



Legend

Gamma Survey Soil Boring Location

● 0 - 13

● 13 - 26

● >26

*Gamma Survey – Results presented in
microrentgens per hour (μR/hr)*



Weston Solutions, Inc.
East Division

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

Figure 4: Phase 2 Gamma Screen

Canadian Radium & Uranium Corp Site
Mount Kisco, New York

U.S. ENVIRONMENTAL PROTECTION AGENCY

REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

DATE ANALYST: P. Lisichenko

EPA OSC: D. Gaughan

RST SPM: B. Nwosu

FILENAME: 160525_CR_GammaSurvey.mxd



Legend
Gamma Survey (kepm)
0 - 20
20 - 40 (2X)
40 - 60 (3X)
60 - 80 (4X)
> 80
Areas of Concern

Notes:
*Gamma survey conducted using a Ludlum-2241 scaler ratemeter with a sodium iodide 3x3 scintillator.
*Gamma measurements presented in kilo counts per minute (kepm).
*Background gamma reading = 20 kepm.
*Maximum gamma reading = 128 kepm.



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In association with
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Avatar Environmental, LLC, Environmental Compliance Consultants,
On-Site Environmental, Inc., and Sovereign Consulting, Inc.

**Figure 5: Phase 3
Gamma Screen**
CANADIAN RADIUM AND URANIUM CORP. SITE
MOUNT KISCO, NEW YORK
U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01
GIS ANALYST: F. BLISTE
EPA OSC: D. GAUGHAN
EST SPM: B. NWOSU
FILENAME: 170625 Figure 3 Gamma Survey Map.mxd



SCALE
1:1,581

LEGEND
RST 3 Sample Location
SAT Sample Location
Site Boundary



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
4.) * Represents a Radium-226 value that was analyzed via the 21-day ingrowth method.
5.) Values highlighted red indicate an exceedance of the EPA Site-Specific Action Level for the specific radionuclide.
6.) EPA Site-Specific Action Levels: Ra-226 = 2.52 pCi/g; Ra-228 = 16.2 pCi/g.

Figure 6: Phase 1 Soil Data

Canadian Radium and Uranium Corp. Site
Mount Kisco, New York

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

Weston Solutions, Inc.

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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:	D. GAUGHAN
EXT. L. SPM:	B. NIOSH
FILENAME:	150929_SampleLocationMap.mxd
FIGURE:	6
REVISION:	2
DATE MODIFIED:	8/22/2016





SCALE

1:1,580

LEGEND

April 2016 Soil Sample Location

Site Boundary



- 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) * Represents a Radium-226 value that was analyzed via the 21-day ingrowth method.
 - 4) Values highlighted in red indicate an exceedance of the EPA Site-Specific Action Level for the specific radionuclide.
 - 5) EPA Site-Specific Action Levels: Ra-226 = 2.52 pCi/g.

Figure 7: Phase 2 Soil Data

Canadian Radium and Uranium Corp. 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:	D. GAUGHAN
FILE NAME:	B. NIOSH
FILE NAME:	150929 SampleLocationMap.mxd
FIGURE:	5
REVISION:	1
DATE MODIFIED:	9/14/2016





TW-1-01
GROSS ALPHA - 72.5 pCi/L
GROSS BETA - 105 pCi/L
BISMUTH-212 - 28.07 J pCi/L
BISMUTH-214 - 6.51 J pCi/L
LEAD-212 - 8.78 J pCi/L
LEAD-214 - 13.11 J pCi/L
THALLIUM-208 - 3.61 J pCi/L
RADIUM-226* - 7.18 pCi/L
RADIUM-228* - 2.69 J pCi/L

TW-2-01
GROSS ALPHA - 44.1 pCi/L
GROSS BETA - 29.6 pCi/L
BISMUTH-212 - 516.08 J pCi/L
LEAD-212 - 137.25 J pCi/L
LEAD-214 - 569.97 J pCi/L
RADIUM-226* - 0.92 J pCi/L
RADIUM-228* - 1.14 J pCi/L

