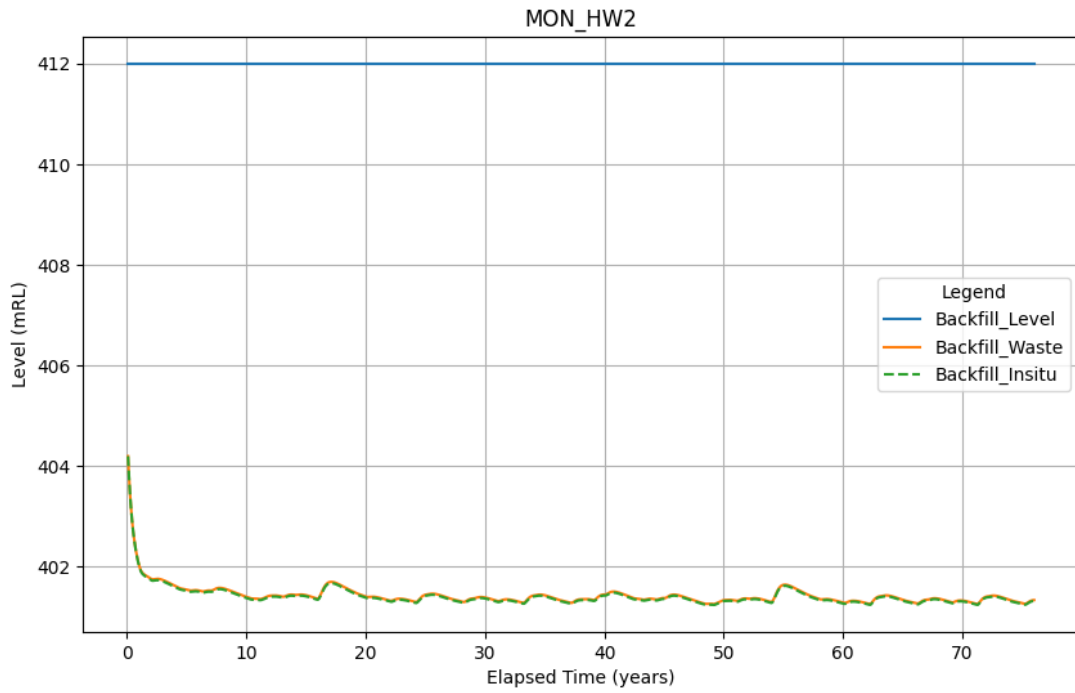


Figure B-82 Predicted pit water level recovery at Horseshoe West



Closure Results – Alternative Backfill Case

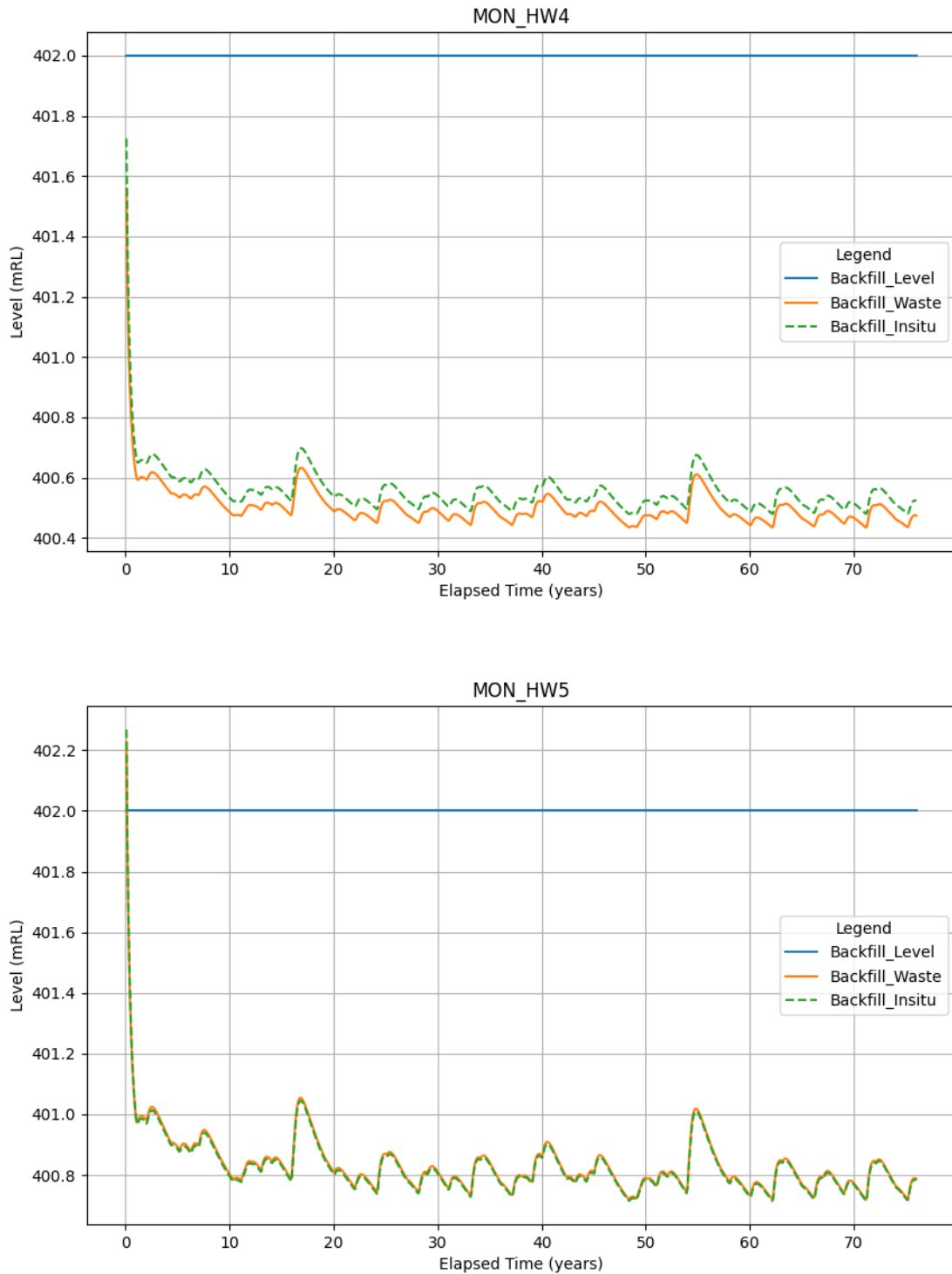


Figure B-83 Predicted pit water level recovery at Horseshoe West



Closure Results – Alternative Backfill Case

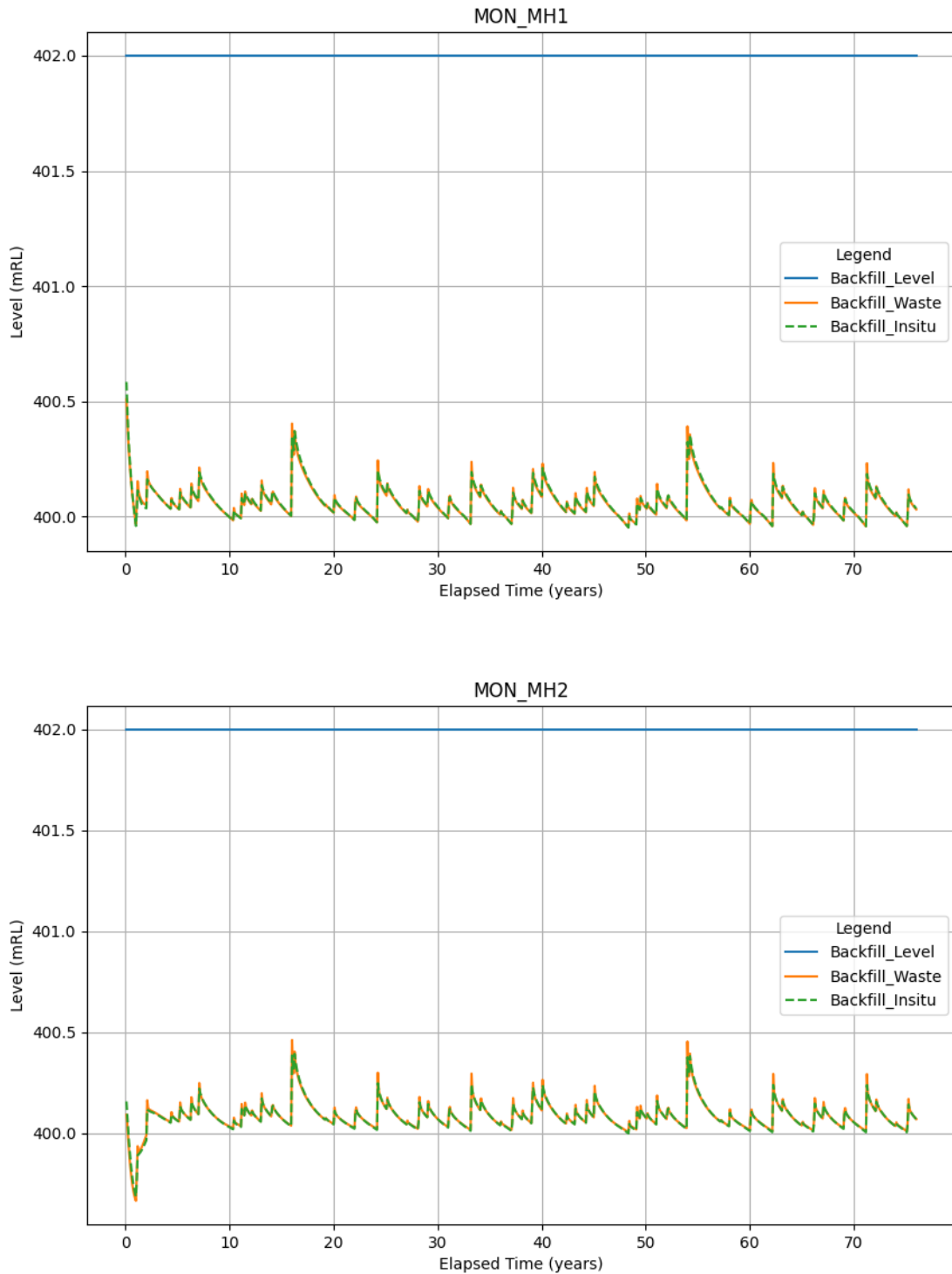


Figure B-84 Predicted pit water level recovery at Murray West



Closure Results – Alternative Backfill Case

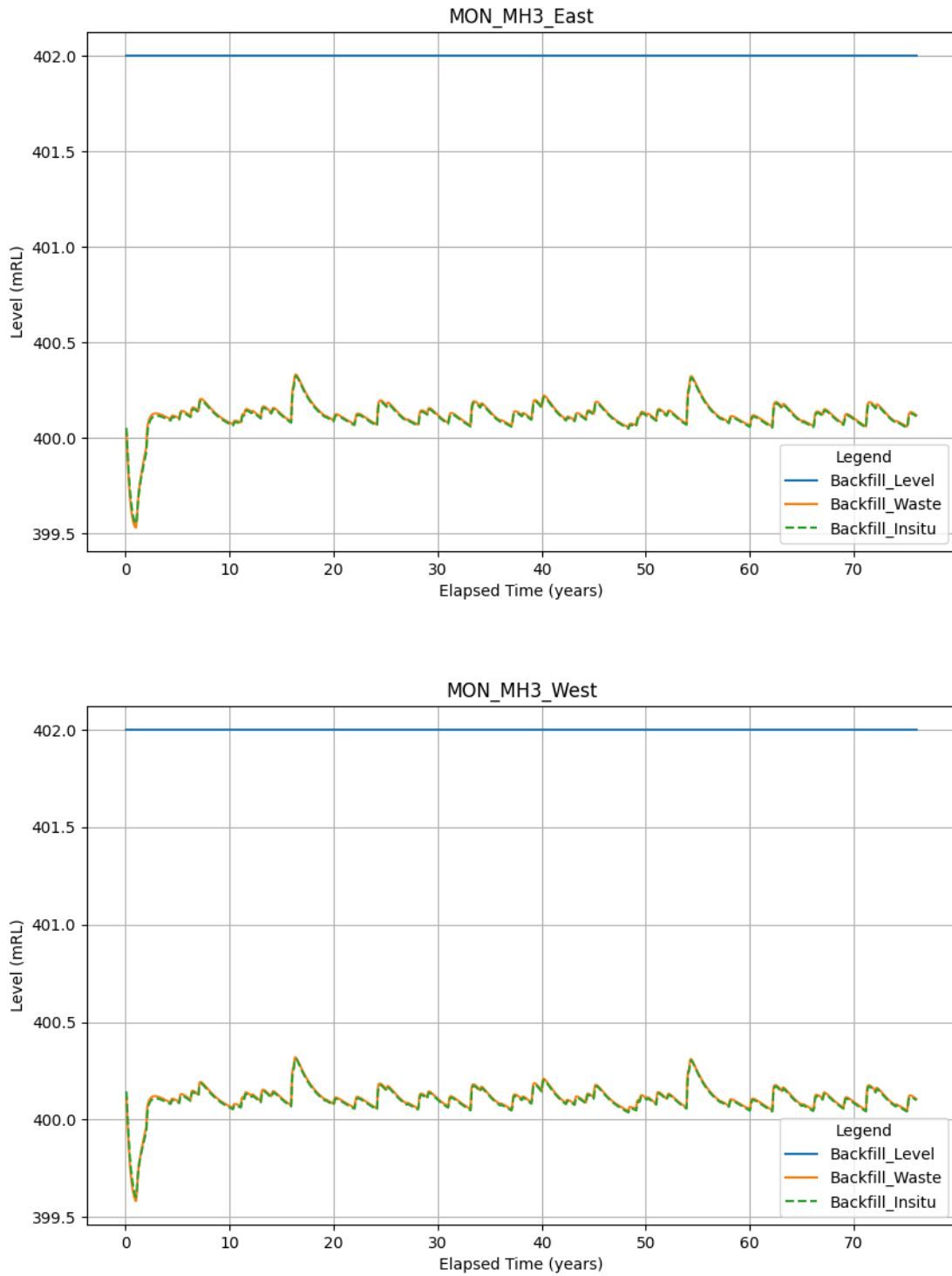


Figure B-85 Predicted pit water level recovery at Murray West



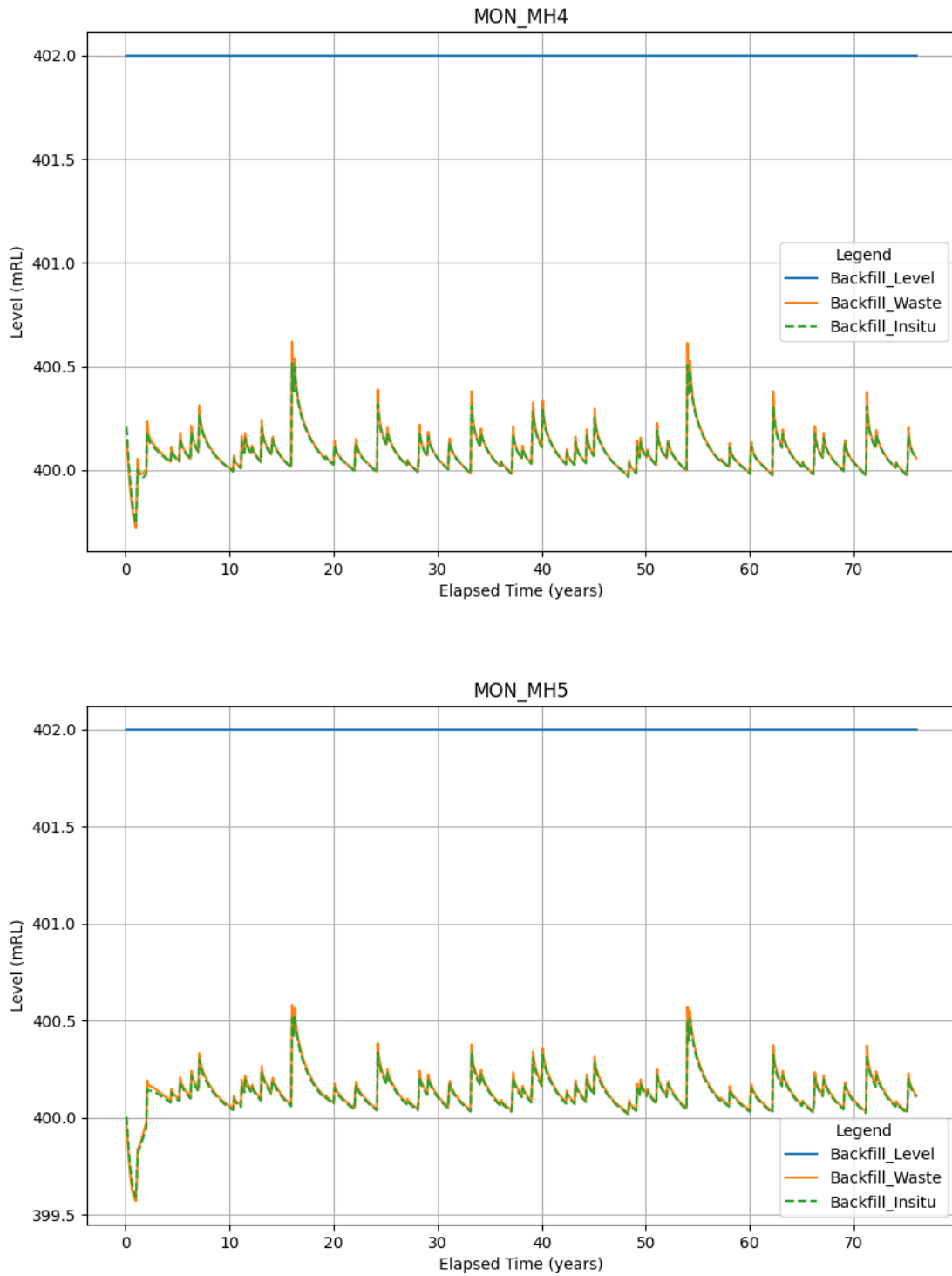


Figure B-86 Predicted pit water level recovery at Murray West



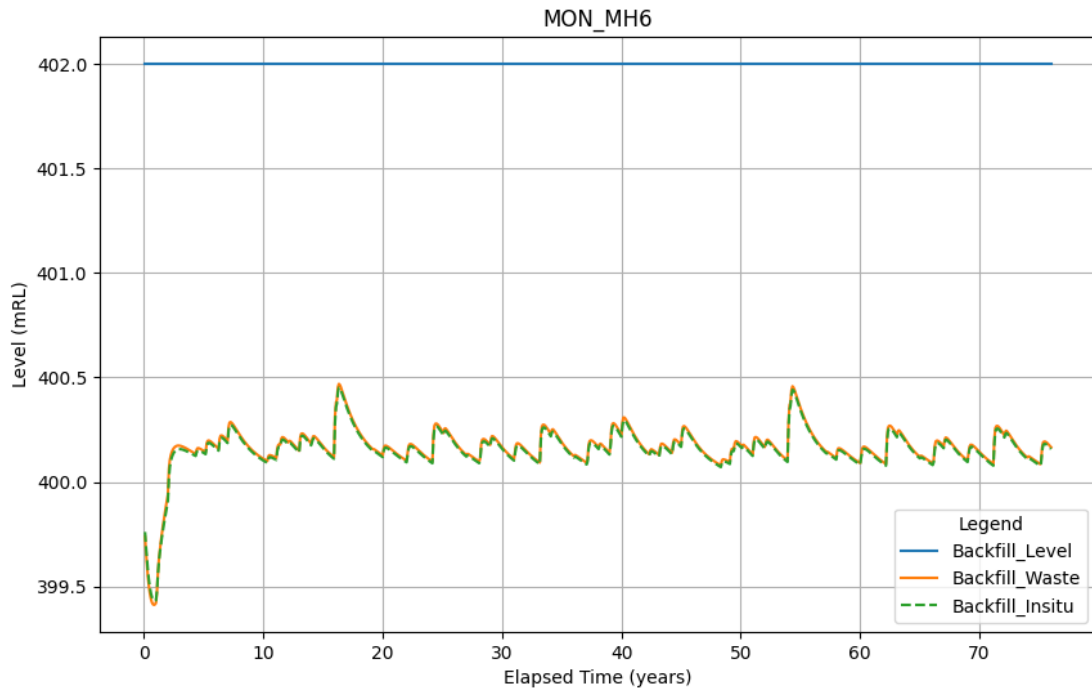


Figure B-87 Predicted pit water level recovery at Murray West



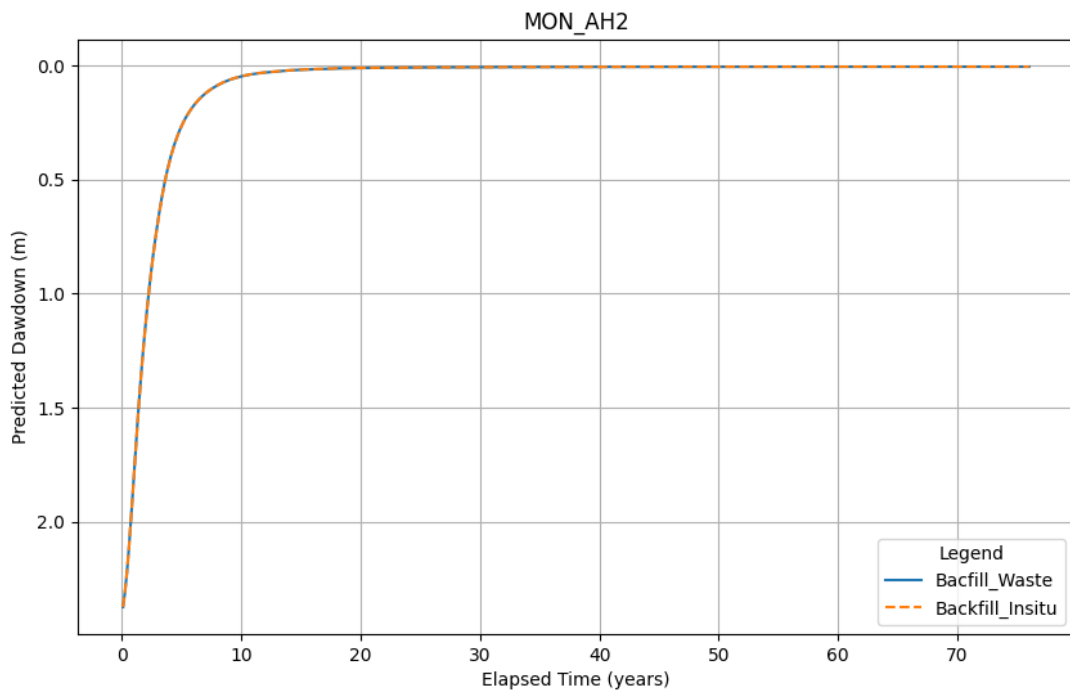
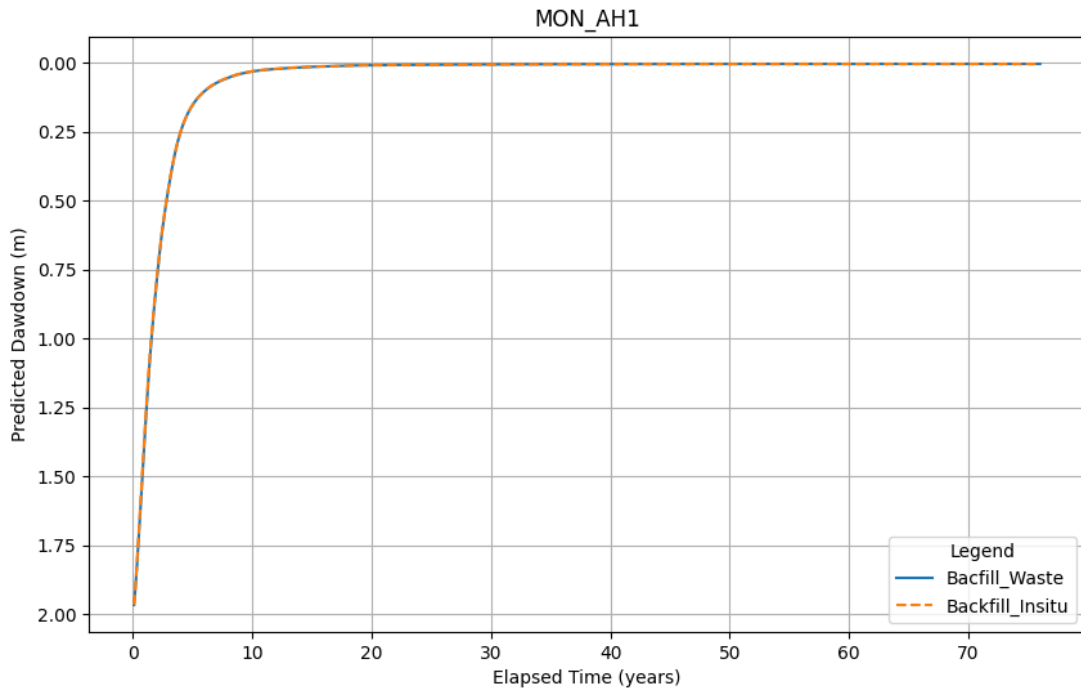


Figure B-88 Predicted aquifer recovery at Anticline Hill



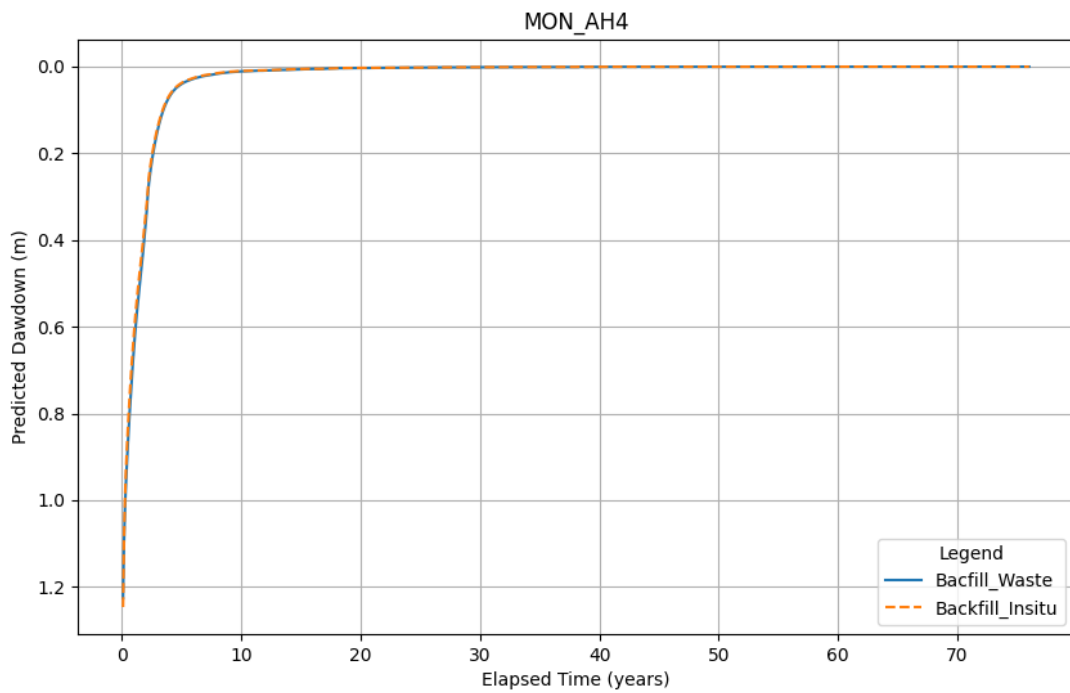
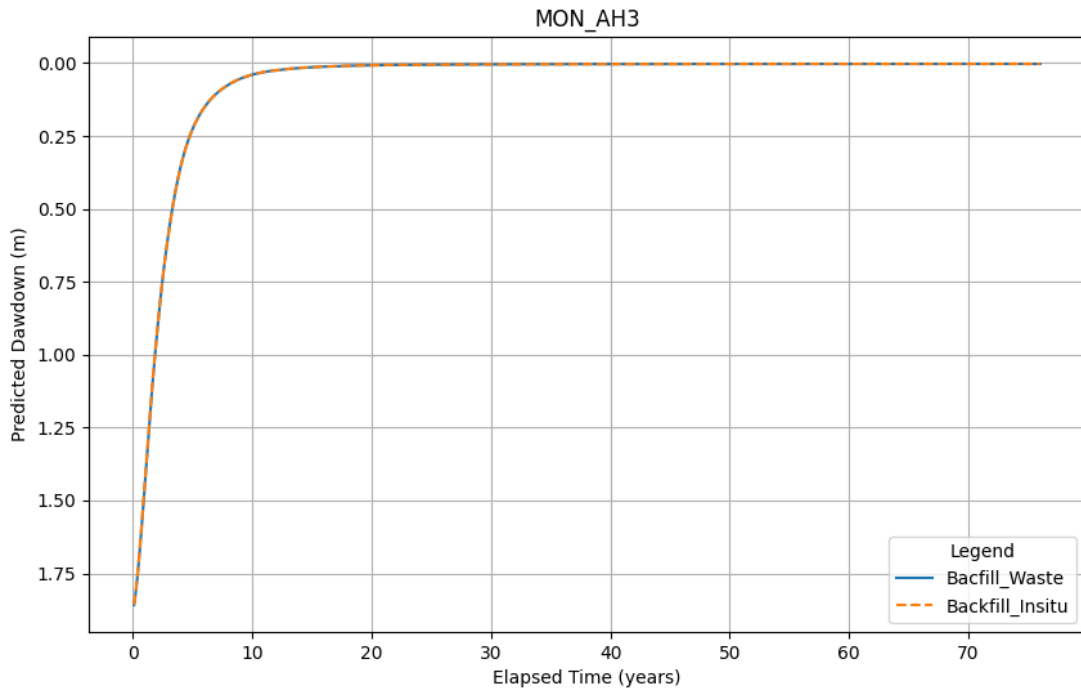


Figure B-89 Predicted aquifer recovery at Anticline Hill



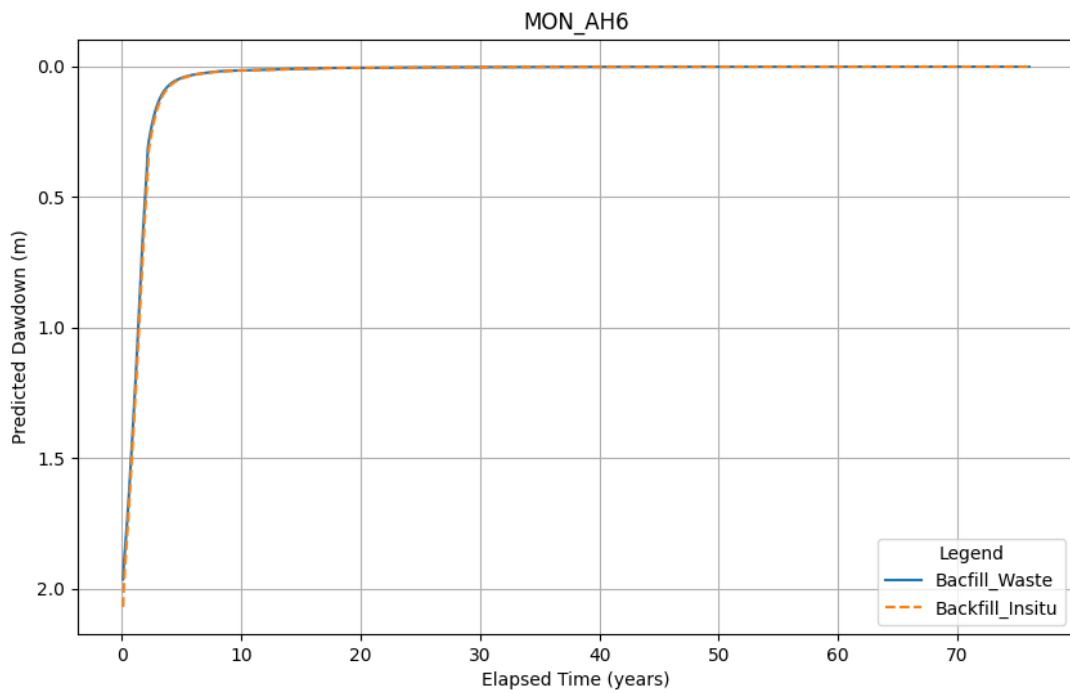
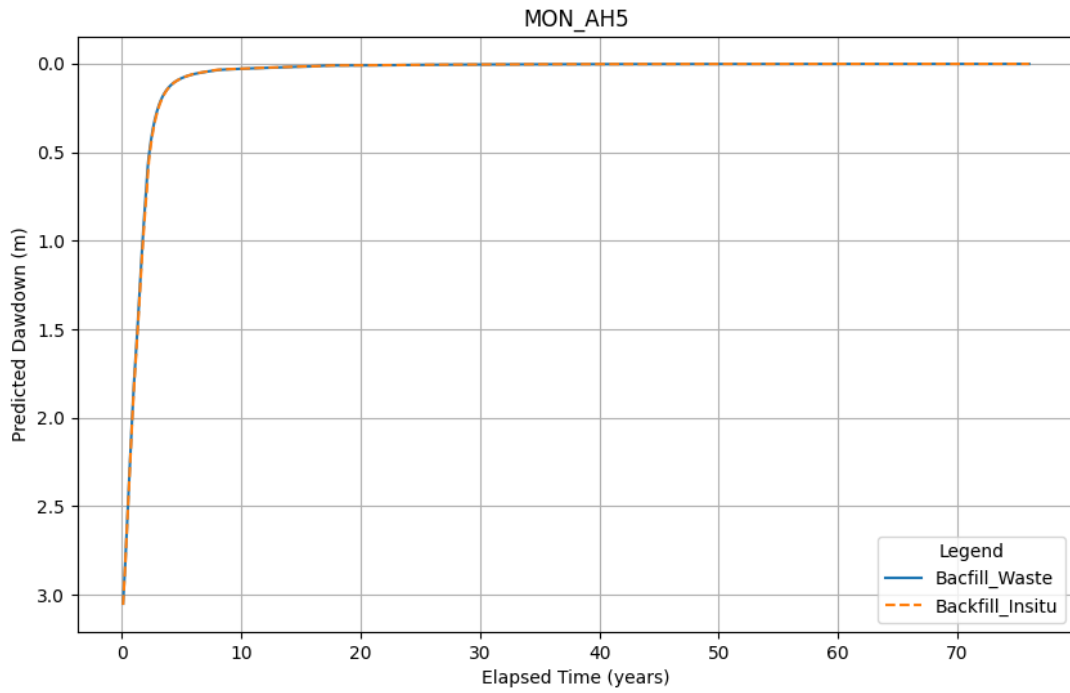


Figure B-90 Predicted aquifer recovery at Anticline Hill



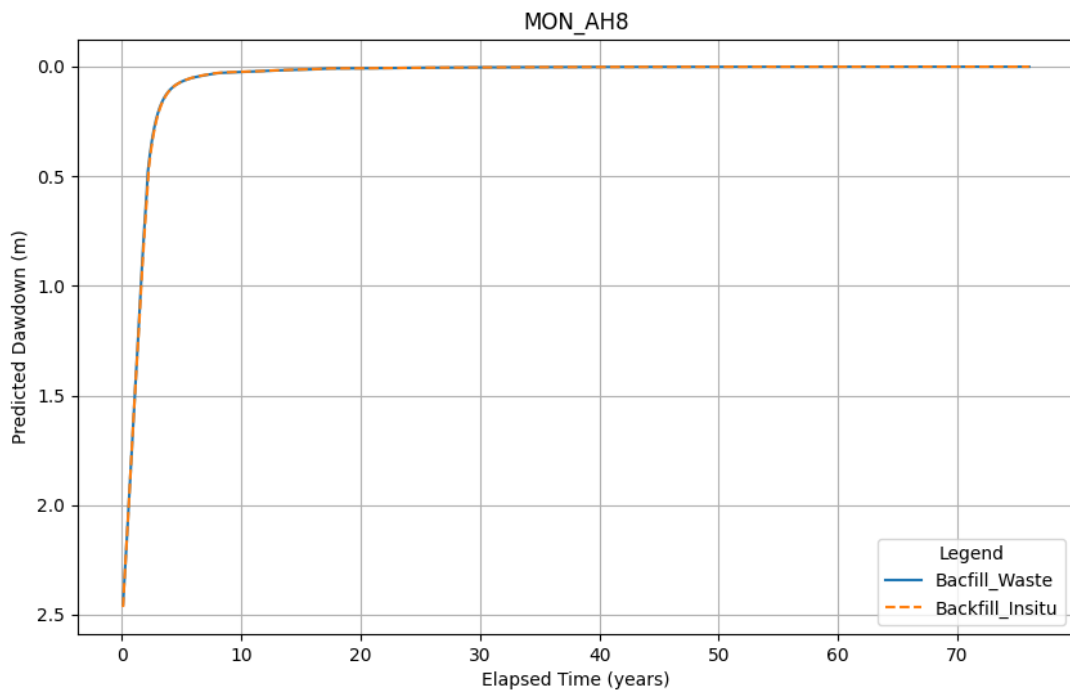
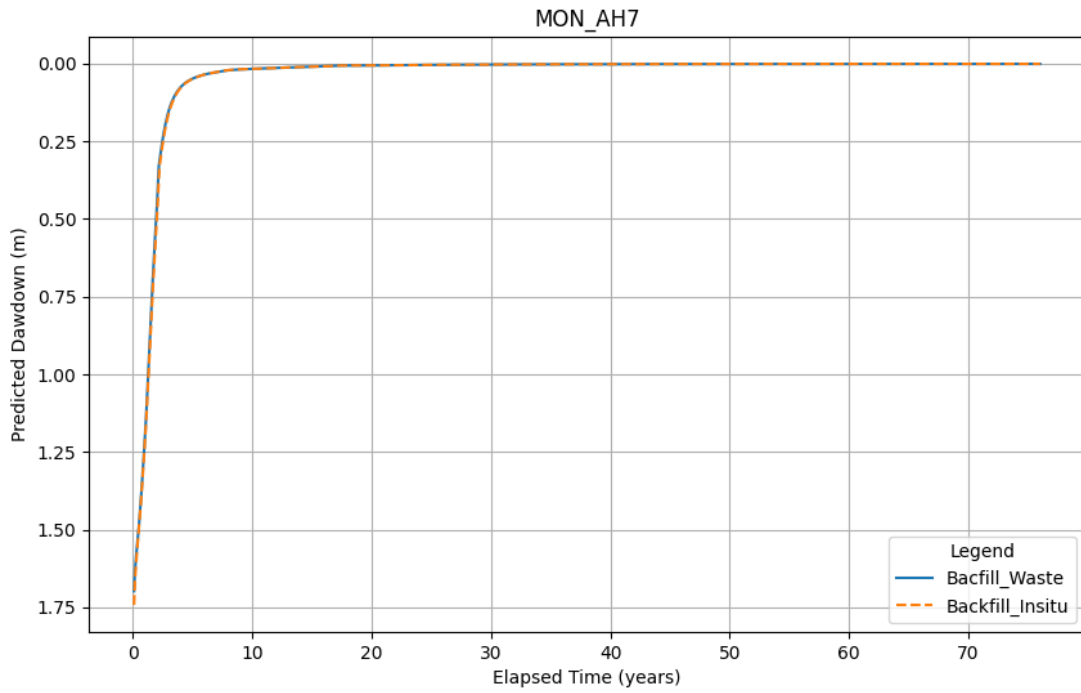


Figure B-91 Predicted aquifer recovery at Anticline Hill



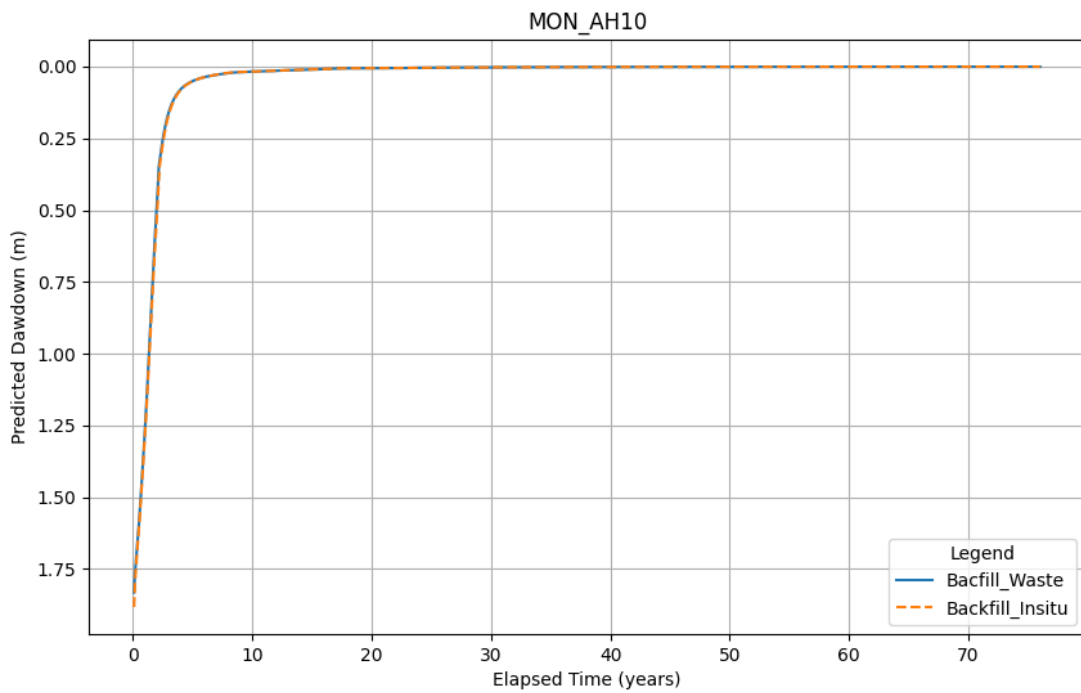
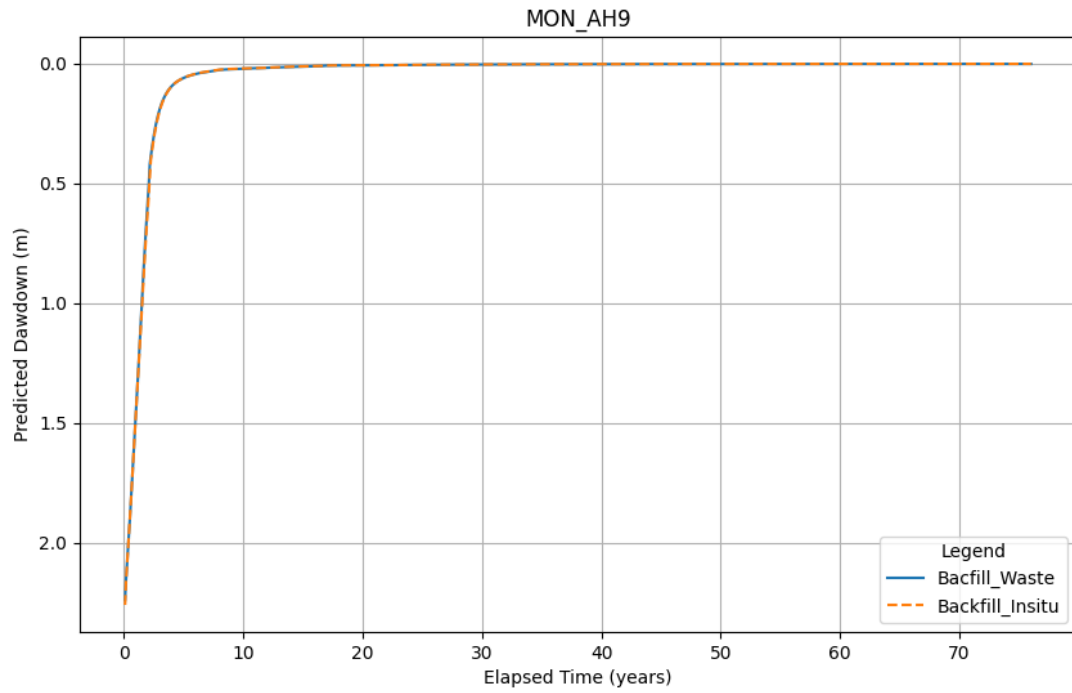


