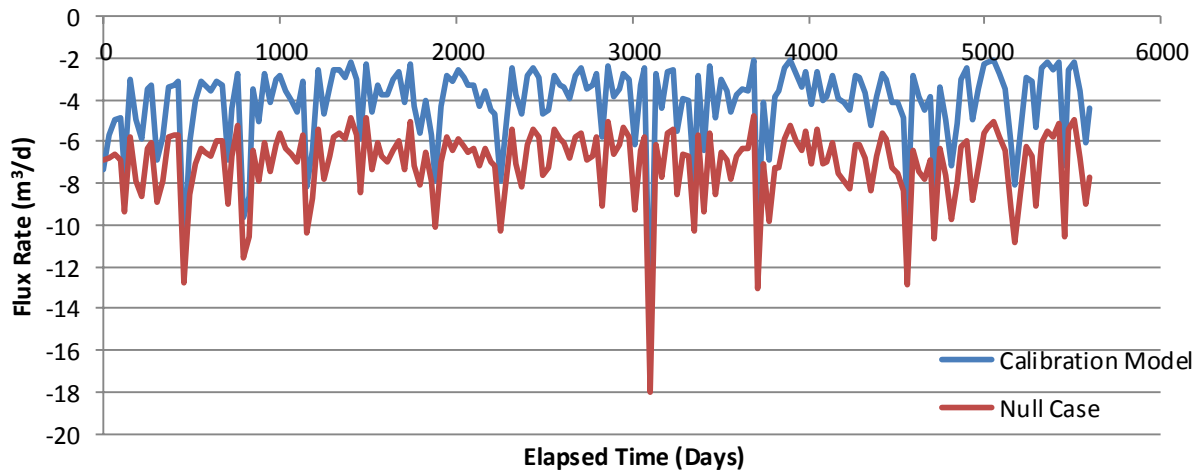
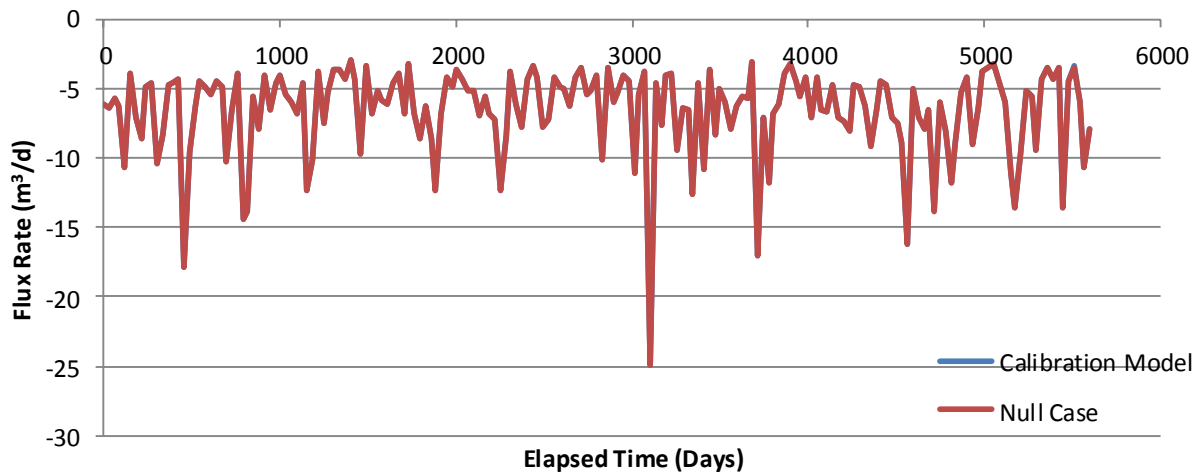


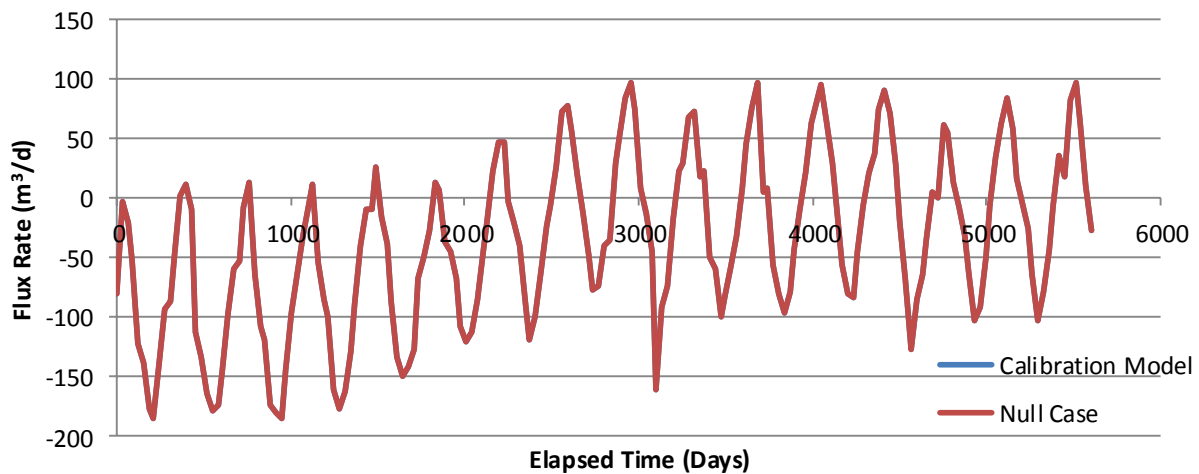
Flux vs. Time at Drain Reach 116



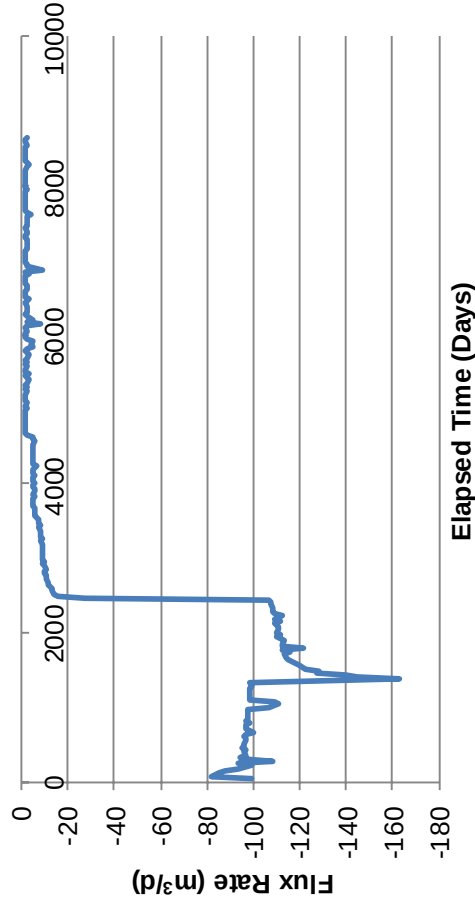
Flux vs. Time at Drain Reach 104



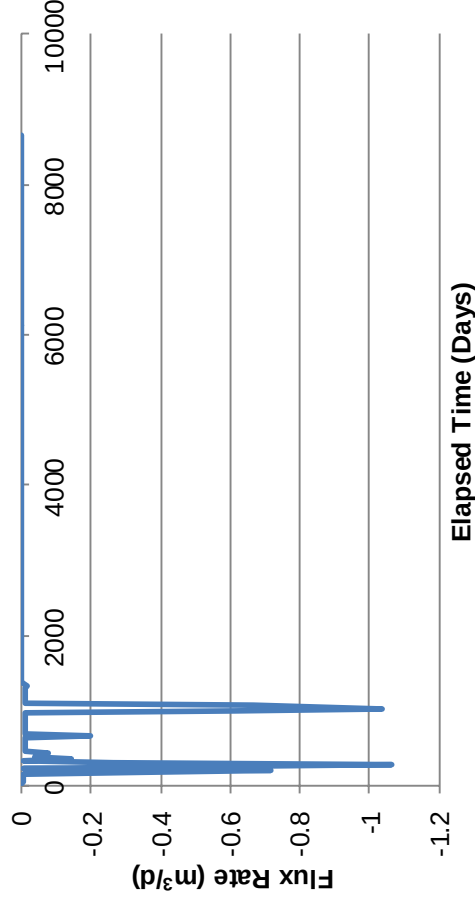
Flux vs. Time at River Reach 4



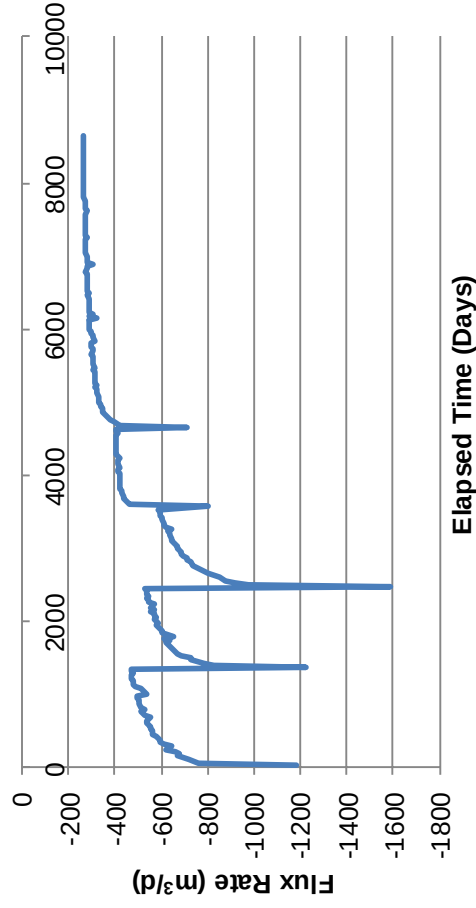
Flux vs. Time at Pit 1 (Drain Reach 51)



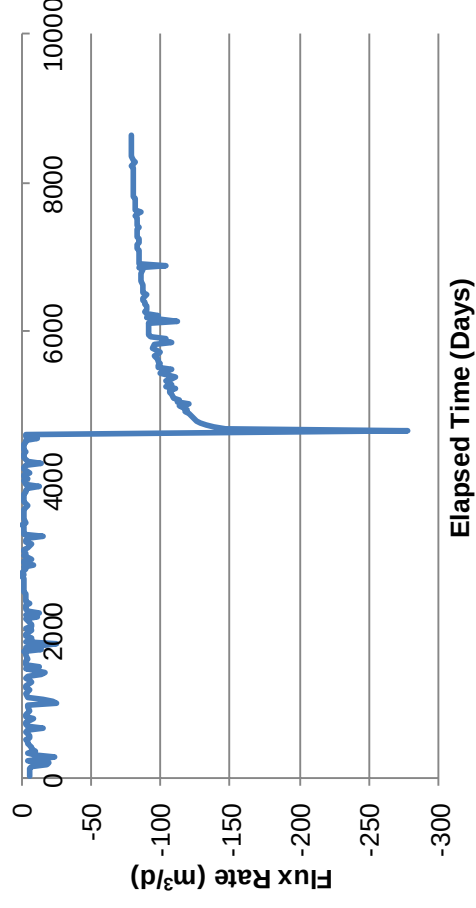
Flux vs. Time at Pit 2 (Drain Reach 52)



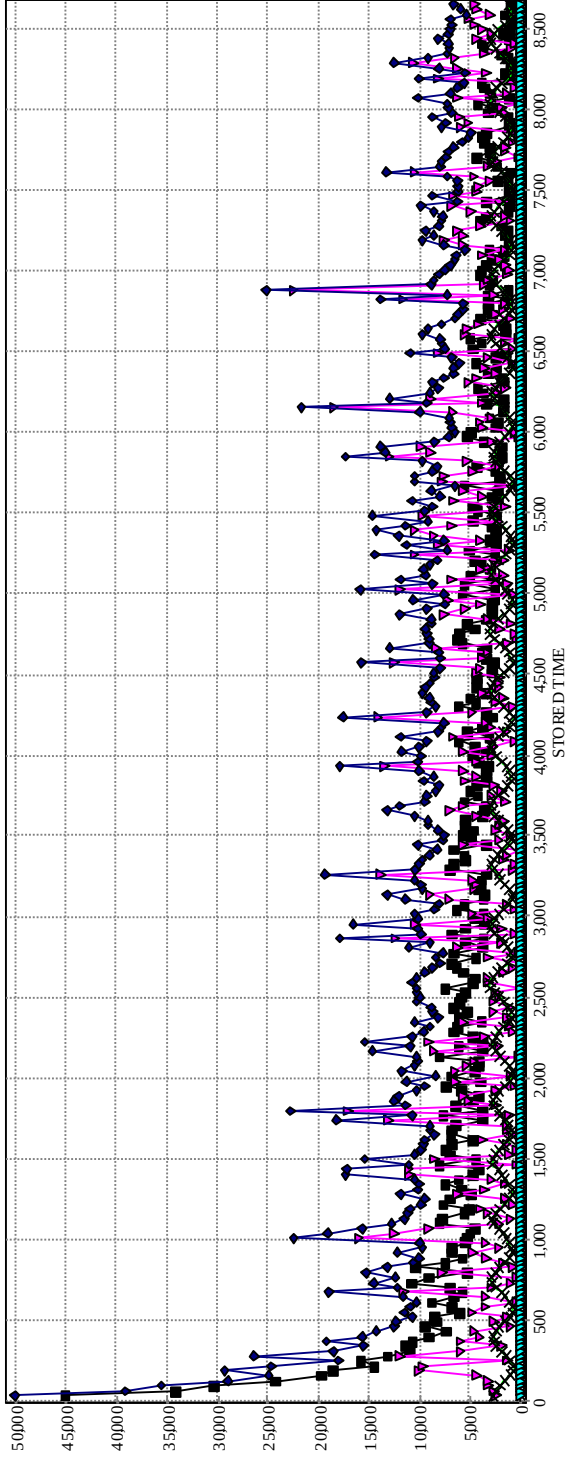
Flux vs. Time at Pit 3 (Drain Reach 53)



Flux vs. Time at Pit 1 Portal (Drain Reach 54)

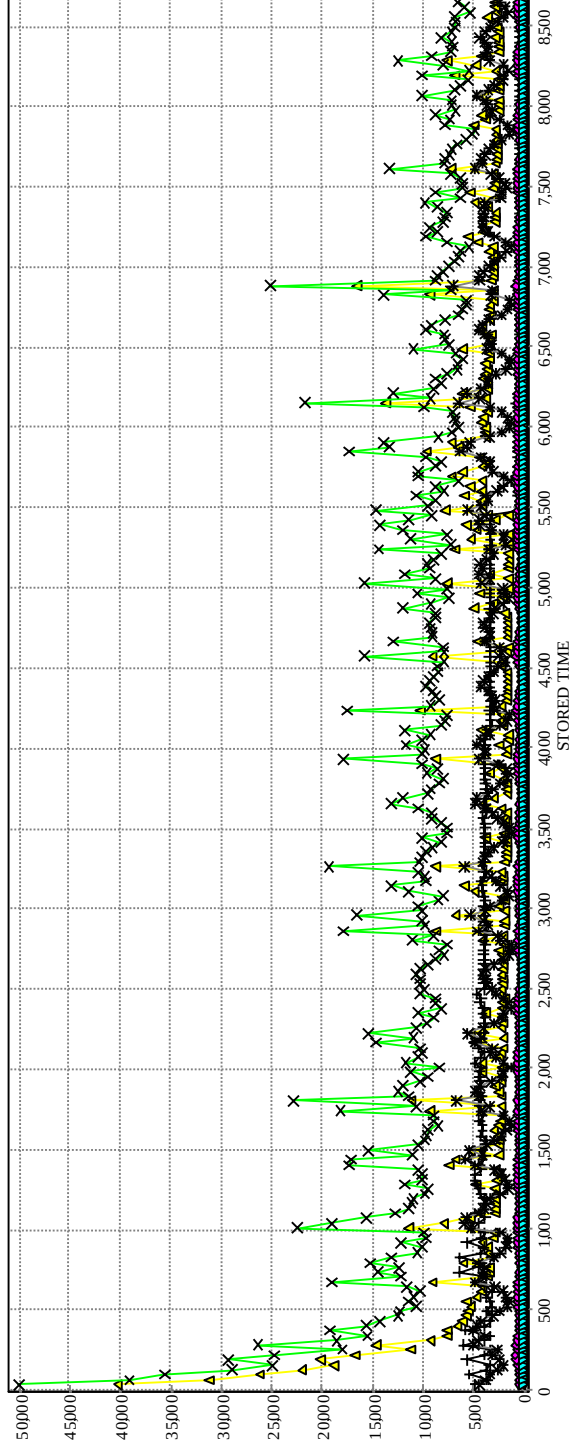


Time Series: RATES

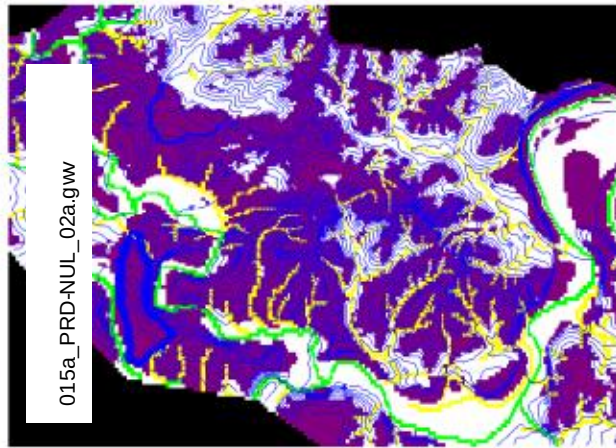
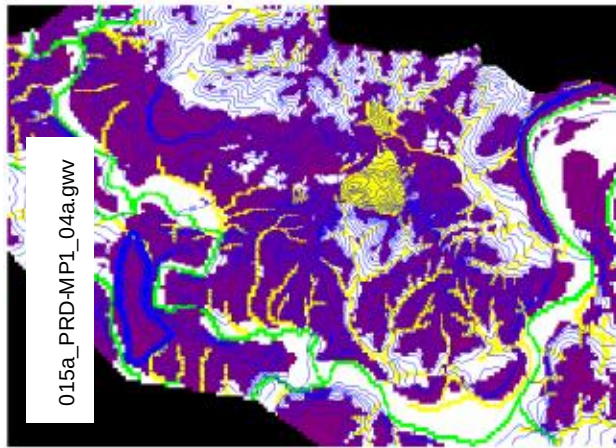


EXPLANATION
In STORAGE
In RECHARGE
In RIVER LEAKAGE
In HEAD DEP BOUNDS
In TOTAL IN
Percent Discrepancy

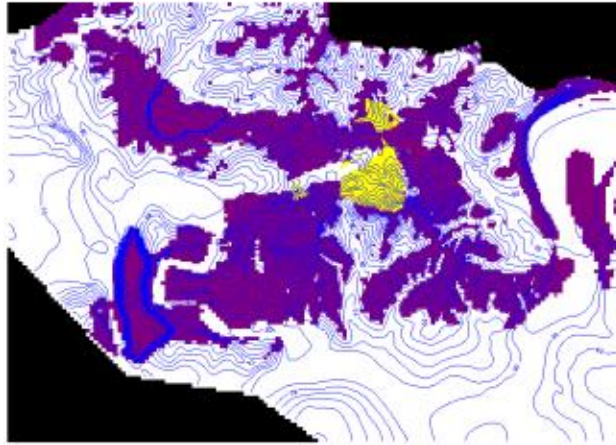
Time Series: RATES



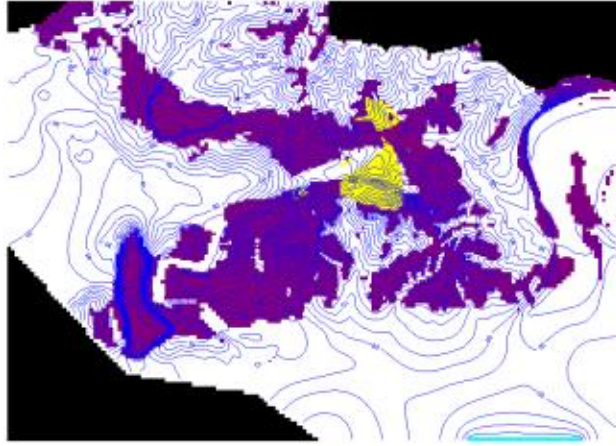
EXPLANATION
Out STORAGE
Out DRAIN
Out ET
Out RIVER LEAKAGE
Out HEAD DEP BOUNDS
Out TOTAL OUT
Percent Discrepancy



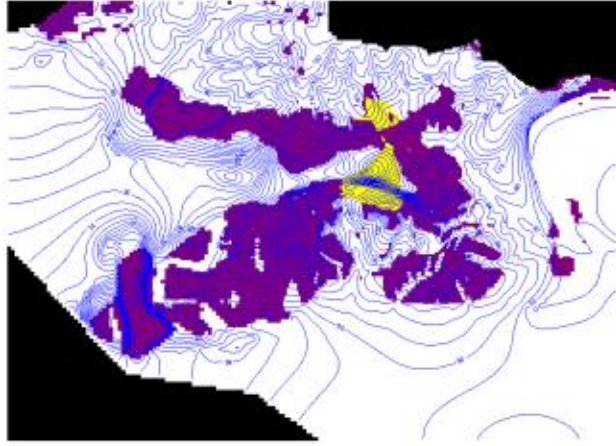
Layer 1



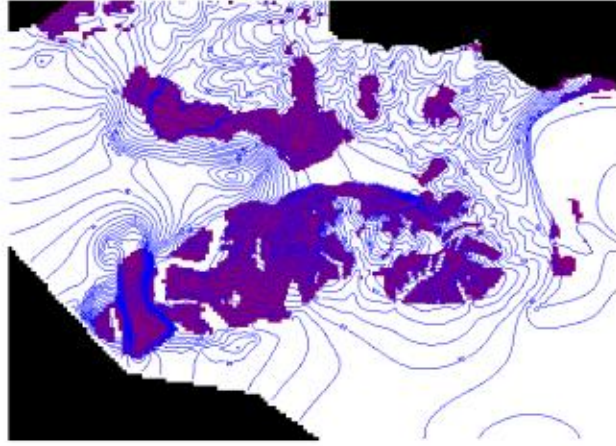
Layer 2

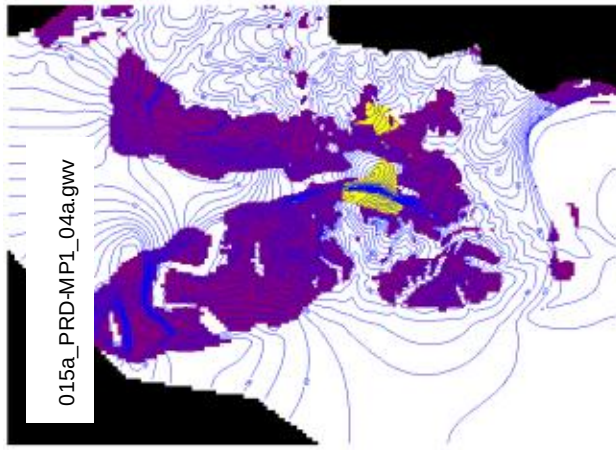


Layer 3



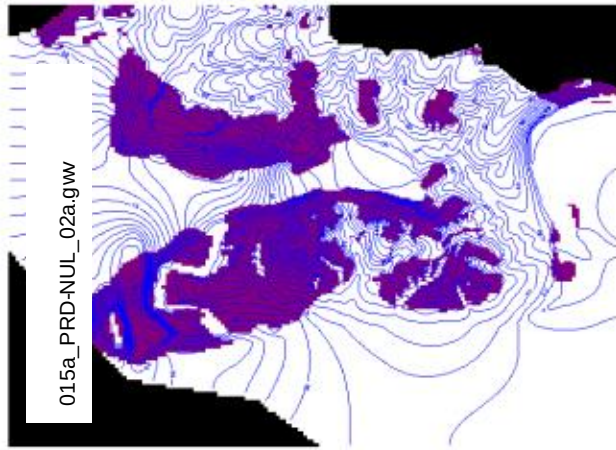
Layer 4





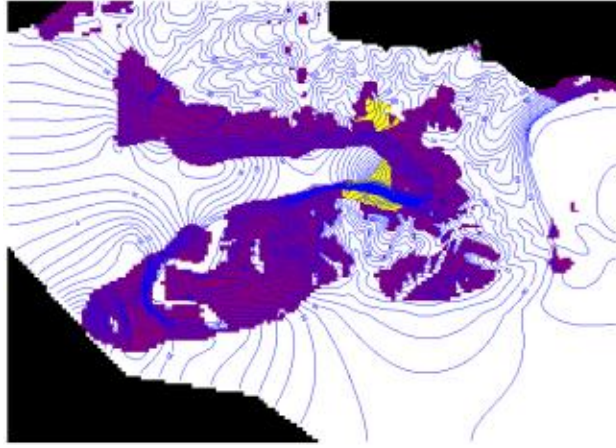
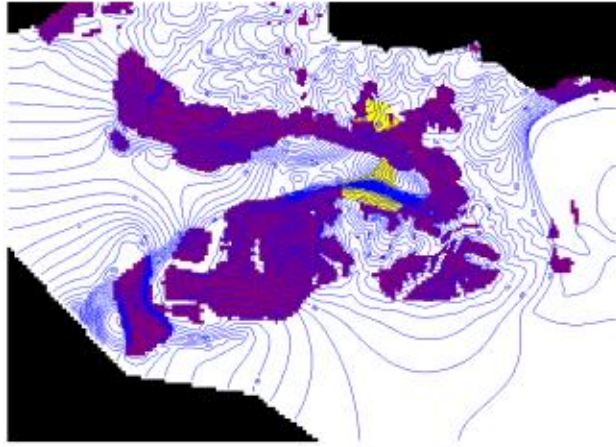
015a_PRD-MP1_04a.gww

Layer 5

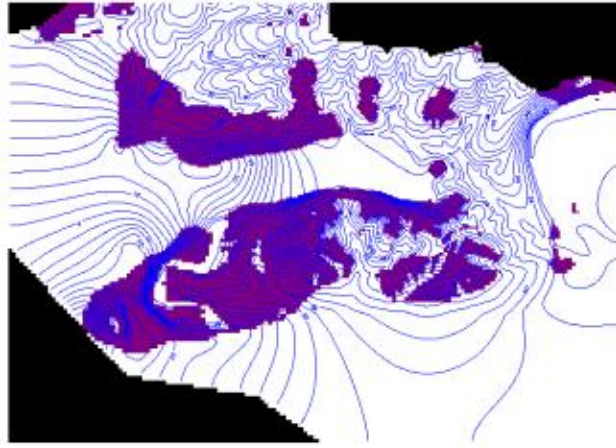


015a_PRD-NUL_02a.gww

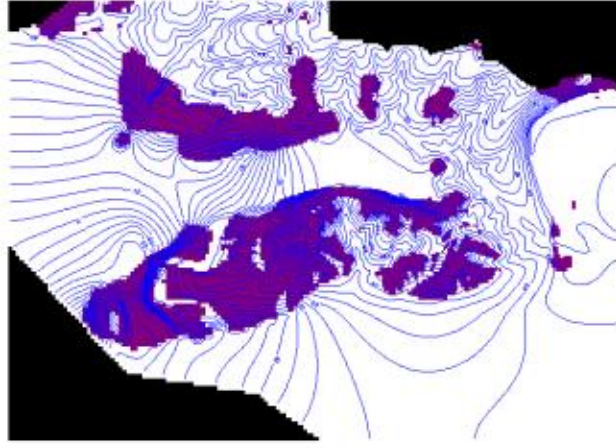
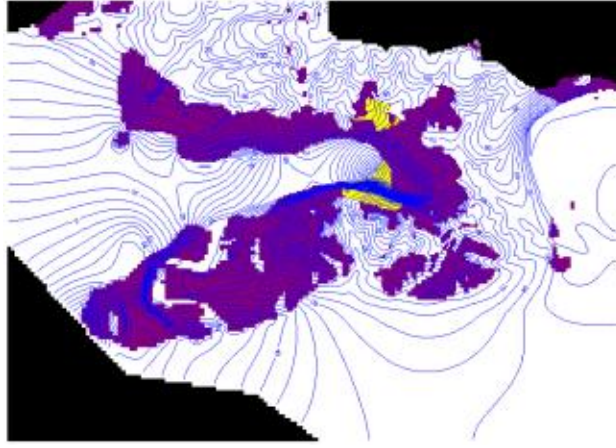
Layer 6

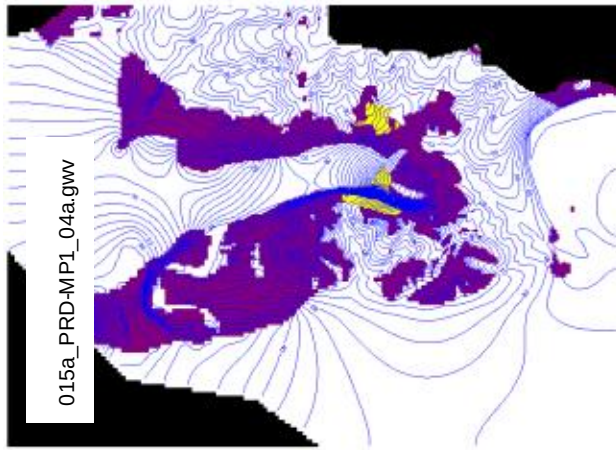


Layer 7



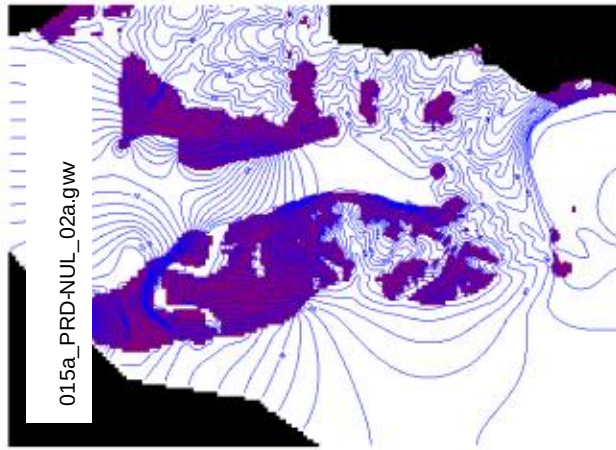
Layer 8



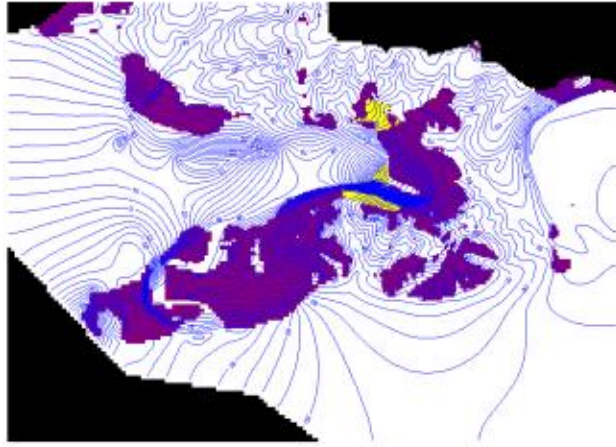


015a_PRD-MP1_04a.gww

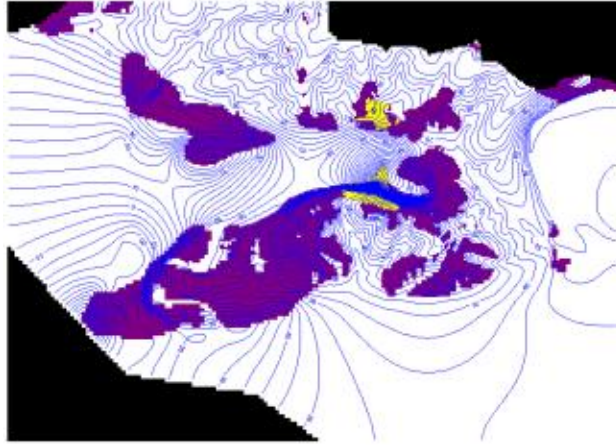
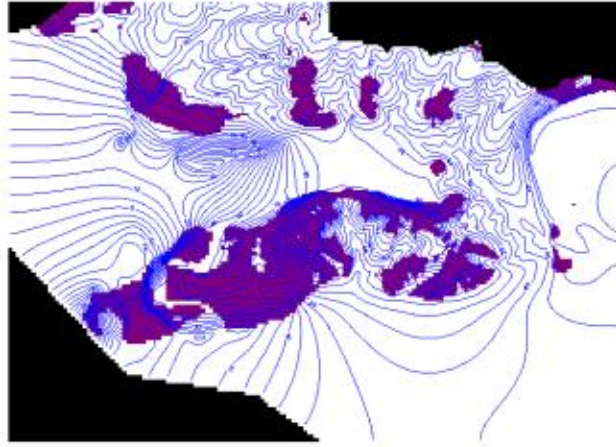
Layer 9



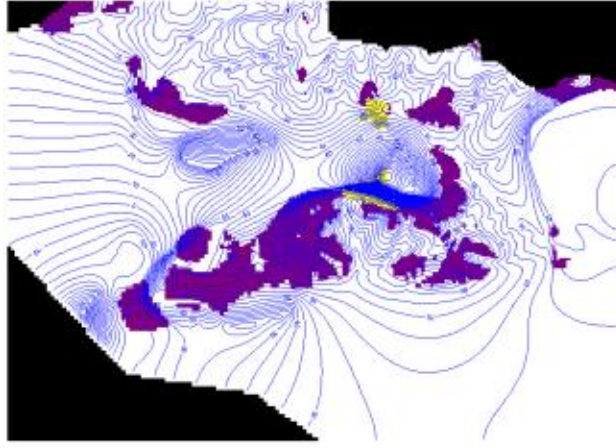
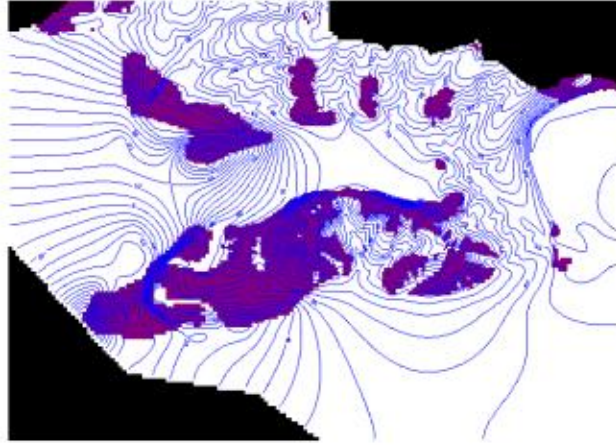
015a_PRD-NUL_02a.gww



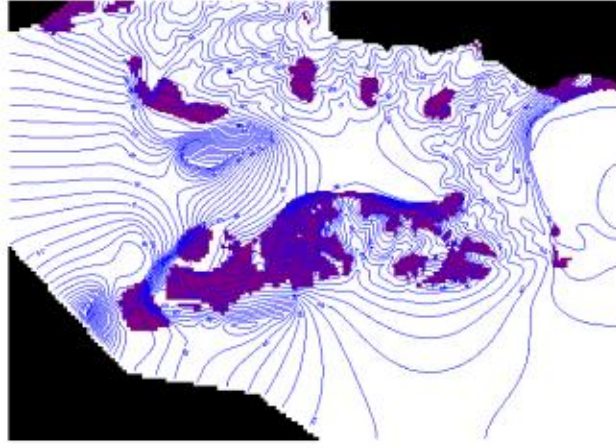
Layer 10

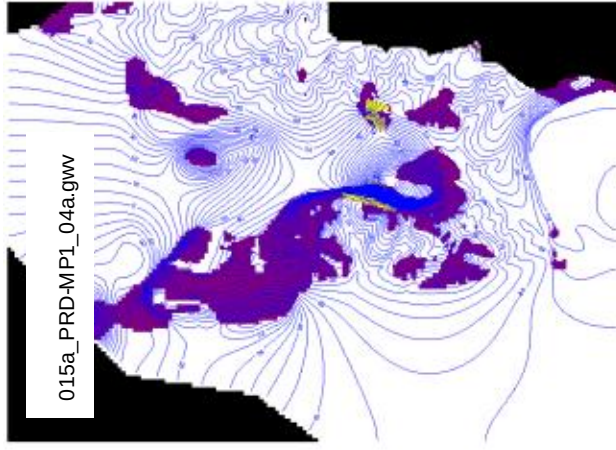


Layer 11



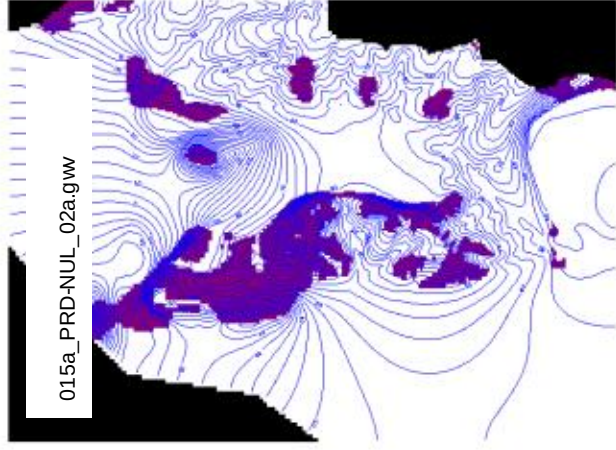
Layer 12



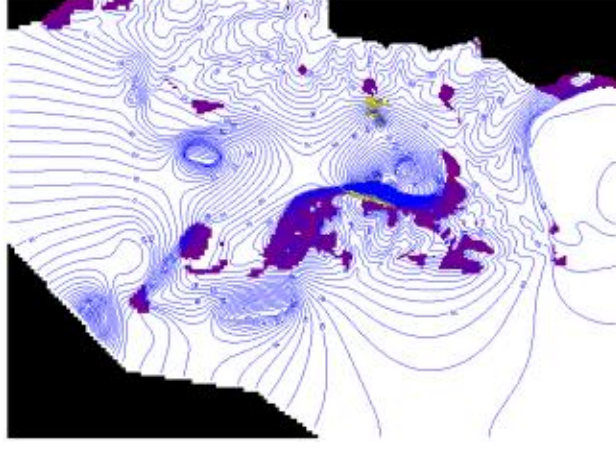


015a_PRD-MP1_04a.gww

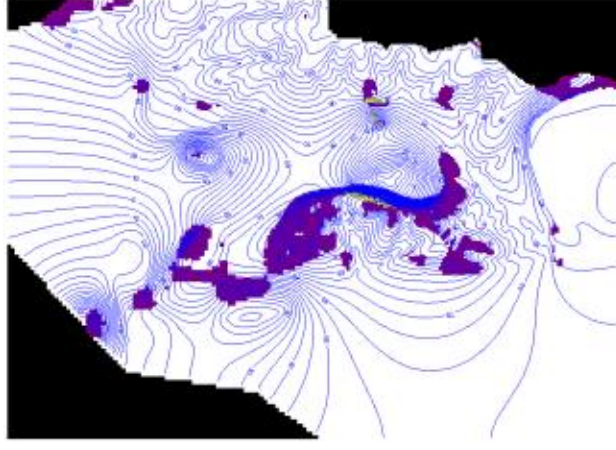
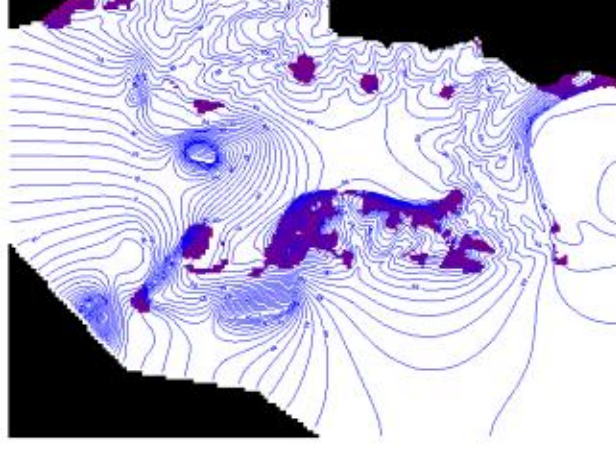
Layer 13