Canadian Radium and Uranium Corp. Site
Mount Kisco, NY 10549

Property C003

TW-1

TW-2

TW-3

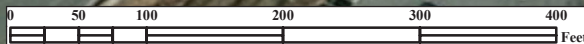
Property C002

Property C001

TW-3-01/02
GROSS ALPHA - 109/83.6 pCi/L
GROSS BETA - 202/197 pCi/L
BISMUTH-212 - 59.87 J/77.36 J pCi/L
LEAD-212 - 11.65 J/9.61 J pCi/L
LEAD-214 - 59.6 J/60.28 J pCi/L
POTASSIUM-40 - ND/47.7 J pCi/L
RADIUM-224 - 156.65 J/ND pCi/L
RADIUM-226* - 45.8/315 pCi/L
RADIUM-228* - 57/46.7 pCi/L

KISCO AVE

N MOGER AVE



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- Temporary Well Point Location
- Site Boundary
- Site Location

Notes:

- 1.) All results presented in picocuries per liter (pCi/L).
- 2.) J = Estimated value; ND = Non-Detect
- 3.) Only detected results are depicted on this map.
- 4.) * Represents a Radium-226 value that was analyzed via EPA Method 903.1 and a Radium-228 value that was analyzed via EPA Method 904.0.
- 5.) Values highlighted red indicate an exceedance of the EPA Site-Specific Action Level for the specific radionuclide.



Weston Solutions, Inc.
Federal East Division

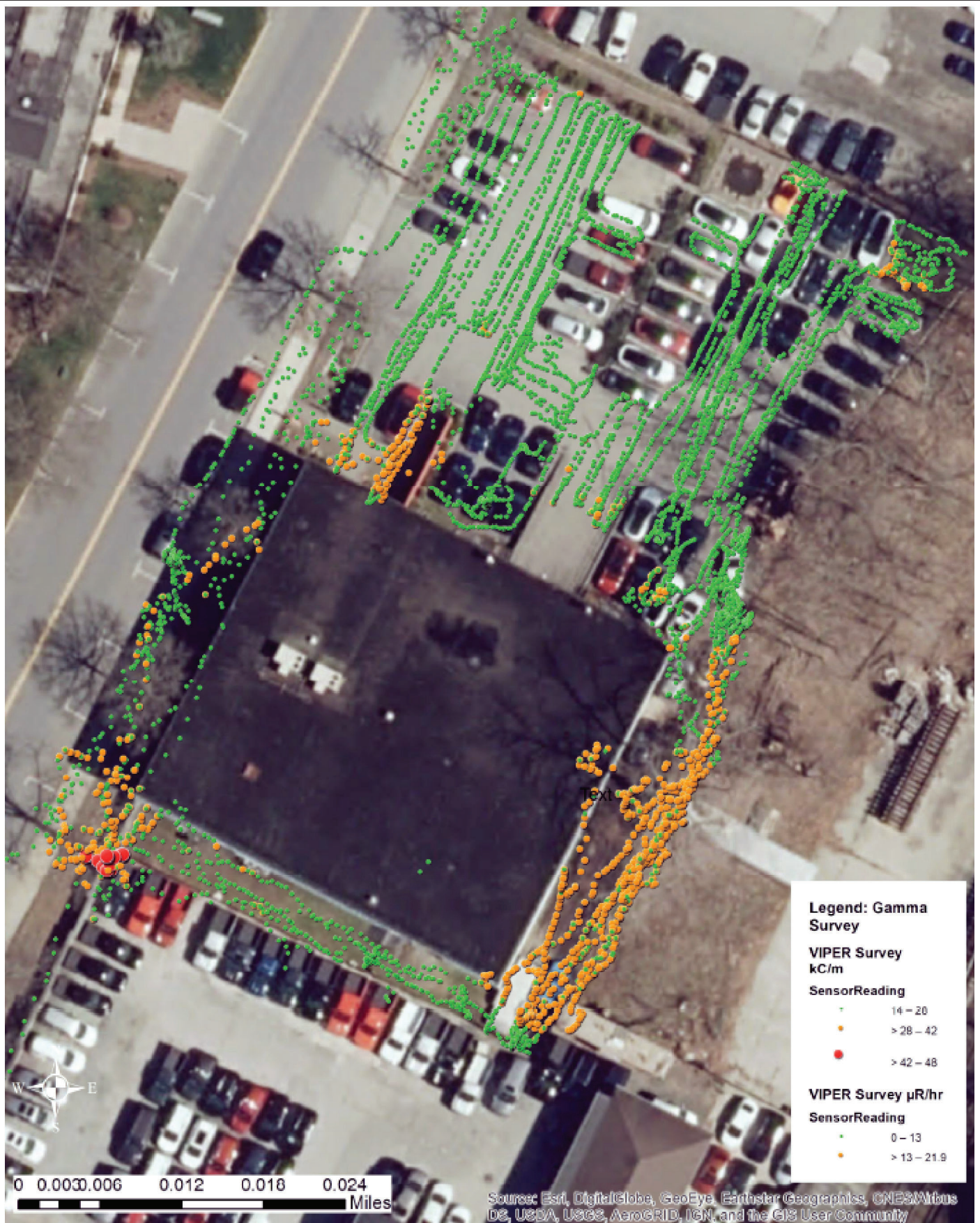
In Association With
Scientific and Environmental Associates, Inc.,
Environmental Compliance Consultants, Inc.,
Avatar Environmental, LLC, On-Site Environmental,
Inc. and Sovereign Consulting, Inc

