

10-01

10-01 (Former Radiochemistry Building)

Sampling Locations:
 ○ Borehole ▲ Four additional sample locations
 Former Structure:
 10-01 TA-10 building
 Sample Data:
 Location ID (2007 - red or underlined, historical - black or not underlined)
 RE10-07-5304 0.00-0.50 SOIL (sample ID, depth (ft), media)
 Copper 5.5 (J)
 Selenium 0.5 (J)
 Result Qualifiers:
 J = Estimated value
 J+ = Estimated value biased high
 J- = Estimated value biased low

Other:
 — TA-10 former road
 - - - Approximate area of elevated Sr-90 activity

Note: All analytical results reported in milligrams per kilogram (mg/kg) except as noted.
 A label containing only a location ID indicates that no analytes were detected at concentrations above background values or detection limits.
 QBOF is equivalent to QBO

10-01256
 AAB6565 3.90-4.60 QBOF
 Aluminum 4370 (J)
 Arsenic 1.1 (J)
 Barium 28.1 (J)
 Iron 6070
 Magnesium 841 (J)
 Manganese 221 (J+)
 Uranium 0.86
 AAB6547 28.50-29.00 QBOF
 Arsenic 0.94 (J)
 Barium 47.9
 Copper 4.3 (J)
 Iron 5050
 Magnesium 1140
 Nickel 4.5 (J)
 Uranium 7.12
 Vanadium 5.7 (J)
 AAB6552 38.00-35.80 QBOF
 Barium 30.2 (J)
 Uranium 3.84
 AAB8651 47.40-48.10 QBOF
 Antimony 11.9 (J+)
 Chromium 3.11
 Uranium 4.63

10-01257
 AAB6537 3.60-4.20 QBOF
 Aluminum 4430
 Arsenic 0.88 (J)
 Barium 31.1 (J)
 Chromium 5.1
 Iron 4780 (J-)
 Magnesium 775 (J)
 Nickel 4.5 (J)
 Strontium-90 340.02 pCi/g
 Uranium 0.93
 Vanadium 5.9 (J)
 AAB6551 20.00-20.80 QBOF
 Barium 44.5
 Chromium 2.9
 Magnesium 943 (J)
 Nickel 3.3 (J)
 Uranium 3.14
 AAB6546 38.40-29.40 QBOF
 Aluminum 3880 (J)
 Barium 45.7
 Chromium 3.4
 Magnesium 1060 (J)
 Nickel 3.5 (J)
 Selenium 0.24
 Uranium 2.79
 AAB6550 48.50-49.40 QBOF
 Chromium 2.7
 Nickel 2.2 (J)
 Uranium 5.01

10-01258
 AAB6526 3.10-4.00 QBOF
 Aluminum 4540 (J)
 Antimony 12.3 (J-)
 Arsenic 1.7 (J)
 Barium 52.8
 Chromium 3.5
 Iron 5490
 Magnesium 1020 (J)
 Manganese 268 (J+)
 Nickel 4.8 (J)
 Uranium 1.48 (J)
 Vanadium 7 (J)
 AAB6536 16.00-16.70 QBOF
 Arsenic 1.1 (J)
 Barium 70.7
 Copper 4.1 (J)
 Iron 4050
 Magnesium 976 (J)
 Manganese 199 (J+)
 Nickel 3.5 (J)
 Uranium 3.35 (J)
 Vanadium 2.97
 AAB6532 28.90-29.60 QBOF
 Barium 40.1 (J)
 Iron 3850
 Magnesium 795 (J)
 Uranium 3.23 (J)
 AAB6535 41.50-42.00 QBOF
 Uranium 2.89 (J)

10-01259
 AAB6512 2.80-3.70 SOIL
 Nickel 4.8 (J)
 Uranium 5.49 (J-)
 AAB6525 15.20-16.00 QBOF
 Arsenic 1.15 (J)
 Barium 94.4
 Chromium 4
 Copper 4.9 (J)
 Iron 5520
 Magnesium 1190
 Manganese 233
 Nickel 5.5 (J)
 Uranium 2.97
 Vanadium 7.8 (J)
 AAB6520 28.50-29.20 QBOF
 Uranium 3.4
 AAB6524 48.60-49.50 QBOF
 Antimony 14.9
 Barium 26.6 (J)
 Nickel 4.7 (J)
 Uranium 4.51

10-01255
 AAB6501 3.60-4.20 QBOF
 Uranium 6.37 (J+)
 AAB6511 20.00-20.40 QBOF
 Uranium 2.76 (J-)
 AAB6507 28.70-29.30 QBOF
 Uranium 2.76 (J-)
 AAB6510 48.70-49.40 QBOF
 Uranium 5.03 (J-)

