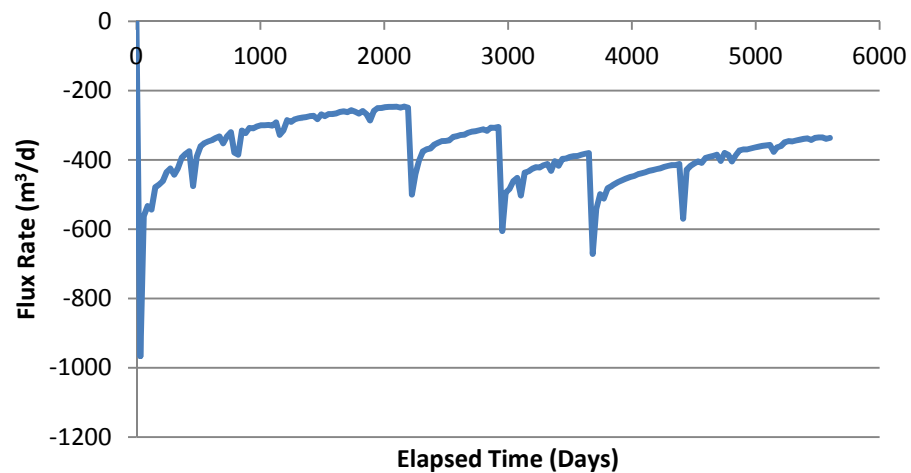
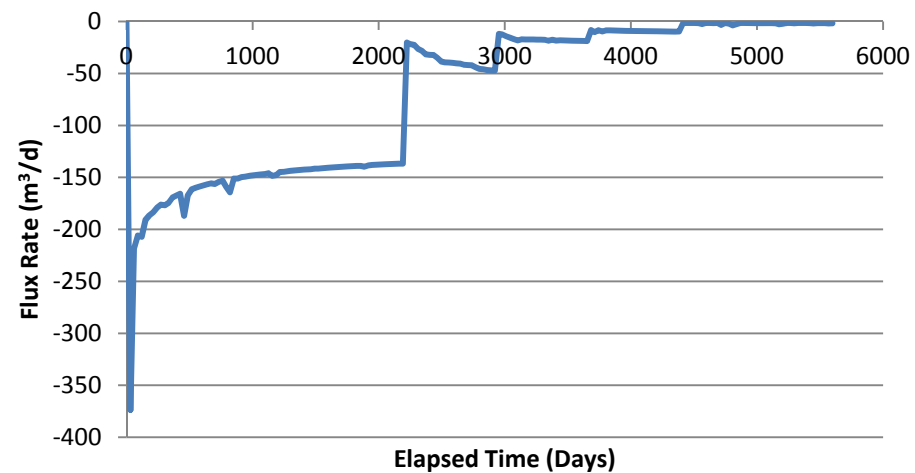


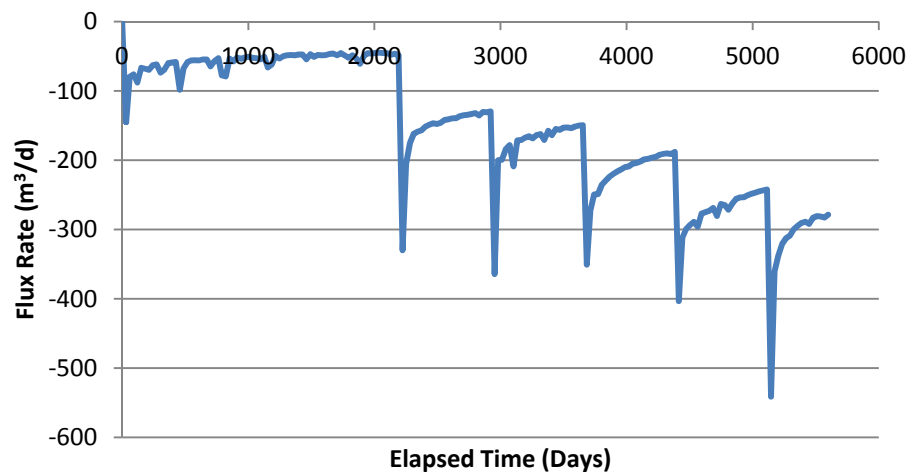
Flux vs. Time at Pit 1 (Drain Reach 51)

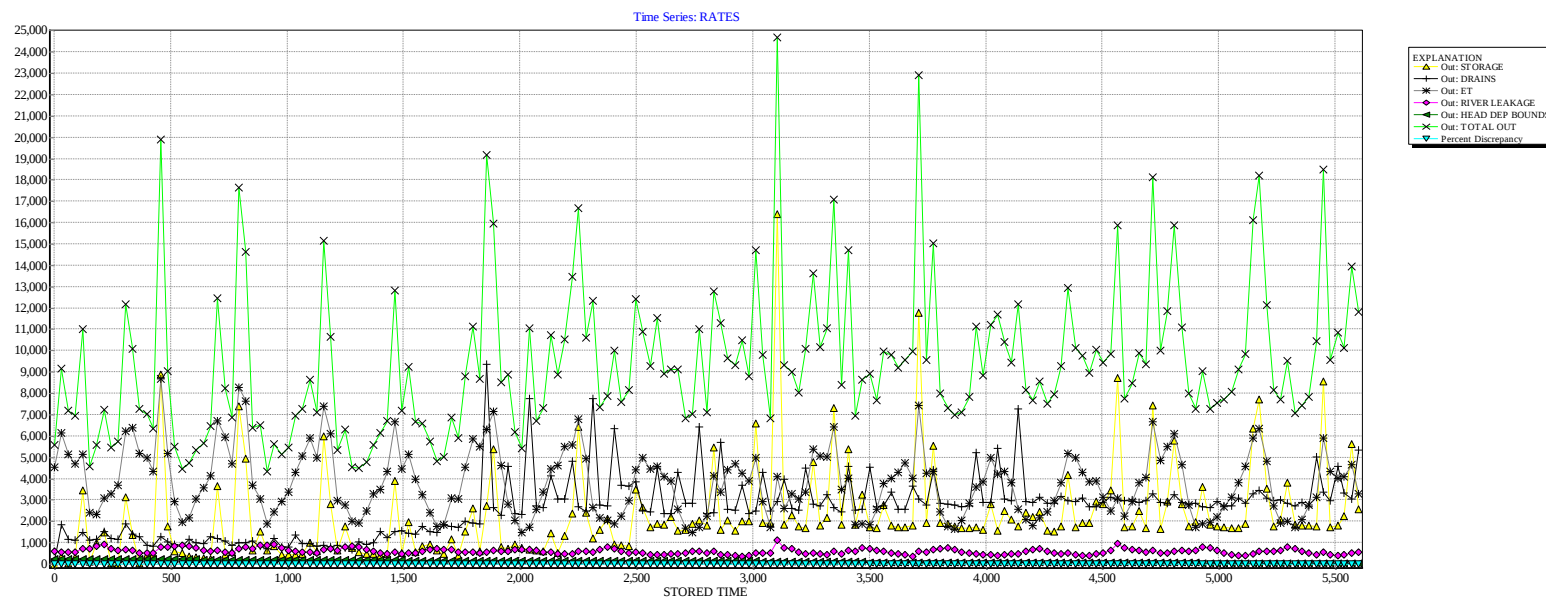
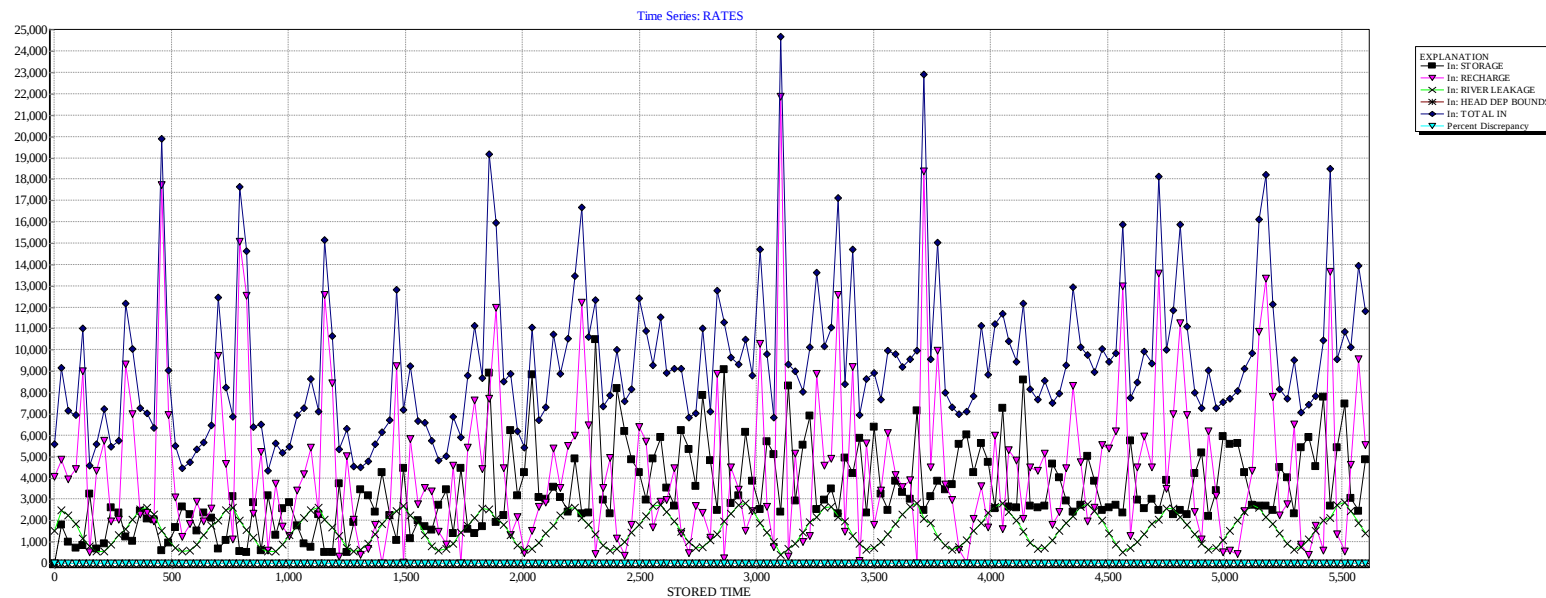


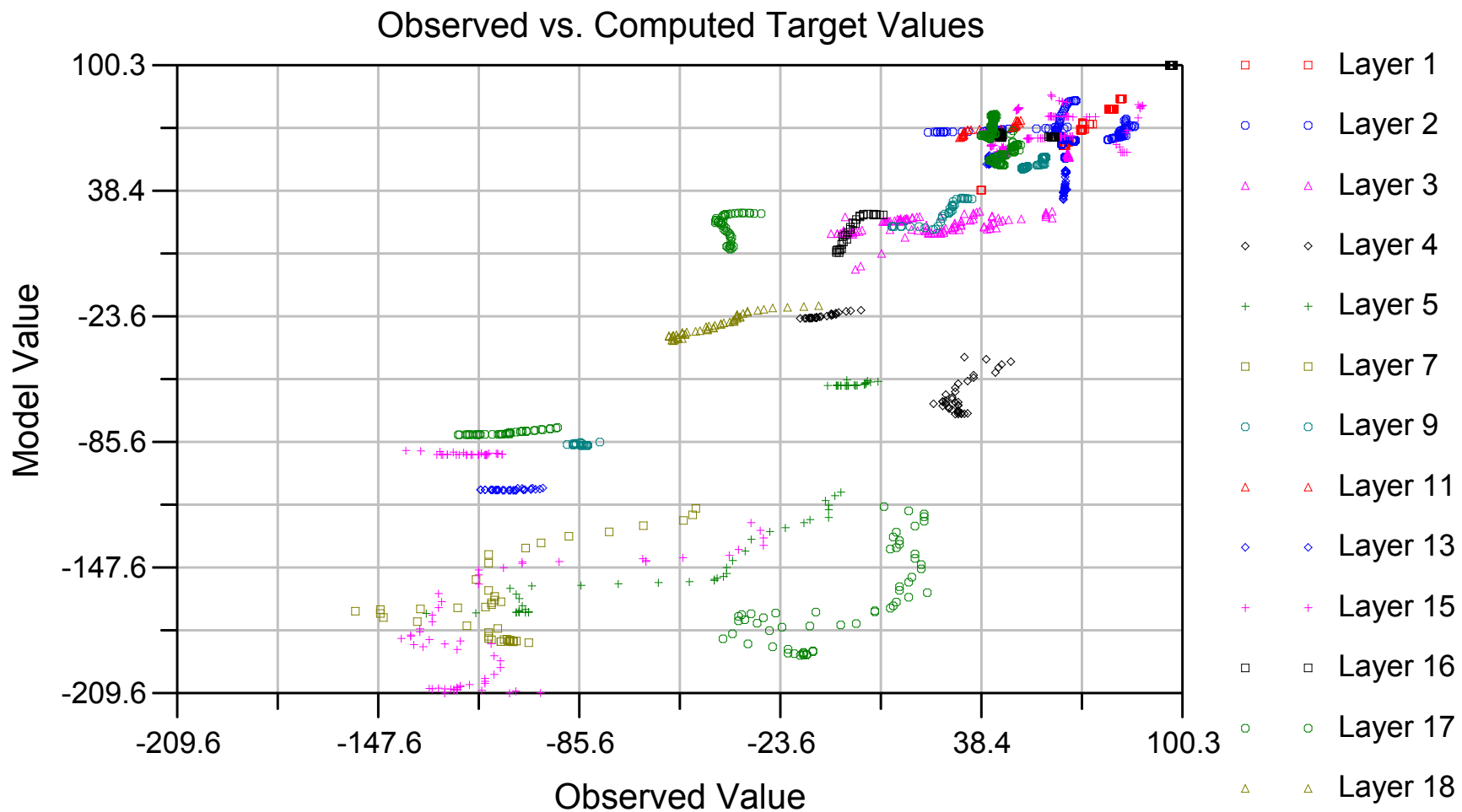
Flux vs. Time at Pit 2 (Drain Reach 52)



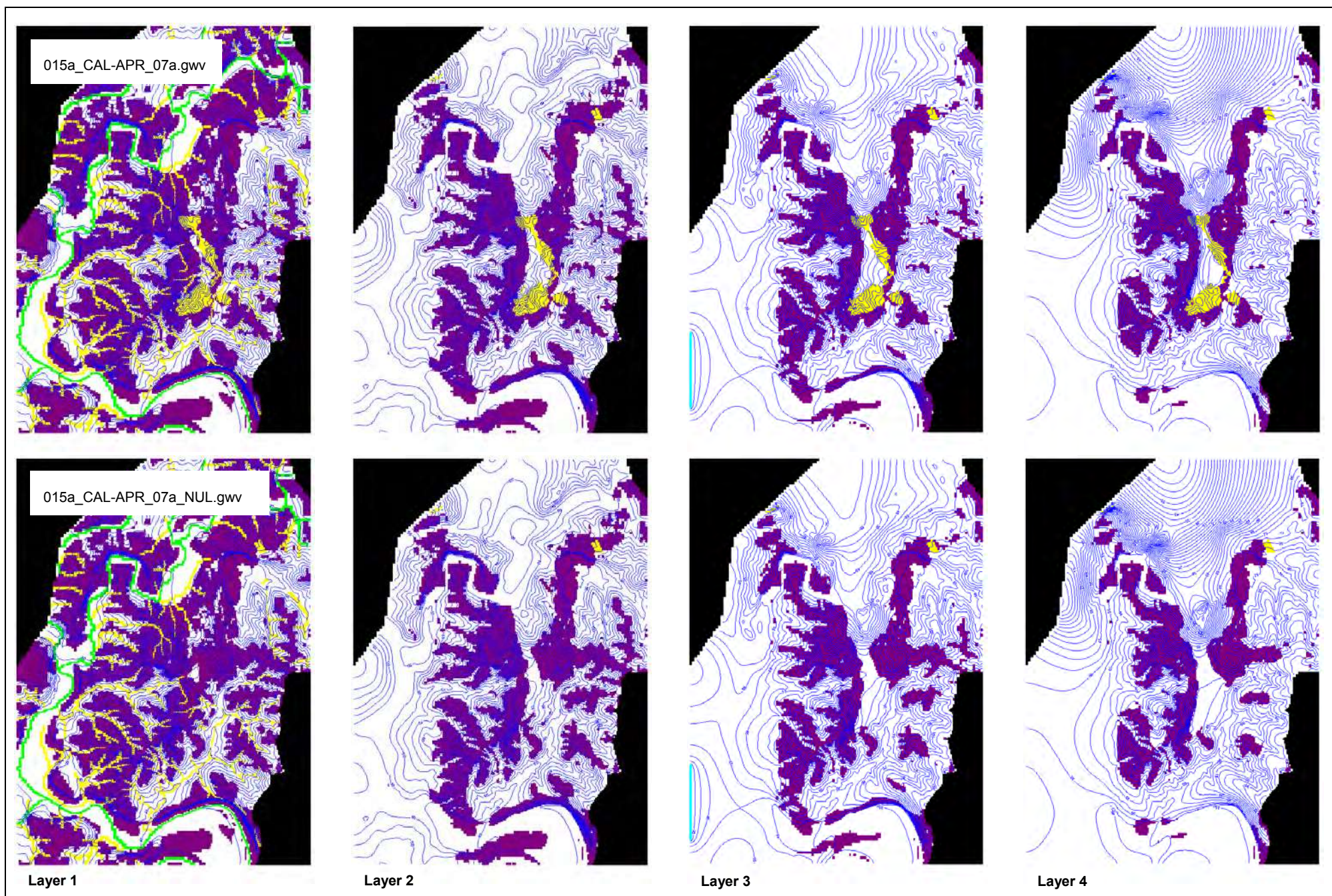
Flux vs. Time at Pit 3 (Drain Reach 53)

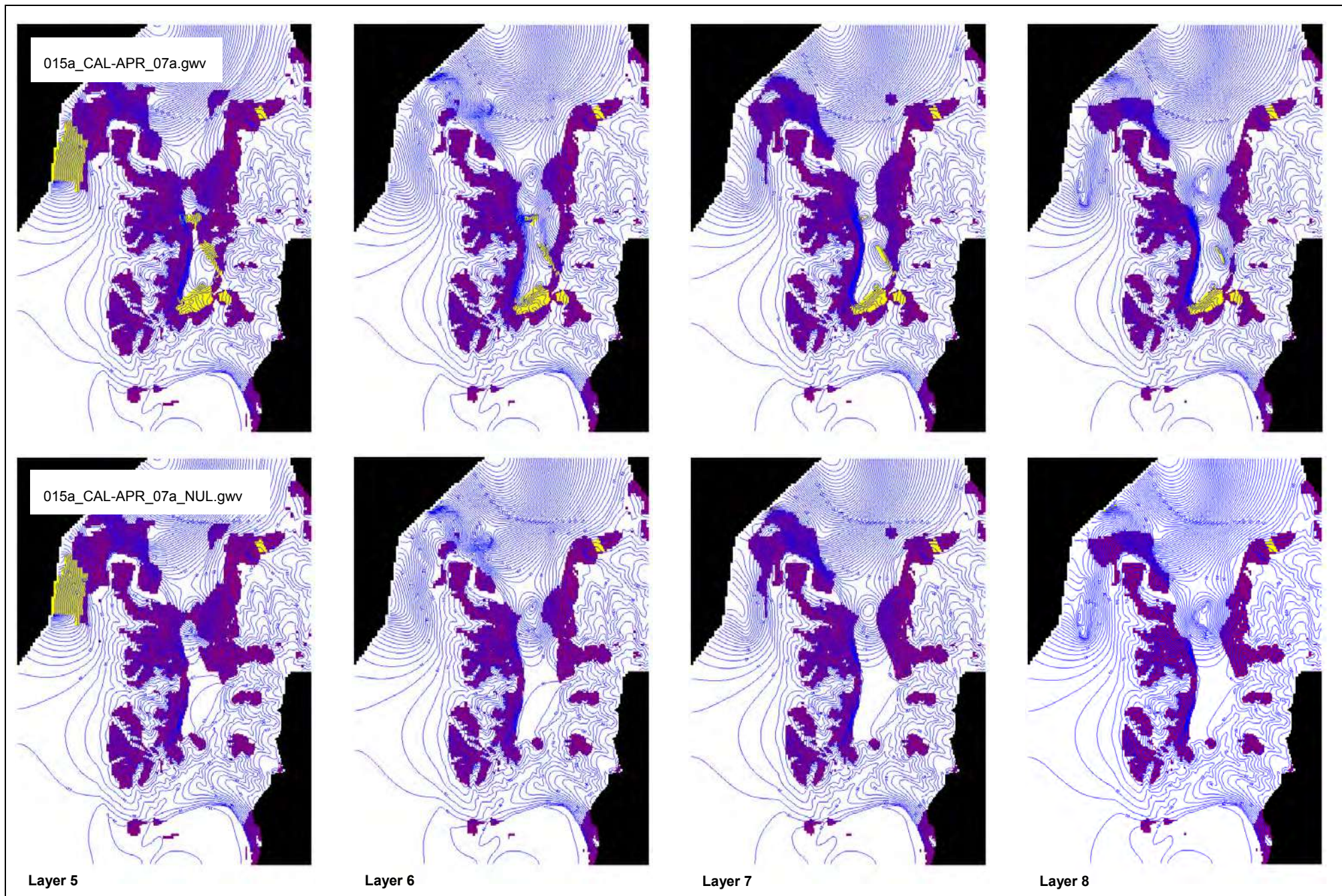


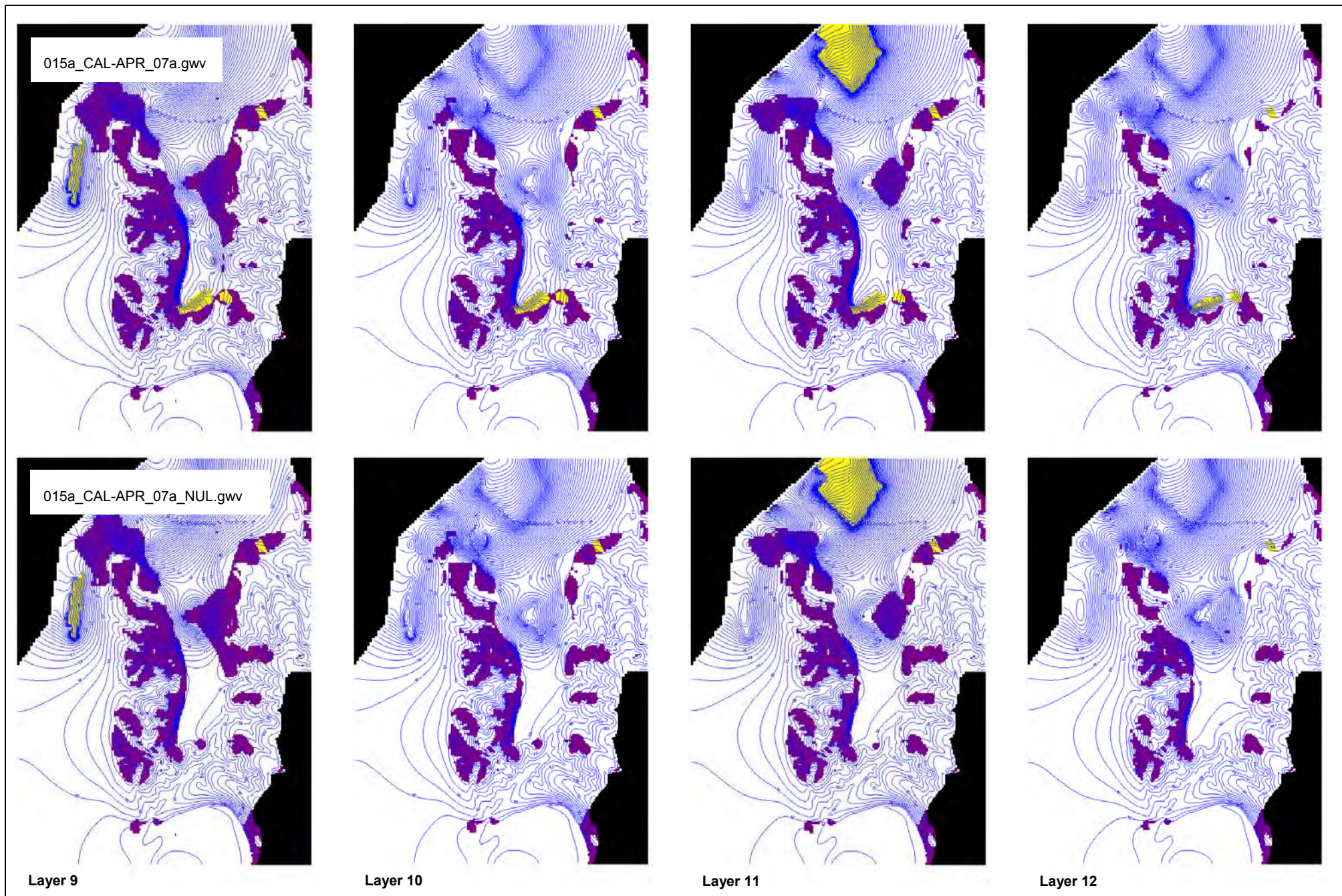


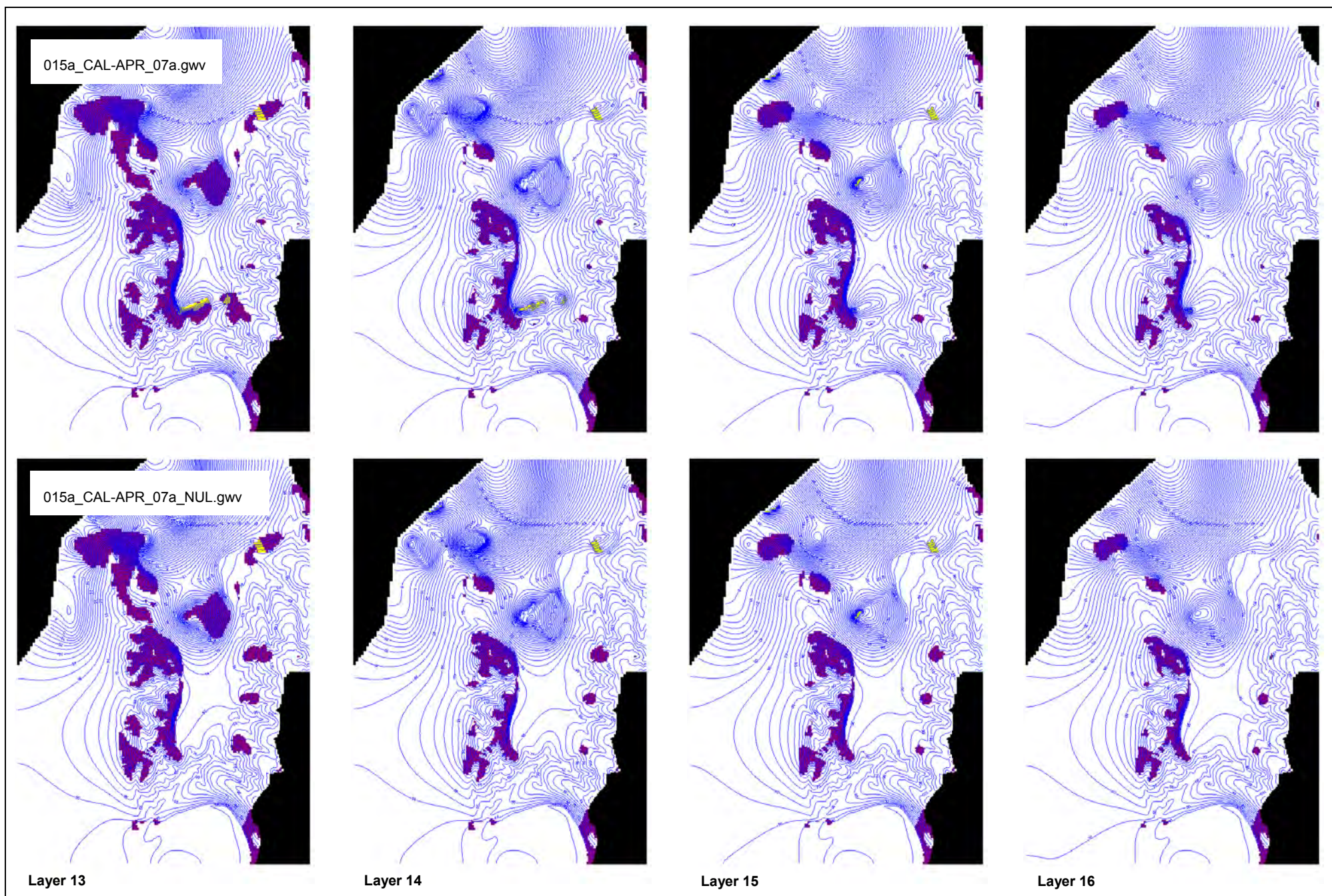


CALIBRATION MODEL – MODELLLED GROUNDWATER LEVELS VERSUS OBSERVED FIGURE 8.13



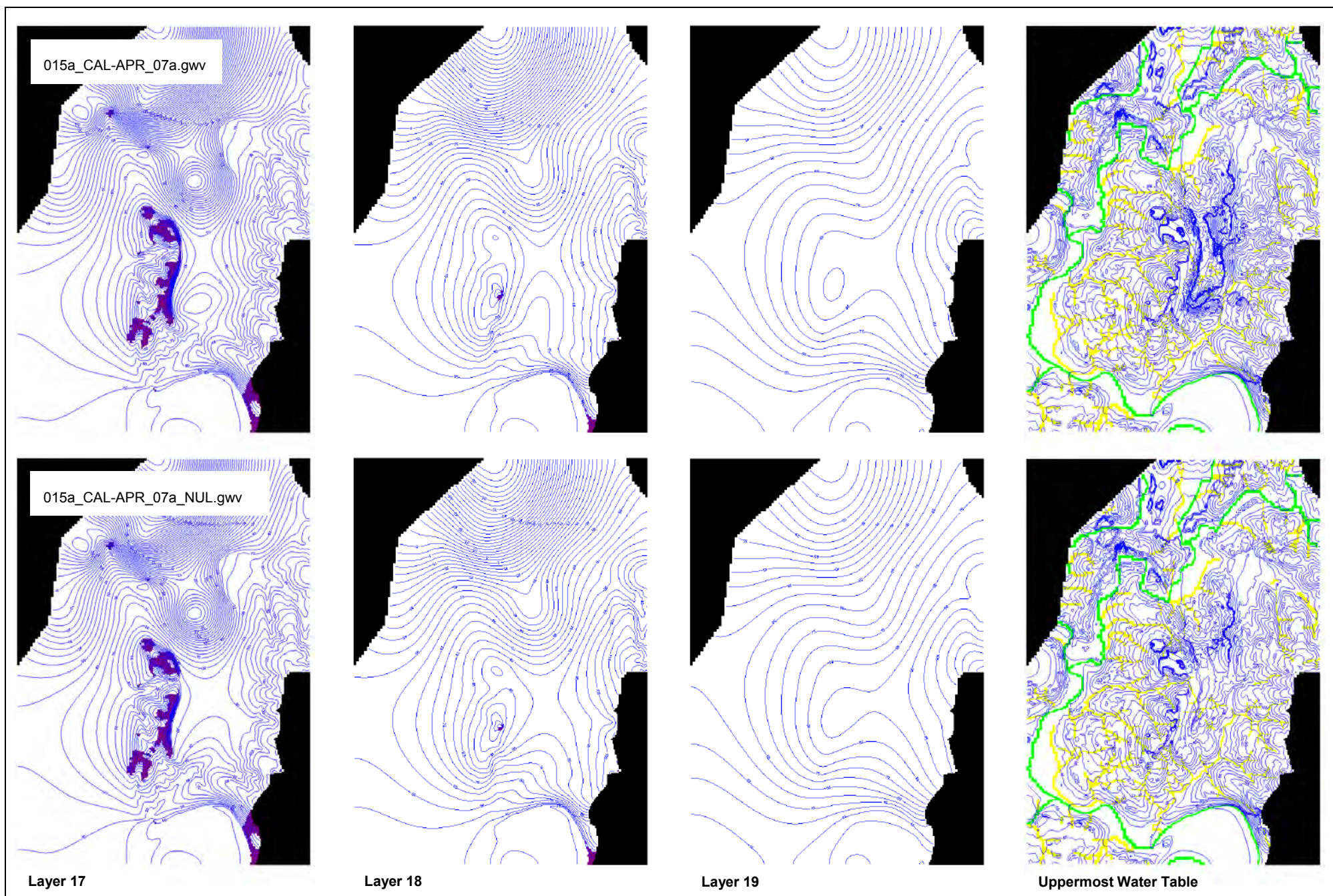


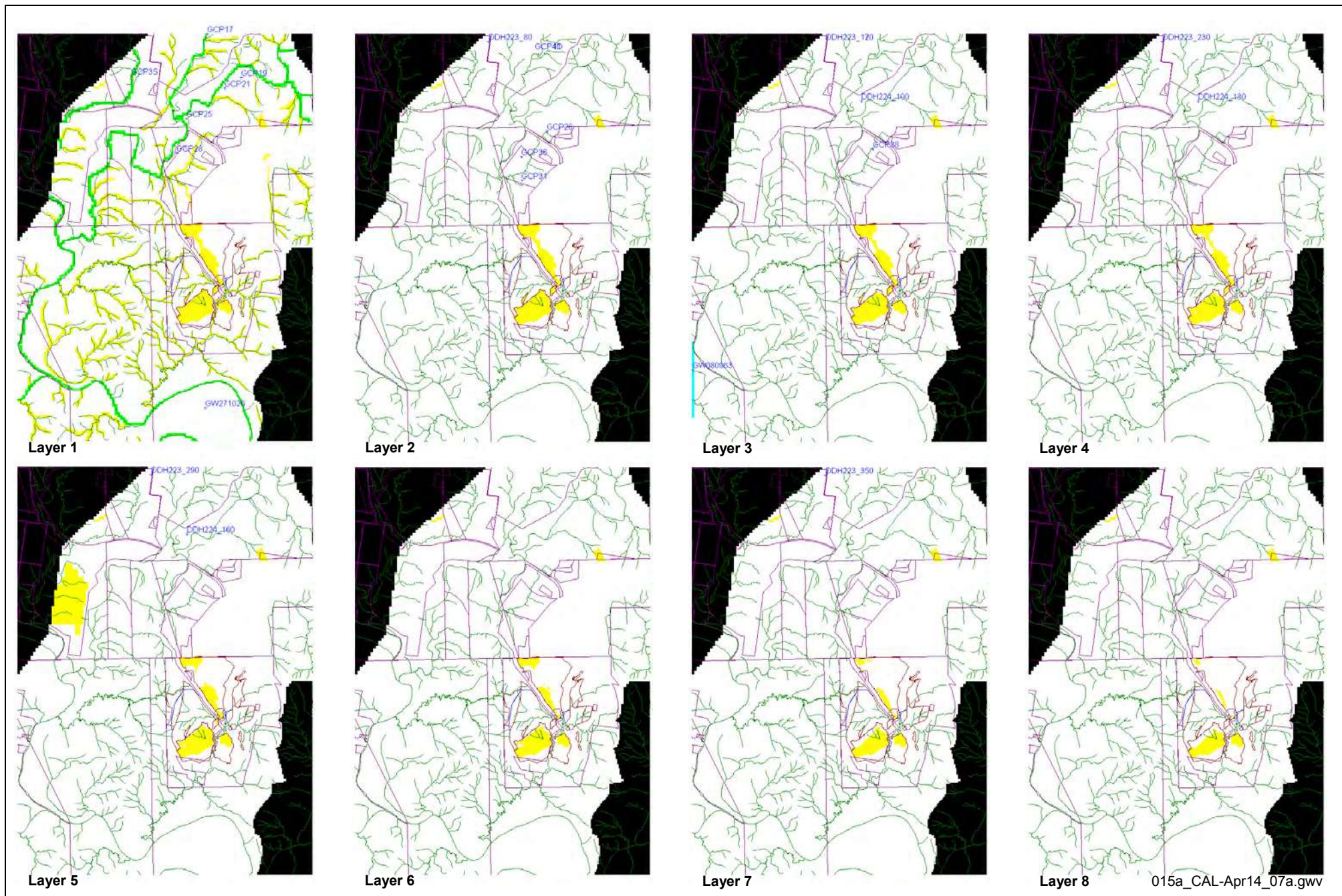


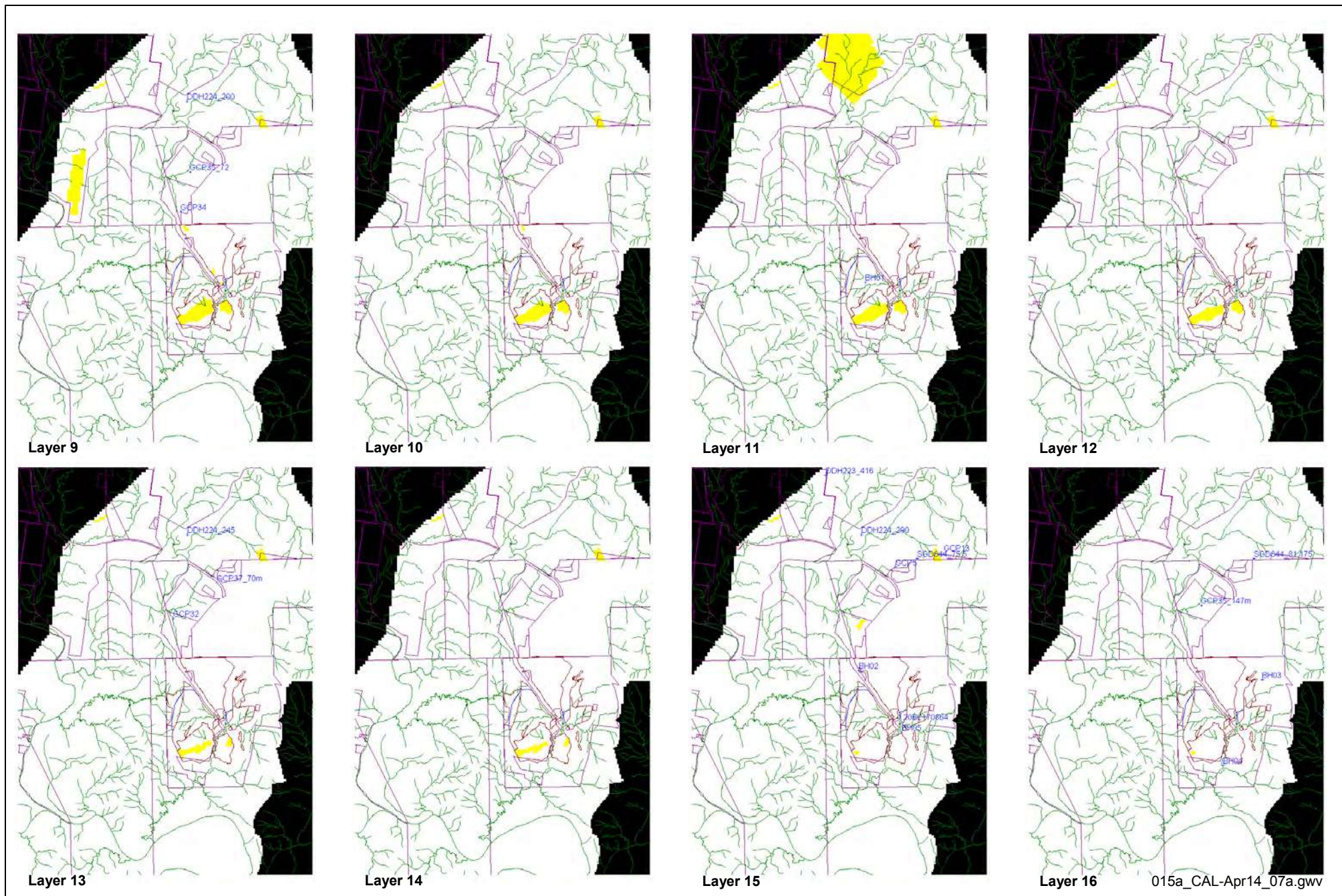


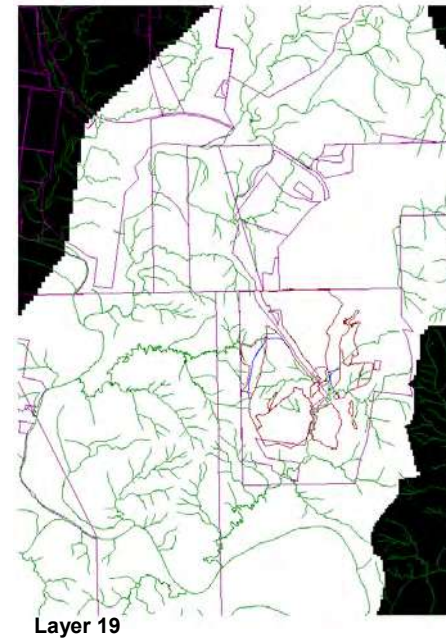
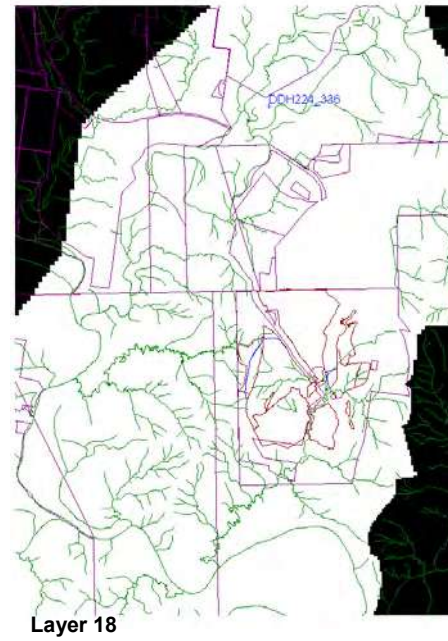
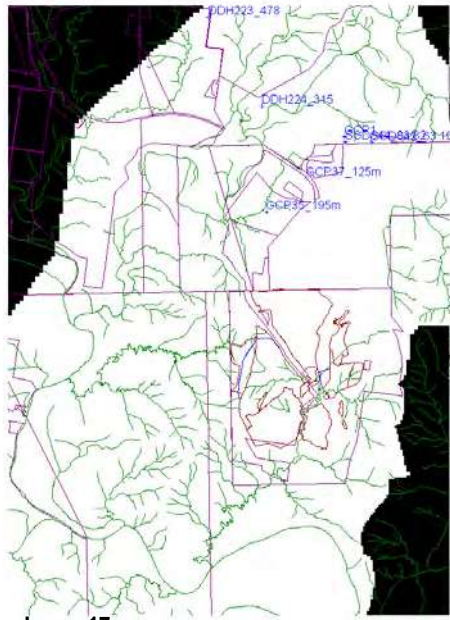
CALIBRATION MODEL – MODELLED GROUNDWATER CONTOURS – APR 2014 FIGURE 8.14.4