Figure B-92 Predicted aquifer recovery at Anticline Hill



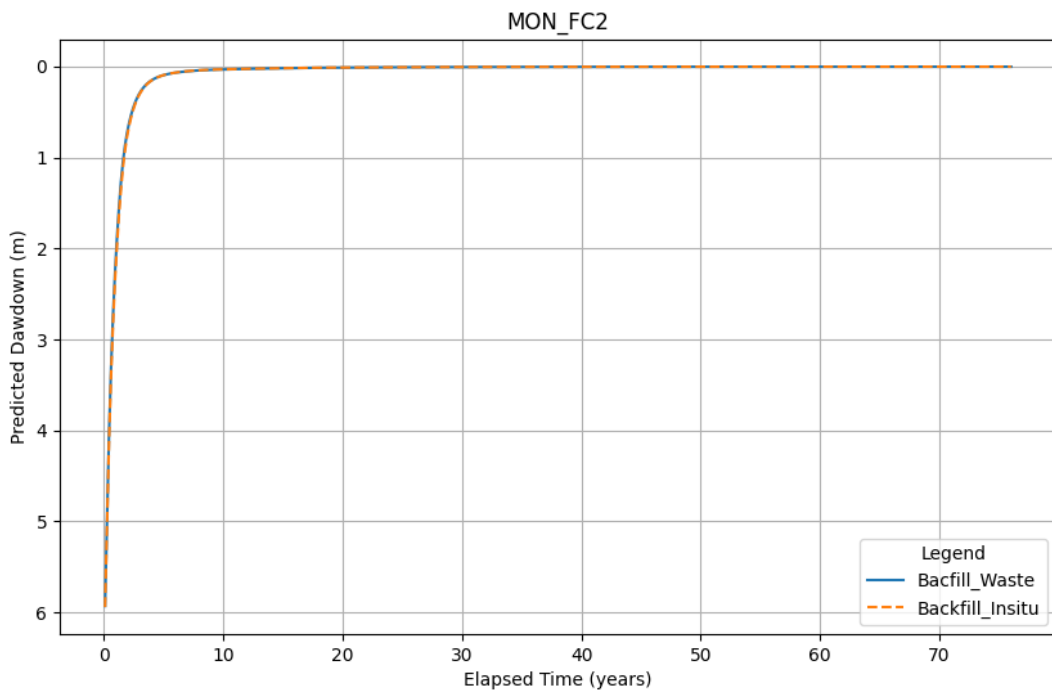
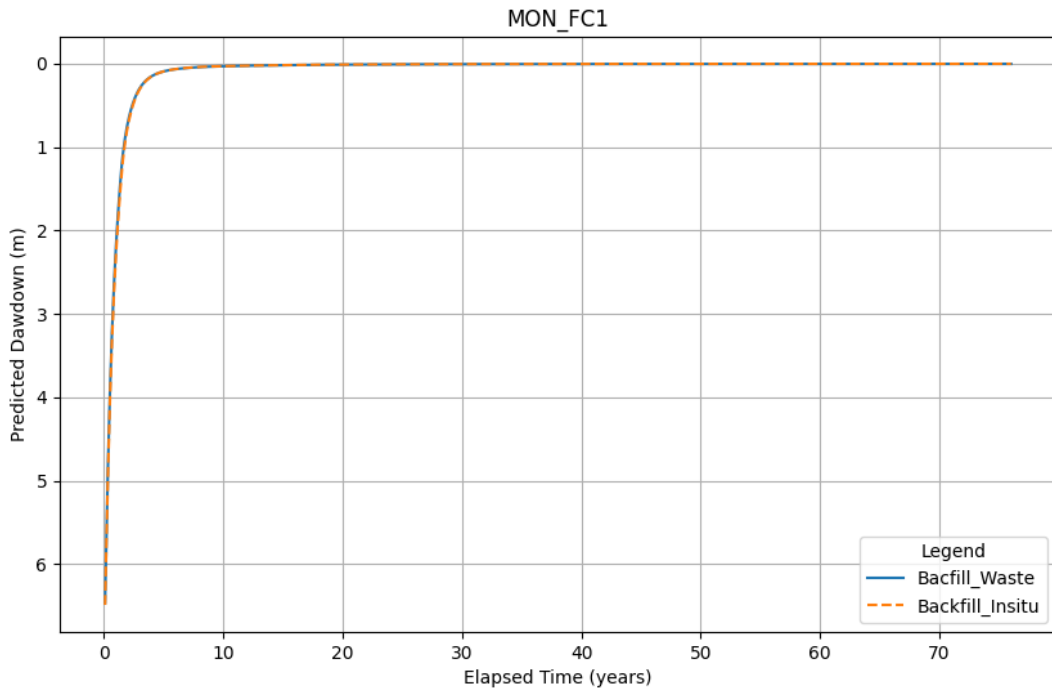


Figure B-93 Predicted aquifer recovery at Fridge Central



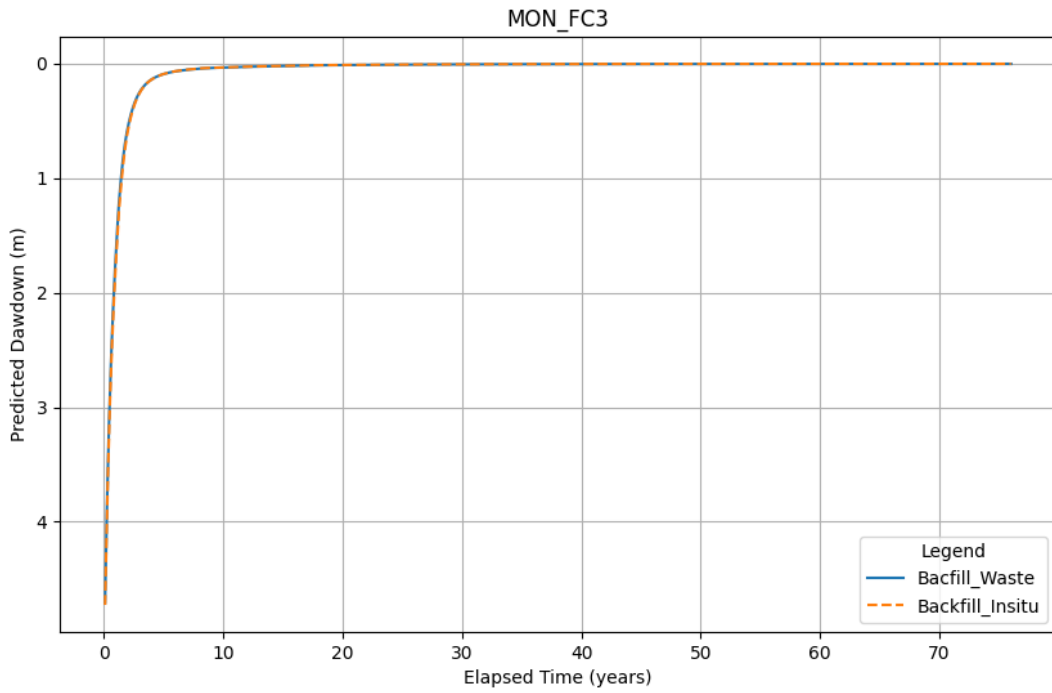


Figure B-94 Predicted aquifer recovery at Fridge Central

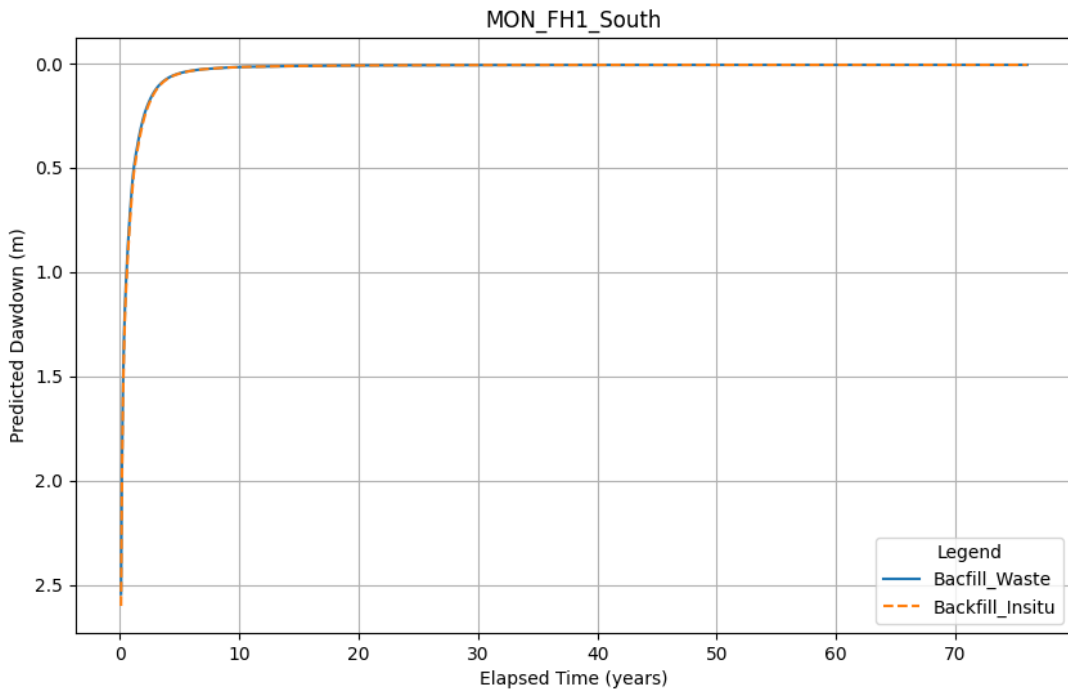


Figure B-95 Predicted aquifer recovery at Fridge Hill



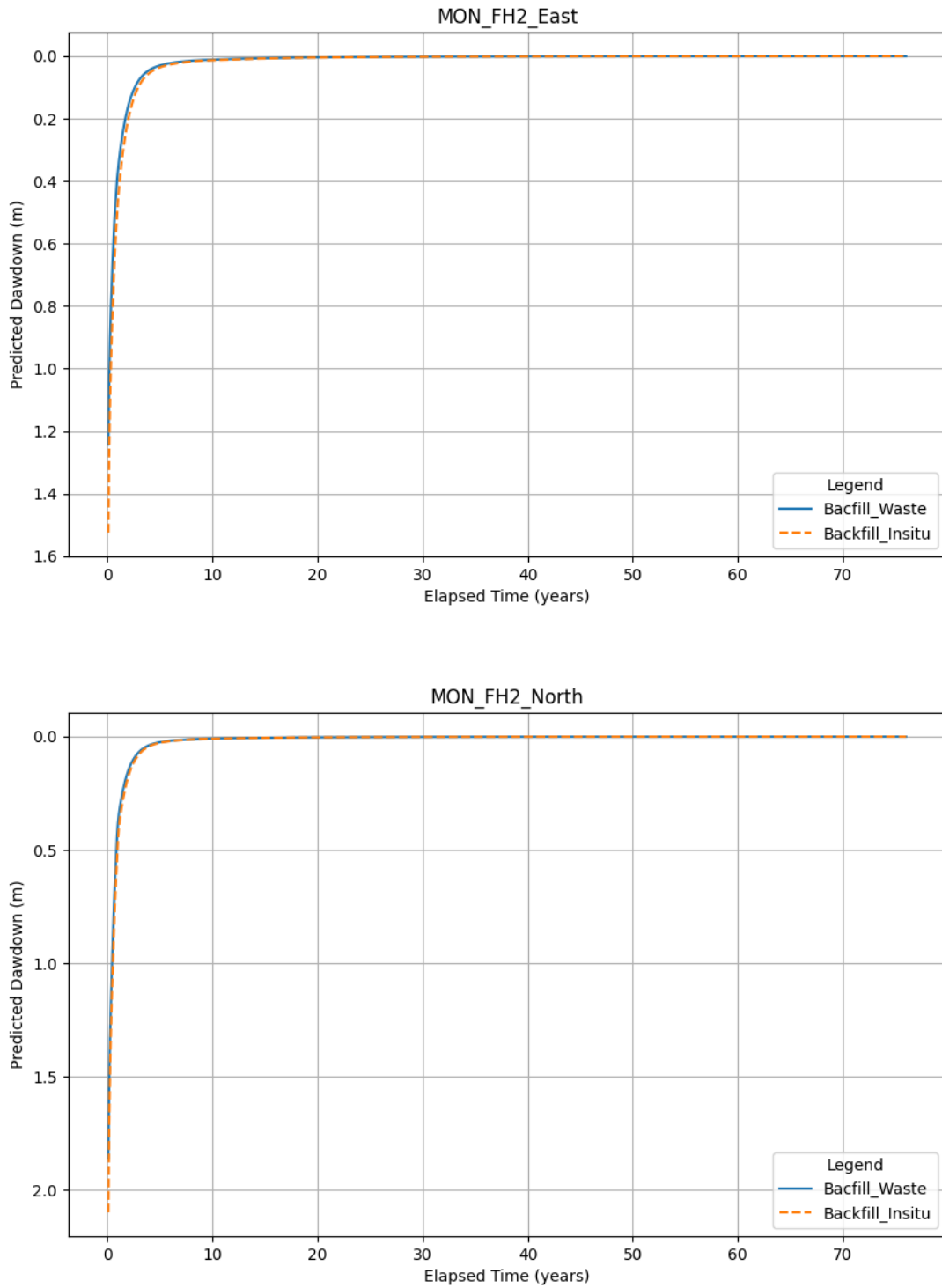


Figure B-96 Predicted aquifer recovery at Fridge Hill



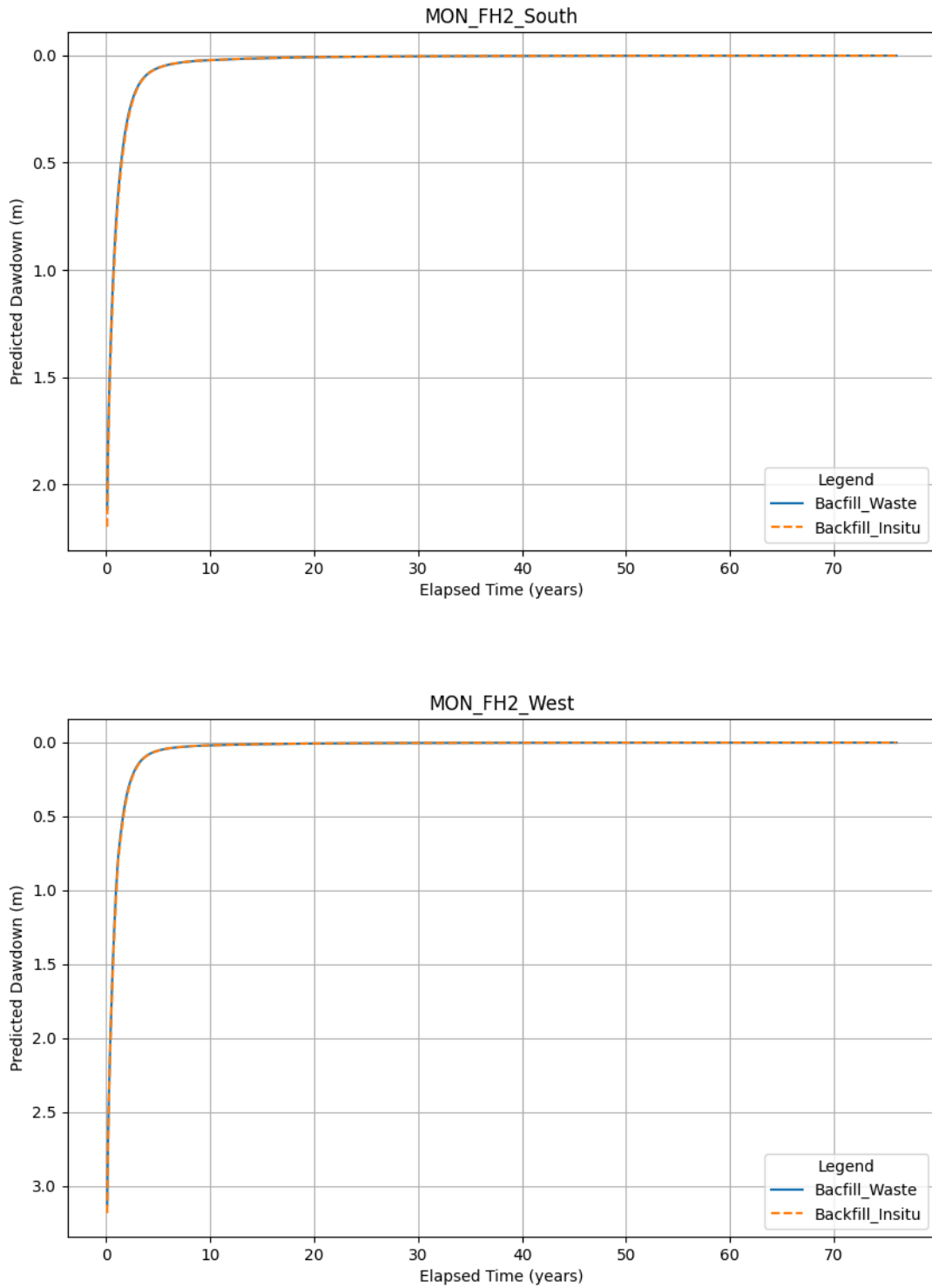


Figure B-97 Predicted aquifer recovery at Fridge Hill



Closure Results – Alternative Backfill Case

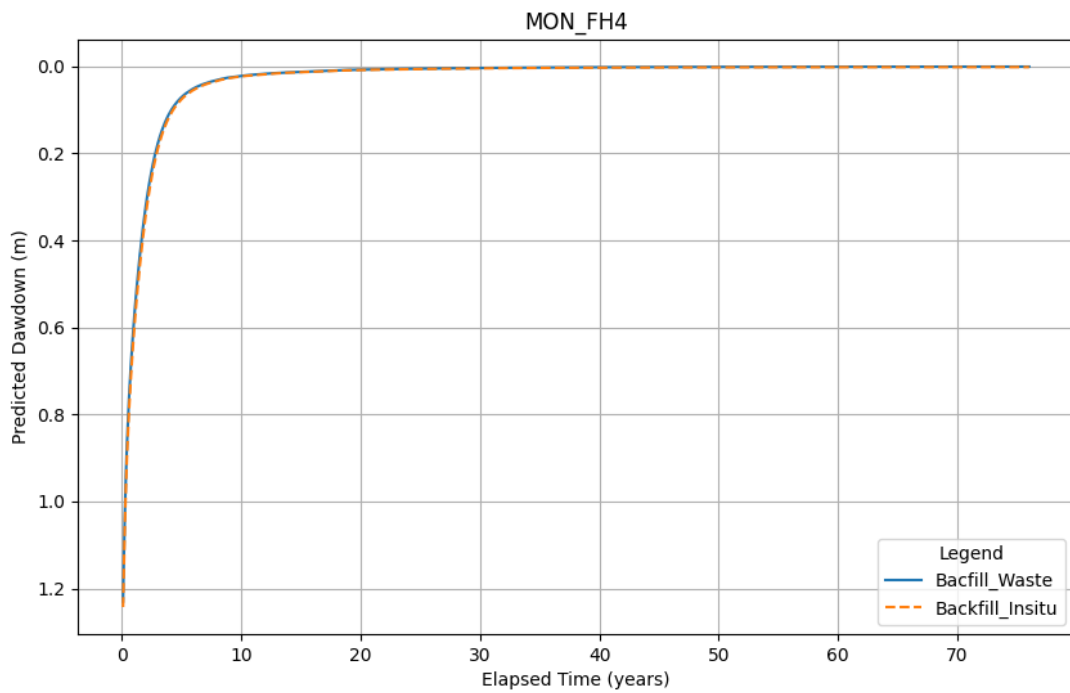
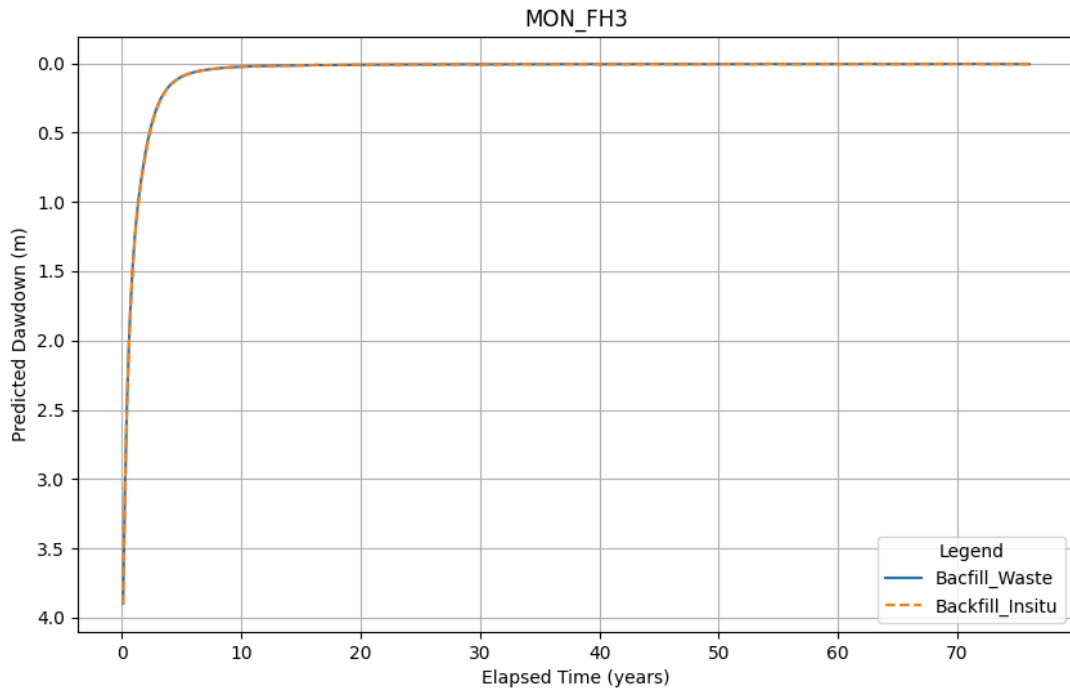


Figure B-98 Predicted aquifer recovery at Fridge Hill



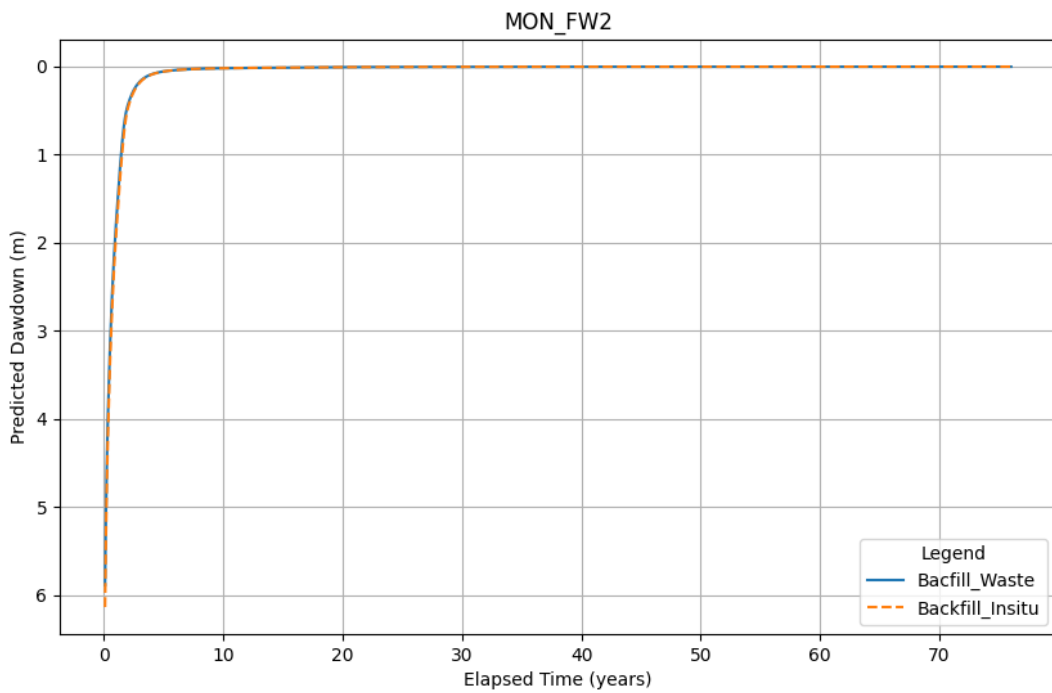
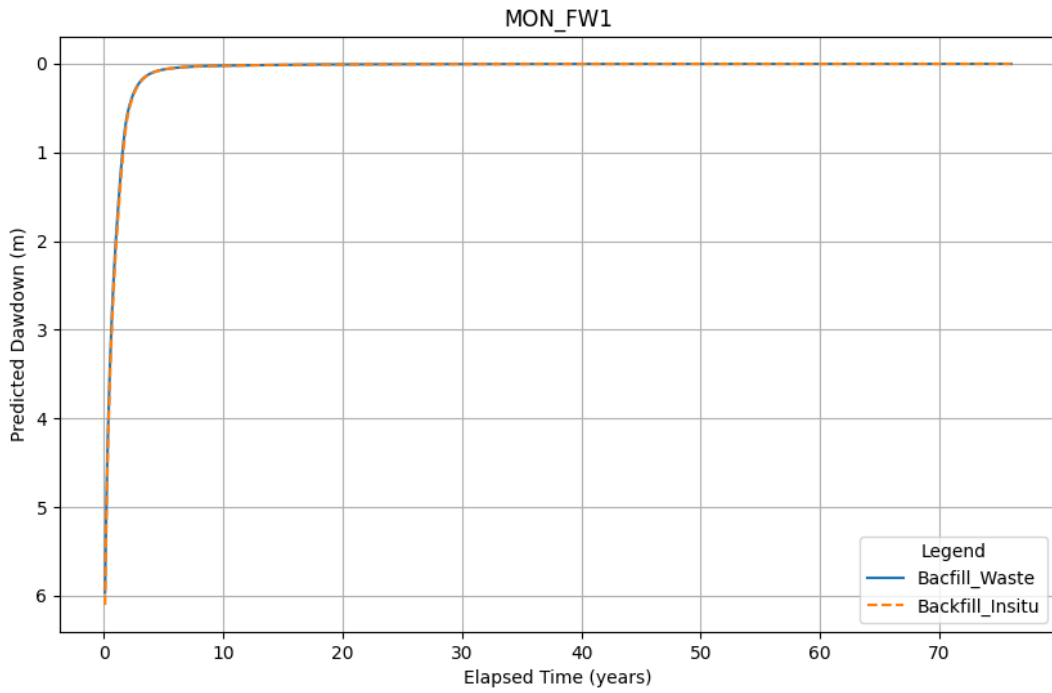


Figure B-99 Predicted aquifer recovery at Fridge West



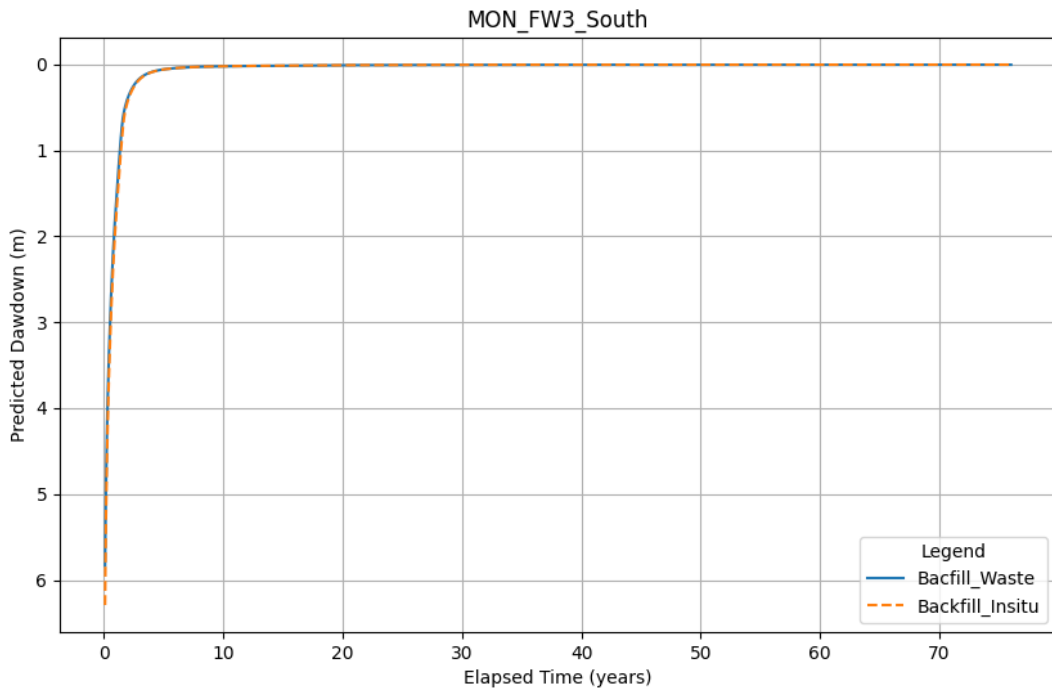
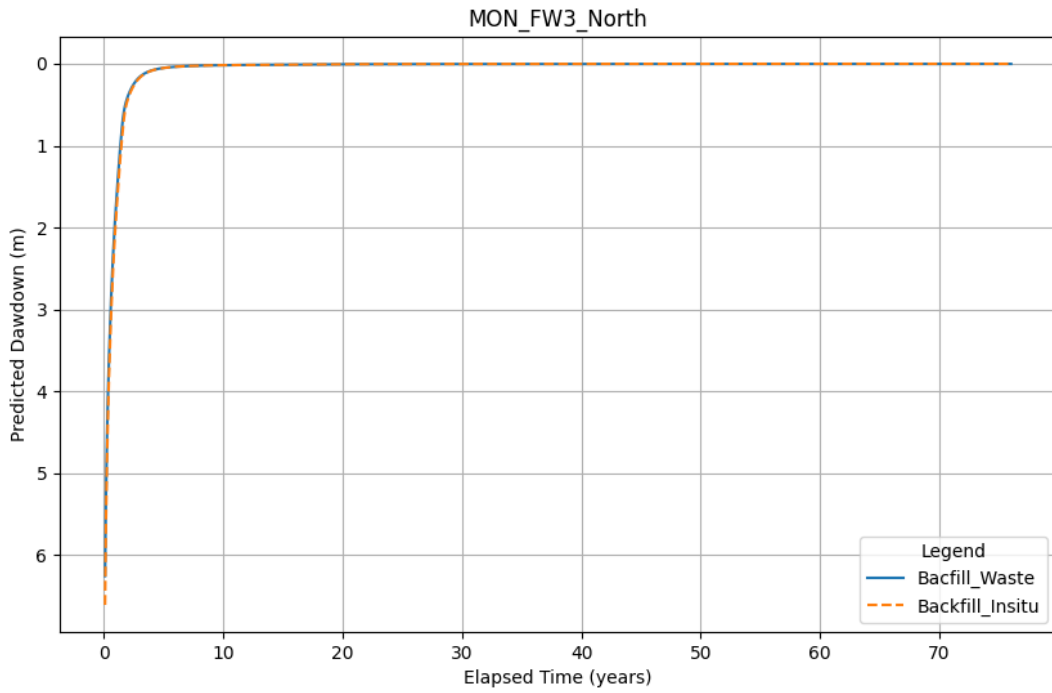


Figure B-100 Predicted aquifer recovery at Fridge West



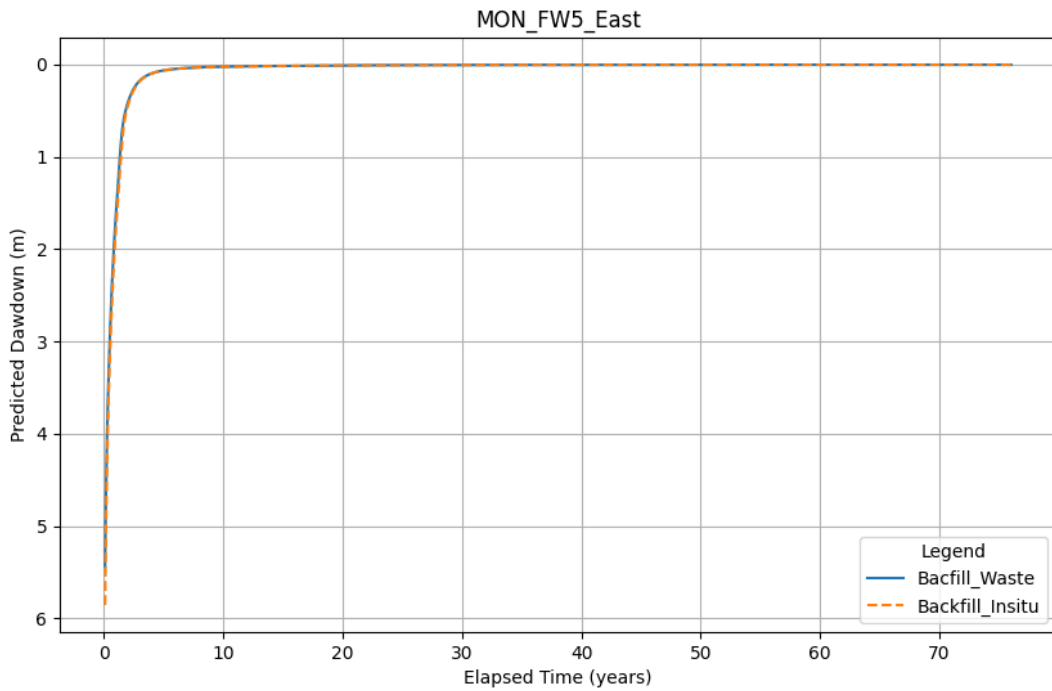
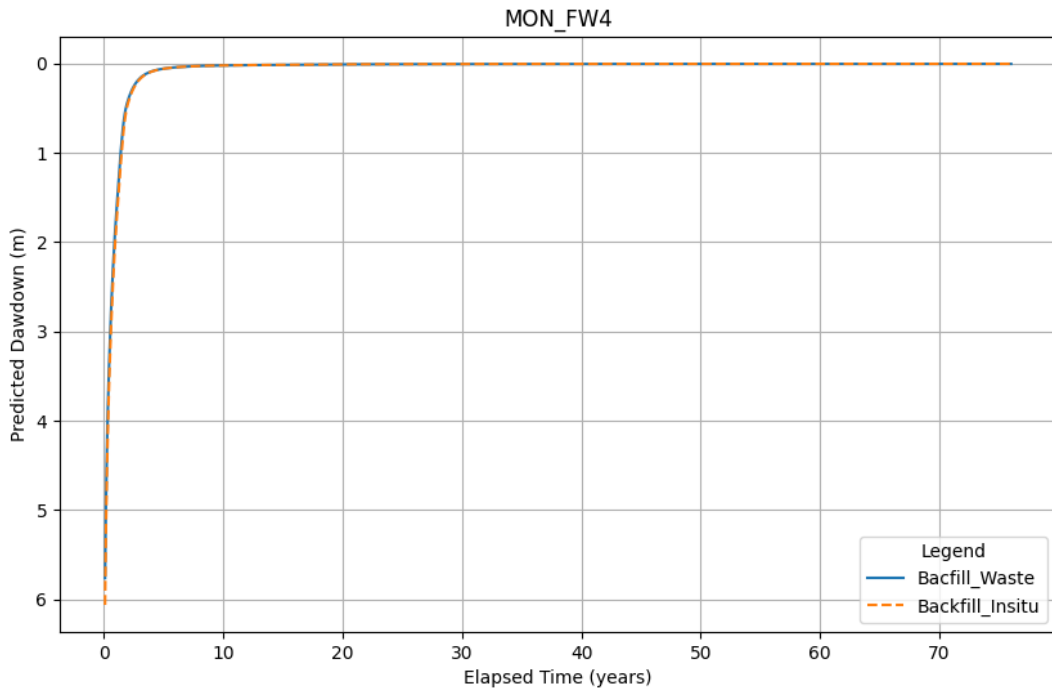


