Niagara Falls Storage Site Vicinity Properties, New York, Site

U.S. DEPARTMENT OF ENERGY | Legacy Management

SITE CERTIFICATION SUMMARY

This Site Certification Summary provides information about the **Niagara Falls Storage Site Vicinity Properties, New York, Site**. The U.S. Department of Energy Office of Legacy Management is responsible for long-term stewardship of the site under the **Formerly Utilized Sites Remedial Action Program**.

Site Description and History

Both the Niagara Falls Storage Site (NFSS) and the Niagara Falls Storage Site Vicinity Properties (NFSS VPs) were part of the U.S. Army's original 7,500-acre Lake Ontario Ordnance Works (LOOW), which was constructed and used for TNT production early in World War II. The site was then reassigned to the Manhattan Engineer District (MED). From 1944 to 1947, MED used LOOW to store uranium ore-processing residues from a ceramics plant. By 1948, the War Assets Administration transferred or sold 6,000 acres of LOOW. The U.S. Atomic Energy Commission (AEC) retained ownership of the remaining 1,500 acres. AEC continued to use the 1,500-acre LOOW site to store uranium ore-processing residues. AEC also stored uranium rods and disposed radioactive wastes at LOOW. From 1955 to 1975, more than 1,300 acres of LOOW were transferred or sold to private owners, leaving 191 acres as the current NFSS.

Storage and shipment of radioactive materials at LOOW, as well as water and wind erosion, resulted in the migration of contamination off the NFSS site, chiefly through the NFSS drainage ditches. These areas, located adjacent to or near the NFSS, are referred to as the NFSS VPs. In addition to the NFSS VPs findings, Oak Ridge Associated University (ORAU) and Oak Ridge National Laboratory (ORNL) identified three properties — one each in the city of Niagara Falls and the towns Niagara Falls and Lewiston — as radioactively contaminated, based on a 1985 radiological survey conducted with a scanning van. These additional properties are referred to as the three anomalies and are included with the NFSS VPs for remediation by the Formerly Utilized Sites Remedial Action Program (FUSRAP).

Site Remediation Timeline

October 1970 and June 1971 — Radiological surveys of the about 1,300 acres formerly held by the AEC indicated that contamination levels on 6.5 acres exceeded the AEC exposure guideline then in effect.

1972 — About 15,000 cubic meters of contaminated soil and debris were removed and transported to NFSS for storage.

1979 and 1980 — Battelle Columbus Laboratories conducted a comprehensive radiological characterization at NFSS. The survey identified contamination in excess of U.S. Department of Energy (DOE) guidelines along the entire length of the West Drainage Ditch and most of the Central Drainage Ditch.

May-June 1981 — The 19-acre portion of the Property N/N' North was remediated and a post-remedial action survey was completed.

1981 to 1985 — ORAU and ORNL performed radiological surveys of the 1,300 acres that lie outside of NFSS and found that 21 of the 25 surveyed properties were contaminated in excess of DOE guidelines.

1983 — Cleanup of the vicinity properties and the three anomalies began.

1986 — Remedial action was completed at the NFSS VPs and anomalies.

October 17, 1991 — A notice of certification was signed, which certified that the properties complied with DOE decontamination criteria and standards developed to protect health, safety, and the environment.

October 25, 1991 — DOE published the notice of certification in the Federal Register.

September 22, 2014 — Vicinity properties H' (H prime) and X were referred to the U.S. Army Corps of Engineers (USACE) for further evaluation.

Certification Docket Contents

The Certification Docket documents the successful decontamination of the majority of the vicinity properties associated with NFSS. Three VPs (E, E', and G) still contained residual contamination exceeding DOE decontamination

criteria and standards at the time of certification, so these properties were not certified. These three properties are not accessible by the public and may require remedial action if land use changes.

The following properties were released from FUSRAP in October 1991:

- Property A.
- Property B.
- Property C'.
- Property D.
- Property F.
- Property H'.
- Property L.
- Property M.
- Property N/N' North.
- Property N/N' South.
- Property P.
- Property Q.
- Property R.
- Property S.
- Property T.
- Property U.
- Property V.
- Property W.
- Property X.
- West Drainage Ditch.
- Central Drainage Ditch.
- Areas along Pletcher Road.
- Anomaly AA.
- Anomaly BB.
- Anomaly CC.

Remedial Action

From 1983 to 1986, DOE remediated NFSS VPs under FUSRAP. See the Fact Sheet for details.

The FUSRAP objectives at the site were to:

- Identify and assess all sites formerly utilized to support early MED/AEC nuclear work to determine whether further decontamination and/or control is needed.
- Decontaminate and/or apply controls to these sites to permit conformance with current applicable guidelines.
- Dispose of and/or stabilize all generated residues in an environmentally acceptable manner.
- Accomplish all work in accordance with appropriate landowner agreements; local and state environmental and land use requirements to the extent permitted by federal law and applicable DOE orders, regulations, standards, policies, and procedures.
- Certify, at the completion of remedial action, that the radiological conditions at the sites comply with guidelines and that the sites are appropriate for future use.

Post-Remediation Sampling

Soil samples taken after radioactive materials removal certified that no areas of radioactive contamination exceeding DOE guidelines remained. Soil samples were collected at grid intersections 6 meters apart. Other post-remedial sampling techniques included gamma walkover scans; gamma scans with a directional, lead-shielded detector (which were used after removing all walkover-detected contamination); and radon monitoring. No radon measurements exceeded DOE guidelines.

For more detailed results of the post-remediation sampling, see the Site Certification Data Summary Worksheet on pages 9-25. For a detailed map of the site and sampling locations, see the Site Overview Map on page 26.

Three Post-Remedial Action Reports (PRARs), each addressing different NFSS properties, document the successful decontamination of the NFSS VPs site.

January 1982 PRAR

The January 1982 PRAR addressed the 19-acre triangular portion of Property N/N' North owned by Modern Landfill, Inc. In May and June 1981, remedial action was performed on this property to remove areas of soil exceeding release criteria for radium-226 and cesium-137. ORAU performed the post-remedial action survey on June 25-27, 1981. The survey indicated that direct radiation levels throughout the property were within the applicable federal guidelines for unrestricted areas. Soil concentrations satisfied the criteria for cleanup of formerly utilized sites except for one small area along Vine Street, where the average radium-226 level of 7.7 picocuries per gram (pCi/g) slightly exceeded the guideline of 5 pCi/g. An evaluation of the potential radiation exposures to persons at the site indicated that these exposures were within federal guidelines and risks were negligible.

December 1986 PRAR

The remedial action performed 1983-1984 consisted of excavating contaminated soils and rubble. After the contaminated soil was removed, another radiological survey was conducted to ensure that radiological conditions at each of the 11 excavated areas complied with remedial action guidelines before it was backfilled with clean fill material.

Property A

Four small areas on Property A were decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration in the two areas was 1.2 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 0.2 pCi/g above background. This was well below the remedial action guideline of 15 pCi/g

for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

Property H'

One large area on Property H' was decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 1.9 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 0.9 pCi/g above background. Results from five soil samples exceeded the guideline of 15 pCi/g. A review of the soil samples and near-surface gamma measurements at locations contiguous with these five locations indicated that the average concentrations per 100 square meters (m^2) were each less than 15 pCi/g. For the highest value, 58.8 pCi/g, the average concentration in the immediate area was 12.7 pCi/g. This value was the average of four contiguous samples with background subtracted. Near-surface gamma measurements indicated that the area was much smaller than 100 m^2, probably less than 10 m^2. Thus, the remedial action guideline has been met throughout the decontaminated area.

Property L

Two small areas on Property L were decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 2.7 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 1.7 pCi/g above background. This was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

Property M

Three areas on Property M were decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 3.4 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 2.4 pCi/g above background. Results from the sample taken at one location exceeded the remedial action guideline of 15 pCi/g. A review of these results and those from three contiguous soil samples indicated that the average concentration per 100 m^2 was 5.6 pCi/g with background subtracted. Thus, the remedial action guideline has been met in all the decontaminated areas.

Property N/N' South

Eleven areas on Property N/N' South were decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration in the decontaminated areas was 2.3 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 1.3 pCi/g above background. Results from two soil samples exceeded the guideline of 15 pCi/g. A review of the soil samples and near-surface gamma measurements at locations contiguous with these two locations indicated that the average concentration per 100 m^2 was 11.2 pCi/g. This value was the average of seven contiguous samples with background subtracted. Near-surface gamma measurements indicated that the areas were much smaller than 100 m^2, probably less than 1 m^2. Thus, the remedial action guideline has been met in all the decontaminated areas.

Property Q

Twenty areas on Property Q were decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 2.2 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 1.2 pCi/g above background. Results from two soil samples exceeded the remedial action guideline of 15 pCi/g. A review of the soil samples and near-surface gamma measurements at locations contiguous with these two locations indicated that the average concentrations per100 m^2 were each less than 15 pCi/g. For the highest value, 37.4 pCi/g, the average concentration in the immediate area was 10.6 pCi/g. This value was the average of three contiguous samples with background subtracted. Near-surface gamma measurements indicated that the area was much smaller than 100 m^2, probably less than 10 m^2. Thus, the remedial action guideline for radium-226 has been met in all decontaminated areas. Results from one sample exceeded the remedial action guideline of 15 pCi/g for thorium-232. However, a review of the soil samples at locations contiguous with this location indicated that the average concentration (with background subtracted) was 4.5 pCi/g — thus, meeting the guideline.

Property R

Three small areas on Property R were decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 2.1 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 1.1 pCi/g above background. This was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

Property S

One small area on Property S was decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 4.5 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 3.5 pCi/g above background. This was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

Properties U and V

Eight small areas on Properties U and V were decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 1.1 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 0.1 pCi/g above background. This was well below the remedial action guideline of 15 pCi/g for radium-226

concentrations in soil more than 6 inches beneath the ground surface.

Property X

Fourteen small areas on Property X were decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 1.0 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was equal to background. This was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

West Drainage Ditch

The section of the West Drainage Ditch extending from the northern boundary of the NFSS to the confluence with the Central Drainage Ditch was decontaminated, but not backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 1.5 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 0.5 pCi/g above background. Results from seven soil samples exceeded the remedial action guideline of 5 pCi/g for surface concentrations of radium-226. A review of the soil samples and near-surface gamma measurements at locations contiguous with these seven locations indicated that the average concentrations per 100 m^2 were each less than 5 pCi/g. For the highest value, 14.3 pCi/g, the average concentration in the immediate area was 2.9 pCi/g. This value is the average of six contiguous samples with background subtracted. Near-surface gamma measurements indicated that the area was much smaller than 100 m^2, probably less than 10 m^2. Thus, the remedial action guideline has been met throughout the decontaminated area. Results from one sample exceeded the remedial action guideline of 15 pCi/g for thorium-232. However, a review of the soil samples contiguous with this location indicated that the average concentration (with background subtracted) was 4.2 pCi/g — thus, meeting the guideline.

Central Drainage Ditch

The section of the Central Drainage Ditch extending from the northern boundary of the NFSS to a location 1,500 feet west of Lutts Road was decontaminated, but not backfilled, along most of the distance cleaned. The average radium-226 concentration was 2.2 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 1.2 pCi/g above background. While this average was well below the remedial action guideline of 5 pCi/g for surface concentrations of radium-226, results from 101 of the 1,750 samples collected exceeded 5 pCi/g above background. Each of these results was evaluated using contiguous soil samples and near-surface gamma measurements to determine average concentrations per 100 m^2 and the sizes of areas where results exceeded the guideline. Based on this evaluation, seven areas were identified that exceeded the guideline. The average radium-226 concentration in each of these areas was less than 15 pCi/g. Based on a pathways analysis, the resulting dose due to radium-226 contamination in each of these areas was a fraction of the radiation protection standard of 100 millirems per year (mrem/yr). Therefore, it was determined by DOE that decontamination of the Central Drainage Ditch met the radiation protection standard.

In addition to the section cleaned, the section of the ditch from 1,500 to 4,500 feet west of where Lutts Road crosses the ditch was sampled to determine whether or not remedial action was required. The average concentration of radium-226 in this section was 6.1 pCi/g with a maximum of 11.5 pCi/g. Results of the pathways analysis indicated, however, that the resulting dose to the public would be only a small fraction of the radiation protection standard (100 mrem/yr). Consequently, it was determined by DOE that no remedial action was required along this section of the ditch.

January 1989 PRAR

The remedial action performed in 1985 and 1986 consisted of excavating contaminated soil and rubble. After the contaminated soil was removed, another radiological survey was conducted to ensure that radiological conditions at each excavated area complied with remedial action guidelines before the area was backfilled with clean fill material.

Property B

Seven small areas on Property B were decontaminated and backfilled. Because several external radiation measurements taken near some of the excavations indicated that additional contamination might have been present, several samples were taken in unexcavated areas. These samples were analyzed to verify that the concentration of radium-226 in surface soil was lower than the remedial action guideline of 5 pCi/g. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 5.1 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 4.1 pCi/g above background. This was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

A warehouse on Property B was contaminated with radium-226 and polychlorinated biphenyls (PCBs). The building was being used to store PCBs. In certain parts of the building, the levels of surface contamination exceeded those permitted by the generic remedial action guidelines. Because of the toxicity problems presented by the presence of PCBs, a pathways analysis was performed to determine the appropriate remedial action response. This analysis showed that if the warehouse were to be demolished, the maximum concentration of radium-226 in the rubble would be 2.4 pCi/g. Actual concentrations, when averaged over 10-meter by 10-meter areas and a depth 6 inches would be a fraction of this value. Demolition and burial of the warehouse at least 6 inches beneath the surface of the ground in an unrestricted burial area was therefore feasible from a radiological standpoint.

Property C'

Four small areas on Property C' were decontaminated. These areas were not backfilled because they were in a wetlands area and were under water. Because several external radiation measurements taken near some of the excavations indicated that additional contamination might have been present, several samples were taken in unexcavated areas. These samples were analyzed to verify that the concentration of radium-226 in surface soil was below the remedial action guideline of 5 pCi/g. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration in the four areas was 1.9 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 0.9 pCi/g above background. This was well below the remedial action guideline of 5 pCi/g for radium-226 concentration in the top 6 inches of soil.

Although analysis results for two soil samples exceeded 5 pCi/g, a review of analysis results for soil and of near-surface gamma measurements obtained at locations contiguous with these two sampling locations indicated that the average concentrations per 100 m^2 were each less than 5 pCi/g. For the highest value of 9.4 pCi/g, the average concentration in the immediate area was 2.0 pCi/g. This value was the average of the values for three contiguous samples with background subtracted. Thus, the remedial action guideline for surface soil has been met throughout the decontaminated area.

Property D

Six areas on Property D were decontaminated during the 1985-1986 remedial action activities. Analysis results for soil from these six areas indicated that the remedial action guideline was met. The average radium-226 concentration in the six areas was 2.3 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 1.3 pCi/g above background. This was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface. The seventh area was part of a much larger area of contamination on Property U, which was decontaminated and backfilled as a part of remedial actions completed in 1984. The eighth area contained several 6- to 12-inch diameter pieces of a slag-like material with a uranium-to-radium ratio that was characteristic of MED/AEC materials. This material was removed during the verification survey. After the slag-like material was removed, a near-surface gamma survey indicated that there was no contamination present.

Property E

During May and June 1983, ORAU conducted a radiological survey of Property E that identified one area of contamination in part of the berm surrounding Lagoon 6 and another smaller area of contamination in the north-central part of the property. Lagoon 6, which was used to retain PCB-contaminated liquids, was part of a much larger, limited-access, hazardous chemical waste disposal facility. As part of remedial action on the property in 1985, additional radiological surveys of the two contaminated areas were conducted by BNI. These surveys included electromagnetometer measurements, gamma logging of boreholes, and surface radiation scans. Data from the 1983 and 1985 surveys indicated that contamination in the berm consisted of small metal objects and plaster-like chips. According to ORAU, the chemical composition of these chips suggested that they may be lead cake residues. Data from the ORAU survey indicated that, while there were small areas in which contamination exceeded 5 pCi/g on the surface and 15 pCi/g in the subsurface, as specified by the generic remedial action guidelines, the average concentration of radium-226 in the area was less than either criterion. Contamination levels measured in both the berm and the contaminated area in the north-central part of Property E during the 1985 survey complied with the generic guideline.

Since PCBs were stored in the lagoon, no survey was made of the soil beneath the lagoon. DOE expressed its willingness to the Property E owner to resurvey the area beneath Lagoon 6 after decommissioning the lagoon. It was not possible to state categorically that contamination did or did not exist in that area. However, the probability that the concentration of radioactive contamination beneath the lagoon is greater than the levels permitted by the generic remedial action guidelines is small. This evaluation was based on the type of radioactively contaminated material found in the berm and the fact that the berm was constructed by excavating material from the area now filled by the lagoon. Contaminated soil or rubble that might originally have been present within the bermed area should now be in the berm itself.

Since the survey data collected by ORAU and BNI did not reveal the presence of contamination in excess of the generic guidelines, remedial action was not performed on the berm around Lagoon 6 and the other small area in the northern part of the property. All contamination noted during the ORAU and BNI surveys was in the form of small pieces of metal or plaster-like chips buried more than 6 inches beneath the ground surface. No subsurface concentrations of radium-226 in excess of 15 pCi/g when averaged over a 100-m^2 area were measured.

Property E'

Sixteen areas on Property E' were decontaminated and backfilled. Property E' was part of a much larger, limited-access, hazardous chemical waste disposal facility. Since several external radiation measurements taken near some of the excavations indicated that additional contamination might have been present, several samples were taken in unexcavated areas. These samples were analyzed to verify that the concentration of radium-226 in surface soil was lower than the remedial action guideline of 5 pCi/g. Results of soil sample analyses indicate that the remedial action guideline was met. The average radium-226 concentration was 2.3 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 1.3 pCi/g above background. This is well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

Two additional areas of the property were not accessible for remedial action. One of these areas was beneath two PCB storage tanks and the other was beneath a road. The contamination remaining in these areas was present in a 0.3-meter-thick layer, about 0.6 meters beneath the ground surface. It was in the form of small white chips, the chemical composition of which suggested that they may be lead cake residues. Although the concentrations of radium-226 in these small chips were above 15 pCi/g, the average concentrations for contiguous areas of 100 m^2 were below 15 pCi/g. Remedial actions were conducted in the vicinity of these two areas to remove as much of the contamination as possible in an effort to reduce radiation levels to as low as reasonably achievable. Since the average concentrations of radium-226 for contiguous areas of 100 meters were below 15 pCi/g, the decision was made to leave the residual contamination remaining under the PCB tanks and the roadway in place. No undesirable effects on the health and safety of workers in the area will occur as a result of these materials.

Property F

One small area on Property F was decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The radium-226 concentration was 0.8 pCi/g; thus, the concentration was below background levels.

Property G

Forty-five areas on Property G were decontaminated and backfilled. Because external radiation measurements taken near some of the excavations indicated that additional contamination might have been present, several samples were taken in unexcavated areas. These samples were analyzed to verify that the concentration of radium-226 in surface soil was lower than the remedial action guideline of 5 pCi/g. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 2.1 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 1.1 pCi/g above background. This was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

Uranium-238 concentrations exceeded 44 pCi/g in two samples. A review of analysis results for soil samples obtained at locations contiguous to the first sample indicated that the average concentration (with background subtracted) was 30 pCi/g, which is within the remedial action guideline for uranium-238 in soil. No sample was collected from the area contiguous to the second sample; therefore, no average value could be obtained. However, near-surface gamma measurements in this contiguous area and the as-built drawing were reviewed. The review of these sources demonstrated that the area contiguous to the second sample was about 24 m^2; thus, the "hot spot" criteria could be applied. The hot spot criterion is determined by multiplying the remedial action guideline for the respective radionuclide by a factor of $(100/A)^{1/2}$, where A is the area of the hot spot. Using this formula, a value of 90 pCi/g was obtained for uranium-238. Therefore, the uranium-238 concentration at the second location met the hot spot criterion.

All of Property G was cleaned up in 1986, except for one small area containing several buried drums. One drum was removed in 1986 and its contents analyzed. The analysis showed the presence of numerous organic compounds. These compounds are common constituents of coal tars and coal tar derivatives. The drum also was found to be radioactively contaminated. It was postulated that the drums were originally used to store K-65 residues, and that there was residual contamination because it was not possible to remove all of the K-65 residues. In 1987, the area of the drums was excavated. Thirty-one additional drums were removed and placed in over-packs. Ninety drums of soil, contaminated with the material from the original drums, were also removed.

Property N/N' North

Property N/N' North is owned by Modern Landfill, Inc., which requested in 1980 that DOE remove restrictions on a 19-acre parcel of the property so that it could be developed as a sanitary landfill. The parcel is a triangular area bounded by Vine and "O" Streets and Castle Garden Road. DOE entered into an agreement with Modern Landfill, Inc., to perform the remedial action and certify that the subject property complied with applicable radiological criteria and guidelines. BNI conducted the remedial action in June 1981 and surveyed an additional 15.8 acres of the property in November of that year. In 1982, ORAU issued a post-remedial action report, and DOE certified that use of the 34.8-acre parcel would not result in any measurable radiological hazard to the general public.

The remainder of Property N/N' North was decontaminated during the 1985 and 1986 work seasons. Twenty-three areas were decontaminated and backfilled. Because several external radiation measurements taken near some of the excavations indicated that additional contamination might have been present, several samples were taken in unexcavated areas. These samples were analyzed to verify that the concentration of radium-226 in surface soil was lower than the remedial action guideline of 5 pCi/g.

Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 1.8 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 0.8 pCi/g above background. Although results from one soil sample exceeded 15 pCi/g, a review of the soil samples and near-surface gamma measurements at locations contiguous with this location indicated that the average concentration per 100 m^2 was 6.6 pCi/g. This value is the average of three contiguous samples with background subtracted. Thus, the remedial action guideline for radium-226 in subsurface soil has been met in all decontaminated areas.

The concentration of uranium-238 exceeded 44 pCi/g in only one sample. A review of analysis results for soil samples taken at locations contiguous with that sample indicated that the

average concentration (with background subtracted) was 64 pCi/g, which still exceeds the remedial action guideline. However, near-surface gamma measurements and the as-built drawing of the contiguous areas were both reviewed. The review of these sources demonstrated that the area contiguous to the sample was about 21 m^2; thus, the "hot spot" criteria could be applied. Again, the hot spot criterion is determined by multiplying the respective remedial action guideline by a factor of $(100/A)^{1/2}$, where A is the area of the hot spot. The sample met the 96-pCi/g hot spot criterion thus calculated.

Property P

One small area on Property P was decontaminated and backfilled. Results of soil sample analysis indicated that the remedial action guideline was met. The radium-226 concentration was 0.8 pCi/g; thus, the concentration was within the range of background levels.

Property T

Thirty-seven small areas on Property T were decontaminated and backfilled. Because several external radiation measurements taken near some of the excavations indicated that additional contamination might have been present, several samples were taken in unexcavated areas. These samples were analyzed to verify that the concentration of radium-226 in surface soil was lower than the remedial action guideline of 5 pCi/g. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 2.5 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 1.5 pCi/g above background. This was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

Property W

Two small areas on Property W were decontaminated and backfilled. Because several external radiation measurements taken near some of the excavations indicated that additional contamination might have been present, several samples were taken in unexcavated areas. These samples were analyzed to verify that the concentration of radium-226 in surface soil was lower than the remedial action guideline of 5 pCi/g. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 2.5 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 1.5 pCi/g above background. This was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

Pletcher Road

Twenty-six areas along Pletcher Road were decontaminated and backfilled. Because several external radiation measurements taken near some of the excavations indicated that additional contamination might have been present, several samples were taken in unexcavated areas. These samples were analyzed to verify that the concentration of radium-226 in surface soil was lower than the remedial action guideline of 5 pCi/g. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 5.2 pCi/g, including a background concentration of 1 pCi/g. Thus, average concentration was 4.2 pCi/g above background. Although results from three soil samples exceeded 15 pCi/g, a review of the soil samples and near-surface gamma measurements at locations contiguous with these three locations indicated that the average concentrations per 100 m^2 were each less than 15 pCi/g. For the highest value (21.1 pCi/g), the average concentration in the immediate area was 12.3 pCi/g. This value was the average of two contiguous samples with background subtracted. Thus, the remedial action guideline for subsurface soil has been met throughout the decontaminated area.

Anomaly AA

Five small areas known as Anomaly AA were decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 6.4 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 5.4 pCi/g above background levels. This was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

Results from one sample exceeded the remedial action guideline of 15 pCi/g. A review of the soil samples and near-surface gamma measurements at locations contiguous with this location indicated that the average concentration per 100 m^2 was less than 15 pCi/g. The average concentration in the immediate area was 13.5 pCi/g (background has been subtracted). Thus, the remedial action guideline for radium-226 has been met in all decontaminated areas.

Anomaly BB

Two small areas known as Anomaly BB were decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 2.8 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 1.8 pCi/g above background, which was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

Anomaly CC

One small area known as Anomaly CC was decontaminated and backfilled. Results of soil sample analyses indicated that the remedial action guideline was met. The average radium-226 concentration was 3.3 pCi/g, including a background concentration of 1 pCi/g. Thus, the average concentration was 2.3 pCi/g above background, which was well below the remedial action guideline of 15 pCi/g for radium-226 concentrations in soil more than 6 inches beneath the ground surface.

Current Site Conditions

Based on all data collected, the NFSS vicinity properties conformed to all applicable DOE radiological guidelines established for release of these properties for future use. DOE has been responsible for long-term stewardship of the NFSS site since 1992. The stewardship requirements and protocols are captured in the Long-Term Stewardship Plan for Completed FUSRAP Sites, which is available on the DOE Office of Legacy Management website (www.energy.gov/lm/niagara-falls-storage-site-vicinity-properties-new-york-site).

The Niagara Falls Storage Site, plus vicinity properties E, E', and G, were not certified clean as part of this remediation effort. Also, in September 2014, vicinity properties H' and X were referred to the U.S. Army Corps of Engineers for further evaluation.

ADDITIONAL INFORMATION

Documents related to FUSRAP activities at the Niagara Falls Storage Site Vicinity Properties, New York, Site are available on the LM website at lmpublicsearch.lm.doe.gov/SitePages/default.aspx?sitename=Niagara_Storage.

For other information on site history or current long-term stewardship activities, please contact us at:

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Niagara Falls Storage Site Vicinity Properties, New York, Site Certification Data Summary Worksheet

Thirty-two tables referenced in the NFSS VPs Certification Docket provide the evidence used to certify the site as clean.

The six tables below come from the "1982 PRAR," which is the ORAU report "Post-Remedial Action Survey, Property of Modern Landfill, Inc., Former LOOW Site, Lewiston, New York" (January 1982).

Concentrations of Radionuclides in Surface Soil from Areas of Modern Landfill Property Undisturbed by Remedial Action

Table 1 in 1982 PRAR

Sample Number	Concentration (pCi/g)					
	Ra-226	Cs-137	U-235	U-238	Th-232	K-40
1	0.93 ± 0.14[a]	0.38 ± 0.06	0.08 ± 0.06	< 2.4	0.90 ± 0.24	14 ± 2
2	1.2 ± 0.2	0.57 ± 0.09	0.12 ± 0.07	5.8 ± 5.2	0.67 ± 0.24	15 ± 2
3	0.73 ± 0.13	0.18 ± 0.06	0.07 ± 0.06	< 3.3	1.0 ± 0.2	15 ± 2
4[b]	2.5 ± 0.3	1.6 ± 0.2	0.14 ± 0.11	11 ± 7	0.87 ± 0.28	17 ± 2
5	0.63 ± 0.15	0.17 ± 0.06	0.07 ± 0.06	< 3.8	0.75 ± 0.25	17 ± 2
6	0.87 ± 0.14	0.32 ± 0.07	< 0.03	< 2.9	0.72 ± 0.22	17 ± 2
7	1.1 ± 0.2	0.71 ± 0.11	0.07 ± 0.07	< 4.6	1.1 ± 0.3	16 ± 2
8	1.1 ± 0.2	0.66 ± 0.09	0.08 ± 0.07	8.2 ± 6.2	0.61 ± 0.26	15 ± 2
9	0.85 ± 0.12	0.53 ± 0.08	0.05 ± 0.05	3.5 ± 2.9	0.67 ± 0.18	10 ± 1
10	0.64 ± 0.16	0.75 ± 0.12	0.09 ± 0.08	< 6.2	0.81 ± 0.38	14 ± 2
11	1.4 ± 0.2	0.87 ± 0.11	0.12 ± 0.07	< 3.5	0.83 ± 0.25	15 ± 2
12	0.87 ± 0.17	0.92 ± 0.11	0.10 ± 0.08	< 3.9	0.52 ± 0.27	10 ± 2
13[c]	12.2 ± 0.4	0.56 ± 0.09	0.96 ± 0.14	5.9 ± 8.4	0.93 ± 0.31	11 ± 2
14[b]	80.4 ± 1.3	1.9 ± 0.3	6.3 ± 0.5	28 ± 25	< 0.58	13 ± 3
15	1.0 ± 0.2	0.97 ± 0.10	0.08 ± 0.07	< 2.7	0.98 ± 0.23	15 ± 2
16	0.88 ± 0.16	0.89 ± 0.11	0.17 ± 0.08	4.0 ± 6.0	0.91 ± 0.28	14 ± 2
17	0.85 ± 0.15	0.52 ± 0.10	0.13 ± 0.07	2.6 ± 3.7	1.1 ± 0.3	13 ± 2
18	1.4 ± 0.2	0.69 ± 0.09	0.12 ± 0.08	< 2.3	0.68 ± 0.25	14 ± 2
19[c]	0.77 ± 0.14	0.75 ± 0.10	0.11 ± 0.06	< 3.0	0.81 ± 0.23	11 ± 2
20	1.3 ± 0.2	1.2 ± 0.1	0.15 ± 0.08	7.2 ± 6.4	1.3 ± 0.3	17 ± 2
21[d]	7.0 ± 0.3	0.59 ± 0.09	0.46 ± 0.12	14 ± 8	0.78 ± 0.29	18 ± 2
22[b]	1.2 ± 0.2	0.76 ± 0.09	0.13 ± 0.07	6.9 ± 4.2	0.79 ± 0.22	16 ± 2
23	0.96 ± 0.15	0.48 ± 0.09	0.22 ± 0.08	8.6 ± 6.2	1.1 ± 0.3	12 ± 2
24[c]	0.95 ± 0.17	0.67 ± 0.09	0.18 ± 0.07	4.3 ± 5.0	0.96 ± 0.23	15 ± 2
25[c]	1.1 ± 0.2	< 0.04	0.28 ± 0.08	4.2 ± 5.7	1.1 ± 0.2	14 ± 2

[a]Errors indicated are 2 σ based on counting statistics only.
[b]Sample is from adjacent DOE property.
[c]Sample is from adjacent Modern Landfill property.
[d]Sample is from area of remedial action.

Locations Near Foundations 718 and 707-F, Indicating Surface Contact Exposure Rates Exceeding 20 µR/hr

Table 2 in 1982 PRAR

Location	Grid Point	Radiation Level Measured During Walkover (µR/hr)	Radiation Level After Soil Removal (µR/hr)
B1	D+91, 1+90	36	20
B2	D+43, 1+40	267	14
B3	D+32, 1+34	40	18
B4	D+85, 1+30	44	24
B5	E+20, 1+33	51	18
B6	E+21, 1+44	36	18
B7	E+33, 1+41	27	24
B8	E+28, 1+85	27	22
B9	E+10, 1+75	27	16
B10	E+7, 1+89	29	20

Concentrations of Radionuclides in Systematic Surface Soil Samples from the Area of Building Foundations 707-F and 718

Table 3 in 1982 PRAR

Sample Number	Grid Point	Concentration (pCi/g)					
		Ra-226	Cs-137	U-235	U-238	Th-232	K-40
26	C+77, 1+32	1.4 ± 0.2[a]	0.77 ± 0.08	0.06 ± 0.06	< 2.5	0.57 ± 0.20	11 ± 1
27	C+77, 1+47	1.2 ± 0.2	0.84 ± 0.11	0.12 ± 0.07	4.9 ± 4.6	0.72 ± 0.26	13 ± 2
28	C+77, 1+62	1.1 ± 0.2	1.0 ± 0.1	0.07 ± 0.06	3.6 ± 3.3	0.73 ± 0.25	13 ± 2
29	C+77, 1+77	0.82 ± 0.12	0.51 ± 0.08	0.10 ± 0.06	3.2 ± 3.7	0.69 ± 0.18	11 ± 1
30	C+77, 1+92	0.89 ± 0.14	0.89 ± 0.10	0.11 ± 0.07	< 3.7	0.81 ± 0.25	13 ± 2
31	C+77, 2+08	0.86 ± 0.14	0.73 ± 0.08	0.10 ± 0.07	8.8 ± 4.3	0.49 ± 0.22	13 ± 1
32	C+77, 2+23	0.91 ± 0.15	0.70 ± 0.09	0.11 ± 0.07	< 3.4	0.65 ± 0.23	13 ± 2
33	C+77, 2+38	0.94 ± 0.14	0.61 ± 0.09	0.04 ± 0.07	6.6 ± 5.9	0.79 ± 0.25	13 ± 2
34	C+92, 1+32	1.3 ± 0.2	2.3 ± 0.2	0.16 ± 0.09	4.3 ± 4.8	0.52 ± 0.25	11 ± 2
35	C+92, 1+47	1.3 ± 0.2	2.4 ± 0.2	0.16 ± 0.09	4.3 ± 4.8	0.43 ± 0.22	11 ± 2
36	C+92, 1+62	1.8 ± 0.3	2.1 ± 0.2	0.15 ± 0.10	5.7 ± 8.1	0.65 ± 0.25	11 ± 2
37	C+92, 1+77	1.6 ± 0.2	1.9 ± 0.1	0.20 ± 0.09	< 3.2	0.60 ± 0.23	12 ± 2
38	C+92, 1+92	1.1 ± 0.1	0.05 ± 0.04	0.13 ± 0.05	6.1 ± 3.5	0.46 ± 0.19	9.1 ± 1.2
39	C+92, 2+08	3.1 ± 0.3	2.2 ± 0.2	0.27 ± 0.18	7.3 ± 7.4	0.45 ± 0.29	8.9 ± 1.8
40	C+92, 2+23	3.0 ± 0.3	2.0 ± 0.2	0.42 ± 0.11	< 3.7	0.73 ± 0.27	7.3 ± 1.4
41	C+92, 2+38	1.1 ± 0.2	0.78 ± 0.10	0.11 ± 0.07	5.4 ± 5.0	0.92 ± 0.26	13 ± 2
42	D+08, 2+23	2.2 ± 0.3	2.7 ± 0.2	0.40 ± 0.16	5.8 ± 5.9	0.59 ± 0.25	6.7 ± 1.4
43	D+23, 2+23	1.6 ± 0.2	3.9 ± 0.2	0.06 ± 0.06	< 2.5	0.95 ± 0.21	7.5 ± 1.0
44	D+38, 1+47	2.2 ± 6.2	2.0 ± 0.2	0.10 ± 0.16	< 3.5	0.87 ± 0.25	11 ± 2
45	D+38, 1+62	0.60 ± 0.09	0.62 ± 0.07	0.07 ± 0.04	3.4 ± 3.5	0.32 ± 0.11	8.9 ± 1.0
46	D+38, 1+77	0.77 ± 0.14	0.78 ± 0.10	0.10 ± 0.07	< 3.8	0.58 ± 0.22	12 ± 2
47	D+38, 1+92	0.75 ± 0.14	0.69 ± 0.09	0.11 ± 0.07	< 3.8	0.67 ± 0.25	12 ± 2
48	D+38, 2+08	0.98 ± 0.12	0.56 ± 0.07	< 0.03	< 3.1	0.53 ± 0.19	9.7 ± 1.2
49	D+38, 2+23	1.4 ± 0.2	0.93 ± 0.10	0.13 ± 0.07	6.4 ± 6.4	0.54 ± 0.22	12 ± 1
50	D+38, 2+38	1.1 ± 0.2	0.96 ± 0.10	0.14 ± 0.07	6.6 ± 5.2	0.46 ± 0.22	11 ± 1
51	D+53, 1+32	3.6 ± 0.3	4.3 ± 0.2	0.18 ± 0.12	7.8 ± 7.7	1.2 ± 0.3	7.1 ± 1.3
52	D+53, 1+47	2.8 ± 0.2	2.0 ± 0.1	0.11 ± 0.09	< 4.9	96 ± 0.26	11 ± 1
53	D+53, 1+62	0.99 ± 0.14	0.82 ± 0.09	0.09 ± 0.06	4.4 ± 4.4	0.37 ± 0.20	11 ± 1
54	D+53, 1+77	1.2 ± 0.2	0.76 ± 0.10	0.11 ± 0.07	< 3.8	0.73 ± 0.26	9.3 ± 1.4
55	D+53, 1+92	1.2 ± 0.2	0.79 ± 0.10	0.08 ± 0.07	4.3 ± 5.2	0.84 ± 0.25	12 ± 2
56	D+53, 2+08	1.3 ± 0.2	0.90 ± 0.10	0.12 ± 0.08	< 4.3	0.76 ± 0.23	12 ± 2
57	D+53, 2+23	1.3 ± 0.2	1.0 ± 0.1	0.11 ± 0.07	< 3.5	0.64 ± 0.26	14 ± 2
58	D+53, 2+38	1.0 ± 0.1	0.49 ± 0.07	0.08 ± 0.05	2.6 ± 3.5	0.74 ± 0.19	12 ± 1
59	D+68, 1+32	4.8 ± 0.3	7.5 ± 0.3	0.56 ± 0.12	16 ± 8	1.1 ± 0.3	6.9 ± 1.4
60	D+68, 1+47	4.9 ± 0.3	7.9 ± 0.3	0.47 ± 0.12	8.9 ± 7.6	1.0 ± 0.3	9.3 ± 1.4
61	D+68, 1+62	1.4 ± 0.2	5.0 ± 0.2	1.2 ± 0.2	< 3.8	0.82 ± 0.21	12 ± 2
62	D+68, 1+77	2.1 ± 0.2	1.2 ± 0.1	0.08 ± 0.08	6.7 ± 5.3	0.48 ± 0.23	8.5 ± 1.1
63	D+68, 1+92	1.5 ± 0.2	1.3 ± 0.1	0.15 ± 0.07	4.1 ± 6.1	0.57 ± 0.24	11 ± 1
64	D+68, 2+08	1.5 ± 0.2	0.76 ± 0.09	0.13 ± 0.07	< 2.9	0.39 ± 0.20	9.1 ± 1.3
65	D+68, 2+23	0.86 ± 0.11	0.10 ± 0.05	0.09 ± 0.05	2.7 ± 3.8	0.74 ± 0.18	11 ± 1
66	D+68, 2+38	1.4 ± 0.14	0.29 ± 0.05	0.05 ± 0.05	4.2 ± 3.7	0.57 ± 0.17	9.9 ± 1.2
67	D+83, 1+32	1.1 ± 0.1	3.2 ± 0.2	0.26 ± 0.07	7.3 ± 4.7	0.94 ± 0.22	14 ± 2
68	D+83, 1+47	0.36 ± 0.08	0.90 ± 0.08	0.11 ± 0.04	4.0 ± 3.2	0.44 ± 0.15	7.0 ± 1.0
69	D+83, 1+62	1.2 ± 0.2	6.5 ± 0.2	0.25 ± 0.10	5.2 ± 5.5	0.62 ± 0.22	12 ± 1
70	D+83, 1+77	3.9 ± 0.2	2.4 ± 0.1	0.27 ± 0.09	< 3.6	0.78 ± 0.25	9.4 ± 1.3
71	D+83, 1+92	2.5 ± 0.2	2.7 ± 0.2	0.20 ± 0.10	< 3.3	0.66 ± 0.26	11 ± 2
72	D+83, 2+08	1.0 ± 0.2	1.1 ± 0.1	0.12 ± 0.08	8.6 ± 4.9	0.82 ± 0.26	9.8 ± 1.4
73	D+83, 2+23	3.9 ± 0.2	2.3 ± 0.1	0.27 ± 0.09	< 3.6	0.78 ± 0.25	9.4 ± 1.3
74	D+83, 2+38	1.9 ± 0.2	0.91 ± 0.09	0.15 ± 0.07	< 2.6	0.60 ± 0.23	11 ± 1
75	D+98, 1+32	0.42 ± 0.10	7.0 ± 0.2	0.10 ± 0.07	3.1 ± 3.1	0.49 ± 0.15	8.8 ± 1.1
76	D+98, 1+47	0.54 ± 0.10	1.6 ± 0.1	< 0.02	3.4 ± 2.7	0.57 ± 0.14	7.6 ± 1.0
77	D+98, 1+62	0.81 ± 0.13	15 ± 3	0.18 ± 0.10	8.2 ± 5.0	0.57 ± 0.18	11 ± 1
78	D+98, 1+77	0.83 ± 0.12	0.71 ± 0.08	0.10 ± 0.06	2.3 ± 3.5	0.68 ± 0.19	10 ± 1
79	D+98, 1+92	1.2 ± 0.2	1.7 ± 0.1	0.16 ± 0.07	7.9 ± 5.4	0.78 ± 0.24	11 ± 1
80	E+15, 1+32	0.42 ± 0.09	3.1 ± 0.2	0.06 ± 0.05	< 1.4	0.43 ± 0.16	7.8 ± 1.0
81	E+15, 1+47	0.43 ± 0.08	1.9 ± 0.1	0.04 ± 0.04	< 1.9	0.39 ± 0.12	7.2 ± 1.0
82	E+15, 1+62	0.50 ± 0.15	14 ± 1	0.23 ± 0.09	8.9 ± 4.2	0.60 ± 0.17	12 ± 1
83	E+15, 1+77	0.81 ± 0.12	0.77 ± 0.09	0.17 ± 0.06	6.0 ± 4.2	0.51 ± 0.18	7.7 ± 1.2
84	E+15, 1+92	1.1 ± 0.1	0.92 ± 0.10	0.17 ± 0.08	4.1 ± 4.5	0.53 ± 0.20	9.1 ± 1.3
85	E+30, 1+32	1.0 ± 0.1	4.8 ± 0.2	0.18 ± 0.08	< 1.9	0.48 ± 0.18	10 ± 1
86	E+30, 1+47	0.72 ± 0.12	3.8 ± 0.2	0.14 ± 0.06	1.9 ± 2.9	0.78 ± 0.18	12 ± 1
87	E+30, 1+62	0.58 ± 0.09	0.86 ± 0.8	0.05 ± 0.06	< 1.9	0.57 ± 0.17	10 ± 1
88	E+30, 1+77	1.2 ± 0.1	0.86 ± 0.9	0.17 ± 0.07	1.9 ± 2.9	0.68 ± 0.20	12 ± 1
89	E+30, 1+92	1.9 ± 0.2	1.2 ± 0.1	0.13 ± 0.08	7.1 ± 6.2	0.74 ± 0.25	12 ± 2
90	E+45, 1+32	1.4 ± 0.2	2.6 ± 0.2	0.27 ± 0.08	< 2.9	0.60 ± 0.24	12 ± 2
91	E+45, 1+47	1.3 ± 0.2	24 ± 1	0.95 ± 0.17	16 ± 7	0.66 ± 0.20	13 ± 1
92	E+45, 1+62	4.4 ± 0.2	0.15 ± 0.05	0.18 ± 0.08	6.7 ± 5.5	0.73 ± 0.23	2.5 ± 0.8
93	E+45, 1+77	1.8 ± 0.2	1.1 ± 0.1	0.19 ± 0.10	< 4.9	0.76 ± 0.28	8.2 ± 1.3
94	E+45, 1+92	1.2 ± 0.2	0.88 ± 0.10	0.15 ± 0.07	3.5 ± 5.1	0.68 ± 0.24	9.9 ± 1.4
95	E+60, 1+32	0.94 ± 0.14	0.96 ± 0.10	0.10 ± 0.07	< 3.9	0.86 ± 0.25	11 ± 2
96	E+60, 1+47	0.96 ± 0.15	1.1 ± 0.1	0.14 ± 0.08	6.6 ± 6.9	0.73 ± 0.24	9.2 ± 1.4

[a]Errors are 2 σ based on counting statistics only.