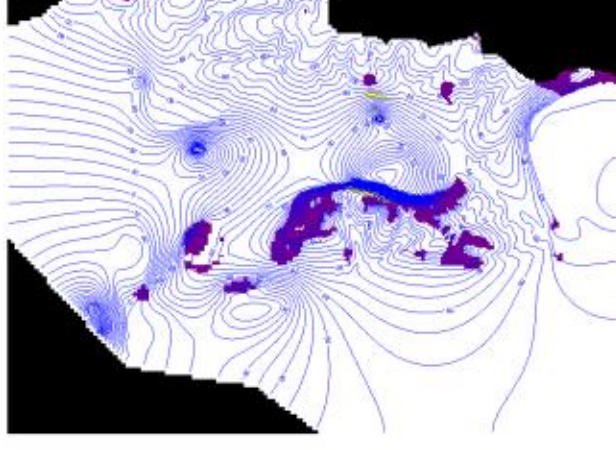
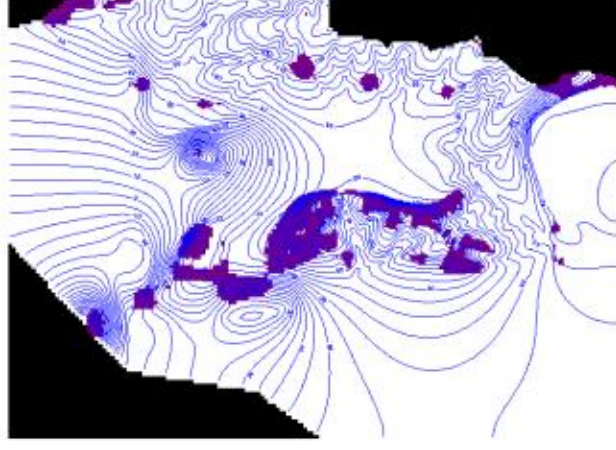
015a_PRD-NUL_02a.gww



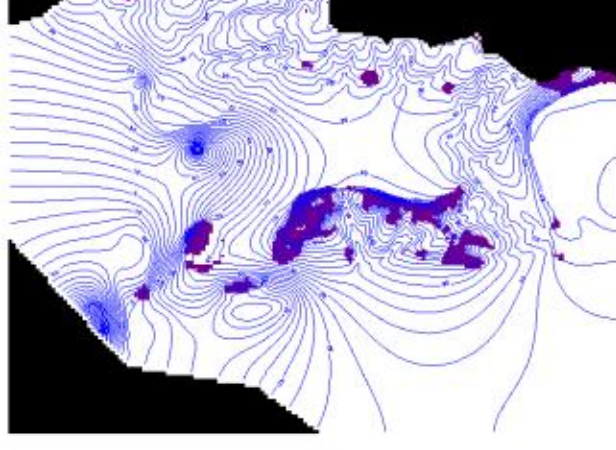
Layer 14

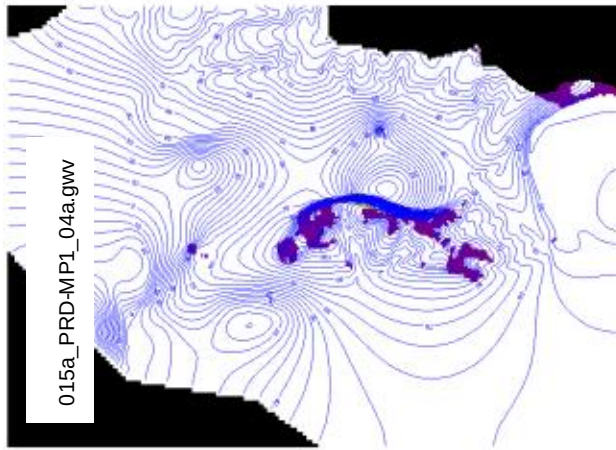


Layer 15

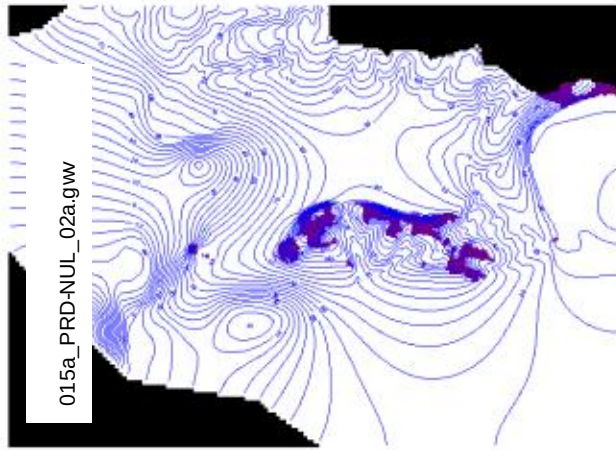


Layer 16



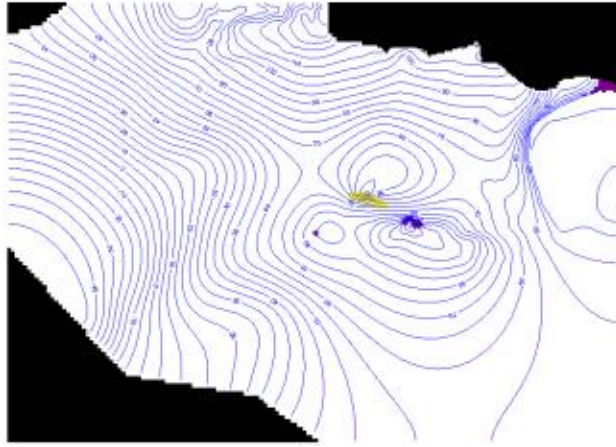


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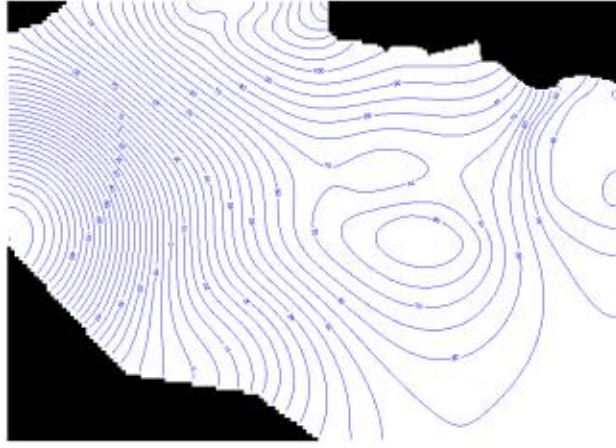
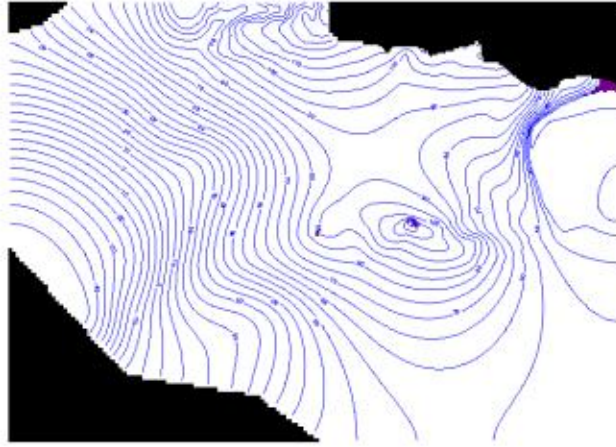


015a_PRD-NUL_02a.gww

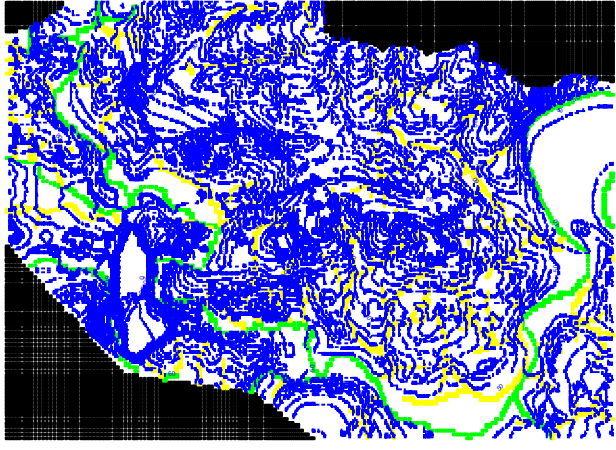
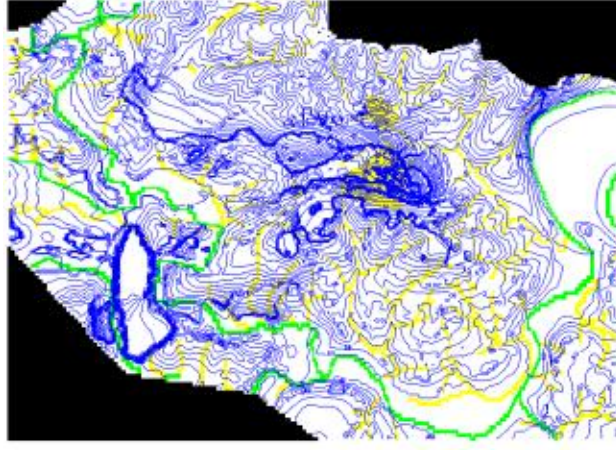
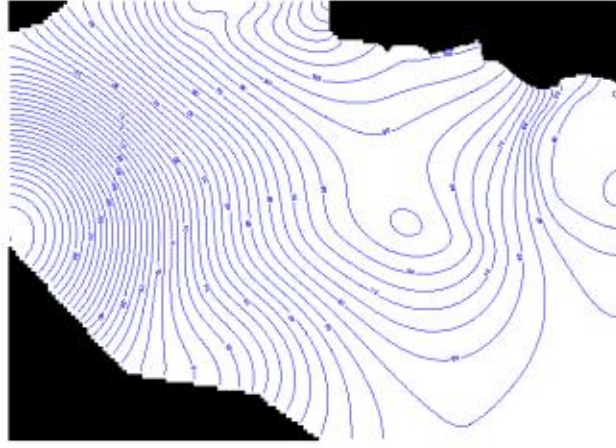
Layer 17



Layer 18

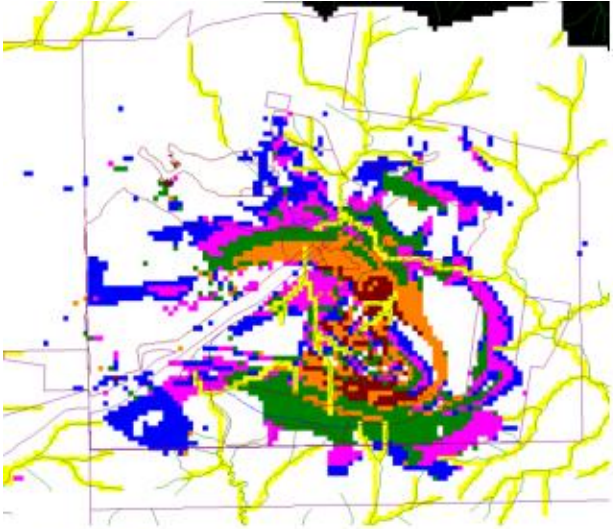
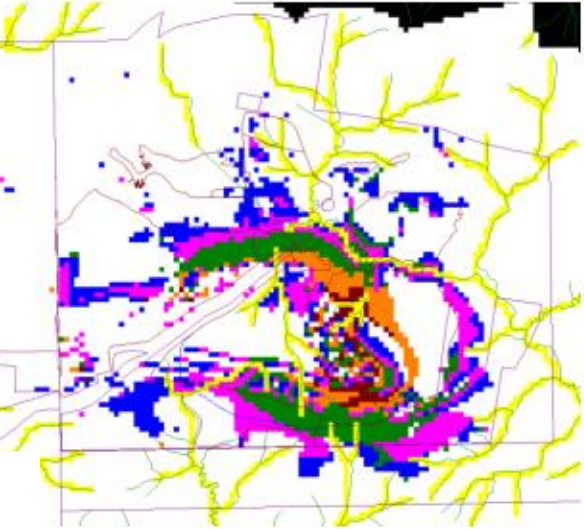
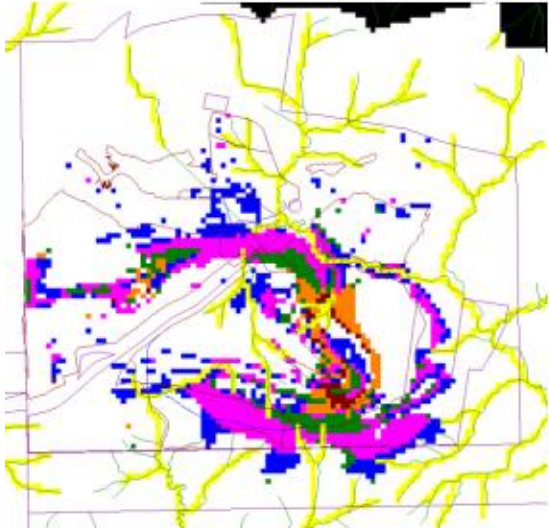


Layer 19



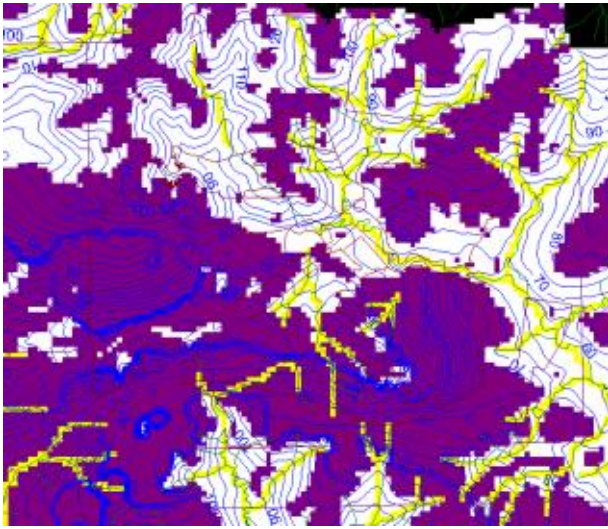
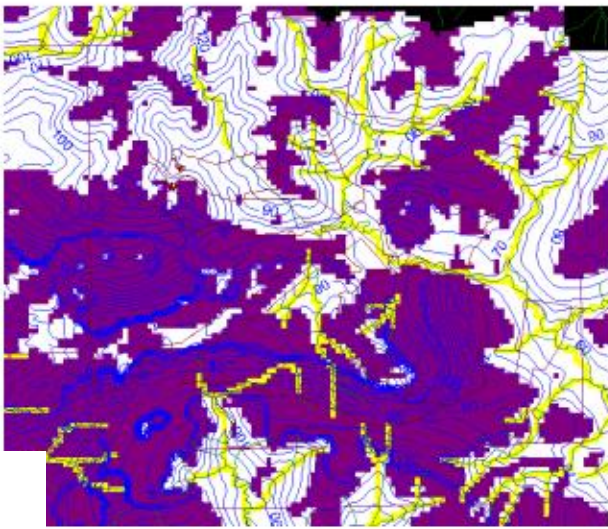
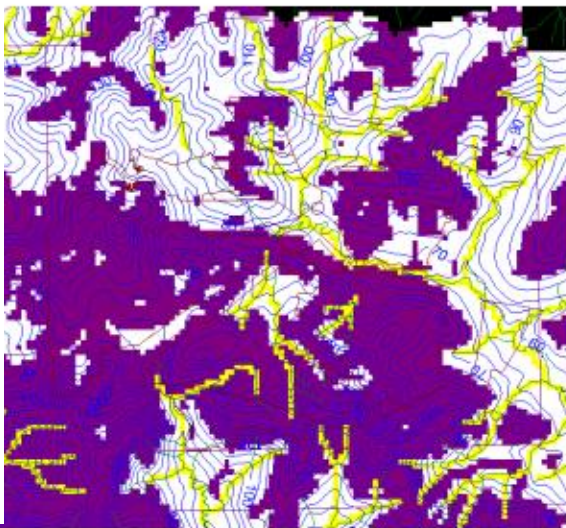
Uppermost Water Table

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.

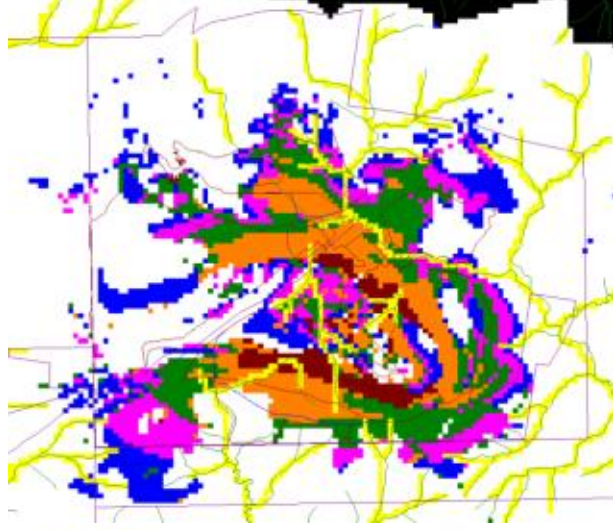
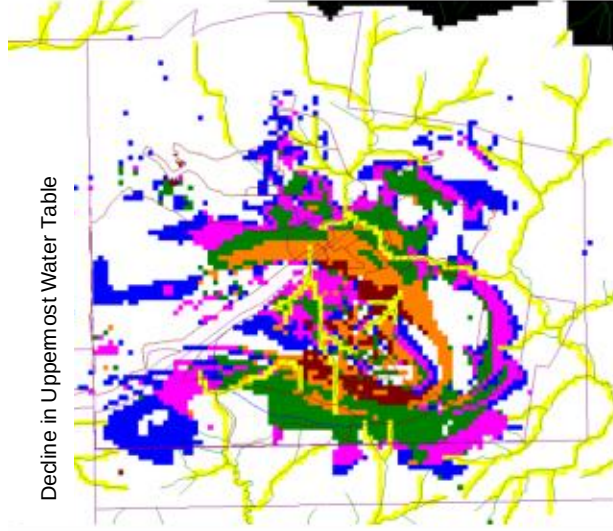
Dec 2017 (SP44)

Dec 2020 (SP80)

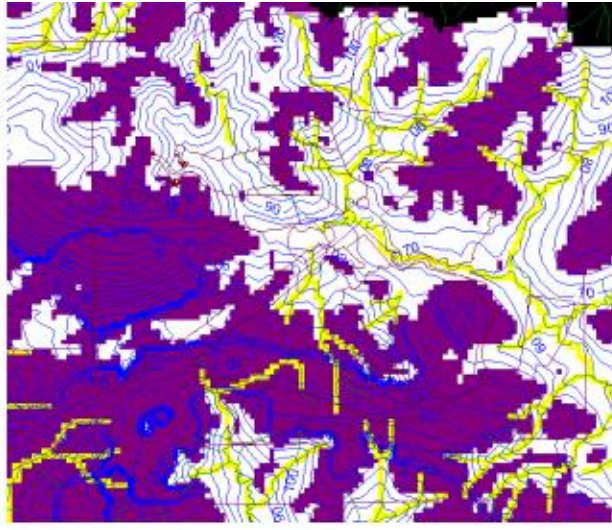
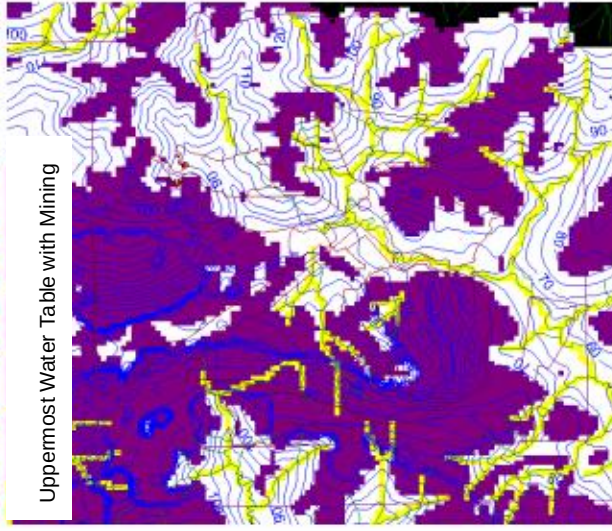
Dec 2023 (SP116)

015a_PRD-MP1_04a_NUL.gww

Decline in Uppermost Water Table



Uppermost Water Table with Mining



Decline (m):

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

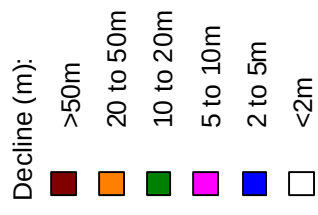
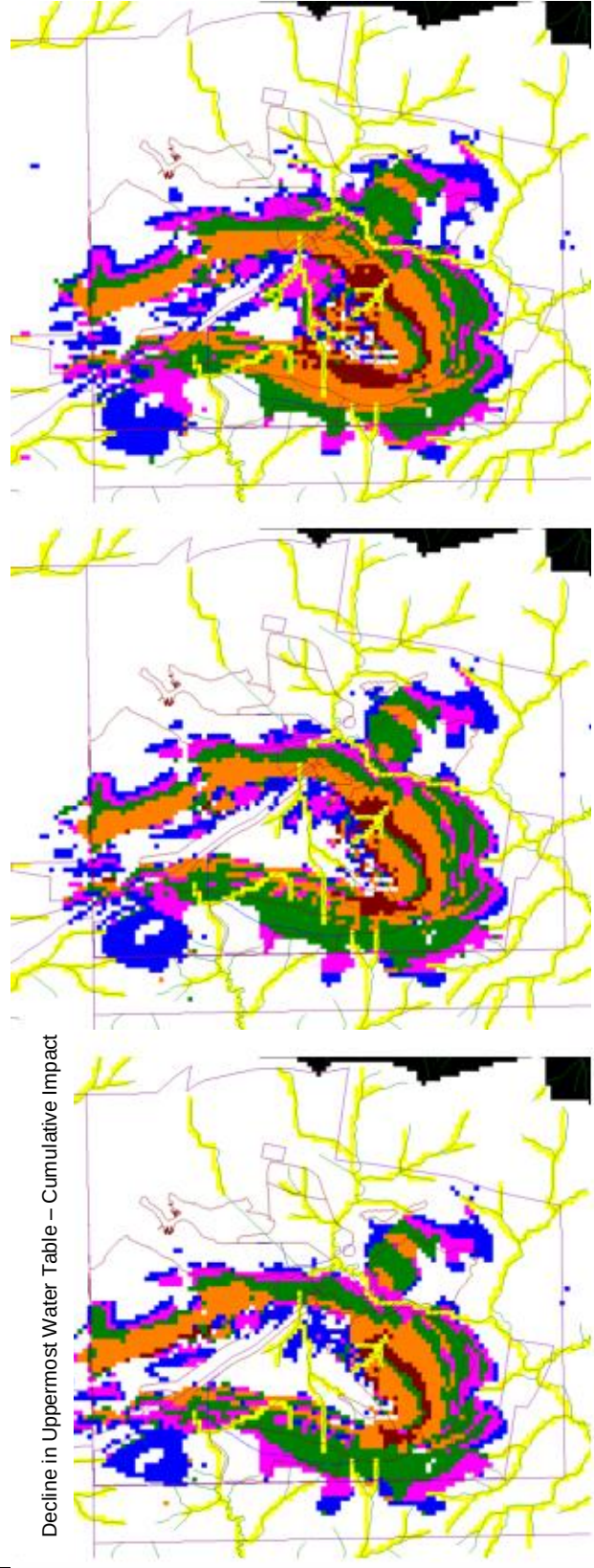
Notes. 1) Dry cells in the lower images, displayed in purple, are with respect to heads from Layer 1; 2) Contours are highest water table, however, not necessarily residing in Layer 1.

Dec 2026 (SP152)

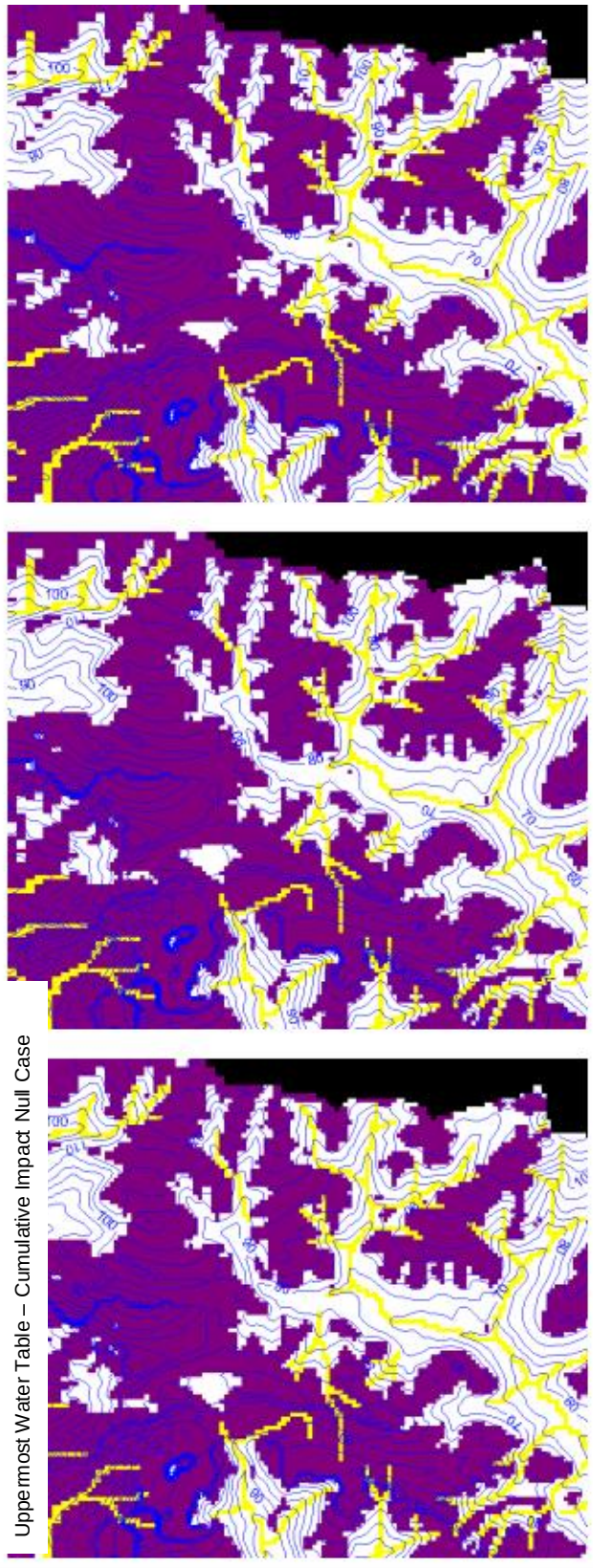
Dec 2037 (SP284)

015a_PRD-MP1_04a_NUL.gww

Decline in Uppermost Water Table – Cumulative Impact



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.

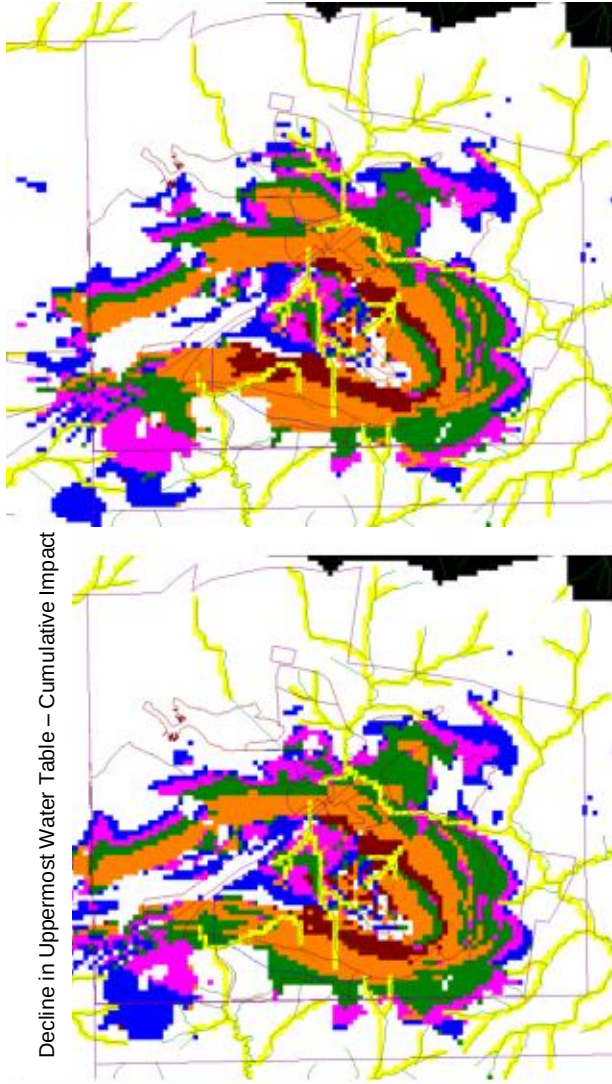
Dec 2017 (SP44)

Dec 2020 (SP80)

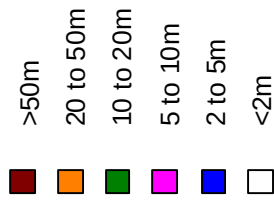
Dec 2023 (SP116)

015a_PRD-NUL_02a.gww

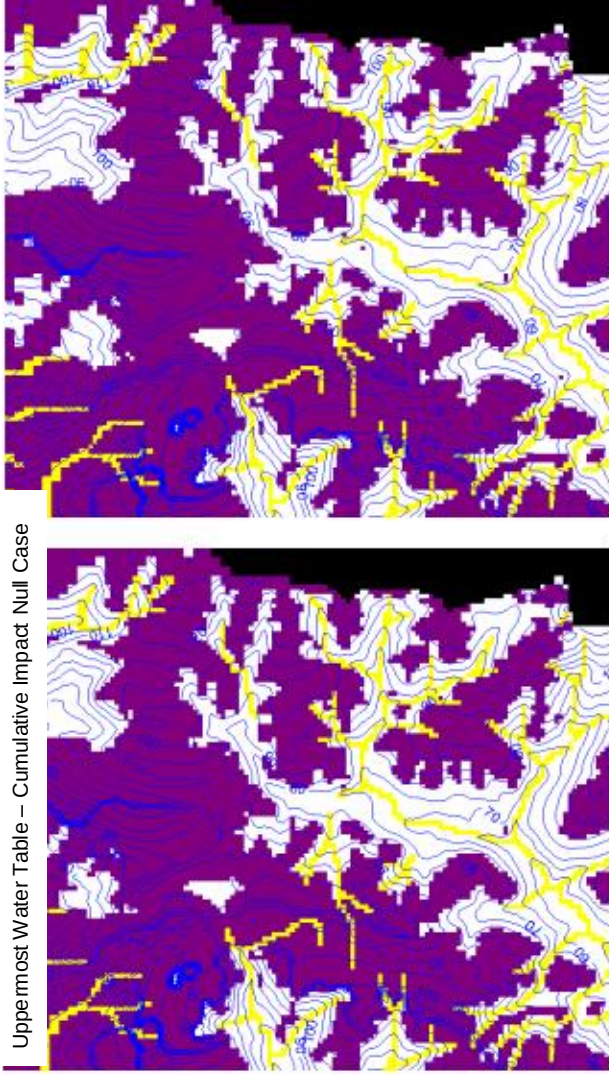
Decline in Uppermost Water Table – Cumulative Impact



Decline (m):



Uppermost Water Table – Cumulative Impact Null Case



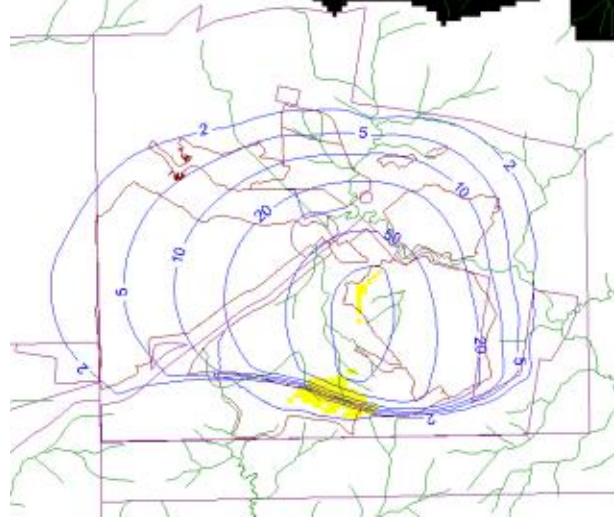
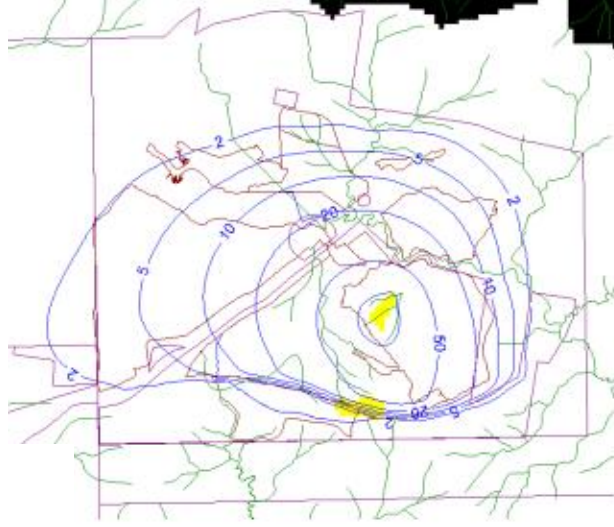
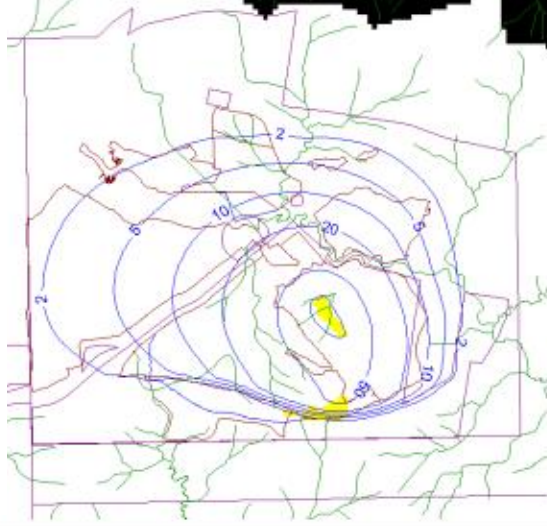
Notes. 1) Dry cells in the lower images, displayed in purple, are with respect to heads from Layer 1; 2) Contours are highest water table, however, not necessarily residing in Layer 1.