Figure B-101 Predicted aquifer recovery at Fridge West



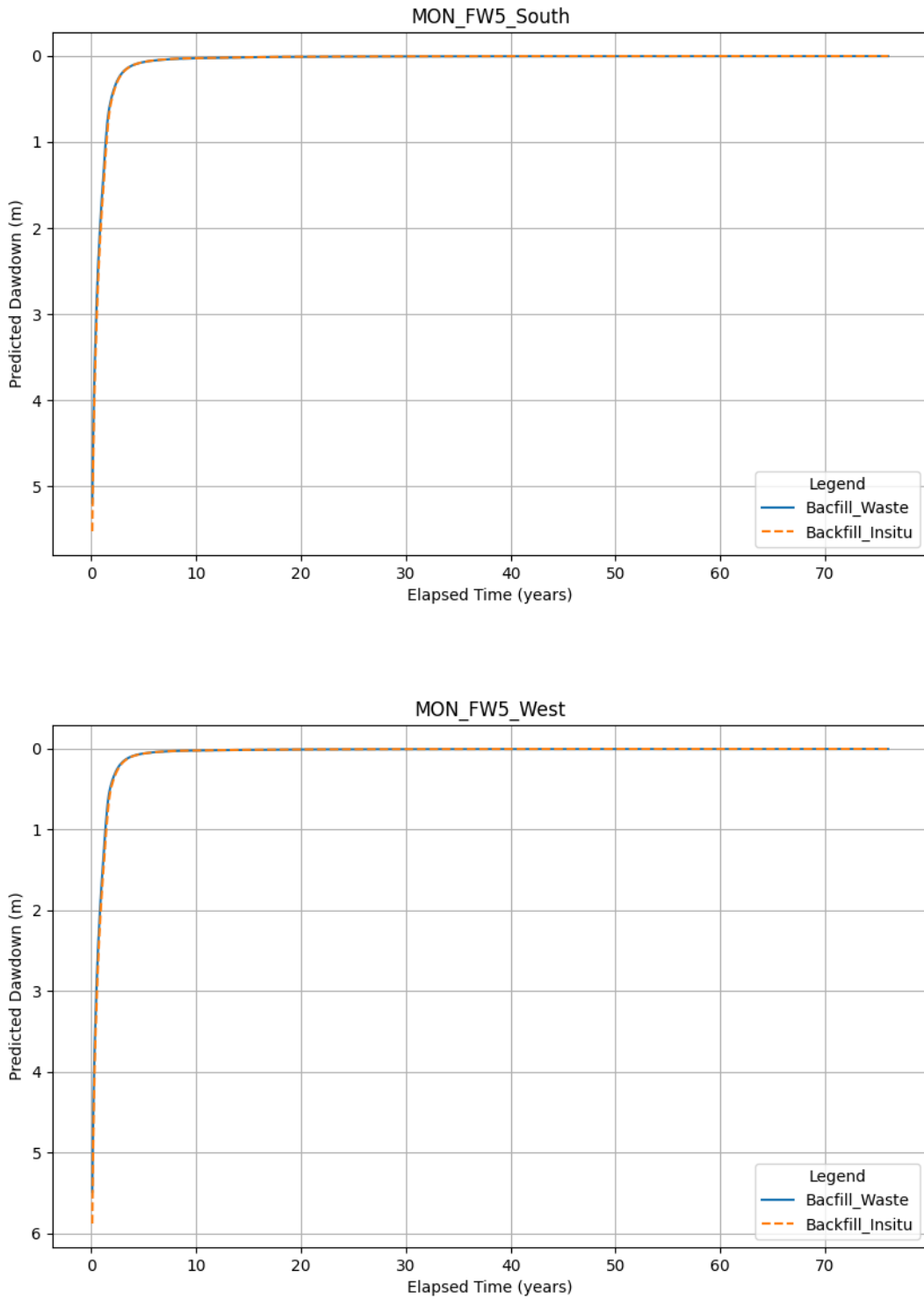


Figure B-102 Predicted aquifer recovery at Fridge West



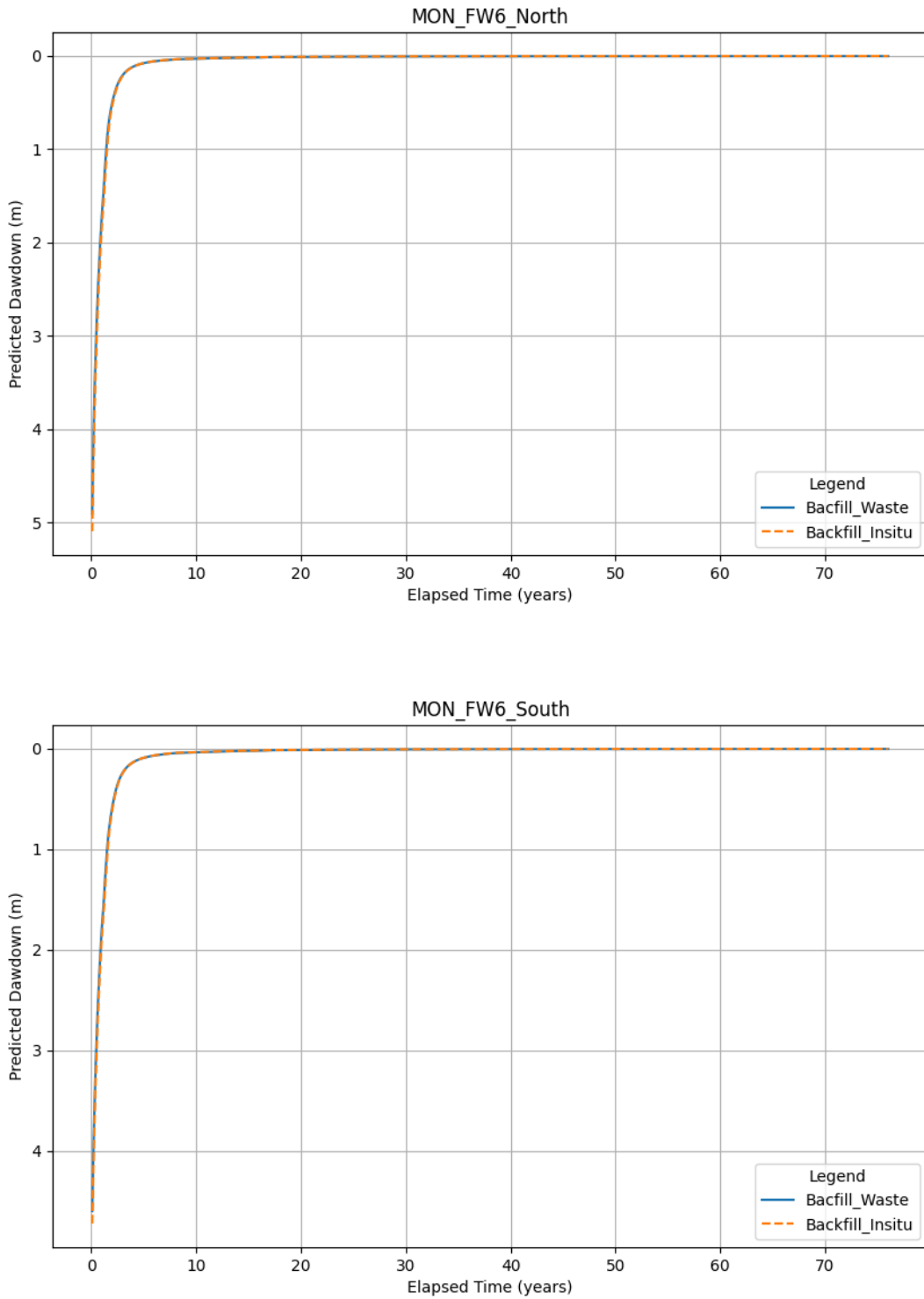


Figure B-103 Predicted aquifer recovery at Fridge West



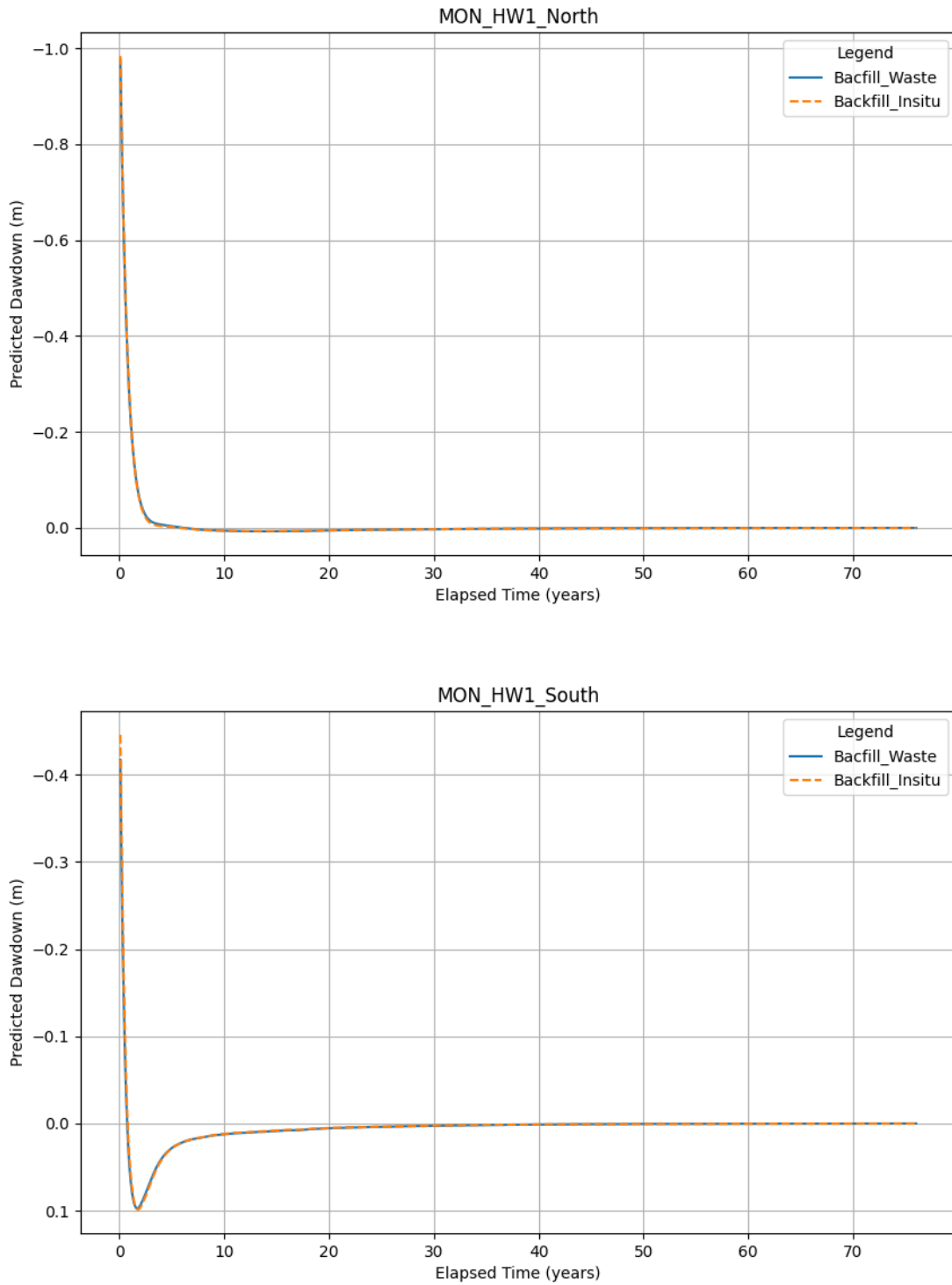


Figure B-104 Predicted aquifer recovery at Horseshoe West



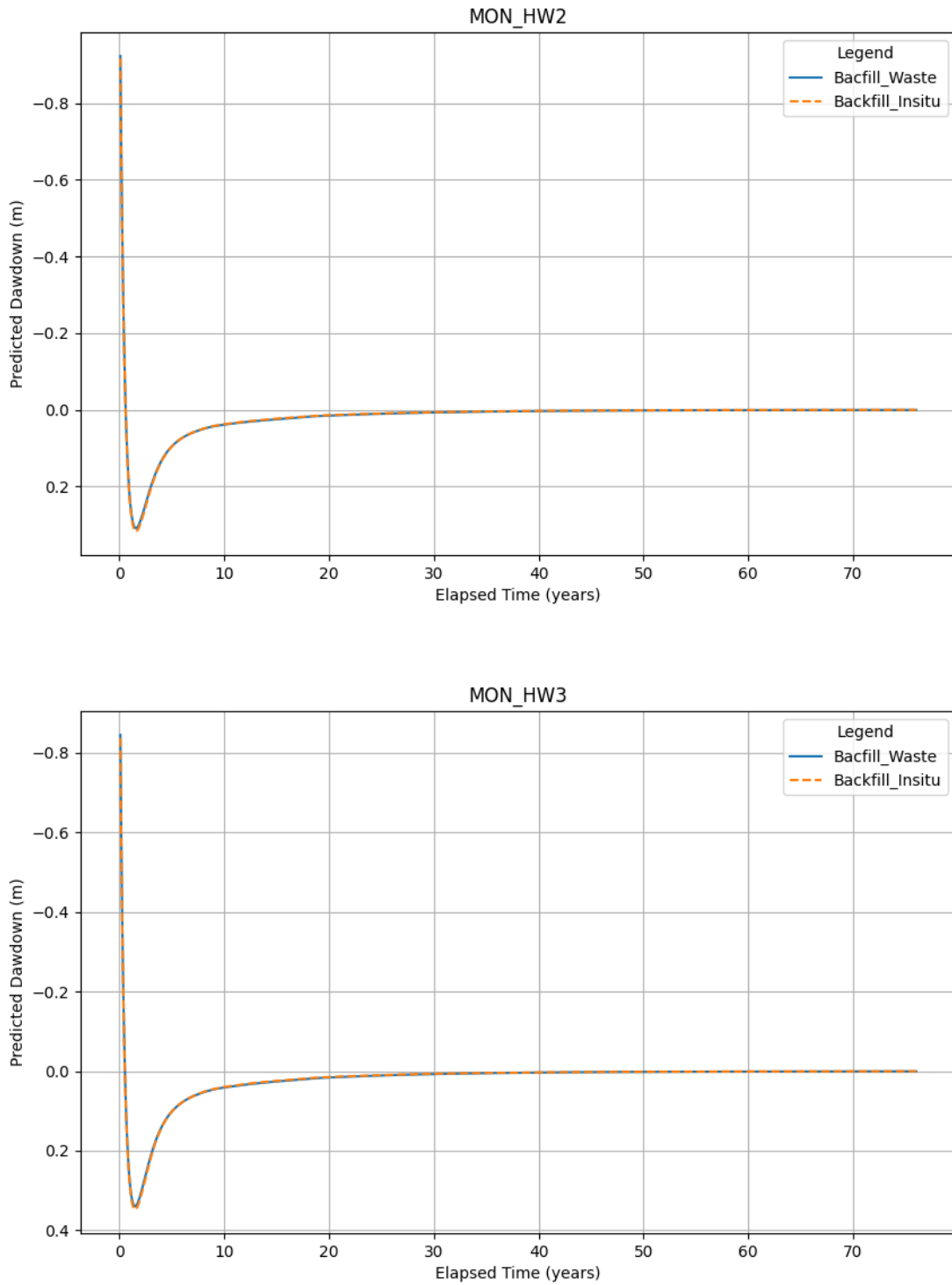


Figure B-105 Predicted aquifer recovery at Horseshoe West



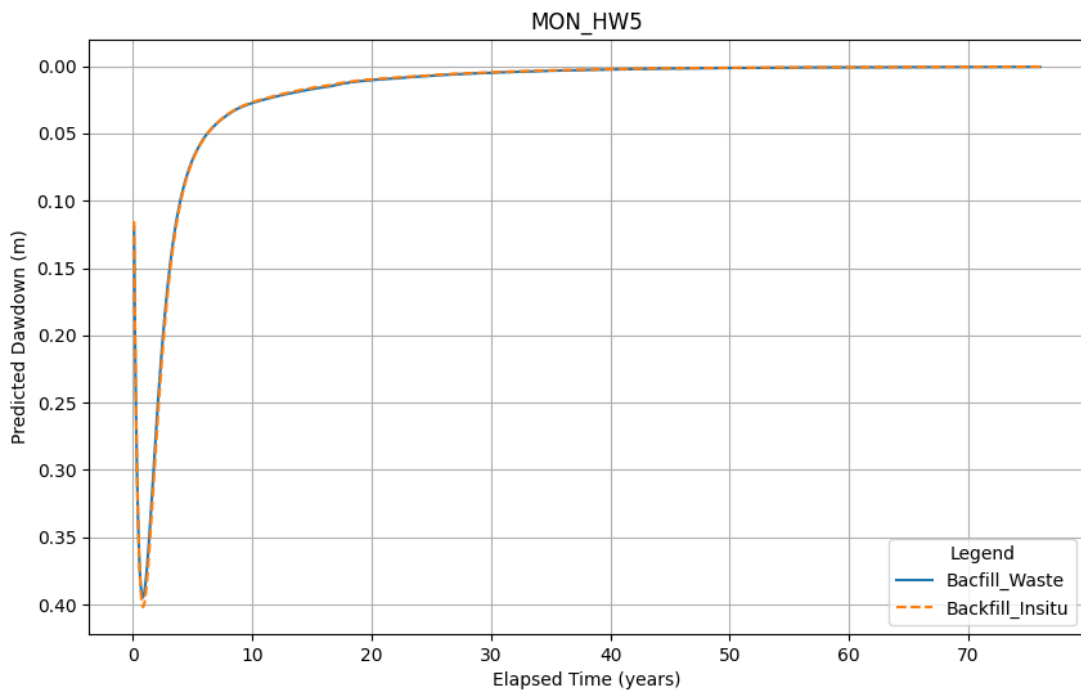
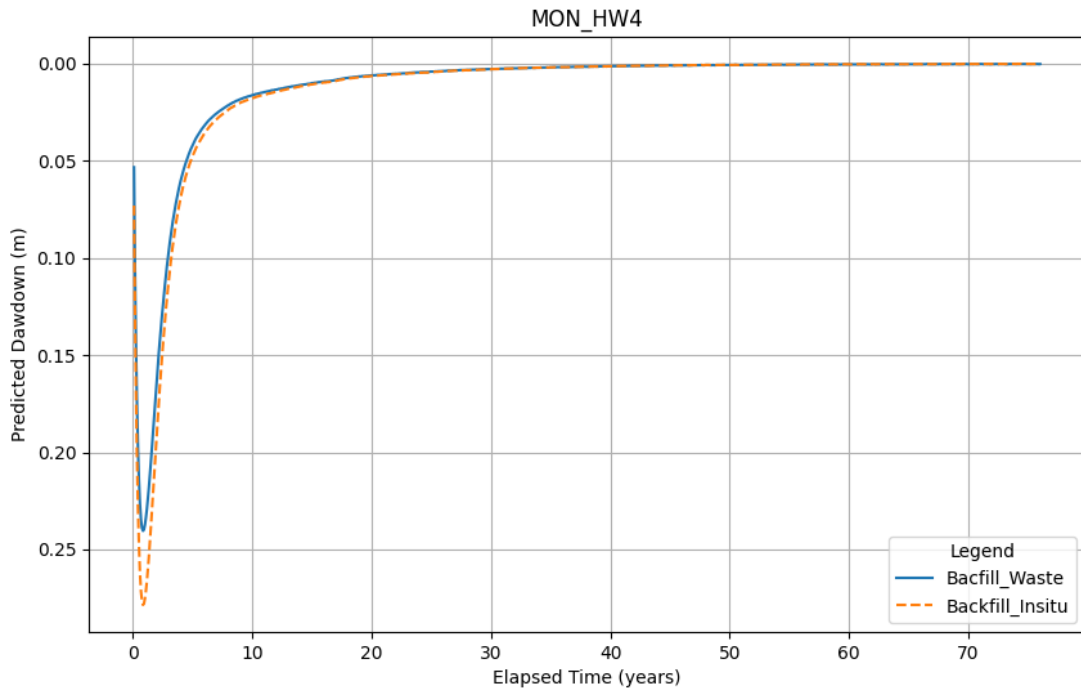


Figure B-106 Predicted aquifer recovery at Horseshoe West



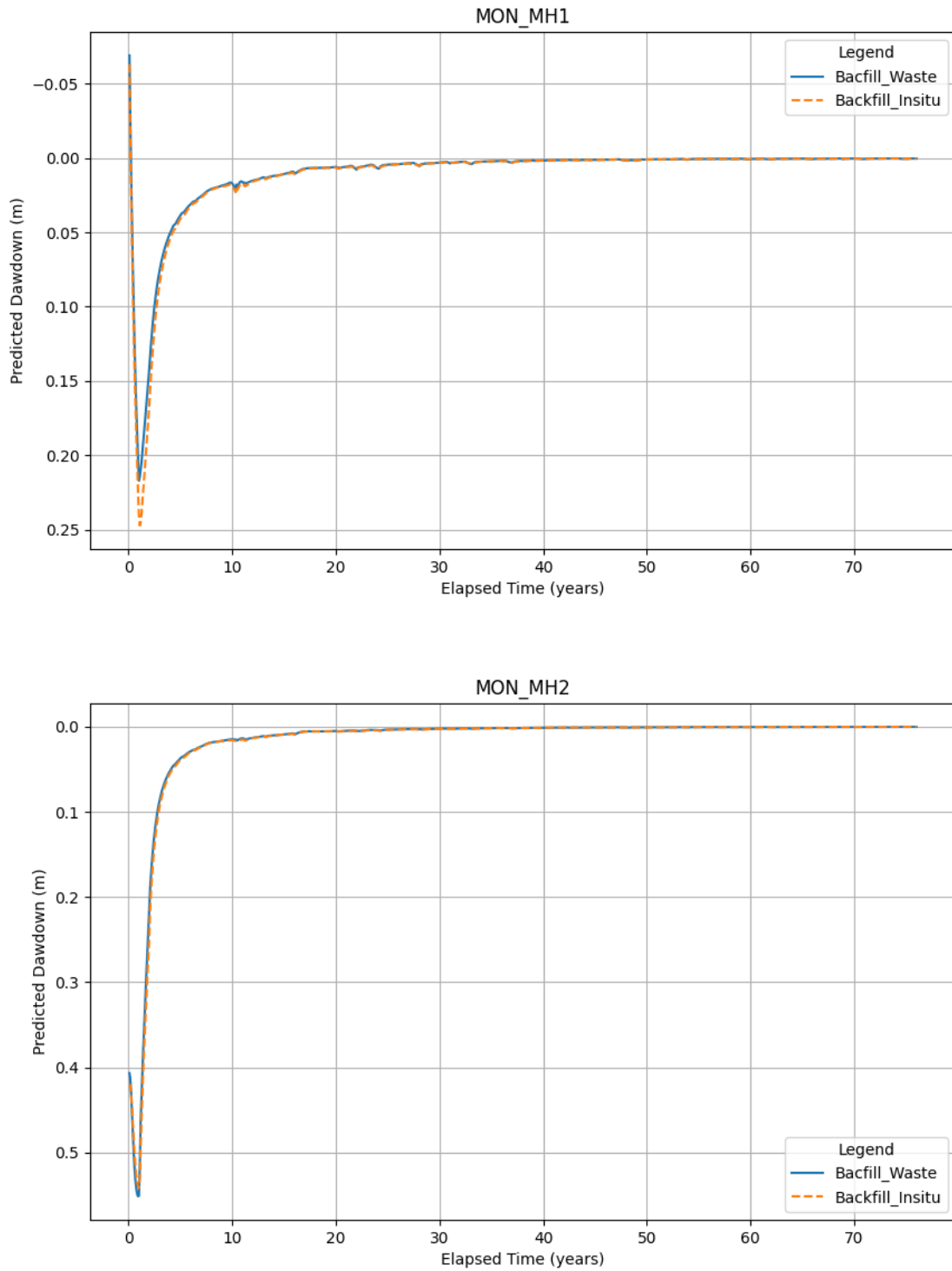


Figure B-107 Predicted aquifer recovery at Murray Hill



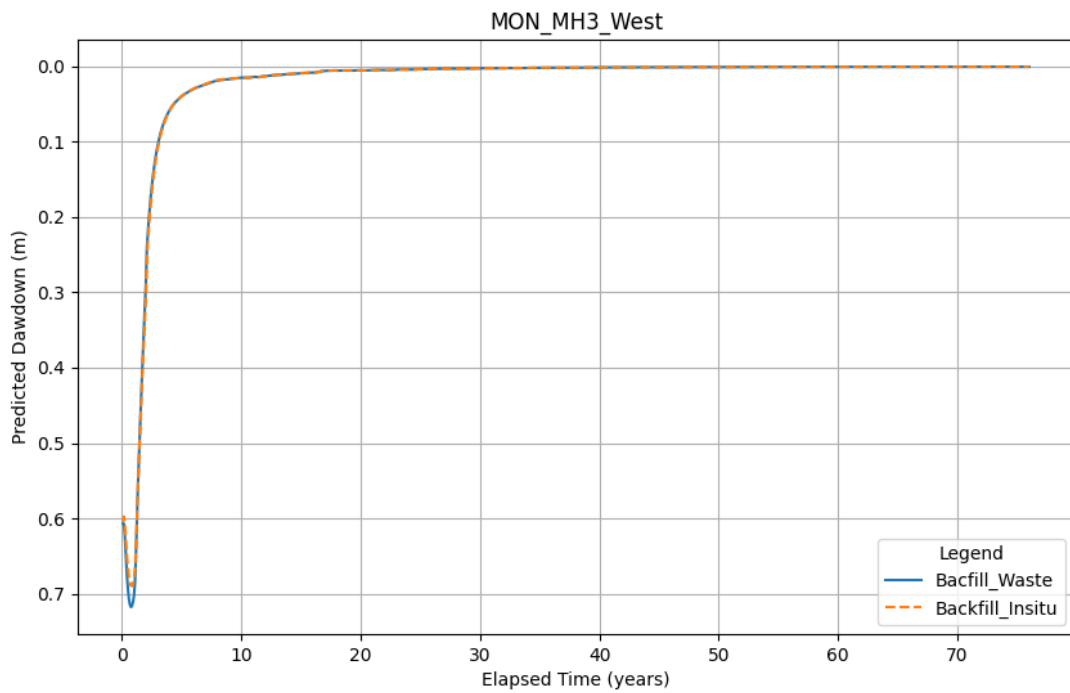
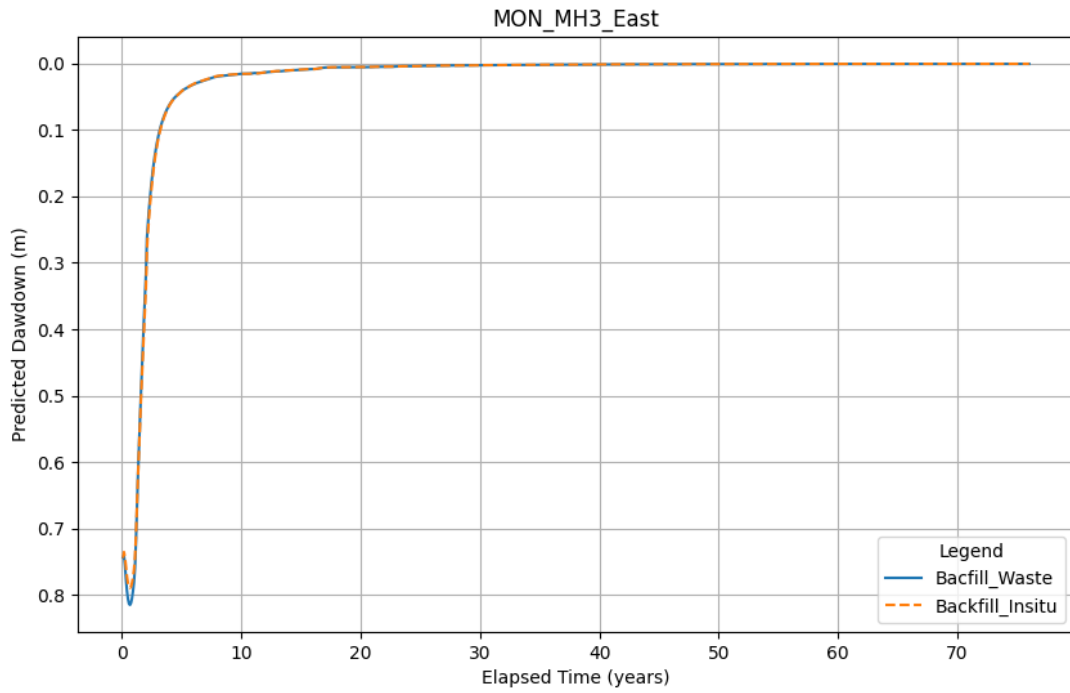


Figure B-108 Predicted aquifer recovery at Murray Hill



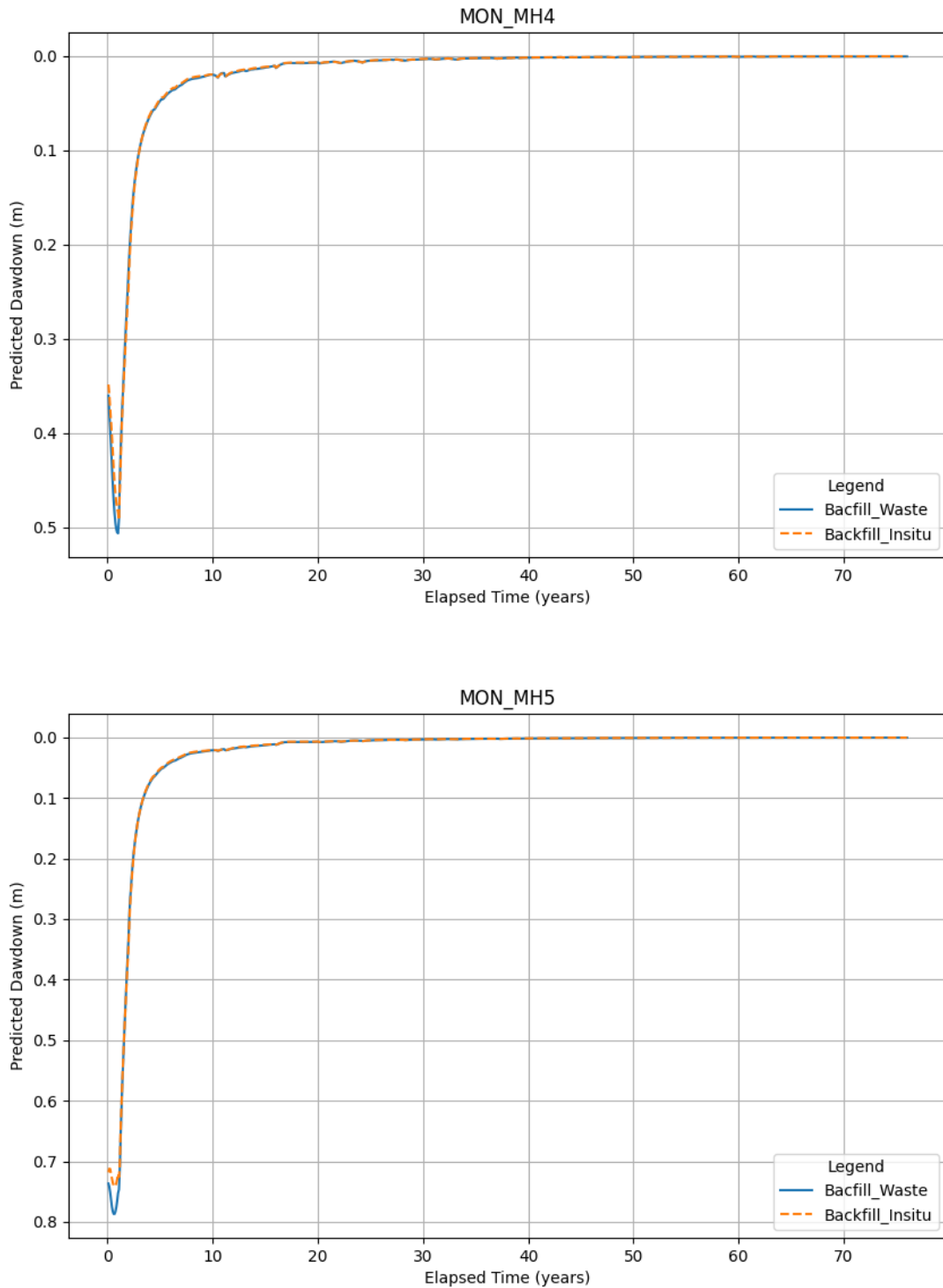


Figure B-109 Predicted aquifer recovery at Murray Hill



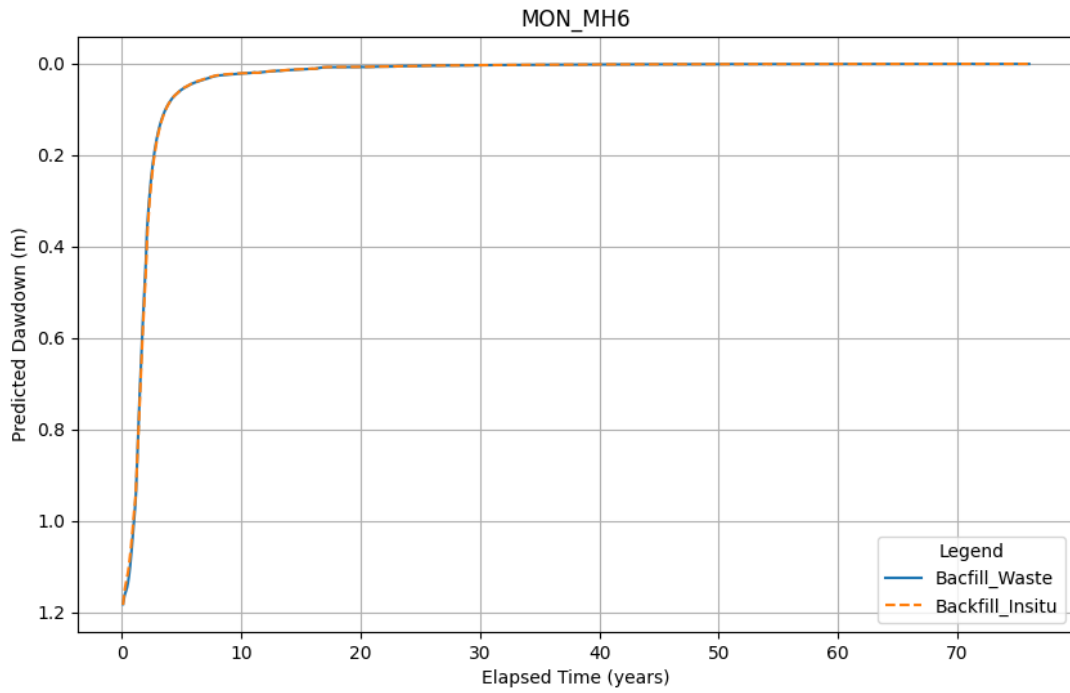


Figure B-110 Predicted aquifer recovery at Murray Hill

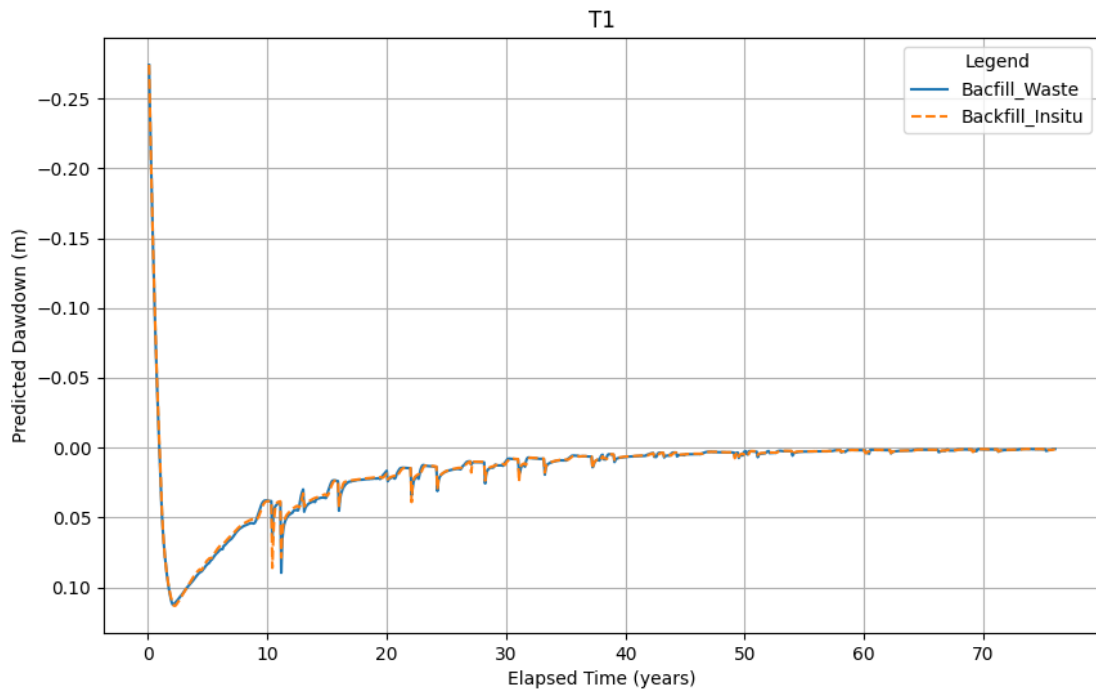


Figure B-111 Predicted aquifer recovery at T1 (Murray West MAR area)



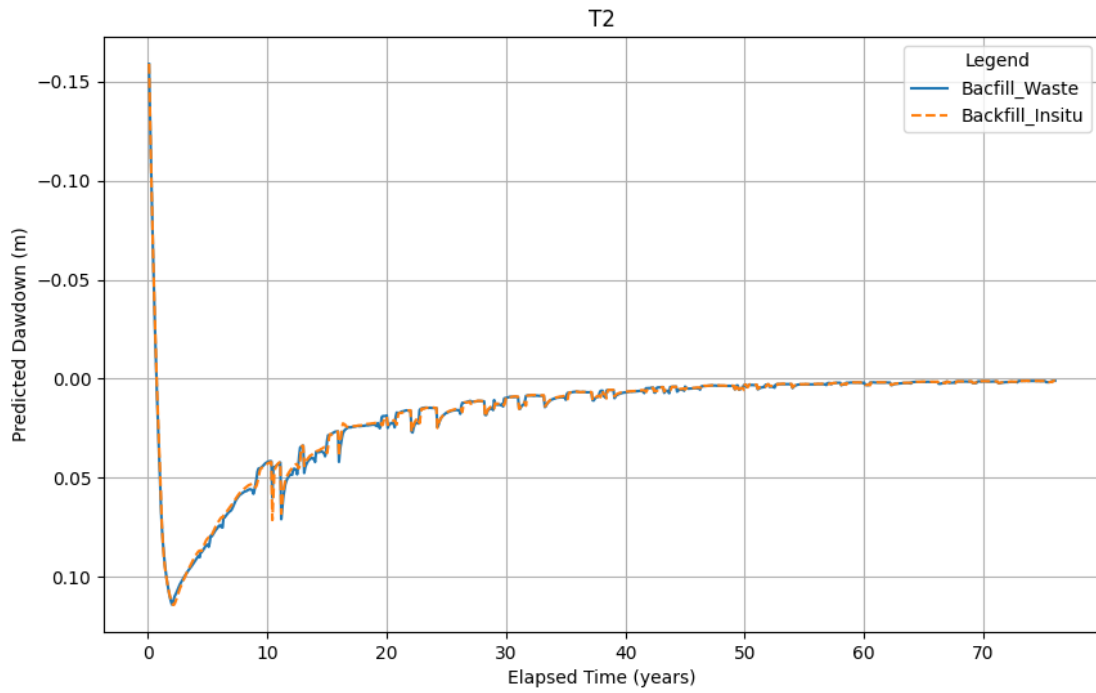


Figure B-112 Predicted aquifer recovery at T2 (valley between Murray West & Koojeepindarranna claypan)

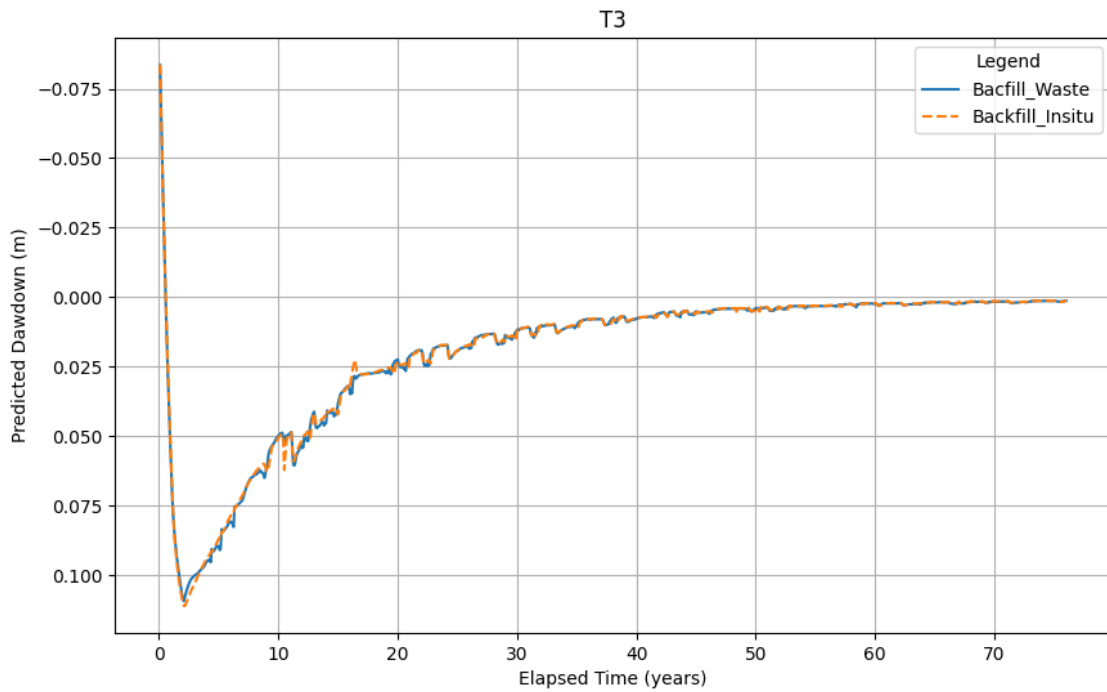


Figure B-113 Predicted aquifer recovery at T3 (Koojeepindarranna claypan)



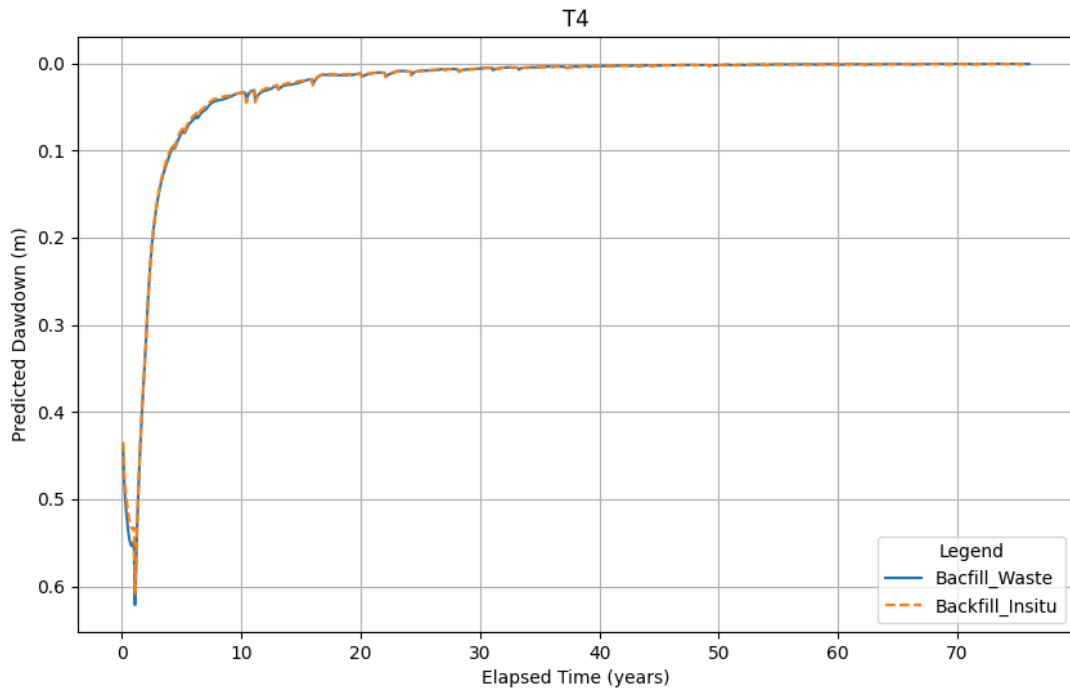


Figure B-114 Predicted aquifer recovery at T4 (valley near Murray Hill)

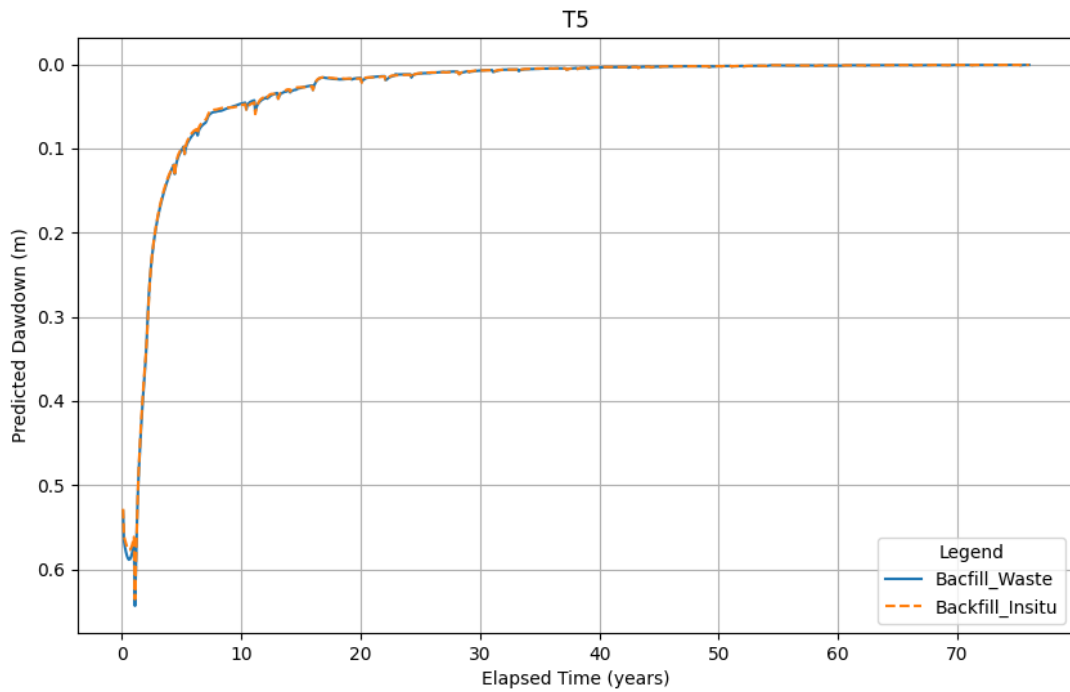


Figure B-115 Predicted aquifer recovery at T5 (valley between Murray Hill & Gnalka Gnoona claypan)