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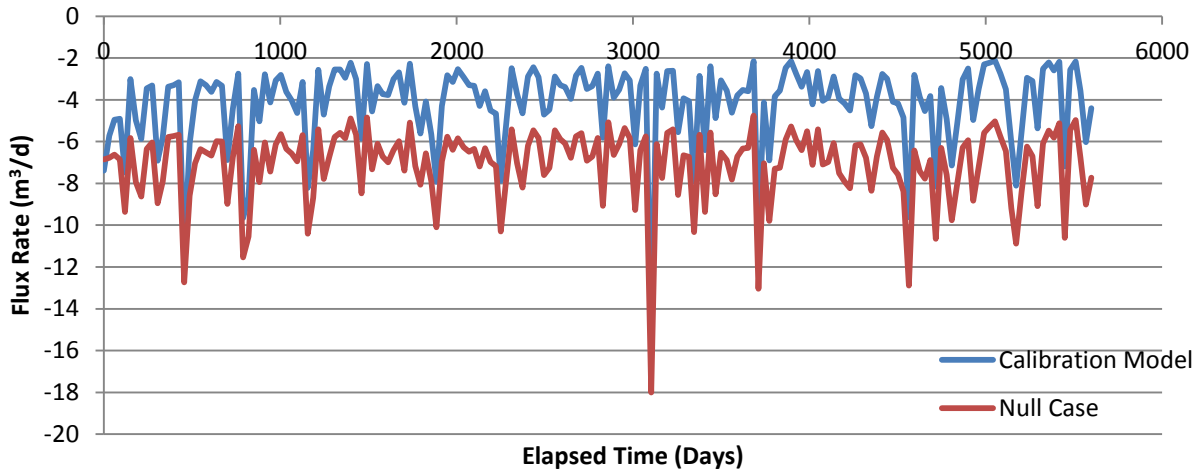




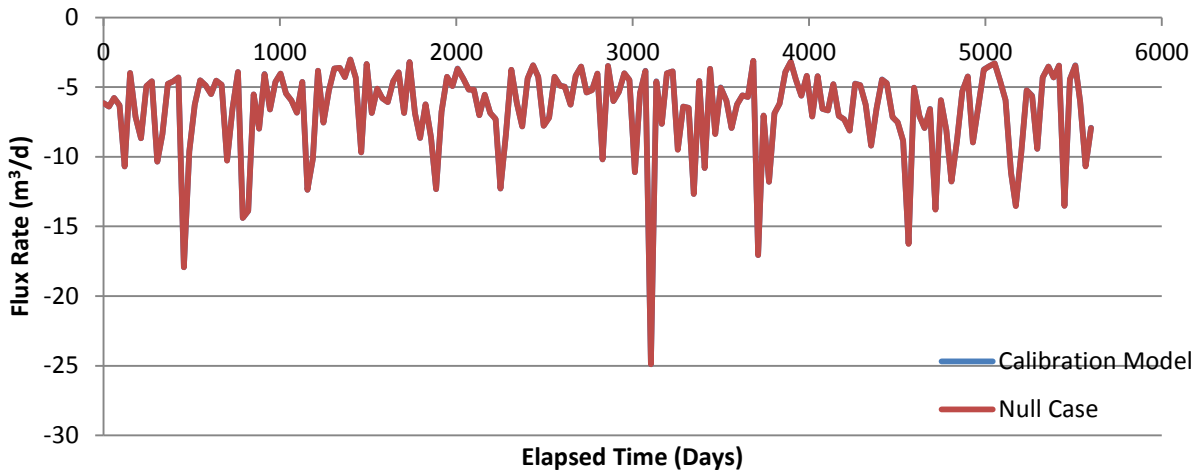


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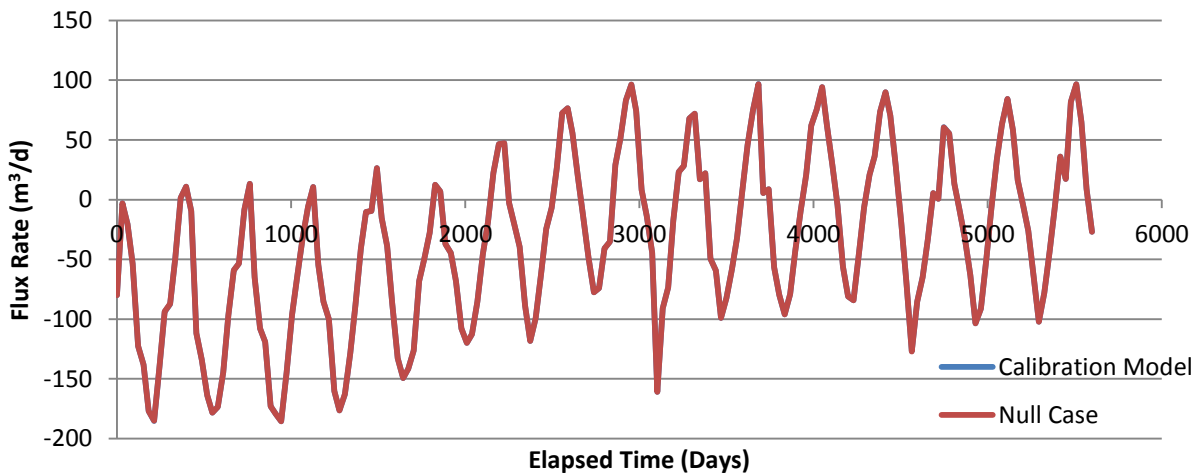
Flux vs. Time at Drain Reach 116

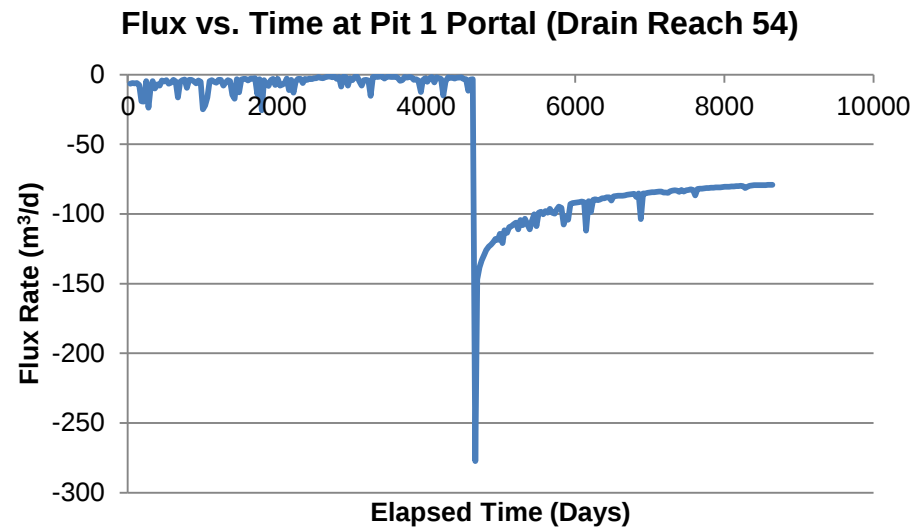
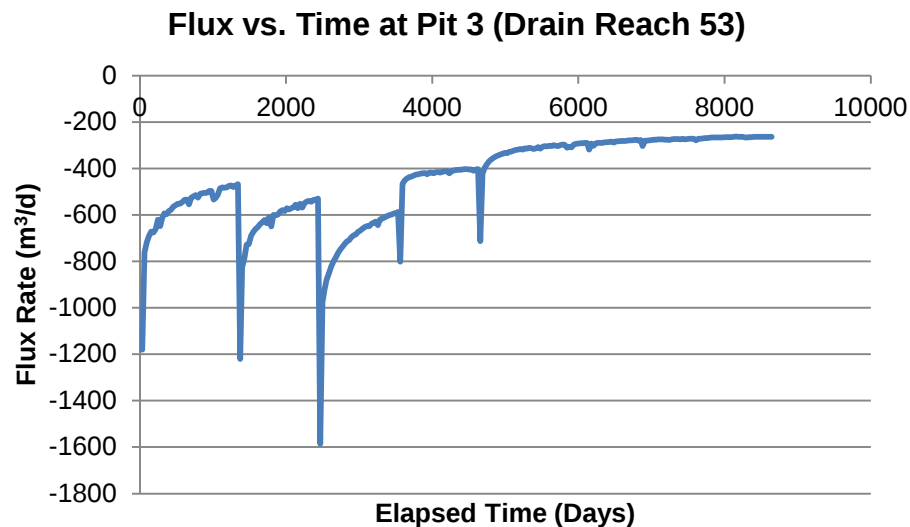
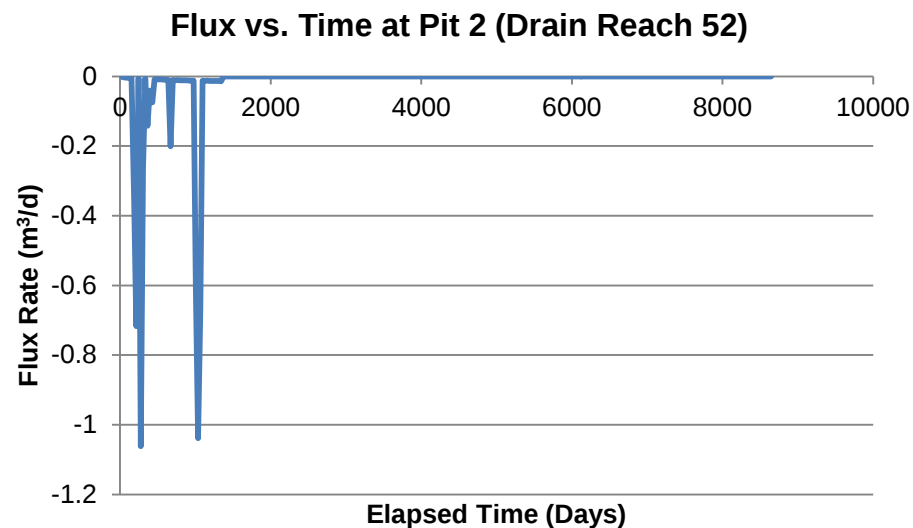
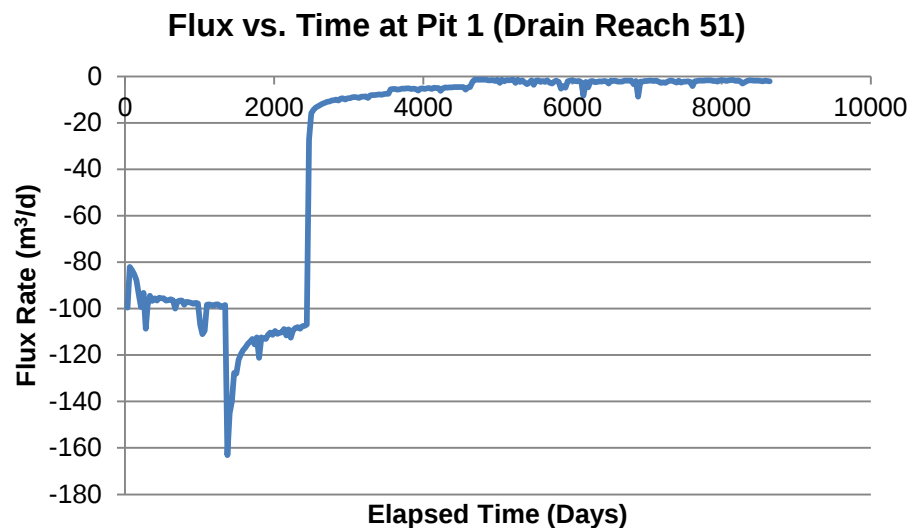


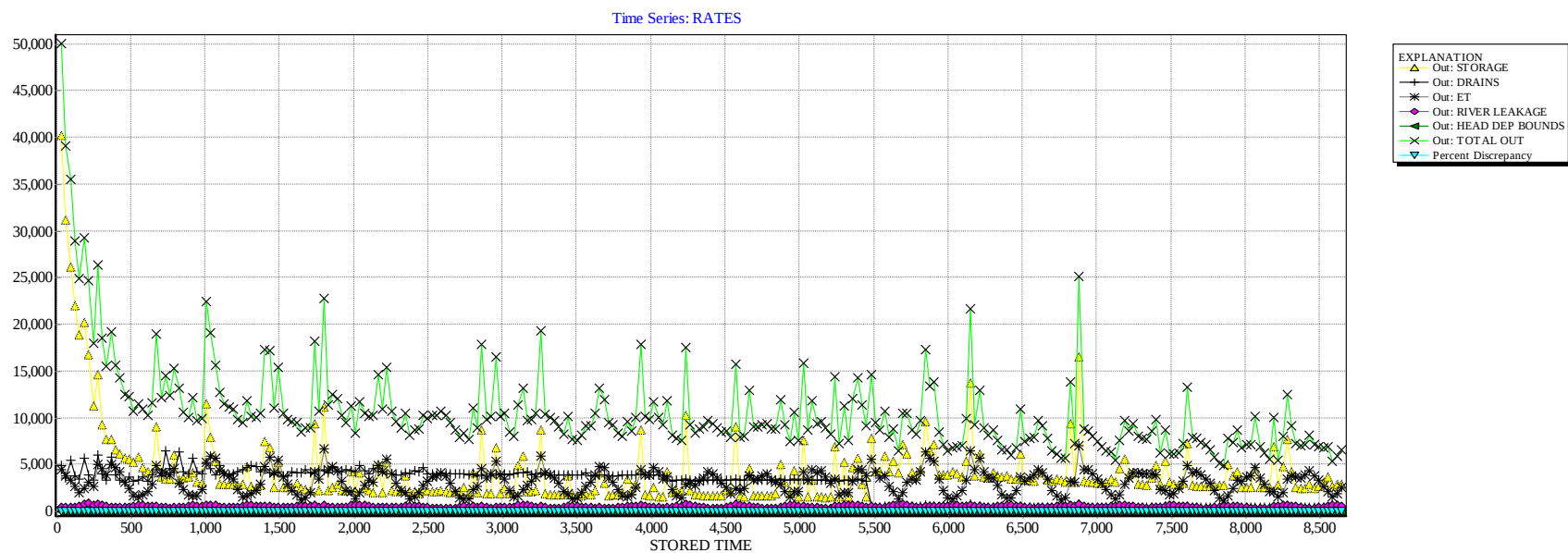
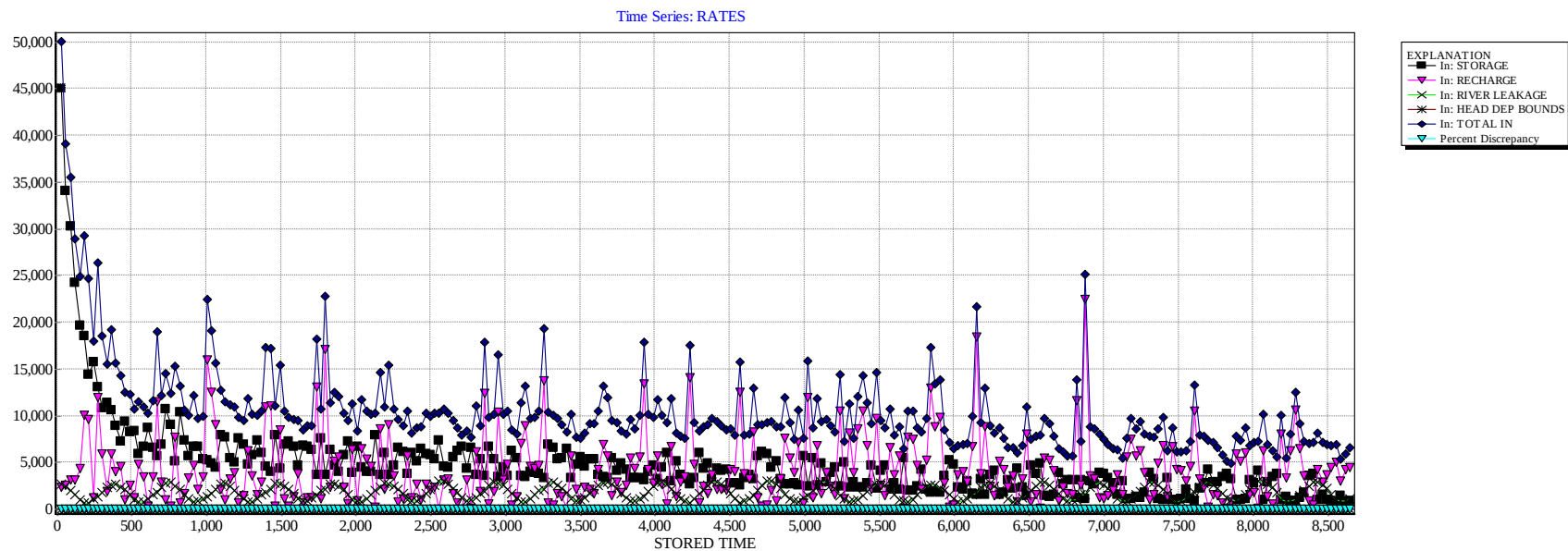
Flux vs. Time at Drain Reach 104



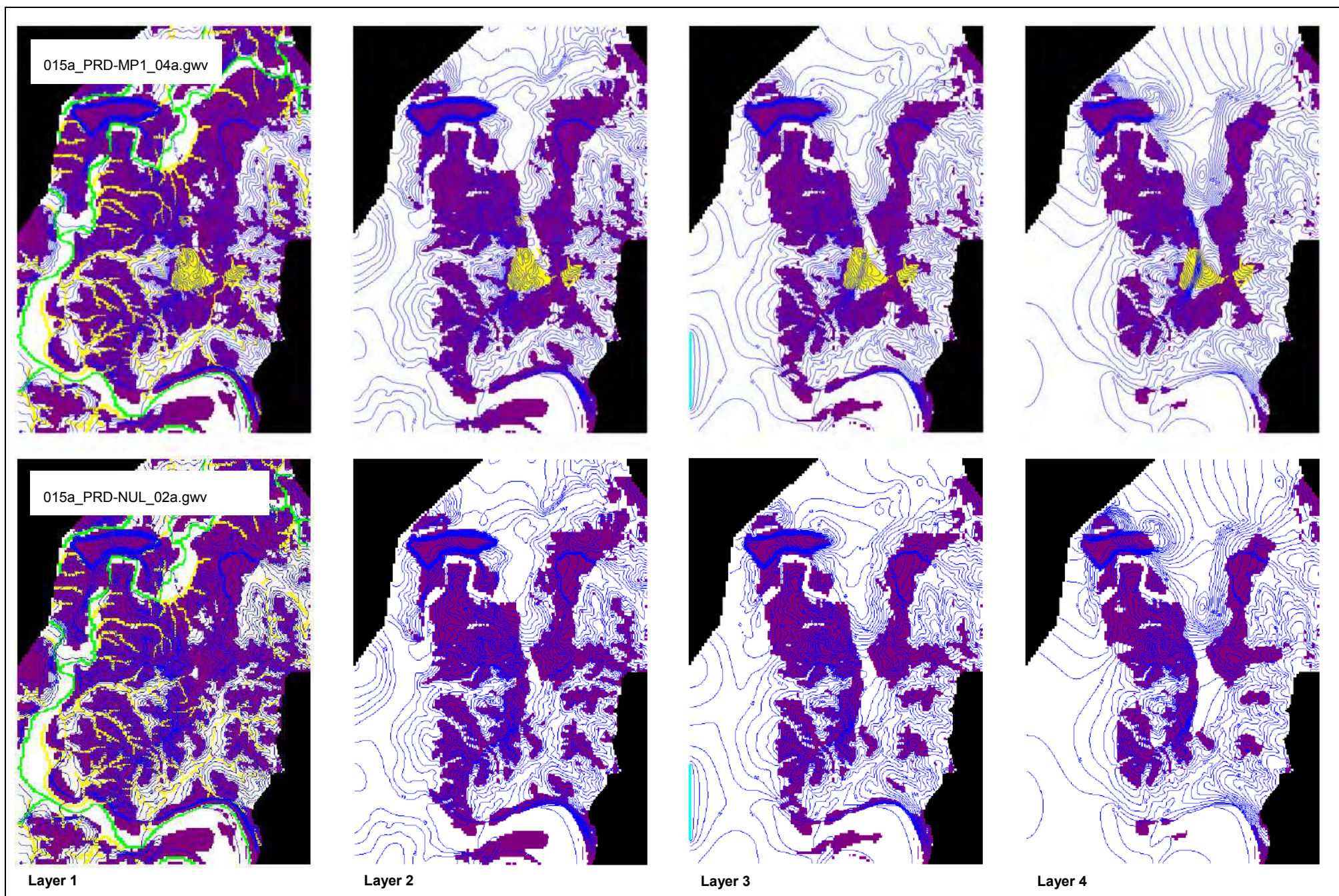
Flux vs. Time at River Reach 4

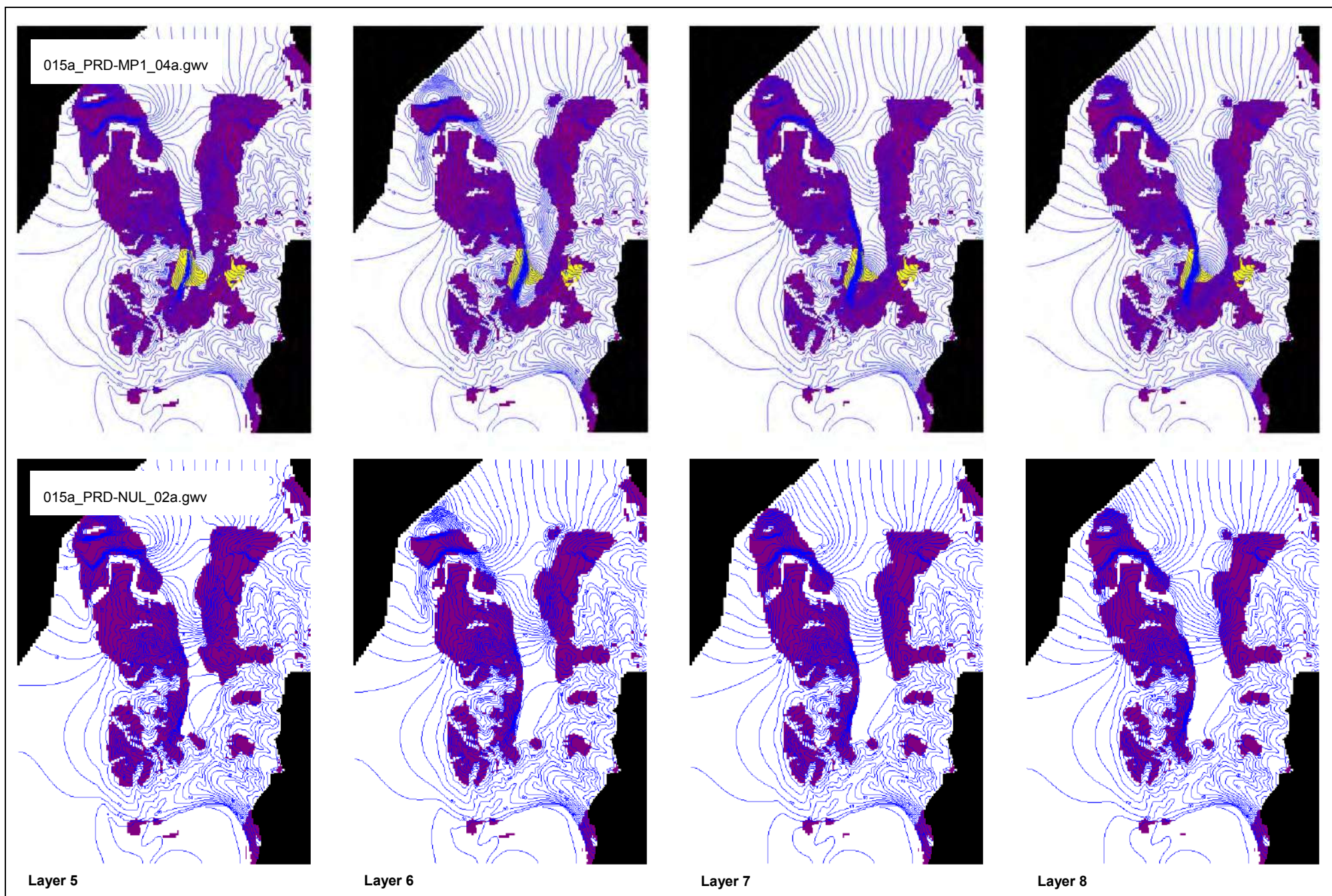






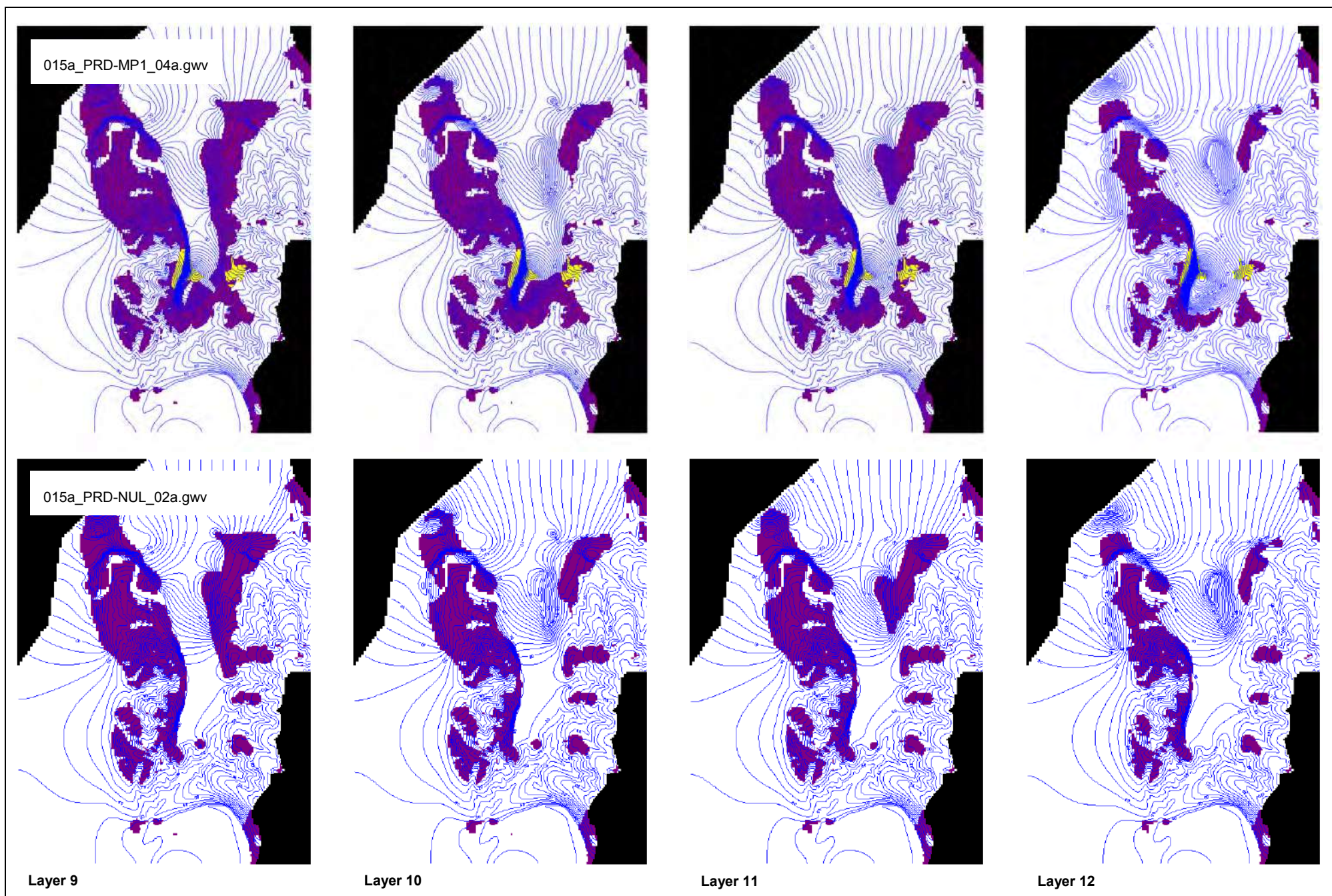
PREDICTION MODEL – MODEL MASS BALANCE FIGURE 8.17

