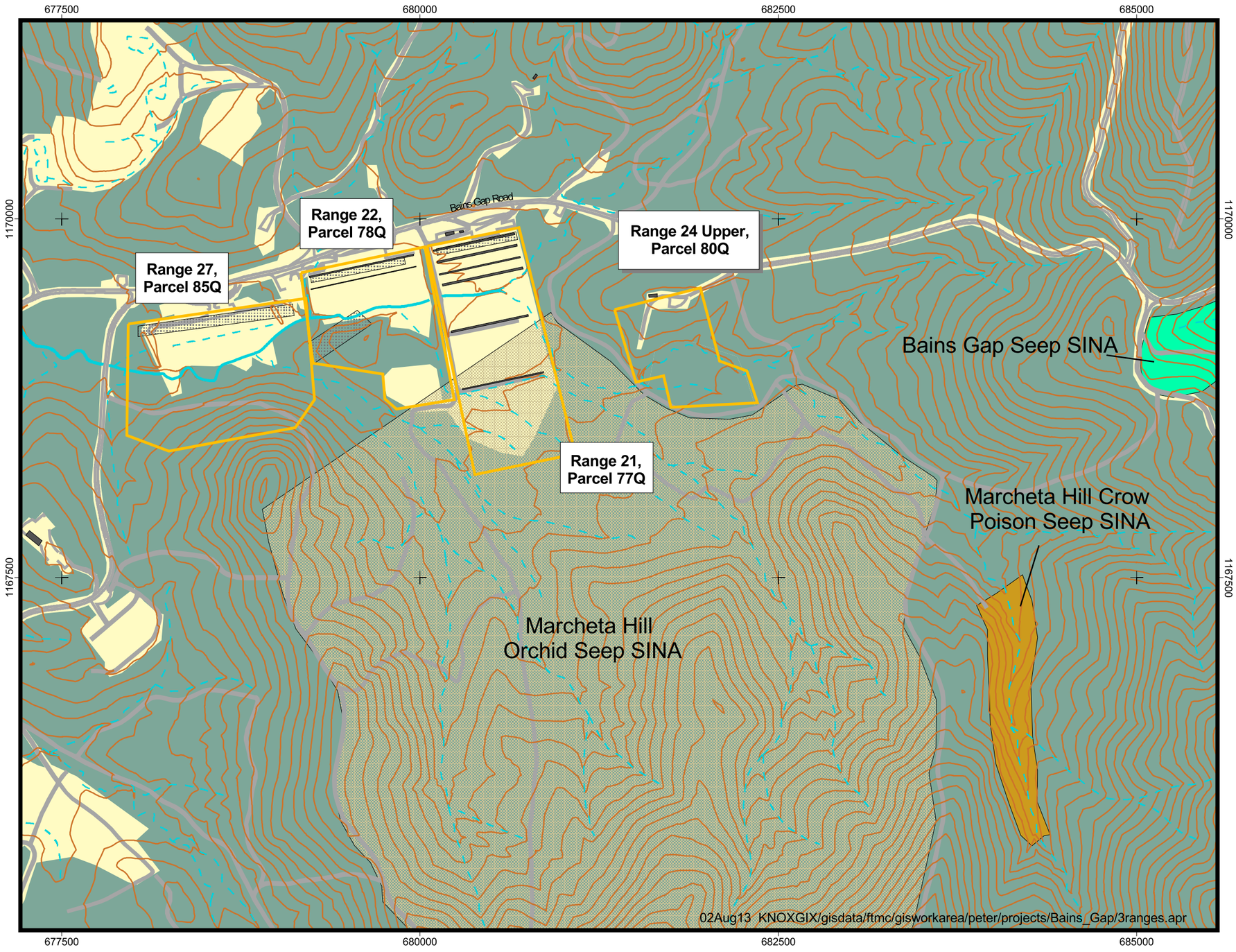

Figure 4-1

Locations of SINAs near Bains Gap Road Ranges

Legend

- Streams (dashed where intermittent)
- 25' Contours
- Roads

Special Interest Natural Areas

- Bains Gap Seep
- Marcheta Hill Orchid Seep
- Marcheta HIl Crow Poison Seep
- Range
- Firing Lines
- Wooded
- Not Wooded

