

Appendix 4: Plan Map – 1:4000 DDH Locations

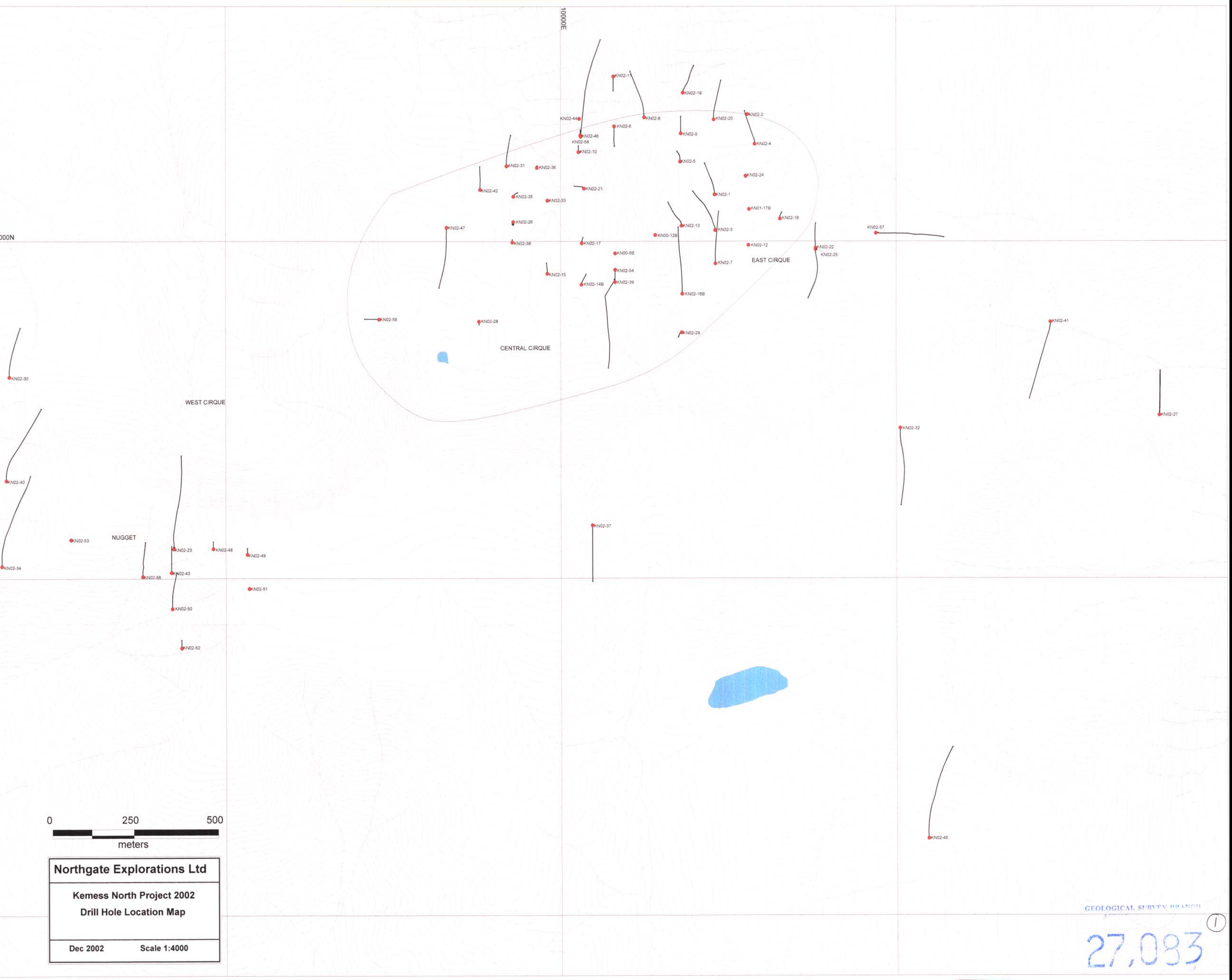
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

27,083
757

Appendix 5: Geologic Sections (21) – 1:1500

GEOLOGICAL SURVEY BRANCH
ASSESSMENT DIVISION

27,083



10000E

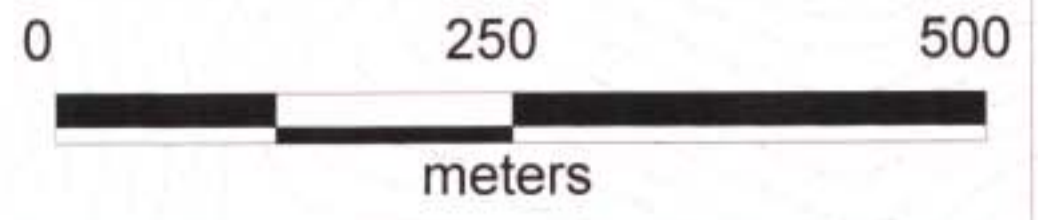
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WEST CIRQUE

CENTRAL CIRQUE

EAST CIRQUE

NUGGET

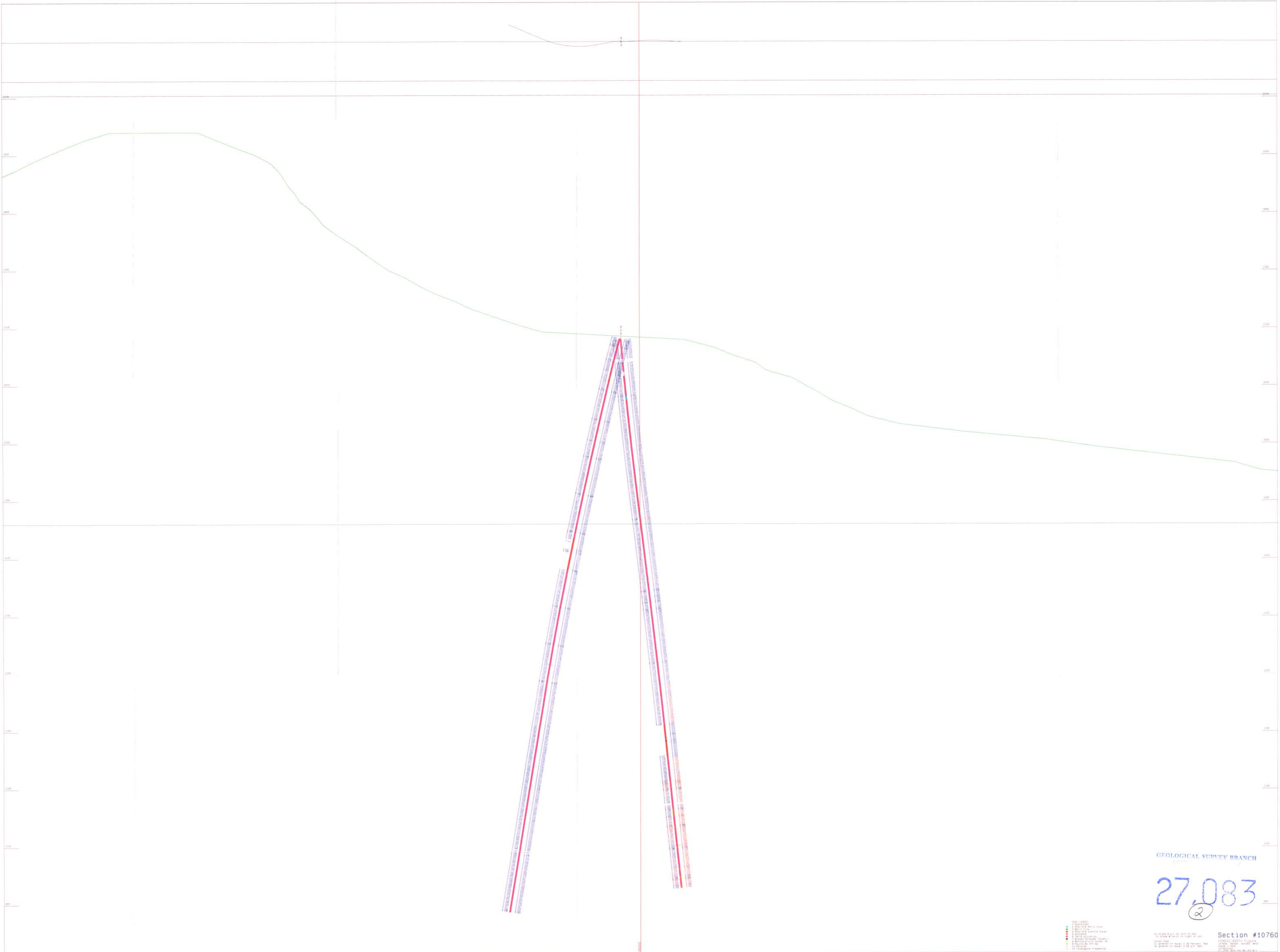


Northgate Explorations Ltd
Kemess North Project 2002
Drill Hole Location Map
Dec 2002 Scale 1:4000

GEOLOGICAL SURVEY BRANCH

27,083

1



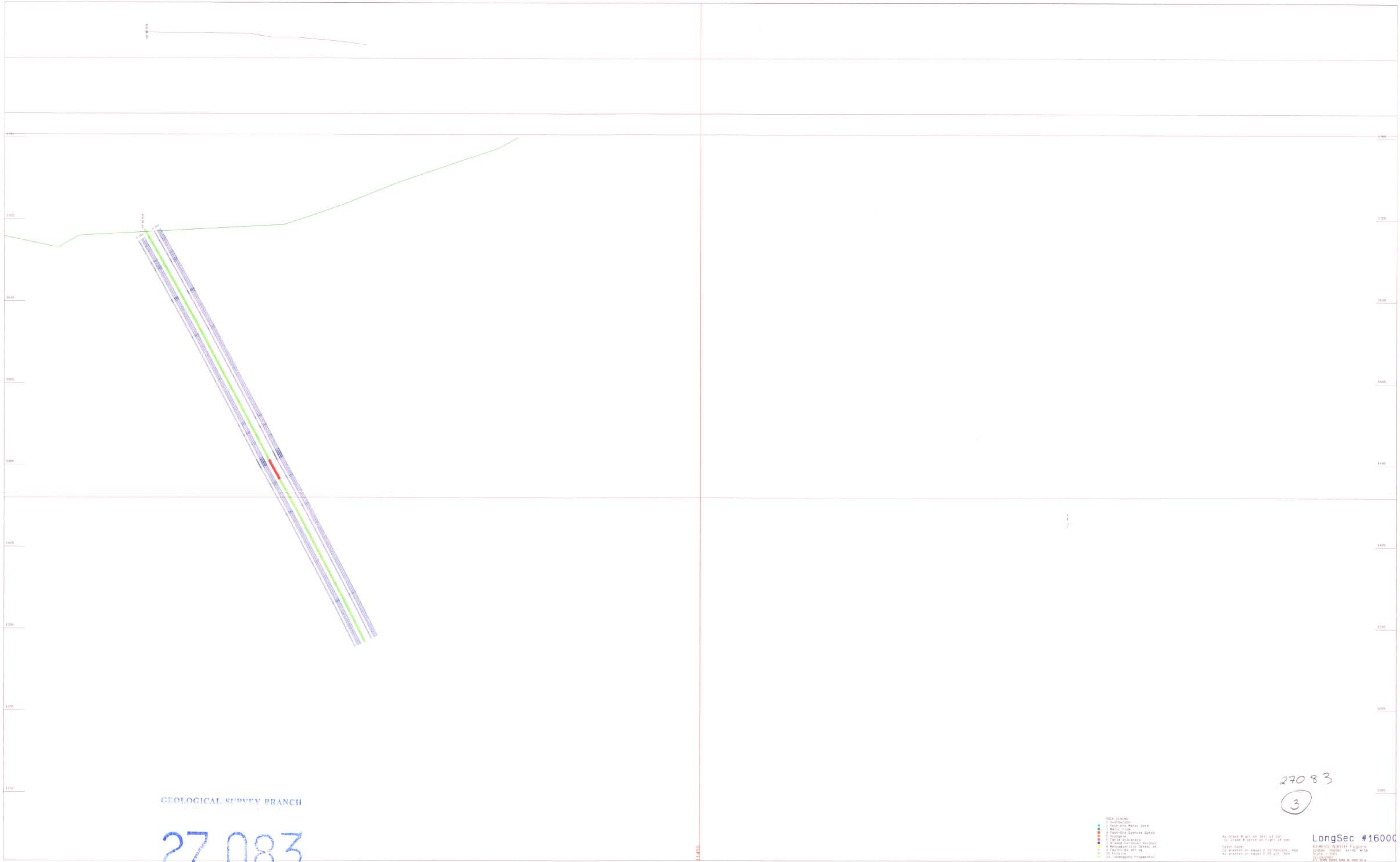
GEOLOGICAL SURVEY BRANCH

27,083

2

- 1. 1:1000
- 2. 1:2000
- 3. 1:5000
- 4. 1:10000
- 5. 1:25000
- 6. 1:50000
- 7. 1:100000
- 8. 1:200000
- 9. 1:500000
- 10. 1:1000000