Figure 8: Phase 3 Groundwater Data

Canadian Radium and Uranium Corp. Site
Mount Kisco, New York

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

DATE MODIFIED: 5/10/2017
GIS ANALYST: T. BENTON
EPA OSC: D. GAUGHAN
RST SPM: B. NWOSU
PROJECT #: 30400.031.007.3023



Notes:

- » kC/m - kilocounts per minute
- » µR/hr - microroentgens per hour



WESTON SOLUTIONS **Weston Solutions, Inc.**
Federal East Division

In Association With
Eco-Risk; Avatar Environmental, LLC;
Pro-West & Associates, Inc.;
On-Site Environmental, Inc.;
and Sovereign Consulting, Inc.

**Figure 9: Phase 4
Gamma Screen**

Canadian Radium and Uranium Site
Mt. Kisco, New York

U.S. ENVIRONMENTAL PROTECTION AGENCY
SUPERFUND TECHNICAL ASSESSMENT
& RESPONSE TEAM V
CONTRACT # 68HQ319D0004

DATE MODIFIED: 3/12/2020
GIS ANALYST: M. LANG
EPA OSC: D. GAUGHAN
START V SPM: B. NWOSU
CHARGE #: 40200.011.032.1030



Legend		Notes:		 Weston Solutions, Inc. Federal East Division		Figure 10: Phase 4 Soil Data	
	Soil Sample Location	»Results for only Radium-226 (Ra-226) are shown		In Association With Eco-Risk; Avatar Environmental, LLC; Pro-West & Associates, Inc.; On-Site Environmental, Inc.; and Sovereign Consulting, Inc.		Canadian Radium and Uranium Site Mt. Kisco, New York	
	Site Features	»Sample depths in parentheses are depicted in inches				U.S. ENVIRONMENTAL PROTECTION AGENCY SUPERFUND TECHNICAL ASSESSMENT & RESPONSE TEAM V CONTRACT # 68HE0319D0004	
	Property Boundary	»pCi/g - picocuries per gram				GIS ANALYST: M. LANG	
	Area of Concern	»Ra-226 analytical results highlighted in red exceed the U.S. Environmental Protection Agency (EPA) Site-Specific Action Level (SSAL) of 2.52 pCi/g				EPA OSC: D. GAUGHAN	
						START V SPM: B. NWOSU	
						CHARGE #:: 40200.011.032.1030	