Los Alamos
NATIONAL LABORATORY
EST. 1943

Environmental Programs
P.O. Box 1663, MS M991
Los Alamos, New Mexico 87545
(505) 606-2337/FAX (505) 665-1812

ENTERED

National Nuclear Security Administration
Los Alamos Site Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
(505) 667-4255/FAX (505) 606-2132

Date: JUN 0 9 2011
Refer To: EP2011-0213

John Kieling, Acting Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

JUN 2011

Subject: Submittal of the Replacement Figures and Plates for the Investigation Report for the Upper Los Alamos Canyon Aggregate Area, Revision 1

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the replacement figures and plates for the Investigation Report for the Upper Los Alamos Canyon Aggregate Area, Revision 1. Los Alamos National Laboratory (the Laboratory) recently discovered that sampling locations presented on some of the figures and plates in the report reflected the "as planned" locations rather than the "as collected" locations. In the case of solid waste management units (SWMUs) that impact drainages, it is common to determine sampling locations geomorphically in the field during sampling activities to ensure sediment or other environmental media that have the highest chance of being impacted by runoff from the site are collected. In the case of SWMUs 01-001(f) and 01-003(a), samples were collected in sediment deposits within the drainage and resurveyed following collection. However, in both cases, some of the figures presented in the investigation report still reflected the sampling locations as they were presented in the Investigation Work Plan for Upper Los Alamos Canyon Aggregate Area rather than the surveyed actual locations.

The conclusions presented in the investigation report for SWMUs 01-001(f) and 01-003(a) are not impacted by the incorrect locations presented on the figures and plates. Both sites were proposed for additional sampling because the lateral and vertical extent of all contaminants of potential concern had not been defined following initial investigation sampling. Proposed Phase II sampling activities include collecting samples from deeper depths at selected existing locations and from new locations farther downgradient of existing locations. In addition, removal actions are ongoing at SWMU 01-001(f) and are proposed at SWMU 01-003(a). These locations are identified in the field using the coordinates in the Environmental Restoration Database, which are correct, and not the figures in the investigation report or the Phase II Investigation Work Plan for Upper Los Alamos Canyon Aggregate Area. The Phase II investigation work plan also presents incorrect sampling location information in figures for SWMUs 01-001(f) and 01-003(a), and the Laboratory will provide replacement pages in a separate submittal.

The Laboratory regrets this error. If you have any questions, please contact Becky Coel-Roback at (505) 665-5011 (becky_cr@lanl.gov) or Cheryl Rodriguez at (505) 665-5330 (crodriguez2@doeal.gov).

Sincerely,

Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,

George J. Rael, Assistant Manager
Environmental Projects Office
Los Alamos Site Office