Section #10760



GEOLOGICAL SURVEY BRANCH

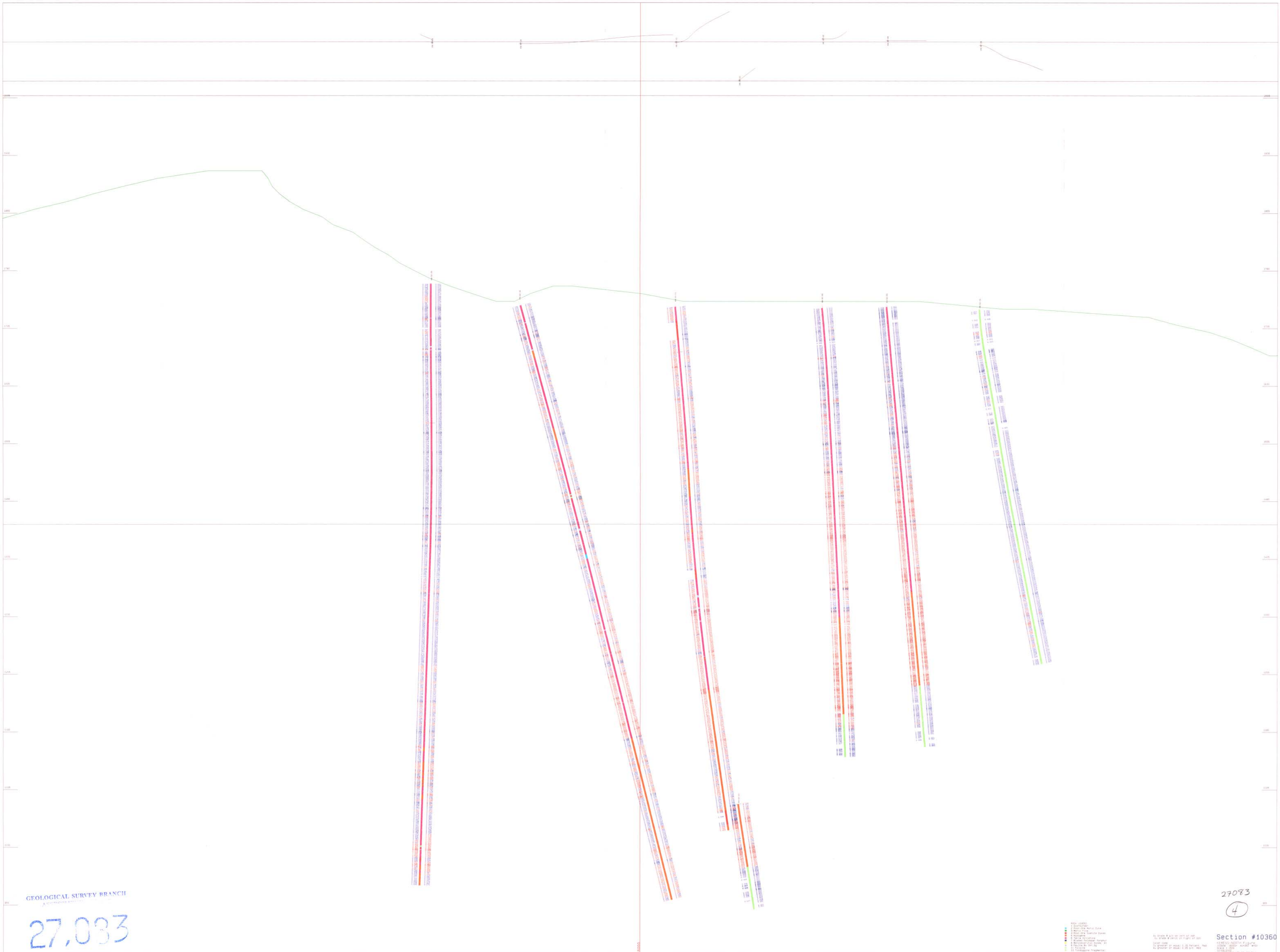
27,083

- 1 Unconsolidated
- 2 Post-Ore Metasandstone
- 3 Metasandstone
- 4 Post-Ore Sedimentary Rocks
- 5 Sandstone
- 6 Tuffaceous Sandstone
- 7 Metasandstone
- 8 Metasandstone
- 9 Metasandstone
- 10 Metasandstone
- 11 Metasandstone
- 12 Metasandstone

No grade to left of 100'
 To grade to right of 100'

LongSec #16000

27083
 3



GEOLOGICAL SURVEY BRANCH

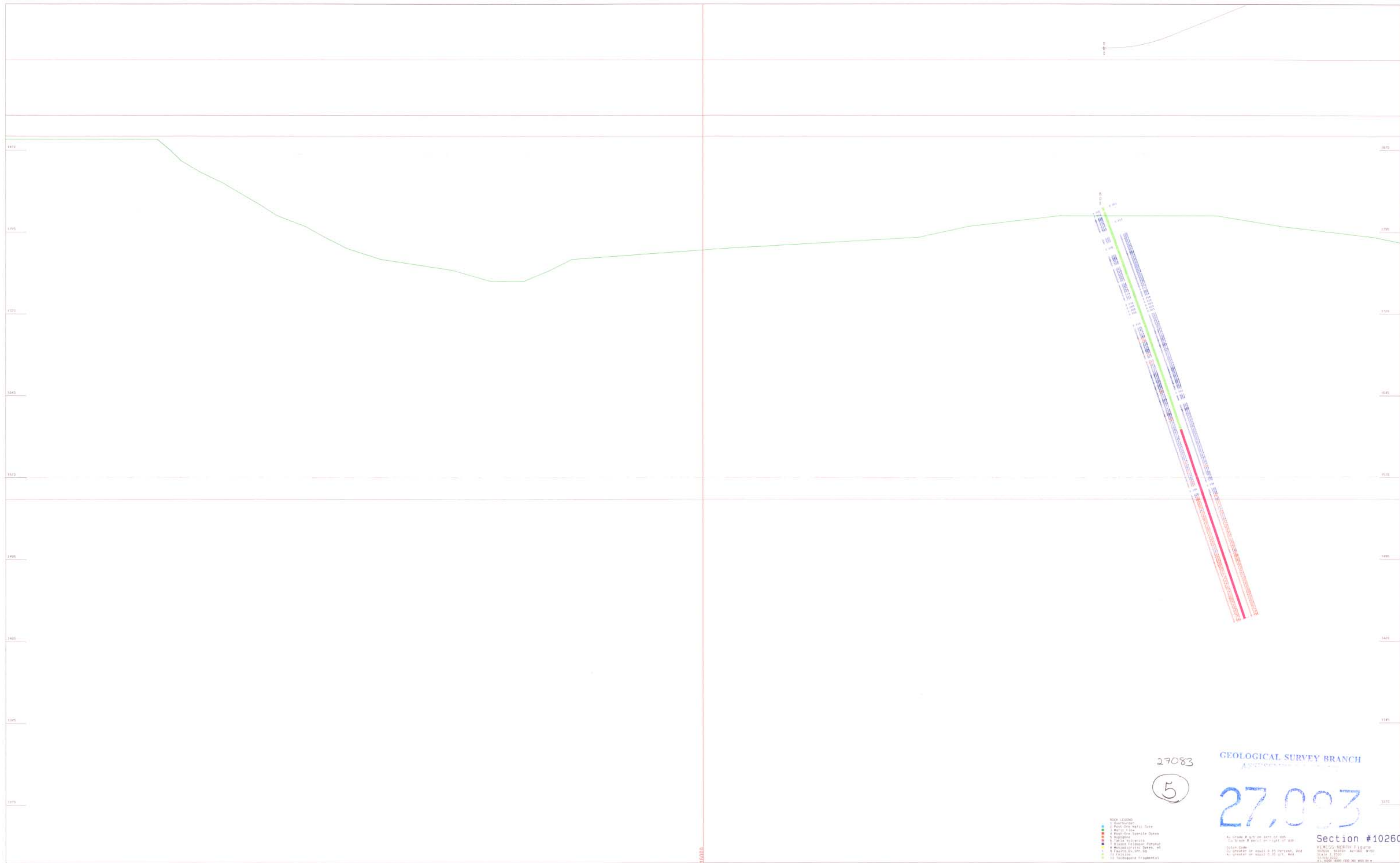
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Scale 1:5000

27083
4

Section #10360



27083

5

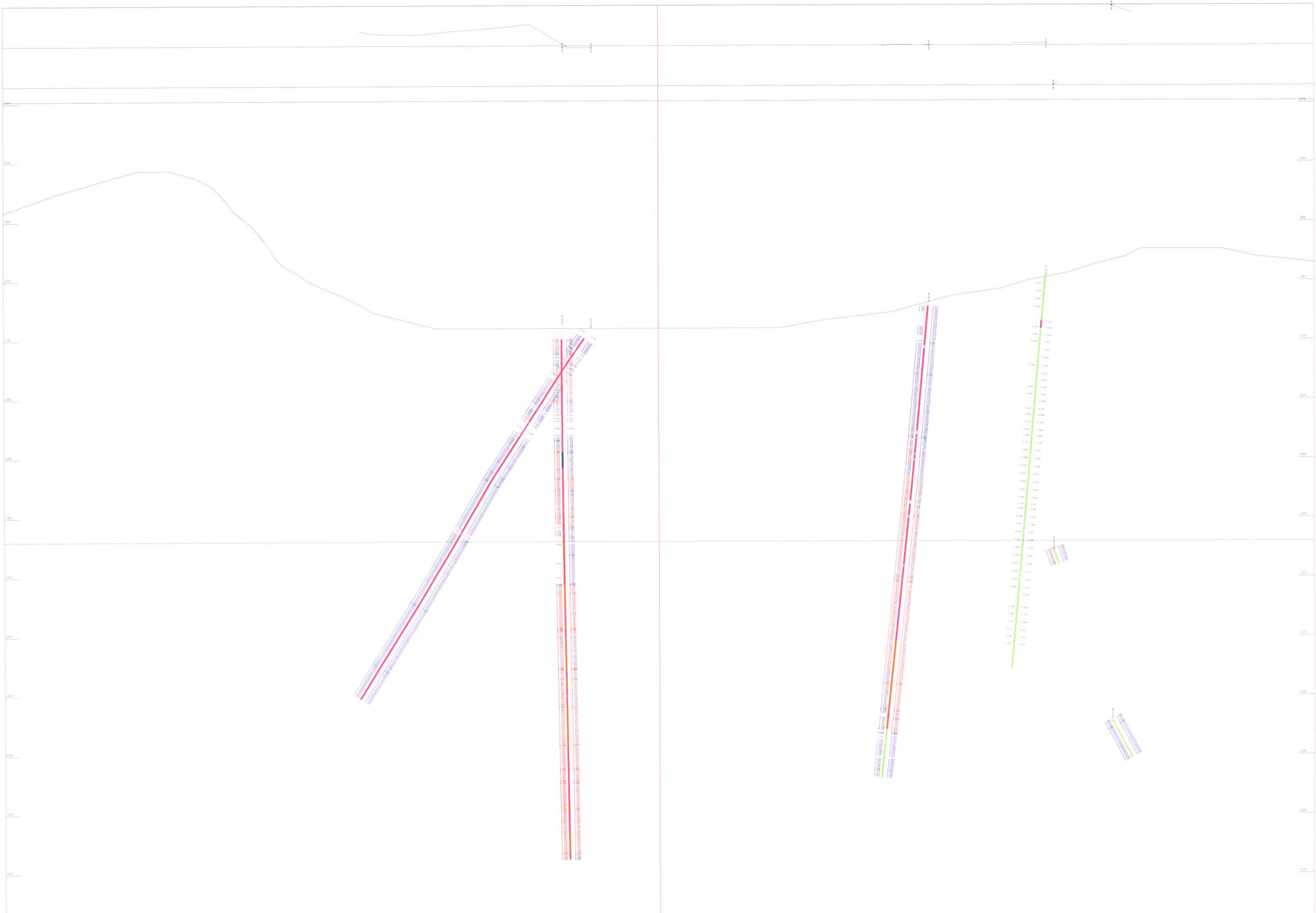
GEOLOGICAL SURVEY BRANCH
 Department of Natural Resources

