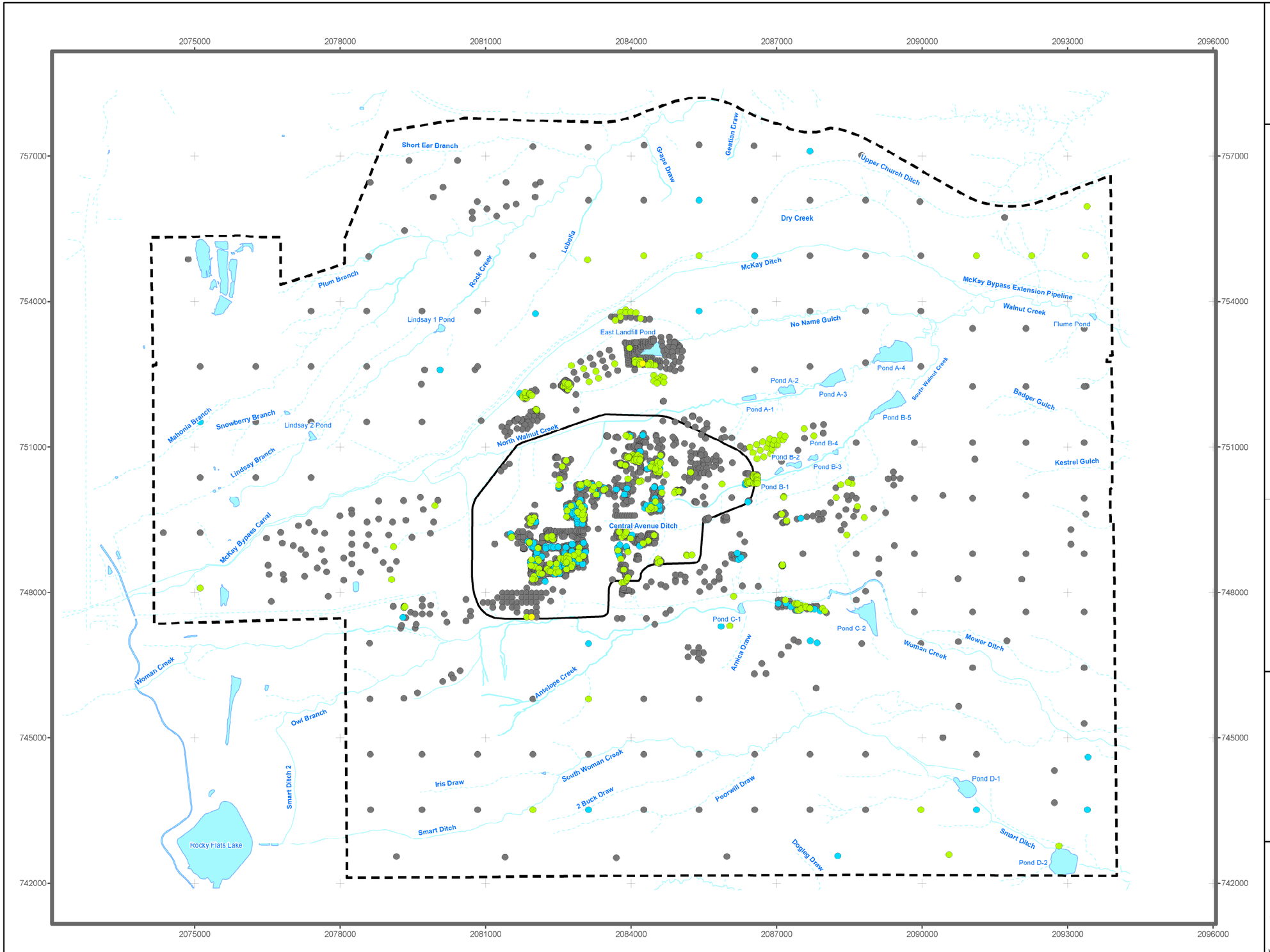
Figure A2.1

Antimony Concentrations in Surface Soil



KEY

- >= WRW PRG
- > Background M2SD and < WRW PRG
- Detected and <= Background M2SD
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 0.436 mg/kg
WRW PRG = 44.4 mg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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Scale 1:24,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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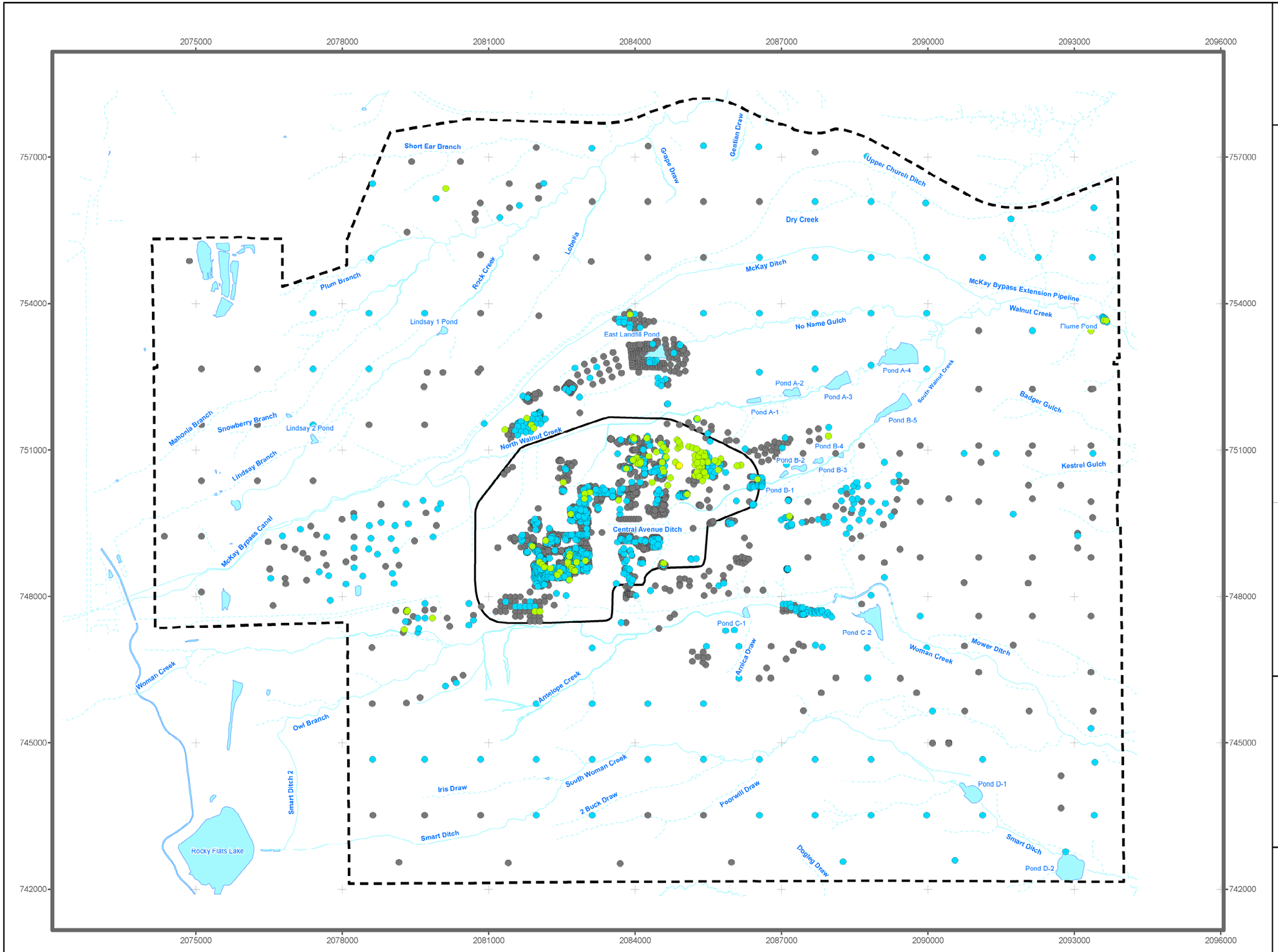
Figure A2.2

Cadmium Concentrations in Surface Soil



KEY

- >= WRW PRG
- > Background M2SD and < WRW PRG
- Detected and <= Background M2SD
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 1.62 mg/kg
WRW PRG = 91.4 mg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
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Datum: NAD 27

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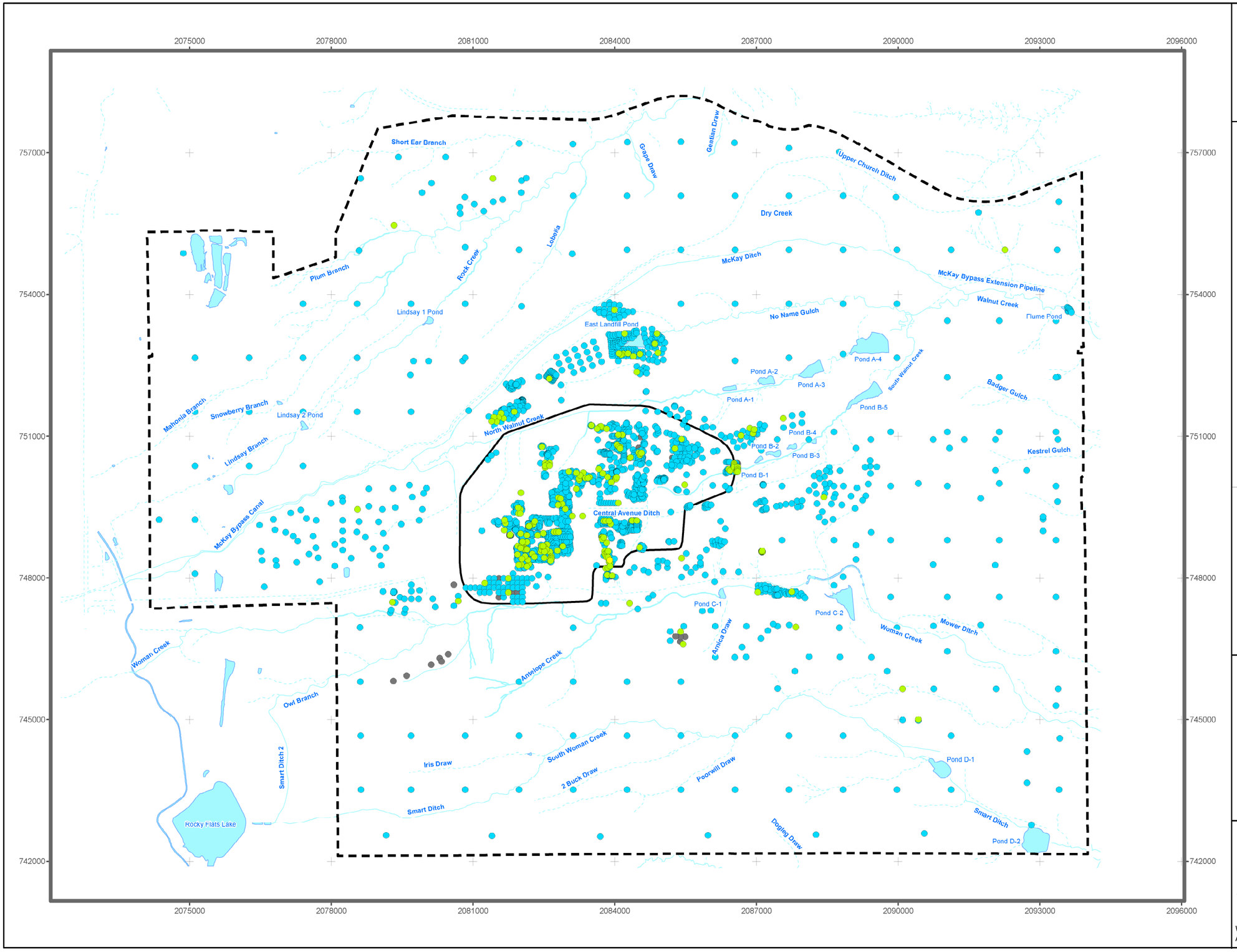

