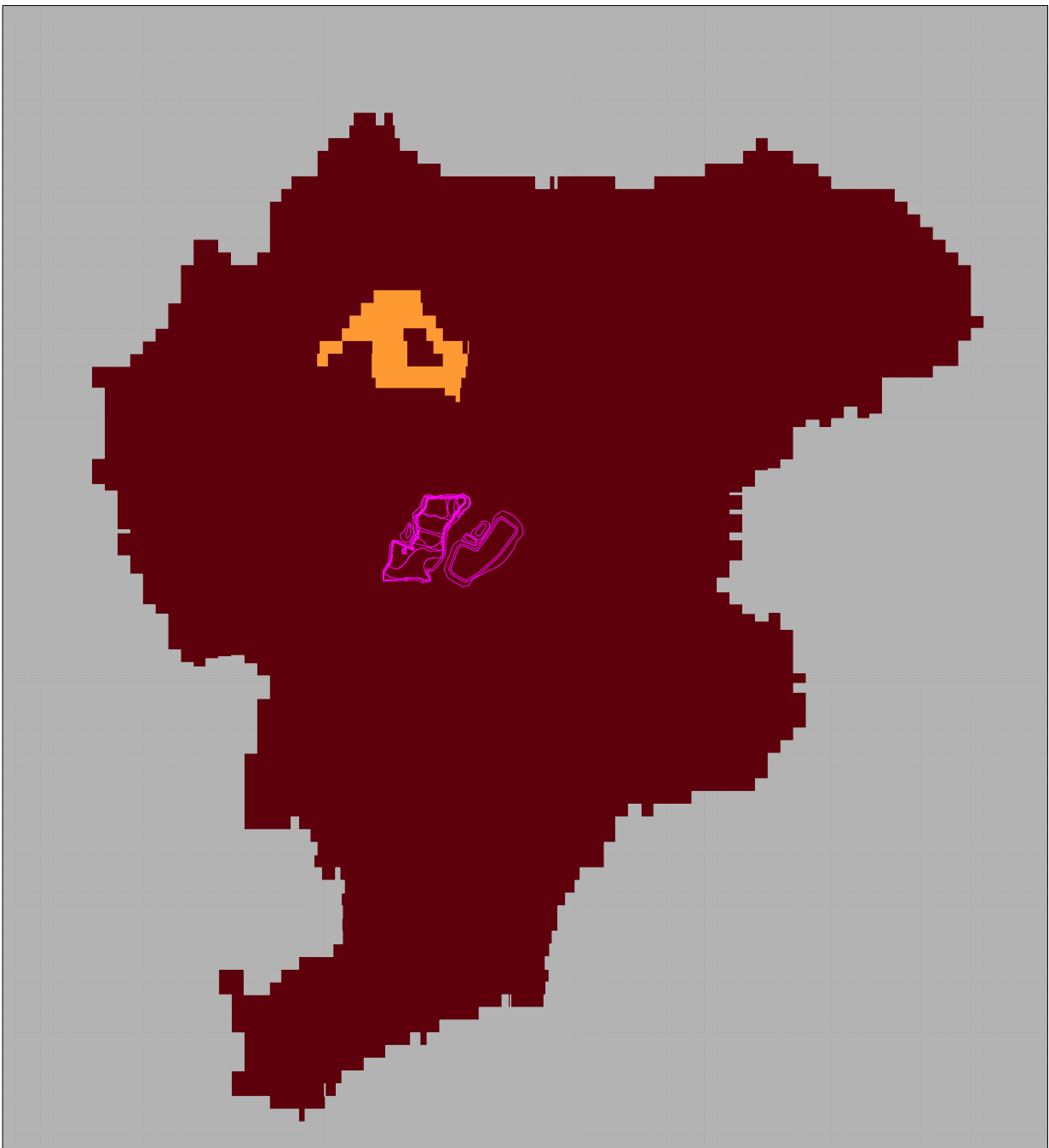




Appendix B



Hydraulic Distribution by Layer

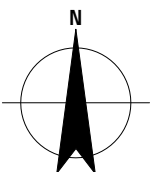


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 1 - OVERBURDEN
-  ZONE 10 - HIGHER CONDUCTIVITY OVERBURDEN



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 LAYER 1

FIGURE B-1

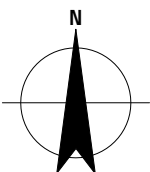


LEGEND

 NO-FLOW BOUNDARY CONDITION
 PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

 ZONE 9 - FRACTURED BEDROCK

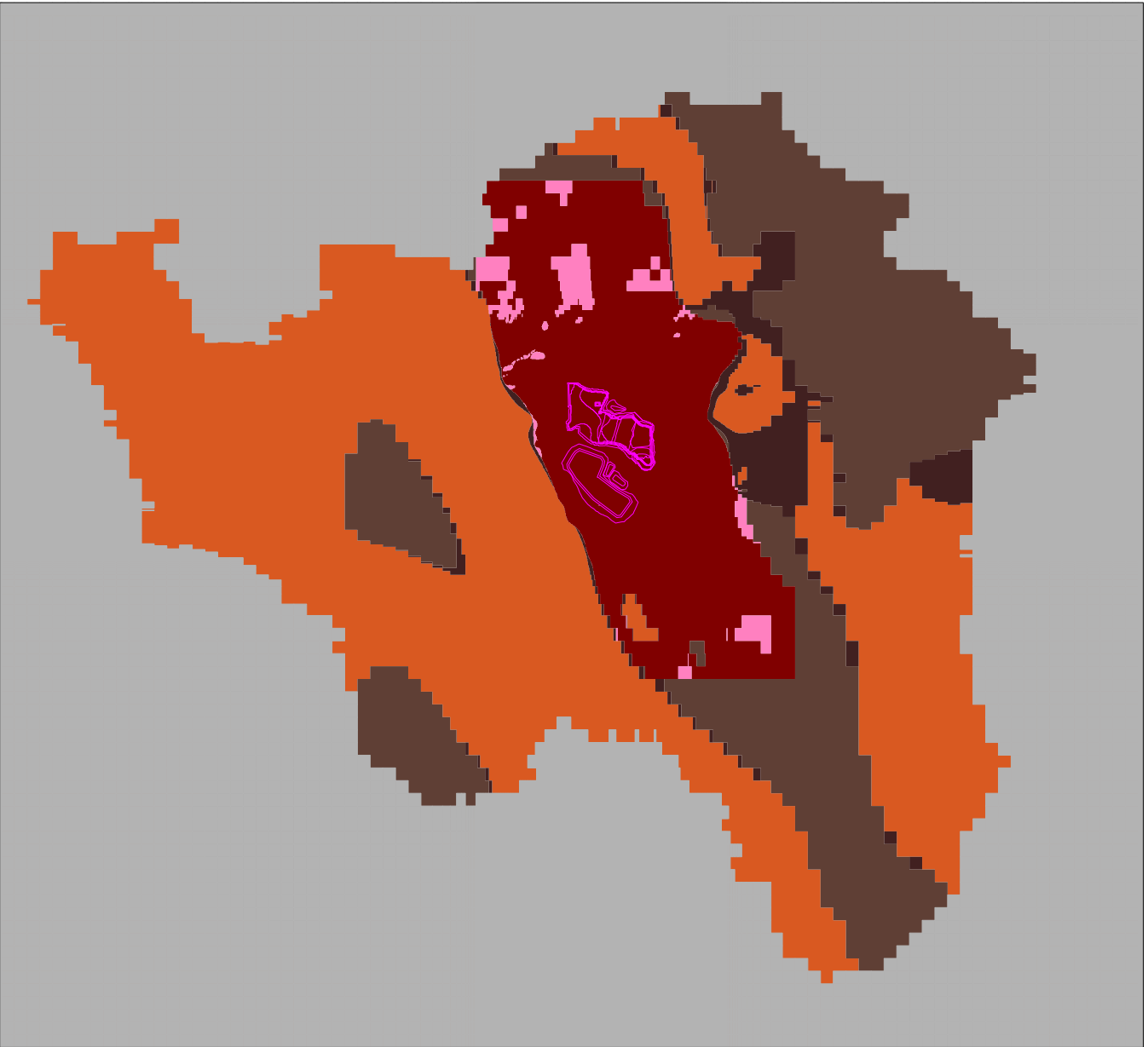


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 LAYER 2

FIGURE B-2

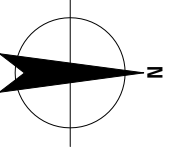


LEGEND

- NO-FLOW BOUNDARY CONDITION
- PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

- ZONE 2 - CARROLL'S CORNER FORMATION
- ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
- ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
- ZONE 6 - GAYS RIVER FORMATION
- ZONE 7 - MEGUMA GROUP (BEDROCK)