Dec 2026 (SP152)

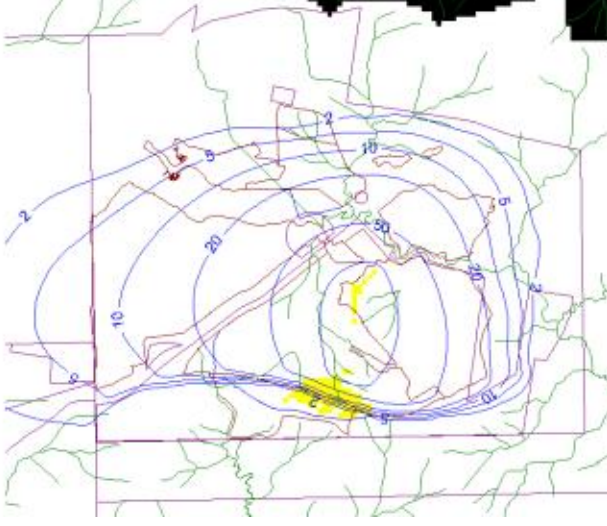
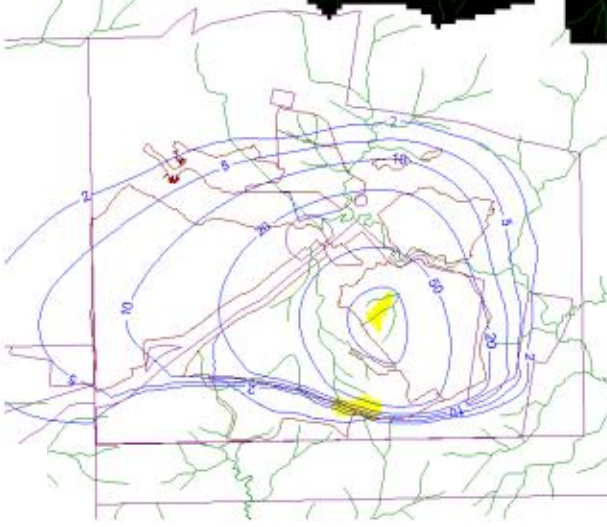
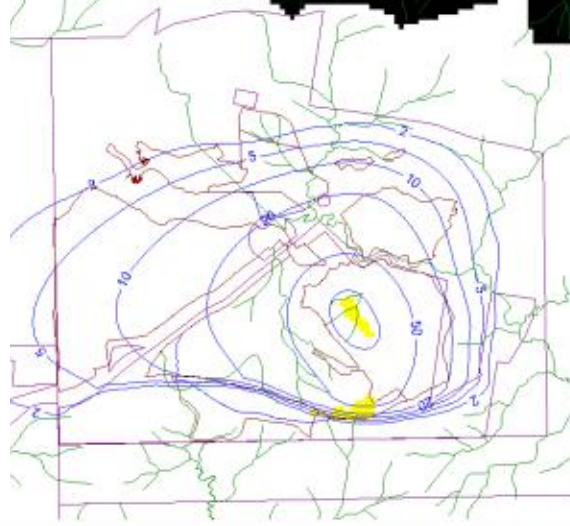
Dec 2037 (SP284)

015a_PRD-NUL_02a.gww

Drawdown due to Continuation Only



Drawdown due to Cumulative Impact



015a_PRD-MP1_04a_NUL.gww

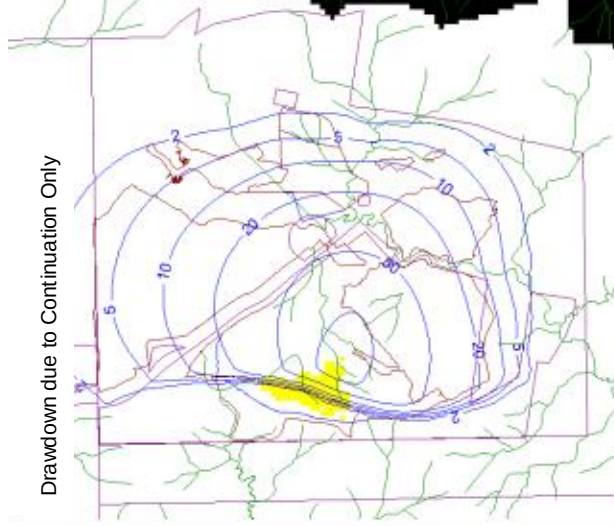
Dec 2017 (SP44)

Dec 2020 (SP80)

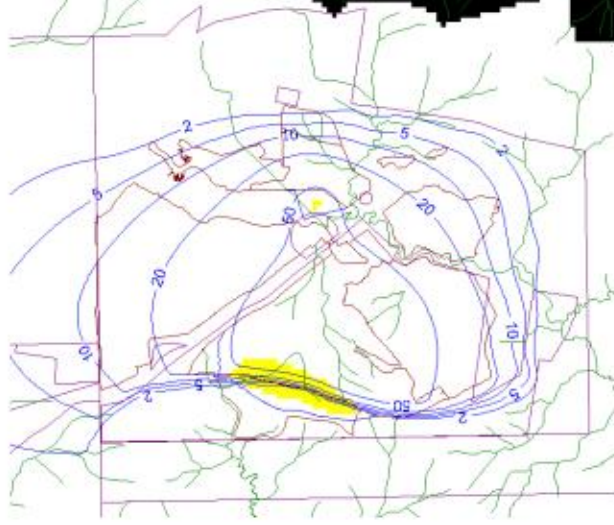
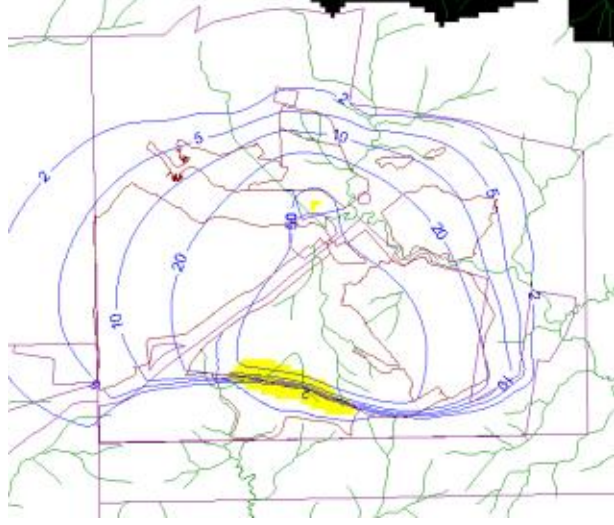
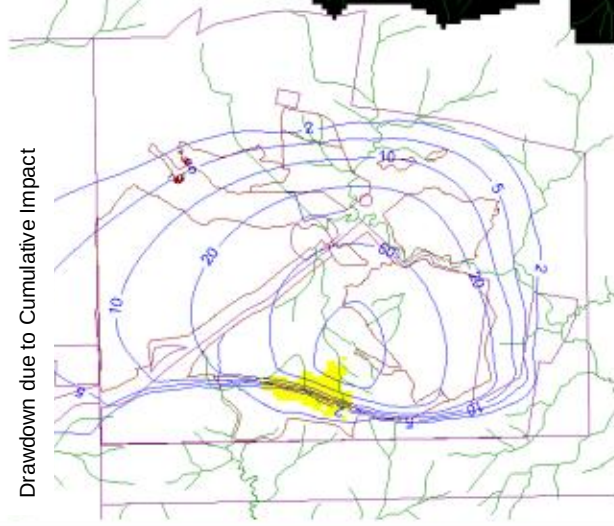
Dec 2023 (SP116)

015a_PRD-NUL_02a.gww

Drawdown due to Continuation Only



Drawdown due to Cumulative Impact



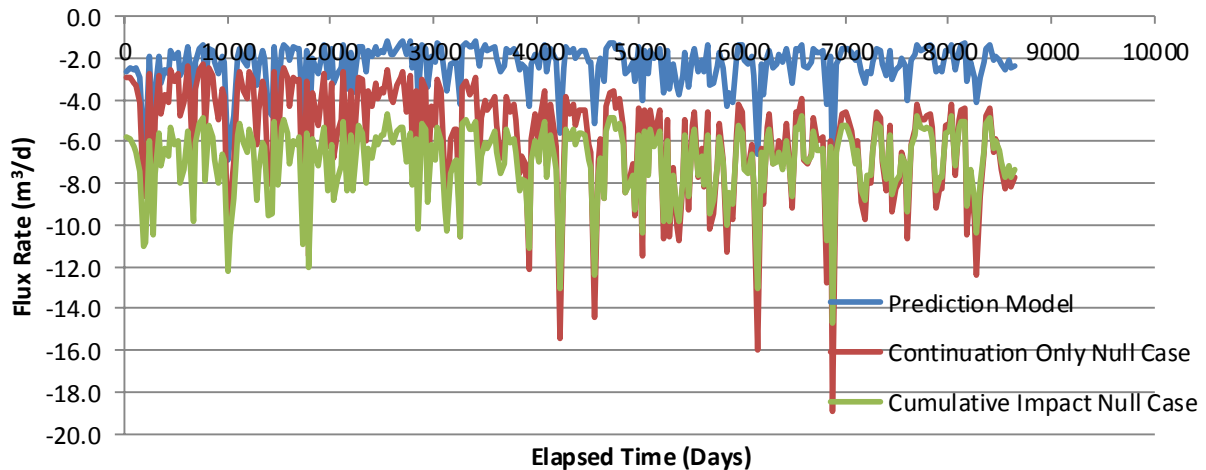
015a_PRD-MP1_04a_NUL.gww

Dec 2026 (SP152)

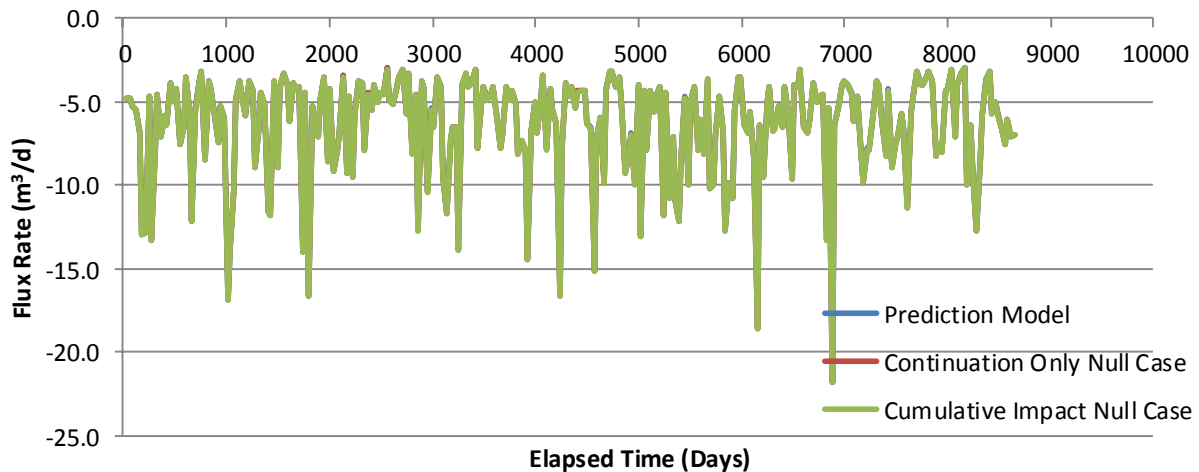
Dec 2037 (SP284)

015a_PRD-NUL_02a.gww

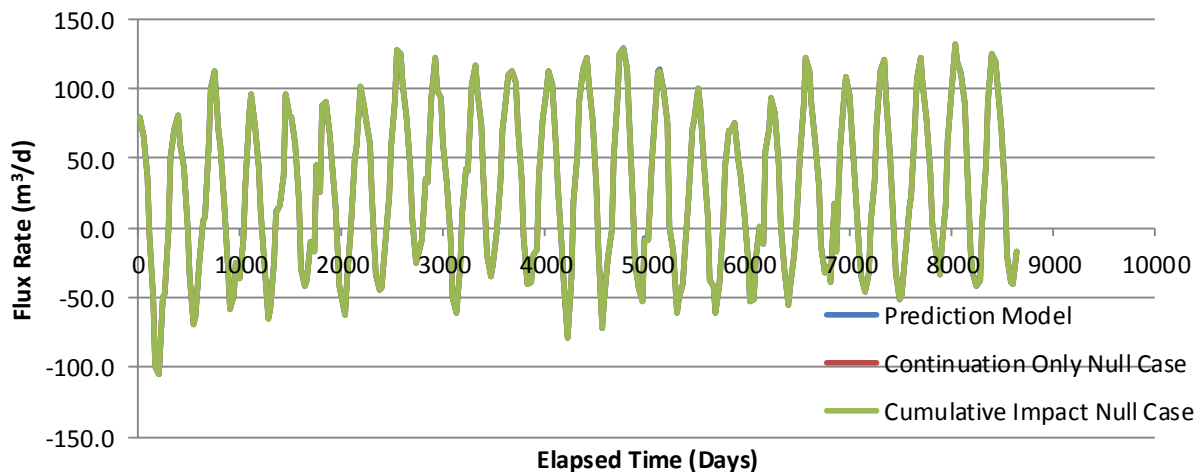
Flux vs. Time at Drain Reach 116



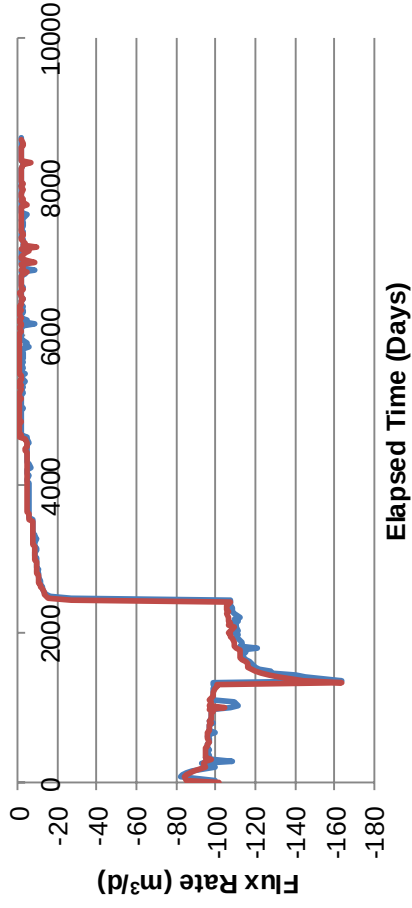
Flux vs. Time at Drain Reach 104



Flux vs. Time at River Reach 4

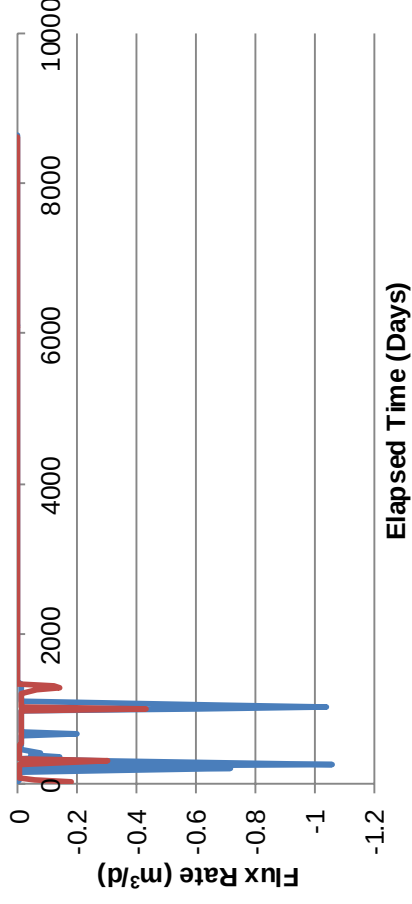


Flux vs. Time at Pit 1 (Drain Reach 51)



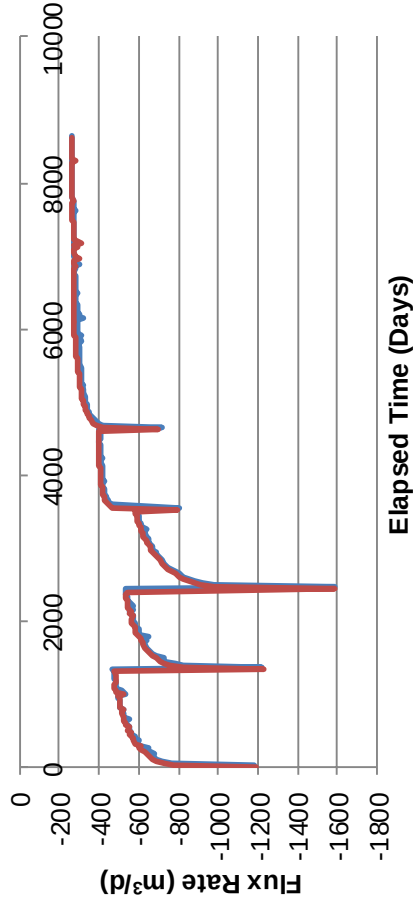
Prediction Simulation Uncertainty Analysis - Low Rainfall

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



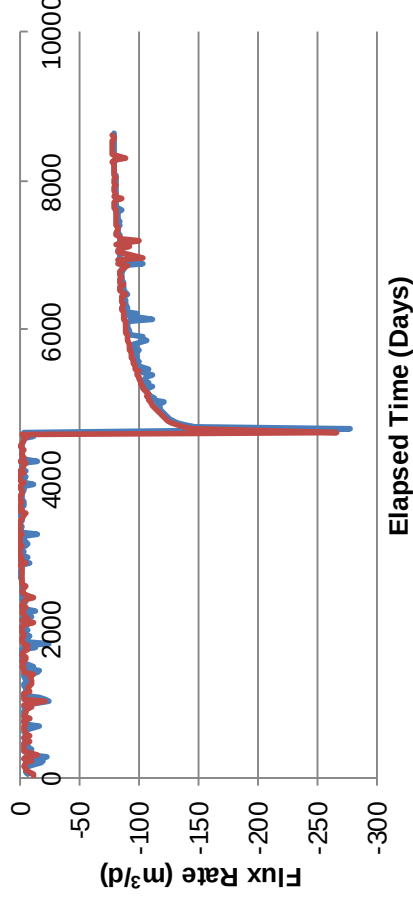
Prediction Simulation Uncertainty Analysis - Low Rainfall

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



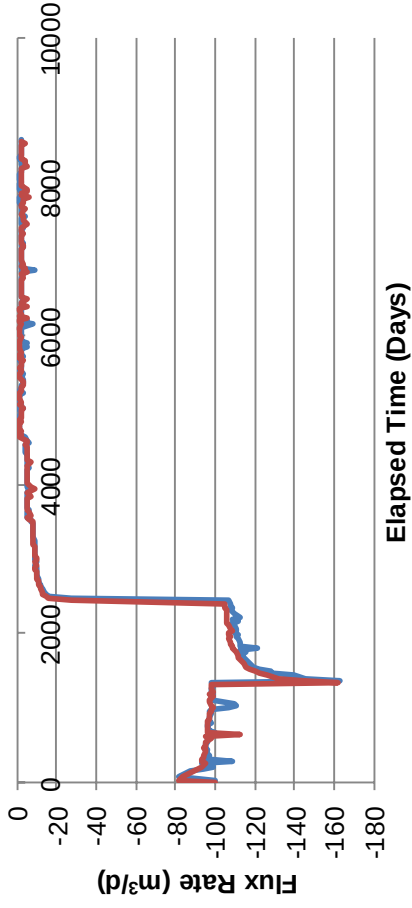
Prediction Simulation Uncertainty Analysis - Low Rainfall

Flux vs. Time at Pit 1 Portal (Drain Reach 54)



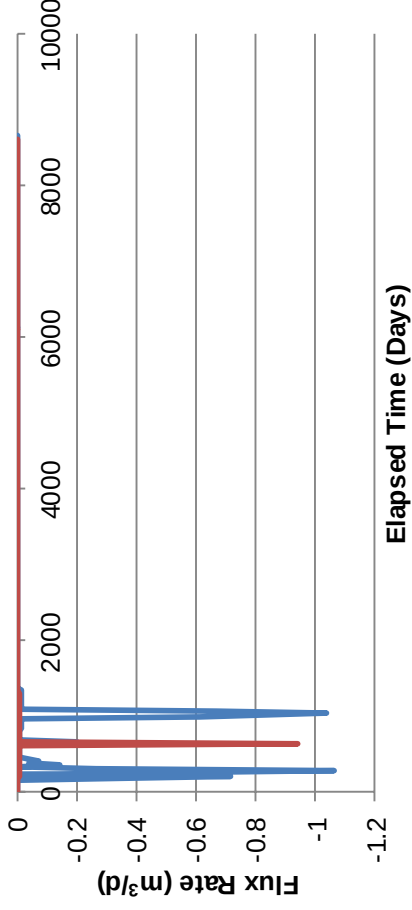
Prediction Simulation Uncertainty Analysis - Low Rainfall

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



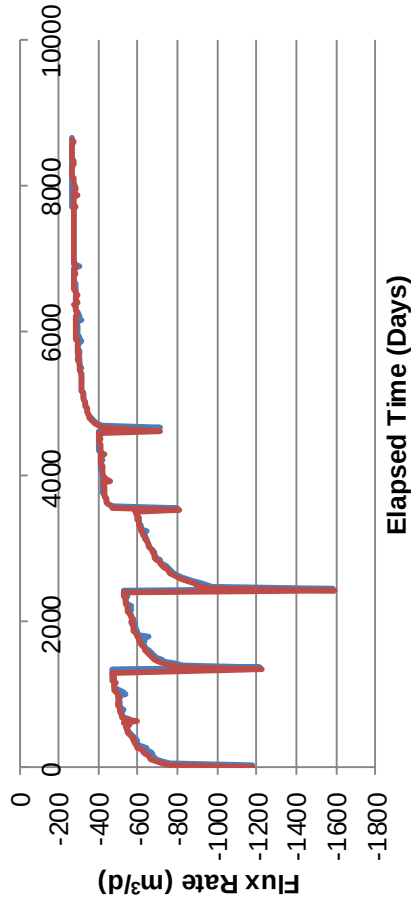
Prediction Simulation — Uncertainty Analysis - High Rainfall

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



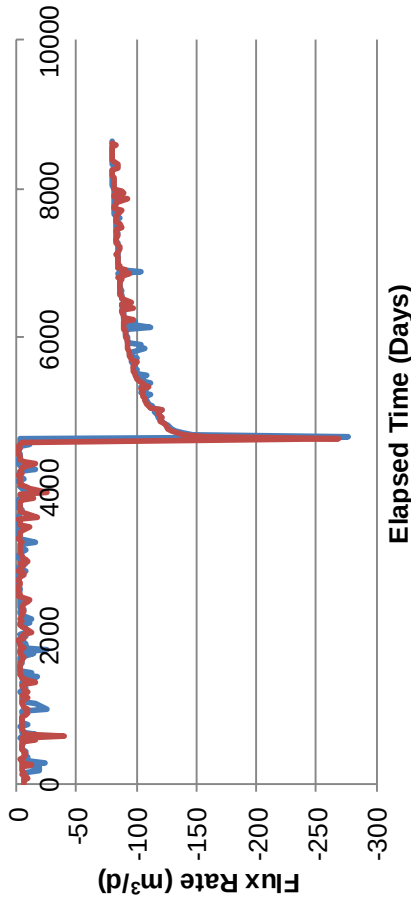
Prediction Simulation — Uncertainty Analysis - High Rainfall

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

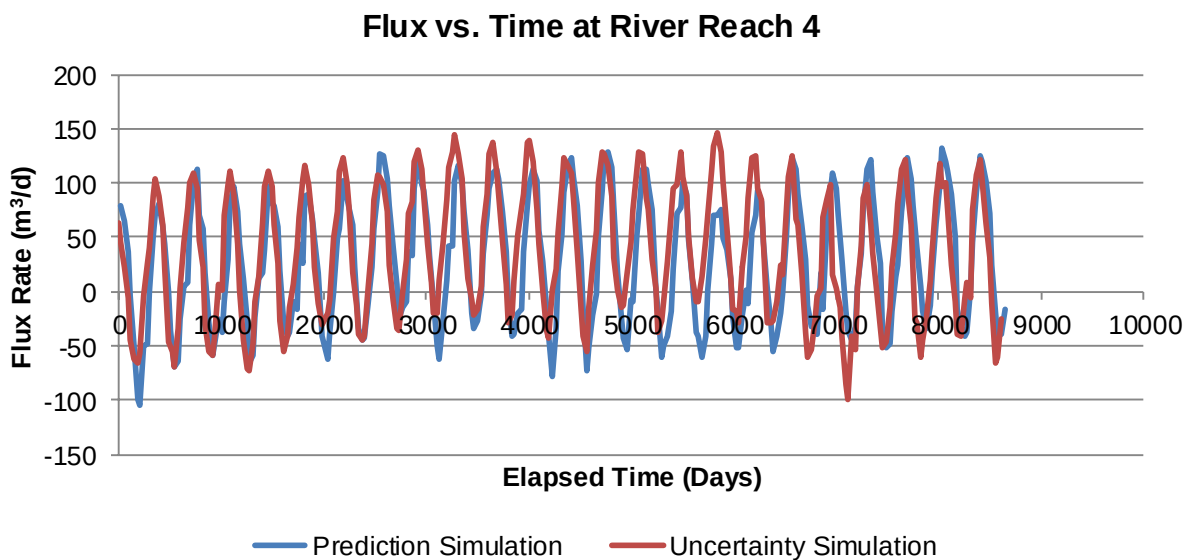
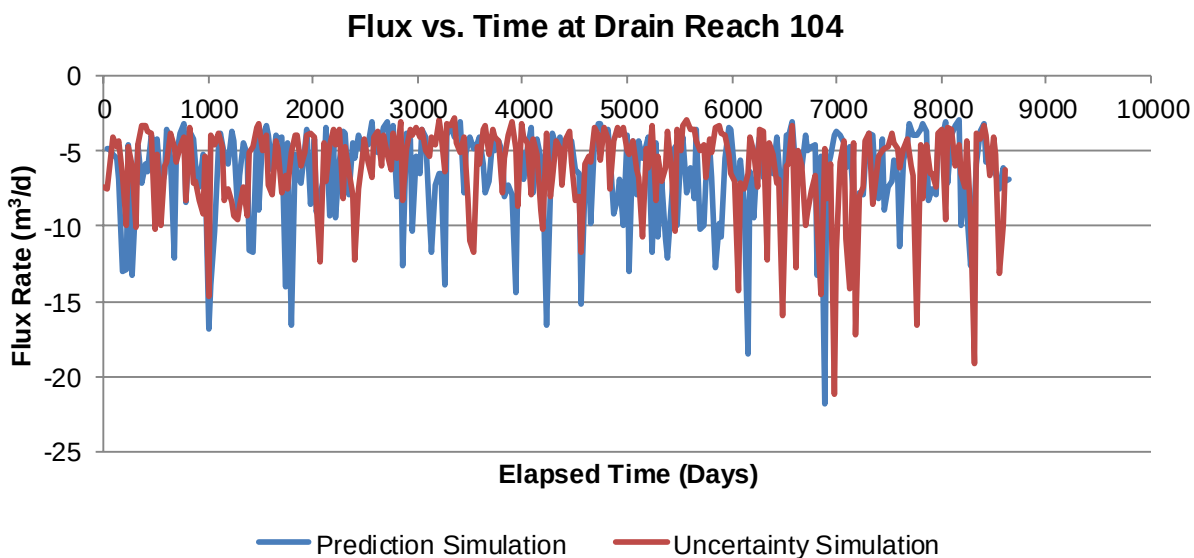
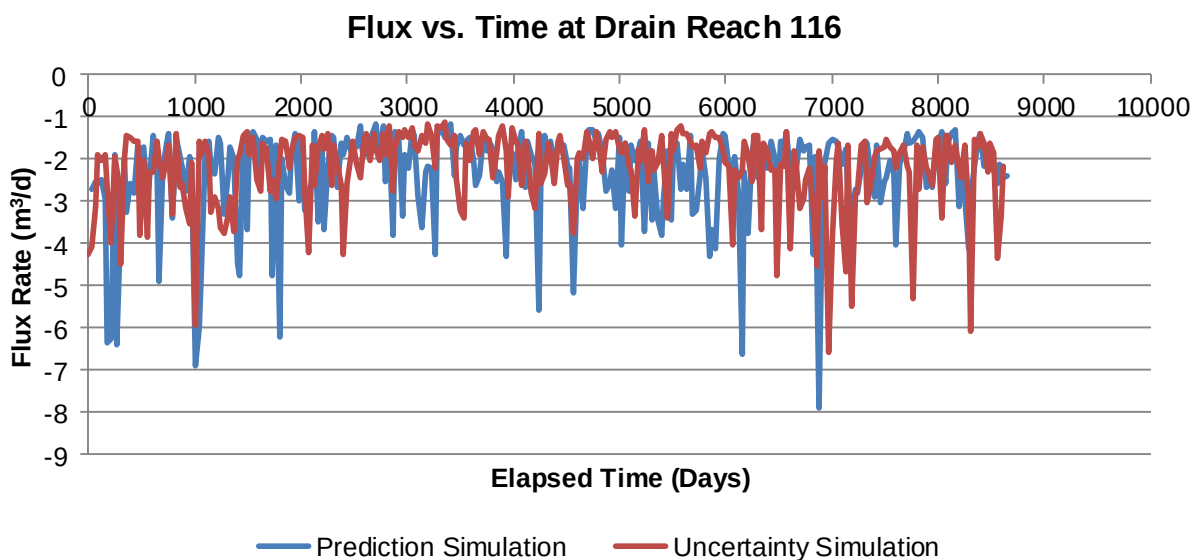


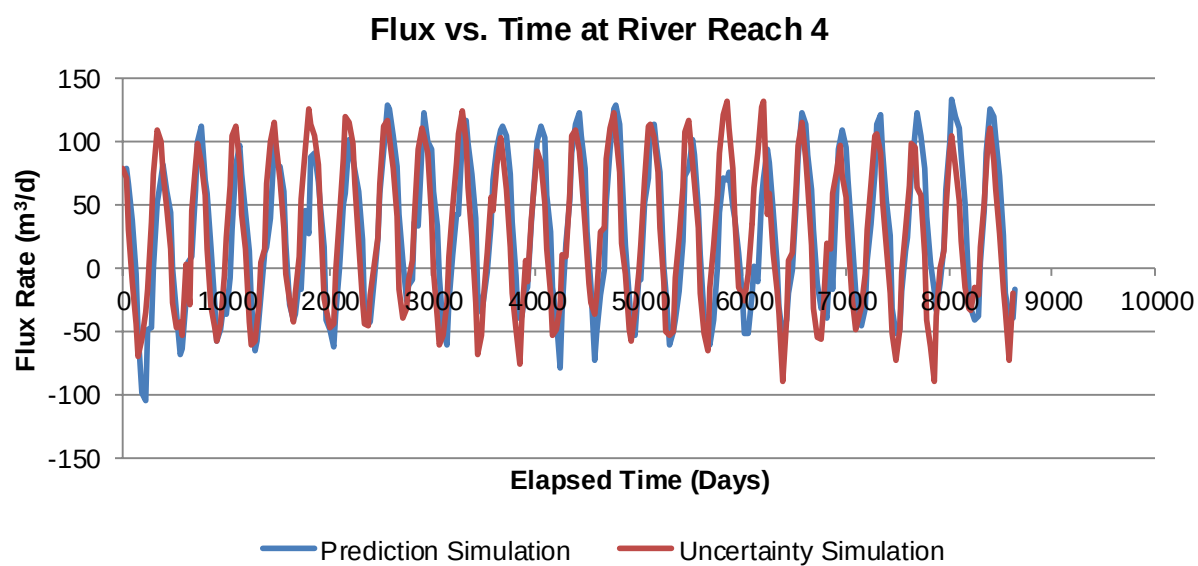
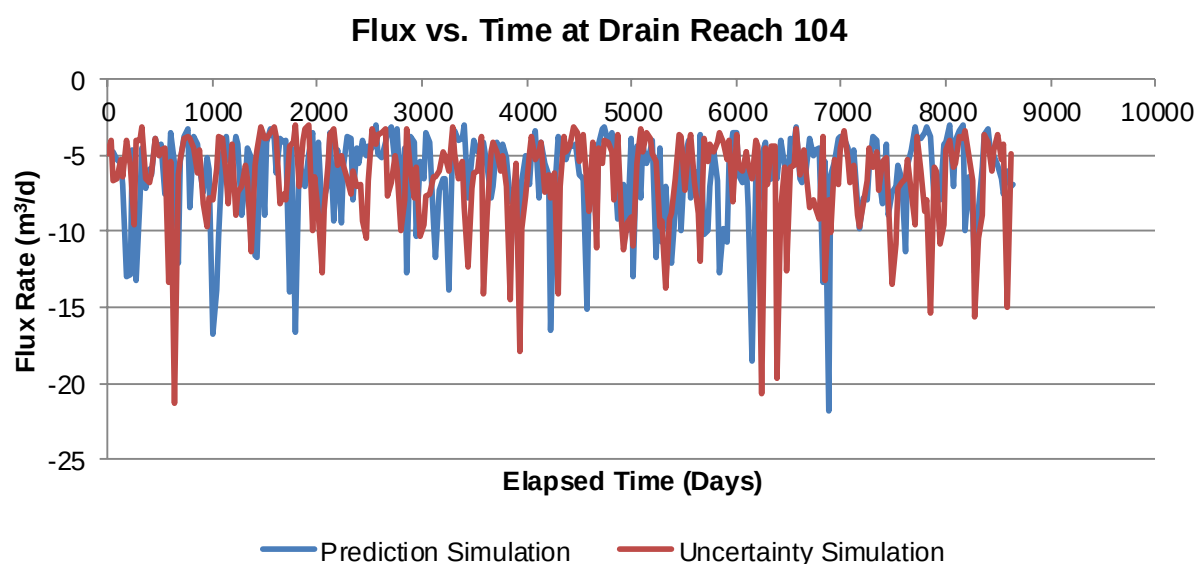
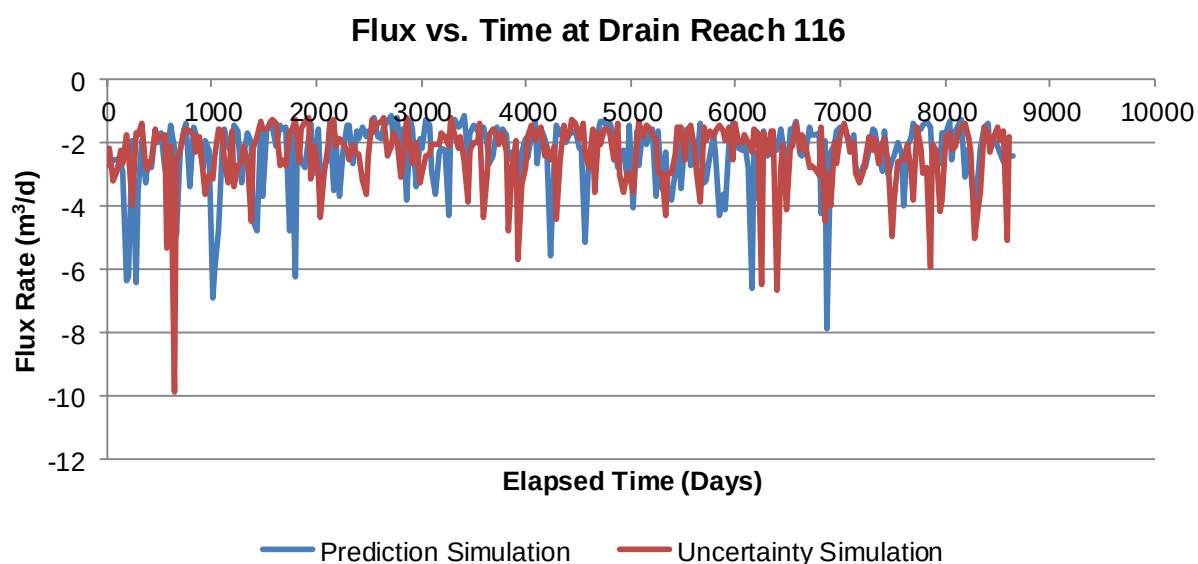
Prediction Simulation — Uncertainty Analysis - High Rainfall

Flux vs. Time at Pit 1 Portal (Drain Reach 54)

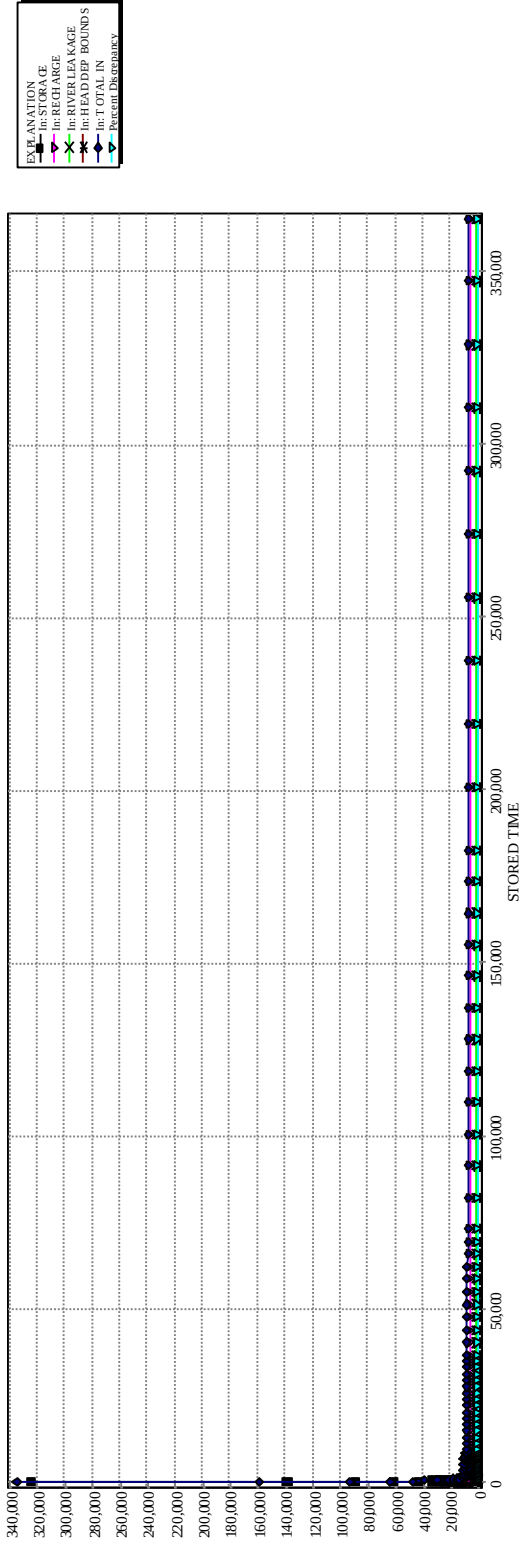


Prediction Simulation — Uncertainty Analysis - High Rainfall

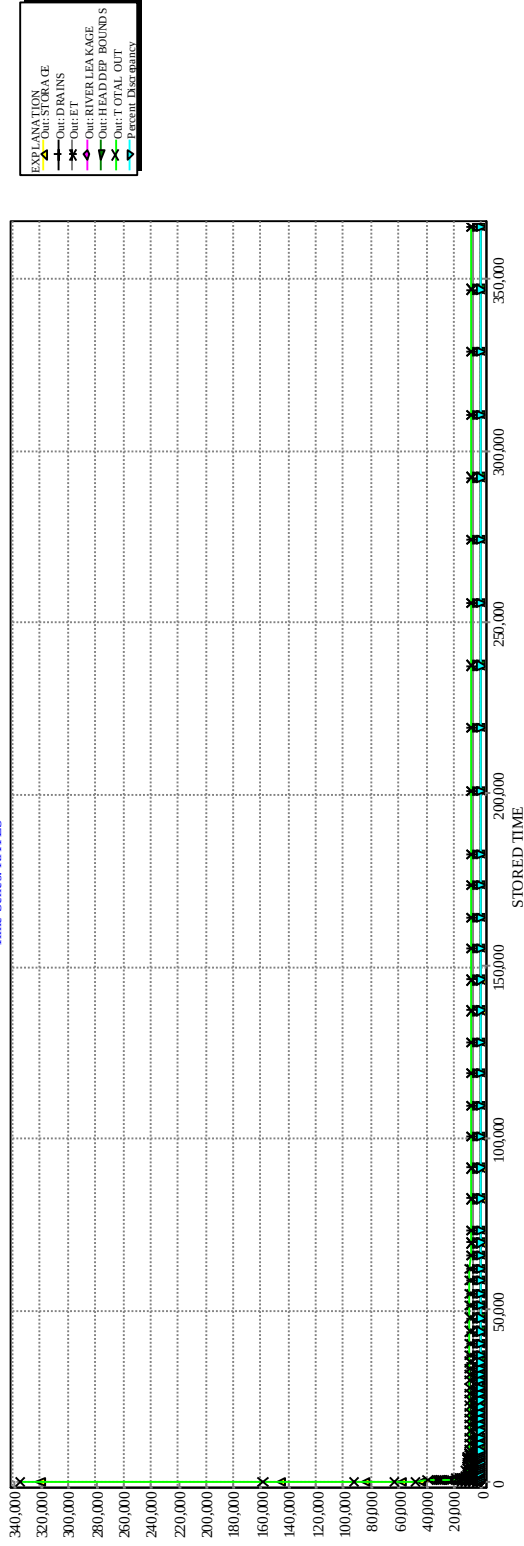




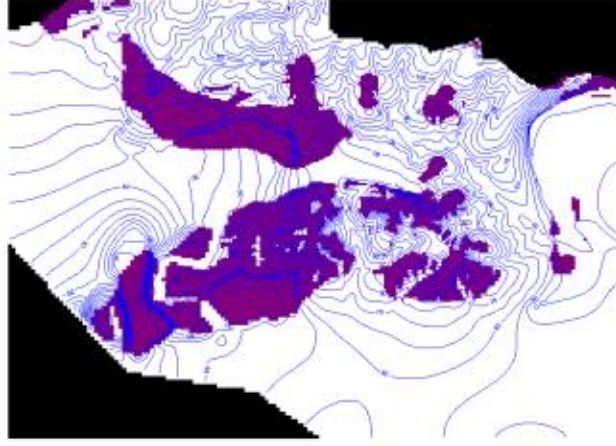
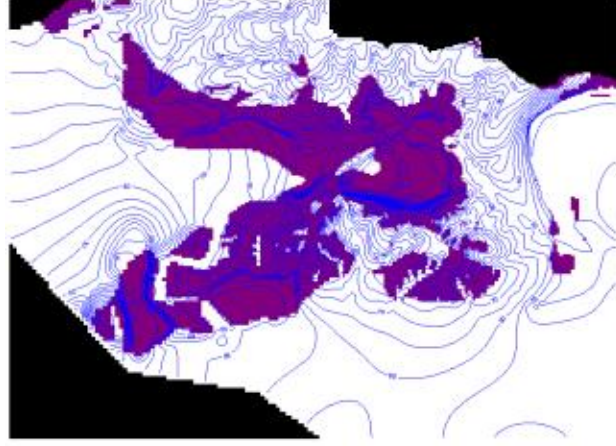
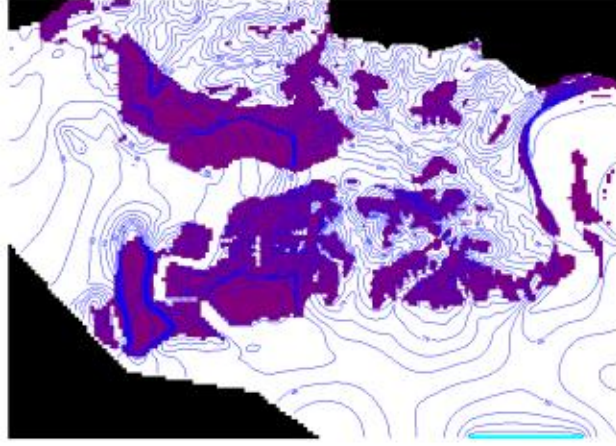
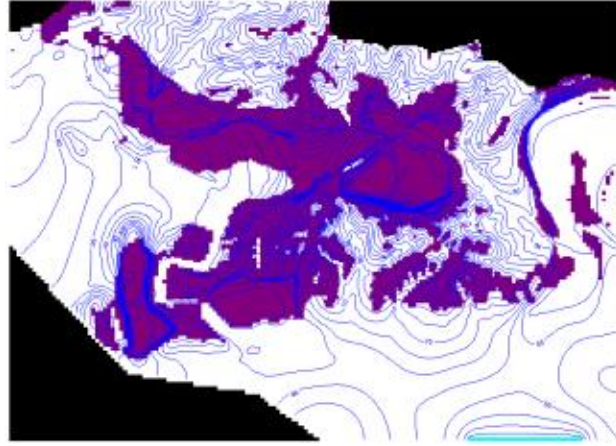
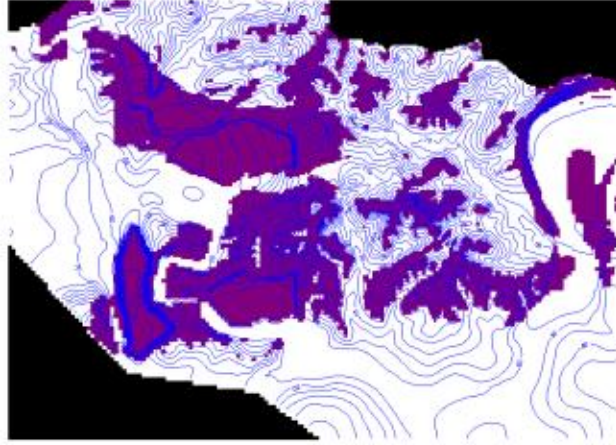
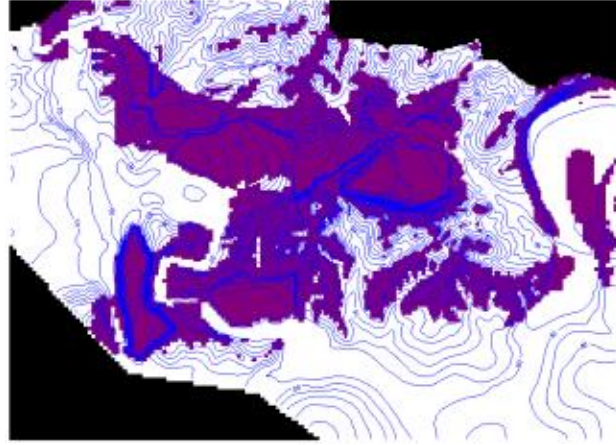
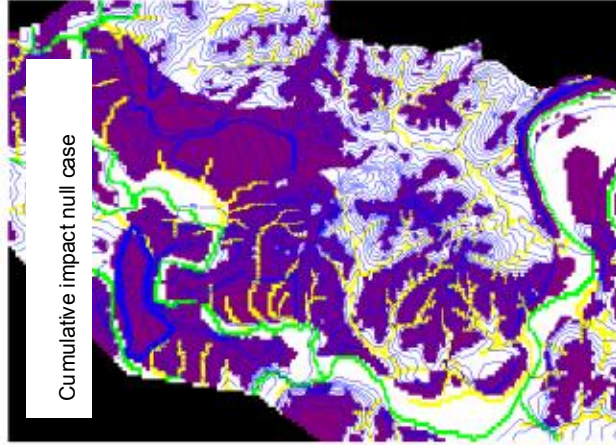
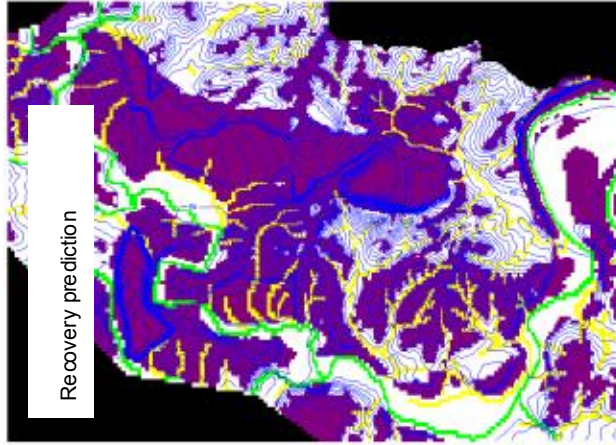
Time Series: RATES