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Niagara Falls Storage Site Vicinity Properties, New York, Site Certification Data Summary Worksheet

Concentrations of Radionuclides in Biased Soil Samples Collected from the Area of Building Foundations 707-F and 718

Table 4 in 1982 PRAR

Sample Number[a]	Concentration (pCi/g)						
	Ra-226	Cs-137	U-235	U-238	Th-232	K-40	Sr-90
B1	1.9 ± 0.5[b]	220 ± 1	3.1 ± 0.6	24 ± 11	0.45 ± 0.29	4.9 ± 1.1	
B1*	2.6 ± 0.3	69 ± 0.8	0.67 ± 0.27	4.4 ± 6.4	0.46 ± 0.27	5.2 ± 1.0	12.8 ± 1.0
B2	12 ± 1	1025 ± 3	25 ± 1	22 ± 16	0.86 ± 0.60	5.8 ± 1.0	35.2 ± 1.4
B2*	1.4 ± 0.2	31 ± 0.5	0.32 ± 0.15	< 4.9	0.33 ± 0.20	4.9 ± 0.9	
B3	2.8 ± 0.4	89 ± 0.9	0.78 ± 0.23	< 6.7	0.60 ± 0.26	9.0 ± 1.5	51.0 ± 1.6
B3*	2.3 ± 0.3	40 ± 0.6	0.47 ± 0.19	11 ± 8	0.86 ± 0.27	11 ± 2	29.6 ± 1.2
B4	1.1 ± 0.2	20 ± 0.4	0.48 ± 0.15	8.0 ± 6.5	0.83 ± 0.32	9.3 ± 1.3	
B4*	1.3 ± 0.3	57 ± 0.8	1.2 ± 0.3	30 ± 10	1.5 ± 0.3	14 ± 2	111 ± 3
B5	1.2 ± 0.3	65 ± 0.7	0.70 ± 0.25	8.1 ± 7.8	1.5 ± 0.3	11 ± 1	65.4 ± 2.4
B5*	1.4 ± 0.2	25 ± 0.5	0.39 ± 0.17	8.8 ± 6.3	0.63 ± 0.26	13 ± 2	
B6	1.7 ± 0.3	72 ± 0.8	1.7 ± 0.2	49 ± 10	0.87 ± 0.23	11 ± 1	
B6*	2.0 ± 0.3	65 ± 0.7	1.5 ± 0.2	29 ± 7	0.67 ± 0.21	11 ± 1	
B7	0.78 ± 0.14	16 ± 0.3	0.50 ± 0.12	15 ± 5	0.71 ± 0.22	14 ± 1	
B7*	0.87 ± 0.17	20 ± 0.4	0.39 ± 0.12	10 ± 6	0.68 ± 0.19	13 ± 1	
B8	0.68 ± 0.22	64 ± 0.6	0.20 ± 0.16	7.4 ± 4.0	0.44 ± 0.14	8.8 ± 1.1	
B8*	0.59 ± 0.11	2.5 ± 0.1	0.19 ± 0.06	5.2 ± 4.5	0.71 ± 0.18	10 ± 1	
B9*	1.0 ± 0.2	14 ± 0.3	0.22 ± 0.09	< 3.0	0.67 ± 0.20	13 ± 1	
B10	1.1 ± 0.2	30 ± 0.5	0.64 ± 0.12	15 ± 6	0.62 ± 0.18	9.9 ± 1.2	
B10*	0.4 ± 0.1	11 ± 0.3	0.15 ± 0.08	< 2.2	0.41 ± 0.13	6.3 ± 0.9	
B11[c]	0.74 ± 0.09	4.1 ± 0.1	0.18 ± 0.05	< 1.6	0.31 ± 0.11	5.7 ± 0.7	

[a]Samples without * were collected after remedial action but prior to additional soil removal.
Samples with * were collected after the property owner removed additional soil in these areas.
[b]Errors indicated are 2 σ based on counting statistics only.
[c]Sample of sediment from pit below building foundation 718.

Locations Along Vine Street Indicating Surface Contact Exposure Rates Exceeding µR/h

Table 5 in 1982 PRAR

Location	Grid Point	Radiation levels measured following remedial action only (µR/h)	Radiation levels after additional soil removal (µR/h)
V2	L+85, 1+70	44	13
V3	L+85, 1+95	51	16
V4	L, 2+70	76	18
V5	K+70, 3+00	71	27
V6	K+50, 3+00	140	16
V7	K+45, 2+90	89	11
V8	K+10, 3+60	36	22
V9	J+70, 3+80	178	27
V10	I+85, 4+90	67	16
V11	I+70, 4+95	44	22
V12	I+20, 5+45	56	22
V13	I+20, 5+50	56	22
V14	I+15, 5+60	71	22
V15	H+70, 6+05	44	22
V16	H+8, 6+50	93	27
V17	H+5, 6+55	111	18
V18	G+35, 7+45	40	22
V19	G+50, 7+50	51	16
V20	G+30, 7+65	71	18
V21	G+45, 7+10	38	20
V22	G+35, 7+20	44	33
V23	G+20, 7+25	56	29
V24	G+10, 7+60	44	20
V25	F+95, 7+65	78	18
V26	F+15, 8+95	51	11

Concentrations of Radionuclides in Systematic Surface Soil Samples Collected from the Remedial Action Area of Vine Street

Table 6 in 1982 PRAR

Sample Number[a]	Grid Point	Concentration (pCi/g)					
		Ra-226	Cs-137	U-235	U-238	Th-232	K-40
102	L+60, 2+20	8.0 ± 0.3[b]	0.50 ± 0.08	0.63 ± 0.11	8.3 ± 7.6	0.95 ± 0.25	8.5 ± 1.2
103	L+25, 1+90	1.4 ± 0.2	1.2 ± 0.1	0.06 ± 0.10	6.1 ± 6.6	0.76 ± 0.32	15 ± 2
104	K+65, 2+70	1.2 ± 0.1	0.22 ± 0.06	0.12 ± 0.06	< 3.8	0.63 ± 0.19	11 ± 1
105	L+00, 3+00	1.6 ± 0.2	0.52 ± 0.08	0.19 ± 0.07	6.5 ± 5.8	0.80 ± 0.26	12 ± 2
106	J+85, 3+30	2.6 ± 0.2	0.23 ± 0.07	0.12 ± 0.08	< 3.6	1.2 ± 0.3	17 ± 2
107	K+20, 3+60	3.4 ± 0.2	0.50 ± 0.09	0.22 ± 0.08	< 2.4	0.58 ± 0.23	12 ± 2
108	J+30, 4+15	2.4 ± 0.2	0.46 ± 0.08	0.27 ± 0.09	10 ± 8	1.1 ± 0.3	18 ± 2
109	J+60, 4+45	1.4 ± 0.2	0.41 ± 0.07	0.26 ± 0.12	2.6 ± 4.1	0.98 ± 1.23	14 ± 2
110	I+45, 4+70	3.3 ± 0.3	0.45 ± 0.08	0.31 ± 0.10	< 4.0	0.92 ± 0.24	14 ± 2
111	I+80, 5+05	0.69 ± 0.10	0.04 ± 0.04	0.06 ± 0.05	5.8 ± 4.8	0.56 ± 0.20	13 ± 1
112	H+85, 5+55	1.1 ± 0.1	0.46 ± 0.08	0.15 ± 0.06	< 2.7	0.61 ± 0.21	10 ± 1
113	I+15, 5+90	23 ± 0.1	0.60 ± 0.11	1.4 ± 0.2	< 6.7	0.62 ± 0.38	14 ± 2
114	H+5, 6+15	1.1 ± 0.1	0.52 ± 0.09	0.15 ± 0.07	3.0 ± 4.5	0.70 ± 0.22	12 ± 2
115	H+40, 6+50	3.5 ± 0.2	0.21 ± 0.06	0.30 ± 0.09	2.7 ± 4.1	0.56 ± 0.19	12 ± 1
116	G+50, 7+00	1.9 ± 0.2	0.14 ± 0.05	0.19 ± 0.07	< 2.7	0.95 ± 0.24	12 ± 1
117	G+80, 7+30	1.2 ± 0.1	0.60 ± 0.08	0.08 ± 0.06	< 2.1	0.78 ± 0.20	11 ± 1
118	F+70, 7+60	1.8 ± 0.2	0.44 ± 0.08	0.11 ± 0.08	< 4.6	1.2 ± 0.3	13 ± 2
119	G, 7+90	5.7 ± 0.3	0.33 ± 0.07	0.20 ± 0.11	5.3 ± 7.9	< 0.22	9.4 ± 1.3
120	F+5, 8+40	0.88 ± 0.13	0.09 ± 0.06	0.05 ± 0.07	< 4.2	0.37 ± 0.22	8.9 ± 1.3
121	F+40, 8+75	1.1 ± 0.2	0.71 ± 0.10	0.08 ± 0.07	3.6 ± 4.7	1.1 ± 0.3	11 ± 2
122	E+25, 9+05	0.88 ± 0.15	0.70 ± 0.10	0.10 ± 0.08	2.9 ± 4.0	0.67 ± 0.25	12 ± 2
123	E+55, 9+35	0.97 ± 0.14	0.59 ± 0.09	0.07 ± 0.06	< 3.0	0.80 ± 0.23	11 ± 2
124	D+70, 9+85	0.73 ± 0.13	0.31 ± 0.06	0.12 ± 0.05	< 3.0	0.95 ± 0.22	11 ± 2
125	E+5, 10+15	0.85 ± 0.13	0.67 ± 0.09	0.18 ± 0.07	4.0 ± 4.7	0.77 ± 0.24	13 ± 2
126	C+90, 10+50	0.59 ± 0.13	0.54 ± 0.09	0.08 ± 0.06	3.5 ± 5.0	0.62 ± 0.26	12 ± 2
127	D+20, 10+80	0.77 ± 0.12	0.47 ± 0.07	0.10 ± 0.06	< 2.0	0.61 ± 0.20	11 ± 1
128	C+25, 11+30	0.83 ± 0.12	0.54 ± 0.09	0.08 ± 0.06	< 2.8	0.44 ± 0.21	11 ± 2
129	C+60, 11+60	0.81 ± 0.13	0.48 ± 0.08	0.05 ± 0.06	4.2 ± 4.6	0.59 ± 0.23	10 ± 2
130	B+45, 11+90	0.77 ± 0.15	0.81 ± 0.10	0.10 ± 0.08	< 4.5	0.63 ± 0.28	12 ± 2
131	B+80, 12+25	0.76 ± 0.12	0.50 ± 0.07	0.07 ± 0.05	3.8 ± 4.3	0.86 ± 0.21	11 ± 1
132	A+85, 12+70	0.64 ± 0.12	0.35 ± 0.07	0.08 ± 0.06	< 2.8	0.52 ± 0.18	11 ± 2
133	B+20, 13+00	1.4 ± 0.2	0.50 ± 0.08	0.10 ± 0.06	< 3.1	0.72 ± 0.22	11 ± 1
134	A+10, 13+30	0.94 ± 0.15	0.26 ± 0.07	0.06 ± 0.06	4.2 ± 5.1	0.78 ± 0.25	14 ± 2
135	A+40, 13+65	0.81 ± 0.12	0.42 ± 0.07	0.09 ± 0.05	< 2.4	0.58 ± 0.19	11 ± 1
136	A-10, 13+65	0.73 ± 0.11	0.10 ± 0.04	0.08 ± 0.05	3.8 ± 3.8	0.86 ± 0.20	13 ± 2
137	A-10, 14+30	1.1 ± 0.2	0.48 ± 0.07	0.09 ± 0.07	8.0 ± 4.2	0.70 ± 0.23	11 ± 1
138	L+70, 1+65	3.5 ± 0.3	0.37 ± 0.09	0.11 ± 0.10	3.4 ± 7.4	0.50 ± 0.30	13 ± 2
139	M, 1+85	1.5 ± 0.1	0.04 ± 0.04	0.15 ± 0.06	3.9 ± 4.3	0.79 ± 0.18	15 ± 1
140	L, 2+35	3.8 ± 0.3	0.73 ± 0.11	0.26 ± 0.11	5.6 ± 8.9	0.59 ± 0.29	10 ± 1
141	L+25, 2+55	2.0 ± 0.2	0.12 ± 0.06	0.14 ± 0.08	< 4.9	0.84 ± 0.28	16 ± 2
142	K+30, 3+10	3.6 ± 0.2	0.75 ± 0.10	0.13 ± 0.10	12 ± 8	0.78 ± 0.27	14 ± 2
143	K+55, 3+30	0.23 ± 0.06	0.05 ± 0.02	0.04 ± 0.03	< 1.9	0.07 ± 0.09	1.9 ± 0.6
144	J+60, 3+80	7.3 ± 0.3	0.53 ± 0.10	0.27 ± 0.13	3.1 ± 8.8	0.60 ± 0.32	13 ± 2
145	J+85, 4+00	1.2 ± 0.1	0.06 ± 0.03	0.08 ± 0.05	< 2.7	0.66 ± 0.18	13 ± 1
146	I+95, 4+50	1.8 ± 0.2	0.51 ± 0.08	0.14 ± 0.07	4.6 ± 5.5	0.77 ± 0.22	13 ± 2
147	J+20, 4+70	2.9 ± 0.2	0.63 ± 0.08	0.12 ± 0.09	5.9 ± 6.5	1.0 ± 0.3	11 ± 2
148	F, 9+00	2.3 ± 0.2	0.74 ± 0.09	0.25 ± 0.08	< 3.3	0.80 ± 0.23	11 ± 1
149	E+75, 8+80	0.94 ± 0.12	0.42 ± 0.07	0.12 ± 0.05	< 3.4	1.0 ± 0.2	12 ± 1
150	F+30, 8+65	1.9 ± 0.2	0.85 ± 0.09	0.25 ± 0.07	< 3.2	0.56 ± 0.21	9.1 ± 1.2
151	F+70, 8+25	1.3 ± 0.2	0.52 ± 0.07	0.17 ± 0.06	5.5 ± 5.2	0.66 ± 0.18	11 ± 1
152	F+45, 8+05	1.1 ± 0.1	0.28 ± 0.06	0.11 ± 0.05	4.0 ± 3.7	0.60 ± 0.17	9.0 ± 1.1
153	F+75, 7+70	2.0 ± 0.2	0.47 ± 0.06	0.18 ± 0.06	5.3 ± 4.2	0.68 ± 0.17	10 ± 1
154	G+10, 7+35	3.3 ± 0.2	0.03 ± 0.04	0.27 ± 0.08	4.8 ± 4.8	0.73 ± 0.21	11 ± 1
155	G+35, 7+55	6.9 ± 0.3	0.41 ± 0.08	0.71 ± 0.12	< 3.2	1.0 ± 0.3	11 ± 1
156	G+70, 7+20	1.5 ± 0.1	0.07 ± 0.04	0.13 ± 0.06	5.7 ± 4.3	0.72 ± 0.18	12 ± 1
157	H+5, 6+80	1.2 ± 0.1	0.02 ± 0.03	0.15 ± 0.05	4.0 ± 4.2	0.84 ± 0.20	12 ± 1
158	G+80, 6+65	2.1 ± 0.2	0.66 ± 0.07	0.18 ± 0.07	< 3.8	0.73 ± 0.21	13 ± 1
159	H+15, 6+25	1.4 ± 0.2	0.57 ± 0.08	0.12 ± 0.06	3.1 ± 3.6	0.81 ± 0.21	12 ± 1
160	H+80, 6+15	1.8 ± 0.1	0.33 ± 0.06	0.14 ± 0.06	< 3.1	0.51 ± 0.17	12 ± 1
161	I+10, 5+75	8.1 ± 0.3	0.33 ± 0.08	0.66 ± 0.12	< 3.7	0.77 ± 0.25	14 ± 2
162	H+50, 5+95	0.53 ± 0.09	0.08 ± 0.04	0.07 ± 0.04	6.0 ± 4.1	0.59 ± 0.18	11 ± 1
163	J+50, 4+35	1.2 ± 0.1	0.40 ± 0.07	0.23 ± 0.07	3.9 ± 4.9	0.82 ± 0.22	15 ± 2
164	I+50, 5+35	2.0 ± 0.2	0.26 ± 0.06	0.63 ± 0.06	< 3.1	0.62 ± 0.22	18 ± 2
165	L+35, 1+95	0.85 ± 0.11	0.51 ± 0.06	0.07 ± 0.05	< 2.9	0.64 ± 0.17	13 ± 1
166	I+20, 5+20	1.4 ± 0.1	0.43 ± 0.06	0.21 ± 0.06	< 3.1	0.53 ± 0.18	8.7 ± 1.1
167	J+95, 3+40	4.7 ± 0.2	0.38 ± 0.06	0.32 ± 0.09	5.2 ± 5.0	0.53 ± 0.20	13 ± 1
168	I+55, 4+85	1.7 ± 0.1	0.36 ± 0.05	0.09 ± 0.06	3.7 ± 4.2	0.60 ± 0.17	13 ± 1
170	K+90, 2+90	3.7 ± 0.2	0.35 ± 0.07	0.30 ± 0.08	5.1 ± 4.5	0.78 ± 0.23	12 ± 1

[a]Errors indicated are 2 σ based on counting statistics only.

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Niagara Falls Storage Site Vicinity Properties, New York, Site Certification Data Summary Worksheet

Thirty-two tables referenced in the NFSS VPs Certification Docket provide the evidence used to certify the site as clean.

The ten tables below come from the "1986 PRAR," which is the BNI report "Post-Remedial Action Report for the Niagara Falls Storage Site Vicinity Properties - 1983 and 1984" (December 1986).

The remedial action guideline for radium-226 concentrations in soil more than six inches beneath the ground surface = 15 pCi/g

Post-Remedial Action Sampling Results for Property A

Table 2 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E3228	N3708	A	1.4 ± 0.1	0.6 ± 0.1
E3370	N3780	A	1.2 ± 0.1	0.8 ± 0.1
E3388	N3780	A	0.7 ± 0.1	0.5 ± 0.1
E3390	N3770	A	1.9 ± 0.1	0.9 ± 0.2
E3398	N3777	A	0.9 ± 0.1	1.0 ± 0.2

"A" denotes less than detectable activity.

Post-Remedial Action Sampling Results for Property L

Table 4 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E0880	S2620			
E0880	S2640	A	0.9 ± 0.1	0.3 ± 0.1
E0880	S2660	A	4.3 ± 0.2	1.4 ± 0.2
E0880	S2680	4.8 ± 2.4	6.4 ± 0.2	1.4 ± 0.2
E0880	S2700	8.8 ± 3.2	7.7 ± 0.3	1.1 ± 0.3
E0880	S2720	A	1.2 ± 0.1	0.6 ± 0.2
E0880	S2740	A	1.5 ± 0.1	0.8 ± 0.2
E0880	S2760	4.5 ± 1.8	1.9 ± 0.2	1.4 ± 0.2
E0880	S2780	A	0.8 ± 0.1	0.8 ± 0.1
E0880	S2800	A	1.7 ± 0.1	0.8 ± 0.1
E0880	S2820	A	1.4 ± 0.1	0.7 ± 0.1
E0880	S2840	A	2.1 ± 0.2	2.0 ± 0.1
E0880	S2860	A	1.5 ± 0.1	1.4 ± 0.2
E0880	S2875	A	1.1 ± 0.1	1.4 ± 0.3
E0885	S2336	A	5.8 ± 0.2	0.9 ± 0.2

"A" denotes less than detectable activity.

Post-Remedial Action Sampling Results for Property M

Table 5 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E0920	S2220	A	21.9 ± 2.1	4.4 ± 1.9
E0920	S2240	A	1.2 ± 0.2	0.3 ± 0.1
E0920	S2260	A	10.6 ± 0.3	A
E0920	S2280	A	9.0 ± 0.3	0.7 ± 0.2
E0920	S2300	A	3.3 ± 0.2	1.0 ± 0.2
E0920	S2520	A	9.2 ± 0.3	0.7 ± 0.2
E0925	S2420	A	2.4 ± 0.2	1.2 ± 0.2
E0925	S2440	A	1.4 ± 0.1	1.2 ± 0.2
E0925	S2460	A	1.9 ± 0.2	0.9 ± 0.2
E0925	S2480	A	1.8 ± 0.2	0.7 ± 0.2
E0925	S2500	A	5.3 ± 0.3	1.4 ± 0.3
E0925	S2540	A	4.0 ± 0.3	A
E0925	S2560	A	1.6 ± 0.1	0.9 ± 0.2
E0925	S2580	1.5 ± 1.4	1.3 ± 0.1	1.4 ± 0.2
E0925	S2600	A	1.2 ± 0.1	1.2 ± 0.2
E0925	S2620	1.1 ± 0.1	1.5 ± 0.1	1.2 ± 0.2
E0925	S2640	A	1.9 ± 0.1	0.9 ± 0.2
E0925	S2660	A	1.2 ± 0.1	A
E0925	S2680	3.3 ± 2.0	2.7 ± 0.2	0.9 ± 0.4
E0925	S2700	A	1.3 ± 0.1	0.9 ± 0.2
E0925	S2720	A	1.0 ± 0.1	0.5 ± 0.2
E0925	S2740	A	2.1 ± 0.2	0.8 ± 0.3
E0925	S2760	1.7 ± 1.2	1.8 ± 0.2	1.2 ± 0.2
E0928	S2150	A	4.2 ± 0.2	A
E0940	S2160	2.9 ± 2.0	1.4 ± 1.3	1.0 ± 0.2
E0940	S2180	A	1.8 ± 0.2	1.2 ± 0.3
E0940	S2220	A	1.9 ± 0.2	1.4 ± 0.2
E0940	S2240	A	1.5 ± 0.1	0.9 ± 0.2
E0940	S2260	2.0 ± 1.4	1.7 ± 0.1	0.9 ± 0.3
E0940	S2280	A	2.6 ± 0.2	1.4 ± 0.2
E0940	S2300	A	1.5 ± 0.1	0.8 ± 0.2

"A" denotes less than detectable activity.

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Niagara Falls Storage Site Vicinity Properties, New York, Site Certification Data Summary Worksheet

Post-Remedial Action Sampling Results for Property H*

Table 3 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E0900	N2000	A	1.1 ± 0.1	1.3 ± 0.2
E0900	N2020	2.8 ± 1.3	0.7 ± 0.1	0.7 ± 0.2
E0900	N2040	A	1.0 ± 0.1	1.4 ± 0.2
E0910	N2010	A	1.0 ± 0.1	0.7 ± 0.2
E0910	N2030	A	2.5 ± 0.2	A
E0910	N2050	A	0.8 ± 0.1	0.7 ± 0.1
E0920	N2000	A	1.1 ± 0.1	0.9 ± 0.2
E0920	N2020	A	2.0 ± 0.1	0.9 ± 0.2
E0920	N2040	A	1.0 ± 0.1	0.9 ± 0.2
E0920	N2060	A	0.9 ± 0.1	1.1 ± 0.2
E0930	N2010	A	0.7 ± 0.1	1.2 ± 0.2
E0930	N2030	A	1.9 ± 0.2	1.1 ± 0.2
E0930	N2050	A	1.0 ± 0.1	1.1 ± 0.2
E0940	N2000	A	1.1 ± 0.1	0.1 ± 0.2
E0940	N2020	A	0.7 ± 0.1	0.7 ± 0.2
E0940	N2040	A	2.0 ± 0.1	0.8 ± 0.2
E0940	N2060	5.9 ± 1.5	1.2 ± 0.1	1.0 ± 0.2
E0950	N2010	A	0.9 ± 0.1	1.1 ± 0.2
E0950	N2030	A	1.3 ± 0.1	1.1 ± 0.2
E0950	N2050	A	2.2 ± 0.2	1.0 ± 0.2
E0960	N2000	A	0.7 ± 0.9	1.1 ± 0.1
E0960	N2020	A	1.6 ± 0.1	0.8 ± 0.1
E0960	N2040	1.6 ± 1.4	0.9 ± 0.1	0.9 ± 0.2
E0960	N2060	A	0.9 ± 0.1	1.1 ± 0.2
E0970	N2010	A	0.9 ± 0.1	0.8 ± 0.2
E0970	N2030	A	0.8 ± 0.1	1.2 ± 0.2
E0970	N2050	A	1.3 ± 0.1	0.9 ± 0.1
E0980	N2000	A	1.2 ± 0.1	0.8 ± 0.1
E0980	N2040	2.4 ± 1.1	0.7 ± 0.1	1.0 ± 0.1
E0980	N2060	A	0.9 ± 0.1	1.1 ± 0.2
E0990	N2010	1.3 ± 0.8	1.0 ± 0.1	0.7 ± 0.1
E0990	N2030	A	1.3 ± 0.1	0.8 ± 0.1
E1000	N2050	A	1.0 ± 0.1	0.8 ± 0.3
E1000	N1960	A	7.5 ± 0.1	1.1 ± 0.3
E1000	N1980	A	2.1 ± 0.2	0.9 ± 0.2
E1000	N2000	6.6 ± 1.9	1.9 ± 0.1	1.2 ± 0.2
E1000	N2020	8.3 ± 2.1	2.2 ± 0.2	1.5 ± 0.2
E1000	N2040	A	1.8 ± 0.1	0.6 ± 0.2
E1000	N2060	A	2.4 ± 0.2	0.5 ± 0.2
E1000	N2080	A	1.2 ± 0.1	1.0 ± 0.2
E1010	N1970	A	0.7 ± 0.1	1.0 ± 0.2
E1010	N2010	4.3 ± 1.4	0.8 ± 0.1	0.6 ± 0.2
E1010	N2030	A	0.8 ± 0.1	1.1 ± 0.2
E1010	N2050	A	1.3 ± 0.1	1.0 ± 0.2
E1010	N2070	0.9 ± 1.1	1.1 ± 0.1	0.7 ± 0.2
E1010	N2090	A	0.6 ± 0.1	0.5 ± 0.1
E1010	N2110	A	0.7 ± 0.1	1.0 ± 0.1
E1010	N2130	A	0.7 ± 0.1	0.6 ± 0.1
E1020	N1960	A	1.3 ± 0.1	0.8 ± 0.2
E1020	N1980	A	1.0 ± 0.1	0.8 ± 0.2
E1020	N1990	4.8 ± 1.3	2.0 ± 0.1	0.7 ± 0.2
E1020	N2000	A	1.2 ± 0.1	1.2 ± 0.2
E1020	N2020	8.4 ± 1.5	1.0 ± 0.1	1.1 ± 0.2
E1020	N2040	A	1.1 ± 0.1	1.0 ± 0.2
E1020	N2060	A	1.3 ± 0.1	0.6 ± 0.2
E1020	N2080	A	1.1 ± 0.1	0.9 ± 0.2
E1020	N2120	A	0.7 ± 0.1	1.1 ± 0.2
E1030	N1950	A	0.9 ± 0.1	0.8 ± 0.2
E1030	N1970	A	0.8 ± 0.1	0.7 ± 0.1
E1030	N1990	A	0.8 ± 0.1	0.7 ± 0.2
E1030	N2010	0.9 ± 1.4	1.1 ± 0.1	1.2 ± 0.2
E1030	N2030	A	1.2 ± 0.1	1.1 ± 0.2
E1030	N2050	2.8 ± 1.1	1.0 ± 0.1	0.5 ± 0.2
E1030	N2070	A	0.9 ± 0.1	0.9 ± 0.1
E1030	N2100	A	0.9 ± 0.1	0.7 ± 0.1
E1030	N2110	A	1.1 ± 0.1	1.0 ± 0.2
E1030	N2130	A	0.9 ± 0.1	0.9 ± 0.2
E1040	N1960	A	1.2 ± 0.1	1.1 ± 0.2
E1040	N1980	A	1.1 ± 0.1	0.9 ± 0.2
E1040	N2000	A	1.1 ± 0.1	1.2 ± 0.2
E1040	N2020	A	1.2 ± 0.1	1.6 ± 0.2
E1040	N2040	A	1.3 ± 0.1	1.1 ± 0.2

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E1040	N2060	A	4.5 ± 0.2	0.9 ± 0.2
E1040	N2100	A	0.9 ± 0.1	1.2 ± 0.2
E1040	N2120	A	0.5 ± 0.1	0.9 ± 0.2
E1050	N1950	A	1.2 ± 0.1	1.0 ± 0.2
E1050	N1960	A	1.2 ± 0.1	0.8 ± 0.2
E1050	N1970	A	1.2 ± 0.1	1.1 ± 0.2
E1050	N1990	A	1.5 ± 0.1	1.5 ± 0.2
E1050	N2010	A	1.2 ± 0.1	1.2 ± 0.2
E1050	N2030	5.0 ± 1.5	3.7 ± 0.2	1.4 ± 0.2
E1050	N2070	1.3 ± 0.9	1.1 ± 0.1	1.0 ± 0.2
E1050	N2110	A	A	0.5 ± 0.2
E1060	N1960	A	1.2 ± 0.1	1.3 ± 0.2
E1060	N1980	A	1.2 ± 0.1	1.6 ± 0.2
E1060	N2000	A	1.3 ± 0.1	1.1 ± 0.2
E1060	N2040	A	3.1 ± 0.2	1.2 ± 0.2
E1060	N2060	A	11.9 ± 0.4	0.8 ± 0.3
E1060	N2080	A	1.6 ± 0.1	0.6 ± 0.2
E1060	N2100	A	1.1 ± 0.1	0.9 ± 0.2
E1060	N2120	A	0.7 ± 0.1	0.5 ± 0.2
E1070	N1950	0.9 ± 1.0	0.9 ± 0.1	0.9 ± 0.2
E1070	N1970	A	1.0 ± 0.1	1.1 ± 0.2
E1070	N1990	A	1.3 ± 0.1	1.1 ± 0.2
E1070	N2010	A	0.8 ± 0.1	0.5 ± 0.2
E1070	N2020	A	13.7 ± 0.4	0.6 ± 0.3
E1070	N2030	A	17.9 ± 0.4	0.4 ± 0.3
E1070	N2050	A	7.2 ± 0.3	0.5 ± 0.2
E1080	N1960	A	1.3 ± 0.1	0.8 ± 0.2
E1080	N1980	A	0.9 ± 0.1	0.9 ± 0.2
E1080	N2000	A	1.5 ± 0.1	1.7 ± 0.2
E1080	N2020	A	1.2 ± 0.1	1.1 ± 0.2
E1080	N2060	1.1 ± 1.5	3.6 ± 0.2	0.8 ± 0.2
E1080	N2080	A	1.1 ± 0.1	1.1 ± 0.2
E1080	N2100	A	5.3 ± 0.3	1.0 ± 0.2
E1080	N2110	A	0.9 ± 0.1	0.8 ± 0.2
E1080	N2120	A	1.0 ± 0.1	1.0 ± 0.2
E1090	N1950	A	1.1 ± 0.1	0.7 ± 0.2
E1090	N1970	A	1.0 ± 0.1	1.1 ± 0.2
E1090	N1990	A	1.4 ± 0.1	1.6 ± 0.2
E1090	N2010	A	2.6 ± 0.2	0.9 ± 0.3
E1090	N2030	A	1.4 ± 0.1	1.2 ± 0.2
E1090	N2050	2.6 ± 1.2	1.6 ± 0.1	0.9 ± 0.2
E1090	N2070	A	1.0 ± 0.1	1.0 ± 0.2
E1100	N1960	A	1.3 ± 0.1	0.7 ± 0.2
E1100	N1970	1.4 ± 1.0	1.0 ± 0.1	1.0 ± 0.2
E1100	N1980	A	1.0 ± 0.1	1.1 ± 0.3
E1100	N2000	A	1.3 ± 0.2	1.4 ± 0.2
E1100	N2020	A	1.4 ± 0.2	1.2 ± 0.2
E1100	N2040	A	1.9 ± 0.1	0.9 ± 0.2
E1100	N2065	A	2.0 ± 0.1	1.4 ± 0.2
E1100	N2080	A	1.4 ± 0.1	0.9 ± 0.2
E1100	N2100	A	1.1 ± 0.1	0.8 ± 0.2
E1100	N2120	A	1.2 ± 0.1	0.9 ± 0.2
E1110	N1950	8.5 ± 1.5	1.1 ± 0.1	1.0 ± 0.2
E1110	N1990	A	1.0 ± 0.1	0.9 ± 0.2
E1110	N2010	A	1.1 ± 0.1	1.2 ± 0.2
E1110	N2030	A	1.5 ± 0.1	1.4 ± 0.2
E1110	N2050	A	2.1 ± 0.1	1.6 ± 0.2
E1110	N2070	A	1.2 ± 0.2	1.6 ± 0.2
E1110	N2090	A	0.9 ± 0.1	A
E1110	N2110	A	1.1 ± 0.1	0.7 ± 0.1
E1120	N1960	A	1.6 ± 0.1	0.9 ± 0.2
E1120	N1980	4.0 ± 1.3	1.1 ± 0.2	1.0 ± 0.2
E1120	N2000	2.5 ± 1.6	1.0 ± 0.2	1.3 ± 0.2
E1120	A	1.2 ± 0.1	1.4 ± 0.2	A
E1120	A	1.5 ± 0.2	1.3 ± 0.2	A
E1120	A	1.2 ± 0.1	0.9 ± 0.2	A
E1120	N2080	A	1.2 ± 0.1	0.3 ± 0.2
E1120	N2120	A	0.9 ± 0.1	A
E1130	N1950	A	2.7 ± 0.2	0.5 ± 0.2
E1130	N1970	A	1.2 ± 0.1	0.9 ± 0.2
E1130	N1990	A	1.0 ± 0.1	0.8 ± 0.2
E1130	N2010	A	2.9 ± 1.3	0.8 ± 0.2

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E1130	N2020	A	0.6 ± 0.1	0.4 ± 0.2
E1130	N2030	A	1.3 ± 0.1	1.3 ± 0.2
E1130	N2050	A	2.0 ± 0.1	1.2 ± 0.2
E1130	N2070	A	0.9 ± 0.1	1.0 ± 0.1
E1130	N2090	A	1.4 ± 0.1	1.3 ± 0.2
E1130	N2110	A	1.2 ± 0.1	0.9 ± 0.2
E1140	N1960	1.6 ± 1.4	1.4 ± 0.2	1.1 ± 0.2
E1140	N1980	A	1.3 ± 0.1	1.0 ± 0.2
E1140	N2000	7.4 ± 1.7	2.6 ± 0.2	1.2 ± 0.2
E1140	N2040	A	1.5 ± 0.1	1.3 ± 0.2
E1140	N2060	A	0.8 ± 0.2	1.3 ± 0.2
E1140	N2080	A	1.6 ± 0.1	1.1 ± 0.2
E1140	N2100	A	1.2 ± 0.1	0.7 ± 0.2
E1140	N2120	A	1.1 ± 0.1	1.0 ± 0.2
E1140	N2140	A	1.0 ± 0.1	1.1 ± 0.2
E1150	N1950	A	1.2 ± 0.1	0.7 ± 0.1
E1150	N1970	A	1.1 ± 0.1	1.0 ± 0.2
E1150	N2010	19.4 ± 2.4	3.2 ± 0.2	0.9 ± 0.2
E1150	N2030	30.9 ± 5.1	40.3 ± 0.6	0.8 ± 0.4
E1150	N2070	A	13.2 ± 0.4	A
E1150	N2090	A	8.0 ± 0.3	0.8 ± 0.3
E1150	N2110	A	0.7 ± 0.1	0.9 ± 0.1
E1150	N2130	A	1.1 ± 0.1	1.3 ± 0.2
E1150	N2150	A	0.8 ± 0.1	0.6 ± 0.1
E1160	N1960	A	1.0 ± 0.1	1.1 ± 0.4
E1160	N2000	A	1.2 ± 0.1	1.8 ± 0.2
E1160	N2020	4.5 ± 1.0	6.3 ± 0.1	0.1 ± 0.1
E1160	N2040	A	1.3 ± 0.1	0.9 ± 0.2
E1160	N2050	A	2.4 ± 0.2	1.0 ± 0.2
E1160	N2060	A	1.1 ± 0.1	0.7 ± 0.2
E1160	N2080	A	1.3 ± 0.1	1.3 ± 0.2
E1160	N2100	A	1.8 ± 0.1	0.4 ± 0.2
E1160	N2120	A	1.3 ± 0.1	0.8 ± 0.1
E1160	N2140	A	0.9 ± 0.1	0.5 ± 0.1
E1160	N2160	4.4 ± 1.2	0.8 ± 0.1	1.0 ± 0.1
E1170	N1950	A	1.1 ± 0.1	1.2 ± 0.2
E1170	N1970	1.0 ± 1.1	1.0 ± 0.1	1.0 ± 0.2
E1170	N1990	A	1.1 ± 0.1	1.2 ± 0.2
E1170	N2010	A	1.4 ± 0.1	1.7 ± 0.2
E1170	N2030	A	1.1 ± 0.1	1.3 ± 0.2
E1170	N2050	7.6 ± 1.7	1.2 ± 0.1	1.2 ± 0.2
E1170	N2070	2.3 ± 1.1	1.1 ± 0.1	0.9 ± 0.2
E1170	N2090	A	8.4 ± 0.3	1.2 ± 0.2
E1170	N2110	3.7 ± 1.3	0.8 ± 0.1	1.4 ± 0.2
E1170	N2130	A	1.0 ± 0.1	0.8 ± 0.2
E1170	N2150	4.5 ± 1.2	1.2 ± 0.1	1.1 ± 0.2
E1170	N2170	A	1.2 ± 0.1	0.9 ± 0.2
E1180	N1960	A	0.7 ± 0.1	0.5 ± 0.1
E1180	N1980	A	1.1 ± 0.1	0.7 ± 0.1
E1180	N2000	A	0.9 ± 0.1	A
E1180	N2020	A	1.0 ± 0.1	1.4 ± 0.2
E1180	N2040	A	1.7 ± 0.1	0.9 ± 0.2
E1180	N2080	A	0.7 ± 0.1	0.8 ± 0.2
E1180	N2100	A	1.2 ± 0.1	1.5 ± 0.2
E1180	N2120	A	1.1 ± 0.1	1.2 ± 0.2
E1180	N2140	23.8 ± 2.5	1.4 ± 0.1	1.3 ± 0.2
E1180	N2160	A	1.0 ± 0.1	0.7 ± 0.1
E1180	N2180	2.0 ± 2.7	0.7 ± 0.1	0.7 ± 0.1
E1190	N1950	17.9 ± 2.0	0.9 ± 0.1	0.8 ± 0.2
E1190	N1970	4.5 ± 1.3	0.8 ± 0.1	0.8 ± 0.1
E1190	N1990	4.1 ± 0.1	1.2 ± 0.1	1.4 ± 0.2
E1190	N2010	A	1.1 ± 0.1	1.2 ± 0.2
E1190	N2030	A	1.0 ± 0.1	1.2 ± 0.2
E1190	N2050	A	0.9 ± 0.1	1.4 ± 0.2
E1190	N2070	A	2.8 ± 0.2	0.7 ± 0.2
E1190	N2090	A	1.6 ± 0.1	1.0 ± 0.2
E1190	N2110	18.0 ± 2.3	1.1 ± 0.1	1.0 ± 0.2
E1190	N2130	15.3 ± 2.0	0.8 ± 0.1	0.8 ± 0.1
E1190	N2150	A	1.0 ± 0.1	1.0 ± 0.2
E1190	N2170	A	0.8 ± 0.1	0.7 ± 0.2
E1190	N2190	A	0.8 ± 0.1	0.8 ± 0.2
E1200	N1960	3.4 ± 1.5	0.7 ± 0.1	1.4 ± 0.2

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E1200	N1980	9.2 ± 1.7	0.9 ± 0.1	0.9 ± 0.2
E1200	N2000	A	1.0 ± 0.1	1.0 ± 0.2
E1200	N2020	2.5 ± 1.1	1.1 ± 0.1	1.6 ± 0.2
E1200	N2040	A	1.7 ± 0.1	1.2 ± 0.2
E1200	N2060	13.4 ± 1.7	1.6 ± 0.1	0.9 ± 0.1
E1200	N2080	A	1.4 ± 0.1	0.8 ± 0.1
E1200	N2100	A	1.0 ± 0.1	0.5 ± 0.1
E1200	N2120	A	2.7 ± 0.2	1.0 ± 0.1
E1200	N2140	11.1 ± 1.8	1.1 ± 0.1	1.2 ± 0.2
E1200	N2160	A	1.0 ± 0.1	1.2 ± 0.2
E1200	N2180	A	1.0 ± 0.1	0.5 ± 0.1
E1210	N1950	A	0.9 ± 0.1	0.6 ± 0.1
E1210	N1970	8.8 ± 1.3	0.6 ± 0.1	A
E1210	N1990	11.2 ± 1.7	1.3 ± 0.1	1.2 ± 0.2
E1210	N2010	11.6 ± 3.8	24.7 ±	A
E1210	N2030	A	0.4 ± 0.1	0.1 ± 0.2
E1210	N2050	A	1.2 ± 0.1	1.4 ± 0.2
E1210	N2070	A	4.6 ± 0.2	1.2 ± 0.3
E1210	N2090	A	19.3 ±	1.2 ± 0.3
E1210	N2110	45.2 ± 2.8	1.5 ± 0.1	0.5 ± 0.1
E1210	N2150	3.5 ± 1.7	1.1 ± 0.2	0.9 ± 0.2
E1210	N2170	A	0.8 ± 0.9	0.9 ± 0.2
E1210	N2190	A	0.8 ± 0.1	1.1 ± 0.1
E1212	N2130	45.6 ± 3.5	0.6 ± 0.1	0.9 ± 0.1
E1220	N1960	A	0.8 ± 0.1	0.6 ± 0.1
E1220	N1980	12.3 ± 1.6	1.0 ± 0.1	0.8 ± 0.2
E1220	N2020	A	1.1 ± 0.1	1.4 ± 0.2
E1220	N2040	2.6 ± 1.2	0.7 ± 0.1	0.9 ± 0.1
E1220	N2070	A	4.0 ± 0.2	1.0 ± 0.2
E1220	N2100	A	1.2 ± 0.1	0.9 ± 0.2
E1220	N2120	13.8 ± 2.8	1.3 ± 0.2	1.4 ± 0.3
E1220	N2140	4.7 ± 1.2	1.0 ± 0.1	1.2 ± 0.3
E1220	N2160	A	1.0 ± 0.1	1.4 ± 0.2
E1220	N2180	A	0.9 ± 0.1	1.2 ± 0.2
E1230	N1950	A	1.3 ± 0.1	0.7 ± 0.2
E1230	N1970	A	1.2 ± 0.1	1.2 ± 0.2
E1230	N1990	8.5 ± 1.0	1.7 ± 0.1	1.7 ± 0.2
E1230	N2010	A	0.9 ± 0.1	0.7 ± 0.2
E1230	N2020	A	1.0 ± 0.1	0.8 ± 0.2
E1230	N2030	A	1.0 ± 0.1	0.9 ± 0.2
E1230	N2050	A	1.0 ± 0.1	0.9 ± 0.2
E1230	N2060	A	0.9 ± 0.1	0.8 ± 0.2
E1230	N2070	1.8 ± 1.2	1.1 ± 0.1	0.9 ± 0.2
E1230	N2090	3.0 ± 1.4	1.0 ± 0.1	1.0 ± 0.1
E1230	N2110	2.4 ± 2.0	1.3 ± 0.1	1.0 ± 0.2
E1230	N2130	3.2 ± 1.8	1.0 ± 0.1	1.0 ± 0.2
E1230	N2150	A	1.5 ± 0.1	1.1 ± 0.2
E1230	N2170	A	1.1 ± 0.1	1.1 ± 0.2
E1230	N2190	A	1.0 ± 0.1	0.7 ± 0.2
E1240	N1960	A	1.0 ± 0.1	0.9 ± 0.3
E1240	N1980	A	1.1 ± 0.1	1.6 ± 0.2
E1240	N2020	A	1.2 ± 0.1	0.8 ± 0.2
E1240	N2040	A	0.8 ± 0.1	1.0 ± 0.2
E1240	N2060	A	2.5 ± 0.2	0.9 ± 0.2
E1240	N2100	27.8 ± 5.9	58.8 ± 0.8	A
E1240	N2120	A	1.8 ± 0.1	0.7 ± 0.2
E1240	N2140	6.2 ± 1.4	0.9 ± 0.1	0.7 ± 0.1
E1240	N2160	A	1.0 ± 0.1	1.0 ± 0.2
E1240	N2180	A	0.8 ± 0.1	0.8 ± 0.2
E1250	N1950	A	0.9 ± 0.1	1.1 ± 0.2
E1250	N1970	A	1.3 ± 0.1	0.9 ± 0.2
E1250	N1990	A	1.0 ± 0.1	1.0 ± 0.2
E1250	N2000	A	1.1 ± 0.1	0.6 ± 0.1
E1250	N2010	A	4.8 ± 0.3	A
E1250	N2030	A	0.4 ± 0.7	0.2 ± 0.1
E1250	N2050	A	1.2 ± 0.1	1.2 ± 0.2
E1250	N2090	A	1.0 ± 0.1	1.1 ± 0.2
E1250	N2110	A	1.2 ± 0.1	0.9 ± 0.2
E1250	N2150	15.7 ± 1.9	3.1 ± 0.2	1.0 ± 0.2
E1260	N1960	A	0.8 ± 0.1	1.2 ± 0.2
E1260	N1984	A	0.9 ± 0.1	1.0 ± 0.1
E1260	N2020	A	0.9 ± 0.1	1.1 ± 0.2

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E1260	N2040	A	0.8 ± 0.1	1.1 ± 0.2
E1260	N2060	2.5 ± 1.7	1.0 ± 0.1	1.1 ± 0.2
E1260	N2080	2.5 ± 1.6	1.5 ± 0.1	0.8 ± 0.2
E1260	N2120	4.4 ± 2.1	2.7 ± 0.2	1.2 ± 0.2
E1260	N2140	A	1.2 ± 0.1	1.0 ± 0.2
E1260	N2160	A	0.7 ± 0.1	1.1 ± 0.1
E1260	N2180	A	0.7 ± 0.1	1.3 ± 0.2
E1270	N1950	A	1.2 ± 0.1	0.7 ± 0.2
E1270	N1964	3.9 ± 0.7	1.0 ± 0.1	1.3 ± 0.2
E1270	N1990	A	1.4 ± 0.1	1.0 ± 0.3
E1270	N2000	A	1.0 ± 0.2	0.9 ± 0.2
E1270	N2010	A	1.1 ± 0.1	1.4 ± 0.2
E1270	N2030	A	0.9 ± 0.1	1.3 ± 0.2
E1270	N2050	A	1.1 ± 0.1	1.2 ± 0.2
E1270	N2070	A	1.2 ± 0.1	1.2 ± 0.2
E1270	N2090	A	1.0 ± 0.1	1.8 ± 0.2
E1270	N2110	A	1.1 ± 0.1	1.2 ± 0.2
E1270	N2150	1.6 ± 1.1	0.9 ± 0.1	0.9 ± 0.2
E1270	N2170	A	0.6 ± 0.1	0.9 ± 0.2
E1270	N2190	A	1.4 ± 0.1	1.3 ± 0.2
E1280	N1960	2.2 ± 1.2	1.0 ± 0.1	0.9 ± 0.2
E1280	N1984	A	0.8 ± 0.1	1.1 ± 0.2
E1280	N2020	A	1.5 ± 0.1	1.1 ± 0.2
E1280	N2040	9.8 ± 0.1	0.9 ± 0.1	0.9 ± 0.2
E1280	N2060	13.0 ± 2.5	1.8 ± 0.1	1.4 ± 0.2
E1280	N2080	A	0.8 ± 0.1	1.5 ± 0.2
E1280	N2100	1.1 ± 1.6	1.5 ± 0.1	1.1 ± 0.2
E1280	N2120	A	1.0 ± 0.1	0.9 ± 0.2
E1280	N2140	A	0.8 ± 0.1	1.0 ± 0.2
E1280	N2160	A	1.0 ± 0.1	1.0 ± 0.2
E1280	N2180	A	0.9 ± 0.1	1.0 ± 0.1
E1290	N1950	A	3.8 ± 0.2	1.0 ± 0.2
E1290	N1970	2.2 ± 0.8	1.2 ± 0.1	1.5 ± 0.2
E1290	N1990	A	1.2 ± 0.1	1.2 ± 0.3
E1290	N2000	A	1.5 ± 0.1	0.9 ± 0.2
E1290	N2010	A	1.3 ± 0.1	1.1 ± 0.2
E1290	N2030	A	1.3 ± 0.1	0.3 ± 0.2
E1290	N2050	A	0.9 ± 0.1	1.2 ± 0.2
E1290	N2070	A	1.1 ± 0.1	1.1 ± 0.2
E1290	N2090	A	1.0 ± 0.1	0.8 ± 0.2
E1290	N2110	A	0.7 ± 0.1	0.7 ± 0.1
E1290	N2120	A	2.2 ± 0.2	1.4 ± 0.2
E1290	N2130	A	1.1 ± 0.1	0.5 ± 0.1
E1290	N2170	0.6 ± 1.2	0.9 ± 0.1	0.8 ± 0.2
E1290	N2190	A	1.0 ± 0.1	0.7 ± 0.2
E1300	N1960	2.6 ± 1.3	1.1 ± 0.1	0.8 ± 0.2
E1300	N1984	A	0.8 ± 0.1	1.4 ± 0.2
E1300	N2020	A	1.1 ± 0.1	0.9 ± 0.2
E1300	N2040	8.4 ± 2.2	2.3 ± 0.2	1.1 ± 0.2
E1300	N2060	A	1.1 ± 0.1	1.0 ± 0.2
E1300	N2080	A	1.2 ± 0.1	1.1 ± 0.2
E1300	N2100	A	2.5 ± 0.2	1.3 ± 0.2
E1300	N2120	A	0.8 ± 0.1	1.2 ± 0.2
E1300	N2140	A	1.1 ± 0.1	1.0 ± 0.2
E1310	N1970	A	0.9 ± 0.1	0.6 ± 0.1
E1310	N1990	2.2 ± 1.4	1.3 ± 0.1	1.1 ± 0.2
E1310	N2000	3.3 ± 1.4	1.1 ± 0.1	0.9 ± 0.2
E1310	N2010	7.4 ± 1.6	1.3 ± 0.1	0.7 ± 0.2
E1310	N2030	9.6 ± 2.0	1.6 ± 0.1	0.7 ± 0.2
E1310	N2050	A	1.1 ± 0.1	1.1 ± 0.2
E1310	N2070	A	2.0 ± 0.2	1.6 ± 0.3
E1310	N2090	9.3 ± 1.8	2.0 ± 0.2	0.8 ± 0.1
E1310	N2110	A	0.9 ± 0.1	0.9 ± 0.2
E1310	N2130	A	1.1 ± 0.1	0.8 ± 0.1
E1320	N1980	2.1 ± 1.2	2.2 ± 1.4	0.7 ± 0.1
E1320	N2020	20.8 ± 2.2	2.9 ± 0.2	0.2 ± 0.2
E1320	N2040	A	0.9 ± 0.1	0.9 ± 0.2
E1320	N2060	6.9 ± 2.3	3.9 ± 0.2	0.8 ± 0.2
E1320	N2080	8.7 ± 1.7	1.5 ± 0.1	1.1 ± 0.2
E1320	N2100	14.8 ± 3.8	14.3 ± 0.4	1.0 ± 0.2
E1320	N2120	A	1.8 ± 0.1	1.1 ± 0.2
E1320	N2140	A	3.0 ± 0.2	1.2 ± 0.2

"A" denotes less than detectable activity.