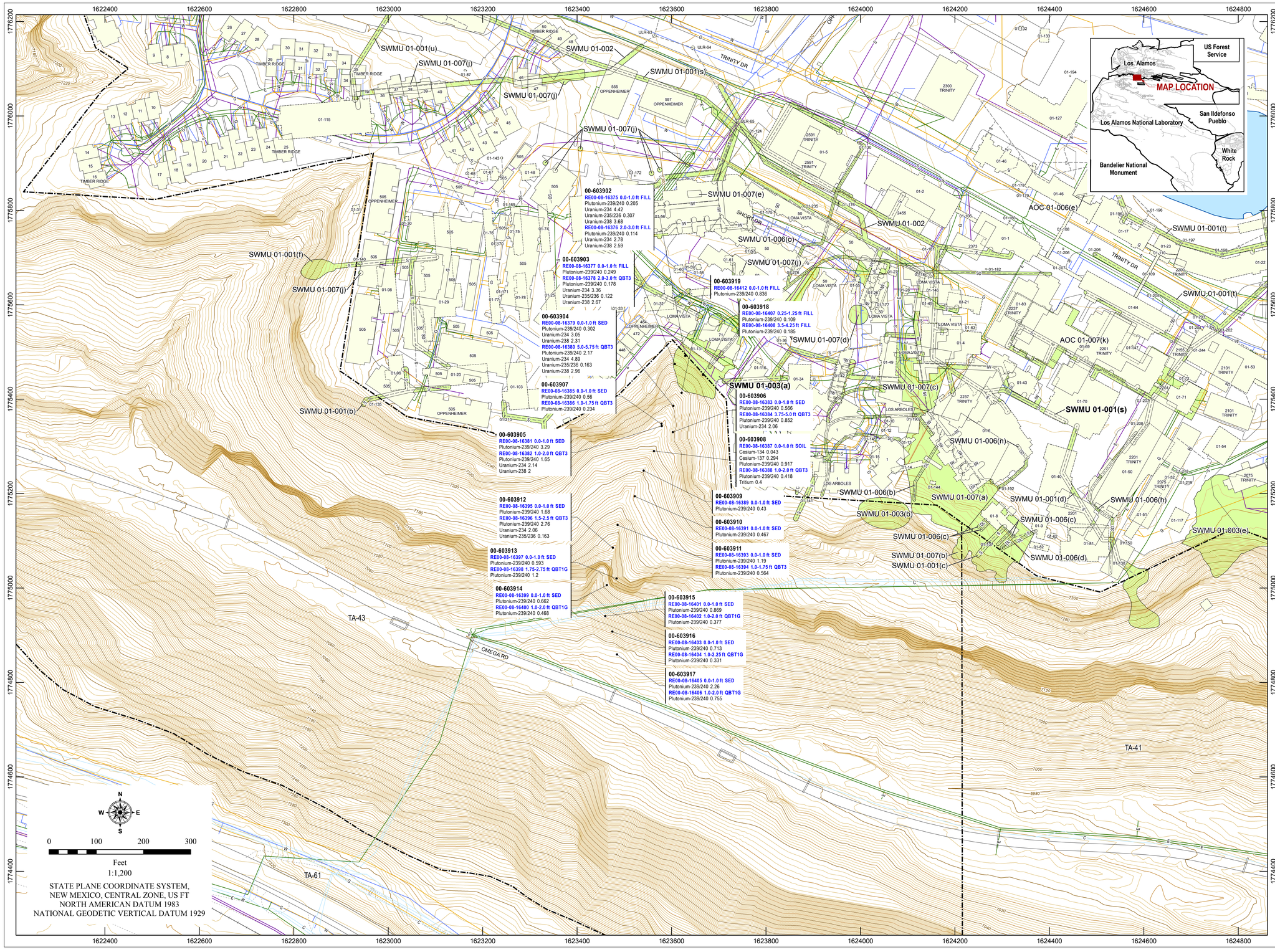
MG/GR/DM/BCR:sm

Enclosures: Two hard copies with electronic files – Replacement Figures and Plates for the Investigation Report for the Upper Los Alamos Canyon Aggregate Area, Revision 1 (LA-UR-10-0422)

Cy: (w/enc.)
Neil Weber, San Ildefonso Pueblo
Cheryl Rodriguez, DOE-LASO, MS A316
Becky Coel-Roback, EP-CAP, MS M992
RPF, MS M707 (electronic)
Public Reading Room, MS M992 (hard copy)

Cy: (Letter and CD and/or DVD)
Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB, MS M894
Dave Davenport, LATA, Los Alamos, NM (MS Word files on CD)
William Alexander, EP-BPS, MS M992

Cy: (w/o enc.)
Tom Skibitski, NMED-OB, Santa Fe, NM (date-stamped letter emailed)
Annette Russell, DOE-LASO (date-stamped letter emailed)
Dave McInroy, EP-CAP, MS M992 (date-stamped letter emailed)
Michael J. Graham, ADEP, MS M991 (date-stamped letter emailed)



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- 10-ft contour
- 2-ft contour

Utilities
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- Electric
- Gas
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Note: Concentration values are pCi/g

FEATURE DATA REFERENCES

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PLATE 6.15-4

RADIONUCLIDE COPCs DETECTED OR DETECTED ABOVE BVs/FVs AT SWMU 01-003(a)

LOS ALAMOS NATIONAL LABORATORY
ENVIRONMENTAL PROGRAMS DIRECTORATE
CORRECTIVE ACTIONS PROJECTS
Los Alamos, New Mexico 87545

Map ULA09-IR-18R2-RAD 20 August 2009 PLANNERER
Los Alamos Technical Associates (LATA-LAO)