Time Series: RATES



015a_RCV-MP1_05a.gww

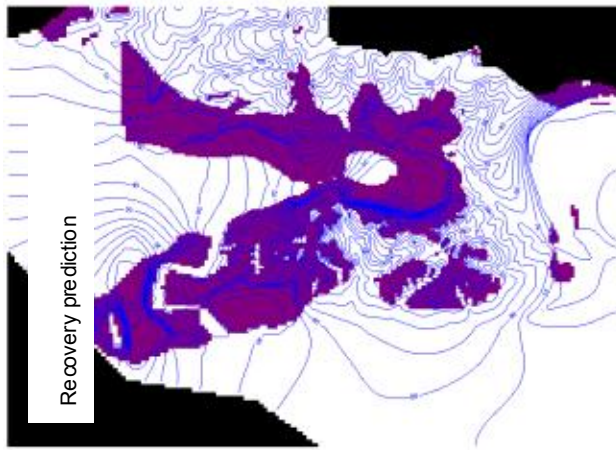


Layer 1

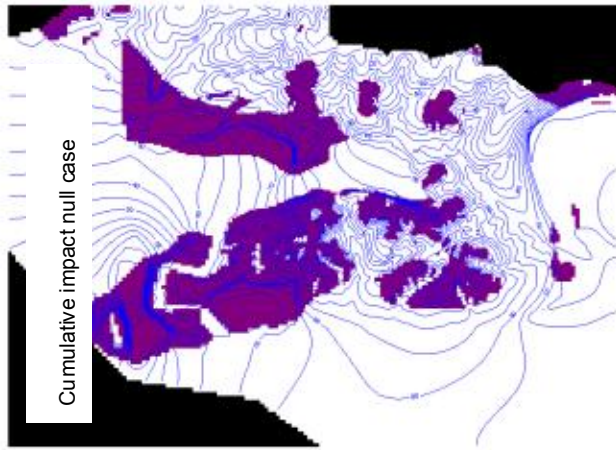
Layer 2

Layer 3

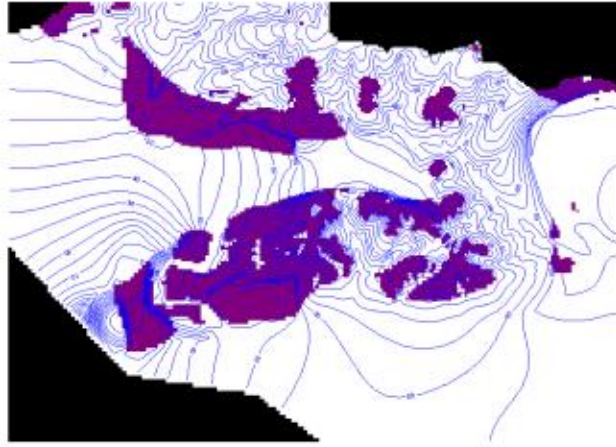
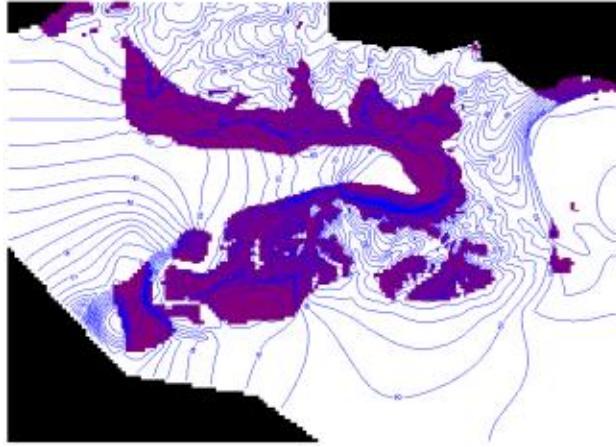
Layer 4



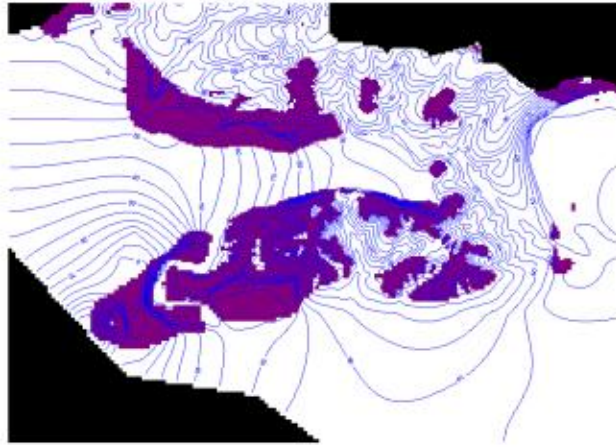
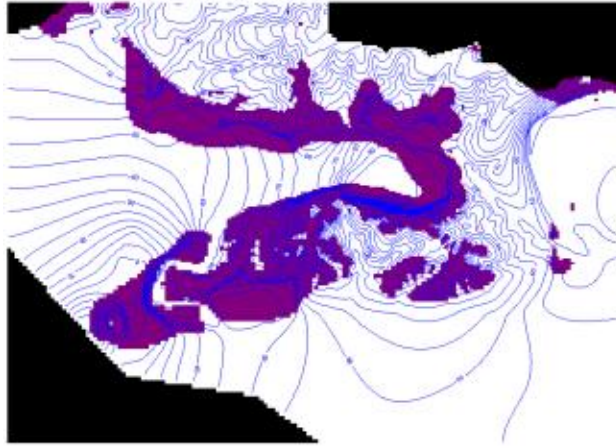
Layer 5



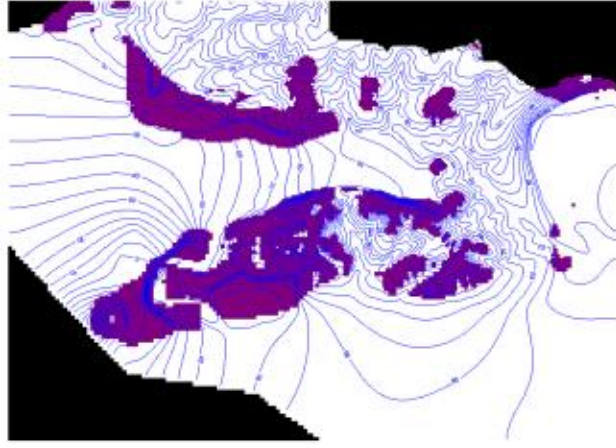
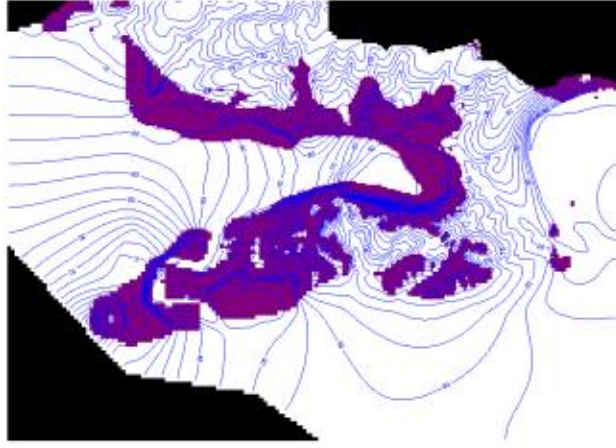
Layer 6

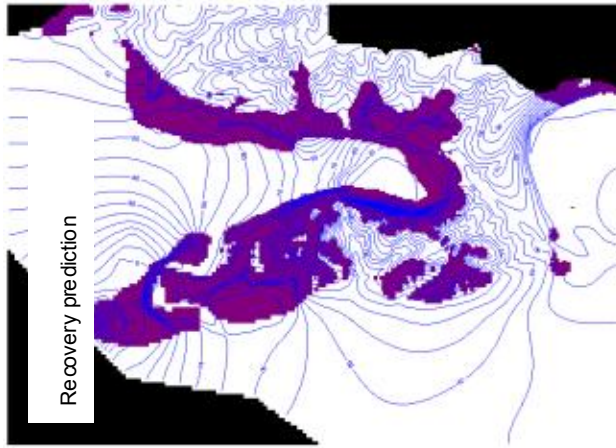


Layer 7

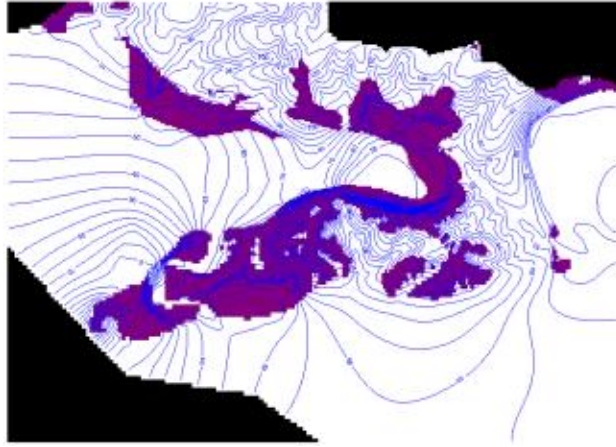


Layer 8

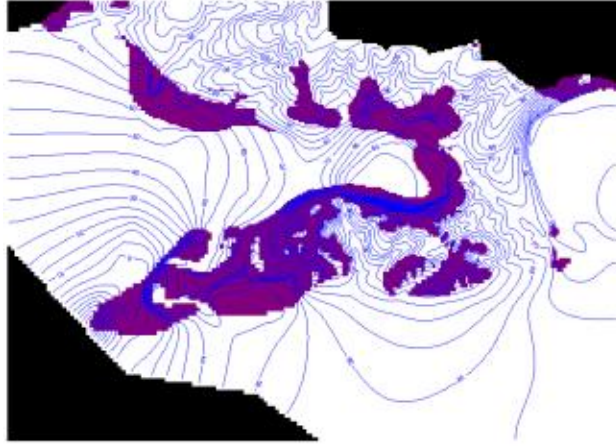




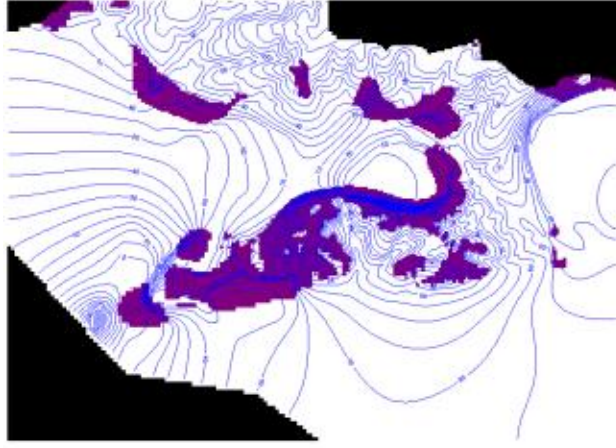
Layer 9



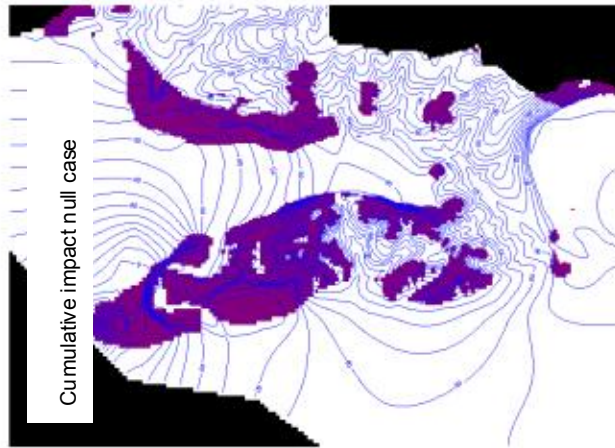
Layer 10



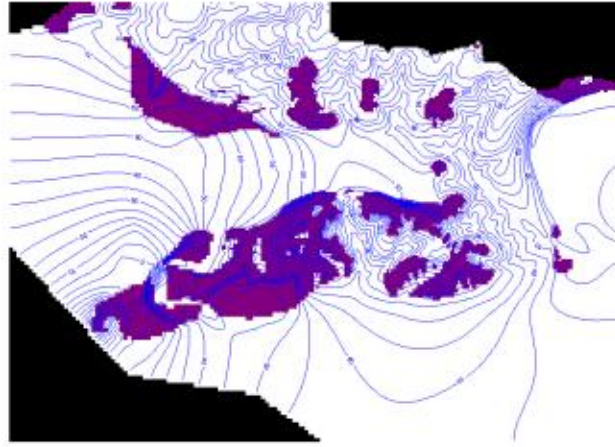
Layer 11



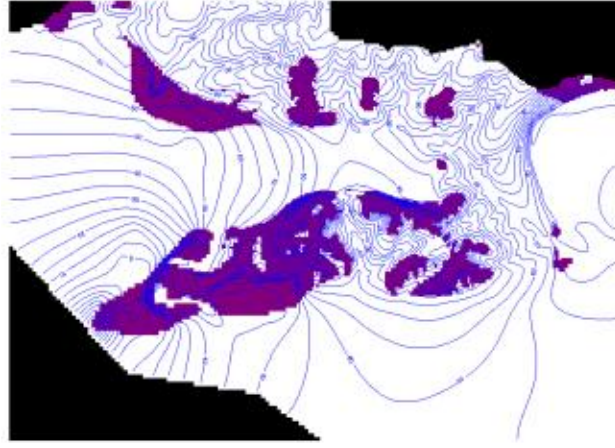
Layer 12



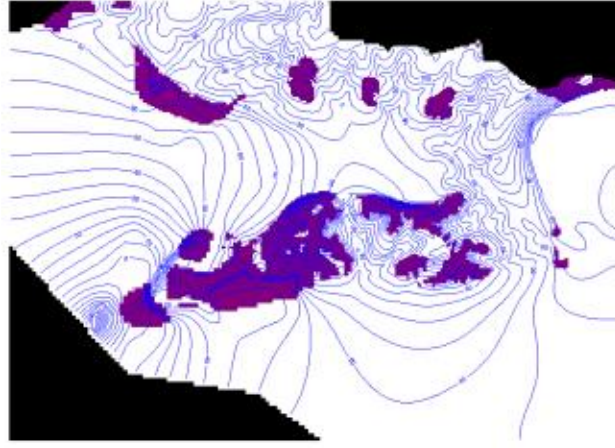
Layer 9



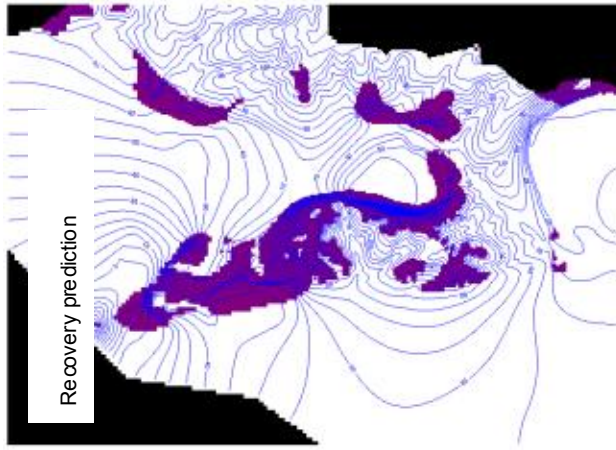
Layer 10



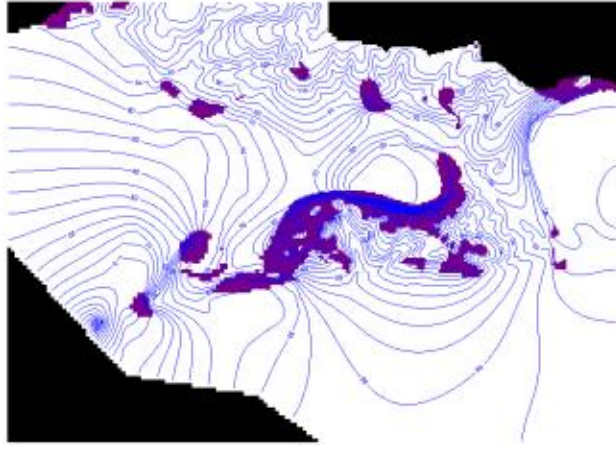
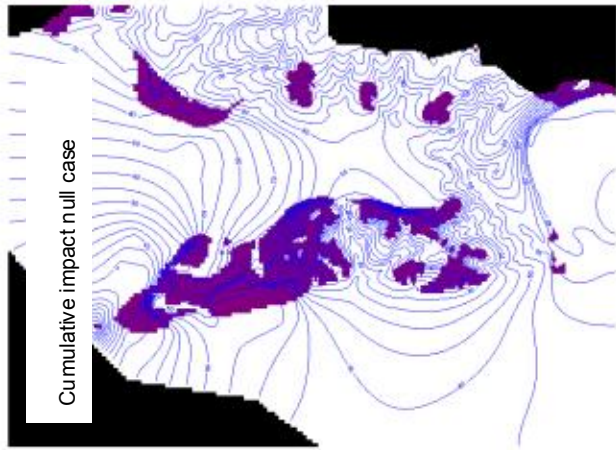
Layer 11



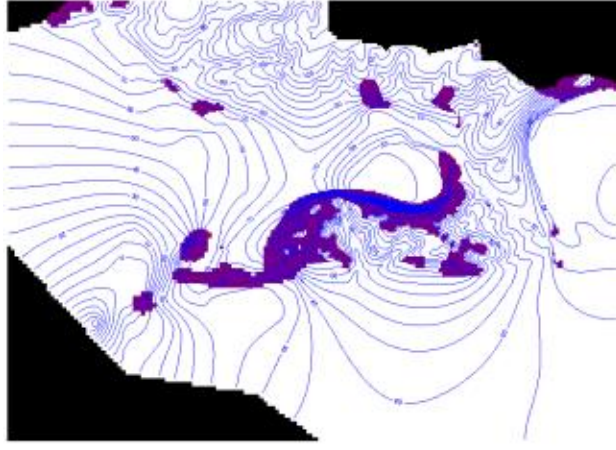
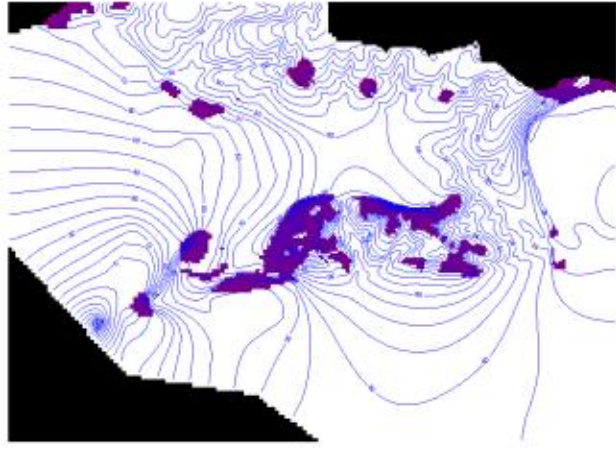
Layer 12



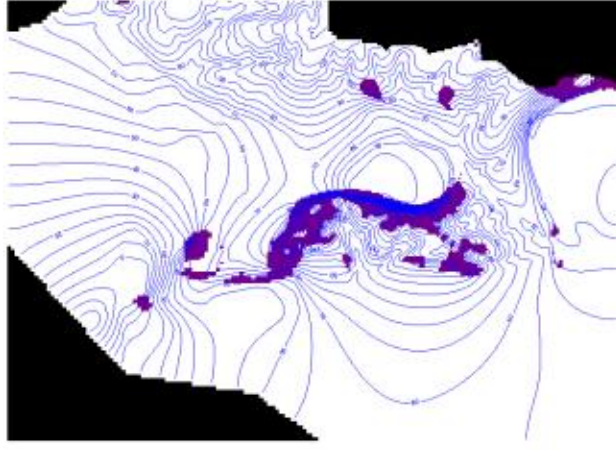
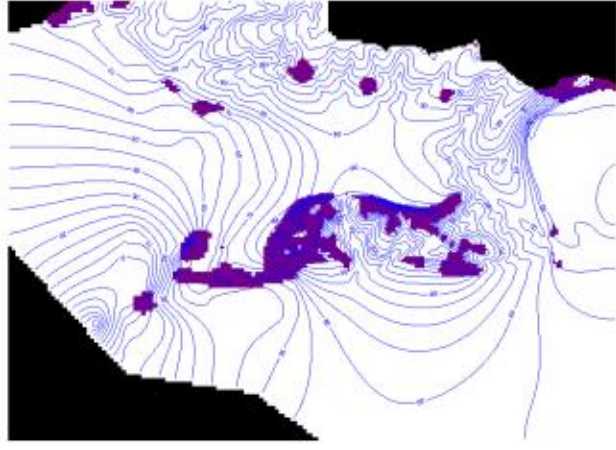
Layer 13



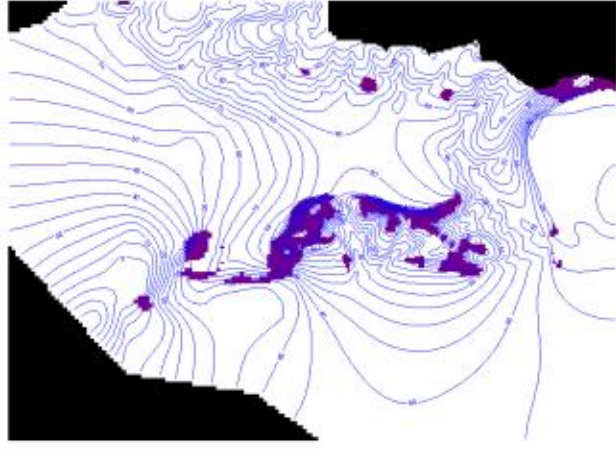
Layer 14

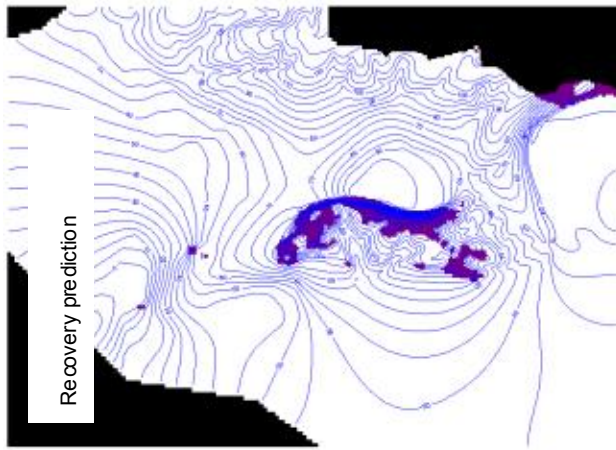


Layer 15

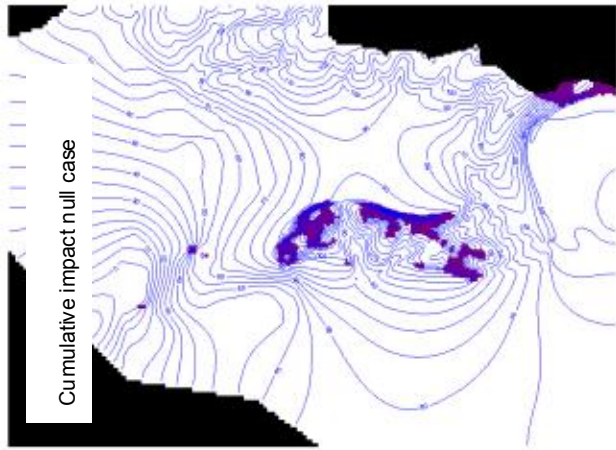


Layer 16



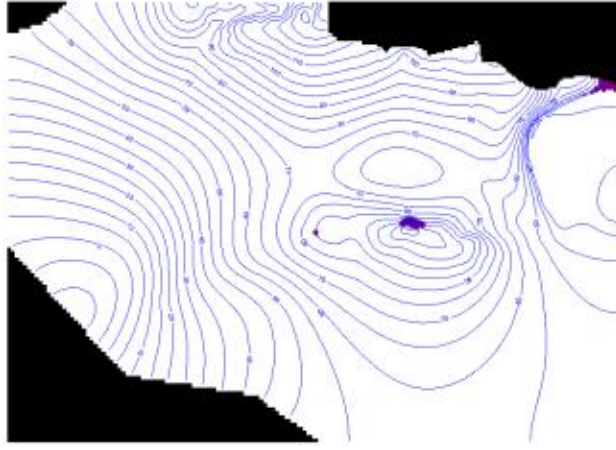


Recovery prediction

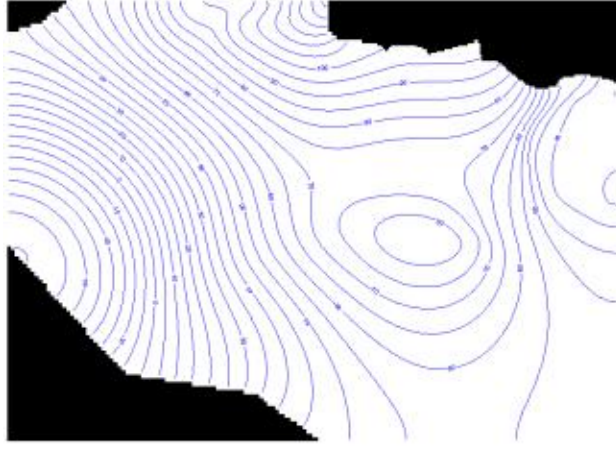
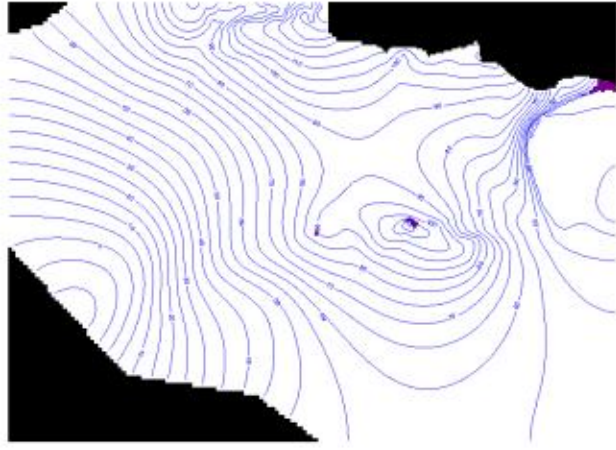


Cumulative impact null case

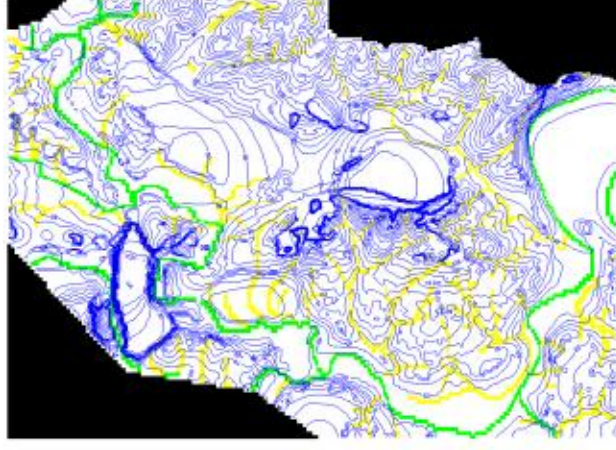
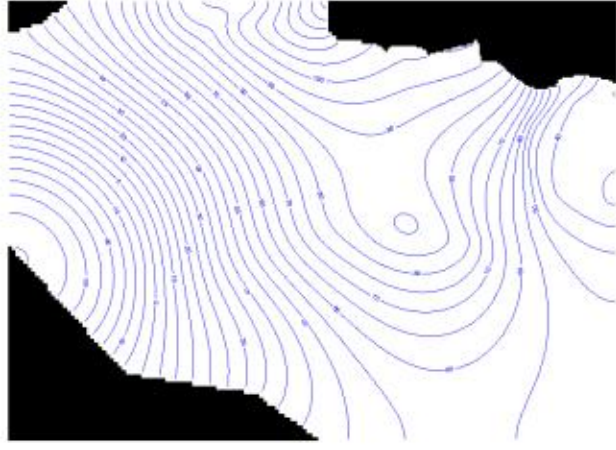
Layer 17



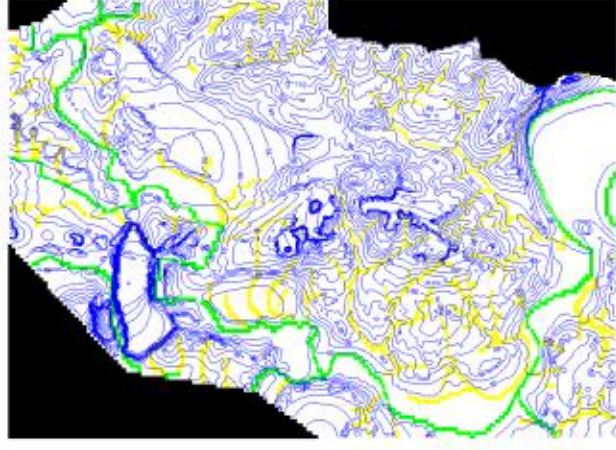
Layer 18

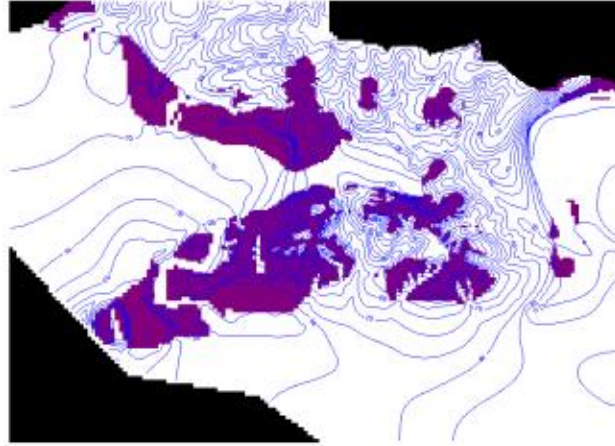
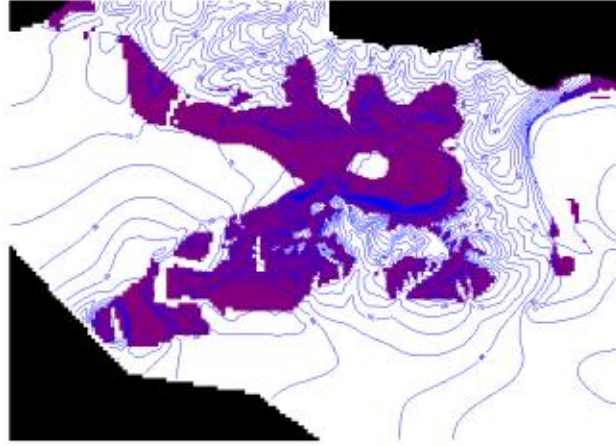
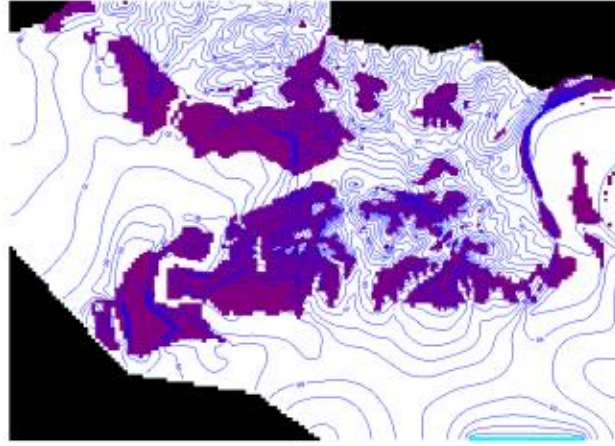
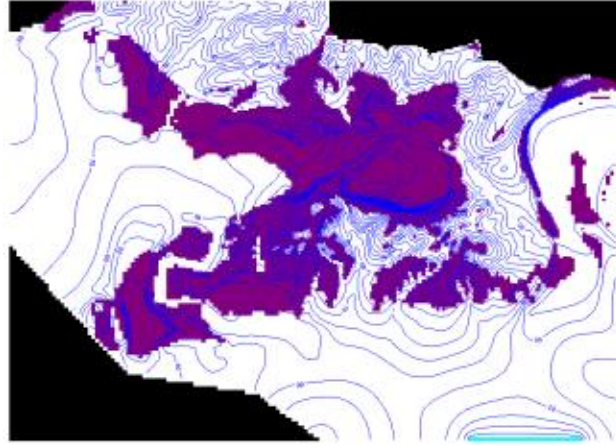
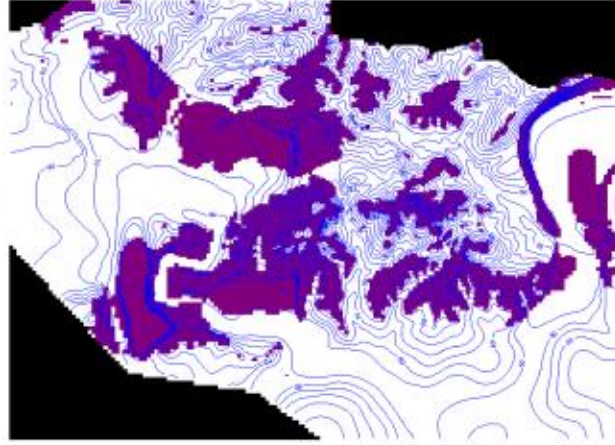
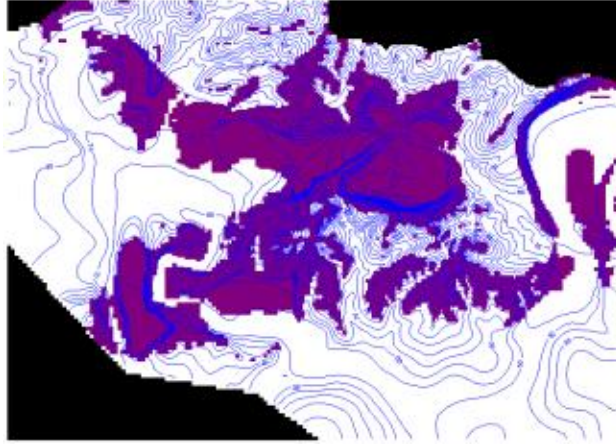
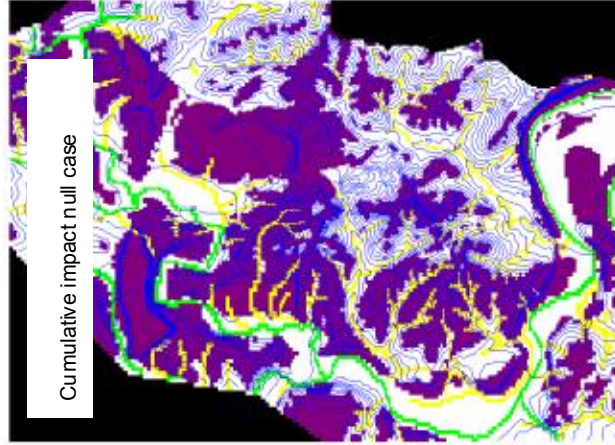
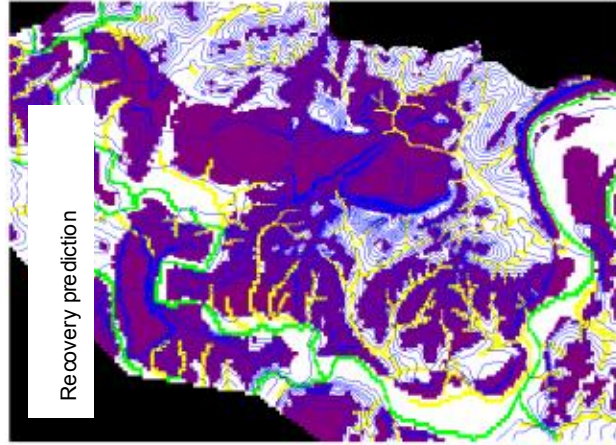