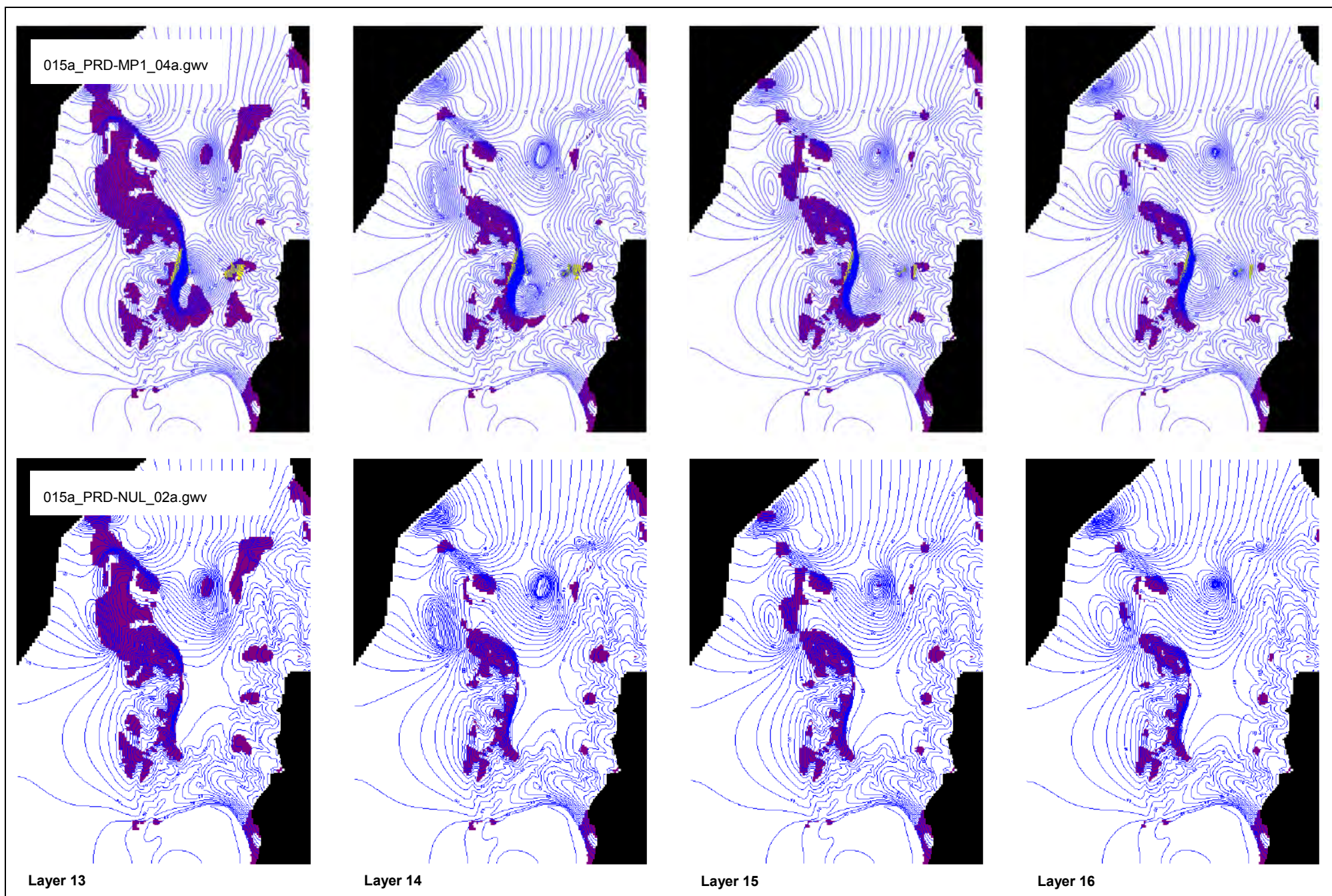


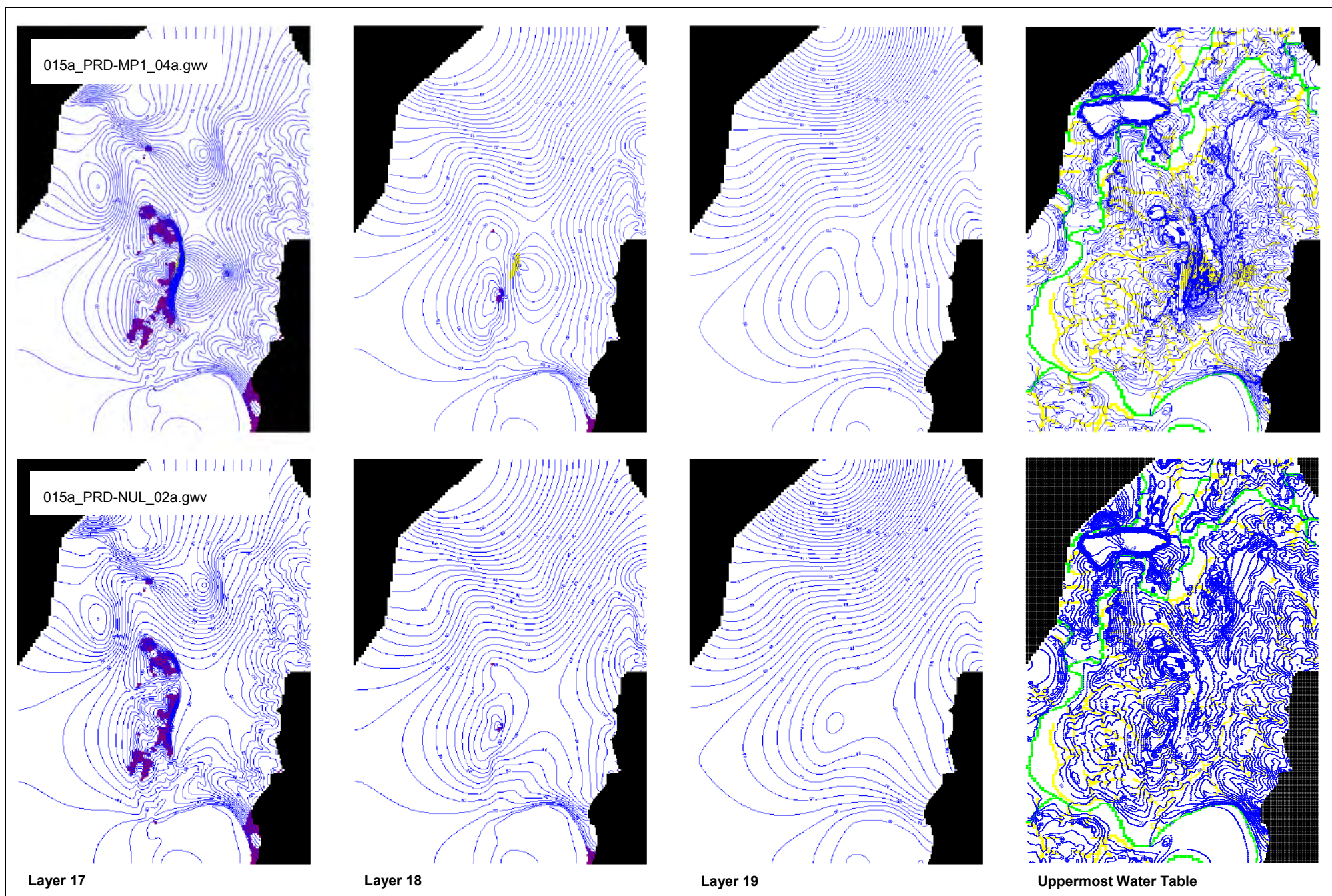


PREDICTION MODEL – MODELLED GROUNDWATER CONTOURS – DEC 2037 FIGURE 8.18.2

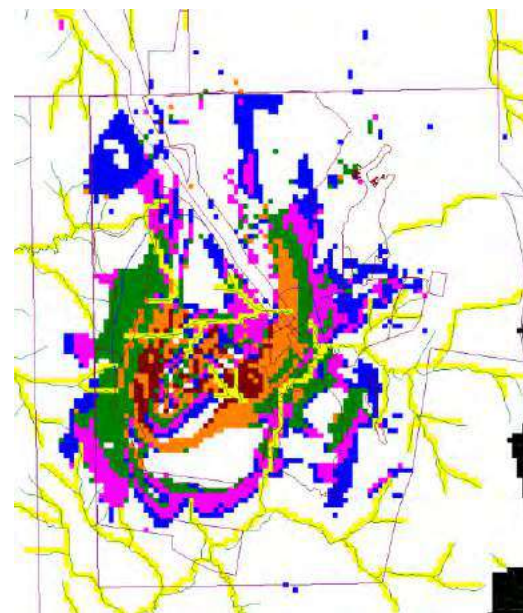
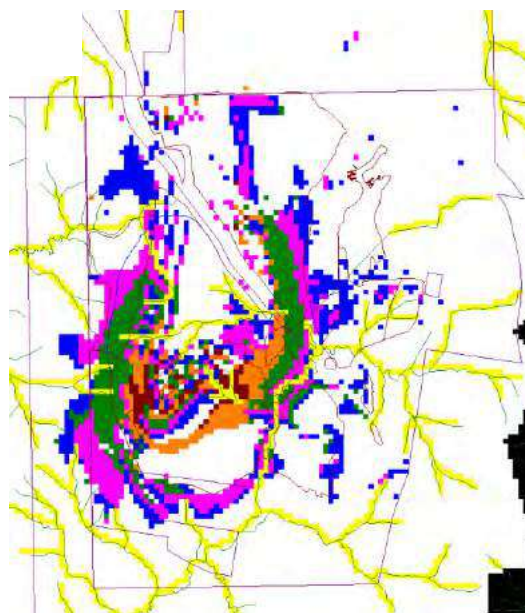
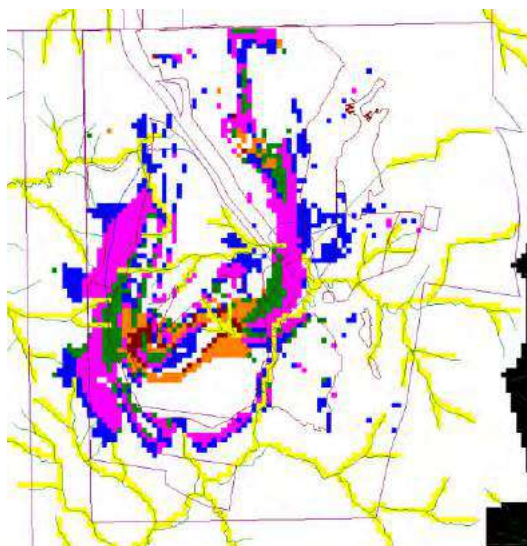
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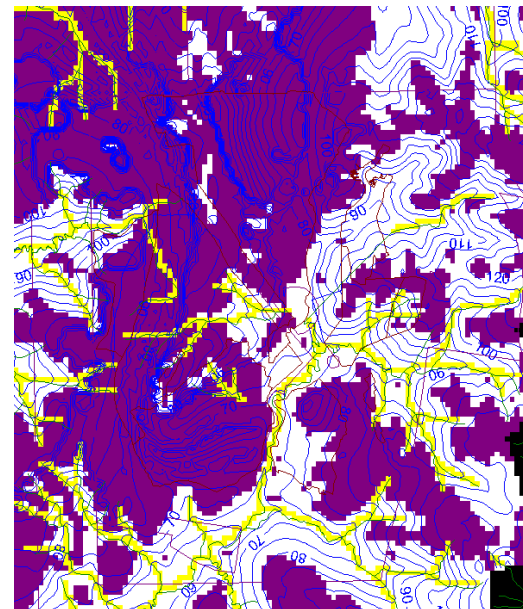
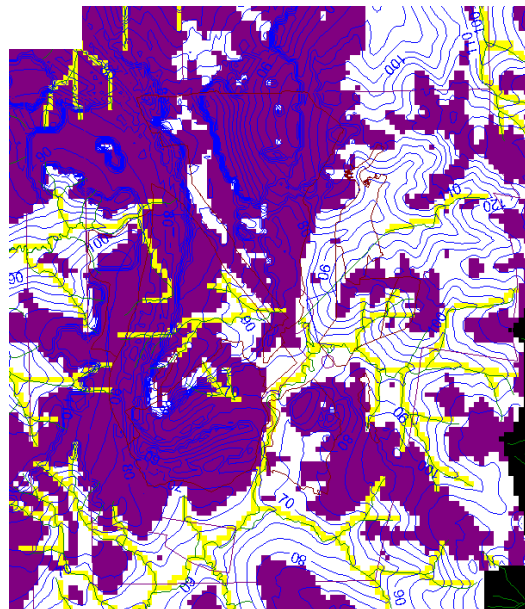
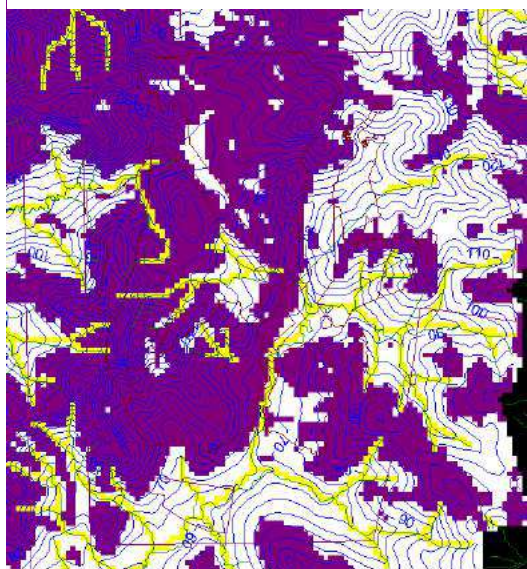
Decline in Uppermost Water Table – Continuation Only



Decline (m):

- >50m
- 20 to 50m
- 10 to 20m
- 5 to 10m
- 2 to 5m
- <2m

Uppermost Water Table – Continuation Only Null Case



Notes. 1) Dry cells in the lower images, displayed in purple, are with respect to heads from Layer 1; 2) Contours are highest water table, however, not necessarily residing in Layer 1.

Dec 2017 (SP44)

Dec 2020 (SP80)

Dec 2023 (SP116)

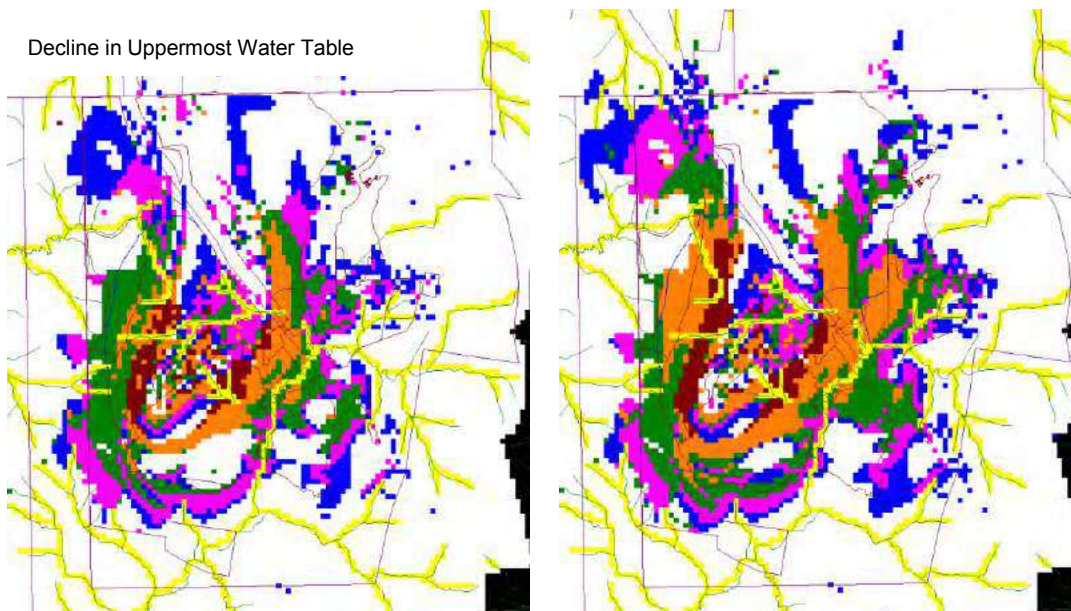
015a_PRD-MP1_04a_NUL.gwv

RPS

PREDICTION MODEL – MODELLED DECLINE IN UPPERMOST WATER TABLE – CONTINUATION ONLY FIGURE 8.19.1

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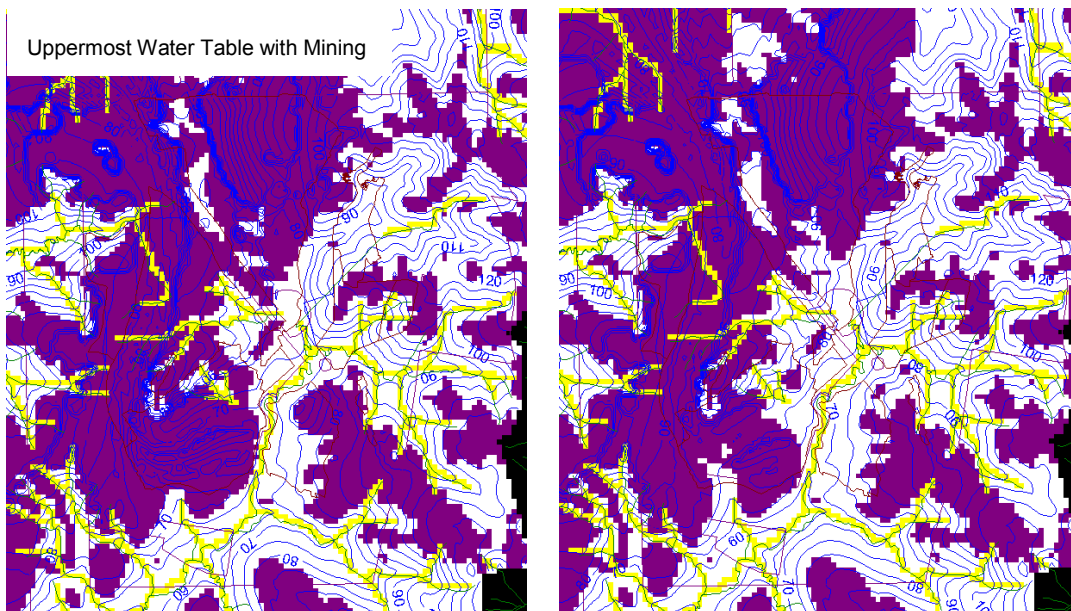
Decline in Uppermost Water Table



Decline (m):



Uppermost Water Table with Mining



Notes. 1) Dry cells in the lower images, displayed in purple, are with respect to heads from Layer 1; 2) Contours are highest water table, however, not necessarily residing in Layer 1.

Dec 2026 (SP152)

Dec 2037 (SP284)

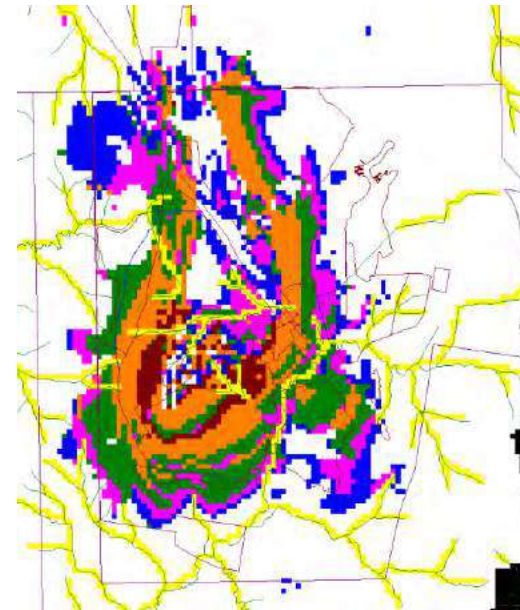
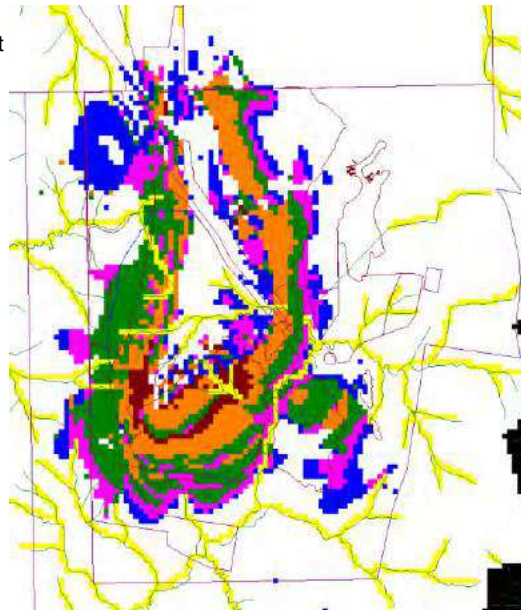
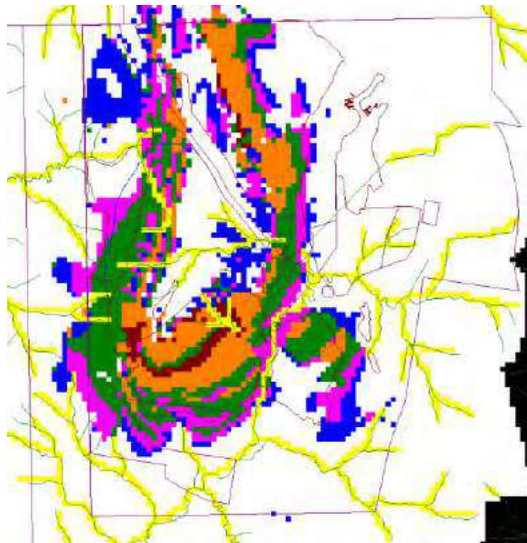
015a_PRD-MP1_04a_NUL.gwv

RPS

PREDICTION MODEL – MODELLED DECLINE IN UPPERMOST WATER TABLE – EXTENSION ONLY FIGURE 8.19.2

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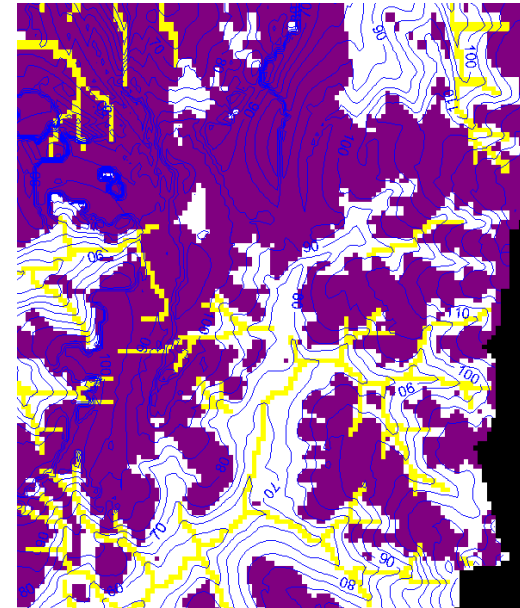
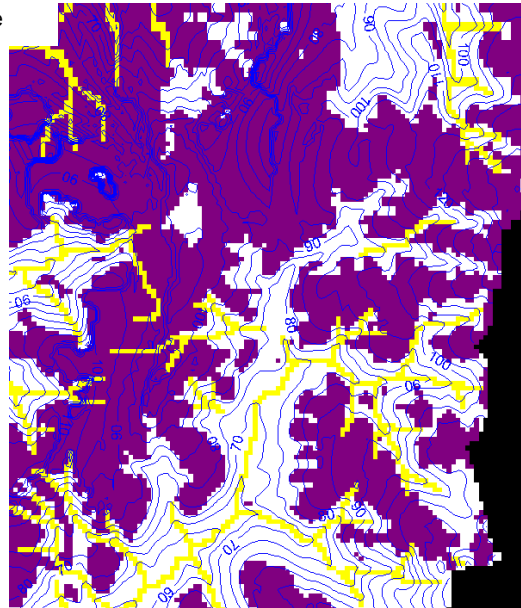
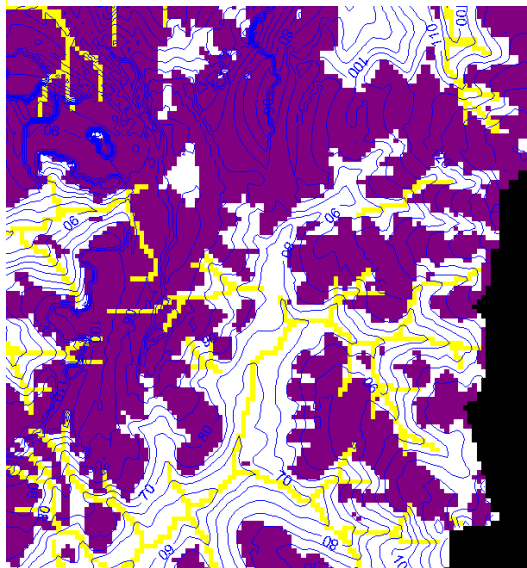
Decline in Uppermost Water Table – Cumulative Impact



Decline (m):

- >50m
- 20 to 50m
- 10 to 20m
- 5 to 10m
- 2 to 5m
- <2m

Uppermost Water Table – Cumulative Impact Null Case



Notes. 1) Dry cells in the lower images, displayed in purple, are with respect to heads from Layer 1; 2) Contours are highest water table, however, not necessarily residing in Layer 1.

Dec 2017 (SP44)

Dec 2020 (SP80)

Dec 2023 (SP116)

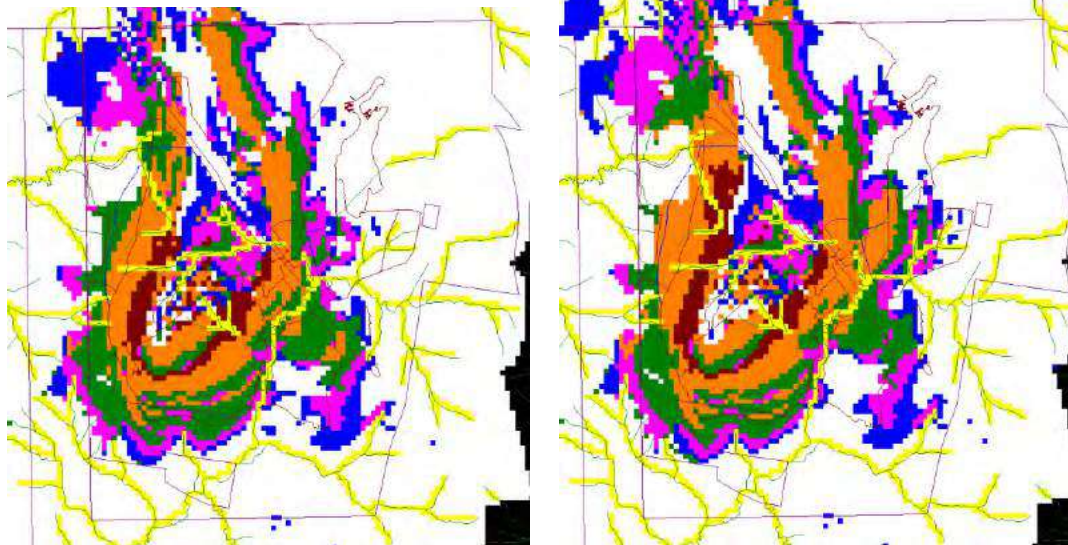
015a_PRD-NUL_02a.gvw

RPS

PREDICTION MODEL – MODELLED DECLINE IN UPPERMOST WATER TABLE – CUMULATIVE IMPACT FIGURE 8.19.3

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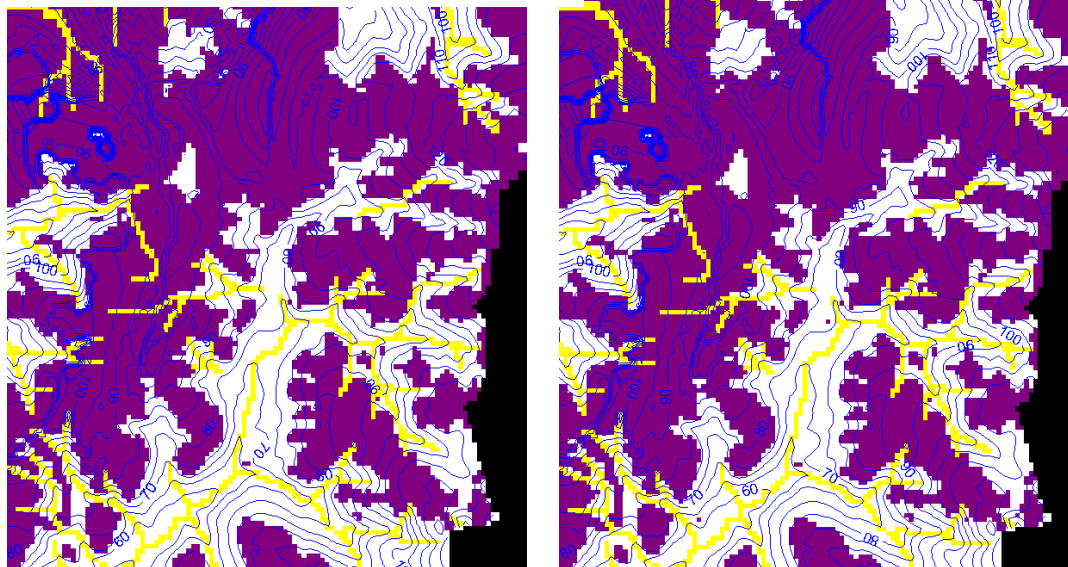
Decline in Uppermost Water Table – Cumulative Impact



Decline (m):

- >50m
- 20 to 50m
- 10 to 20m
- 5 to 10m
- 2 to 5m
- <2m

Uppermost Water Table – Cumulative Impact Null Case



Notes. 1) Dry cells in the lower images, displayed in purple, are with respect to heads from Layer 1; 2) Contours are highest water table, however, not necessarily residing in Layer 1.

Dec 2026 (SP152)

Dec 2037 (SP284)

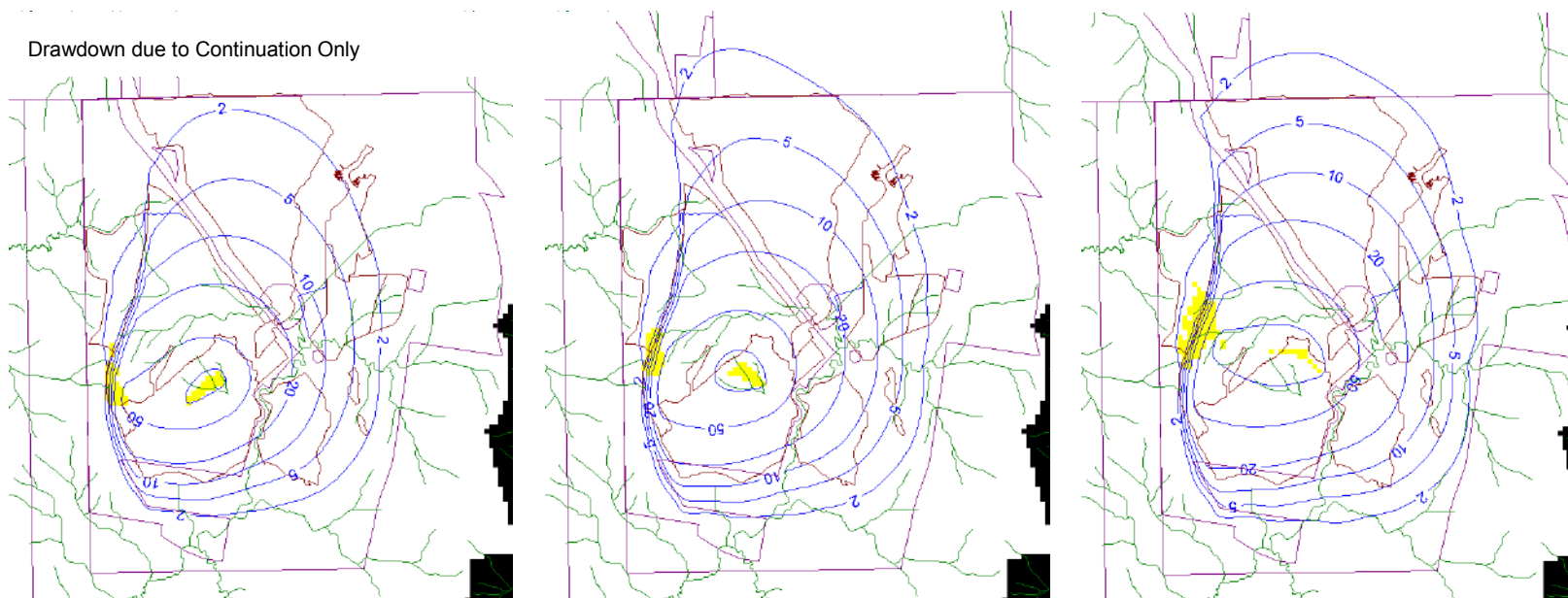
015a_PRD-NUL_02a.gwv

RPS

PREDICTION MODEL – MODELLED DECLINE IN UPPERMOST WATER TABLE – CUMULATIVE IMPACT FIGURE 8.19.4

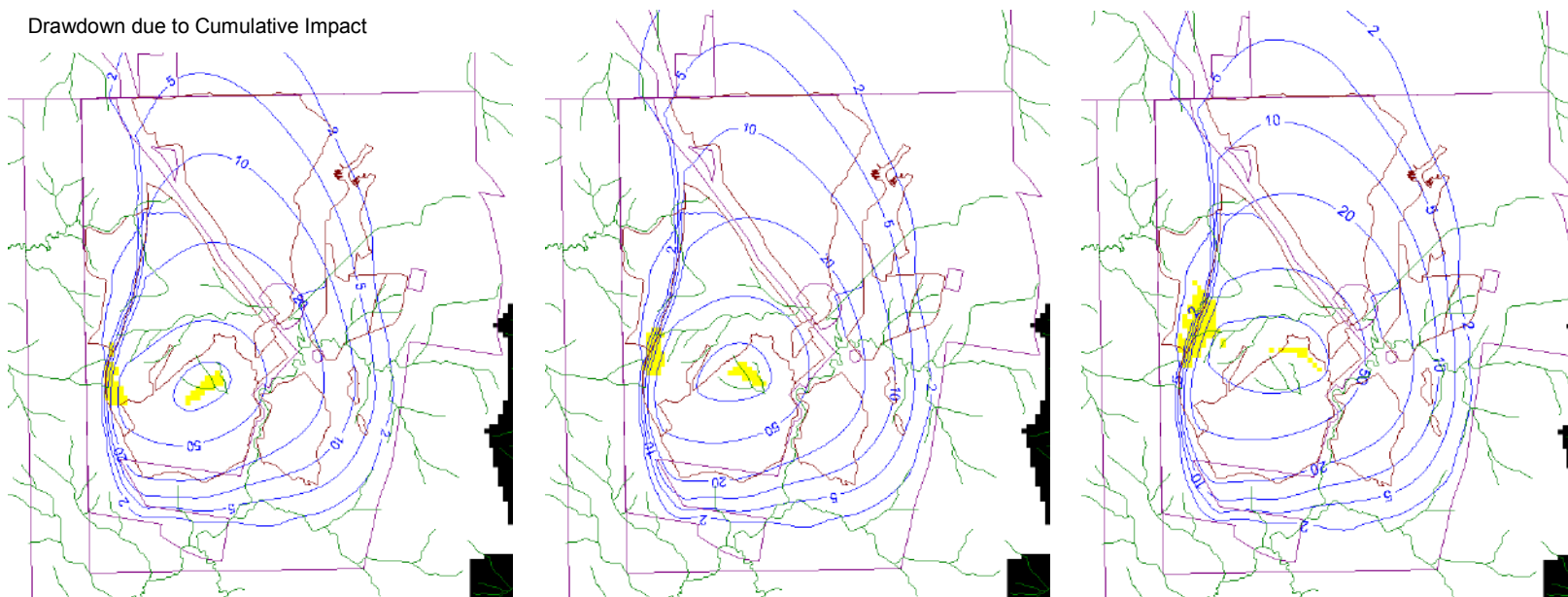
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Drawdown due to Continuation Only



015a_PRD-MP1_04a_NUL.gwv

Drawdown due to Cumulative Impact



Dec 2017 (SP44)

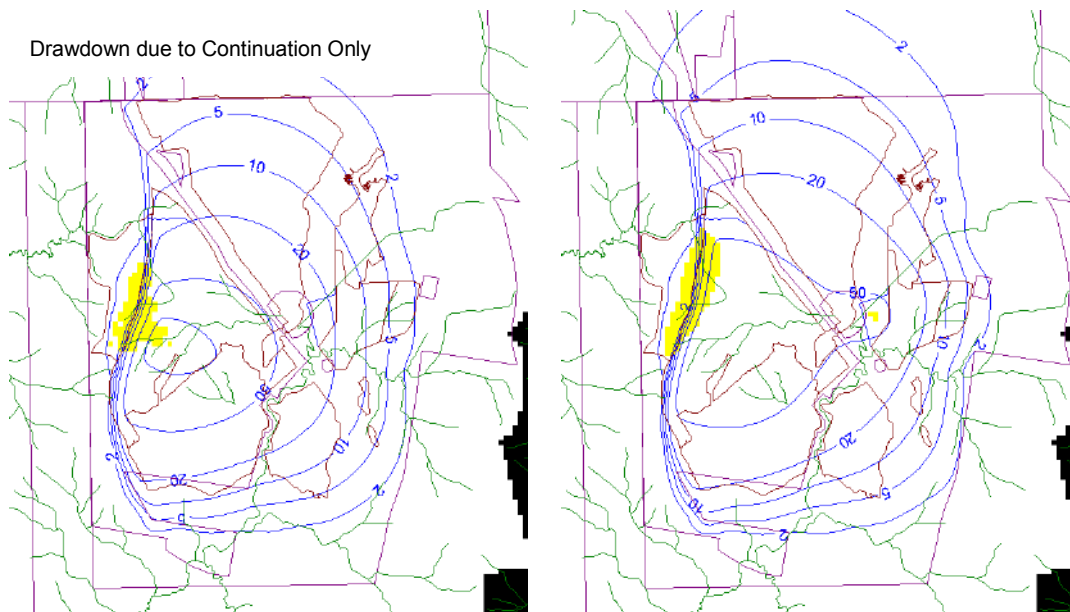
Dec 2020 (SP80)

Dec 2023 (SP116)

015a_PRD-NUL_02a.gwv

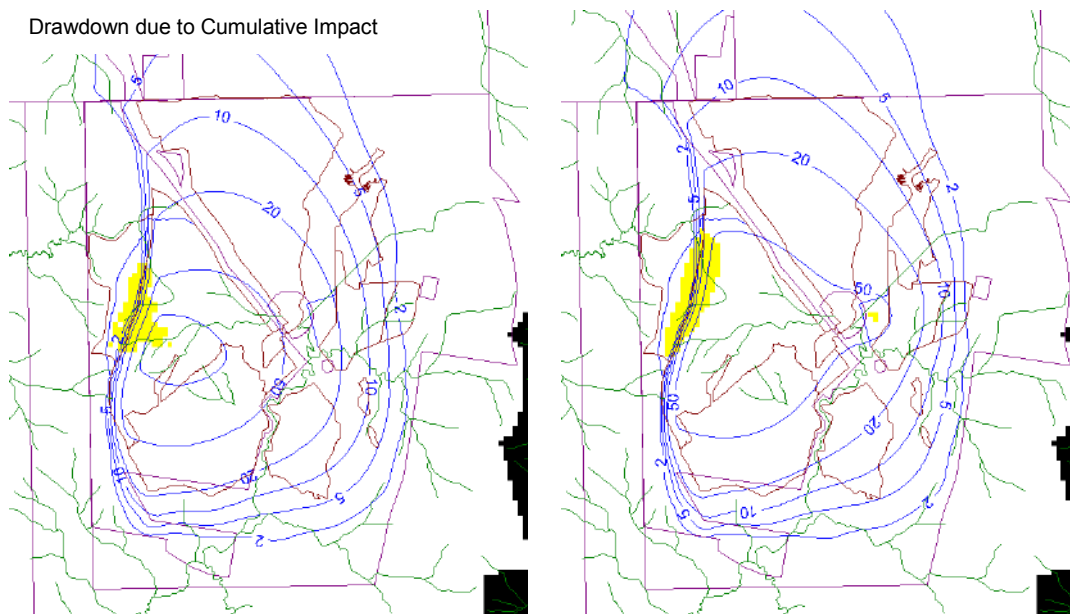
PREDICTION MODEL – MODELLED DRAWDOWN IN HEBDEN SEAM FIGURE 8.19.5

Drawdown due to Continuation Only



015a_PRD-MP1_04a_NUL.gww

Drawdown due to Cumulative Impact



Dec 2026 (SP152)