Figure A2.3

Cobalt Concentrations in Surface Soil

KEY

- >= WRW PRG
- > Background M2SD and < WRW PRG
- Detected and <= Background M2SD
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 10.9 mg/kg
WRW PRG = 122 mg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
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Datum: NAD 27

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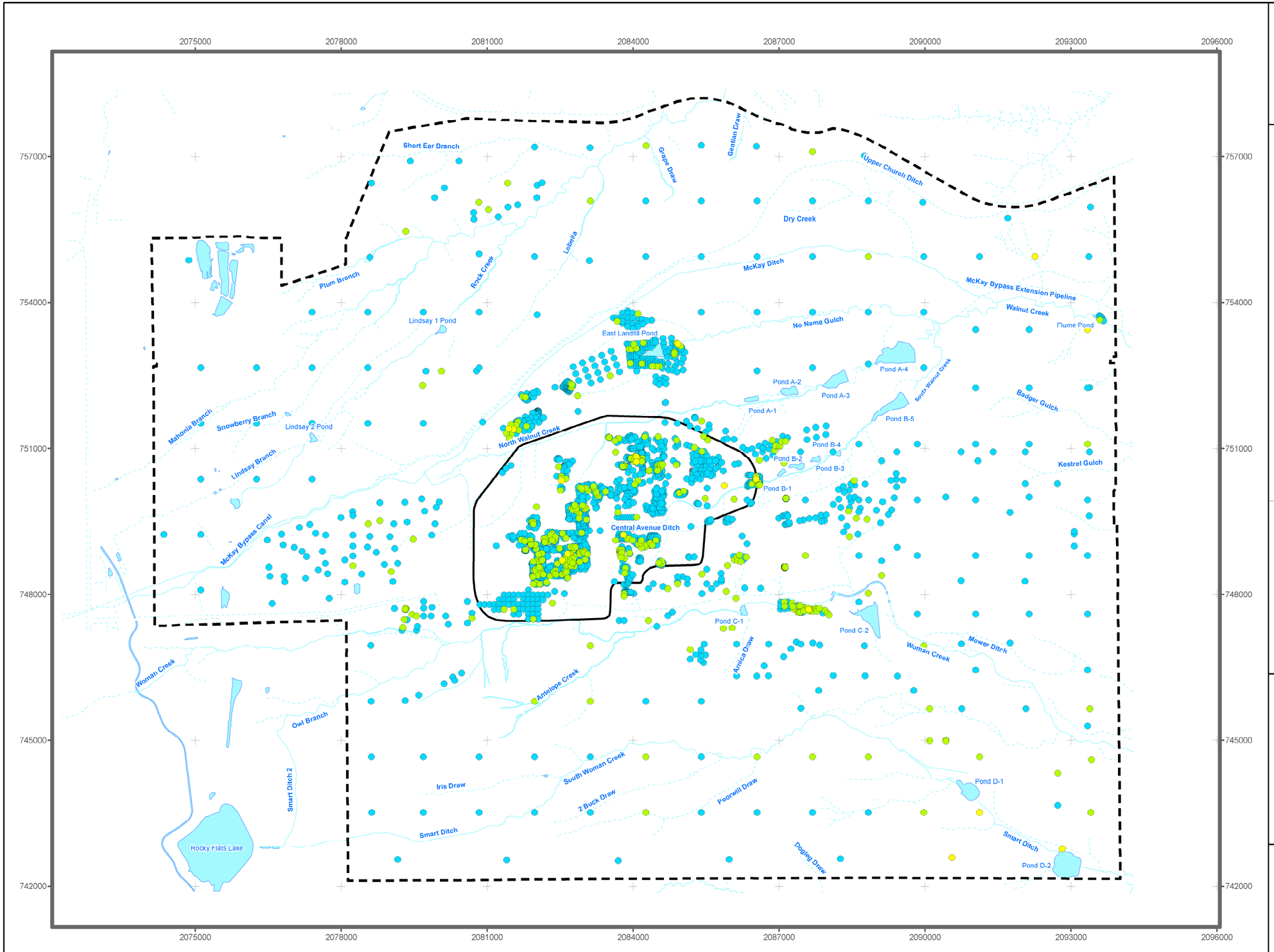
Figure A2.4

Iron Concentrations in Surface Soil



KEY

- >= WRW PRG
- > Background M2SD and < WRW PRG
- Detected and <= Background M2SD
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 17,601 mg/kg
WRW PRG = 33,326 mg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
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Datum: NAD 27

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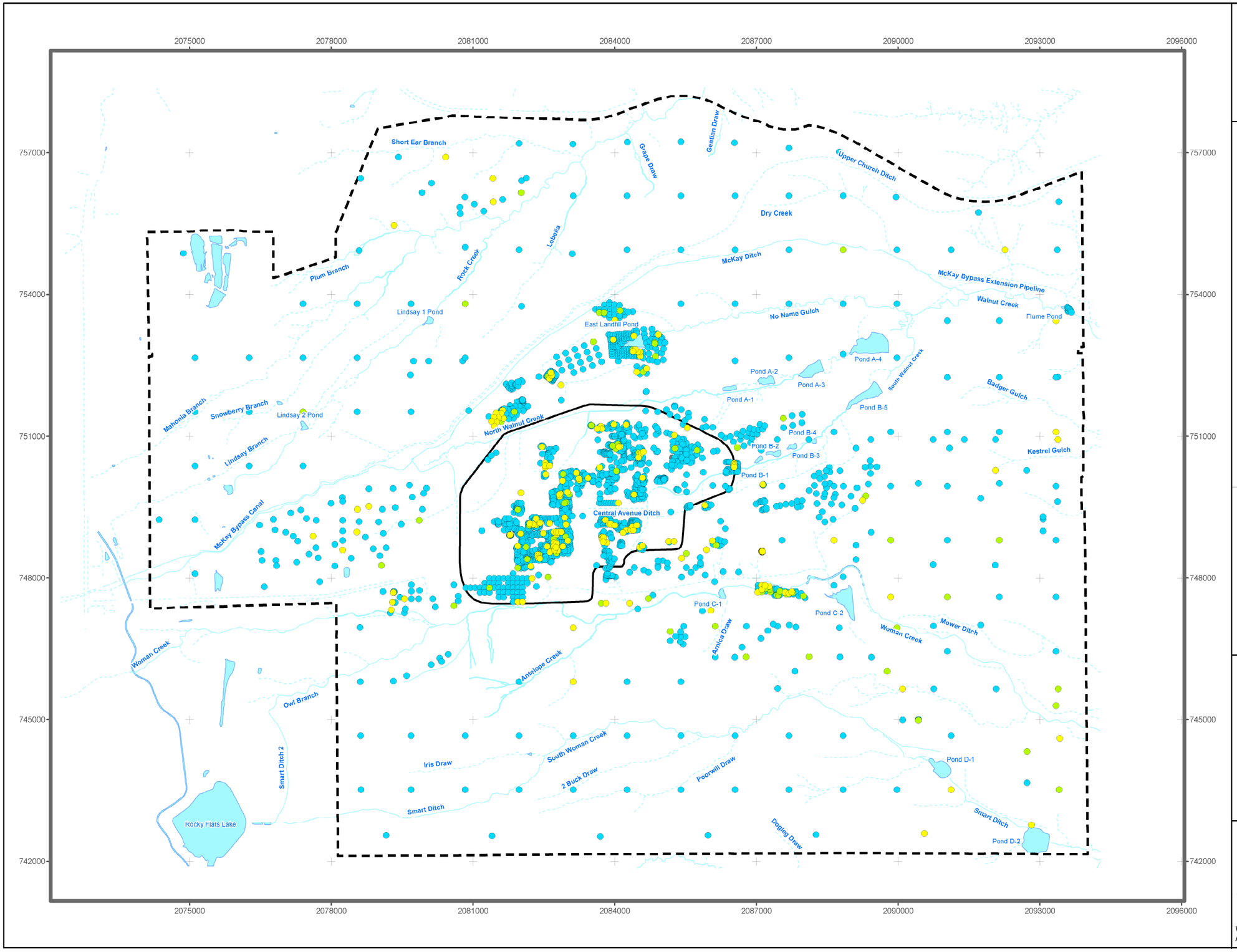
Figure A2.5

Manganese Concentrations in Surface Soil



KEY

- >= WRW PRG
- > Background M2SD and < WRW PRG
- Detected and <= Background M2SD
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 365 mg/kg
WRW PRG = 419 mg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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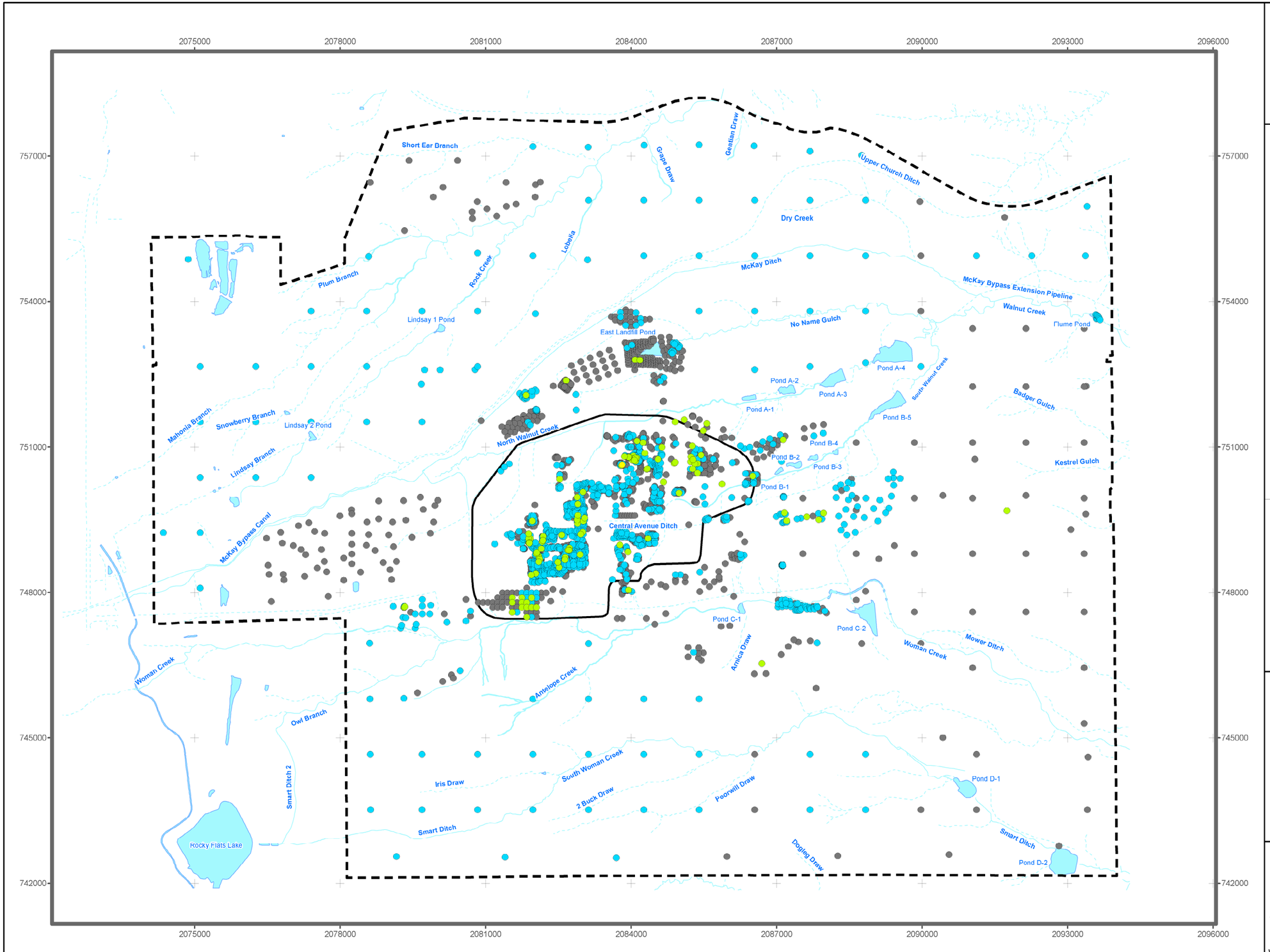
Figure A2.6