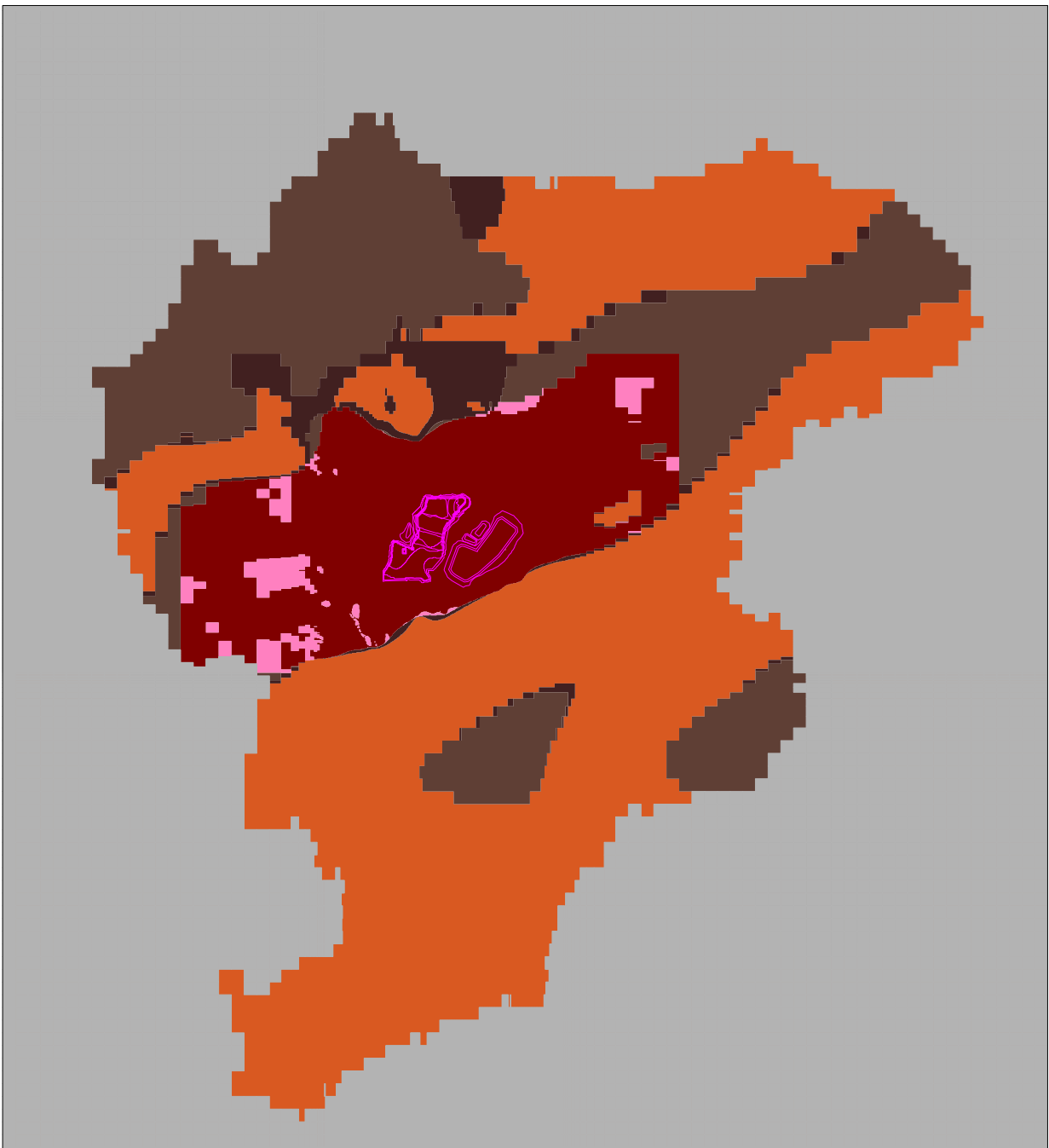


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 LAYER 3

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FIGURE B-3

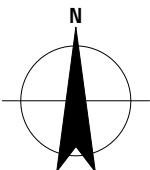


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

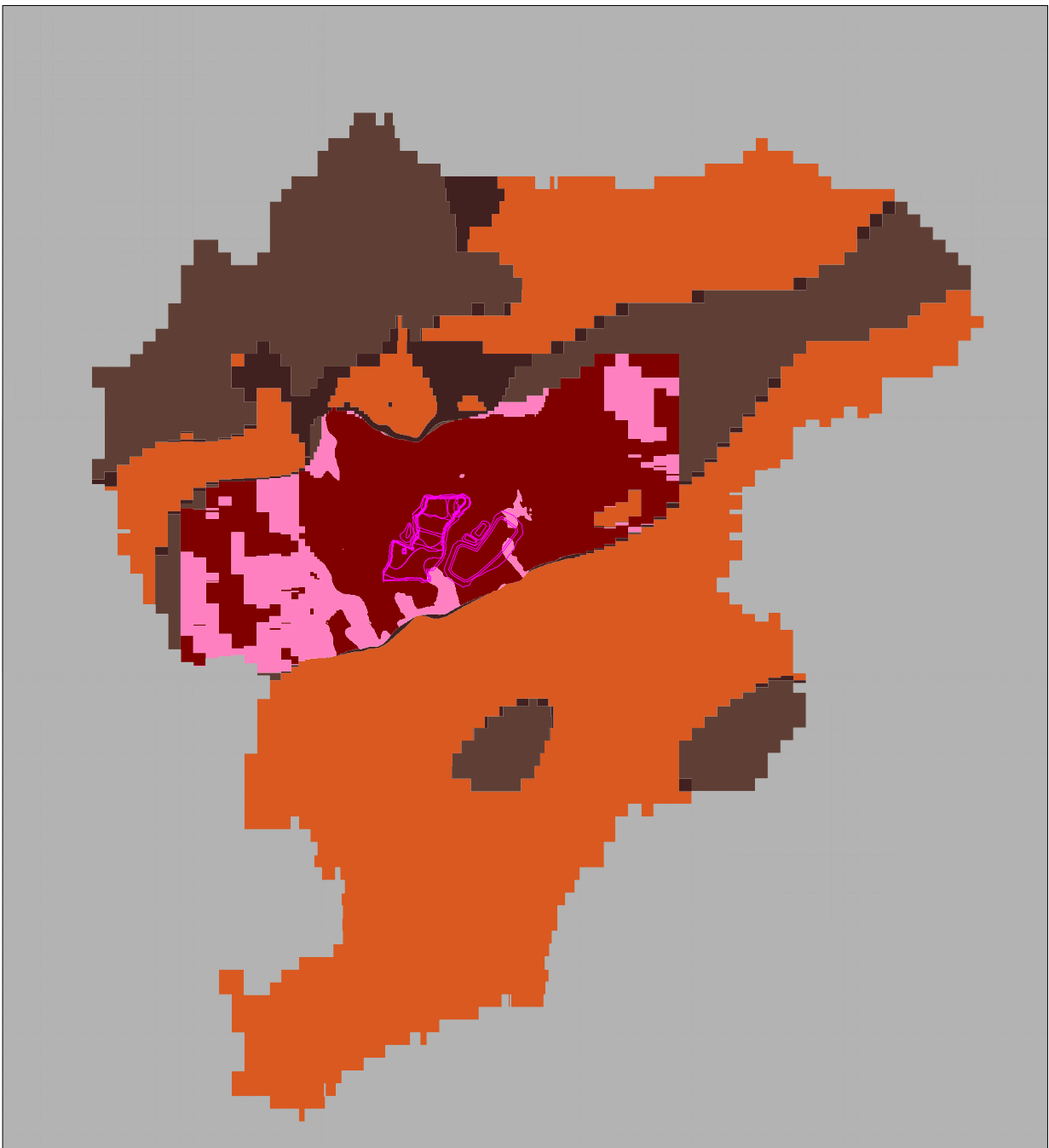


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HYDRAULIC CONDUCTIVITY DISTRIBUTION
LAYER 4






FIGURE B-4

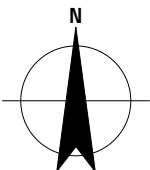


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

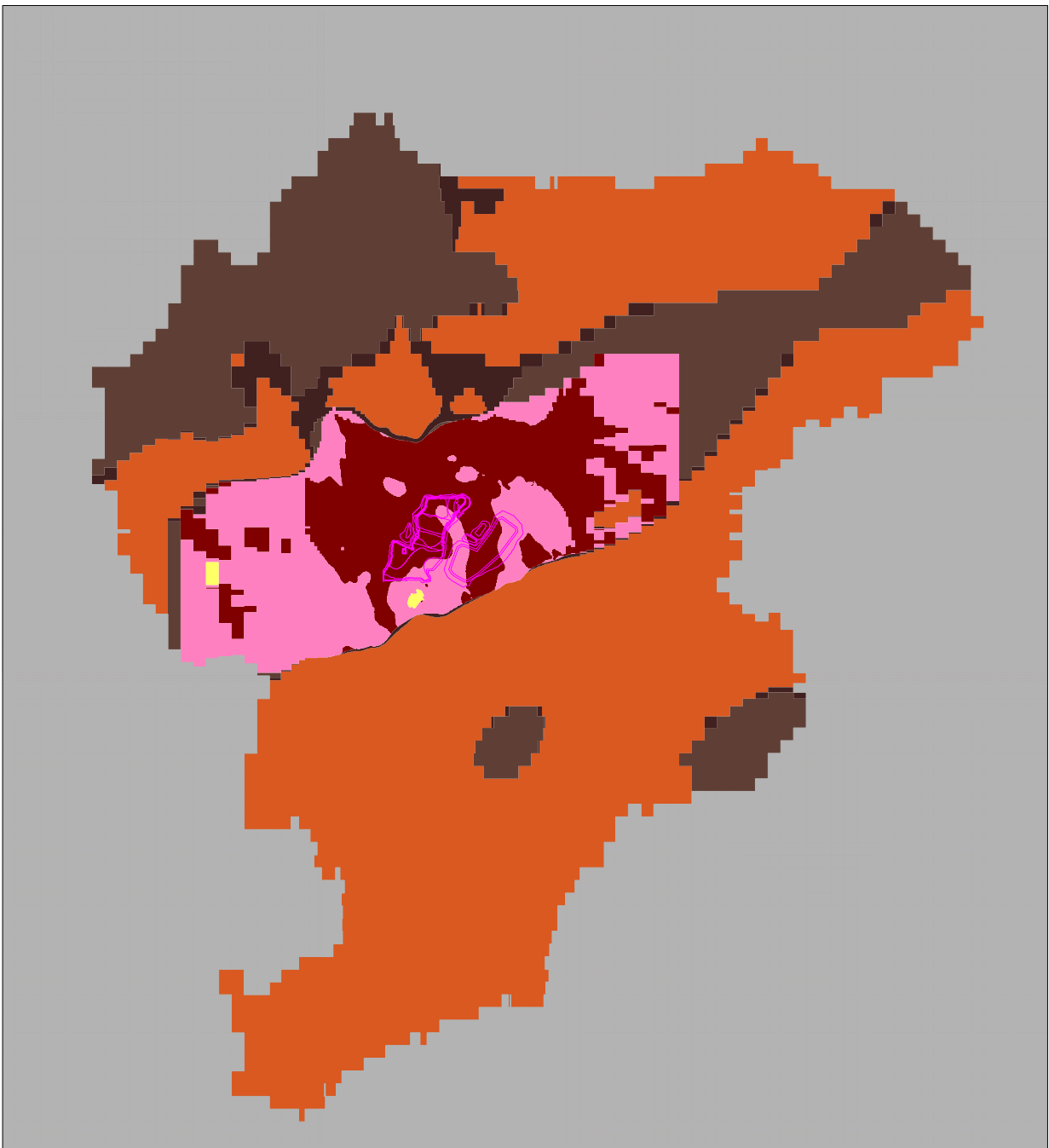


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HYDRAULIC CONDUCTIVITY DISTRIBUTION
LAYER 5







FIGURE B-5

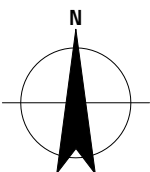