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Niagara Falls Storage Site Vicinity Properties, New York, Site Certification Data Summary Worksheet

Post-Remedial Action Sampling Results for Property N/N' South

Table 6 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g +/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E2140	S2240	A	1.1 ± 0.2	0.7 ± 0.2
E2160	S2240	A	1.2 ± 0.2	1.0 ± 0.2
E2160	S2260	A	0.9 ± 0.1	1.8 ± 0.3
E2166	S2242	30.8 ± 10.4	39.3 ± 1.0	A
E2180	S2252	A	11.3 ± 0.5	0.7 ± 0.3
E2180	S2260	A	0.9 ± 0.1	0.6 ± 0.2
E2200	S2260	A	30.3 ± 0.8	A
E3519	S2391	A	1.1 ± 0.1	1.2 ± 0.3
E3537	S2376	A	1.0 ± 0.2	1.1 ± 0.4
E3660	S2320	A	0.8 ± 0.1	1.1 ± 0.1
E3670	S2310	A	1.0 ± 0.1	1.2 ± 0.2
E3670	S2330	A	1.0 ± 0.1	1.4 ± 0.2
E3680	S2300	A	0.7 ± 0.1	0.5 ± 0.2
E3680	S2320	A	0.5 ± 0.1	1.1 ± 0.2
E3680	S2340	A	1.2 ± 0.1	1.0 ± 0.2
E3690	S2290	2.2 ± 0.1	0.8 ± 0.1	1.2 ± 0.1
E3690	S2310	A	0.8 ± 0.1	0.7 ± 0.1
E3690	S2330	A	0.6 ± 0.1	0.7 ± 0.1
E3700	S2300	5.1 ± 1.4	0.7 ± 0.1	0.6 ± 0.1
E3700	S2320	A	1.3 ± 0.1	1.2 ± 0.2
E3710	S2290	A	0.9 ± 0.1	1.6 ± 0.2
E3710	S2320	A	0.9 ± 0.1	1.2 ± 0.2
E3710	S2330	2.0 ± 1.5	3.0 ± 0.2	A
E3720	S2280	A	0.8 ± 0.1	1.3 ± 0.2
E3720	S2300	A	1.0 ± 0.1	1.2 ± 0.2
E3720	S2320	A	1.4 ± 0.2	1.1 ± 0.3
E3730	S2270	A	1.8 ± 0.2	A
E3730	S2290	A	0.7 ± 0.1	0.7 ± 0.2
E3730	S2310	A	1.1 ± 0.1	1.0 ± 0.2
E3740	S2260	A	1.1 ± 0.2	0.9 ± 0.3
E3740	S2280	A	1.0 ± 0.1	1.2 ± 0.2
E3740	S2300	A	0.9 ± 0.1	1.2 ± 0.2
E3750	S2270	A	1.3 ± 0.2	0.4 ± 0.3
E3750	S2290	A	1.1 ± 0.1	1.0 ± 0.2
E3760	S2260	A	0.6 ± 0.1	A
E3760	S2280	A	1.2 ± 0.1	1.4 ± 0.2
E3760	S2300	2.6 ± 1.2	1.2 ± 0.1	1.4 ± 0.2
E3770	S2250	A	1.0 ± 0.1	1.0 ± 0.3
E3770	S2270	A	6.1 ± 0.3	1.2 ± 0.2
E3770	S2290	A	1.2 ± 0.1	1.6 ± 0.2
E3780	S2240	A	1.2 ± 0.2	0.4 ± 0.1
E3780	S2260	A	1.2 ± 0.1	1.4 ± 0.2
E3780	S2280	A	0.9 ± 0.1	0.6 ± 0.1
E3790	S2230	A	0.9 ± 0.1	1.2 ± 0.2
E3790	S2250	A	1.0 ± 0.1	1.3 ± 0.2
E3790	S2270	A	1.0 ± 0.1	1.5 ± 0.2
E3800	S2240	A	0.9 ± 0.1	1.1 ± 0.2
E3800	S2260	A	8.1 ± 0.3	1.4 ± 0.3
E3810	S2230	A	0.7 ± 0.1	1.2 ± 0.3
E3810	S2250	6.4 ± 1.5	1.1 ± 0.1	1.2 ± 0.2
E3810	S2270	A	1.3 ± 0.2	1.3 ± 0.3
E3820	S2240	A	0.9 ± 0.2	1.3 ± 0.2
E3820	S2260	A	1.1 ± 0.2	1.2 ± 0.3
E3830	S2200	A	1.0 ± 0.2	1.2 ± 0.3
E3830	S2210	A	0.7 ± 0.1	0.5 ± 0.1
E3830	S2220	A	1.2 ± 0.2	1.6 ± 0.3
E3830	S2230	A	1.4 ± 0.2	1.9 ± 0.2
E3830	S2250	A	1.4 ± 0.2	1.0 ± 0.3
E3830	S2810	A	1.0 ± 0.1	1.1 ± 0.2
E3840	S2200	A	1.1 ± 0.1	1.1 ± 0.2
E3840	S2220	A	0.6 ± 0.1	0.4 ± 0.2
E3840	S2240	A	0.8 ± 0.1	1.3 ± 0.2
E3850	S2250	A	1.1 ± 0.1	1.3 ± 0.2
E3850	S2200	A	0.9 ± 0.1	0.6 ± 0.3
E3860	S2200	A	1.3 ± 0.1	1.0 ± 0.2
E3860	S2220	A	1.0 ± 0.2	1.2 ± 0.2
E3860	S2240	A	1.1 ± 0.2	A
E3870	S2190	A	1.8 ± 0.2	0.8 ± 0.3
E3870	S2210	A	0.9 ± 0.1	1.3 ± 0.2
E3870	S2230	A	1.0 ± 0.1	1.0 ± 0.1
E3880	S2220	A	1.0 ± 0.1	1.1 ± 0.2
E3890	S2210	0.4 ± 0.7	1.1 ± 0.1	1.4 ± 0.2

"A" denotes less than detectable activity.

Post-Remedial Action Sampling Results for Property R

Table 8 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g +/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
W0265	S3140	A	1.2 ± 0.2	0.6 ± 0.2
W0285	S3140	A	0.7 ± 0.1	0.7 ± 0.2
W0305	S3140	A	11.7 ± 0.8	A
W0310	S3130	A	1.4 ± 0.1	1.3 ± 0.2
W0367	S3140	A	2.2 ± 0.2	1.1 ± 0.2
W0387	S3140	A	0.9 ± 0.1	1.2 ± 0.2
W0407	S3140	A	1.7 ± 0.1	0.8 ± 0.2
W0427	S3140	A	1.2 ± 0.1	0.6 ± 0.1
W0447	S3140	A	0.8 ± 0.1	1.1 ± 0.2
W0467	S3140	A	1.2 ± 0.1	1.0 ± 0.1
W0487	S3140	A	1.0 ± 0.1	1.2 ± 0.3
W0507	S3140	A	0.7 ± 0.1	0.9 ± 0.2
W0527	S3140	A	1.3 ± 0.1	A
W0547	S3140	A	1.6 ± 0.2	1.0 ± 0.2
W0567	S3140	A	1.5 ± 0.2	1.1 ± 0.2
W0587	S3140	A	0.9 ± 0.1	A
W0607	S3140	A	4.0 ± 0.2	1.1 ± 0.3
W0627	S3140	A	4.2 ± 0.2	1.4 ± 0.2
W0645	S3140	A	1.5 ± 0.1	0.9 ± 0.2
W0665	S3140	4.2 ± 1.4	1.4 ± 0.1	1.4 ± 0.2
W0685	S3140	A	1.4 ± 0.1	1.1 ± 0.2

"A" denotes less than detectable activity.

Post-Remedial Action Sampling Results for Property U and V

Table 10 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g +/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E0800	N3545	A	1.0 ± 0.1	1.3 ± 0.2
E0810	N3535	A	1.5 ± 0.1	0.9 ± 0.2
E0820	N3545	A	1.7 ± 0.1	0.7 ± 0.1
E0987	N3625	A	1.6 ± 0.1	0.8 ± 0.2
E0997	N3635	A	0.7 ± 0.1	0.6 ± 0.1
E0997	N3655	A	0.9 ± 0.1	1.0 ± 0.2
E1009	N3625	A	0.8 ± 0.1	1.1 ± 0.1
E1121	N3709	A	1.1 ± 0.1	1.2 ± 0.2
E1128	N3686	A	0.9 ± 0.1	1.1 ± 0.2
E1138	N3690	A	0.8 ± 0.1	0.9 ± 0.1
E1138	N3709	A	0.8 ± 0.1	1.1 ± 0.2
E1148	N3709	A	1.2 ± 0.1	1.0 ± 0.2
E1297	N3690	A	1.2 ± 0.1	1.5 ± 0.2
E1317	N3690	A	1.3 ± 0.1	1.1 ± 0.2
E1320	N3690	A	1.2 ± 0.4	1.4 ± 0.2
E1320	N3710	A	0.8 ± 0.3	0.9 ± 0.2
E1327	N3700	A	5.2 ± 0.3	1.4 ± 0.4
E1330	N3700	A	0.8 ± 0.3	1.2 ± 0.2
E1330	N3720	A	1.4 ± 0.4	0.8 ± 0.2
E1340	N3690	A	0.8 ± 0.3	1.1 ± 0.2
E1340	N3700	A	3.9 ± 1.2	0.8 ± 0.2
E1350	N3700	A	2.1 ± 0.6	1.3 ± 0.2
E1360	N3710	A	0.6 ± 0.2	1.4 ± 0.2
E1367	N3790	A	0.9 ± 0.1	0.8 ± 0.1
E1370	N3700	A	1.5 ± 0.5	0.9 ± 0.2
E1380	N3710	A	0.9 ± 0.3	1.1 ± 0.2
E1390	N3700	A	1.0 ± 0.3	0.8 ± 0.2
E1400	N3690	A	0.7 ± 0.2	1.1 ± 0.2
E1400	N3710	A	0.8 ± 0.2	0.9 ± 0.1
E1410	N3700	A	0.8 ± 0.2	1.0 ± 0.2
E1420	N3710	A	0.6 ± 0.2	1.0 ± 0.2
E1430	N3700	A	0.7 ± 0.2	0.9 ± 0.2
E1430	N3720	A	0.8 ± 0.3	1.7 ± 0.2
E1440	N3690	A	1.2 ± 0.4	1.0 ± 0.2
E1440	N3710	A	0.9 ± 0.3	1.0 ± 0.2
E1450	N3700	A	0.7 ± 0.2	1.1 ± 0.1
E1460	N3690	2.9 ± 1.6	1.4 ± 0.4	1.5 ± 0.3
E1460	N3700	A	2.0 ± 0.3	1.8 ± 0.6
E1460	N3710	A	3.1 ± 0.9	1.3 ± 0.3

"A" denotes less than detectable activity.

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Niagara Falls Storage Site Vicinity Properties, New York, Site Certification Data Summary Worksheet

Post-Remedial Action Sampling Results for Property Q

Table 7 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E1890	S6900	A	1.2 ± 0.1	1.3 ± 0.2
E1890	S6920	0.9 ± 1.3	1.5 ± 0.1	1.0 ± 0.2
E1900	S6910	A	1.3 ± 0.1	1.1 ± 0.2
E1910	S6930	A	0.9 ± 0.1	0.4 ± 0.2
E1910	S6950	A	0.8 ± 0.1	0.7 ± 0.3
E1910	S7060	A	1.4 ± 0.1	1.2 ± 0.2
E1918	S7100	A	12.4 ± 0.6	7.1 ± 0.8
E1920	S6920	A	0.9 ± 0.1	0.7 ± 0.2
E1920	S6940	A	1.0 ± 0.1	1.3 ± 0.2
E1920	S6960	A	1.1 ± 0.1	0.6 ± 0.2
E1920	S6980	A	0.9 ± 0.1	1.1 ± 0.2
E1930	S6920	A	0.9 ± 0.1	1.2 ± 0.2
E1930	S6930	3.6 ± 0.1	0.7 ± 0.1	A
E1930	S6950	A	1.1 ± 0.1	1.6 ± 0.2
E1930	S7070	A	1.3 ± 0.2	A
E1930	S7080	A	1.3 ± 0.1	1.7 ± 0.2
E1930	S7090	A	1.0 ± 0.1	1.2 ± 0.2
E1940	S6920	A	1.0 ± 0.1	0.6 ± 0.1
E1940	S6940	A	1.2 ± 0.2	1.5 ± 0.2
E1940	S6980	A	0.8 ± 0.1	0.7 ± 0.2
E1940	S7000	A	0.7 ± 0.1	0.8 ± 0.2
E1940	S7020	A	0.9 ± 0.1	A
E1940	S7070	A	1.2 ± 0.1	0.7 ± 0.2
E1940	S7080	6.4 ± 2.5	6.6 ± 0.3	4.0 ± 0.3
E1950	S6930	A	2.1 ± 0.1	1.0 ± 0.2
E1950	S6970	2.8 ± 1.3	1.1 ± 0.1	0.9 ± 0.1
E1950	S6990	A	1.2 ± 0.1	1.5 ± 0.2
E1950	S7010	A	0.9 ± 0.1	0.7 ± 0.2
E1950	S7030	3.4 ± 1.6	1.1 ± 0.1	A
E1950	S7070	24.7 ± 4.5	37.4 ± 0.6	16.3 ± 0.8
E1950	S7080	12.7 ± 3.1	6.6 ± 0.3	3.8 ± 0.4
E1950	S7090	A	1.0 ± 0.1	0.8 ± 0.2
E1950	S7100	A	2.3 ± 0.2	1.2 ± 0.2
E1960	S6900	A	1.5 ± 0.1	1.5 ± 0.2
E1960	S6920	A	0.8 ± 0.1	0.5 ± 0.1
E1960	S6940	A	1.4 ± 0.1	1.3 ± 0.2
E1960	S6970	0.8 ± 1.1	0.8 ± 0.1	1.0 ± 0.2
E1960	S7000	A	0.9 ± 0.1	0.9 ± 0.1
E1960	S7020	2.8 ± 1.3	0.7 ± 0.1	1.2 ± 0.2
E1960	S7050	A	11.9 ± 0.3	4.6 ± 0.4
E1960	S7060	4.2 ± 1.7	1.7 ± 0.2	2.0 ± 0.3
E1960	S7070	A	1.1 ± 0.1	0.9 ± 0.2
E1960	S7080	A	1.7 ± 0.1	1.1 ± 0.2
E1970	S6920	A	1.2 ± 0.1	0.6 ± 0.1
E1970	S6930	A	0.8 ± 0.1	0.5 ± 0.1
E1970	S6970	A	1.0 ± 0.1	1.0 ± 0.2
E1970	S6990	A	0.8 ± 0.1	0.9 ± 0.2
E1970	S7010	2.5 ± 1.1	1.1 ± 0.1	0.9 ± 0.1
E1970	S7030	A	1.1 ± 0.2	1.3 ± 0.3
E1970	S7040	A	1.2 ± 0.1	1.3 ± 0.2
E1970	S7050	A	4.5 ± 0.2	3.5 ± 0.3
E1970	S7050	12.2 ± 3.5	11.9 ± 0.4	5.9 ± 0.4
E1970	S7070	A	1.0 ± 0.1	0.7 ± 0.2
E1970	S7090	A	A	1.2 ± 0.2
E1980	S6920	3.6 ± 1.5	1.2 ± 0.1	1.0 ± 0.1
E1980	S6940	A	0.8 ± 0.1	0.9 ± 0.2
E1980	S7020	6.1 ± 2.4	7.1 ± 0.3	3.4 ± 0.4
E1980	S7030	A	0.9 ± 0.1	1.7 ± 0.2
E1980	S7040	A	1.0 ± 0.1	1.0 ± 0.2
E1980	S7050	A	0.9 ± 0.1	1.1 ± 0.2
E1980	S7060	9.4 ± 2.8	19.9 ±0.5	9.2 ± 0.7
E1980	S7070	3.5 ± 1.5	1.1 ± 0.1	1.4 ± 0.2
E1980	S7080	A	1.9 ± 0.2	1.4 ± 0.3
E1990	S6910	A	1.3 ± 0.1	1.5 ± 0.2
E1990	S6930	A	1.0 ± 0.1	1.2 ± 0.2
E1990	S7030	4.0 ± 1.8	0.7 ± 0.1	0.8 ± 0.3
E1990	S7040	A	1.1 ± 0.1	1.3 ± 0.2
E1990	S7060	A	1.0 ± 0.1	1.1 ± 0.2
E1990	S7070	A	1.0 ± 0.1	1.1 ± 0.2
E1990	S7090	3.0 ± 1.9	3.3 ± 0.2	2.1 ± 0.2
E2000	S7020	A	0.6 ± 0.1	A
E2000	S7040	A	0.6 ± 0.1	0.7 ± 0.2
E2000	S7060	28.5 ± 1.1	1.1 ± 0.1	0.7 ± 0.1
E2000	S7080	A	0.9 ± 0.1	A
E2025	S6347	A	1.2 ± 0.1	1.3 ± 0.2
E2060	S6215	A	1.3 ± 0.1	A
E2076	S6229	A	0.9 ± 0.1	0.4 ± 0.1
E2076	S6238	A	1.0 ± 0.2	0.9 ± 0.2
E2105	S6293	A	0.8 ± 0.1	A
E2114	S6244	A	0.5 ± 0.1	A
E2130	S6281	A	1.4 ± 0.2	1.1 ± 0.2
E2131	S6294	A	1.1 ± 0.1	1.0 ± 0.2
E2142	S6306	A	1.4 ± 0.1	2.1 ± 0.2
E2144	S4715	7.1 ± 5.1	1.0 ± 0.3	1.4 ± 0.3
E2149	S6251	A	1.0 ± 0.1	1.0 ± 0.2
E2170	S4670	A	1.2 ± 0.1	1.4 ± 0.2
E2170	S4690	A	1.4 ± 0.1	1.6 ± 0.2
E2170	S4710	A	1.2 ± 0.1	0.4 ± 0.3
E2170	S4730	A	1.0 ± 0.1	1.7 ± 0.2
E2170	S4750	A	1.4 ± 0.1	1.6 ± 0.2
E2170	S4770	A	0.6 ± 0.1	1.0 ± 0.2
E2170	S4790	A	0.8 ± 0.1	1.2 ± 0.2
E2180	S4680	A	1.3 ± 0.1	1.6 ± 0.2
E2180	S4700	A	1.2 ± 0.1	0.7 ± 0.1
E2180	S4720	A	1.3 ± 0.2	1.4 ± 0.2
E2180	S4740	A	0.8 ± 0.1	0.5 ± 0.1
E2180	S4760	A	1.0 ± 0.1	1.2 ± 0.2
E2180	S4780	A	1.0 ± 0.1	1.0 ± 0.2
E2180	S4800	A	0.8 ± 0.1	0.8 ± 0.2
E2190	S4670	A	0.9 ± 0.1	1.1 ± 0.2
E2190	S4690	A	0.6 ± 0.1	0.6 ± 0.2
E2190	S4710	A	1.3 ± 0.1	1.0 ± 0.2
E2190	S4730	A	1.2 ± 0.1	1.1 ± 0.2
E2190	S4750	A	0.8 ± 0.1	1.2 ± 0.2
E2190	S4770	A	0.8 ± 0.1	1.1 ± 0.2
E2190	S4790	A	0.9 ± 0.1	1.0 ± 0.2
E2190	S4810	A	0.8 ± 0.1	0.6 ± 0.1
E2200	S4660	A	1.7 ± 0.1	0.7 ± 0.1
E2200	S4680	A	0.7 ± 0.1	A
E2200	S4700	A	0.8 ± 0.1	0.7 ± 0.2
E2200	S4720	A	3.2 ± 0.2	1.2 ± 0.2
E2200	S4740	A	0.8 ± 0.1	1.0 ± 0.2
E2200	S4780	A	1.9 ± 0.3	1.5 ± 0.2
E2200	S4800	A	0.7 ± 0.1	1.0 ± 0.2
E2205	S4800	A	0.5 ± 0.1	1.1 ± 0.2
E2205	S4820	0.6 ± 1.4	1.1 ± 0.1	1.4 ± 0.2
E2205	S4840	2.8 ± 1.6	1.0 ± 0.2	A
E2205	S4860	A	0.9 ± 0.1	0.8 ± 0.1
E2205	S4880	A	0.7 ± 0.1	1.0 ± 0.1
E2210	S4670	A	0.9 ± 0.1	0.6 ± 0.1
E2210	S4690	A	0.7 ± 0.1	A
E2210	S4710	A	1.2 ± 0.1	1.2 ± 0.2
E2210	S4730	A	1.0 ± 0.1	1.1 ± 0.2
E2210	S4750	A	0.8 ± 0.1	0.9 ± 0.1
E2210	S4770	4.5 ± 1.2	1.3 ± 0.1	1.3 ± 0.2
E2210	S4790	A	1.1 ± 0.1	0.9 ± 0.2
E2260	S4760	A	1.1 ± 0.1	1.0 ± 0.2
E2298	S5605	A	5.5 ± 0.3	1.3 ± 0.3
E2300	S5845	A	1.0 ± 0.1	0.6 ± 0.2
E2315	S5940	A	1.5 ± 0.4	1.2 ± 0.8
E2315	S5947	A	1.7 ± 0.4	A
E2320	S5631	A	5.0 ± 0.3	1.5 ± 0.4
E2321	S5779	3.9 ± 2.0	1.6 ± 0.2	1.6 ± 0.3
E2323	S5715	A	2.1 ± 0.2	1.8 ± 0.3
E2325	S5635	A	1.7 ± 0.3	1.5 ± 0.3
E2328	S5631	A	2.7 ± 0.2	0.3 ± 0.3
E2336	S5635	A	3.8 ± 0.6	3.9 ± 0.7
E2340	S5605	A	11.9 ± 1.3	0.7 ± 1.4
E2340	S5615	A	7.5 ± 0.7	2.3 ± 0.8
E2342	S5572	A	2.0 ± 0.6	2.5 ± 0.5
E2343	S5590	A	3.7 ± 0.6	2.1 ± 0.5
E2350	S5620	A	7.5 ± 0.9	1.8 ± 1.7

"A" denotes less than detectable activity.

Post-Remedial Action Sampling Results for Property S

Table 9 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E0885	N1305	A	2.8 ± 0.3	0.9 ± 0.2
E0886	N1285	5.3 ± 0.4	5.3 ± 0.4	1.1 ± 0.2
E0895	N1295	A	5.3 ± 0.4	0.8 ± 0.3

"A" denotes less than detectable activity.

Post-Remedial Action Sampling Results for Property X

Table 11 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
W0185	N1140	A	1.1 ± 0.1	0.7 ± 0.2
W0185	N1150	A	1.0 ± 0.1	1.3 ± 0.2
W0215	N1165	A	1.6 ± 0.1	0.9 ± 0.2
W0217	N1409	A	5.1 ± 0.2	1.0 ± 0.2
W0225	N1175	A	1.2 ± 0.1	1.0 ± 0.2
W0240	N1160	A	2.6 ± 0.2	0.8 ± 0.2
W0267	N1360	A	0.9 ± 0.1	1.1 ± 0.2
W0283	N1377	A	1.3 ± 0.1	0.9 ± 0.2
W0299	N1377	A	0.8 ± 0.1	1.1 ± 0.2
W0316	N1377	A	1.3 ± 0.1	0.7 ± 0.2
W0328	N1360	A	1.3 ± 0.4	1.4 ± 0.2
W0335	N1355	A	0.6 ± 0.4	1.0 ± 0.2
W0382	N1300	A	2.1 ± 0.1	1.0 ± 0.2
W0388	N1330	1.7 ± 1.3	1.1 ± 0.1	0.8 ± 0.2
W0388	N1350	A	0.8 ± 0.1	0.7 ± 0.2
W0390	N0620	A	1.1 ± 0.1	1.0 ± 0.2
W0390	N0640	A	0.7 ± 0.1	0.8 ± 0.1
W0390	N0660	A	1.1 ± 0.1	0.5 ± 0.2
W0390	N0700	A	0.8 ± 0.1	A
W0390	N0720	A	1.2 ± 0.1	1.1 ± 0.2
W0390	N0740	A	0.7 ± 0.1	0.8 ± 0.2
W0390	N0760	A	0.8 ± 0.1	1.0 ± 0.1
W0398	N1340	A	1.0 ± 0.1	1.2 ± 0.2
W0398	N1360	A	1.5 ± 0.1	0.9 ± 0.2
W0400	N0610	A	1.2 ± 0.1	0.9 ± 0.2
W0400	N0630	2.1 ± 1.4	0.9 ± 0.1	1.1 ± 0.2
W0400	N0670	A	0.9 ± 0.1	1.3 ± 0.2
W0400	N0690	0.8 ± 1.1	0.6 ± 0.1	0.9 ± 0.2
W0400	N0710	A	1.1 ± 0.1	1.3 ± 0.2
W0400	N0730	A	1.3 ± 0.1	1.5 ± 0.2
W0400	N0750	A	0.8 ± 0.1	0.8 ± 0.2
W0400	N0770	A	1.0 ± 0.1	1.0 ± 0.2
W0410	N0620	4.0 ± 1.0	0.5 ± 0.1	0.6 ± 0.1
W0410	N0640	1.3 ± 1.8	1.2 ± 0.1	0.8 ± 0.2
W0410	N0650	A	1.0 ± 0.1	0.5 ± 0.2
W0410	N0660	8.3 ± 1.6	1.1 ± 0.1	0.4 ± 0.2
W0410	N0680	A	2.7 ± 0.2	0.8 ± 0.2
W0410	N0700	3.3 ± 1.5	0.8 ± 0.1	0.7 ± 0.2
W0410	N0720	A	0.5 ± 0.1	0.8 ± 0.1
W0410	N0740	2.9 ± 1.1	1.1 ± 0.1	0.8 ± 0.2
W0410	N0760	A	1.2 ± 0.1	0.8 ± 0.2
W0414	N1370	A	0.8 ± 0.1	0.9 ± 0.1
W0420	N0610	5.4 ± 1.4	0.8 ± 0.1	A
W0420	N0630	4.5 ± 1.3	0.6 ± 0.1	0.7 ± 0.1
W0420	N0650	3.2 ± 1.2	0.9 ± 0.1	0.7 ± 0.1
W0420	N0670	A	0.6 ± 0.1	0.7 ± 0.1
W0420	N0690	A	1.0 ± 0.1	0.7 ± 0.1
W0420	N0710	A	0.5 ± 0.1	0.7 ± 0.2
W0420	N0730	A	0.7 ± 0.1	0.8 ± 0.2
W0420	N0740	A	0.7 ± 0.1	1.0 ± 0.2
W0420	N0750	A	0.6 ± 0.1	0.7 ± 0.1
W0420	N0770	A	0.8 ± 0.1	0.9 ± 0.2
W0430	N0620	9.2 ± 1.7	0.5 ± 0.1	0.9 ± 0.1
W0430	N0640	0.9 ± 2.0	0.8 ± 0.1	A
W0430	N0660	A	0.9 ± 0.1	0.7 ± 0.1
W0430	N0680	2.9 ± 1.4	0.8 ± 0.1	A
W0430	N0700	2.7 ± 1.6	0.7 ± 0.1	0.7 ± 0.1
W0430	N0720	2.0 ± 1.1	0.6 ± 0.1	0.6 ± 0.1
W0430	N0760	7.0 ± 1.5	1.5 ± 0.1	1.2 ± 0.2
W0440	N0610	3.7 ± 1.2	0.9 ± 0.1	0.8 ± 0.1
W0440	N0630	A	0.5 ± 0.1	0.7 ± 0.1
W0440	N0670	1.4 ± 1.0	0.6 ± 0.1	0.7 ± 0.1
W0440	N0690	2.7 ± 1.2	0.6 ± 0.1	0.4 ± 0.1
W0440	N0710	A	0.7 ± 0.1	1.0 ± 0.2
W0440	N0730	2.4 ± 1.1	0.5 ± 0.1	0.6 ± 0.1
W0440	N0750	A	0.6 ± 0.1	0.7 ± 0.1
W0440	N0770	3.0 ± 1.4	0.6 ± 0.2	1.1 ± 0.2
W0490	N0650	A	0.6 ± 0.1	0.7 ± 0.1

"A" denotes less than detectable activity.

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Niagara Falls Storage Site Vicinity Properties, New York, Site Certification Data Summary Worksheet

Thirty-two tables referenced in the NFSS VPs Certification Docket provide the evidence used to certify the site as clean.

The two tables below come from the "1986 PRAR," which is the BNI report "Post-Remedial Action Report for the Niagara Falls Storage Site Vicinity Properties - 1983 and 1984" (December 1986).

The remedial action guideline for radium-226 concentrations in soil more than six inches beneath the ground surface = 15 pCi/g