Mercury Concentrations in Surface Soil



KEY

- >= WRW PRG
- > Background M2SD and < WRW PRG
- Detected and <= Background M2SD
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 0.133 mg/kg
WRW PRG = 32.9 mg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
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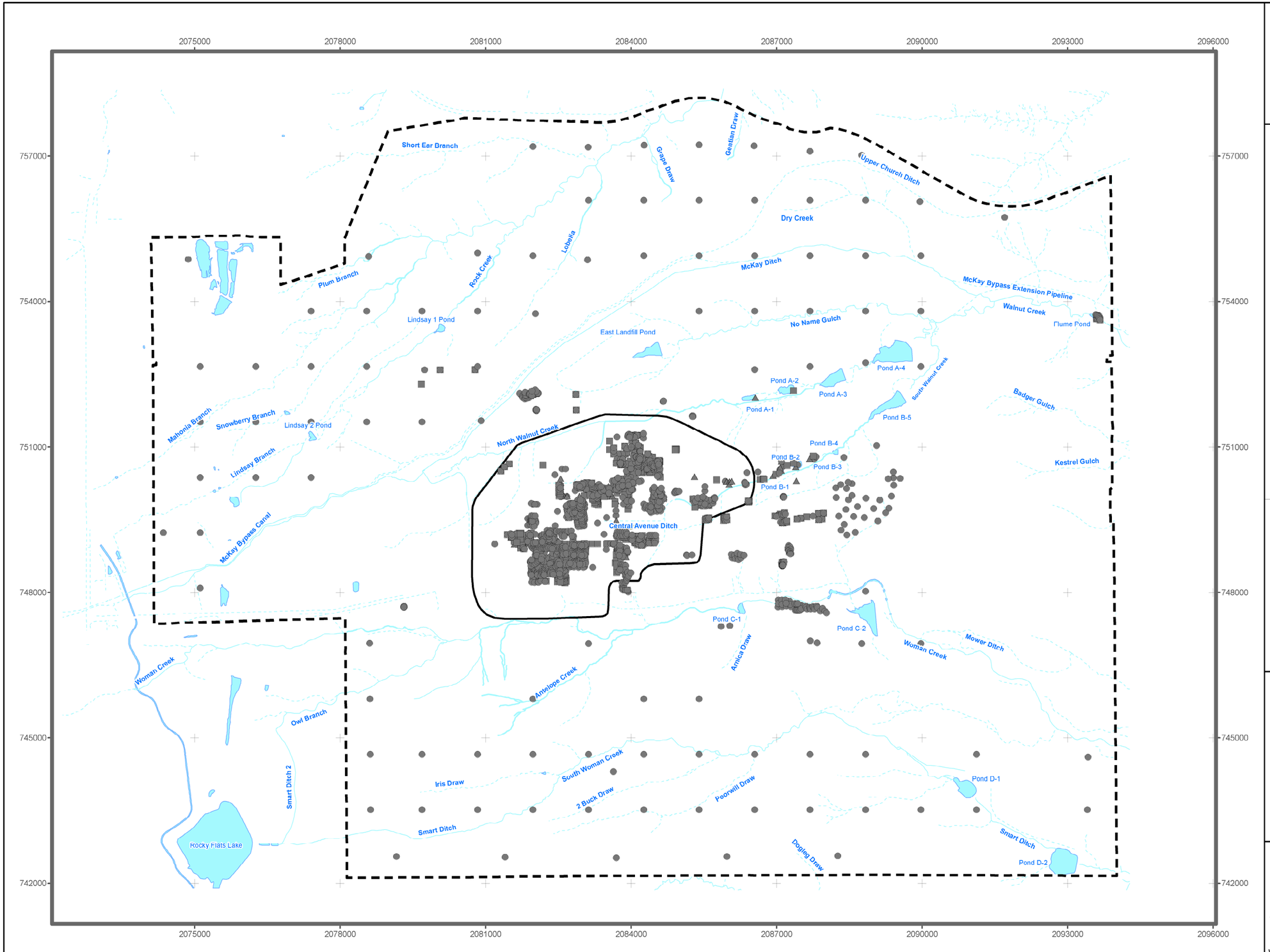
Figure A2.7

Uranium, total Activity in Surface Soil



KEY

- >= WRW PRG
- > Background M2SD and < WRW PRG
- Detected and <= Background M2SD
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 5.98 mg/kg
WRW PRG = 333 mg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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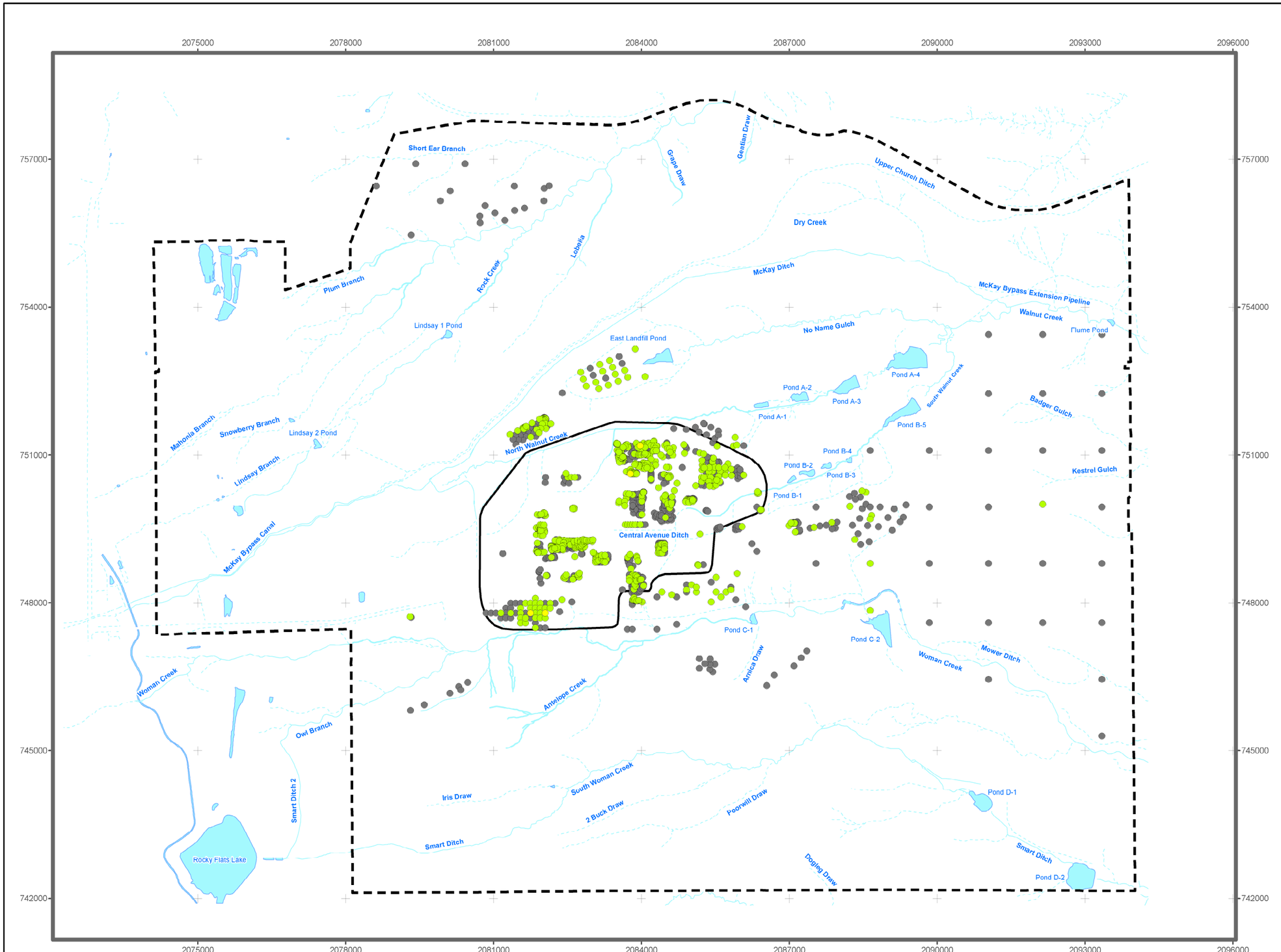

Figure A2.8

Benzo(a)anthracene Concentrations in Surface Soil

KEY

- >= WRW PRG
- Detected < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = NA
WRW PRG = 3,793 µg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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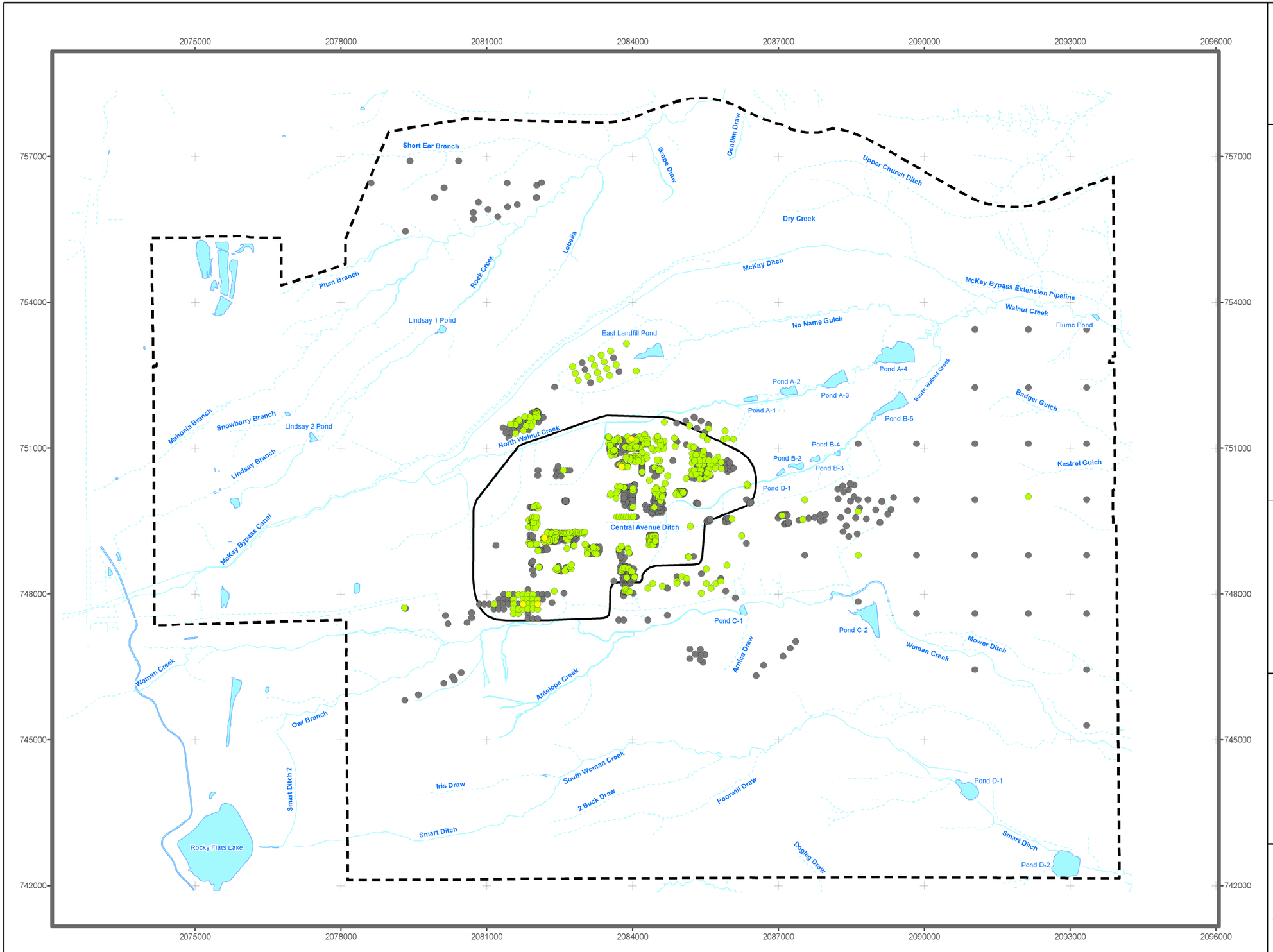
Figure A2.9