27,083

- ROCK LEGEND
- 1. Sandstone
 - 2. Sandstone with pebbles
 - 3. Sandstone with pebbles and shells
 - 4. Sandstone with pebbles and shells and fossils
 - 5. Sandstone with pebbles and shells and fossils and fossils
 - 6. Sandstone with pebbles and shells and fossils and fossils and fossils
 - 7. Sandstone with pebbles and shells and fossils and fossils and fossils and fossils
 - 8. Sandstone with pebbles and shells and fossils and fossils and fossils and fossils and fossils
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 - 10. Sandstone with pebbles and shells and fossils and fossils and fossils and fossils and fossils and fossils and fossils
 - 11. Sandstone with pebbles and shells and fossils and fossils and fossils and fossils and fossils and fossils and fossils and fossils
 - 12. Sandstone with pebbles and shells and fossils and fossils and fossils and fossils and fossils and fossils and fossils and fossils and fossils

Section Code
 To greater or equal 25 percent, red
 To greater or equal 25 ft. red

Section #10260
 1:10000 NORTH 1 figure
 10000' SECTION 42x42 4300
 Scale 1:10000
 11/10/2000
 27,083, 27083, 27083, 27083



GEOLOGICAL SURVEY BRANCH
 Alberta

27,083

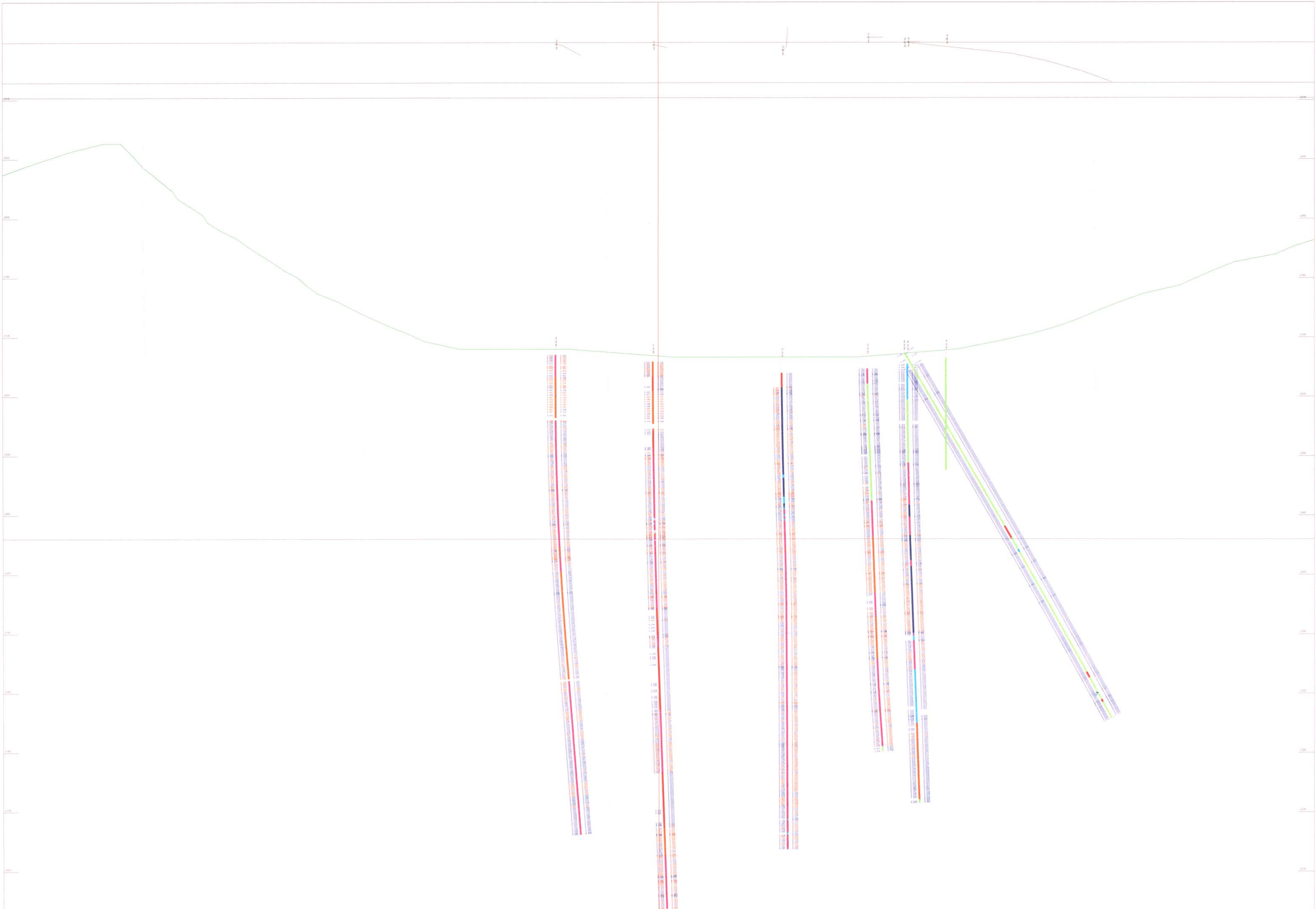
- 1. QUARTZITE
- 2. SLATE
- 3. SANDSTONE
- 4. SHALE
- 5. LIMESTONE
- 6. GYPSUM
- 7. CLAY
- 8. SAND
- 9. GRAVEL
- 10. ALLUVIUM
- 11. GLACIAL DEBRIS
- 12. GLACIAL CLAY
- 13. GLACIAL SAND
- 14. GLACIAL GRAVEL
- 15. GLACIAL SILT
- 16. GLACIAL CLAY WITH SAND
- 17. GLACIAL CLAY WITH GRAVEL
- 18. GLACIAL SAND WITH CLAY
- 19. GLACIAL SAND WITH GRAVEL
- 20. GLACIAL GRAVEL WITH SAND
- 21. GLACIAL GRAVEL WITH CLAY
- 22. GLACIAL CLAY WITH SAND AND GRAVEL
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- 26. GLACIAL GRAVEL AND CLAY
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- 50. GLACIAL CLAY AND SAND AND CLAY AND SAND AND CLAY AND SAND AND CLAY AND SAND AND CLAY AND SAND AND CLAY AND SAND AND CLAY AND GRAVEL