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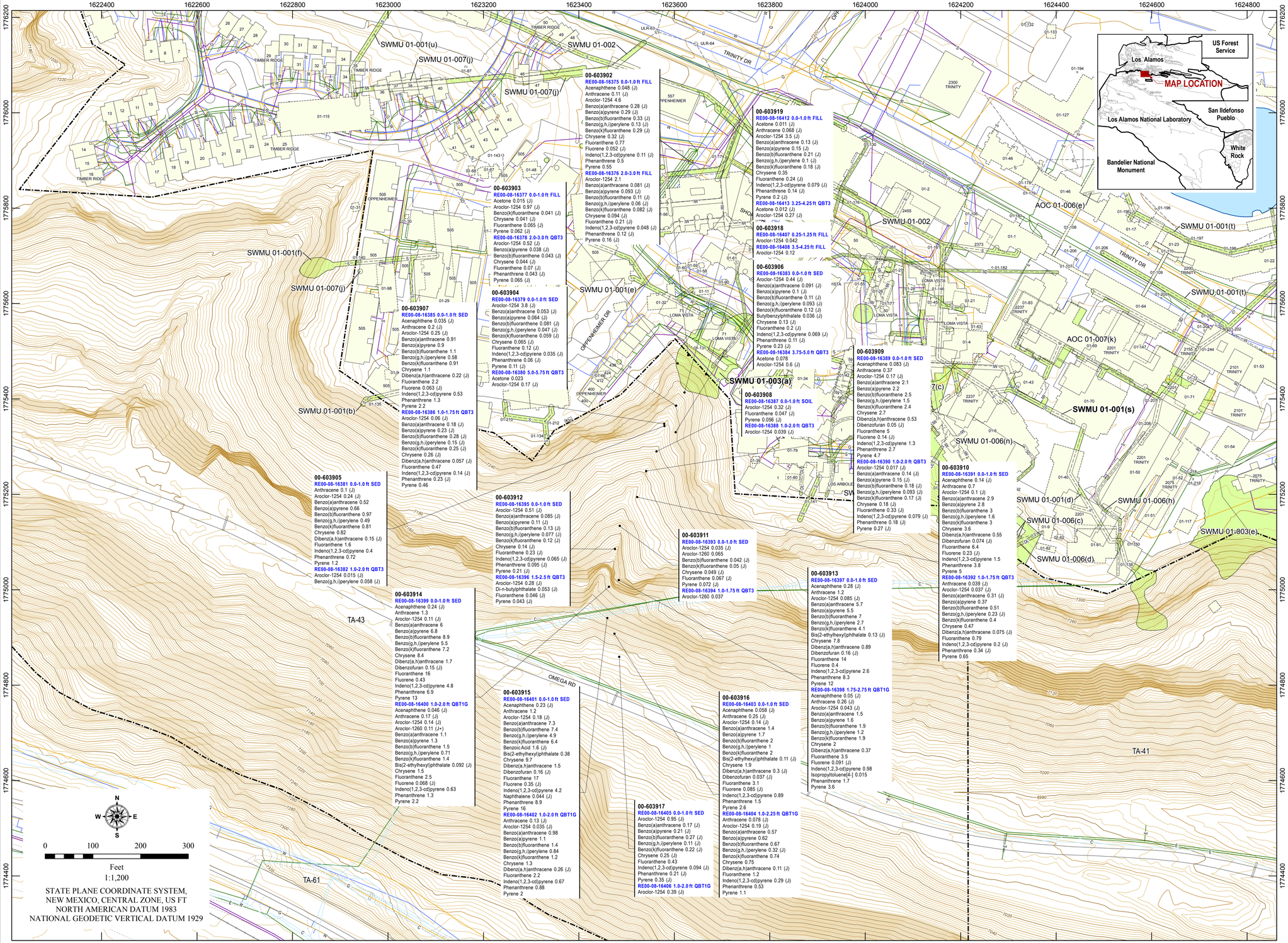

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Note: Concentration values are mg/kg

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PLATE 6.15-3

ORGANIC CHEMICALS DETECTED AT SWMU 01-003(a)

LOS ALAMOS NATIONAL LABORATORY
ENVIRONMENTAL PROGRAMS DIRECTORATE
CORRECTIVE ACTIONS PROJECTS
Los Alamos, New Mexico 87545

Map ULA09-IR-18R2-ORG 20 August 2009 PLANNERER
Los Alamos Technical Associates (LATA-LAO)