Post-Remedial Action Sampling Results for the West Drainage Ditch

Table 12 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g±/-1sigma)			Grid Coordinates		Concentrations (pCi/g±/-1sigma)			Grid Coordinates		Concentrations (pCi/g±/-1sigma)			Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232	E,W	N,S	Uranium-238	Radium-226	Thorium-232	E,W	N,S	Uranium-238	Radium-226	Thorium-232	E,W	N,S	Uranium-238	Radium-226	Thorium-232
E0020	N2300	A	3.6 ± 0.3	0.7 ± 0.3	E0256	N2800	A	0.9 ± 0.1	0.9 ± 0.2	W0100	N2200	A	2.6 ± 0.2	0.8 ± 0.2	W0165	N1400	A	1.0 ± 0.1	1.2 ± 0.3
E0040	N2300	A	1.8 ± 0.2	1.4 ± 0.2	E0260	N2820	A	0.8 ± 0.1	1.0 ± 0.2	W0100	N2240	A	1.0 ± 0.2	0.7 ± 0.2	W0165	N1420	A	1.0 ± 0.2	1.4 ± 0.2
E0040	N2310	A	1.3 ± 0.2	1.0 ± 0.2	E0262	N2782	1.4 ± 0.1	0.9 ± 0.1	1.0 ± 0.1	w0110	N1760	A	1.2 ± 0.2	1.0 ± 0.3	W0165	N1460	A	0.9 ± 0.1	0.9 ± 0.2
E0040	N2320	A	0.9 ± 0.1	0.7 ± 0.1	E0262	N2880	A	1.3 ± 0.2	0.5 ± 0.2	W0110	N2220	A	1.3 ± 0.2	0.6 ± 0.2	W0165	N1500	A	0.9 ± 0.1	1.0 ± 0.2
E0040	N2468	1.4 ± 0.5	0.6 ± 0.1	0.6 ± 0.1	E0265	N2790	A	1.2 ± 0.1	0.5 ± 0.1	W0110	N2240	A	1.0 ± 0.1	0.7 ± 0.2	W0165	N1540	A	1.0 ± 0.1	1.4 ± 0.2
E0040	N2488	0.2 ± 0.2	0.7 ± 0.1	0.7 ± 0.1	E0280	N2820	11.9 ± 3.3	1.0 ± 0.1	0.8 ± 0.2	W0115	N1760	A	0.9 ± 0.1	0.9 ± 0.3	W0165	N1560	A	1.4 ± 0.1	0.9 ± 0.2
E0040	N2508	0.1 ± 0.1	0.8 ± 0.1	0.8 ± 0.1	E0280	N2840	A	1.0 ± 0.1	1.4 ± 0.4	W0115	N1980	A	1.6 ± 0.2	0.7 ± 0.2	W0165	N1580	2.9 ± 2.2	1.4 ± 0.2	1.2 ± 0.2
E0040	N2528	0.3 ± 0.2	2.0 ± 0.1	0.8 ± 0.1	E0280	N2860	A	1.0 ± 0.1	1.0 ± 0.2	W0120	N1740	A	1.3 ± 0.2	0.7 ± 0.2	W0165	N1600	A	1.3 ± 0.1	1.3 ± 0.2
E0045	N2320	A	0.9 ± 0.1	1.2 ± 0.3	E0288	N2830	A	0.9 ± 0.1	1.0 ± 0.2	W0120	N1960	A	1.3 ± 0.2	1.1 ± 0.2	W0165	N1620	6.0 ± 3.4	1.3 ± 0.2	0.9 ± 0.3
E0045	N2340	A	0.8 ± 0.1	1.3 ± 0.2	E0296	N2840	A	1.0 ± 0.1	0.9 ± 0.2	W0120	N1980	A	1.6 ± 0.2	1.2 ± 0.3	W0165	N1640	A	3.0 ± 0.2	1.1 ± 0.3
E0045	N2360	A	3.6 ± 0.2	1.0 ± 0.3	E0300	N2880	A	1.0 ± 0.1	0.8 ± 0.2	W0120	N2020	A	2.0 ± 0.2	1.1 ± 0.2	W0165	N1660	3.1 ± 2.2	1.7 ± 0.2	1.3 ± 0.2
E0050	N2320	A	1.0 ± 0.2	0.8 ± 0.2	E0300	N2900	A	0.9 ± 0.1	1.1 ± 0.2	W0120	N2040	A	3.7 ± 0.3	1.0 ± 0.2	W0165	N1680	A	1.9 ± 0.2	1.0 ± 0.2
E0050	N2340	A	1.1 ± 0.2	0.9 ± 0.2	E0304	N2850	A	1.3 ± 0.2	0.9 ± 0.2	W0120	N2080	A	1.6 ± 0.2	0.7 ± 0.2	W0166	N1020	A	1.0 ± 0.1	1.1 ± 0.2
E0050	N2360	A	1.1 ± 0.2	0.7 ± 0.2	E0312	N2860	A	1.4 ± 0.2	0.8 ± 0.2	W0120	N2120	A	1.5 ± 0.1	0.5 ± 0.2	W0167	N0920	A	0.7 ± 0.1	0.6 ± 0.2
E0050	N2468	0.1 ± 0.1	0.6 ± 0.1	0.6 ± 0.1	E0320	N2870	A	1.1 ± 0.1	0.8 ± 0.2	W0120	N2140	A	8.6 ± 0.4	0.8 ± 0.3	W0167	N0980	A	14.3 ± 0.5	0.8 ± 0.3
E0050	N2488	0.3 ± 0.2	0.8 ± 0.1	1.0 ± 0.1	E0320	N2920	A	1.2 ± 0.1	1.1 ± 0.2	W0120	N2180	A	0.9 ± 0.2	1.0 ± 0.2	W0168	N0840	3.5 ± 1.6	1.8 ± 0.1	0.9 ± 0.2
E0050	N2508	0.5 ± 0.2	0.8 ± 0.1	1.0 ± 0.1	E0322	N2950	A	1.1 ± 0.1	1.0 ± 0.2	W0120	N2200	A	1.1 ± 0.1	1.3 ± 0.2	W0168	N0880	A	0.9 ± 0.2	1.6 ± 0.2
E0050	N2528	0.4 ± 0.2	0.9 ± 0.1	1.3 ± 0.1	E0328	N2880	A	0.9 ± 0.1	1.0 ± 0.2	W0120	N2220	A	1.8 ± 0.2	1.4 ± 0.3	W0168	N1020	A	1.2 ± 0.2	1.1 ± 0.2
E0055	N2320	A	1.6 ± 0.2	1.0 ± 0.2	E0336	N2900	A	1.1 ± 0.1	0.8 ± 0.3	W0125	N1740	A	1.2 ± 0.2	0.6 ± 0.2	W0168	N1040	A	1.1 ± 0.1	0.9 ± 0.2
E0060	N2320	A	1.2 ± 0.1	0.8 ± 0.2	E0340	N2940	A	6.8 ± 0.3	0.6 ± 0.2	W0125	N2000	A	14.4 ± 0.5	0.6 ± 0.3	W0168	N1060	A	1.0 ± 0.1	0.7 ± 0.2
E0060	N2340	A	0.8 ± 0.1	0.8 ± 0.2	E0340	N2960	A	0.9 ± 0.1	0.7 ± 0.2	W0130	N1700	3.8 ± 3.3	2.0 ± 0.2	1.0 ± 0.3	W0168	N1200	0.7 ± 0.4	0.7 ± 0.1	0.7 ± 0.3
E0060	N2360	A	0.8 ± 0.1	0.7 ± 0.2	E0344	N2910	A	1.4 ± 0.2	1.3 ± 0.3	W0130	N2000	A	2.2 ± 0.2	1.2 ± 0.2	W0168	N1220	0.4 ± 0.2	0.9 ± 0.1	1.1 ± 0.2
E0060	N2420	A	1.6 ± 0.2	1.2 ± 0.2	E0352	N2920	A	1.2 ± 0.1	0.8 ± 0.3	W0130	N2140	A	1.5 ± 0.2	0.7 ± 0.2	W0168	N1240	A	1.0 ± 0.1	0.9 ± 0.2
E0060	N2468	A	4.7 ± 0.1	0.8 ± 0.1	E0360	N2930	A	1.1 ± 0.1	1.0 ± 0.2	W0130	N2160	A	1.4 ± 0.1	1.1 ± 0.2	W0169	N0800	9.2 ± 3.5	1.1 ± 0.2	0.9 ± 0.2
E0060	N2488	0.1 ± 0.2	0.9 ± 0.1	0.8 ± 0.1	E0360	N3000	A	1.2 ± 0.1	0.9 ± 0.2	W0130	N2180	A	1.2 ± 0.1	0.6 ± 0.2	W0169	N0940	A	0.9 ± 0.1	1.0 ± 0.1
E0060	N2508	0.3 ± 0.1	0.7 ± 0.1	0.7 ± 0.1	E0366	N2940	2.8 ± 2.0	1.1 ± 0.1	0.8 ± 0.2	W0130	N2200	A	1.1 ± 0.2	1.0 ± 0.3	W0169	N0960	A	0.8 ± 0.1	0.6 ± 0.2
E0060	N2528	0.3 ± 0.2	1.1 ± 0.1	1.1 ± 0.1	E0378	N2960	A	1.3 ± 0.1	1.2 ± 0.3	W0135	N1720	A	1.3 ± 0.2	1.4 ± 0.2	W0169	N0980	A	1.3 ± 0.1	0.8 ± 0.2
E0065	N2420	A	0.9 ± 0.1	0.8 ± 0.2	E0380	N3000	5.9 ± 2.5	1.4 ± 0.2	1.0 ± 0.3	W0135	N2020	A	1.0 ± 0.1	0.5 ± 0.2	W0169	N1000	3.6 ± 1.8	0.9 ± 0.1	0.7 ± 0.3
E0065	N2440	A	1.8 ± 0.2	0.6 ± 0.2	E0380	N3020	A	1.1 ± 0.1	0.6 ± 0.2	W0140	N1980	A	1.2 ± 0.2	0.8 ± 0.3	W0170	N0760	2.1 ± 2.3	0.9 ± 0.2	1.2 ± 0.3
E0065	N2460	A	2.8 ± 0.2	1.4 ± 0.3	E0384	N2970	A	0.9 ± 0.1	0.9 ± 0.2	W0140	N2120	A	1.8 ± 0.2	0.8 ± 0.2	W0170	N0840	A	1.4 ± 0.2	1.3 ± 0.3
E0070	N2440	A	1.3 ± 0.2	0.8 ± 0.2	E0388	N2980	7.6 ± 2.5	0.9 ± 0.1	0.7 ± 0.2	W0140	N2140	A	3.4 ± 0.3	0.9 ± 0.4	W0170	N0860	A	0.9 ± 0.1	1.5 ± 0.3
E0080	N2340	A	1.5 ± 0.2	1.1 ± 0.2	E0392	N2990	A	2.6 ± 0.2	0.8 ± 0.3	W0140	N2180	5.5 ± 2.0	1.4 ± 0.2	0.6 ± 0.2	W0170	N0880	A	1.0 ± 0.1	1.2 ± 0.3
E0080	N2480	7.2 ± 2.3	1.2 ± 0.2	1.4 ± 0.2	E0396	N3000	A	0.8 ± 0.1	1.2 ± 0.2	W0145	N1700	A	1.4 ± 0.1	1.4 ± 0.3	W0170	N0900	A	1.2 ± 0.1	1.2 ± 0.2
E0080	N2540	A	0.8 ± 0.1	0.7 ± 0.2	W0040	N1880	A	2.8 ± 0.2	0.8 ± 0.2	W0145	N2020	A	0.9 ± 0.2	1.0 ± 0.2	W0170	N0920	A	0.7 ± 0.1	76.0 ± 0.2
E0090	N2500	A	1.0 ± 0.1	0.8 ± 0.2	W0040	N1920	A	1.3 ± 0.2	0.8 ± 0.2	W0150	N1700	3.1 ± 2.3	1.4 ± 0.1	0.7 ± 0.2	W0170	N1040	A	0.9 ± 0.1	0.9 ± 0.2
E0090	N2580	A	1.4 ± 0.2	1.1 ± 0.2	W0040	N2280	A	1.5 ± 0.2	0.4 ± 0.2	W0150	N2040	A	1.5 ± 0.2	1.5 ± 0.2	W0170	N1140	A	2.9 ± 0.2	0.8 ± 0.2
E0095	N2500	A	1.7 ± 0.2	0.9 ± 0.2	W0040	N2300	A	1.3 ± 0.1	0.9 ± 0.2	W0150	N2060	A	12.3 ± 0.7	A	W0170	N1160	A	14.0 ± 0.4	2.2 ± 0.3
E0100	N2520	A	0.8 ± 0.1	0.4 ± 0.2	W0050	N2300	A	0.9 ± 0.1	0.5 ± 0.2	W0150	N2080	A	1.9 ± 0.3	A	W0170	N1260	A	0.7 ± 0.1	1.5 ± 0.3
E0100	N2560	A	0.8 ± 0.1	0.6 ± 0.2	W0055	N1860	A	1.0 ± 0.1	0.8 ± 0.2	W0150	N2100	A	1.6 ± 0.2	0.6 ± 0.3	W0170	N1280	A	1.0 ± 0.1	1.0 ± 0.2
E0100	N2580	A	1.0 ± 0.1	0.6 ± 0.2	W0055	N1880	2.0 ± 2.3	1.3 ± 0.1	0.8 ± 0.2	W0150	N2120	A	1.0 ± 0.1	1.0 ± 0.2	W0170	N1420	A	1.0 ± 0.2	0.8 ± 0.3
E0110	N2520	A	1.4 ± 0.2	1.1 ± 0.2	W0055	N2280	A	1.1 ± 0.2	1.0 ± 0.2	W0155	N1980	A	1.2 ± 0.1	0.9 ± 0.2	W0170	N1440	A	1.3 ± 0.1	0.9 ± 0.2
E0110	N2560	A	0.8 ± 0.1	1.1 ± 0.3	W0060	N1920	A	1.4 ± 0.2	0.9 ± 0.2	W0155	N2000	A	1.0 ± 0.1	0.8 ± 0.2	W0170	N1480	A	0.8 ± 0.1	0.4 ± 0.2
E0115	N2560	A	1.9 ± 0.2	0.9 ± 0.2	W0060	N2260	A	1.5 ± 0.2	1.1 ± 0.3	W0155	N2100	A	1.1 ± 0.12	1.3 ± 0.3	W0170	N1520	A	1.2 ± 0.2	1.1 ± 0.2
E0120	N2580	A	1.0 ± 0.1	0.9 ± 0.2	W0065	N1840	A	1.5 ± 0.2	1.0 ± 0.3	W0158	N1200	A	0.8 ± 0.1	0.7 ± 0.2	W0170	N1560	A	1.3 ± 0.2	1.2 ± 0.3
E0120	N2600	A	1.1 ± 0.1	0.9 ± 0.2	W0065	N1860	A	1.9 ± 0.2	0.6 ± 0.3	W0158	N1220	0.1 ± 0.1	0.7 ± 0.1	0.9 ± 0.1	W0171	N0720	A	1.4 ± 2.0	0.8 ± 0.2
E0126	N2580	A	1.0 ± 0.1	0.6 ± 0.2	W0065	N1880	A	1.0 ± 0.1	0.9 ± 0.2	W0158	N1240	A	0.5 ± 0.1	0.8 ± 0.2	W0171	N0820	A	0.9 ± 0.1	1.2 ± 0.3
E0140	N2640	A	1.0 ± 0.1	1.2 ± 0.2	W0065	N2280	A	1.4 ± 0.2	0.8 ± 0.2	W0160	N1040	A	1.7 ± 0.2	0.9 ± 0.2	W0171	N0940	A	0.8 ± 0.1	1.0 ± 0.2
E0152	N2600	4.5 ± 3.2	1.9 ± 0.2	0.5 ± 0.2	W0070	N1820	2.2 ± 2.4	1.0 ± 0.1	0.9 ± 0.2	W0160	N1300	A	0.9 ± 0.1	0.7 ± 0.2	W0171	N0960	A	0.8 ± 0.1	0.7 ± 0.2
E0156	N2610	A	0.9 ± 0.1	1.2 ± 0.2	W0070	N1900	A	1.4 ± 0.2	0.9 ± 0.2	W0160	N1320	A	1.1 ± 0.2	0.9 ± 0.3	W0171	N1000	A	1.2 ± 0.2	0.9 ± 0.2
E0160	N2620	A	0.8 ± 0.1	1.0 ± 0.2	W0075	N1820	A	0.9 ± 0.1	1.1 ± 0.2	W0160	N1340	A	1.1 ± 0.2	0.8 ± 0.2	W0171	N1120	A	1.3 ± 0.2	1.1 ± 0.3
E0160	N2660	A	0.9 ± 0.1	1.1 ± 0.3	W0080	N1780	A	1.2 ± 0.2	1.0 ± 0.2	W0160	N1360	A	1.1 ± 0.1	1.6 ± 0.2	W0172	N0780	3.3 ± 2.2	1.3 ± 0.2	1.1 ± 0.2
E0161	N2618	A	1.1 ± 0.1	1.0 ± 0.2	W0080	N1800	A	1.5 ± 0.2	1.1 ± 0.3	W0160	N1380	A	1.1 ± 0.1	1.1 ± 0.3	W0172	N0800	4.7 ± 2.6	1.1 ± 0.1	1.0 ± 0.3
E0164	N2623	A	1.0 ± 0.1	1.3 ± 0.2	W0080	N1890	A	0.8 ± 0.1	0.9 ± 0.3	W0160	N1400	A	0.9 ± 0.1	0.9 ± 0.2	W0172	N0900	A	0.9 ± 0.1	1.3 ± 0.3
E0176	N2636	A	0.9 ± 0.2	1.2 ± 0.2	W0080	N1910	A	0.8 ± 0.1	0.8 ± 0.2	W0160	N1440	8.4 ± 2.5	0.1 ± 0.1	0.8 ± 0.2	W0172	N1180	A	1.3 ± 0.1	1.1 ± 0.2
E0178	N2642	A	0.9 ± 0.1	0.8 ± 0.3	W0080	N1920	A	2.2 ± 0.3	0.3 ± 0.1	W0160	N1460	4.5 ± 2.6	1.3 ± 0.2	1.4 ± 0.4	W0173	N0610	A	1.0 ± 0.1	1.0 ± 0.2
E0180	N2648	A	0.8 ± 0.1	0.9 ± 0.2	W0080	N1930	A	0.7 ± 0.1	1.0 ± 0.2	W0160	N1500	A	1.3 ± 0.1	0.9 ± 0.2	W0173	N0640	A	1.2 ± 0.1	1.2 ± 0.2
E0180	N2680	4.9 ± 2.0	0.9 ± 0.1	1.1 ± 0.2	W0080	N1950	A	0.7 ± 0.1	0.7 ± 0.2	W0160	N1520	A	1.1 ± 0.1	1.0 ± 0.2	W0173	N0680	A	1.0 ± 0.1	1.2 ± 0.2
E0180	N2700	A	1.1 ± 0.1	0.8 ± 0.2	W0080	N1970	A	0.6 ± 0.2	0.8 ± 0.2	W0160	Nl540	A	0.9 ± 0.1	1.2 ± 0.2	W0173	N0720	A	0.9 ± 0.1	0.8 ± 0.2
E0188	N2657	A	0.7 ± 0.1	A	W0080	N1980	A	1.2 ± 0.2	0.6 ± 0.2	W0160	N1580	A	1.3 ± 0.1	1.0 ± 0.2	W0173	N0820	A	0.9 ± 0.1	1.2 ± 0.2
E0191	N2668	A	0.9 ± 0.2	1.0 ± 0.2	W0080	N2200	A	1.0 ± 0.2	0.9 ± 0.3	W0160	N1600	A	A	0.9 ± 0.6	W0173	N0860	A	0.9 ± 0.2	0.9 ± 0.2
E0197	N2685	A	1.0 ± 0.2	0.7 ± 0.2	W0080	N2240	A	1.7 ± 0.1	1.2 ± 0.3	W0160	N1620	A	1.4 ± 0.1	1.4 ± 0.2	W0173	N1090	A	1.4 ± 0.2	1.0 ± 0.2
E0198	N2675	A	1.1 ± 0.1	0.8 ± 0.2	W0080	N2260	A	12.0 ± 0.5	0.9 ± 0.3	W0160	N1640	A	0.9 ± 0.1	0.9 ± 0.2	W0173	N1100	A	1.1 ± 0.1	1.3 ± 0.2
E0200	N2690	A	2.6 ± 0.2	1.2 ± 0.2	W0085	N1800	A	2.4 ± 0.2	0.9 ± 0.3	W0160	N1660	A	0.1 ± 0.2	1.4 ± 0.3	W0174	N0700	A	0.9 ± 0.1	1.1 ± 0.3
E0200	N2720	A	1.0 ± 0.2	0.8 ± 0.2	W0085	N2260	A	5.0 ± 0.3	1.5 ± 0.2	W0160	N1680	A	1.0 ± 0.1	0.9 ± 0.2	W0174	N0740	A	0.9 ± 0.1	1.2 ± 0.2
E0212	N2702	A	0.8 ± 0.1	0.8 ± 0.2	W0087	N1890	A	0.8 ± 0.1	1.1 ± 0.2	W0160	N2060	A	5.9 ± 0.6	A	W0174	N0780	9.0 ± 3.4	0.9 ± 0.1	1.1 ± 0.2
E0216	N2710	5.4 ± 2.4	1.0 ± 0.1	1.1 ± 0.2	W0087	N1910	A	1.0 ± 0.1	1.9 ± 0.3	W0160	N2080	7.5 ± 2.9	1.2 ± 0.2	1.0 ± 0.2	W0175	N0640	1.1 ± 0.5	0.7 ± 0.1	1.3 ± 0.3
E0220	N2740	A	1.1 ± 0.1	1.1 ± 0.2	W0087	N1930	1.3 ± 2.7	0.6 ± 0.1	0.7 ± 0.2	W0164	N1090	A	0.9 ± 0.1	1.4 ± 0.2	W0175	N0660	A	0.8 ± 0.1	0.7 ± 0.2
E0220	N2760	A	0.8 ± 0.1	0.8 ± 0.2	W0087	N1950	A	0.7 ± 0.1	0.9 ± 0.2	W0164	N1120	3.3 ± 0.9	1.6 ± 0.2	1.0 ± 0.3	W0175	N0680	A	1.1 ± 0.2	0.8 ± 0.2
E0222	N2717	A	0.9 ± 0.2	0.7 ± 0.2	W0087	N1970	A	0.8 ± 0.1	A	W0164	N1180	A	1.0 ± 0.1	1.0 ± 0.2	W0175	N0740	A	0.8 ± 0.1	0.9 ± 0.2
E0230	N2724	2.1 ± 2.2	1.2 ± 0.2	0.9 ± 0.2	W0090	N1780	A	0.9 ± 0.1	0.9 ± 0.2	W0165	N1100	2.5 ± 2.0	1.3 ± 0.2	0.7 ± 0.2	W0176	N0620	A	1.0 ± 0.1	0.8 ± 0.3
E0231	N2781	A	0.9 ± 0.2	0.8 ± 0.2	W0094	N1890	4.4 ± 2.8	0.7 ± 0.2	0.6 ± 0.2	W0165	N1140	A	1.5 ± 0.1	1.0 ± 0.2	W0176	N0700	A	0.9 ± 0.1	0.9 ± 0.2
E0237	N2742	A	1.3 ± 0.1	0.7 ± 0.2	W0094	N1910	A	1.1 ± 0.2	0.7 ± 0.2	W0165	N1160	A	1.3 ± 0.1	1.3 ± 0.1	W0178	N0620	A	0.9 ± 0.1	0.9 ± 0.2
E0239	N2750	0.7 ± 0.4	0.8 ± 0.1	0.6 ± 0.2	W0094	N1930	A	0.8 ± 0.1	0.6 ± 0.2	W0165	N1260	A	0.8 ± 0.1	1.4 ± 0.2	W0178	N0660	A	0.9 ± 0.1	0.8 ± 02
E0240	42780	A	1.2 ± 0.2	0.9 ± 0.2	W0094	N1950	A	0.7 ± 0.1	0.5 ± 0.2	W0165	N1280	A	1.1 ± 0.1	0.6 ± 0.2	W0178	N1200	A	0.7 ± 0.1	0.8 ± 0.2
E0240	N2800	A	0.9 ± 0.2	0.8 ± 0.2	W0094	N1970	A	0.9 ± 0.1	0.9 ± 0.2	W0165	N1300	A	1.1 ± 0.1	1.3 ± 0.2	W0178	N1220	0.1 ± 0.2	0.8 ± 0.1	1.0 ± 0.1
E0245	N2757	1.0 ± 0.1	0.8 ± 0.1	0.9 ± 0.2	W0100	N1960	A	0.9 ± 0.2	1.1 ± 0.3	W0165	N1320	A	1.2 ± 0.2	1.0 ± 0.3	W0178	N1240	0.7 ± 0.1	0.8 ± 0.1	0.8 ± 0.1
E0248	N2790	A	0.9 ± 0.1	0.4 ± 0.3	W0100	N1980	A	1.5 ± 0.2	0.9 ± 0.2	W0165	N1340	A	1.2 ± 0.1	1.1 ± 0.2	W0180	N1060	A	0.9 ± 0.1	0.7 ± 0.2
E0250	42765	A	0.9 ± 0.1	1.2 ± 0.2	W0100	N2140	2.6 ± 2.4	1.2 ± 0.2	0.8 ± 0.2	W0165	N1360	A	1.1 ± 0.1	0.9 ± 0.2	W0187	N1140	A	1.1 ± 0.1	0.7 ± 0.2
E0254	N2775	1.4 ± 0.6	1.0 ± 0.1	0.9 ± 0.1	W0100	N2180	A	1.4 ± 0.2	1.5 ± 0.2	W0165	N1380	A	1.1 ± 0.1	0.7 ± 0.2	W0187	N1150	A	1.0 ± 0.1	1.3 ± 0.2

'"A" denotes less than detectable activity.

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Niagara Falls Storage Site Vicinity Properties, New York, Site Certification Data Summary Worksheet

Post-Remedial Action Sampling Results for the Central Drainage Ditch

Table 13 in 1986 PRAR

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Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00005	N09980	2.8 ± 2.0	2.7 ± 0.2	1.4 ± 0.3
E00013	N09970	A	3.9 ± 0.2	A
E00013	N09990	A	1.2 ± 0.1	1.7 ± 0.3
E00020	N09980	A	1.2 ± 0.1	0.8 ± 0.2
E00023	N09965	A	1.9 ± 0.1	1.1 ± 0.2
E00033	N09958	A	1.0 ± 0.1	0.7 ± 0.2
E00033	N09970	A	2.6 ± 0.2	0.9 ± 0.2
E00033	N09990	A	1.4 ± 0.2	1.8 ± 0.2
E00043	N09965	A	6.1 ± 0.2	A
E00043	N09980	A	2.9 ± 0.2	1.5 ± 0.3
E00053	N09958	A	1.0 ± 0.2	A
E00053	N09970	0.6 ± 0.1	1.1 ± 0.1	1.2 ± 0.2
E00063	N09949	A	1.8 ± 0.2	A
E00063	N09965	A	8.0 ± 0.3	1.0 ± 0.3
E00073	N09950	A	1.3 ± 0.1	1.1 ± 0.2
E00073	N09958	A	1.3 ± 0.1	1.2 ± 0.2
E00083	N09949	6.6 ± 2.6	1.5 ± 0.2	1.4 ± 0.3
E00090	N09940	A	1.9 ± 0.2	0.9 ± 0.3
E00093	N09950	A	2.4 ± 0.2	0.5 ± 0.2
E00103	N09949	A	1.1 ± 0.1	1.6 ± 0.2
E00110	N09940	A	1.6 ± 0.1	0.9 ± 0.2
E00113	N09950	A	1.3 ± 0.2	0.9 ± 0.2
E00120	N09930	A	1.0 ± 0.1	1.2 ± 0.2
E00123	N09923	A	1.8 ± 0.3	A
E00130	N09920	A	1.4 ± 0.1	1.1 ± 0.2
E00130	N09940	A	1.2 ± 0.1	1.2 ± 0.2
E00132	N09942	0.7 ± 1.4	1.4 ± 0.2	0.9 ± 0.2
E00140	N09930	A	0.7 ± 0.1	0.9 ± 0.2
E00143	N09923	A	6.2 ± 0.3	0.6 ± 0.3
E00143	N09942	A	1.7 ± 0.1	1.1 ± 0.2
E00150	N09910	A	2.3 ± 0.2	0.5 ± 0.3
E00150	N09940	A	1.3 ± 0.2	0.9 ± 0.3
E00153	N09913	A	7.2 ± 0.3	0.9 ± 0.2
E00153	N09933	0.9 ± 0.6	1.0 ± 0.1	1.3 ± 0.2
E00163	N09903	A	3.0 ± 0.5	1.1 ± 0.4
E00163	N09923	A	4.1 ± 0.3	0.7 ± 0.3
E00173	N09897	A	1.5 ± 0.2	0.8 ± 0.2
E00173	N09913	5.5 ± 2.0	4.4 ± 0.2	1.1 ± 0.2
E00183	N09903	A	3.6 ± 0.2	1.4 ± 0.2
E00193	N09887	A	7.0 ± 0.3	1.1 ± 0.3
E00193	N09913	A	1.9 ± 0.2	1.6 ± 0.3
E00207	N09903	A	5.6 ± 0.4	0.4 ± 0.2
E00210	N09890	A	1.0 ± 0.1	1.1 ± 0.2
E00220	N09880	A	1.0 ± 0.1	1.1 ± 0.2
E00220	N09900	A	9.0 ± 0.3	A
E00230	N09890	A	4.7 ± 0.2	1.1 ± 0.2
E00240	N09880	A	5.1 ± 0.2	1.2 ± 0.2
E00240	N09900	A	1.3 ± 0.1	1.3 ± 0.3
E00250	N09870	1.5 ± 1.5	1.8 ± 0.1	1.2 ± 0.2
E00250	N09890	A	2.0 ± 0.2	1.4 ± 0.3
E00260	N09860	A	1.2 ± 0.1	1.1 ± 0.2
E00260	N09880	A	1.9 ± 0.2	1.5 ± 0.2
E00260	N09903	A	2.5 ± 0.2	1.4 ± 0.2
E00270	N09850	A	1.3 ± 0.3	0.4 ± 0.2
E00270	N09870	A	1.2 ± 0.2	A
E00280	N09840	A	1.1 ± 0.1	A
E00280	N09860	7.2 ± 0.2	4.6 ± 0.2	1.0 ± 0.2
E00290	N09830	A	1.0 ± 0.1	1.5 ± 0.2
E00290	N09850	A	5.7 ± 0.2	1.1 ± 0.2
E00290	N09870	A	1.1 ± 0.1	0.8 ± 0.2
E00300	N09820	A	1.1 ± 0.1	1.0 ± 0.2
E00300	N09840	A	3.2 ± 0.2	A
E00300	N09860	A	1.2 ± 0.1	1.2 ± 0.3
E00310	N09810	A	1.4 ± 0.2	1.8 ± 0.3
E00310	N09830	A	3.2 ± 0.2	A
E00310	N09850	A	1.0 ± 0.2	1.6 ± 0.3
E00320	N09800	A	4.0 ± 0.3	0.7 ± 0.2
E00320	N09820	A	2.3 ± 0.2	0.6 ± 0.2
E00320	N09840	A	2.8 ± 0.2	1.2 ± 0.2
E00330	N09790	A	0.7 ± 0.1	1.0 ± 0.2
E00330	N09810	13.0 ± 3.8	12.6 ± 0.4	0.9 ± 0.4
E00330	N09830	2.6 ± 0.7	1.8 ± 0.2	0.8 ± 0.2
E00340	N09800	A	5.0 ± 0.2	0.8 ± 0.2
E00340	N09820	A	1.3 ± 0.1	1.1 ± 0.2
E00345	N04832	A	0.9 ± 0.1	0.8 ± 0.2
E00350	N09780	A	4.4 ± 0.3	1.0 ± 0.3
E00350	N09810	A	2.4 ± 0.2	1.0 ± 0.2
E00355	N04832	A	1.0 ± 0.1	0.9 ± 0.2
E00360	N09770	A	2.7 ± 0.2	1.0 ± 0.2
E00360	N09800	A	1.3 ± 0.1	1.0 ± 0.2
E00365	N04832	A	0.9 ± 0.1	0.9 ± 0.2
E00370	N09740	A	1.0 ± 0.1	1.1 ± 0.2
E00370	N09760	A	1.6 ± 0.1	1.3 ± 0.2
E00370	N09780	A	4.3 ± 0.3	1.5 ± 0.2
E00370	N09790	A	1.3 ± 0.1	1.3 ± 0.2
E00375	N04832	A	0.9 ± 0.2	0.9 ± 0.3
E00380	N09730	A	3.1 ± 0.2	0.6 ± 0.2
E00380	N09750	2.3 ± 1.0	6.2 ± 0.3	1.0 ± 0.3
E00380	N09770	3.2 ± 2.1	5.7 ± 0.3	0.7 ± 0.2

Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00385	N04832	A	5.5 ± 0.3	0.8 ± 0.2
E00390	N09700	A	5.1 ± 0.3	1.1 ± 0.2
E00390	N09720	A	4.6 ± 0.2	A
E00390	N09740	A	9.1 ± 0.4	1.0 ± 0.4
E00390	N09760	A	6.4 ± 0.3	1.4 ± 0.3
E00395	N04832	A	2.7 ± 0.3	0.7 ± 0.3
E00396	N02885	A	1.3 ± 0.2	1.2 ± 0.3
E00396	N03295	A	0.8 ± 0.1	0.9 ± 0.3
E00396	N03315	A	1.2 ± 0.2	0.9 ± 0.3
E00396	N03335	6.3 ± 2.1	1.1 ± 0.2	0.8 ± 0.2
E00396	N03355	A	1.0 ± 0.1	1.0 ± 0.2
E00398	N02808	A	0.8 ± 0.1	1.1 ± 0.2
E00398	N02826	A	1.2 ± 0.1	0.9 ± 0.2
E00398	N02845	A	0.8 ± 0.1	0.5 ± 0.2
E00398	N02867	A	0.9 ± 0.2	1.0 ± 0.3
E00399	N02786	A	1.2 ± 0.2	1.2 ± 0.2
E00400	N02767	A	1.1 ± 0.1	1.1 ± 0.3
E00400	N04886	0.7 ± 0.2	0.8 ± 0.1	1.0 ± 0.2
E00400	N04896	0.4 ± 0.2	1.4 ± 0.1	0.7 ± 0.2
E00400	N04916	0.2 ± 0.2	4.2 ± 0.1	0.7 ± 0.2
E00400	N04936	0.5 ± 0.2	1.0 ± 0.1	0.8 ± 0.2
E00400	N04956	0.3 ± 0.2	0.9 ± 0.1	0.9 ± 0.2
E00400	N08750	A	0.9 ± 0.1	1.0 ± 0.2
E00400	N08770	A	0.8 ± 0.1	0.6 ± 0.2
E00400	N08790	4.2 ± 1.4	1.3 ± 0.1	0.7 ± 0.2
E00400	N08810	A	1.2 ± 0.1	1.1 ± 0.2
E00400	N08830	A	1.3 ± 0.1	1.1 ± 0.2
E00400	N08850	A	0.8 ± 0.3	1.3 ± 0.2
E00400	N08870	A	2.6 ± 0.2	0.9 ± 0.2
E00400	N08890	A	1.3 ± 0.1	1.1 ± 0.2
E00400	N08910	A	1.1 ± 0.1	0.9 ± 0.2
E00400	N08930	.0 ± 0.1	2.2 ± 0.1	0.9 ± 0.2
E00400	N08950	A	0.9 ± 0.1	1.7 ± 0.2
E00400	N08970	A	1.7 ± 0.1	1.1 ± 0.2
E00400	N08990	A	1.1 ± 0.1	0.9 ± 0.2
E00400	N09010	A	7.5 ± 0.3	1.2 ± 0.3
E00400	N09030	A	5.2 ± 0.3	0.6 ± 0.2
E00400	N09070	A	1.6 ± 0.2	1.7 ± 0.2
E00400	N09090	A	1.2 ± 0.1	1.4 ± 0.2
E00400	N09110	A	1.6 ± 0.1	1.4 ± 0.2
E00400	N09130	A	1.0 ± 0.1	1.0 ± 0.2
E00400	N09150	A	1.5 ± 0.1	0.9 ± 0.2
E00400	N09170	A	1.0 ± 0.1	1.4 ± 0.2
E00400	N09190	A	1.4 ± 0.1	1.5 ± 0.2
E00400	N09210	A	10.8 ± 0.3	0.8 ± 0.3
E00400	N09230	3.6 ± 1.7	2.1 ± 0.2	0.9 ± 0.2
E00400	N09250	A	1.3 ± 0.1	1.0 ± 0.2
E00400	N09260	A	1.1 ± 0.1	1.7 ± 0.2
E00400	N09280	A	1.6 ± 0.1	0.9 ± 0.2
E00400	N09300	A	7.6 ± 0.3	1.6 ± 0.3
E00400	N09320	A	1.3 ± 0.1	0.9 ± 0.2
E00400	N09340	A	2.1 ± 0.2	0.6 ± 0.2
E00400	N09360	A	1.4 ± 0.1	1.1 ± 0.2
E00400	N09380	A	2.5 ± 0.2	0.9 ± 0.2
E00400	N09400	A	2.2 ± 0.2	1.0 ± 0.2
E00400	N09580	A	1.7 ± 0.1	1.4 ± 0.2
E00400	N09600	3.7 ± 3.3	11.9 ± 0.4	1.6 ± 0.3
E00400	N09620	A	5.1 ± 0.3	A
E00400	N09640	3.5 ± 2.7	9.1 ± 0.4	1.2 ± 0.3
E00400	N09650	A	1.1 ± 0.2	1.1 ± 0.2
E00400	N09670	A	2.3 ± 0.2	1.3 ± 0.2
E00400	N09690	A	5.1 ± 0.3	0.9 ± 0.3
E00400	N09710	A	3.9 ± 0.2	0.9 ± 0.2
E00400	N09730	A	1.9 ± 0.2	0.8 ± 0.3
E00400	N09750	A	2.3 ± 0.2	1.4 ± 0.2
E00402	N02729	A	0.8 ± 0.2	0.9 ± 0.2
E00402	N02748	A	1.8 ± 0.2	1.4 ± 0.2
E00402	N03120	A	0.8 ± 0.1	0.6 ± 0.2
E00402	N03140	1.4 ± 0.5	0.9 ± 0.1	1.3 ± 0.2
E00402	N03160	A	0.7 ± 0.1	0.8 ± 0.2
E00402	N03180	A	1.0 ± 0.1	0.6 ± 0.2
E00402	N03200	A	0.9 ± 0.2	0.7 ± 0.2
E00402	N03220	A	0.9 ± 0.2	1.0 ± 0.2
E00402	N03240	A	1.1 ± 0.1	0.8 ± 0.2
E00402	N03560	A	1.0 ± 0.1	0.7 ± 0.3
E00402	N03580	A	0.6 ± 0.2	1.0 ± 0.2
E00402	N03600	A	0.8 ± 0.2	0.8 ± 0.2
E00402	N03620	A	0.8 ± 0.1	0.9 ± 0.2
E00402	N03640	A	1.3 ± 0.1	1.3 ± 0.3
E00402	N03660	2.2 ± 3.0	1.0 ± 0.1	1.0 ± 0.2
E00402	N03680	A	0.9 ± 0.2	0.8 ± 0.2
E00402	N03700	A	0.7 ± 0.1	0.8 ± 0.2
E00402	N03720	A	0.9 ± 0.2	0.6 ± 0.2
E00402	N03740	A	0.7 ± 0.1	0.8 ± 0.2
E00402	N03760	A	1.1 ± 0.1	0.9 ± 0.2
E00402	N03780	A	0.9 ± 0.1	1.2 ± 0.2
E00402	N03800	A	0.8 ± 0.1	0.8 ± 0.2
E00402	N03820	A	0.9 ± 0.2	0.6 ± 0.3
E00402	N03840	A	2.6 ± 0.2	0.4 ± 0.2

Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00402	N03860	A	0.7 ± 0.1	0.7 ± 0.2
E00402	N03880	A	0.8 ± 0.1	0.9 ± 0.2
E00402	N03900	A	1.0 ± 0.1	0.8 ± 0.2
E00402	N03920	A	1.8 ± 0.1	0.5 ± 0.2
E00402	N03940	A	1.0 ± 0.1	1.2 ± 0.2
E00402	N03960	A	0.8 ± 0.1	1.1 ± 0.2
E00402	N04320	A	0.9 ± 0.1	0.7 ± 0.2
E00402	N06940	A	1.3 ± 0.1	1.0 ± 0.2
E00405	N02686	A	0.9 ± 0.2	0.9 ± 0.3
E00405	N02709	A	0.5 ± 0.2	1.1 ± 0.3
E00405	N02900	A	1.3 ± 0.2	0.4 ± 0.2
E00405	N02910	A	0.9 ± 0.1	0.7 ± 0.2
E00405	N02920	A	1.4 ± 0.2	0.9 ± 0.2
E00405	N02930	A	2.7 ± 0.2	1.1 ± 0.2
E00405	N02940	A	1.7 ± 0.2	1.0 ± 0.2
E00405	N02950	A	1.7 ± 0.2	1.4 ± 0.2
E00405	N02960	A	2.2 ± 0.2	0.6 ± 0.2
E00405	N02970	A	1.2 ± 0.2	0.6 ± 0.2
E00405	N02980	A	1.2 ± 0.2	0.6 ± 0.2
E00405	N02990	A	1.0 ± 0.1	0.9 ± 0.3
E00405	N03000	A	1.0 ± 0.1	1.1 ± 0.2
E00405	N03010	A	0.9 ± 0.1	0.8 ± 0.2
E00405	N03020	A	1.3 ± 0.2	1.1 ± 0.2
E00405	N03030	A	1.0 ± 0.1	0.2 ± 0.2
E00405	N03040	A	0.8 ± 0.1	1.2 ± 0.3
E00405	N03050	3.7 ± 2.2	0.8 ± 0.1	0.8 ± 0.3
E00405	N03060	A	1.0 ± 0.1	1.0 ± 0.2
E00405	N03070	A	1.8 ± 0.2	0.8 ± 0.2
E00405	N03080	1.8 ± 2.4	1.1 ± 0.2	0.8 ± 0.2
E00405	N03090	A	1.1 ± 0.1	0.7 ± 0.3
E00405	N03100	A	0.5 ± 0.2	0.6 ± 0.3
E00405	N03260	A	0.8 ± 0.1	1.0 ± 0.3
E00405	N03280	A	0.8 ± 0.1	0.6 ± 0.2
E00405	N03360	A	1.1 ± 0.2	1.2 ± 0.3
E00405	N03400	A	0.8 ± 0.1	1.2 ± 0.2
E00405	N03420	A	0.9 ± 0.2	1.0 ± 0.2
E00405	N03440	0.7 ± 0.4	0.7 ± 0.1	1.3 ± 0.2
E00405	N03460	A	0.8 ± 0.2	1.3 ± 0.2
E00405	N03480	A	1.4 ± 0.2	0.8 ± 0.3
E00405	N03500	A	0.9 ± 0.1	0.8 ± 0.2
E00405	N03520	2.4 ± 1.3	2.9 ± 0.3	1.4 ± 0.2
E00405	N03540	A	2.2 ± 0.2	1.0 ± 0.2
E00405	N04040	A	0.9 ± 0.2	0.9 ± 0.3
E00405	N04080	A	0.8 ± 0.1	0.8 ± 0.2
E00405	N04100	A	1.0 ± 0.1	0.5 ± 0.2
E00405	N04120	A	1.0 ± 0.1	0.8 ± 0.3
E00405	N04140	A	0.9 ± 0.1	0.9 ± 0.2
E00405	N04160	A	1.3 ± 0.1	1.3 ± 0.2
E00405	N04180	A	0.7 ± 0.1	0.6 ± 0.2
E00405	N04200	A	0.6 ± 0.1	0.5 ± 0.2
E00405	N04220	A	1.0 ± 0.1	0.7 ± 0.2
E00405	N04240	A	1.2 ± 0.2	0.5 ± 0.2
E00405	N04260	A	0.9 ± 0.1	1.0 ± 0.2
E00405	N04280	A	0.7 ± 0.2	0.4 ± 0.3
E00405	N04300	A	0.8 ± 0.1	0.8 ± 0.2
E00405	N04340	A	2.1 ± 0.1	0.9 ± 0.2
E00405	N04360	1.6 ± 0.7	0.9 ± 0.1	0.9 ± 0.2
E00405	N04380	A	0.8 ± 0.1	0.6 ± 0.3
E00405	N04400	A	1.0 ± 0.1	0.8 ± 0.2
E00405	N04420	A	0.8 ± 0.1	0.9 ± 0.2
E00405	N04440	A	1.1 ± 0.2	1.1 ± 0.2
E00405	N04460	A	1.1 ± 0.1	0.6 ± 0.2
E00405	N04480	A	0.6 ± 0.1	0.7 ± 0.2
E00405	N04500	A	0.7 ± 0.1	1.2 ± 0.2
E00405	N04520	A	1.1 ± 0.1	1.0 ± 0.2
E00405	N04540	A	0.5 ± 0.2	1.2 ± 0.3
E00405	N04560	A	0.7 ± 0.1	1.2 ± 0.2
E00405	N04580	A	0.9 ± 0.1	1.3 ± 0.2
E00405	N04600	A	0.7 ± 0.1	0.7 ± 0.3
E00405	N04620	A	0.1 ± 0.1	0.8 ± 0.2
E00405	N04640	A	1.1 ± 0.1	0.6 ± 0.2
E00405	N04660	A	0.9 ± 0.1	1.2 ± 0.2
E00405	N04680	A	0.8 ± 0.1	0.9 ± 0.3
E00405	N04700	A	0.8 ± 0.1	0.7 ± 0.2
E00405	N04720	A	1.0 ± 0.1	0.3 ± 0.2
E00405	N04740	A	0.7 ± 0.2	0.6 ± 0.2
E00405	N04760	0.4 ± 0.3	0.6 ± 0.1	0.5 ± 0.2
E00405	N04780	0.4 ± 0.4	0.8 ± 0.1	0.9 ± 0.2
E00405	N04800	A	1.4 ± 0.2	0.7 ± 0.2
E00405	N04820	A	4.2 ± 0.2	0.7 ± 0.2
E00405	N04832	A	2.2 ± 0.2	0.8 ± 0.2
E00405	N04840	A	6.7 ± 0.4	0.8 ± 0.3
E00405	N04860	A	2.2 ± 0.2	1.0 ± 0.3
E00405	N04880	A	1.0 ± 0.1	0.8 ± 0.2
E00405	N04980	A	0.8 ± 0.1	0.4 ± 0.2
E00405	N05000	A	0.8 ± 0.1	1.0 ± 0.2
E00405	N05020	A	1.2 ± 0.1	0.5 ± 0.2
E00405	N05040	A	1.0 ± 0.1	A
E00405	N05060	A	1.1 ± 0.1	1.5 ± 0.2

Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00405	N05080	A	0.9 ± 0.1	0.9 ± 0.2
E00405	N05100	A	2.7 ± 0.1	0.9 ± 0.2
E00405	N05120	A	1.1 ± 0.1	1.0 ± 0.2
E00405	N05140	A	1.1 ± 0.1	1.0 ± 0.2
E00405	N05160	A	4.0 ± 0.2	0.8 ± 0.2
E00405	N05180	A	0.8 ± 0.2	0.8 ± 0.4
E00405	N05200	A	1.0 ± 0.1	0.6 ± 0.2
E00405	N05220	A	0.8 ± 0.2	1.0 ± 0.2
E00405	N05240	A	1.2 ± 0.1	1.6 ± 0.2
E00405	N05260	A	0.8 ± 0.1	0.9 ± 0.2
E00405	N05280	A	0.7 ± 0.1	0.2 ± 0.2
E00405	N05300	A	0.9 ± 0.1	0.6 ± 0.2
E00405	N05320	A	0.9 ± 0.1	0.9 ± 0.2
E00405	N05340	A	2.3 ± 0.1	0.6 ± 0.2
E00405	N05360	A	0.7 ± 0.1	A
E00405	N05380	A	0.9 ± 0.1	0.7 ± 0.2
E00405	N05400	A	0.9 ± 0.1	1.8 ± 0.3
E00405	N05420	A	0.8 ± 0.1	0.7 ± 0.2
E00405	N05440	A	0.9 ± 0.1	1.4 ± 0.2
E00405	N05460	A	0.7 ± 0.1	0.8 ± 0.2
E00405	N05480	0.7 ± 0.5	0.8 ± 0.1	1.1 ± 0.2
E00405	N05500	A	0.9 ± 0.1	0.6 ± 0.2
E00405	N05520	A	0.7 ± 0.1	0.5 ± 0.2
E00405	N05540	A	1.4 ± 0.1	A
E00405	N05560	A	1.0 ± 0.1	0.9 ± 0.2
E00405	N05580	A	0.9 ± 0.1	1.0 ± 0.2
E00405	N05600	A	1.1 ± 0.1	0.9 ± 0.2
E00405	N05620	A	0.6 ± 0.1	A
E00405	N05640	A	1.3 ± 0.1	0.9 ± 0.2
E00405	N05660	A	1.1 ± 0.1	0.9 ± 0.2
E00405	N05680	A	1.1 ± 0.1	0.5 ± 0.2
E00405	N05700	A	0.8 ± 0.1	1.1 ± 0.3
E00405	N05720	A	6.9 ± 0.3	0.9 ± 0.3
E00405	N05740	A	13.6 ± 0.4	1.1 ± 0.2
E00405	N05760	A	6.4 ± 0.3	0.4 ± 0.2
E00405	N05780	A	1.1 ± 0.1	0.9 ± 0.2
E00405	N05800	A	1.2 ± 0.1	0.9 ± 0.2
E00405	N05820	A	1.2 ± 0.1	1.3 ± 0.2
E00405	N05840	A	1.9 ± 0.1	0.5 ± 0.2
E00405	N05860	A	2.7 ± 0.2	1.0 ± 0.2
E00405	N05880	A	A	1.2 ± 0.2
E00405	N05900	A	1.2 ± 0.1	1.1 ± 0.2
E00405	N05920	1.8 ± 1.3	1.0 ± 0.1	1.0 ± 0.2
E00405	N05940	A	1.1 ± 0.1	1.3 ± 0.2
E00405	N05960	A	0.8 ± 0.1	0.9 ± 0.2
E00405	N05980	A	4.7 ± 0.2	0.7 ± 0.2
E00405	N06000	A	0.9 ± 0.1	0.9 ± 0.2
E00405	N06020	A	1.2 ± 0.1	0.7 ± 0.2
E00405	N06040	A	0.3 ± 0.1	A
E00405	N06060	A	0.8 ± 0.1	0.5 ± 0.2
E00405	N06080	A	0.2 ± 0.1	0.3 ± 0.2
E00405	N06100	A	1.0 ± 0.1	1.0 ± 0.2
E00405	N06120	A	0.5 ± 0.1	0.8 ± 0.2
E00405	N06140	A	1.2 ± 0.1	1.1 ± 0.2
E00405	N06160	A	1.1 ± 0.1	0.6 ± 0.2
E00405	N06180	A	0.9 ± 0.1	0.9 ± 0.2
E00405	N06200	A	1.3 ± 0.2	1.4 ± 0.3
E00405	N06220	A	0.7 ± 0.1	0.9 ± 0.2
E00405	N06240	A	0.8 ± 0.1	0.6 ± 0.2
E00405	N06260	A	0.9 ± 0.1	0.5 ± 0.2
E00405	N06280	A	1.0 ± 0.1	0.9 ± 0.2
E00405	N06300	1.7 ± 1.4	1.0 ± 0.1	1.6 ± 0.2
E00405	N06320	A	1.1 ± 0.1	1.1 ± 0.2
E00405	N06340	A	5.1 ± 0.3	1.0 ± 0.3
E00405	N06360	A	0.9 ± 0.1	A
E00405	N06380	A	1.7 ± 0.1	1.0 ± 0.2
E00405	N06400	A	11.4 ± 0.4	A
E00405	N06420	A	1.0 ± 0.1	0.4 ± 0.2
E00405	N06440	A	0.8 ± 0.1	0.5 ± 0.2
E00405	N06460	A	0.8 ± 0.1	0.5 ± 0.2
E00405	N06480	A	0.9 ± 0.1	1.2 ± 0.2
E00405	N06500	A	1.4 ± 0.2	A
E00405	N06520	A	2.0 ± 0.1	1.1 ± 0.2
E00405	N06540	A	1.0 ± 0.1	1.1 ± 0.2
E00405	N06560	A	8.5 ± 0.1	7.0 ± 0.2
E00405	N06580	A	0.9 ± 0.1	1.4 ± 0.2
E00405	N06600	A	0.7 ± 0.1	0.4 ± 0.2
E00405	N06620	A	A	1.1 ± 0.2
E00405	N06640	A	0.8 ± 0.1	0.6 ± 0.2
E00405	N06660	A	0.8 ± 0.1	0.9 ± 0.2
E00405	N06680	A	0.7 ± 0.1	0.6 ± 0.2
E00405	N06700	A	1.0 ± 0.1	1.2 ± 0.2
E00405	N06720	A	1.0 ± 0.1	1.0 ± 0.2
E00405	N06740	A	0.8 ± 0.1	0.9 ± 0.2
E00405	N06760	A	3.0 ± 0.2	A
E00405	N06780	A	1.0 ± 0.1	1.1 ± 0.2
E00405	N06800	A	1.0 ± 0.1	1.2 ± 0.2
E00405	N06820	A	0.6 ± 0.1	1.0 ± 0.2
E00405	N06840	A	1.1 ± 0.1	1.1 ± 0.2

Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00405	N06860	A	7.9 ± 0.3	1.0 ± 0.2
E00405	N06880	A	1.9 ± 0.1	1.1 ± 0.2
E00405	N06900	A	1.5 ± 0.1	1.1 ± 0.2
E00405	N06920	A	1.6 ± 0.2	1.4 ± 0.2
E00405	N06960	A	0.7 ± 0.1	0.2 ± 0.2
E00405	N06980	A	0.9 ± 0.1	0.7 ± 0.2
E00405	N07000	A	1.3 ± 0.2	0.9 ± 0.2
E00405	N07020	A	1.1 ± 0.1	1.1 ± 0.2
E00405	N07040	A	1.1 ± 0.1	0.9 ± 0.2
E00405	N07060	A	1.3 ± 0.1	1.1 ± 0.2
E00405	N07080	A	0.8 ± 0.1	0.9 ± 0.2
E00405	N07100	A	0.5 ± 0.1	0.6 ± 0.2
E00405	N07120	A	1.4 ± 0.2	1.4 ± 0.2
E00405	N07140	A	4.7 ± 0.2	1.1 ± 0.2
E00405	N07160	1.4 ± 1.1	1.3 ± 0.1	0.7 ± 0.2
E00405	N07180	A	1.0 ± 0.1	0.7 ± 0.2
E00405	N07200	A	1.0 ± 0.1	1.4 ± 0.2
E00405	N07220	A	3.5 ± 0.2	0.8 ± 0.2
E00405	N07240	A	1.3 ± 0.1	1.4 ± 0.2
E00405	N07260	A	0.8 ± 0.1	1.0 ± 0.2
E00405	N07280	A	1.1 ± 0.1	1.0 ± 0.2
E00405	N07300	A	1.3 ± 0.1	1.5 ± 0.2
E00405	N07320	A	0.7 ± 0.1	0.6 ± 0.2
E00405	N07340	0.8 ± 0.8	0.9 ± 0.1	0.8 ± 0.2
E00405	N07360	A	0.2 ± 0.2	0.5 ± 0.4
E00405	N07380	A	1.2 ± 0.1	1.5 ± 0.2
E00405	N07400	A	0.8 ± 0.1	0.9 ± 0.2
E00405	N07420	A	1.3 ± 0.1	1.8 ± 0.2
E00405	N07440	A	0.9 ± 0.1	0.8 ± 0.2
E00405	N07460	A	0.9 ± 0.1	1.0 ± 0.2
E00405	N07480	A	0.9 ± 0.1	1.2 ± 0.2
E00405	N07500	A	0.8 ± 0.1	0.8 ± 0.2
E00405	N07520	A	1.0 ± 0.1	1.1 ± 0.2
E00405	N07540	A	0.8 ± 0.1	0.8 ± 0.2
E00405	N07560	A	0.9 ± 0.1	1.3 ± 0.2
E00405	N07580	A	0.8 ± 0.1	1.0 ± 0.2
E00405	N07600	A	4.3 ± 0.2	1.3 ± 0.2
E00405	N07620	A	1.0 ± 0.1	A
E00405	N07640	A	1.1 ± 0.1	1.1 ± 0.2
E00405	N07660	5.7 ± 1.6	0.6 ± 0.1	1.1 ± 0.2
E00405	N07680	A	0.8 ± 0.1	0.6 ± 0.2
E00405	N07700	A	1.7 ± 0.1	0.8 ± 0.2
E00405	N07720	A	0.7 ± 0.1	0.8 ± 0.2
E00405	N07740	A	0.9 ± 0.1	0.8 ± 0.2
E00405	N07760	2.3 ± 1.2	1.1 ± 0.1	1.5 ± 0.2
E00405	N07780	1.2 ± 1.1	0.6 ± 0.1	0.8 ± 0.2
E00405	N07800	3.9 ± 1.3	A	0.9 ± 0.2
E00405	N07820	A	1.0 ± 0.1	1.0 ± 0.2
E00405	N07840	A	1.0 ± 0.1	0.6 ± 0.2
E00405	N07860	A	2.3 ± 0.2	0.8 ± 0.2
E00405	N07880	A	0.7 ± 0.1	0.9 ± 0.2
E00405	N07900	A	0.9 ± 0.1	1.0 ± 0.2
E00405	N07920	A	0.9 ± 0.1	0.8 ± 0.2
E00405	N07940	A	1.2 ± 0.1	0.7 ± 0.2
E00405	N07960	A	0.7 ± 0.1	0.5 ± 0.2
E00405	N07980	A	1.0 ± 0.1	0.4 ± 0.2
E00405	N08000	A	1.3 ± 0.1	1.4 ± 0.2
E00405	N08020	A	1.0 ± 0.1	0.7 ± 0.2
E00405	N08040	A	0.8 ± 0.1	0.4 ± 0.2
E00405	N08060	A	1.6 ± 0.1	0.7 ± 0.2
E00405	N08080	A	1.2 ± 0.1	1.1 ± 0.2
E00405	N08100	A	2.4 ± 0.2	1.0 ± 0.2
E00405	N08120	A	4.5 ± 0.2	1.7 ± 0.2
E00405	N08140	A	3.9 ± 0.2	A
E00405	N08160	A	0.7 ± 0.1	1.0 ± 0.2
E00405	N08180	A	3.7 ± 0.2	1.0 ± 0.2
E00405	N08200	A	1.2 ± 0.1	0.9 ± 0.2
E00405	N08220	A	0.8 ± 0.1	0.8 ± 0.2
E00405	N08240	5.0 ± 1.3	0.9 ± 0.1	0.7 ± 0.2
E00405	N08260	A	3.4 ± 0.2	0.7 ± 0.2
E00405	N08280	A	1.1 ± 0.1	0.8 ± 0.2
E00405	N08300	A	0.8 ± 0.1	1.0 ± 0.2
E00405	N08320	A	1.5 ± 0.1	0.9 ± 0.2
E00405	N08340	A	1.1 ± 0.1	0.8 ± 0.2
E00405	N08360	A	2.4 ± 0.2	0.8 ± 0.2
E00405	N08380	A	1.8 ± 0.1	1.2 ± 0.2
E00405	N08400	A	1.3 ± 0.1	0.8 ± 0.2
E00405	N08420	A	5.1 ± 0.2	1.2 ± 0.2
E00405	N08440	A	11.8 ± 0.4	1.0 ± 0.2
E00405	N08460	A	0.8 ± 0.1	0.6 ± 0.2
E00405	N08480	A	2.2 ± 0.1	0.5 ± 0.2
E00405	N08500	A	0.9 ± 0.1	0.6 ± 0.2
E00405	N08520	A	1.0 ± 0.1	0.7 ± 0.2
E00405	N08540	A	0.7 ± 0.1	0.7 ± 0.2
E00405	N08560	A	0.9 ± 0.1	0.9 ± 0.2
E00405	N08580	A	0.9 ± 0.1	A
E00405	N08600	7.7 ± 1.6	0.9 ± 0.1	0.7 ± 0.2
E00405	N08620	A	1.0 ± 0.1	1.5 ± 0.2
E00405	N08640	A	0.7 ± 0.1	1.2 ± 0.2

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– continued – Table 13 in 1986 PRAR

Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00405	N08660	A	1.0 ± 0.1	0.9 ± 0.2
E00405	N08680	A	1.2 ± 0.1	0.8 ± 0.2
E00405	N08700	A	2.7 ± 0.2	0.6 ± 0.2
E00405	N08720	3.1 ± 1.6	1.1 ± 0.1	0.9 ± 0.3
E00405	N08740	A	3.7 ± 0.2	0.9 ± 0.3
E00405	N09420	A	1.0 ± 0.1	1.3 ± 0.2
E00405	N09440	A	7.5 ± 0.3	1.4 ± 0.3
E00405	N09460	A	1.2 ± 0.1	1.2 ± 0.2
E00405	N09480	A	1.3 ± 0.1	1.0 ± 0.2
E00405	N09500	A	2.0 ± 0.2	1.2 ± 0.2
E00405	N09520	A	1.0 ± 0.1	1.1 ± 0.2
E00405	N09540	A	2.4 ± 0.2	1.1 ± 0.3
E00405	N09560	A	1.7 ± 0.2	1.4 ± 0.2
E00406	N02885	A	2.0 ± 0.2	0.9 ± 0.2
E00406	N04005	A	0.9 ± 0.1	1.0 ± 0.2
E00408	N02668	A	1.0 ± 0.1	0.7 ± 0.2
E00408	N02808	A	1.1 ± 0.2	0.4 ± 0.2
E00408	N02826	A	0.8 ± 0.2	1.2 ± 0.4
E00408	N02845	3.1 ± 0.6	1.0 ± 0.1	1.3 ± 0.2
E00408	N02867	A	1.0 ± 0.1	0.9 ± 0.2
E00409	N02786	A	1.6 ± 0.1	A
E00410	N02645	A	1.5 ± 0.2	1.4 ± 0.3
E00410	N02767	A	0.9 ± 0.1	0.8 ± 0.2
E00410	N03315	A	A	0.6 ± 0.2
E00410	N03335	A	A	1.1 ± 0.2
E00410	N03355	A	A	0.9 ± 0.2
E00410	N04886	0.7 ± 0.2	1.2 ± 0.1	1.3 ± 0.2
E00410	N04896	0.9 ± 0.1	0.9 ± 0.1	1.0 ± 0.2
E00410	N04916	0.8 ± 0.2	1.3 ± 0.1	0.9 ± 0.2
E00410	N04936	1.3 ± 0.2	1.4 ± 0.1	0.9 ± 0.2
E00410	N04956	1.6 ± 0.2	1.8 ± 0.1	0.8 ± 0.2
E00410	N05990	A	1.2 ± 0.1	0.7 ± 0.2
E00410	N06010	A	1.1 ± 0.1	1.0 ± 0.2
E00410	N06030	A	1.0 ± 0.1	0.9 ± 0.2
E00410	N06050	A	0.8 ± 0.1	0.8 ± 0.2
E00410	N06070	A	0.7 ± 0.1	0.2 ± 0.2
E00410	N06090	A	1.0 ± 0.1	0.9 ± 0.2
E00410	N06110	A	2.0 ± 0.1	1.1 ± 0.2
E00410	N06130	A	2.3 ± 0.2	0.9 ± 0.2
E00410	N06150	A	1.1 ± 0.1	8.0 ± 0.2
E00410	N06170	A	1.4 ± 0.2	1.4 ± 0.5
E00410	N06190	A	0.9 ± 0.1	0.7 ± 0.2
E00410	N06210	A	0.9 ± 0.1	0.7 ± 0.2
E00410	N06230	A	0.6 ± 0.1	0.6 ± 0.2
E00410	N06250	A	1.2 ± 0.1	0.9 ± 0.2
E00410	N06270	2.0 ± 1.0	0.7 ± 0.3	A
E00410	N06290	A	1.0 ± 0.1	A
E00410	N06310	A	0.6 ± 0.2	0.6 ± 0.3
E00410	N06330	A	0.6 ± 0.1	1.0 ± 0.2
E00410	N06350	A	0.7 ± 0.2	0.9 ± 0.3
E00410	N06370	A	0.9 ± 0.1	0.9 ± 0.2
E00410	N06390	A	1.3 ± 0.1	0.6 ± 0.2
E00410	N06410	A	1.8 ± 0.1	A
E00410	N06430	A	1.4 ± 0.1	0.5 ± 0.2
E00410	N06450	A	1.0 ± 0.1	1.2 ± 0.2
E00410	N06470	A	1.3 ± 0.1	0.9 ± 0.2
E00410	N06490	A	7.0 ± 0.2	A
E00410	N06500	A	1.1 ± 0.1	0.7 ± 0.2
E00410	N06510	A	1.1 ± 0.1	A
E00410	N06530	A	1.3 ± 0.1	1.1 ± 0.2
E00410	N06550	A	0.9 ± 0.1	1.1 ± 0.2
E00410	N06570	A	1.3 ± 0.4	A
E00410	N06590	A	0.8 ± 0.1	0.7 ± 0.2
E00410	N06610	A	1.2 ± 0.1	0.8 ± 0.2
E00410	N06630	1.7 ± 0.8	0.6 ± 0.1	0.8 ± 0.2
E00410	N06650	A	0.8 ± 0.1	1.0 ± 0.2
E00410	N06670	A	0.9 ± 0.1	1.5 ± 0.2
E00410	N06690	A	0.9 ± 0.1	0.4 ± 0.2
E00410	N06710	A	0.8 ± 0.2	0.6 ± 0.3
E00410	N06730	A	1.4 ± 0.1	1.0 ± 0.2
E00410	N06750	A	0.9 ± 0.1	0.8 ± 0.2
E00410	N06770	A	1.2 ± 0.1	1.0 ± 0.2
E00410	N06790	A	0.9 ± 0.1	1.0 ± 0.2
E00410	N06810	A	0.9 ± 0.1	0.7 ± 0.2
E00410	N06830	A	6.5 ± 0.3	0.6 ± 0.3
E00410	N06850	A	1.0 ± 0.1	0.9 ± 0.2
E00410	N06870	A	1.3 ± 0.1	0.5 ± 0.2
E00410	N06890	A	2.6 ± 0.2	0.9 ± 0.2
E00410	N06910	A	1.0 ± 0.1	1.0 ± 0.2
E00410	N06930	A	0.7 ± 0.1	1.5 ± 0.3
E00410	N06950	A	0.6 ± 0.1	0.9 ± 0.2
E00410	N06970	A	1.1 ± 0.1	0.9 ± 0.2
E00410	N06990	A	1.1 ± 0.1	1.4 ± 0.2
E00410	N07010	A	0.9 ± 0.1	1.0 ± 0.2
E00410	N07030	A	0.8 ± 0.1	A
E00410	N07050	A	1.0 ± 0.1	0.9 ± 0.2
E00410	N07070	A	0.4 ± 0.1	1.5 ± 0.2
E00410	N07090	A	0.7 ± 0.1	0.6 ± 0.2
E00410	N07110	A	1.0 ± 0.1	0.8 ± 0.2
E00410	N07130	A	0.7 ± 0.1	0.7 ± 0.2
E00410	N07150	1.9 ± 1.3	1.0 ± 0.1	1.6 ± 0.2
E00410	N07170	A	1.0 ± 0.1	0.5 ± 0.2
E00410	N07190	A	0.8 ± 0.1	0.8 ± 0.2
E00410	N07210	A	0.7 ± 0.1	0.8 ± 0.2
E00410	N07230	A	1.3 ± 0.1	1.5 ± 0.2
E00410	N07250	A	1.5 ± 0.1	1.0 ± 0.2
E00410	N07270	A	2.5 ± 0.2	1.2 ± 0.2
E00410	N07290	A	1.4 ± 0.2	0.9 ± 0.2
E00410	N07310	A	0.7 ± 0.1	1.1 ± 0.3
E00410	N07330	A	0.8 ± 0.1	0.9 ± 0.2
E00410	N07350	A	1.4 ± 0.1	1.0 ± 0.2
E00410	N07370	A	0.9 ± 0.3	1.1 ± 0.5
E00410	N07390	3.5 ± 1.4	0.8 ± 0.1	1.0 ± 0.2
E00410	N07410	A	0.9 ± 0.1	1.1 ± 0.2
E00410	N07430	A	0.8 ± 0.1	1.0 ± 0.2
E00410	N07450	A	0.8 ± 0.1	0.8 ± 0.2
E00410	N07470	A	1.1 ± 0.1	1.1 ± 0.2
E00410	N07490	A	4.7 ± 0.2	0.8 ± 0.2
E00410	N07510	A	10.2 ± 0.4	1.1 ± 0.2
E00410	N07530	A	1.0 ± 0.1	0.7 ± 0.2
E00410	N07550	A	0.9 ± 0.1	1.1 ± 0.2
E00410	N07570	A	1.4 ± 0.2	1.3 ± 0.3
E00410	N07590	A	0.9 ± 0.1	1.0 ± 0.2
E00410	N07610	A	1.6 ± 0.1	1.0 ± 0.2
E00410	N07630	A	0.9 ± 0.1	1.2 ± 0.2
E00410	N07650	A	1.3 ± 0.1	1.5 ± 0.3
E00410	N07670	A	0.7 ± 0.1	0.8 ± 0.2
E00410	N07690	A	1.0 ± 0.1	1.2 ± 0.2
E00410	N07710	A	1.4 ± 0.1	1.1 ± 0.2
E00410	N07730	A	1.0 ± 0.1	0.7 ± 0.2
E00410	N07750	A	0.6 ± 0.1	0.5 ± 0.2
E00410	N07770	A	1.1 ± 0.1	1.5 ± 0.2
E00410	N07790	2.7 ± 1.1	1.0 ± 0.1	1.6 ± 0.2
E00410	N07810	A	1.0 ± 0.1	1.5 ± 0.2
E00410	N07830	A	0.9 ± 0.1	0.9 ± 0.2
E00410	N07850	A	1.1 ± 0.1	1.3 ± 0.2
E00410	N07870	A	0.9 ± 0.1	1.1 ± 0.2
E00410	N07890	A	0.8 ± 0.1	0.8 ± 0.2
E00410	N07910	A	0.8 ± 0.1	0.9 ± 0.2
E00410	N07930	A	1.0 ± 0.2	0.8 ± 0.3
E00410	N07950	A	0.8 ± 0.1	0.8 ± 0.2
E00410	N07970	2.8 ± 1.2	0.9 ± 0.1	0.7 ± 0.2
E00410	N07990	A	1.4 ± 0.1	0.7 ± 0.2
E00410	N08010	A	3.9 ± 0.3	1.0 ± 0.2
E00410	N08030	A	3.5 ± 0.2	1.0 ± 0.2
E00410	N08050	A	0.9 ± 0.1	0.9 ± 0.2
E00410	N08070	A	0.9 ± 0.1	0.9 ± 0.2
E00410	N08090	3.6 ± 1.9	1.2 ± 0.1	1.5 ± 0.3
E00410	N08110	A	1.0 ± 0.1	0.7 ± 0.2
E00410	N08130	A	11.6 ± 0.4	A
E00410	N08150	2.1 ± 2.2	4.2 ± 0.2	0.9 ± 0.2
E00410	N08170	A	0.8 ± 0.1	0.5 ± 0.2
E00410	N08190	A	1.0 ± 0.1	1.0 ± 0.2
E00410	N08210	A	0.9 ± 0.1	1.1 ± 0.2
E00410	N08230	A	1.1 ± 0.1	1.0 ± 0.3
E00410	N08250	A	1.0 ± 0.1	0.9 ± 0.2
E00410	N08270	A	1.2 ± 0.1	1.1 ± 0.2
E00410	N08290	A	8.7 ± 0.3	1.0 ± 0.3
E00410	N08310	A	1.1 ± 0.1	1.1 ± 0.2
E00410	N08330	A	1.1 ± 0.1	0.7 ± 0.2
E00410	N08350	A	0.8 ± 0.1	1.2 ± 0.2
E00410	N08370	A	1.0 ± 0.1	0.9 ± 0.2
E00410	N08390	A	1.3 ± 0.1	0.6 ± 0.2
E00410	N08410	A	3.4 ± 0.1	1.0 ± 0.2
E00410	N08430	A	6.9 ± 0.3	1.3 ± 0.2
E00410	N08450	A	4.3 ± 0.2	1.3 ± 0.2
E00410	N08470	1.5 ± 1.1	1.1 ± 0.1	0.6 ± 0.2
E00410	N08490	A	2.0 ± 0.1	0.7 ± 0.2
E00410	N08510	A	1.2 ± 0.1	1.1 ± 0.3
E00410	N08530	A	0.7 ± 0.1	1.1 ± 0.2
E00410	N08550	A	0.8 ± 0.1	0.7 ± 0.2
E00410	N08570	3.0 ± 1.8	4.6 ± 0.2	0.7 ± 0.2
E00410	N08590	A	7.2 ± 0.2	1.0 ± 0.2
E00410	N08610	A	3.0 ± 0.2	0.8 ± 0.2
E00410	N08630	A	1.3 ± 0.1	1.1 ± 0.2
E00410	N08650	A	14.3 ± 0.4	1.3 ± 0.3
E00410	N08670	A	0.9 ± 0.1	1.4 ± 0.2
E00410	N08690	A	9.1 ± 0.3	0.5 ± 0.3
E00410	N08710	A	6.5 ± 0.2	0.9 ± 0.3
E00410	N08730	A	1.2 ± 0.1	1.0 ± 0.2
E00410	N08750	A	2.9 ± 0.2	0.7 ± 0.2
E00410	N08760	2.6 ± 1.1	2.1 ± 0.1	0.8 ± 0.2
E00410	N08780	A	3.2 ± 0.2	0.7 ± 0.2
E00410	N08800	A	0.6 ± 0.1	0.5 ± 0.2
E00410	N08820	3.0 ± 1.2	1.2 ± 0.1	1.5 ± 0.2
E00410	N08840	A	1.0 ± 0.1	1.7 ± 0.2
E00410	N08860	2.9 ± 1.5	1.5 ± 0.1	1.0 ± 0.2
E00410	N08880	A	2.6 ± 0.2	1.3 ± 0.2
E00410	N08900	A	1.4 ± 0.1	1.0 ± 0.2
E00410	N08920	4.0 ± 1.6	4.1 ± 0.1	1.0 ± 0.2
E00410	N08940	A	5.8 ± 0.3	1.3 ± 0.3
E00410	N08960	A	11.2 ± 0.4	1.0 ± 0.3
E00410	N08980	A	2.9 ± 0.2	0.7 ± 0.2
E00410	N09000	A	2.4 ± 0.2	0.9 ± 0.2
E00410	N09020	3.1 ± 4.0	11.8 ± 0.4	1.7 ± 0.4
E00410	N09040	A	16.2 ± 0.5	A
E00410	N09060	A	3.5 ± 0.2	0.9 ± 0.2
E00410	N09080	A	4.9 ± 0.2	0.9 ± 0.3
E00410	N09100	A	8.4 ± 0.3	1.2 ± 0.3
E00410	N09120	1.1 ± 1.3	3.4 ± 0.2	0.8 ± 0.2
E00410	N09140	A	3.5 ± 0.2	0.6 ± 0.2
E00410	N09160	A	4.0 ± 0.3	0.9 ± 0.2
E00410	N09180	A	4.4 ± 0.2	1.0 ± 0.2
E00410	N09200	A	3.7 ± 0.2	A
E00410	N09220	A	1.5 ± 0.1	A
E00410	N09240	A	5.5 ± 0.2	0.5 ± 0.3
E00410	N09270	A	3.0 ± 0.1	0.9 ± 0.2
E00410	N09290	A	2.5 ± 0.2	1.2 ± 0.2
E00410	N09310	A	2.2 ± 0.1	0.4 ± 0.2
E00410	N09330	A	0.9 ± 0.1	0.8 ± 0.2
E00410	N09350	A	1.3 ± 0.1	1.0 ± 0.2
E00410	N09370	A	1.2 ± 0.1	1.0 ± 0.2
E00410	N09390	A	5.1 ± 0.2	0.8 ± 0.2
E00410	N09410	A	1.5 ± 0.1	0.4 ± 0.2
E00410	N09430	A	1.0 ± 0.1	0.6 ± 0.2
E00410	N09450	2.8 ± 1.4	3.0 ± 0.2	0.9 ± 0.2
E00410	N09470	5.0 ± 1.2	0.9 ± 0.1	1.0 ± 0.2
E00410	N09490	A	1.3 ± 0.1	0.8 ± 0.2
E00410	N09510	2.1 ± 0.2	3.4 ± 0.2	0.7 ± 0.2
E00410	N09530	2.5 ± 1.5	1.4 ± 0.1	1.2 ± 0.2
E00410	N09550	A	1.2 ± 0.2	1.4 ± 0.2
E00410	N09570	A	2.1 ± 0.2	1.0 ± 0.2
E00410	N09590	2.2 ± 1.4	1.5 ± 0.1	1.1 ± 0.2
E00410	N09610	A	3.1 ± 0.2	1.3 ± 0.2
E00410	N09630	A	1.1 ± 0.1	0.8 ± 0.2
E00410	N09650	A	7.5 ± 0.3	1.1 ± 0.2
E00410	N09660	A	5.2 ± 0.2	0.5 ± 0.2
E00410	N09680	A	6.1 ± 0.3	1.0 ± 0.3
E00410	N09700	A	4.2 ± 0.3	1.2 ± 0.3
E00410	N09720	A	2.0 ± 0.1	0.8 ± 0.3
E00410	N09740	A	1.9 ± 0.2	1.4 ± 0.2
E00411	N02748	A	1.0 ± 0.1	1.0 ± 0.2
E00412	N02729	A	0.7 ± 0.2	0.8 ± 0.2
E00412	N03120	A	0.8 ± 0.2	0.5 ± 0.2
E00412	N03140	A	0.9 ± 0.1	0.2 ± 0.2
E00412	N03160	A	0.9 ± 0.2	0.9 ± 0.4
E00412	N03180	A	0.9 ± 0.2	0.7 ± 0.2
E00412	N03200	A	1.1 ± 0.2	0.7 ± 0.3
E00412	N03220	A	0.7 ± 0.2	1.5 ± 0.4
E00412	N03240	A	1.1 ± 0.1	1.4 ± 0.2
E00412	N03560	A	1.0 ± 0.1	0.9 ± 0.2
E00412	N03600	A	0.6 ± 0.1	0.4 ± 0.2
E00412	N03620	A	0.7 ± 0.2	0.7 ± 0.2
E00412	N03640	A	1.8 ± 0.2	1.1 ± 0.2
E00412	N03680	5.5 ± 2.2	0.9 ± 0.1	0.8 ± 0.2
E00412	N03700	5.1 ± 1.9	1.2 ± 0.1	1.3 ± 0.2
E00412	N03720	1.4 ± 0.8	0.8 ± 0.1	0.6 ± 0.2
E00412	N03740	A	0.9 ± 0.1	1.2 ± 0.2
E00412	N03760	A	0.9 ± 0.1	0.9 ± 0.2
E00412	N03780	A	0.6 ± 0.1	0.9 ± 0.2
E00412	N03800	A	0.9 ± 0.1	1.2 ± 0.2
E00412	N03820	A	0.8 ± 0.2	0.9 ± 0.2
E00412	N03840	A	0.8 ± 0.1	1.2 ± 0.2
E00412	N03860	A	0.8 ± 0.2	0.8 ± 0.2
E00412	N03880	0.4 ± 0.4	0.6 ± 0.1	0.9 ± 0.3
E00412	N03900	A	0.8 ± 0.1	0.9 ± 0.2
E00412	N03920	A	0.8 ± 0.1	0.8 ± 0.2
E00412	N03940	0.5 ± 0.2	0.7 ± 0.1	0.8 ± 0.2
E00413	N03660	A	1.2 ± 0.1	0.8 ± 0.2
E00414	N02607	A	0.6 ± 0.1	0.9 ± 0.2
E00414	N02625	A	0.7 ± 0.1	1.2 ± 0.2
E00414	N02769	A	0.8 ± 0.2	0.9 ± 0.3
E00414	N03580	A	1.3 ± 0.2	1.0 ± 0.2
E00415	N02686	A	1.0 ± 0.1	0.9 ± 0.2
E00415	N02900	A	1.0 ± 0.1	0.7 ± 0.2
E00415	N02910	A	1.7 ± 0.2	0.8 ± 0.3
E00415	N02920	A	1.1 ± 0.1	1.4 ± 0.2
E00415	N02930	A	0.9 ± 0.1	A
E00415	N02940	A	1.0 ± 0.1	1.2 ± 0.2
E00415	N02950	3.9 ± 2.5	1.2 ± 0.2	0.7 ± 0.3
E00415	N02960	A	1.1 ± 0.2	1.2 ± 0.2
E00415	N02970	A	1.0 ± 0.1	0.6 ± 0.2
E00415	N02980	A	0.6 ± 0.1	1.0 ± 0.2
E00415	N02990	A	1.7 ± 0.2	0.8 ± 0.2
E00415	N03000	A	0.9 ± 0.1	0.8 ± 0.2
E00415	N03010	A	1.6 ± 0.2	1.4 ± 0.3
E00415	N03020	A	1.3 ± 0.1	1.3 ± 0.3
E00415	N03030	A	1.7 ± 0.2	1.0 ± 0.2
E00415	N03040	A	1.4 ± 0.2	0.5 ± 0.3
E00415	N03050	A	1.6 ± 0.1	1.4 ± 0.2
E00415	N03060	A	1.5 ± 0.1	0.5 ± 0.2
E00415	N03070	A	0.9 ± 0.1	1.2 ± 0.2
E00415	N03080	A	1.2 ± 0.1	0.6 ± 0.3
E00415	N03090	A	2.3 ± 0.2	0.8 ± 0.2
E00415	N03100	2.2 ± 2.2	1.8 ± 0.2	1.1 ± 0.2
E00415	N03260	A	0.8 ± 0.1	1.1 ± 0.2
E00415	N03280	A	0.9 ± 0.1	0.5 ± 0.2
E00415	N03360	A	1.0 ± 0.1	A
E00415	N03380	0.3 ± 0.4	0.8 ± 0.1	1.1 ± 0.2
E00415	N03400	A	5.1 ± 0.3	0.4 ± 0.3
E00415	N03420	2.9 ± 0.7	1.0 ± 0.1	0.9 ± 0.2
E00415	N03440	A	1.0 ± 0.1	0.8 ± 0.2
E00415	N03460	A	3.6 ± 0.2	0.4 ± 0.4
E00415	N03480	A	1.2 ± 0.1	0.4 ± 0.2
E00415	N03500	A	1.0 ± 0.2	0.7 ± 0.3
E00415	N03520	A	1.0 ± 0.2	1.2 ± 0.3
E00415	N03540	A	1.0 ± 0.1	1.1 ± 0.2
E00415	N04040	A	1.4 ± 0.2	0.6 ± 0.2
E00415	N04060	A	1.1 ± 0.1	1.2 ± 0.2
E00415	N04080	0.5 ± 1.2	0.7 ± 0.1	0.5 ± 0.2
E00415	N04100	A	0.8 ± 0.1	0.9 ± 0.2
E00415	N04120	A	3.2 ± 0.2	1.1 ± 0.2
E00415	N04140	A	0.9 ± 0.1	1.3 ± 0.2
E00415	N04160	A	0.9 ± 0.1	1.3 ± 0.2
E00415	N04180	5.4 ± 2.6	1.7 ± 0.2	0.9 ± 0.2
E00415	N04200	2.4 ± 2.1	1.0 ± 0.1	0.8 ± 0.2
E00415	N04220	A	1.1 ± 0.1	0.8 ± 0.2
E00415	N04240	4.7 ± 1.9	0.7 ± 0.1	0.9 ± 0.3
E00415	N04260	A	1.0 ± 0.2	1.1 ± 0.2
E00415	N04280	A	0.9 ± 0.1	1.0 ± 0.2
E00415	N04300	A	1.4 ± 0.2	0.7 ± 0.2
E00415	N04320	0.7 ± 0.4	1.2 ± 0.1	0.8 ± 0.2
E00415	N04340	A	1.0 ± 0.1	1.2 ± 0.3
E00415	N04360	0.9	1.3 ± 0.1	1.0 ± 0.2
E00415	N04380	A	1.2 ± 0.1	0.5 ± 0.2
E00415	N04400	A	4.2 ± 0.3	0.6 ± 0.2
E00415	N04420	A	6.4 ± 0.2	0.4 ± 0.2
E00415	N04440	0.8 ± 0.2	0.6 ± 0.1	0.7 ± 0.2
E00415	N04460	A	0.7 ± 0.1	0.7 ± 0.2
E00415	N04480	A	1.1 ± 0.1	1.1 ± 0.2
E00415	N04500	A	1.8 ± 0.2	0.9 ± 0.2
E00415	N04520	A	1.0 ± 0.1	0.6 ± 0.2
E00415	N04540	3.0 ± 2.3	1.0 ± 0.1	0.8 ± 0.2
E00415	N04560	A	0.7 ± 0.1	0.6 ± 0.3
E00415	N04580	4.0 ± 2.6	1.0 ± 0.2	0.9 ± 0.2
E00415	N04600	A	1.7 ± 0.1	1.2 ± 0.2
E00415	N04620	A	0.9 ± 0.1	0.5 ± 0.2
E00415	N04640	A	0.9 ± 0.1	1.1 ± 0.2
E00415	N04680	A	0.8 ± 0.1	0.7 ± 0.2
E00415	N04700	0.8	0.8 ± 0.1	0.7 ± 0.2
E00415	N04720	0.2 ± 0.4	0.7 ± 0.1	0.7 ± 0.2
E00415	N04740	2.2 ± 0.6	1.1 ± 0.1	1.0 ± 0.2
E00415	N04760	1.3 ± 1.2	0.9 ± 0.1	1.9 ± 0.2
E00415	N04780	A	0.9 ± 0.1	0.7 ± 0.2
E00415	N04800	A	0.8 ± 0.1	0.9 ± 0.2
E00415	N04820	A	0.8 ± 0.1	0.8 ± 0.2
E00415	N04832	A	3.1 ± 0.2	0.8 ± 0.2
E00415	N04840	0.4 ± 0.4	0.9 ± 0.1	1.2 ± 0.2
E00415	N04860	0.7 ± 0.4	0.8 ± 0.1	0.6 ± 0.3
E00415	N04880	0.6 ± 0.5	1.4 ± 0.1	0.6 ± 0.3
E00415	N04990	A	3.9 ± 0.2	A
E00415	N05010	A	1.8 ± 0.2	A
E00415	N05030	A	4.2 ± 0.3	1.2 ± 0.3
E00415	N05050	A	4.6 ± 0.2	0.7 ± 0.2
E00415	N05070	A	2.3 ± 0.2	1.1 ± 0.2
E00415	N05090	A	8.8 ± 0.3	1.0 ± 0.2
E00415	N05110	A	0.7 ± 0.1	0.6 ± 0.2
E00415	N05130	A	1.3 ± 0.1	0.5 ± 0.2
E00415	N05150	A	1.2 ± 0.1	0.6 ± 0.2
E00415	N05170	A	2.8 ± 0.2	1.1 ± 0.2
E00415	N05190	A	5.7 ± 0.2	A
E00415	N05210	A	3.8 ± 0.4	A
E00415	N05230	A	1.6 ± 0.1	0.9 ± 0.2
E00415	N05250	A	1.9 ± 0.1	0.9 ± 0.2
E00415	N05270	A	1.6 ± 0.2	0.9 ± 0.2
E00415	N05290	A	1.1 ± 0.1	1.4 ± 0.2
E00415	N05310	A	1.7 ± 0.3	1.0 ± 0.3
E00415	N05330	A	1.0 ± 0.1	0.6 ± 0.2
E00415	N05350	A	1.5 ± 0.1	1.3 ± 0.2
E00415	N05370	A	1.7 ± 0.1	0.6 ± 0.2
E00415	N05390	A	1.4 ± 0.1	0.6 ± 0.2
E00415	N05410	A	0.9 ± 0.1	0.6 ± 0.2
E00415	N05430	A	0.9 ± 0.1	0.7 ± 0.2
E00415	N05450	A	0.7 ± 0.1	0.8 ± 0.2
E00415	N05470	A	1.3 ± 0.1	1.5 ± 0.2
E00415	N05490	A	0.8 ± 0.1	1.1 ± 0.2
E00415	N05510	A	0.7 ± 0.1	A
E00415	N05530	A	0.6 ± 0.1	0.5 ± 0.2
E00415	N05550	A	1.2 ± 0.1	0.4 ± 0.2
E00415	N05570	A	1.9 ± 0.2	0.8 ± 0.3
E00415	N05590	A	0.7 ± 0.1	0.7 ± 0.2
E00415	N05610	A	1.3 ± 0.1	0.7 ± 0.2
E00415	N05630	A	1.0 ± 0.1	0.7 ± 0.2
E00415	N05650	A	5.8 ± 0.3	0.9 ± 0.3
E00415	N05670	A	2.8 ± 0.2	1.1 ± 0.2
E00415	N05690	A	0.9 ± 0.1	1.1 ± 0.2
E00415	N05710	A	1.4 ± 0.2	0.7 ± 0.2
E00415	N05730	A	0.8 ± 0.1	1.0 ± 0.2
E00415	N05750	A	0.9 ± 0.1	0.6 ± 0.2
E00415	N05770	A	9.3 ± 0.3	0.9 ± 0.2
E00415	N05790	A	0.9 ± 0.1	A
E00415	N05800	A	1.2 ± 0.1	0.9 ± 0.2
E00415	N05810	A	1.4 ± 0.1	0.9 ± 0.2
E00415	N05830	A	1.6 ± 0.1	1.0 ± 0.2
E00415	N05850	A	1.6 ± 0.2	0.9 ± 0.2
E00415	N05870	A	5.2 ± 0.3	0.6 ± 0.3
E00415	N05890	A	2.5 ± 0.2	1.4 ± 0.2
E00415	N05910	A	0.9 ± 0.1	0.9 ± 0.2
E00415	N05930	1.3 ± 1.1	3.5 ± 0.2	0.7 ± 0.2
E00415	N05950	A	1.1 ± 0.1	1.3 ± 0.2
E00415	N05970	A	0.9 ± 0.1	1.1 ± 0.2
E00415	N06700	A	2.2 ± 0.1	1.2 ± 0.2
E00415	N06720	A	1.0 ± 0.1	1.2 ± 0.2
E00415	N06740	A	0.5 ± 0.1	1.0 ± 0.2
E00415	N06760	A	1.1 ± 0.1	0.9 ± 0.2
E00415	N06780	A	1.0 ± 0.1	0.5 ± 0.2
E00415	N06800	A	0.9 ± 0.1	1.3 ± 0.2
E00415	N06820	A	1.1 ± 0.1	0.9 ± 0.2
E00415	N06840	A	1.0 ± 0.1	0.8 ± 0.2
E00415	N06860	A	1.0 ± 0.1	0.8 ± 0.2
E00415	N06880	A	0.8 ± 0.1	0.8 ± 0.2
E00415	N06900	A	0.8 ± 0.1	0.5 ± 0.2
E00415	N06920	A	0.8 ± 0.1	0.9 ± 0.2
E00415	N06940	A	1.4 ± 0.1	1.1 ± 0.2
E00415	N06960	A	0.7 ± 0.1	0.8 ± 0.2
E00415	N06980	A	3.1 ± 0.1	0.8 ± 0.3
E00415	N07000	A	0.6 ± 0.1	1.3 ± 0.2
E00416	N02885	A	1.2 ± 0.1	1.1 ± 0.2
E00418	N02585	A	0.6 ± 0.1	0.5 ± 0.2
E00418	N02668	A	1.0 ± 0.1	1.5 ± 0.3
E00418	N02808	2.1 ± 2.1	0.9 ± 0.1	1.1 ± 0.2
E00418	N02826	A	0.6 ± 0.2	0.4 ± 0.2
E00418	N02845	A	0.6 ± 0.1	1.2 ± 0.2
E00418	N02867	1.1 ± 0.5	0.8 ± 0.1	0.8 ± 0.2
E00419	N02568	A	0.7 ± 0.1	0.8 ± 0.2
E00419	N02786	A	0.8 ± 0.2	A
E00420	N02645	A	0.9 ± 0.1	0.9 ± 0.2
E00420	N02767	A	0.9 ± 0.1	0.6 ± 0.2
E00420	N04886	0.6	0.8 ± 0.1	0.7 ± 0.2
E00420	N04896	0.3 ± 0.2	0.8 ± 0.1	0.7 ± 0.2
E00420	N04916	0.4 ± 0.2	0.9 ± 0.1	0.8 ± 0.2
E00420	N04936	0.4	0.6 ± 0.1	0.8 ± 0.2
E00420	N04956	1.4	0.9 ± 0.1	0.9 ± 0.2
E00420	N04980	A	0.9 ± 0.1	0.8 ± 0.2
E00420	N05000	A	1.9 ± 0.2	0.9 ± 0.2
E00420	N05020	A	1.1 ± 0.1	A
E00420	N05040	A	23.5 ± 0.5	0.5 ± 0.4
E00420	N05060	A	3.2 ± 0.2	1.1 ± 0.2
E00420	N05080	A	5.5 ± 0.3	1.1 ± 0.2
E00420	N05100	A	5.9 ± 0.2	0.7 ± 0.2
E00420	N05110	A	1.6 ± 0.3	A
E00420	N05120	A	1.1 ± 0.1	0.7 ± 0.2
E00420	N05140	A	1.8 ± 0.1	0.8 ± 0.2
E00420	N05160	A	3.1 ± 0.2	0.6 ± 0.2
E00420	N05180	A	5.0 ± 0.2	1.1 ± 0.2
E00420	N05200	A	2.5 ± 0.1	0.9 ± 0.2
E00420	N05220	A	4.0 ± 0.4	0.3 ± 0.2
E00420	N05240	A	9.4 ± 0.3	1.0 ± 0.3
E00420	N05260	A	8.8 ± 0.3	A
E00420	N05280	A	3.6 ± 0.2	1.1 ± 0.2
E00420	N05300	A	0.7 ± 0.1	0.6 ± 0.2
E00420	N05320	A	1.3 ± 0.2	0.6 ± 0.2
E00420	N05340	A	2.3 ± 0.1	0.6 ± 0.2
E00420	N05360	A	4.0 ± 0.2	0.9 ± 0.2
E00420	N05380	A	2.0 ± 0.2	0.9 ± 0.2
E00420	N05400	A	10.0 ± 0.3	0.4 ± 0.2
E00420	N05420	A	2.2 ± 0.2	1.4 ± 0.2
E00420	N05440	A	3.9 ± 0.2	0.8 ± 0.2
E00420	N05460	A	5.4 ± 0.3	1.3 ± 0.2
E00420	N05480	A	2.7 ± 0.2	1.2 ± 0.2
E00420	N05500	A	8.8 ± 0.3	0.9 ± 0.2
E00420	N05520	A	2.2 ± 0.2	0.8 ± 0.2
E00420	N05540	A	4.2 ± 0.2	1.2 ± 0.3
E00420	N05560	A	1.1 ± 0.1	1.3 ± 0.2
E00420	N05580	A	8.7 ± 0.3	0.7 ± 0.2

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Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00420	N05600	A	4.9 ± 0.3	1.0 ± 0.2
E00420	N05620	A	10.0 ± 0.3	0.9 ± 0.2
E00420	N05640	A	1.2 ± 0.1	0.9 ± 0.3
E00420	N05660	A	2.6 ± 0.2	1.1 ± 0.2
E00420	N05680	A	3.8 ± 0.2	0.6 ± 0.2
E00420	N05700	A	3.8 ± 0.2	0.4 ± 0.2
E00420	N05720	A	2.0 ± 0.1	A
E00420	N05740	A	3.3 ± 0.2	A
E00420	N05760	A	1.6 ± 0.2	1.1 ± 0.2
E00420	N05780	A	2.4 ± 0.2	0.9 ± 0.2
E00420	N05800	1.9 ± 2.4	8.2 ± 0.3	1.5 ± 0.3
E00420	N05820	A	8.3 ± 0.3	A
E00420	N05840	A	6.5 ± 0.3	0.9 ± 0.2
E00420	N05860	A	9.3 ± 0.3	0.4 ± 0.2
E00420	N05880	A	2.5 ± 0.2	1.1 ± 0.2
E00420	N05900	A	16.4 ± 0.5	A
E00420	N05920	A	11.5 ± 0.3	A
E00420	N05940	A	1.8 ± 0.1	1.1 ± 0.2
E00420	N05960	1.3 ± 1.2	3.6 ± 0.2	0.9 ± 0.2
E00420	N05980	A	7.9 ± 0.3	0.7 ± 0.2
E00420	N06000	A	8.5 ± 0.3	0.8 ± 0.2
E00420	N06020	2.4 ± 1.4	3.4 ± 0.2	1.2 ± 0.2
E00420	N06040	A	4.5 ± 0.3	1.1 ± 0.2
E00420	N06060	A	2.5 ± 0.2	A
E00420	N06080	A	2.3 ± 0.1	0.7 ± 0.2
E00420	N06100	A	0.8 ± 0.1	0.8 ± 0.2
E00420	N06120	A	6.0 ± 0.3	0.9 ± 0.2
E00420	N06140	A	1.7 ± 0.1	1.0 ± 0.2
E00420	N06160	A	1.0 ± 0.1	0.6 ± 0.2
E00420	N06180	2.5 ± 1.5	0.9 ± 0.2	1.1 ± 0.2
E00420	N06200	A	1.0 ± 0.1	1.0 ± 0.2
E00420	N06220	A	2.1 ± 0.2	0.5 ± 0.2
E00420	N06240	A	2.1 ± 0.1	0.9 ± 0.2
E00420	N06260	A	3.1 ± 0.2	A
E00420	N06280	A	3.9 ± 0.2	0.9 ± 0.2
E00420	N06300	A	0.9 ± 0.1	0.9 ± 0.2
E00420	N06320	A	8.7 ± 0.3	0.7 ± 0.3
E00420	N06340	A	0.8 ± 0.1	0.6 ± 0.2
E00420	N06360	A	1.3 ± 0.1	0.9 ± 0.2
E00420	N06380	A	3.2 ± 0.2	0.8 ± 0.2
E00420	N06400	A	1.1 ± 0.1	0.8 ± 0.2
E00420	N06420	A	13.8 ± 0.4	1.2 ± 0.2
E00420	N06440	A	12.4 ± 0.4	1.4 ± 0.3
E00420	N06460	A	2.1 ± 0.1	A
E00420	N06480	1.5 ± 1.8	1.0 ± 0.1	1.1 ± 0.2
E00420	N06500	A	1.2 ± 0.1	1.0 ± 0.2
E00420	N06520	A	8.9 ± 0.3	1.1 ± 0.2
E00420	N06540	A	3.8 ± 0.5	A
E00420	N06560	A	2.3 ± 0.2	0.8 ± 0.2
E00420	N06580	A	3.3 ± 0.2	0.8 ± 0.2
E00420	N06600	A	3.5 ± 0.2	0.7 ± 0.2
E00420	N06620	A	3.0 ± 0.2	0.7 ± 0.2
E00420	N06640	A	1.8 ± 0.1	0.5 ± 0.2
E00420	N06660	A	5.2 ± 0.2	1.3 ± 0.3
E00420	N06680	A	0.8 ± 0.1	0.4 ± 0.2
E00420	N07020	A	1.2 ± 0.1	0.7 ± 0.2
E00420	N07040	A	3.1 ± 0.2	0.5 ± 0.2
E00420	N07060	A	1.1 ± 0.1	0.9 ± 0.2
E00420	N07080	A	0.8 ± 0.1	1.3 ± 0.2
E00420	N07100	A	0.9 ± 0.1	1.1 ± 0.2
E00420	N07120	A	1.0 ± 0.1	0.8 ± 0.2
E00420	N07140	A	1.5 ± 0.2	1.0 ± 0.2
E00420	N07160	A	1.6 ± 0.2	1.4 ± 0.3
E00420	N07180	A	1.2 ± 0.1	0.9 ± 0.2
E00420	N07200	A	0.9 ± 0.1	1.5 ± 0.2
E00420	N07220	A	0.8 ± 0.1	0.8 ± 0.2
E00420	N07240	A	1.1 ± 0.1	1.1 ± 0.2
E00420	N07260	A	2.1 ± 0.1	0.8 ± 0.2
E00420	N07280	A	1.3 ± 0.1	1.2 ± 0.2
E00420	N07300	A	2.2 ± 0.2	0.7 ± 0.2
E00420	N07320	A	1.1 ± 0.1	0.8 ± 0.2
E00420	N07340	1.6 ± 1.1	1.9 ± 0.1	1.0 ± 0.2
E00420	N07360	A	0.7 ± 0.1	0.3 ± 0.2
E00420	N07380	A	2.0 ± 0.1	0.8 ± 0.2
E00420	N07400	A	3.1 ± 0.2	A
E00420	N07420	A	0.8 ± 0.1	1.0 ± 0.2
E00420	N07440	A	2.0 ± 0.2	0.8 ± 0.2
E00420	N07460	A	0.7 ± 0.1	0.7 ± 0.2
E00420	N07480	A	0.8 ± 0.1	0.9 ± 0.2
E00420	N07500	A	4.9 ± 0.2	1.1 ± 0.2
E00420	N07520	A	1.1 ± 0.1	0.8 ± 0.2
E00420	N07540	A	1.0 ± 0.1	0.6 ± 0.2
E00420	N07560	A	0.9 ± 0.1	0.4 ± 0.2
E00420	N07580	A	1.6 ± 0.1	0.7 ± 0.2
E00420	N07600	A	4.6 ± 0.2	0.6 ± 0.2
E00420	N07620	A	1.0 ± 0.1	0.7 ± 0.2
E00420	N07640	A	0.8 ± 0.1	0.8 ± 0.2
E00420	N07660	A	1.1 ± 0.1	0.7 ± 0.2
E00420	N07680	A	0.9 ± 0.1	1.0 ± 0.2

Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00420	N07700	A	1.0 ± 0.1	0.9 ± 0.2
E00420	N07720	A	1.0 ± 0.1	0.8 ± 0.2
E00420	N07740	A	1.3 ± 0.1	0.7 ± 0.2
E00420	N07760	A	1.9 ± 0.1	A
E00420	N07780	A	1.3 ± 0.1	1.6 ± 0.2
E00420	N07800	A	0.8 ± 0.1	0.9 ± 0.2
E00420	N07820	A	0.9 ± 0.1	0.8 ± 0.2
E00420	N07840	A	0.8 ± 0.1	0.8 ± 0.2
E00420	N07860	A	2.5 ± 0.2	1.1 ± 0.2
E00420	N07880	A	0.2 ± 0.1	A
E00420	N07900	A	0.8 ± 0.1	0.8 ± 0.2
E00420	N07920	A	2.6 ± 0.2	1.1 ± 0.2
E00420	N07940	A	4.1 ± 0.2	0.9 ± 0.2
E00420	N07960	A	2.0 ± 0.2	0.7 ± 0.2
E00420	N07980	A	4.2 ± 0.2	0.8 ± 0.2
E00420	N08000	A	3.1 ± 0.2	0.7 ± 0.2
E00420	N08020	A	5.4 ± 0.2	1.2 ± 0.2
E00420	N08040	1.6 ± 1.6	1.2 ± 0.1	0.7 ± 0.2
E00420	N08060	A	0.7 ± 0.3	1.3 ± 0.3
E00420	N08080	A	1.6 ± 0.1	1.2 ± 0.2
E00420	N08100	A	2.5 ± 0.7	1.7 ± 0.2
E00420	N08120	A	9.4 ± 0.4	A
E00420	N08140	A	23.6 ± 0.5	0.9 ± 0.3
E00420	N08160	A	2.6 ± 0.6	1.6 ± 0.4
E00420	N08180	A	22.8 ± 0.5	1.5 ± 0.4
E00420	N08200	A	12.9 ± 0.4	1.6 ± 0.4
E00420	N08220	A	3.0 ± 0.2	0.8 ± 0.2
E00420	N08240	A	2.9 ± 0.2	0.7 ± 0.2
E00420	N08260	A	2.3 ± 0.1	1.0 ± 0.2
E00420	N08280	A	0.9 ± 0.1	0.9 ± 0.2
E00420	N08300	34.6 ± 2.7	1.9 ± 0.1	1.0 ± 0.2
E00420	N08320	A	3.4 ± 0.2	1.4 ± 0.2
E00420	N08340	A	3.3 ± 0.2	1.0 ± 0.2
E00420	N08360	A	1.8 ± 0.1	1.3 ± 0.2
E00420	N08380	A	2.5 ± 0.1	1.1 ± 0.2
E00420	N08400	A	2.2 ± 0.2	1.0 ± 0.2
E00420	N08420	A	2.1 ± 0.1	0.8 ± 0.2
E00420	N08440	A	1.2 ± 0.1	1.2 ± 0.2
E00420	N08460	A	1.7 ± 0.1	0.9 ± 0.2
E00420	N08480	3.3 ± 1.8	2.9 ± 0.2	1.0 ± 0.2
E00420	N08500	A	8.6 ± 0.3	A
E00420	N08520	A	2.5 ± 0.2	0.8 ± 0.4
E00420	N08540	A	1.4 ± 0.1	0.7 ± 0.2
E00420	N08560	4.1 ± 1.6	0.9 ± 0.1	0.9 ± 0.2
E00420	N08580	2.5 ± 1.0	1.5 ± 0.1	0.7 ± 0.2
E00420	N08600	A	1.1 ± 0.1	0.7 ± 0.2
E00420	N08620	A	1.1 ± 0.1	0.8 ± 0.2
E00420	N08640	A	1.0 ± 0.1	0.8 ± 0.2
E00420	N08660	A	1.3 ± 0.1	1.3 ± 0.2
E00420	N08680	2.2 ± 1.4	1.1 ± 0.1	1.2 ± 0.2
E00420	N08700	A	15.0 ± 0.4	1.2 ± 0.3
E00420	N08720	A	0.9 ± 0.1	1.2 ± 0.2
E00420	N08740	A	1.8 ± 0.1	0.5 ± 0.2
E00420	N08750	A	6.7 ± 0.3	0.8 ± 0.2
E00420	N08770	A	4.5 ± 0.3	1.5 ± 0.3
E00420	N08790	A	1.5 ± 0.1	0.5 ± 0.2
E00420	N08810	A	1.5 ± 0.1	1.0 ± 0.2
E00420	N08830	A	0.7 ± 0.1	0.5 ± 0.2
E00420	N08850	A	1.3 ± 0.1	1.4 ± 0.2
E00420	N08870	A	1.4 ± 0.1	1.2 ± 0.2
E00420	N08890	A	1.6 ± 0.1	0.9 ± 0.2
E00420	N08910	A	3.7 ± 0.2	0.9 ± 0.2
E00420	N08930	A	2.1 ± 0.2	1.0 ± 0.2
E00420	N08950	A	4.3 ± 0.2	0.8 ± 0.2
E00420	N08970	A	1.9 ± 0.2	1.4 ± 0.2
E00420	N08990	A	1.1 ± 0.1	1.1 ± 0.2
E00420	N09010	A	1.2 ± 0.1	0.8 ± 0.2
E00420	N09030	A	1.2 ± 0.2	1.1 ± 0.2
E00420	N09050	A	6.2 ± 0.3	1.3 ± 0.2
E00420	N09070	A	1.2 ± 0.1	1.6 ± 0.2
E00420	N09090	A	2.1 ± 0.2	1.2 ± 0.2
E00420	N09110	A	4.6 ± 0.2	0.5 ± 0.2
E00420	N09130	A	1.5 ± 0.1	0.9 ± 0.2
E00420	N09150	A	1.6 ± 0.1	1.0 ± 0.2
E00420	N09170	A	1.5 ± 0.1	1.5 ± 0.2
E00420	N09190	A	1.1 ± 0.1	1.2 ± 0.2
E00420	N09210	A	1.0 ± 0.1	0.9 ± 0.2
E00420	N09230	A	2.4 ± 0.2	A
E00420	N09250	A	1.1 ± 0.1	1.3 ± 0.2
E00420	N09260	A	1.6 ± 0.1	0.5 ± 0.2
E00420	N09280	A	1.1 ± 0.1	1.3 ± 0.2
E00420	N09300	A	1.1 ± 0.1	1.0 ± 0.2
E00420	N09320	A	3.4 ± 0.1	0.7 ± 0.2
E00420	N09340	A	2.0 ± 0.2	1.3 ± 0.2
E00420	N09360	A	1.7 ± 0.1	0.9 ± 0.2
E00420	N09380	A	3.0 ± 0.2	1.0 ± 0.2
E00420	N09400	A	3.0 ± 0.2	0.8 ± 0.2
E00420	N09420	A	1.2 ± 0.2	1.2 ± 0.2
E00420	N09440	A	1.8 ± 0.1	1.3 ± 0.2

Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00420	N09460	A	0.9 ± 0.1	1.1 ± 0.2
E00420	N09480	A	1.5 ± 0.1	1.0 ± 0.2
E00420	N09500	A	1.4 ± 0.1	0.8 ± 0.2
E00420	N09560	A	1.5 ± 0.1	1.3 ± 0.2
E00420	N09620	A	5.1 ± 0.3	1.4 ± 0.3
E00420	N09640	A	5.2 ± 0.2	1.4 ± 0.2
E00420	N09650	A	2.1 ± 0.2	1.2 ± 0.3
E00420	N09670	A	8.5 ± 0.3	0.8 ± 0.2
E00420	N09690	A	6.3 ± 0.5	0.6 ± 0.2
E00420	N09710	A	1.5 ± 0.1	0.9 ± 0.2
E00421	N02548	0.6 ± 0.3	0.8 ± 0.1	1.2 ± 0.2
E00421	N02748	A	0.8 ± 0.1	1.0 ± 0.2
E00422	N02729	A	1.1 ± 0.2	1.2 ± 0.2
E00422	N03120	A	1.1 ± 0.1	1.0 ± 0.2
E00422	N03140	A	1.2 ± 0.2	1.2 ± 0.3
E00422	N03160	A	0.8 ± 0.1	1.2 ± 0.2
E00422	N03180	A	1.1 ± 0.2	1.0 ± 0.2
E00422	N03200	1.7 ± 0.6	0.9 ± 0.1	0.9 ± 0.2
E00422	N03220	A	0.7 ± 0.1	0.8 ± 0.2
E00422	N03240	A	0.7 ± 0.1	A
E00422	N03560	A	0.7 ± 0.1	0.7 ± 0.2
E00422	N03580	A	0.9 ± 0.1	0.6 ± 0.2
E00422	N03600	A	2.7 ± 0.3	0.8 ± 0.2
E00422	N03620	A	0.6 ± 0.2	1.0 ± 0.2
E00422	N03640	2.7 ± 1.2	0.6 ± 0.1	0.7 ± 0.2
E00422	N03660	0.6 ± 0.3	0.7 ± 0.1	0.5 ± 0.2
E00422	N03680	2.3 ± 2.3	0.7 ± 0.2	0.9 ± 0.3
E00422	N03700	A	0.8 ± 0.1	1.8 ± 0.3
E00422	N03720	A	0.6 ± 0.1	0.6 ± 0.2
E00422	N03740	A	1.1 ± 0.1	0.7 ± 0.2
E00422	N03760	A	0.8 ± 0.1	1.1 ± 0.2
E00422	N03780	A	1.0 ± 0.2	0.7 ± 0.2
E00422	N03800	A	1.5 ± 0.2	0.7 ± 0.2
E00422	N03820	A	1.1 ± 0.2	1.1 ± 0.2
E00422	N03840	A	0.9 ± 0.1	0.6 ± 0.2
E00422	N03860	A	0.6 ± 0.1	0.8 ± 0.2
E00422	N03880	A	0.6 ± 0.1	0.5 ± 0.2
E00422	N03900	A	1.0 ± 0.2	0.6 ± 0.3
E00422	N03920	A	0.7 ± 0.1	0.4 ± 0.2
E00422	N03940	A	1.1 ± 0.2	0.4 ± 0.2
E00422	N03960	1.5 ± 0.1	0.7 ± 0.1	1.1 ± 0.2
E00422	N09520	A	1.4 ± 0.1	1.1 ± 0.2
E00422	N09540	3.6 ± 1.8	1.6 ± 0.1	0.9 ± 0.2
E00422	N09580	A	2.4 ± 0.2	1.3 ± 0.2
E00422	N09600	A	2.1 ± 0.2	1.2 ± 0.2
E00423	N02530	A	9.9 ± 0.1	1.2 ± 0.2
E00424	N02607	A	0.9 ± 0.1	0.9 ± 0.2
E00424	N02625	A	0.9 ± 0.1	1.0 ± 0.3
E00424	N02709	A	1.0 ± 0.1	0.9 ± 0.2
E00424	N03315	A	1.1 ± 0.2	0.7 ± 0.3
E00424	N03335	3.2 ± 2.2	1.2 ± 0.1	0.7 ± 0.2
E00424	N03355	A	1.0 ± 0.1	0.7 ± 0.3
E00425	N02686	A	0.9 ± 0.1	0.9 ± 0.2
E00425	N03260	A	0.9 ± 0.1	0.9 ± 0.2
E00425	N03280	A	0.7 ± 0.1	0.6 ± 0.2
E00425	N03360	A	0.8 ± 0.2	0.6 ± 0.3
E00425	N03380	A	0.9 ± 0.1	1.1 ± 0.2
E00425	N03400	A	0.9 ± 0.1	1.1 ± 0.3
E00425	N03420	A	1.0 ± 0.1	0.8 ± 0.2
E00425	N03440	0.7 ± 0.1	0.9 ± 0.1	0.9 ± 0.2
E00425	N03460	A	0.9 ± 0.2	0.5 ± 0.3
E00425	N03480	1.4 ± 0.1	0.8 ± 0.1	1.1 ± 0.2
E00425	N03500	A	0.9 ± 0.1	1.1 ± 0.2
E00425	N03520	A	0.6 ± 0.1	0.4 ± 0.3
E00425	N03540	0.5 ± 0.1	0.7 ± 0.1	0.8 ± 0.2
E00425	N04020	A	1.0 ± 0.1	1.2 ± 0.2
E00425	N04040	A	4.7 ± 0.3	1.2 ± 0.2
E00425	N04080	A	0.9 ± 0.1	0.7 ± 0.2
E00425	N04100	A	0.8 ± 0.1	1.0 ± 0.2
E00425	N04120	1.1 ± 0.4	0.9 ± 0.1	0.8 ± 0.2
E00425	N04140	A	0.9 ± 0.1	1.2 ± 0.2
E00425	N04160	A	0.9 ± 0.1	0.7 ± 0.2
E00425	N04180	A	0.5 ± 0.1	0.9 ± 0.2
E00425	N04200	A	0.7 ± 0.1	0.8 ± 0.2
E00425	N04220	A	0.9 ± 0.1	1.4 ± 0.2
E00425	N04240	A	0.7 ± 0.1	0.6 ± 0.2
E00425	N04260	A	0.9 ± 0.1	0.8 ± 0.2
E00425	N04280	A	0.8 ± 0.1	0.9 ± 0.2
E00425	N04300	A	1.0 ± 0.1	1.2 ± 0.2
E00425	N04320	A	0.8 ± 0.1	1.0 ± 0.2
E00425	N04340	A	0.7 ± 0.2	0.6 ± 0.2
E00425	N04360	2.2 ± 1.2	0.8 ± 0.1	0.9 ± 0.2
E00425	N04380	A	0.6 ± 0.1	1.1 ± 0.2
E00425	N04400	A	0.7 ± 0.1	0.5 ± 0.2
E00425	N04420	2.3 ± 1.8	1.0 ± 0.2	0.7 ± 0.2
E00425	N04440	A	1.1 ± 0.1	1.0 ± 0.2
E00425	N04460	A	0.9 ± 0.1	1.2 ± 0.2
E00425	N04480	A	0.8 ± 0.1	1.0 ± 0.2
E00425	N04500	A	0.9 ± 0.1	0.7 ± 0.2

Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00425	N04520	A	0.8 ± 0.2	1.2 ± 0.2
E00425	N04540	A	0.9 ± 0.1	0.8 ± 0.2
E00425	N04560	A	0.9 ± 0.1	0.8 ± 0.2
E00425	N04580	A	0.7 ± 0.1	0.7 ± 0.2
E00425	N04600	A	1.4 ± 0.2	0.8 ± 0.3
E00425	N04620	A	1.2 ± 0.2	0.9 ± 0.4
E00425	N04640	A	0.7 ± 0.1	0.5 ± 0.2
E00425	N04660	A	1.0 ± 0.1	0.9 ± 0.2
E00425	N04680	0.6 ± 0.3	0.6 ± 0.1	0.7 ± 0.2
E00425	N04700	A	1.0 ± 0.1	1.1 ± 0.2
E00425	N04720	3.6 ± 0.8	2.6 ± 0.1	2.6 ± 0.2
E00425	N04740	A	0.5 ± 0.1	0.7 ± 0.3
E00425	N04760	A	0.7 ± 0.1	0.7 ± 0.2
E00425	N04780	A	0.8 ± 0.1	0.8 ± 0.2
E00425	N04800	0.3 ± 0.1	1.2 ± 0.1	0.8 ± 0.2
E00425	N04832	A	1.0 ± 0.1	1.0 ± 0.2
E00425	N04840	A	0.8 ± 0.1	0.5 ± 0.3
E00425	N04860	0.5 ± 0.2	1.2 ± 0.1	0.8 ± 0.2
E00425	N04880	A	1.0 ± 0.1	0.7 ± 0.2
E00428	N02585	A	0.7 ± 0.2	A
E00428	N02668	A	1.1 ± 0.1	1.0 ± 0.3
E00429	N02568	0.7 ± 1.1	1.1 ± 0.1	0.9 ± 0.2
E00430	N02645	A	0.7 ± 0.1	0.6 ± 0.2
E00431	N02548	A	0.8 ± 0.1	1.0 ± 0.2
E00433	N02530	A	0.8 ± 0.1	1.0 ± 0.2
E00434	N02607	A	0.8 ± 0.1	1.1 ± 0.2
E00434	N02625	A	0.9 ± 0.1	1.0 ± 0.2
E00435	N04832	A	1.1 ± 0.2	0.9 ± 0.2
E00438	N02585	3.0 ± 1.9	0.8 ± 0.1	0.9 ± 0.2
E00439	N02568	A	0.6 ± 0.1	0.8 ± 0.2
E00440	N02300	4.7 ± 2.7	1.9 ± 0.2	1.1 ± 0.2
E00440	N02380	A	1.8 ± 0.1	0.9 ± 0.2
E00440	N02400	A	0.8 ± 0.1	1.0 ± 0.2
E00440	N02410	1.5 ± 0.9	1.0 ± 0.1	1.0 ± 0.2
E00440	N02430	A	1.1 ± 0.1	0.9 ± 0.2
E00440	N02450	A	0.8 ± 0.1	0.9 ± 0.2
E00440	N02470	A	0.6 ± 0.1	A
E00440	N02480	A	0.9 ± 0.1	1.3 ± 0.2
E00440	N02942	A	2.6 ± 0.2	0.5 ± 0.2
E00440	N02945	0.7	1.1 ± 0.1	A
E00441	N02360	A	1.2 ± 0.2	1.7 ± 0.3
E00441	N02548	0.5 ± 0.5	0.7 ± 0.1	1.0 ± 0.2
E00443	N02200	A	1.9 ± 0.2	1.0 ± 0.2
E00443	N02340	A	1.2 ± 0.2	0.9 ± 0.3
E00445	N02320	A	5.1 ± 0.3	1.2 ± 0.2
E00445	N02530	0.9	0.9 ± 0.1	1.0 ± 0.2
E00445	N04832	2.2	0.9 ± 0.1	0.9 ± 0.2
E00448	N02220	A	2.9 ± 0.2	0.9 ± 0.2
E00448	N02240	A	0.9 ± 0.1	1.0 ± 0.7
E00450	N02260	A	0.9 ± 0.1	0.9 ± 0.2
E00450	N02280	A	2.1 ± 0.2	0.7 ± 0.3
E00450	N02300	A	0.5 ± 0.1	0.8 ± 0.2
E00450	N02400	A	1.0 ± 0.1	0.8 ± 0.2
E00450	N02410	A	1.0 ± 0.1	1.1 ± 0.2
E00450	N02430	A	0.8 ± 0.1	0.6 ± 0.2
E00450	N02450	A	0.8 ± 0.1	0.7 ± 0.2
E00450	N02470	1.7 ± 1.8	0.5 ± 0.1	A
E00450	N02480	A	1.0 ± 0.1	1.8 ± 0.3
E00451	N02360	1.2 ± 0.8	0.8 ± 0.1	0.5 ± 0.2
E00453	N02200	A	1.1 ± 0.2	1.0 ± 0.2
E00453	N02240	A	1.0 ± 0.1	0.7 ± 0.2
E00455	N02320	A	0.7 ± 0.2	0.5 ± 0.2
E00455	N04832	A	0.8 ± 0.1	0.6 ± 0.2
E00458	N02220	A	0.8 ± 0.1	0.8 ± 0.2
E00458	N02240	1.3	1.0 ± 0.1	0.9 ± 0.2
E00459	N02180	A	1.1 ± 0.1	1.2 ± 0.3
E00460	N02260	A	1.1 ± 0.2	1.2 ± 0.2
E00460	N02280	4.8 ± 0.6	1.0 ± 0.1	0.9 ± 0.2
E00460	N02380	A	1.6 ± 0.2	0.9 ± 0.2
E00460	N02400	A	1.1 ± 0.1	1.0 ± 0.2
E00460	N02410	A	1.0 ± 0.1	1.2 ± 0.2
E00460	N02430	A	0.8 ± 0.1	0.9 ± 0.2
E00460	N02450	A	1.1 ± 0.1	1.0 ± 0.3
E00460	N02470	A	0.7 ± 0.1	0.6 ± 0.2
E00460	N02480	A	0.9 ± 0.1	0.7 ± 0.2
E00460	N02940	A	0.5 ± 0.1	0.8 ± 0.2
E00460	N02943	0.7 ± 0.3	0.6 ± 0.1	0.5 ± 0.2
E00461	N02140	A	0.9 ± 0.2	0.6 ± 0.2
E00461	N02160	A	1.0 ± 0.1	1.0 ± 0.2
E00461	N02360	A	1.0 ± 0.1	0.9 ± 0.2
E00463	N02120	0.8 ± 0.4	1.2 ± 0.1	0.8 ± 0.2
E00463	N02200	A	1.1 ± 0.1	1.3 ± 0.2
E00463	N02340	A	0.9 ± 0.1	1.1 ± 0.2
E00465	N02320	A	0.7 ± 0.1	1.0 ± 0.3
E00465	N04832	A	0.7 ± 0.1	0.4 ± 0.2
E00466	N02100	A	0.9 ± 0.1	0.7 ± 0.2
E00468	N02220	A	1.0 ± 0.1	0.7 ± 0.2
E00468	N02240	A	1.0 ± 0.1	0.5 ± 0.2
E00469	N02180	1.7 ± 0.5	1.1 ± 0.1	1.0 ± 0.2

Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00470	N02060	A	2.4 ± 0.2	1.4 ± 0.3
E00470	N02080	A	0.8 ± 0.1	0.5 ± 0.2
E00470	N02260	A	2.0 ± 0.2	0.5 ± 0.2
E00470	N02280	A	0.9 ± 0.2	0.6 ± 0.2
E00470	N02300	A	3.0 ± 0.2	0.7 ± 0.3
E00471	N02140	A	1.1 ± 0.2	0.9 ± 0.2
E00471	N02160	A	1.0 ± 0.2	1.0 ± 0.2
E00472	N02040	A	1.3 ± 0.2	1.0 ± 0.2
E00473	N02020	2.2 ± 1.7	1.6 ± 0.1	1.0 ± 0.2
E00473	N02120	A	1.4 ± 0.2	0.7 ± 0.2
E00476	N02000	A	1.4 ± 0.2	0.3 ± 0.5
E00476	N02100	6.6 ± 2.5	1.2 ± 0.2	0.8 ± 0.2
E00478	N01820	A	1.1 ± 0.1	0.9 ± 0.2
E00478	N01840	A	1.4 ± 0.1	0.8 ± 0.2
E00479	N02180	A	1.0 ± 0.1	1.1 ± 0.2
E00480	N00560	0.6 ± 0.4	0.7 ± 0.1	1.1 ± 0.2
E00480	N00580	1.3	0.7 ± 0.1	0.7 ± 0.2
E00480	N00600	A	1.2 ± 0.1	0.7 ± 0.2
E00480	N00620	0.3 ± 0.2	1.4 ± 0.1	1.0 ± 0.2
E00480	N00640	1.8 ± 1.1	0.8 ± 0.1	0.8 ± 0.2
E00480	N00660	A	1.3 ± 0.3	1.2 ± 0.3
E00480	N00680	A	0.8 ± 0.1	1.3 ± 0.2
E00480	N00700	2.1 ± 0.7	1.4 ± 0.1	1.1 ± 0.2
E00480	N00720	0.7	1.0 ± 0.1	0.9 ± 0.2
E00480	N00740	A	0.9 ± 0.1	0.7 ± 0.2
E00480	N00760	0.4	0.9 ± 0.1	0.9 ± 0.2
E00480	N00780	0.3 ± 0.5	0.9 ± 0.1	2.1 ± 0.2
E00480	N00800	0.3 ± 0.2	1.2 ± 0.1	1.2 ± 0.2
E00480	N00820	A	4.0 ± 0.2	0.6 ± 0.5
E00480	N00840	2.3 ± 0.6	1.8 ± 0.2	1.2 ± 0.2
E00480	N00860	2.8 ± 0.7	0.9 ± 0.1	0.7 ± 0.2
E00480	N00880	0.7 ± 0.2	1.1 ± 0.1	1.1 ± 0.2
E00480	N00900	0.3 ± 0.2	1.0 ± 0.1	1.0 ± 0.2
E00480	N00920	A	0.9 ± 0.2	1.3 ± 0.2
E00480	N00940	A	1.1 ± 0.1	1.3 ± 0.2
E00480	N00960	0.4 ± 0.2	0.9 ± 0.1	0.9 ± 0.2
E00480	N00980	0.6 ± 0.2	0.8 ± 0.1	0.8 ± 0.2
E00480	N01000	0.2 ± 0.2	1.0 ± 0.1	0.8 ± 0.2
E00480	N01020	0.1 ± 0.2	2.4 ± 0.1	0.8 ± 0.2
E00480	N01040	0.9 ± 0.7	1.2 ± 0.1	1.5 ± 0.2
E00480	N01060	A	0.7 ± 0.1	0.4 ± 0.3
E00480	N01080	A	0.7 ± 0.1	0.7 ± 0.2
E00480	N01100	A	1.1 ± 0.1	0.8 ± 0.2
E00480	N01120	0.7 ± 0.2	1.4 ± 0.1	1.0 ± 0.2
E00480	N01140	A	0.9 ± 0.1	1.0 ± 0.2
E00480	N01160	1.2 ± 0.4	0.7 ± 0.1	0.4 ± 0.2
E00480	N01180	A	0.9 ± 0.1	1.2 ± 0.3
E00480	N01200	A	1.1 ± 0.1	0.7 ± 0.2
E00480	N01220	0.4	0.7 ± 0.1	0.7 ± 0.2
E00480	N01240	0.3 ± 0.5	1.2 ± 0.1	0.6 ± 0.3
E00480	N01280	1.3 ± 0.2	1.1 ± 0.1	1.2 ± 0.2
E00480	N01300	A	0.6 ± 0.2	0.7 ± 0.3
E00480	N01320	0.3 ± 0.3	0.8 ± 0.1	1.0 ± 0.2
E00480	N01340	A	1.2 ± 0.1	0.9 ± 0.2
E00480	N01360	0.3 ± 0.4	0.5 ± 0.1	0.5 ± 0.2
E00480	N01380	A	7.0 ± 0.3	1.0 ± 0.3
E00480	N01400	A	0.8 ± 0.1	0.7 ± 0.2
E00480	N01420	1.7 ± 0.2	1.0 ± 0.1	0.8 ± 0.2
E00480	N01440	0.9	0.8 ± 0.1	0.8 ± 0.2
E00480	N01460	A	0.9 ± 0.1	0.6 ± 0.2
E00480	N01480	A	0.7 ± 0.1	1.3 ± 0.2
E00480	N01500	2.9 ± 1.3	2.2 ± 0.1	0.9 ± 0.2
E00480	N01520	5.1 ± 0.8	1.2 ± 0.1	1.3 ± 0.2
E00480	N01540	A	1.2 ± 0.1	0.8 ± 0.2
E00480	N01560	A	0.8 ± 0.1	0.8 ± 0.2
E00480	N01580	0.2 ± 0.2	1.1 ± 0.1	1.1 ± 0.2
E00480	N01600	0.6 ± 0.2	0.8 ± 0.1	0.7 ± 0.2
E00480	N01620	0.8 ± 0.5	0.9 ± 0.2	1.5 ± 0.4
E00480	N01640	0.1 ± 0.2	1.1 ± 0.1	1.4 ± 0.2
E00480	N01700	3.3 ± 0.6	0.8 ± 0.1	1.1 ± 0.2
E00480	N01720	A	0.7 ± 0.1	0.9 ± 0.2
E00480	N01740	0.2 ± 0.5	0.6 ± 0.1	A
E00480	N01760	1.8 ± 0.2	0.9 ± 0.1	1.1 ± 0.2
E00480	N01780	A	1.3 ± 0.1	1.0 ± 0.2
E00480	N01800	0.1 ± 0.2	0.8 ± 0.1	0.7 ± 0.2
E00480	N01860	A	2.3 ± 0.1	0.6 ± 0.3
E00480	N01880	A	1.2 ± 0.1	1.1 ± 0.2
E00480	N01910	A	2.3 ± 0.3	1.2 ± 0.3
E00480	N02060	6	2.3 ± 0.2	0.9 ± 0.2
E00480	N02080	6.6 ± 3.6	2.0 ± 0.3	A
E00480	N02942	A	0.8 ± 0.1	0.5 ± 0.2
E00480	N02945	A	0.7 ± 0.1	0.7 ± 0.2
E00481	N01895	A	1.1 ± 0.1	0.9 ± 0.2
E00481	N02140	0.1	1.0 ± 0.1	1.0 ± 0.2
E00481	N02160	A	1.1 ± 0.2	0.2 ± 0.4
E00482	N02040	A	0.9 ± 0.1	1.1 ± 0.2
E00483	N02020	A	1.0 ± 0.1	1.2 ± 0.2
E00483	N02120	A	1.0 ± 0.1	0.8 ± 0.2
E00485	N04832	A	0.7 ± 0.1	0.7 ± 0.2