Scale: 1" = 100 feet
 Vertical Scale: 1" = 20 feet

27083

6

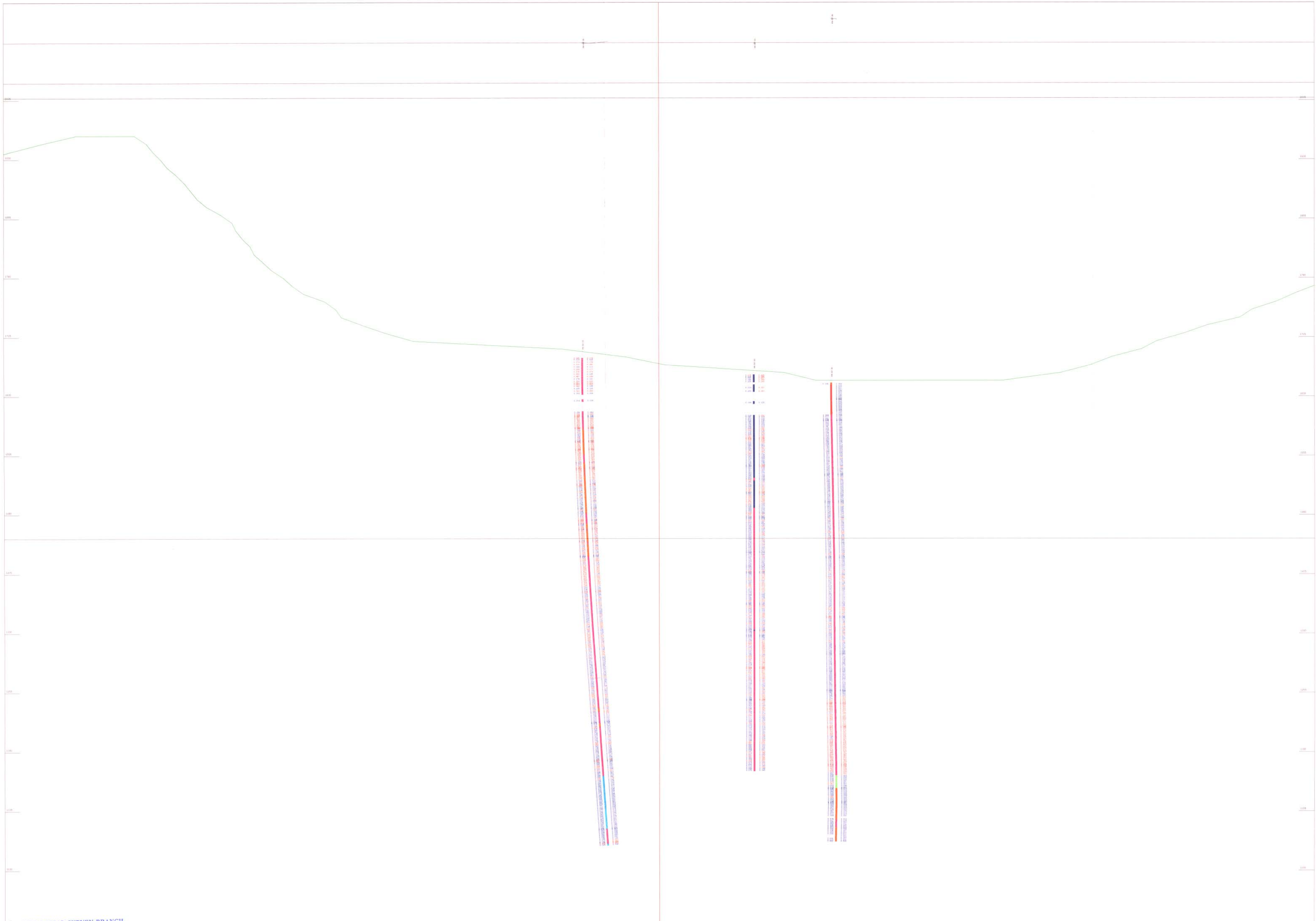
Section #10160



GEOLOGICAL SURVEY BRANCH

27,083

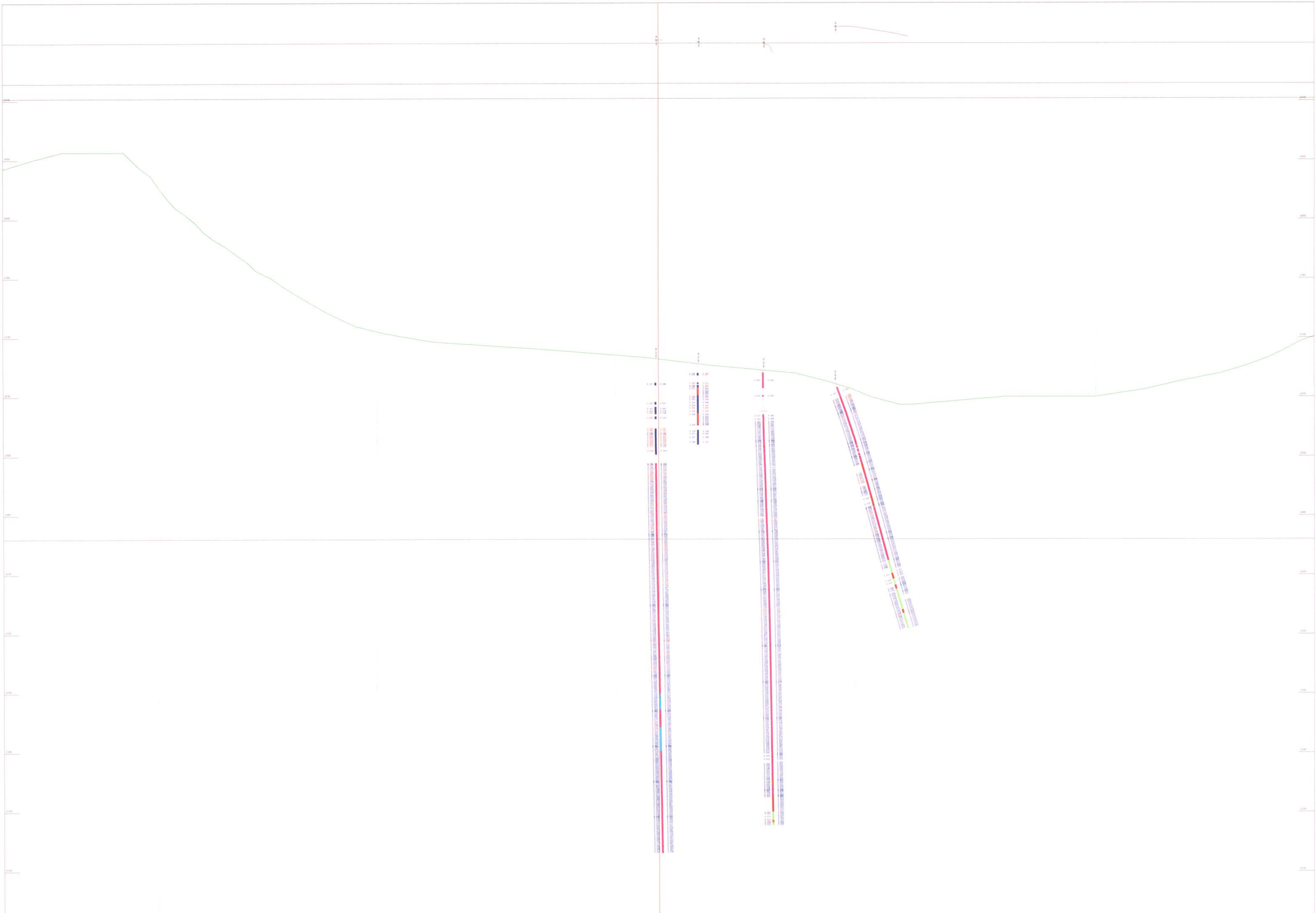
27083
 7
 Section #10060



GEOLOGICAL SURVEY BRANCH
ASSOCIATED

27,083

27083
8
Section #9960



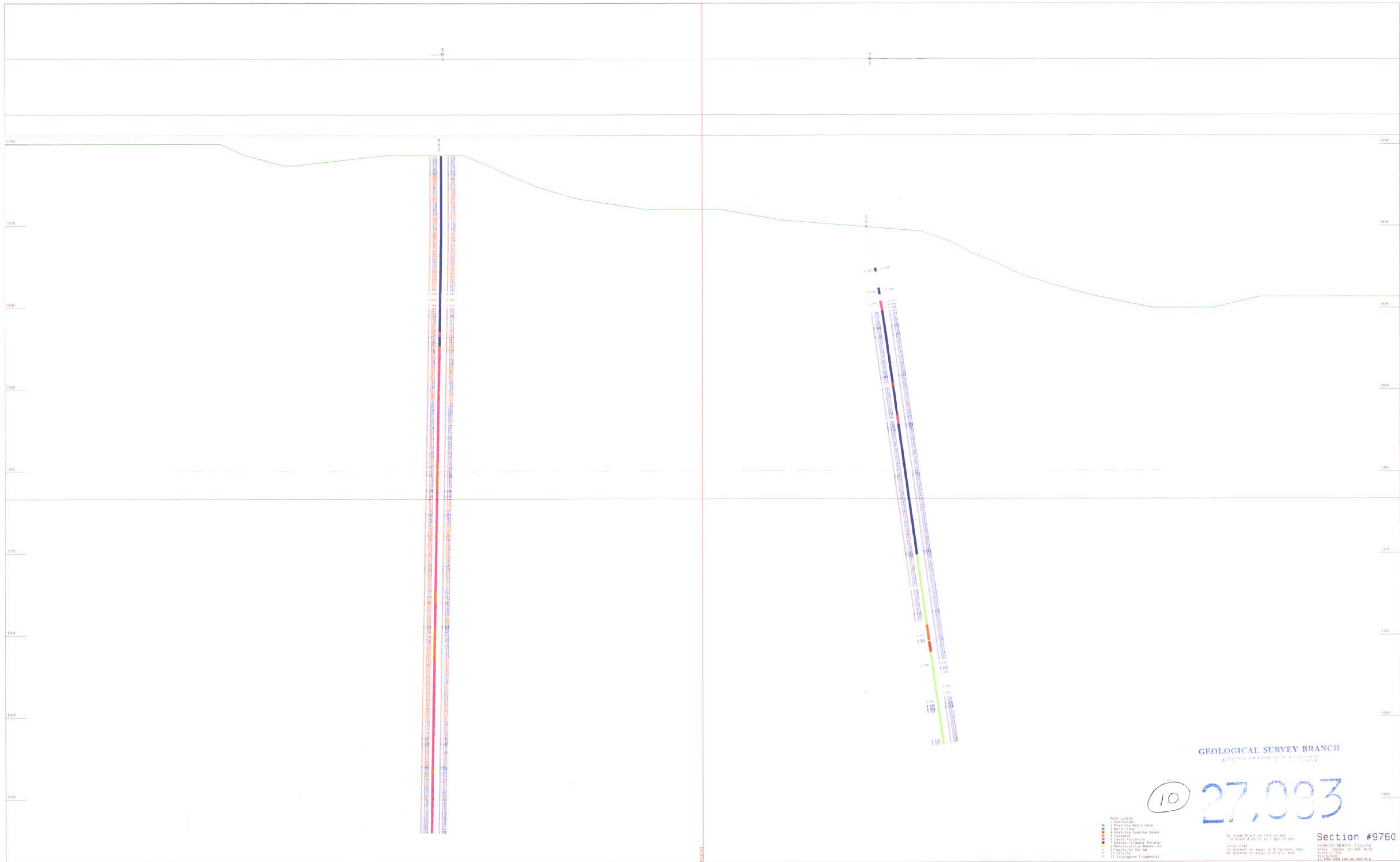
GEOLOGICAL SURVEY BRANCH

27,083

- 1. Sandstone
- 2. Sandstone with pebbles
- 3. Sandstone with pebbles and shells
- 4. Sandstone with pebbles and shells and fossils
- 5. Sandstone with pebbles and shells and fossils and fossils
- 6. Sandstone with pebbles and shells and fossils and fossils and fossils
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- 9. Sandstone with pebbles and shells and fossils and fossils and fossils and fossils and fossils and fossils
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27083

Section #9860



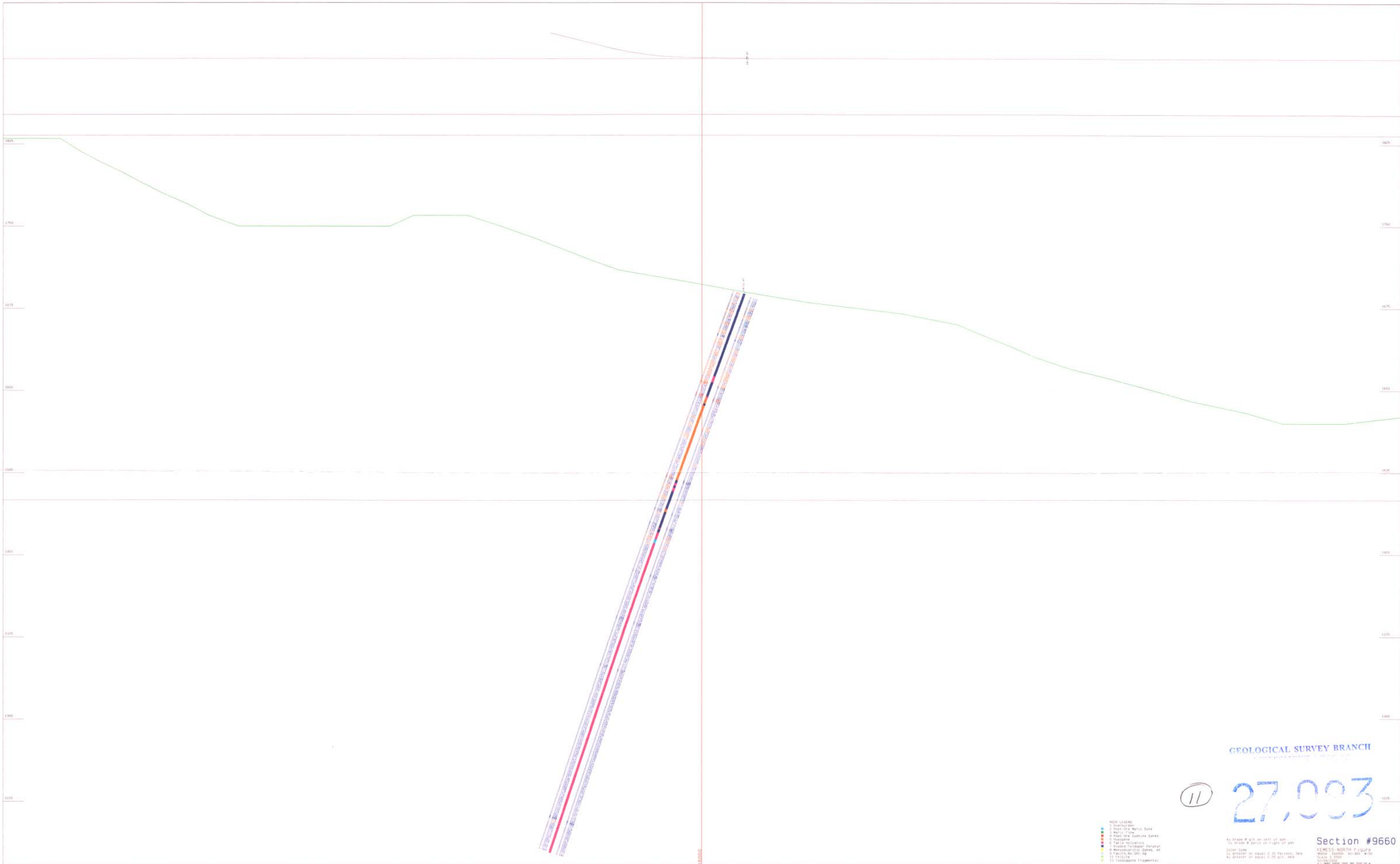
GEOLOGICAL SURVEY BRANCH
 AMHERST COUNTY

10 27,093

- ROCK LEGEND
- 1 Quaternary
 - 2 Sandstone, Marl or Gyps
 - 3 Marl or Clay
 - 4 Sandstone, Siltstone, Shale
 - 5 Gypsum
 - 6 Sandstone, Siltstone, Shale
 - 7 Sandstone, Siltstone, Shale, Gyps
 - 8 Sandstone, Siltstone, Shale, Gyps, Chert
 - 9 Sandstone, Siltstone, Shale, Gyps, Chert, Congl.
 - 10 Sandstone, Siltstone, Shale, Gyps, Chert, Congl., Fragments

No. Grains # sq. in. 1/16" dia.
 10 Grains # sq. in. 1/32" dia.
 Color Code
 10 Grains or more 0.25 Percent, Red
 5 Grains or more 0.25 sq. in.