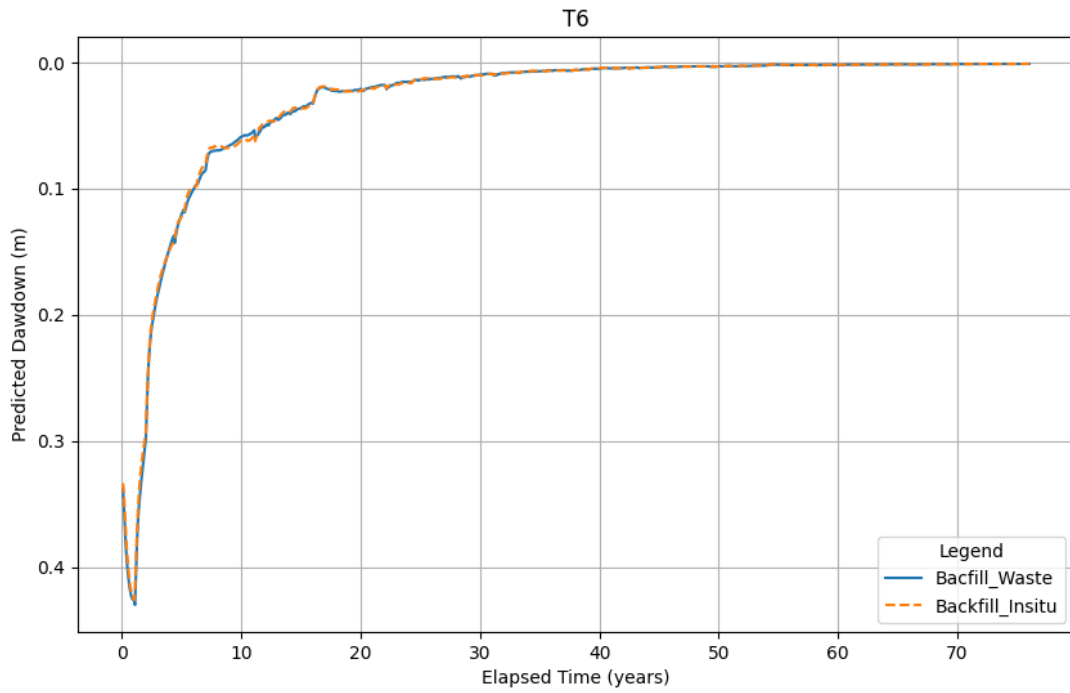


Figure B-116 Predicted aquifer recovery at T6 (Gnalka Gnoona claypan)

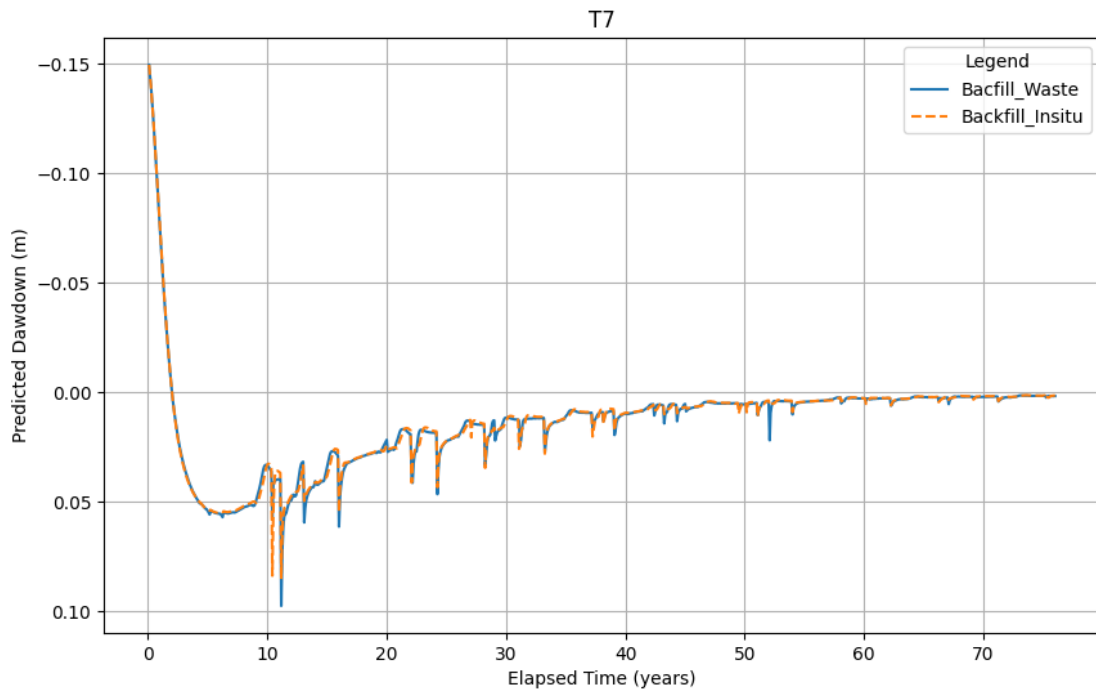


Figure B-117 Predicted aquifer recovery at T7 (restricted stygo 1 west)



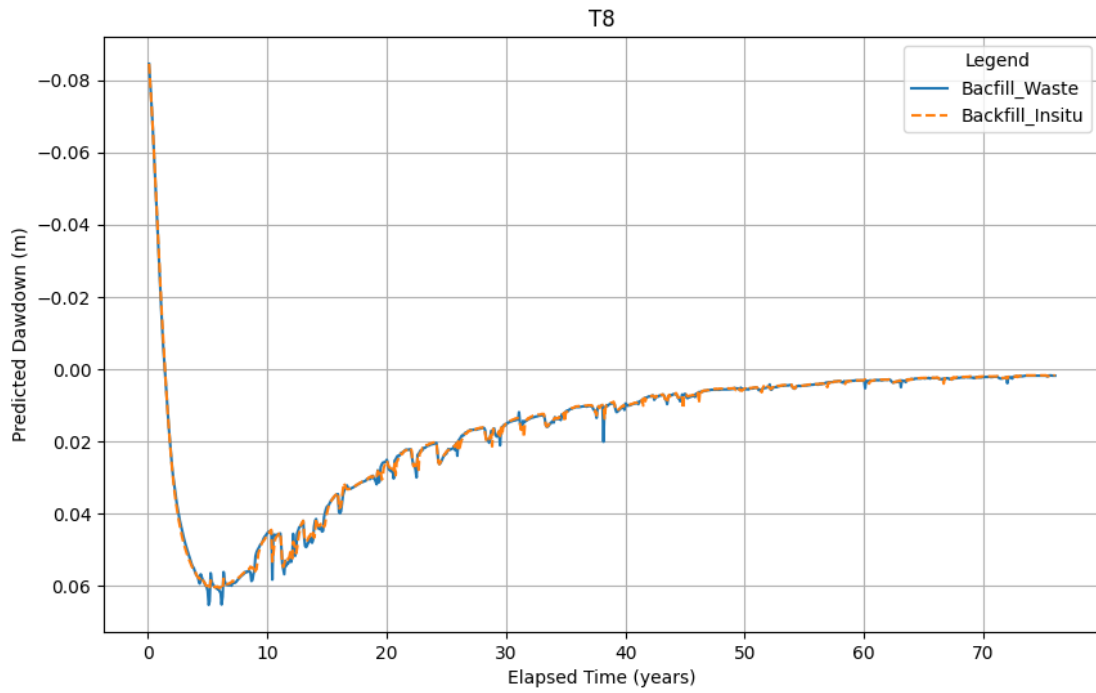


Figure B-118 Predicted aquifer recovery at T8 (valley Far West)

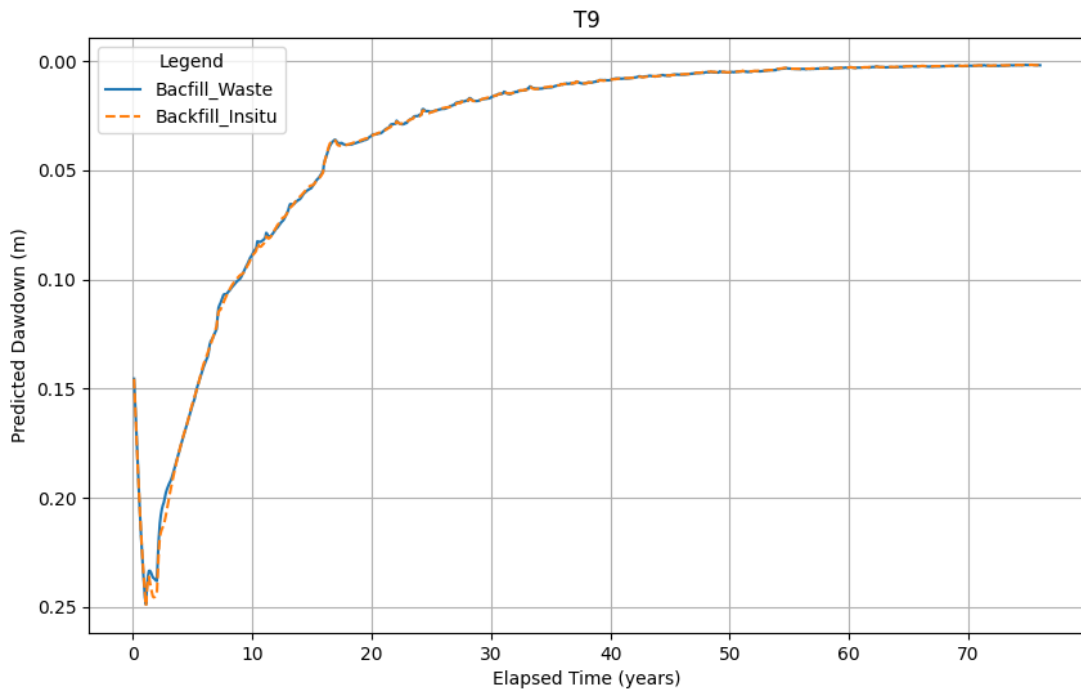


Figure B-119 Predicted aquifer recovery at T9 (restricted stygo 2 southwest)



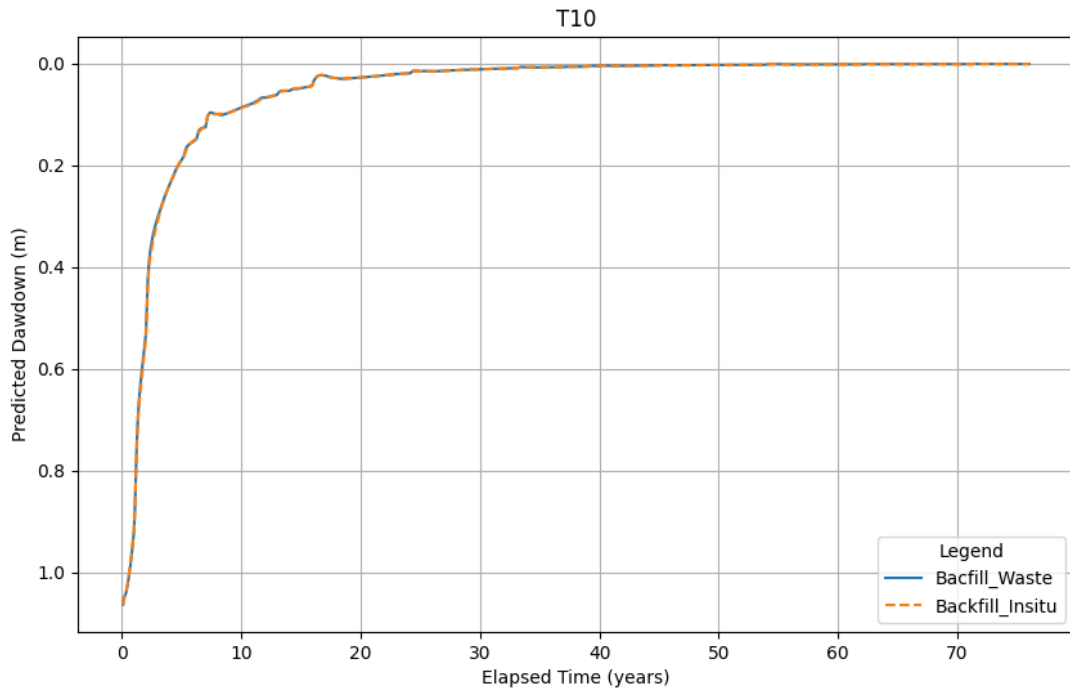


Figure B-120 Predicted aquifer recovery at T10 (restricted stygo 3 south)

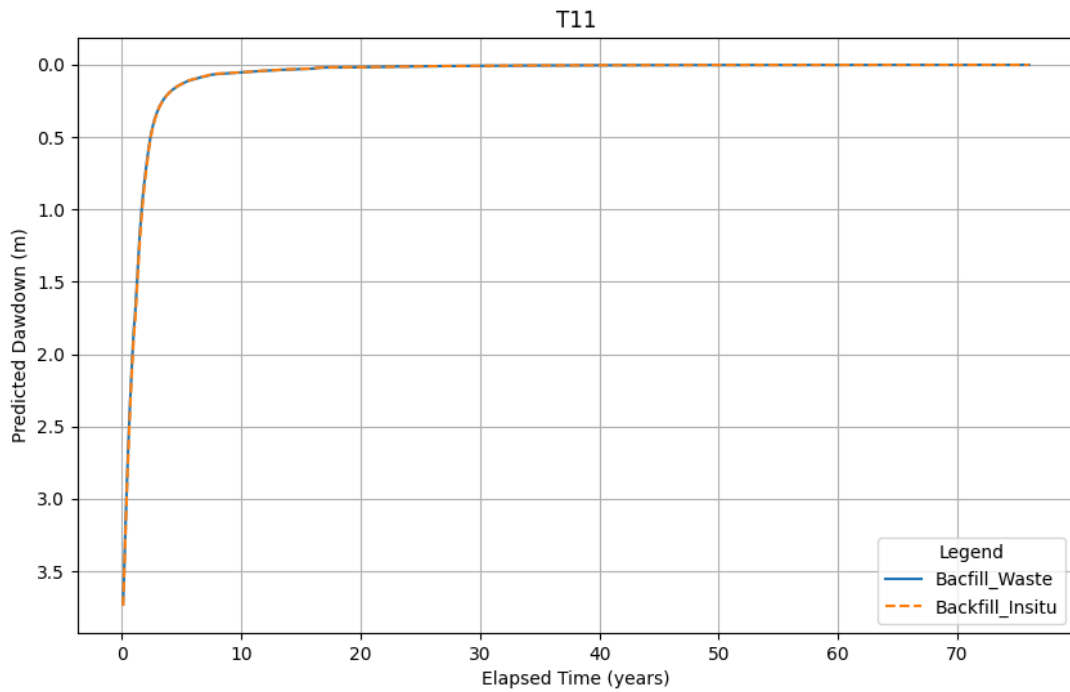


Figure B-121 Predicted aquifer recovery at T11 (valley Fridge West)



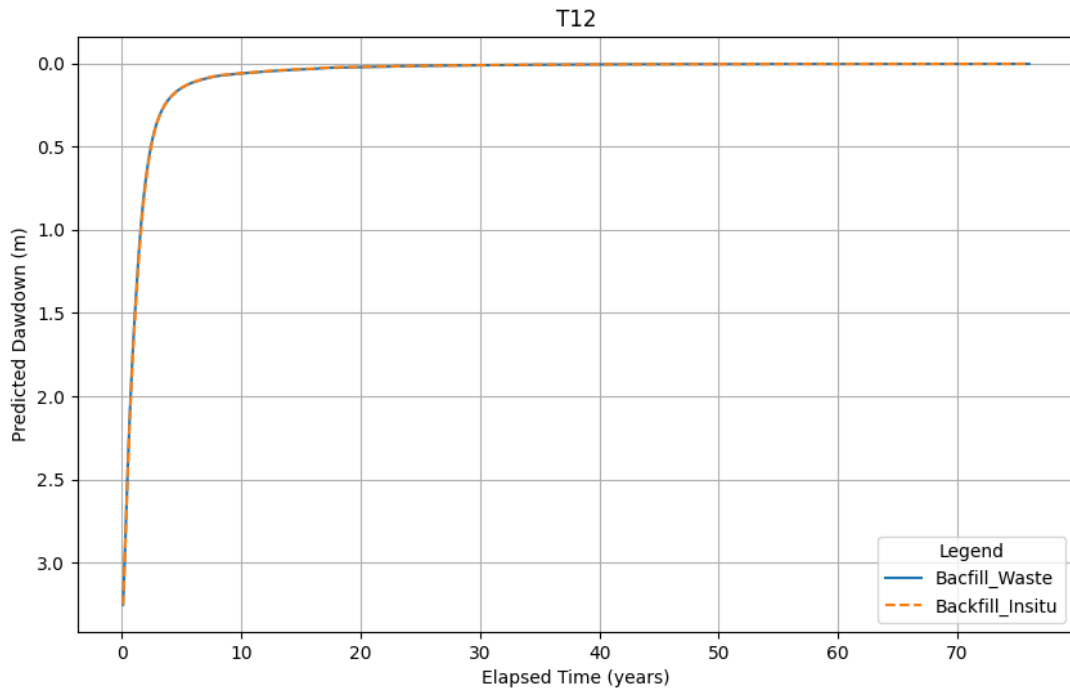


Figure B-122 Predicted aquifer recovery at T12 (valley Fridge Central)

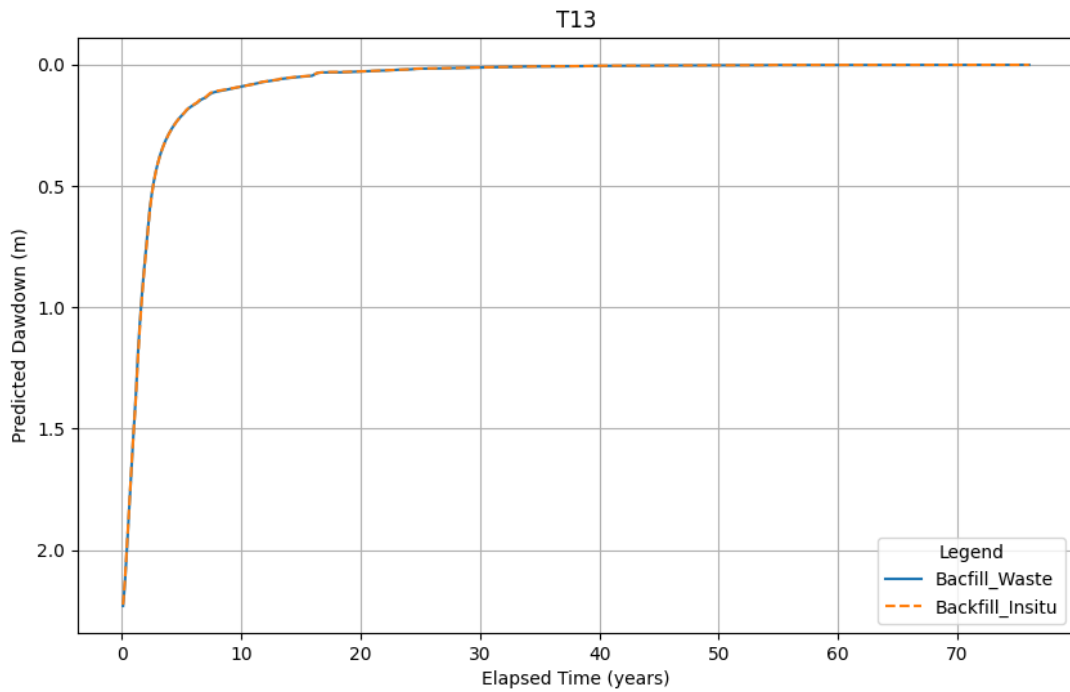


Figure B-123 Predicted aquifer recovery at T13 (valley Central)



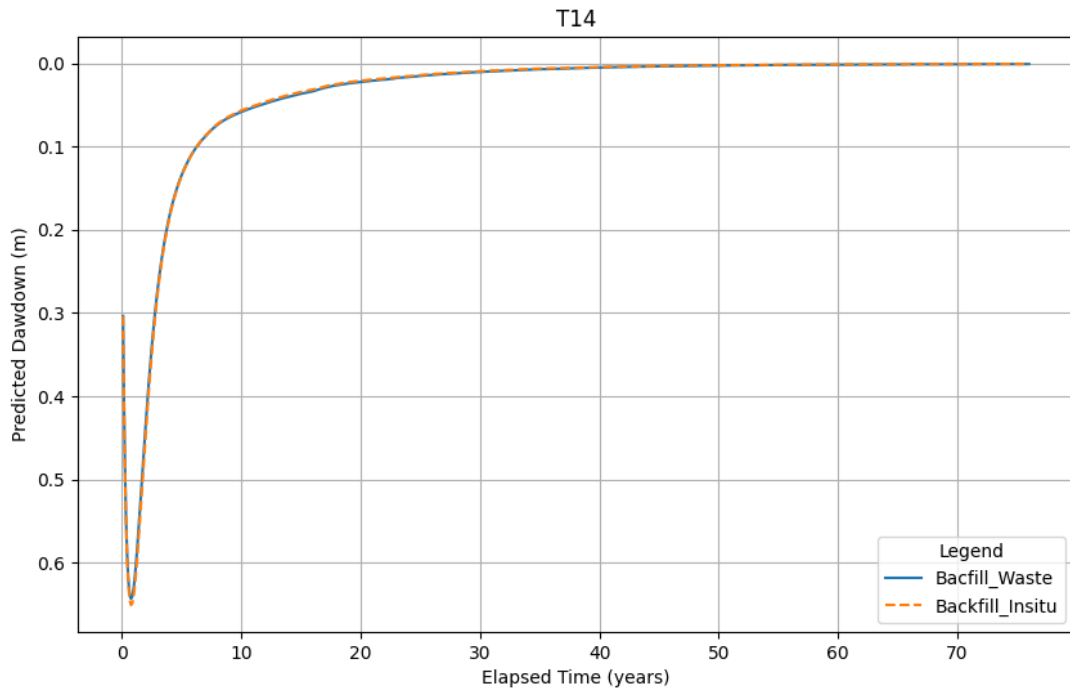


Figure B-124 Predicted aquifer recovery at T14 (area between valley & Horseshoe)

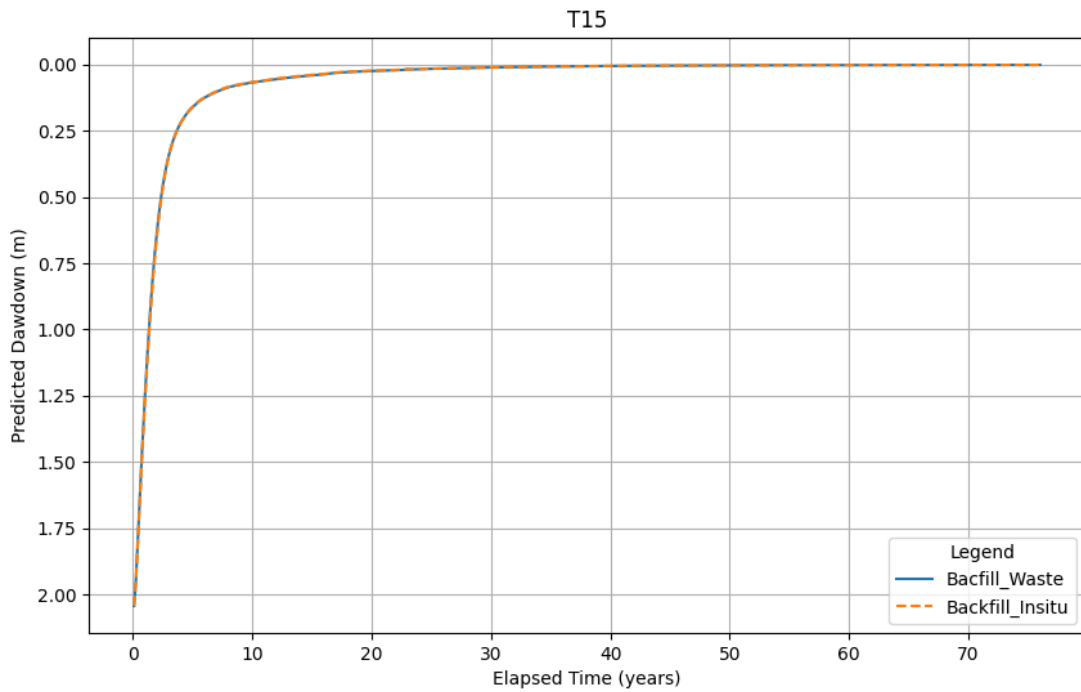


Figure B-125 Predicted aquifer recovery at T15 (valley Fridge Hill)



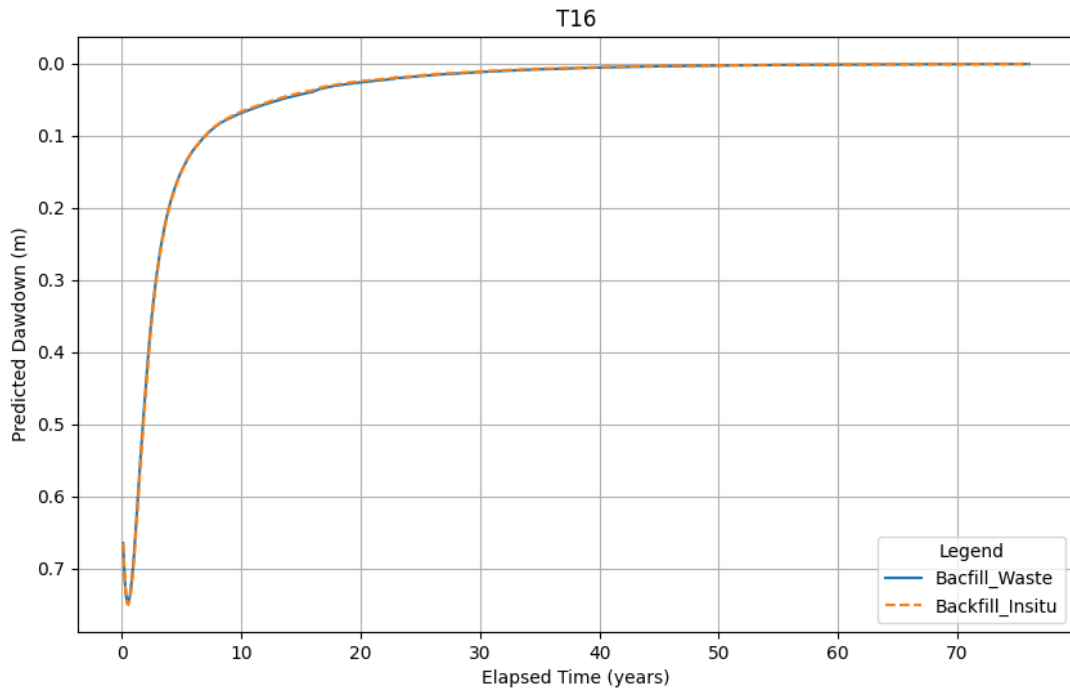


Figure B-126 Predicted aquifer recovery at T16 (valley Horseshoe)

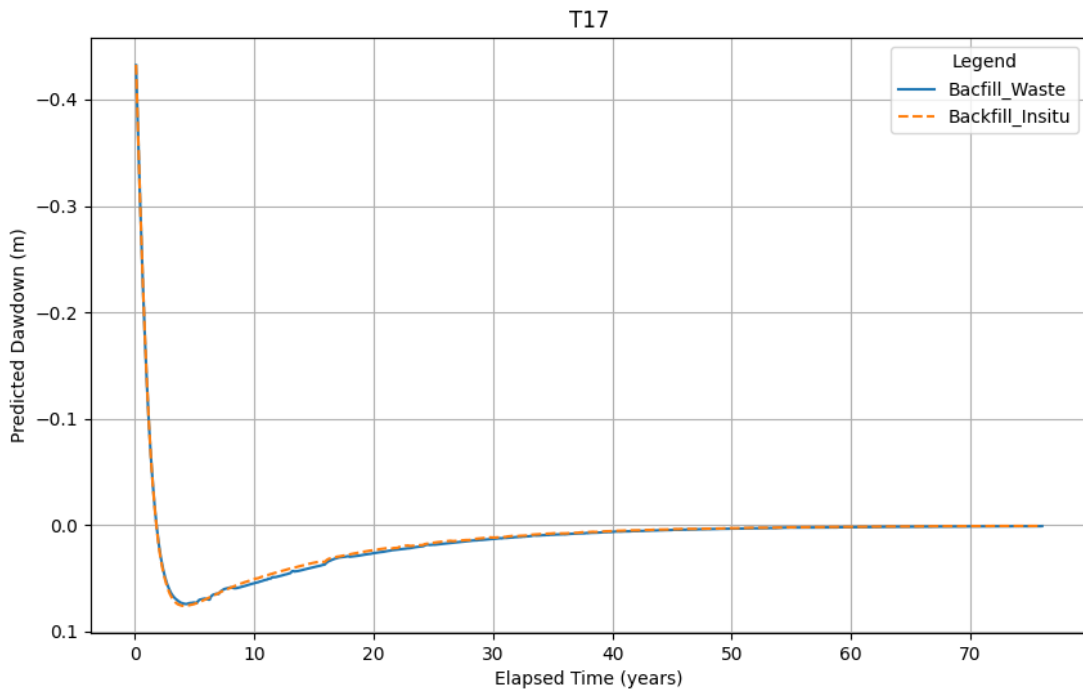


Figure B-127 Predicted aquifer recovery at T17 (valley Far Southeast)



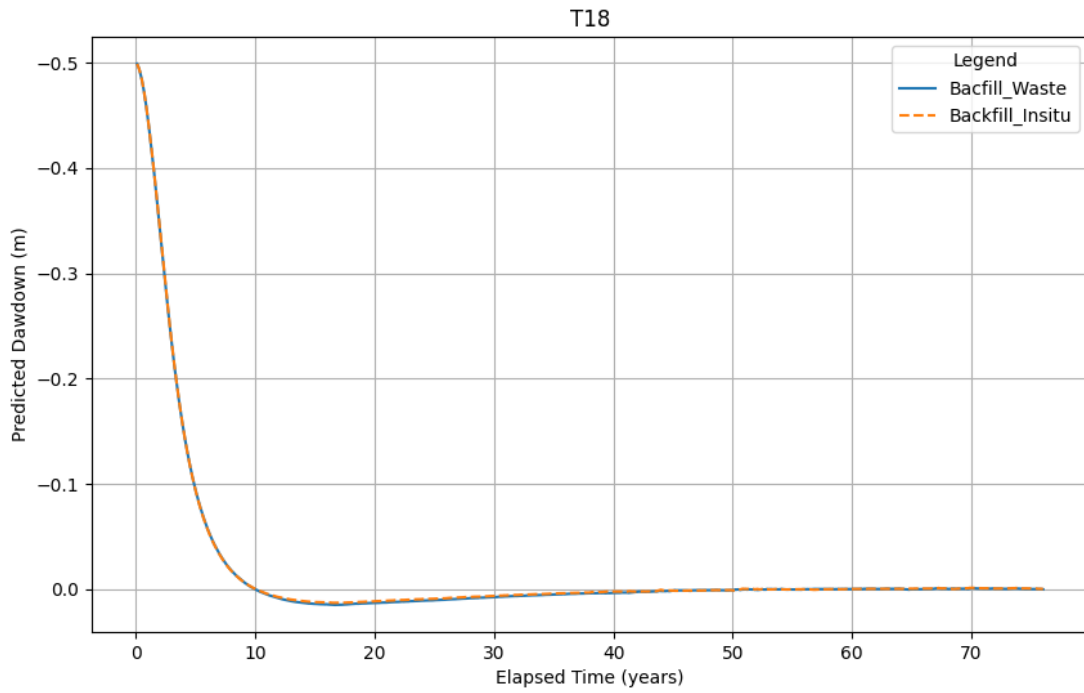
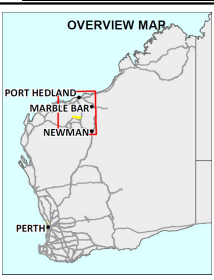
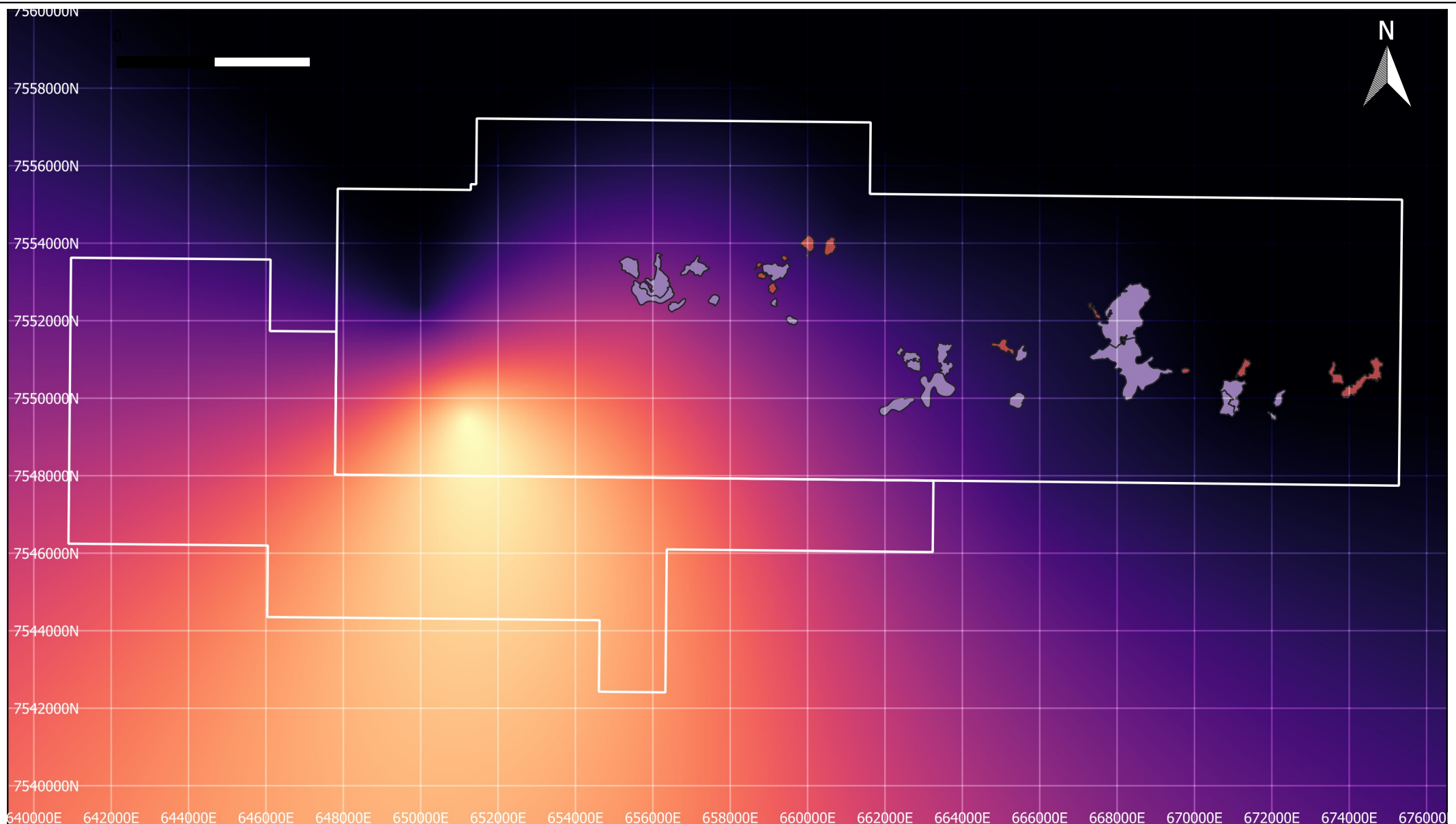


Figure B-128 Predicted aquifer recovery at T18 (Wirrilimarra area)



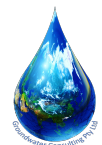


Appendix C TDS Results

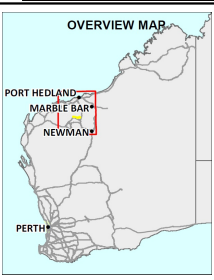
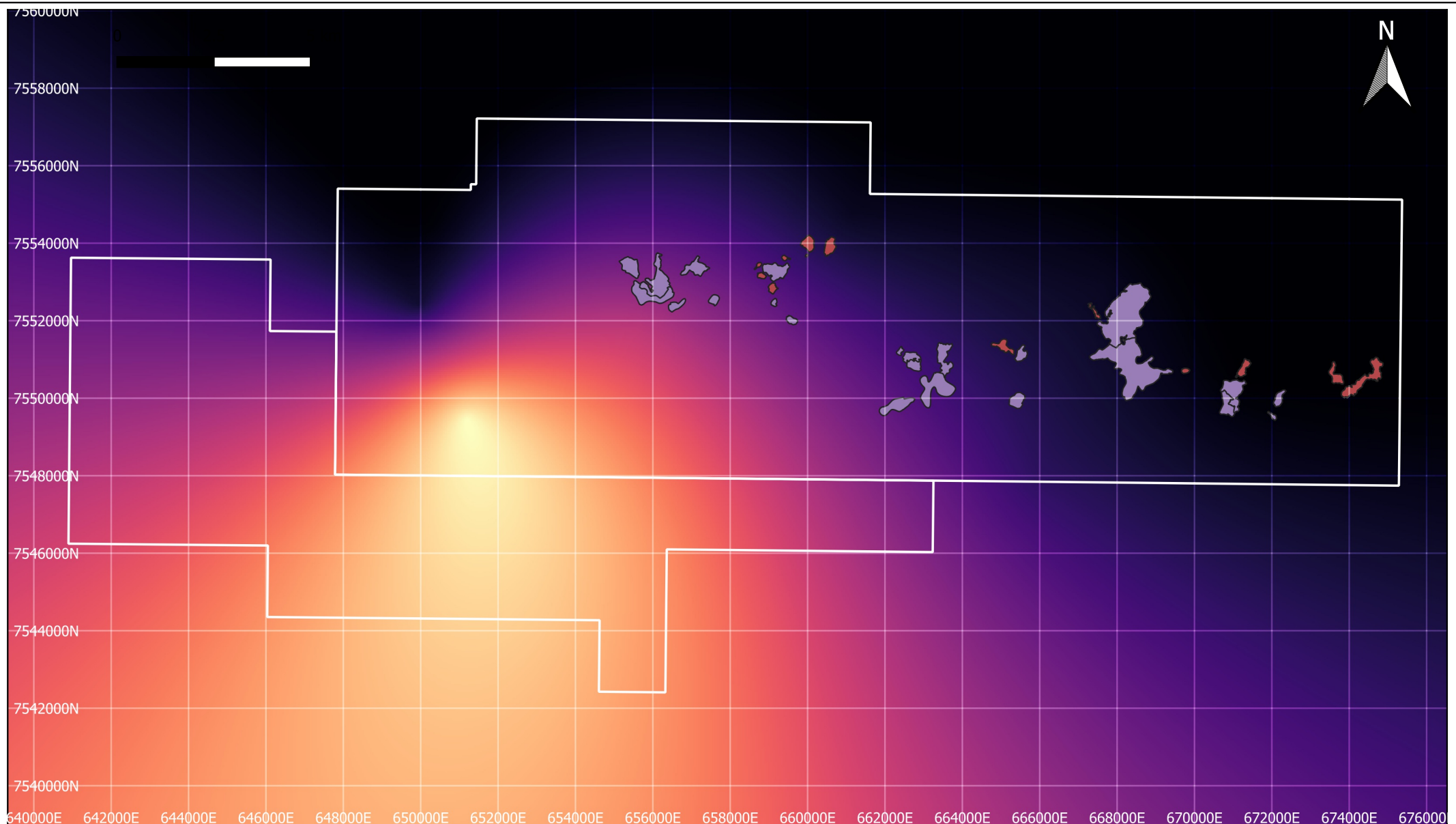


TDS (mg/L)		1098	2205	3311	4418	5524	6630	7737	8843	9950	11056
213	1320	2426	3532	4639	5745	6852	7958	9064	10171	11277	
435	1541	2647	3754	4860	5967	7073	8179	9286	10392	11498	
656	1762	2869	3975	5081	6188	7294	8401	9507	10613		
877	1984	3090	4196	5303	6409	7515	8622	9728	10835		

Figure C1

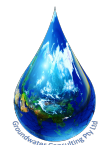


Initial TDS assigned in model Layer 1

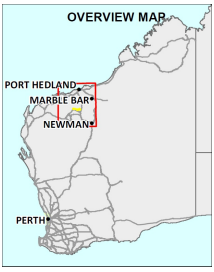
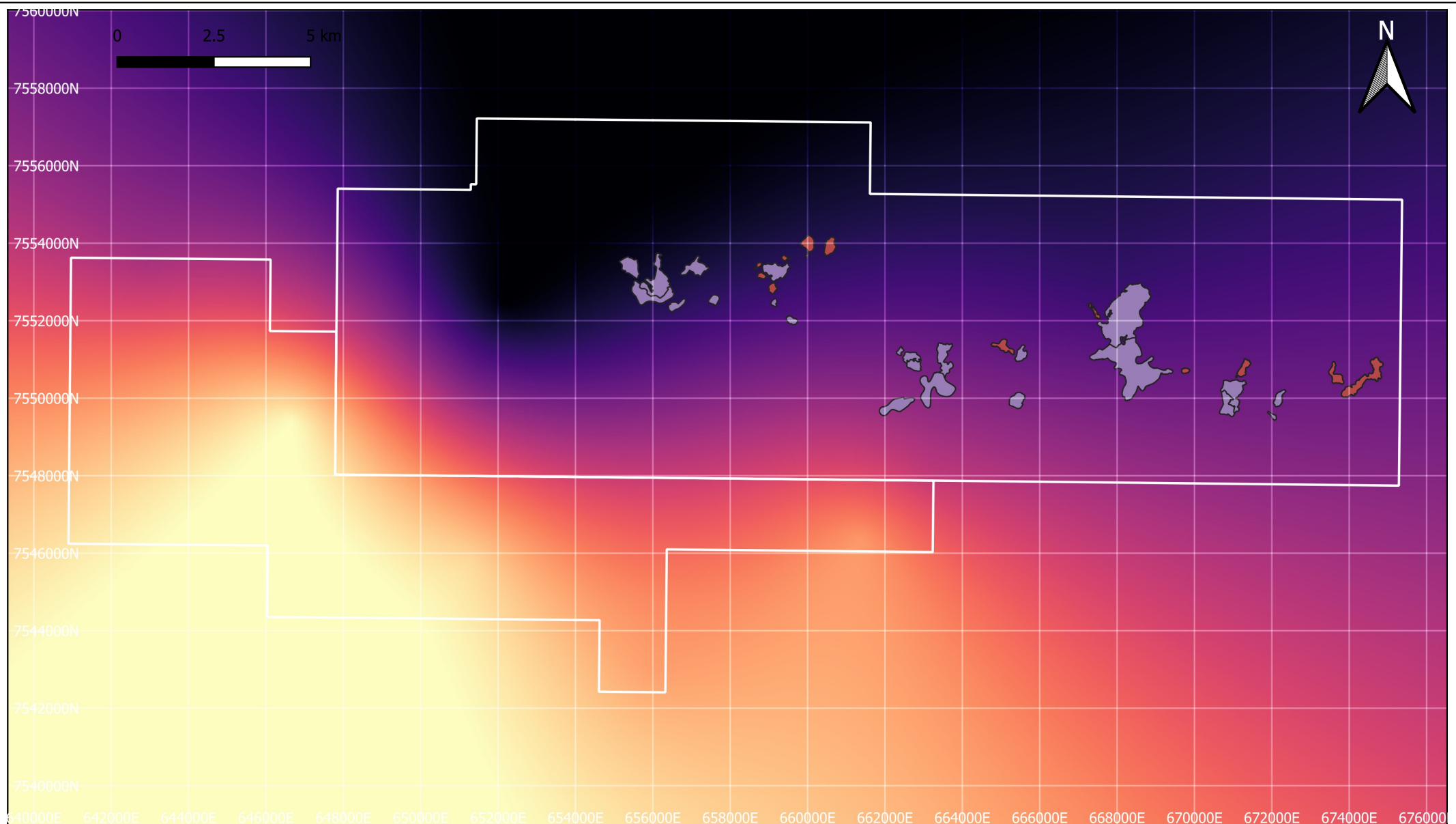