Benzo(b)fluoranthene Concentrations in Surface Soil



KEY

- >= WRW PRG
- Detected < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = NA
WRW PRG = 3,793 µg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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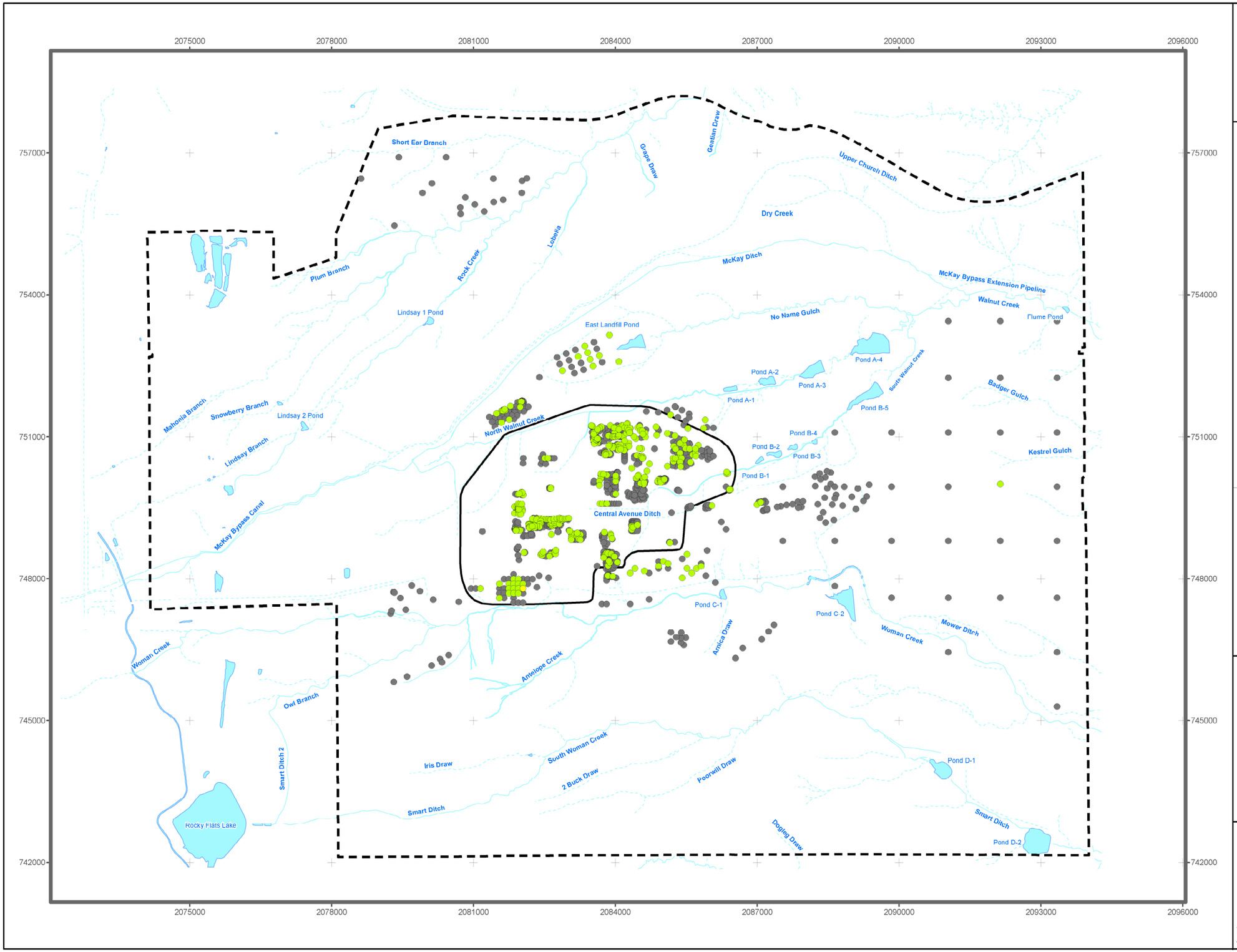
Figure A2.10

Indeno(1,2,3-cd)pyrene Concentrations in Surface Soil



KEY

- >= WRW PRG
- Detected < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = NA
WRW PRG = 3,793 µg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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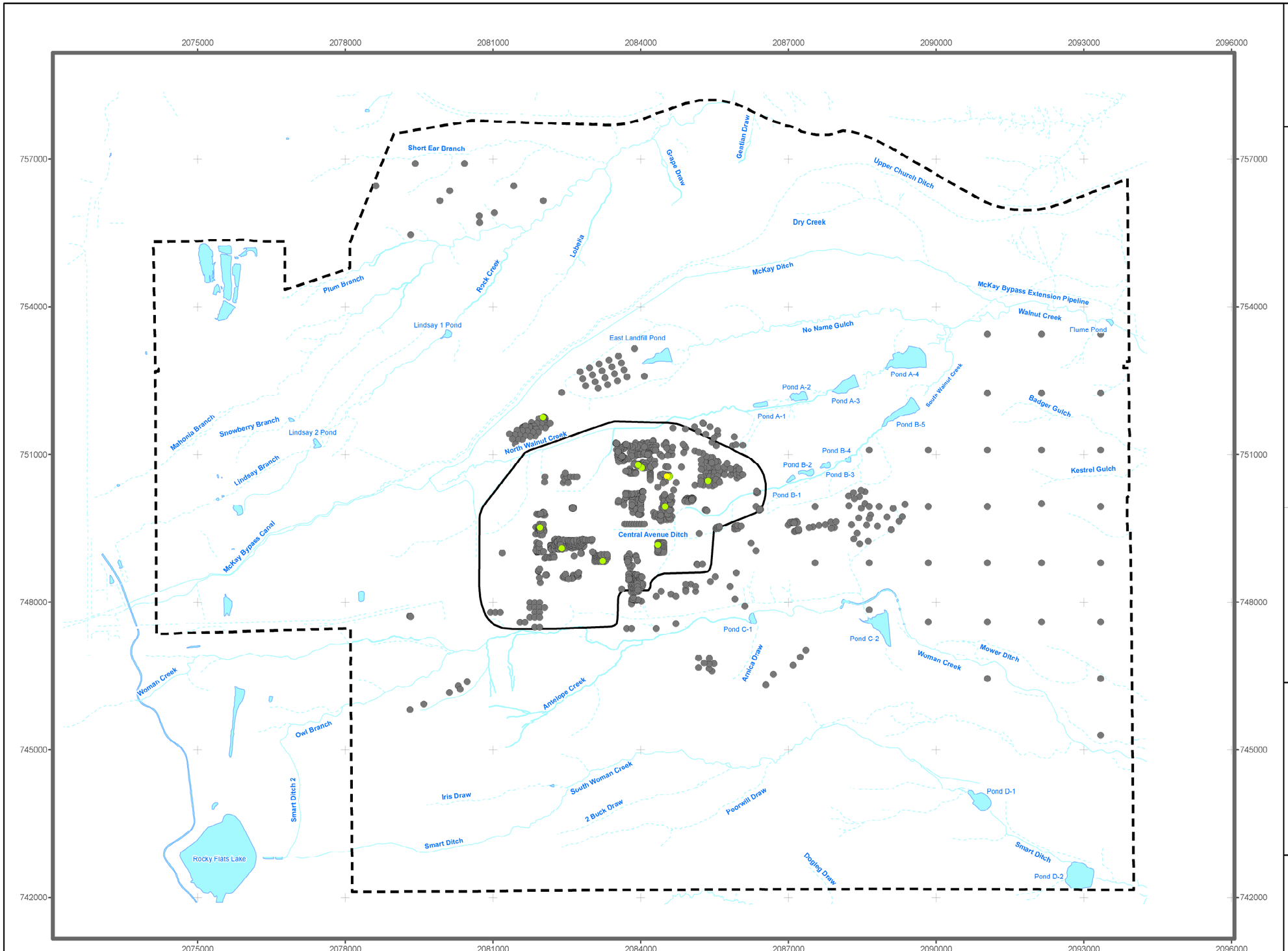
Figure A2.11

Pentachlorophenol Concentrations in Surface Soil



KEY

- >= WRW PRG
- Detected < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = NA
WRW PRG = 17,633 µg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
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Datum: NAD 27