0 500 1000 1500

State Plane feet, NAD83

N

August 2002

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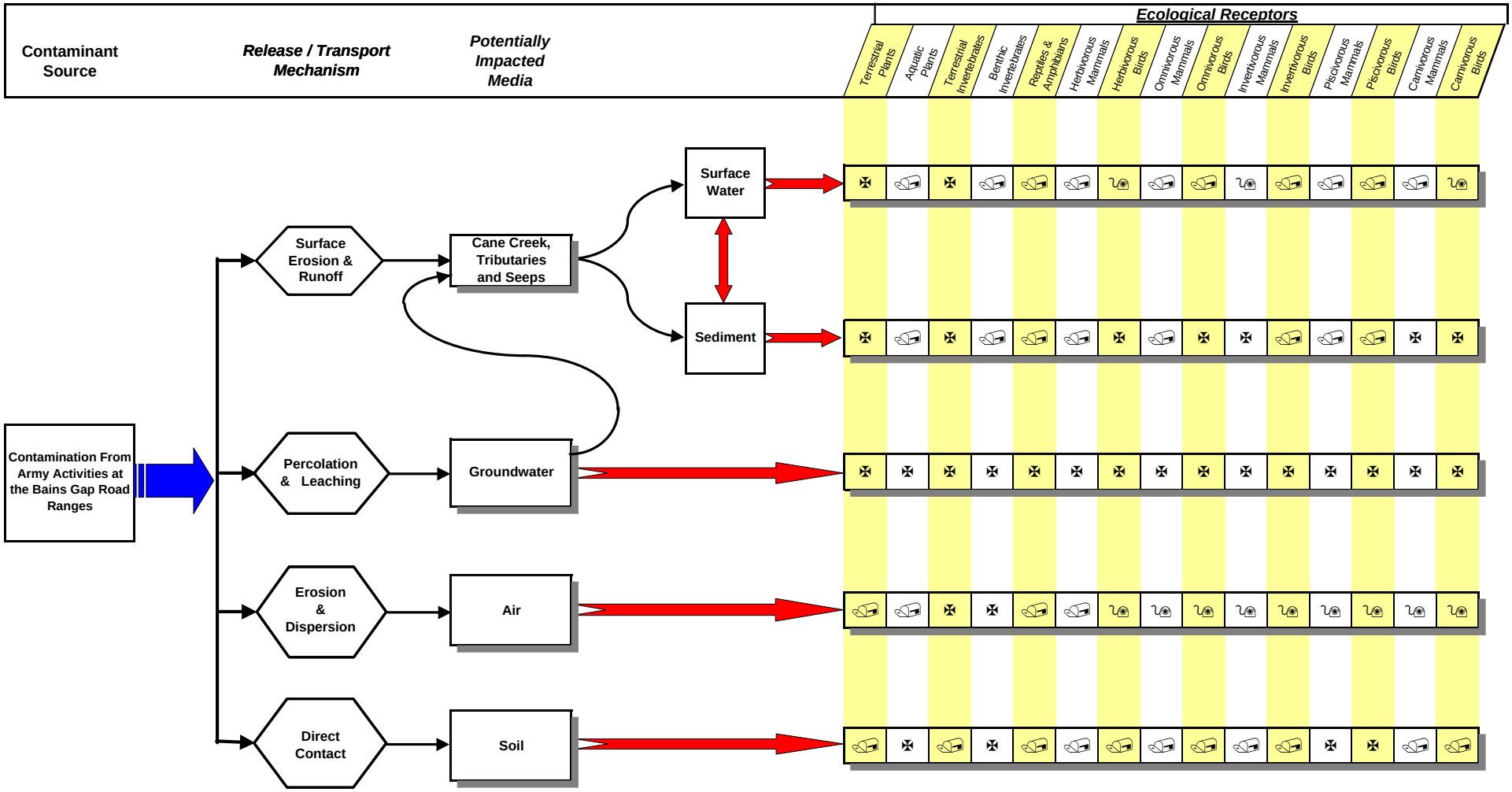
Figure 4 - 2
Site Conceptual Model
For Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama



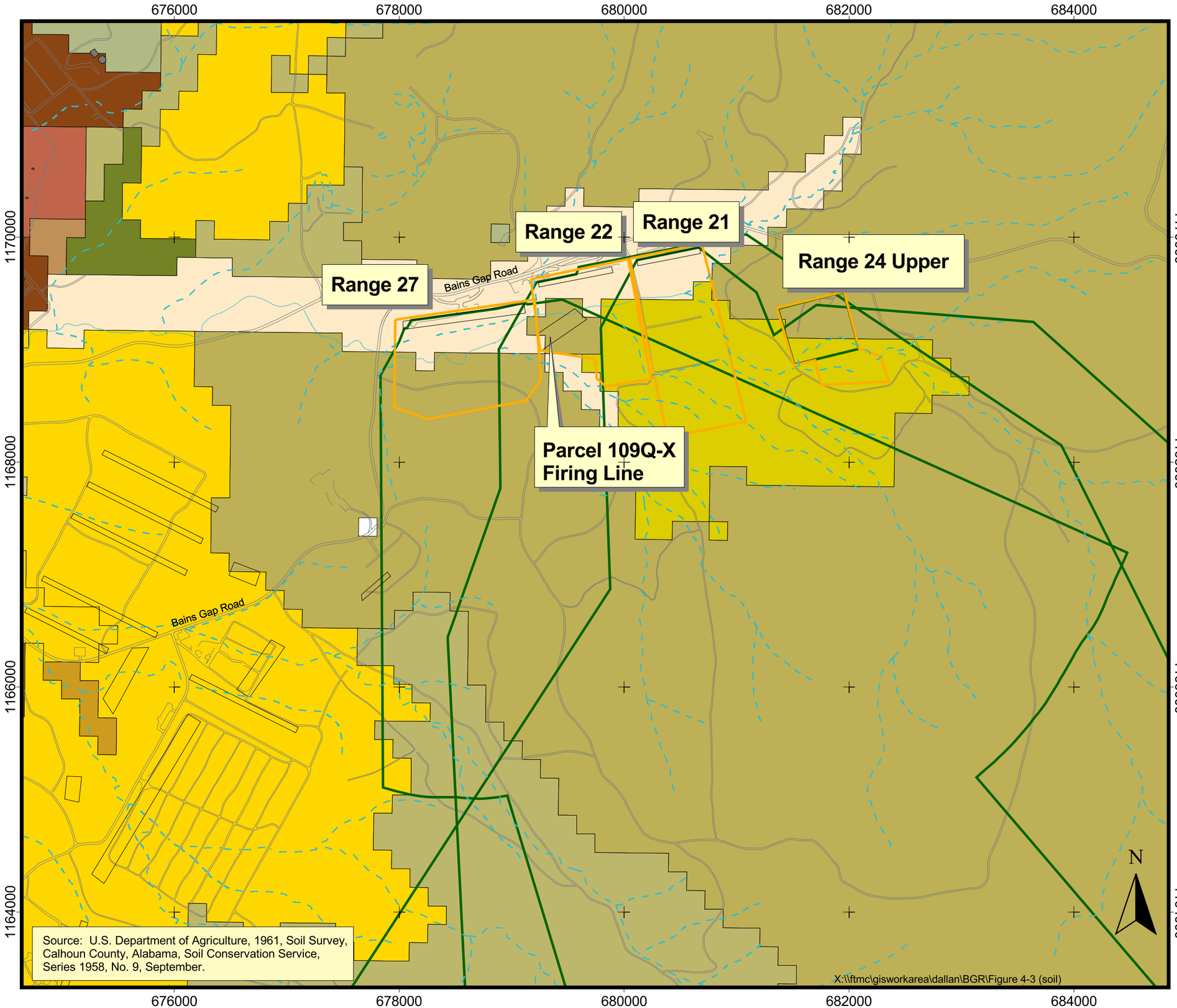
Key To Potential Exposure Routes

- - Potentially complete exposure pathway
- - Incomplete exposure pathway
- - Potentially complete exposure pathway but insignificant

Figure 4-3

Site Soil Map

Bains Gap Road Ranges
Fort McClellan, Alabama



Source: U.S. Department of Agriculture, 1961, Soil Survey, Calhoun County, Alabama, Soil Conservation Service, Series 1958, No. 9, September.

Legend

- Roads
- Streams
- Study Area
- CERFA Parcel Boundary
- Firing Line

Soil

- Anniston and Allen gravelly loams
- Anniston and Allen stony loams
- Jefferson gravelly fine sandy loam
- Jefferson stony fine sandy loam
- Monongahela loam
- Montevallo shaley silty clay loam
- Rarden silt loam
- Rarden silty dry loam
- Stony rough land, sandstone

0 800 1600 Feet

NAD83 State Plane Coordinates

U. S. Army Corps of Engineers
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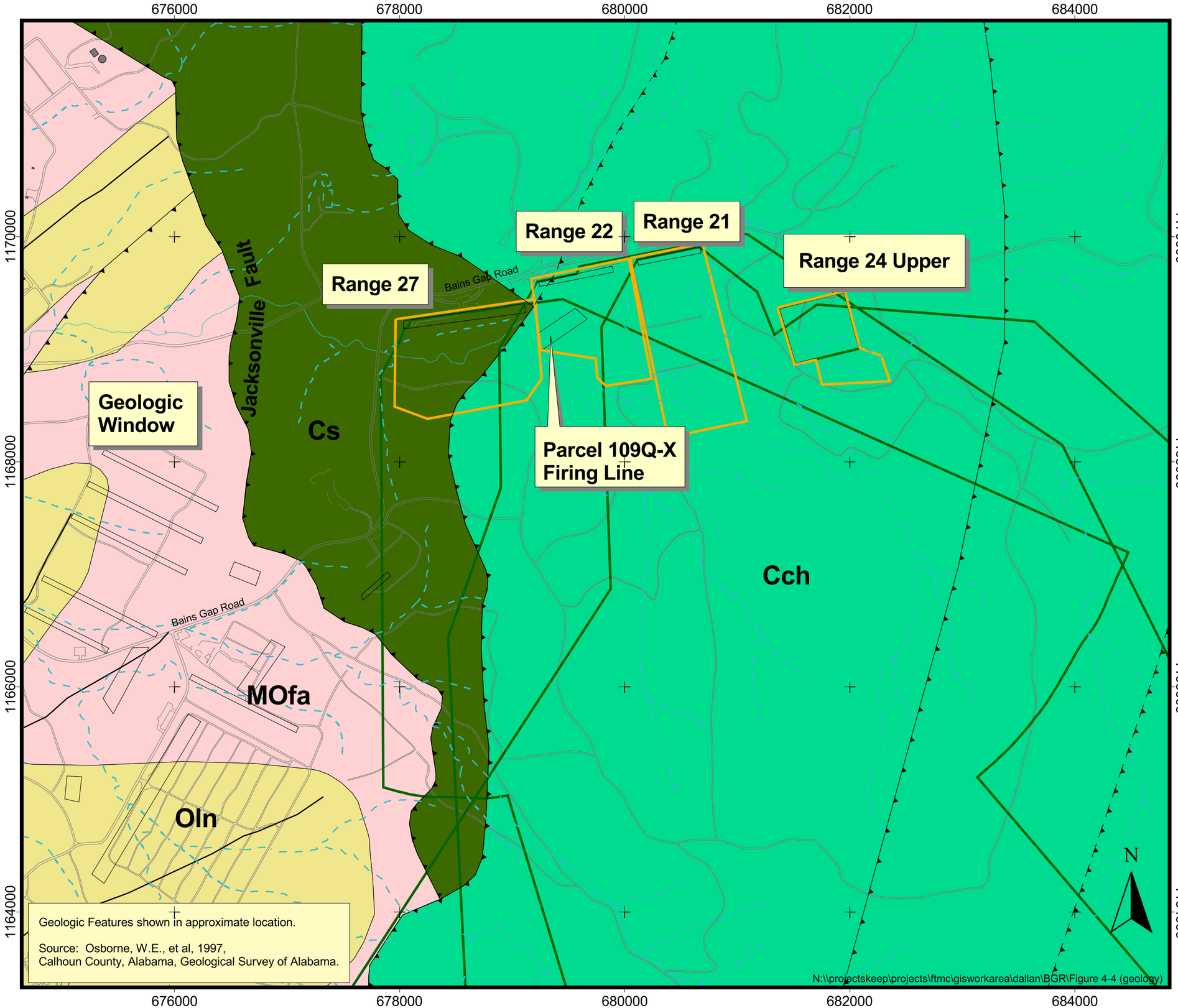
Figure 4-4