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

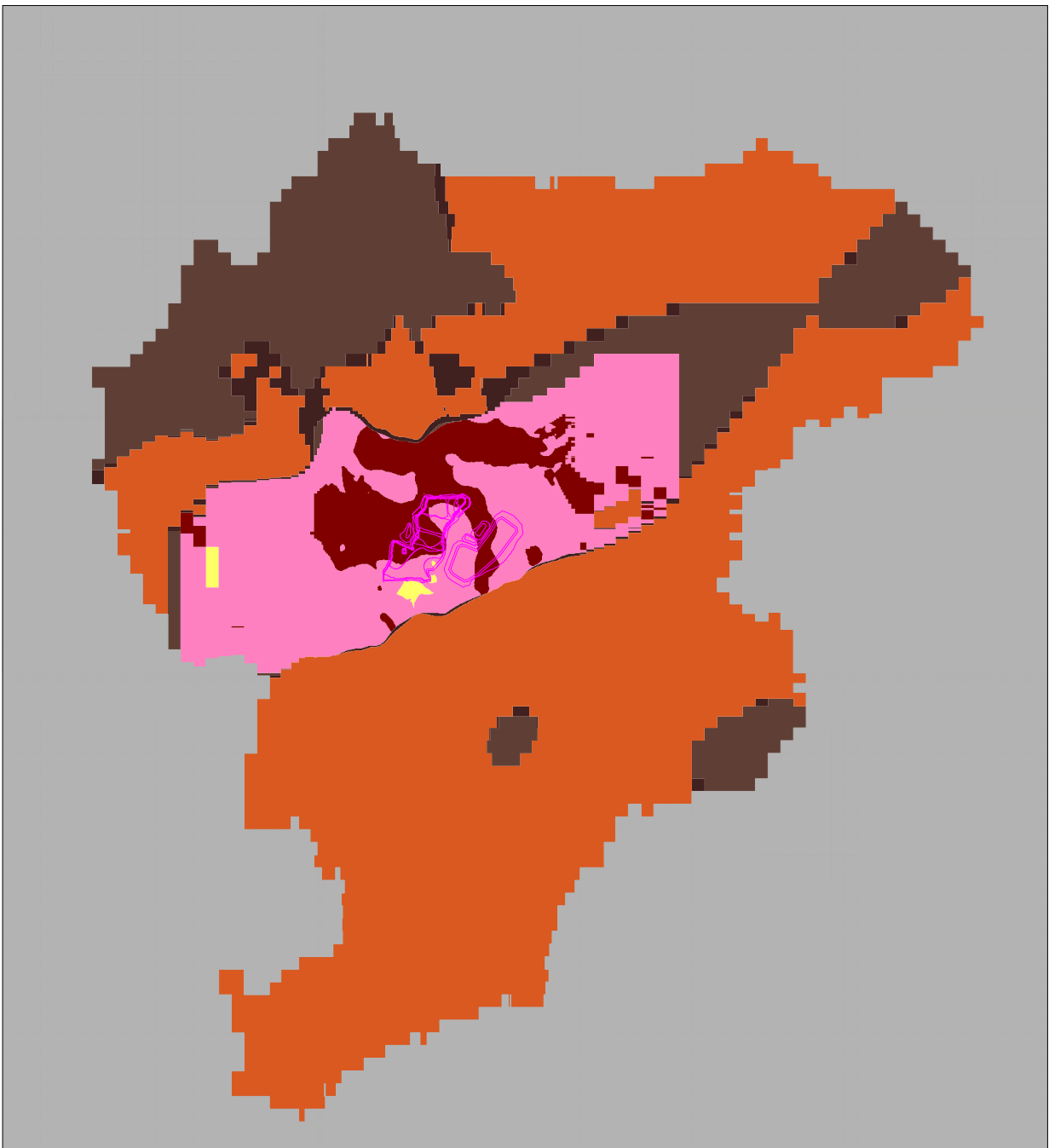


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HYDRAULIC CONDUCTIVITY DISTRIBUTION
LAYER 6







FIGURE B-6

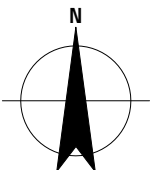


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

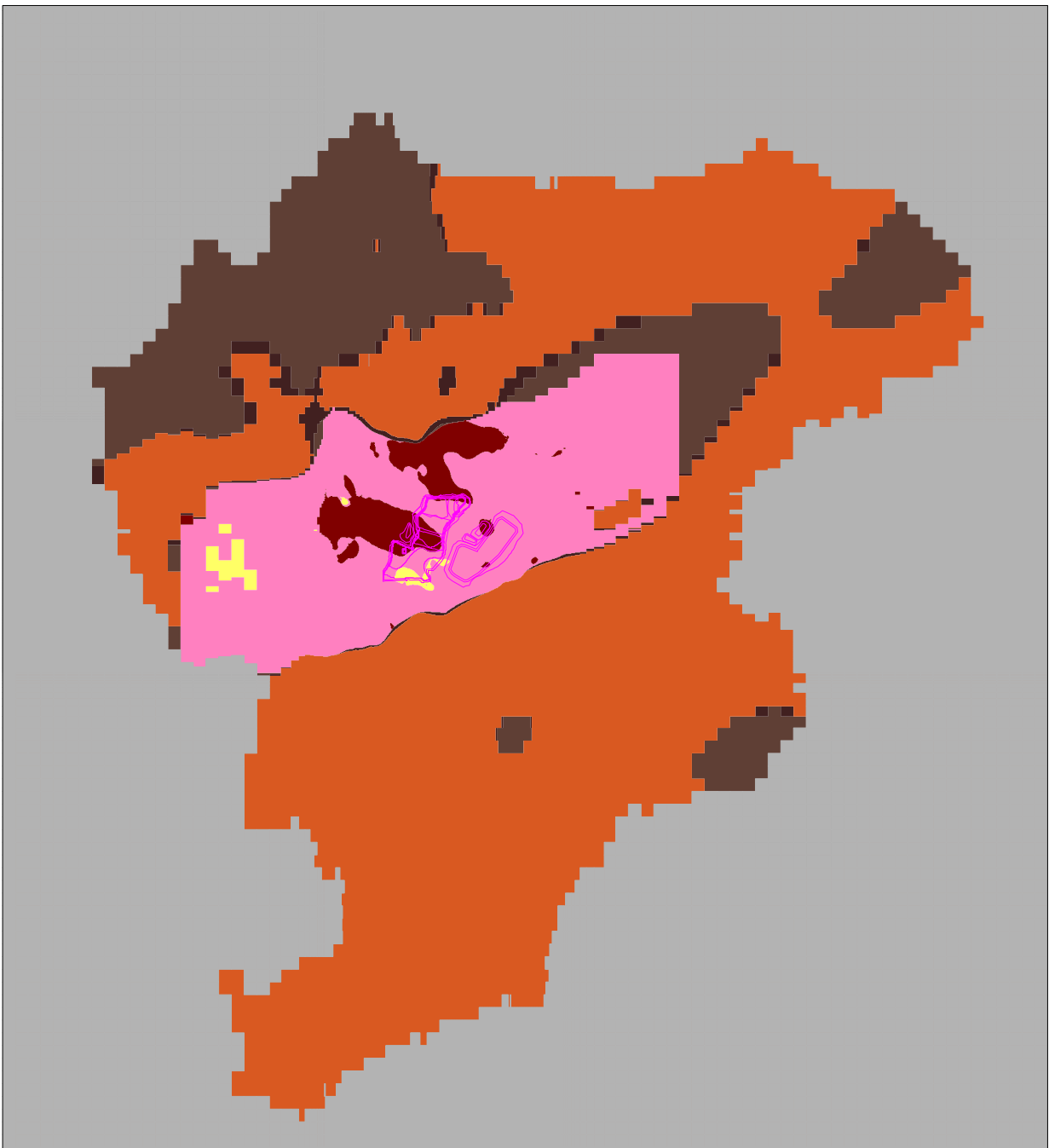


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HYDRAULIC CONDUCTIVITY DISTRIBUTION
LAYER 7







FIGURE B-7

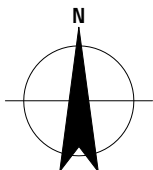


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

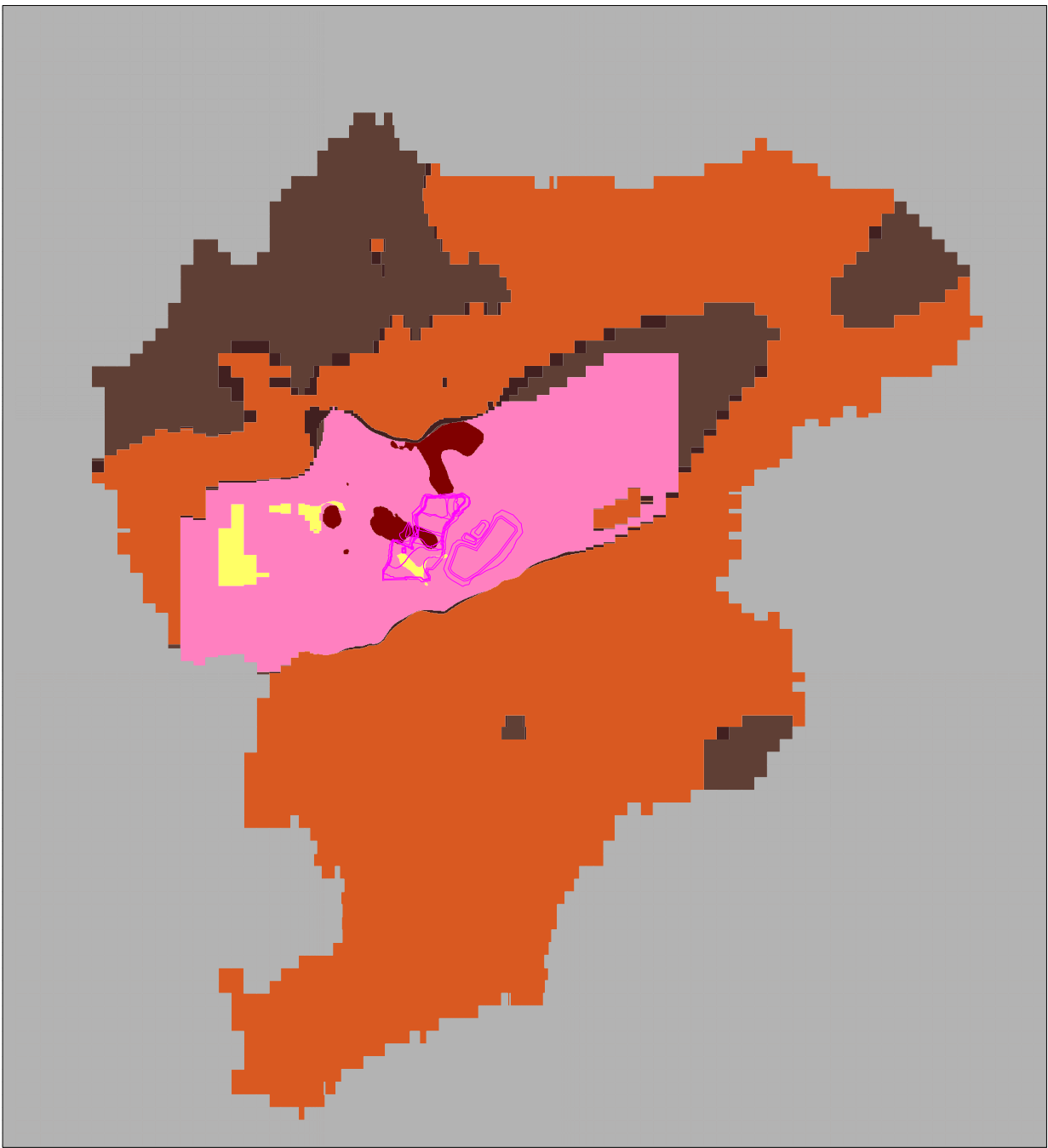


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LAYER 8







FIGURE B-8

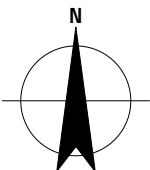
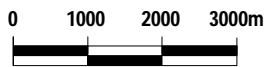