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Grid Coordinates		Concentrations (pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E00486	N02000	A	1.1 ± 0.1	1.5 ± 0.2
E00486	N02100	A	0.9 ± 0.1	0.4 ± 0.2
E00488	N01820	A	1.5 ± 0.1	1.0 ± 0.2
E00488	N01840	A	1.3 ± 0.1	1.0 ± 0.2
E00490	N00560	0.7 ± 0.2	0.9 ± 0.1	1.0 ± 0.2
E00490	N00580	1.7 ± 0.4	0.7 ± 0.1	0.7 ± 0.2
E00490	N00600	0.7 ± 0.6	0.8 ± 0.1	1.0 ± 0.2
E00490	N00620	A	1.9 ± 0.1	0.8 ± 0.2
E00490	N00640	3.0 ± 2.2	0.9 ± 0.1	1.0 ± 0.2
E00490	N00660	A	2.4 ± 0.2	1.1 ± 0.2
E00490	N00680	1.4 ± 0.4	2.0 ± 0.2	0.6 ± 0.2
E00490	N00700	2.4 ± 0.2	1.2 ± 0.1	1.0 ± 0.2
E00490	N00720	0.1 ± 0.2	1.9 ± 0.1	0.9 ± 0.2
E00490	N00740	0.6 ± 0.5	1.3 ± 0.1	0.8 ± 0.2
E00490	N00760	1.7 ± 0.2	1.3 ± 0.1	0.8 ± 0.2
E00490	N00780	1.4 ± 0.7	4.0 ± 0.2	0.4 ± 0.4
E00490	N00800	1.9 ± 0.2	1.0 ± 0.1	1.0 ± 0.2
E00490	N00820	1.5 ± 0.3	6.0 ± 0.1	0.9 ± 0.2
E00490	N00840	0.2 ± 0.4	0.4 ± 0.1	0.9 ± 0.2
E00490	N00860	1.7 ± 0.3	0.9 ± 0.1	1.4 ± 0.3
E00490	N00880	1.1 ± 0.4	1.1 ± 0.1	0.1 ± 0.2
E00490	N00900	A	4.9 ± 0.2	0.6 ± 0.3
E00490	N00920	0.1 ± 0.4	5.9 ± 0.1	0.8 ± 0.2
E00490	N00940	0.6 ± 0.2	0.8 ± 0.1	0.8 ± 0.2
E00490	N00960	0.9.	0.8 ± 0.1	0.8 ± 0.2
E00490	N00980	A	1.1 ± 0.1	0.9 ± 0.3
E00490	N01000	1.9 ± 0.4	0.8 ± 0.1	1.0 ± 0.2
E00490	N01020	0.8 ± 0.2	1.1 ± 0.1	0.6 ± 0.2
E00490	N01040	A	1.3 ± 0.1	0.6 ± 0.2
E00490	N01060	1.9 ± 0.4	0.7 ± 0.1	0.8 ± 0.2
E00490	N01080	0.9 ± 0.8	9.6 ± 0.3	0.7 ± 0.2
E00490	N01100	0.6 ± 0.9	24.3 ± 0.5	A
E00490	N01120	0.8 ± 0.3	9.4 ± 0.1	0.8 ± 0.2
E00490	N01140	A	1.6 ± 0.2	1.6 ± 0.3
E00490	N01160	A	1.4 ± 0.1	0.9 ± 0.2
E00490	N01180	4.1 ± 0.2	3.2 ± 0.1	0.8 ± 0.2
E00490	N01220	2.5 ± 0.2	1.9 ± 0.1	0.8 ± 0.2
E00490	N01240	1.6 ± 0.2	0.6 ± 0.1	0.5 ± 0.2
E00490	N01260	A	17.1 ± 0.6	0.9 ± 0.5
E00490	N01280	0.7 ± 0.3	0.7 ± 0.1	0.9 ± 0.2
E00490	N01300	0.4 ± 0.5	1.1 ± 0.1	1.6 ± 0.2
E00490	N01320	A	0.9 ± 0.2	1.5 ± 0.2
E00490	N01340	0.3 ± 0.2	0.9 ± 0.1	1.0 ± 0.2
E00490	N01360	0.5 ± 0.2	0.8 ± 0.1	0.9 ± 0.2
E00490	N01380	A	0.8 ± 0.1	0.7 ± 0.2
E00490	N01400	0.6 ± 0.3	0.7 ± 0.1	0.8 ± 0.2
E00490	N01420	2.8 ± 0.5	0.9 ± 0.1	0.9 ± 0.2
E00490	N01440	A	1.0 ± 0.1	0.8 ± 0.2
E00490	N01460	1.5 ± 0.2	0.9 ± 0.1	0.9 ± 0.2
E00490	N01480	1.3	0.7 ± 0.1	0.7 ± 0.2
E00490	N01500	A	0.5 ± 0.1	0.7 ± 0.2
E00490	N01520	0.1	0.8 ± 0.1	0.7 ± 0.2
E00490	N01540	0.7 ± 0.2	1.0 ± 0.1	1.1 ± 0.2
E00490	N01560	A	1.0 ± 0.1	1.2 ± 0.2
E00490	N01580	A	1.2 ± 0.1	0.7 ± 0.2
E00490	N01600	0.8	0.8 ± 0.1	0.7 ± 0.2
E00490	N01620	1.9 ± 0.4	0.6 ± 0.2	1.3 ± 0.2
E00490	N01640	A	0.7 ± 0.1	1.5 ± 0.2
E00490	N01660	A	0.8 ± 0.2	0.9 ± 0.2
E00490	N01680	A	1.0 ± 0.1	0.9 ± 0.2
E00490	N01700	0.4 ± 0.2	0.6 ± 0.1	0.7 ± 0.2
E00490	N01720	0.2 ± 0.6	0.8 ± 0.1	0.9 ± 0.2
E00490	N01740	1.8 ± 0.5	1.0 ± 0.1	1.3 ± 0.2
E00490	N01760	A	1.1 ± 0.1	0.5 ± 0.2
E00490	N01780	4.3 ± 0.8	2.2 ± 0.1	1.2 ± 0.2
E00490	N01800	0.4 ± 0.6	0.7 ± 0.1	0.3 ± 0.2
E00490	N01880	A	1.7 ± 0.2	0.9 ± 0.2
E00490	N01900	A	1.0 ± 0.1	1.1 ± 0.2
E00490	N01920	2.5 ± 2.2	0.9 ± 0.2	A
E00490	N02060	A	1.3 ± 0.2	1.1 ± 0.3
E00490	N02080	A	0.9 ± 0.1	0.8 ± 0.2
E00492	N02040	A	0.8 ± 0.1	1.3 ± 0.2
E00493	N02020	A	3.2 ± 0.2	0.9 ± 0.2
E00495	N01895	A	1.2 ± 0.1	1.6 ± 0.3
E00496	N01860	A	2.2 ± 0.2	1.3 ± 0.3
E00496	N01880	A	2.4 ± 0.1	0.8 ± 0.2
E00496	N02000	5.3 ± 3.1	1.0 ± 0.2	1.3 ± 0.3
E00497	N01840	A	0.6 ± 0.1	0.8 ± 0.2
E00500	N00560	1.7 ± 0.5	2.4 ± 0.2	1.1 ± 0.3
E00500	N00580	0.6 ± 0.2	1.7 ± 0.1	1.0 ± 0.2
E00500	N00600	3.3 ± 0.4	1.5 ± 0.1	1.0 ± 0.2
E00500	N00640	A	A	0.8 ± 0.2
E00500	N00660	0.1 ± 0.3	6.5 ± 0.1	0.9 ± 0.2
E00500	N00680	0.2	3.5 ± 0.1	1.1 ± 0.2
E00500	N00700	0.1	4.4 ± 0.1	1.2 ± 0.1
E00500	N00720	A	5.5 ± 0.1	0.6 ± 0.5
E00500	N00740	0.1 ± 0.3	1.0 ± 0.1	1.0 ± 0.1
E00500	N00760	0.7	1.1 ± 0.1	0.8 ± 0.1
E00500	N00780	0.2 ± 0.6	1.8 ± 0.1	0.8 ± 0.2
E00500	N00800	A	1.4 ± 0.1	A
E00500	N00820	0.2 ± 0.6	2.5 ± 0.2	1.1 ± 0.2
E00500	N00840	A	6.6 ± 0.3	0.6 ± 0.3
E00500	N00860	1.1 ± 0.2	1.9 ± 0.1	1.0 ± 0.9
E00500	N00880	0.1 ± 0.3	1.8 ± 0.1	1.1 ± 0.1
E00500	N00900	2.3 ± 0.7	2.6 ± 0.1	1.0 ± 0.1
E00500	N00920	A	3.9 ± 0.2	1.0 ± 0.2
E00500	N00940	A	8.7 ± 0.3	0.7 ± 0.2
E00500	N00960	1.6 ± 0.6	1.7 ± 0.1	0.7 ± 0.1
E00500	N00980	A	1.8 ± 0.2	0.7 ± 0.2
E00500	N01000	0.3 ± 0.2	2.0 ± 0.1	1.0 ± 0.1
E00500	N01020	A	4.4 ± 0.2	1.3 ± 0.2
E00500	N01040	A	4.9 ± 0.2	0.5 ± 0.3
E00500	N01060	2.2 ± 0.3	7.0 ± 0.1	1.1 ± 0.1
E00500	N01080	0.1 ± 0.2	2.6 ± 0.1	1.0 ± 0.1
E00500	N01100	A	3.3 ± 0.2	1.4 ± 0.3
E00500	N01120	0.1 ± 0.2	1.5 ± 0.1	0.9 ± 0.1
E00500	N01140	A	1.7 ± 0.1	1.0 ± 0.1
E00500	N01160	2.8 ± 0.7	2.5 ± 0.1	1.1 ± 0.1
E00500	N01180	A	2.6 ± 0.2	1.0 ± 0.3
E00500	N01200	0.6	6.4 ± 0.1	1.1 ± 0.1
E00500	N01220	1.2	2.7 ± 0.1	0.9 ± 0.1
E00500	N01240	2	2.4 ± 0.1	1.0 ± 0.1
E00500	N01260	0.3 ± 0.4	0.8 ± 0.1	0.7 ± 0.2
E00500	N01280	A	6.0 ± 0.3	0.7 ± 0.3
E00500	N01300	2.9 ± 0.6	3.4 ± 0.2	0.9 ± 0.2
E00500	N01320	A	3.4 ± 0.2	0.8 ± 0.3
E00500	N01340	0.2 ± 0.2	3.6 ± 0.1	1.0 ± 0.1
E00500	N01360	0.4 ± 0.2	1.0 ± 0.1	1.0 ± 0.1
E00500	N01380	A	1.2 ± 0.2	1.6 ± 0.4
E00500	N01400	A	2.8 ± 0.1	1.1 ± 0.1
E00500	N01420	A	11.9 ± 0.4	0.8 ± 0.2
E00500	N01440	A	4.9 ± 0.2	0.5 ± 0.3
E00500	N01460	0.5 ± 0.4	1.8 ± 0.1	A
E00500	N01480	A	4.7 ± 0.2	0.9 ± 0.3
E00500	N01500	0.2 ± 0.3	11.9 ± 0.1	0.9 ± 0.1
E00500	N01520	1.1 ± 0.3	3.5 ± 0.1	0.9 ± 0.1
E00500	N01540	A	2.3 ± 0.2	1.1 ± 0.3
E00500	N01560	0.2 ± 0.3	16.5 ± 0.2	0.8 ± 0.2
E00500	N01580	A	16.8 ± 0.2	1.1 ± 0.2
E00500	N01600	1.2 ± 0.3	19.5 ± 0.2	0.9 ± 0.2
E00500	N01620	0.1 ± 0.3	2.4 ± 0.1	1.0 ± 0.2
E00500	N01640	A	1.1 ± 0.1	1.5 ± 0.2
E00500	N01660	A	0.8 ± 0.1	0.7 ± 0.2
E00500	N01680	0.5 ± 0.2	0.7 ± 0.1	0.8 ± 0.2
E00500	N01700	A	2.2 ± 0.2	1.5 ± 0.3
E00500	N01720	A	1.1 ± 0.2	1.0 ± 0.2
E00500	N01740	A	1.6 ± 0.1	0.3 ± 0.2
E00500	N01780	A	1.3 ± 0.1	0.7 ± 0.2
E00500	N01820	A	14.0 ± 0.1	15.4 ± 0.2
E00500	N01930	A	3.8 ± 0.4	A
E00500	N02940	0.8 ± 0.4	0.8 ± 0.1	0.9 ± 0.2
E00500	N02943	A	0.9 ± 0.1	0.7 ± 0.2
E00520	N02942	3.1 ± 2.2	1.0 ± 0.2	0.8 ± 0.2
E00520	N02945	A	0.8 ± 0.1	0.7 ± 0.2
E00540	N02940	A	0.8 ± 0.1	0.9 ± 0.6
E00540	N02943	A	1.0 ± 0.1	0.6 ± 0.2
W00010	N09980	A	1.5 ± 0.1	1.0 ± 0.3
W00040	N09980	A	1.1 ± 0.1	1.4 ± 0.2
W00055	N09980	A	0.9 ± 0.1	1.0 ± 0.2
W00080	N09980	A	0.9 ± 0.1	1.2 ± 0.3
W00100	N09980	A	1.6 ± 0.1	1.1 ± 0.2
W00120	N09980	A	10.3 ± 0.3	1.1 ± 0.3
W00140	N09980	A	1.1 ± 0.1	0.8 ± 0.2
W00150	N09990	A	1.5 ± 0.2	0.5 ± 0.2
W00160	N09980	A	1.2 ± 0.1	0.8 ± 0.2
W00160	N10000	A	2.0 ± 0.2	1.0 ± 0.2
W00170	N09990	A	1.5 ± 0.2	1.2 ± 0.2
W00170	N10010	A	2.4 ± 0.2	1.0 ± 0.2
W00180	N09980	A	0.8 ± 0.1	0.9 ± 0.2
W00180	N10000	A	2.2 ± 0.2	A
W00190	N09990	A	2.2 ± 0.2	0.8 ± 0.2
W00190	N10010	A	1.3 ± 0.1	0.8 ± 0.2
W00200	N09980	A	1.7 ± 0.1	1.2 ± 0.2
W00200	N10000	A	1.7 ± 0.2	1.4 ± 0.2
W00200	N10020	2.3 ± 1.8	2.0 ± 0.1	0.8 ± 0.2
W00210	N09990	A	1.0 ± 0.1	1.0 ± 0.2
W00210	N10010	A	1.9 ± 0.2	0.5 ± 0.2
W00220	N09980	10.4 ± 2.4	1.0 ± 0.1	1.0 ± 0.2
W00220	N10000	A	4.1 ± 0.2	0.9 ± 0.2
W00220	N10020	A	2.7 ± 0.2	1.1 ± 0.2
W00230	N09990	A	1.4 ± 0.1	0.8 ± 0.2
W00230	N10010	A	1.6 ± 0.1	1.1 ± 0.2
W00230	N10030	A	1.9 ± 0.2	1.0 ± 0.2
W00240	N09980	2.7 ± 2.7	0.9 ± 0.1	0.5 ± 0.2
W00240	N10000	A	1.9 ± 0.2	1.0 ± 0.2
W00240	N10020	A	2.4 ± 0.2	1.2 ± 0.2
W00250	N09990	A	1.6 ± 0.1	1.1 ± 0.2
W00250	N10010	A	1.8 ± 0.1	0.6 ± 0.2
W00250	N10030	A	2.1 ± 0.1	1.3 ± 0.2
W00260	N09980	A	2.0 ± 0.1	1.4 ± 0.3
W00260	N10000	A	1.5 ± 0.1	0.8 ± 0.3
W00260	N10020	3.0 ± 1.6	1.6 ± 0.1	1.3 ± 0.2
W00260	N10040	A	1.9 ± 0.2	1.3 ± 0.2
W00270	N09990	A	1.5 ± 0.2	1.2 ± 0.2
W00270	N10010	A	2.4 ± 0.2	1.1 ± 0.2
W00270	N10030	A	2.2 ± 0.1	0.7 ± 0.2
W00270	N10050	A	2.3 ± 0.2	0.7 ± 0.3
W00280	N10000	A	2.2 ± 0.2	1.2 ± 0.2
W00280	N10020	A	2.2 ± 0.1	1.0 ± 0.2
W00280	N10040	A	2.1 ± 0.2	1.4 ± 0.2
W00290	N10010	A	1.5 ± 0.1	1.4 ± 0.2
W00290	N10030	A	3.5 ± 0.2	1.2 ± 0.3
W00290	N10050	A	2.1 ± 0.2	0.6 ± 0.2
W00300	N10020	A	1.9 ± 0.1	1.1 ± 0.2
W00300	N10040	A	2.4 ± 0.2	1.2 ± 0.2
W00300	N10060	2.1 ± 1.1	3.0 ± 0.2.	0.9 ± 0.2
W00310	N10030	A	1.0 ± 0.1	0.5 ± 0.2
W00310	N10050	A	1.5 ± 0.4	0.8 ± 0.4
W00310	N10070	A	6.0 ± 0.3	0.3 ± 0.2
W00320	N10020	2.1 ± 1.7	2.0 ± 0.1	0.6 ± 0.2
W00320	N10040	A	2.2 ± 0.2	1.4 ± 0.2
W00320	N10060	A	2.9 ± 0.2	1.4 ± 0.2
W00330	N10030	2.5 ± 1.2	2.4 ± 0.2	1.8 ± 0.2
W00330	N10050	A	3.8 ± 0.2	1.3 ± 0.3
W00330	N10070	A	3.0 ± 0.2	0.9 ± 0.2
W00330	N10090	A	3.7 ± 0.2	1.1 ± 0.2
W00340	N10040	A	1.9 ± 0.2	0.5 ± 0.4
W00340	N10060	A	3.4 ± 0.2	0.9 ± 0.2
W00340	N10080	A	2.0 ± 0.2	0.7 ± 0.2
W00350	N10050	A	1.3 ± 0.1	1.3 ± 0.2
W00350	N10070	A	2.0 ± 0.2	0.8 ± 0.2
W00350	N10090	A	2.6 ± 0.2	1.0 ± 0.2
W00360	N10040	A	1.3 ± 0.2	0.7 ± 0.2
W00360	N10060	A	1.6 ± 0.2	0.9 ± 0.2
W00360	N10080	A	2.9 ± 0.2	1.2 ± 0.2
W00370	N10050	A	0.9 ± 0.2	0.9 ± 0.2
W00370	N10070	A	3.4 ± 0.2	0.8 ± 0.3
W00370	N10090	A	2.2 ± 0.2	1.0 ± 0.2
W00380	N10060	A	1.0 ± 0.1	1.2 ± 0.2
W00380	N10080	A	2.5 ± 0.2	1.4 ± 0.2
W00380	N10100	A	2.3 ± 0.2	A
W00390	N10050	A	1.0 ± 0.1	0.5 ± 0.2
W00390	N10070	A	1.2 ± 0.2	1.1 ± 0.2
W00390	N10090	A	5.5 ± 0.3	0.8 ± 0.2
W00390	N10110	A	3.7 ± 0.2	0.6 ± 0.2
W00390	N10120	A	6.0 ± 0.3	1.0 ± 0.2
W00400	N10060	A	0.8 ± 0.1	1.2 ± 0.2
W00400	N10080	A	5.4 ± 0.4	A
W00400	N10100	A	2.7 ± 0.2	0.8 ± 0.3
W00400	N10120	A	1.5 ± 0.1	1.0 ± 0.2
W00400	N10140	A	5.2 ± 0.3	0.8 ± 0.3
W00410	N10090	A	3.8 ± 0.2	0.7 ± 0.2
W00410	N10110	A	1.4 ± 0.2	1.5 ± 0.3
W00410	N10130	A	1.1 ± 0.1	0.8 ± 0.2
W00410	N10150	4.9 ± 2.2	5.1 ± 0.3	1.4 ± 0.2
W00420	N10100	A	6.0 ± 0.3	1.2 ± 0.3
W00420	N10120	A	3.4 ± 0.2	0.7 ± 0.2
W00420	N10140	A	4.5 ± 0.2	0.8 ± 0.3
W00430	N10090	A	1.0 ± 0.1	0.9 ± 0.2
W00430	N10110	A	4.3 ± 0.2	A
W00440	N10100	3.4 ± 2.1	4.1 ± 0.3	1.3 ± 0.2
W00440	N10120	A	5.2 ± 0.3	1.2 ± 0.2
W00450	N10110	A	5.4 ± 0.3	0.7 ± 0.2
W00450	N10130	A	3.7 ± 0.2	1.0 ± 0.2
W00460	N10120	A	5.1 ± 0.3	1.7 ± 0.2
W00460	N10140	A	3.2 ± 0.2	1.0 ± 0.2
W00460	N10160	A	4.2 ± 0.2	1.4 ± 0.3
W00470	N10120	A	5.4 ± 0.3	A
W00470	N10140	A	1.2 ± 0.1	0.7 ± 0.2
W00480	N10140	A	3.0 ± 0.2	0.7 ± 0.2
W00480	N10160	A	4.0 ± 0.2	1.2 ± 0.2
W00490	N10130	A	4.8 ± 0.2	1.0 ± 0.2
W00490	N10150	A	4.7 ± 0.2	1.1 ± 0.2
W00500	N10140	A	3.7 ± 0.2	0.7 ± 0.2
W00500	N10160	A	4.3 ± 0.2	2.4 ± 0.3
W00510	N10150	A	4.7 ± 0.2	1.1 ± 0.3
W00520	N10150	A	6.6 ± 0.3	0.8 ± 0.2
W00520	N10160	A	4.2 ± 0.2	0.8 ± 0.3
W00530	N10150	A	6.0 ± 0.3	1.1 ± 0.2
W00530	N10170	A	3.7 ± 0.2	0.9 ± 0.2
W00540	N10160	A	4.4 ± 0.3	0.9 ± 0.2
W00550	N10170	A	8.5 ± 0.4	1.3 ± 0.3
W00560	N10160	A	4.5 ± 0.2	1.3 ± 0.2
W00570	N10170	A	5.2 ± 0.3	0.7 ± 0.3
W00580	N10180	A	6.5 ± 0.4	1.0 ± 0.3
W00580	N10190	A	5.0 ± 0.2	0.7 ± 0.2
W00590	N10170	A	4.3 ± 0.2	1.0 ± 0.2
W00600	N10180	A	4.3 ± 0.2	0.9 ± 0.2
W00600	N10200	A	7.0 ± 0.3	1.0 ± 0.3
W00610	N10190	A	5.5 ± 0.3	0.8 ± 0.3
W00620	N10180	A	2.7 ± 0.2	1.2 ± 0.2
W00620	N10200	A	4.1 ± 0.2	0.5 ± 0.2
W00630	N10190	A	11.3 ± 0.6	2.2 ± 0.2
W00630	N10210	A	4.6 ± 0.2	0.8 ± 0.2
W00640	N10200	A	4.2 ± 0.2	1.1 ± 0.2
W00650	N10190	A	0.8 ± 0.1	0.9 ± 0.2
W00650	N10210	A	5.3 ± 0.2	1.0 ± 0.2
W00660	N10200	A	2.8 ± 0.2	1.2 ± 0.2
W00660	N10220	A	3.9 ± 0.2	1.5 ± 0.2
W00670	N10210	A	3.1 ± 0.2	0.7 ± 0.2
W00670	N10220	A	3.6 ± 0.3	1.5 ± 0.3
W00670	N10230	A	4.4 ± 0.2	1.1 ± 0.2
W00680	N10240	A	4.8 ± 0.3	1.0 ± 0.2
W00690	N10210	A	3.0 ± 0.2	0.9 ± 0.2
W00690	N10230	A	2.4 ± 0.2	1.0 ± 0.2
W00700	N10220	A	4.0 ± 0.2	1.0 ± 0.3
W00700	N10240	A	3.2 ± 0.2	1.0 ± 0.2
W00710	N10230	A	3.2 ± 0.2	0.9 ± 0.2
W00720	N10240	A	3.5 ± 0.2	A
W00730	N10230	A	3.6 ± 0.2	0.9 ± 0.2
W00730	N10250	A	3.4 ± 0.2	0.9 ± 0.2
W00740	N10240	A	3.3 ± 0.2	1.2 ± 0.2
W00750	N10250	A	2.1 ± 0.1	1.6 ± 0.2
W00760	N10240	A	6.5 ± 0.3	1.1 ± 0.3
W00760	N10260	A	3.6 ± 0.1	0.9 ± 0.2
W00770	N10270	A	3.5 ± 0.2	1.1 ± 0.2
W00780	N10260	A	6.0 ± 0.3	1.2 ± 0.2
W00780	N10280	A	4.4 ± 0.2	1.3 ± 0.2
W00790	N10250	A	3.1 ± 0.5	1.2 ± 0.4
W00790	N10270	A	4.7 ± 0.2	1.4 ± 0.2
W00800	N10260	A	2.4 ± 0.2	0.9 ± 0.2
W00800	N10280	A	5.0 ± 0.3	1.0 ± 0.3
W00810	N10270	A	5.7 ± 0.3	A
W00810	N10290	A	3.6 ± 0.2	1.3 ± 0.2
W00820	N10260	4.9 ± 1.3	1.0 ± 0.1	1.1 ± 0.2
W00820	N10280	A	6.2 ± 0.3	1.2 ± 0.4
W00820	N10300	A	1.7 ± 0.1	1.3 ± 0.2
W00830	N10270	A	3.1 ± 0.2	0.7 ± 0.2
W00830	N10290	A	6.1 ± 0.3	1.1 ± 0.3
W00840	N10280	A	6.5 ± 0.3	0.6 ± 0.2
W00840	N10300	A	2.5 ± 0.2	1.0 ± 0.2
W00850	N10290	A	2.9 ± 0.2	1.2 ± 0.2
W00850	N10310	A	3.7 ± 0.2	1.1 ± 0.2
W00860	N10300	A	3.9 ± 0.2	1.1 ± 0.5
W00870	N10280	A	1.0 ± 0.4	A
W00870	N10290	A	4.6 ± 0.2	1.0 ± 0.2
W00870	N10310	A	7.5 ± 0.4	1.0 ± 0.3
W00880	N10280	A	2.0 ± 0.4	A
W00880	N10300	A	4.7 ± 0.3	1.0 ± 0.3
W00880	N10320	A	3.5 ± 0.2	0.7 ± 0.2
W00890	N10310	A	4.6 ± 0.3	0.7 ± 0.2
W00900	N10300	A	2.0 ± 0.2	0.9 ± 0.2
W00900	N10320	A	4.1 ± 0.3	0.9 ± 0.2
W00910	N10310	A	3.9 ± 0.2	1.0 ± 0.2
W00910	N10330	A	3.9 ± 0.2	0.6 ± 0.2
W00920	N10300	A	1.8 ± 0.1	0.7 ± 0.2
W00920	N10320	A	4.3 ± 0.2	0.8 ± 0.3
W00920	N10340	A	1.1 ± 0.3	0.8 ± 0.4
W00930	N10330	A	2.1 ± 0.5	A
W00940	N10320	A	3.5 ± 0.2	0.8 ± 0.2
W00940	N10340	A	1.0 ± 0.4	A
W00950	N10330	A	3.0 ± 0.6	A
W00950	N10350	A	4.5 ± 0.2	1.0 ± 0.2
W00960	N10340	A	7.2 ± 0.3	A
W00970	N10330	A	0.9 ± 0.1	0.6 ± 0.2
W00970	N10350	A	3.6 ± 0.2	1.6 ± 0.2
W00980	N10340	A	4.2 ± 0.2	1.0 ± 0.2
W00980	N10360	A	3.0 ± 0.2	1.0 ± 0.2
W00990	N10350	A	1.6 ± 0.4	A
W00990	N10370	A	4.7 ± 0.2	0.6 ± 0.2
W01000	N10340	A	1.1 ± 0.1	1.6 ± 0.2
W01010	N10360	A	3.6 ± 0.2	0.5 ± 0.2
W01010	N10370	A	3.2 ± 0.2	0.8 ± 0.2
W01020	N10360	A	2.6 ± 0.2	1.1 ± 0.2
W01020	N10380	A	3.0 ± 0.2	1.3 ± 0.2
W01030	N10370	A	3.8 ± 0.2	0.8 ± 0.2
W01040	N10360	A	3.1 ± 0.2	A
W01040	N10380	A	2.8 ± 0.2	0.9 ± 0.2
W01050	N10370	A	3.5 ± 0.2	1.1 ± 0.2
W01050	N10390	A	3.5 ± 0.2	0.6 ± 0.2
W01060	N10380	A	3.9 ± 0.2	1.0 ± 0.2
W01060	N10400	A	2.8 ± 0.2	0.9 ± 0.2
W01070	N10390	A	3.7 ± 0.2	0.6 ± 0.2
W01080	N10380	A	3.3 ± 0.2	0.7 ± 0.2
W01080	N10400	A	4.8 ± 0.2	1.0 ± 0.2
W01090	N10390	A	3.2 ± 0.2	0.7 ± 0.2
W01090	N10410	A	4.0 ± 0.2	0.5 ± 0.2
W01100	N10380	A	3.9 ± 0.2	0.7 ± 0.3
W01100	N10400	A	2.4 ± 0.2	1.0 ± 0.2
W01100	N10420	A	3.0 ± 0.2	0.9 ± 0.2
W01110	N10390	A	0.7 ± 0.1	0.6 ± 0.2
W01110	N10410	A	5.1 ± 0.3	0.6 ± 0.2
W01120	N10420	A	3.6 ± 0.2	1.0 ± 0.2
W01120	N10490	A	3.6 ± 0.2	0.8 ± 0.2
W01130	N10410	A	3.3 ± 0.2	1.2 ± 0.2
W01130	N10430	A	2.6 ± 0.2	0.8 ± 0.2
W01140	N10420	A	3.4 ± 0.2	1.4 ± 0.2
W01150	N10410	A	3.6 ± 0.2	0.7 ± 0.2
W01150	N10430	A	5.0 ± 0.2	A
W01160	N10420	A	3.2 ± 0.2	0.8 ± 0.2
W01160	N10440	A	4.6 ± 0.2	1.3 ± 0.2
W01170	N10410	A	0.9 ± 0.1	0.9 ± 0.2
W01170	N10430	A	4.5 ± 0.2	0.7 ± 0.2
W01170	N10450	A	2.1 ± 0.2	0.9 ± 0.2
W01180	N10420	A	1.4 ± 0.1	1.1 ± 0.2
W01180	N10440	A	2.8 ± 0.2	1.0 ± 0.2
W01180	N10460	A	0.8 ± 0.1	1.0 ± 0.2
W01190	N10430	A	2.9 ± 0.2	0.7 ± 0.2
W01190	N10450	A	4.9 ± 0.2	0.7 ± 0.2
W01200	N10440	A	3.0 ± 0.2	0.6 ± 0.3
W01200	N10460	A	1.5 ± 0.1	0.7 ± 0.2
W01210	N10450	A	3.9 ± 0.2	A
W01220	N10440	A	3.3 ± 0.2	0.9 ± 0.2
W01220	N10460	A	13.7 ± 0.5	2.4 ± 0.6
W01230	N10450	6.0 ± 2.2	5.3 ± 0.3	0.7 ± 0.2
W01230	N10470	A	4.7 ± 0.2	1.7 ± 0.2
W01240	N10460	A	5.8 ± 0.3	1.0 ± 0.2
W01240	N10480	A	3.9 ± 0.2	1.3 ± 0.2
W01250	N10450	A	1.0 ± 0.1	1.0 ± 0.2
W01250	N10470	A	4.9 ± 0.2	0.7 ± 0.2
W01260	N10460	A	1.2 ± 0.1	0.6 ± 0.2
W01260	N10480	A	3.7 ± 0.2	0.8 ± 0.2
W01270	N10470	A	3.2 ± 0.2	1.1 ± 0.2
W01270	N10490	A	5.4 ± 0.3	0.9 ± 0.2
W01280	N10480	A	4.2 ± 0.2	1.2 ± 0.2
W01280	N10500	A	4.5 ± 0.2	1.3 ± 0.2
W01290	N10470	A	3.2 ± 0.2	1.1 ± 0.2
W01290	N10490	A	6.4 ± 0.3	1.3 ± 0.2
W01300	N10480	A	3.4 ± 0.2	0.6 ± 0.2
W01300	N10500	A	4.3 ± 0.2	1.9 ± 0.2
W01310	N10490	A	4.5 ± 0.2	1.0 ± 0.2
W01310	N10510	A	3.6 ± 0.2	1.2 ± 0.2
W01320	N10480	A	1.1 ± 0.1	0.7 ± 0.2
W01320	N10500	A	4.5 ± 0.2	1.8 ± 0.2
W01330	N10490	1.7 ± 1.1	1.1 ± 0.1	0.8 ± 0.2
W01330	N10510	A	3.9 ± 0.2	1.0 ± 0.2
W01340	N10500	A	3.7 ± 0.2	0.9 ± 0.2
W01340	N10520	A	4.3 ± 0.2	0.8 ± 0.2
W01350	N10490	A	0.8 ± 0.1	1.0 ± 0.2.
W01350	N10510	A	3.7 ± 0.2	1.0 ± 0.2
W01360	N10500	A	4.6 ± 0.2	1.1 ± 0.2
W01360	N10520	A	4.4 ± 0.2	1.4 ± 0.2
W01370	N10510	A	4.6 ± 0.2	1.2 ± 0.2
W01370	N10530	A	5.0 ± 0.2	1.2 ± 0.3
W01380	N10500	A	2.7 ± 0.2	0.7 ± 0.2
W01380	N10520	A	4.1 ± 0.2	0.6 ± 0.2
W01380	N10540	A	2.8 ± 0.4	0.7 ± 0.3
W01390	N10510	A	4.4 ± 0.2	0.9 ± 0.3
W01390	N10530	A	4.8 ± 0.2	0.8 ± 0.2
W01400	N10520	A	3.3 ± 0.2	1.2 ± 0.2
W01400	N10540	A	3.2 ± 0.2	0.7 ± 0.2
W01410	N10510	A	0.7 ± 0.1	0.9 ± 0.2
W01410	N10530	A	4.0 ± 0.2	0.5 ± 0.2
W01410	N10550	A	2.8 ± 0.2	0.9 ± 0.2
W01420	N10520	A	4.0 ± 0.2	0.8 ± 0.2
W01420	N10540	2.7 ± 1.6	3.9 ± 0.2	1.5 ± 0.2
W01430	N10530	A	5.5 ± 0.3	0.8 ± 0.2
W01430	N10550	A	4.2 ± 0.2	1.6 ± 0.2
W01430	N10560	A	3.2 ± 0.2	A
W01440	N10540	A	4.4 ± 0.2	1.3 ± 0.2
W01450	N10530	A	1.4 ± 0.1	0.9 ± 0.2
W01450	N10550	A	3.2 ± 0.2	1.4 ± 0.2

"A" denotes less than detectable activity.

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Thirty-two tables referenced in the NFSS VPs Certification Docket provide the evidence used to certify the site as clean.

The ten tables below come from the "1989PRAR," which is the BNI report "Post-Remedial Action Report for the Niagara Falls Storage Site Vicinity Properties - 1985 and 1986" (January 1989).

The remedial action guideline for radium-226 concentrations in soil more than six inches beneath the ground surface = 15 pCi/g

Post-Remedial Action Sampling Results for Property B

Table 2 in 1989 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E5527	N3293	A	2.0 ± 0.3	1.6 ± 0.5
E5531	N3233	A	1.1 ± 0.3	1.0 ± 0.4
E5537	N3243	A	0.9 ± 0.2	A
E5537	N3283	A	4.1 ± 0.4	2.0 ± 0.4
E5537	N3303	A	1.1 ± 0.3	1.0 ± 0.4
E5538	N3328	A	4.7 ± 0.4	A
E5548	N3339	A	1.6 ± 0.2	3.9 ± 0.2
E5591	N3338	A	2.9 ± 0.4	0.3 ± 0.4
E5624	N3052	A	13.1 ± 0.7	A
E5627	N3042	A	1.0 ± 0.3	1.2 ± 0.4
E5636	N3052	A	0.6 ± 0.2	0.6 ± 0.3
E5663	N3323	A	14.8 ± 1.0	4.3 ± 0.7
E5664	N3236	A	11.8 ± 0.8	2.4 ± 0.5
E5664	N3274	A	13.0 ± 1.1	2.2 ± 0.6
E5669	N3307	A	4.1 ± 0.3	0.4 ± 0.2

"A" denotes less than detectable activity.

Post-Remedial Action Soil Sampling Results for Property D

Table 4 in 1989 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E1455	N3685	A	1.3 ± 0.6	1.3 ± 0.6
E1460	N3700	A	1.6 ± 0.3	A
E1465	N3685	A	3.3 ± 0.4	1.7 ± 0.4
E1465	N3715	A	8.4 ± 0.7	4.7 ± 0.7
E1653	N3247	A	1.4 ± 0.2	0.9 ± 0.4
E1784	N3145	A	1.4 ± 0.3	A
E1784	N3194	A	1.6 ± 0.3	1.2 ± 0.8
E1810	N3181	A	1.4 ± 0.3	0.6 ± 0.2
E1817	N3181	A	0.7 ± 0.2	0.5 ± 0.3

"A" denotes less than detectable activity.

Post-Remedial Action Sampling Results for Property F

Table 6 in 1989 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E2936	N1875	1.8 ± 1.6	0.8 ± 0.1	1.3 ± 0.1

"A" denotes less than detectable activity.

Post-Remedial Action Sampling Results for Property C'

Table 3 in 1989 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E4720	N0160	3.4 ± 2.6	1.8 ± 0.1	0.8 ± 0.2
E4723	N0169	12.6 ± 3.2	6.2 ± 2.5	2.2 ± 3.2
E4729	N0192	10.3 ± 2.5	2.9 ± 0.1	1.3 ± 0.2
E4730	N0170	A	2.1 ± 0.2	1.1 ± 0.2
E4740	N0142	8.9 ± 2.4	2.4 ± 0.2	0.8 ± 0.2
E4740	N0180	A	1.4 ± 0.1	1.1 ± 0.2
E4743	N0107	3.9 ± 1.7	2.9 ± 0.1	0.9 ± 0.2
E4746	N0I00	2.3 ± 1.4	1.7 ± 1.1	0.8 ± 0.2
E4746	N0143	10.9 ± 3.0	5.9 ± 0.3	1.4 ± 0.3
E4746	N0150	A	0.6 ± 0.2	0.6 ± 0.3
E4750	N0150	A	0.9 ± 0.1	0.8 ± 0.2
E4750	N0160	7.4 ± 3.3	5.0 ± 0.2	1.4 ± 0.2
E4750	N0170	4.7 ± 2.1	1.3 ± 0.2	1.0 ± 0.2
E4752	N0064	A	1.2 ± 0.1	1.5 ± 0.2
E4752	N0074	9.7 ± 2.5	3.9 ± 0.2	2.0 ± 0.3
E4760	N0140	9.7 ± 2.9	4.3 ± 0.2	1.3 ± 0.2
E4760	N0160	22.0 ± 3.7	6.0 ± 0.3	1.3 ± 0.3
E4760	N0180	7.9 ± 2.7	2.8 ± 0.2	1.4 ± 0.2
E4770	N0150	18.3 ± 2.9	4.7 ± 0.2	1.6 ± 0.2
E4770	N0170	A	1.1 ± 0.1	1.1 ± 0.2
E4780	N0140	A	1.3 ± 0.1	0.9 ± 0.2
E4780	N0160	13.2 ± 2.7	2.2 ± 0.2	1.3 ± 0.2
E4800	N0110	11.0 ± 6.0	1.1 ± 0.4	1.0 ± 0.5
E4815	N0070	A	0.8 ± 0.2	0.4 ± 0.3
E4818	N0061	5.9 ± 2.0	3.4 ± 0.2	1.2 ± 0.2
E4820	N0165	14.0 ± 7.0	1.4 ± 0.5	1.4 ± 0.6
E4824	N0172	25.0 ± 3.1	3.0 ± 1.8	1.5 ± 0.2
E4825	N0165	A	0.7 ± 0.4	A
E4833	N0066	24.2 ± 3.4	4.8 ± 2.3	1.4 ± 0.2
E4840	N0080	A	1.3 ± 0.8	2.4 ± 1.5
E4840	N0100	A	0.8 ± 0.3	0.8 ± 0.4
E4840	N0105	3.7 ± 1.5	1.1 ± 0.1	1.4 ± 0.2
E4842	N0069	A	1.0 ± 0.1	0.9 ± 0.2
E4848	N0084	5.6 ± 2.0	1.0 ± 0.1	1.0 ± 0.2
E4850	N0070	A	0.6 ± 0.2	0.6 ± 0.3
E4850	N0090	A	0.7 ± 0.3	0.7 ± 0.4
E4850	N0100	A	0.7 ± 0.3	0.6 ± 0.4
E4860	N0080	A	1.9 ± 0.4	0.7 ± 0.5
E4860	N0100	A	0.8 ± 0.2	0.8 ± 0.3
E4860	N0105	A	0.8 ± 0.1	0.9 ± 0.2
E4860	N0118	A	0.7 ± 0.3	1.0 ± 0.5
E4861	N0120	A	0.9 ± 0.1	1.3 ± 0.2
E4870	N0070	A	1.5 ± 0.4	A
E4870	N0090	A	2.6 ± 0.5	1.0 ± 0.5
E4870	N0105	2.7 ± 1.5	1.1 ± 0.1	1.4 ± 0.2
E4870	N0110	A	0.7 ± 0.5	0.8 ± 0.4
E4874	N0076	A	0.7 ± 0.2	0.7 ± 0.3
E4875	N0106	A	0.6 ± 0.3	0.7 ± 0.5
E4880	N0071	A	0.8 ± 0.3	0.7 ± 0.4
E4880	N0080	A	0.6 ± 0.3	0.5 ± 0.3
E4880	N0100	A	0.9 ± 0.3	0.8 ± 0.4
E4880	N0110	A	1.0 ± 0.1	1.2 ± 0.2
E4880	N0120	A	0.9 ± 0.4	0.6 ± 0.5
E4885	N0116	10.0 ± 8.0	9.4 ± 1.1	1.2 ± 0.7
E4890	N0010	A	0.7 ± 0.2	0.7 ± 0.3
E4890	N0070	A	1.2 ± 0.4	0.8 ± 0.5
E4890	N0080	A	1.2 ± 0.3	0.9 ± 0.4
E4890	N0090	A	0.8 ± 0.3	0.7 ± 0.4
E4890	N0110	A	0.7 ± 0.3	0.6 ± 0.3
E4891	N0068	A	1.1 ± 0.3	0.8 ± 0.4
E4894	N0094	3.2 ± 1.7	0.7 ± 0.1	1.0 ± 0.2
E4900	N0074	A	1.0 ± 0.4	1.2 ± 0.5
E4900	N0080	A	0.9 + 0.3	0.9 ± 0.4
E4900	N0100	A	0.9 ± 0.3	0.8 ± 0.4
E4910	N0070	A	1.2 ± 0.3	1.2 ± 0.5
E4910	N0090	A	0.9 ± 0.3	0.9 ± 0.4

"A" denotes less than detectable activity.

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Niagara Falls Storage Site Vicinity Properties, New York, Site Certification Data Summary Worksheet

Post-Remedial Action Sampling Results for Property E'

Table 5 in 1989 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E1340	N2105	A	1.9 ± 1.0	1.2 ± 0.9
E1340	N2115	A	1.4 ± 0.8	1.8 ± 1.0
E1410	N1990	A	4.5 ± 0.6	0.8 ± 0.5
E1420	N1960	A	1.3 ± 0.1	1.0 ± 0.2
E1425	N1986	A	5.2 ± 0.2	1.4 ± 0.3
E1430	N1950	A	4.1 ± 0.8	A
E1430	N1970	1.8 ± 1.1	0.8 ± 0.1	1.4 ± 0.2
E1438	N1974	A	1.3 ± 0.4	1.0 ± 0.4
E1440	N1960	A	A	1.2 ± 0.8
E1440	N1980	A	2.4 ± 0.3	1.1 ± 0.9
E1445	N1967	A	1.3 ± 0.4	1.4 ± 0.5
E1450	N1970	A	0.4 ± 0.1	0.8 ± 0.1
E1450	N1990	A	0.7 ± 0.2	1.5 ± 0.5
E1890	N2050	A	4.4 ± 0.7	0.6 ± 0.5
E1890	N2060	A	0.6 ± 0.3	1.2 ± 0.1
E1910	N2180	A	16.6 ± 1.7	A
E1913	N2028	A	1.1 ± 0.4	0.9 ± 0.6
E1917	N2076	A	1.1 ± 0.3	0.8 ± 0.4
E1920	N2150	A	2.8 ± 0.6	A
E1920	N2170	A	1.9 ± 0.2	0.9 ± 0.1
E1920	N2190	A	A	0.8 ± 0.1
E1930	N2140	A	2.4 ± 0.6	1.3 ± 0.7
E1930	N2160	A	2.2 ± 0.8	0.7 ± 0.2
E1930	N2180	A	4.9 ± 0.8	1.5 ± 1.1
E1940	N2150	A	1.5 ± 0.3	A
E1940	N2170	A	3.1 ± 0.4	A
E1940	N2190	A	0.6 ± 0.5	A
E1944	N1995	A	2.6 ± 0.5	0.6 ± 0.4
E1950	N2140	A	0.7 ± 0.4	1.0 ± 0.8
E1950	N2160	A	1.8 ± 0.4	0.8 ± 0.6
E1950	N2180	A	3.2 ± 0.6	A
E2135	N2090	A	0.8 ± 0.6	1.1 ± 0.9
E2160	N2000	A	4.0 ± 0.5	1.0 ± 0.2
E2160	N2020	1.0 ± 2.2	1.3 ± 0.3	1.1 ± 0.6
E2160	N2040	A	2.3 ± 0.6	0.9 ± 0.2
E2160	N2060	3.8 ± 2.4	1.4 ± 0.1	1.2 ± 0.5
E2160	N2080	3.8 ± 2.7	0.8 ± 0.3	1.0 ± 0.5
E2160	N2100	18.6 ± 8.1	2.3 ± 0.4	0.8 ± 0.3
E2170	N2030	A	1.8 ± 0.2	0.7 ± 0.4
E2170	N2050	6.4 ± 0.3	1.1 ± 0.4	0.9 ± 0.4
E2170	N2070	A	0.7 ± 0.1	1.2 ± 0.7
E2170	N2090	3.1 ± 2.8	1.4 ± 0.2	1.2 ± 0.5
E2180	N2020	A	1.1 ± 0.5	1.0 ± 0.2
E2180	N2040	10.8 ± 4.0	3.6 ± 0.7	0.8 ± 0.3
E2180	N2060	5.8 ± 2.4	1.8 ± 0.5	1.2 ± 0.6
E2180	N2080	A	0.5 ± 0.2	A
E2180	N2100	A	0.8 ± 0.3	A
E2190	N2060	A	0.9 ± 0.2	0.8 ± 0.4
E2190	N2070	4.1 ± 1.8	0.8 ± 0.1	0.7 ± 0.1
E2190	N2090	2.8 ± 2.7	0.9 ± 0.2	0.9 ± 0.4
E2190	N2100	A	5.5 ± 1.5	A
E2199	N2106	A	4.7 ± 0.7	A
E2200.	N2060	A	1.3 ± 0.3	1.4 ± 0.8
E2200	N2070	A	0.7 ± 0.1	1.1 ± 0.3
E2200	N2080	1.4 ± 0.7	1.1 ± 0.1	0.7 ± 0.4
E2200	N2100	A	2.8 ± 0.5	1.6 ± 0.5
E2210	N2060	A	41.5 ± 27.2	A
E2210	N2080	A	2.4 ± 1.9	A
E2210	N2090	A	0.9 ± 0.6	A
E2220	N2070	A	0.6 ± 0.4	0.9 ± 0.8
E2220	N2100	A	1.1 ± 0.2	1.0 ± 0.2
E2230	N2060	A	19.2 ± 1.7	A
E2230	N2080	A	1.0 ± 0.2	1.1 ± 0.2
E2230	N2090	A	1.1 ± 0.1	0.8 ± 0.1
E2230	N2110	A	1.1 ± 0.2	1.1 ± 0.3
E2240	N2070	A	0.9 ± 0.1	0.9 ± 0.3
E2240	N2080	A	1.7 ± 0.1	1.7 ± 0.2
E2240	N2100	A	0.9 ± 0.1	1.1 ± 0.1

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E2250	N1990	A	0.9 ± 0.6	1.1 ± 0.8
E2250	N2010	A	0.6 ± 0.3	0.9 ± 0.4
E2250	N2050	A	1.7 ± 0.4	A
E2250	N2070	A	4.3 ± 0.5	1.0 ± 0.6
E2250	N2090	A	1.3 ± 0.2	0.8 ± 0.3
E2260	N1907	A	0.9 ± 0.4	A
E2260	N1980	A	0.8 ± 0.1	1.5 ± 1.0
E2260	N2000	A	1.4 ± 0.7	1.6 ± 0.9
E2260	N2020	A	0.8 ± 0.1	A
E2260	N2040	A	0.7 ± 0.1	1.4 ± 0.9
E2260	N2060	A	4.6 ± 0.8	A
E2260	N2070	A	3.9 ± 0.3	A
E2260	N2080	4.3 ± 1.7	0.9 ± 0.1	1.0 ± 0.2
E2270	N1990	A	0.5 ± 0.4	A
E2270	N2010	A	0.8 ± 0.1	0.5 ± 0.1
E2270	N2030	A	1.4 ± 0.4	0.9 ± 0.7
E2270	N2050	A	A	1.7 ± 1.2
E2270	N2070	A	8.4 ± 0.2	0.7 ± 0.2
E2270	N2090	A	0.9 ± 0.4	1.2 ± 1.1
E2280	N1960	A	2.3 ± 1.0	A
E2280	N1970	A	1.0 ± 0.8	1.1 ± 1.0
E2280	N1990	A	1.2 ± 0.7	1.6 ± 1.1
E2280	N2020	A	3.3 ± 0.7	A
E2280	N2030	A	1.3 ± 0.7	1.6 ± 0.9
E2280	N2040	A	3.9 ± 1.1	A
E2280	N2060	A	A	1.5 ± 1.2
E2280	N2080	<1.8	1.4 ± 0.1	1.3 ± 0.2
E2280	N2100	A	1.4 ± 0.8	1.5 ± 1.0
E2290	N1970	1.3 ± 0.1	0.7 ± 0.2	0.7 ± 0.1
E2290	N1980	A	A	1.5 ± 1.3
E2290	N1990	A	7.4 ± 1.3	2.1 ± 1.0
E2290	N2000	A	1.4 ± 0.7	2.5 ± 1.3
E2290	N2010	A	0.9 ± 0.1	1.1 ± 0.2
E2290	N2020	A	1.2 ± 0.7	1.7 ± 1.1
E2290	N2040	A	1.8 ± 1.0	A
E2290	N2050	A	A	A
E2290	N2070	A	1.1 ± 0.2	1.4 ± 0.4
E2290	N2090	A	1.2 ± 0.3	A
E2299	N1980	1.5 ± 1.0	1.0 ± 0.3	0.6 ± 0.3
E2300	N1965	A	1.5 ± 0.1	A
E2300	N1970	A	2.7 ± 0.9	1.6 ± 1.2
E2300	N1990	A	A	1.7 ± 1.0
E2300	N2000	A	4.3 ± 0.8	A
E2300	N2030	A	2.3 ± 0.3	2.0 ± 0.7
E2300	N2040	A	0.9 ± 0.3	A
E2300	N2060	A	2.5 ± 0.5	A
E2300	N2080	A	0.4 ± 0.3	A
E2300	N2100	A	1.0 ± 0.7	1.8 ± 0.9
E2310	N1990	A	0.7 ± 0.1	1.8 ± 0.8
E2310	N2010	A	0.9 ± 0.2	1.0 ± 0.7
E2310	N2030	A	1.7 ± 0.4	A
E2310	N2050	A	1.7 ± 0.5	A
E2310	N2060	7.7 ± 0.7	3.3 ± 0.2	A
E2310	N2070	A	1.3 ± 0.2	0.8 ± 0.7
E2310	N2090	A	1.1 ± 0.6	A
E2310	N2100	A	0.7 ± 0.5	1.5 ± 1.3
E2320	N2000	A	1.0 ± 0.3	3.1 ± 0.7
E2320	N2020	A	0.3 ± 0.1	A
E2320	N2040	A	A	A
E2320	N2060	3.8 ± 1.7	1.2 ± 0.1	0.9 ± 0.2
E2320	N2080	A	1.0 ± 0.1	1.0 ± 0.2
E2330	N1990	A	1.0 ± 0.3	A
E2330	N2010	A	2.1 ± 0.2	1.3 ± 0.2
E2330	N2030	A	0.6 ± 0.3	0.7 ± 0.3
E2330	N2050	A	0.6 ± 0.1	0.8 ± 0.1
E2330	N2070	A	5.3 ± 0.2	A
E2330	N2090	A	1.0 ± 0.7	1.6 ± 1.0
E2335	N2110	A	2.3 ± 0.9	A

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E2340	N2000	A	4.0 ± 1.3	A
E2340	N2020	A	0.7 ± 0.1	0.8 ± 0.2
E2340	N2040	A	1.1 ± 0.1	1.0 ± 0.2
E2340	N2060	A	0.9 ± 0.1	1.2 ± 0.2
E2340	N2080	A	1.0 ± 0.1	0.9 ± 0.2
E2350	N2000	A	5.7 ± 0.3	0.6 ± 0.2
E2350	N2030	A	1.1 ± 0.4	0.5 ± 0.4
E2350	N2050	A	0.5 ± 0.3	0.9 ± 0.4
E2350	N2070	A	0.4 ± 0.3	0.6 ± 0.3
E2350	N2090	A	A	1.1 ± 0.5
E2350	N2100	A	2.3 ± 0.4	A
E2350	N2110	A	1.6 ± 0.6	A
E2360	N1985	A	0.7 ± 0.1	1.2 ± 0.2
E2360	N1990	A	2.1 ± 0.4	0.6 ± 0.4
E2360	N2040	A	0.9 ± 0.3	1.1 ± 0.4
E2360	N2060	A	0.7 ± 0.3	0.9 ± 0.3
E2360	N2080	10.0 ± 4.0	0.6 ± 0.2	0.8 ± 0.4
E2370	N2000	A	1.4 ± 0.3	0.7 ± 0.3
E2370	N2030	A	0.7 ± 0.3	1.3 ± 0.4
E2370	N2050	A	8.6 ± 1.6	1.0 ± 0.8
E2377	N1984	A	1.1 ± 0.7	A
E2380	N2040	4.0 ± 2.0	2.3 ± 0.4	1.1 ± 0.4
E2390	N1975	9.0 ± 4.0	5.3 ± 0.6	0.5 ± 0.4
E2390	N2000	A	4.5 ± 1.2	1.7 ± 1.0
E2391	N1984	A	2.2 ± 0.5	A
E2391	N1996	A	0.8 ± 0.3	0.9 ± 0.7
E2395	N2002	A	1.0 ± 0.3	0.8 ± 0.4
E3100	N2064	A	7.2 ± 0.7	2.0 ± 0.6
E3150	N2060	A	A	A
E3152	N2076	A	3.0 ± 0.3	1.3 ± 0.3
E3170	N2060	A	1.9 ± 0.7	A
E3178	N2076	A	1.0 ± 0.6	0.7 ± 0.1
E3180	N2070	A	A	A
E3190	N2060	A	0.8 ± 0.1	A
E3191	N2076	A	12.2 ± 0.7	0.6 ± 0.7
E3200	N2070	A	A	A
E3250	N2080	A	1.6 ± 1.1	A
E3335	N2080	A	1.2 ± 0.3	0.6 ± 0.4
E3350	N2077	A	1.4 ± 0.4	0.5 ± 0.4
E3363	N2080	6.0 ± 4.0	1.2 ± 0.3	0.8 ± 0.4
E3380	N2070	A	9.1 ± 1.9	A
E3390	N2060	A	1.3 ± 0.5	A
E3400	N2070	A	0.8 ± 0.1	1.3 ± 0.2
E3410	N2050	2.7 ± 0.6	0.8 ± 0.3	1.2 ± 0.3
E3410	N2060	A	1.6 ± 0.7	1.5 ± 0.9
E3420	N2050	A	1.6 ± 1.0	1.6 ± 1.1
E3420	N2070	A	3.7 ± 1.1	1.5 ± 1.2
E3430	N2040	A	1.7 ± 0.8	1.6 ± 1.1
E3430	N2060	A	0.8 ± 0.5	A
E3440	N2030	A	1.4 ± 0.8	2.3 ± 1.3
E3440	N2040	A	0.8 ± 0.1	0.8 ± 0.3
E3440	N2050	A	1.4 ± 0.8	A
E3440	N2060	A	0.8 ± 0.1	1.1 ± 0.7
E3440	N2070	A	1.2 ± 0.7	2.3 ± 1.4
E3450	N2040	A	8.4 ± 1.9	2.9 ± 1.5
E3450	N2060	A	1.4 ± 0.8	A
E3460	N2030	A	4.7 ± 1.5	A
E3460	N2050	A	1.4 ± 1.0	2.1 ± 1.3
E3460	N2070	A	1.9 ± 0.9	2.2 ± 1.4
E3465	N2030	7.3 ± 2.1	1.2 ± 0.1	1.0 ± 0.3
E3470	N2050	3.2 ± 0.9	1.5 ± 0.3	0.8 ± 0.3
E3470	N2060	A	1.4 ± 0.7	1.6 ± 1.0
E3471	N2039	A	0.9 ± 0.3	1.1 ± 0.4
E3475	N2028	3.5 ± 1.0	0.9 ± 0.1	0.8 ± 0.2
E3480	N2070	A	1.5 ± 0.7	1.5 ± 1.1
E3490	N2060	A	0.7 ± 0.5	1.2 ± 0.9

"A" denotes less than detectable activity.