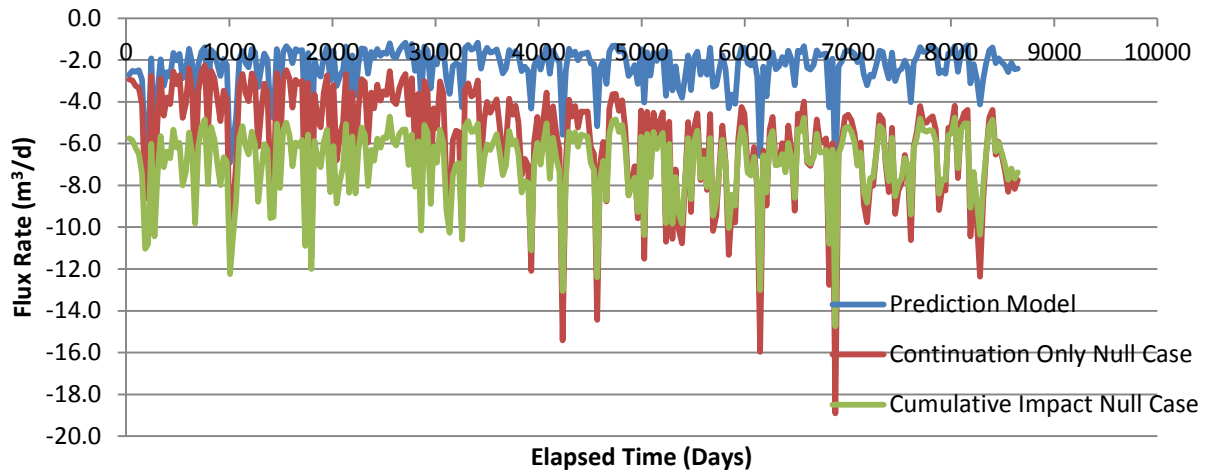
Dec 2037 (SP284)

015a_PRD-NUL_02a.gww

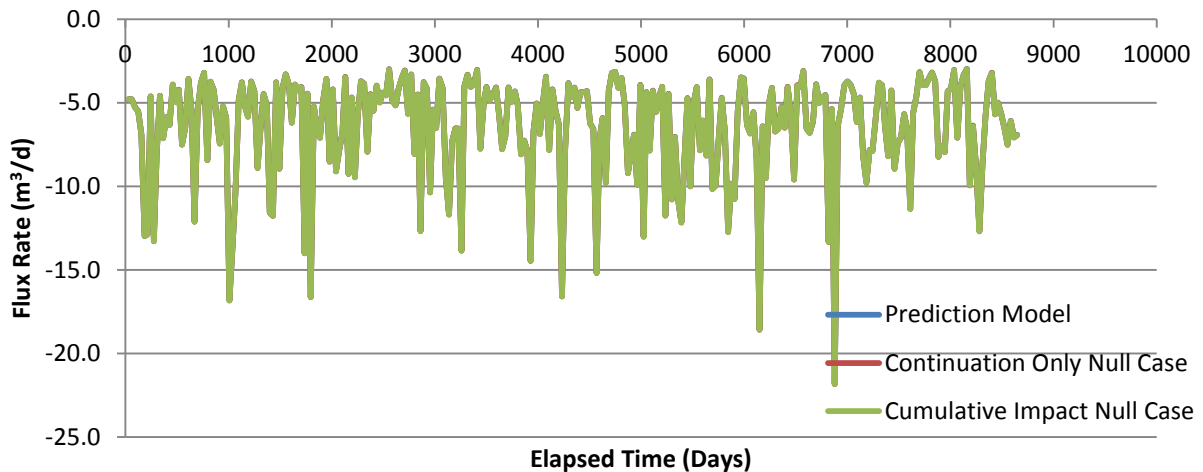
PREDICTION MODEL – MODELLED DRAWDOWN IN HEBDEN SEAM FIGURE 8.19.6

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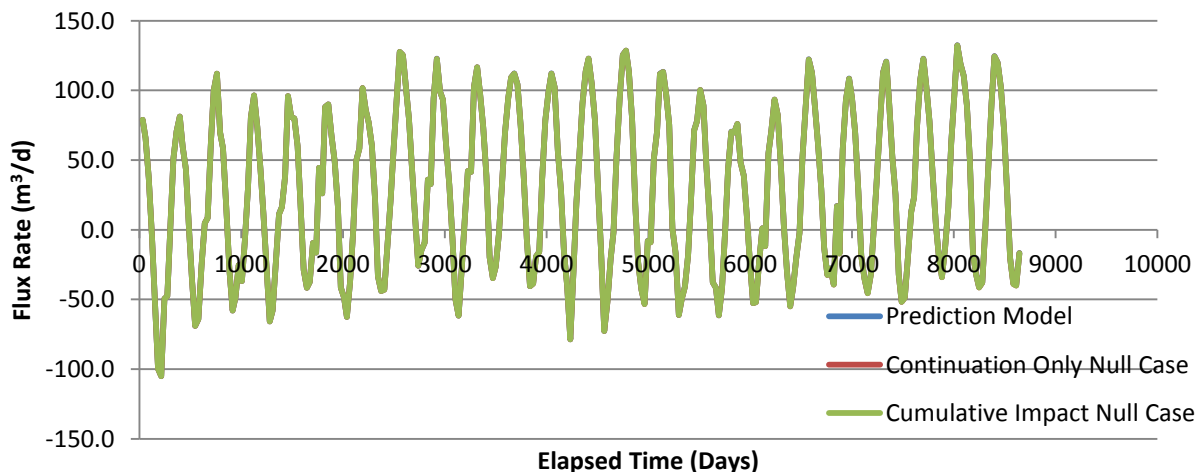
Flux vs. Time at Drain Reach 116

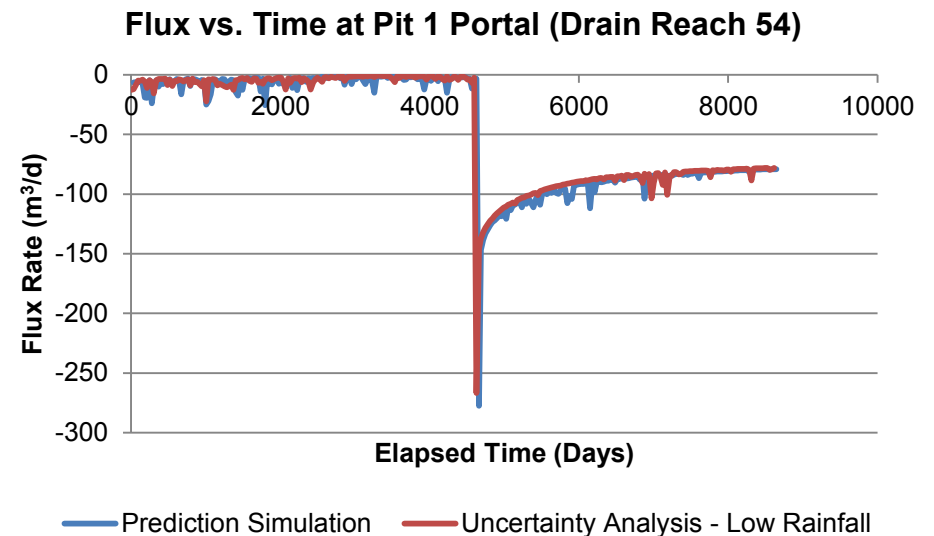
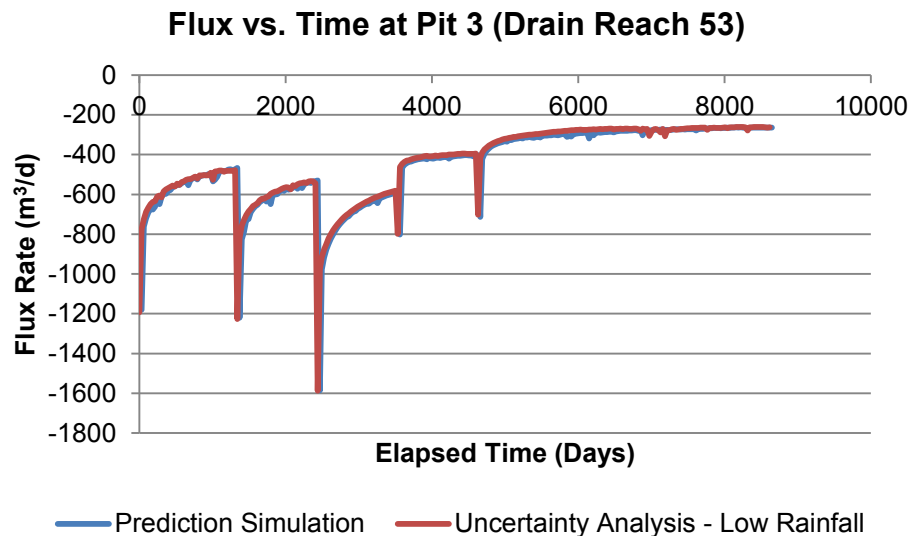
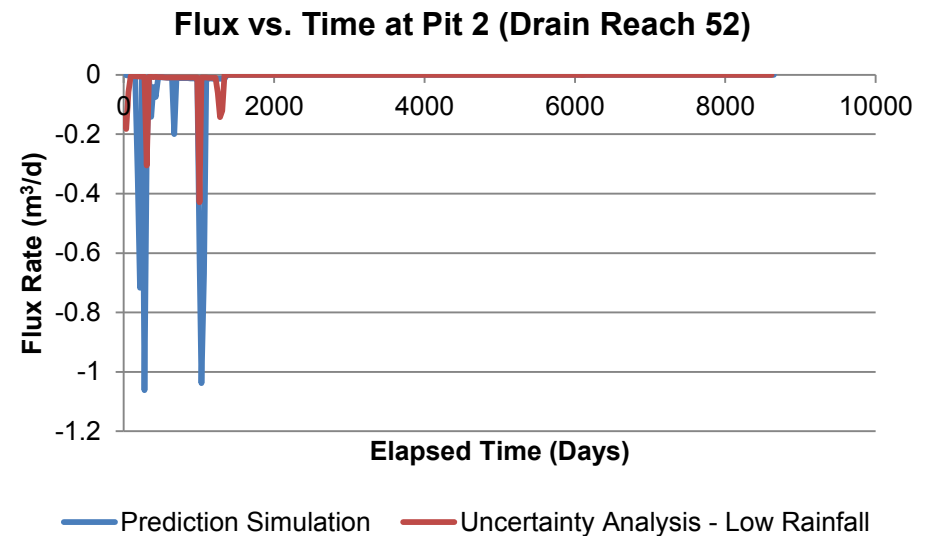
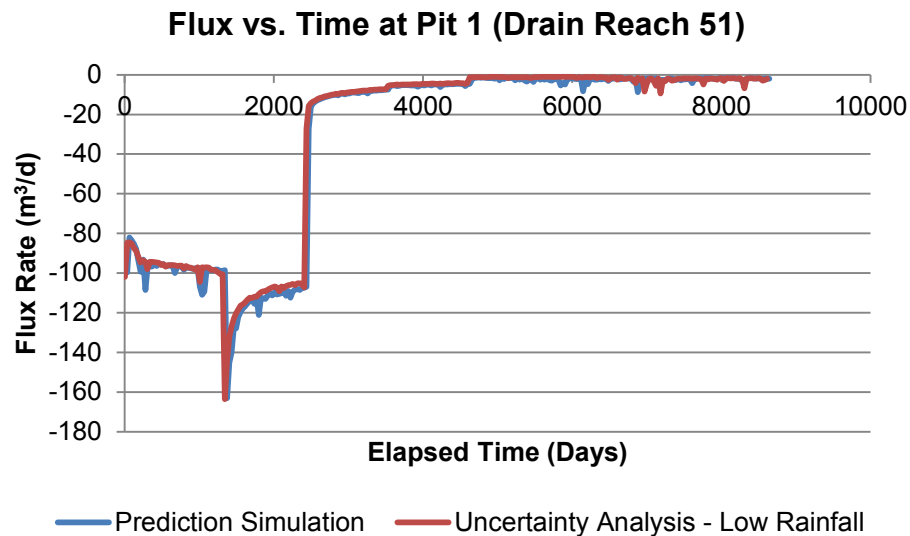


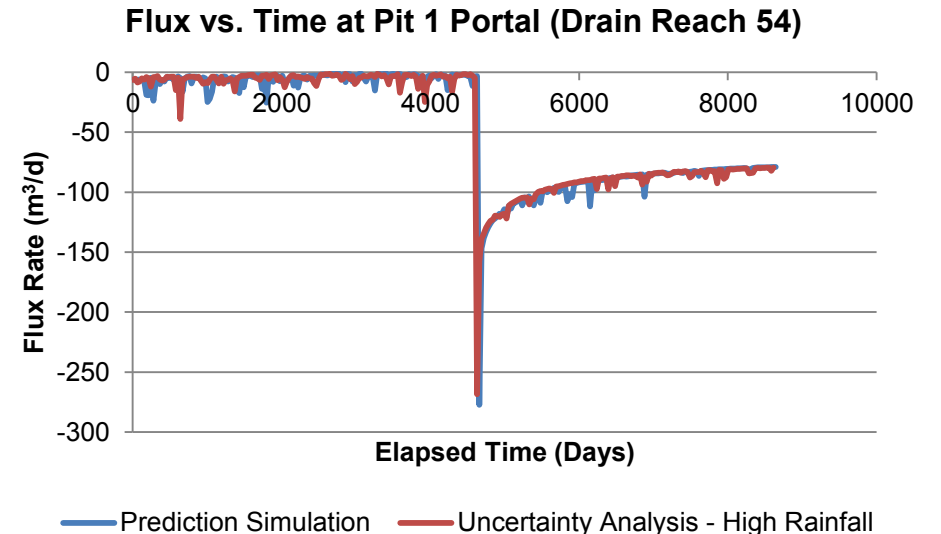
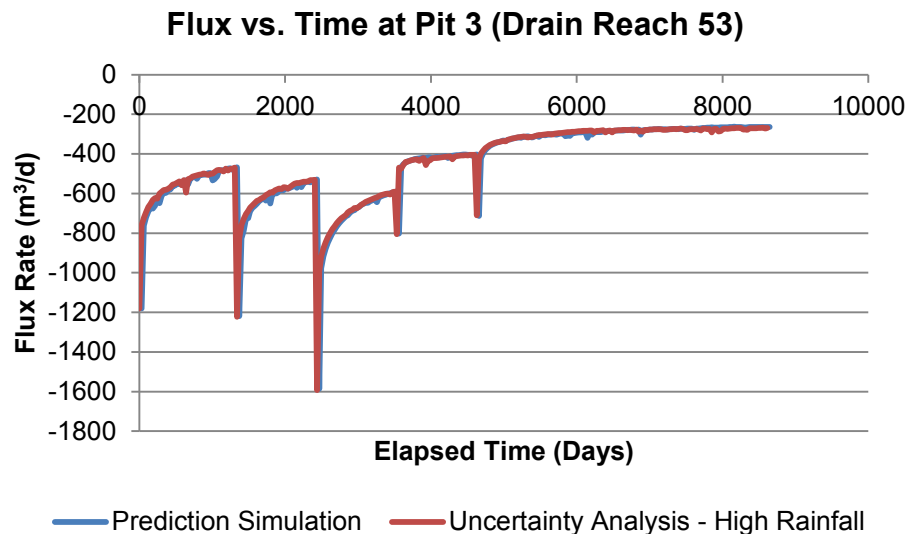
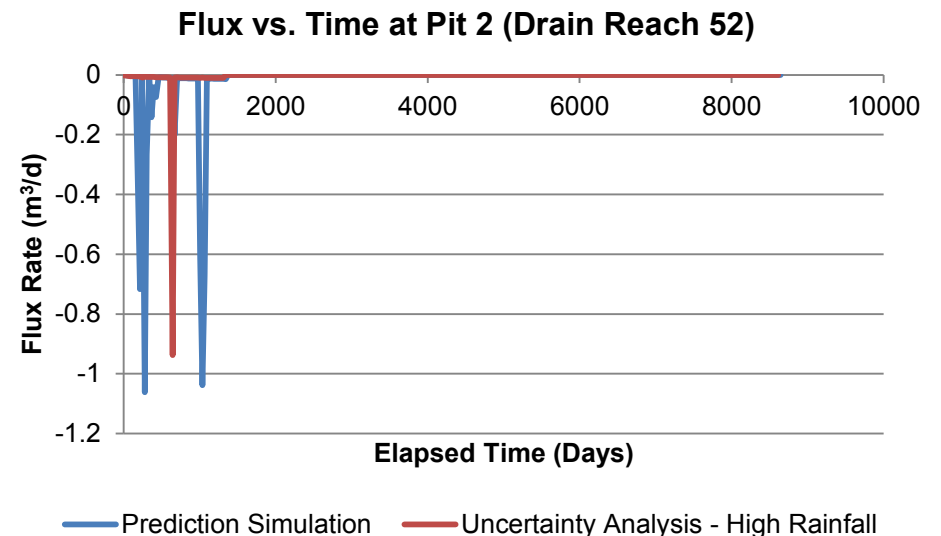
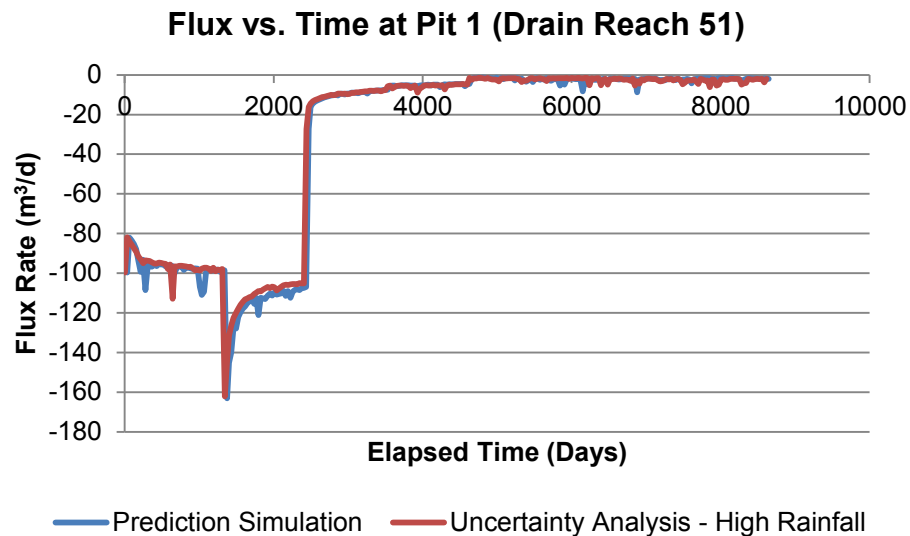
Flux vs. Time at Drain Reach 104

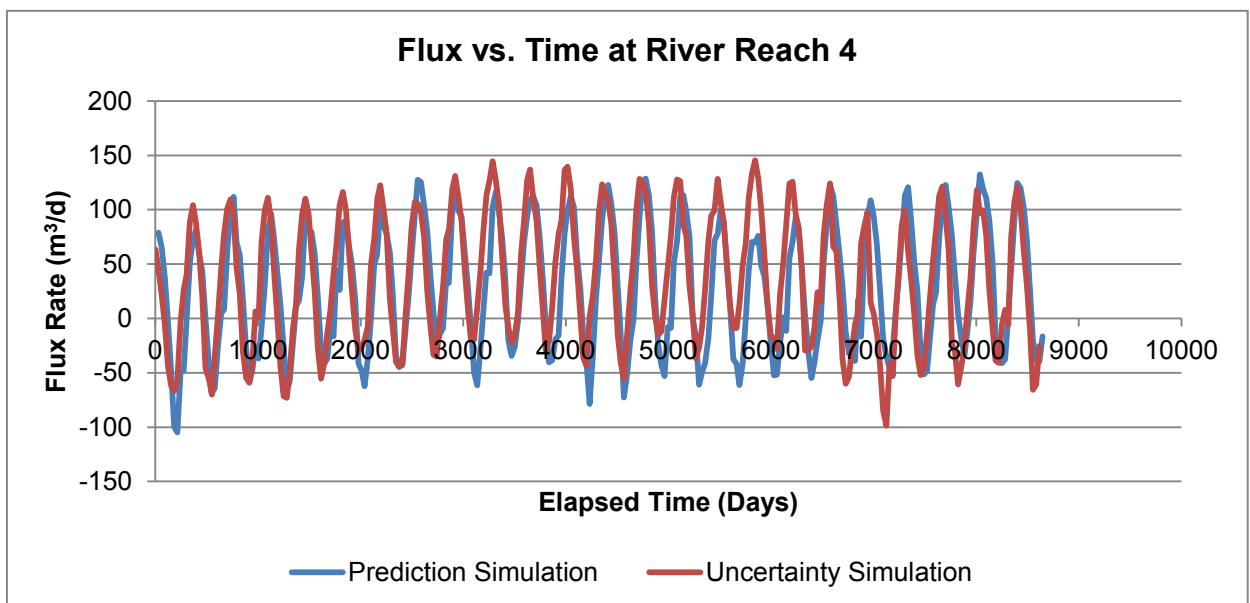
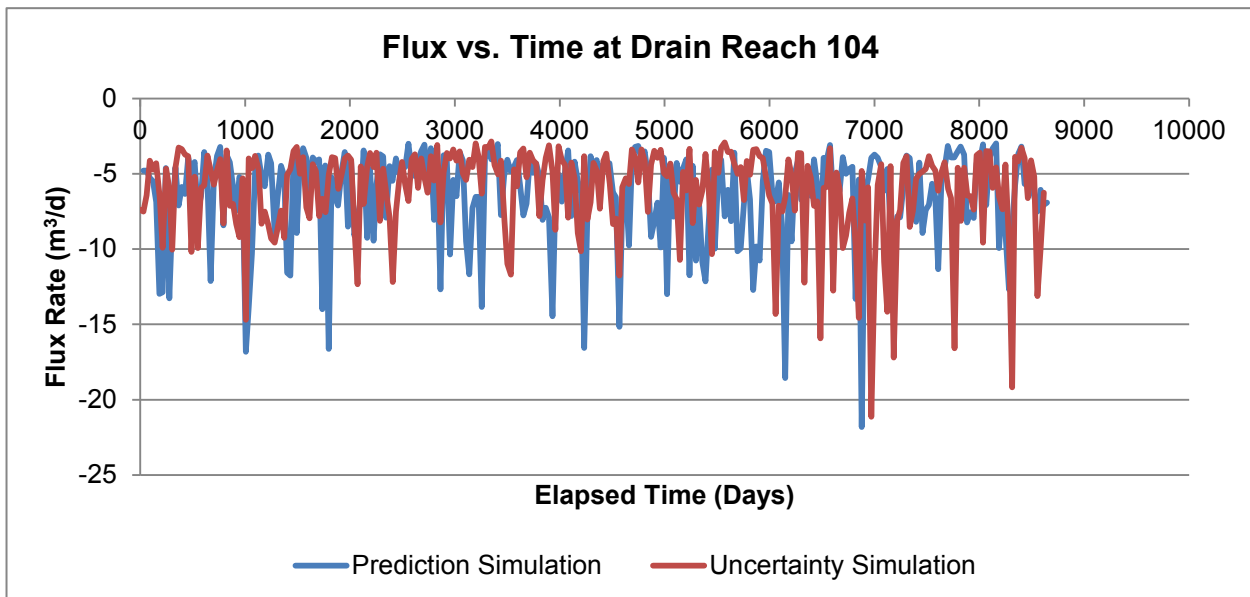
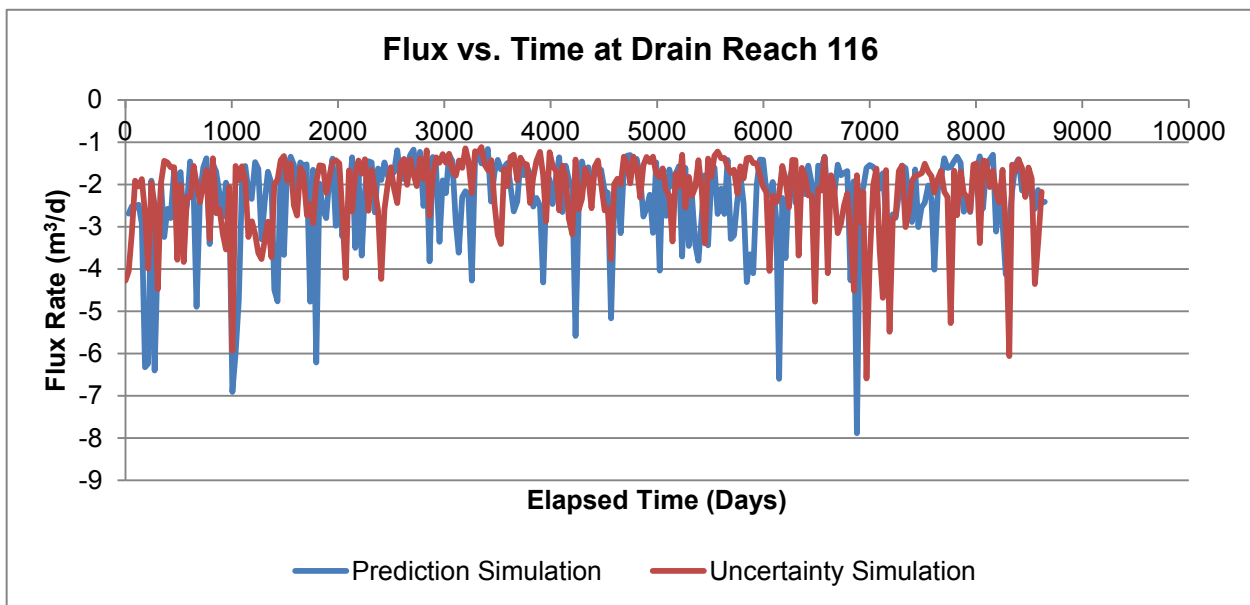


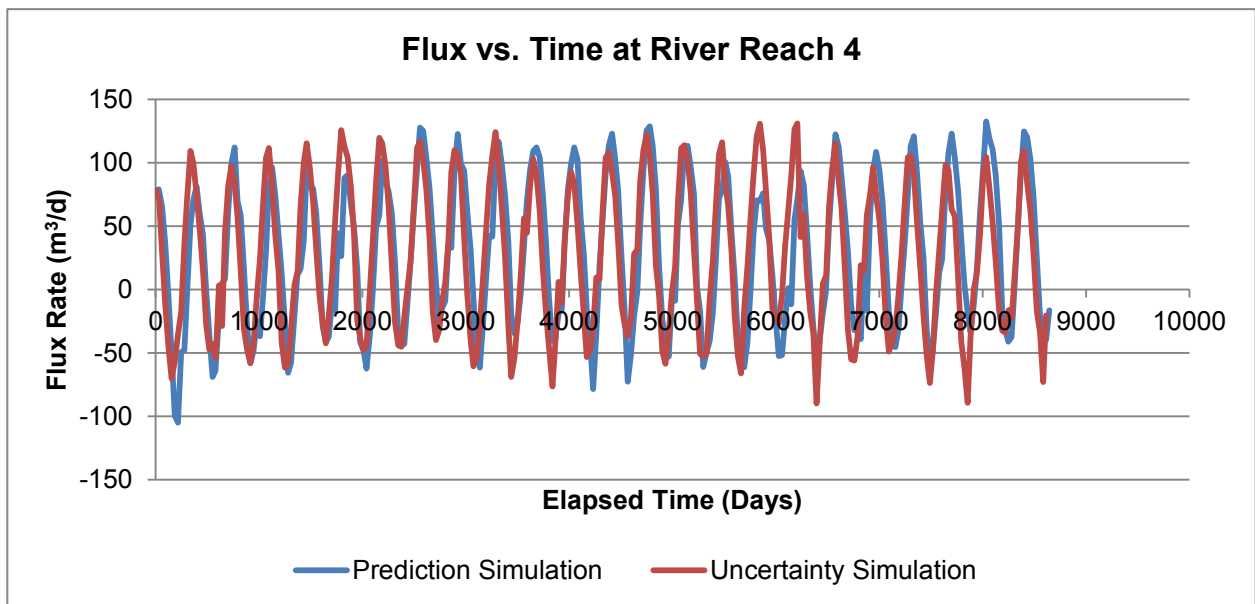
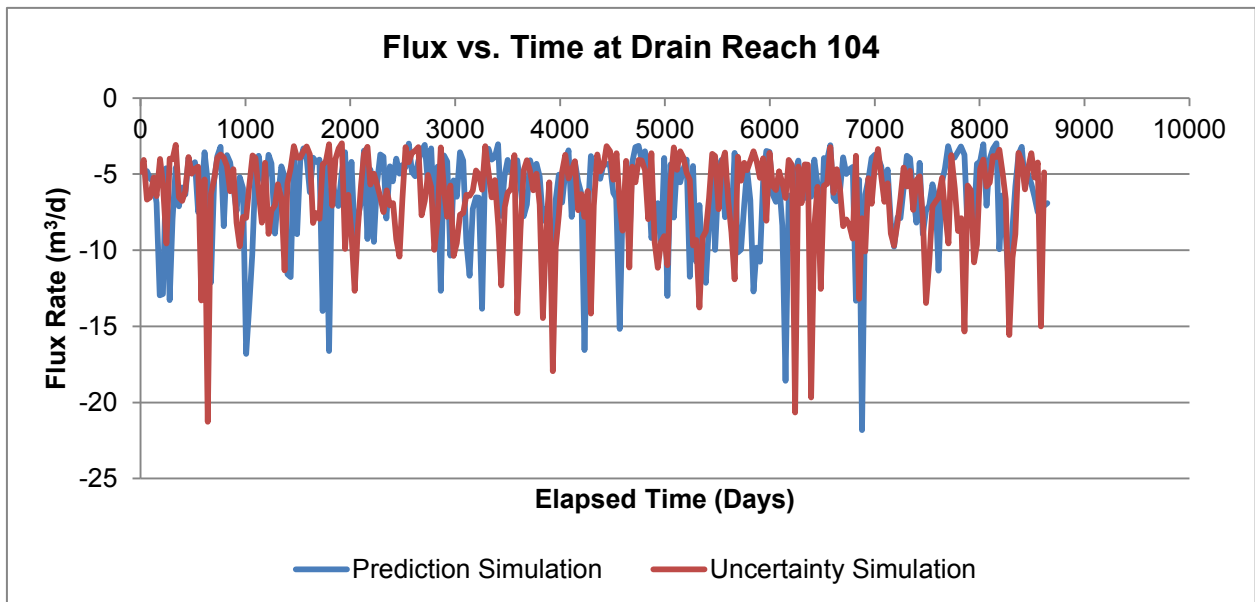
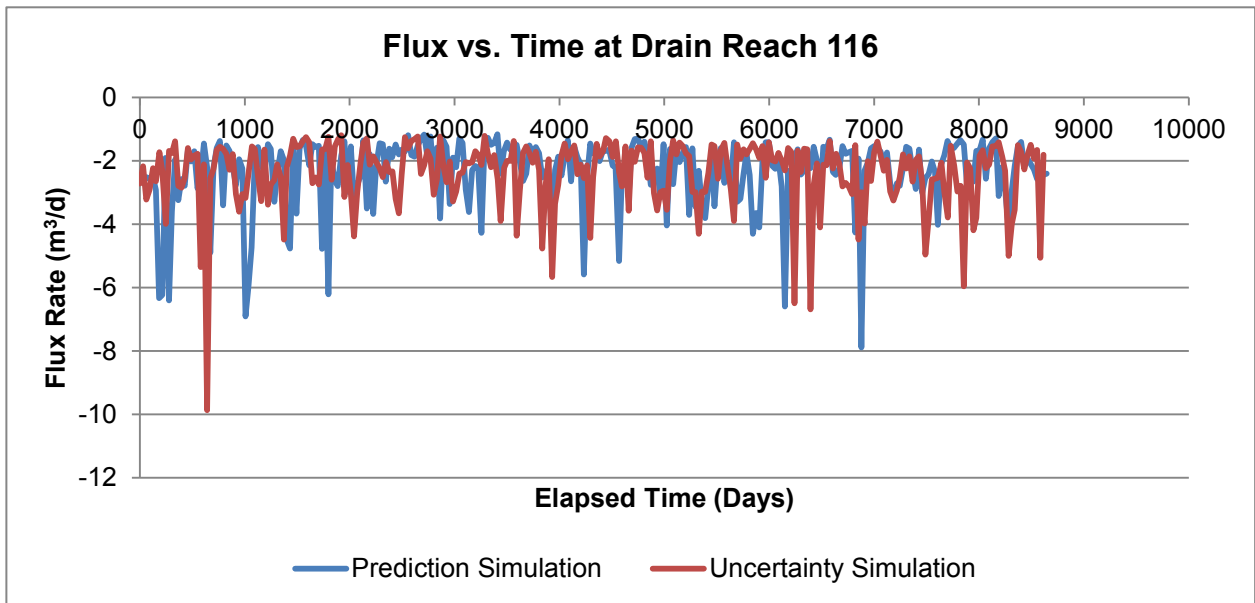
Flux vs. Time at River Reach 4

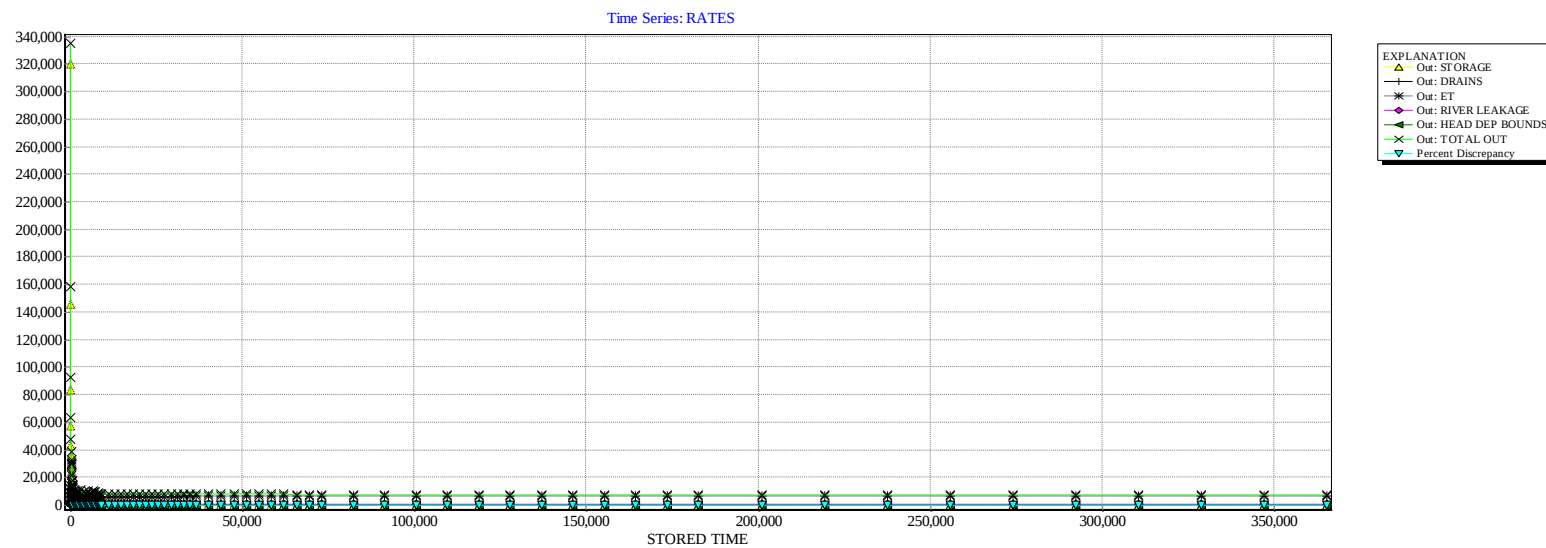
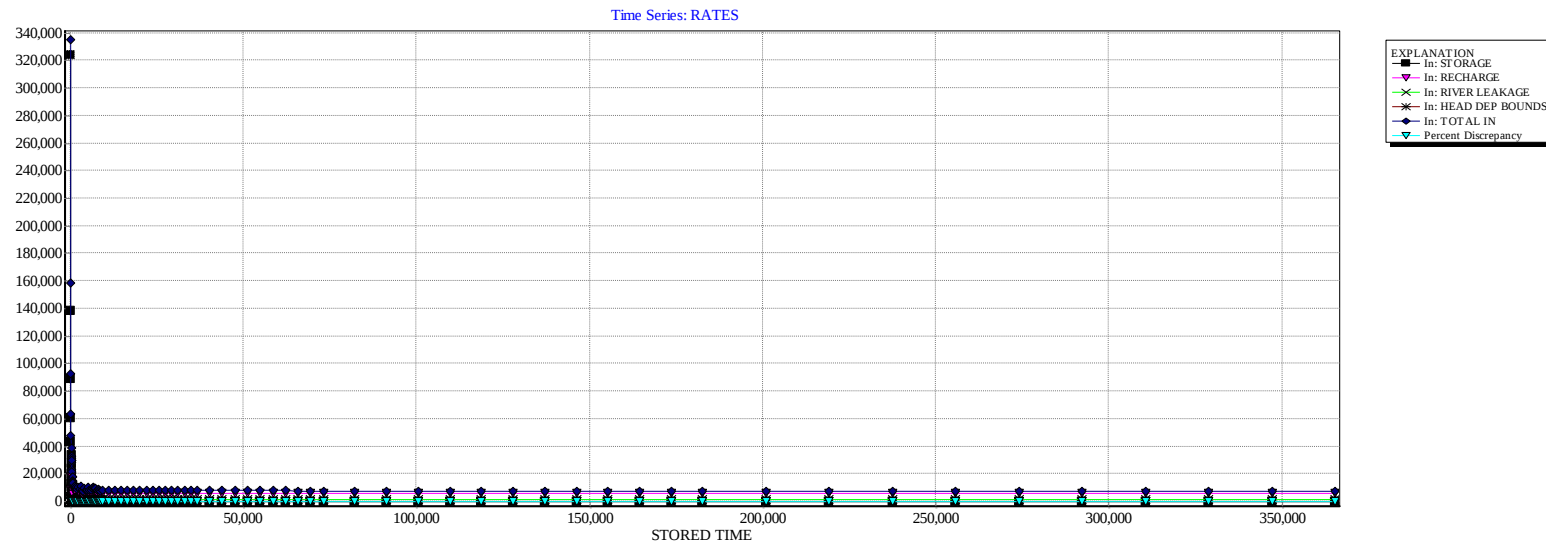