Site Geologic Map

Bains Gap Road Ranges
Fort McClellan, Alabama



Legend

- Roads
- Streams (dashed where intermittent)
- Study Area
- CERFA Parcel Boundary
- Firing Line

Geology

- MOfa — Mississippian/Ordovician - Floyd & Athens Shale, Undifferentiated
- Oln — Ordovician - Little Oak and Newala Limestones, Undifferentiated
- Cs — Cambrian - Shady Dolomite
- Cch — Cambrian - Chilhowee Group, Undifferentiated
- Fault (dashed where inferred; barbs on upper plate)

0 800 1600 Feet

NAD83 State Plane Coordinates

U. S. Army Corps of Engineers
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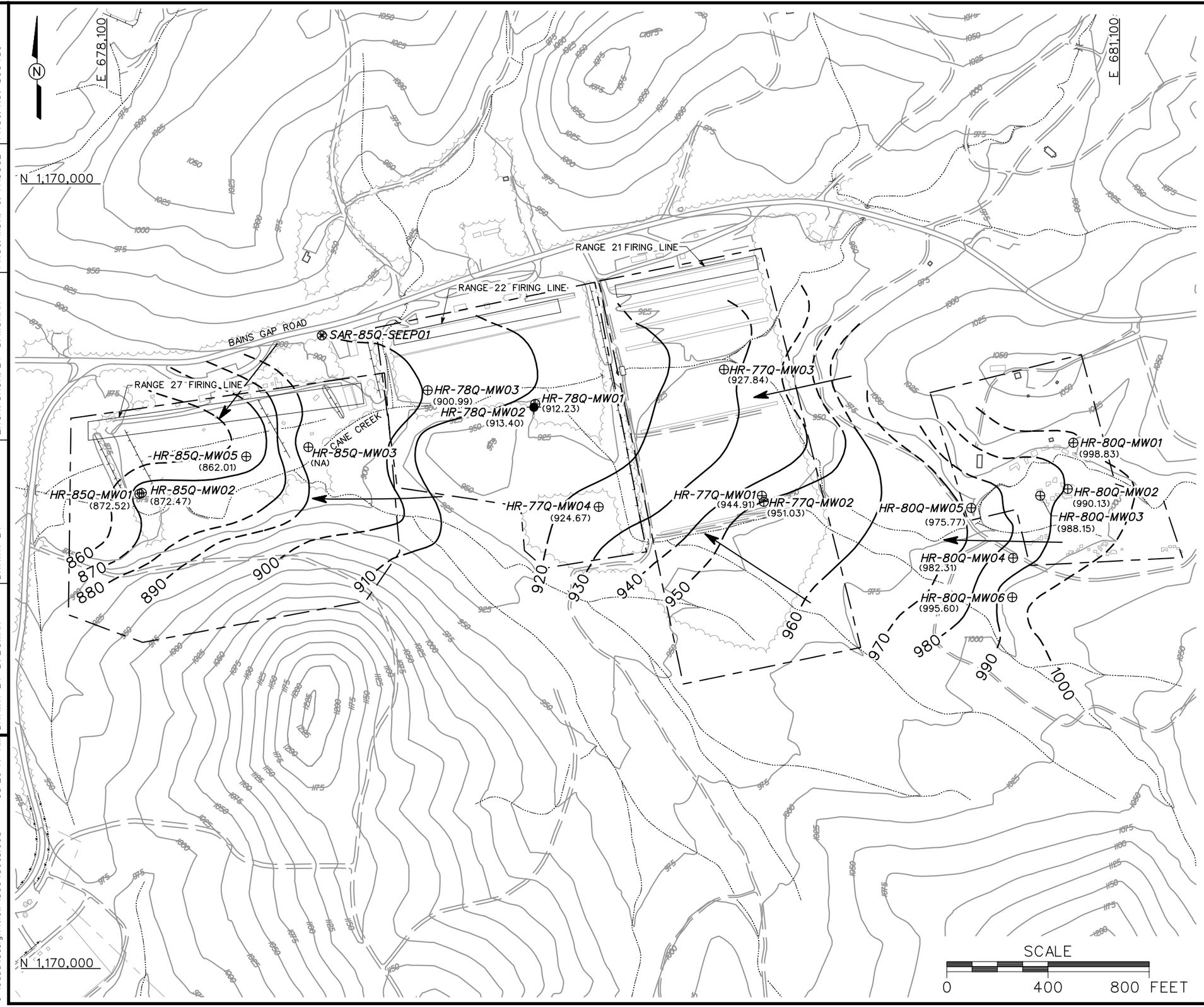

LEGEND

- UNIMPROVED ROADS AND PARKING
- PAVED ROADS AND PARKING
- BUILDING
- TOPOGRAPHIC CONTOURS (CONTOUR INTERVAL - 25 FOOT)
- 940 GROUNDWATER ELEVATION CONTOURS (DASHED WHERE INFERRED)
- (944.91) GROUNDWATER ELEVATION (FT AMSL) (JANUARY 2002)
- GROUNDWATER FLOW DIRECTION
- TREES / TREELINE
- STUDY AREA
- CULVERT WITH HEADWALL
- SURFACE DRAINAGE / CREEK
- MANMADE SURFACE DRAINAGE FEATURE
- BERM
- UTILITY POLE
- RESIDUUM MONITORING WELL LOCATION
- BEDROCK MONITORING WELL LOCATION
- SEEP WATER SAMPLE LOCATION
- (NA) NOT AVAILABLE