Layer 19



Uppermost Water Table



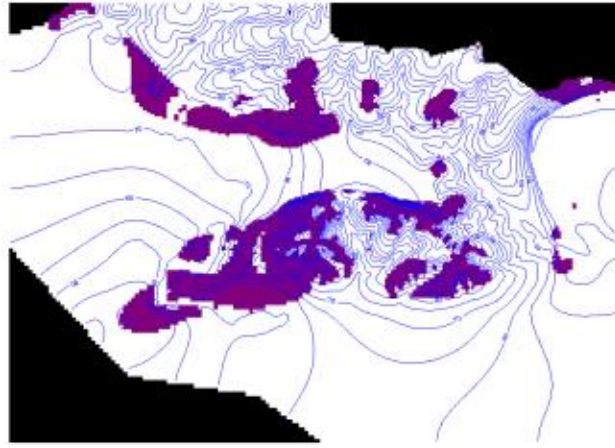
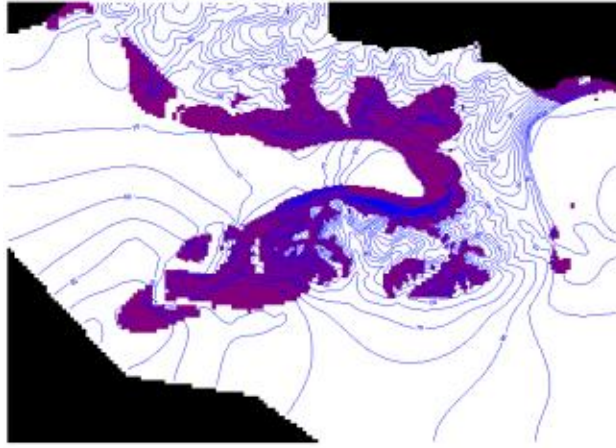
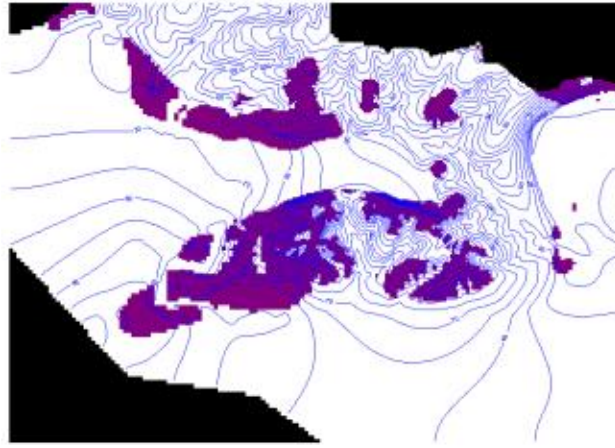
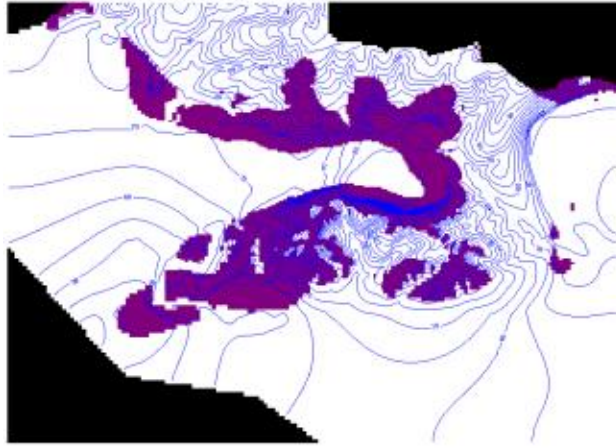
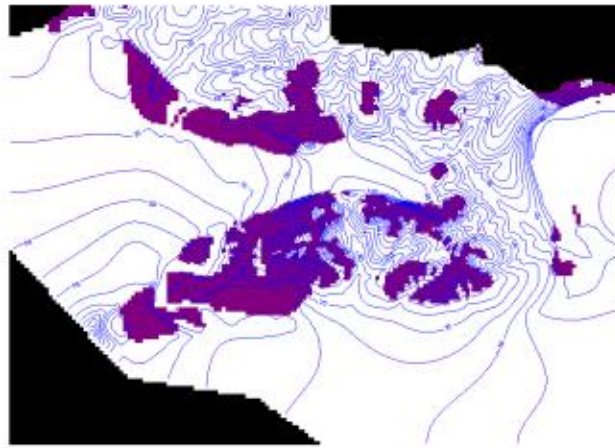
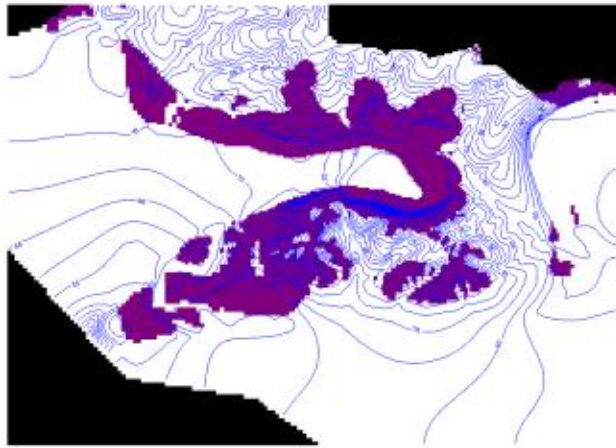
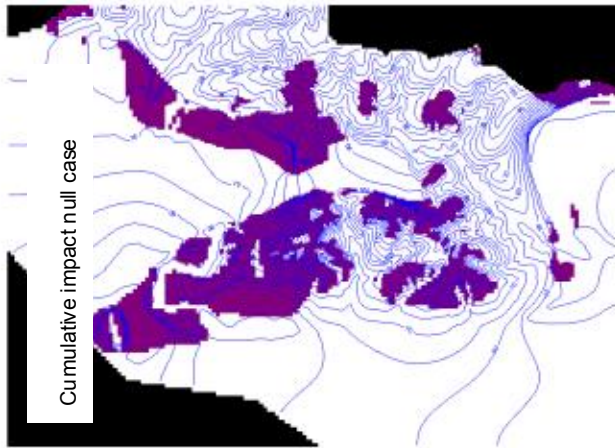
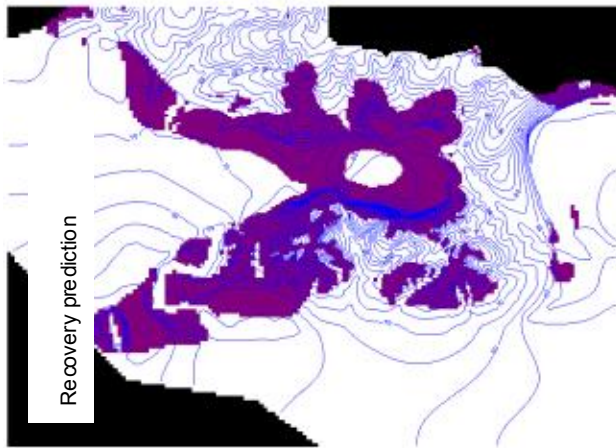


Layer 1

Layer 2

Layer 3

Layer 4

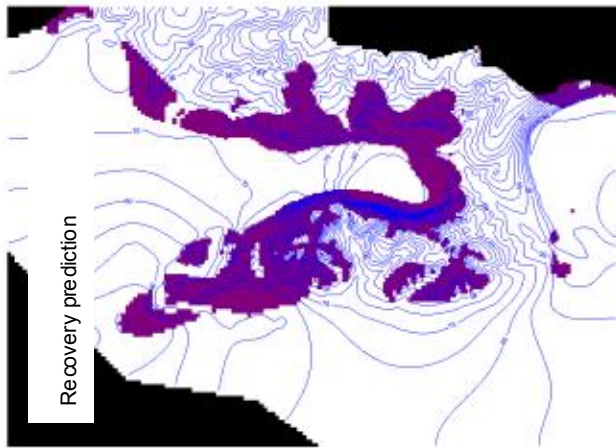


Layer 5

Layer 6

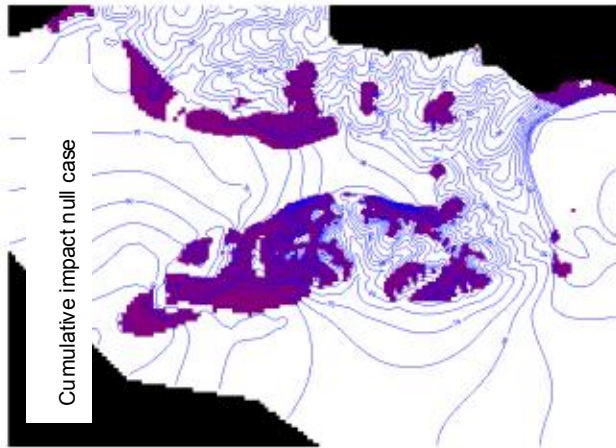
Layer 7

Layer 8



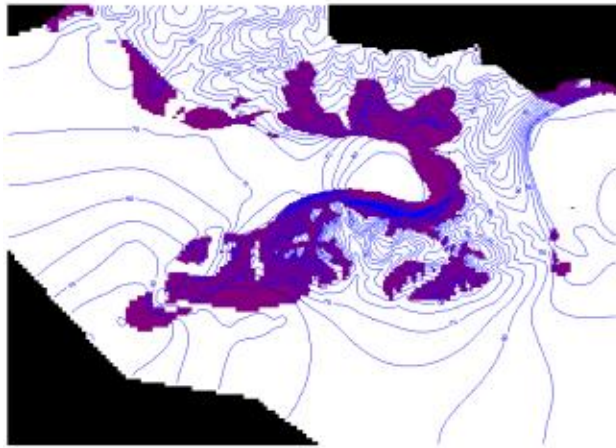
Recovery prediction

Layer 9

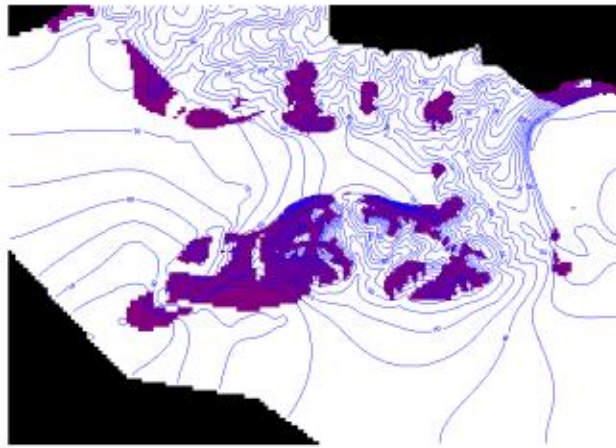


Cumulative impact null case

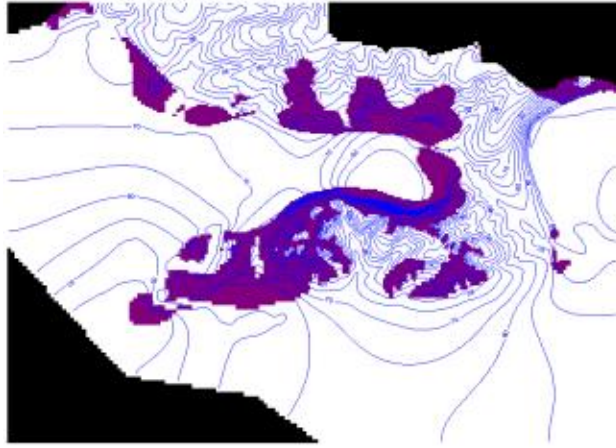
Layer 9



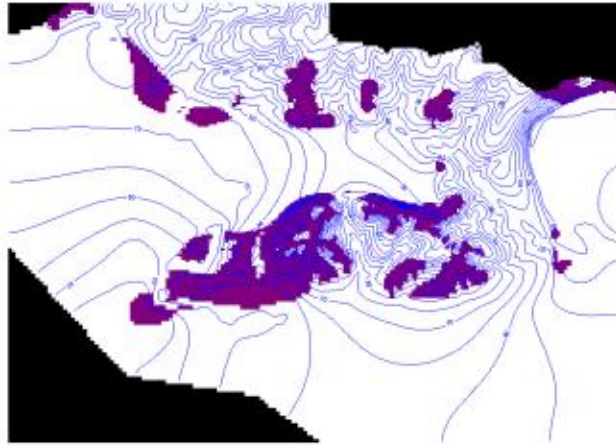
Layer 10



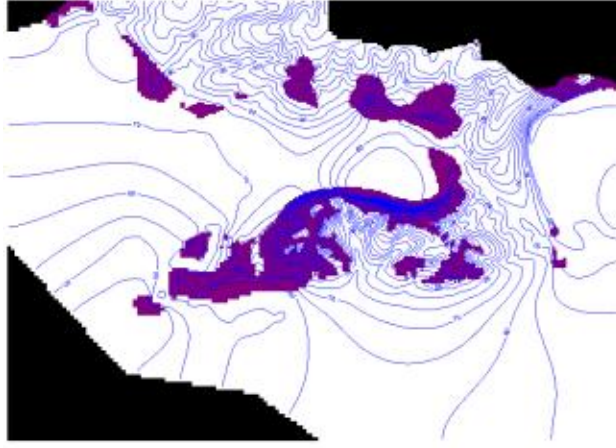
Layer 10



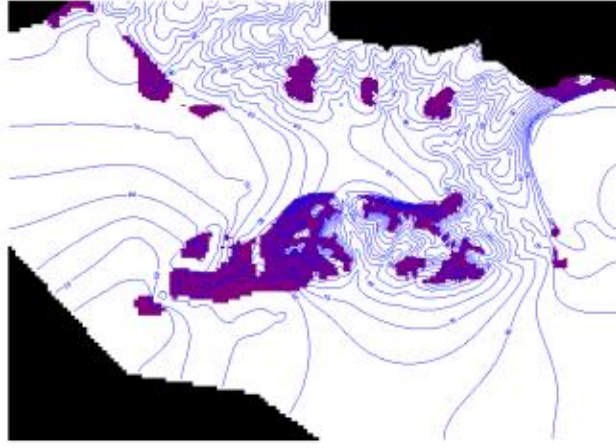
Layer 11



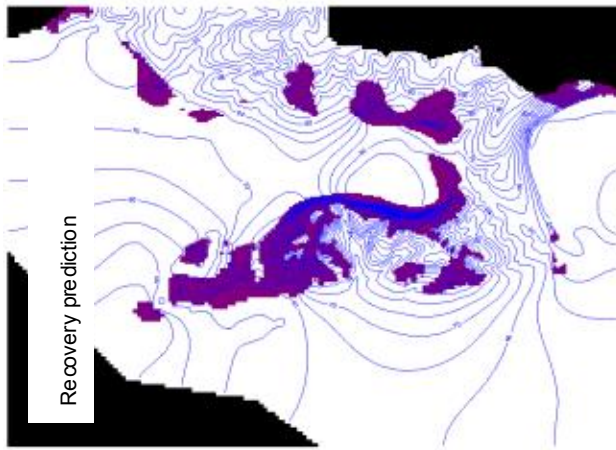
Layer 11



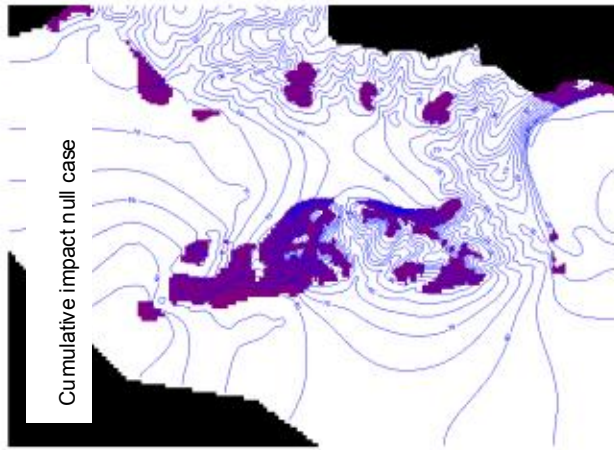
Layer 12



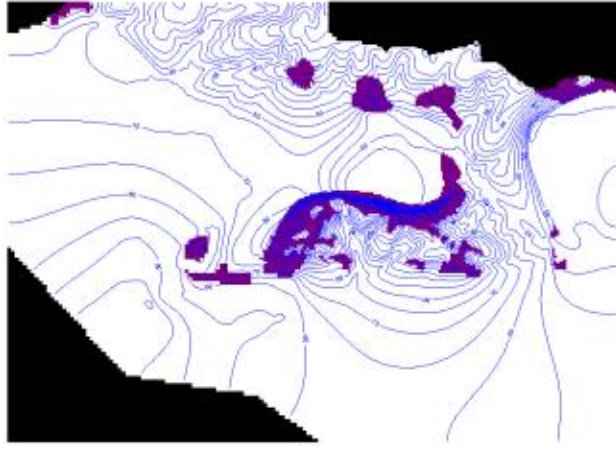
Layer 12



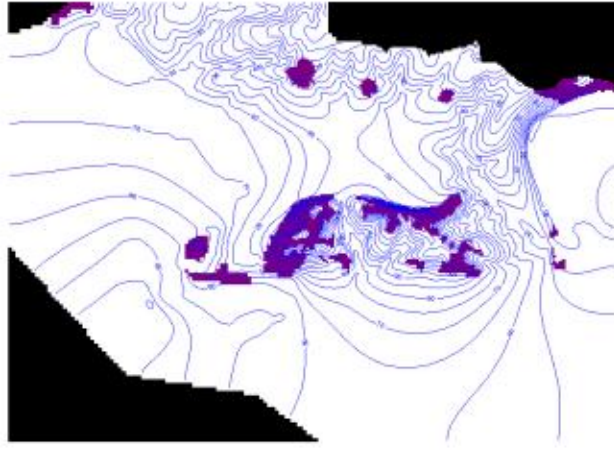
Layer 13



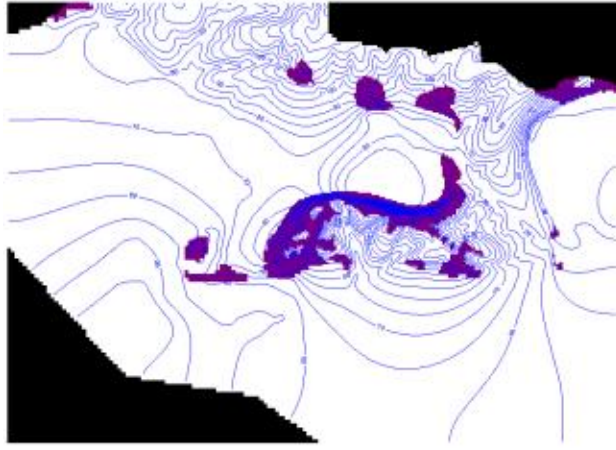
Layer 14



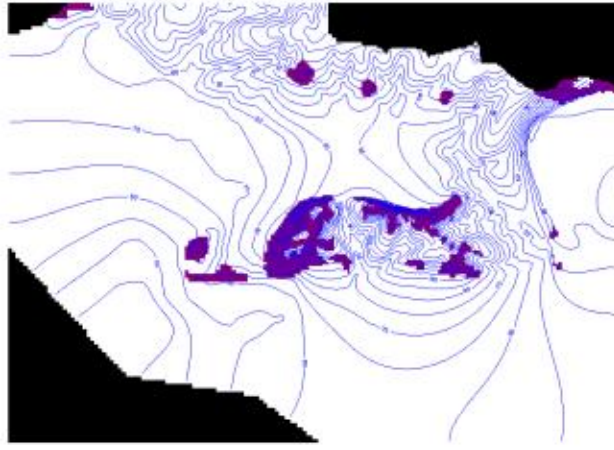
Layer 14



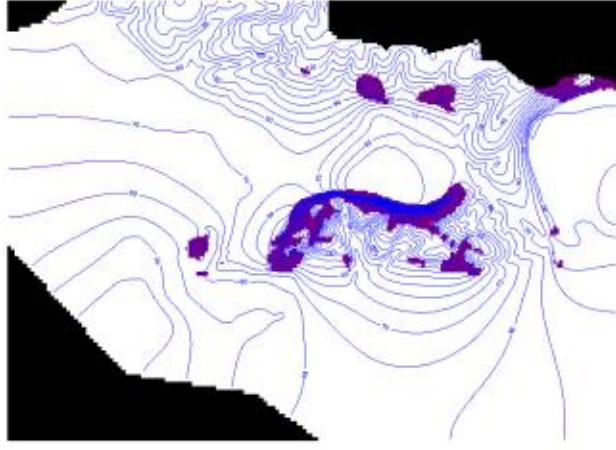
Layer 15



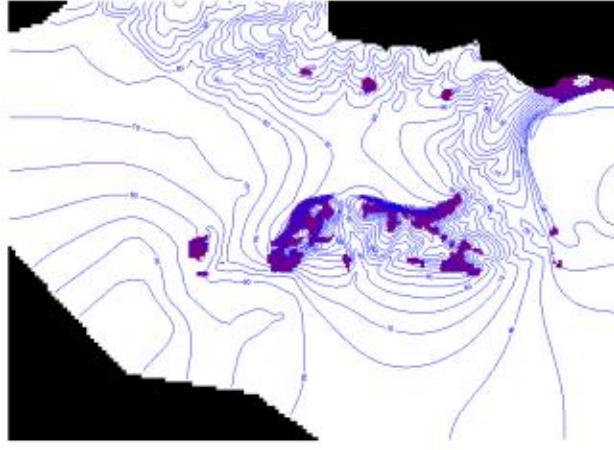
Layer 15

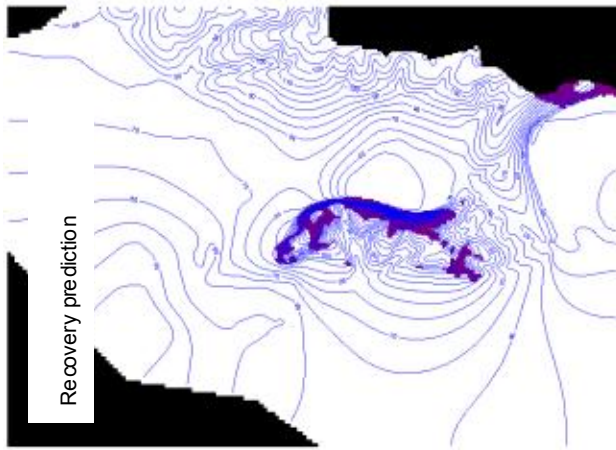


Layer 16

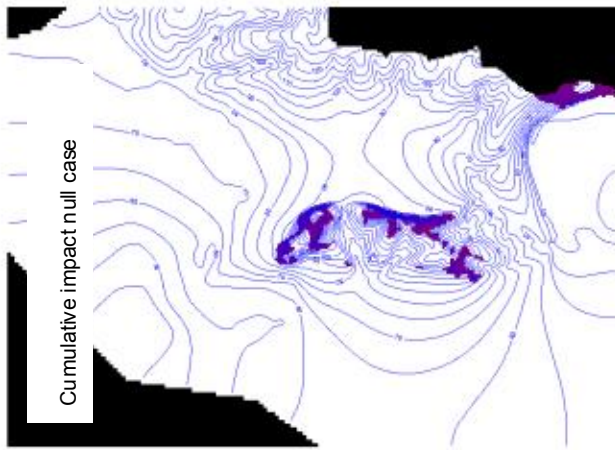


Layer 16



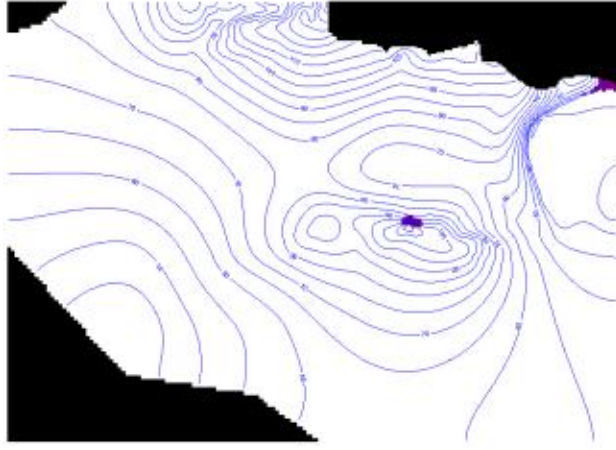


Recovery prediction

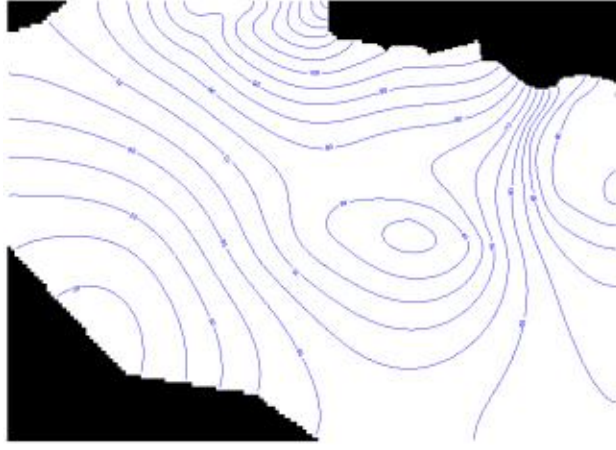
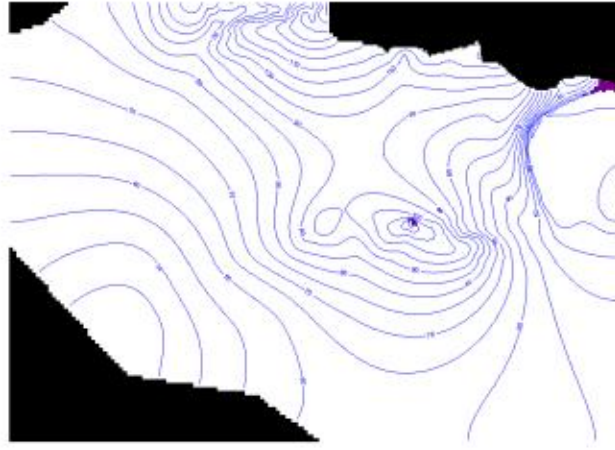


Cumulative impact null case

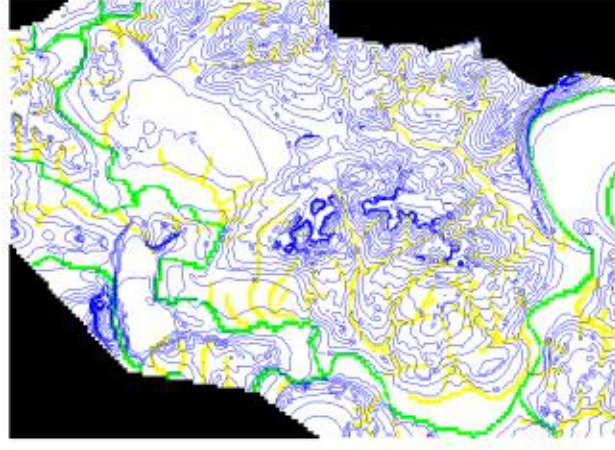
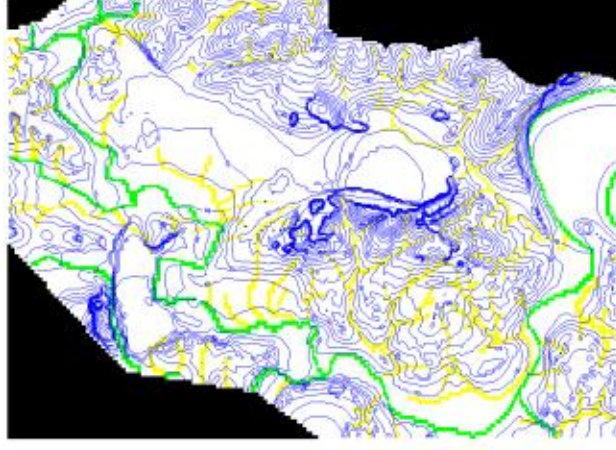
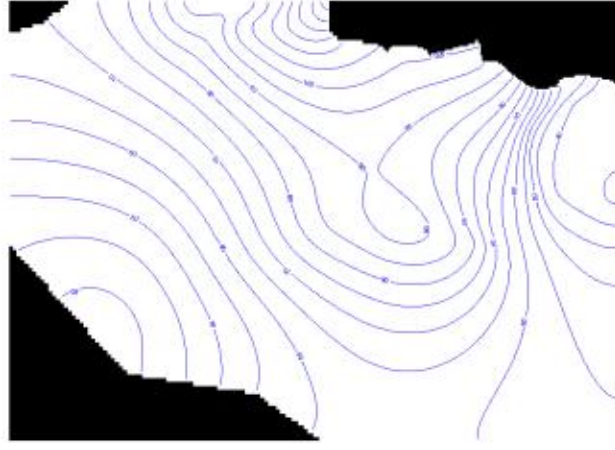
Layer 17



Layer 18

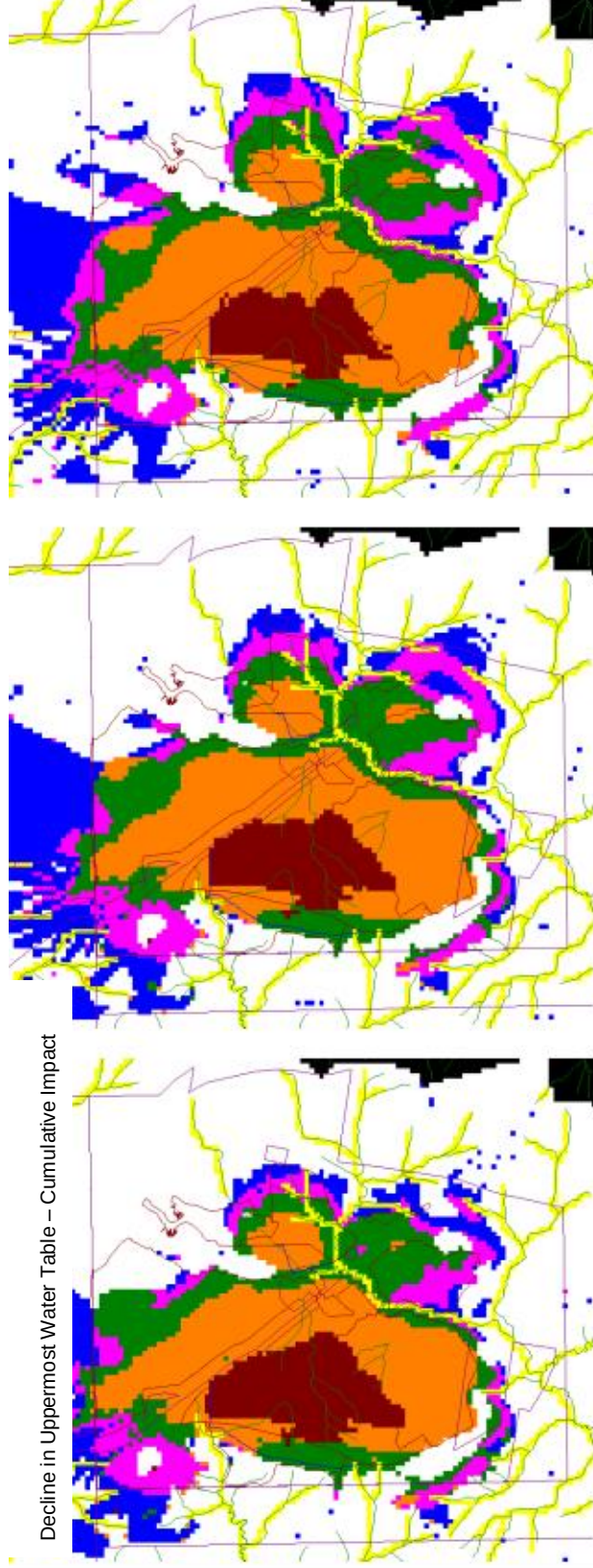


Layer 19



Uppermost Water Table

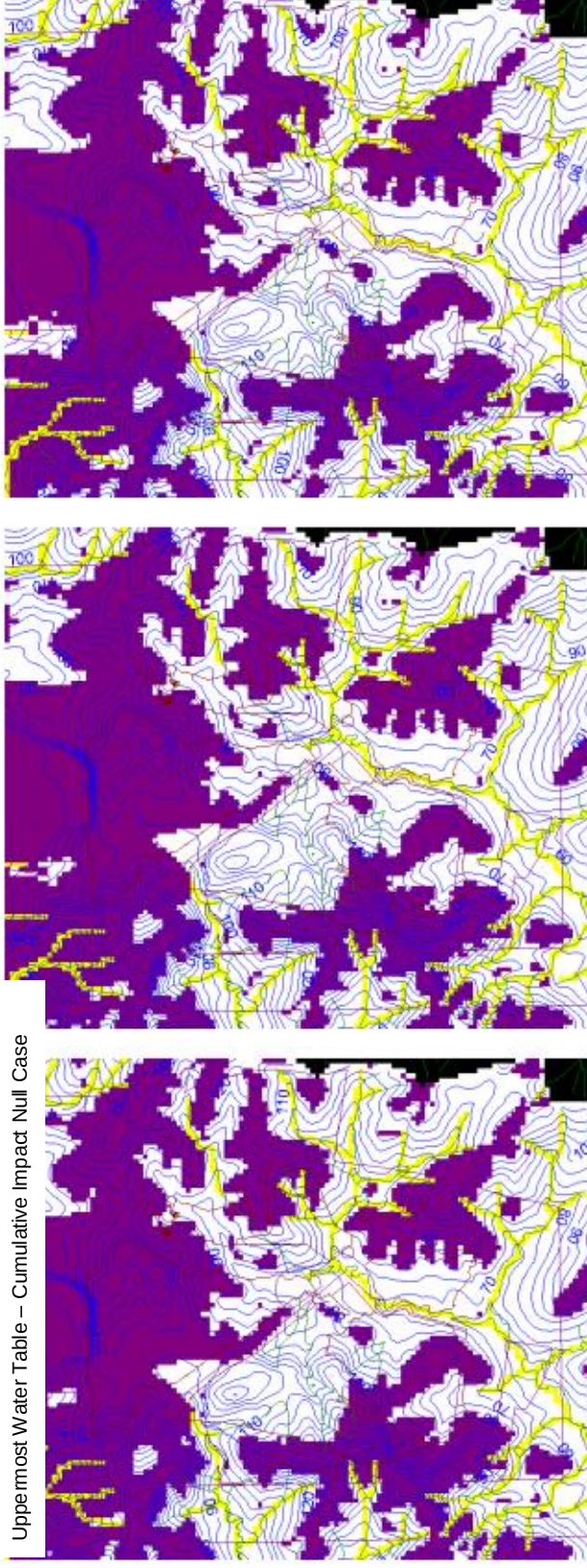
Decline in Uppermost Water Table – Cumulative Impact



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.