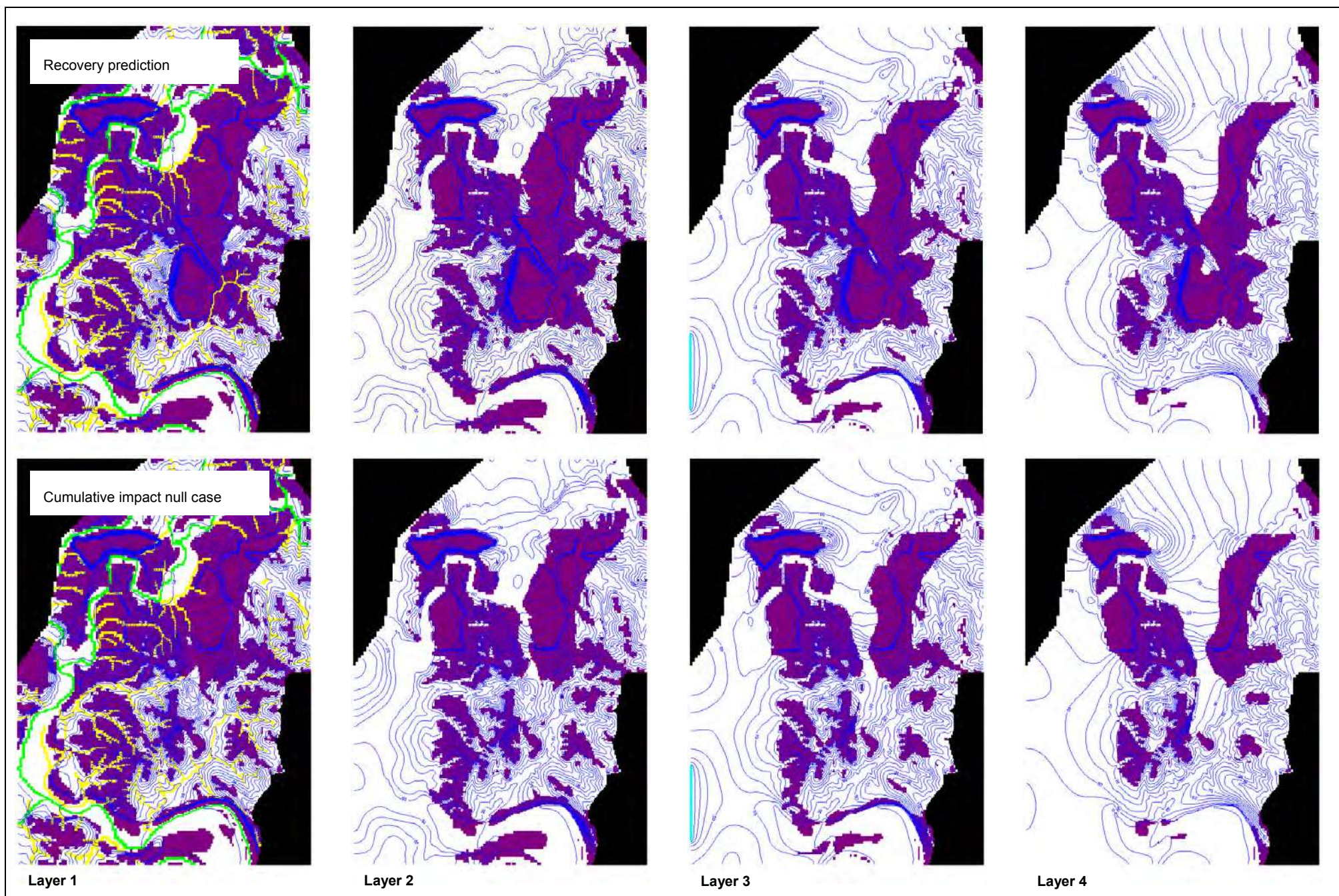




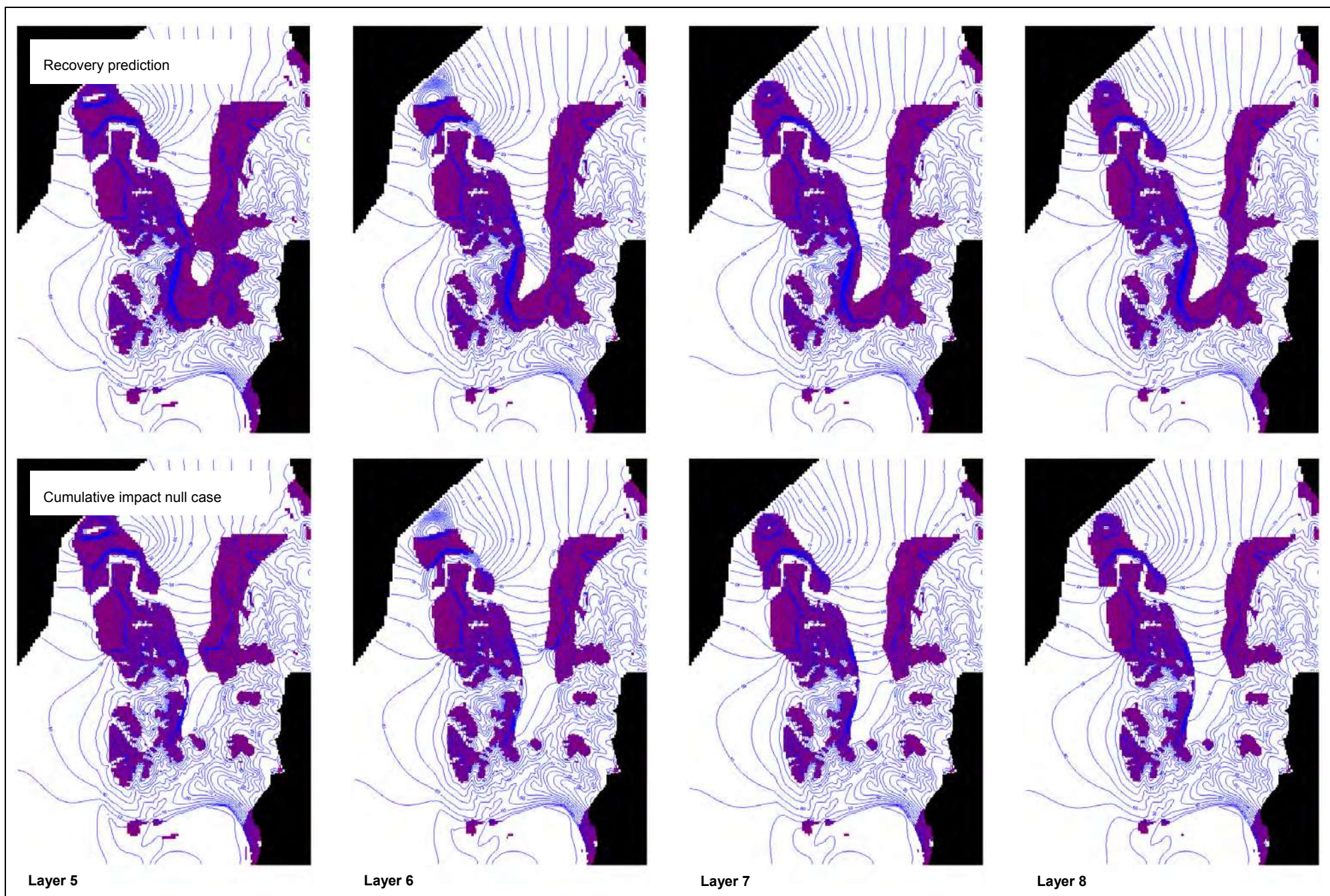
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RECOVERY MODEL – MODEL MASS BALANCE FIGURE 8.23

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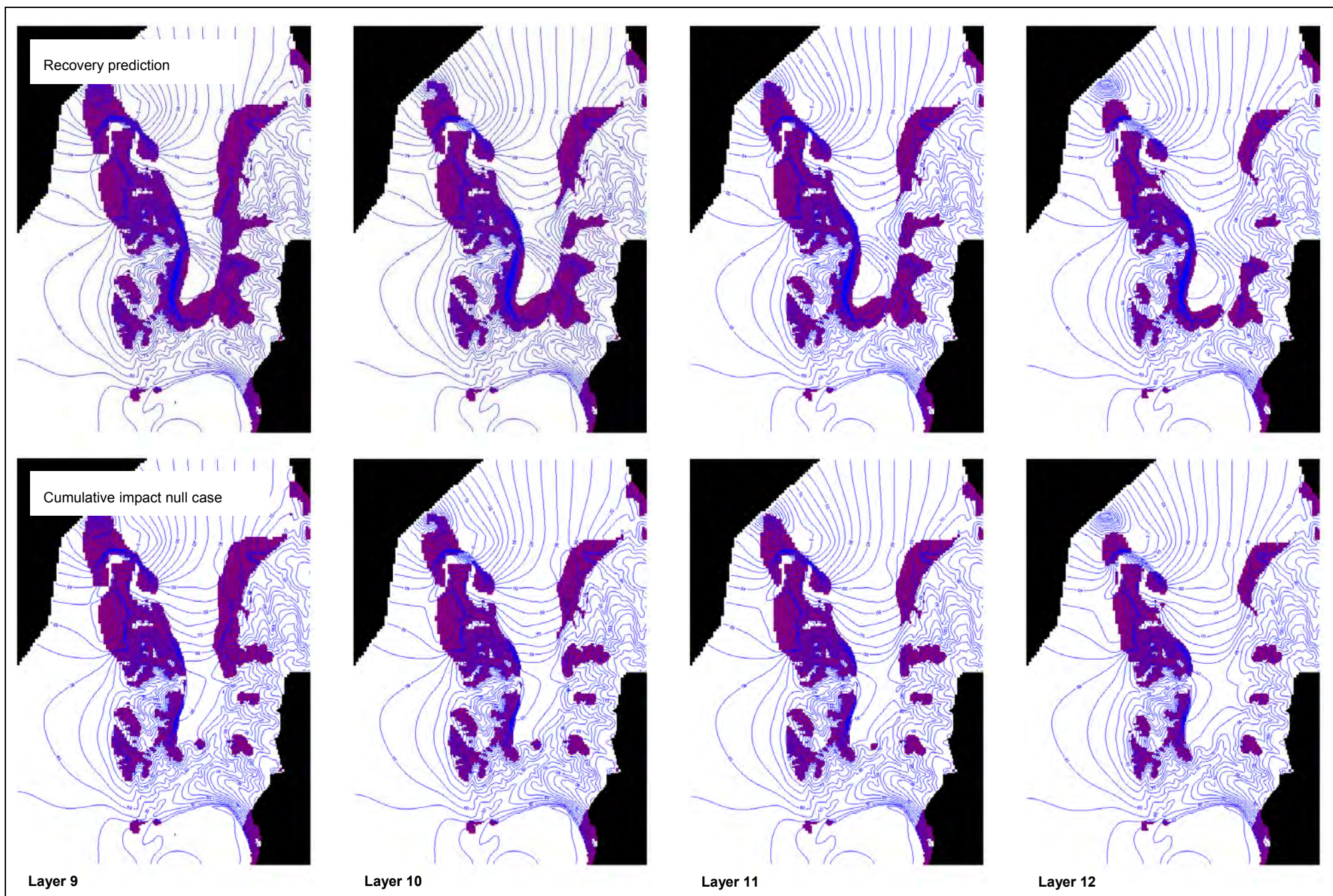


RECOVERY MODEL – MODELLED GROUNDWATER CONTOURS – 2057 FIGURE 8.24.1



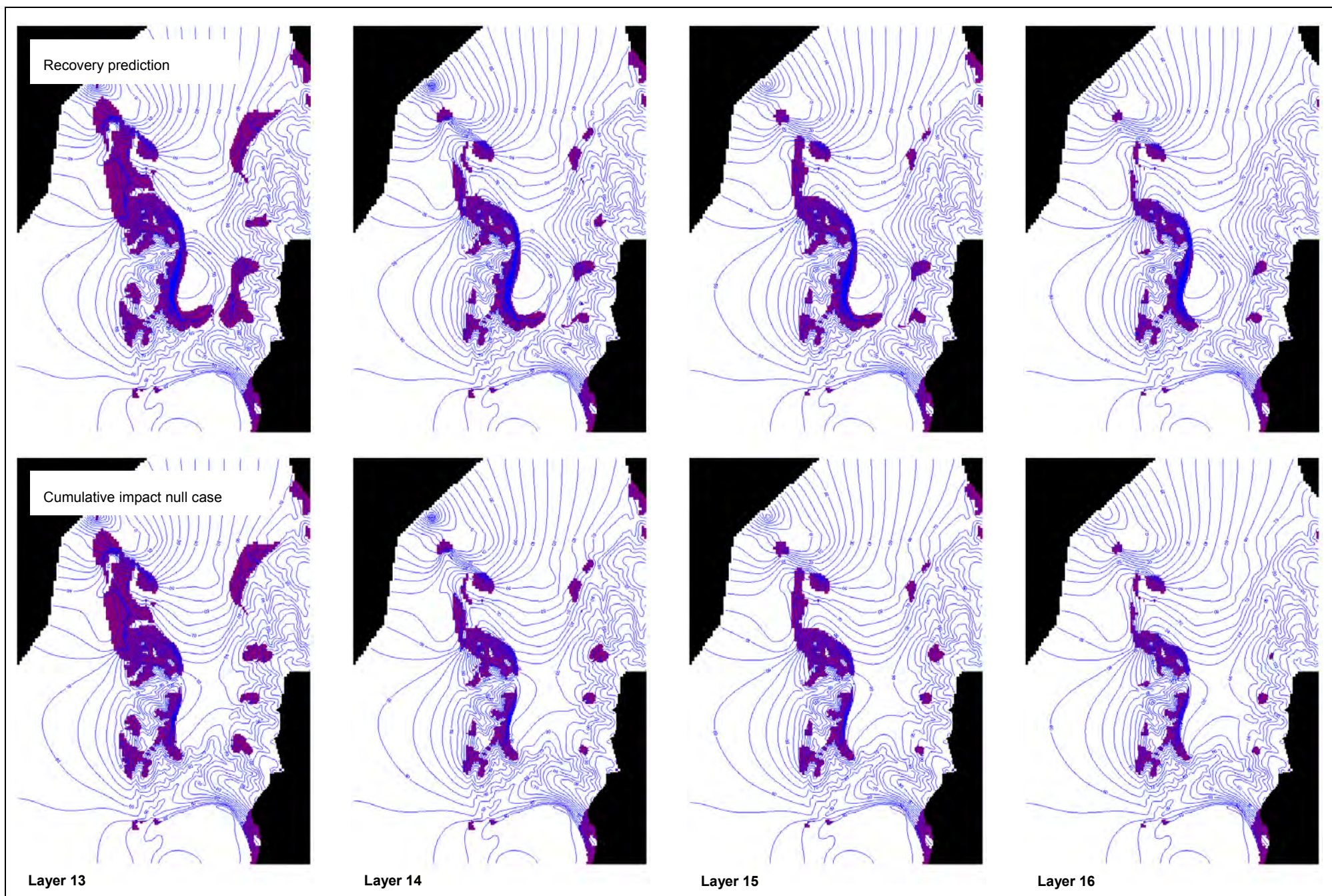
RECOVERY MODEL – MODELLED GROUNDWATER CONTOURS – 2057 FIGURE 8.24.2

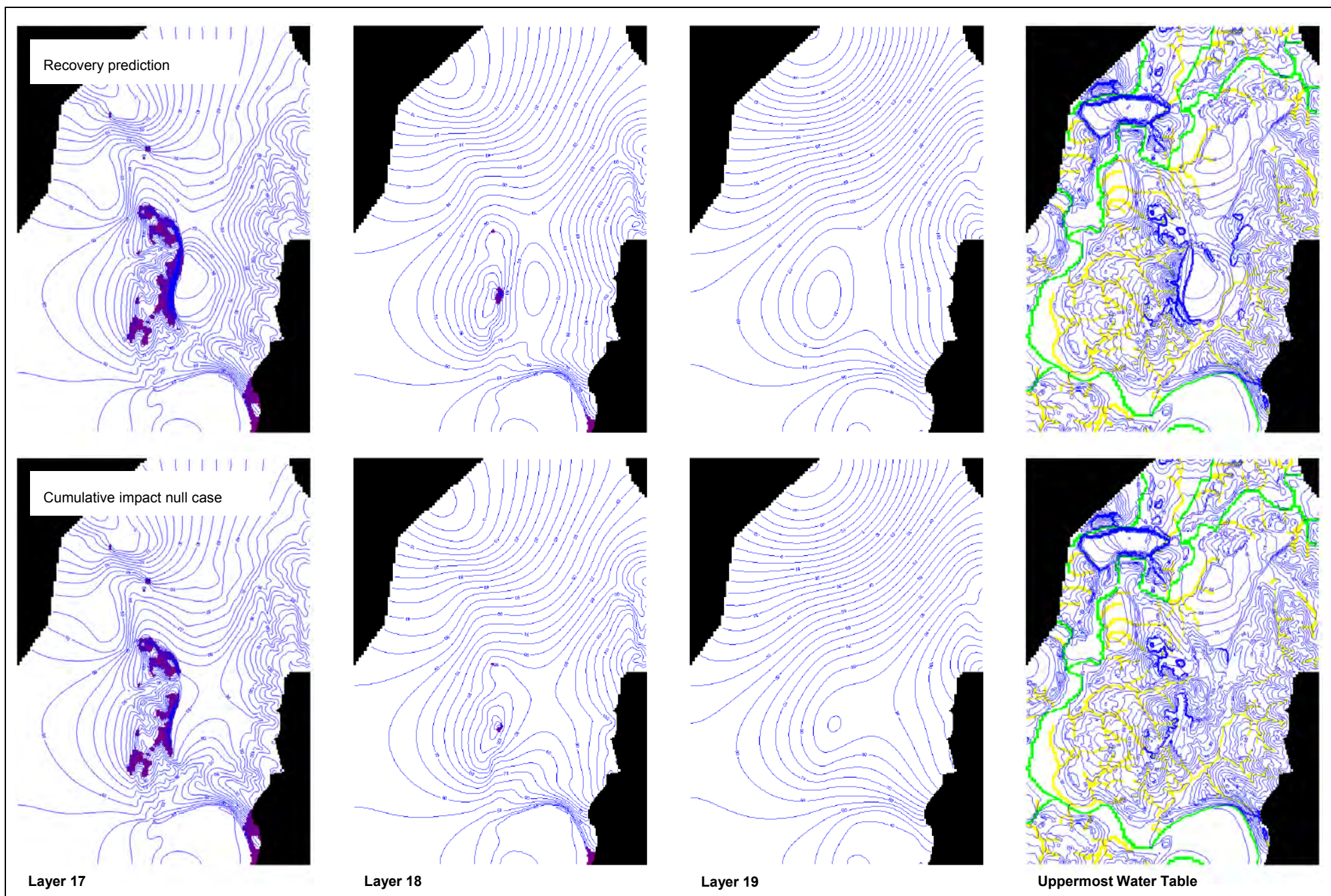
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RECOVERY MODEL – MODELLED GROUNDWATER CONTOURS – 2057 FIGURE 8.24.3

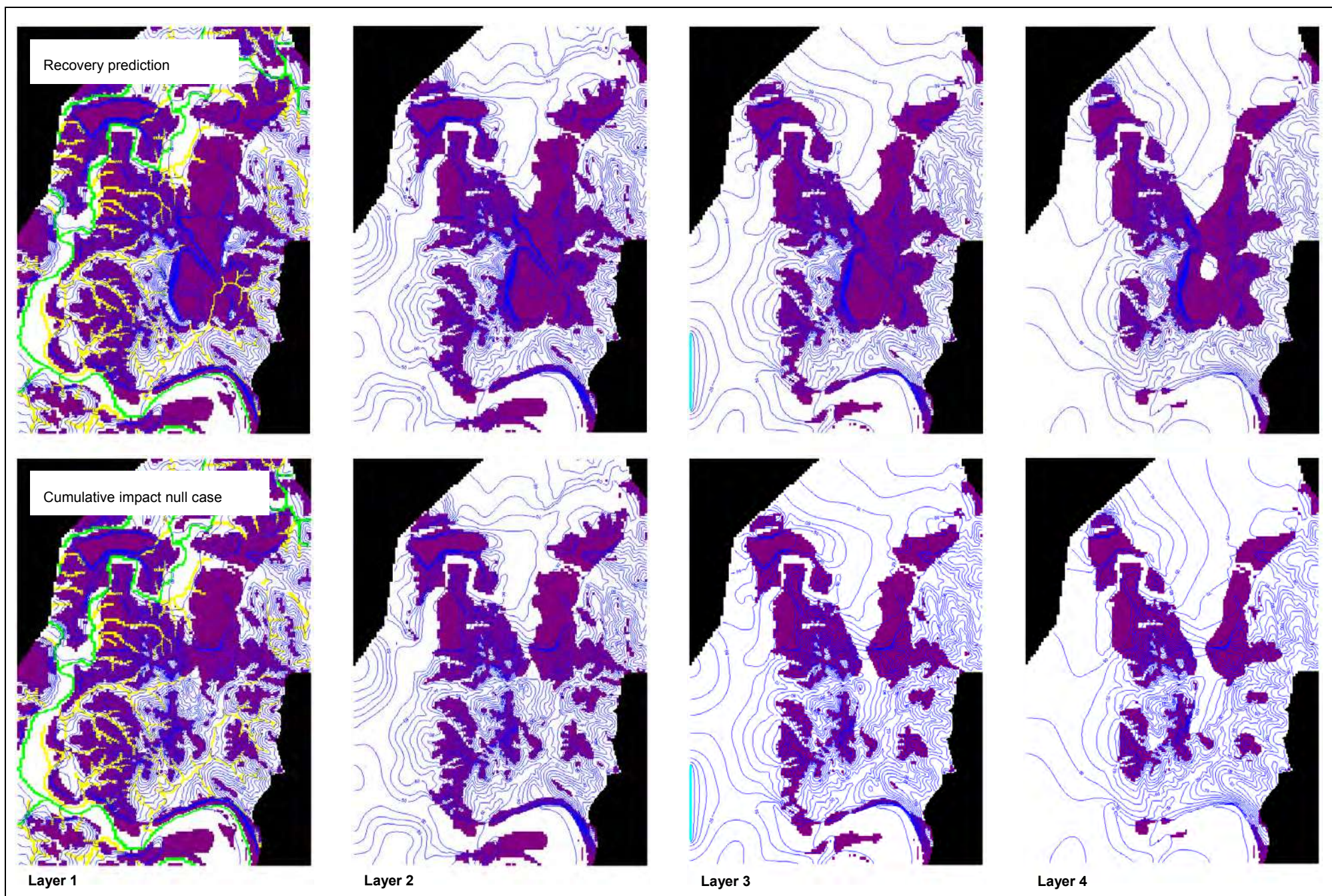
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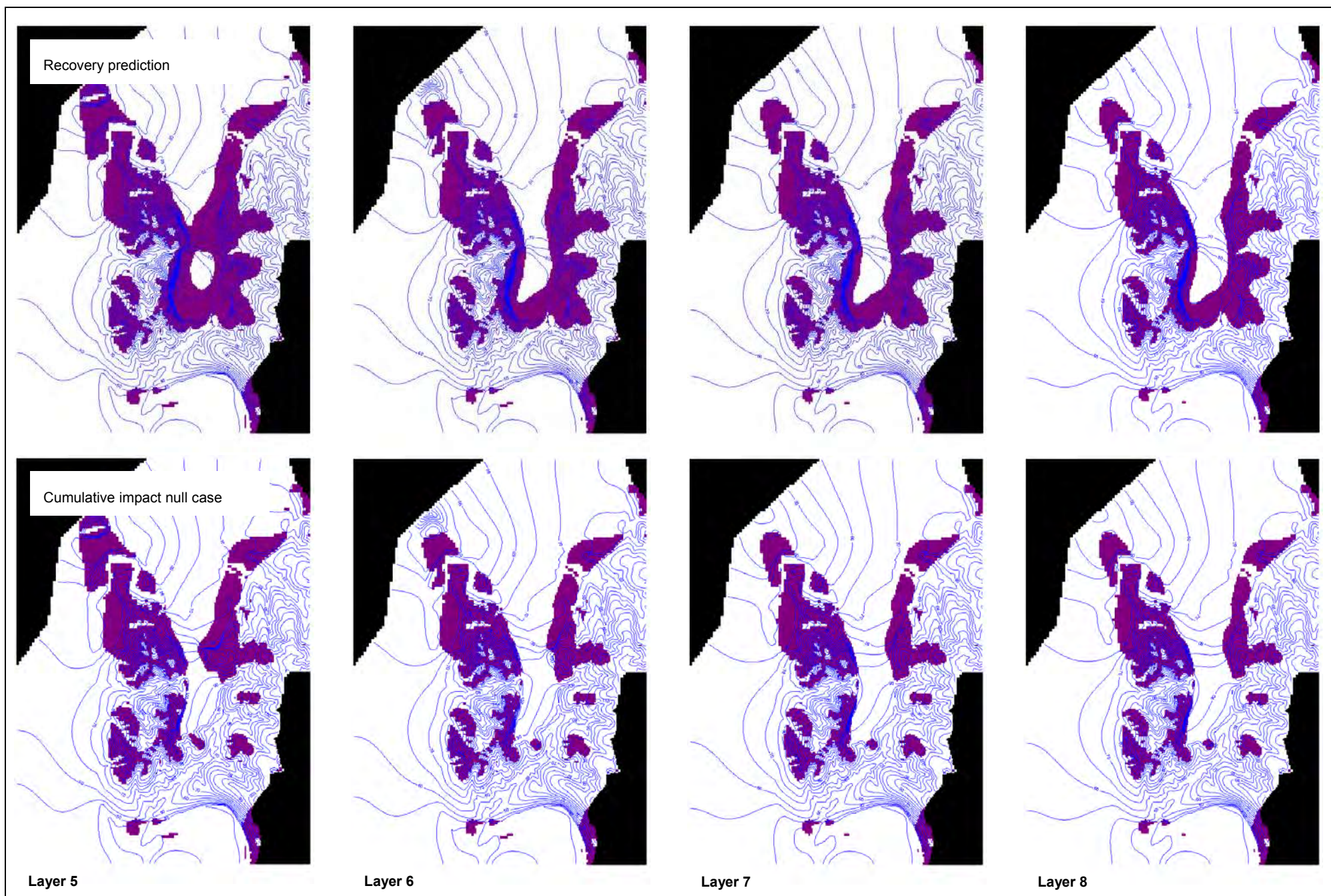
RECOVERY MODEL – MODELLED GROUNDWATER CONTOURS – 2057 FIGURE 8.24.5

c:\jobs\s66d\300\figures\word\projects\015a_d043_figure8-24-5_recoverymodelgroundwaterlevels.docx



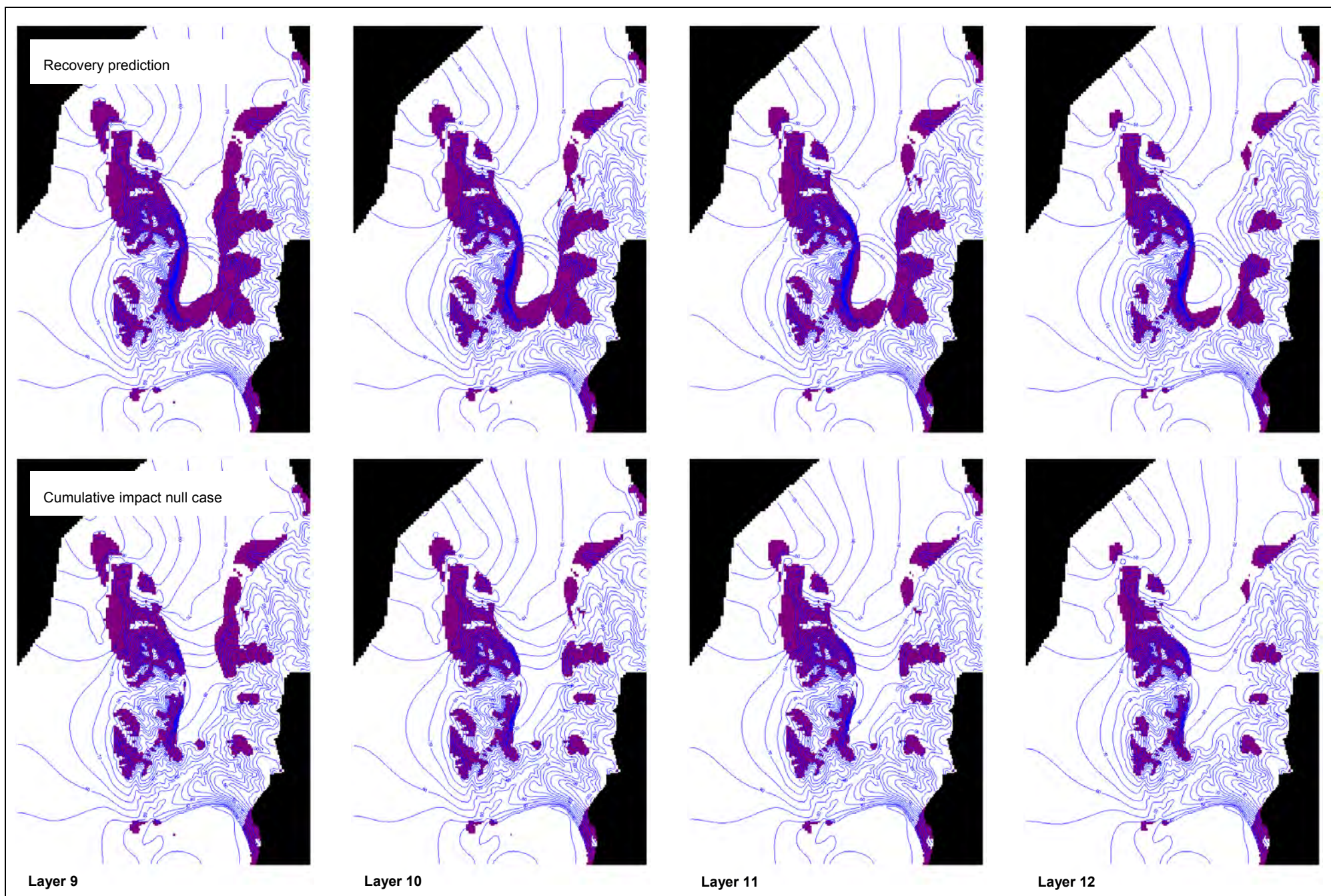
RECOVERY MODEL – MODELLED GROUNDWATER CONTOURS – 2137 FIGURE 8.25.1

c:\jobs\s66d\300\figures\word\projects\015a_d044_figure8-25-1_recoverymodelgroundwaterlevels.docx



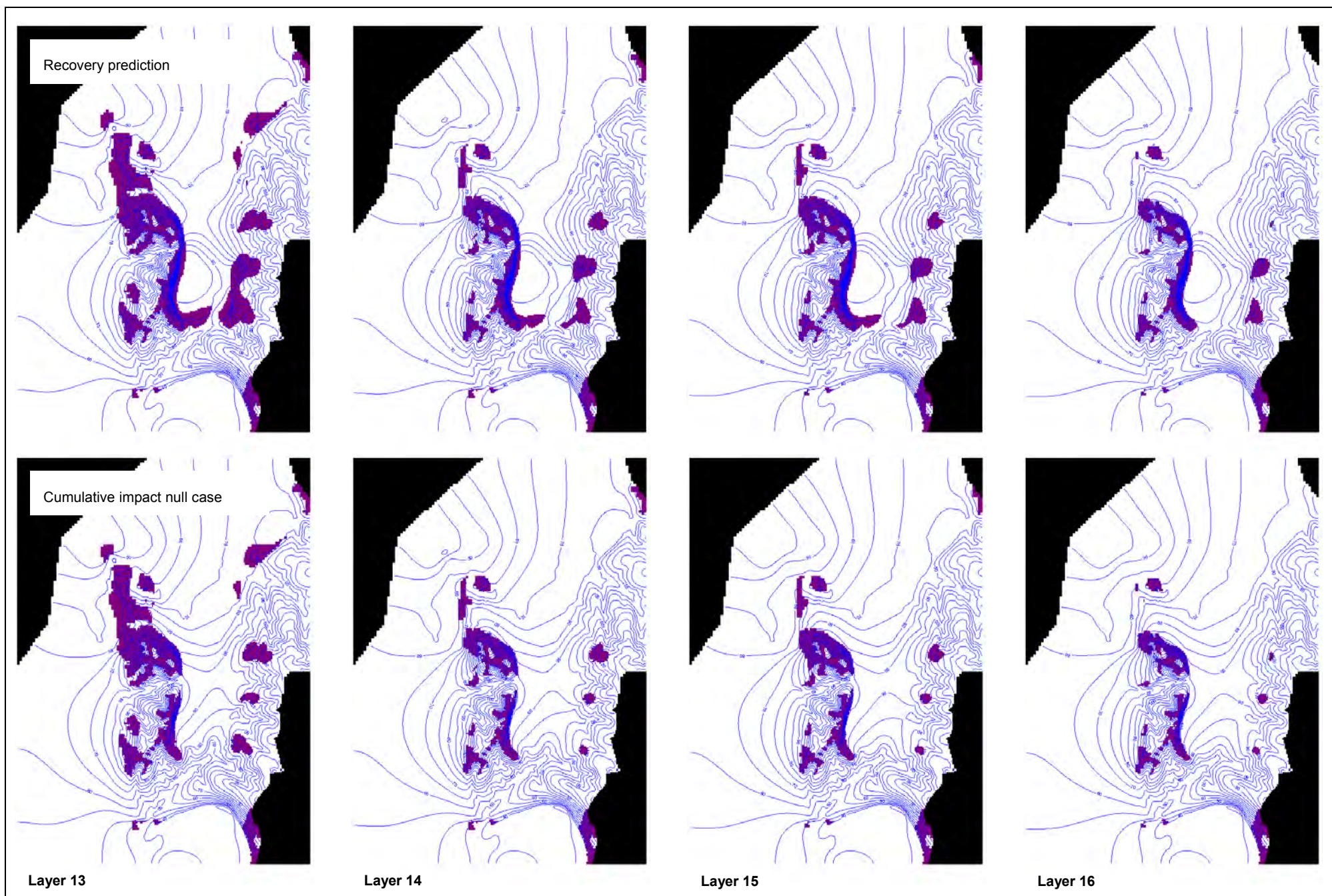
RECOVERY MODEL – MODELLED GROUNDWATER CONTOURS – 2137 FIGURE 8.25.2

c:\jobs\66d\300\figures\word\projects\015a_d045_figure8-25-2_recoverymodelgroundwaterlevels.docx



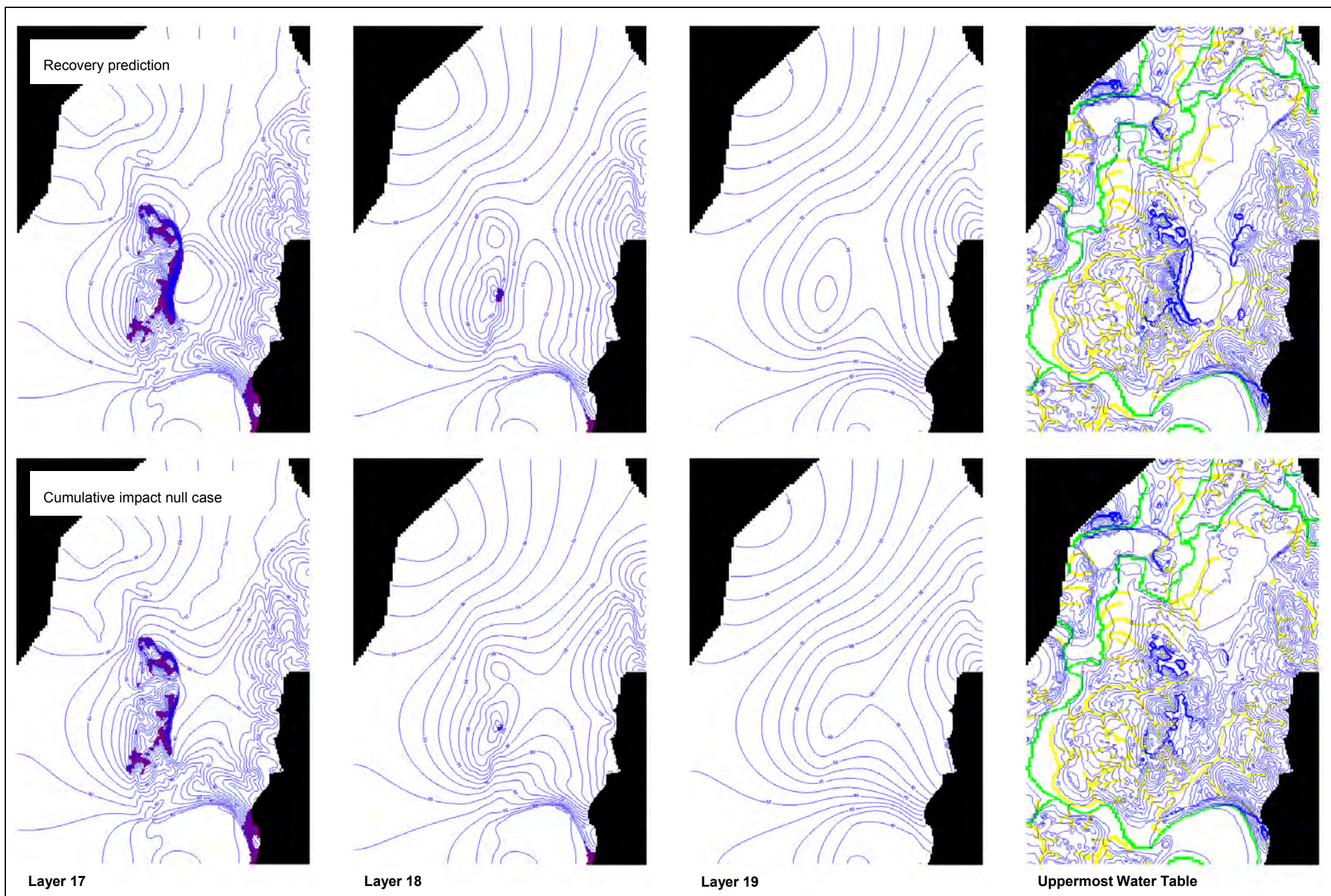
RECOVERY MODEL – MODELLED GROUNDWATER CONTOURS – 2137 FIGURE 8.25.3

c:\jobs\s66d\300\figures\word\projects\015a_d046_figure8-25-3_recoverymodelgroundwaterlevels.docx