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

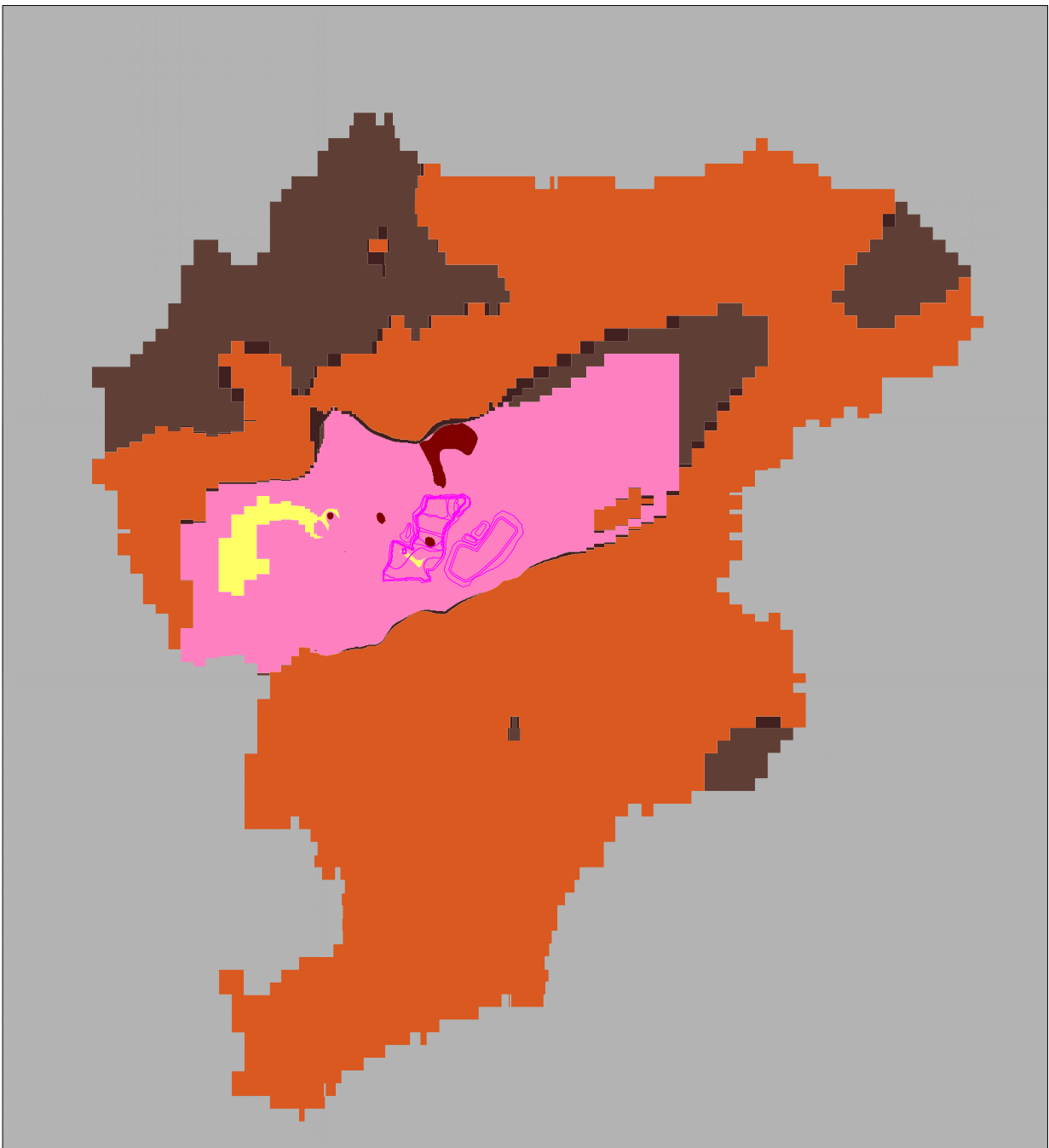


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LAYER 9







FIGURE B-9

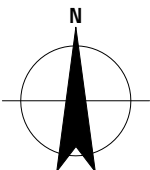
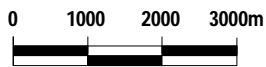


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

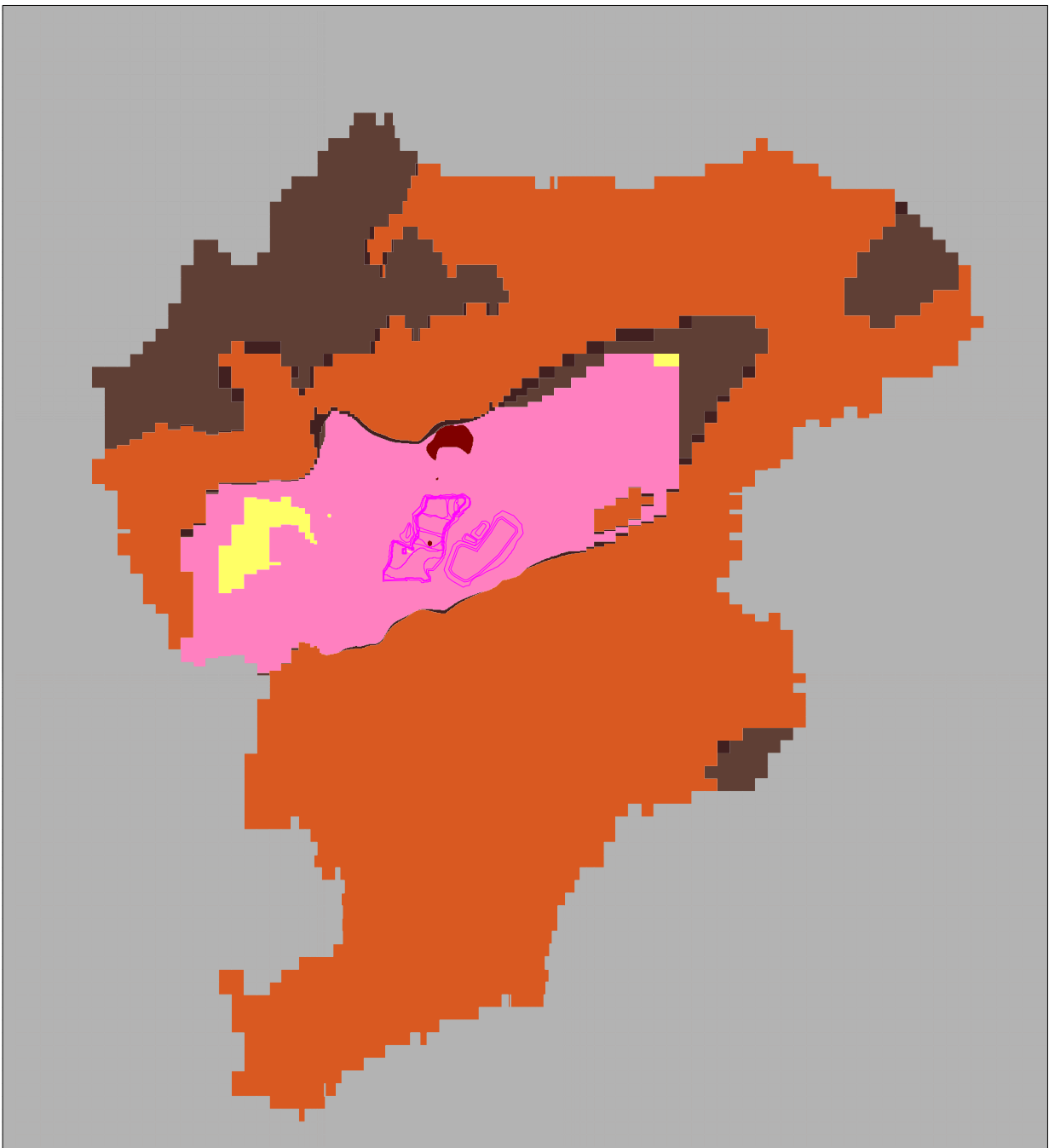


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HYDRAULIC CONDUCTIVITY DISTRIBUTION
LAYER 10







FIGURE B-10

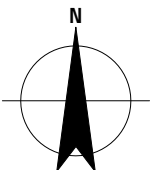
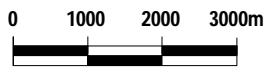