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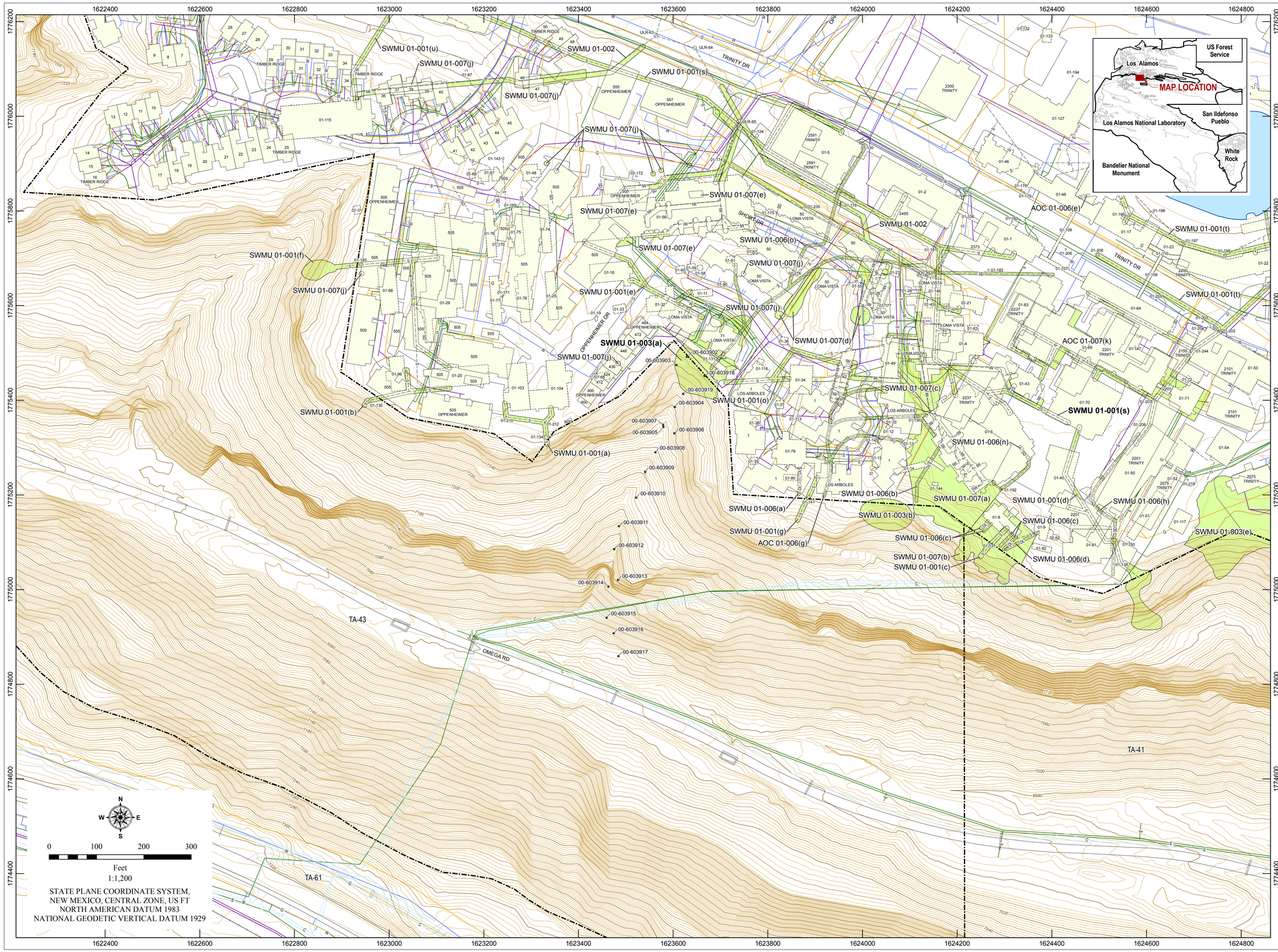

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PLATE 6.15-1

SWMU 01-003(a) SITE MAP AND SAMPLING LOCATIONS

LOS ALAMOS NATIONAL LABORATORY
ENVIRONMENTAL PROGRAMS DIRECTORATE
CORRECTIVE ACTIONS PROJECTS
Los Alamos, New Mexico 87545

Map ULA09-IR-18R2 20 August 2009 PLANNERER
Los Alamos Technical Associates (LATA-LAO)