Section #9760
 KEMESS NORTH 1/4 Sec. 10, T. 10 N., R. 10 W., S. 10 E., AMHERST COUNTY, VA.
 Scale 1" = 100'



GEOLOGICAL SURVEY BRANCH

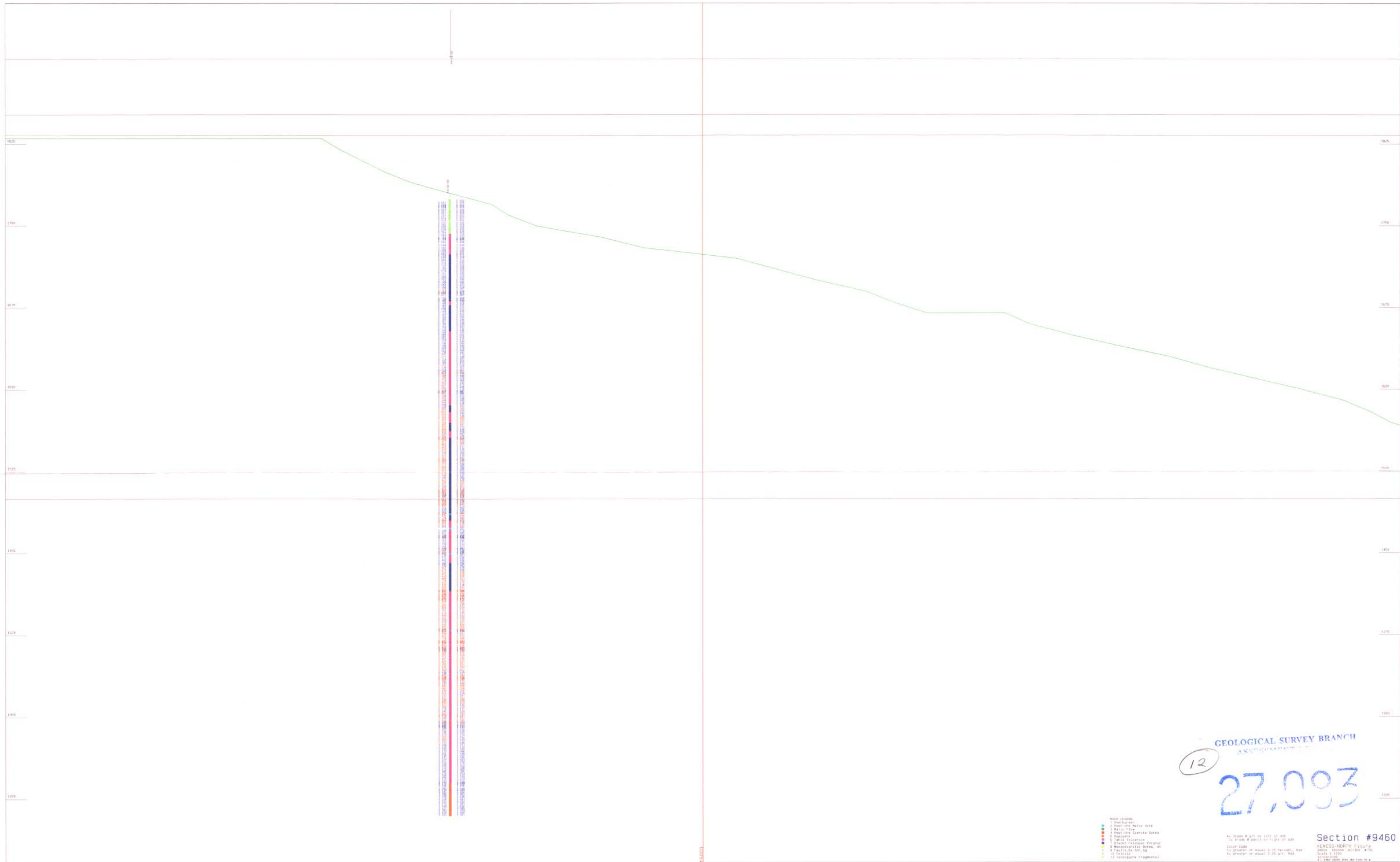
(11)

27,093

Section #9660

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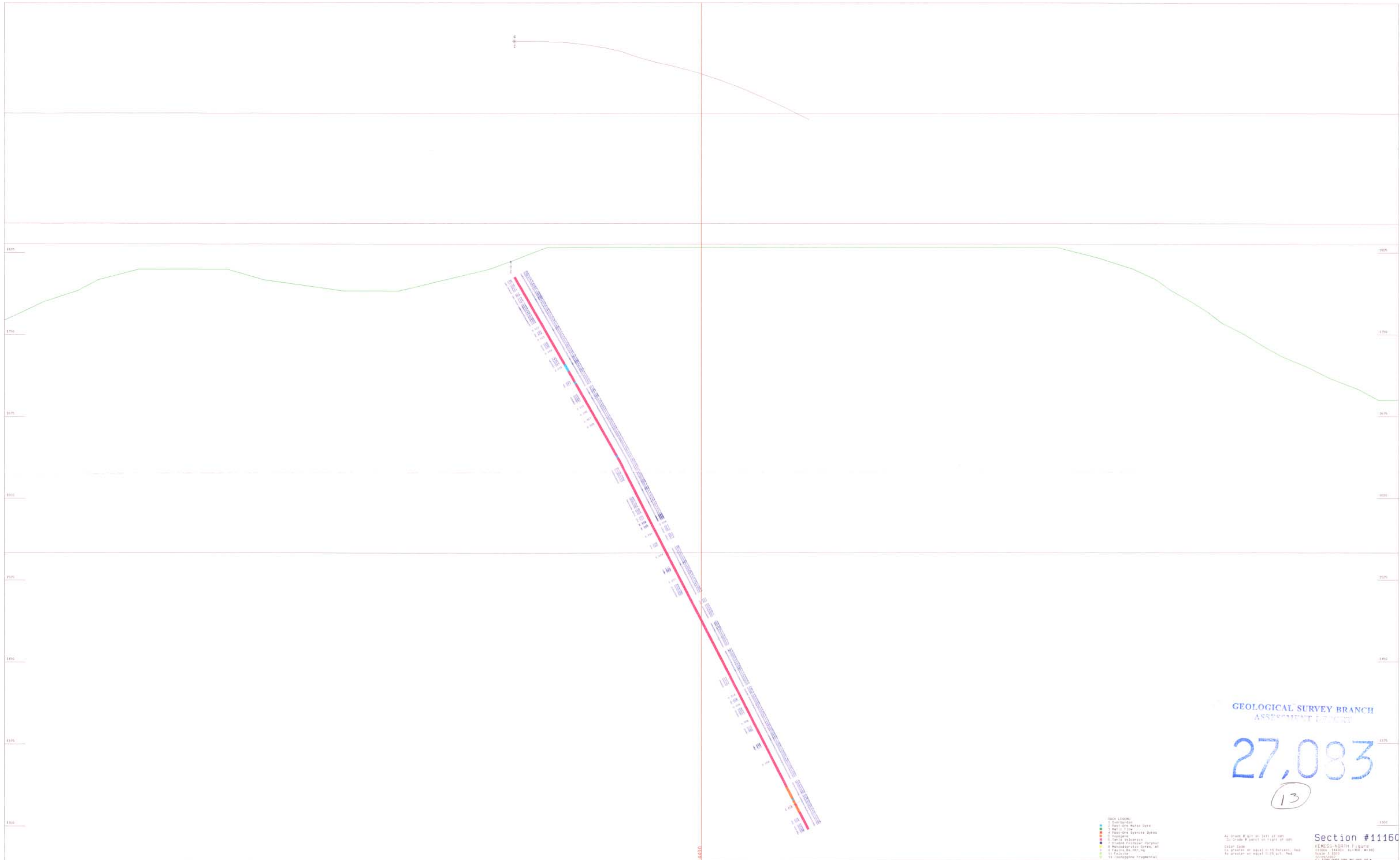
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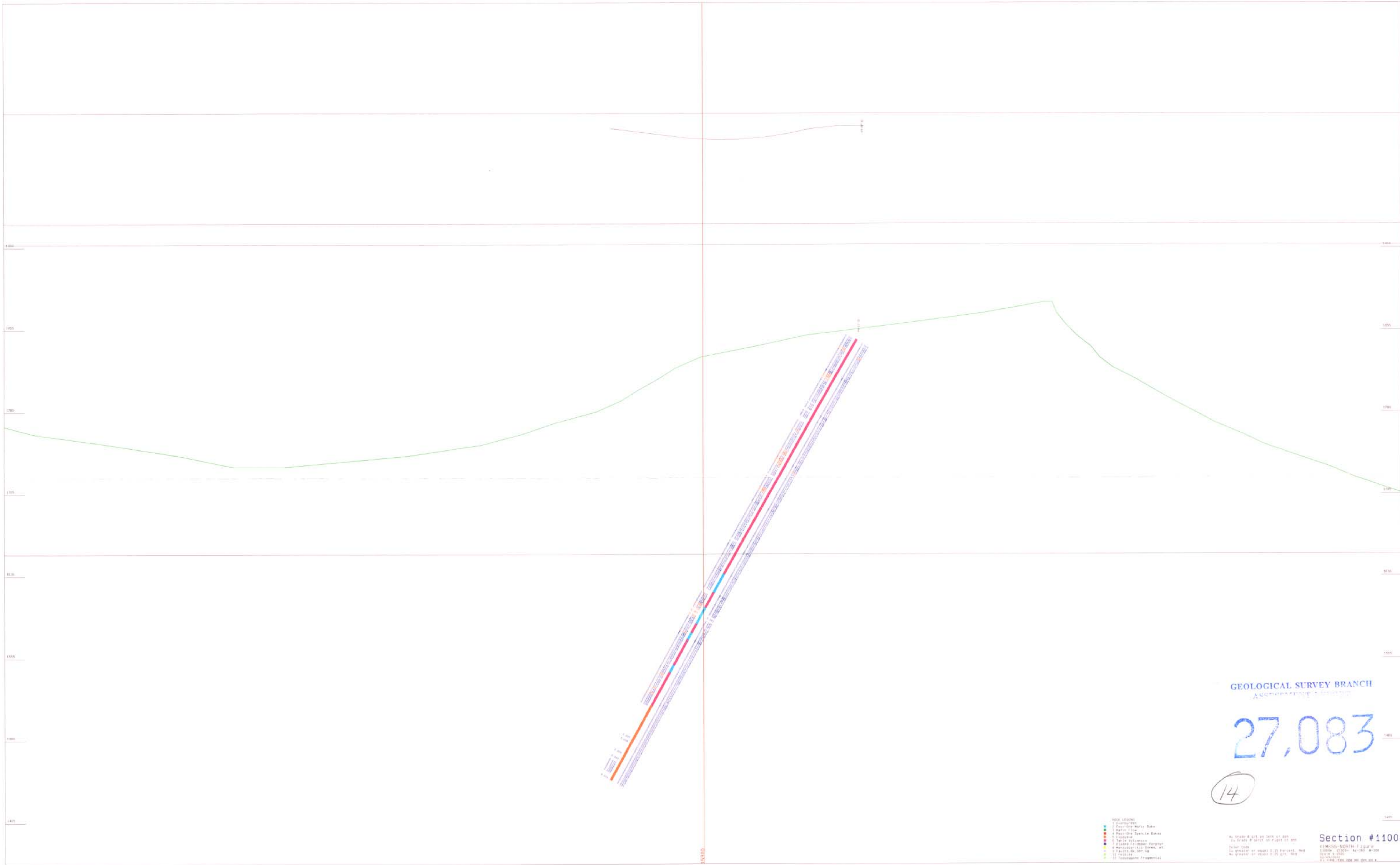