TDS (mg/L)	
1098	11056
213	11277
435	11498
656	10613
877	10835
2205	9950
2426	10171
2647	10392
2869	10613
3090	10835
3311	9286
3532	9507
3754	9728
3975	10013
4196	10234
4418	10455
4639	10676
4860	10897
5081	11118
5303	11339
5524	11560
5745	11781
5967	12002
6188	12223
6409	12444
6630	12665
6852	12886
7073	13107
7294	13328
7515	13549
7737	13770
7958	13991
8179	14212
8401	14433
8622	14654
8843	14875
9064	15096
9286	15317
9507	15538
9728	15759
9950	15980
10171	16201
10392	16422
10613	16643
10835	16864

Figure C2

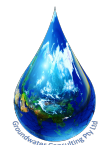


Initial TDS assigned in model Layer 2

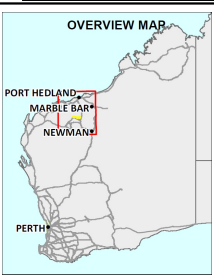
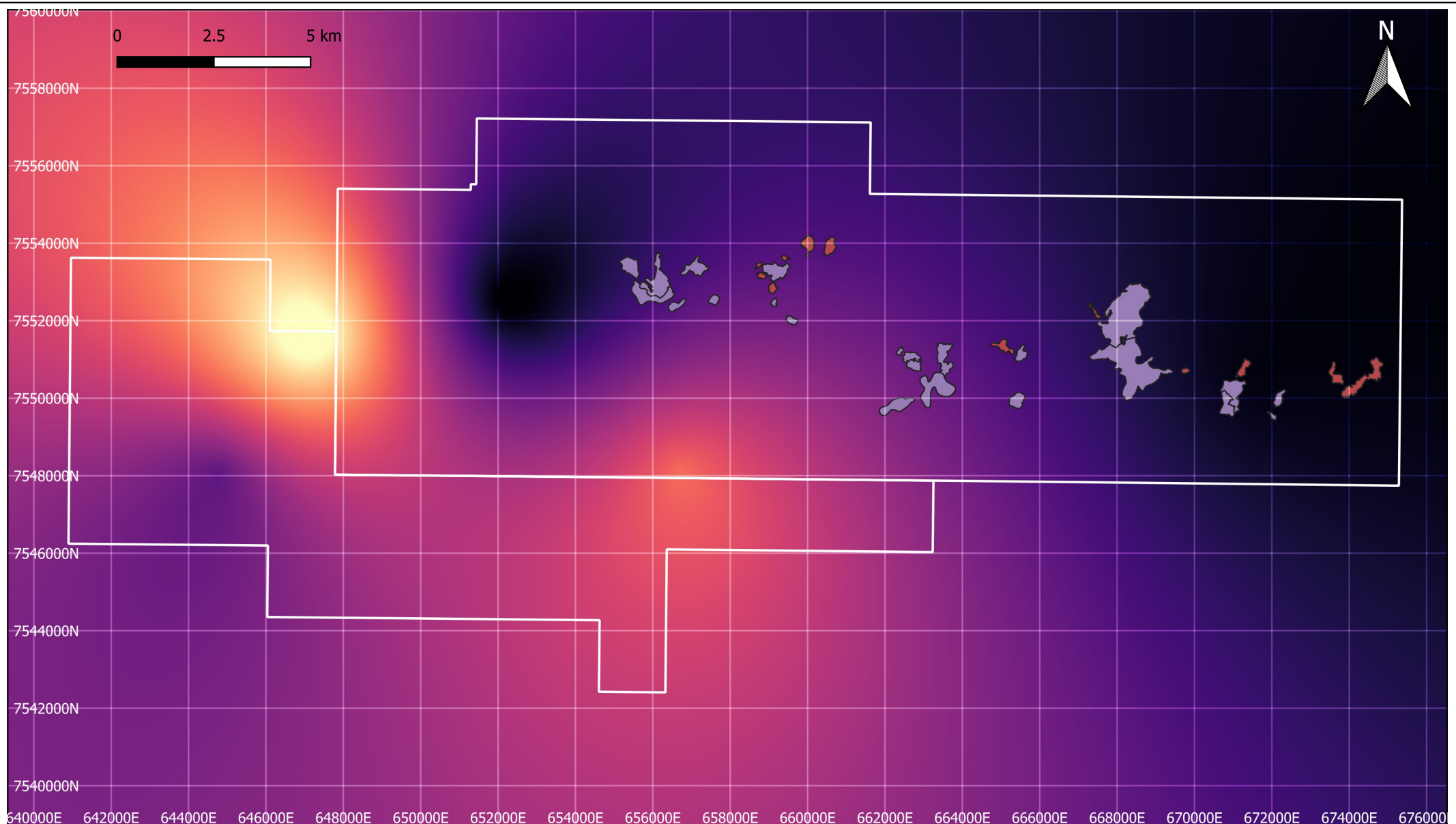


TDS (mg/L)		1098	2205	3311	4418	5524	6630	7737	8843	9950	11056
213	1320	2426	3532	4639	5745	6852	7958	9064	10171	11277	
435	1541	2647	3754	4860	5967	7073	8179	9286	10392	11498	
656	1762	2869	3975	5081	6188	7294	8401	9507	10613		
877	1984	3090	4196	5303	6409	7515	8622	9728	10835		

Figure C3



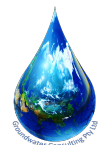
Initial TDS assigned in model Layer 3

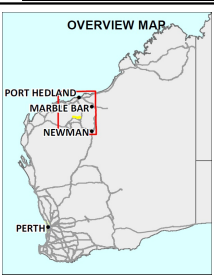
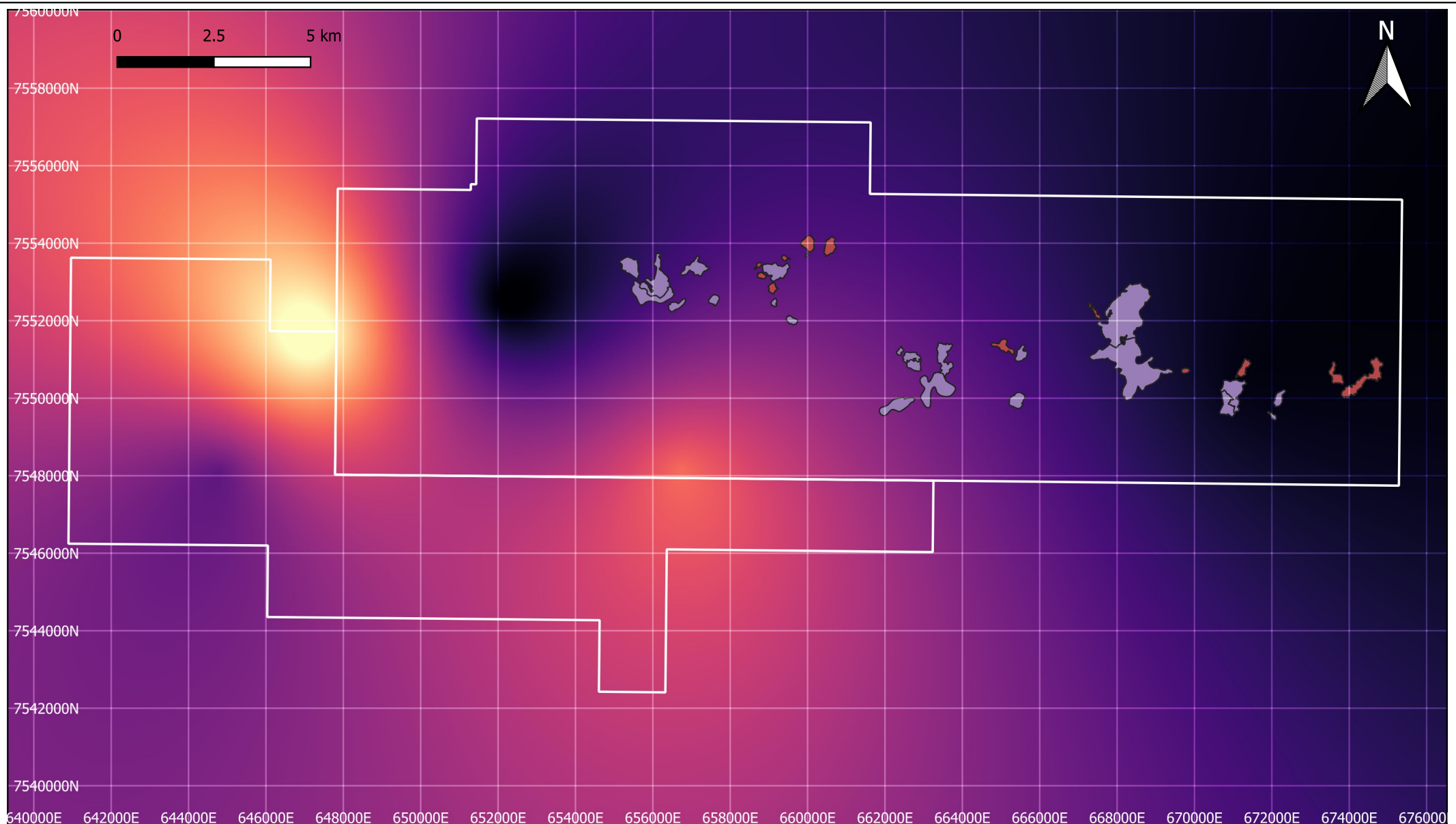


TDS (mg/L)	
1098	11056
213	11277
435	11498
656	10613
877	10835
2205	9950
2426	10171
2647	10392
2869	10613
3090	10835
3311	9286
3532	9507
3754	9728
3975	10392
4196	10613
4418	10171
4639	10392
4860	10613
5081	10835
5303	11056
5524	11277
5745	11498
5967	11056
6188	11277
6409	11498
6630	10613
6852	10835
7073	11056
7294	11277
7515	11498
7737	10171
7958	10392
8179	10613
8401	10835
8622	11056
8843	11277
9064	11498
9286	10613
9507	10835
9728	11056

Figure C4

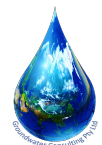
Initial TDS assigned in model Layer 4



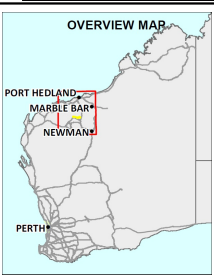
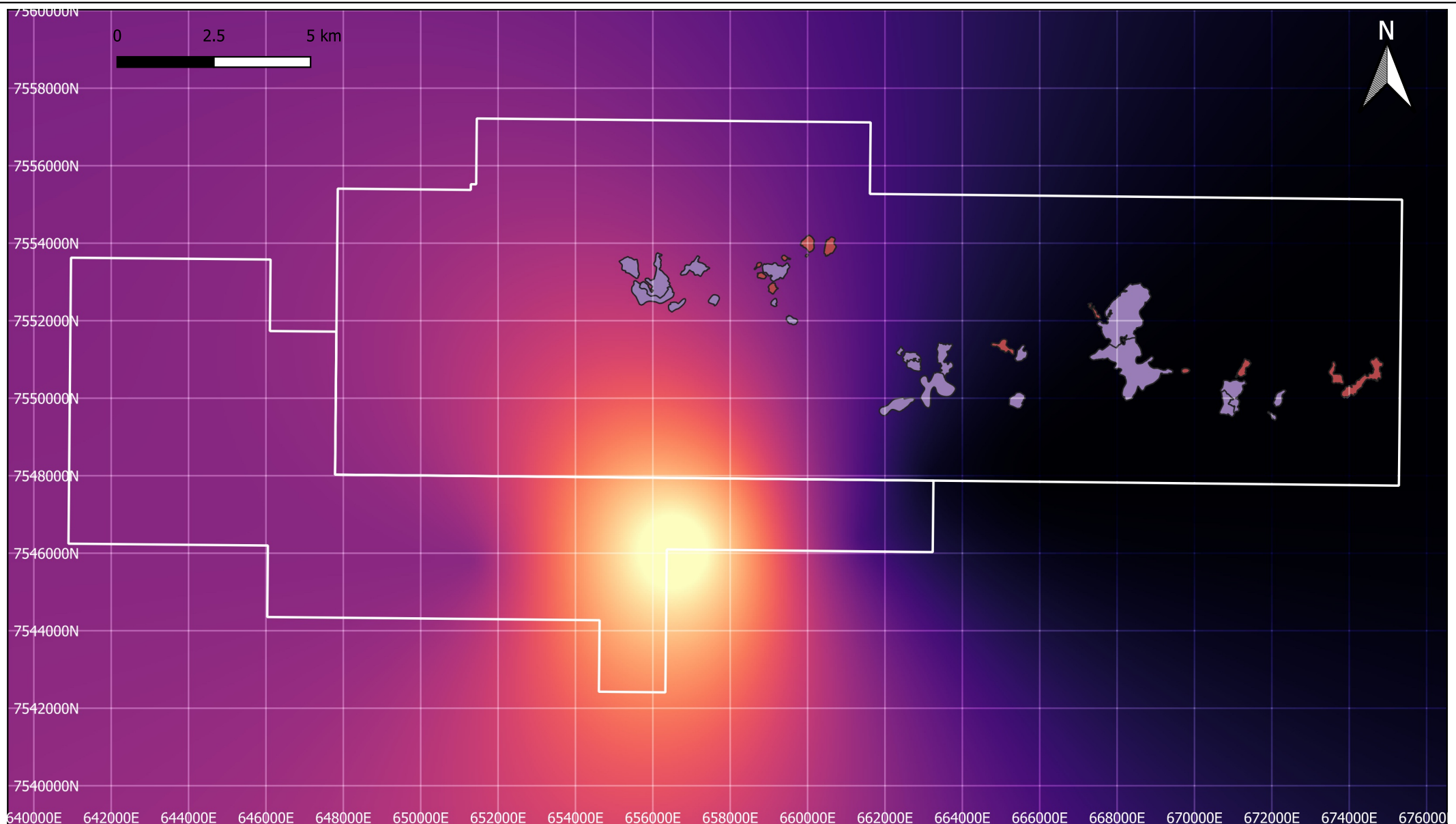


TDS (mg/L)	
1098	11056
213	11277
435	11498
656	10613
877	10835
2205	9950
2426	10171
2647	10392
2869	10613
3090	10835
3311	9286
3532	9507
3754	9728
3975	10392
4196	10613
4418	10171
4639	10392
4860	10613
5081	10835
5303	11056
5524	11277
5745	11498
5967	11056
6188	11277
6409	11498
6630	11056
6852	11277
7073	11498
7294	11056
7515	11277
7737	11498
7958	11056
8179	11277
8401	11498
8622	11056
8843	11277
9064	11498
9286	11056
9507	11277
9728	11498

Figure C5

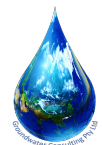


Initial TDS assigned in model Layer 5

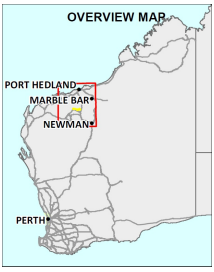
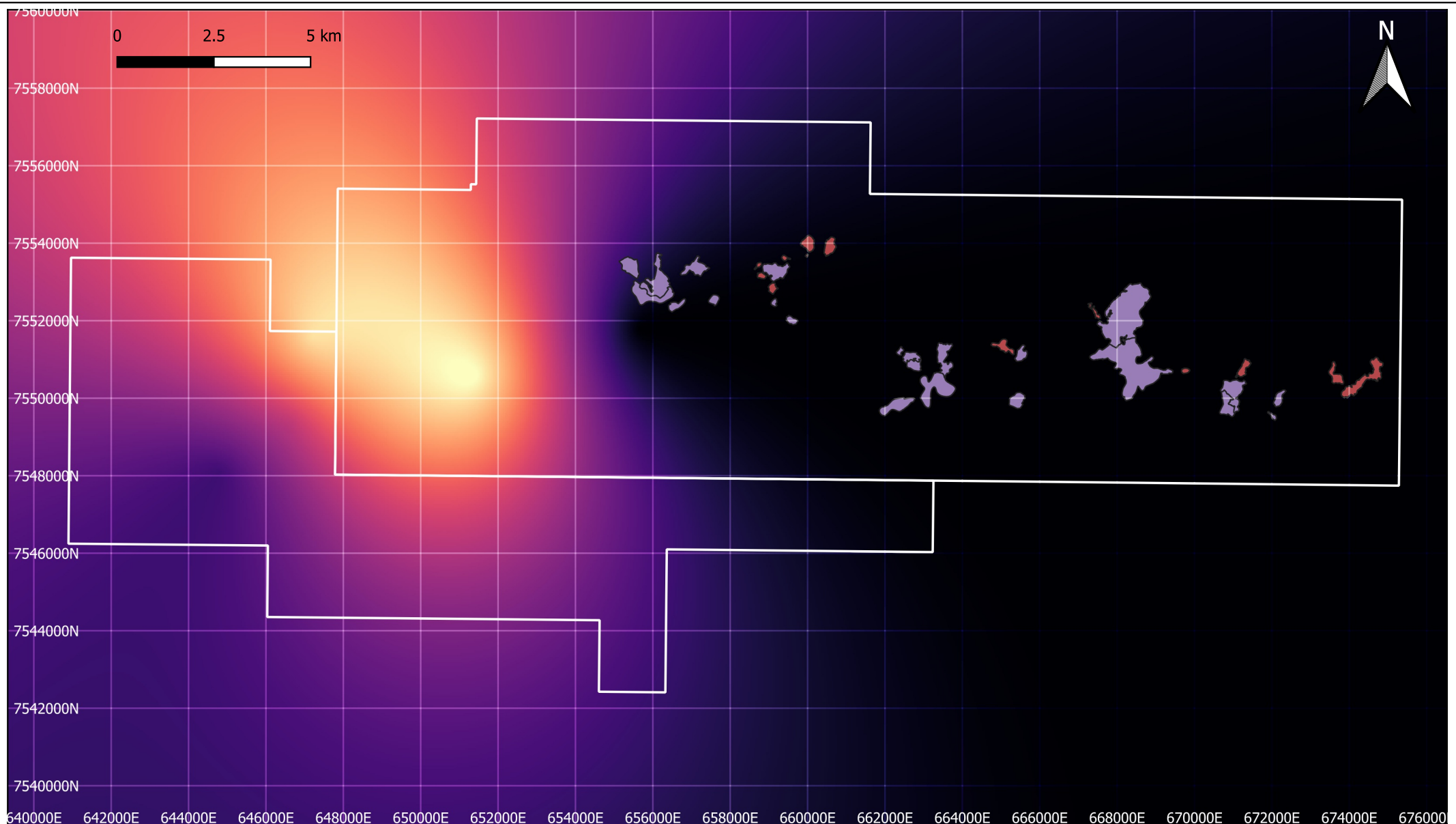


TDS (mg/L)	
1098	11056
213	11277
435	11498
656	10613
877	10835
2205	9950
2426	10171
2647	10392
2869	10613
3090	10835
3311	11056
3532	11277
3754	11498
3975	10613
4196	10835
4418	11056
4639	11277
4860	11498
5081	10613
5303	10835
5524	11056
5745	11277
5967	11498
6188	10613
6409	10835
6630	11056
6852	11277
7073	11498
7294	10613
7515	10835
7737	11056
7958	11277
8179	11498
8401	10613
8622	10835
8843	11056
9064	11277
9286	11498
9507	10613
9728	10835

Figure C6

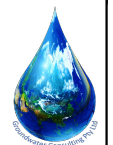


Initial TDS assigned in model Layer 6

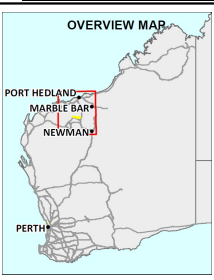
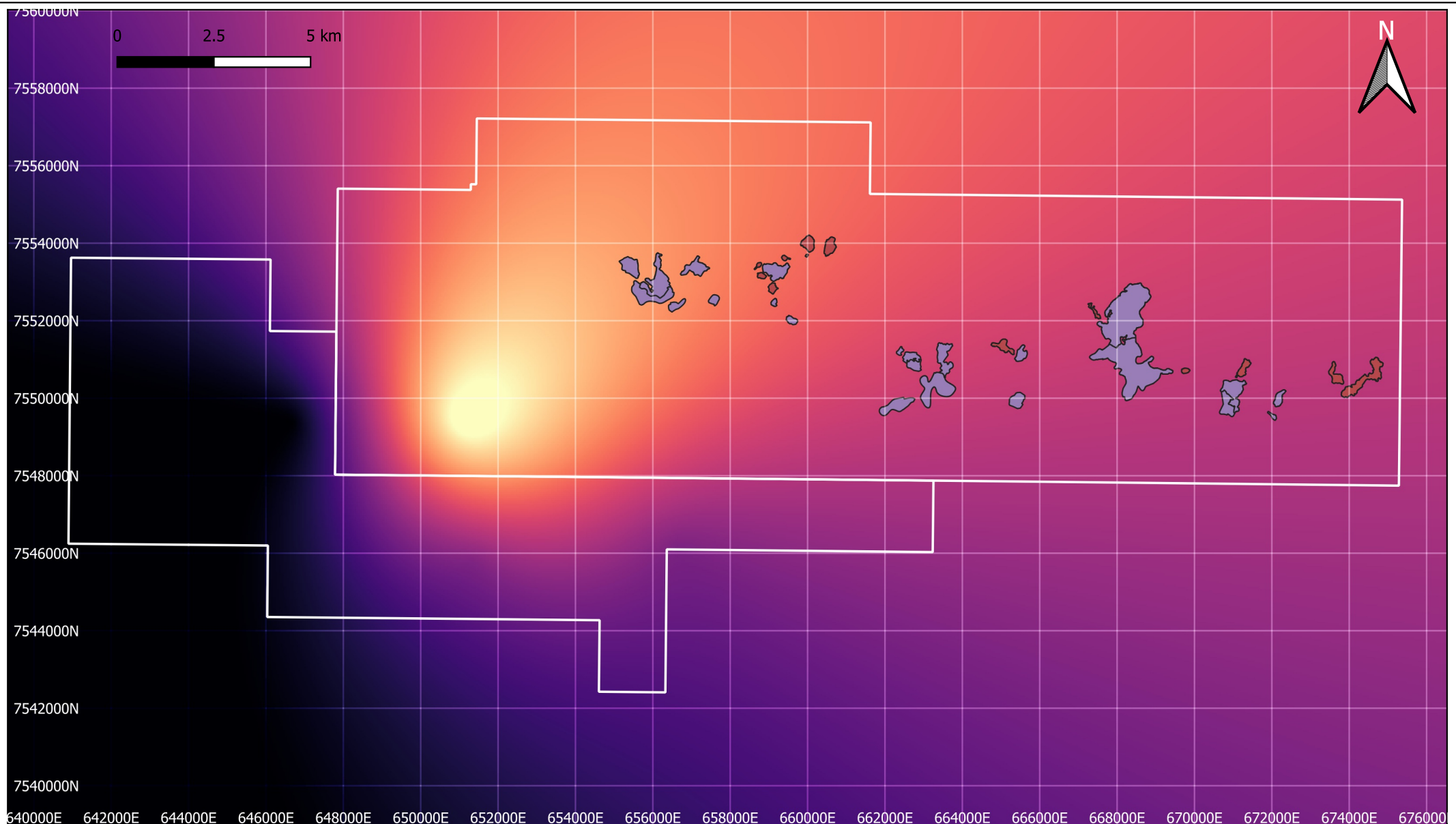


TDS (mg/L)		1098	2205	3311	4418	5524	6630	7737	8843	9950	11056
213	1320	2426	3532	4639	5745	6852	7958	9064	10171	11277	
435	1541	2647	3754	4860	5967	7073	8179	9286	10392	11498	
656	1762	2869	3975	5081	6188	7294	8401	9507	10613		
877	1984	3090	4196	5303	6409	7515	8622	9728	10835		

Figure C7



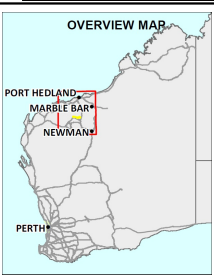
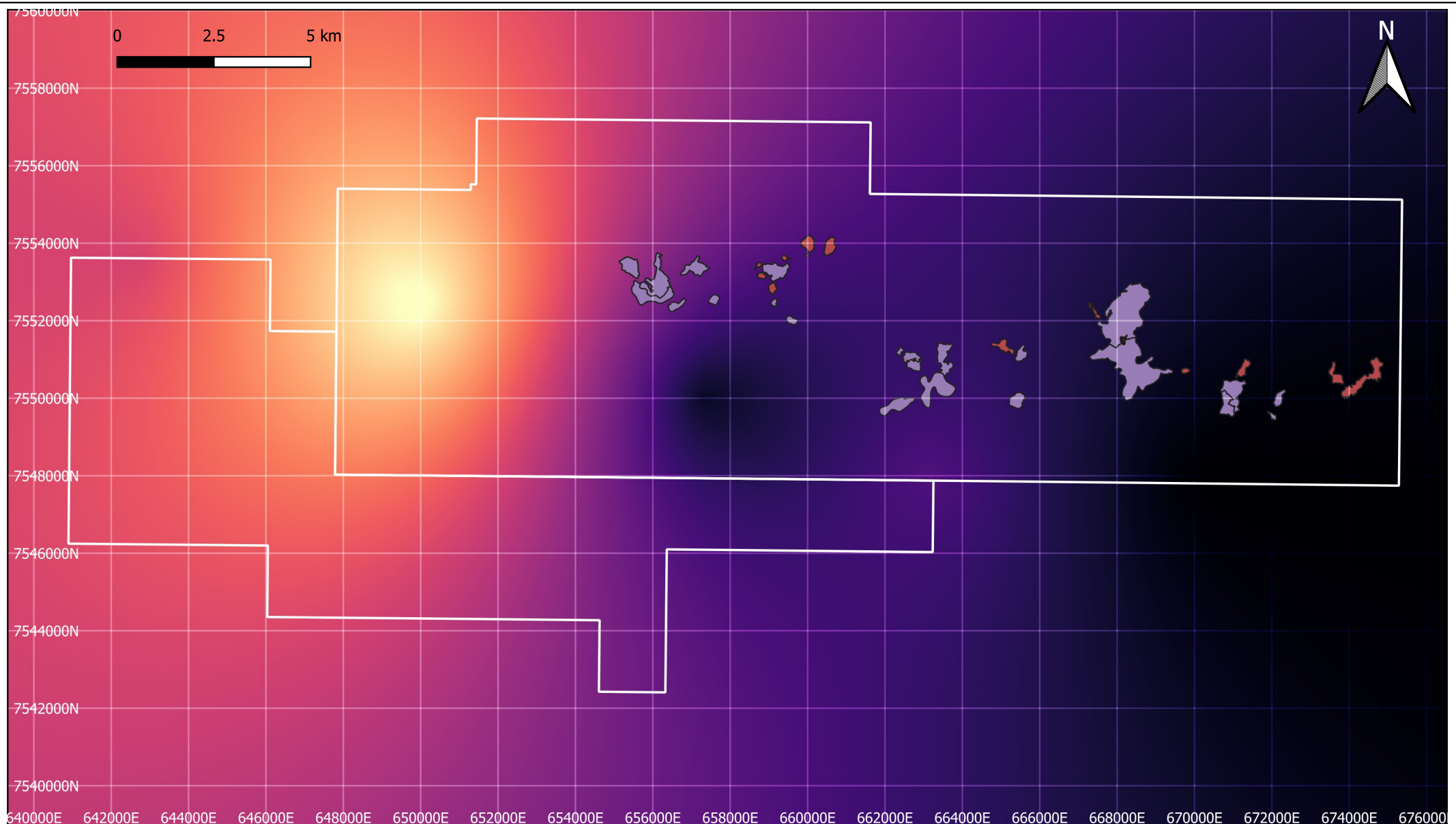
Initial TDS assigned in model Layer 7



TDS (mg/L)	
1098	2205
213	1320
435	1541
656	1762
877	1984
3311	2426
4418	2647
5524	2869
6630	3090
7737	3311
8843	3532
9950	3754
11056	3975
11277	4196
11498	4418
10613	4639
10835	4860
10171	5081
10392	5303
9286	5524
9507	5745
9728	5967
10171	6188
10392	6409
10613	6630
10835	6852
11056	7073
11277	7294
11498	7515
	7737
	7958
	8179
	8401
	8622
	8843
	9064
	9286
	9507
	9728

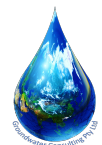
Figure C8

Initial TDS assigned in model Layer 8

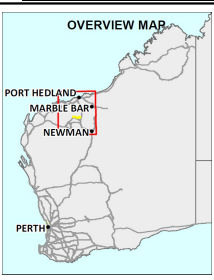
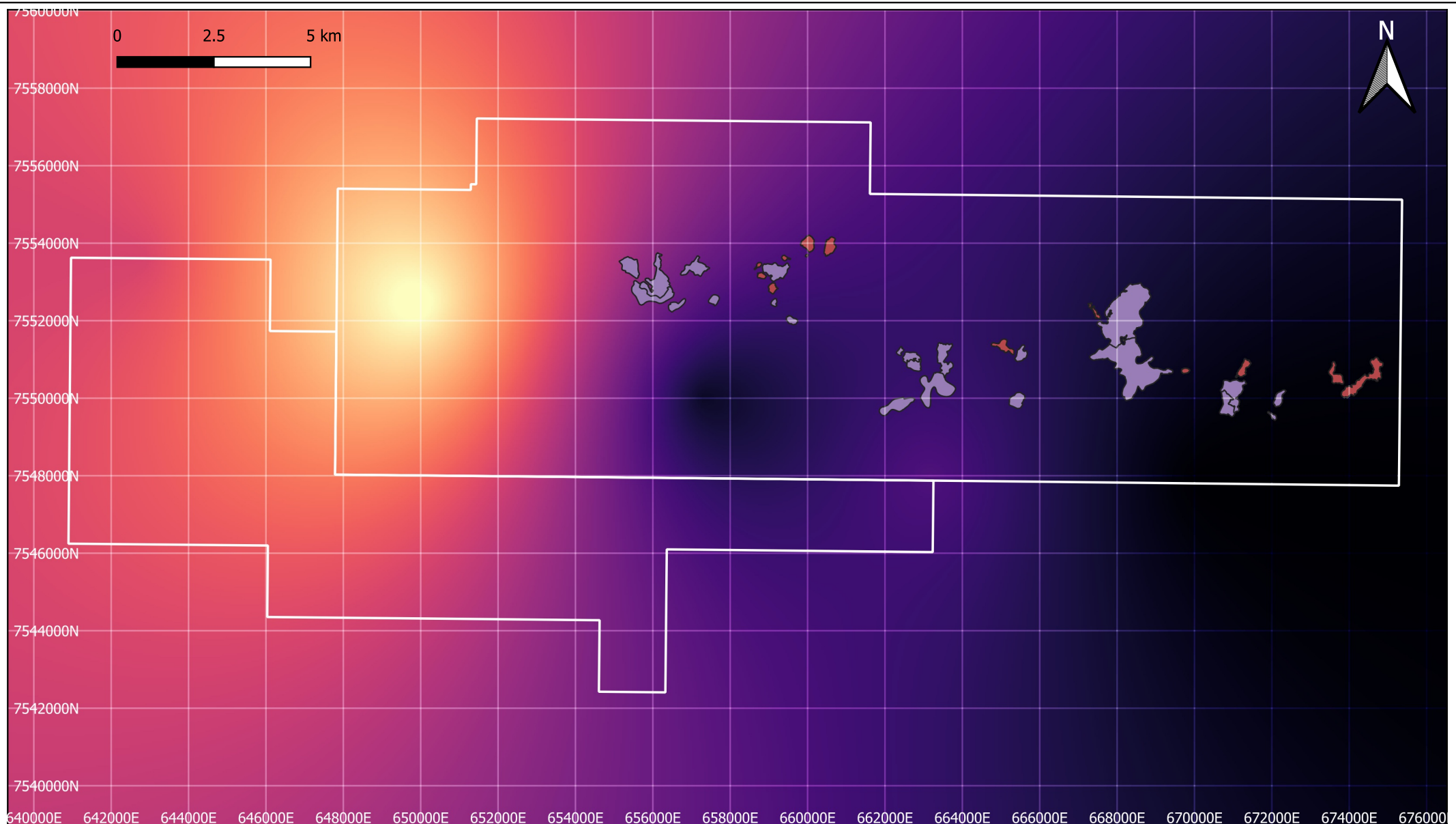


TDS (mg/L)	
1098	11056
213	11277
435	11498
656	10613
877	10835
2205	9950
2426	10171
2647	10392
2869	10613
3090	10835
3311	9286
3532	9507
3754	9728
3975	10000
4196	10221
4418	10434
4639	10647
4860	10860
5081	11073
5303	11286
5524	11500
5745	11713
5967	11926
6188	12139
6409	12352
6630	12565
6852	12778
7073	12991
7294	13204
7515	13417
7737	13630
7958	13843
8179	14056
8401	14269
8622	14482
8843	14695
9064	14908
9286	15121
9507	15334
9728	15547
9950	15760

Figure C9

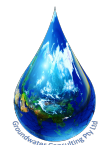


Initial TDS assigned in model Layer 9

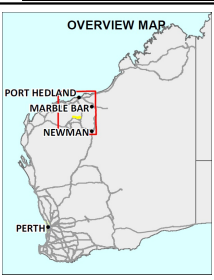
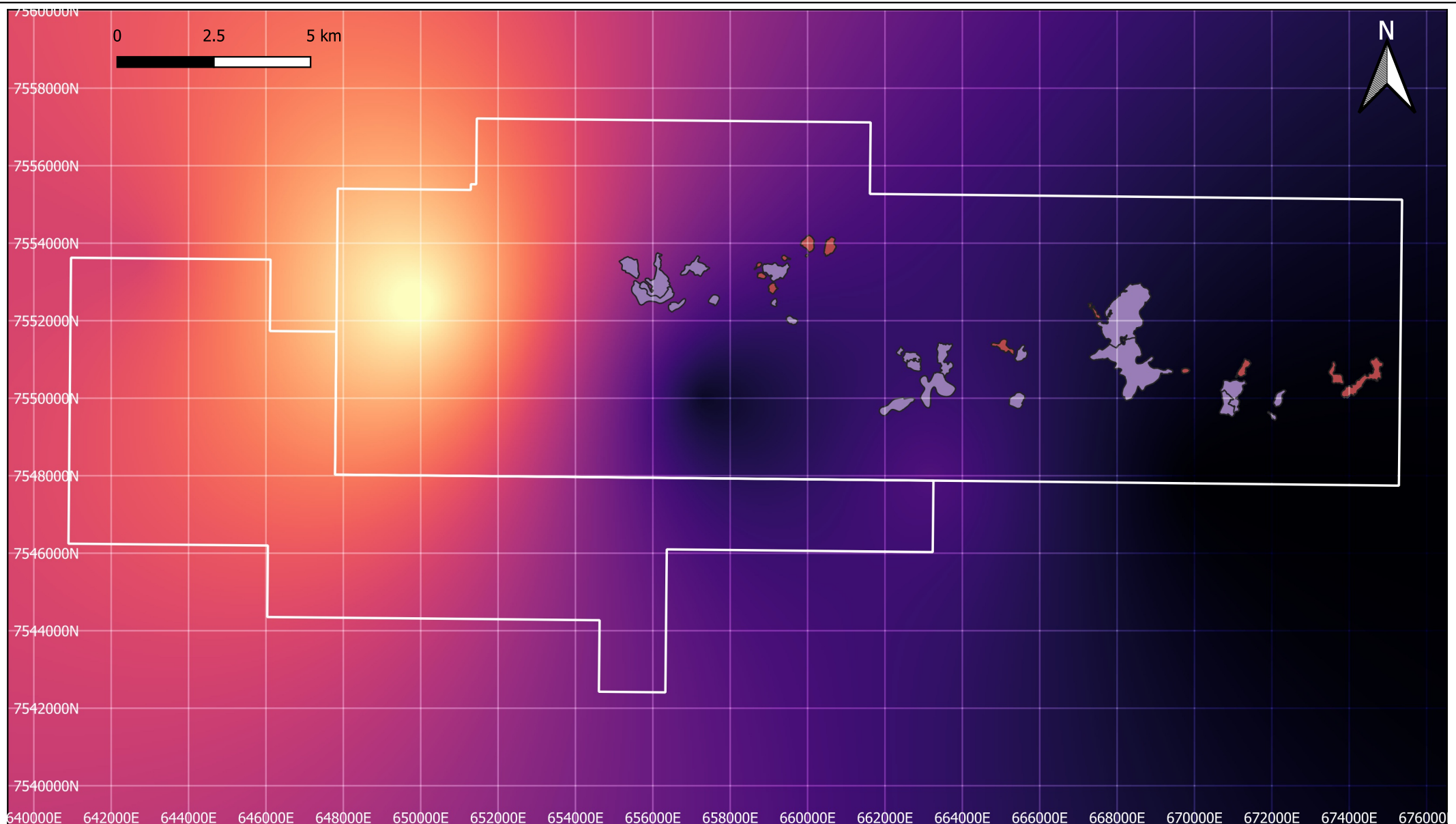


TDS (mg/L)		1098	2205	3311	4418	5524	6630	7737	8843	9950	11056
213	1320	2426	3532	4639	5745	6852	7958	9064	10171	11277	
435	1541	2647	3754	4860	5967	7073	8179	9286	10392	11498	
656	1762	2869	3975	5081	6188	7294	8401	9507	10613		
877	1984	3090	4196	5303	6409	7515	8622	9728	10835		

Figure C10

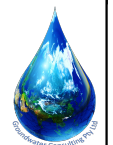


Initial TDS assigned in model Layer 10

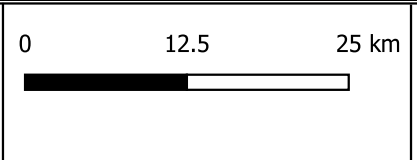
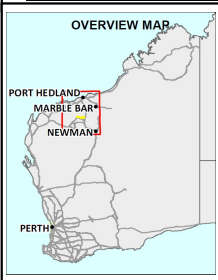
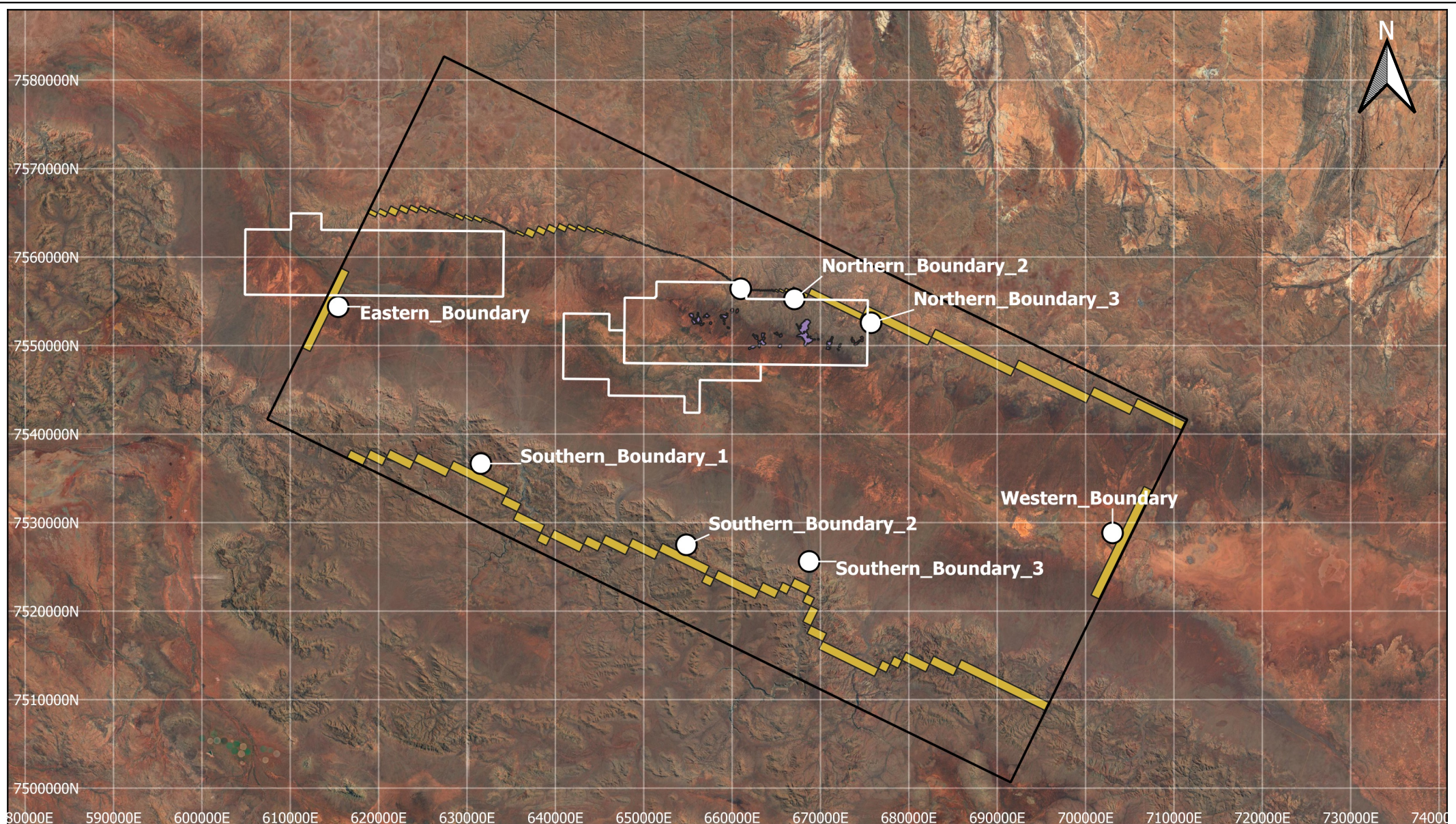