10-01255
 AAB6501 3.60-4.20 QBOF
 Uranium 6.37 (J+)
 AAB6511 20.00-20.40 QBOF
 Uranium 2.76 (J-)
 AAB6507 28.70-29.30 QBOF
 Uranium 2.76 (J-)
 AAB6510 48.70-49.40 QBOF
 Uranium 5.03 (J-)

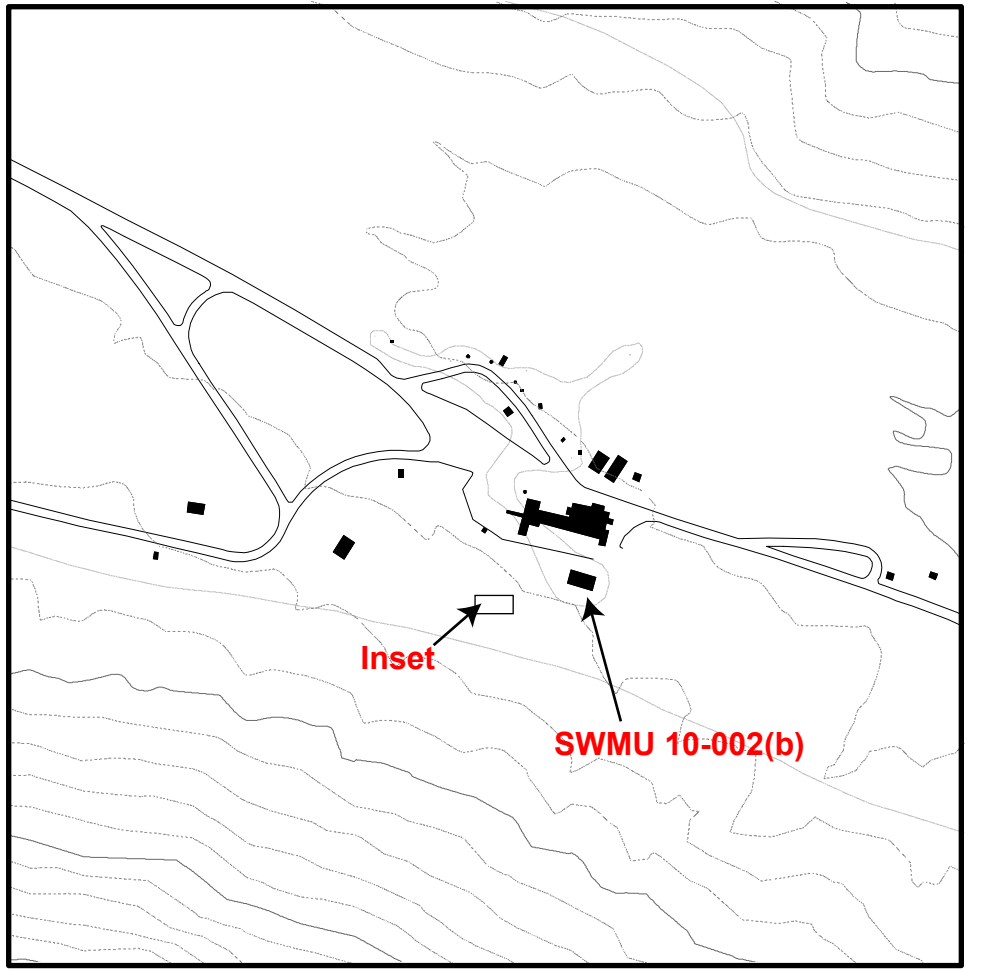
10-01257
 AAB6537 3.60-4.20 QBOF
 Aluminum 4430
 Arsenic 0.88 (J)
 Barium 31.1 (J)
 Chromium 5.1
 Iron 4780 (J-)
 Magnesium 775 (J)
 Nickel 4.5 (J)
 Strontium-90 340.02 pCi/g
 Uranium 0.93
 Vanadium 5.9 (J)
 AAB6551 20.00-20.80 QBOF
 Barium 44.5
 Chromium 2.9
 Magnesium 943 (J)
 Nickel 3.3 (J)
 Uranium 3.14
 AAB6546 38.40-29.40 QBOF
 Aluminum 3880 (J)
 Barium 45.7
 Chromium 3.4
 Magnesium 1060 (J)
 Nickel 3.5 (J)
 Selenium 0.24
 Uranium 2.79
 AAB6550 48.50-49.40 QBOF
 Chromium 2.7
 Nickel 2.2 (J)
 Uranium 5.01