RECOVERY MODEL – MODELLED GROUNDWATER CONTOURS – 2137 FIGURE 8.25.4

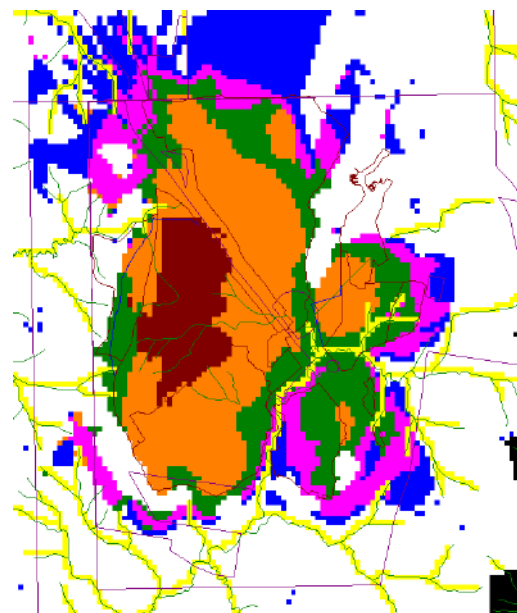
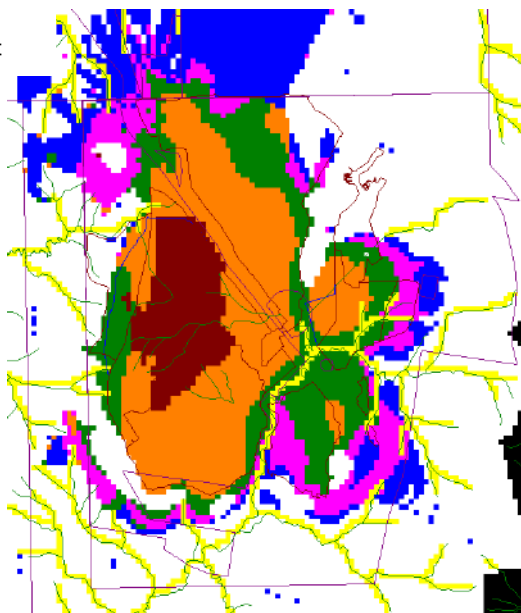
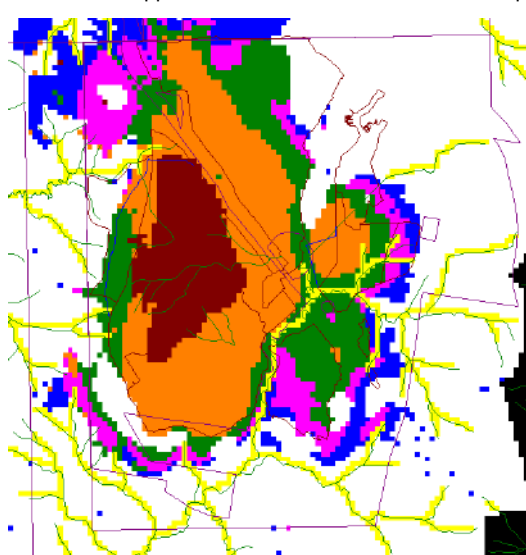
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RECOVERY MODEL – MODELLED GROUNDWATER CONTOURS – 2137 FIGURE 8.25.5

c:\jobs\s66d\300\figures\word\projects\015a_d048_figure8-25-5_recoverymodelgroundwaterlevels.docx

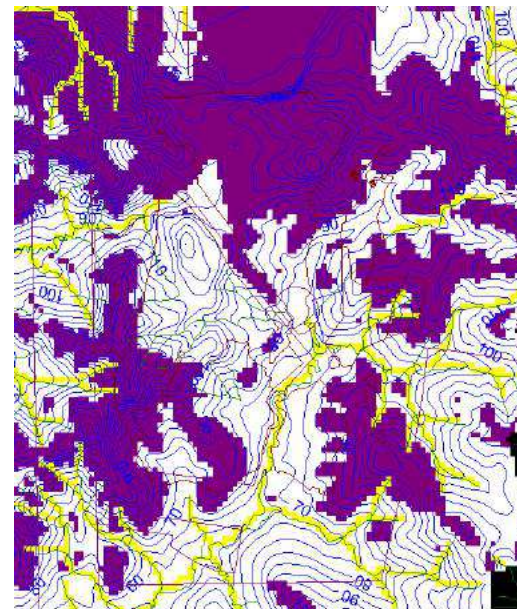
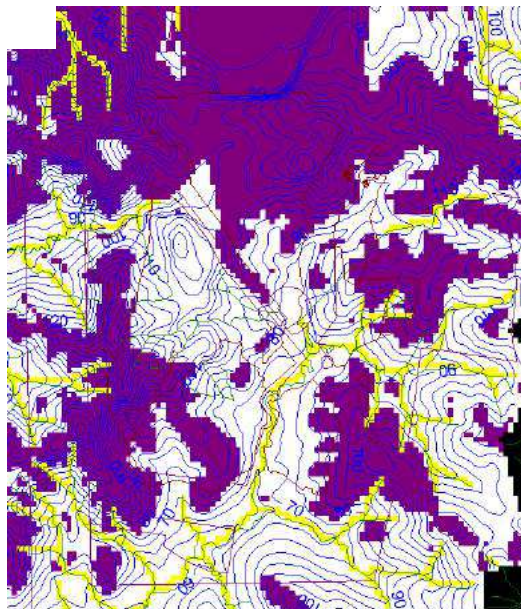
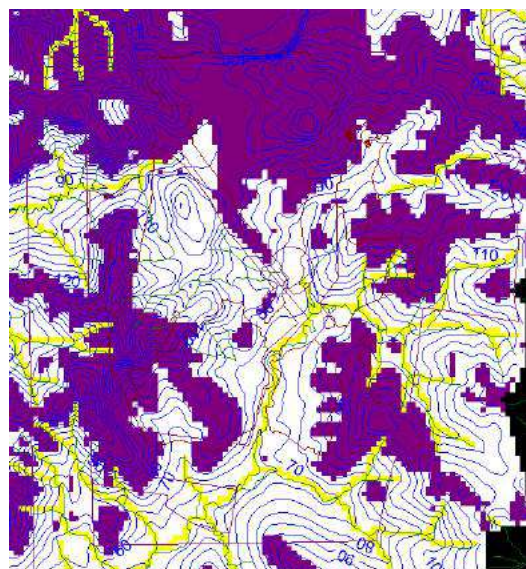
Decline in Uppermost Water Table – Cumulative Impact



Decline (m):

- >50m
- 20 to 50m
- 10 to 20m
- 5 to 10m
- 2 to 5m
- <2m

Uppermost Water Table – Cumulative Impact Null Case



Notes. 1) Dry cells in the lower images, displayed in purple, are with respect to heads from Layer 1; 2) Contours are highest water table, however, not necessarily residing in Layer 1.

2057 (SP42TS6)

2087 (SP52TS8)

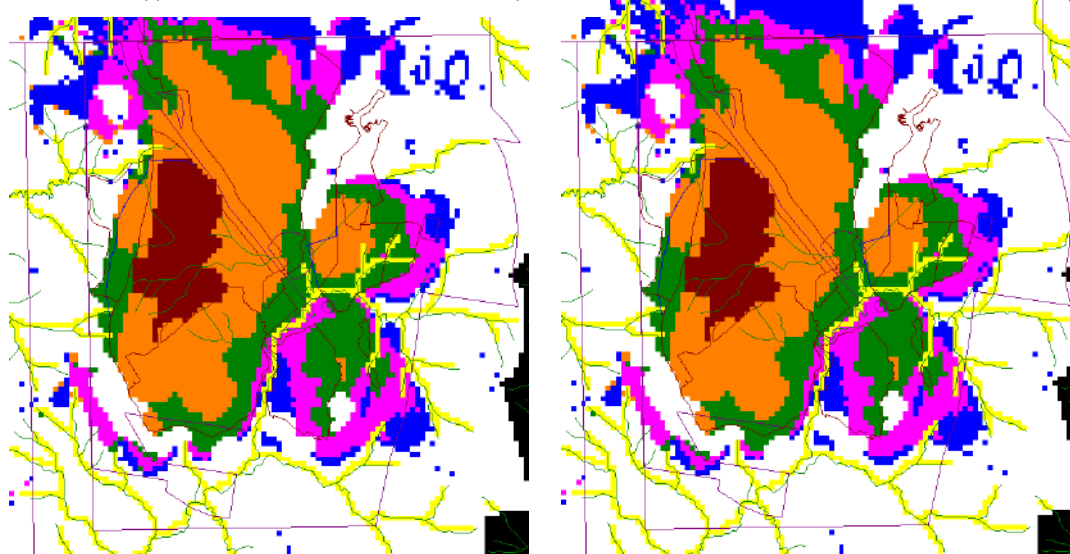
2137 (SP62TS8)

015a_RCV-NUL_01a.gvw

RPS

RECOVERY MODEL – MODELLED DECLINE IN UPPERMOST WATER TABLE – CUMULATIVE IMPACT FIGURE 8.26.1

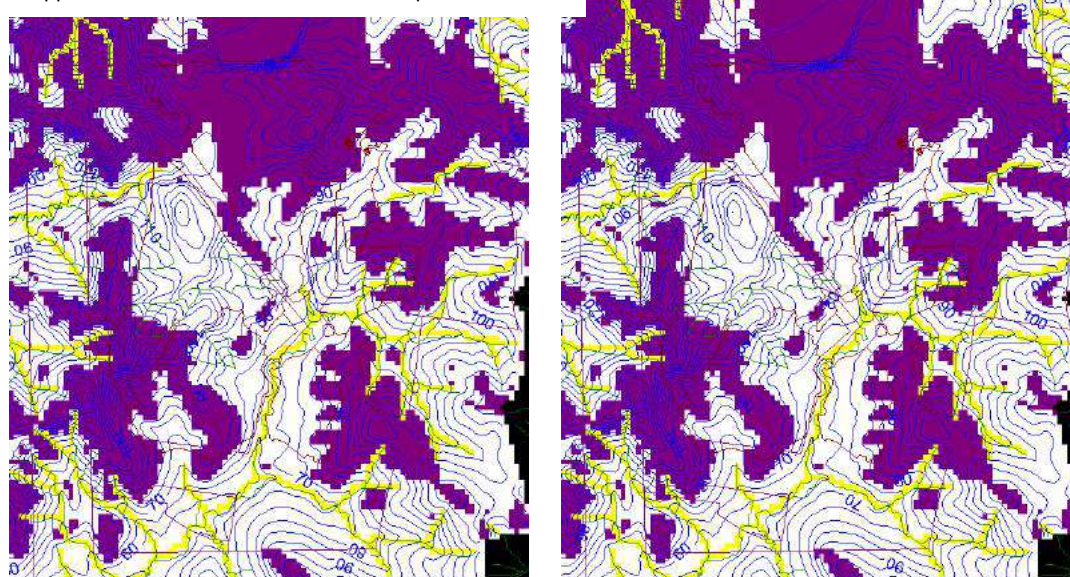
Decline in Uppermost Water Table – Cumulative Impact



Decline (m):



Uppermost Water Table – Cumulative Impact Null Case



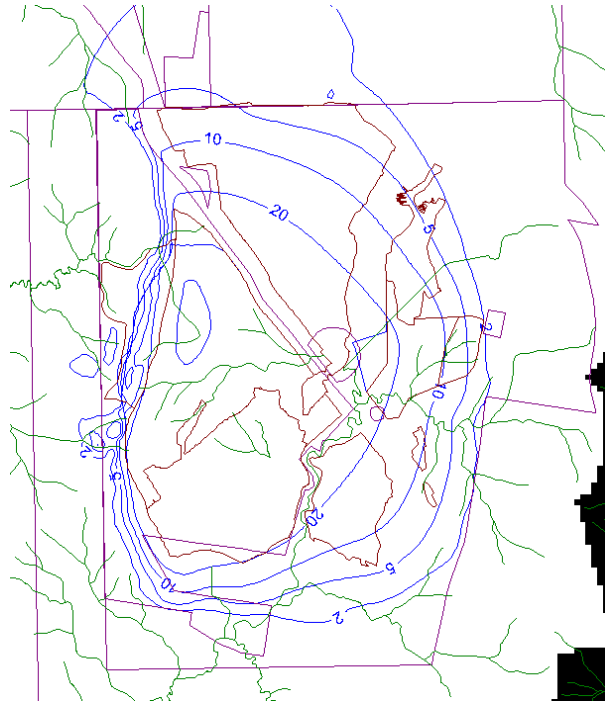
2237 (SP72TS8)

3037 (SP94TS11)

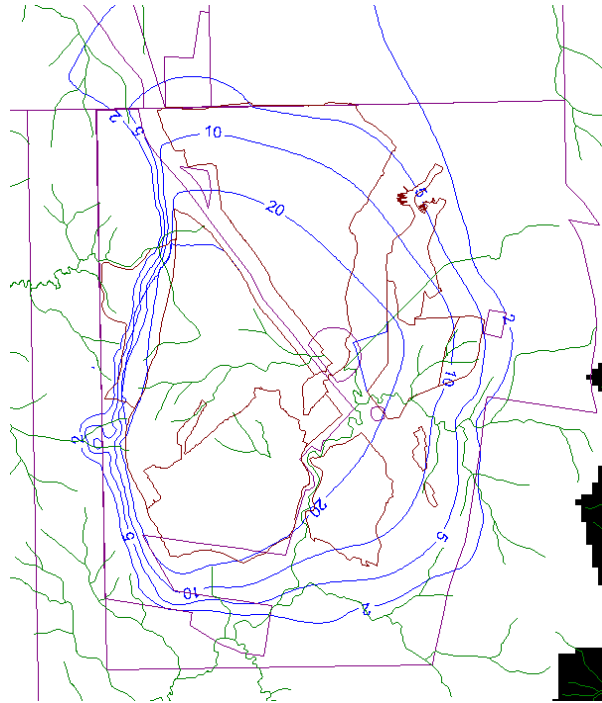
Notes. 1) Dry cells in the lower images, displayed in purple, are with respect to heads from Layer 1; 2) Contours are highest water table, however, not necessarily residing in Layer 1.

015a_RCV-NUL_01a.gvw

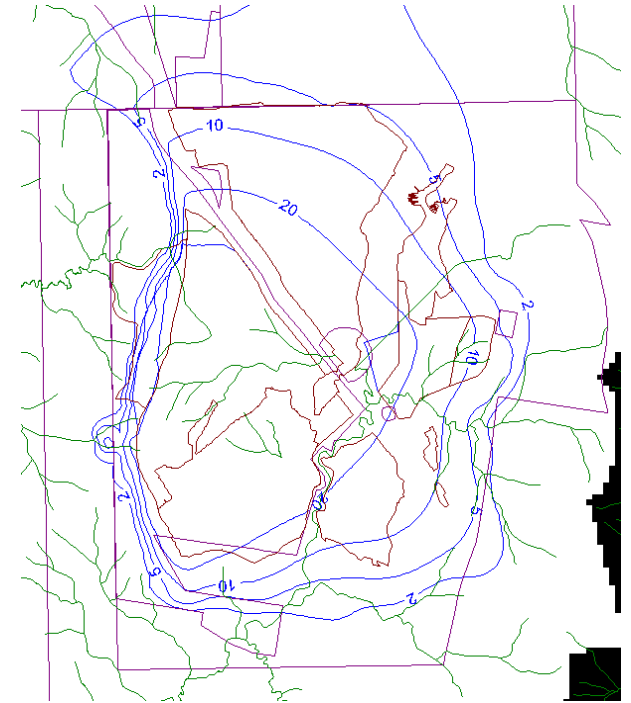
Drawdown due to Cumulative Impact



2057 (SP42TS6)



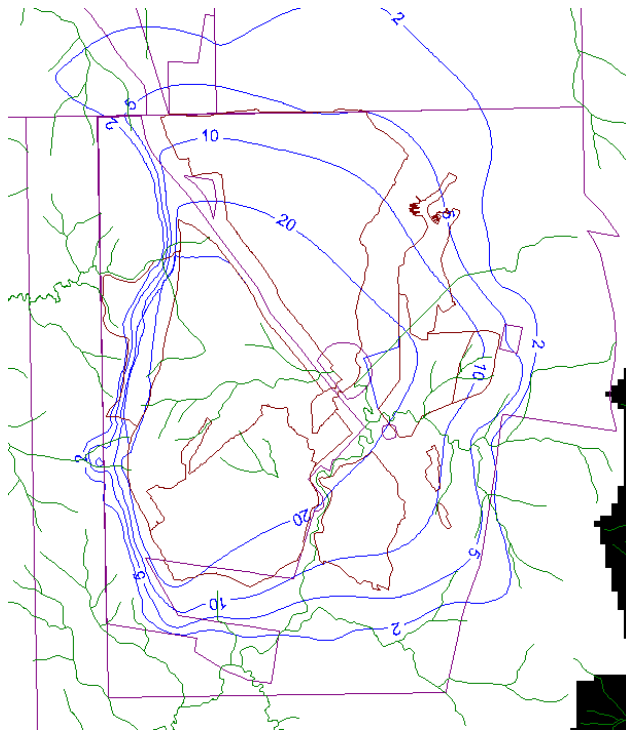
2087 (SP52TS8)



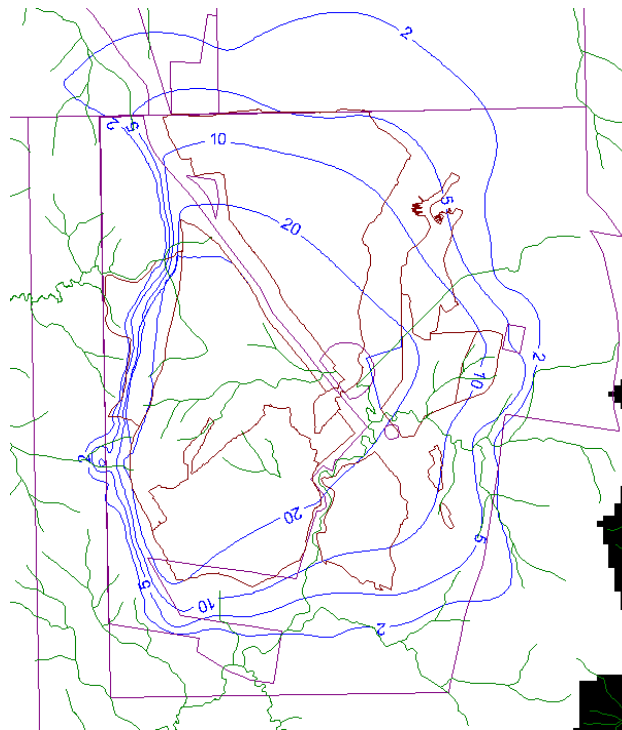
2137 (SP62TS8)

015a_RCV-NUL_01a.gww

Drawdown due to Cumulative Impact

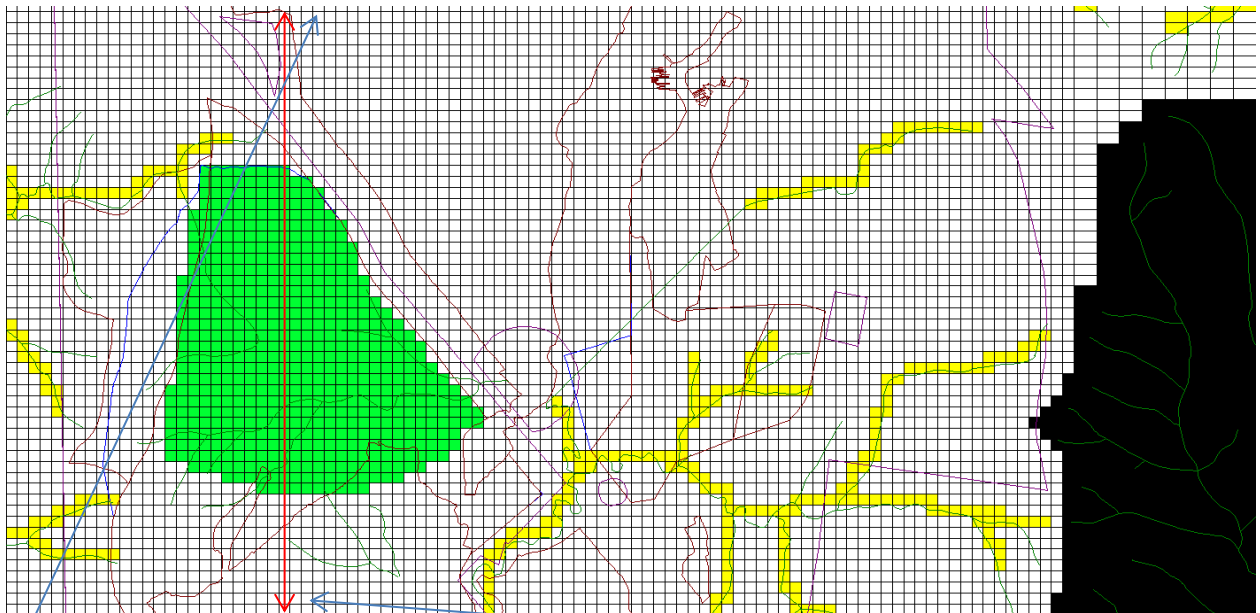


2237 (SP72TS8)



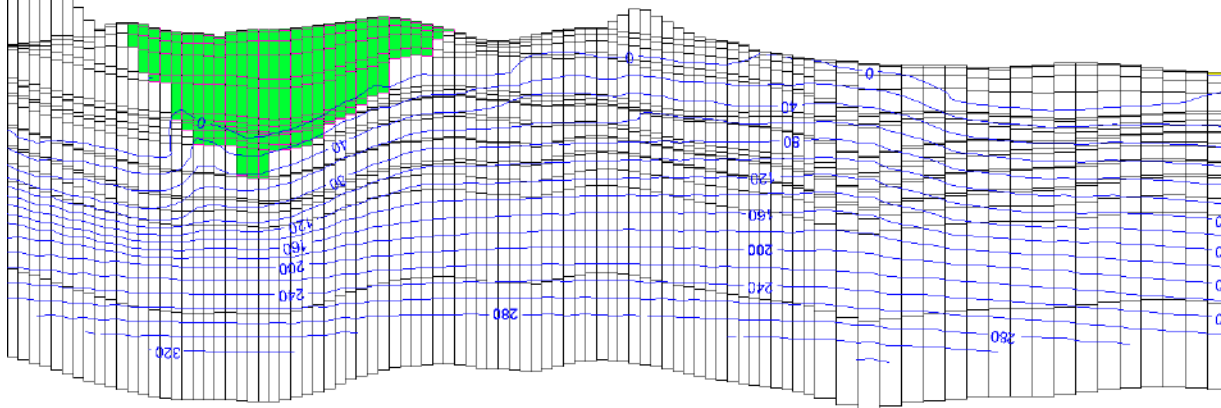
3037 (SP94TS11)

015a_RCV-NUL_01a.gww

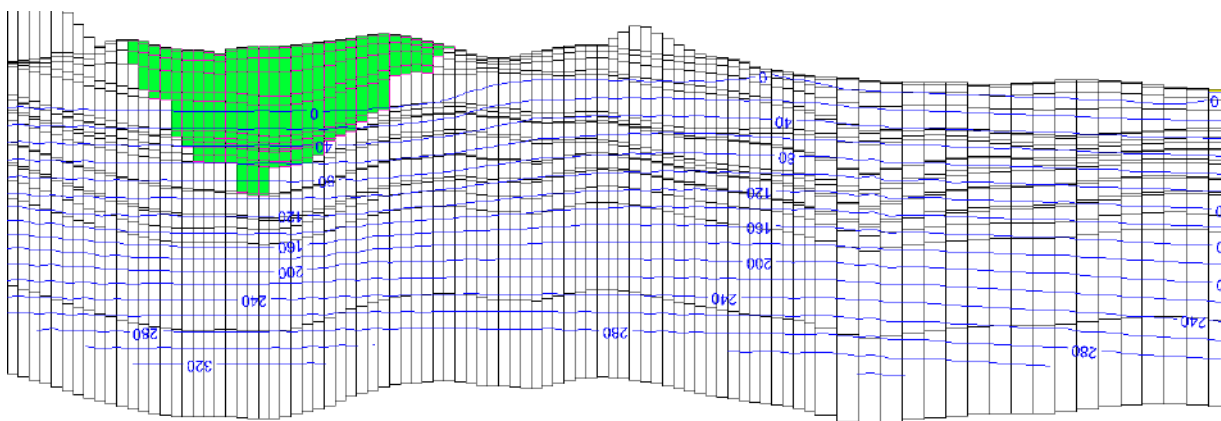


Top of Row 88; 6,402,250mN

Bottom of Row 141; 6,399,550mN



2037 (SP1TS17)



2057 (SP42TS6)

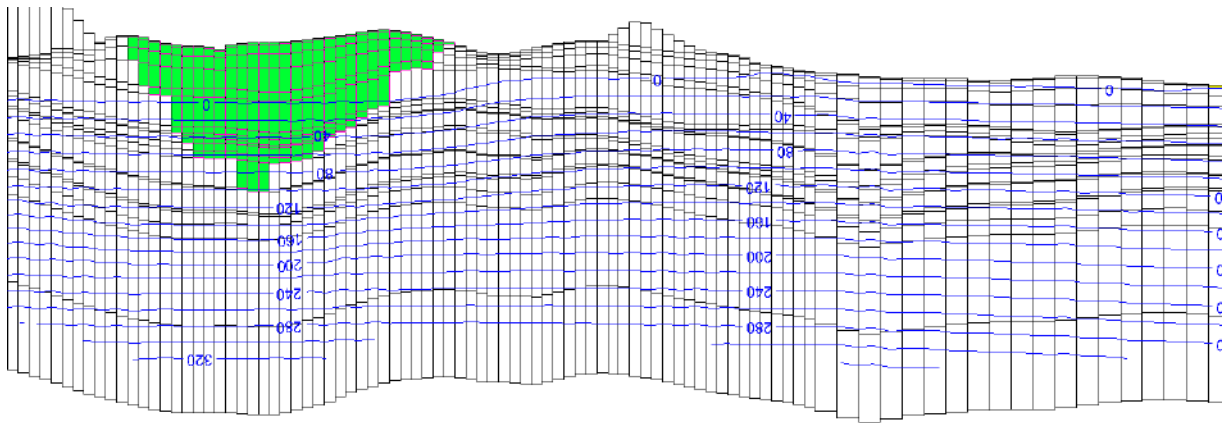
VERTICAL EXAGGERATION 1:4

015a_RCV-MP1_05a.gww

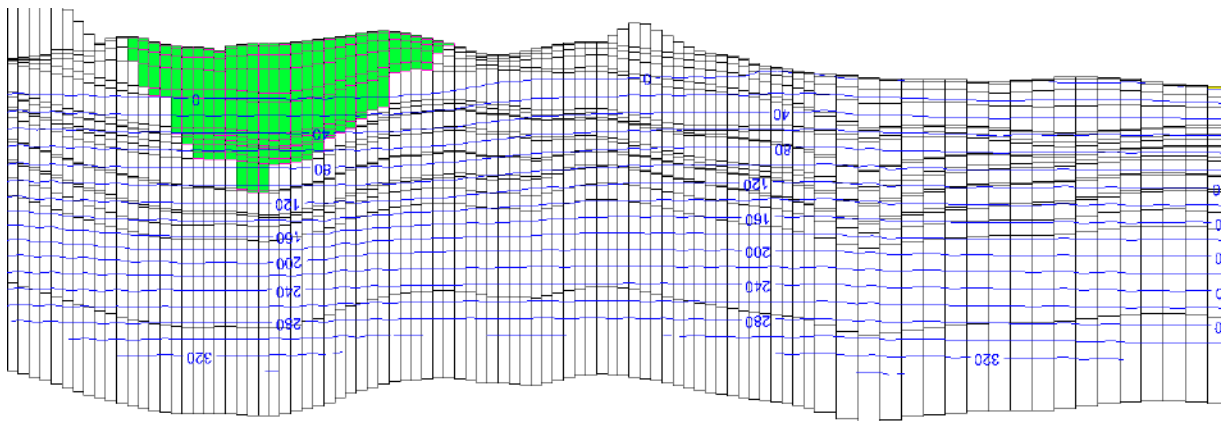


RECOVERY MODEL – PRESSURE HEAD DISTRIBUTION (COL 88) FIGURE 8.27.1

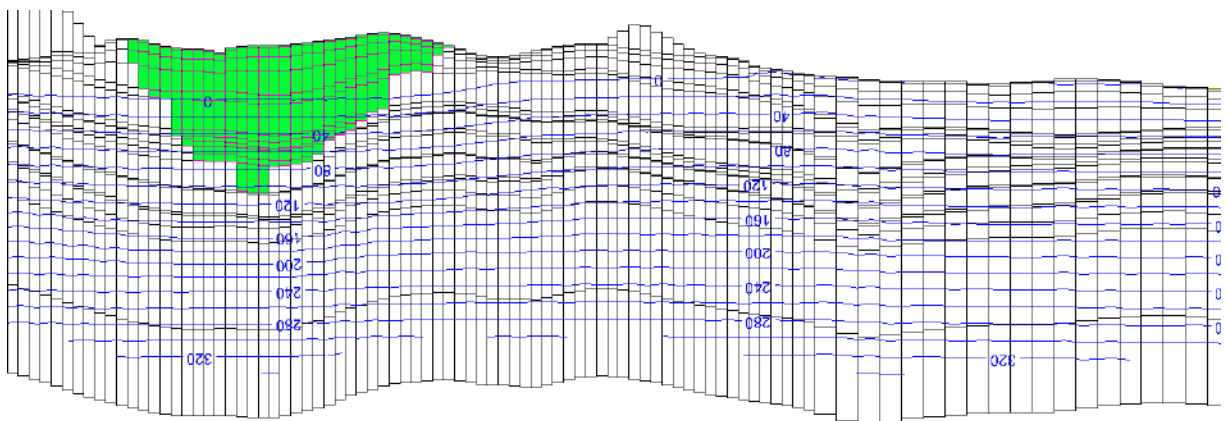
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2087 (SP52TS8)



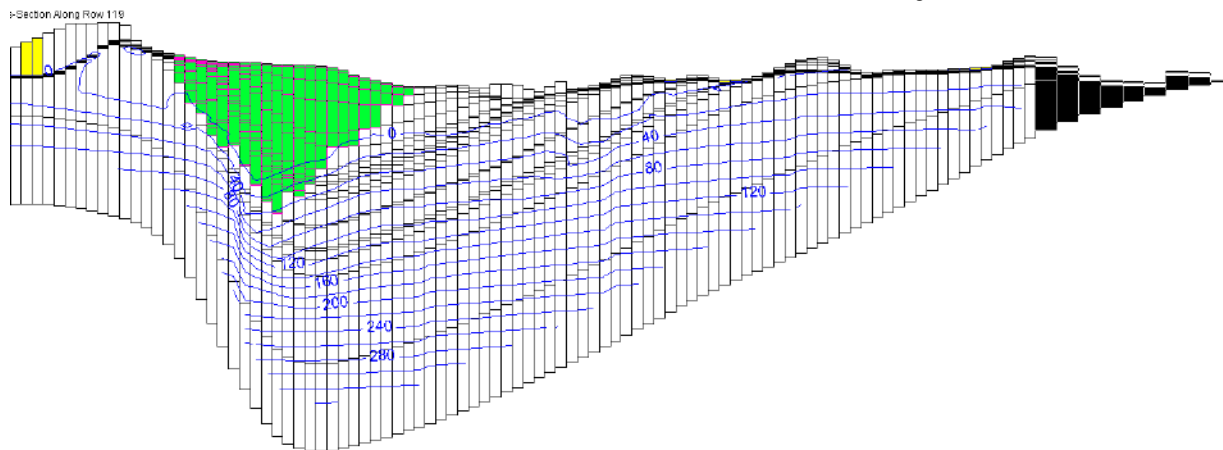
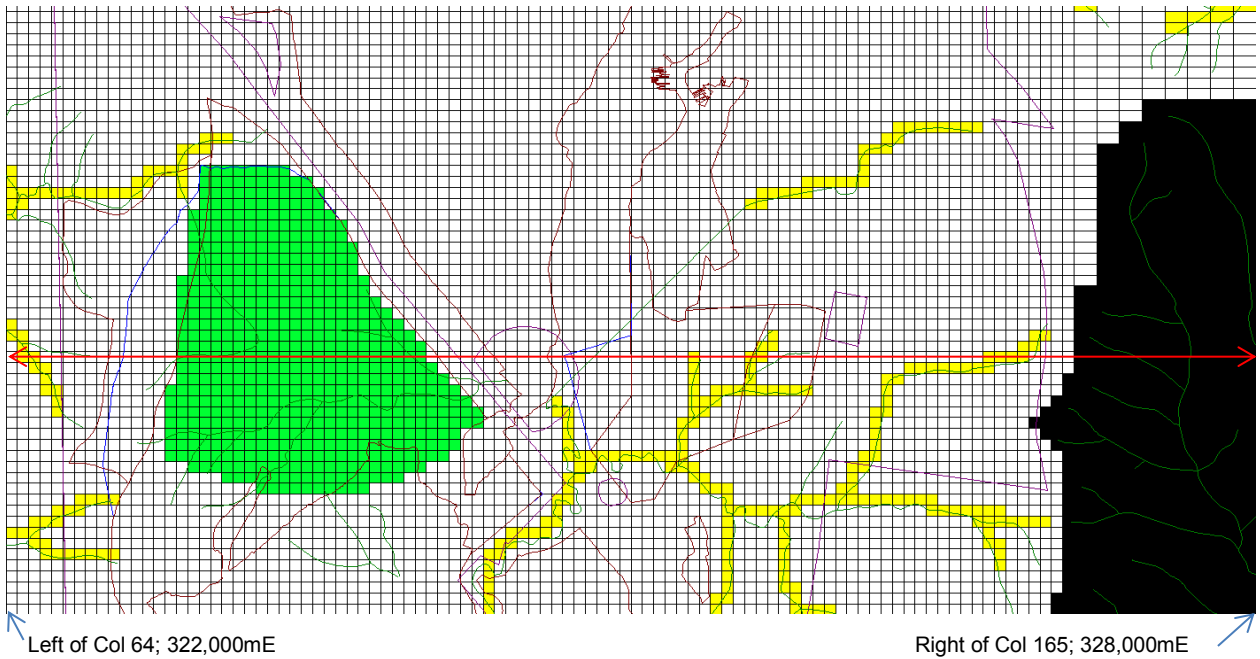
2237 (SP72TS8)



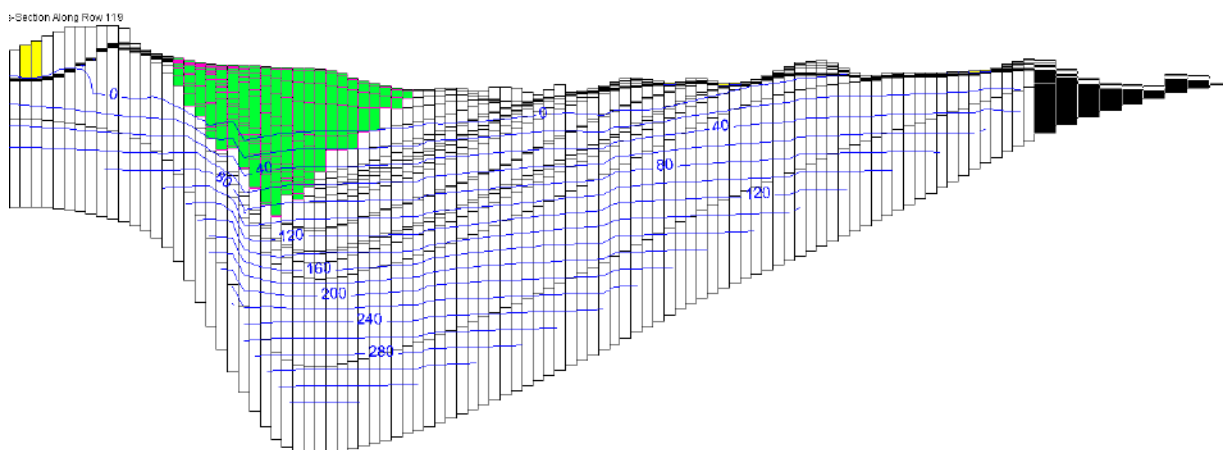
3037 (SP94TS11)