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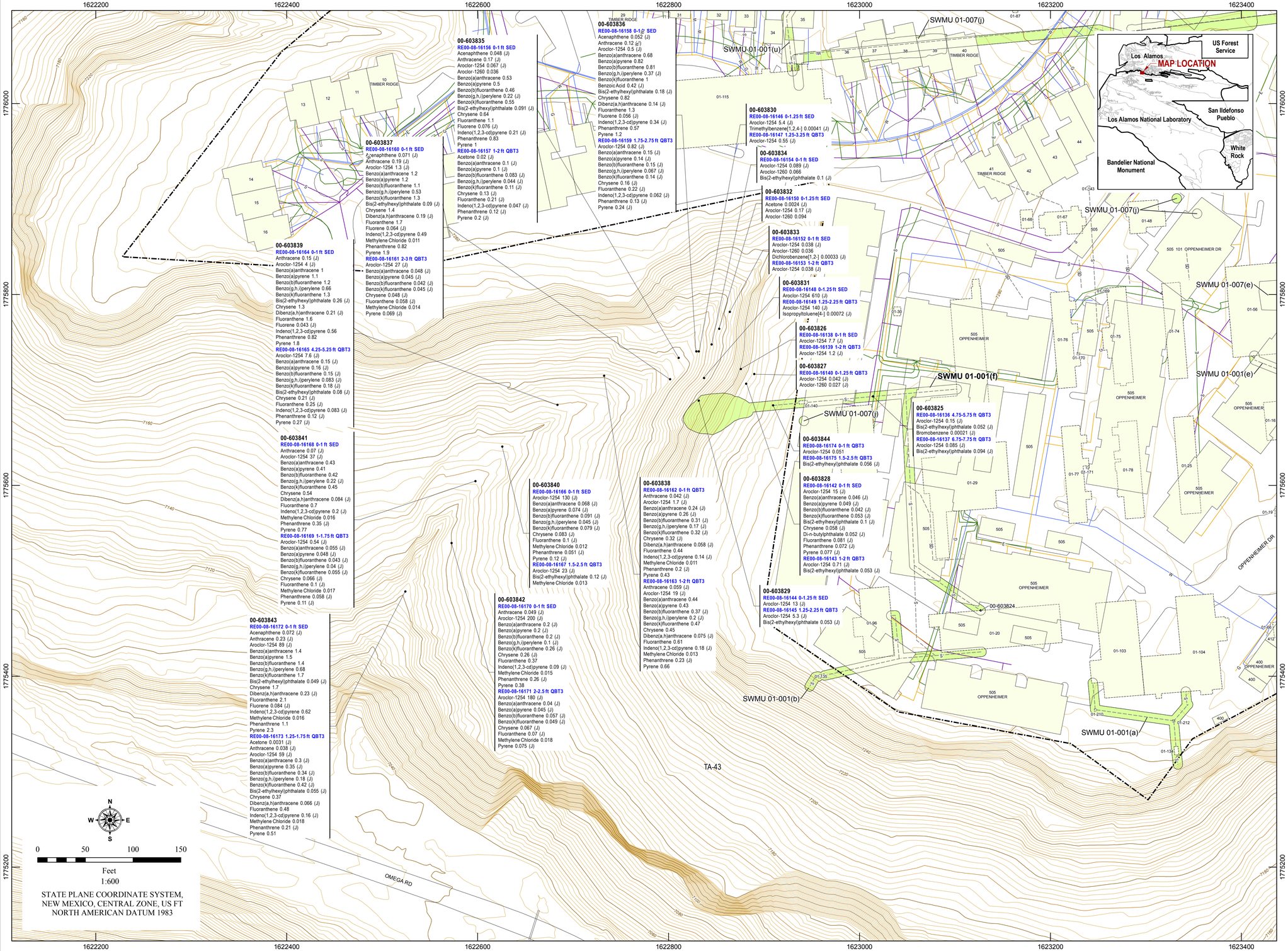

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PLATE 6.8-1

ORGANIC CHEMICALS DETECTED AT SWMU 01-001(f)

LOS ALAMOS NATIONAL LABORATORY
ENVIRONMENTAL PROGRAMS DIRECTORATE
CORRECTIVE ACTIONS PROJECTS
Los Alamos, New Mexico 87545