FIGURE 4-5
PIEZOMETRIC SURFACE MAP
BAINS GAP ROAD
PARCELS 77Q, 78Q, 80Q AND 85Q

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FORT McCLELLAN
CALHOUN COUNTY, ALABAMA
Contract No. DACA21-96-D-0018

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DWG. NO.: ...\800486es.068
PROJ. NO.: 800486
INITIATOR: D. ALLAN
PROJ. MGR.: J. YACOUB
DRAFT. CHCK. BY:
ENGR. CHCK. BY: S. MORAN
DATE LAST REV.:
DRAWN BY:
STARTING DATE: 08/14/02
DRAWN BY: D. BOMAR
08/22/02
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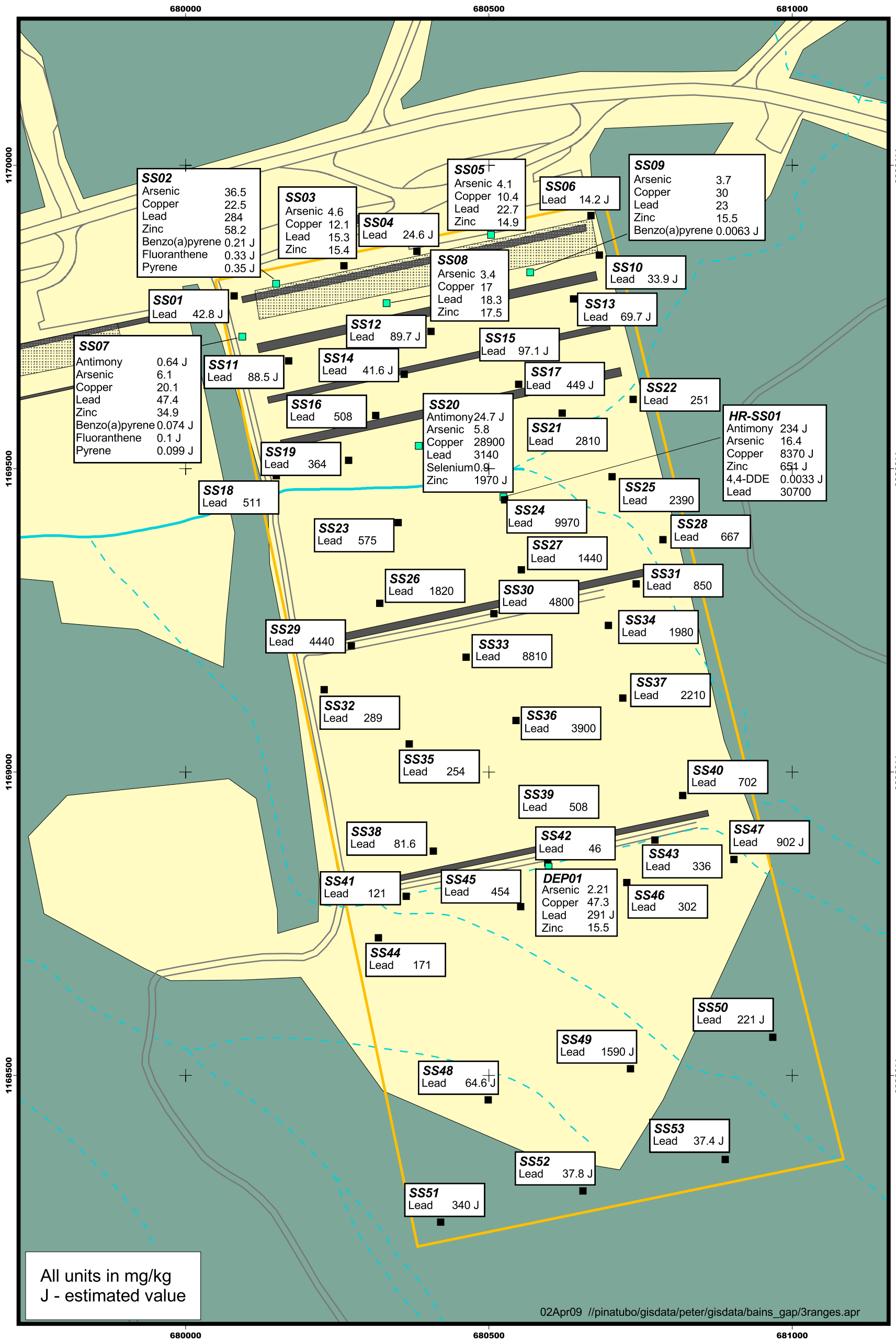

Figure 4-6 Surface Soil COPECs, Range 21, Parcel 77Q

- Surface Soil, Lead only
- Surface Soil - All Tests
- Streams / Intermittent
- Roads
- Firing Lines
- Concrete Slabs
- Wooded
- Not Wooded