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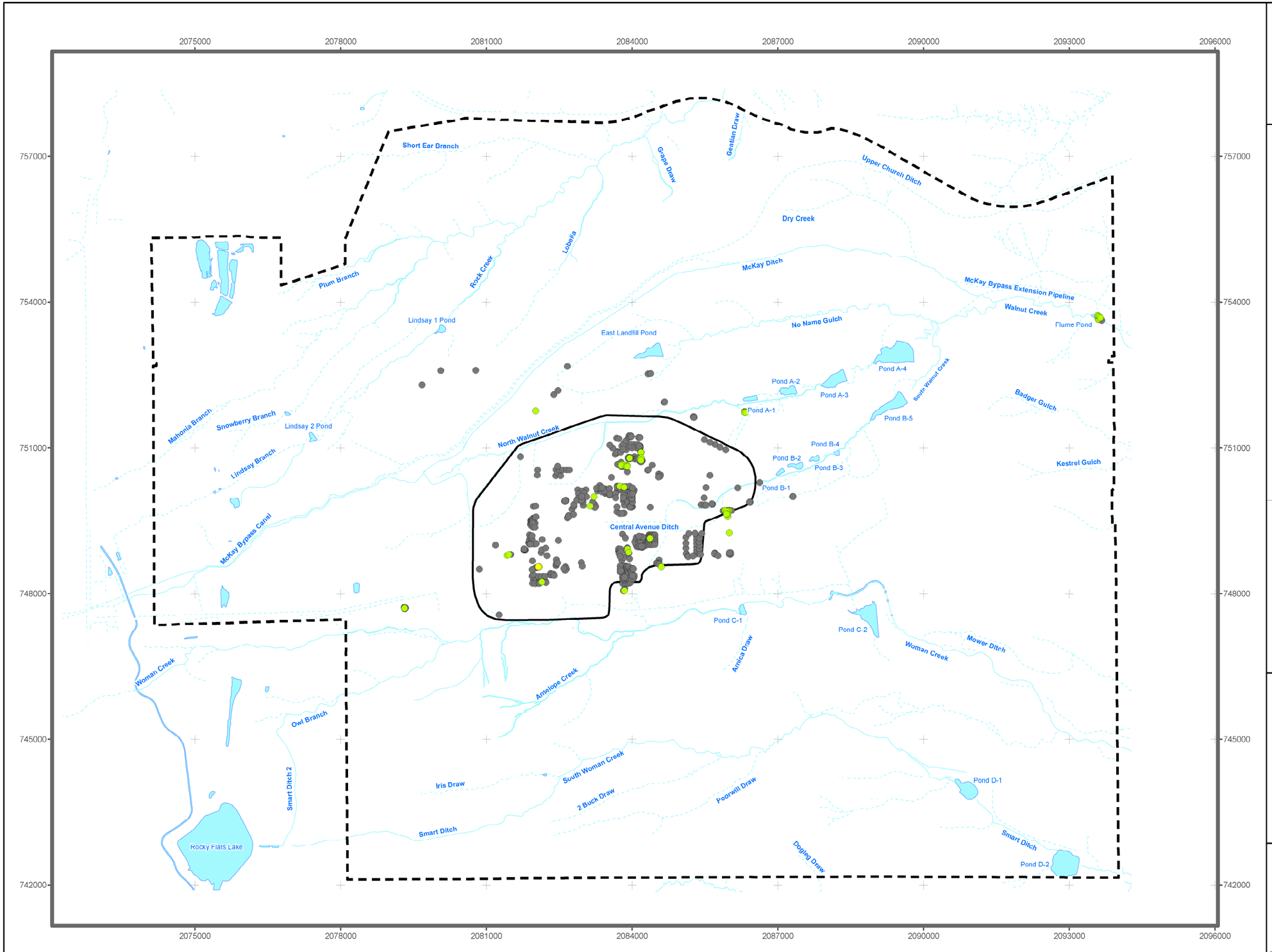
Figure A2.12

Tetrachloroethene Concentrations in Surface Soil



KEY

- >= WRW PRG
- Detected < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = NA
WRW PRG = 6,705 µg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
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Datum: NAD 27

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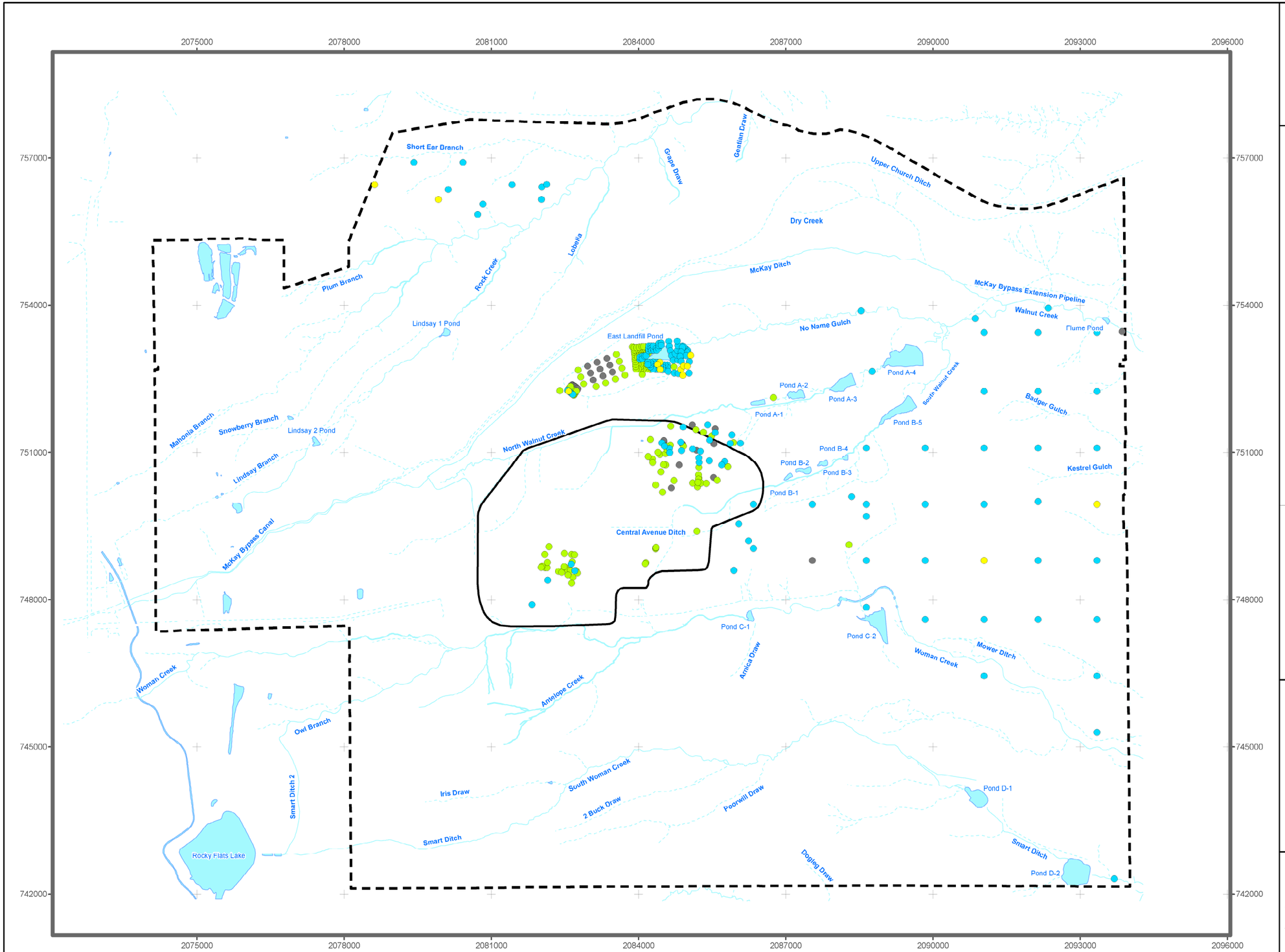
Figure A2.13

Cesium-137 Activity in Surface Soil



KEY

- > Background M2SD
- >= WRW PRG and <= Background M2SD
- Detected and < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 1.69 pCi/g
WRW PRG = 0.221 pCi/g

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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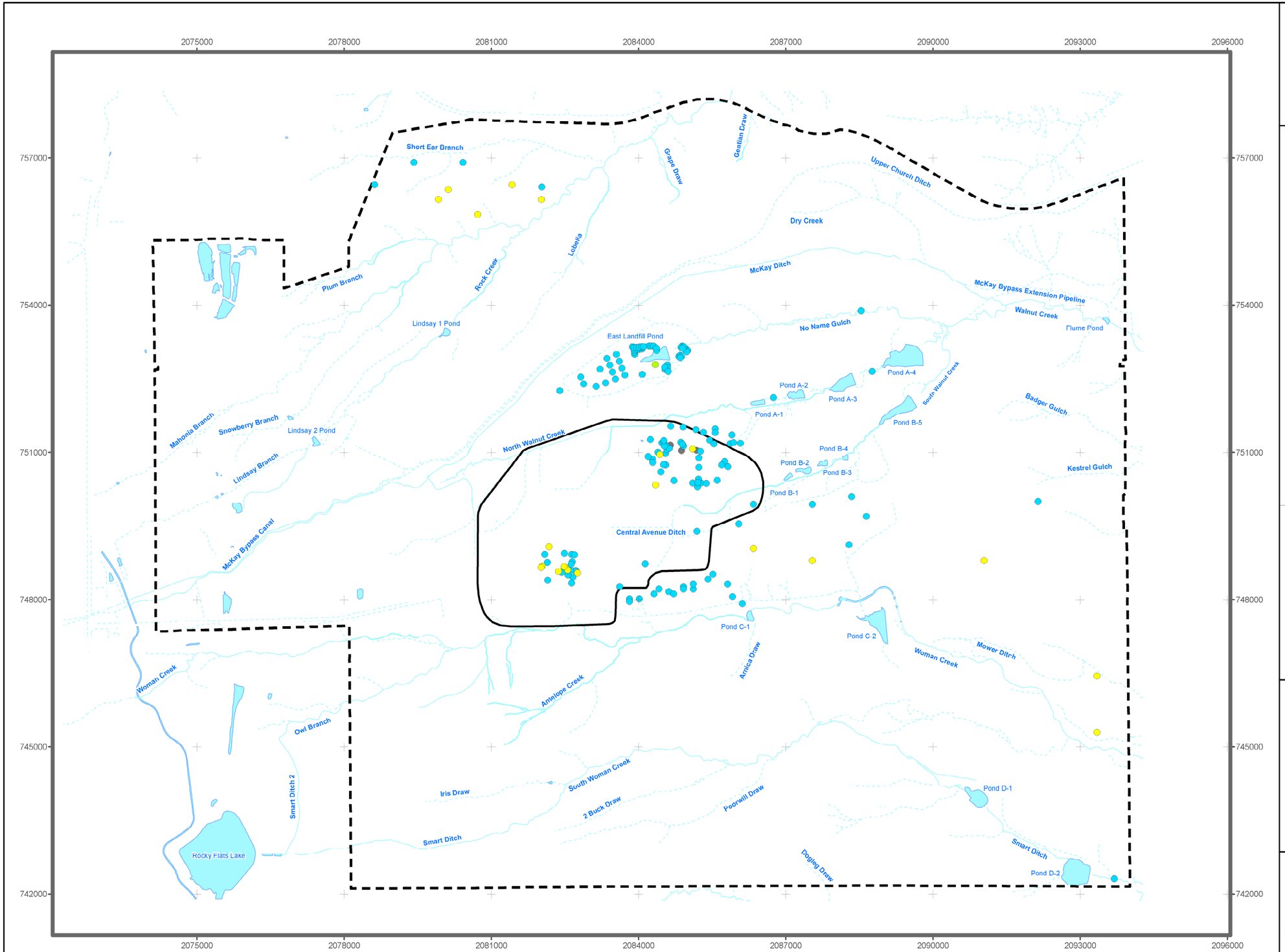
Figure A2.14

Radium-228 Activity in Surface Soil



KEY

- > Background M2SD
- >= WRW PRG and <= Background M2SD
- Detected and < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 2.31 pCi/g
WRW PRG = 0.111 pCi/g