12
 GEOLOGICAL SURVEY BRANCH
 27,093

ROCK LEGEND
 1 Sandstone
 2 Sandstone with thin beds
 3 Sandstone
 4 Sandstone
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Section #9460
 KEMESS-NORTH Figure
 Scale 1:500
 1/2" = 100'





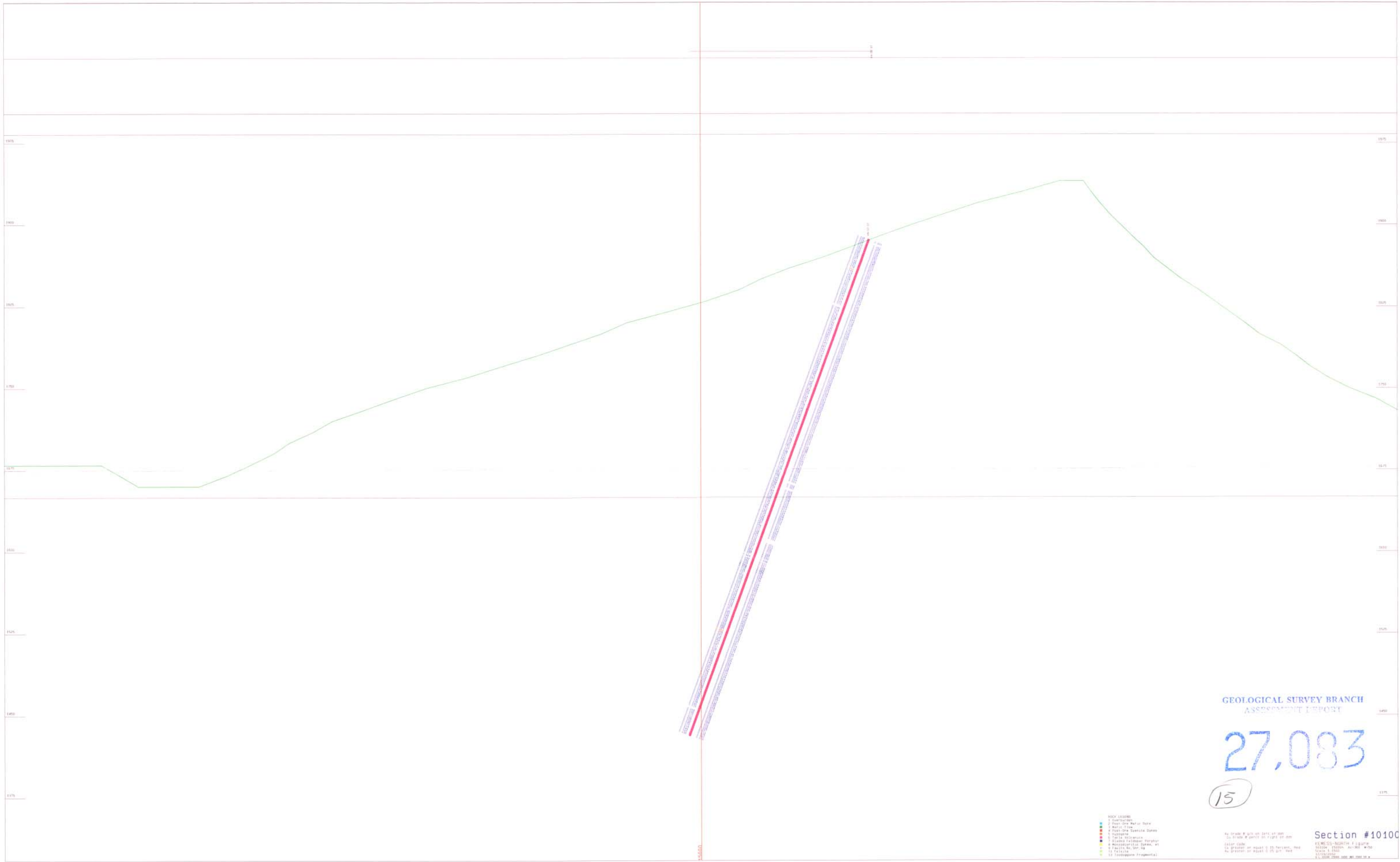
GEOLOGICAL SURVEY BRANCH
 Geological Survey of Canada

27,083

14

- SOIL LEGEND
- 1 Overburden
 - 2 Sandstone
 - 3 Sandstone with shale
 - 4 Sandstone with shale
 - 5 Sandstone
 - 6 Sandstone
 - 7 Sandstone
 - 8 Sandstone
 - 9 Sandstone
 - 10 Sandstone
 - 11 Sandstone
 - 12 Sandstone
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 - 19 Sandstone
 - 20 Sandstone

Section #11000
 KEMISS NORTH 2 1/2
 1:5000 Scale
 1970



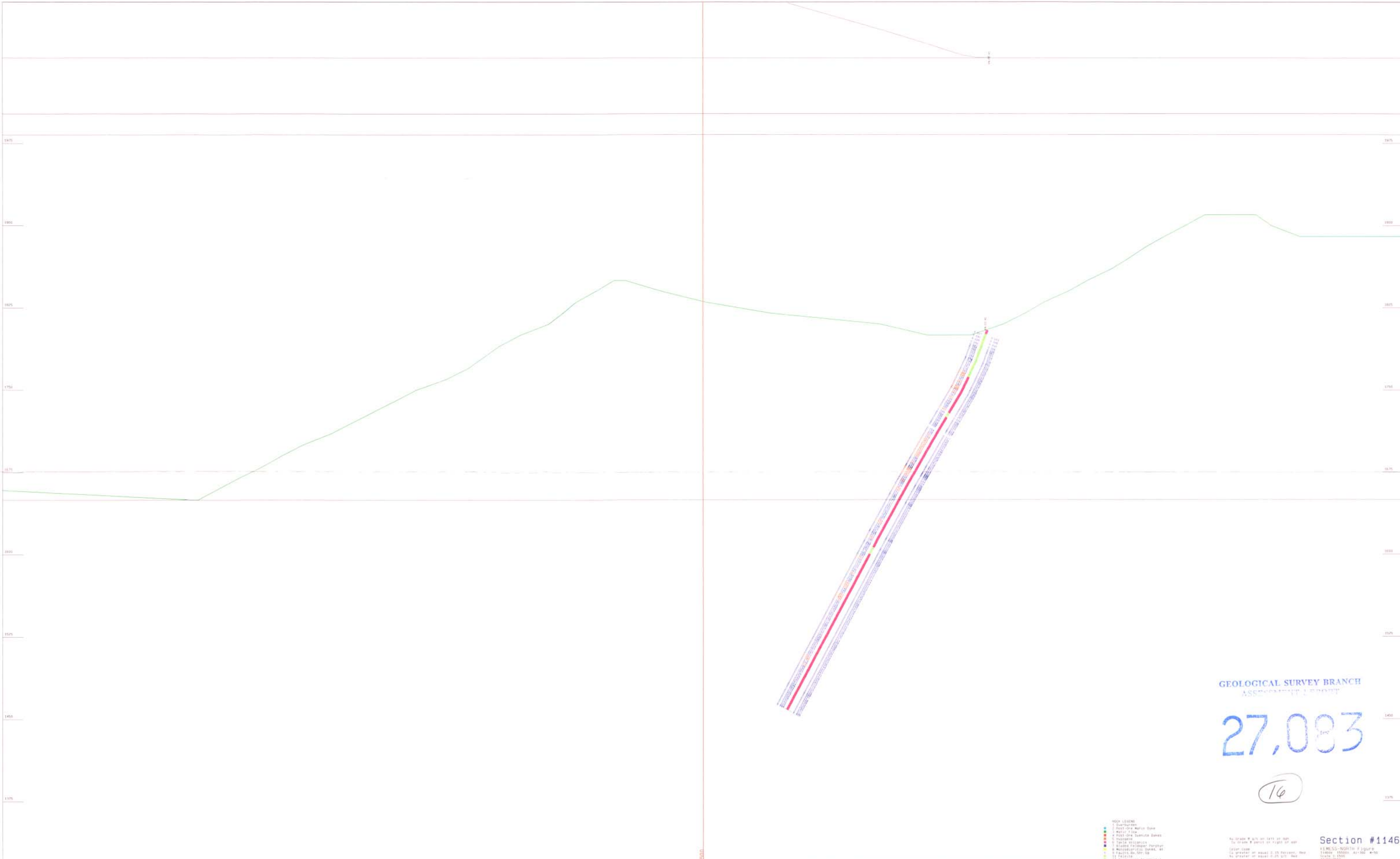
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

27,083

15

- 1 Overburden
- 2 Main Soil
- 3 Main Soil
- 4 Main Soil
- 5 Main Soil
- 6 Main Soil
- 7 Main Soil
- 8 Main Soil
- 9 Main Soil
- 10 Main Soil
- 11 Main Soil
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- 49 Main Soil
- 50 Main Soil