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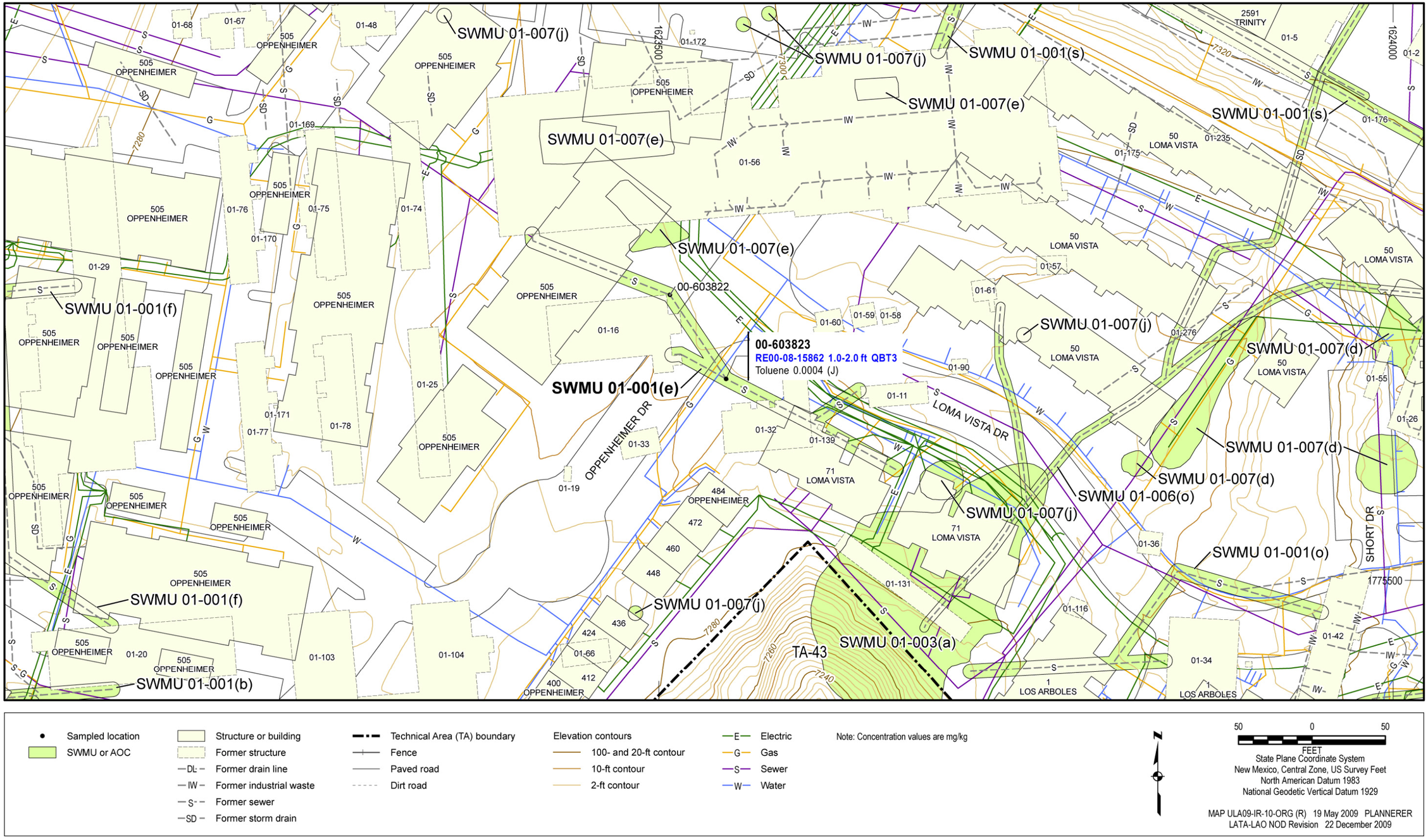

Figure 6.7-3 Organic COPCs detected at SWMU 01-001(e)