0 150 300

State Plane feet, NAD83

N

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August 2002

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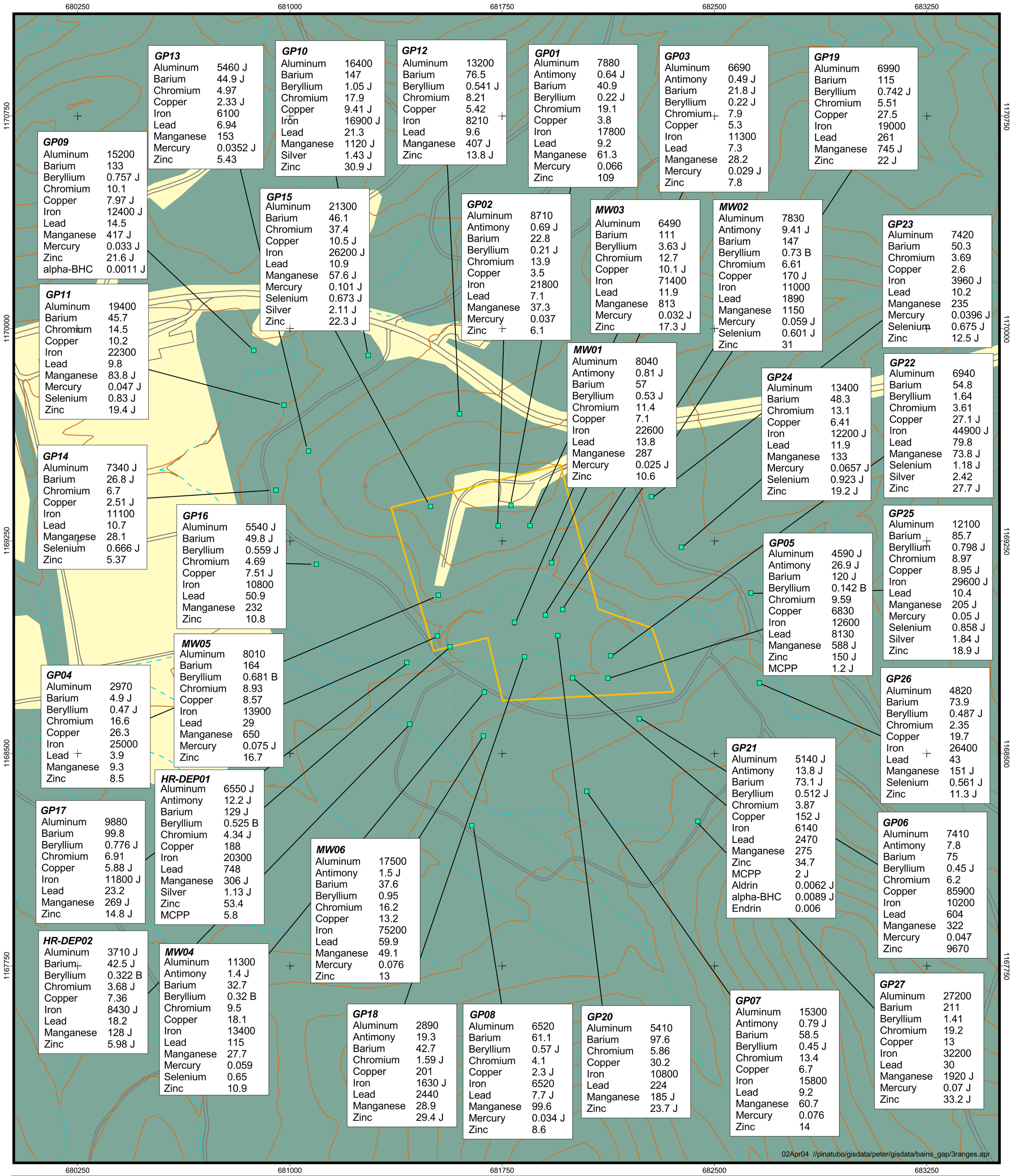

Figure 4-7 Surface Soil COPECs, Range 24 Upper, Parcel 80Q

Surface Soil - All Tests
Streams - Intermittent
Roads
Wooded
Not Wooded

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Calhoun County, Alabama
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N

August 2002

0 250 500
State Plane feet, NAD83

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All units in mg/kg
J - estimated value
B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit (and greater than zero).