Section #10100



GEOLOGICAL SURVEY BRANCH
ASSOCIATED PROPERTY

27,083

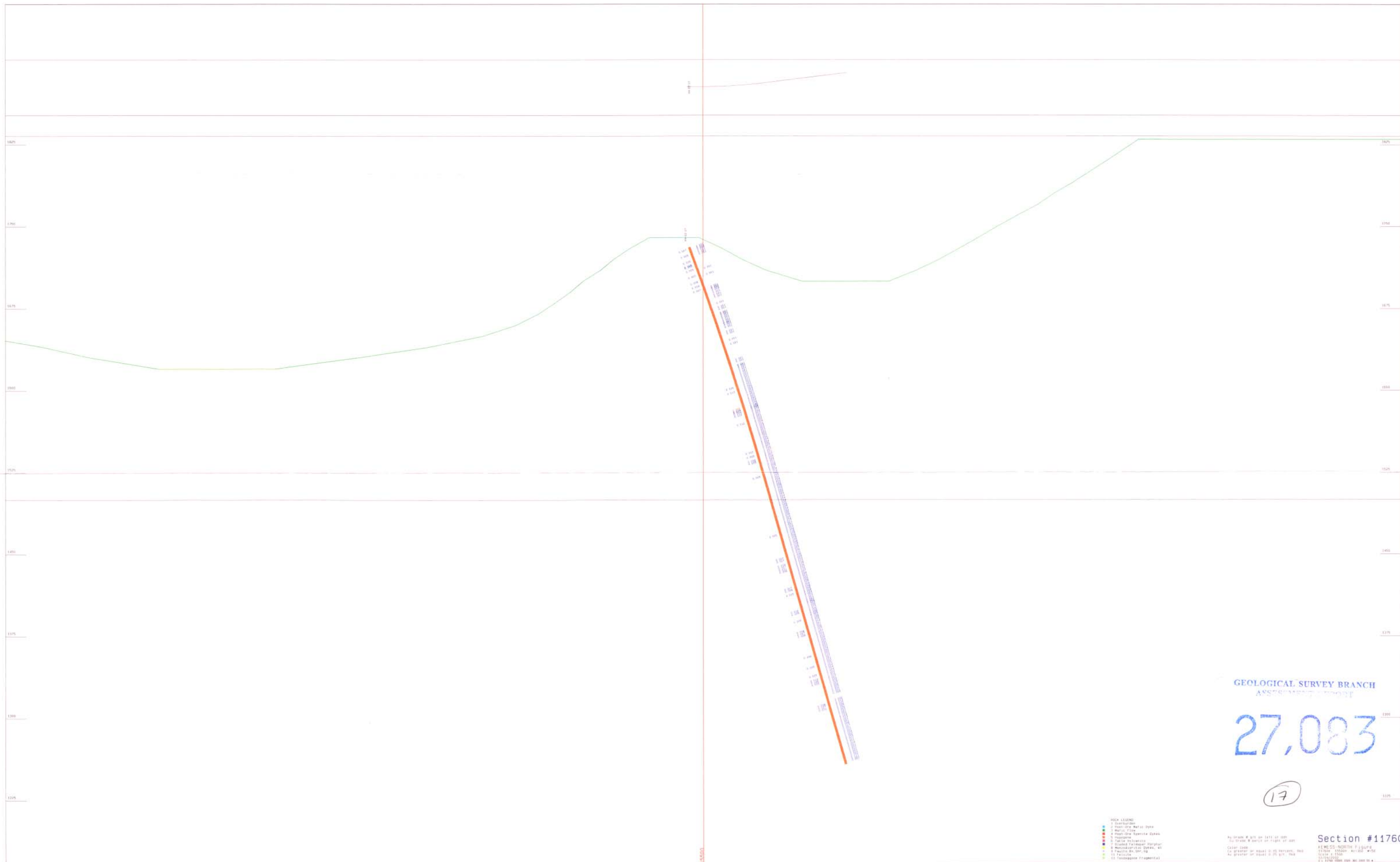
16

- MOSS LEGEND
- 1 Overburden
 - 2 Post-Old Manly Sand
 - 3 Manly Sand
 - 4 Post-Old Manly Sand
 - 5 Post-Old Manly Sand
 - 6 Old Manly Sand
 - 7 Old Manly Sand
 - 8 Old Manly Sand
 - 9 Old Manly Sand
 - 10 Old Manly Sand
 - 11 Sandstone fragmental

All ground is on left of road.
To cross it pass on right of road.
Color shown
is greater or equal 0.25 Percent. Max
is greater or equal 0.25 Percent.

Section #11460

18.0000-18.0000 N 100.0000 W
1:50,000 Scale
12/12/2002
1:50,000 Scale



GEOLOGICAL SURVEY BRANCH
ASSOCIATED GROUP

27,083

17

INDEX LEGEND
 1 Overburden
 2 Hardpan
 3 Mottled Sandstone
 4 Sandstone
 5 Shale
 6 Siltstone
 7 Shale
 8 Shale
 9 Shale
 10 Shale
 11 Shale
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 13 Shale
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 49 Shale
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Scale 1:1000
 Section #11760

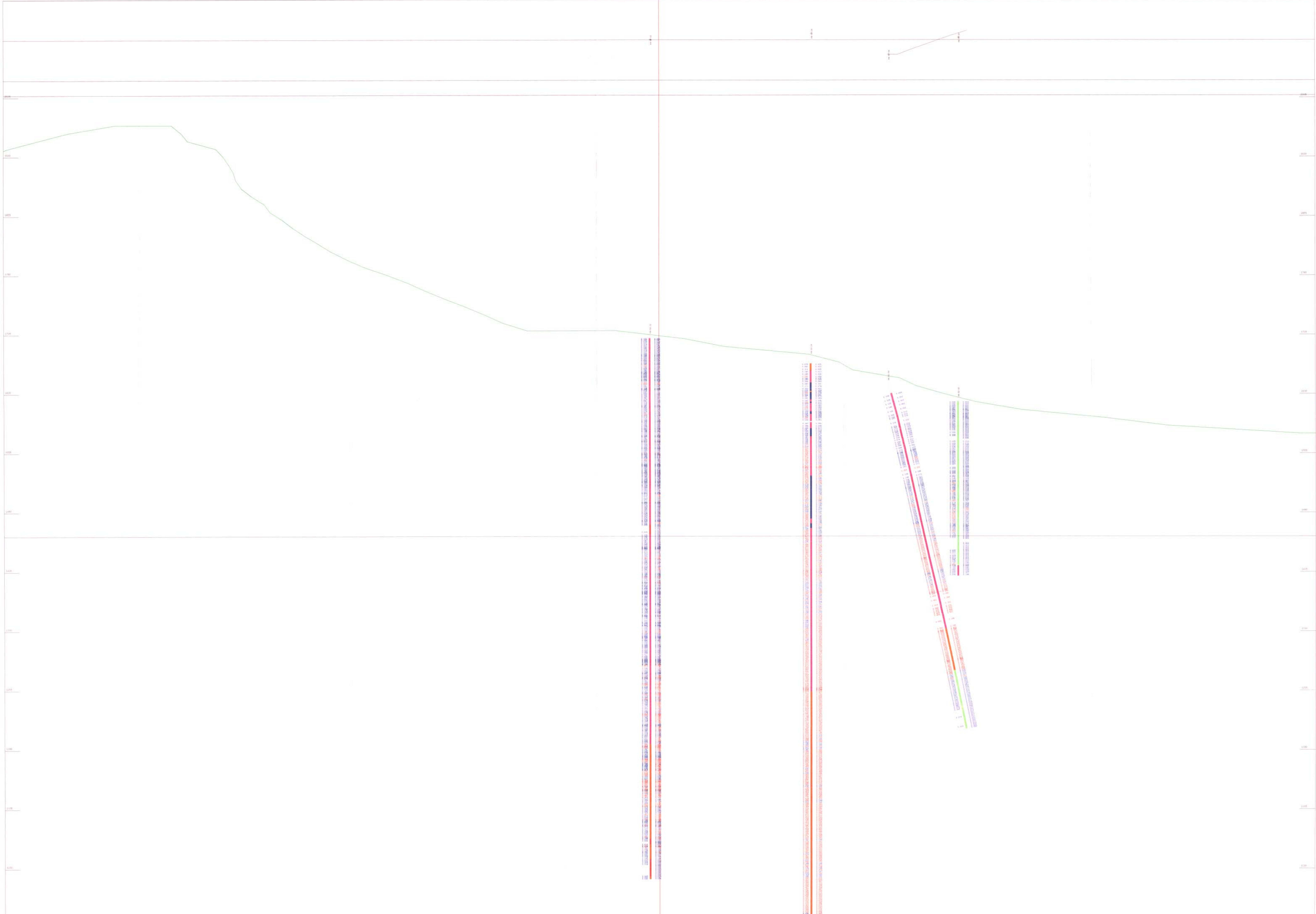


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 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