VERTICAL EXAGGERATION 1:4

015a_RCV-MP1_05a.gww



2037 (SP1TS17)



2057 (SP42TS6)

VERTICAL EXAGGERATION 1:4

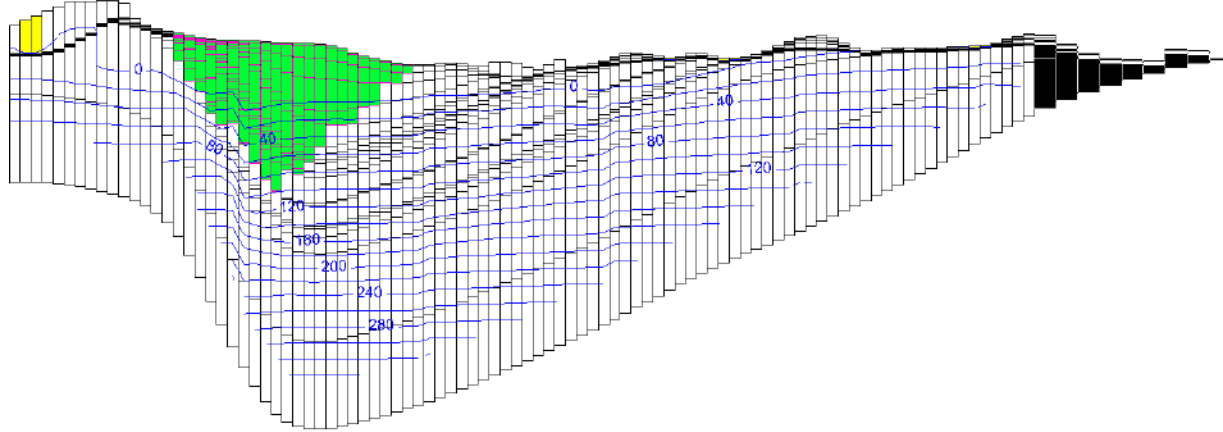
015a_RCV-MP1_05a.gvw



RECOVERY MODEL – PRESSURE HEAD DISTRIBUTION (ROW119) FIGURE 8.28.1

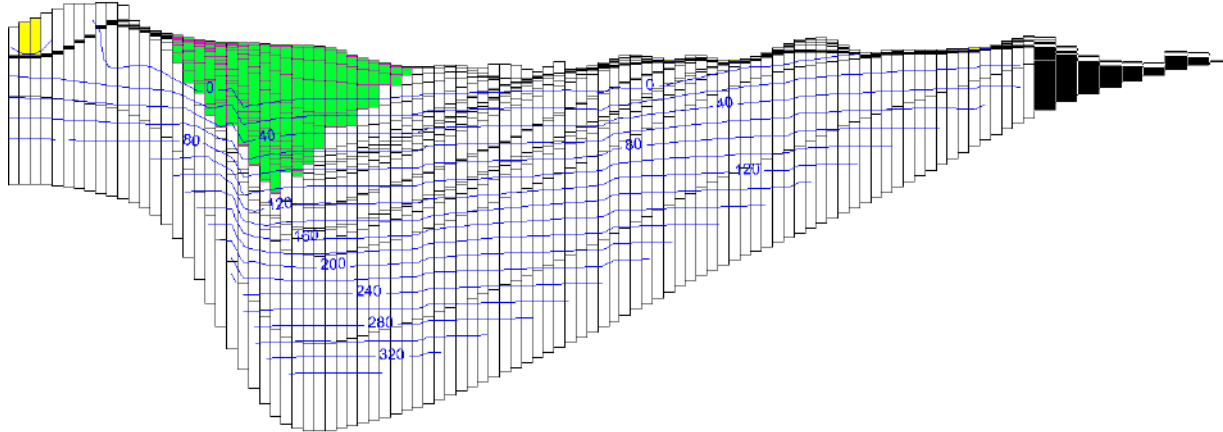
c:\jobs\66d\300\figures\word\projects\015a_d055_figure8-28-1_pressureheaddistributionthroughfinalvoid.docx

Section Along Row 119



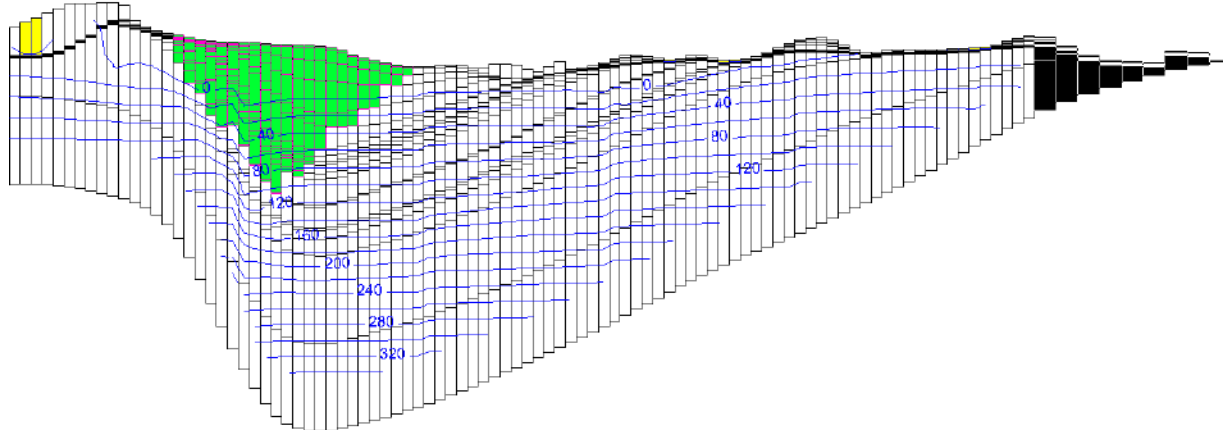
2087 (SP52TS8)

Section Along Row 119



2237 (SP72TS8)

Section Along Row 119



3037 (SP94TS11)

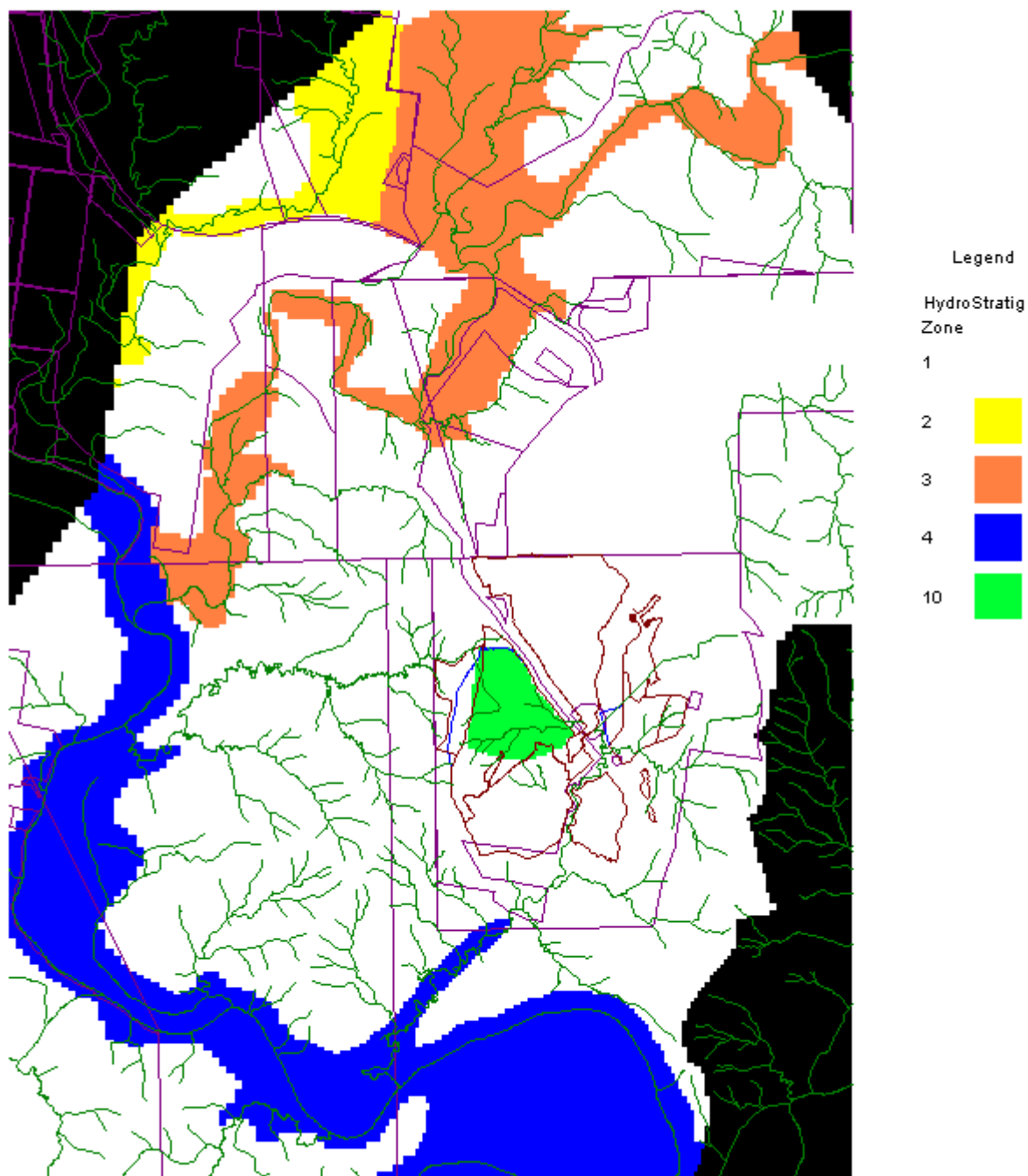
VERTICAL EXAGGERATION 1:4

015a_RCV-MP1_05a.gvw

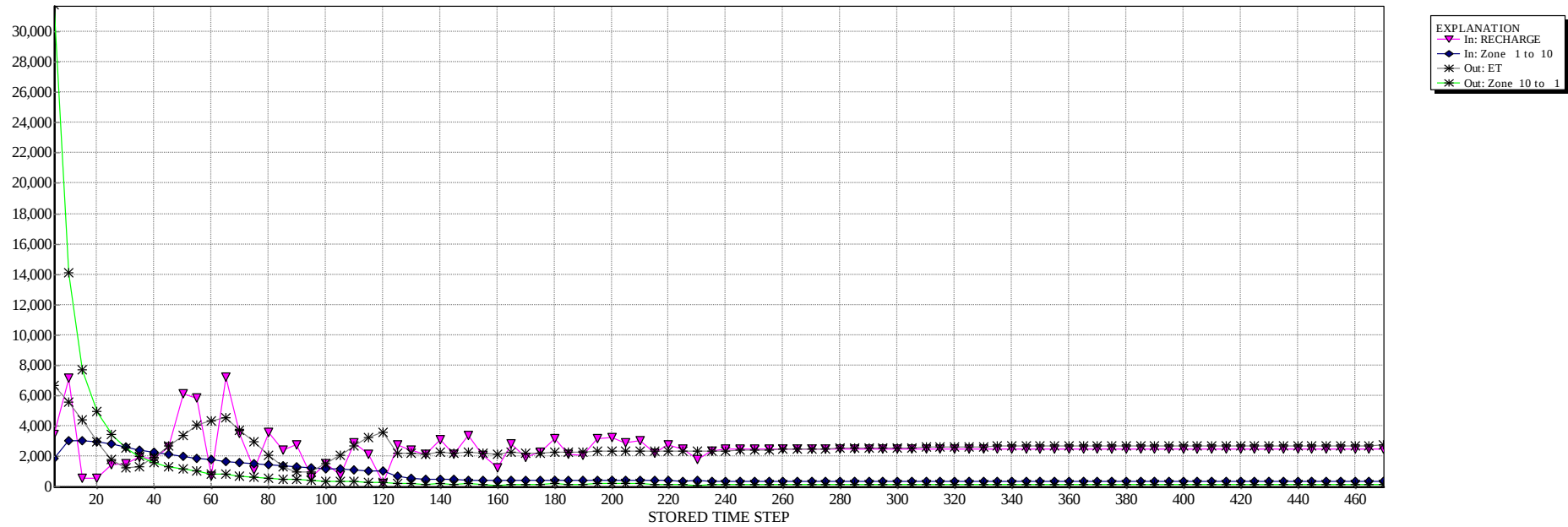


RECOVERY MODEL – PRESSURE HEAD DISTRIBUTION (ROW119) FIGURE 8.28.2

c:\jobs\66d\300\figures\word\projects\015a_d056_figure8-28-2_pressureheaddistributionthroughfinalvoid.docx

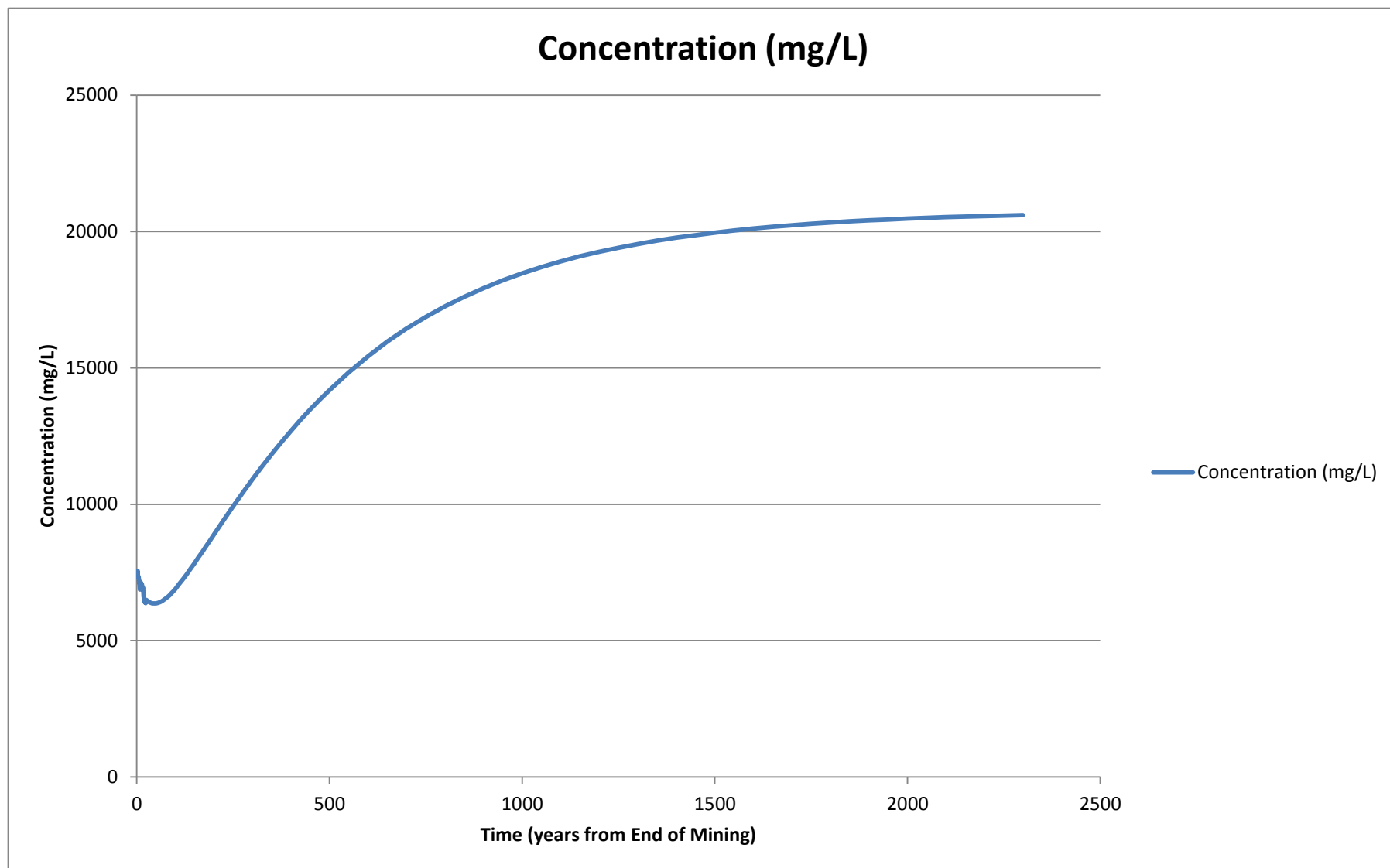


Time Series: Zone 10



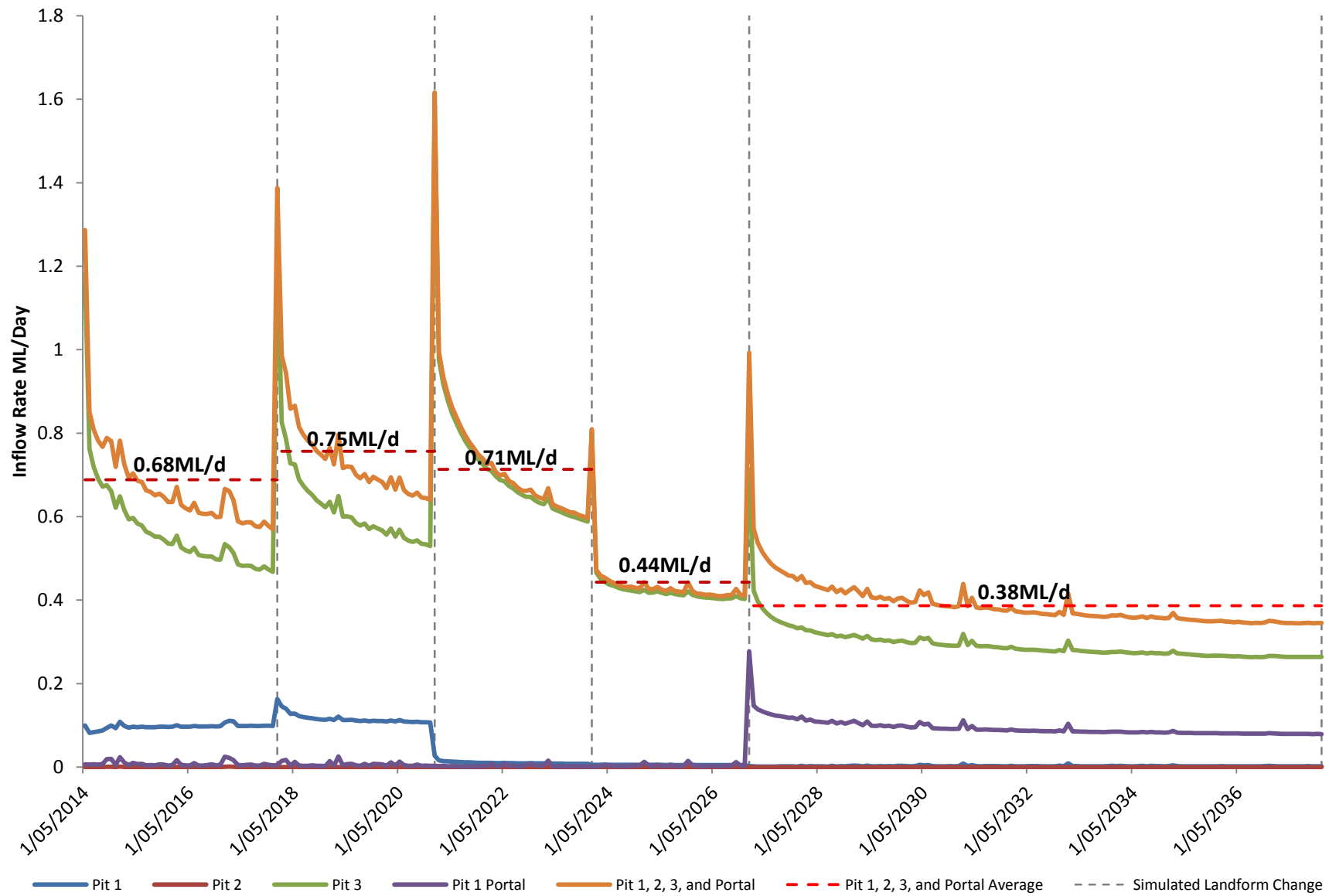
Notes. Zone 10 = Final Void; Zone 1 = Hard-Rock, Backfill

015a_RCV-MP1_05a.gww



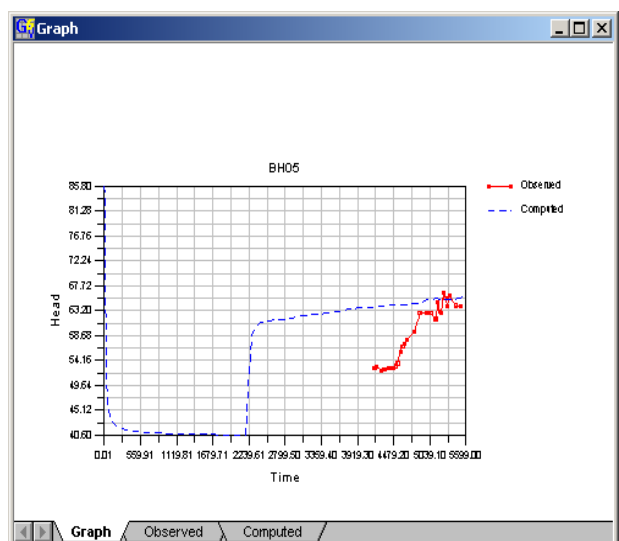
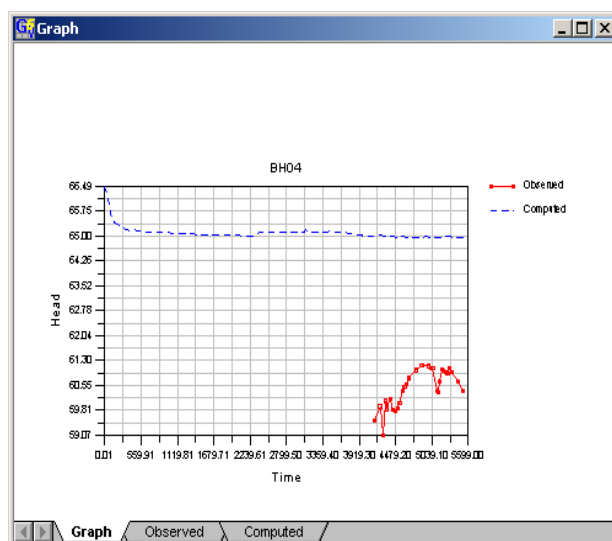
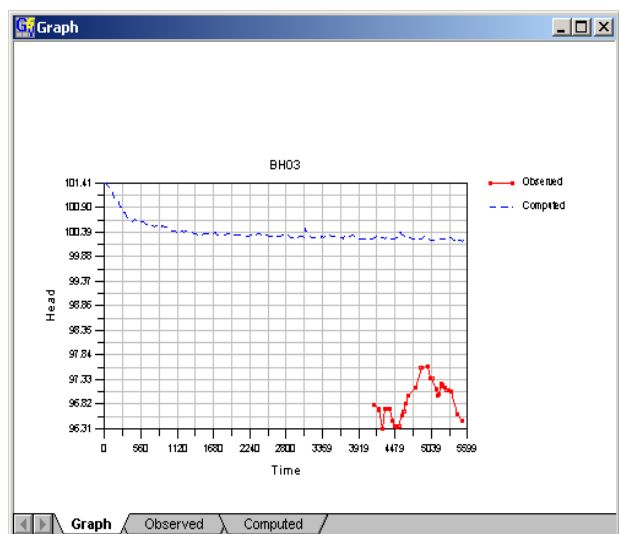
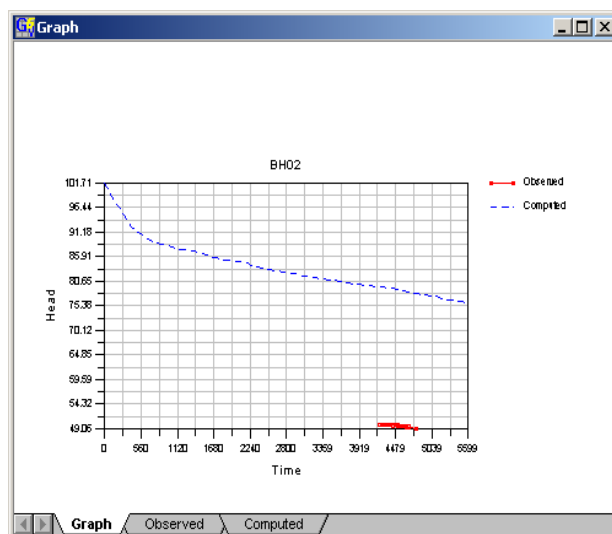
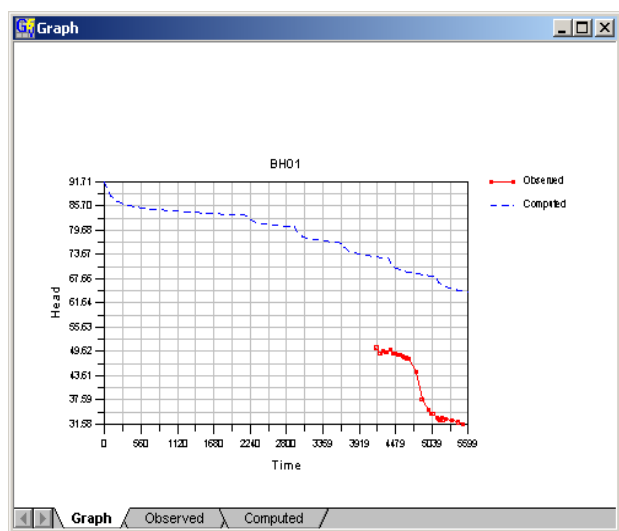
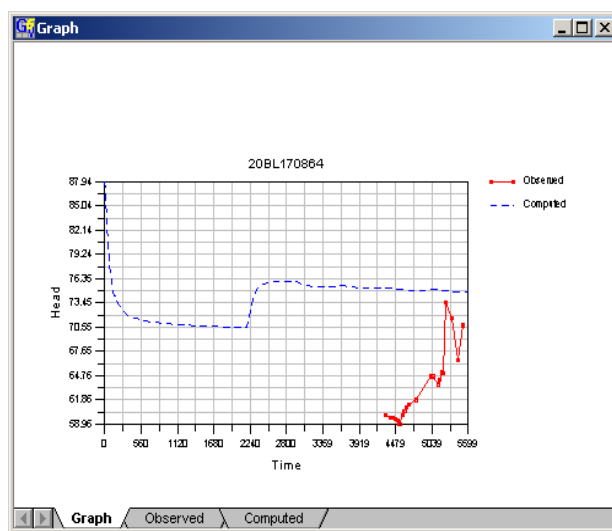
Notes. Assumed Pit Inflow Concentration is 7,370mg/L (11,000 μ S/cm)

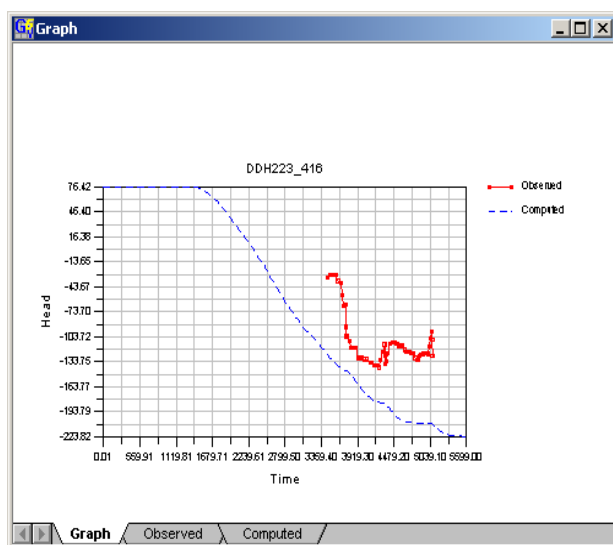
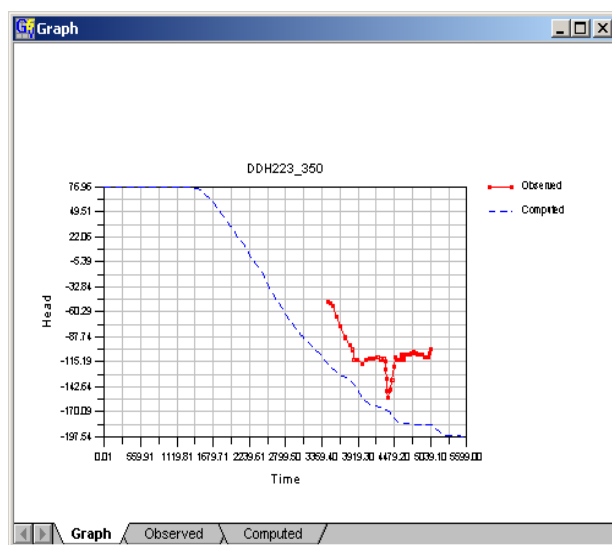
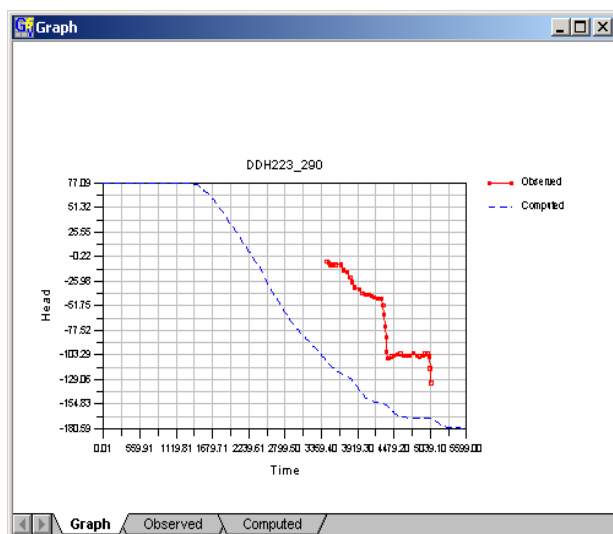
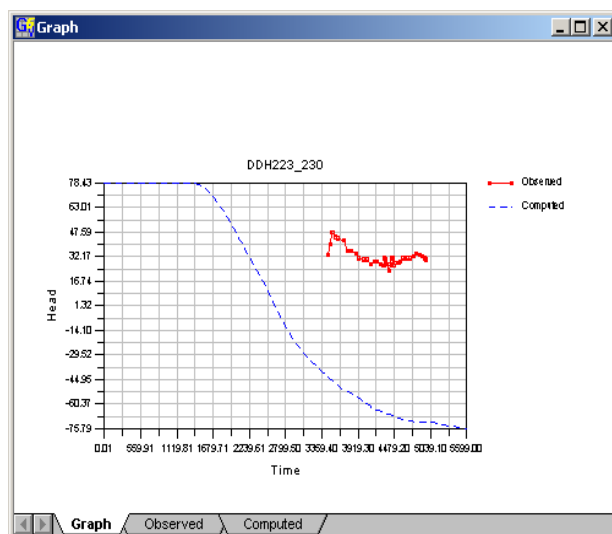
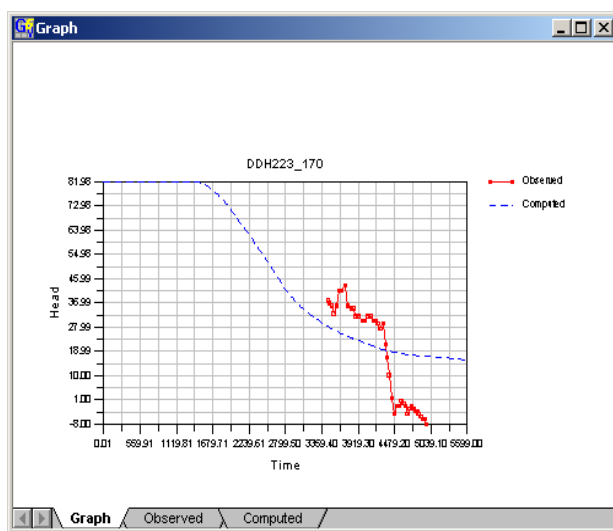
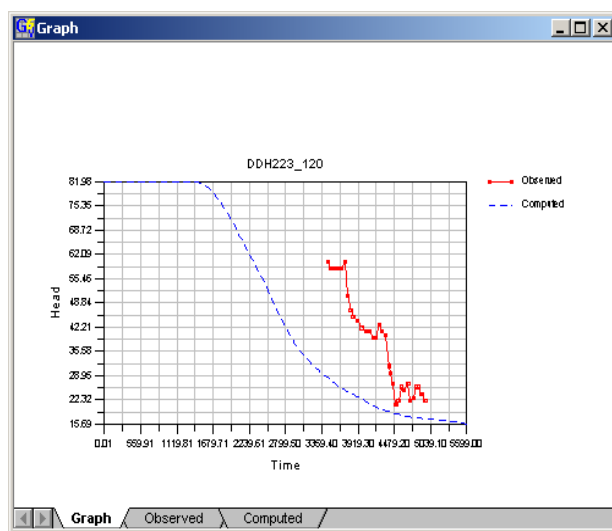
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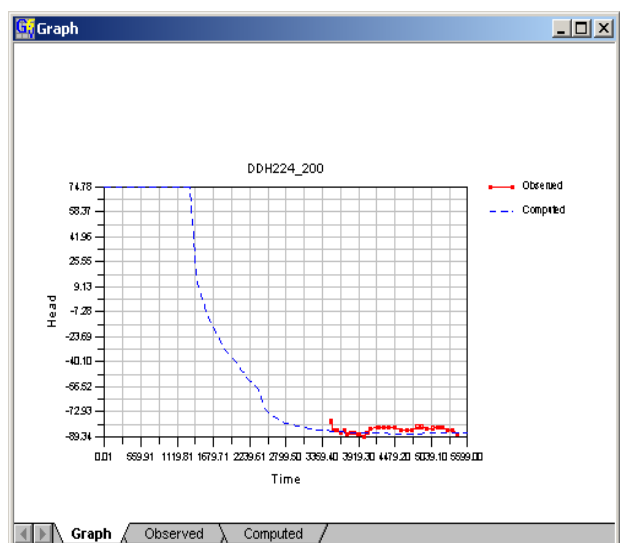
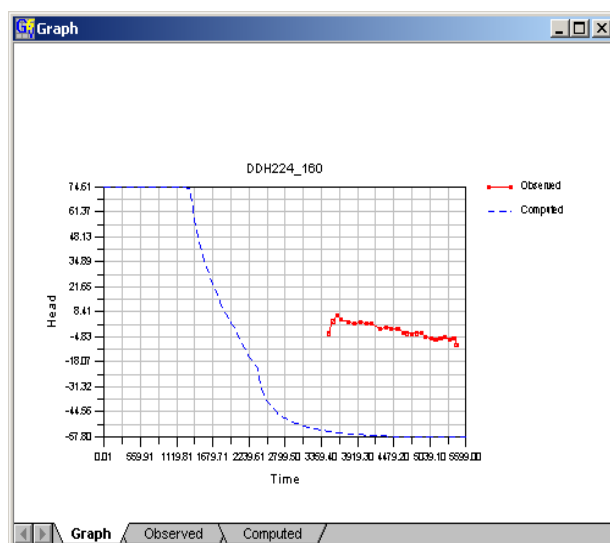
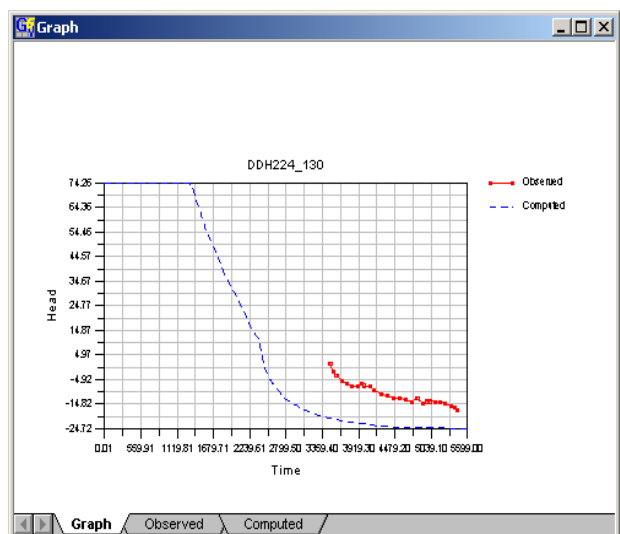
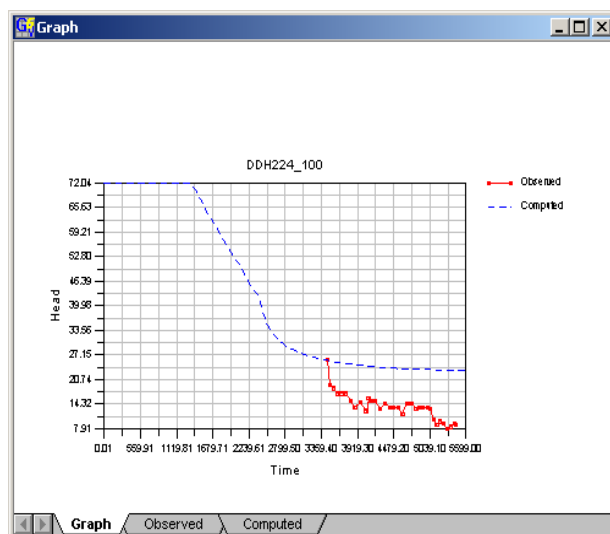
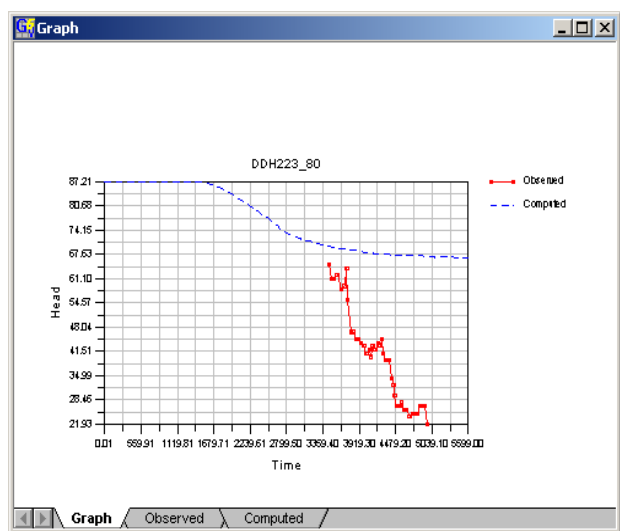
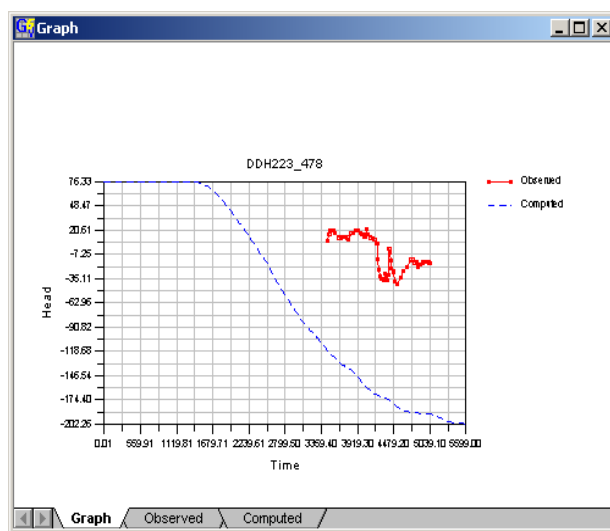