10-01289
 AAB9224 3.30-4.10 QBOF
 Aluminum 4360 (J+)
 Arsenic 0.65 (J)
 Barium 45.7 (J)
 Cadmium 0.65 (J)
 Copper 57.5 (J)
 Iron 5670 (J)
 Magnesium 782 (J)
 Manganese 234 (J)
 Uranium 5.15
 Vanadium 6.2 (J)
 AAB9227 11.40-12.10 QBOF
 Aluminum 4660 (J+)
 Arsenic 0.69 (J)
 Barium 48.7 (J)
 Chromium 4.1 (J)
 Iron 7390 (J)
 Magnesium 1100 (J)
 Manganese 321 (J)
 Nickel 4.1 (J)
 Uranium 2.03
 Vanadium 6.9 (J)
 Zinc 49.6 (J)
 AAB9231 28.90-29.30 QBOF
 Aluminum 4460 (J+)
 Barium 41.4 (J)
 Chromium 2.8 (J)
 Iron 5350 (J)
 Magnesium 1220 (J)
 Nickel 2.8 (J)
 Uranium 3.46
 Vanadium 5.6 (J)
 AAB9234 48.50-49.40 QBOF
 Uranium 6.63

10-01286
 AAB8691 4.20-4.60 QBOF
 Arsenic 0.58 (J)
 Barium 34.6
 Iron 4630
 Manganese 214
 AAB8728 15.00-15.40 QBOF
 Aluminum 7560 (J+)
 Barium 84.5
 Chromium 7.9
 Copper 5.1
 Iron 8420
 Magnesium 1550
 Manganese 301
 Nickel 5.4
 Uranium 2.76
 Vanadium 9.3
 Zinc 43.9
 AAB8697 24.00-24.40 QBOF
 Barium 40.1
 Magnesium 752
 Nickel 2.1 (J)
 Uranium 1.51
 AAB8727 49.10-49.60 QBOF
 Uranium 1.62

10-01285
 AAB8685 22.50-23.50 QBOF
 Aluminum 3960 (J+)
 Barium 46
 Chromium 2.7
 Iron 4660
 Magnesium 924
 Nickel 2.5 (J)
 Vanadium 5.2
 AAB8680 29.00-29.50 QBOF
 Aluminum 4170 (J+)
 Barium 28.1
 Iron 5960
 Vanadium 4.8 (J)
 AAB8722 30.00-30.70 QBOF
 Barium 28.9
 Uranium 0.944

10-01290
 AAB8701 4.10-4.50 QBOF
 Barium 37.7
 Nickel 2.6 (J)
 Uranium 1.04
 AAB8714 15.00-15.40 QBOF
 Aluminum 6150
 Barium 64.9
 Chromium 3.7
 Copper 4.5
 Iron 7190
 Magnesium 1370
 Manganese 264
 Nickel 3.2 (J)
 Uranium 1.64
 Vanadium 7.9
 Zinc 40.4
 AAB8709 29.00-29.40 QBOF
 Barium 52.7
 Iron 4300
 Magnesium 1050
 Manganese 222
 Nickel 3 (J)
 Uranium 2.89
 AAB8712 48.00-48.50 QBOF
 Chromium 3.2
 Uranium 5.21
 Vanadium 5.5 (J)



Area of elevated Sr-90 activity, south of former Radiochemistry Building (10-01) and west southwest of former structure 10-48 (note scale change)

Large tuff boulder

10-603264
 RE10-06-9967 0.00-1.00 SOIL
 Cesium-137 3 pCi/g
 Perchlorate 0.000766 (J)
 Strontium-90 6.06 pCi/g
 RE10-06-9968 1.50-2.00 SOIL
 Strontium-90 0.221 pCi/g

10-603265
 RE10-06-9969 0.00-1.00 SOIL
 Cesium-137 0.302 pCi/g
 Mercury 0.219
 Strontium-90 0.531 pCi/g

10-603263
 RE10-06-9965 0.00-1.00 SOIL
 Cesium-137 4.48 pCi/g
 Strontium-90 15 pCi/g
 RE10-06-9966 1.50-2.00 SOIL
 Cesium-137 0.505 pCi/g
 Strontium-90 0.766 pCi/g

10-601172
 RE10-07-5576 26.20-28.20 QBO
 Barium 31.4
 Magnesium 777
 Molybdenum 0.25 (J)
 RE10-07-5575 58.00-60.00 QBOG
 Molybdenum 0.27 (J)

10-601173
 RE10-07-5588 32.00-34.00 QBO
 Barium 35.4
 Molybdenum 0.14 (J)
 RE10-07-5587 62.00-64.00 QBOG
 Barium 27.3
 Molybdenum 0.23 (J)

