C003-SS003-2448-01 *(24 - 48)*
AC-228 - 0.988 pCi/g
BI-212 - 2.51 pCi/g
BI-214 - 13.2 pCi/g
CESIUM-137 - ND
K-40 - 14.6 pCi/g
PB-210 - 13.5 pCi/g
PB-212 - 0.948 pCi/g
PB-214 - 15.3 pCi/g
RADIUM-226 - 19.1 pCi/g
RADIUM-228 - 0.988 pCi/g
THORIUM-228 - 0.77 pCi/g
THORIUM-230 - 8.96 pCi/g
THORIUM-232 - 0.726 pCi/g
TL-208 - 0.355 pCi/g
URANIUM-233/234 - 0.576 pCi/g
URANIUM-235/236 - ND
URANIUM-238 - 0.508 pCi/g

Background
S07 *(12 - 24)*
Uranium-238 - 0.462 pCi/g
Thorium-230 - 0.407 pCi/g
Uranium-233/234 - 0.374 pCi/g
Radium-226 - 0.894 pCi/g
Thorium-232 - 0.508 pCi/g
Radium-228 - 0.843 pCi/g
Thorium-228 - 0.430 pCi/g
Uranium-235/236 0.0620 U pCi/g

Background
C004-SS001-1824-01 *(18 - 24)*
AC-228 - 1.19 pCi/g
BI-214 - 1.31 pCi/g
CESIUM-137 - 0.227 pCi/g
K-40 - 12.4 pCi/g
PB-212 - 0.904 pCi/g
PB-214 - 1.31 pCi/g
RADIUM-226 - 3.51 pCi/g
RADIUM-228 - 1.19 pCi/g
THORIUM-228 - 0.645 pCi/g
THORIUM-230 - 0.768 pCi/g
THORIUM-232 - 0.853 pCi/g
TI-208 - 0.198 pCi/g
URANIUM-233/234 - 0.575 pCi/g
URANIUM-235/236 - 0.0338 pCi/g
URANIUM-238 - 0.504 pCi/g

C003-SS001-2448-01 *(24 - 48)*
AC-228 - 0.972 pCi/g
BI-214 - 9.78 pCi/g
CESIUM-137 - ND
K-40 - 14.1 pCi/g
PB-210 - 7.7 pCi/g
PB-212 - 0.831 pCi/g
PB-214 - 9.63 pCi/g
RADIUM-226 - 16.2 pCi/g
RADIUM-228 - 0.972 pCi/g
THORIUM-228 - 0.822 pCi/g
THORIUM-230 - 5.23 pCi/g
THORIUM-232 - 0.705 pCi/g
TL-208 - 0.355 pCi/g
URANIUM-233/234 - 0.559 pCi/g
URANIUM-235/236 - ND
URANIUM-238 - 0.459 pCi/g

C003-SS001-2448-02 *(24 - 48)*
AC-228 - 0.596 pCi/g
BI-214 - 11.2 pCi/g
CESIUM-137 - ND
K-40 - 13.5 pCi/g
PB-210 - 6.32 pCi/g
PB-212 - 0.533 pCi/g
PB-214 - 12.1 pCi/g
RADIUM-226 - 15.6 pCi/g
RADIUM-228 - 0.596 pCi/g
THORIUM-228 - 0.726 pCi/g
THORIUM-230 - 5.29 pCi/g
THORIUM-232 - 0.67 pCi/g
TL-208 - 0.466 pCi/g
URANIUM-233/234 - 0.436 pCi/g
URANIUM-235/236 - ND
URANIUM-238 - 0.493 pCi/g

C002-TRENCH-0036-01 *(0 - 36)*
AC-228 - 0.763 pCi/g
BI-214 - 10.4 pCi/g
CESIUM-137 - ND
K-40 - 10.8 pCi/g
PB-210 - 11.6 pCi/g
PB-212 - 0.734 pCi/g
PB-214 - 10.8 pCi/g
RADIUM-226 - 14.8 pCi/g
RADIUM-228 - 0.763 pCi/g
THORIUM-228 - 0.619 pCi/g
THORIUM-230 - 14.8 pCi/g
THORIUM-232 - 0.79 pCi/g
TL-208 - 0.35 pCi/g
URANIUM-233/234 - 3.26 pCi/g
URANIUM-235/236 - 0.307 pCi/g
URANIUM-238 - 1.83 pCi/g

S01 *(24 - 36)*
Uranium-238 - 0.380 pCi/g
Thorium-230 - 0.999 pCi/g
Uranium-233/234 - 0.428 pCi/g
Radium-226 - 22.0 pCi/g
Thorium-232 - 0.557 pCi/g
Radium-228 - 1.05 pCi/g
Thorium-228 - 0.626 pCi/g
Uranium-235/236 - 0.000 U pCi/g