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.1 and 3.12 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
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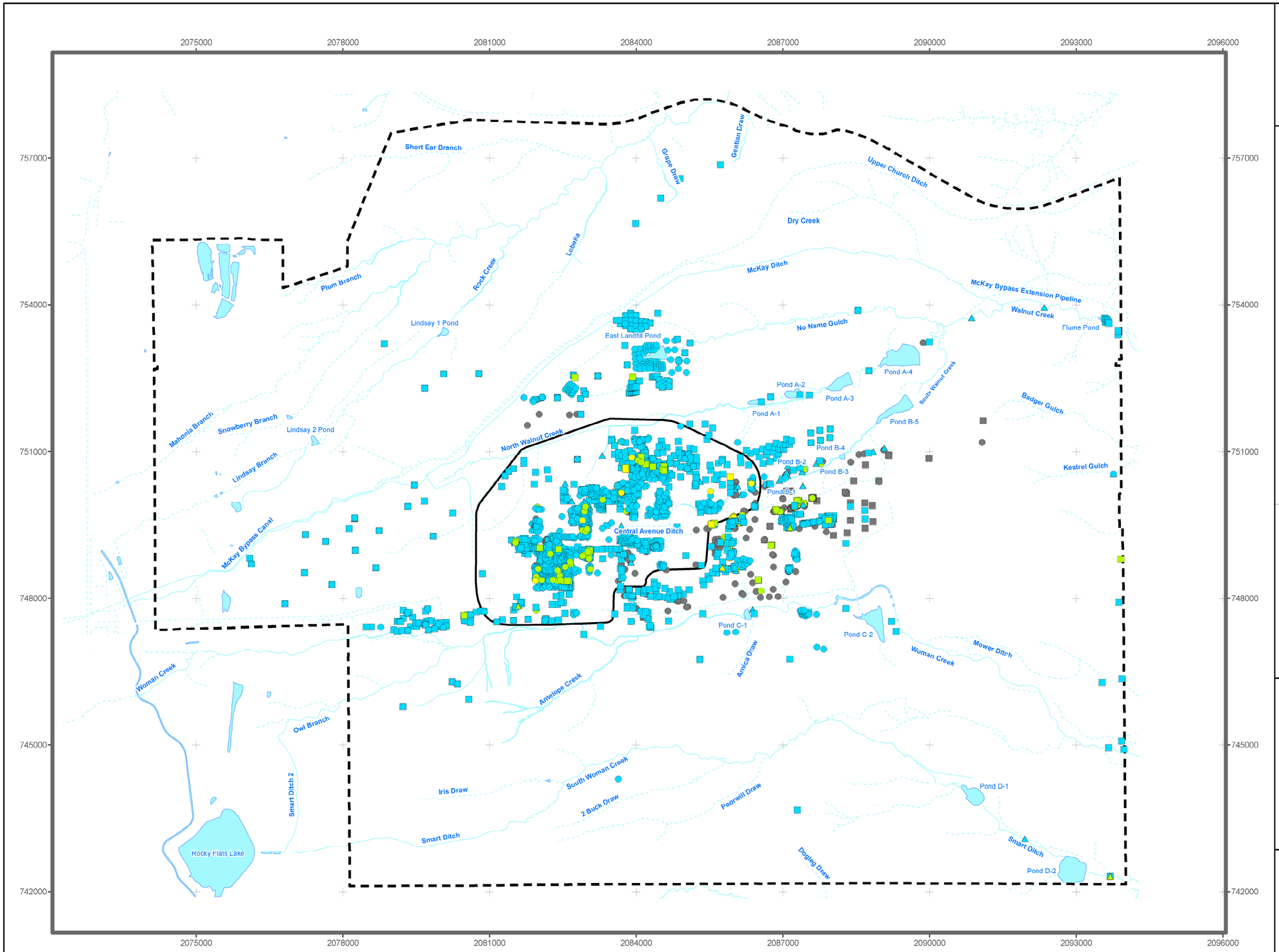
Figure A2.15

Arsenic Concentrations in Subsurface Soil (0.5 - 3 ft, 3 - 8 ft, and 8 - 12 ft)



KEY

- ○ Sample collected > 0.5 ft and <= 3 ft
- □ Sample collected > 3ft and <= 8 ft
- △ Sample collected > 8 ft and <= 12 ft
- >= WRW PRG
- > Background M2SD < WRW PRG
- Detected and <= Background M2SD
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 17.5 mg/kg
WRW PRG = 27.7 mg/kg

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.14, 3.16, and 3.18 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
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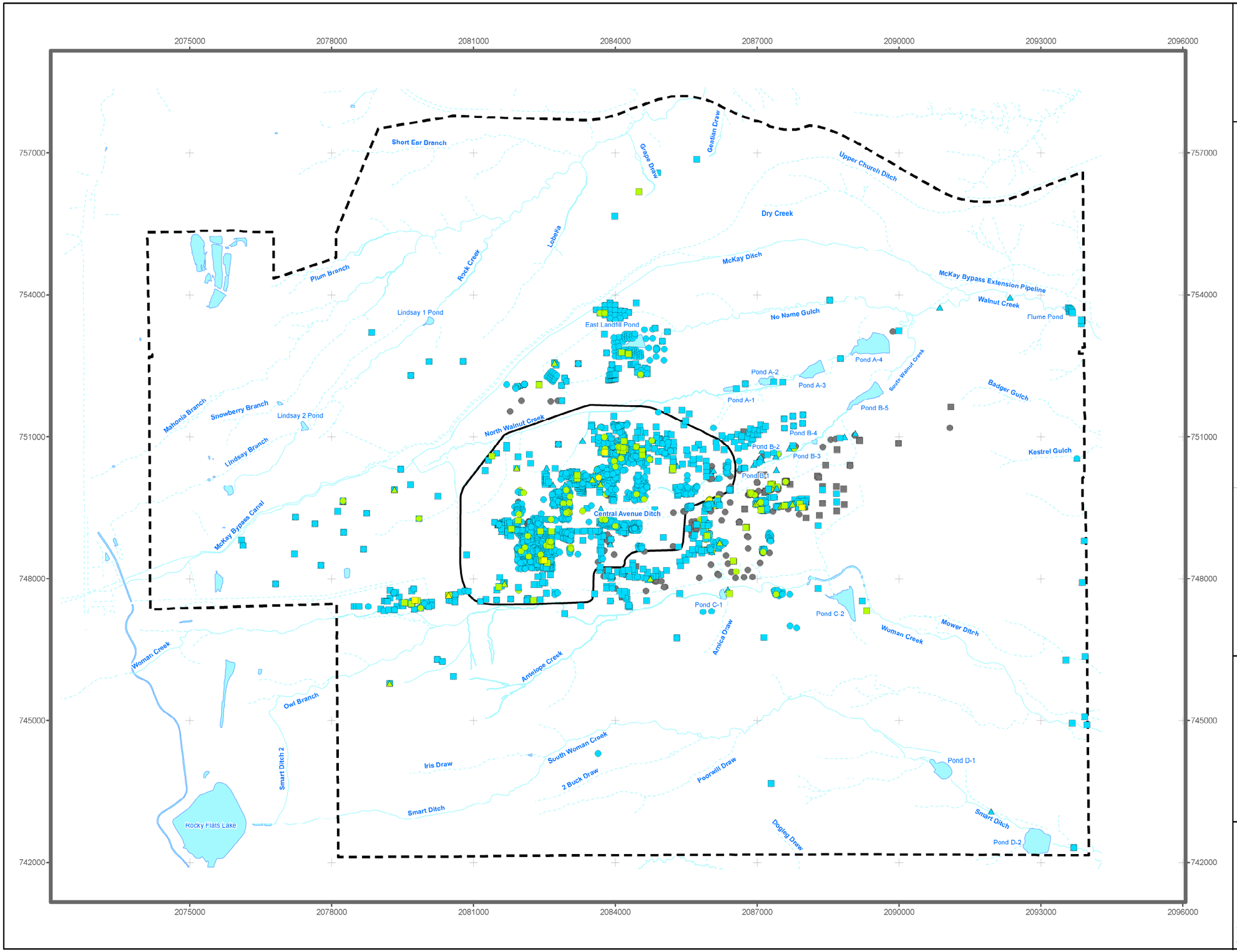
Figure A2.16

Chromium (total) Concentrations in Subsurface Soil (0.5 - 3 ft, 3 - 8 ft, and 8 - 12 ft)



KEY

- ○ Sample collected > 0.5 ft and <= 3 ft
- □ Sample collected > 3ft and <= 8 ft
- △ Sample collected > 8 ft and <= 12 ft

- >= WRW PRG
- > Background M2SD < WRW PRG
- Detected and <= Background M2SD
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 42.2 mg/kg
WRW PRG = 327 mg/kg

Notes.
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Table 3.14 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
Colorado Central Zone
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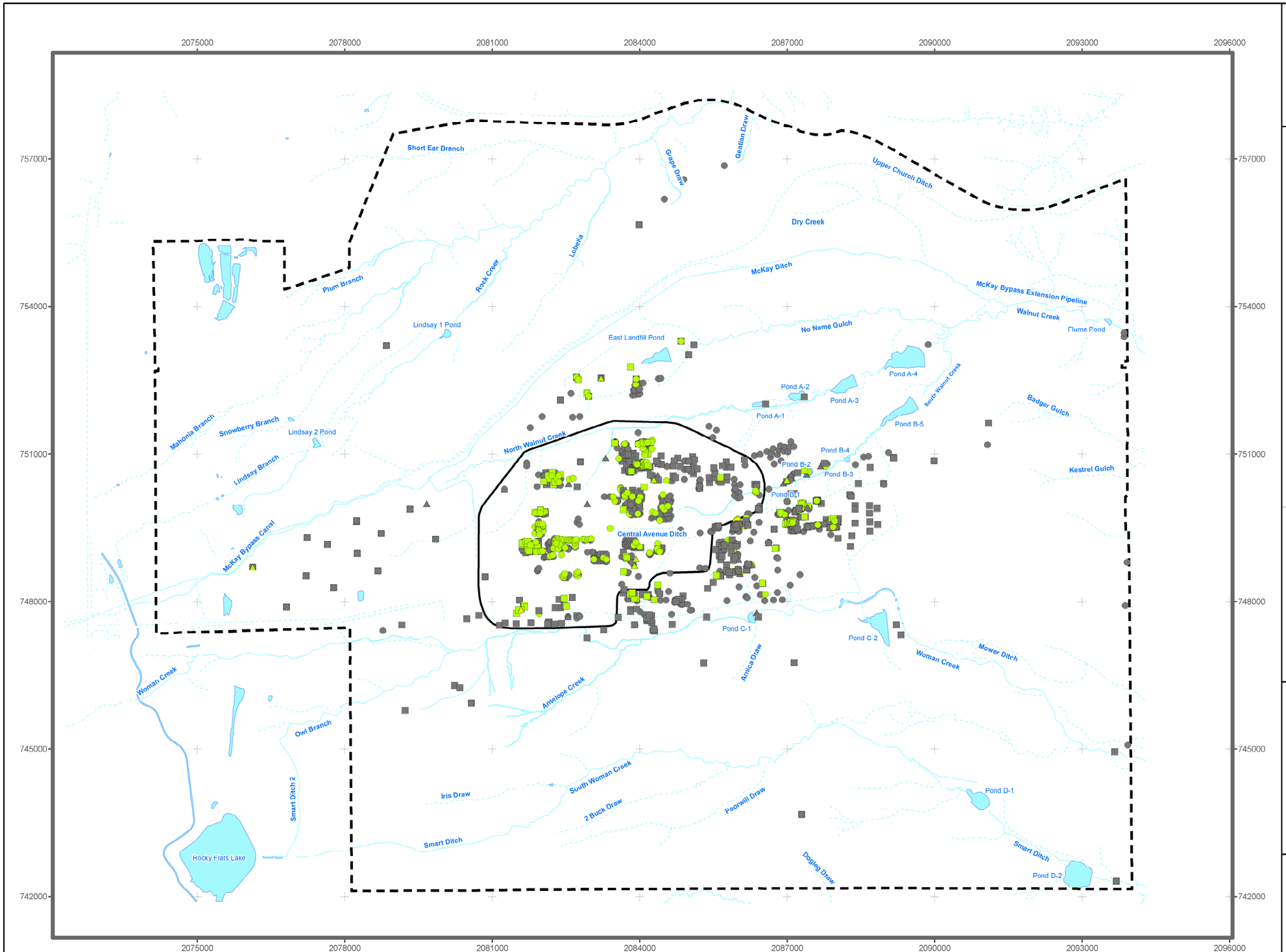
Figure A2.17

Benzo(a)anthracene Concentrations in Subsurface Soil (0.5 - 3 ft, 3 - 8 ft, and 8 - 12 ft)



KEY

- ○ Sample collected > 0.5 ft and <= 3 ft
- □ Sample collected > 3ft and <= 8 ft
- △ Sample collected > 8 ft and <= 12 ft
- >= WRW PRG
- Detected and < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = NA
WRW PRG = 43,616 µg/kg

Notes.
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Table 3.18 for additional information.