10-601171
 RE10-07-5579 61.50-63.50 QBOG
 Manganese 201 (J-)
 Molybdenum 0.28 (J)

10-601172
 RE10-07-5588 19.80-21.80 QAL
 Molybdenum 0.32 (J)

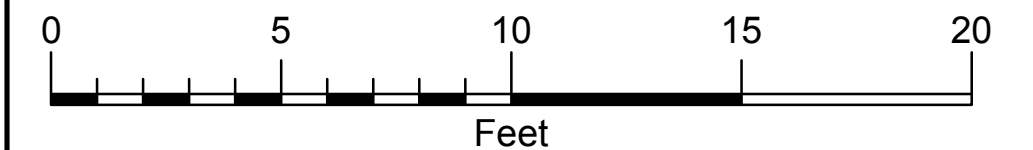
10-601173
 RE10-07-5579 61.50-63.50 QBOG
 Manganese 201 (J-)
 Molybdenum 0.28 (J)

10-01293
 AAB9235 2.50-3.80 SOIL
 Cadmium 0.92 (J)
 Copper 15.5
 AAB9247 10.00-10.80 QBOF
 Aluminum 4300 (J)
 Arsenic 0.76 (J)
 Barium 45.4
 Chromium 4.4
 Copper 6
 Iron 7130
 Magnesium 961 (J)
 Manganese 235 (J+)
 Nickel 7.5 (J+)
 Strontium-90 3.39 pCi/g (J-)
 Uranium 2.14 (J)
 Vanadium 6.5 (J)
 AAB9242 38.70-29.40 QBOF
 Barium 40.6 (J)
 Iron 4420
 Magnesium 953 (J)
 Nickel 5.4 (J+)
 Uranium 2.83 (J)
 AAB9246 48.60-49.60 QBOF
 Nickel 5.9 (J+)
 Strontium-90 3.19 pCi/g (J-)
 Uranium 8.59 (J)

10-01262
 AAB6668 2.70-3.30 SOIL
 Antimony 12.2 (J)
 Uranium 6.19
 AAB6679 15.00-15.80 QBOF
 Aluminum 3840 (J-)
 Antimony 18.8
 Arsenic 13 (J)
 Barium 90.5
 Chromium 4.1
 Copper 10.1
 Iron 6880
 Magnesium 1510
 Manganese 304
 Uranium 5.65
 Vanadium 10.4 (J)
 AAB6674 29.50-29.80 QBOF
 Arsenic 1.2 (J)
 Barium 59.9
 Copper 4.8 (J)
 Iron 5400
 Magnesium 1200 (J)
 Manganese 196
 Nickel 5.1 (J)
 Uranium 4.14
 Vanadium 7.3 (J)
 AAB6678 47.30-48.30 QBOF
 Chromium 3.2
 Strontium-90 0.65 pCi/g

10-01282
 AAB9429 4.20-5.00 QBOF
 Arsenic 0.92 (J)
 Barium 56.3
 Chromium 3.3
 Copper 5.2
 Iron 6230
 Magnesium 857 (J)
 Manganese 332 (J+)
 Nickel 6 (J+)
 Uranium 1.99 (J)
 Vanadium 6.4 (J)
 AAB9432 22.50-23.50 QBOF
 Arsenic 0.6 (J)
 Barium 53.4
 Chromium 4.6
 Iron 3950
 Magnesium 875 (J)
 Nickel 2.7 (J)
 Uranium 3.43
 AAB9438 48.20-47.00 QBOF
 Uranium 6.07

10-01288
 AAB9429 4.20-5.00 QBOF
 Arsenic 0.92 (J)
 Barium 56.3
 Chromium 3.3
 Copper 5.2
 Iron 6230
 Magnesium 857 (J)
 Manganese 332 (J+)
 Nickel 6 (J+)
 Uranium 1.99 (J)
 Vanadium 6.4 (J)
 AAB9432 22.50-23.50 QBOF
 Arsenic 0.6 (J)
 Barium 53.4
 Chromium 4.6
 Iron 3950
 Magnesium 875 (J)
 Nickel 2.7 (J)
 Uranium 3.43
 AAB9438 48.20-47.00 QBOF
 Uranium 6.07



New Mexico State Plane Coordinates - Central Zone FT,
 North American Datum 1983, NAD83 1929
 Contour Interval 20 Foot

Plate 6, Consolidated Unit
10-002(a)-99, SWMU 10-002(b)
 inorganic chemical concentrations
 and radionuclides detected above
 background or fallout values