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

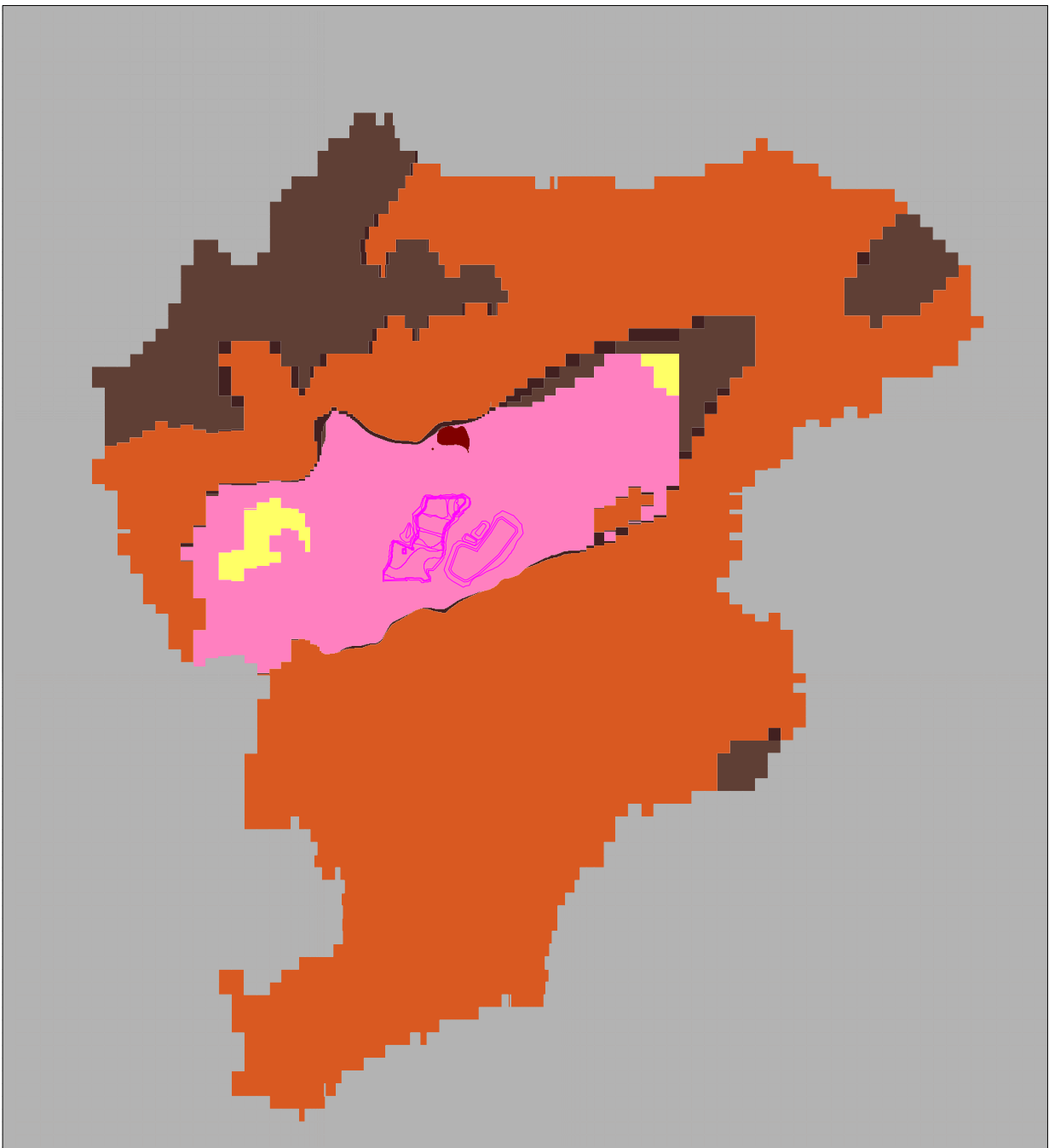


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HYDRAULIC CONDUCTIVITY DISTRIBUTION
LAYER 11







FIGURE B-11

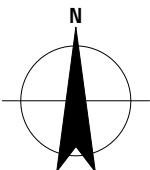


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)



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HYDRAULIC CONDUCTIVITY DISTRIBUTION
LAYER 12







FIGURE B-12

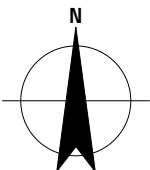
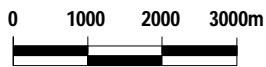


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

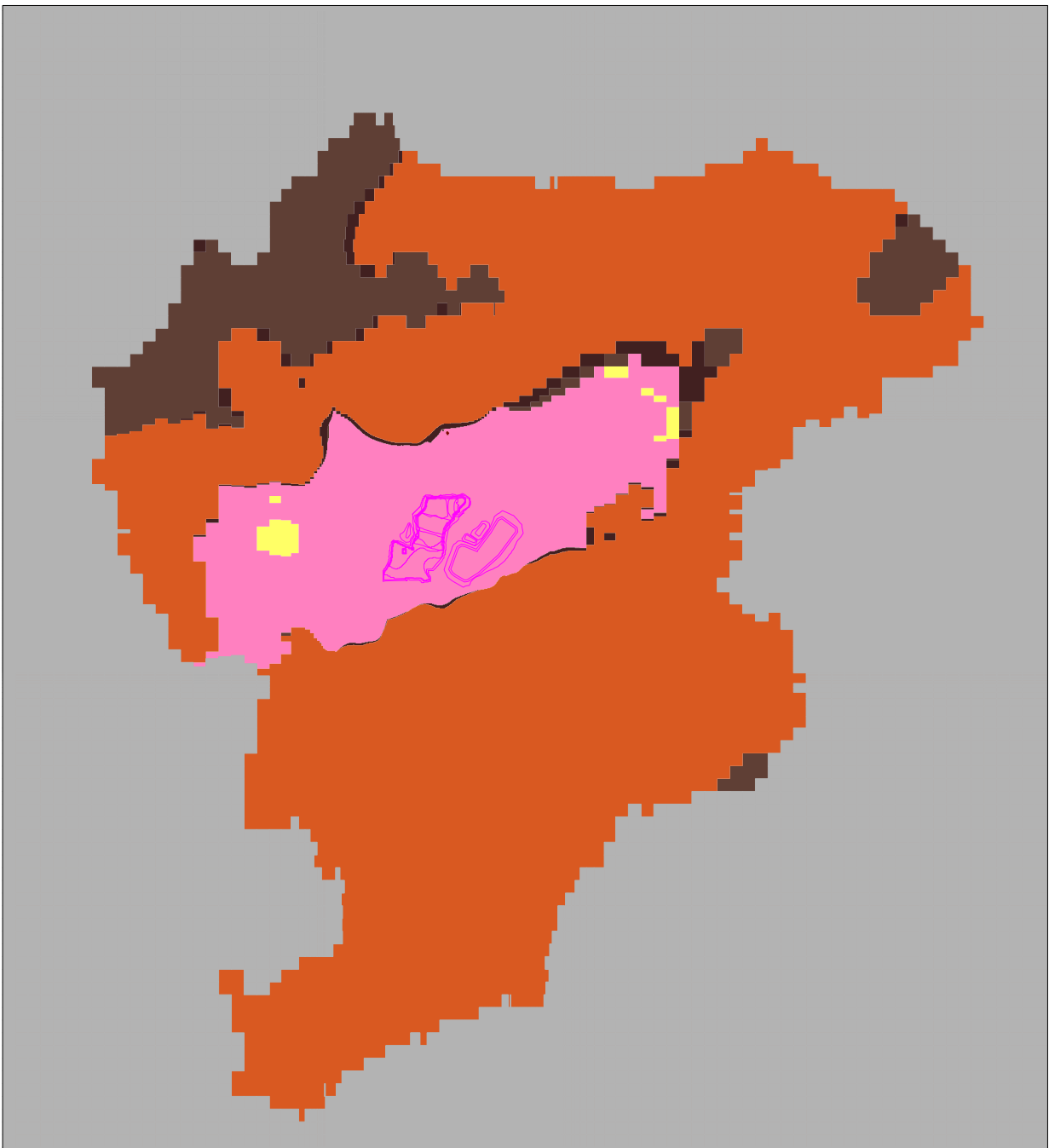


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 LAYER 13 - 14







FIGURE B-13

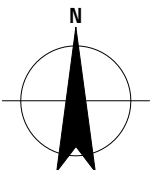


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

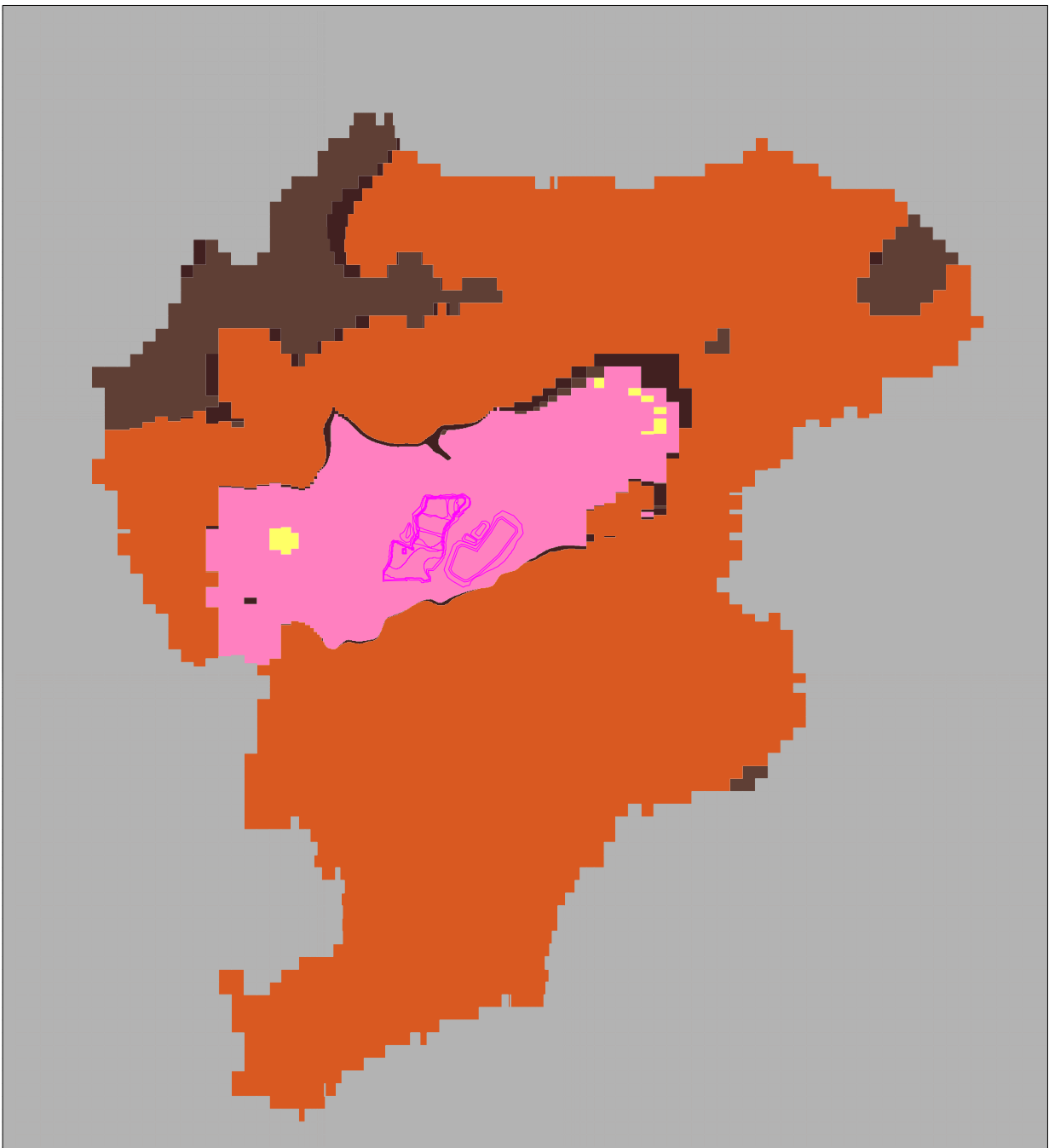


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LAYER 15 - 16






FIGURE B-14

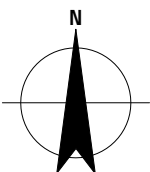


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)