27083

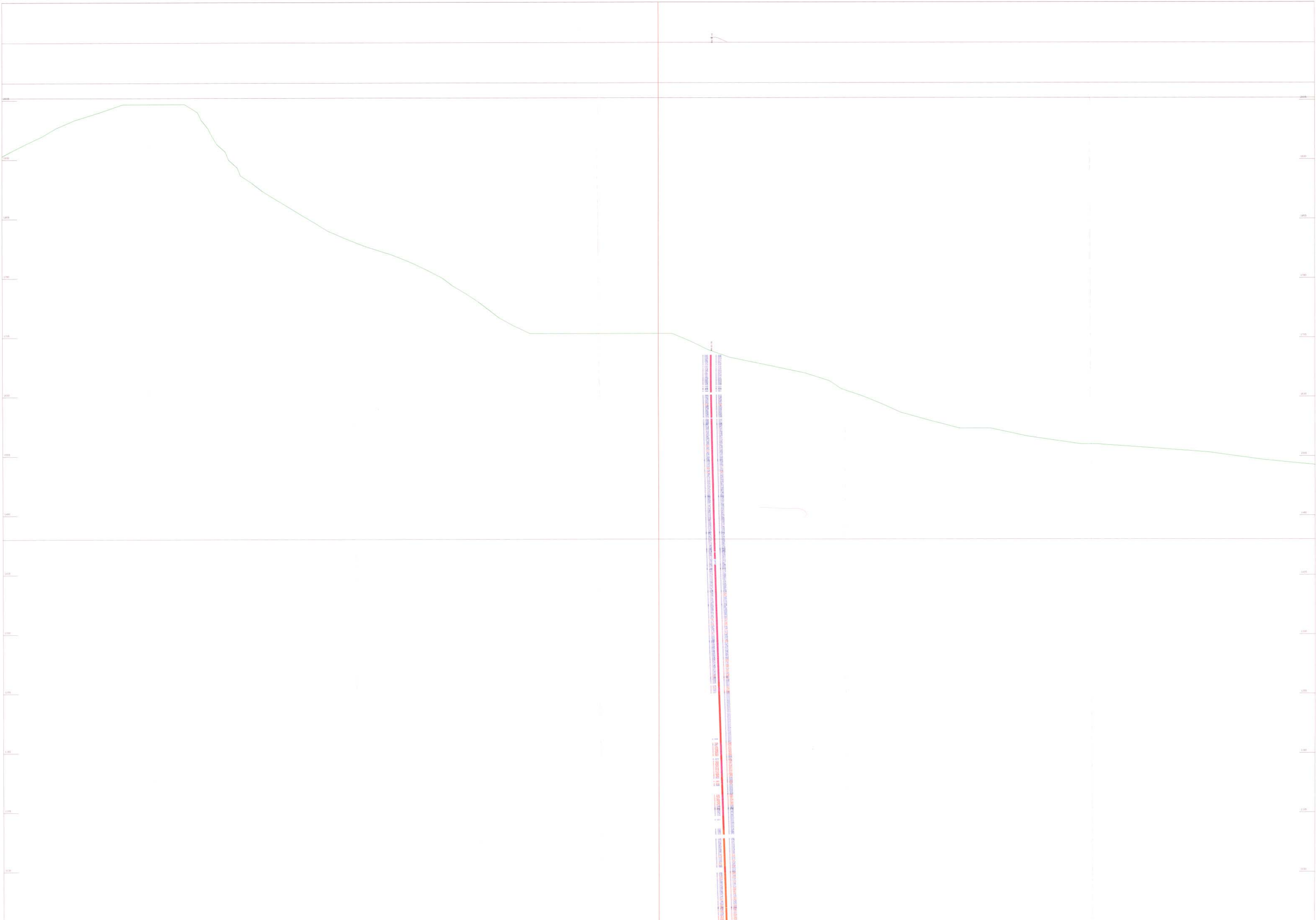
18

Section #10460



GEOLOGICAL SURVEY BRANCH
ASSESSMENT
27,083

27083
19
Section #10560



GEOLOGICAL SURVEY BRANCH
 27,083

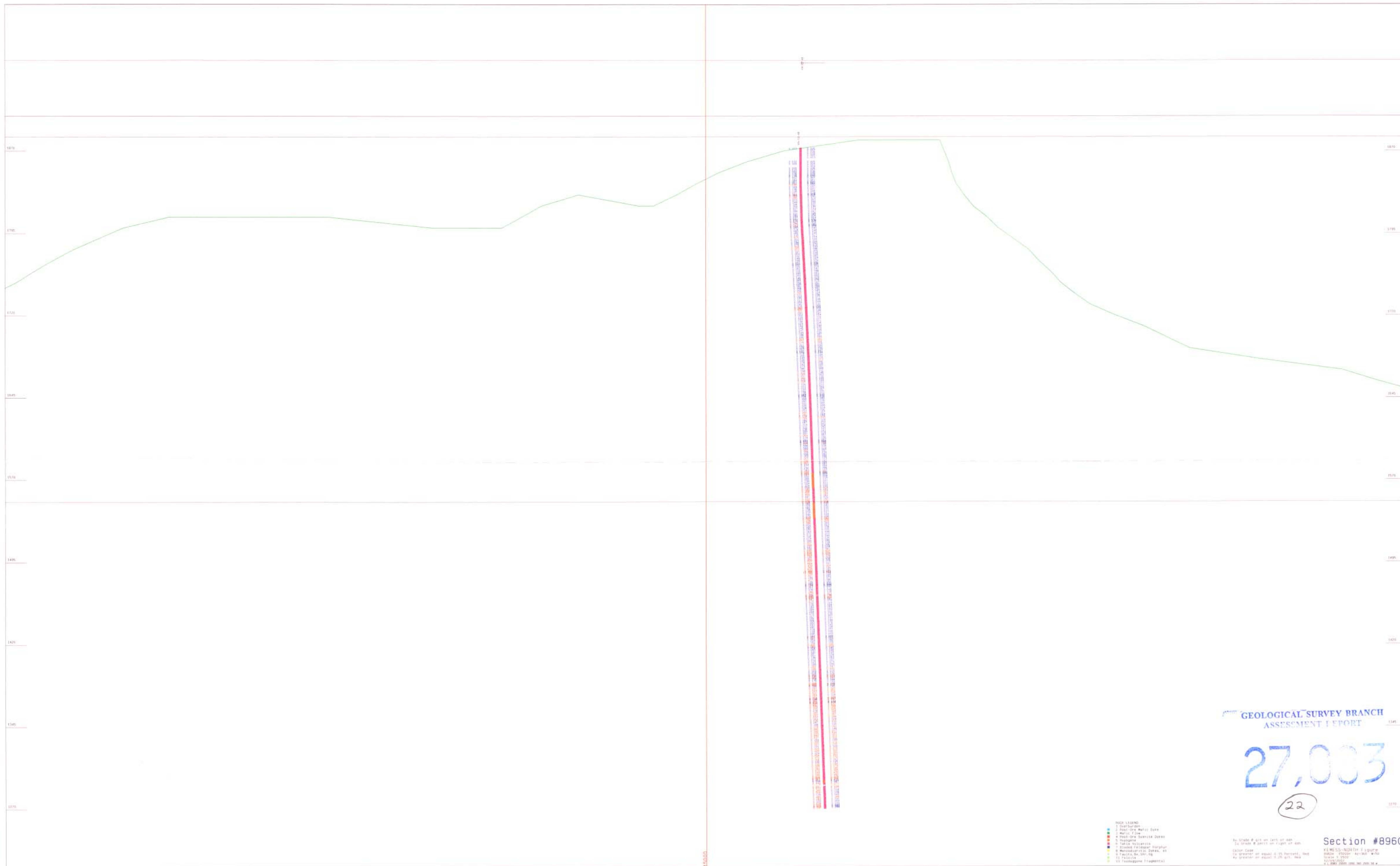
Geological column labels (vertical text):
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 Section #10660
 GEOLOGICAL SURVEY BRANCH
 27083



GEOLOGICAL SURVEY BRANCH
 ASSESSMENT FRONT
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 21
 Section #9060



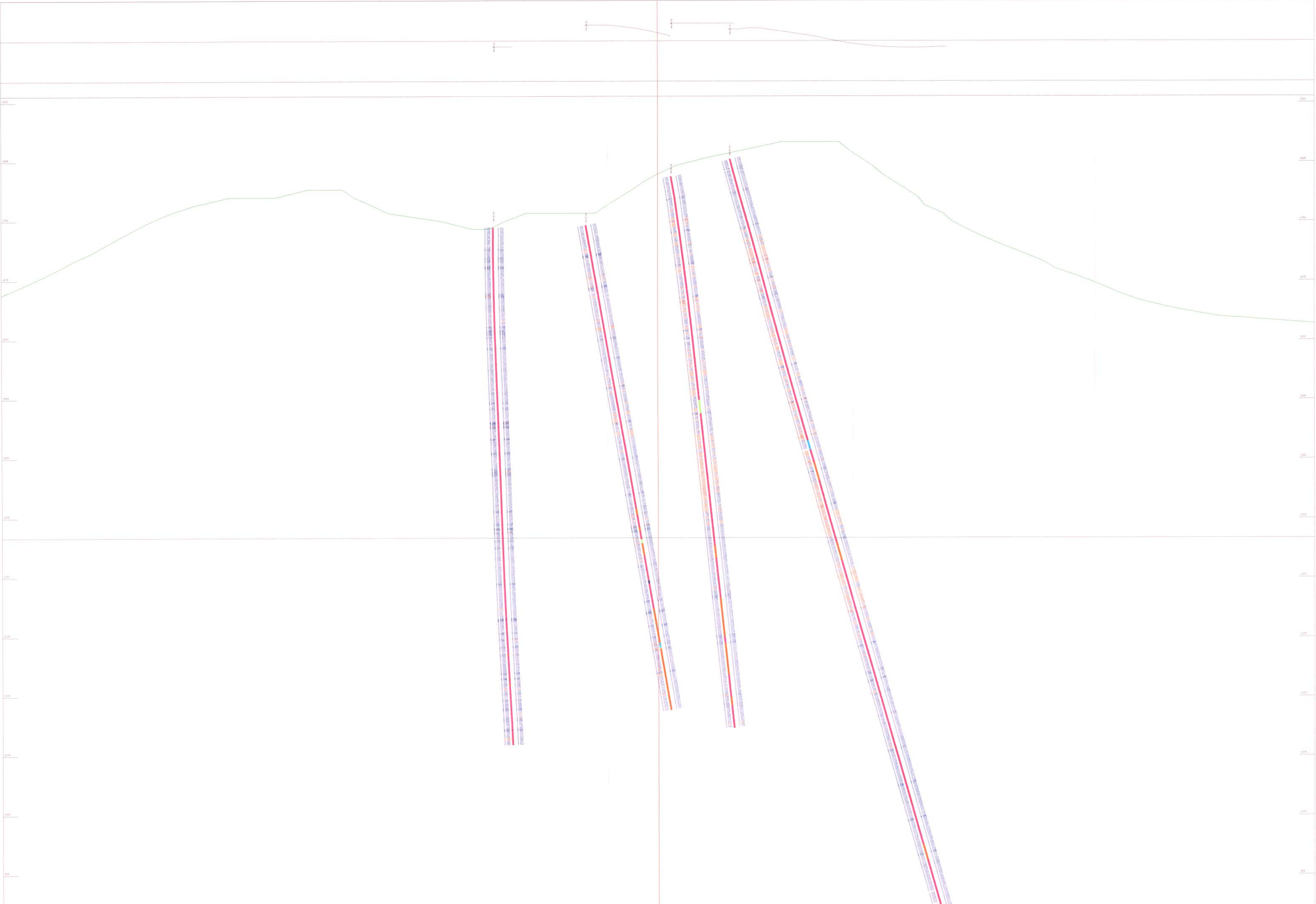
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

27,033

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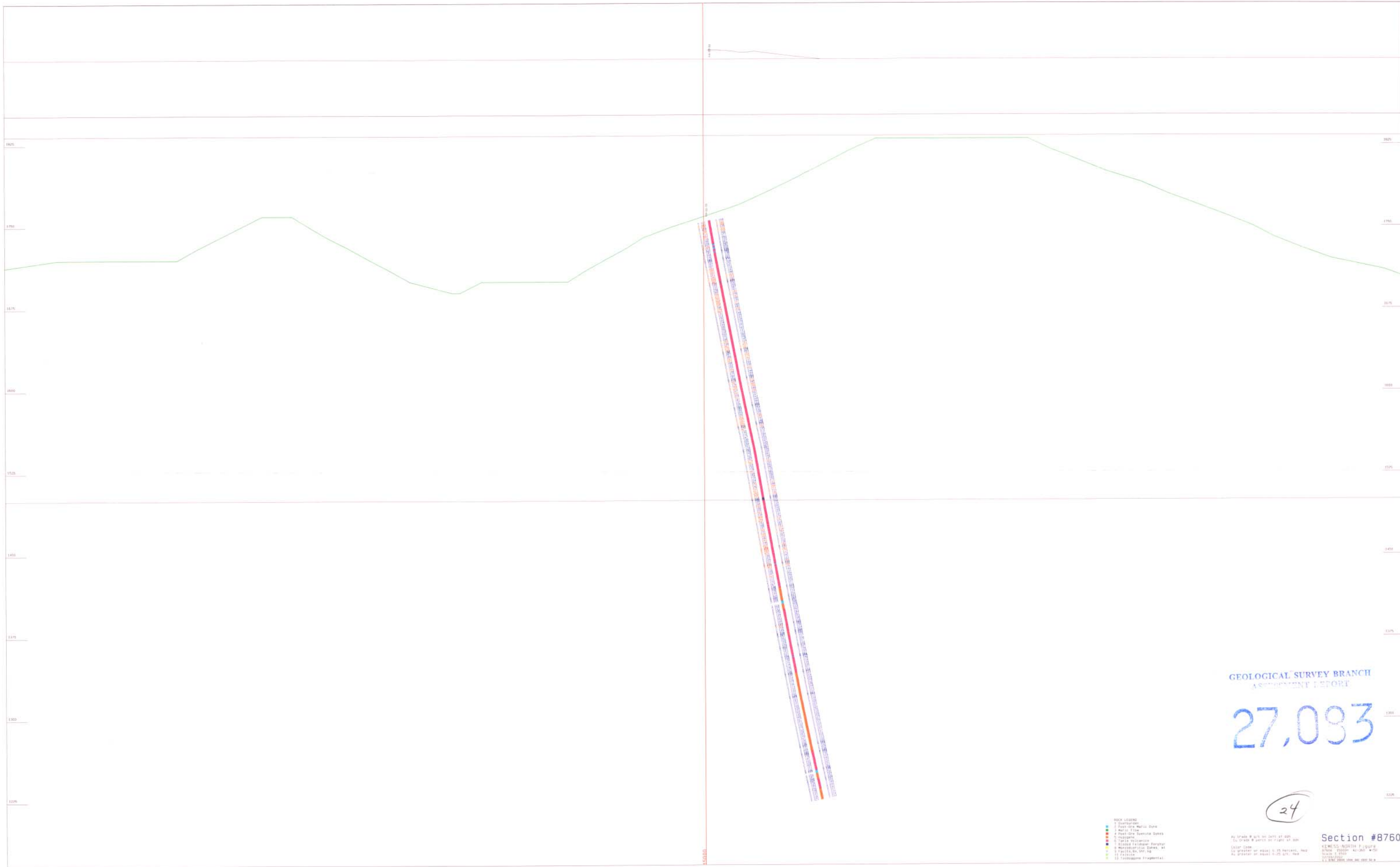
- SOIL LEGEND**
- 1 Dark Brown
 - 2 Light Brown
 - 3 Reddish Brown
 - 4 Yellowish Brown
 - 5 Yellow
 - 6 Orange
 - 7 Red
 - 8 Reddish
 - 9 Reddish Brown
 - 10 Reddish Brown
 - 11 Reddish Brown
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 - 49 Reddish Brown
 - 50 Reddish Brown

Section #8960



GEOLOGICAL SURVEY BRANCH
 27,083

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 Section #8860



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

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Section #8760

ROCK LEGEND
 1 Quaternary
 2 Post-ore mafic dyke
 3 Mafic flow
 4 Post-ore quartz dykes
 5 Metasandstone
 6 Tuffite
 7 Metasedimentary
 8 Metasedimentary dykes
 9 Metasedimentary
 10 Metasedimentary
 11 Metasedimentary
 12 Metasedimentary

At grade 8 feet to left of 0.00
 To grade 8 feet to right of 0.00
 Slope 0.00
 At greater or equal 0.05 percent, see
 At greater or equal 0.05 percent, see

KEMISS-NORTH Figure
 Date: 1998
 Scale: 1:5000
 11/20/2008
 11/20/2008