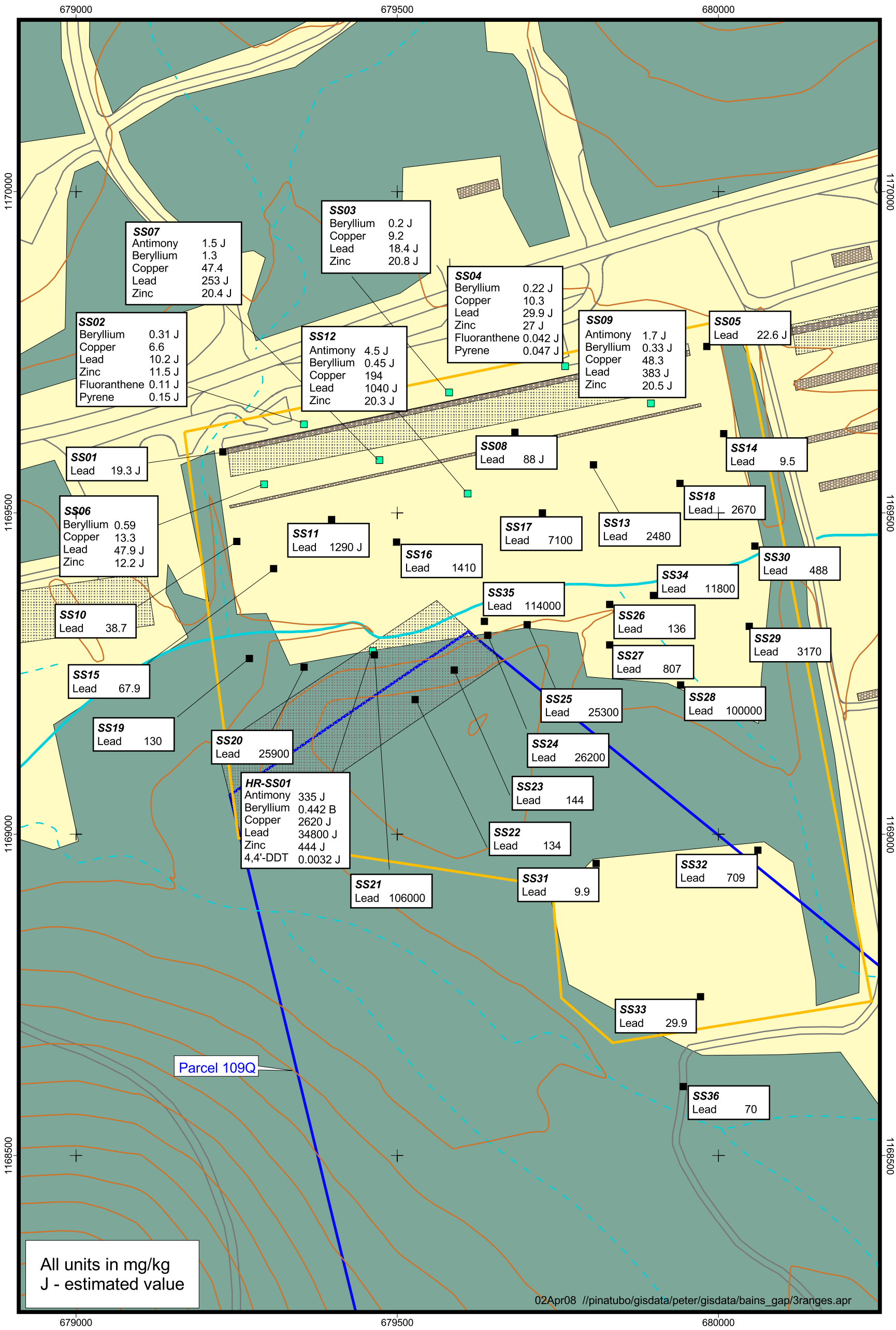

Figure 4-8 Surface Soil COPECs, Range 22, Parcel 78Q

- Surface Soil, Lead only
- Surface Soil - All Tests
- Streams / Intermittent
- Roads
- Firing Lines
- Concrete Slabs
- Wooded
- Not Wooded

0 150 300

State Plane feet, NAD83

N

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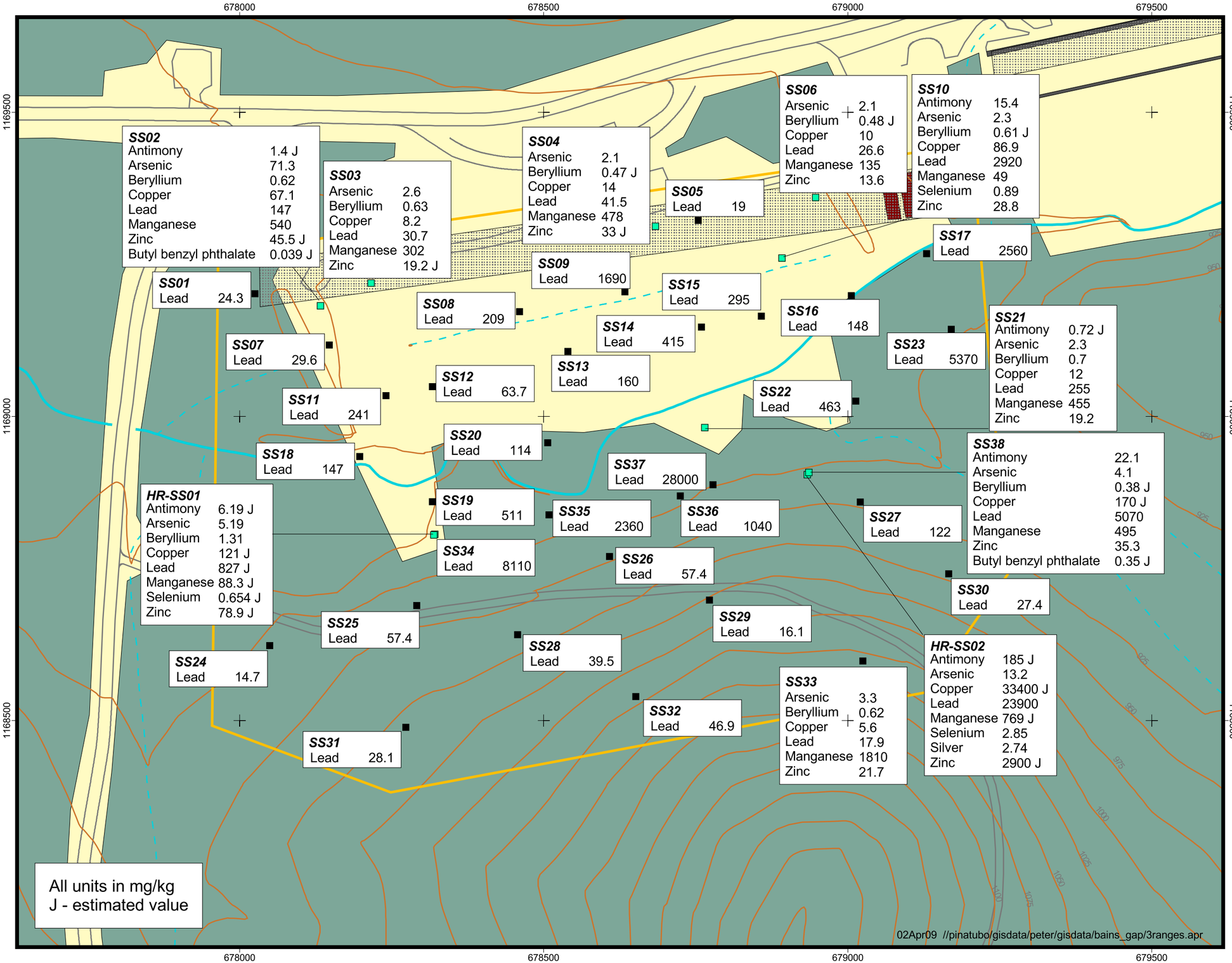