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LAYER 17

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FIGURE B-15

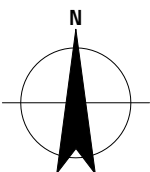


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

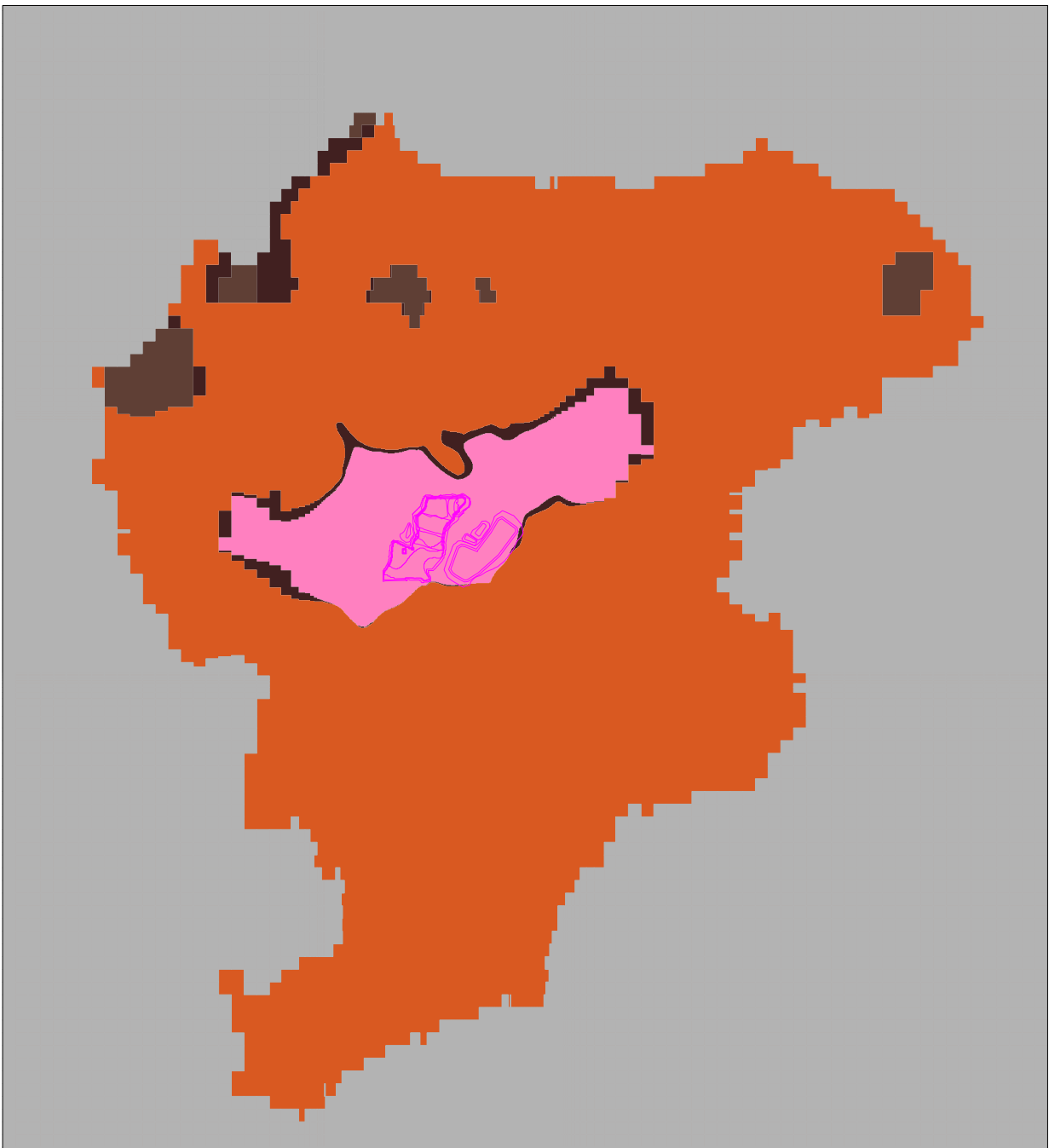


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LAYER 18





FIGURE B-16

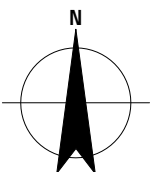


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)



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LAYER 19





FIGURE B-17

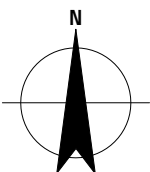


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

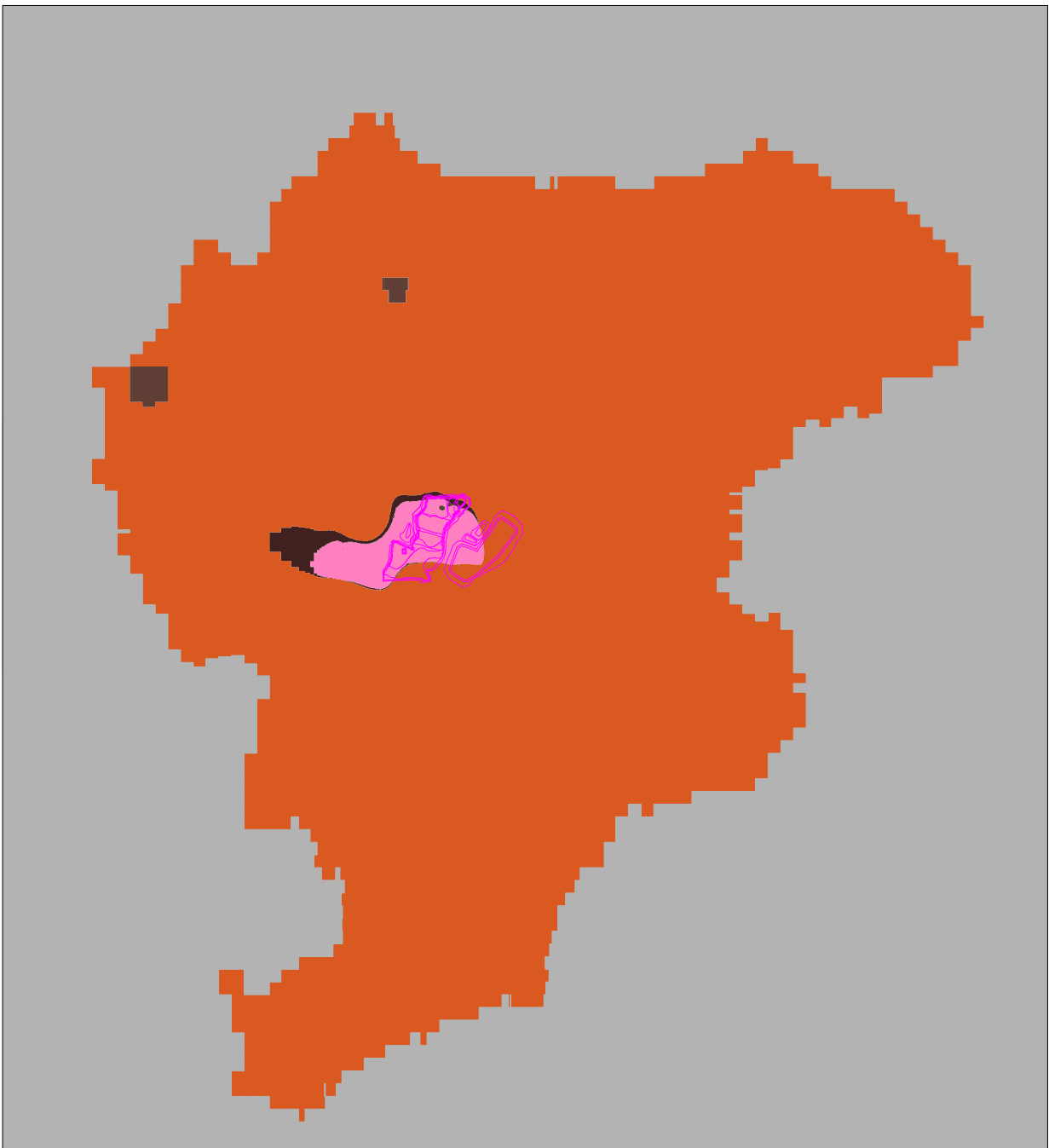


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 LAYER 20





FIGURE B-18

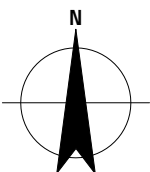


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)