Standard Map Features
- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
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Datum: NAD 27

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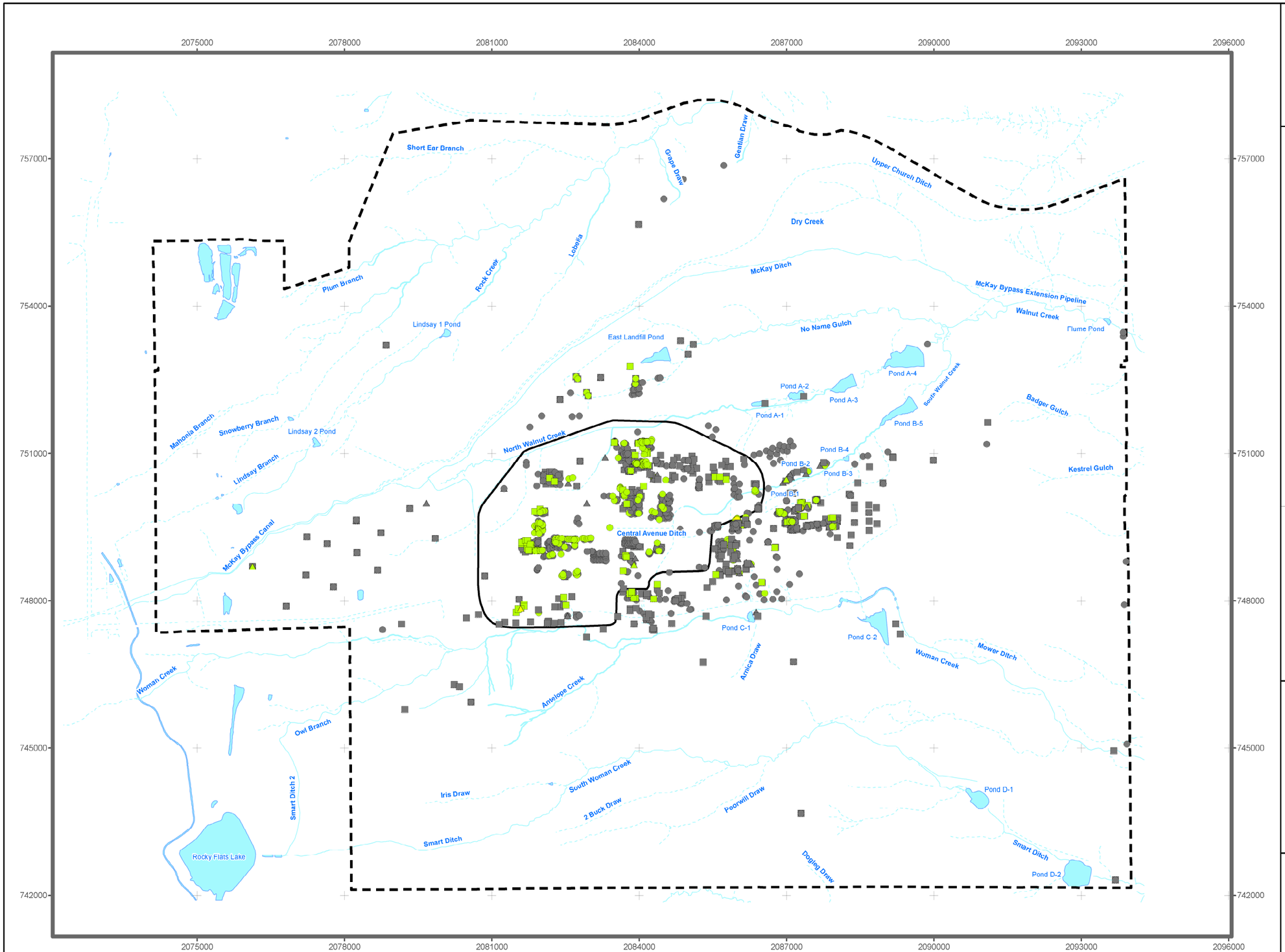
Figure A2.18

Benzo(b)fluoranthene Concentrations in Subsurface Soil (0.5 - 3 ft, 3 - 8 ft, and 8 - 12 ft)



KEY

- ○ Sample collected > 0.5 ft and <= 3 ft
- □ Sample collected > 3ft and <= 8 ft
- △ Sample collected > 8 ft and <= 12 ft
- >= WRW PRG
- Detected and < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = NA
WRW PRG = 43,616 µg/kg

Notes.
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Table 3.18 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

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State Plane Coordinate Projection
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Datum: NAD 27

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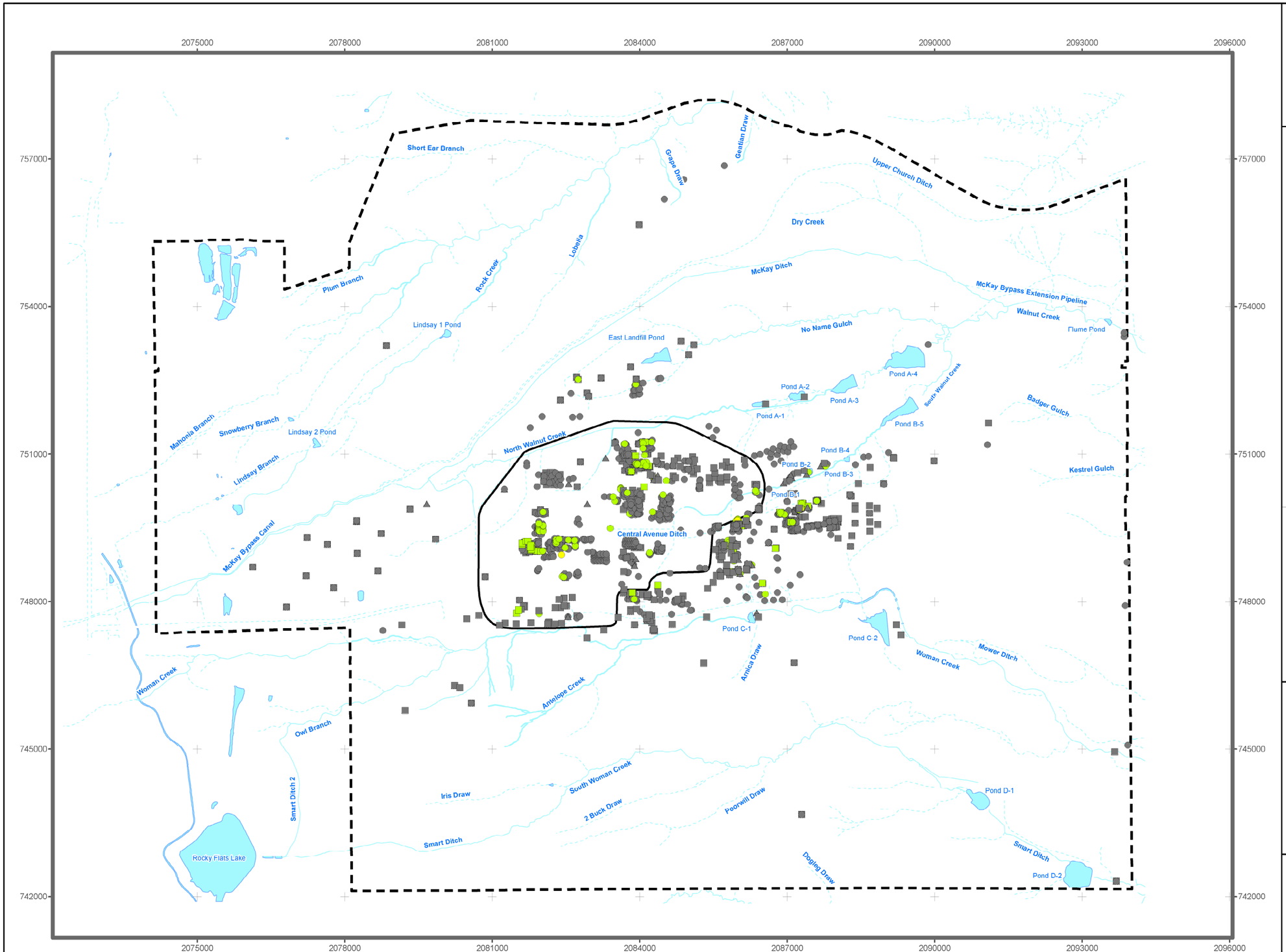
Figure A2.19

Dibenz(a,h)anthracene Concentrations in Subsurface Soil (0.5 - 3 ft, 3 - 8 ft, and 8 - 12 ft)



KEY

- ○ Sample collected > 0.5 ft and <= 3 ft
- □ Sample collected > 3ft and <= 8 ft
- △ Sample collected > 8 ft and <= 12 ft
- >= WRW PRG
- Detected and < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = NA
WRW PRG = 4,362 µg/kg

Notes.
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Table 3.14 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

N
W E
S

0 1,000 2,000 Feet

Scale 1:24,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
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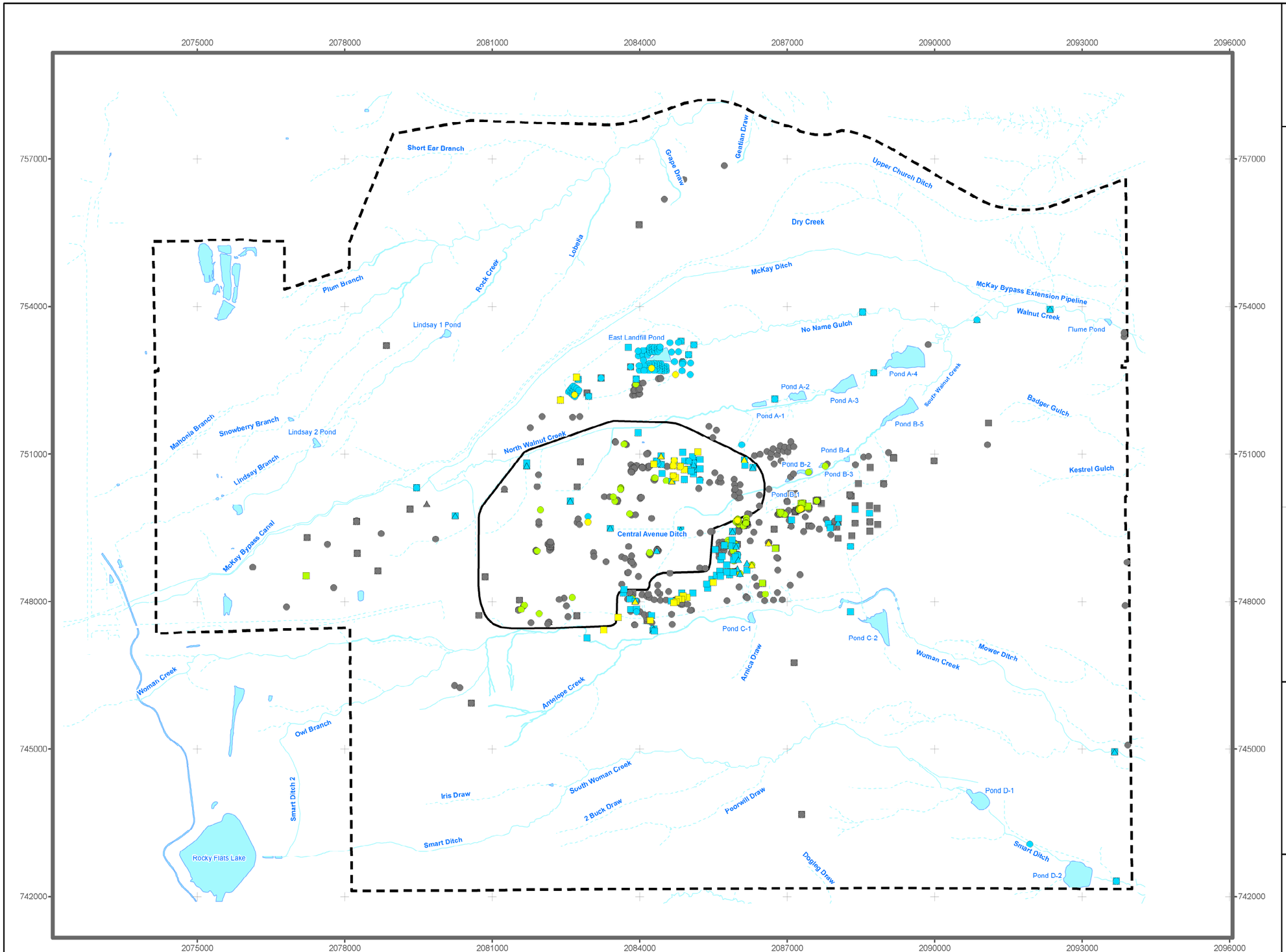
Figure A2.20