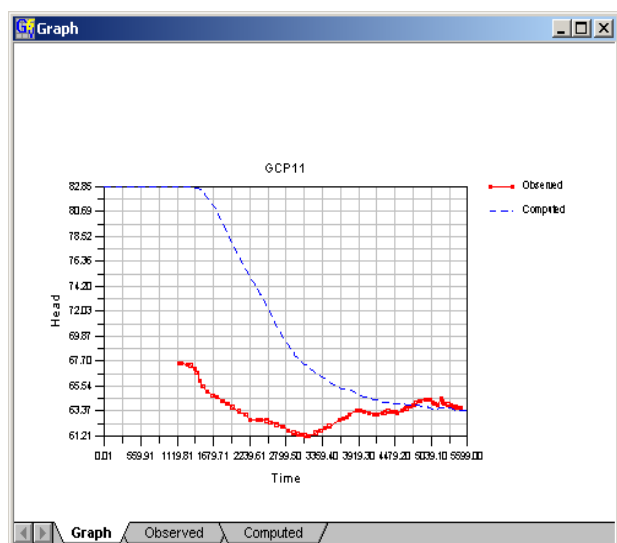
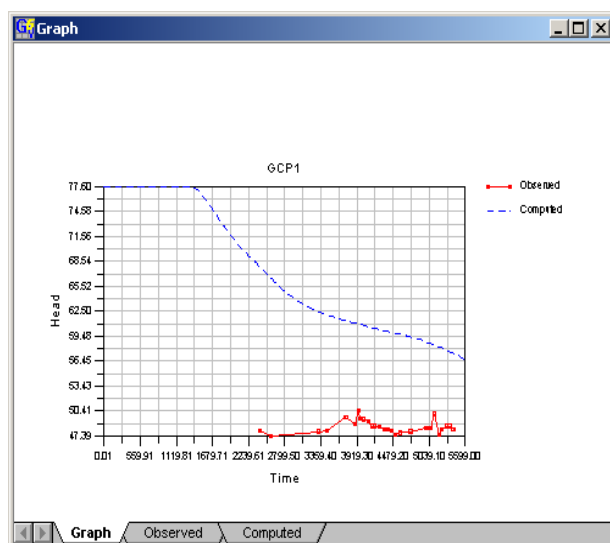
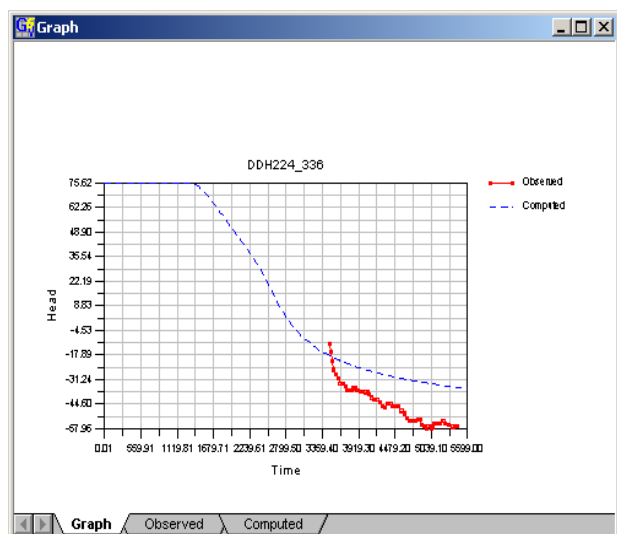
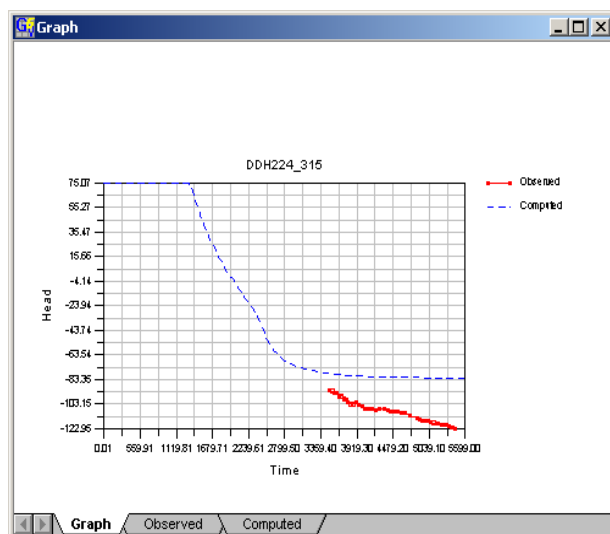
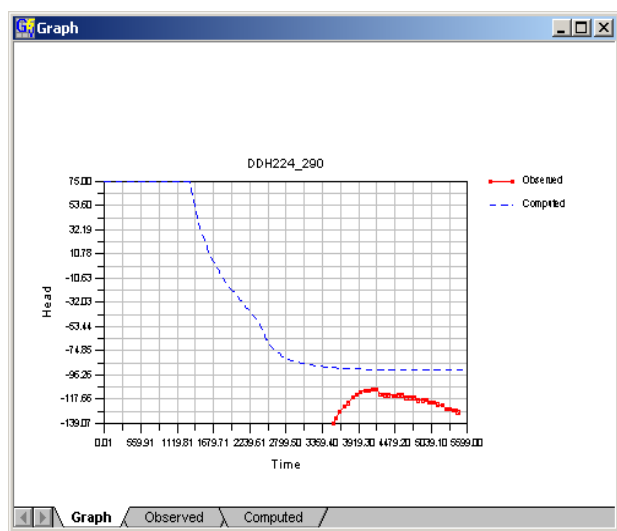
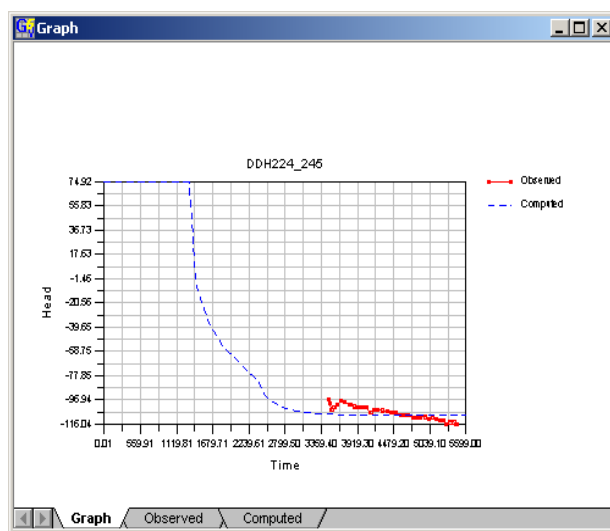
Predicted Mine Inflows - Figure 9.1

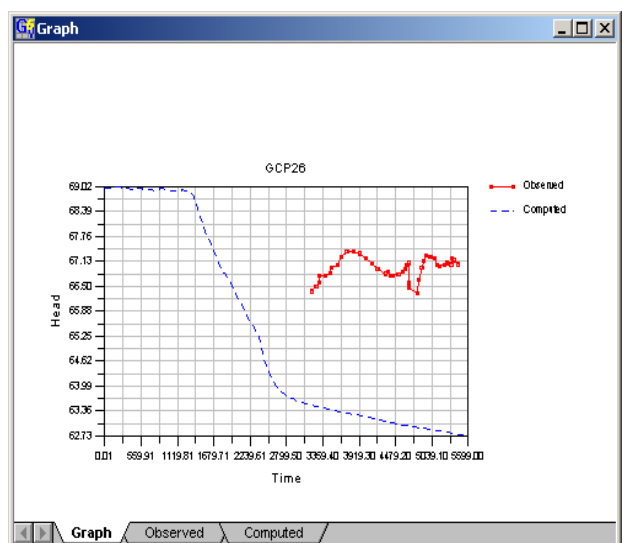
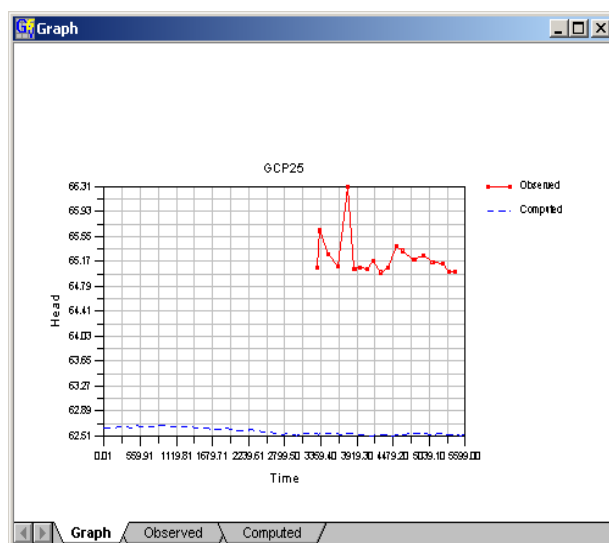
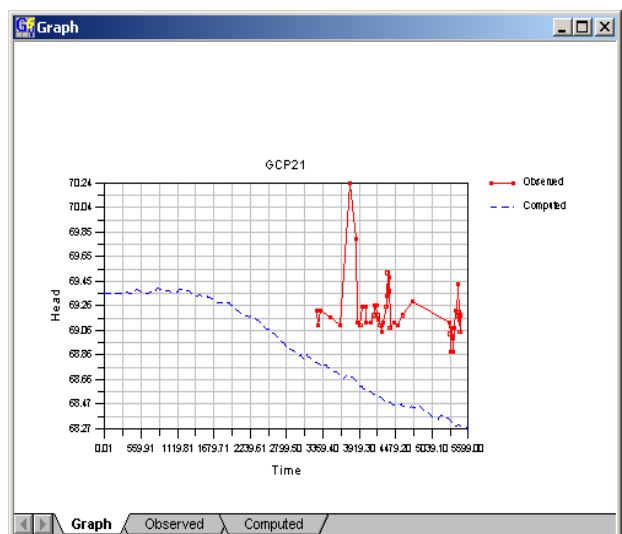
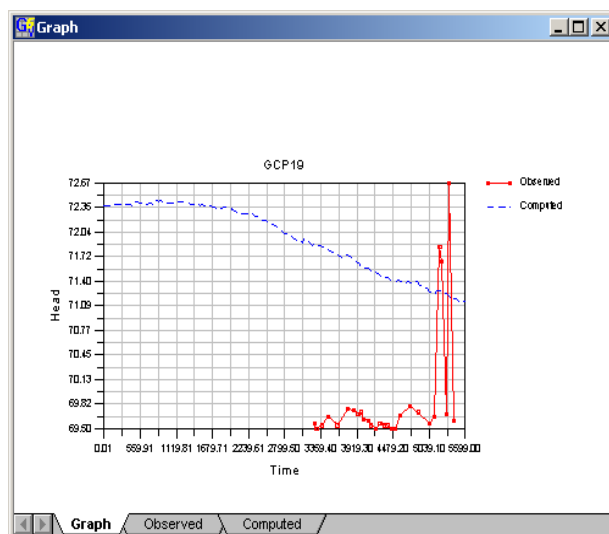
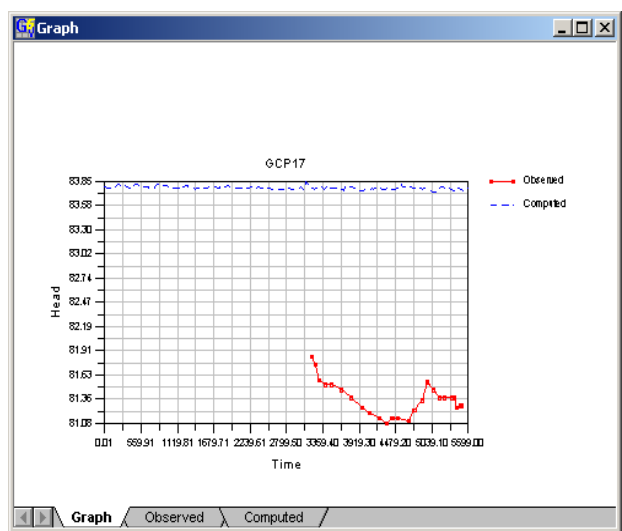
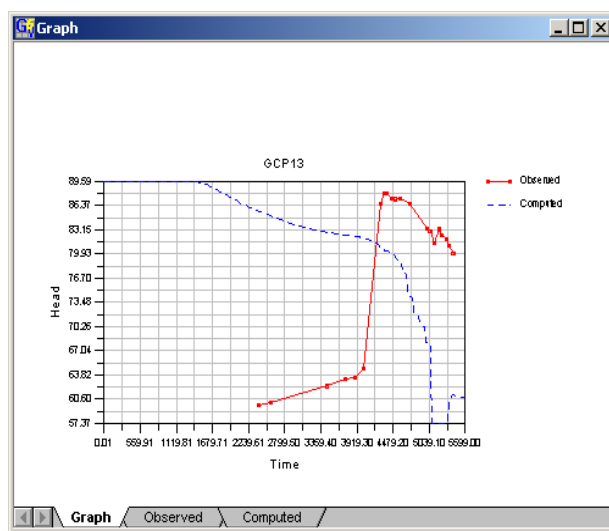
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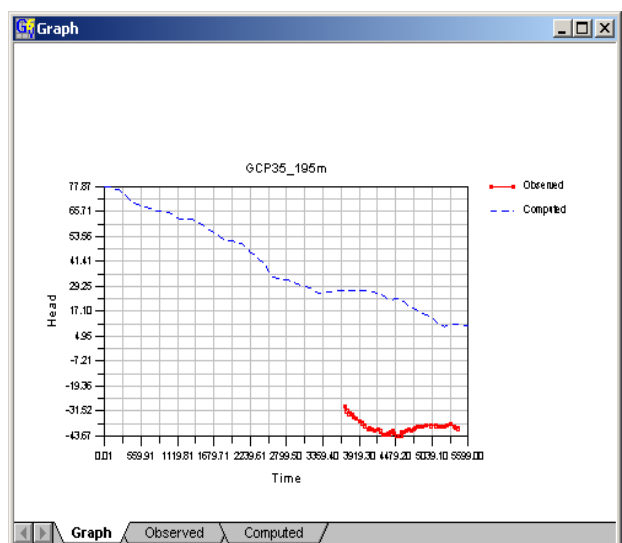
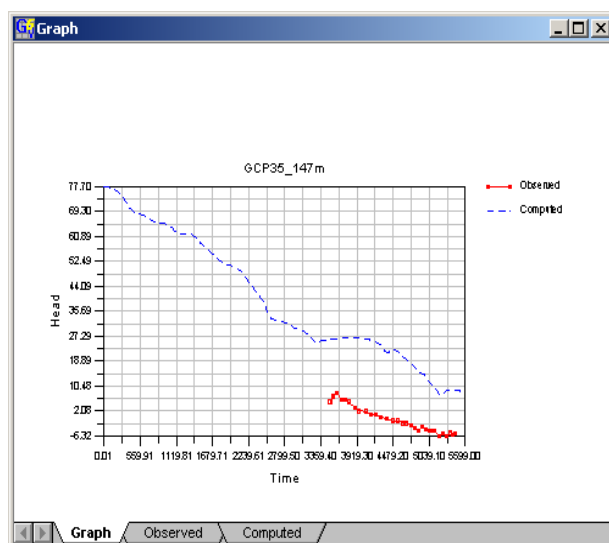
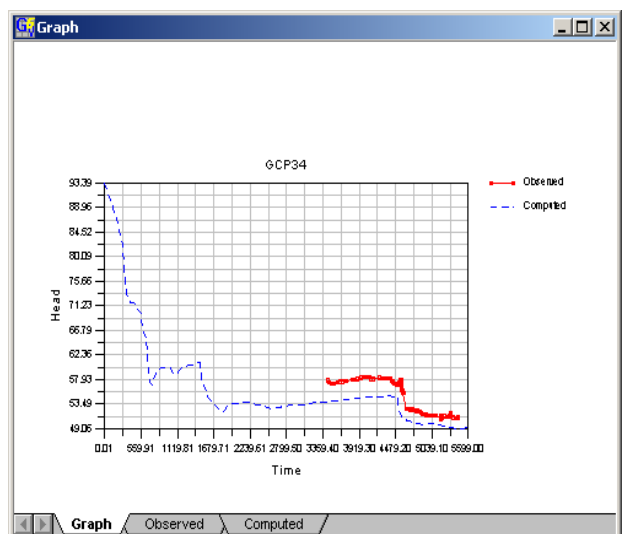
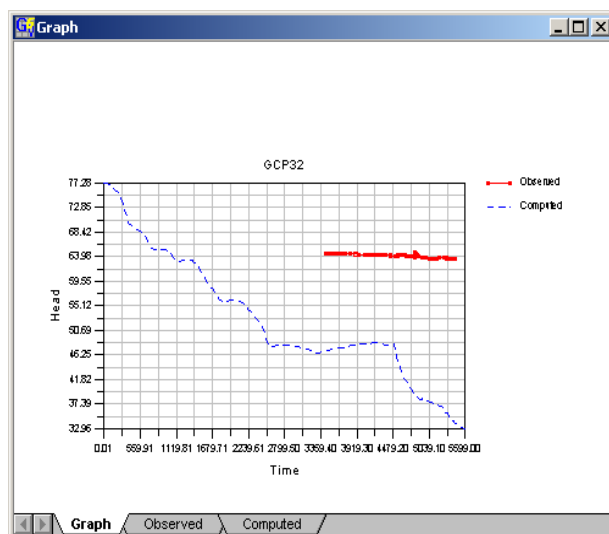
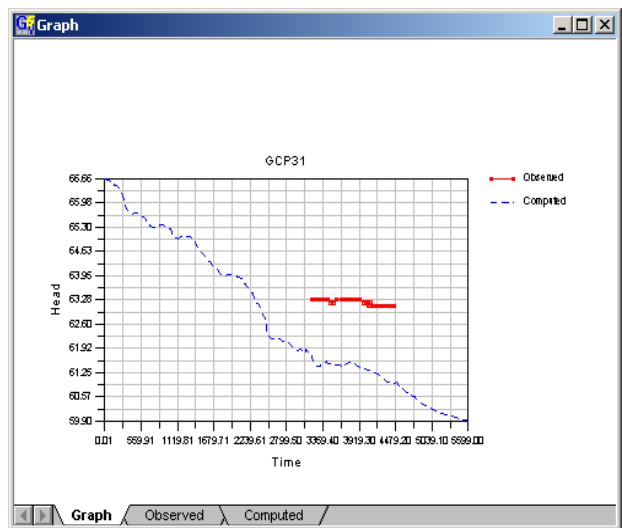
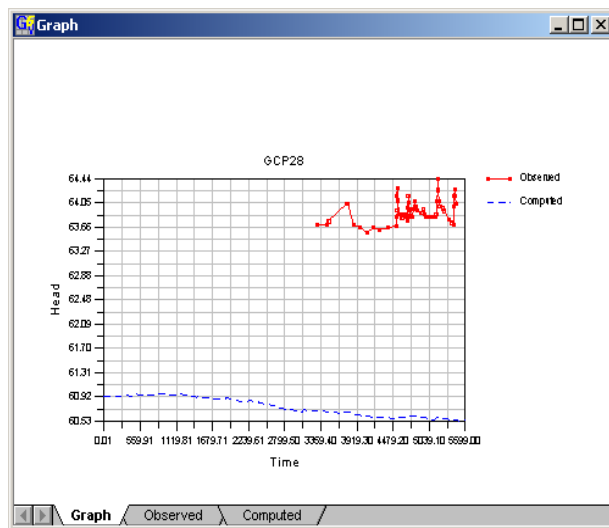


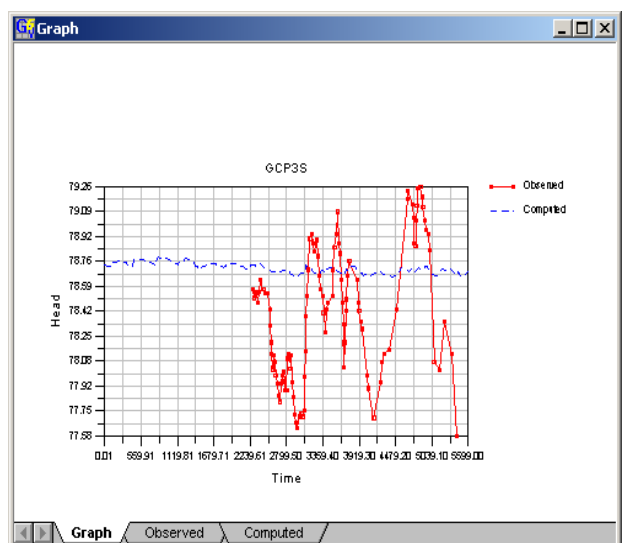
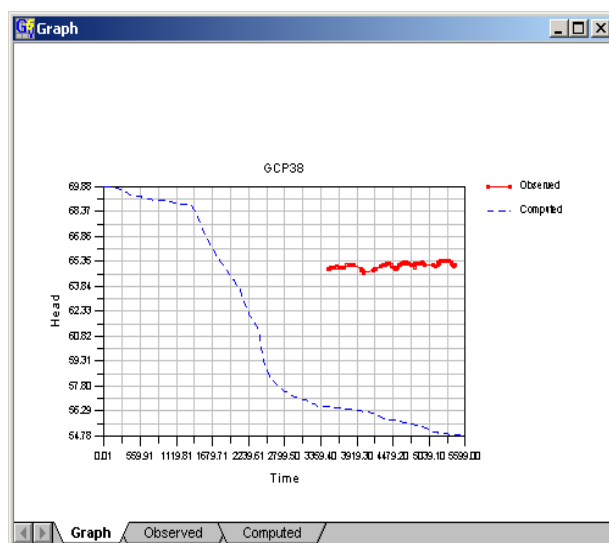
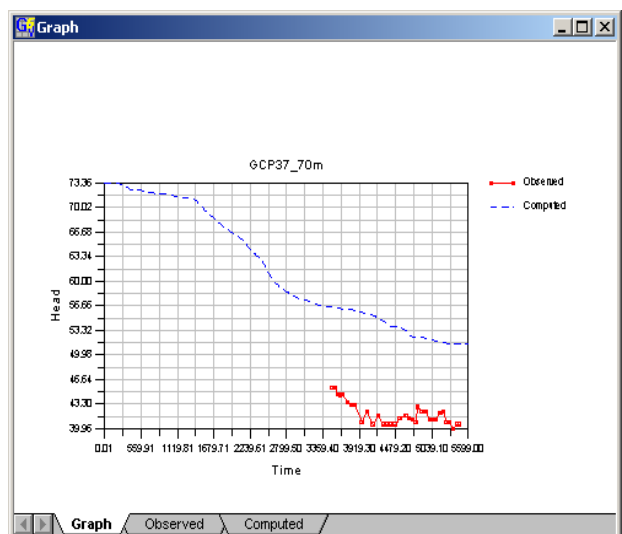
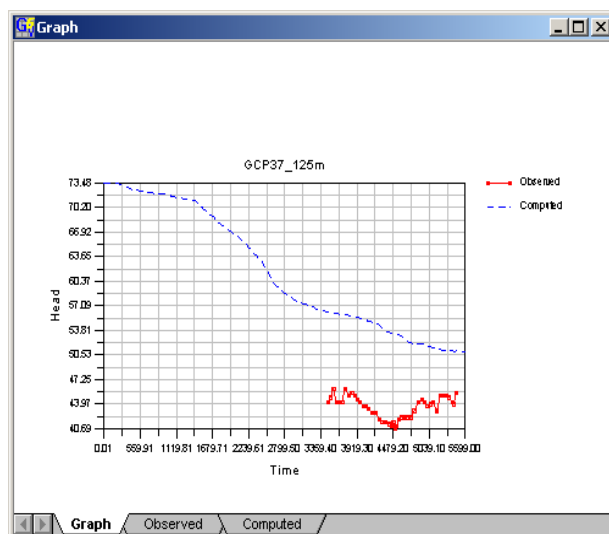
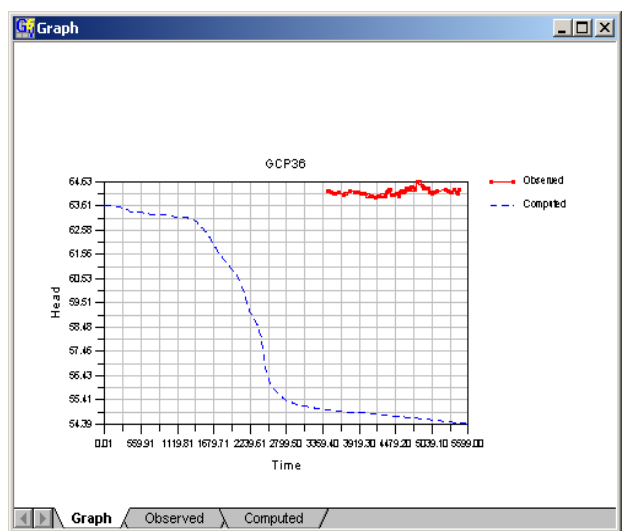
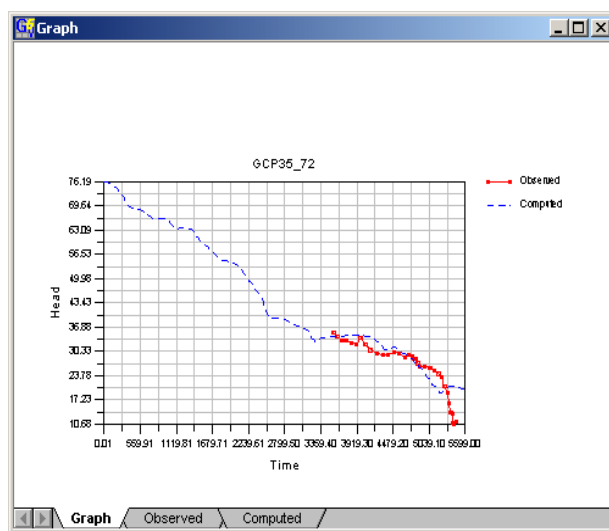


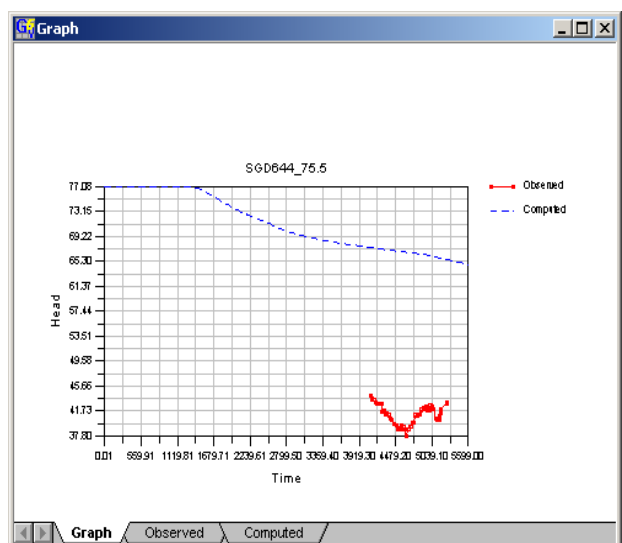
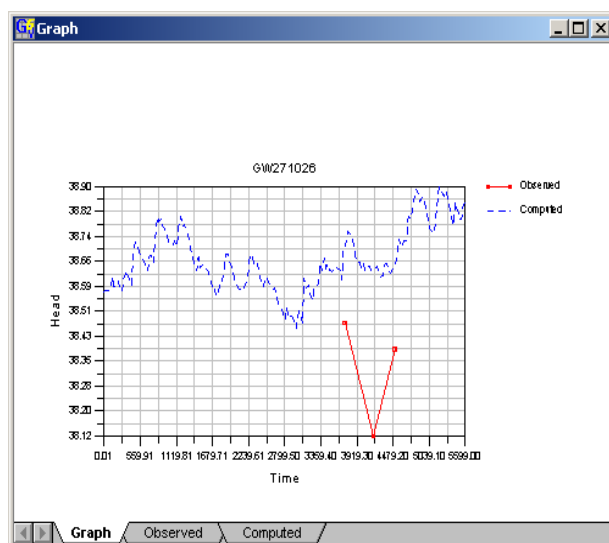
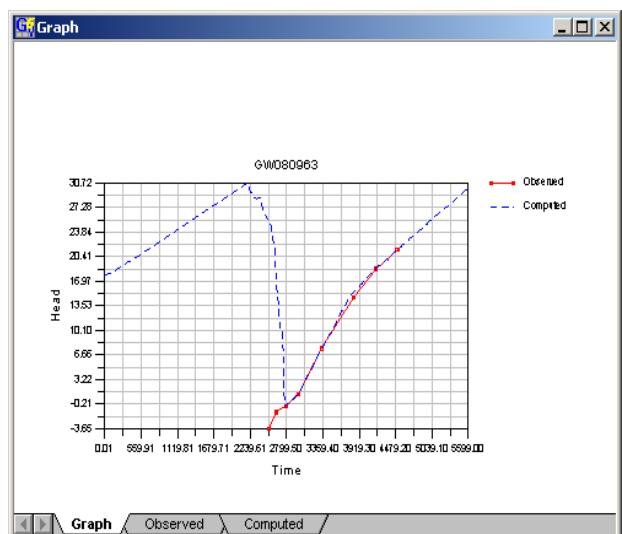
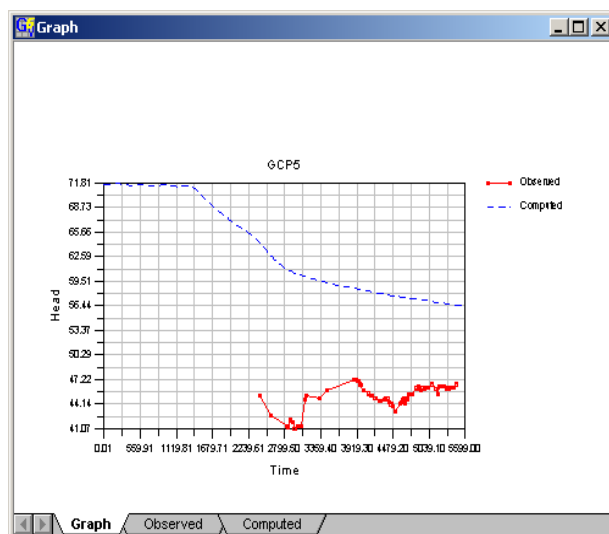
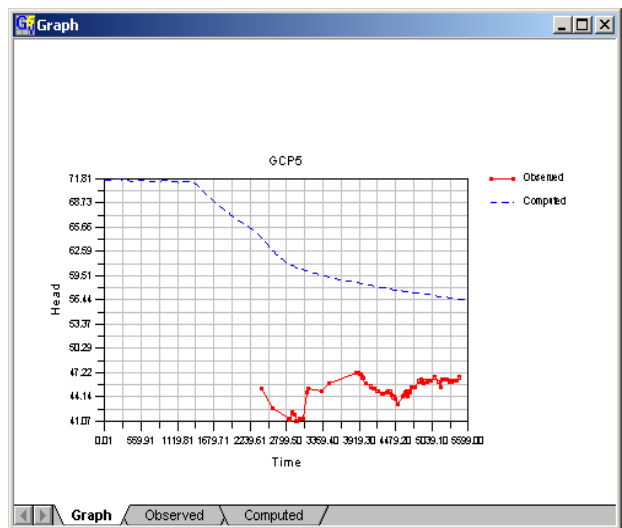
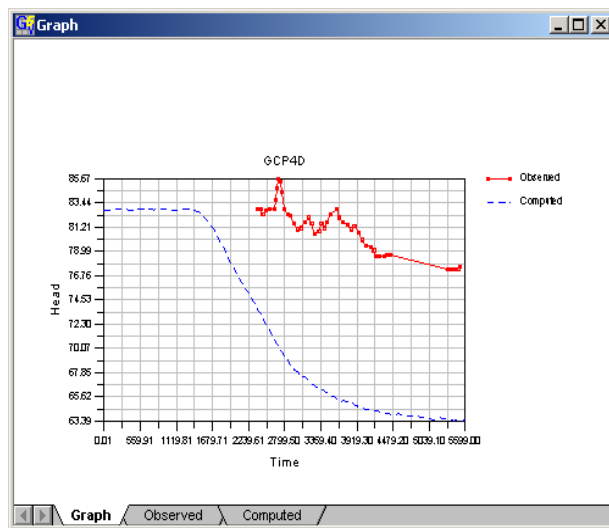


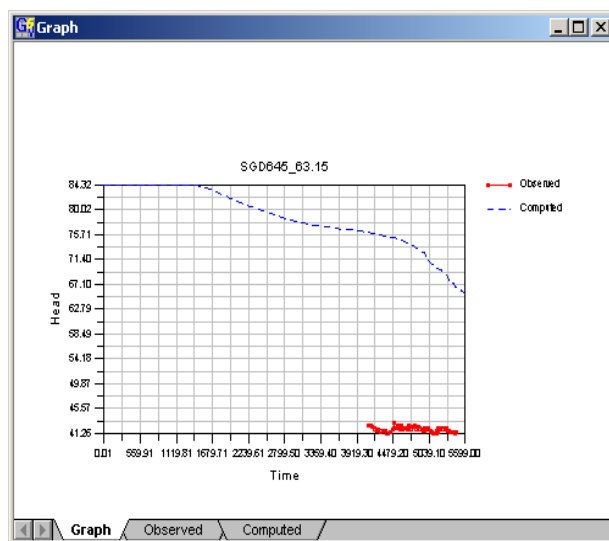
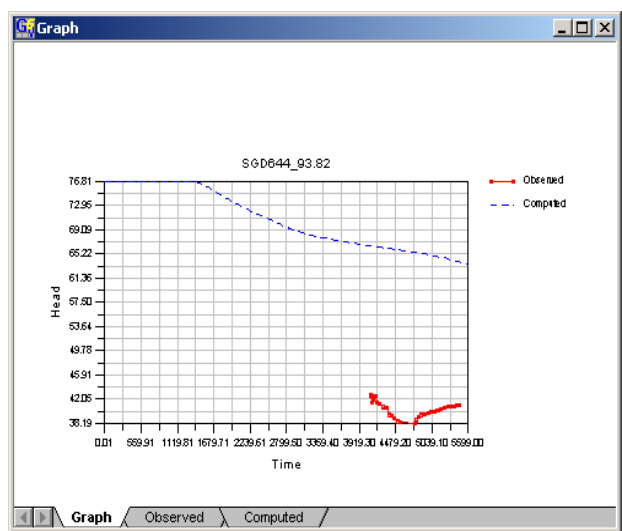
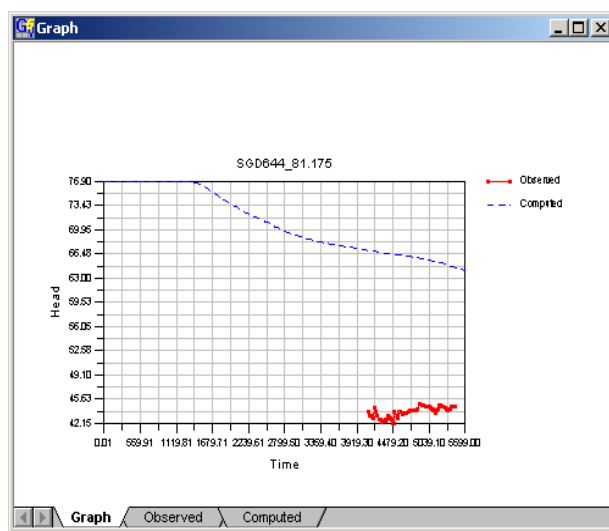












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