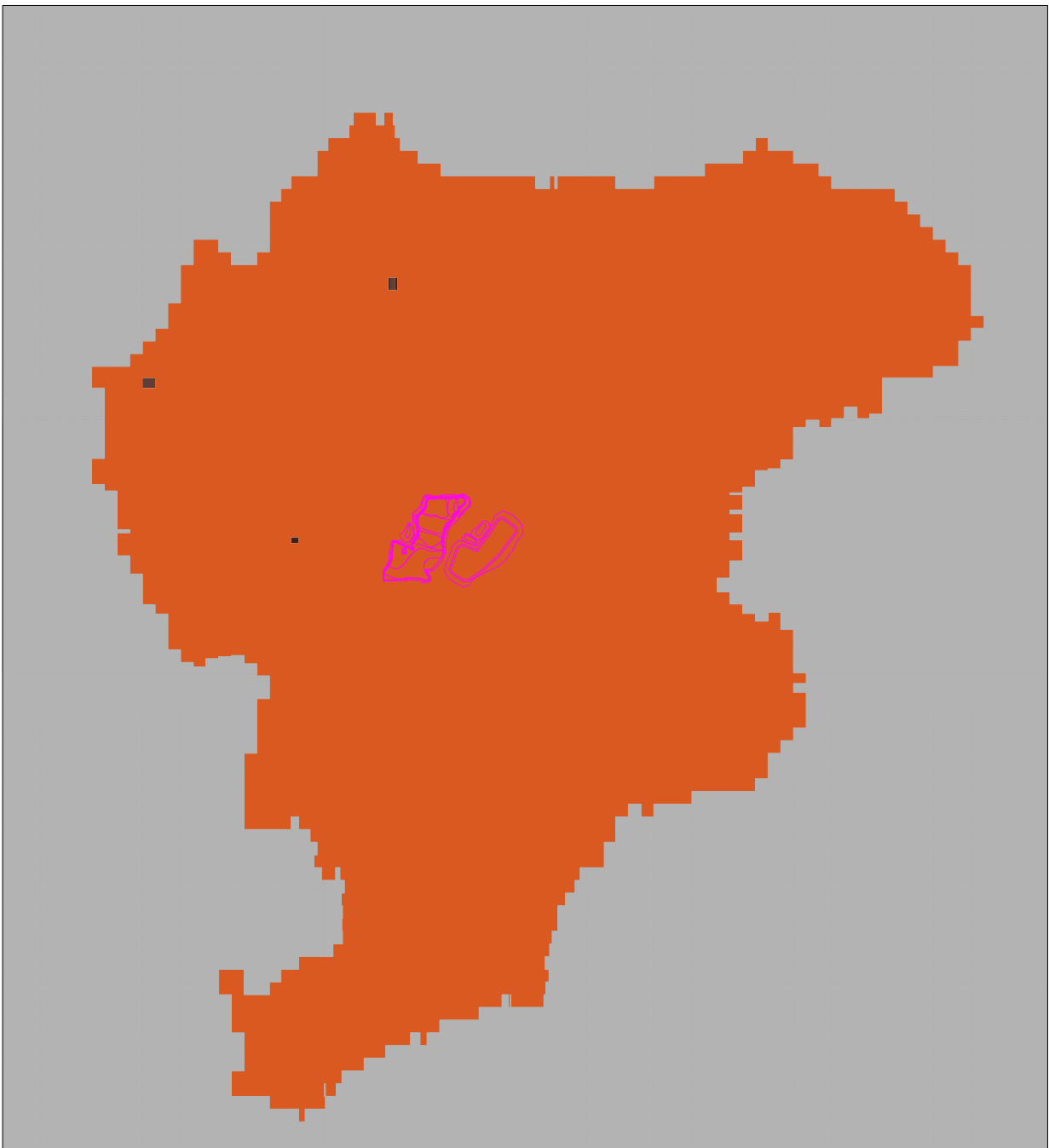


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HYDRAULIC CONDUCTIVITY DISTRIBUTION
LAYER 21




FIGURE B-19

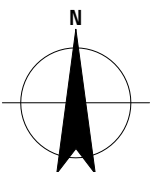


LEGEND

-  NO-FLOW BOUNDARY CONDITION
-  PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 2 - CARROLL'S CORNER FORMATION
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)



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HYDRAULIC CONDUCTIVITY DISTRIBUTION
 LAYER 22

FIGURE B-20

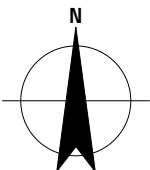
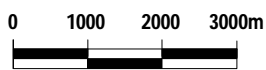


LEGEND

 NO-FLOW BOUNDARY CONDITION
 PROPOSED MINE FEATURES

HYDRAULIC CONDUCTIVITY ZONES

 ZONE 7 - MEGUMA GROUP (BEDROCK)



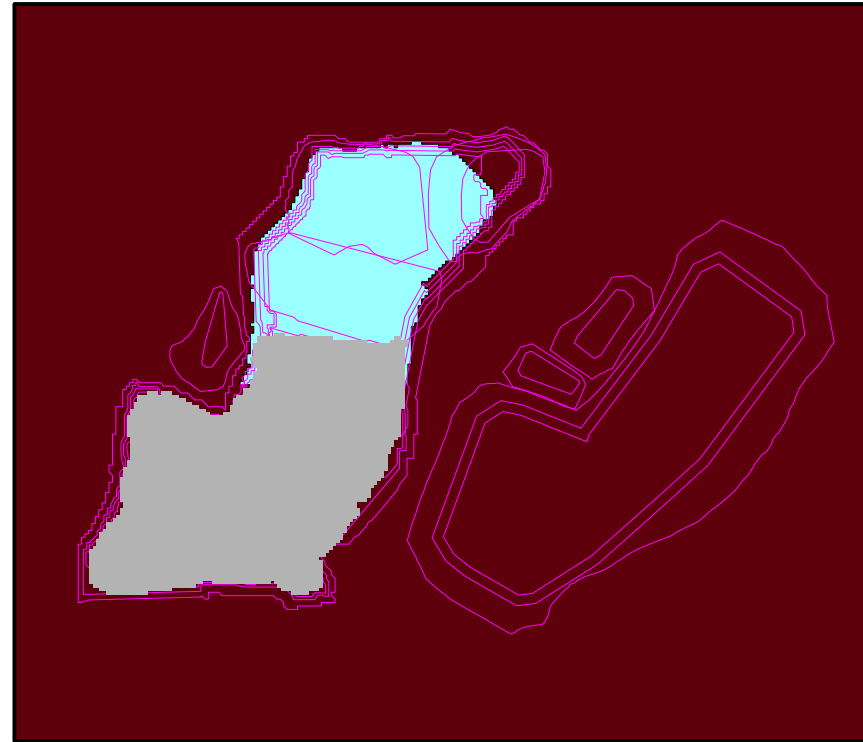
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HYDRAULIC CONDUCTIVITY DISTRIBUTION
 LAYER 23-26