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Niagara Falls Storage Site Vicinity Properties, New York, Site Certification Data Summary Worksheet

Post-Remedial Action Soil Sampling Results for Property G

Table 7 in 1989 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E0907	N1348	A	5.3 ± 1.2	2.3 ± 1.2
E0908	N1296	A	3.5 ± 1.2	1.7 ± 1.2
E0930	N1409	A	2.6 ± 1.0	1.3 ± 1.1
E0941	N1291	A	1.0 ± 0.1	1.1 ± 0.2
E0954	N1048	A	1.3 ± 0.8	A
E0962	N1626	A	1.2 ± 0.3	0.8 ± 0.4
E0978	N1389	A	0.9 ± 0.3	0.6 ± 0.5
E0980	N1331	A	1.1 ± 0.8	A
E0992	N1585	A	1.8 ± 0.4	0.7 ± 0.4
E0993	N0930	A	1.1 ± 1.0	1.7 ± 1.5
E0993	N0950	A	1.8 ± 1.2	1.4 ± 0.3
E1016	N0930	A	2.0 ± 1.0	A
E1016	N1409	A	0.9 ± 0.1	0.5 ± 0.1
E1020	N0950	A	0.7 ± 0.3	0.6 ± 0.1
E1020	N0960	A	1.0 ± 0.3	0.8 ± 0.6
E1020	N1574	A	2.3 ± 0.5	0.9 ± 0.4
E1030	N0940	1.5 ± 0.2	3.6 ± 0.3	0.7 ± 0.2
E1030	N0960	A	0.8 ± 0.1	0.5 ± 0.4
E1040	N0950	A	1.0 ± 0.1	0.8 ± 0.2
E1040	N0970	A	1.7 ± 0.3	0.8 ± 0.6
E1049	N0948	A	3.7 ± 0.6	A
E1050	N0787	A	0.9 ± 0.3	1.2 ± 0.5
E1050	N0950	3.0 ± 3.0	7.0 ± 1.0	0.9 ± 0.7
E1050	N0970	A	1.0 ± 0.5	2.0 ± 0.8
E1056	N0954	A	1.3 ± 0.7	1.5 ± 0.9
E1056	N0964	7.2 ± 0.9	0.7 ± 0.2	0.8 ± 0.3
E1060	N0760	A	1.2 ± 0.1	0.8 ± 0.2
E1070	N0950	A	1.2 ± 0.5	1.6 ± 0.7
E1070	N0960	3.5 ± 1.9	2.5 ± 0.4	0.9 ± 0.8
E1070	N0970	A	2.9 ± 0.7	3.0 ± 1.0
E1076	N1740	A	1.2 ± 0.4	1.2 ± 0.4
E1077	N0955	5.2 ± 2.5	1.0 ± 0.3	0.8 ± 0.2
E1086	N0751	A	5.2 ± 0.6	A
E1090	N0950	A	1.3 ± 0.6	2.6 ± 0.8
E1090	N0970	A	1.9 ± 0.6	A
E1100	N0960	A	0.8 ± 0.4	1.8 ± 0.7
E1107	N0959	7.6 ± 3.3	4.7 ± 0.4	0.7 ± 0.5
E1110	N0950	A	1.7 ± 0.6	A
E1110	N0970	A	2.2 ± 0.6	1.3 ± 0.6
E1120	N0960	31.0 ± 8.0	2.4 ± 0.6	A
E1125	N0753	1.9 ± 1.6	1.1 ± 0.1	1.2 ± 0.5
E1126	N0873	A	0.6 ± 0.4	0.8 ± 0.5
E1149	N1050	A	1.0 ± 0.4	1.3 ± 0.5
E1150	N1190	A	0.9 ± 0.3	0.7 ± 0.4
E1160	N0960	A	2.6 ± 0.7	1.3 ± 0.6
E1160	N0980	A	1.4 ± 0.4	1.1 ± 0.6
E1160	N1000	A	1.0 ± 0.5	1.7 ± 0.8
E1160	N1068	12.0 ± 4.0	0.9 ± 0.3	0.5 ± 0.3
E1160	N1180	A	0.8 ± 0.4	0.9 ± 0.4
E1160	N1200	A	A	1.0 ± 0.5
E1166	N0964	A	1.3 ± 0.8	1.8 ± 0.8
E1170	N0950	A	3.2 ± 0.8	1.0 ± 0.7
E1170	N0970	2.3 ± 0.6	1.7 ± 0.4	0.8 ± 0.2
E1170	N0990	A	3.9 ± 0.2	0.9 ± 0.5
E1170	N1190	d	0.9 ± 0.3	0.9 ± 0.5
E1180	N0950	A	1.2 ± 0.6	2.9 ± 1.1
E1180	N0980	1.6 ± 0.3	1.9 ± 0.2	1.0 ± 0.1
E1180	N1000	A	1.4 ± 0.1	0.7 ± 0.5
E1180	N1180	A	0.8 ± 0.4	0.9 ± 0.5
E1180	N1700	A	0.9 ± 0.3	1.3 ± 0.4
E1190	N0960	A	3.1 ± 0.8	A
E1190	N0970	2.0 ± 1.4	0.9 ± 0.1	1.1 ± 0.5
E1190	N0990	2.3 ± 0.8	1.0 ± 0.2	1.0 ± 0.3
E1190	N1000	A	1.7 ± 0.6	2.8 ± 0.9
E1200	N0970	A	2.4 ± 0.7	1.3 ± 0.7
E1200	N0980	A	0.9 ± 0.1	1.3 ± 0.4
E1200	N0990	A	1.0 ± 0.5	1.7 ± 0.7
E1201	N1540	A	1.0 ± 0.4	A
E1210	N0960	A	1.5 ± 0.6	A
E1210	N0970	2.1 ± 0.4	0.8 ± 0.2	0.9 ± 0.3
E1210	N0980	A	1.9 ± 0.7	1.5 ± 0.8
E1210	N1000	A	1.5 ± 0.5	1.7 ± 0.7
E1220	N0950	A	2.8 ± 0.7	1.4 ± 0.7
E1220	N0970	8.0 ± 5.0	7.0 ± 1.0	1.2 ± 0.7
E1220	N0990	A	3.0 ± 0.8	A
E1230	N0960	A	2.0 ± 0.6	1.5 ± 0.6
E1230	N0980	A	2.4 ± 0.8	1.5 ± 0.8

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E1230	N1000	A	1.5 ± 0.5	0.5 ± 0.4
E1240	N0950	A	1.2 ± 0.4	2.3 ± 0.7
E1240	N0970	A	1.6 ± 0.6	1.1 ± 0.6
R1240	N0990	A	1.5 ± 0.5	1.3 ± 0.8
E1247	N1024	A	2.3 ± 0.8	1.7 ± 1.1
E1250	N0960	A	0.8 ± 0.4	1.3 ± 0.6
E1250	N0980	A	2.0 ± 0.9	1.8 ± 1.0
E1250	N1000	A	2.6 ± 0.7	1.1 ± 0.6
E1250	N1010	A	1.7 ± 0.6	1.7 ± 0.8
E1250	N1020	A	2.2 ± 0.7	1.6 ± 0.8
E1250	N1040	A	1.8 ± 0.7	2.2 ± 0.7
E1257	N1024	5.1 ± 4.8	2.0 ± 0.4	0.8 ± 0.8
E1260	N0990	A	7.0 ± 1.0	1.5 ± 1.1
E1260	N1010	6.0 ± 3.0	2.8 ± 0.7	A
E1260	N1014	A	5.7 ± 1.7	1.3 ± 0.9
E1260	N1030	A	1.6 ± 0.7	1.4 ± 1.0
E1260	N1040	A	1.8 ± 0.6	3.0 ± 1.0
E1264	N1014	16.1 ± 6.3	14.7 ± 1.6	0.9 ± 0.6
E1265	N0988	1.5 ± 0.1	1.0 ± 0.1	1.1 ± 0.3
E1270	N0980	A	2.8 ± 0.7	2.3 ± 0.6
E1270	N1000	A	3.2 ± 0.8	1.2 ± 0.7
E1270	N1020	10.1 ± 0.4	3.1 ± 0.6	0.8 ± 0.2
E1270	N1214	22.0 ± 14.0	5.9 ± 1.8	3.0 ± 1.5
E1275	N0974	2.6 ± 0.7	2.1 ± 0.3	0.7 ± 0.2
E1278	N0997	2.9 ± 1.5	0.9 ± 0.1	1.0 ± 0.2
E1280	N0990	A	2.1 ± 0.6	2.3 ± 0.8
E1280	N1010	10.7 ± 3.8	4.0 ± 0.3	0.5 ± 0.3
E1280	N1300	11.0 ± 6.0	2.4 ± 0.6	A
E1285	N0987	5.7 ± 0.3	2.3 ± 0.5	1.0 ± 0.4
E1290	N1300	50.0 ± 11.0	9.3 ± 1.0	1.1 ± 0.7
E1295	N0977	2.6 ± 1.5	0.7 ± 0.1	0.9 ± 0.6
E1295	N0987	A	2.6 ± 1.1	A
E1300	N1010	A	1.8 ± 0.6	1.0 ± 0.5
E1300	N1030	A	0.8 ± 0.5	1.4 ± 0.7
E1300	N1050	A	1.3 ± 0.5	1.9 ± 0.8
E1300	N1320	28.0 ± 6.0	0.9 ± 0.3	A
E1300	N1340	A	0.8 ± 0.3	1.1 ± 0.4
E1310	N0980	A	1.1 ± 0.5	1.1 ± 0.7
E1310	N1000	A	1.2 ± 0.5	1.8 ± 0.8
E1310	N1020	A	1.2 ± 0.6	3.3 ± 1.0
E1310	N1040	A	1.3 ± 0.5	1.1 ± 0.7
E1310	N1060	A	1.2 ± 0.5	1.0 ± 0.6
E1310	N1310	12.0 ± 3.0	0.6 ± 0.2	0.6 ± 0.3
E1310	N1330	16.0 ± 5.0	1.1 ± 0.3	0.6 ± 0.4
E1310	N1350	6.0 ± 2.0	0.6 ± 0.2	0.7 ± 0.4
E1320	N1320	10.0 ± 4.0	1.2 ± 0.4	1.1 ± 0.4
E1330	N1310	A	0.9 ± 0.3	0.6 ± 0.3
E1330	N1330	7.0 ± 3.0	1.0 ± 0.3	1.1 ± 0.4
E1340	N1320	26.0 ± 7.0	0.8 ± 0.4	1.1 ± 0.6
E1340	N1340	22.0 ± 5.0	1.2 ± 0.3	0.6 ± 0.5
E1350	N1310	A	0.8 ± 0.4	1.0 ± 0.6
E1350	N1330	24.0 ± 6.0	0.8 ± 0.4	1.0 ± 0.5
E1350	N1350	8.0 ± 5.0	1.9 ± 0.5	1.4 ± 0.5
E1350	N1530	11.0 ± 4.0	0.7 ± 0.2	0.8 ± 0.3
E1353	N1055	A	1.1 ± 0.1	0.7 ± 0.2
E1356	N1407	30.0 ± 13.0	15.0 ± 1.0	0.9 ± 0.7
E1360	N1320	A	0.7 ± 0.4	1.3 ± 0.5
E1360	N1340	28.0 ± 7.0	0.9 ± 0.3	0.8 ± 0.4
E1367	N1062	A	0.6 ± 0.3	A
E1370	N1310	31.0 ± 8.0	5.8 ± 0.8	0.6 ± 0.5
E1370	N1330	11.0 ± 6.0	7.7 ± 0.8	A
E1377	N0973	52.0 ± 9.0	0.7 ± 0.3	0.5 ± 0.4
E1380	N1300	A	0.4 ± 0.3	1.4 ± 0.5
E1380	N1320	12.0 ± 4.0	1.4 ± 0.3	0.6 ± 0.3
E1384	N1120	A	0.7 ± 0.1	0.7 ± 0.2
E1390	N1310	A	0.4 ± 0.3	0.6 ± 0.4
E1415	N0900	A	1.1 ± 0.4	0.6 ± 0.4
E1424	N0913	4.6 ± 0.4	0.9 ± 0.3	0.8 ± 0.2
E1425	N1170	A	1.1 ± 0.2	1.0 ± 0.9
E1426	N0973	A	1.7 ± 0.9	2.1 ± 1.2
E1430	N1360	14.0 ± 5.0	3.9 ± 0.6	0.9 ± 0.4
E1430	N1410	A	1.0 ± 0.4	1.0 ± 0.5
E1430	N1420	23.0 ± 7.0	0.5 ± 0.3	0.4 ± 0.3
E1440	N1360	A	1.2 ± 0.3	0.8 ± 0.4
E1440	N1420	40.0 ± 8.0	0.6 ± 0.3	1.0 ± 0.5

A' denotes less than detectable activity.

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Niagara Falls Storage Site Vicinity Properties, New York, Site Certification Data Summary Worksheet

Post-Remedial Action Sampling Results for Property N/N' North

Table 8 in 1989 PRAR

Grid Coordinates		Concentrations (pCi/g +/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E1914	S1254	A	13.1 ± 0.7	2.2 ± 0.7
E1930	S1240	A	1.2 ± 0.3	1.2 ± 0.5
E1932	S1187	A	0.8 ± 0.2	0.7 ± 0.2
E4144	S2083	A	1.5 ± 0.4	1.0 ± 0.5
E4210	S2012	A	1.0 ± 0.3	1.0 ± 0.4
E4212	S1973	A	0.9 ± 0.4	0.9 ± 0.5
E4215	S2089	A	0.8 ± 0.3	0.6 ± 0.4
E4224	S1976	A	1.0 ± 0.3	1.2 ± 0.5
E4225	S2089	A	1.3 ± 0.4	0.8 ± 0.5
E4240	S2020	11.0 ± 4.0	0.8 ± 0.3	1.0 ± 0.5
E4245	S1961	A	1.0 ± 0.1	1.1 ± 0.3
E4250	S1972	4.5 ± 2.3	1.3 ± 0.2	1.6 ± 0.6
E4250	S2010	A	0.9 ± 0.3	0.6 ± 0.4
E4260	S2000	A	0.5 ± 0.3	0.6 ± 0.4
E4260	S2020	A	1.4 ± 0.1	1.1 ± 0.2
E4270	S1990	18.0 ± 5.0	1.0 ± 3.0	0.8 ± 0.4
E4270	S2010	A	0.7 ± 0.2	1.0 ± 0.4
E4280	S1980	16.0 ± 6.0	1.4 ± 0.4	1.0 ± 0.5
E4280	S2000	A	1.2 ± 0.1	1.4 ± 0.2
E4290	S1990	15.0 ± 5.0	1.3 ± 0.3	1.1 ± 0.4
E4300	S2000	A	0.7 ± 0.3	0.6 ± 0.4
E4465	S1800	A	0.8 ± 0.3	0.5 ± 0.3
E4469	S1897	A	0.5 ± 0.3	0.5 ± 0.3
E4480	S1860	A	A	A
E4480	S1893	A	0.8 ± 0.4	0.8 ± 0.6
E4500	S1830	A	7.7 ± 0.9	0.9 ± 0.5
E4500	S1860	A	0.5 ± 0.3	0.7 ± 0.3
E4500	S1880	A	0.9 ± 0.3	0.9 ± 0.4
E4510	S1870	A	0.7 ± 0.3	0.9 ± 0.5
E4520	S1830	A	0.8 ± 0.2	0.7 ± 0.3
E4520	S1860	A	0.5 ± 0.2	0.5 ± 0.3
E4530	S1850	A	0.8 ± 0.1	0.9 ± 0.2
E4530	S1860	A	1.1 ± 0.3	0.4 ± 0.3
E4540	S1840	A	2.9 ± 0.6	1.2 ± 0.6
E4540	S1860	A	1.1 ± 0.4	0.7 ± 0.4
E4550	S1830	8.8 ± 3.4	8.1 ± 0.3	1.1 ± 0.3
E4550	S1850	A	1.7 ± 0.6	0.8 ± 0.5
E4560	S1840	A	5.6 ± 0.6	2.2 ± 0.6
E4570	S1830	A	1.0 ± 0.3	0.6 ± 0.4
E4580	S1820	A	1.0 ± 0.3	1.1 ± 0.5
E4600	S1780	9.0 ± 4.0	3.0 ± 0.5	1.1 ± 0.4
E4600	S1790	A	0.9 ± 0.3	0.8 ± 0.5
E4610	S1790	A	0.8 ± 0.3	0.8 ± 0.4
E4630	S1760	A	1.0 ± 0.3	0.8 ± 0.4
E4630	S1780	A	1.0 ± 0.2	A
E4640	S1740	A	6.2 ± 0.4	A
E4640	S1760	3.3 ± 2.1	0.5 ± 0.1	0.8 ± 0.2
E4640	S1770	A	1.0 ± 0.3	1.3 ± 0.5
E4640	S1790	A	1.2 ± 0.4	0.8 ± 0.5
E4650	S1740	A	1.6 ± 0.4	1.3 ± 0.5
E4650	S1760	A	2.8 ± 0.5	1.2 ± 0.4
E4650	S1780	A	1.1 ± 0.3	1.2 ± 0.5
E4650	S1800	A	1.2 ± 0.3	0.7 ± 0.5
E4660	S1750	A	1.4 ± 0.4	1.1 ± 0.4
E4660	S1770	A	0.5 ± 0.3	1.0 ± 0.4
E4660	S1790	A	0.8 ± 0.3	0.6 ± 0.4
E4670	S1780	A	1.6 ± 0.3	1.0 ± 0.4
E4680	S1730	A	1.4 ± 0.4	1.0 ± 0.5
E4680	S1750	A	1.3 ± 0.3	0.8 ± 0.3
E4680	S1770	A	0.8 ± 0.3	1.0 ± 0.5
E4680	S1780	A	0.6 ± 0.3	0.9 ± 0.5
E4690	S1700	33.0 ± 10.0	8.2 ± 0.9	0.8 ± 0.5
E4690	S1720	A	4.3 ± 0.5	1.1 ± 0.6
E4690	S1740	A	1.4 ± 0.3	0.6 ± 0.4
E4690	S1760	5.0 ± 3.0	0.5 ± 0.2	0.7 ± 0.3
E4700	S1740	A	0.9 ± 0.3	0.7 ± 0.4
E4700	S1760	A	0.9 ± 0.3	1.3 ± 0.5
E4700	S1770	A	1.5 ± 0.1	1.3 ± 0.2
E4710	S1710	11.0 ± 5.0	1.0 ± 0.3	0.8 ± 0.4
E4710	S1730	A	0.8 ± 0.4	1.0 ± 0.5
E4710	S1750	A	1.9 ± 0.4	0.9 ± 0.4
E4720	S1700	A	0.8 ± 0.3	0.6 ± 0.4
E4720	S1720	A	1.2 ± 0.4	1.0 ± 0.4
E4720	S1740	A	1.1 ± 0.3	0.6 ± 0.4
E4730	S1690	20.0 ± 6.0	1.4 ± 0.4	1.4 ± 0.5
E4730	S1710	A	0.9 ± 0.3	1.1 ± 0.4
E4730	S1730	A	1.2 ± 0.3	1.0 ± 0.4
E4740	S1680	6.0 ± 4.0	1.3 ± 0.4	0.7 ± 0.5
E4740	S1700	A	1.3 ± 0.1	1.0 ± 0.2
E4740	S1720	A	0.3 ± 0.4	1.5 ± 0.5
E4740	S1740	A	1.6 ± 0.5	1.7 ± 0.6
E4750	S1670	A	0.9 ± 0.3	1.1 ± 0.4
E4750	S1690	22.0 ± 5.0	1.0 ± 0.3	0.9 ± 0.4

Grid Coordinates		Concentrations (pCi/g +/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E4750	S1710	A	1.3 ± 0.3	1.3 ± 0.4
E4750	S1730	4.0 ± 2.0	0.8 ± 0.3	0.7 ± 0.4
E4760	S1650	A	0.8 ± 0.3	1.0 ± 0.4
E4760	S1660	A	1.9 ± 0.2	1.1 ± 0.2
E4760	S1670	A	1.0 ± 0.3	1.2 ± 0.4
E4760	S1720	A	0.9 ± 0.3	A
E4760	S1740	A	1.0 ± 0.3	1.0 ± 0.4
E4770	S1660	A	0.7 ± 0.3	1.0 ± 0.4
E4770	S1680	4.9 ± 2.7	3.4 ± 0.2	1.3 ± 0.2
E4770	S1710	A	1.1 ± 0.3	0.8 ± 0.5
E4770	S1730	A	0.7 ± 0.3	0.9 ± 0.4
E4774	S1631	A	1.0 ± 0.1	1.0 ± 0.4
E4780	S1640	8.0 ± 3.0	1.2 ± 0.3	1.0 ± 0.4
E4780	S1660	A	1.0 ± 0.3	1.4 ± 0.5
E4780	S1700	A	0.7 ± 0.3	1.1 ± 0.5
E4780	S1720	A	0.9 ± 0.3	0.5 ± 0.4
E4790	S1650	A	1.3 ± 0.4	0.8 ± 0.5
E4790	S1670	A	2.7 ± 0.5	0.8 ± 0.5
E4790	S1690	A	0.9 ± 0.3	0.9 ± 0.4
E4790	S1710	A	0.9 ± 0.3	0.8 ± 0.4
E4790	S1730	A	1.4 ± 0.1	1.3 ± 0.2
E4794	S1612	12.4 ± 2.5	1.5 ± 0.1	1.7 ± 0.6
E4800	S1620	A	0.9 ± 0.3	1.0 ± 0.5
E4800	S1640	A	1.0 ± 0.3	0.9 ± 0.4
E4800	S1660	A	1.3 ± 0.4	1.4 ± 0.5
E4800	S1680	A	1.3 ± 0.3	0.6 ± 0.4
E4800	S1700	A	2.0 ± 0.4	1.1 ± 0.4
E4800	S1720	A	0.5 ± 0.2	0.5 ± 0.3
E4810	S1630	A	0.8 ± 0.3	1.1 ± 0.5
E4810	S1650	A	0.9 ± 0.3	1.4 ± 0.4
E4810	S1670	A	2.0 ± 0.1	1.3 ± 0.3
E4810	S1690	A	1.3 ± 0.4	0.5 ± 0.4
E4810	S1710	A	0.7 ± 0.4	0.8 ± 0.6
E4820	S1620	A	1.5 ± 0.4	1.8 ± 0.6
E4820	S1640	11.0 ± 5.0	2.2 ± 0.4	0.7 ± 0.4
E4820	S1660	A	1.2 ± 0.3	1.0 ± 0.4
E4820	S1680	A	0.7 ± 0.3	0.7 ± 0.4
E4820	S1700	A	0.6 ± 0.2	0.7 ± 0.3
E4830	S1630	A	5.5 ± 0.4	A
E4830	S1650	A	0.7 ± 0.2	0.6 ± 0.3
E4830	S1670	A	4.9 ± 0.6	A
E4840	S1606	A	1.4 ± 0.2	1.6 ± 0.5
E4840	S1640	A	0.8 ± 0.2	0.5 ± 0.2
E4840	S1680	A	0.6 ± 0.3	0.8 ± 0.4
E4850	S1670	A	1.0 ± 0.3	0.9 ± 0.4
E4856	S1603	A	2.1 ± 0.2	1.6 ± 0.5
E4860	S1600	A	1.1 ± 0.4	1.4 ± 0.5
E4870	S1590	8.0 ± 3.0	6.7 ± 0.9	A
E4870	S1610	A	8.0 ± 0.8	0.9 ± 0.5
E4870	S1660	A	0.8 ± 0.3	1.3 ± 0.4
E4880	S1600	9.0 ± 4.0	7.2 ± 0.9	1.2 ± 0.6
E4880	S1620	A	1.1 ± 0.3	0.9 ± 0.3
E4880	S1640	A	3.1 ± 0.3	A
E4890	S1590	A	4.1 ± 0.7	1.6 ± 0.6
E4890	S1610	A	0.4 ± 0.3	0.6 ± 0.5
E4890	S1650	A	1.2 ± 0.3	0.8 ± 0.4
E4980	S1580	A	17.0 ± 2.0	1.5 ± 1.1
E4900	S1600	A	1.8 ± 0.4	1.1 ± 0.4
E4900	S1640	A	1.1 ± 0.4	1.4 ± 0.5
E4910	S1590	A	7.3 ± 0.9	0.8 ± 0.5
E4910	S1630	A	2.3 ± 0.4	1.2 ± 0.4
E4910	S1650	A	1.2 ± 0.4	1.2 ± 0.6
E4914	S1558	3.8 ± 2.0	1.8 ± 0.2	1.3 ± 0.4
E4920	S1580	A	2.1 ± 0.6	A
E4930	S1570	A	0.8 ± 0.5	1.3 ± 0.6
E4930	S1590	A	2.3 ± 0.5	1.3 ± 0.5
E4940	S1580	A	1.2 ± 0.7	1.5 ± 0.9
E4940	S1620	A	0.9 ± 0.3	0.7 ± 0.5
E4950	S1550	A	0.9 ± 0.5	A
E4950	S1570	35.0 ± 7.0	1.2 ± 0.4	0.9 ± 0.6
E4950	S1590	A	0.8 ± 0.3	1.1 ± 0.6
E4950	S1610	9.0 ± 4.0	0.8 ± 0.3	1.6 ± 0.4
E4960	S1560	A	3.1 ± 0.6	1.3 ± 0.6
E4960	S1580	7.0 ± 3.0	1.1 ± 0.4	0.6 ± 0.5
E4960	S1600	A	1.0 ± 0.3	1.2 ± 0.4
E4970	S1570	238.0 ± 14.0	1.3 ± 0.3	0.6 ± 0.4
E4970	S1590	A	1.0 ± 0.3	0.9 ± 0.5
E4980	S1560	A	1.3 ± 0.4	A
E4980	S1580	A	0.8 ± 0.4	1.0 ± 0.4
E4990	S1570	A	1.1 ± 0.4	1.6 ± 0.6
E4990	S1590	A	2.9 ± 0.4	0.7 ± 0.4
E5000	S1580	A	8.8 ± 0.7	A
E5010	S1570	A	1.3 ± 0.4	1.0 ± 0.5

A' denotes less than detectable activity.

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Post-Remedial Action Sampling Results for Property P				
Table 9 in 1989 PRAR				
Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E0140	N3565	A	0.8 ± 0.3	1.9 ± 1.2
"A" denotes less than detectable activity.				

Post-Remedial Action Sampling Results for Property W				
Table 11 in 1989 PRAR				
Grid Coordinates		Concentrations(pCi/g±/-1sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
W0010	N2300	A	4.3 ± 0.2	1.0 ± 0.2
W0010	N2310	A	1.2 ± 0.1	1.7 ± 0.2
W0021	N2280	3.6 ± 1.3	1.0 ± 0.1	1.5 ± 0.2
W0022	N2230	A	1.8 ± 0.4	2.0 ± 0.4
W0026	N2277	A	4.1 ± 0.2	0.8 ± 0.2
"A" denotes less than detectable activity.				

Post-Remedial Action Sampling Results for Property T				
Table 10 in 1989 PRAR				
Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E0077	N2445	A	1.2 ± 0.3	0.7 ± 0.4
E0077	N2485	A	0.9 ± 0.3	0.6 ± 0.4
E0088	N2502	A	3.1 ± 0.5	2.0 ± 0.8
E0129	N2567	A	4.4 ± 0.4	A
E0153	N2620	A	0.9 ± 0.5	0.8 ± 0.8
E0320	N2940	A	1.0 ± 0.1	0.9 ± 0.2
E0335	N3007	A	1.0 ± 0.1	1.3 ± 0.2
E0345	N2906	A	3.9 ± 0.2	0.9 ± 0.2
E0347	N3247	A	1.0 ± 0.1	1.3 ± 0.2
E0350	N3022	A	0.8 ± 0.1	0.8 ± 0.2
E0351	N3187	7.0 ± 1.5	1.1 ± 0.1	0.9 ± 0.2
E0352	N3205	A	0.9 ± 0.1	1.4 ± 0.2
E0354	N3059	A	1.1 ± 0.1	1.5 ± 0.3
E0356	N3196	A	4.4 ± 0.2	1.3 ± 0.3
E0357	N2880	A	3.7 ± 0.2	1.1 ± 0.2
E0357	N2890	A	1.5 ± 0.1	1.2 ± 0.3
E0357	N3002	A	1.2 ± 0.1	1.1 ± 0.2
E0357	N3213	A	3.1 ± 0.2	1.4 ± 0.4
E0357	N3256	A	5.3 ± 0.4	A
E0357	N3262	A	4.9 ± 0.3	1.5 ± 0.3
E0360	N2765	A	7.8 ± 0.3	1.3 ± 0.3
E0360	N2775	A	2.4 ± 0.2	1.2 ± 0.2
E0360	N2785	A	1.4 ± 0.1	1.8 ± 0.2
E0360	N3095	A	5.4 ± 0.3	1.5 ± 0.4
E0360	N3105	A	2.9 ± 0.2	1.2 ± 0.2
E0360	N3115	A	2.9 ± 0.3	1.7 ± 0.4
E0360	N3125	A	0.9 ± 0.2	1.1 ± 0.2
E0360	N3135	A	1.1 ± 0.5	1.7 ± 0.4
E0360	N3152	A	1.3 ± 0.1	0.8 ± 0.2
E0364	N2807	A	2.1 ± 0.2	0.9 ± 0.2
E0364	N3164	A	1.0 ± 0.1	1.6 ± 0.3
E0365	N3021	A	0.9 ± 0.1	1.0 ± 0.2
E0366	N2835	A	5.1 ± 0.2	0.8 ± 0.2
E0370	N2703	A	1.0 ± 0.1	1.1 ± 0.1
E0370	N2725	A	1.0 ± 0.1	1.0 ± 0.1
E0370	N2747	A	0.8 ± 0.1	1.2 ± 0.2
E0370	N2765	A	8.1 ± 0.3	1.3 ± 0.3
E0370	N2775	A	1.0 ± 0.1	1.0 ± 0.2
E0370	N2785	A	1.0 ± 0.1	1.1 ± 0.3
E0390	N2905	A	5.2 ± 0.2	0.7 ± 0.2
E0430	N2877	A	5.3 ± 0.2	1.2 ± 0.2
E0431	N2910	A	2.9 ± 0.2	0.9 ± 0.2
E0438	N2833	5.5 ± 2.9	8.0 ± 0.4	1.2 ± 0.3
E0440	N2775	4.9 ± 1.6	1.6 ± 0.2	0.9 ± 0.2
E0440 .	N2785	A	7.5 ± 0.3	1.8 ± 0.3
E0440	N2795	A	1.2 ± 0.1	1.4 ± 0.2
E0440	N2805	A	7.4 ± 0.1	0.8 ± 0.2
E0445	N3070	6.5 ± 3.1	1.1 ± 0.3	1.0 ± 0.2
E0445	N3125	A	0.7 ± 0.1	0.9 ± 0.1
E0446	N3084	2.8 ± 1.4	1.0 ± 0.1	1.4 ± 0.2
E0450	N3105	1.3 ± 1.5	1.4 ± 0.1	1.0 ± 0.2
E0450	N3115	A	2.2 ± 0.2	1.4 ± 0.3
E0458	N3179	A	0.8 ± 0.1	1.2 ± 0.2
E0465	N2560	A	4.4 ± 0.2	1.4 ± 0.2
E0465	N2570	A	3.9 ± 0.2	1.5 ± 0.3
E0465	N2580	A	2.4 ± 0.2	1.1 ± 0.1
E0469	N3182	A	6.9 ± 0.3	1.6 ± 0.2
E0500	N2470	7.5 ± 1.4	1.5 ± 0.1	A
E0500	N2490	A	0.9 ± 0.1	1.4 ± 0.2
E0505	N2510	A	1.1 ± 0.1	1.1 ± 0.2
E0510	N2480	A	0.8 ± 0.1	1.3 ± 0.2
E0520	N2470	A	1.0 ± 0.1	1.2 ± 0.2
E0520	N2493	5.3 ± 1.5	1.3 ± 0.1	1.0 ± 0.2
E0530	N2480	A	1.0 ± 0.1	1.3 ± 0.2
E0674	N2044	A	0.7 ± 0.3	1.0 ± 0.5
E0674	N2071	A	1.2 ± 0.4	A
"A" denotes less than detectable activity.				

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Thirty-two tables referenced in the NFSS VPs Certification Docket provide the evidence used to certify the site as clean.

The four tables below come from the "1989 PRAR", which is the BNI report "Post-Remedial Action Report for the Niagara Falls Storage Site Vicinity Properties - 1985 and 1986" (January 1989).

The remedial action guideline for radium-226 concentrations in soil more than six inches beneath the ground surface = 15 pCi/g

Post-Remedial Action Sampling Results for Anomaly AA

Table 13 in 1989 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
W020	S092	A	1.2 ± 0.1	0.8 ± 0.2
W030	S095	A	11.9 ± 0.3	1.6 ± 0.3
W031	S091	A	4.7 ± 0.9	A
W034	S091	A	7.1 ± 0.9	A
W034	S095	A	2.5 ± 0.2	1.4 ± 0.3
W035	S102	A	3.1 ± 0.1	0.9 ± 0.5
W037	S099	A	5.4 ± 0.8	A
W039	S092	A	3.2 ± 0.2	1.6 ± 0.4
W045	S091	A	4.0 ± 0.5	1.2 ± 0.4
W046	S096	A	2.0 ± 0.5	1.6 ± 0.4
W047	S089	A	11.4 ± 0.3	1.0 ± 0.3
W050	S090	A	5.4 ± 0.4	A
W055	S079	A	17.5 ± 0.2	1.2 ± 0.2
W056	S049	A	10.3 ± 0.3	0.8 ± 0.2

"A" denotes less than detectable activity.

Post-Remedial Action Sampling Results for Anomaly BB

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E035	S105	A	3.3 ± 0.3	1.3 ± 0.3
E035	S115	A	2.9 ± 0.2	1.7 ± 0.2
E040	S110	A	3.6 ± 0.3	0.9 ± 0.2
E045	S105	A	2.4 ± 0.2	0.9 ± 0.2
E045	S115	A	1.6 ± 0.2	1.9 ± 0.3
E050	S100	A	2.2 ± 1.9	1.4 ± 0.3
E050	S110	A	4.5 ± 0.3	1.3 ± 0.3
E050	S115	4.4 ± 2.9	3.2 ± 0.2	1.4 ± 0.4
E055	S105	A	1.8 ± 0.2	1.5 ± 0.2
E055	S115	A	2.0 ± 0.2	1.4 ± 0.3
E060	S110	A	1.7 ± 0.2	1.1 ± 0.3
W018	S040	1.9 ± 1.7	4.9 ± 0.3	0.8 ± 0.3

"A" denotes less than detectable activity.

Post-Remedial Action Sampling Results for Anomaly CC

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E077	N002	A	1.6 ± 0.1	1.2 ± 0.2
E082	N002	2.6 ± 1.7	1.2 ± 0.1	1.4 ± 0.2
E087	N002	A	7.1 ± 0.3	0.7 ± 0.2

"A" denotes less than detectable activity.

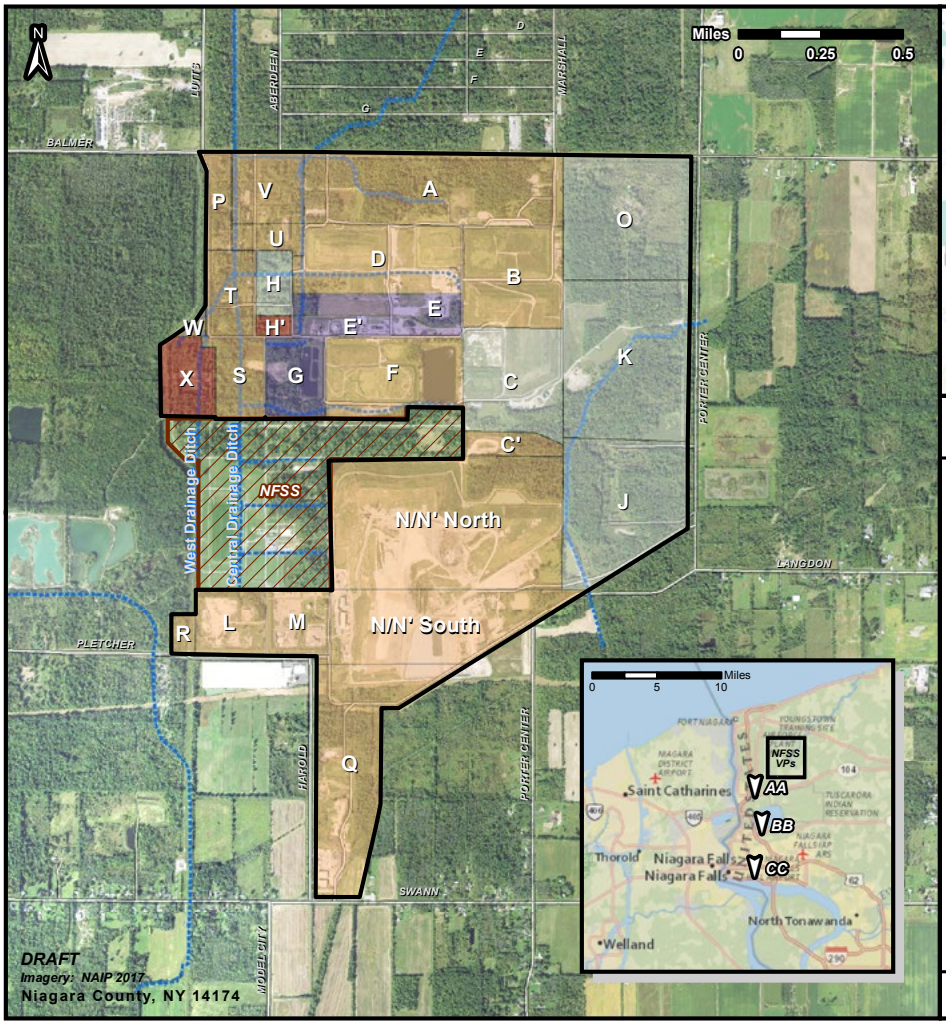
Post-Remedial Action Sampling Results for Pletcher Road

Table 12 in 1989 PRAR

Grid Coordinates		Concentrations (pCi/g ±/- 1 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E0046	S3142	A	8.4 ± 0.3	1.2 ± 0.2
E0076	S3148	A	9.3 ± 0.3	1.0 ± 0.3
E0096	S3148	A	8.3 ± 0.3	A
E0116	S3148	A	4.7 ± 0.8	A
E0136	S3148	A	4.3 ± 0.8	A
E0156	S3148	A	5.3 ± 0.3	1.8 ± 0.3
E0176	S3148	A	4.7 ± 0.2	1.1 ± 0.2
E0273	S3209	A	5.0 ± 0.8	2.4 ± 0.9
E0864	S3211	A	12.1 ± 0.3	0.9 ± 0.2
E0930	S3210	A	10.3 ± 0.4	1.4 ± 0.4
E0940	S3200	A	6.6 ± 0.3	1.5 ± 0.3
E0950	S3210	A	12.7 ± 0.4	1.3 ± 0.3
W0032	S3146	A	0.9 ± 0.1	0.8 ± 0.2
W0040	S3228	A	1.8 ± 0.2	1.7 ± 0.3
W0060	S3228	4.0 ± 2.6	1.5 ± 0.2	1.2 ± 0.2
W0062	S3175	A	3.1 ± 0.2	1.2 ± 0.2
W0072	S3146	A	3.3 ± 0.1	1.3 ± 0.2
W0080	S3228	6.1 ± 2.4	5.3 ± 0.3	1.7 ± 0.5
W0092	S3146	A	3.5 ± 0.1	0.9 ± 0.2
W0100	S3228	A	4.0 ± 0.3	1.4 ± 0.3
W0112	S3146	A	3.3 ± 0.1	1.3 ± 0.2
W0116	S3148	A	2.8 ± 0.1	0.9 ± 0.2
W0120	S3228	A	2.9 ± 0.2	1.9 ± 0.3
W0136	S3148	A	6.5 ± 0.2	1.0 ± 0.2
W0140	S3228	A	6.3 ± 0.3	1.0 ± 0.3
W0160	S3228	A	1.8 ± 0.2	1.2 ± 0.3
W0175	S3145	A	6.7 ± 0.3	1.2 ± 0.2
W0180	S3228	A	1.4 ± 0.2	1.6 ± 0.3
W0228	S3149	A	7.8 ± 0.3	1.2 ± 0.2
W0265	S3140	A	1.2 ± 0.2	0.6 ± 0.2
W0285	S3140	A	0.7 ± 0.1	0.7 ± 0.2
W0305	S3140	A	11.7 ± 0.8	A
W0305	S3172	A	3.0 ± 0.2	1.3 ± 0.2
W0310	S3130	A	1.4 ± 0.1	1.3 ± 0.2
W0325	S3176	A	10.0 ± 0.3	1.1 ± 0.2
W0367	S3140	A	2.2 ± 0.2	1.1 ± 0.2
W0387	S3140	A	0.9 ± 0.1	1.2 ± 0.2
W0407	S3140	A	1.7 ± 0.1	0.8 ± 0.2
W0427	S3140	A	1.2 ± 0.1	0.6 ± 0.1
W0447	S3140	A	0.8 ± 0.1	1.1 ± 0.2
W0467	S3140	A	1.2 ± 0.1	1.0 ± 0.1
W0487	S3140	A	1.0 ± 0.1	1.2 ± 0.3
W0507	S3140	A	0.7 ± 0.1	0.9 ± 0.2
W0527	S3140	A	1.3 ± 0.1	A
W0547	S3140	A	1.6 ± 0.2	1.0 ± 0.2
W0567	S3140	A	1.5 ± 0.2	1.1 ± 0.2
W0587	S3140	A	0.9 ± 0.1	A
W0607	S3140	A	4.0 ± 0.2	1.1 ± 0.3
W0627	S3140	A	4.2 ± 0.2	1.4 ± 0.2
W0645	S3140	A	1.5 ± 0.1	0.9 ± 0.2
W0665	S3140	4.2 ± 1.4	1.4 ± 0.1	1.4 ± 0.2
W0685	S3140	A	1.4 ± 0.1	1.1 ± 0.2
W0690	S3165	A	1.8 ± 0.1	1.3 ± 0.2
W0710	S3165	A	3.1 ± 0.2	1.1 ± 0.3
W0720	S3141	A	1.2 ± 0.1	0.8 ± 0.2
W0730	S3165	A	1.7 ± 0.1	1.3 ± 0.2
W0740	S3141	A	2.0 ± 0.1	0.9 ± 0.2
W0750	S3165	A	2.0 ± 0.1	1.4 ± 0.3
W0760	S3141	A	5.9 ± 0.2	1.4 ± 0.2
W0770	S3165	A	1.4 ± 0.1	1.1 ± 0.2
W0780	S3141	A	0.7 ± 0.2	0.8 ± 0.2
W3180	S3135	A	12.3 ± 0.3	1.5 ± 0.3
W3740	S3121	A	3.5 ± 0.7	1.9 ± 0.9
W3760	S3121	A	9.3 ± 1.0	A
W3880	S3117	A	17.8 ± 0.4	1.5 ± 0.3
W3890	S3117	A	1.6 ± 0.4	A
W3990	S3115	A	8.4 ± 0.2	1.4 ± 0.2
W4010	S3115	A	10.4 ± 0.3	1.3 ± 0.3
W4030	S3115	A	9.6 ± 1.0	A
W4050	S3115	A	11.2 ± 0.3	1.8 ± 0.1
W4070	S3115	A	12.3 ± 0.3	1.3 ± 0.4
W4090	S3115	A	8.0 ± 1.0	0.9 ± 0.2
W4110	S3115	A	2.6 ± 0.2	1.2 ± 0.2
W5090	S3097	A	8.8 ± 0.3	A
W5132	S3097	A	13.2 ± 0.4	1.2 ± 0.4
W5152	S3097	A	21.1 ± 0.5	0.9 ± 0.4
W5172	S3097	A	5.5 ± 0.2	1.2 ± 0.2
W5192	S3097	A	19.0 ± 0.5	1.3 ± 0.4
W7148	S3050	A	5.9 ± 0.3	1.8 ± 0.3
W7168	S3050	.A	5.1 ± 0.2	1.1 ± 0.3
W7454	S3046	A	12.8 ± 0.4	1.8 ± 0.3
W7878	S3040	A	2.5 ± 0.2	1.5 ± 0.2
W7896	S3040	A	2.6 ± 0.2	1.4 ± 0.2
W7928	S3044	2.1 ± 1.6	3.4 ± 0.2	1.1 ± 0.2
W8085	S2989	A	5.4 ± 0.2	1.5 ± 0.2

"A" denotes less than detectable activity.

Niagara Falls Storage Site Vicinity Properties, New York, Site Map



U.S. DEPARTMENT OF ENERGY
OFFICE OF LEGACY MANAGEMENT

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Niagara Falls Storage Site Vicinity Properties, NY, Site

AA Anomaly Locations
Drainage
Roads

Description

Other
Released from FUSRAP
Not Released from FUSRAP
Referred back to USACE

Site

Niagara Falls Storage Site Vicinity Properties
Niagara Falls Storage Site

DATE PREPARED:	FILE NAME:
April 23, 2019	NFV_DELIVERABLE

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