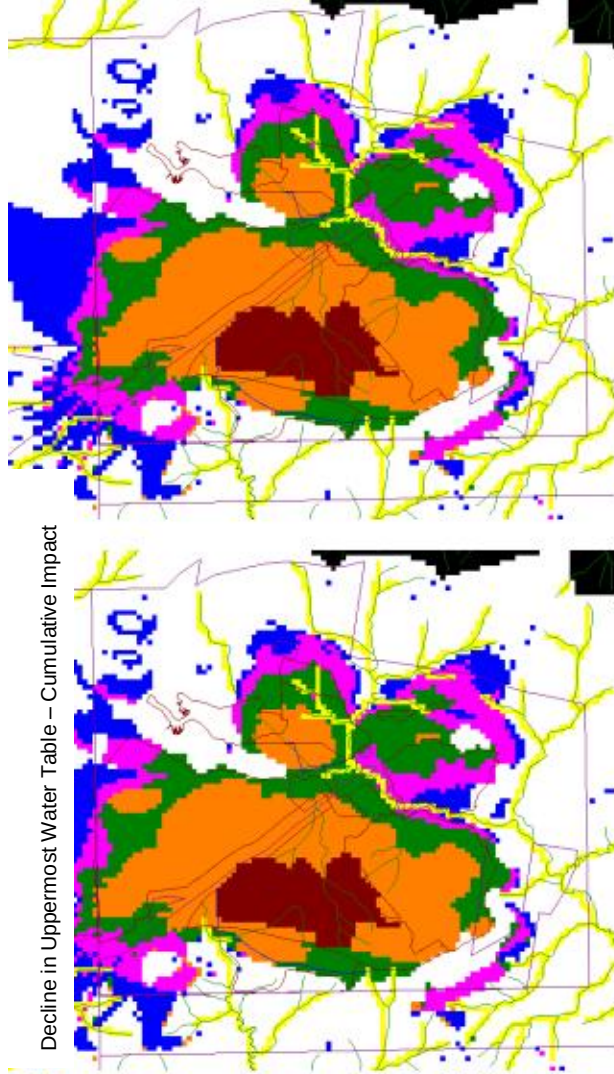
2057 (SP42TS6)

2087 (SP52TS8)

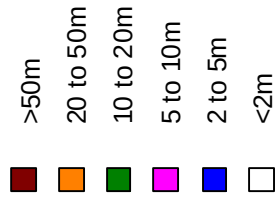
2137 (SP62TS8)

015a_RCV-NUL_01a.gww

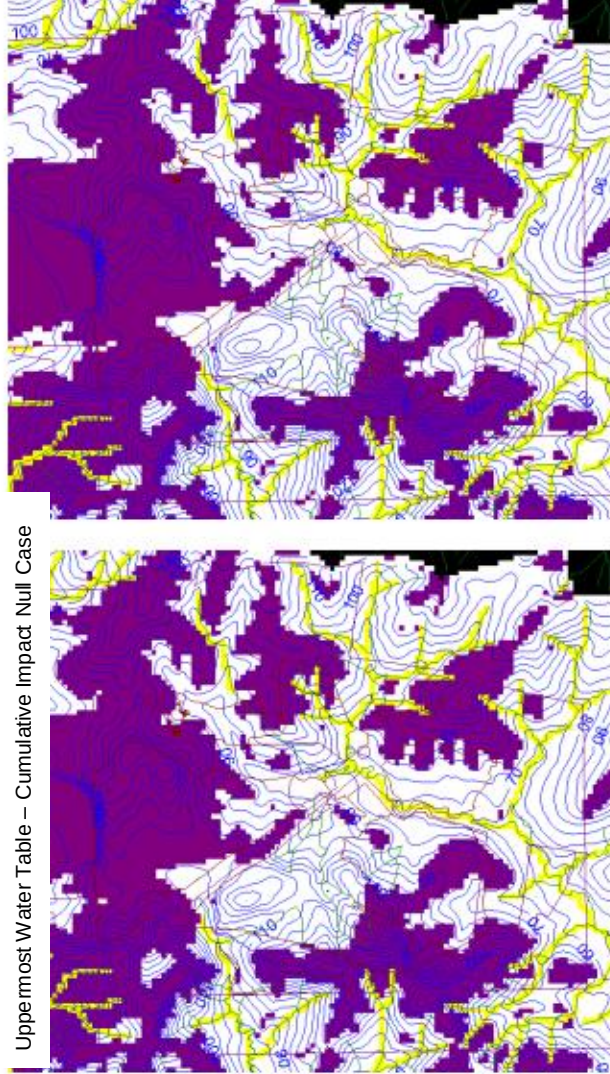
Decline in Uppermost Water Table – Cumulative Impact



Decline (m):



Uppermost Water Table – Cumulative Impact Null Case



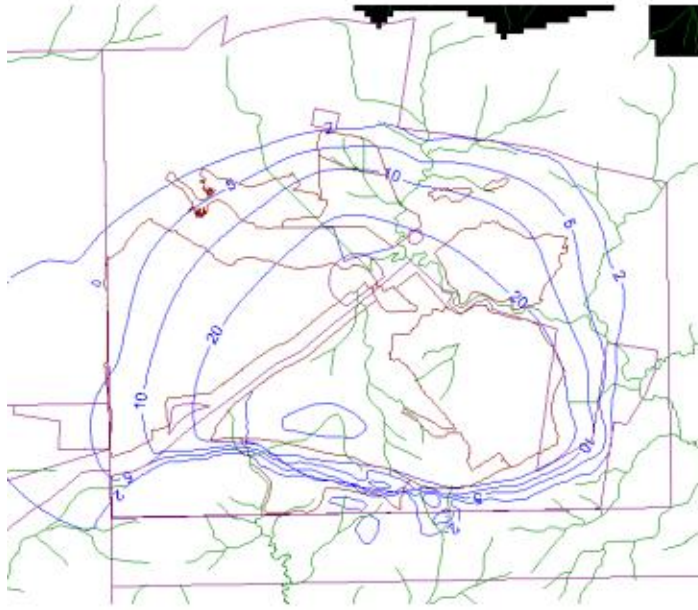
Notes. 1) Dry cells in the lower images, displayed in purple, are with respect to heads from Layer 1; 2) Contours are highest water table, however, not necessarily residing in Layer 1.

2237 (SP72TS8)

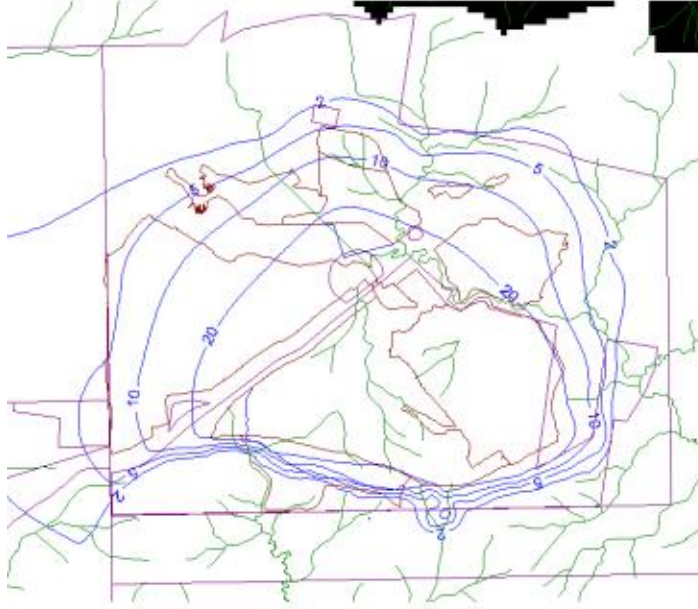
3037 (SP94TS11)

015a_RCV-NUL_01a.gww

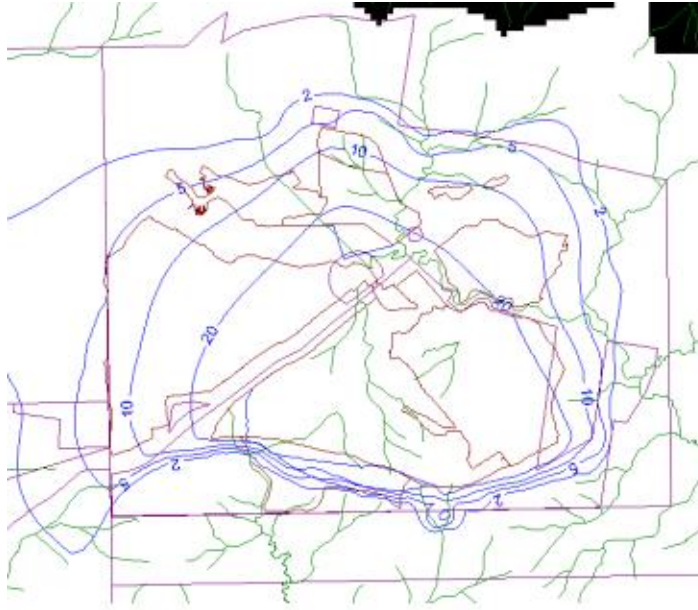
Drawdown due to Cumulative Impact



2057 (SP42TS6)



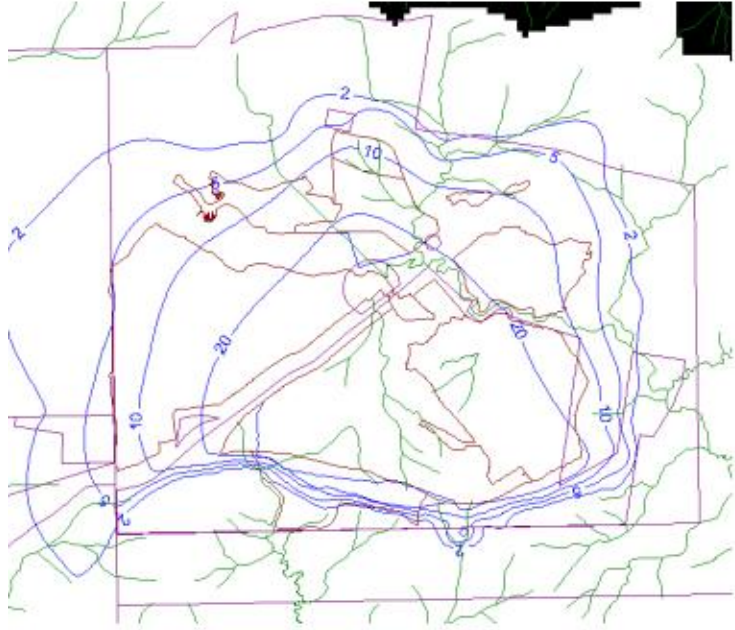
2087 (SP52TS8)



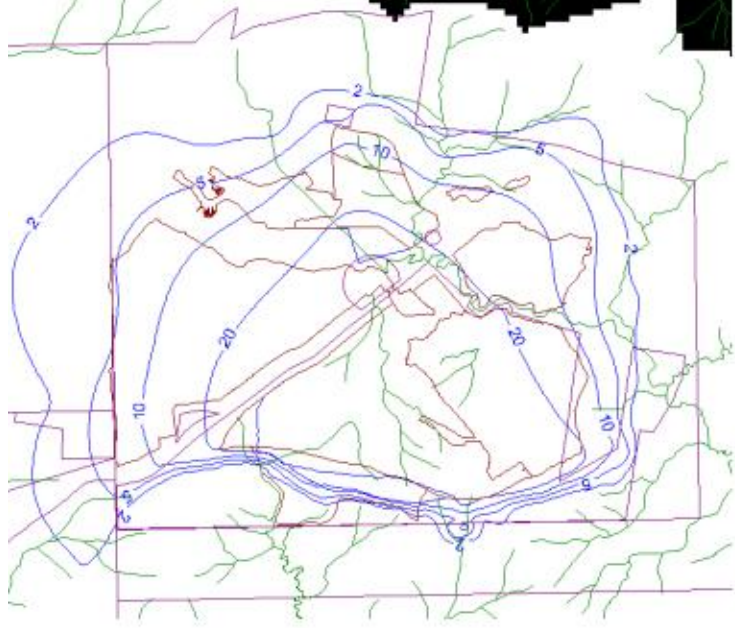
2137 (SP62TS8)

015a_RCV-NUL_01a.gww

Drawdown due to Cumulative Impact

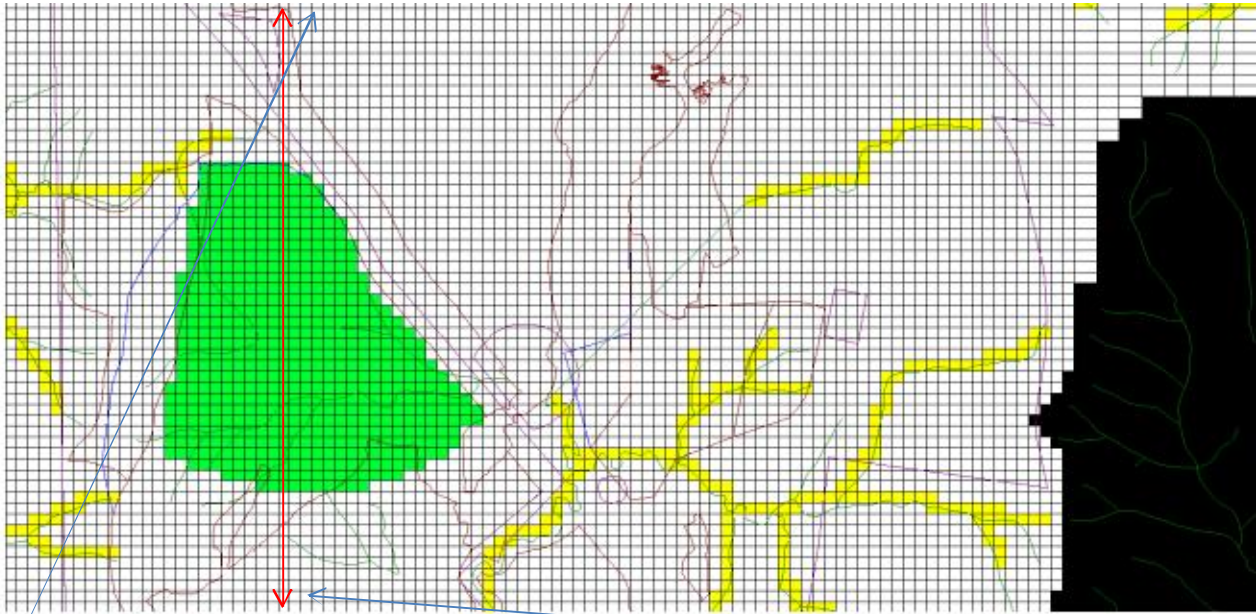


2237 (SP72TS8)



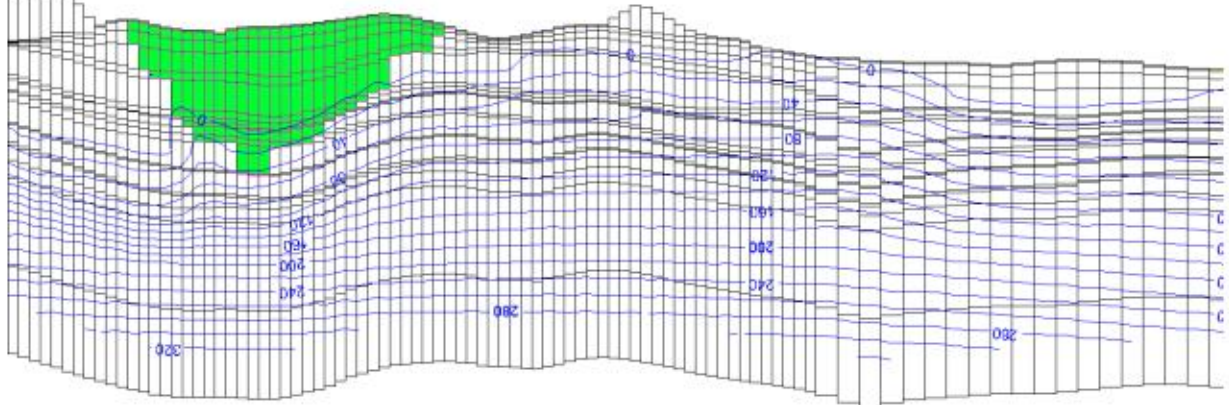
3037 (SP94TS11)

015a_RCV-NUL_01a.gww

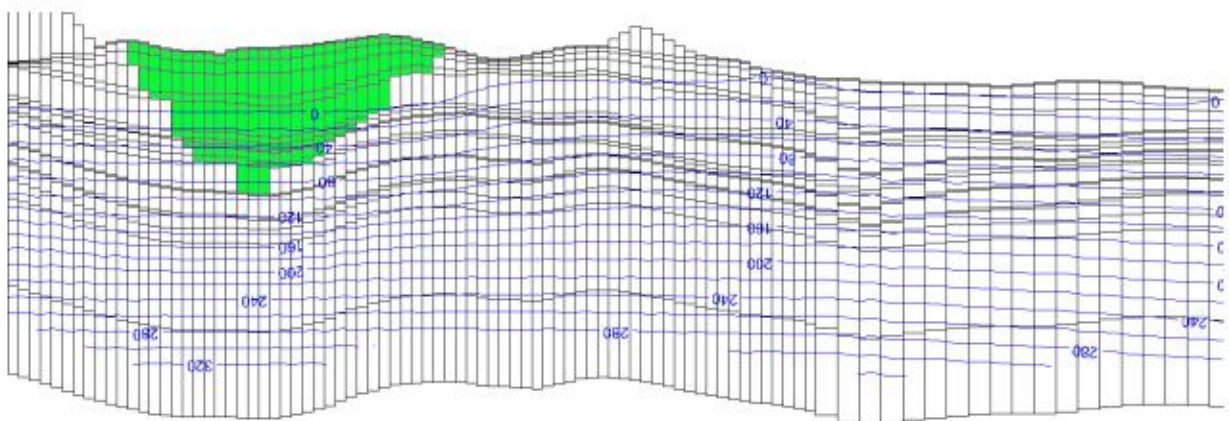


Top of Row 88; 6,402,250mN

Bottom of Row 141; 6,399,550mN



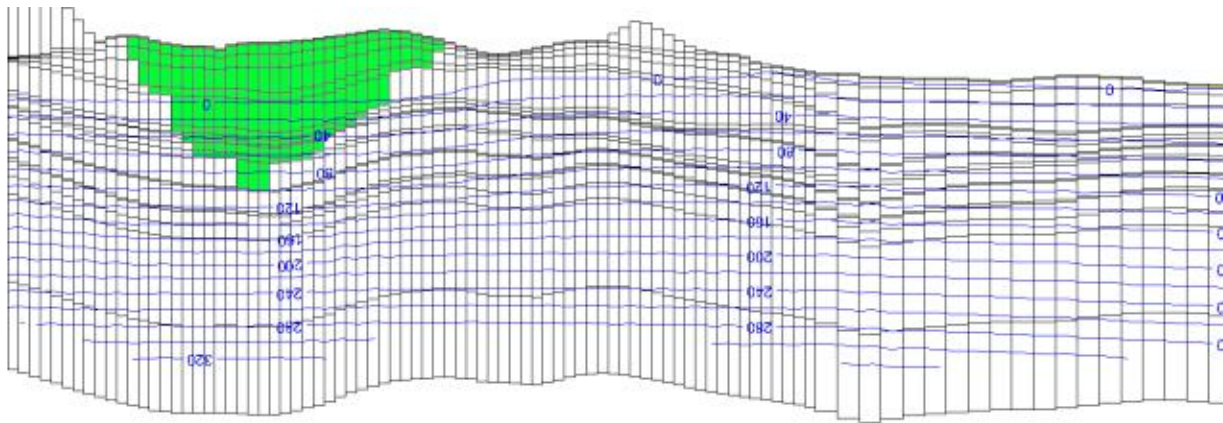
2037 (SP1TS17)



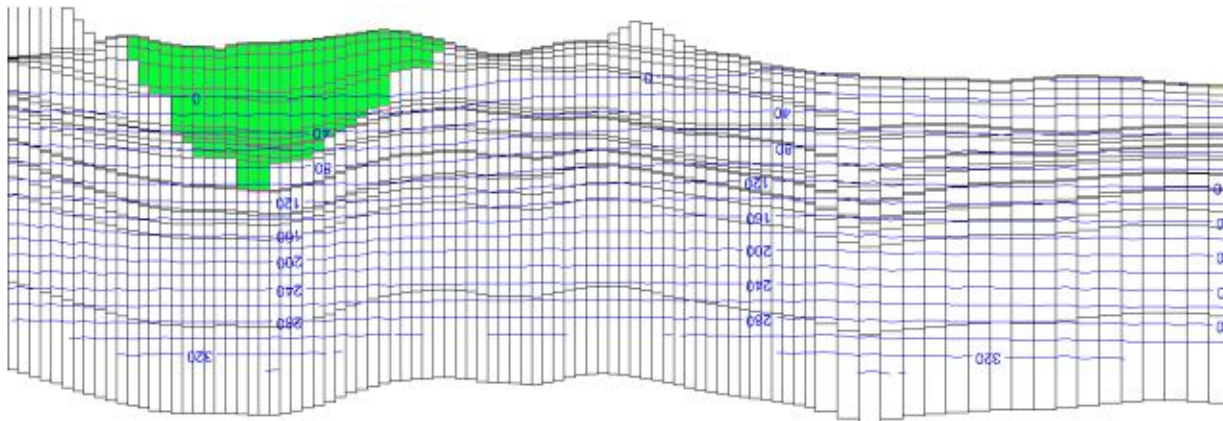
2057 (SP42TS6)

VERTICAL EXAGGERATION 1:4

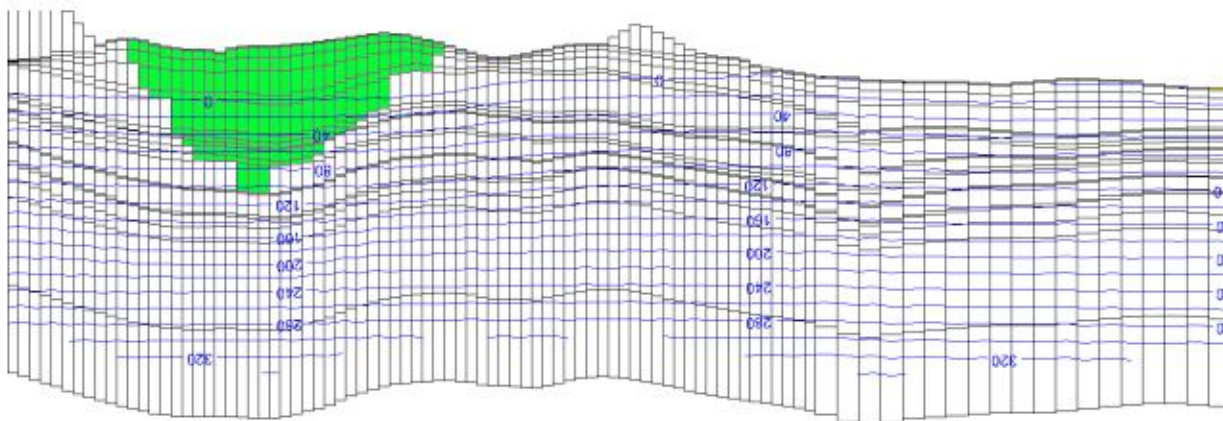
015a_RCV-MP1_05a.gww



2087 (SP52TS8)



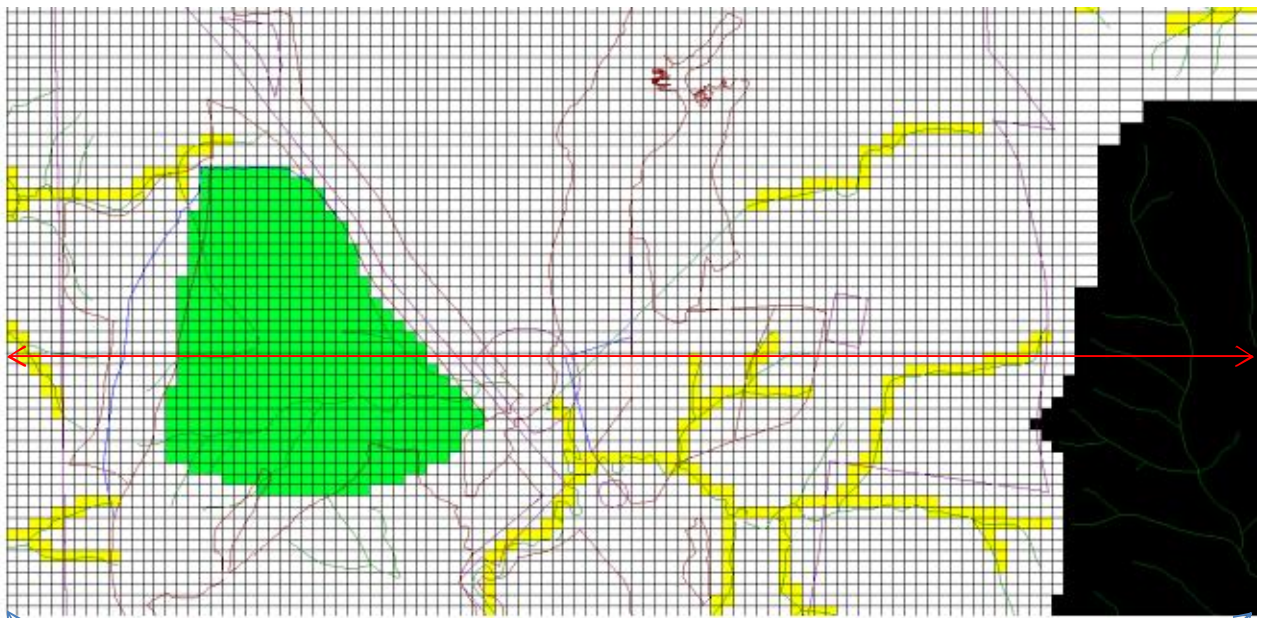
2237 (SP72TS8)



3037 (SP94TS11)

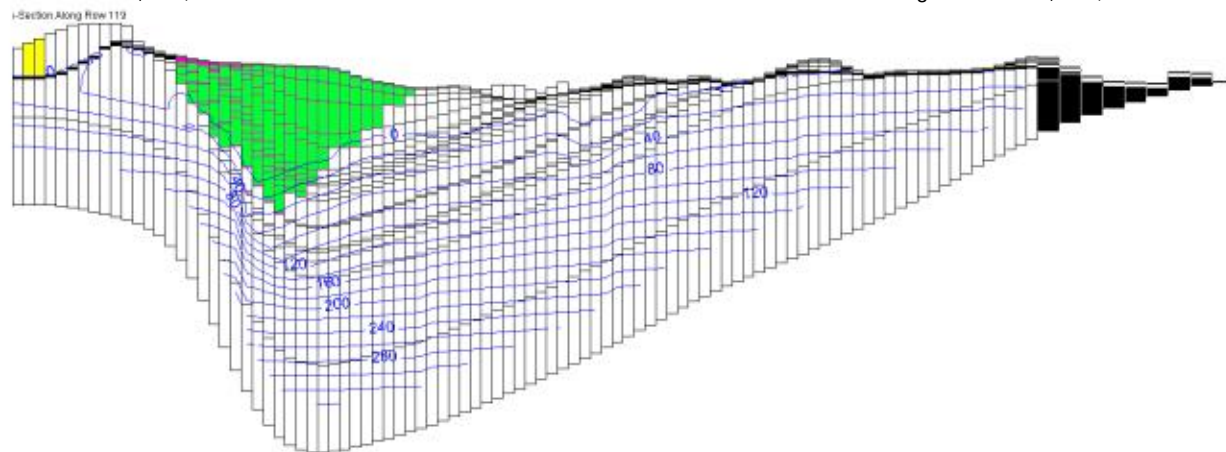
VERTICAL EXAGGERATION 1:4

015a_RCV-MP1_05a.gvw

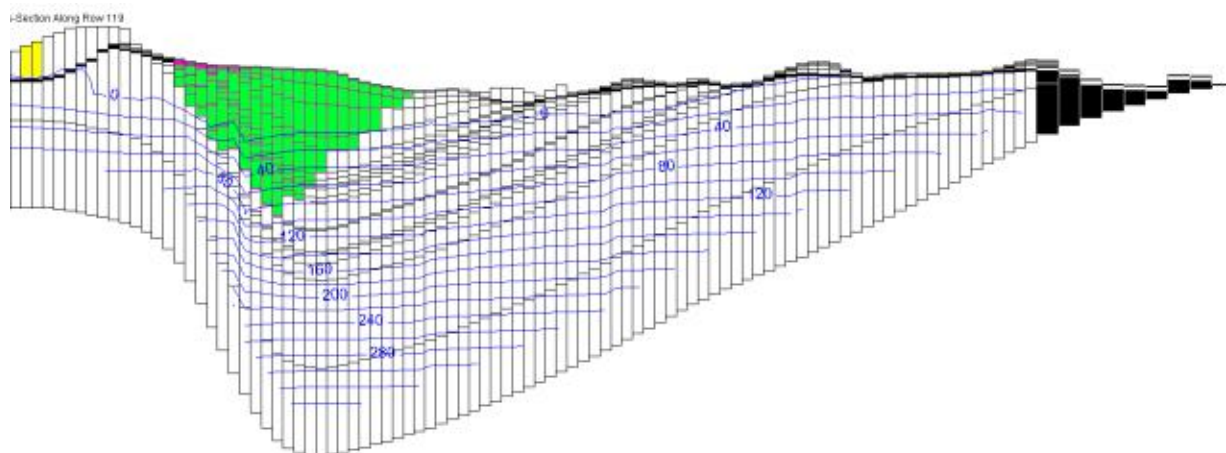


Left of Col 64; 322,000mE

Right of Col 165; 328,000mE



2037 (SP1TS17)

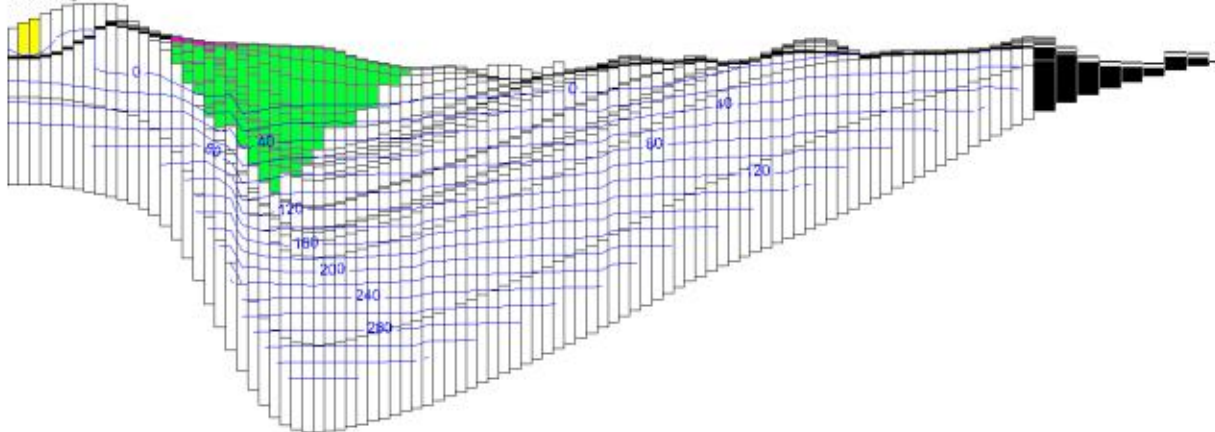


2057 (SP42TS6)

VERTICAL EXAGGERATION 1:4

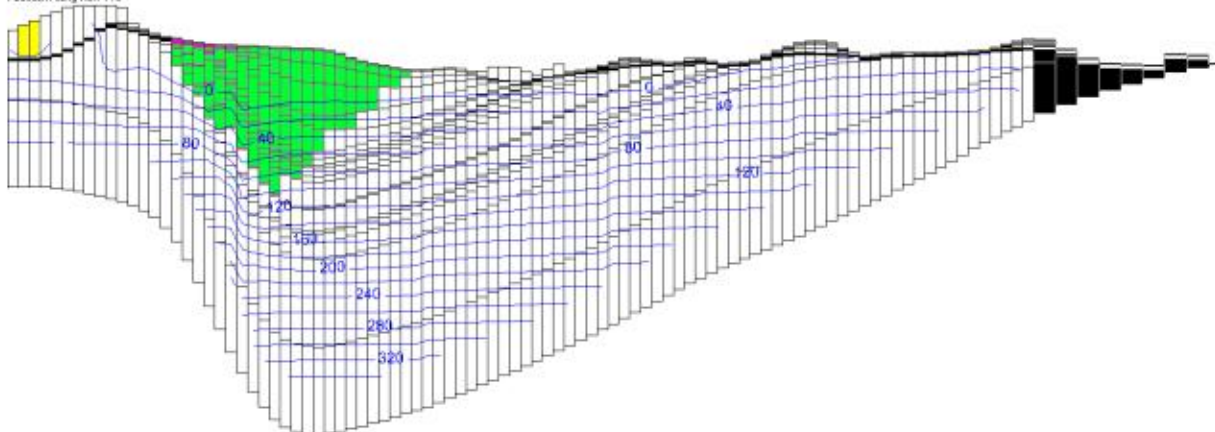
015a_RCV-MP1_05a.gww

i-Section Along Row 119



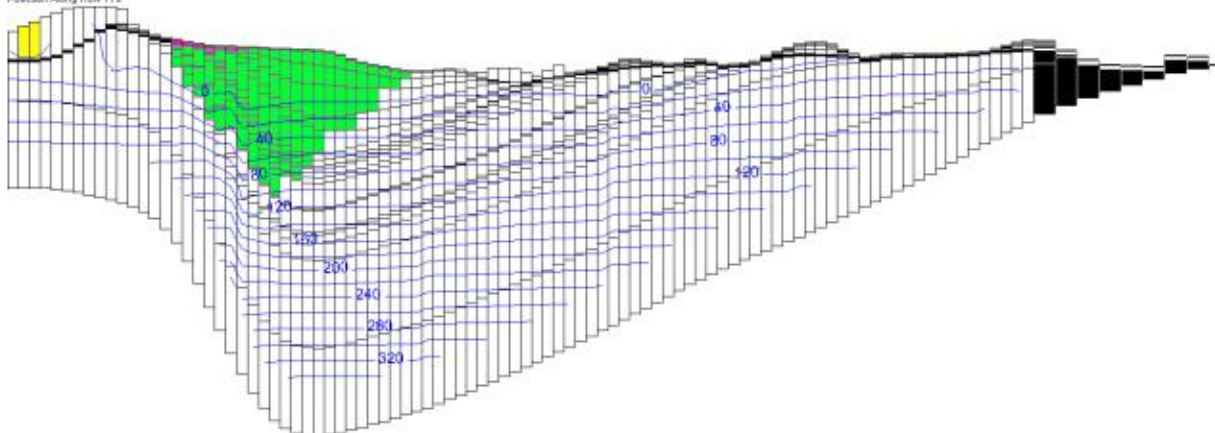
2087 (SP52TS8)

i-Section Along Row 119



2237 (SP72TS8)

i-Section Along Row 119



3037 (SP94TS11)

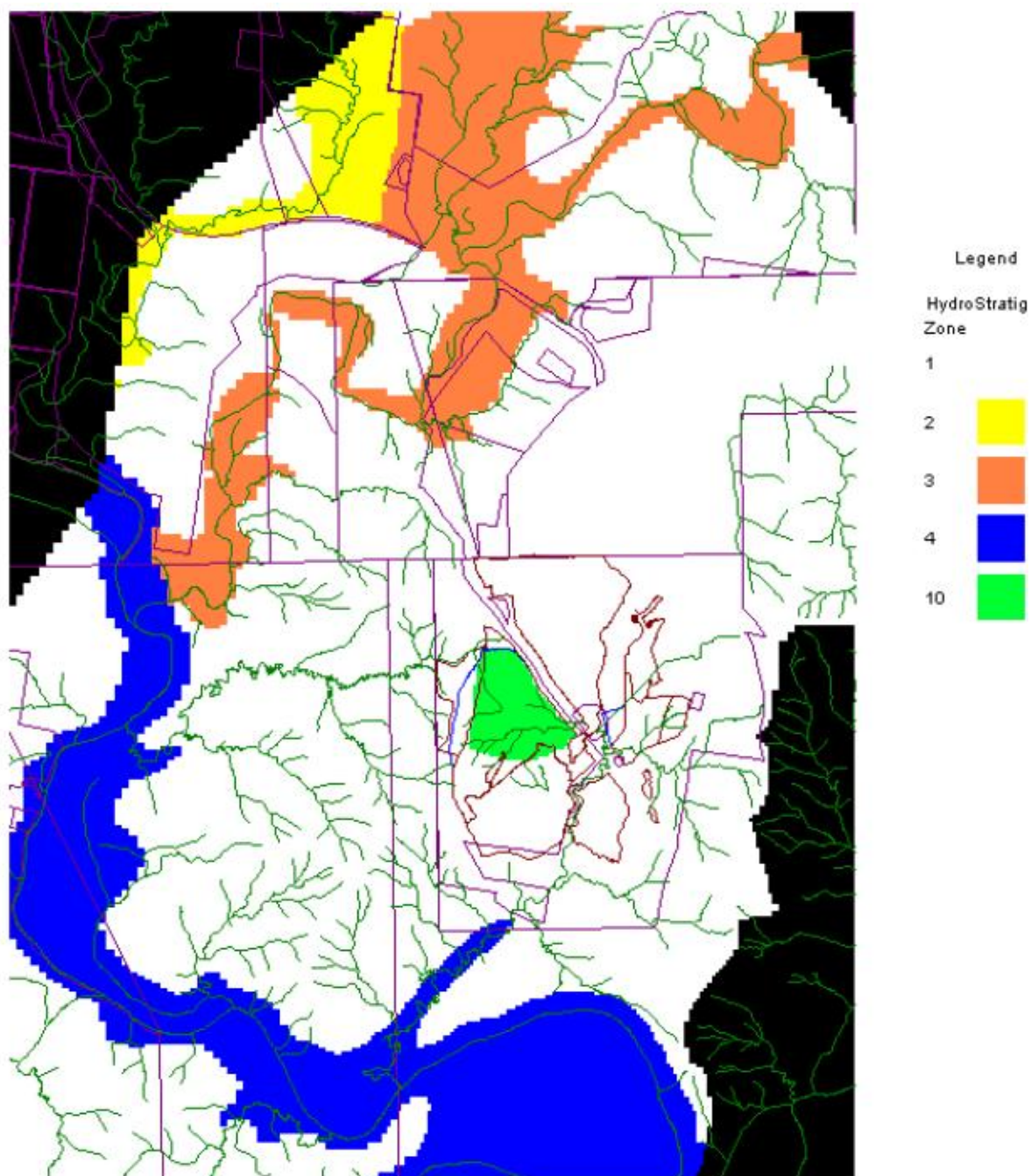
VERTICAL EXAGGERATION 1:4

015a_RCV-MP1_05a.gww



RECOVERY MODEL – PRESSURE HEAD DISTRIBUTION (ROW119) FIGURE 8.28.2

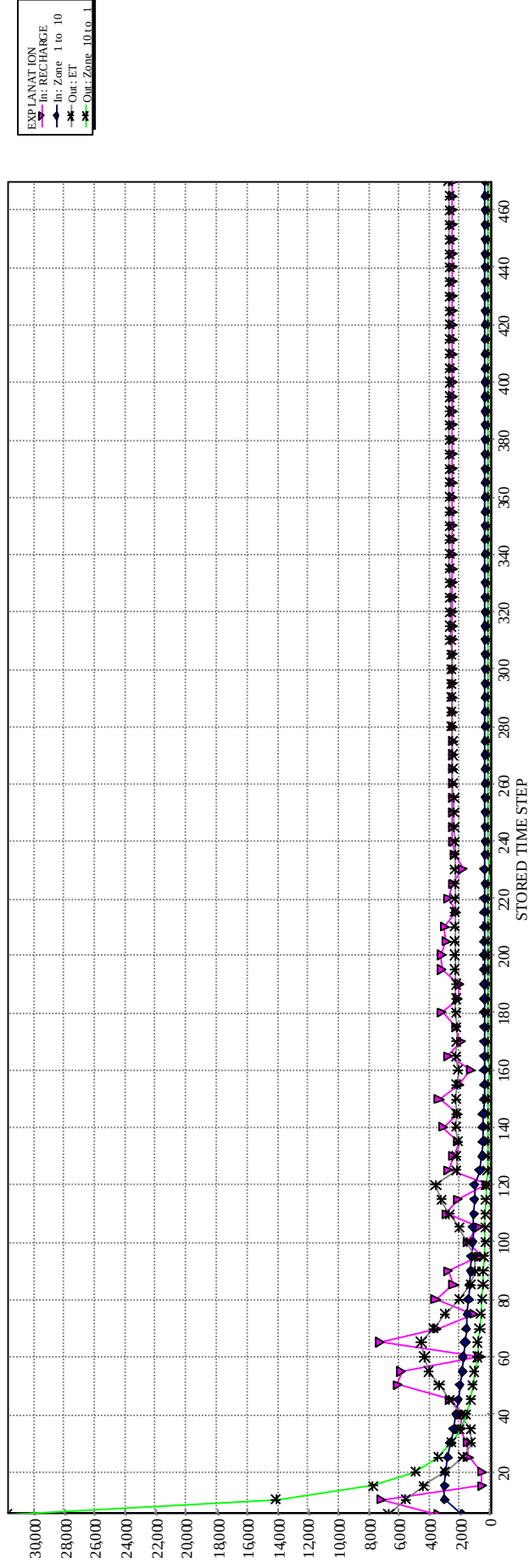
c:\p\st6601300\figures\word\project\015a_0056_figure8-28-Z_pressureheaddistributionthroughinfratoid.docx