Radium-228 Activity in Subsurface Soil (0.5 - 3 ft, 3 - 8 ft, and 8 - 12 ft)



KEY

- ○ Sample collected > 0.5 ft and <= 3 ft
- □ Sample collected > 3ft and <= 8 ft
- △ Sample collected > 8 ft and <= 12 ft
- > Background M2SD
- >= WRW PRG and <= Background M2SD
- Detected and < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 2.09 pCi/g
WRW PRG = 1.28 pCi/g

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.14, 3.16, and 3.18 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

N
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0 1,000 2,000 Feet

Scale 1:24,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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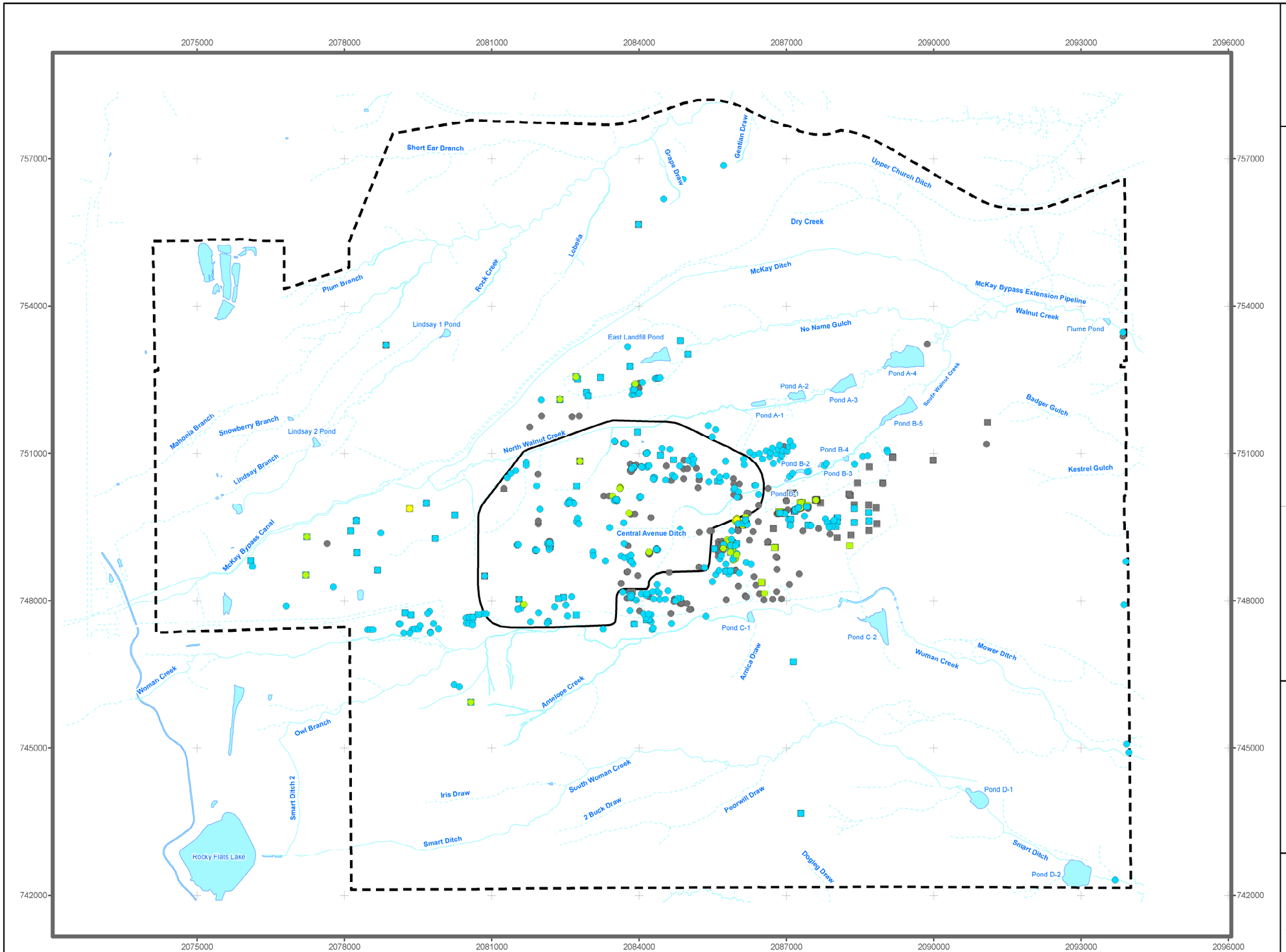
Figure A2.21

Chromium (total) Concentrations in Subsurface Soil (12 - 30 ft, 30 - 50 ft, and >50 ft)



KEY

- ○ Sample collected > 12 ft and <= 30 ft
- □ Sample collected > 30 ft and <= 50 ft
- △ Sample collected > 50 ft
- >= WRW PRG
- > Background M2SD < WRW PRG
- Detected and <= Background M2SD
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 42.2 mg/kg
WRW PRG = 327 mg/kg

Notes.
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Table 3.2 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

N
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0 1,000 2,000 Feet

Scale 1:24,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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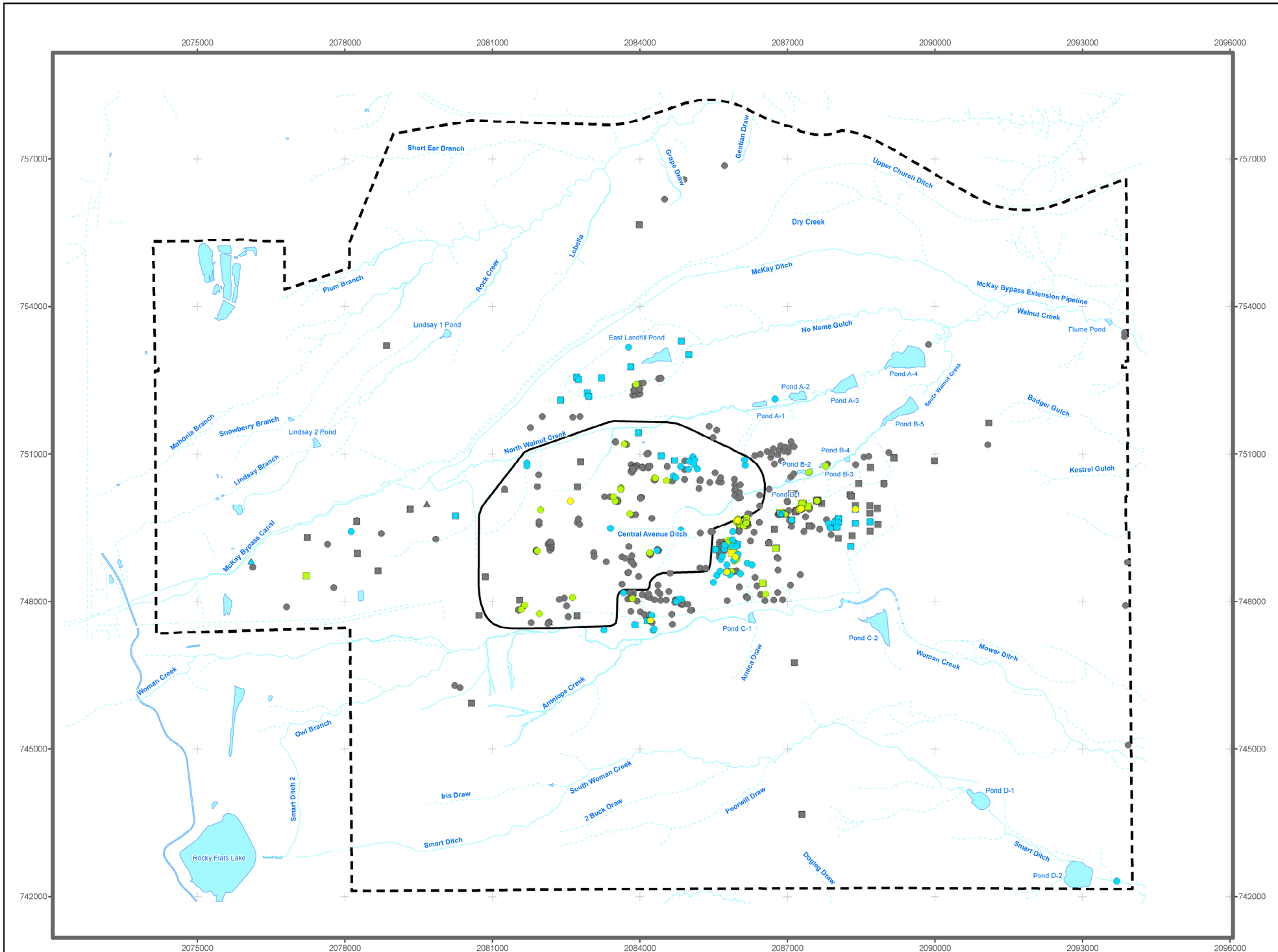

Figure A2.22

Radium-228 Activity in Subsurface Soil (12 - 30 ft, 30 - 50 ft, and >50 ft)

KEY

- ○ Sample collected > 12 ft and <= 30 ft
- □ Sample collected > 30 ft and <= 50 ft
- △ Sample collected > 50 ft
- > Background M2SD
- >= WRW PRG and <= Background M2SD
- Detected and < WRW PRG
- Not detected

Minimum nondetect reported value = null
Maximum nondetect reported value = null
Background M2SD = 2.09 pCi/g
WRW PRG = 1.28 pCi/g

Notes:
- Data presented are the results from soil samples collected between 6/28/1991 and 8/22/2005.
- Nul values represent a frequency of detection at 100%.
- See Tables 3.20 and 3.22 for additional information.

Standard Map Features

- IA OU boundary
- Pond
- Perennial stream
- Intermittent stream
- Ephemeral stream
- Site boundary

N
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0 1,000 2,000 Feet

Scale 1:24,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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