Figure 4-9

Surface Soil COPECs, Range 27, Parcel 85Q

Legend

- Surface Soil, Lead only
- Surface Soil - All Tests
- Streams - Intermittent
- Streams
- Roads
- Firing Lines
- Concrete Slabs
- Wooded
- Not Wooded

0 150 300

State Plane feet, NAD83

N

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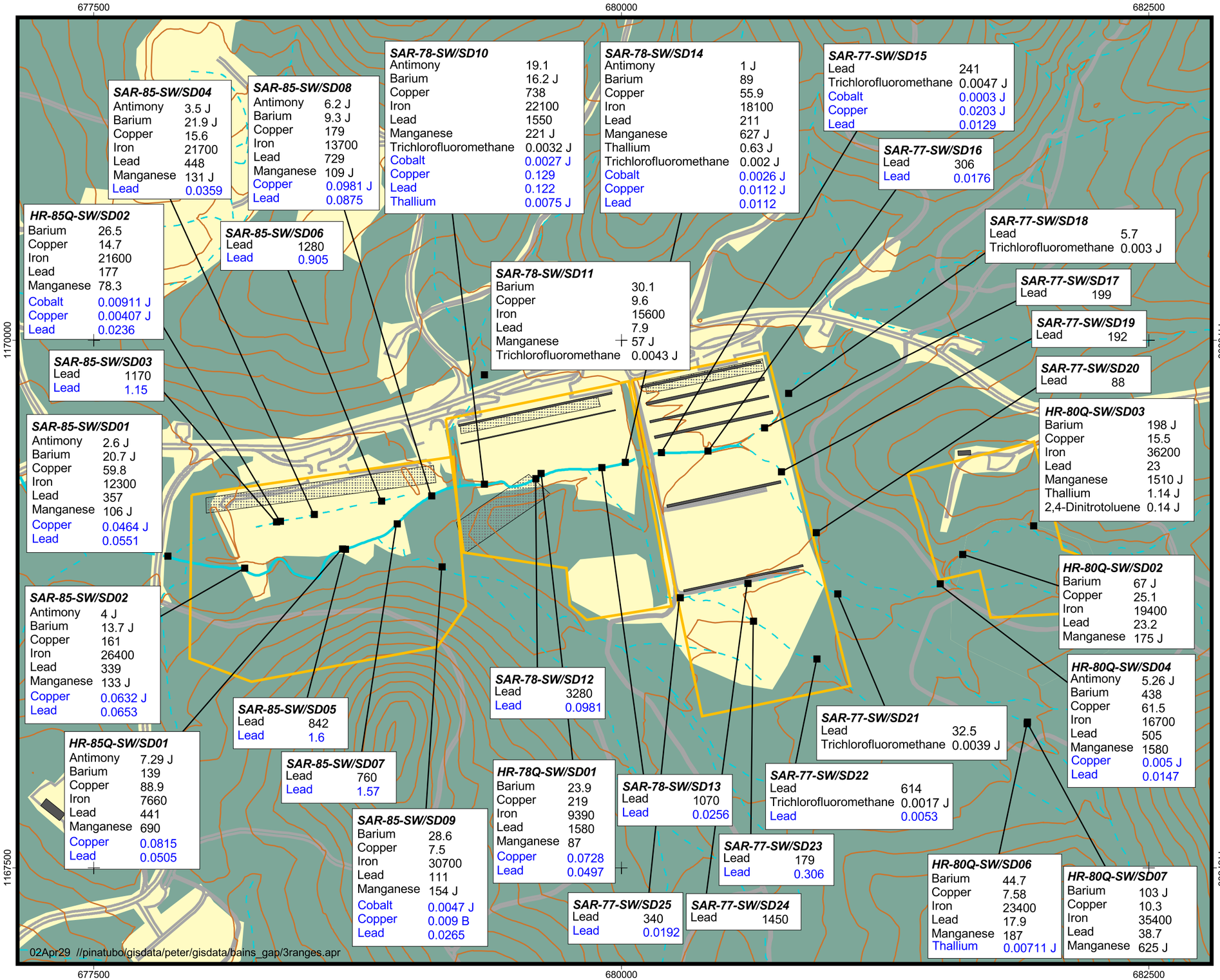

Figure 4-10

Surface Water/Sediment COPECs, Cane Creek and Tributaries

Legend

- Surface Water/Sediment Sample
- Streams - Intermittent
- Streams
- Roads
- Firing Lines
- Concrete Slabs
- Wooded
- Not Wooded

Sediment results in mg/kg
Surface Water results in mg/L
J - estimated value
B - Analyte detected in laboratory or field blank

Sediment results in black.
Surface Water results in blue.

N

August 2002

0 500 1000

State Plane feet, NAD83

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