RECOVERY MODEL – HYDROSTRATIGRAPHIC ZONES FIGURE 8.29

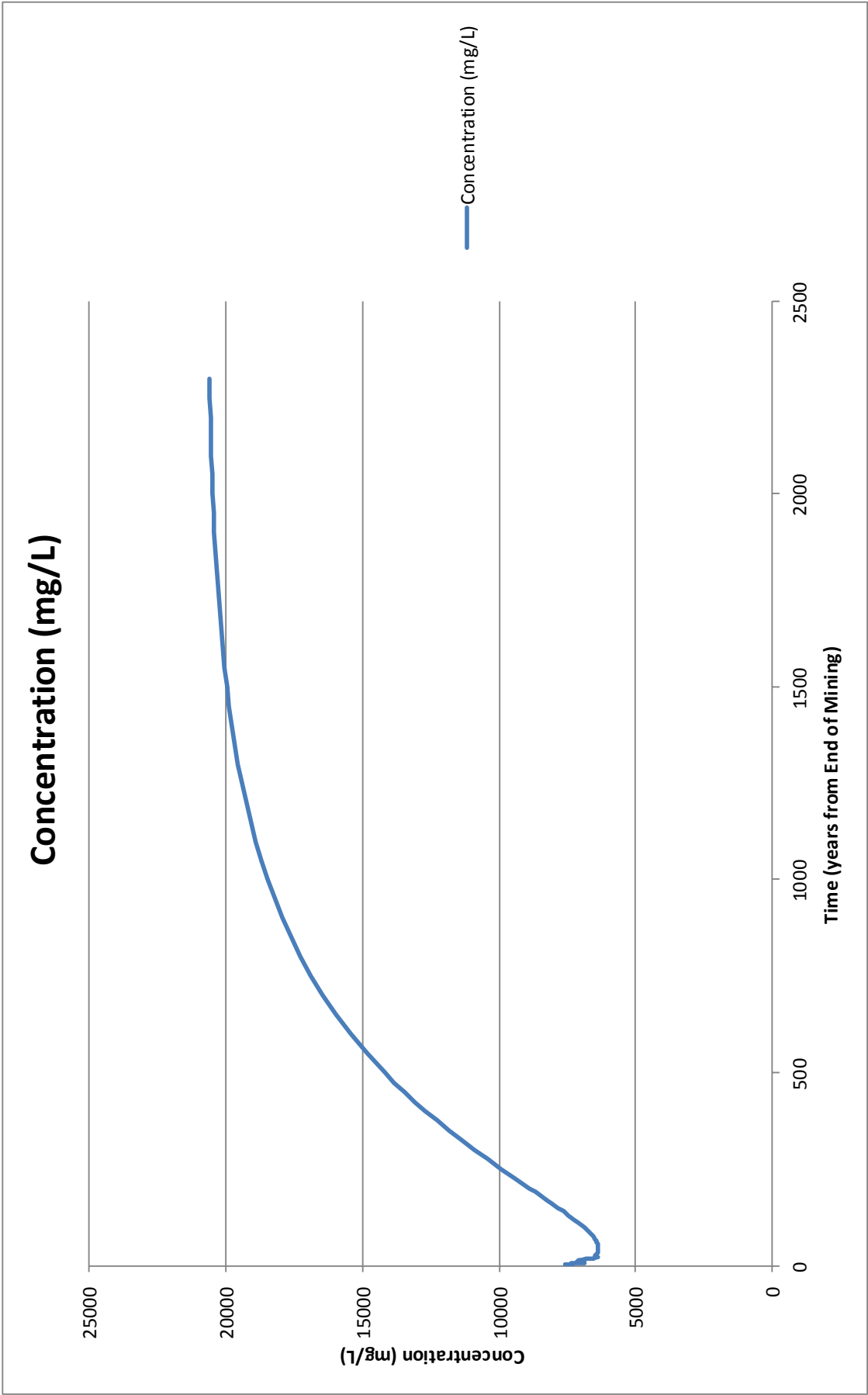
c:\j001s0601300\figures\world\projects\015a_u059_figure8-29_recovery\simulation\hydrostratigraphiczones.docx

Time Series: Zone 10



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

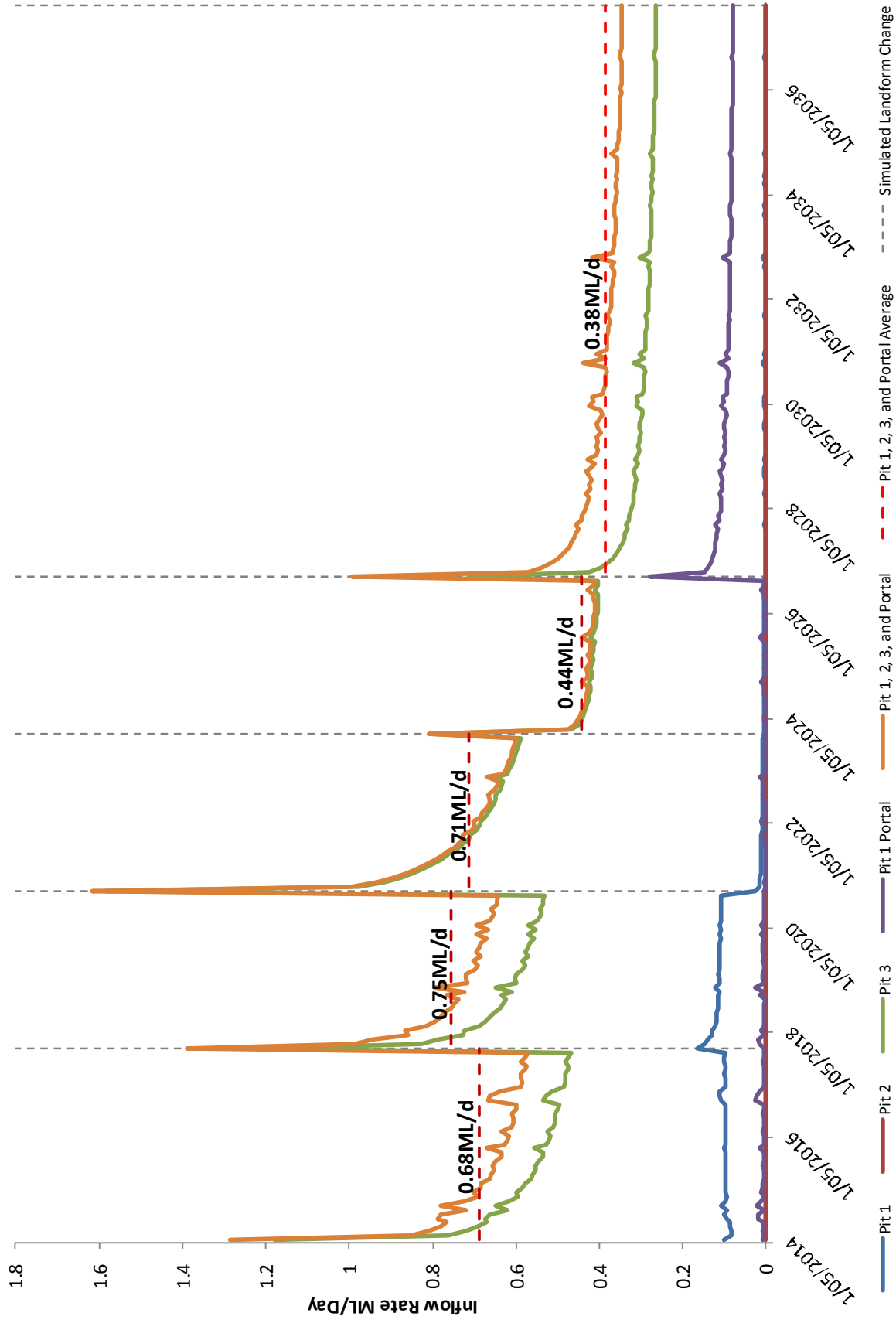
015a_RCV-MP1_05a.gww



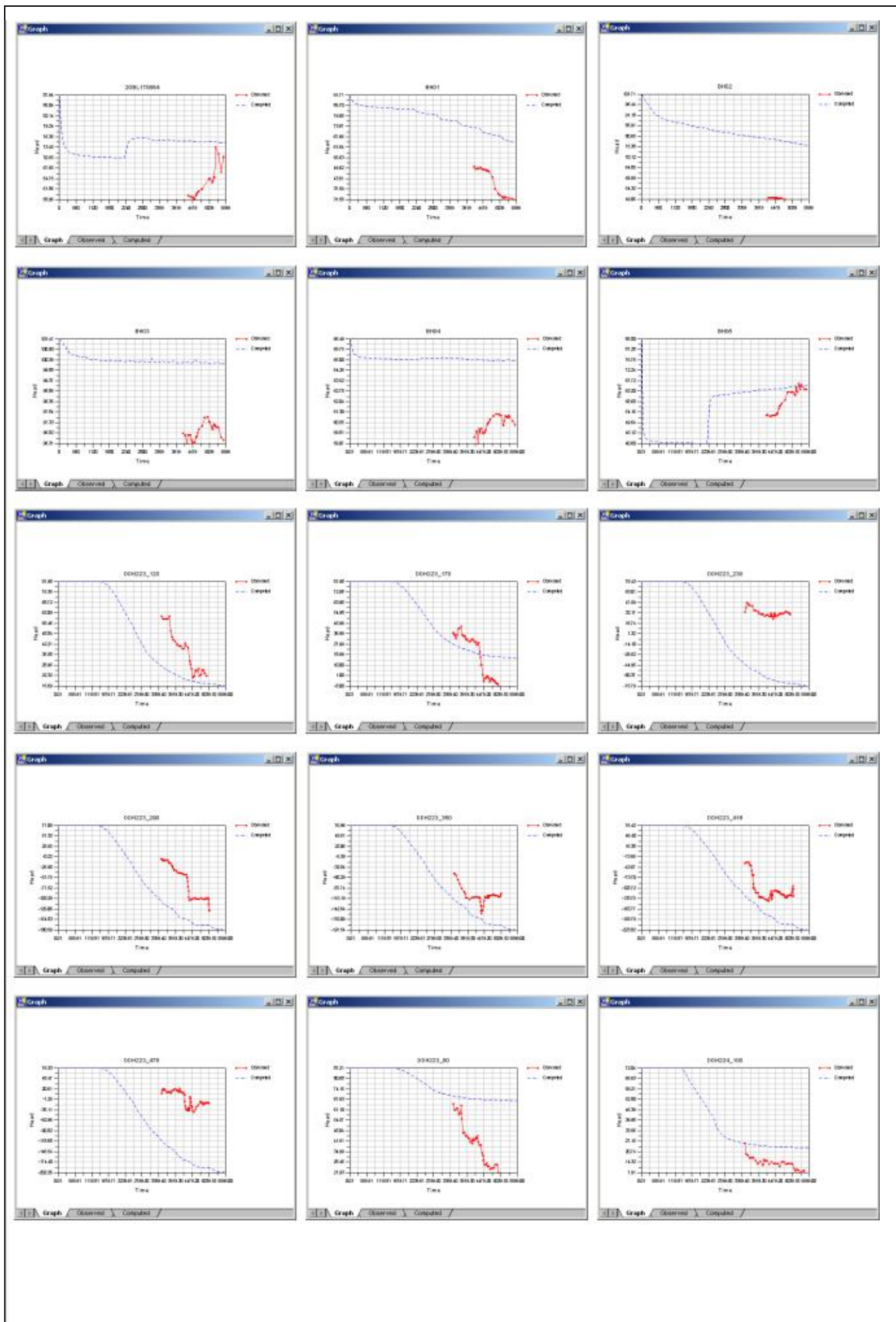
Notes. Assumed Pit Inflow Concentration is 7,370mg/L (11,000µS/cm)

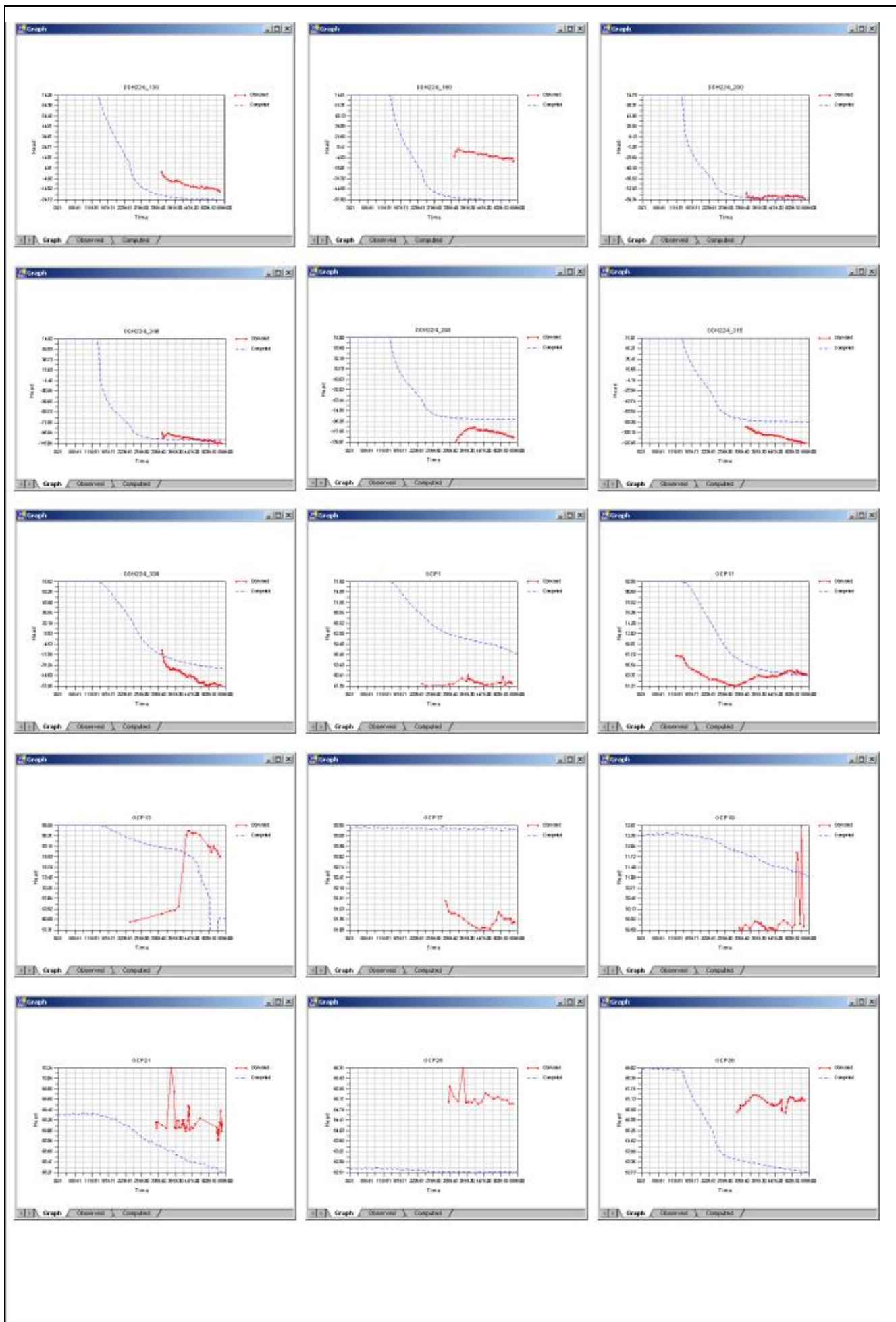
015a_RCV-MP1_05a.gvw

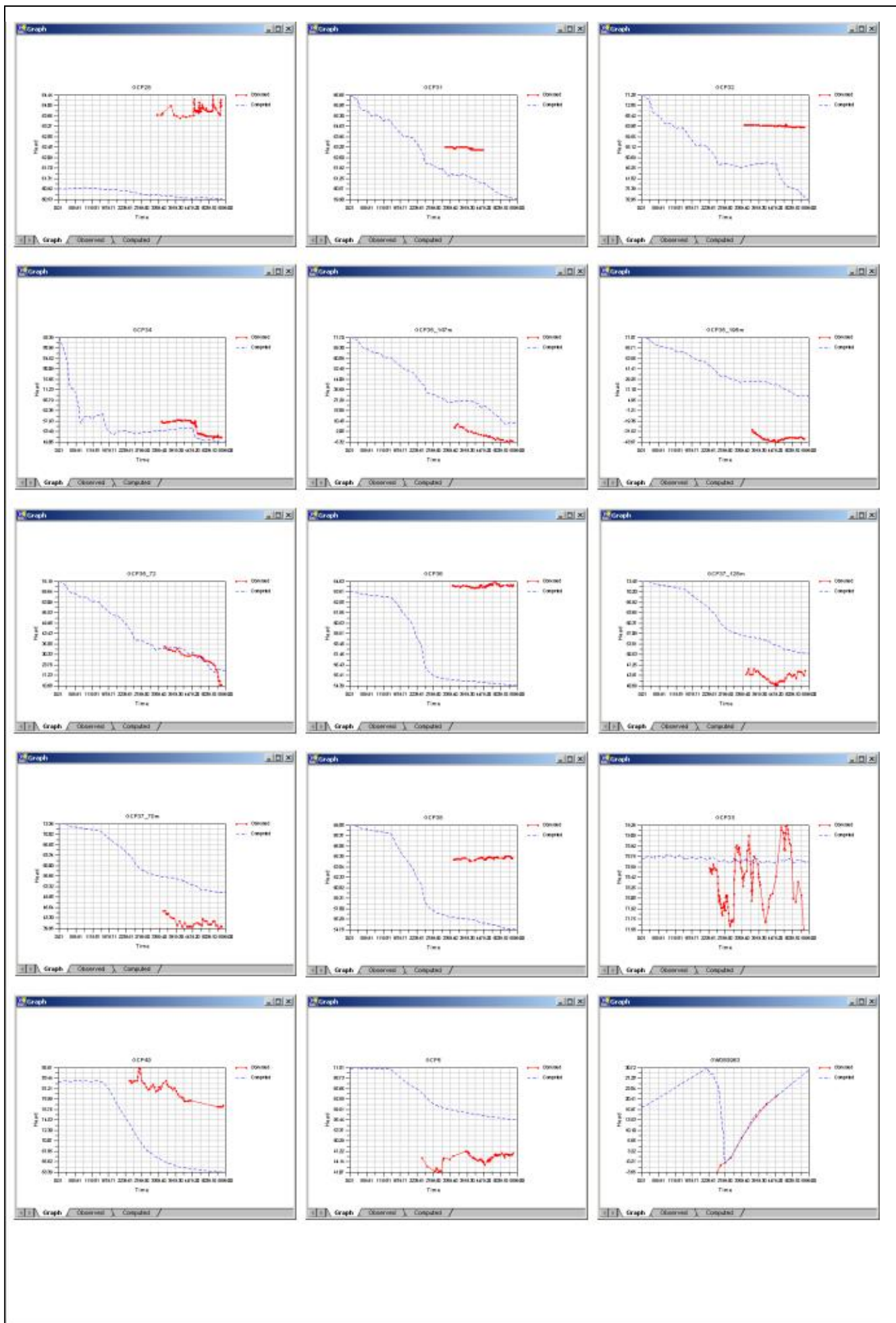


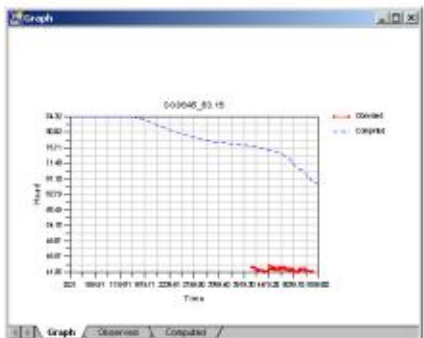
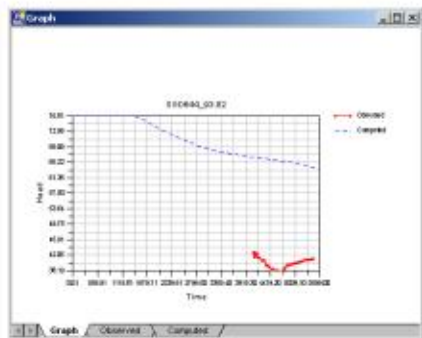
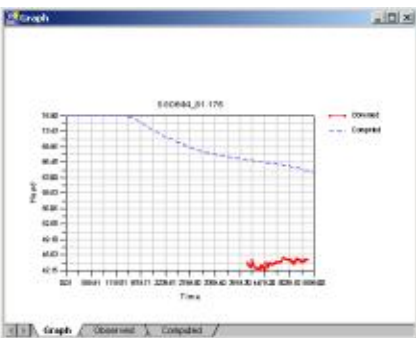
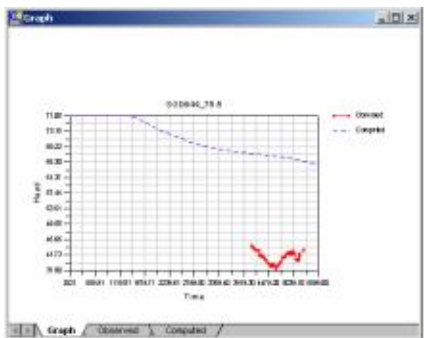