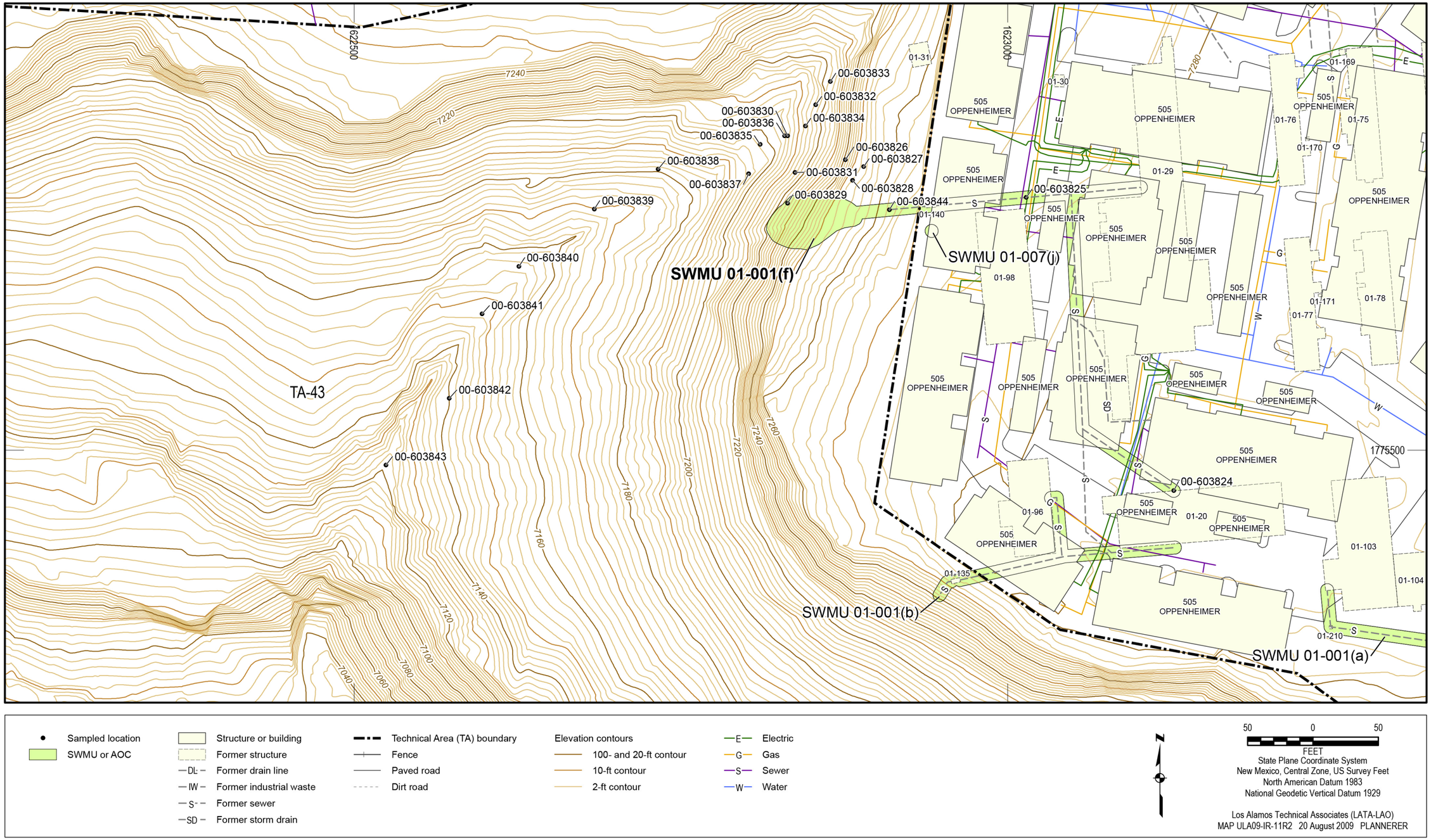

Figure 6.8-1 SWMU 01-001(f) site map and sampling locations

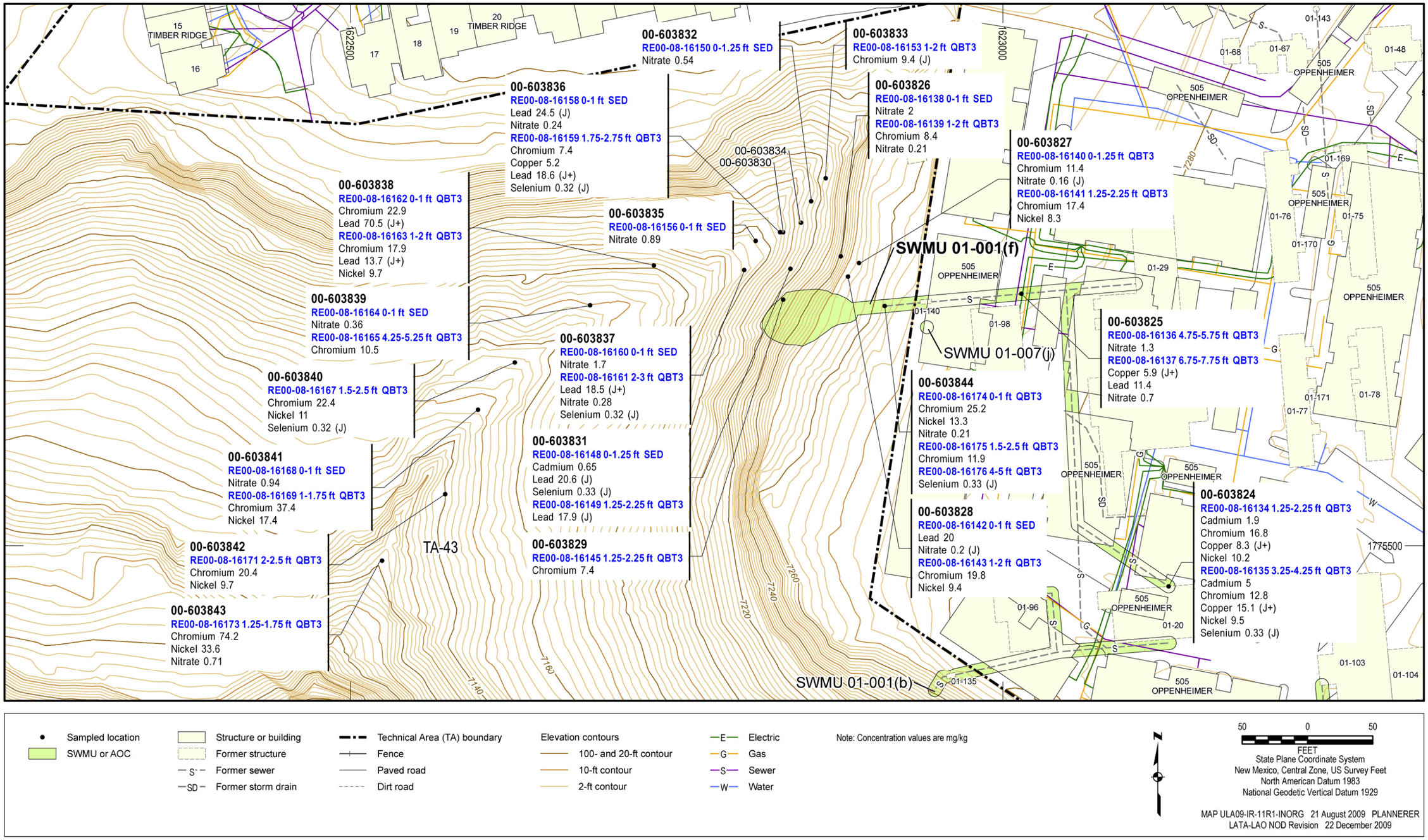

Figure 6.8-2 Inorganic COPCs detected or detected above BVs at SWMU 01-001(f)