TDS (mg/L)		1098	2205	3311	4418	5524	6630	7737	8843	9950	11056
213	1320	2426	3532	4639	5745	6852	7958	9064	10171	11277	
435	1541	2647	3754	4860	5967	7073	8179	9286	10392	11498	
656	1762	2869	3975	5081	6188	7294	8401	9507	10613		
877	1984	3090	4196	5303	6409	7515	8622	9728	10835		

Figure C11



Initial TDS assigned in model Layer 11



Legend		
■	Pits Above Water Table	 Tenement Boundary
■	Pits Below Water Table	 Simulated Constant Head Boundary
		 Model Domain

AUTHOR: MP
 DRAWN: MP
 DATE: 10/10/2024

Report NO: GWC-020-2022
 REVISION: I
 JOB No: 020-2022

NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

Figure C12

Location of control points used to monitor TDS near the simulated constant head boundaries

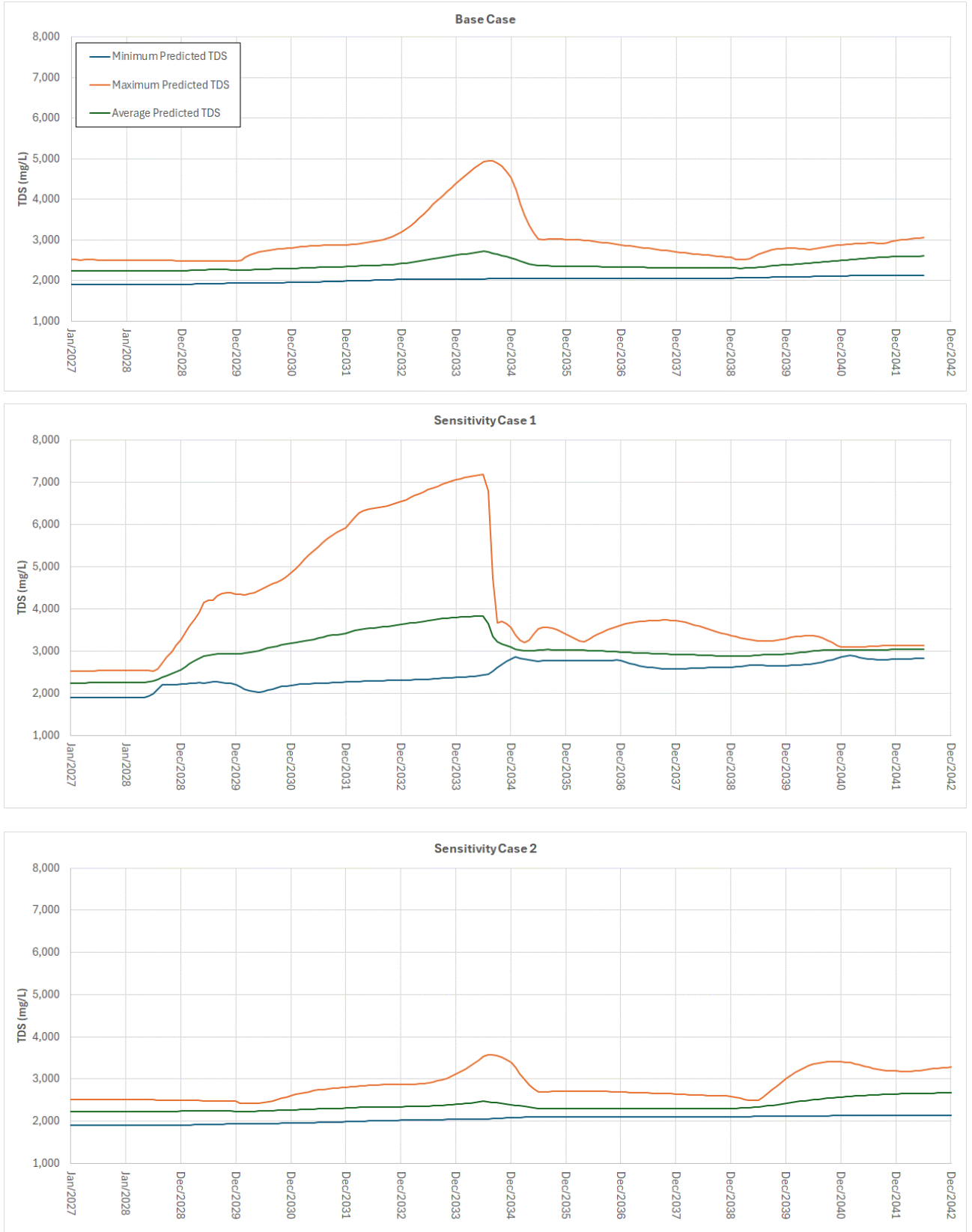


Figure C-13 Predicted TDS at Murray Hill



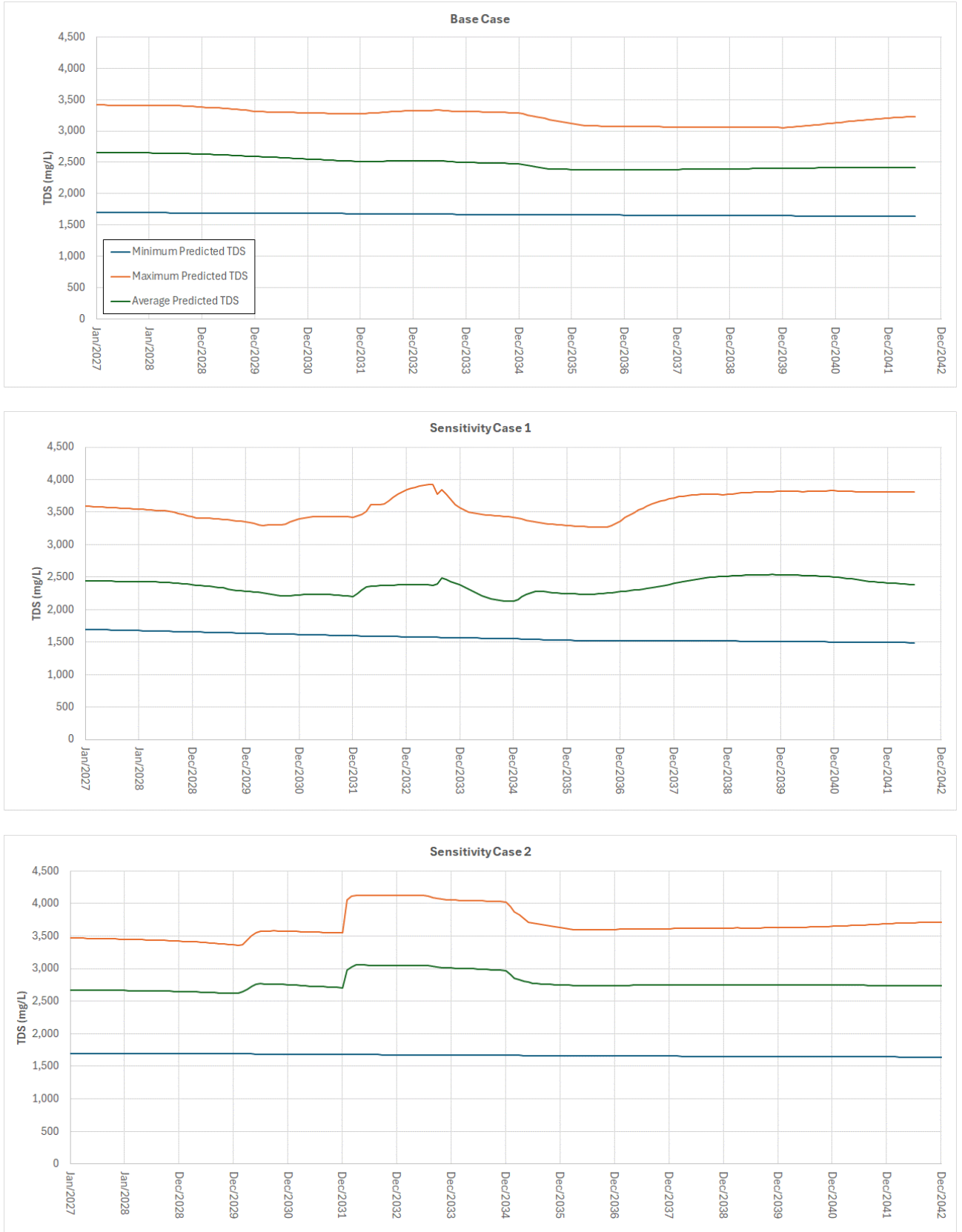


Figure C-14 Predicted TDS at Anticline Hill



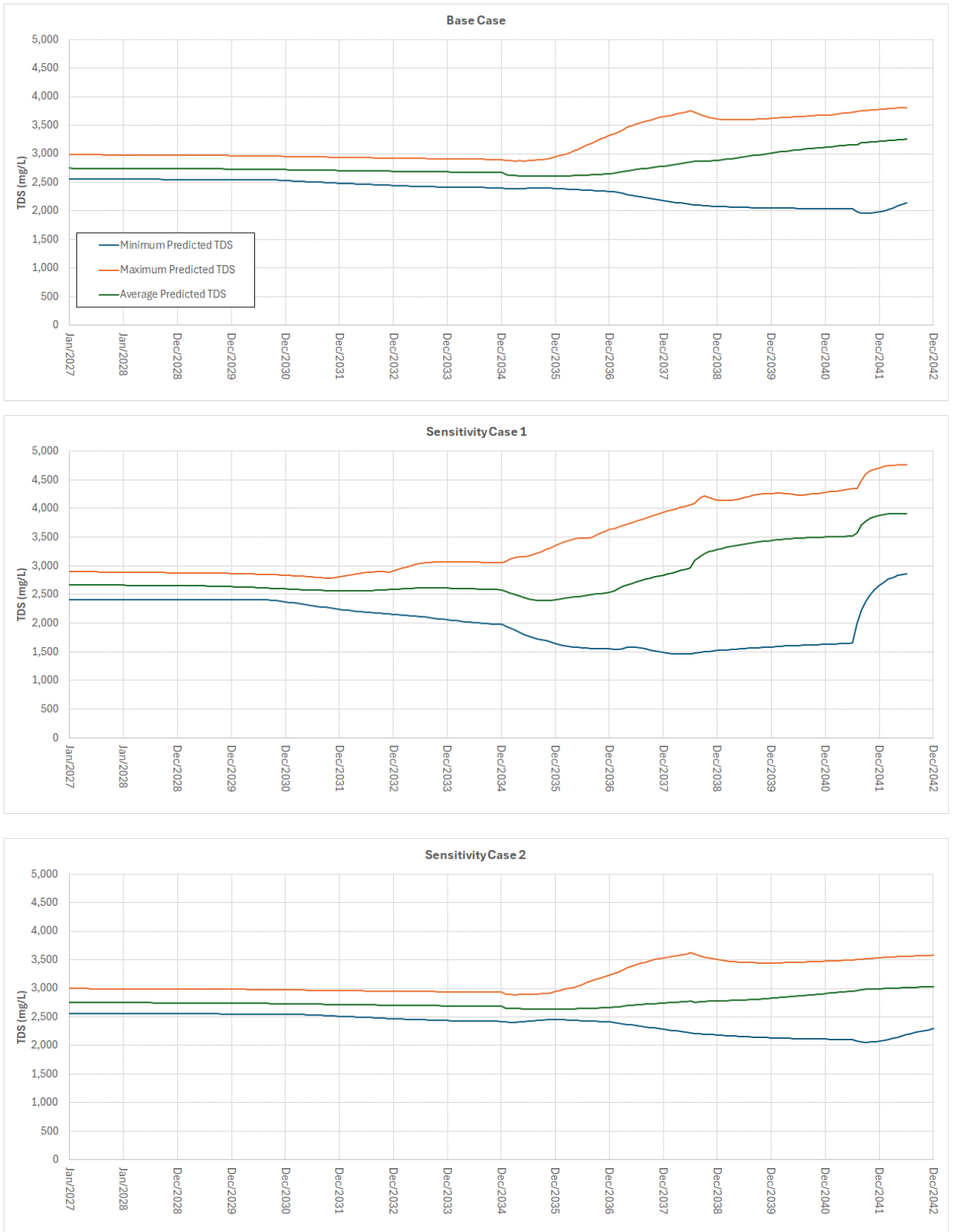


Figure C-15 Predicted TDS at Fridge West



TDS Results – Alternative Case

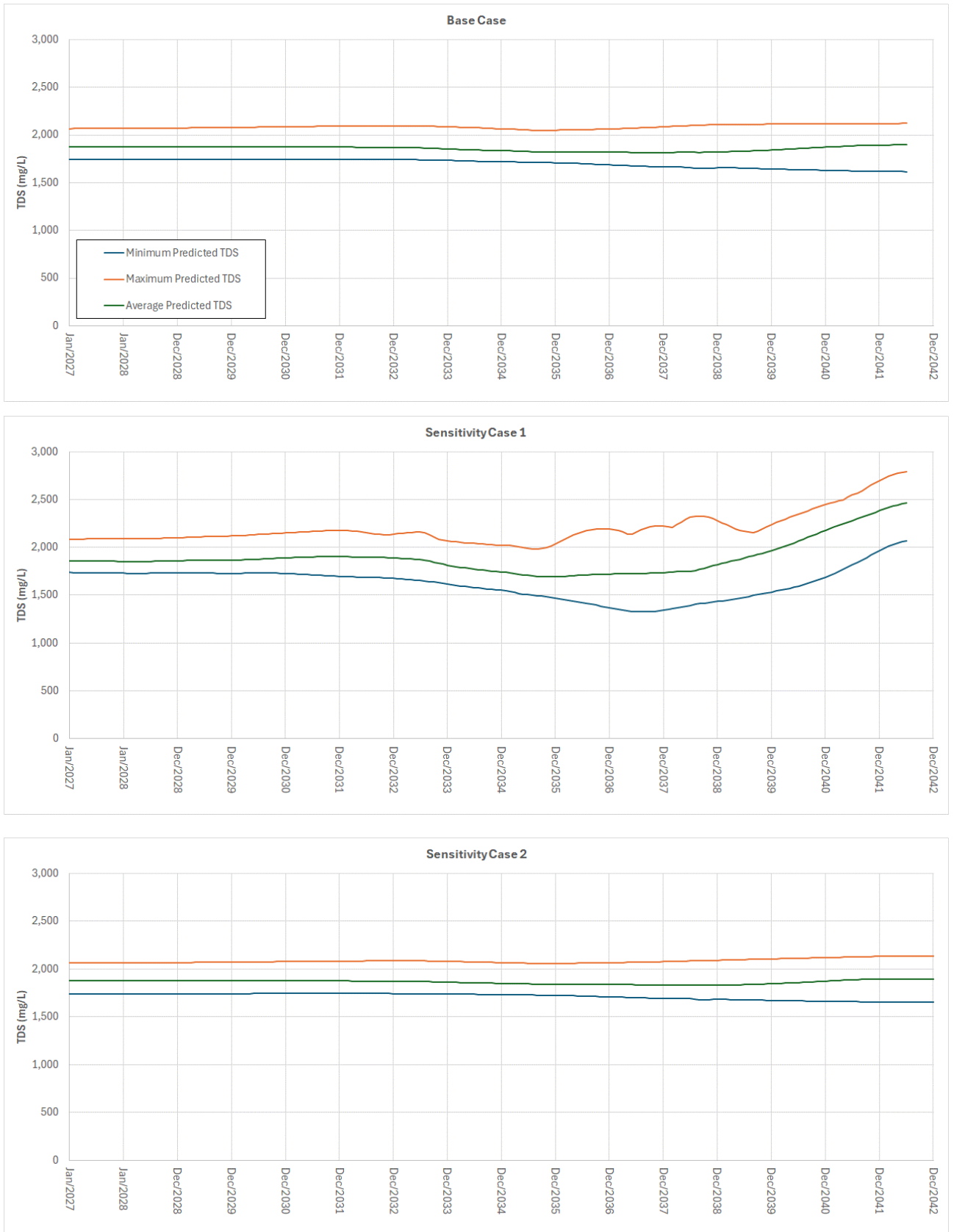


Figure C-16 Predicted TDS at Fridge Central



TDS Results – Alternative Case

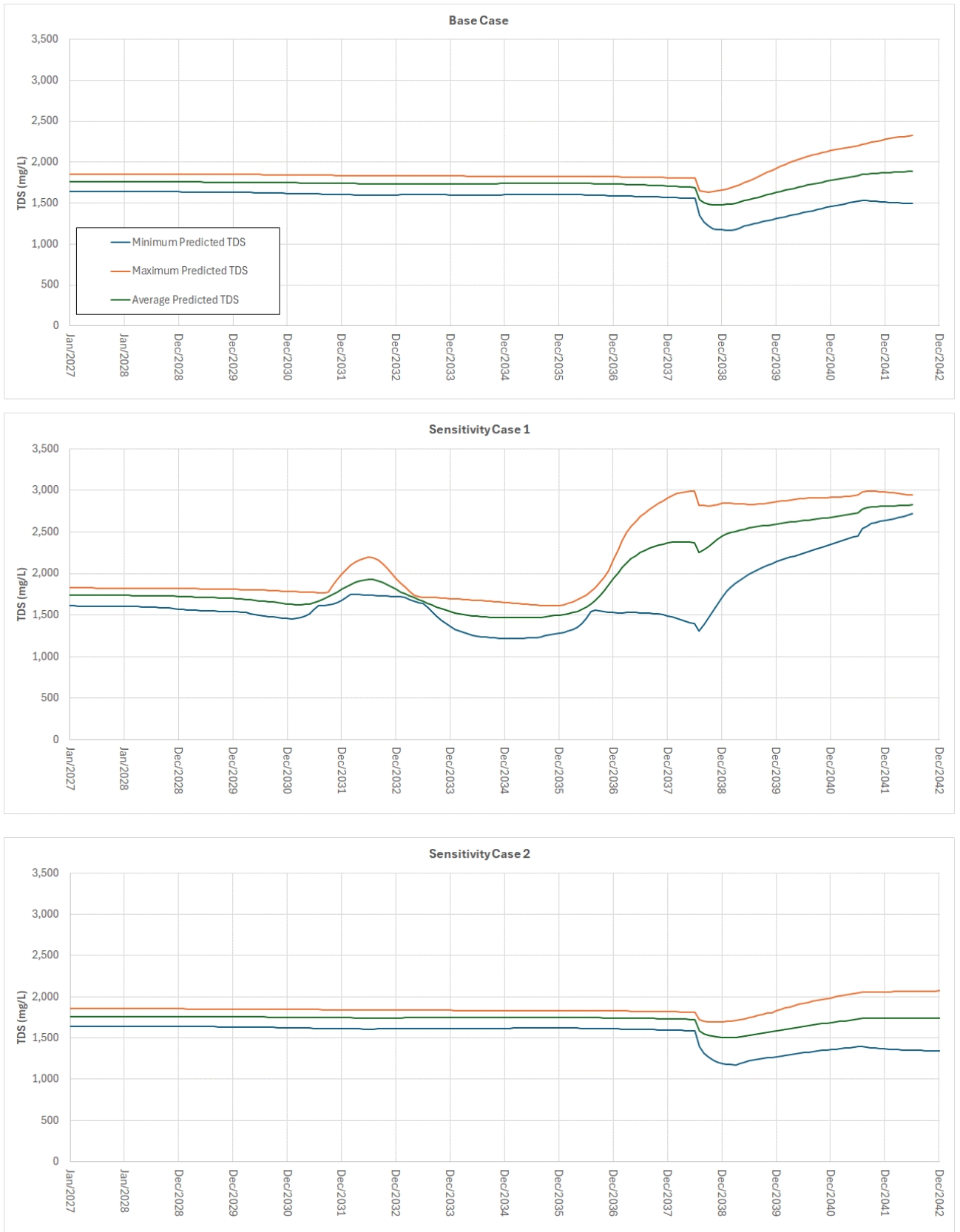


Figure C-17 Predicted TDS at Fridge Hill



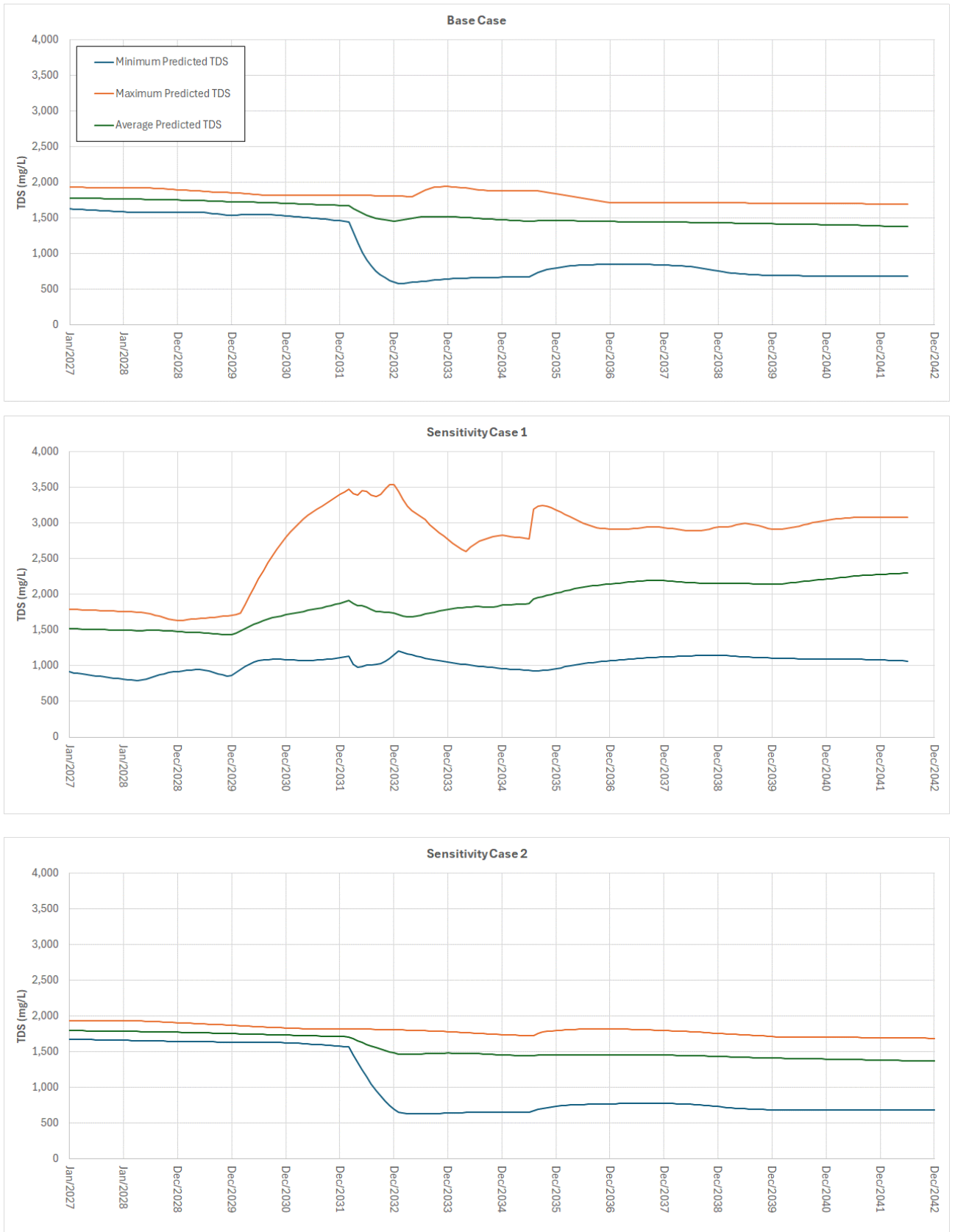


Figure C-18 Predicted TDS at Horseshoe West



TDS Results – Alternative Case

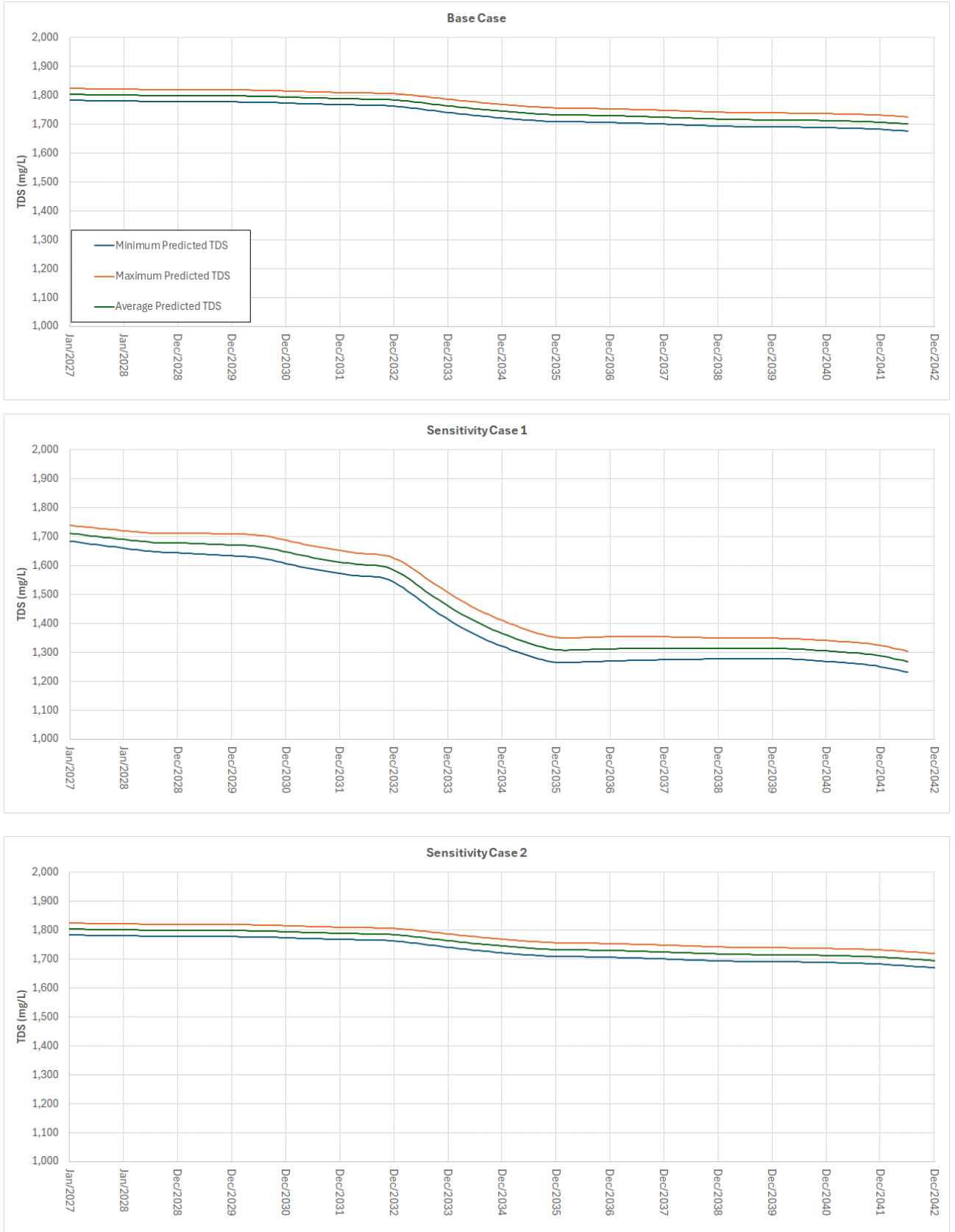


Figure C-19 Predicted TDS at Horseshoe Hill



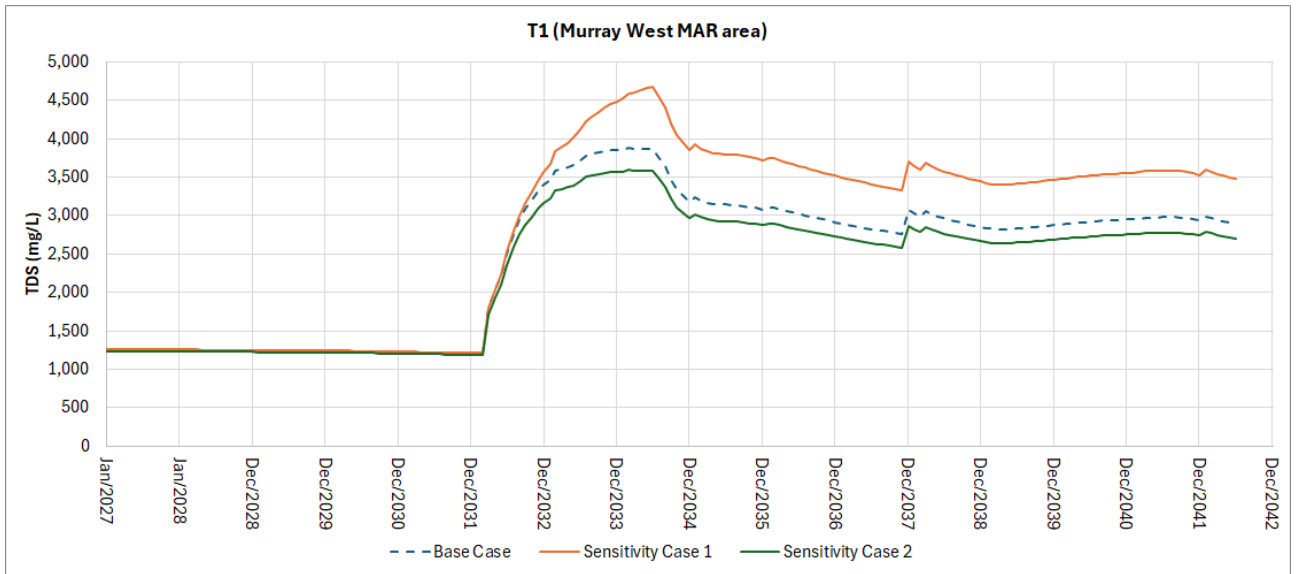


Figure C-20 Predicted TDS at T1 (Murray West MAR area)

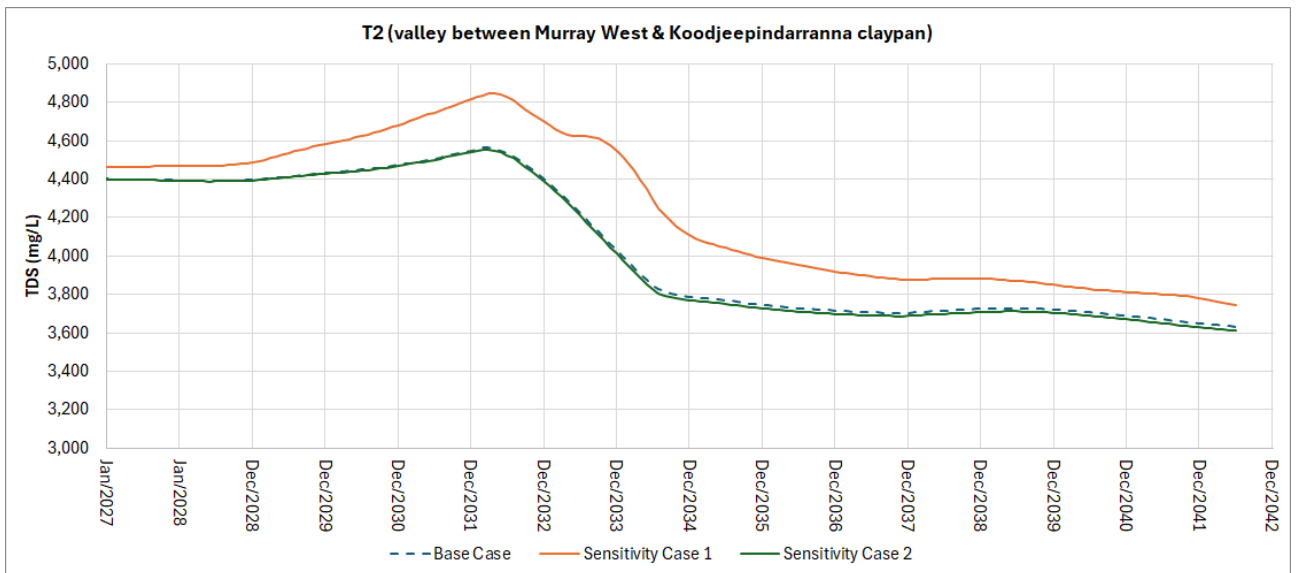


Figure C-21 Predicted TDS at T2 (valley between Murray West & Koodjeepindarranna claypan)



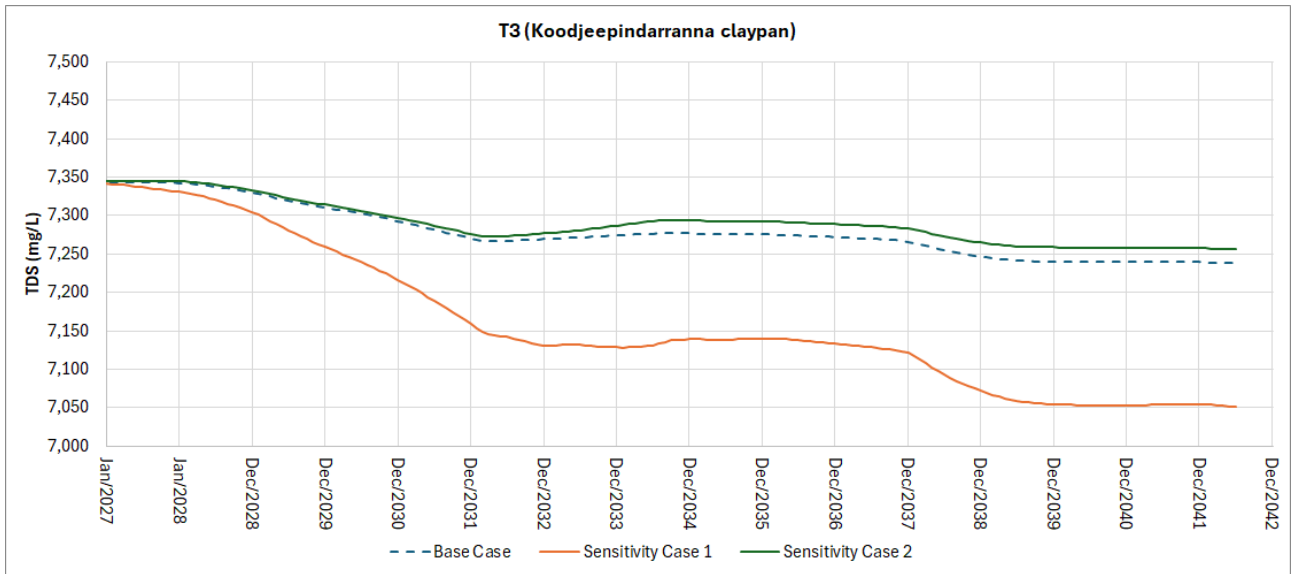


Figure C-22 Predicted TDS at T3 (Koojeeepindarranna claypan)

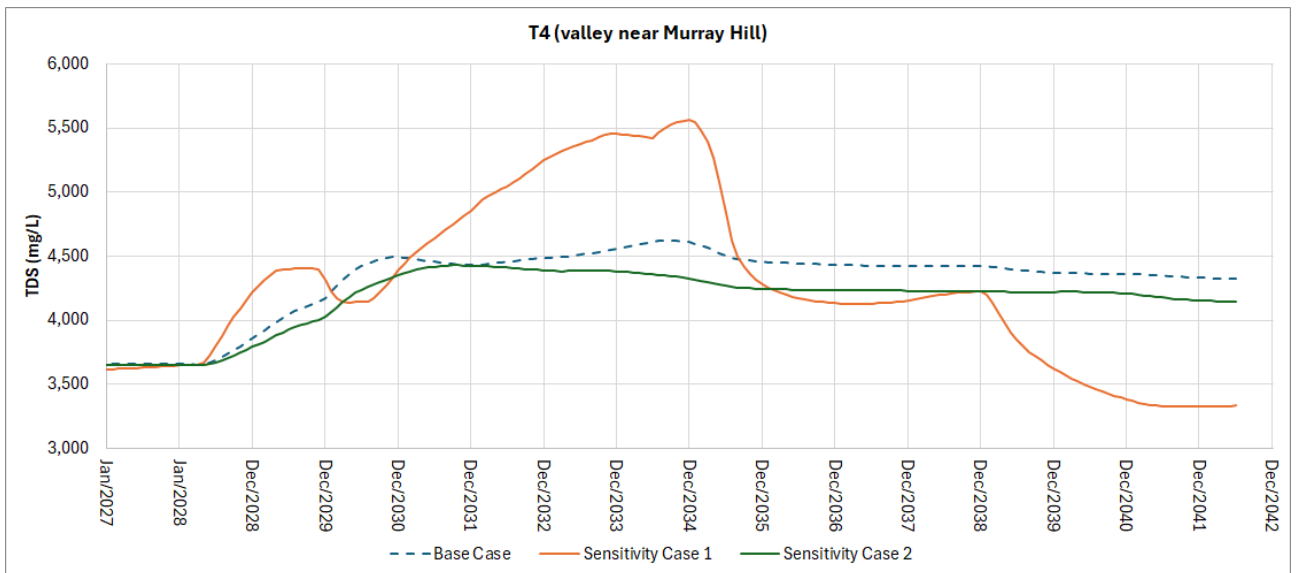


Figure C-23 Predicted TDS at T4 (valley near Murray Hill)



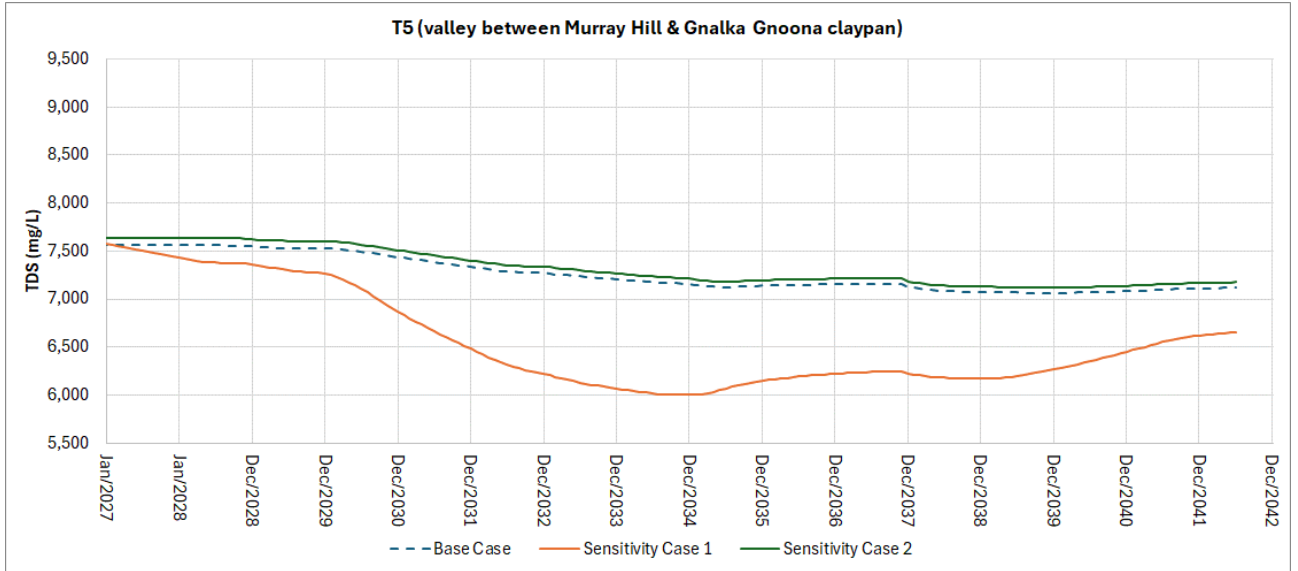


Figure C-24 Predicted TDS at T5 (valley between Murray Hill & Gnalka Gnoona claypan)

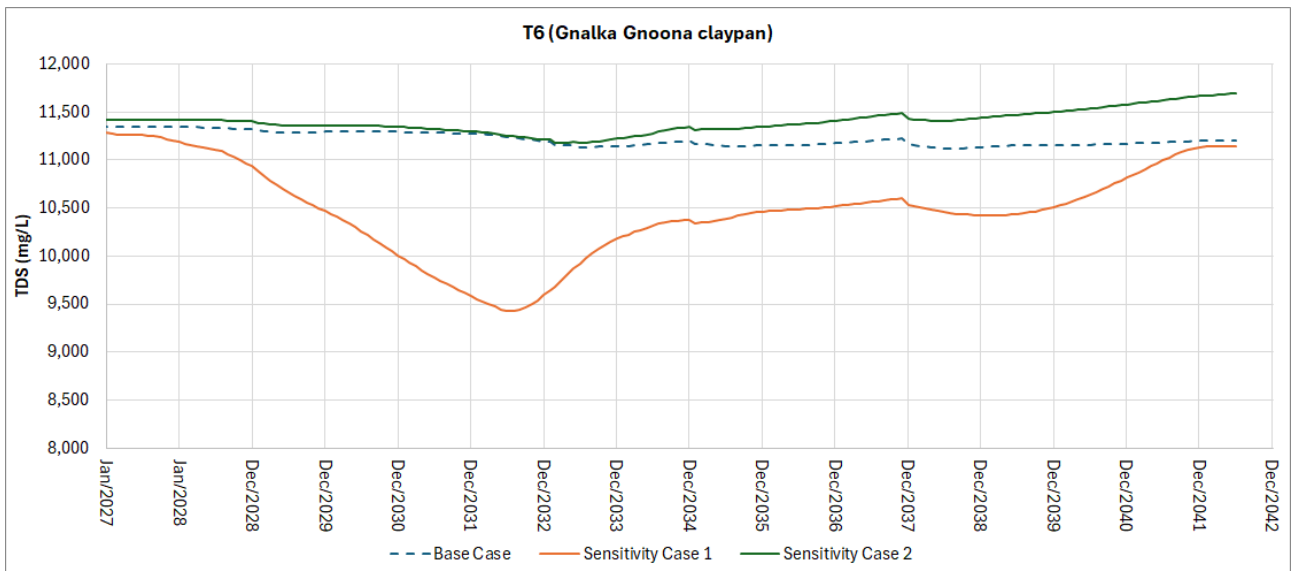


Figure C-25 Predicted TDS at T6 (Gnalka Gnoona claypan)