S05 *(0 - 12)*
Uranium-238 - 0.429 pCi/g
Thorium-230 - 1.81 pCi/g
Uranium-233/234 - 0.606 pCi/g
Radium-226 - 109 pCi/g
Thorium-232 - 0.605 pCi/g
Radium-228 - 1.79 pCi/g
Thorium-228 - 0.589 pCi/g
Uranium-235/236 - 0.0178 U pCi/g

C001-SS001-0012-01 *(0 - 12)*
AC-228 - 0.735 pCi/g
BI-214 - 2.33 pCi/g
CESIUM-137 - ND
K-40 - 12.6 pCi/g
PB-210 - 4.17 pCi/g
PB-212 - 0.57 pCi/g
PB-214 - 2.37 pCi/g
RADIUM-226 - 6.83 pCi/g
RADIUM-228 - 0.735 pCi/g
THORIUM-228 - 0.738 pCi/g
THORIUM-230 - 2.08 pCi/g
THORIUM-232 - 0.847 pCi/g
TL-208 - 0.213 pCi/g
URANIUM-233/234 - 0.474 pCi/g
URANIUM-235/236 - ND
URANIUM-238 - 0.505 pCi/g

C001-SS001-0012-02 *(0 - 12)*
AC-228 - 1.21 pCi/g
BI-214 - 2.49 pCi/g
CESIUM-137 - ND
K-40 - 10.3 pCi/g
PB-210 - 3.6 pCi/g
PB-212 - 1.26 pCi/g
PB-214 - 2.96 pCi/g
RADIUM-226 - 5.75 pCi/g
RADIUM-228 - 1.21 pCi/g
THORIUM-228 - 1.01 pCi/g
THORIUM-230 - 2.53 pCi/g
THORIUM-232 - 0.888 pCi/g
TL-208 - 0.39 pCi/g
URANIUM-233/234 - 0.446 pCi/g
URANIUM-235/236 - ND
URANIUM-238 - 0.569 pCi/g

C002-SS002-2448-01 *(24 - 48)*
AC-228 - 1.15 pCi/g
BI-214 - 1.5 pCi/g
CESIUM-137 - ND
K-40 - 14.3 pCi/g
PB-212 - 0.798 pCi/g
PB-214 - 1.74 pCi/g
RADIUM-226 - 3.52 pCi/g
RADIUM-228 - 1.15 pCi/g
THORIUM-228 - 0.986 pCi/g
THORIUM-230 - 1.63 pCi/g
THORIUM-232 - 0.662 pCi/g
TL-208 - 0.279 pCi/g
URANIUM-233/234 - 0.434 pCi/g
URANIUM-235/236 - ND
URANIUM-238 - 0.431 pCi/g

Background
S08 *(24 - 36)*
Uranium-238 - 0.417 pCi/g
Thorium-230 - 0.575 pCi/g
Uranium-233/234 - 0.299 pCi/g
Radium-226 - 3.44 pCi/g
Thorium-232 - 0.547 pCi/g
Radium-228 - 1.35 pCi/g
Thorium-228 - 0.567 pCi/g
Uranium-235/236 - 0.0254 U pCi/g

S02 *(0 - 12)*
Uranium-238 - 0.849 pCi/g
Thorium-230 - 64.6 pCi/g
Uranium-233/234 - 0.781 pCi/g
Radium-226 - 135 pCi/g
Thorium-232 - 0.842 pCi/g
Radium-228 - 1.17 U pCi/g
Thorium-228 - 1.07 pCi/g
Uranium-235/236 - 0.0741 pCi/g

C003-SS002-0024-01 *(0 - 24)*
BI-212 - 15.4 pCi/g
BI-214 - 120 pCi/g
CESIUM-137 - ND
K-40 - 18.1 pCi/g
PB-210 - 99.7 pCi/g
PB-214 - 129 pCi/g
RADIUM-226 - 165 pCi/g
RADIUM-228 - ND
THORIUM-228 - 1 pCi/g
THORIUM-230 - 42 pCi/g
THORIUM-232 - 0.955 pCi/g
URANIUM-233/234 - 1.62 pCi/g
URANIUM-235/236 - ND
URANIUM-238 - 1.55 pCi/g

C002-SS001-2448-01 *(24 - 48)*
AC-228 - 1.23 pCi/g
BI-214 - 1.92 pCi/g
CESIUM-137 - ND
K-40 - 12.3 pCi/g
PB-212 - 1.04 pCi/g
PB-214 - 2.03 pCi/g
RADIUM-226 - 3.83 pCi/g
RADIUM-228 - 1.23 pCi/g
THORIUM-228 - 1.04 pCi/g
THORIUM-230 - 0.787 pCi/g
THORIUM-232 - 1.14 pCi/g
TL-208 - 0.437 pCi/g
URANIUM-233/234 - 0.71 pCi/g
URANIUM-235/236 - ND
URANIUM-238 - 0.604 pCi/g