FIGURE B-21

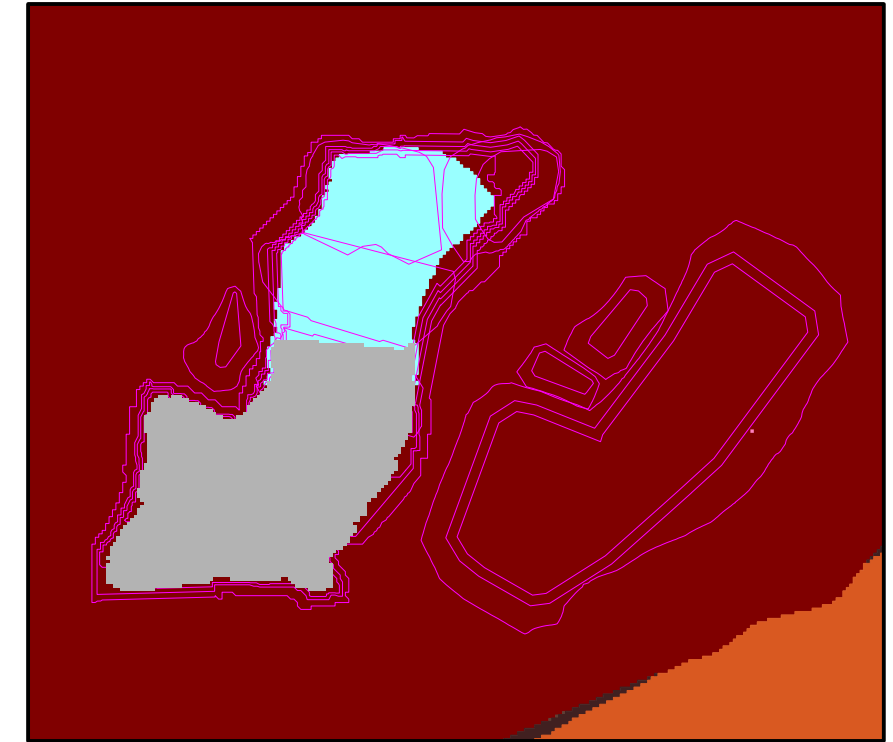
LAYER 1



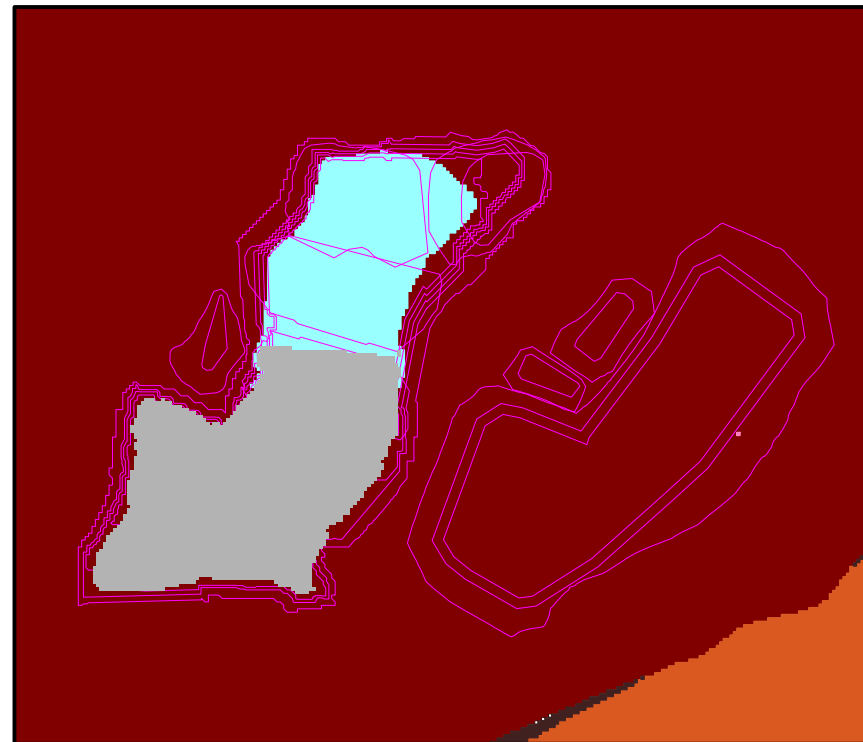
LAYER 2



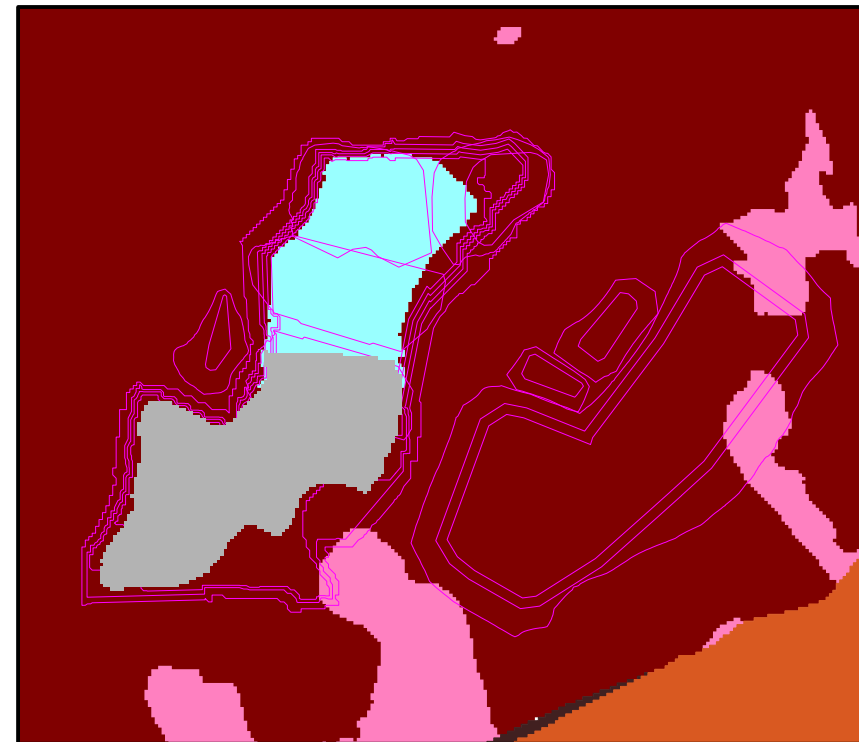
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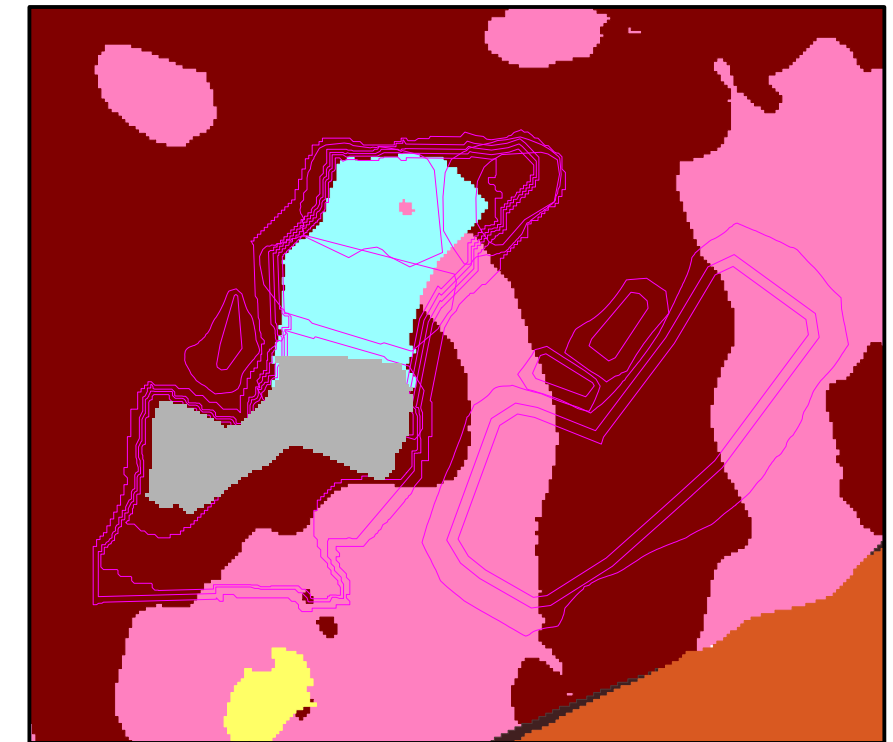
LAYER 4





LAYER 5





LAYER 6











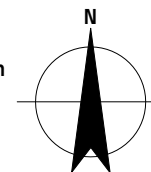
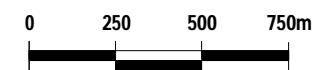
LEGEND

-  PROPOSED MINE FEATURES
-  NO-FLOW BOUNDARY CONDITION

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 1 - OVERBURDEN
-  ZONE 2 - CARROLL'S CORNER FORMATION

-  ZONE 3 - CARROLL'S CORNER FORMATION (DOLOMITE/ANHYDRITE)
-  ZONE 4 - CARROLL'S CORNER FORMATION (ANHYDRITE)
-  ZONE 5 - CARROLL'S CORNER FORMATION (GYPSUM)
-  ZONE 6 - GAYS RIVER FORMATION
-  ZONE 7 - MEGUMA GROUP (BEDROCK)
-  ZONE 9 - FRACTURED BEDROCK
-  ZONE 10 - HIGHER CONDUCTIVITY OVERBURDEN
-  ZONE 11 - BACKFILL



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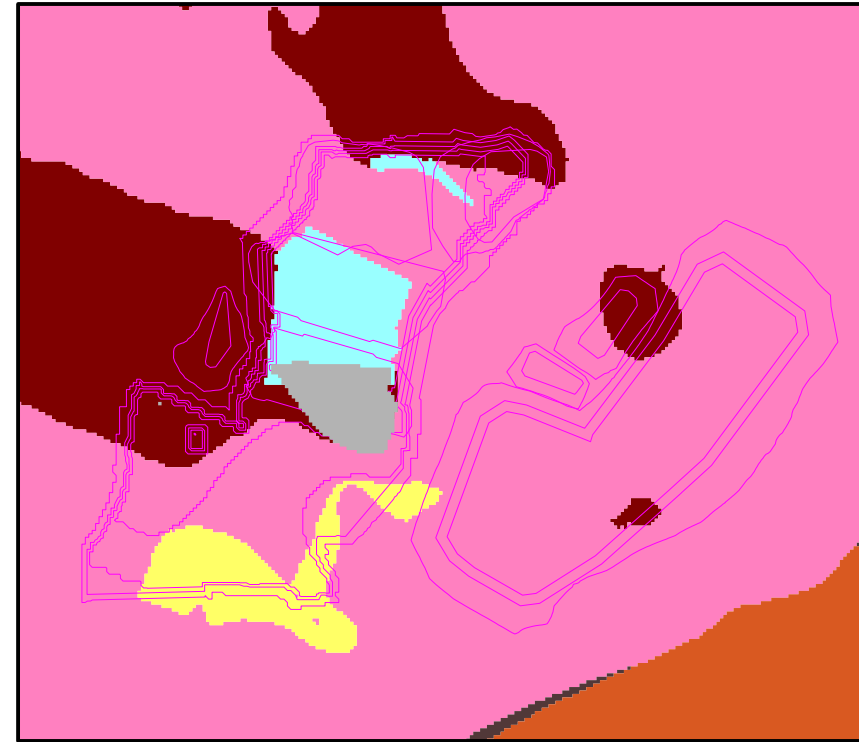
HYDRAULIC CONDUCTIVITIES BY LAYER
PHASE 2 PIT END-OF-MINE: LAYERS 1 - 6

FIGURE B-22

LAYER 7



LAYER 8



LAYER 9



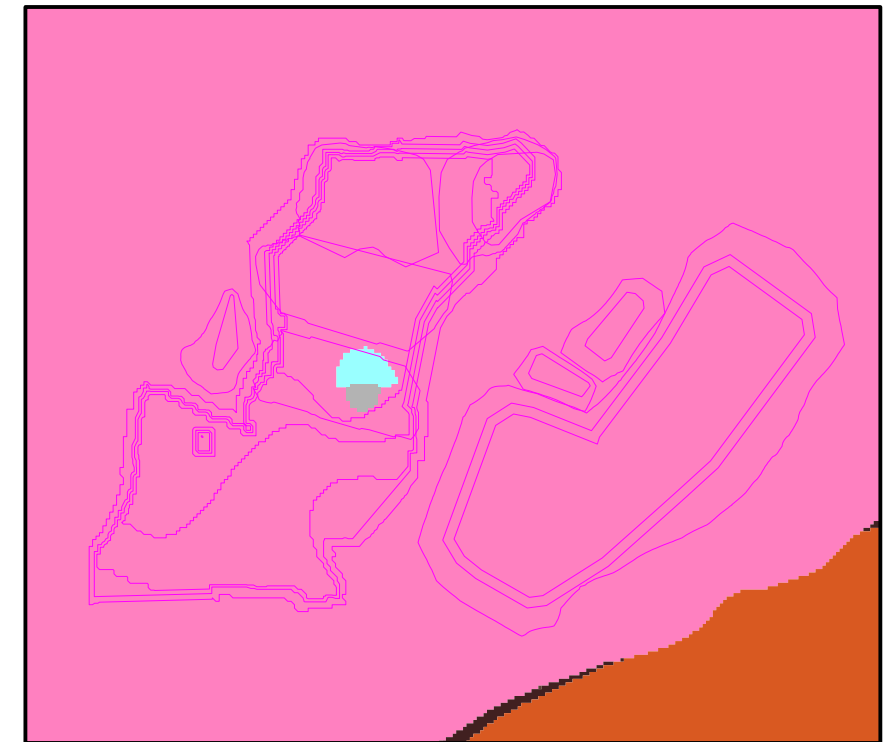
LAYER 10





LAYER 11





LAYER 12











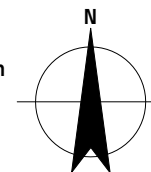
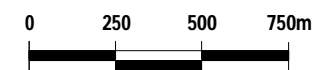
LEGEND

-  PROPOSED MINE FEATURES
-  NO-FLOW BOUNDARY CONDITION

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 1 - OVERBURDEN
-  ZONE 2 - CARROLL'S CORNER FORMATION

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-  ZONE 9 - FRACTURED BEDROCK
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HYDRAULIC CONDUCTIVITIES BY LAYER
PHASE 2 PIT END-OF-MINE: LAYERS 7 - 12

FIGURE B-23

LAYER 13





LAYER 14





LAYER 15











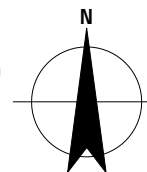
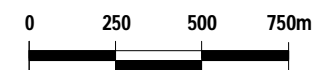
LEGEND

-  PROPOSED MINE FEATURES
-  NO-FLOW BOUNDARY CONDITION

HYDRAULIC CONDUCTIVITY ZONES

-  ZONE 1 - OVERBURDEN
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HYDRAULIC CONDUCTIVITIES BY LAYER
PHASE 2 PIT END-OF-MINE: LAYERS 13 - 15

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FIGURE B-24