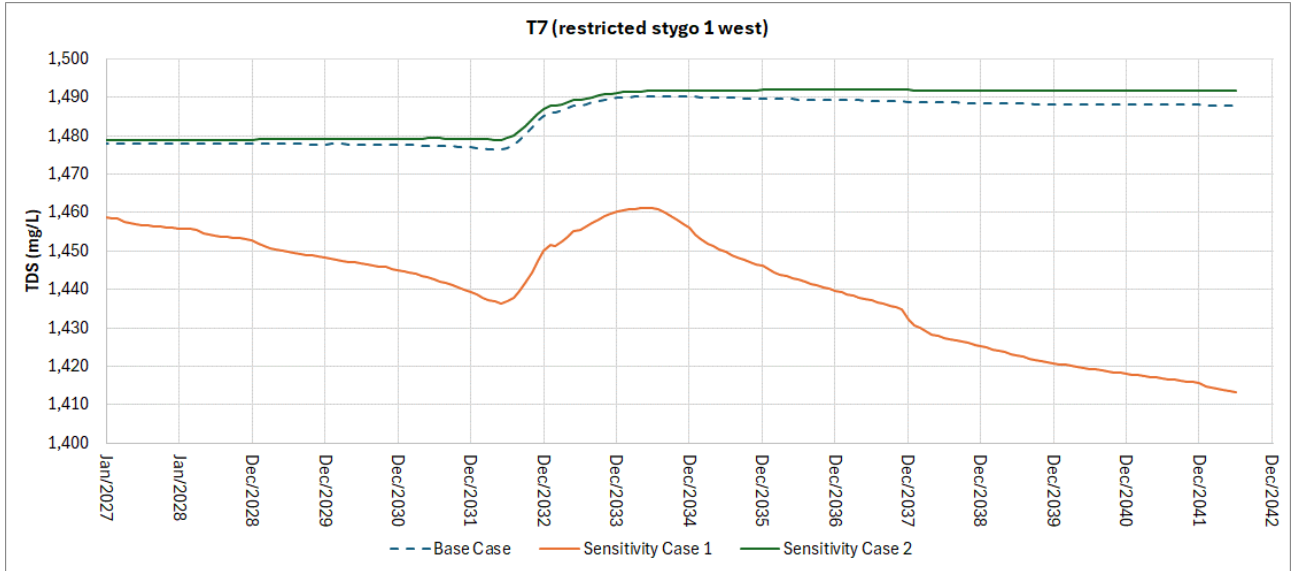


Figure C-26 Predicted TDS at T7 (restricted stygo 1 west)

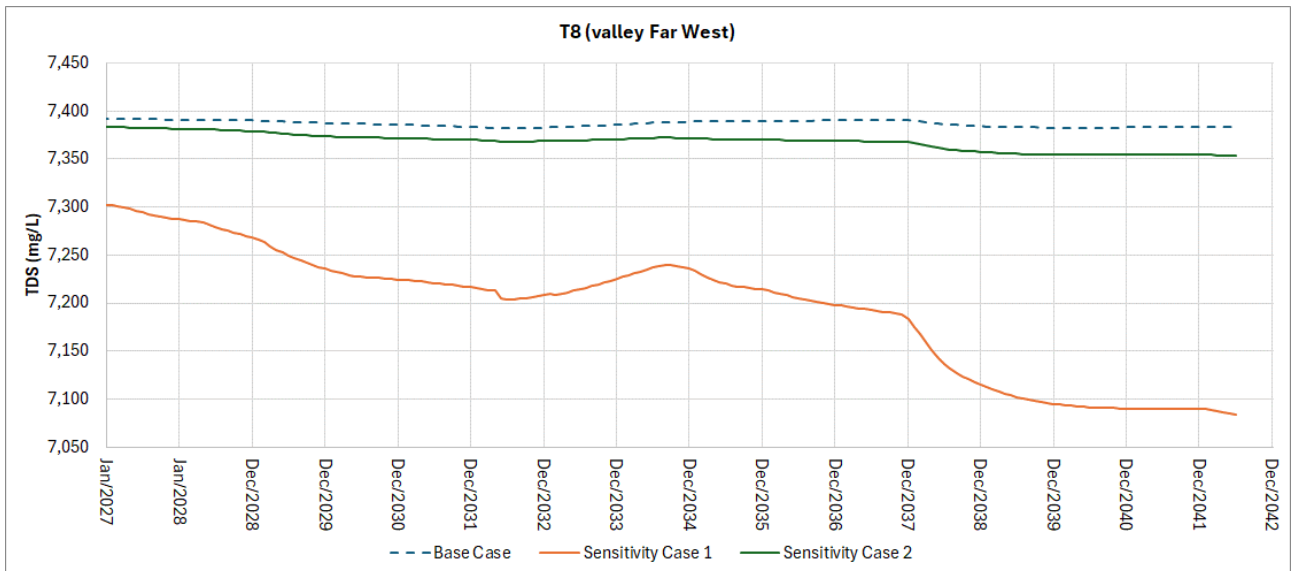


Figure C-27 Predicted TDS at T8 (valley Far West)



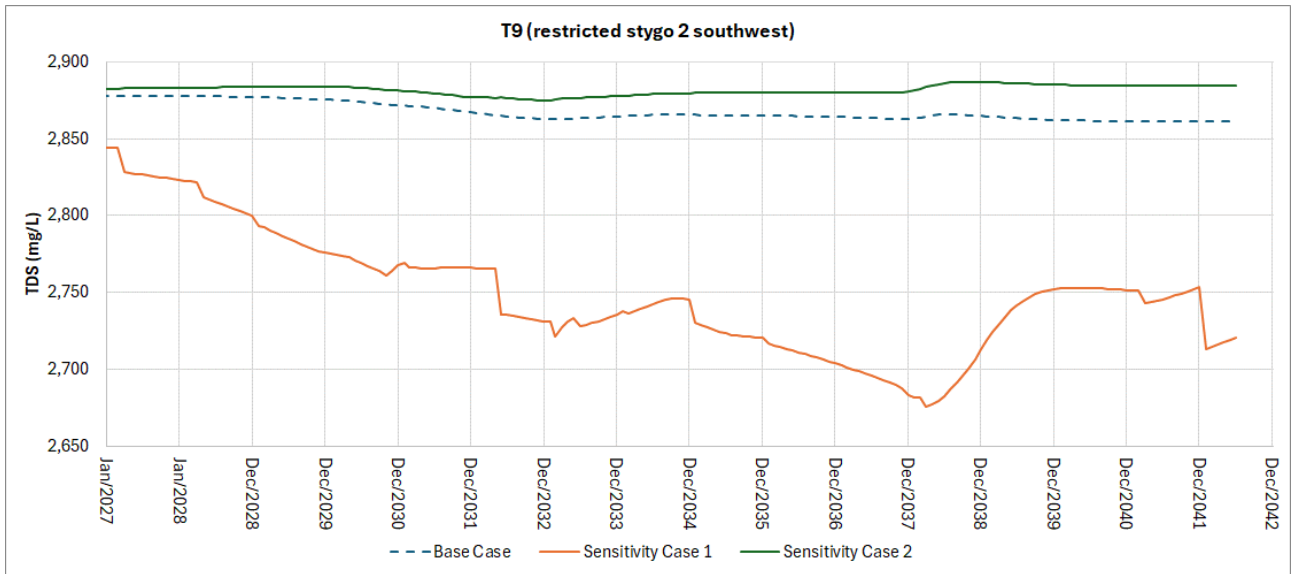


Figure C-28 Predicted TDS at T9 (restricted stygo 2 southwest)

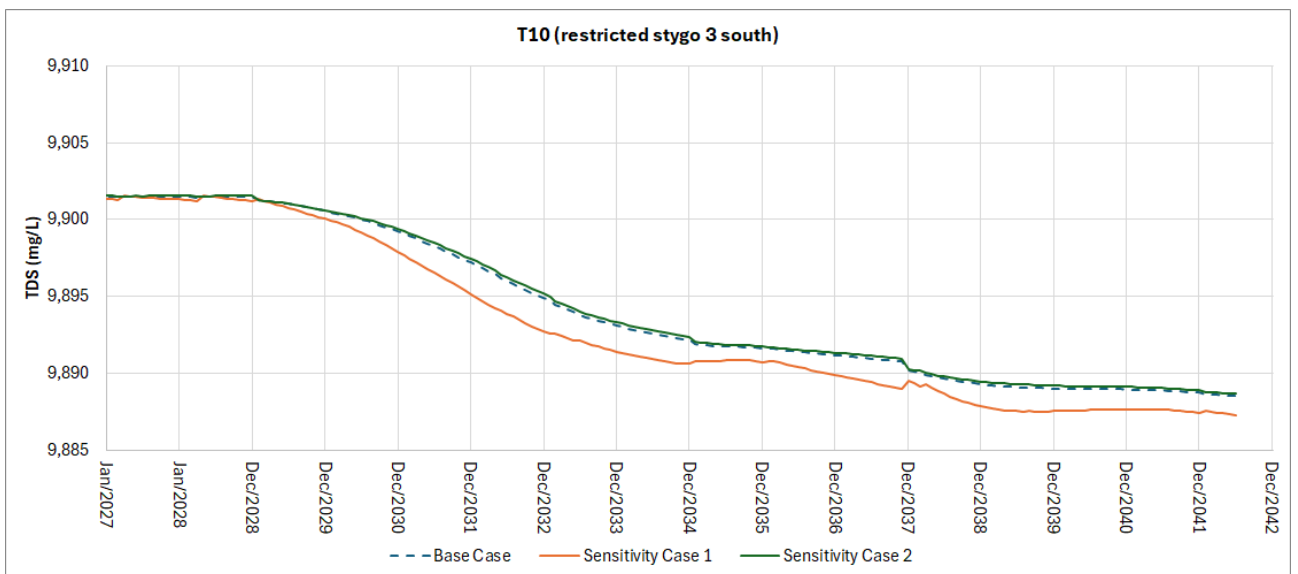


Figure C-29 Predicted TDS at T10 (restricted stygo 3 south)



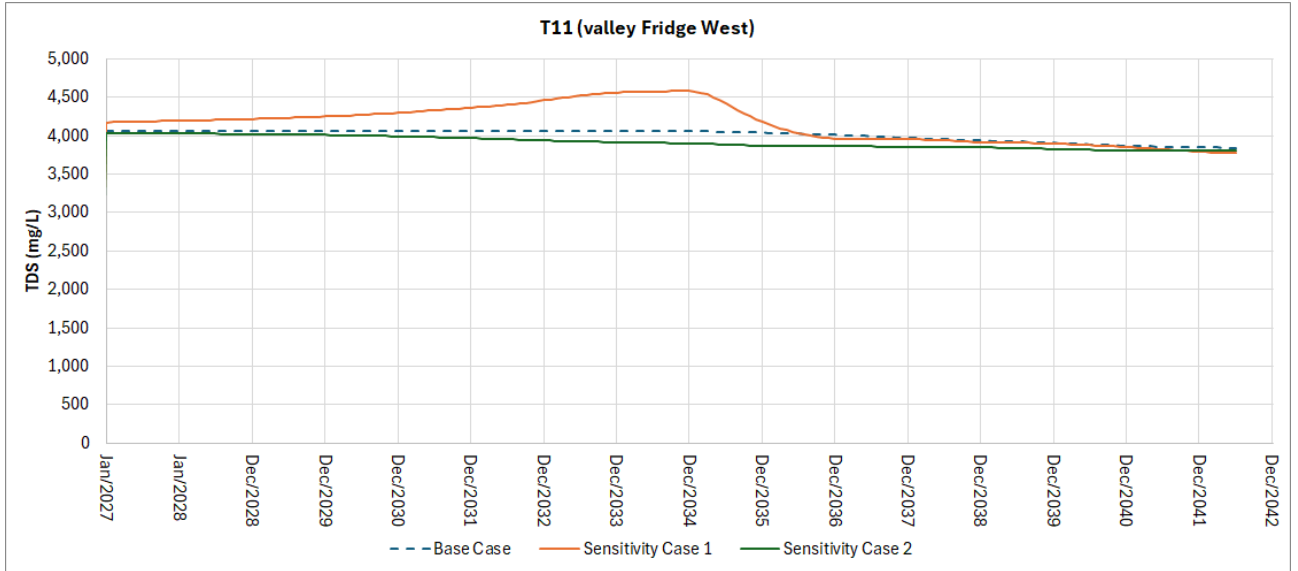


Figure C-30 Predicted TDS at T11 (valley Fridge West)

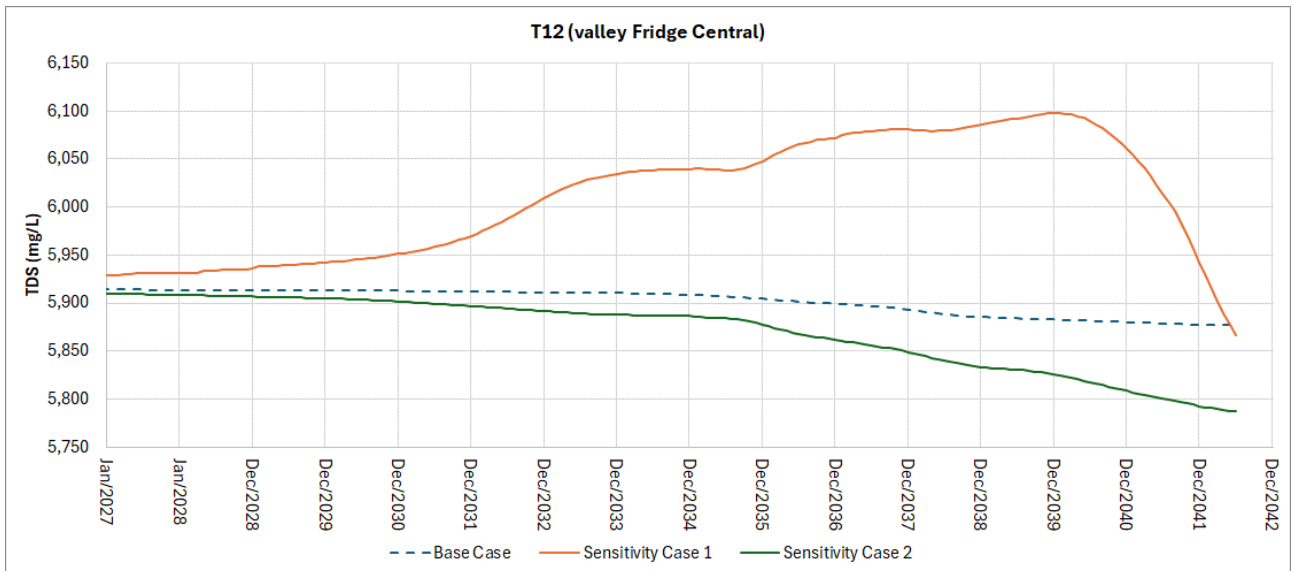


Figure C-31 Predicted TDS at T12 (valley Fridge Central)



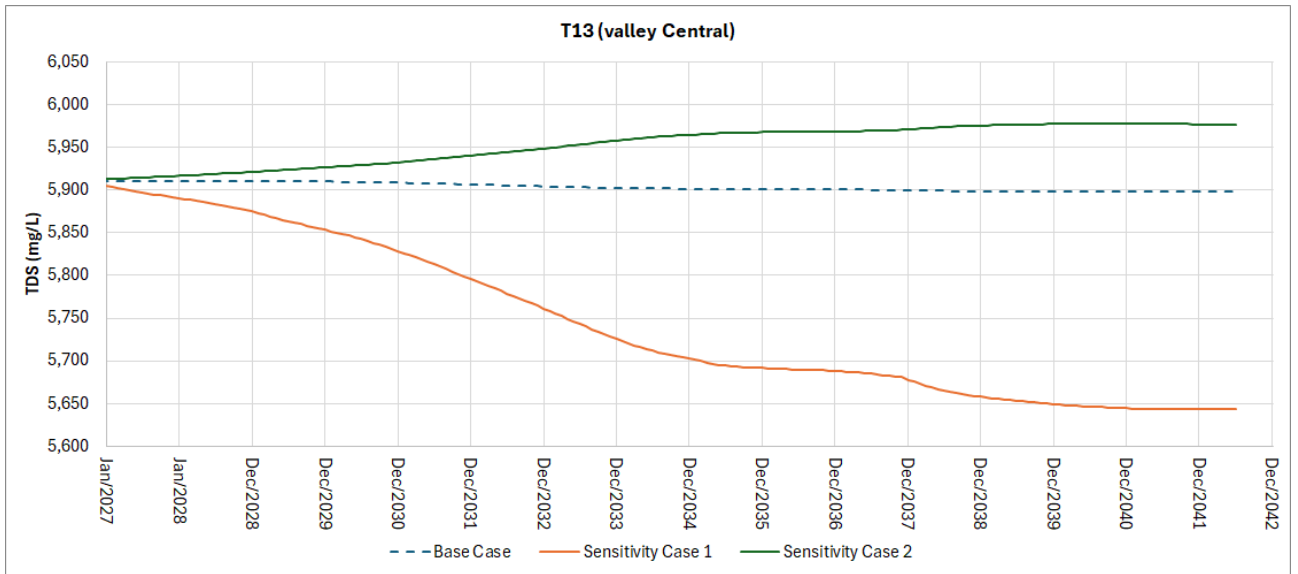


Figure C-32 Predicted TDS at T13 (valley Central)

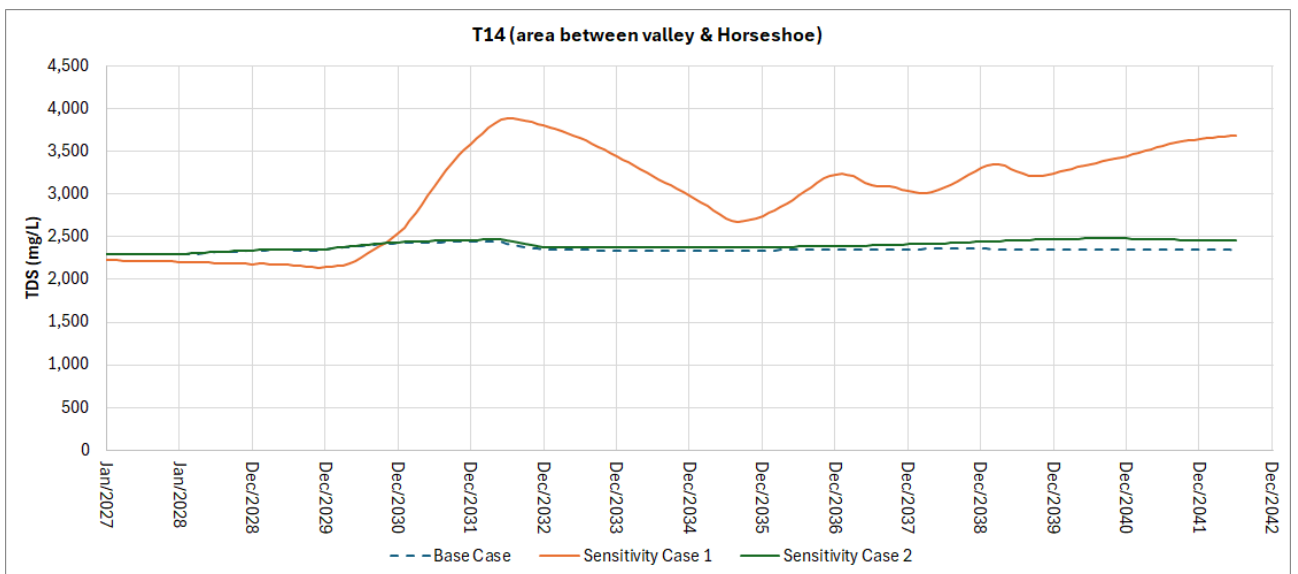


Figure C-33 Predicted TDS at T14 (area between valley & Horseshoe)



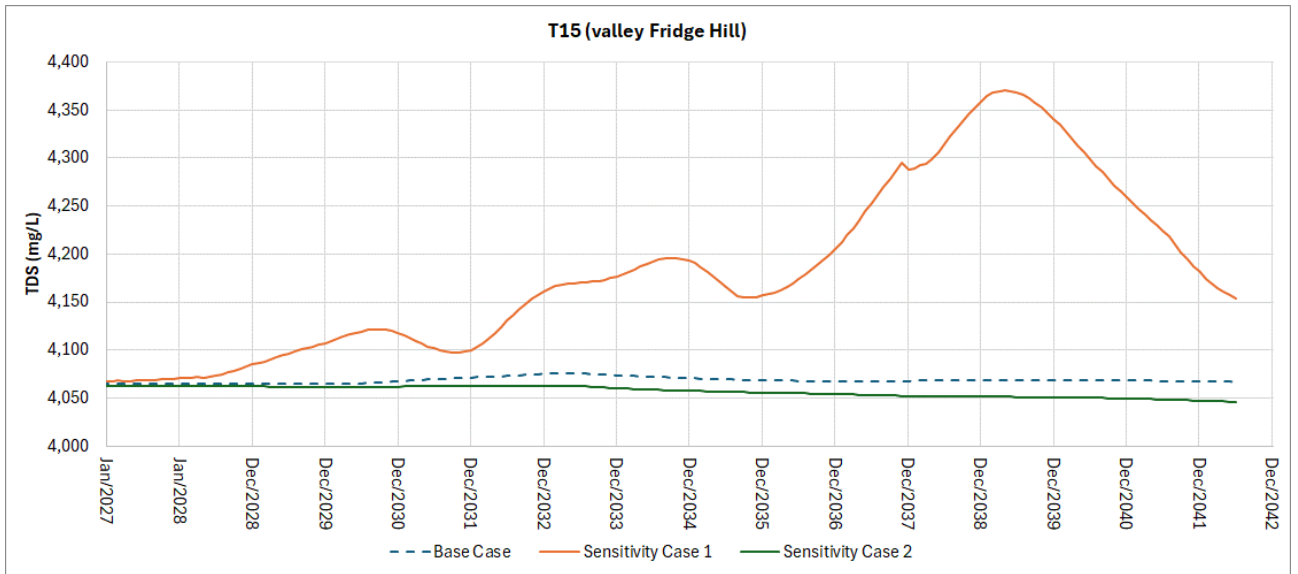


Figure C-34 Predicted TDS at T15 (valley Fridge Hill)

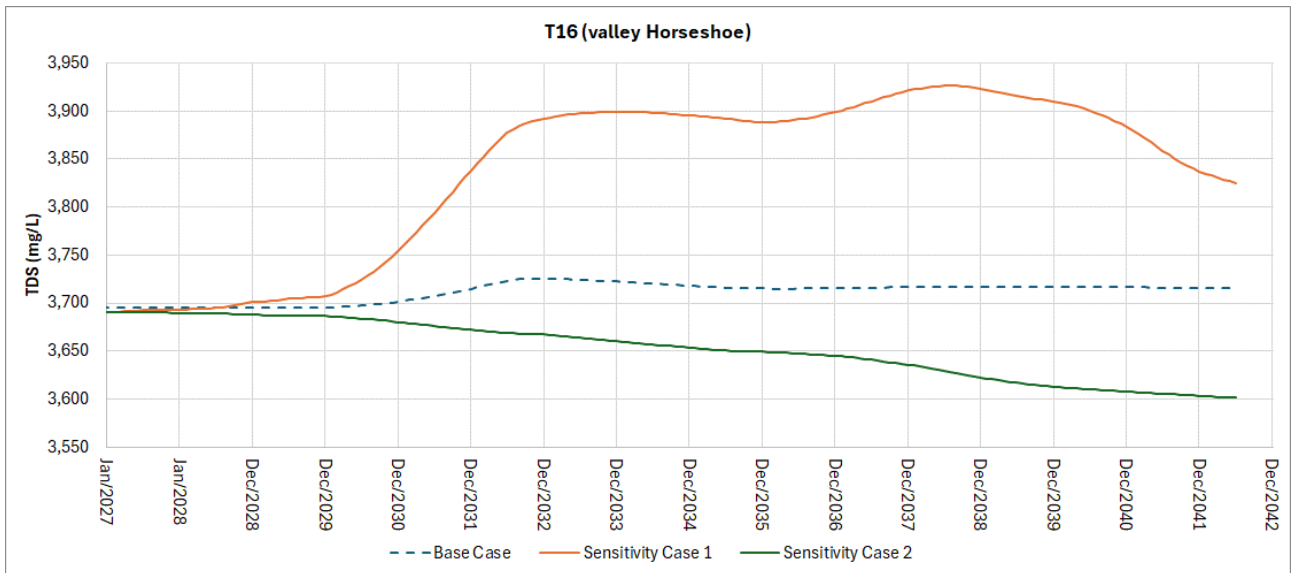


Figure C-35 Predicted TDS at T16 (valley Horseshoe)



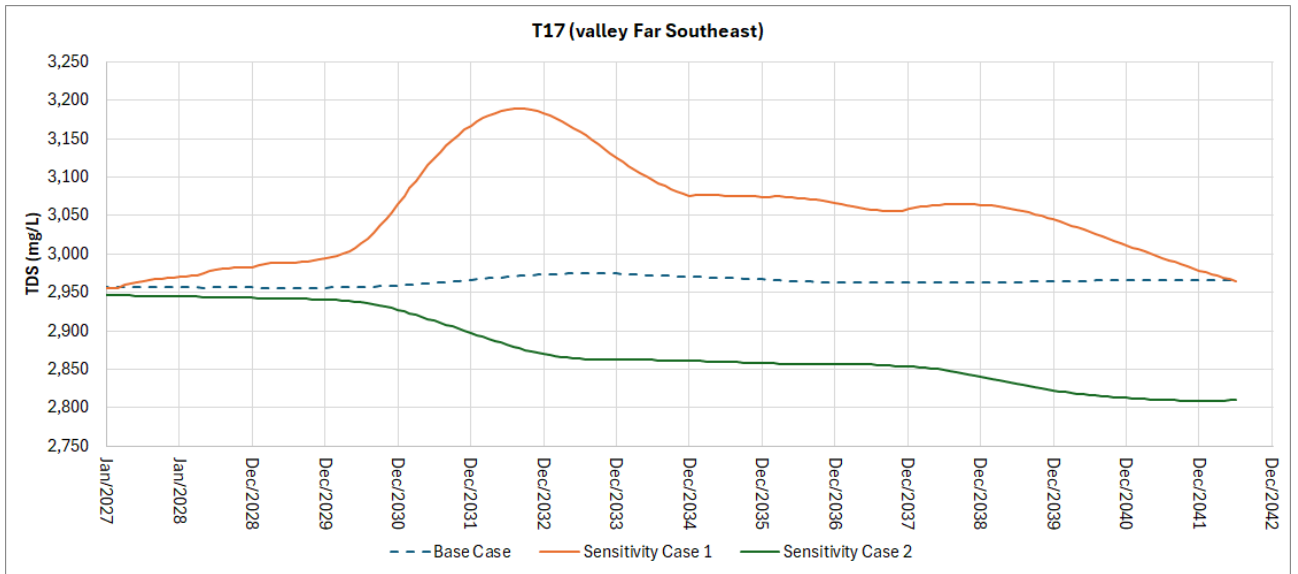


Figure C-36 Predicted TDS at T17 (valley Far Southeast)

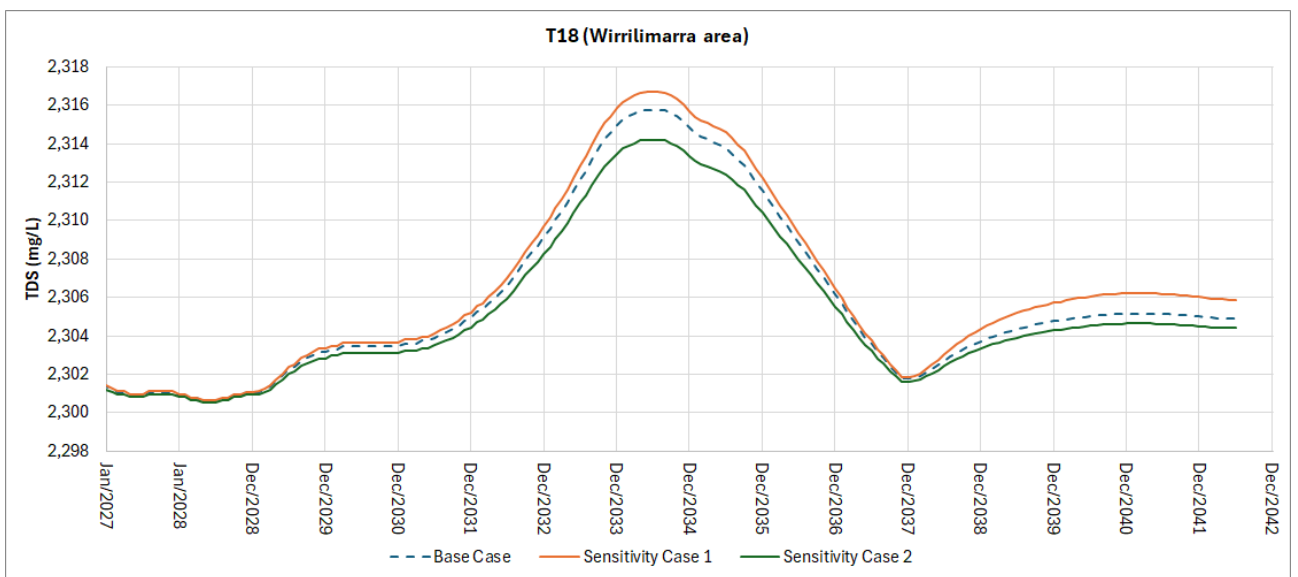
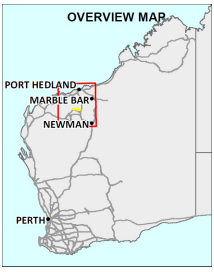
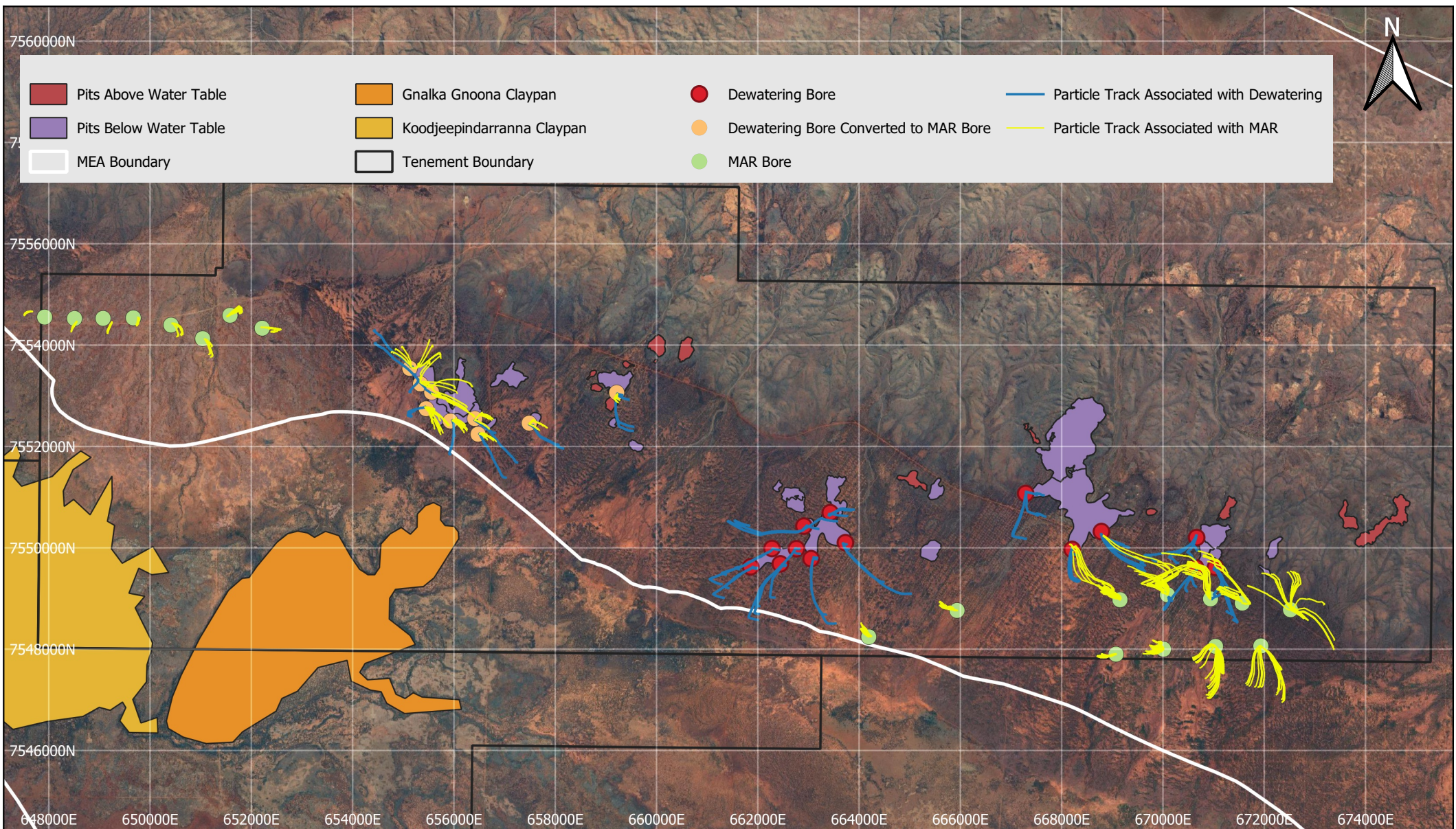


Figure C-37 Predicted TDS at T18 (Wirrilimarra area)





Appendix D Particle Tracking



NOTES & DATA SOURCES:
 Not for construction
 ESPG:28350 (GDA94/MGA zone 50)

AUTHOR: MP
 DRAWN: MP
 DATE: 3/10/2024

Report NO: GWC-020-2022
 REVISION: H
 JOB No: 020-2022

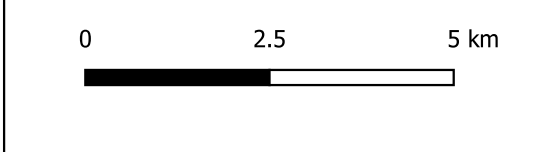
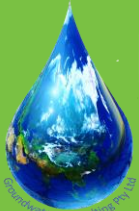


Figure D1
Predicted particle tracks



Appendix E Uncertainty Results

NOTE: Positive values on charts represent predicted drawdown. Negative values on charts represent predicted mounding.

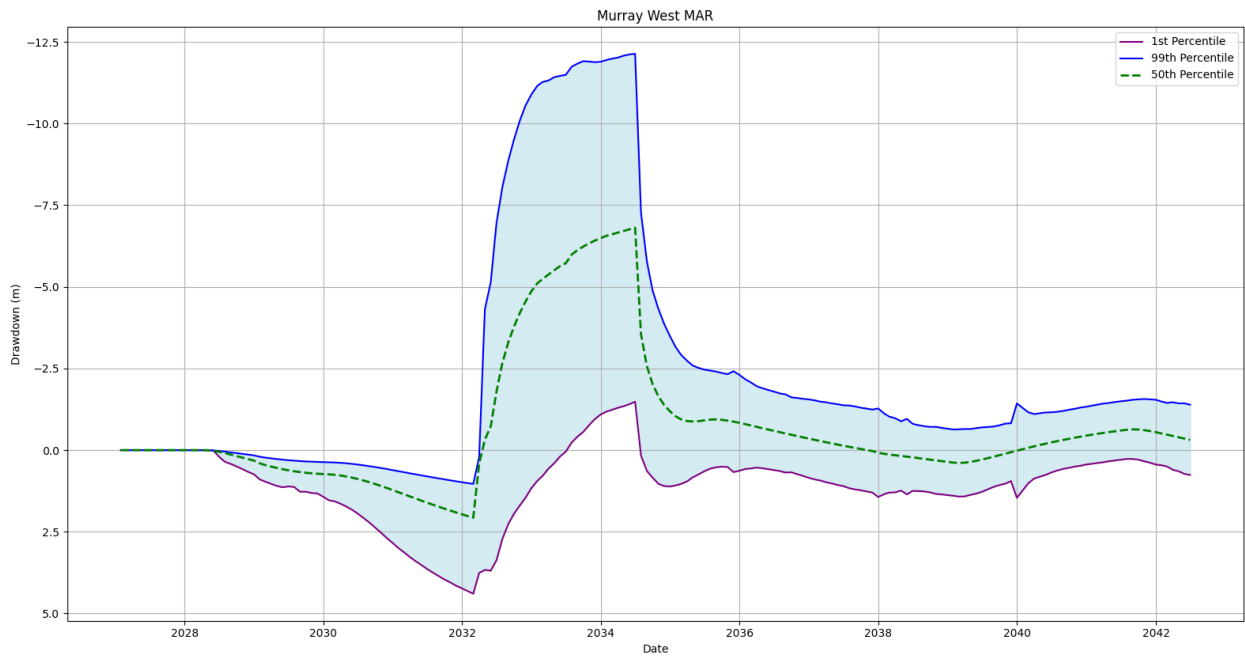


Figure E-1 Predicted aquifer recovery at T1 (Murray West MAR area)

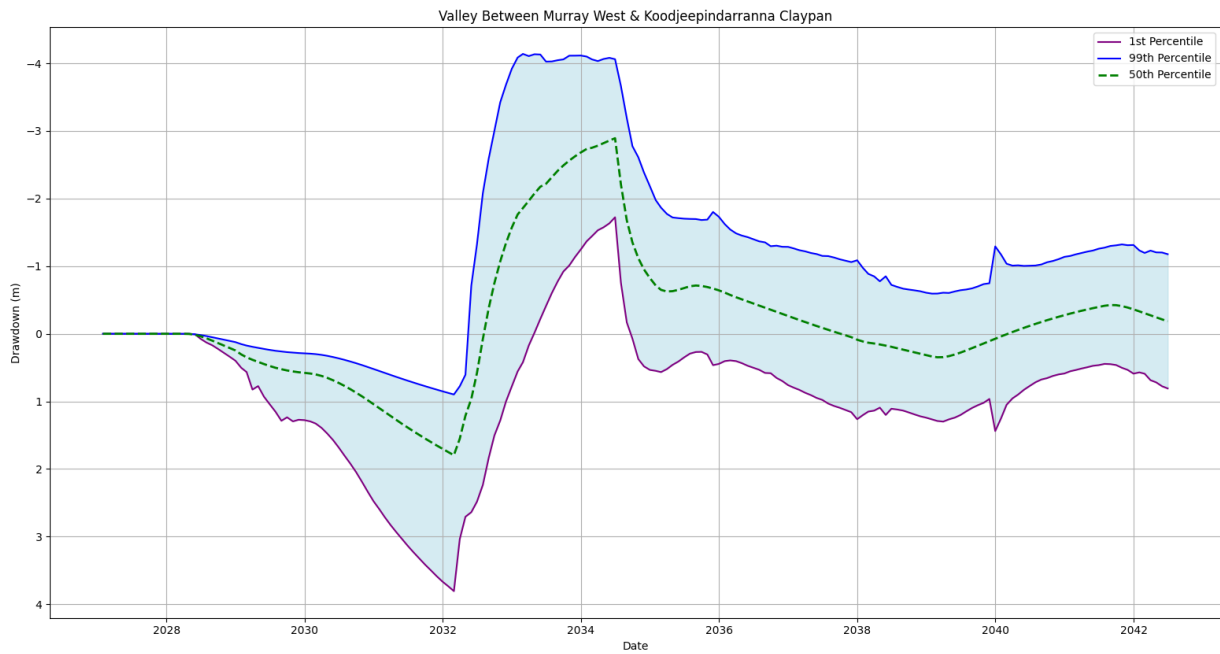


Figure E-2 Predicted aquifer recovery at T2 (valley between Murray West & Koojeeppindarranna claypan)



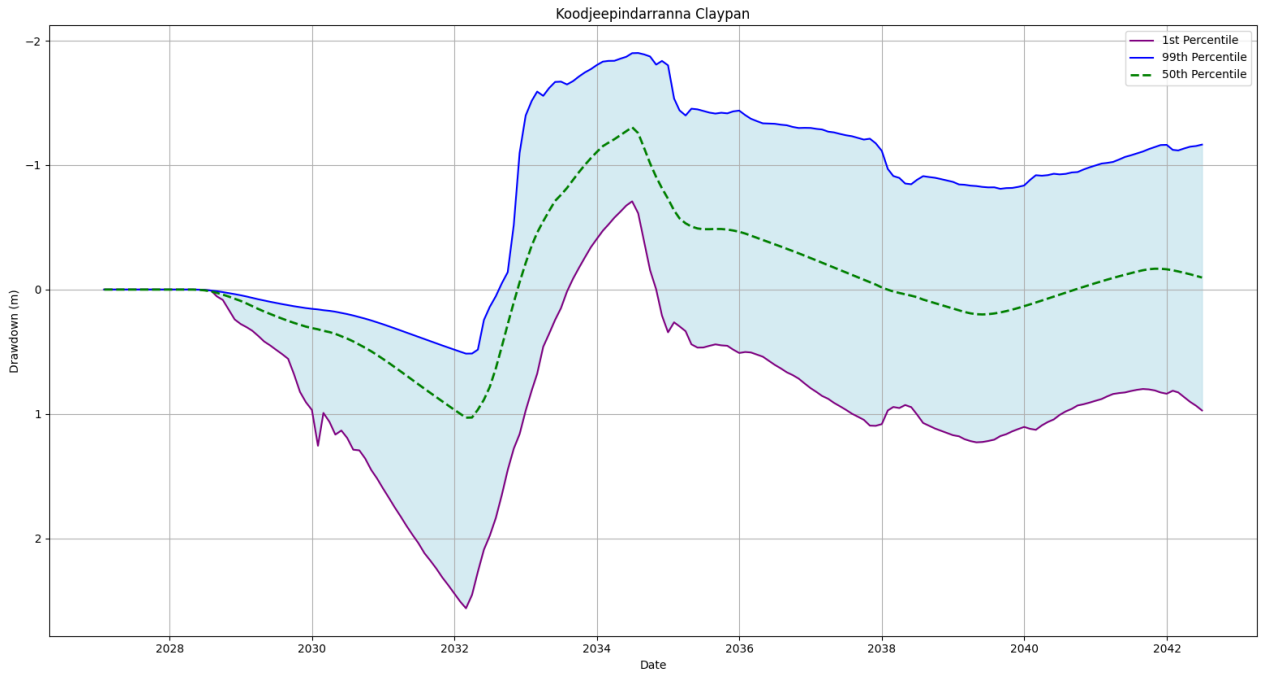


Figure E-3 Predicted aquifer recovery at T3 (Koojeeepindarranna claypan)