**APPENDIX A:
CALIBRATION MODEL
HYDROGRAPHS**

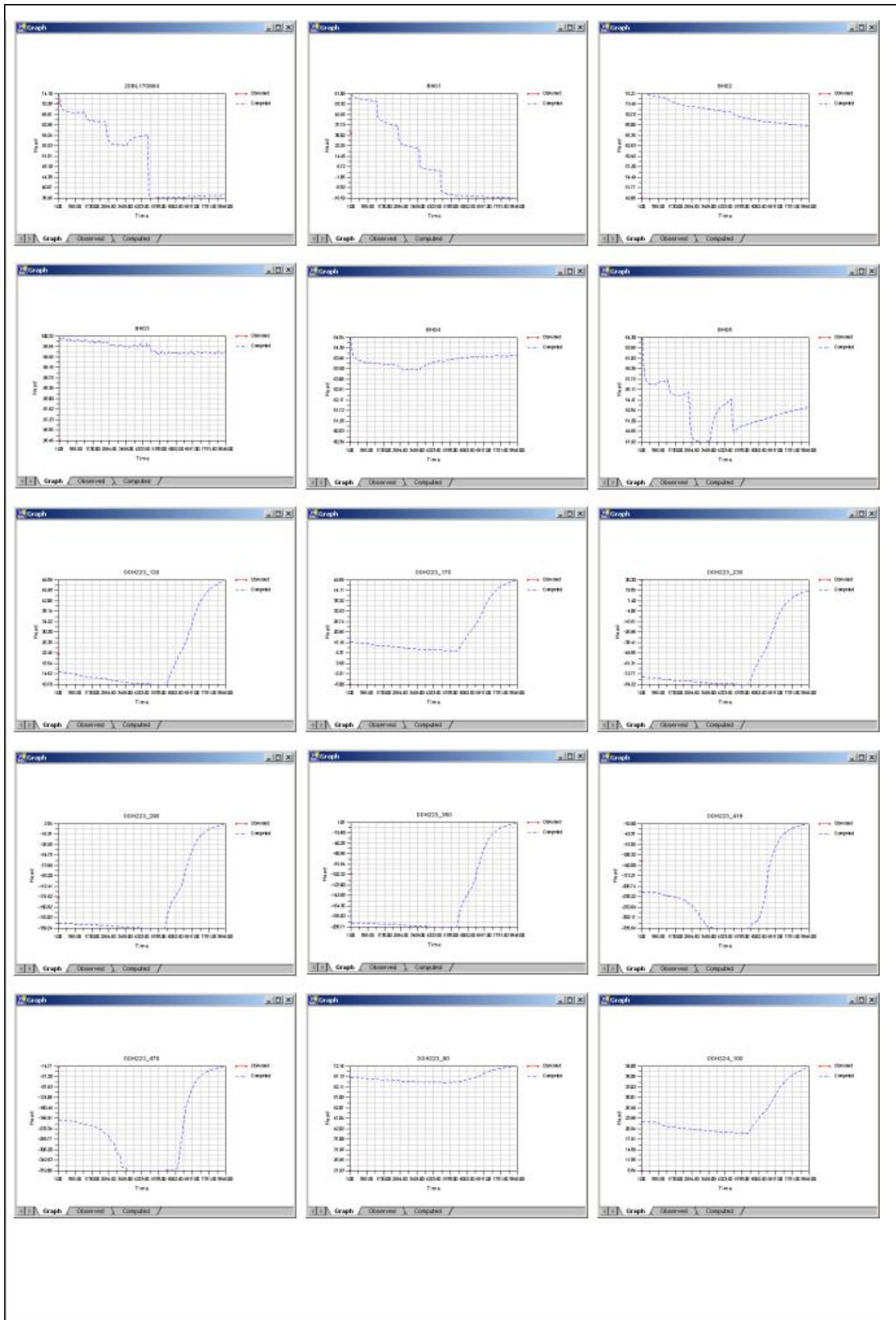


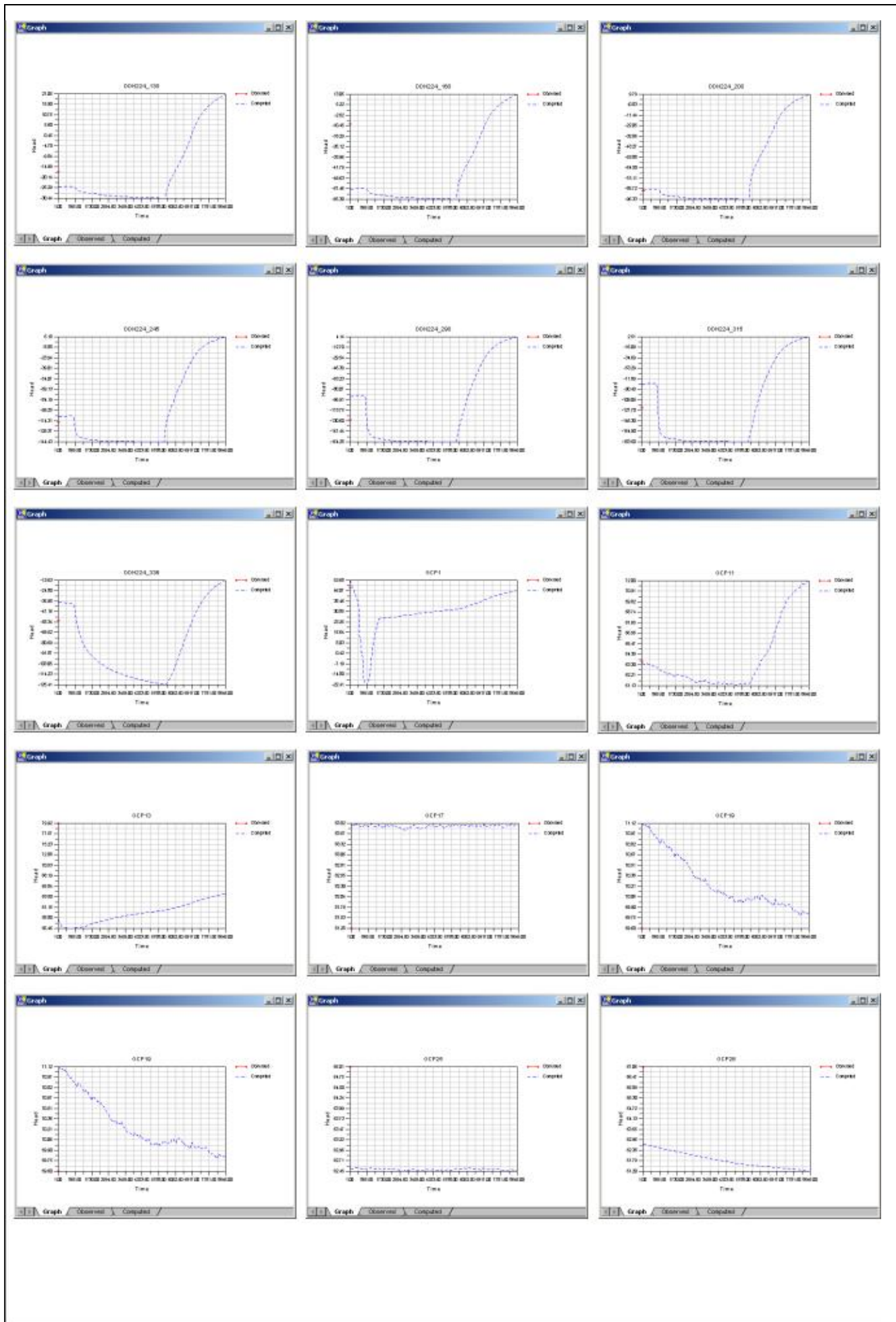


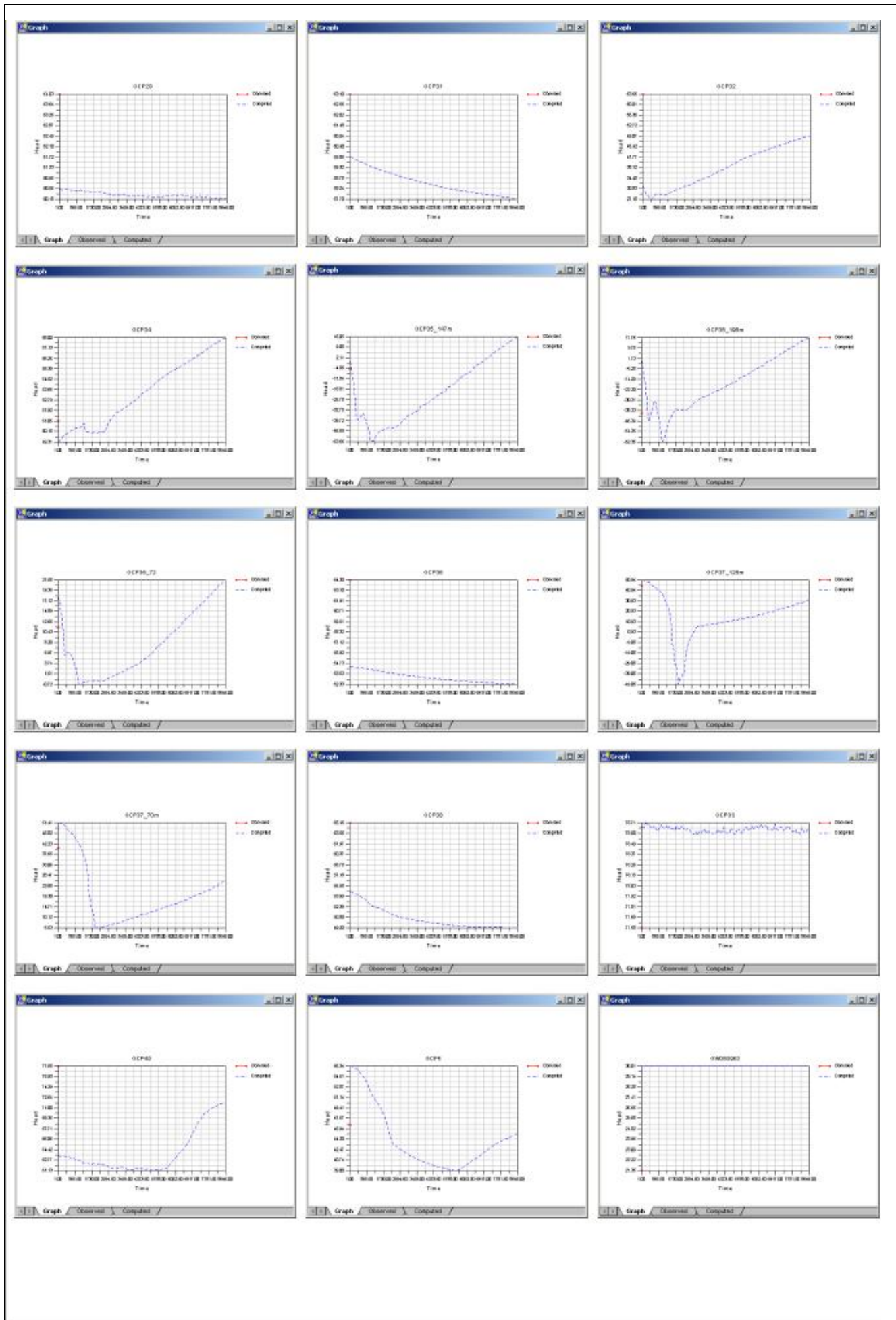


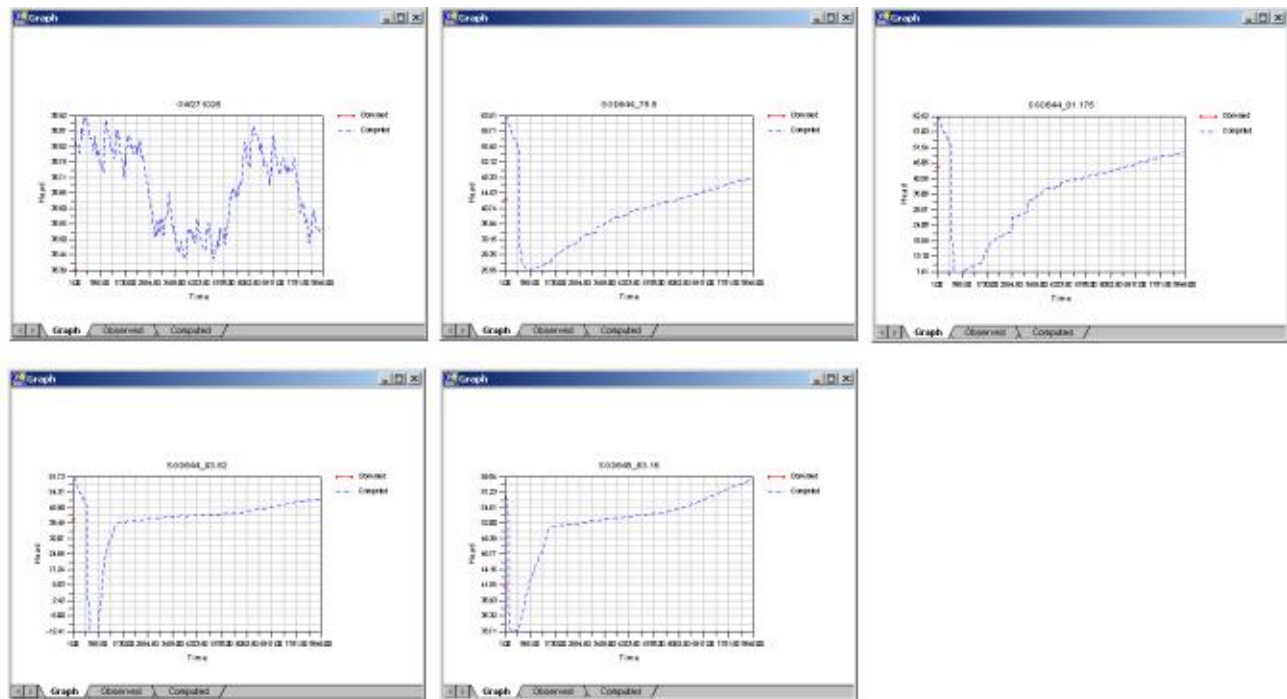


**APPENDIX B:
PREDICTION MODEL
HYDROGRAPHS**

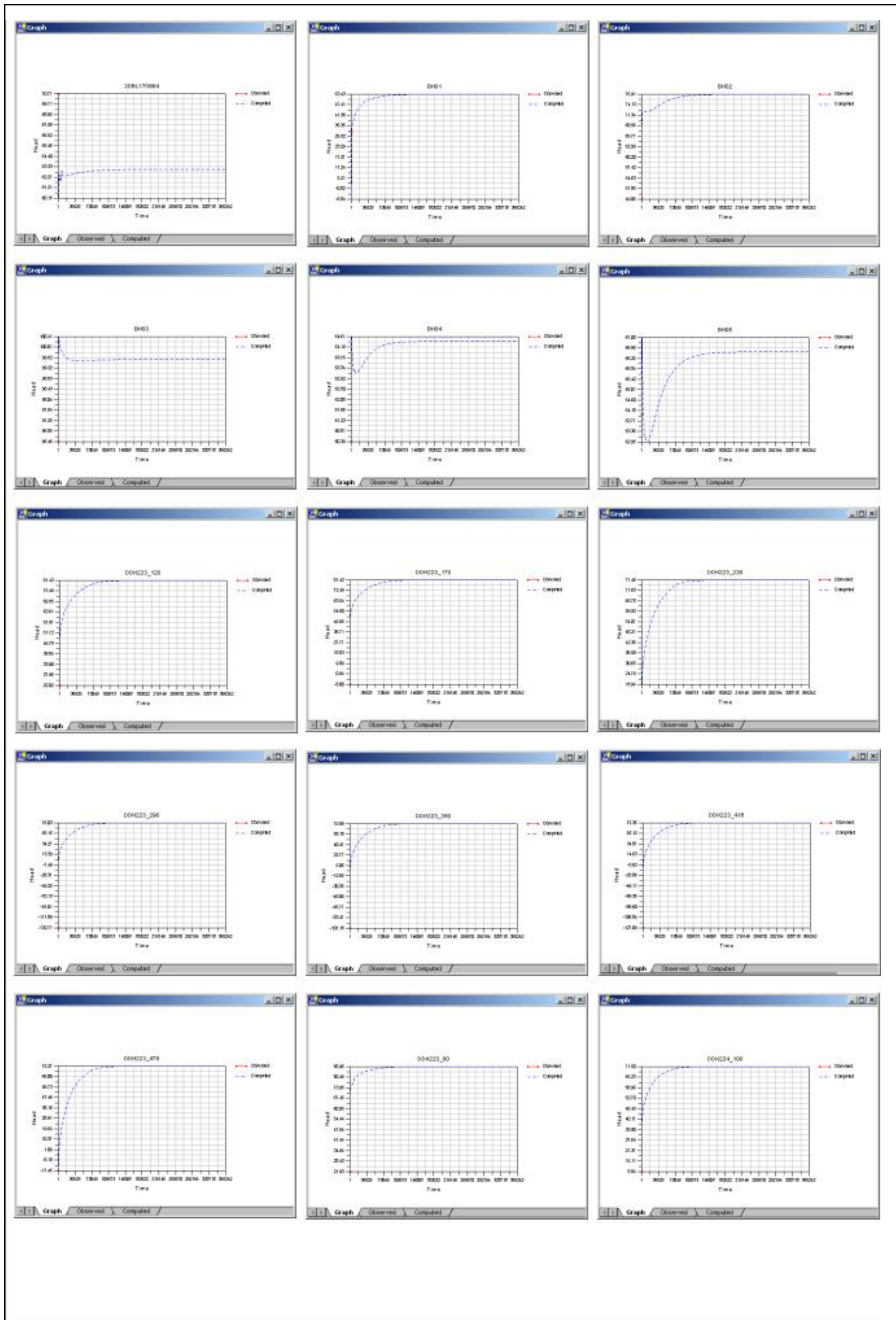


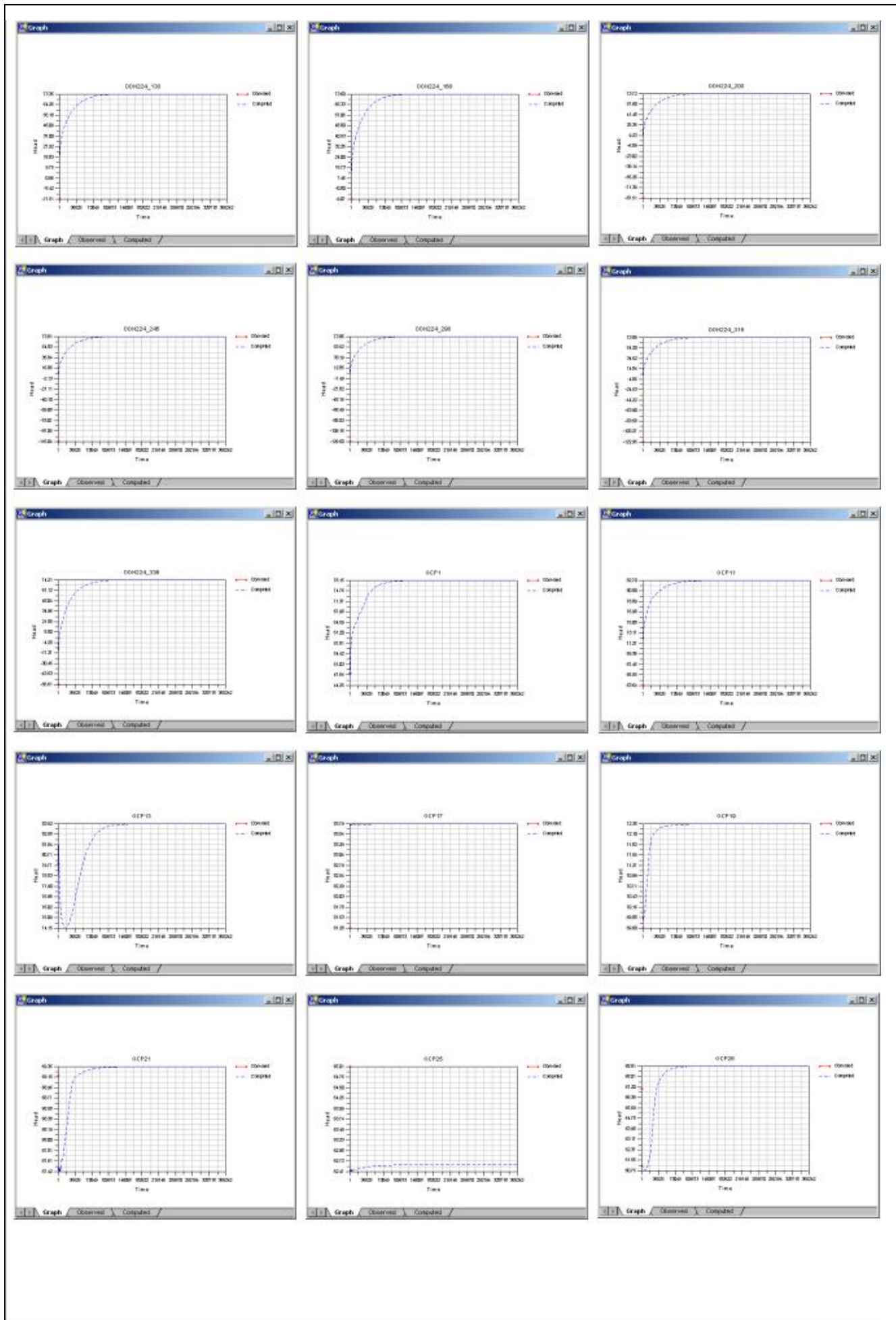


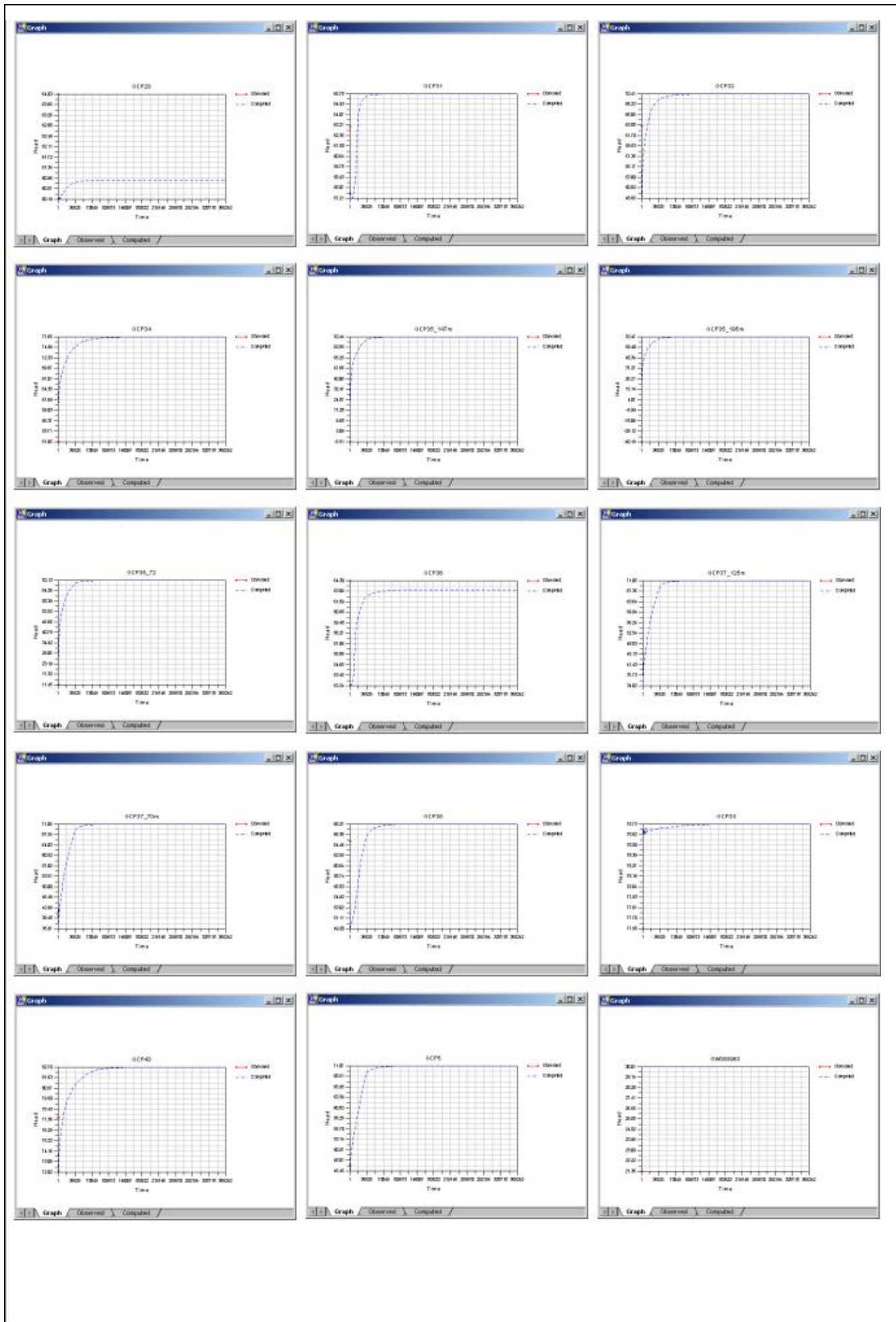


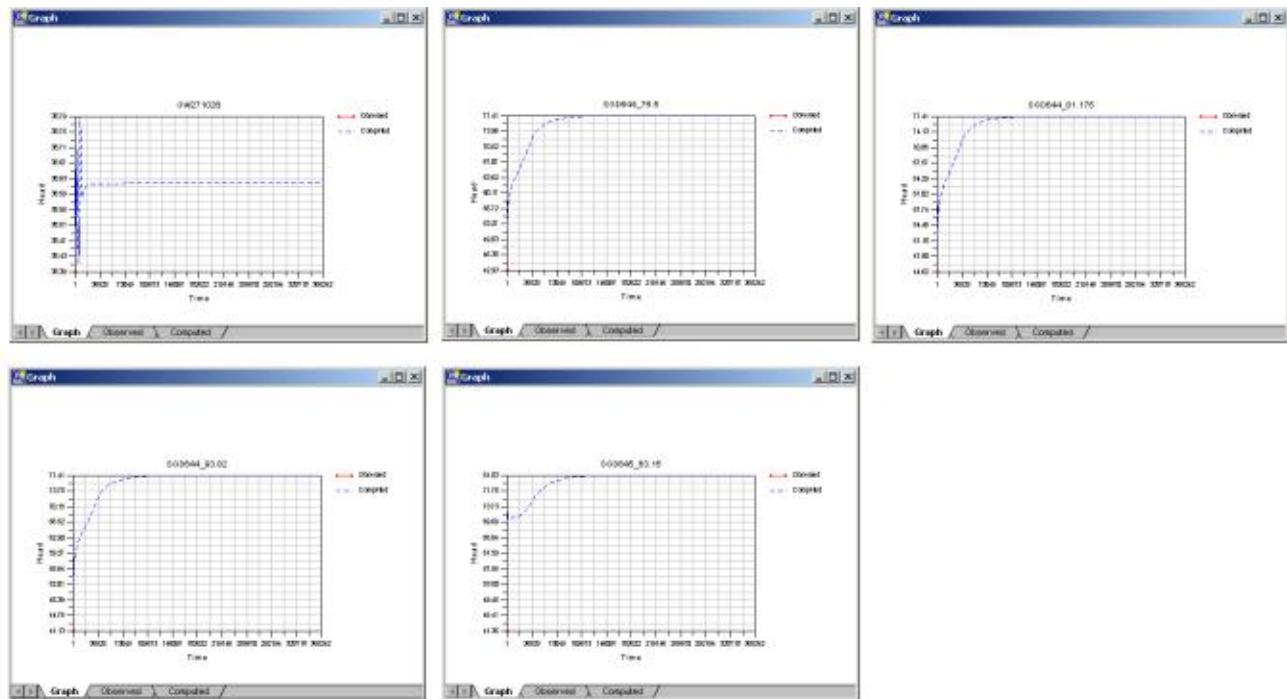


**APPENDIX C:
RECOVERY MODEL
HYDROGRAPHS**









APPENDIX D:
COMPOSITE BORE LOGS

COMPOSITE WELL LOG

Well No: Bore Hole 1

Client: Bloomfield Collieries Pty Ltd

Project: S66 Rix's Creek

Commenced: 11/5/2010

Method: Rotary Air

Area: Rix's Creek

Completed: 25/05/2010

Fluid:

East: 323190

Drilled: Hunter Drilling

Bit Record: 170mm

North: 6400562

Logged By: Scott Dundon

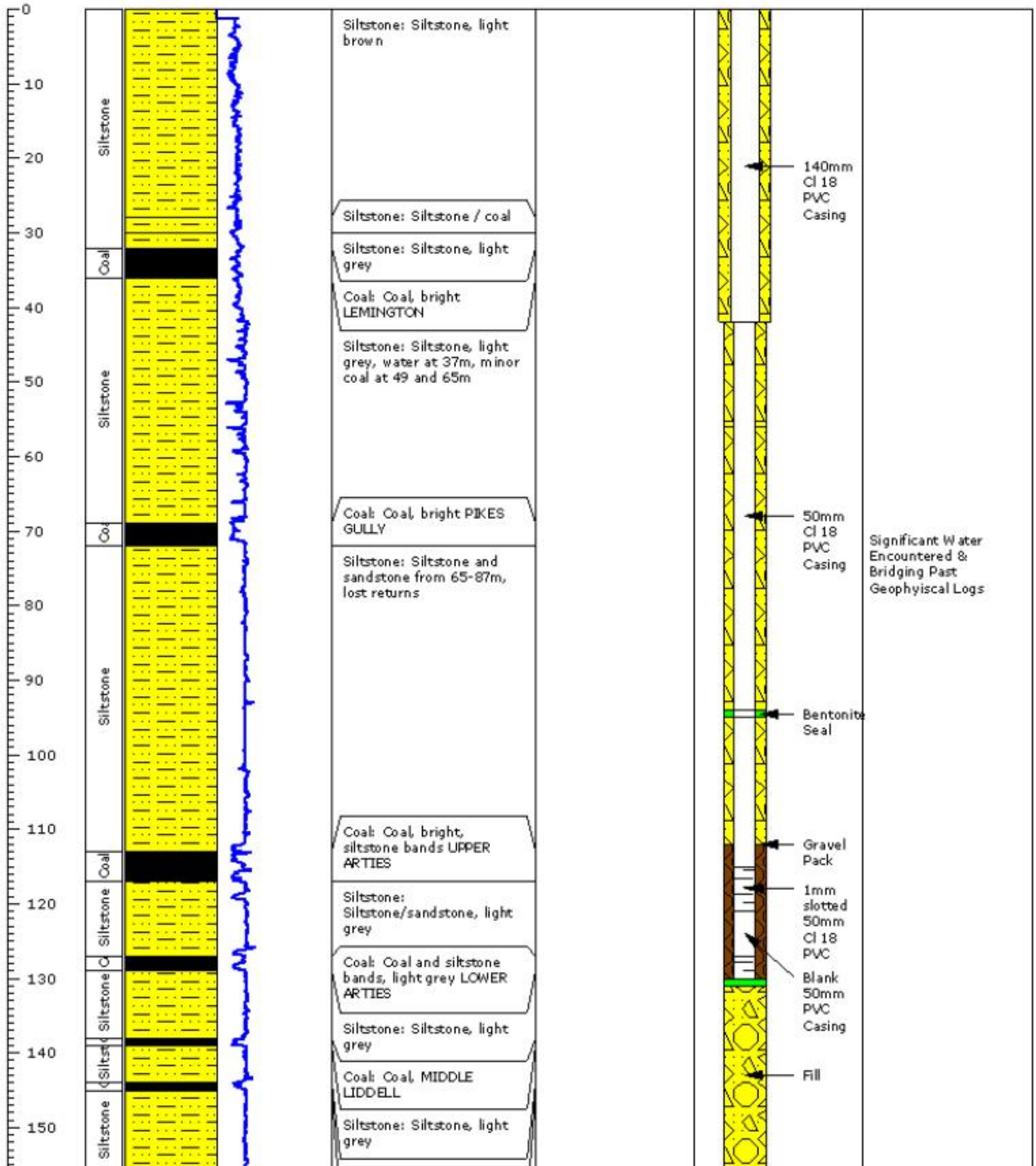
20 BL172457

Projection:

Static Water Level: 64 mbgl

Date: 13/08/2010

Depth (mbgl)	Geology	Graphic Log	Density Log	Lithological Description	Field Notes	Well Completion	
						Diagram	Notes



COMPOSITE WELL LOG

Well No: Bore Hole 2

Client: Bloomfield Collieries Pty Ltd

Project: S66 Rix's Creek

Commenced: 11/5/2010

Method: Rotary Air

Area: Rix's Creek

Completed: 21/05/2010

Fluid:

East: 322936

Drilled: Hunter Drilling

Bit Record: 125mm

North: 6402272

Logged By: Scott Dundon

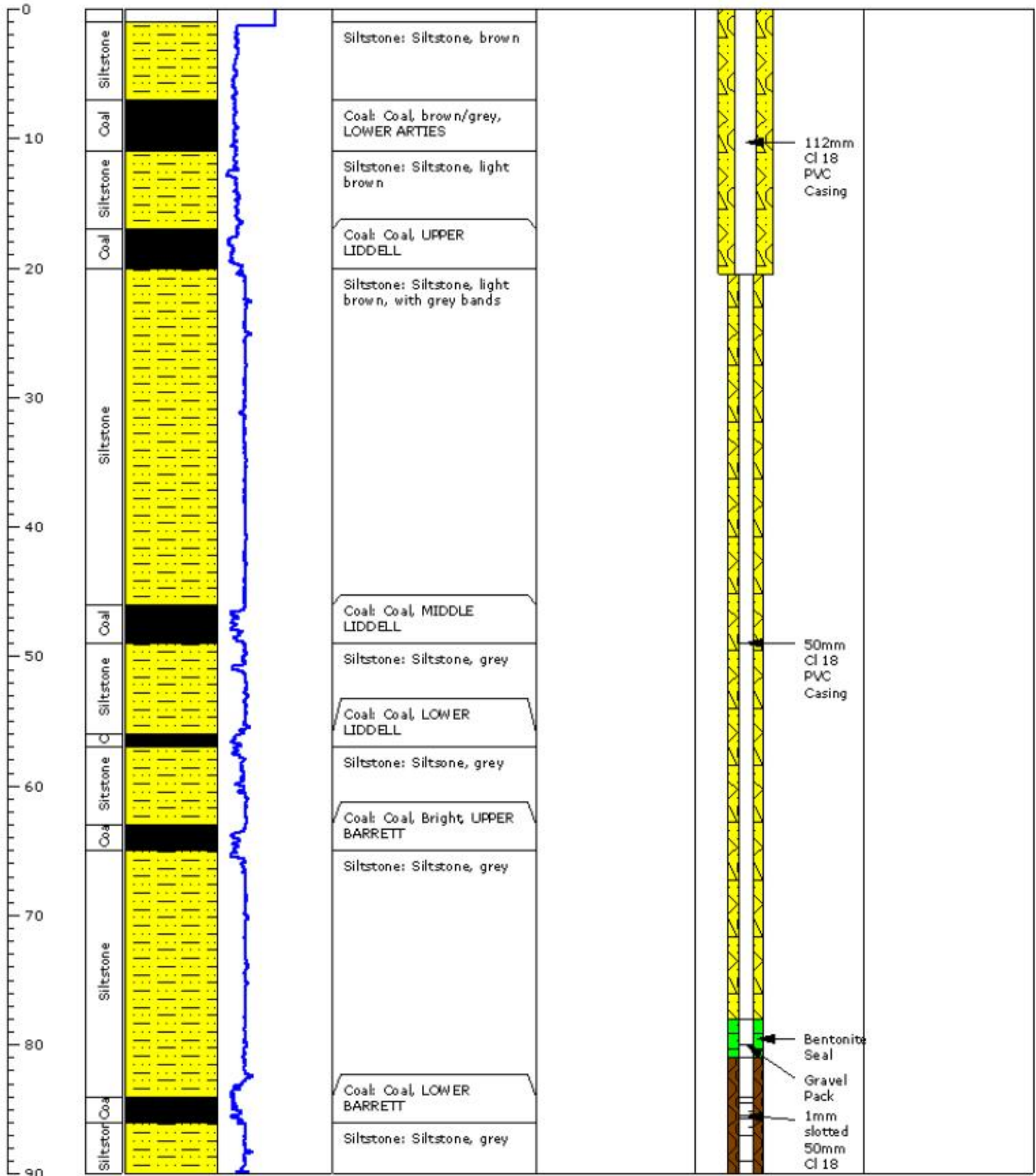
BL172458

Projection:

Static Water Level: 86.155 mbgl

Date: 12/08/2010

Depth (mbgl)	Geology	Graphic Log	Density Log	Lithological Description	Field Notes	Well Completion	
						Diagram	Notes



Level 9, North Tower
1-5 Railway Street Chatswood
NSW 2067 Australia
Tel: (+61) 02 9412 4630
Fax: (+61) (02) 9412 4805

COMPOSITE WELL LOG

Well No: Bore Hole 3

Client: Bloomfield Collieries Pty Ltd

Project: S66 Rix's Creek

Commenced: 11/5/2010

Method: Rotary Air

Area: Rix's Creek

Completed: 20/05/2010

Fluid:

East: 325457 (GDA94 Zone 54)

Drilled: Hunter Drilling

Bit record: 100mm

North: 6401923 (GDA94 Zone 54)

Logged By: Scott Dundon

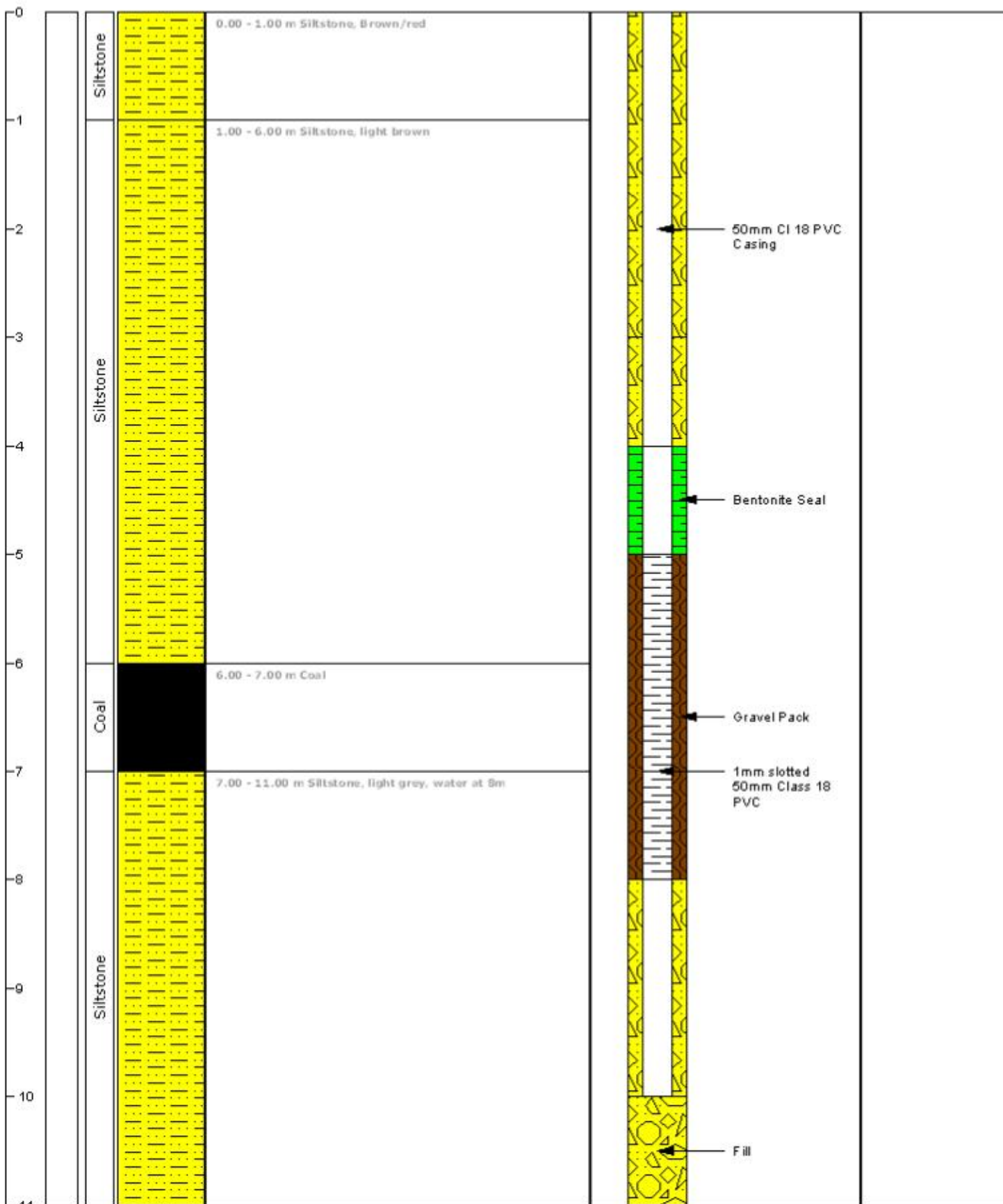
20 BL172459

Ref. Pt. Elevation:

Static Water Level: 3.295 mbgl

Date: 3/08/2010

Depth (mbgl)	Method	Geology	Graphic Log	Lithological Description	Well Completion	
					Diagram	Notes



Level 9, North Tower
1-5 Railway Street Chatswood
NSW 2067 Australia
Tel: (+61) 02 9412 4630
Fax: (+61) (02) 9412 4805

COMPOSITE WELL LOG

Well No: Bore Hole 4

Client: Bloomfield Collieries Pty Ltd

Project: S66 Rix's Creek

Commenced: 11/5/2010

Method: Rotary Air

Area: Rix's Creek

Completed: 20/05/2010

Fluid:

East: 323982 (GDA94 Zone 54)

Drilled: Hunter Drilling

Bit record: 100mm

North: 6398666 (GDA94 Zone 54)

Logged By: Scott Dundon

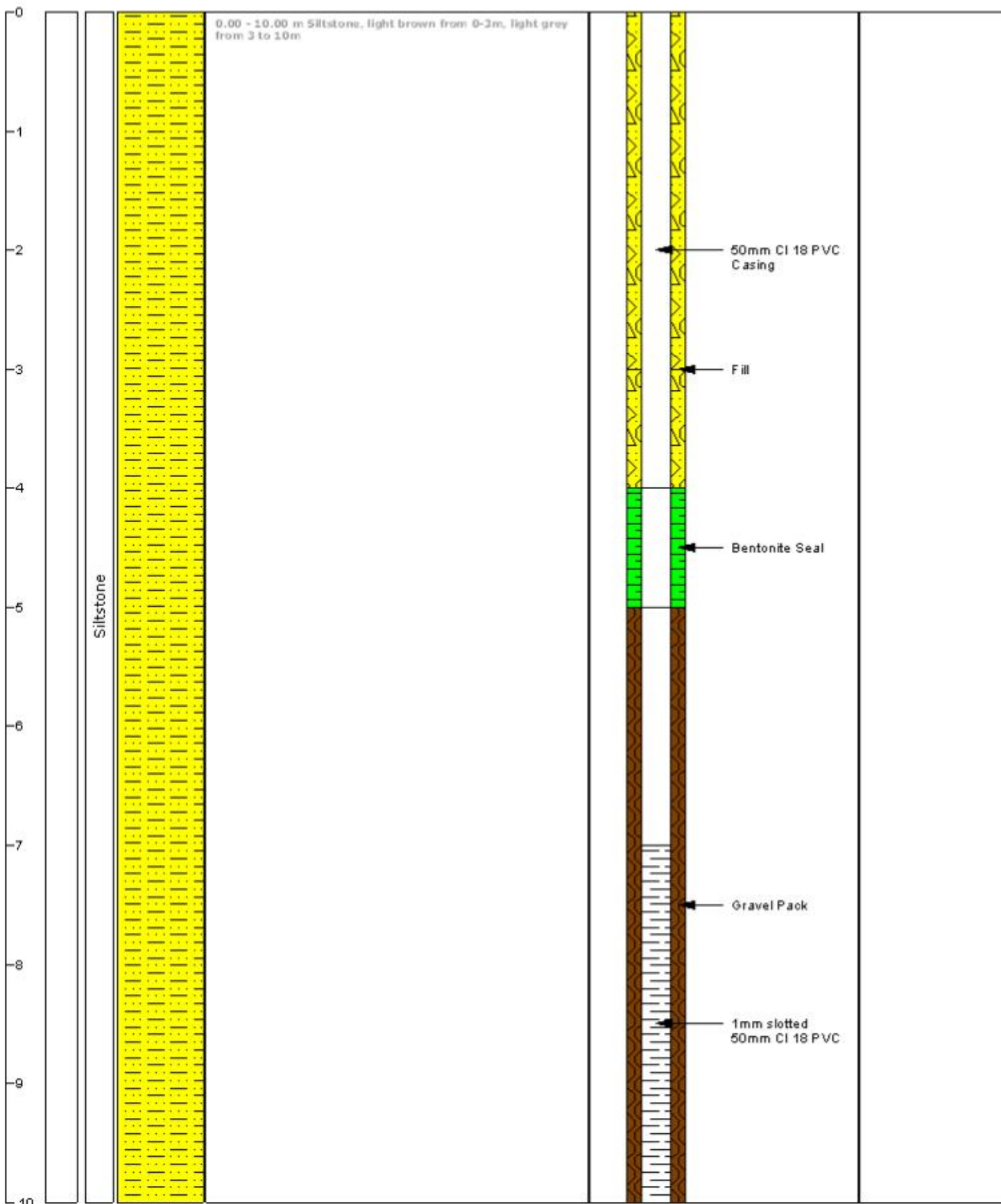
20 BL172460

Ref. Pt. Elevation:

Static Water Level: 3.08 mbgl

Date: 13/08/2010

Depth (mbgl)	Method	Geology	Graphic Log	Lithological Description	Well Completion	
					Diagram	Notes



COMPOSITE WELL LOG

Well No: Bore Hole 5

Client: Bloomfield Collieries Pty Ltd

Project: S66 Rix's Creek

Commenced: 12/5/2010

Method: Rotary Air

Area: Rix's Creek

Completed: 21/05/2010

Fluid:

East:

Drilled: Hunter Drilling

Bit Record: 125mm

North:

Logged By: Scott Dundon

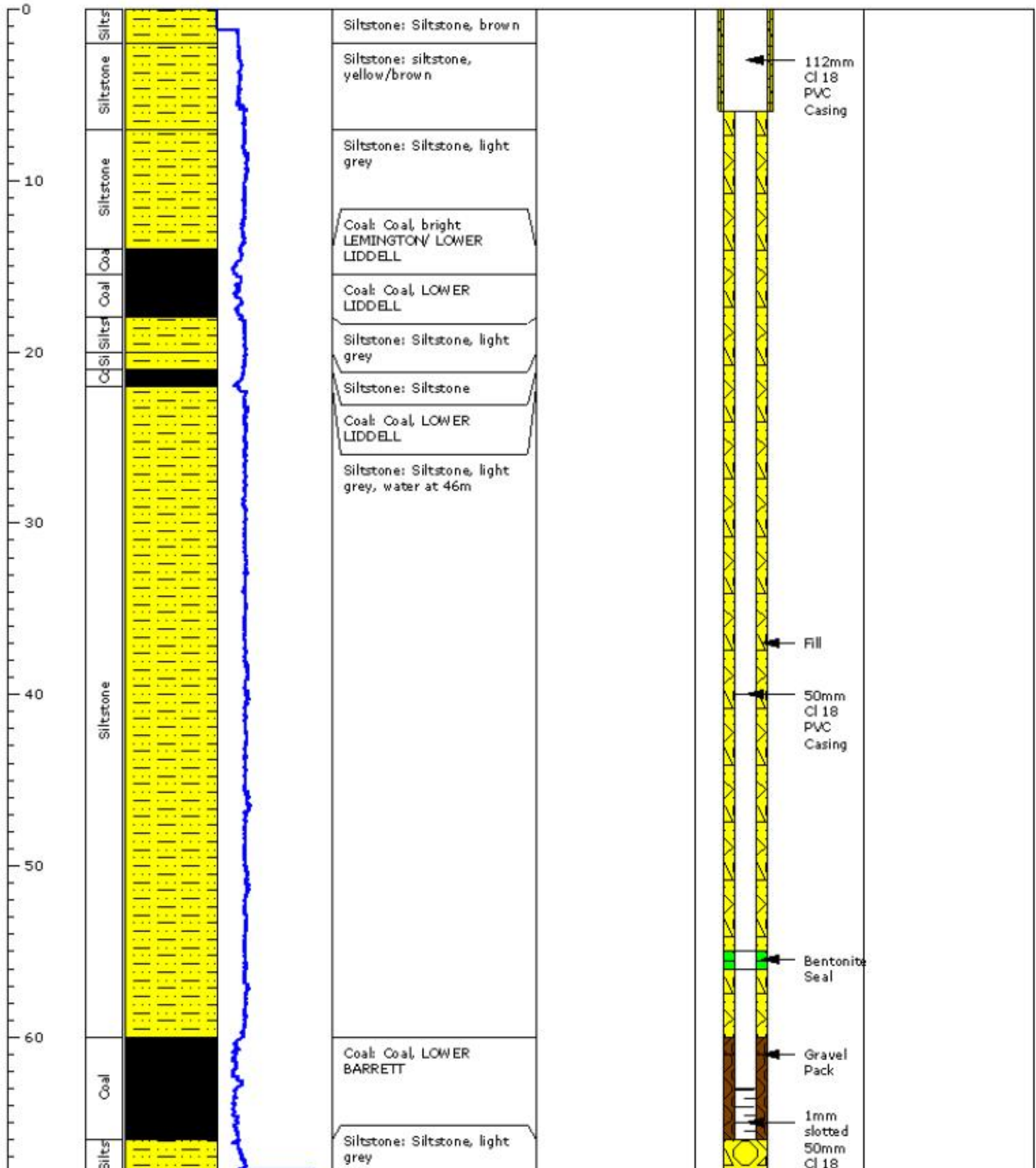
20 BL172461

Projection:

Static Water Level: 22.98 mbgl

Date: 15/07/2010

Depth (mbgl)	Geology	Graphic Log	Density Log	Lithological Description	Field Notes	Well Completion	
						Diagram	Notes



**APPENDIX E:
WATER QUALITY ANALYTICAL
RESULTS – AUGUST 2013**

CERTIFICATE OF ANALYSIS

Work Order	: ES1319071	Page	: 1 of 4
Client	: AECOM Australia Pty Ltd	Laboratory	: Environmental Division Sydney
Contact	: ALL SINGLETON RESULTS	Contact	: Client Services
Address	: PO BOX 3148 SINGLETON NSW, AUSTRALIA 2330	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: sin.als@ensr.aeoo .co	E-mail	: sydney@alsglobal.co
Telephone	: +61 02 6575 9000	Telephone	: +61-2-8784 8555
Facsimile	: +61 02 6575 9099	Facsimile	: +61-2-8784 8500
Project	: 60239918	QC Level	: NEPM 2013 Schedule B(3) and ALS QCS3 require
Order number	: A3424	Date Samples Received	: 28-AUG-2013
COC number	: ---	Issue Date	: 02-SEP-2013
Sample	: S	No. of samples received	: 4
Site	: ---	No. of samples analysed	: 4
Quote number	: SY/287/13		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results



NATA Accredited Laboratory 825

Accredited for compliance with ISO/IEC 17025.

Signatories

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Ankit Joshi	Inorganic Chemist	Sydney Inorganics
Celine Conaco	Senior Spectroscopist	Sydney Inorganics
Hoa Nguyen	Senior Inorganic Chemist	Sydney Inorganics



General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting

- **EK059G: LOR raised for NOx on sample ID (BH3) due to sample matrix.**



Analytical Results

Sub-Matrix: **WATER** (Matrix: **WATER**)

Compound	Client sample ID				Client sampling date / time			
	CAS Number	LOR	Unit					
EA005P: pH by PC T trator								
pH Value	----	0.01	pH Unit		5.32		7.52	7.59
EA010P: Conduct v ty by PC T trator								
Electr cal Conduct v ty @ 25°C	----	1	µS/c		5810		7300	18700
EA015: Total D ssolved Sol ds								
Total D ssolved Sol ds @180°C	----	10	g/L		3370		4600	12200
ED037P: Alkal n ty by PC T trator								
Hydrox de Alkal n ty as CaCO ₃	DMO-210-001	1	g/L		<1		<1	<1
Carbonate Alkal n ty as CaCO ₃	3812-32-6	1	g/L		<1		<1	<1
B carbonate Alkal n ty as CaCO ₃	71-52-3	1	g/L		64		825	990
Total Alkal n ty as CaCO ₃	----	1	g/L		64		825	990
ED041G: Sulfate (Turb d metr c) as SO₄ 2- by DA								
Sulfate as SO ₄ - Turb d metr c	14808-79-8	1	g/L		460		873	1410
ED045G: Chlor de D screte analvser								
Chlor de	16887-00-6	1	g/L		1410		1370	5400
ED093F: D ssolved Major Cat ons								
Calc um	7440-70-2	1	g/L		26		117	181
Magnes um	7439-95-4	1	g/L		102		238	507
Sod um	7440-23-5	1	g/L		1010		1240	3940
Potass um	7440-09-7	1	g/L		22		15	16
EG020F: D ssolved Metals by ICP-MS								
Arsen c	7440-38-2	0.001	g/L		0.009		0.001	0.003
Boron	7440-42-8	0.05	g/L		<0.05		0.06	0.15
Bar um	7440-39-3	0.001	g/L		0.017		0.042	0.013
Beryll um	7440-41-7	0.001	g/L		<0.001		<0.001	<0.001
Cadm um	7440-43-9	0.0001	g/L		0.0001		0.0001	<0.0001
Cobalt	7440-48-4	0.001	g/L		0.010		0.016	<0.001
Chrom um	7440-47-3	0.001	g/L		<0.001		<0.001	<0.001
Copper	7440-50-8	0.001	g/L		0.005		0.004	<0.001
Manganese	7439-96-5	0.001	g/L		0.400		0.309	0.051
N ckel	7440-02-0	0.001	g/L		0.010		0.007	<0.001
Lead	7439-92-1	0.001	g/L		<0.001		<0.001	<0.001
Selen um	7782-49-2	0.01	g/L		<0.01		<0.01	0.02
Vanad um	7440-62-2	0.01	g/L		<0.01		<0.01	<0.01



Analytical Results

Sub-Matrix: **WATER** (Matrix: **WATER**)

Sub-Matrix: WATER (Matrix: WATER)			Client sample ID					
			Client sampling date / time		BH3	20 BL 170864	BH5	BH4
Compound	CAS Number	LOR	Unit		ES1319071-001	ES1319071-002	ES1319071-003	ES1319071-004
EG020F: Dissolved Metals by ICP-MS - Continued								
Zinc	7440-66-6	0.005	g/L		0.037	0.052	<0.005	<0.005
EG035F: Dissolved Mercury by FIMS								
Mercury	7439-97-6	0.0001	g/L		<0.0001	<0.0001	<0.0001	<0.0001
EK055G: Ammonia as N by DSCrete Analyser								
Ammonia as N	7664-41-7	0.01	g/L		0.77	0.06	0.68	0.30
EK057G: Nitrate as N by DSCrete Analyser								
Nitrate as N		0.01	g/L		<0.01	<0.01	<0.01	<0.01
EK058G: Nitrate as N by DSCrete Analyser								
Nitrate as N	14797-55-8	0.01	g/L		<0.10	1.24	0.04	0.02
EK059G: Nitrate plus Nitrite as N (NOx) by DSCrete Analyser								
Nitrate + Nitrite as N		0.01	g/L		<0.10	1.24	0.04	0.02
EK061G: Total Kjeldahl Nitrogen By DSCrete Analyser								
Total Kjeldahl Nitrogen as N		0.1	g/L		2.3	0.3	0.7	0.4
EK062G: Total Nitrogen as N (TKN + NOx) by DSCrete Analyser								
Total Nitrogen as N		0.1	g/L		2.3	1.5	0.7	0.4
EK067G: Total Phosphorus as P by DSCrete Analyser								
Total Phosphorus as P		0.01	g/L		0.13	0.01	0.15	0.02
EN055: Ion Concentration Balance								
Total Anions		0.01	eq/L		50.6	73.3	47.0	201
Total Cations		0.01	eq/L		54.2	79.8	51.2	222
Ion Concentration Balance		0.01	%		3.37	4.18	4.24	4.95