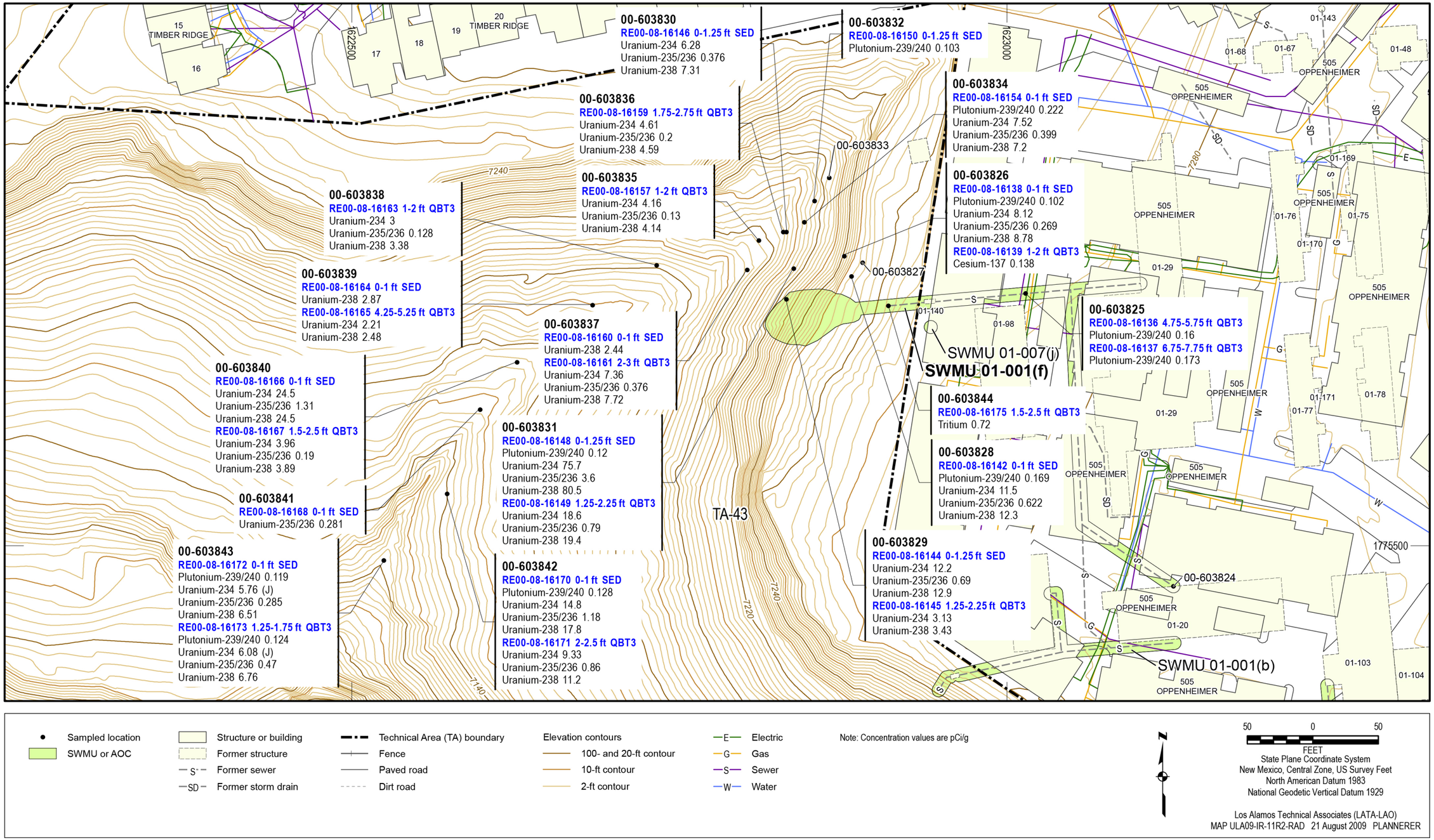

Figure 6.8-3 Radionuclide COPCs detected or detected above BVs/FVs at SWMU 01-001(f)