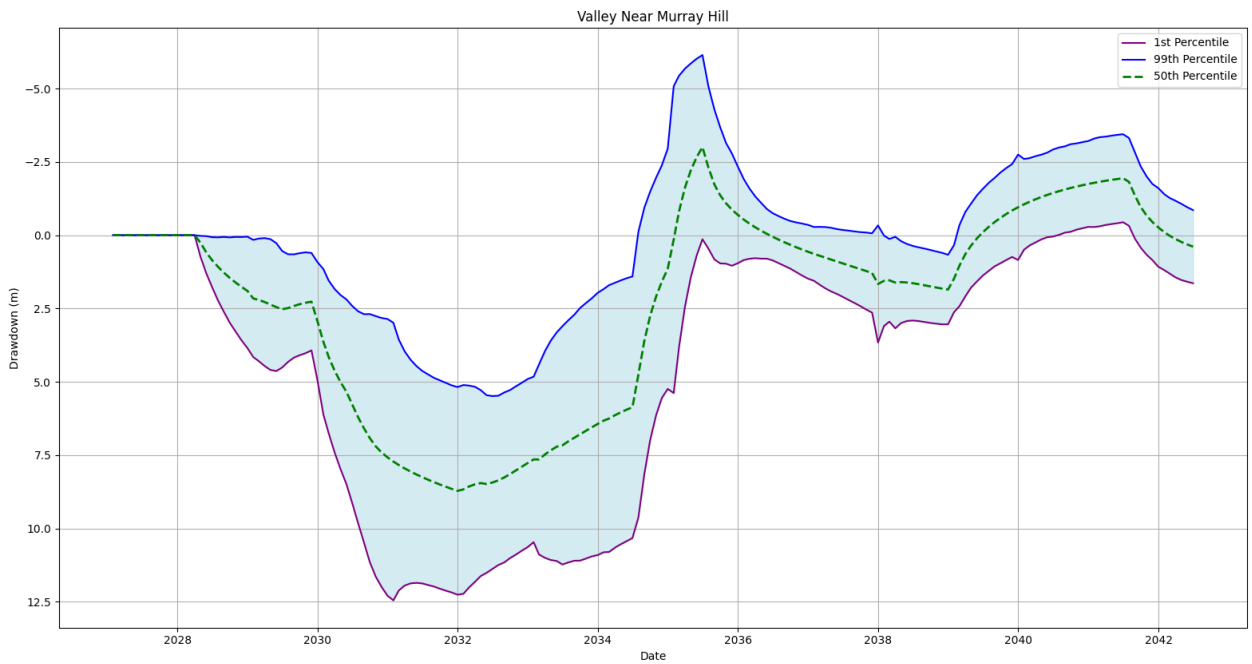


Figure E-4 Predicted aquifer recovery at T4 (valley near Murray Hill)



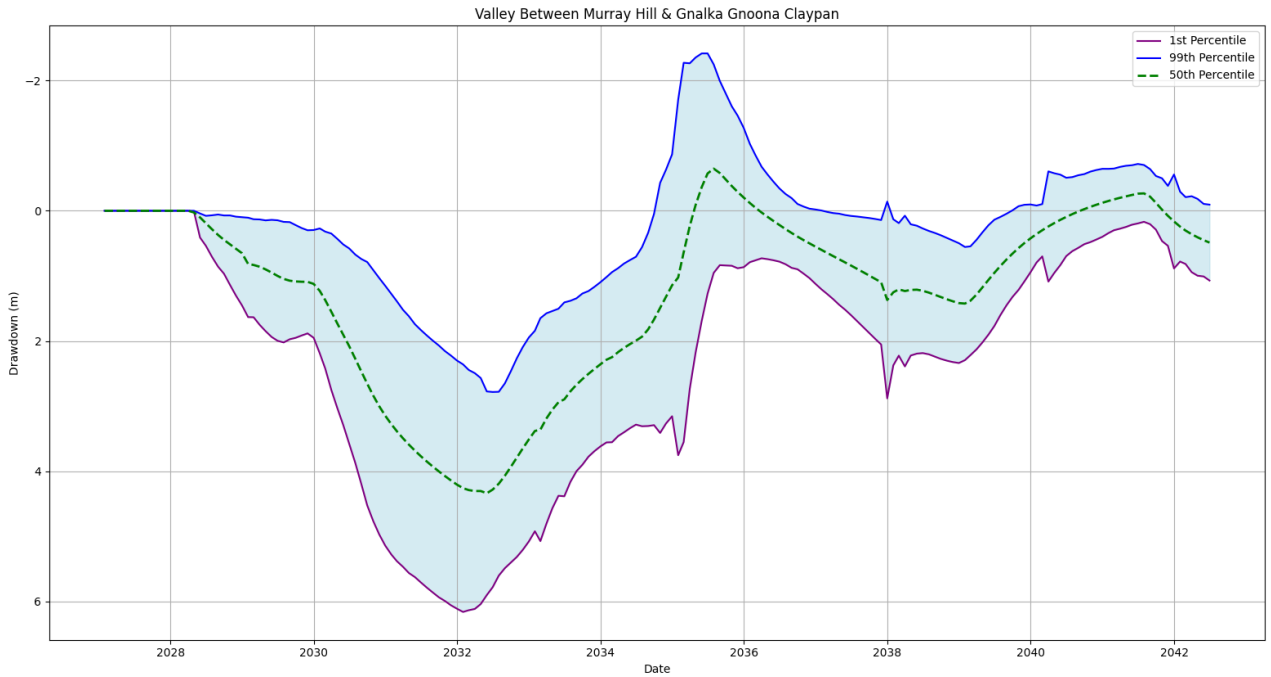


Figure E-5 Predicted aquifer recovery at T5 (valley between Murray Hill & Gnalka Gnoona claypan)

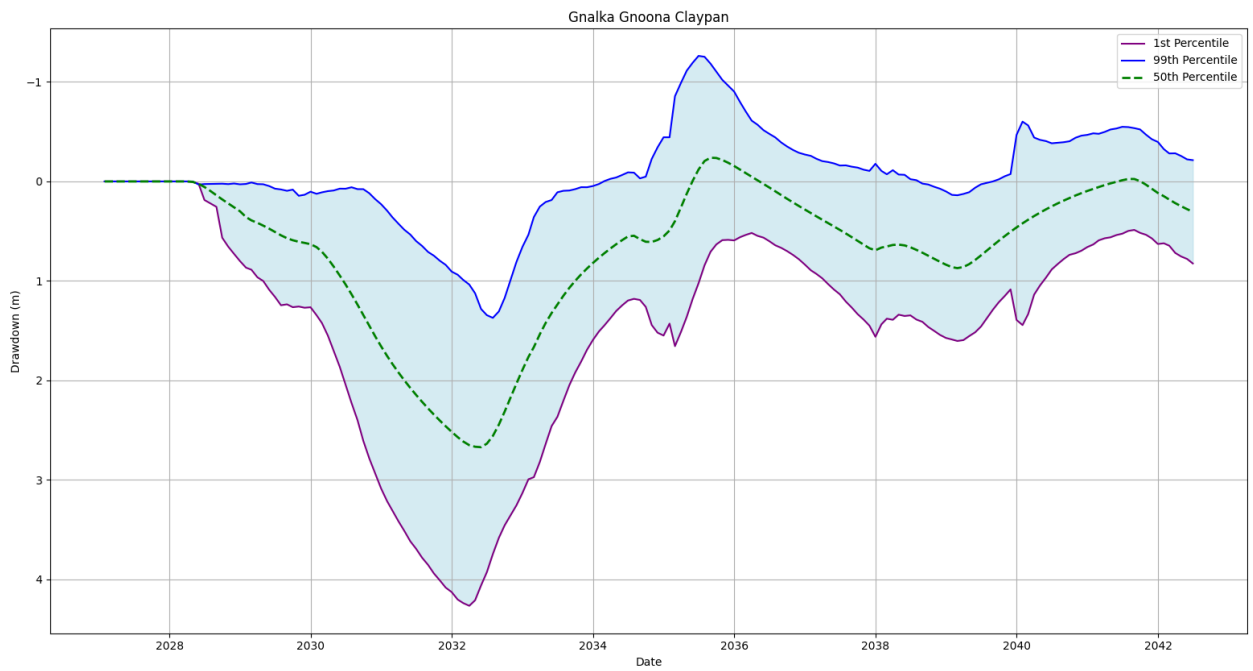


Figure E-6 Predicted aquifer recovery at T6 (Gnalka Gnoona claypan)



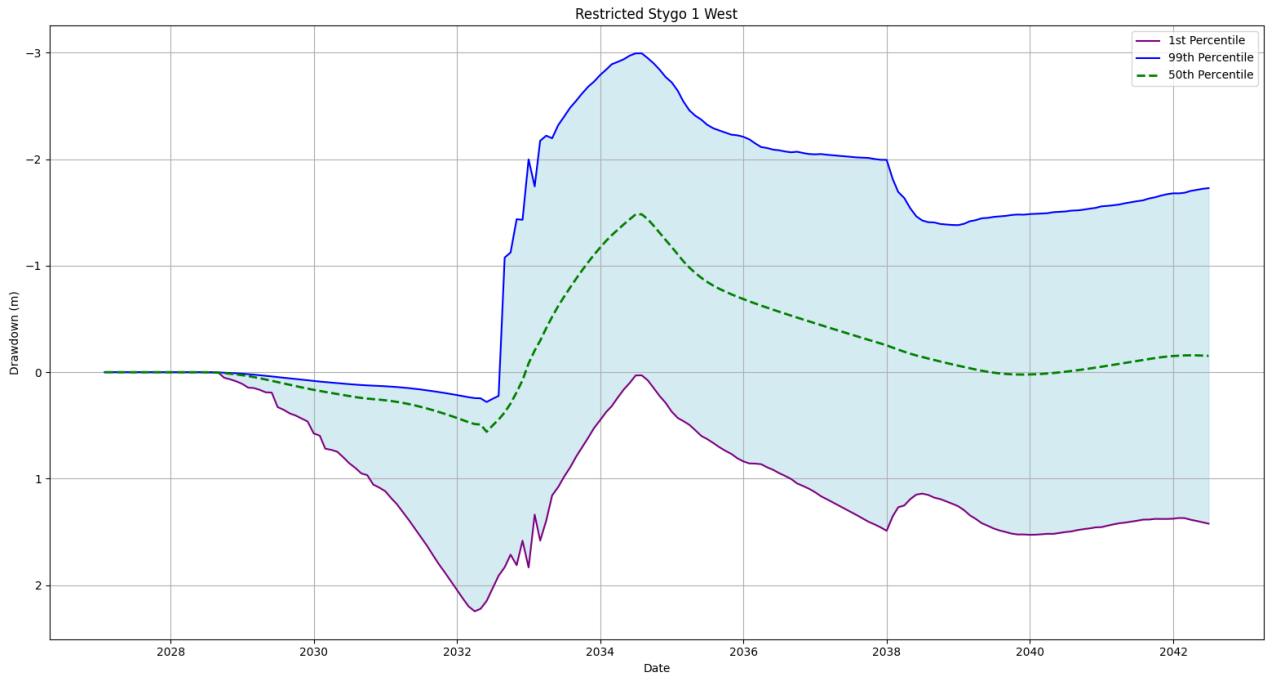


Figure E-7 Predicted aquifer recovery at T7 (restricted stygo 1 west)

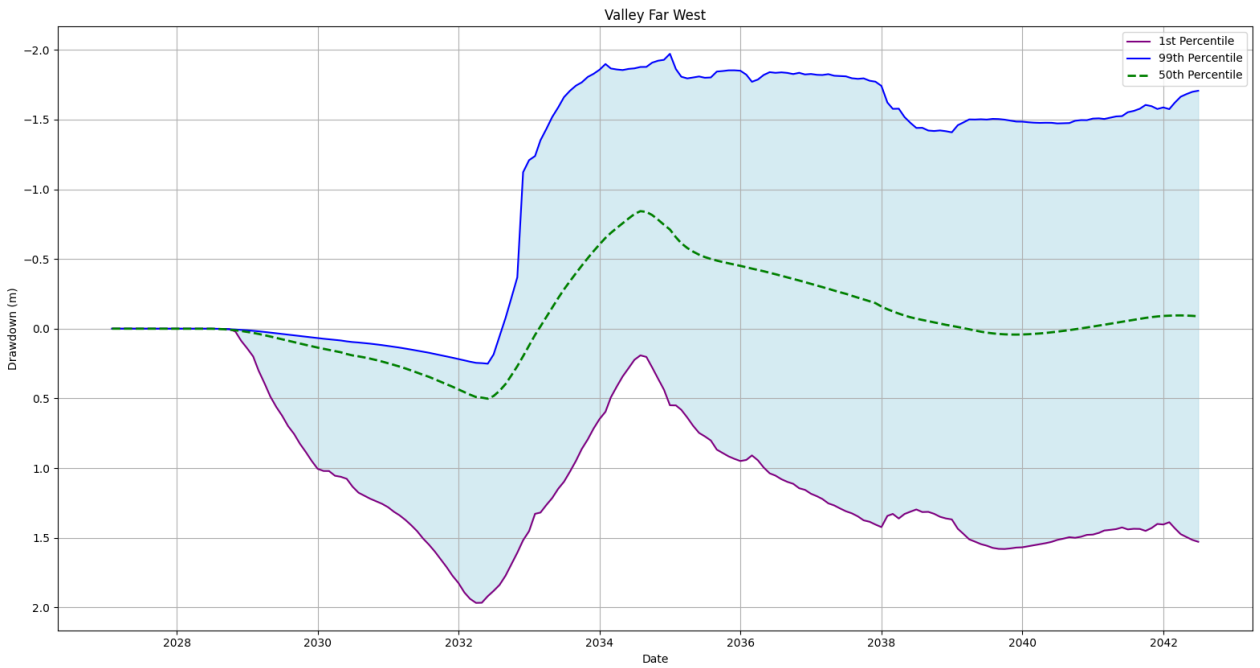


Figure E-8 Predicted aquifer recovery at T8 (valley Far West)



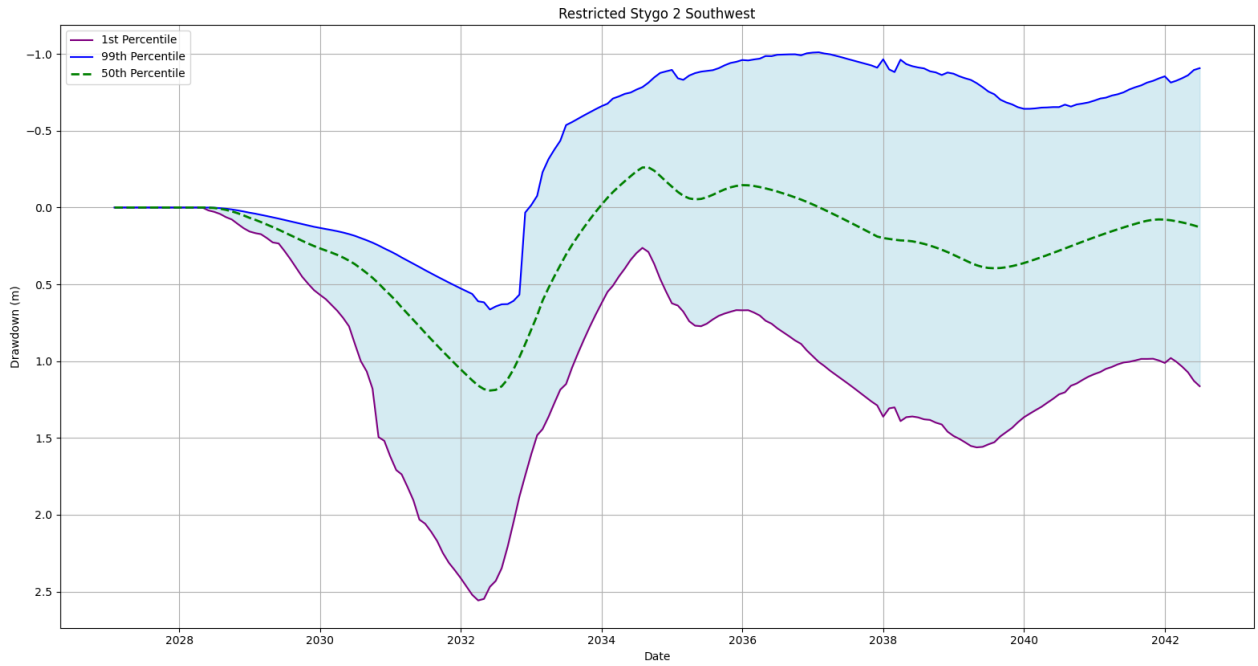


Figure E-9 Predicted aquifer recovery at T9 (restricted stygo 2 southwest)

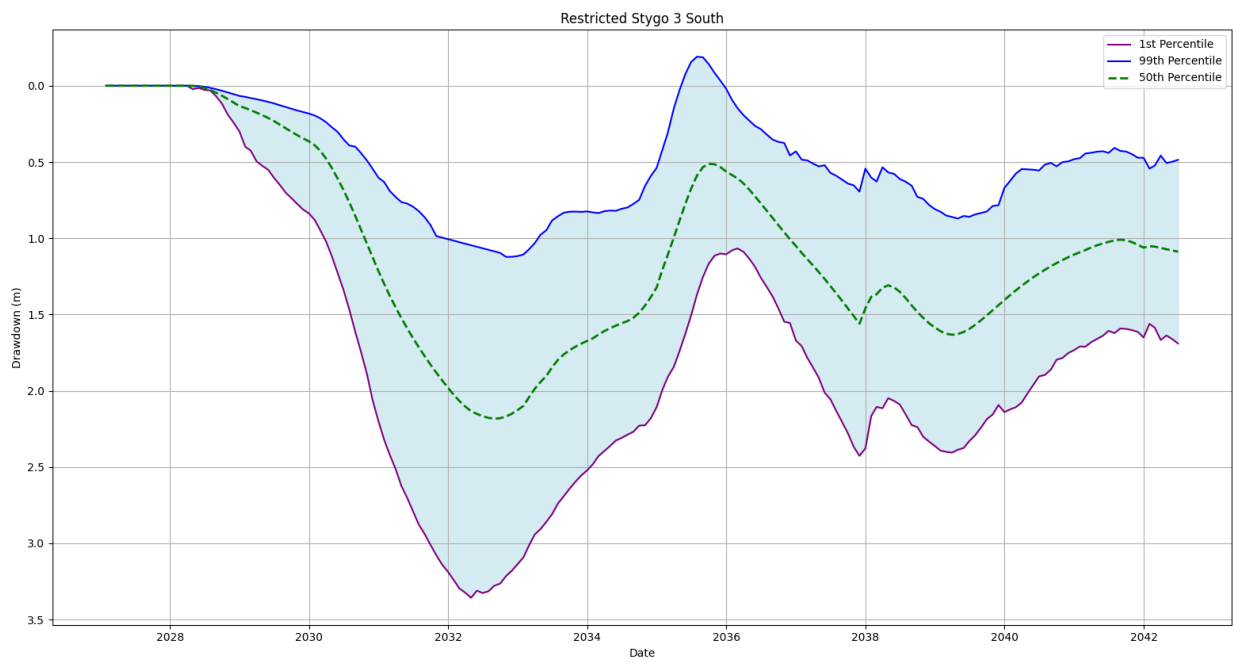


Figure E-10 Predicted aquifer recovery at T10 (restricted stygo 3 south)



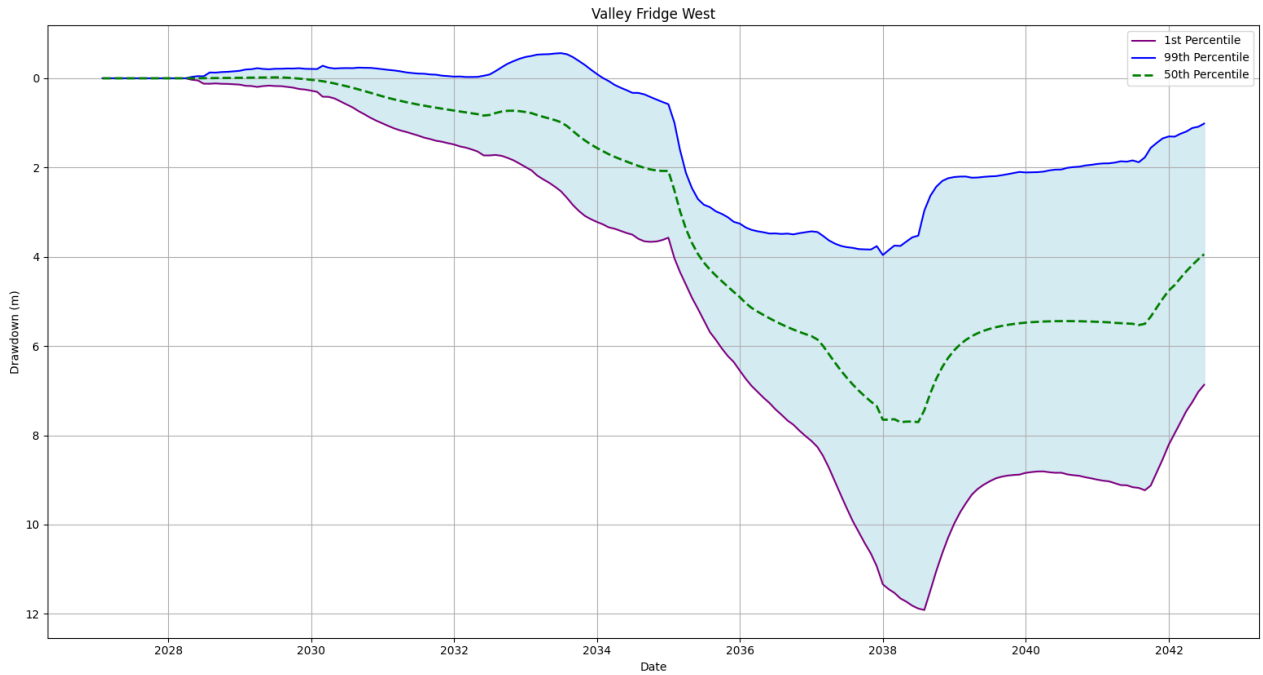


Figure E-11 Predicted aquifer recovery at T11 (valley Fridge West)

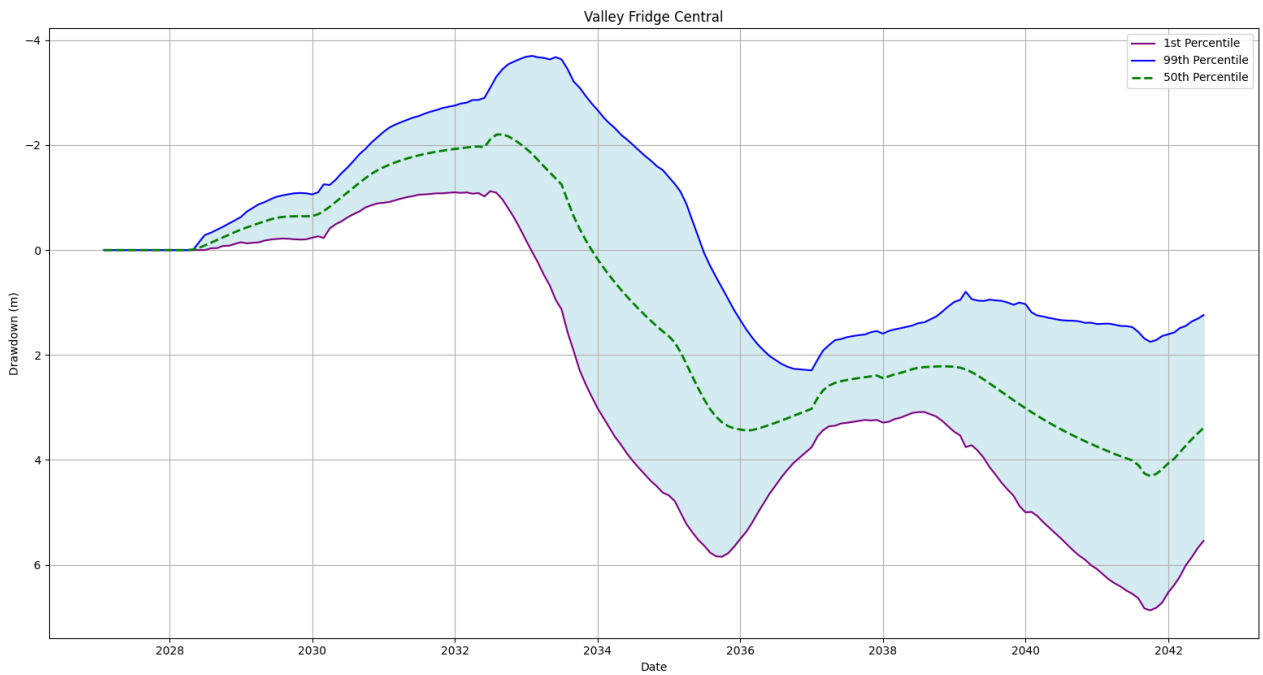


Figure E-12 Predicted aquifer recovery at T12 (valley Fridge Central)



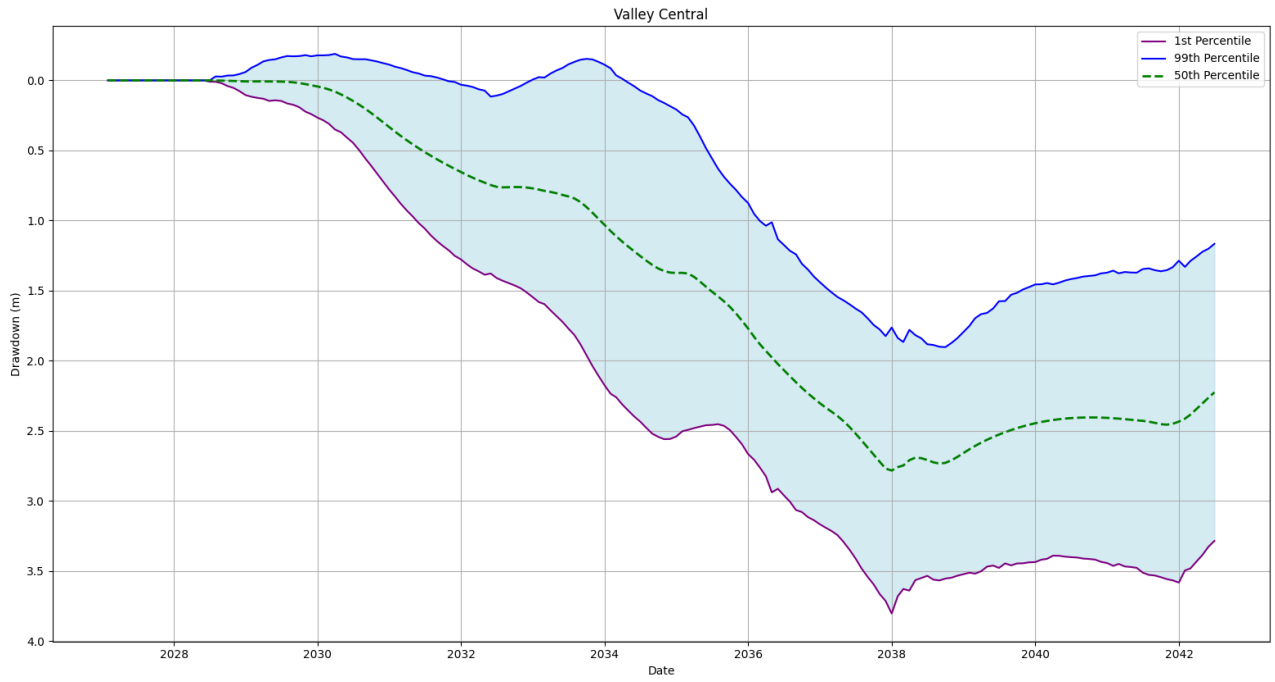


Figure E-13 Predicted aquifer recovery at T13 (valley Central)

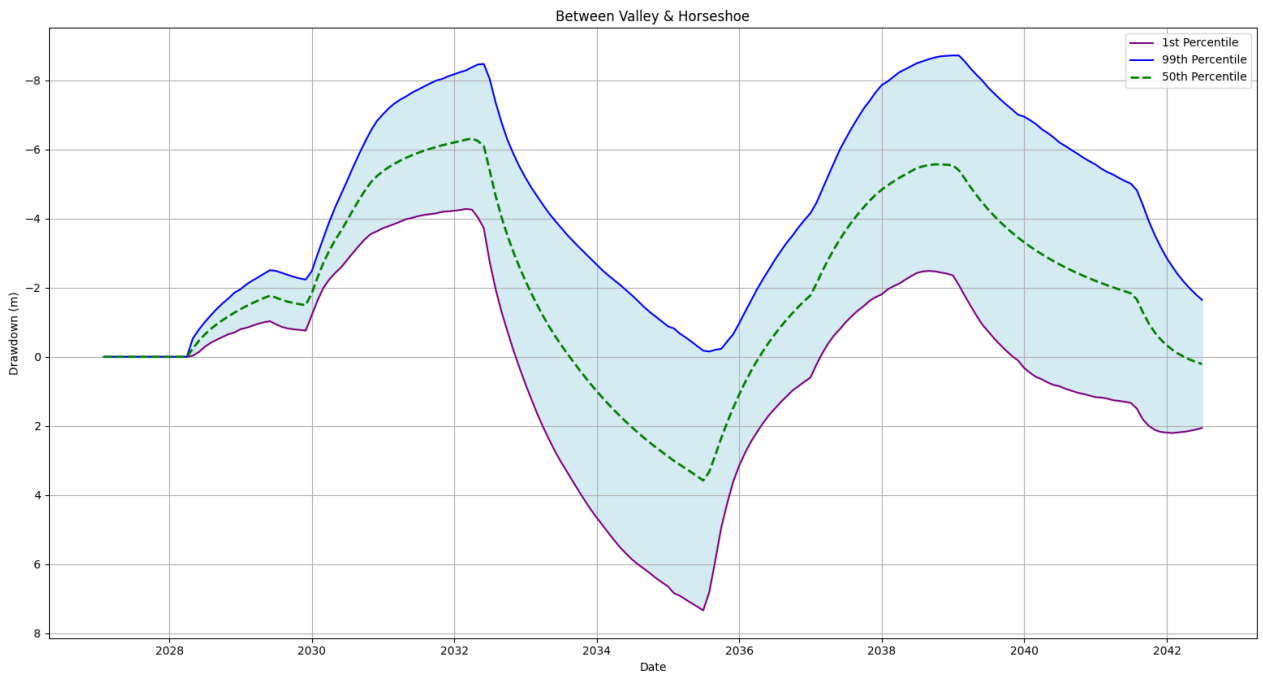


Figure E-14 Predicted aquifer recovery at T14 (area between valley & Horseshoe)



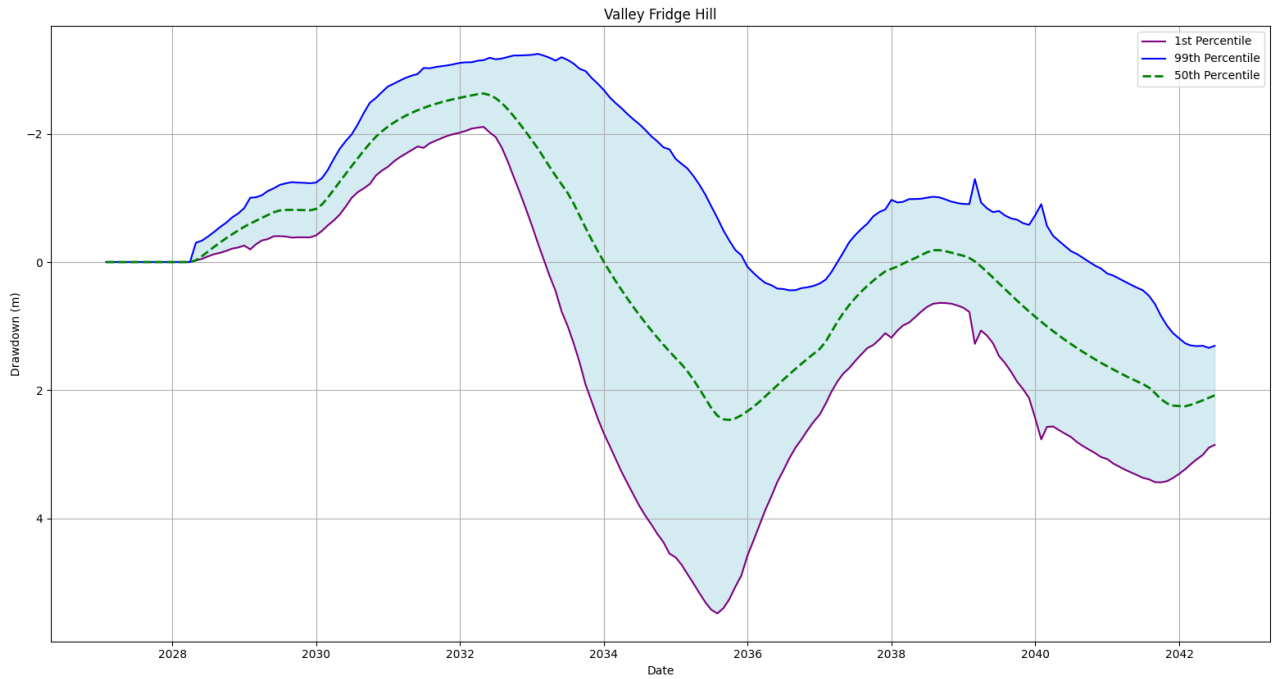


Figure E-15 Predicted aquifer recovery at T15 (valley Fridge Hill)

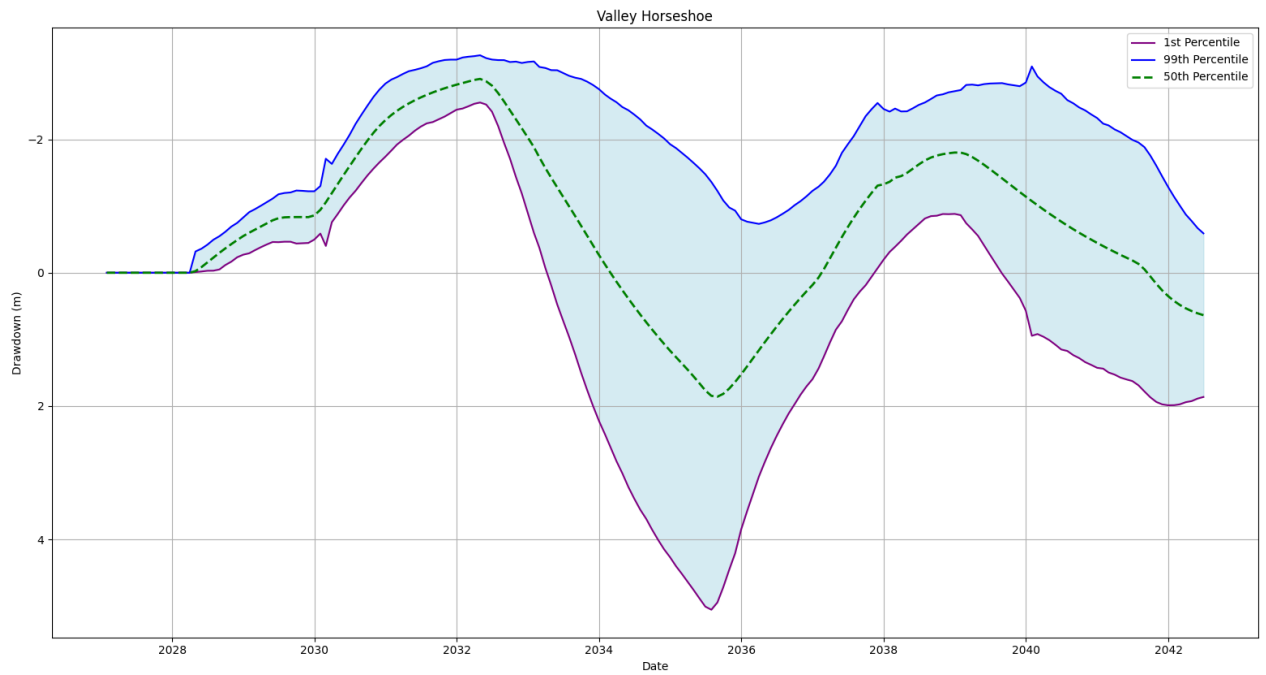


Figure E-16 Predicted aquifer recovery at T16 (valley Horseshoe)



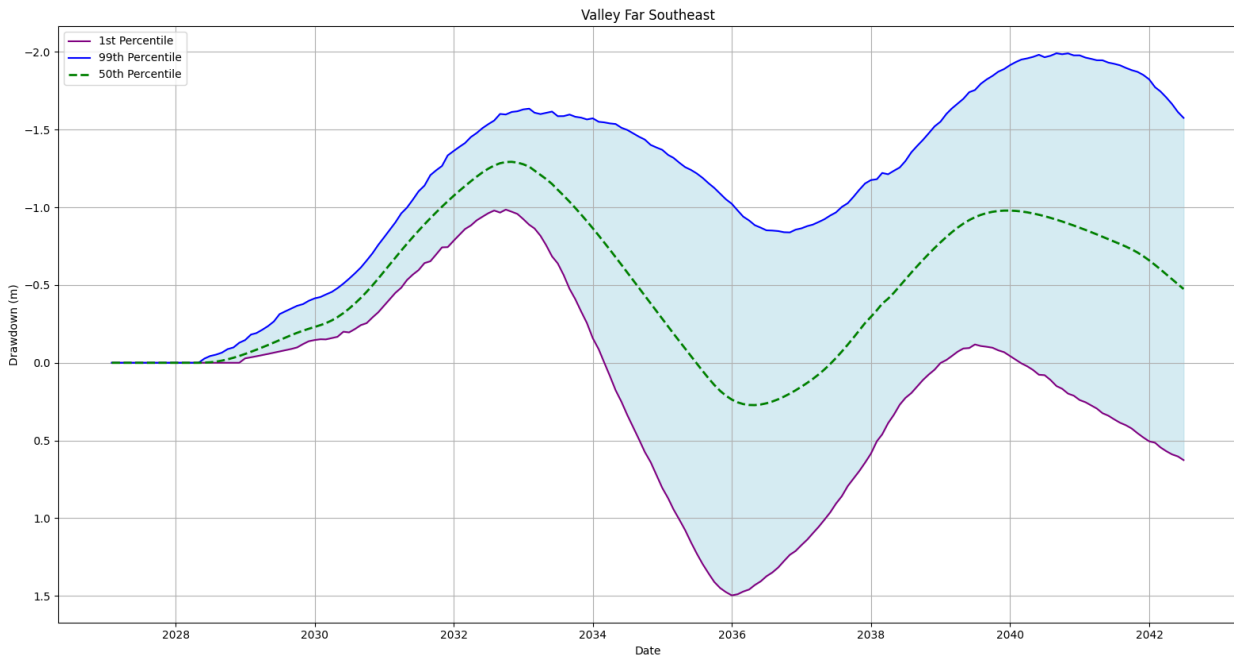


Figure E-17 Predicted aquifer recovery at T17 (valley Far Southeast)

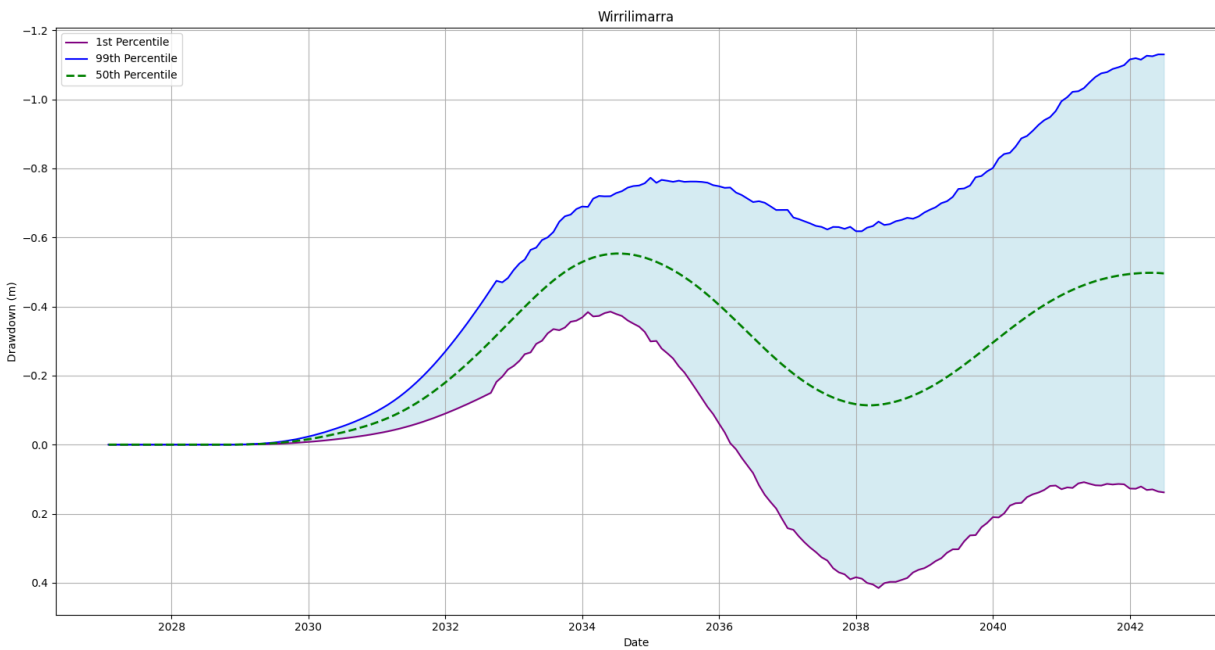


Figure E-18 Predicted aquifer recovery at T18 (Wirrilimarra area)