S03 *(0 - 12)*
Uranium-238 - 0.749 pCi/g
Thorium-230 - 58.1 pCi/g
Uranium-233/234 - 0.769 pCi/g
Radium-226 - 129 pCi/g
Thorium-232 - 0.766 pCi/g
Radium-228 - 0.946 U pCi/g
Thorium-228 - 0.884 pCi/g
Uranium-235/236 - 0.0704 pCi/g

S04 *(36 - 48)*
Uranium-238 - 0.327 pCi/g
Thorium-230 - 4.63 pCi/g
Uranium-233/234 - 0.383 pCi/g
Radium-226 - 14.0 pCi/g
Thorium-232 - 0.879 pCi/g
Radium-228 - 0.975 pCi/g
Thorium-228 - 0.850 pCi/g
Uranium-235/236 - 0.0316 U pCi/g

S09 (Duplicate) *(36 - 48)*
Uranium-238 - 0.516 pCi/g
Thorium-230 - 5.82 pCi/g
Uranium-233/234 - 0.356 pCi/g
Radium-226 - 15.4 pCi/g
Thorium-232 - 0.624 pCi/g
Radium-228 - 1.25 pCi/g
Thorium-228 - 0.808 pCi/g
Uranium-235/236 - 0.0415 U pCi/g

S06 *(0 - 12)*
Uranium-238 - 0.773 pCi/g
Thorium-230 - 83.3 pCi/g
Uranium-233/234 - 0.702 pCi/g
Radium-226 - 109 pCi/g
Thorium-232 - 0.739 pCi/g
Radium-228 - 0.710 U pCi/g
Thorium-228 - 0.794 pCi/g
Uranium-235/236 - 0.00539 U pCi/g

C001-SS003-0012-01 *(0 - 12)*
AC-228 - 0.378 pCi/g
BI-214 - 0.758 pCi/g
CESIUM-137 - ND
K-40 - 9.55 pCi/g
PB-212 - 0.683 pCi/g
PB-214 - 0.81 pCi/g
RADIUM-226 - 1.38 pCi/g
RADIUM-228 - 0.378 pCi/g
THORIUM-228 - 0.748 pCi/g
THORIUM-230 - 0.697 pCi/g
THORIUM-232 - 0.685 pCi/g
TL-208 - 0.151 pCi/g
URANIUM-233/234 - 0.404 pCi/g
URANIUM-235/236 - ND
URANIUM-238 - 0.374 pCi/g

C001-SS002-0012-01 *(0 - 12)*
AC-228 - 0.492 pCi/g
BI-214 - 0.875 pCi/g
CESIUM-137 - ND
K-40 - 7.34 pCi/g
PB-212 - 0.478 pCi/g
PB-214 - 0.916 pCi/g
RADIUM-226 - 2.45 pCi/g
RADIUM-228 - 0.492 pCi/g
THORIUM-228 - 0.552 pCi/g
THORIUM-230 - 0.728 pCi/g
THORIUM-232 - 0.625 pCi/g
TL-208 - 0.182 pCi/g
URANIUM-233/234 - 0.471 pCi/g
URANIUM-235/236 - 0.0553 pCi/g
URANIUM-238 - 0.512 pCi/g

C002-SS003-2448-01 *(24 - 48)*
AC-228 - 0.622 pCi/g
BI-214 - 9.04 pCi/g
CESIUM-137 - ND
K-40 - 14.2 pCi/g
PB-210 - 8.64 pCi/g
PB-212 - 0.571 pCi/g
PB-214 - 9.6 pCi/g
RADIUM-226 - 8.12 pCi/g
RADIUM-228 - 0.622 pCi/g
THORIUM-228 - 0.749 pCi/g
THORIUM-230 - 20.4 pCi/g
THORIUM-232 - 0.611 pCi/g
TL-208 - 0.22 pCi/g
URANIUM-233/234 - 0.988 pCi/g
URANIUM-235/236 - 0.0594 pCi/g
URANIUM-238 - 0.986 pCi/g

SCALE

1:1,581

LEGEND

RST 3 Sample Location

SAT Sample Location

Notes:
1.) All results presented in picocuries per gram (pCi/g).
2.) Depth of sample collection is presented in parenthesis next to sample number.
3.) ND = Non-Detect

Figure 6: Soil Analytical Results Map

Canadian Uranium Radiological Site
Mount Kisco, New York

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

Weston Solutions, Inc.

In Association With
Scientific and Environmental Associates, Inc., Environmental Compliance Consultants, Inc., Avatar Environmental, LLC, On-Site Environmental, Inc., and Sovereign Consulting, Inc.

GIS ANALYST:	T. BENTON
EPA OSC:	E. DALY
RST 3 SPM:	B. NWOSU
FILENAME:	150929_SampleLocationMap.mxd
FIGURE	6
REVISION	0
DATE MODIFIED	10/5/2015

WESTON SOLUTIONS