SELECTED QUALITY ASSURANCE DATA FOR WATER SAMPLES COLLECTED BY THE U.S. GEOLOGICAL SURVEY, IDAHO NATIONAL ENGINEERING LABORATORY, IDAHO, 1980 TO 1988

By

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FACTORS FOR CONVERTING UNITS USED IN THIS REPORT TO METRIC (SI) UNITS

For use of readers who prefer to use International System (SI) units the following conversion factors may be used:

Multiply inch-pound units	By	To obtain SI units
inch (in.)	25.4	millimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi^2)	2.590	square kilometer
gallon (gal)	3.785	liter
microcurie/milliliter (μCi/mL))	37.0	becquerel/milliliter
picocurie/milliliter (pCi/mL)	0.037	becquerel/milliliter

Metric units used in this report that do not have commonly-used inch-pound equivalents are mL (milliliter); g/mL (gram per milliliter); μg/mL (microgram per milliliter); mg/L (milligram per liter); and μS/cm (microsiemen per centimeter at 25 degrees Celsius.)

Temperature can be converted to degrees Celsius (°C) or degrees Fahrenheit (°F) by the equations:

$$°C = 5/9\ (°F-32)$$
$$°F = 9/5\ (°C) + 32$$

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ABSTRACT

Multiple water samples from 115 wells and 3 surface-water sites were collected between 1980 and 1988 for the ongoing quality assurance program at the Idaho National Engineering Laboratory. The reported results from the six laboratories involved were analyzed for agreement using descriptive statistics. The analytical constituents and properties included: tritium, plutonium-238, plutonium-239, -240 (undivided), strontium-90, americium-241, cesium-137, total dissolved chromium, selected dissolved trace metals, sodium, chloride, nitrate, selected purgeable organic compounds, and specific conductance. Agreement could not be calculated for trace metals, some nitrates, purgeable organic compounds, and blank-sample analyses because analytical uncertainties were not consistently reported. However, differences between results for most of these data were calculated. The blank samples were not analyzed for differences. The laboratory results analyzed using descriptive statistics showed a median agreement of 95 percent between all usable data pairs.

INTRODUCTION

The INEL (Idaho National Engineering Laboratory) includes about 890 mi^2 of the eastern Snake River Plain in southeastern Idaho (fig. 1). The INEL was established in 1949 and is used by the U.S. Department of Energy to test different types of nuclear reactors. The INEL is one of the many centers in the United States for developing peacetime uses of atomic energy.

The U.S. Geological Survey has collected more than 1,000 water samples for chemical and radiochemical analyses from 115 wells and 3 surface water sites (figs. 2, 3, and 4) since 1980 as part of the hydrologic monitoring

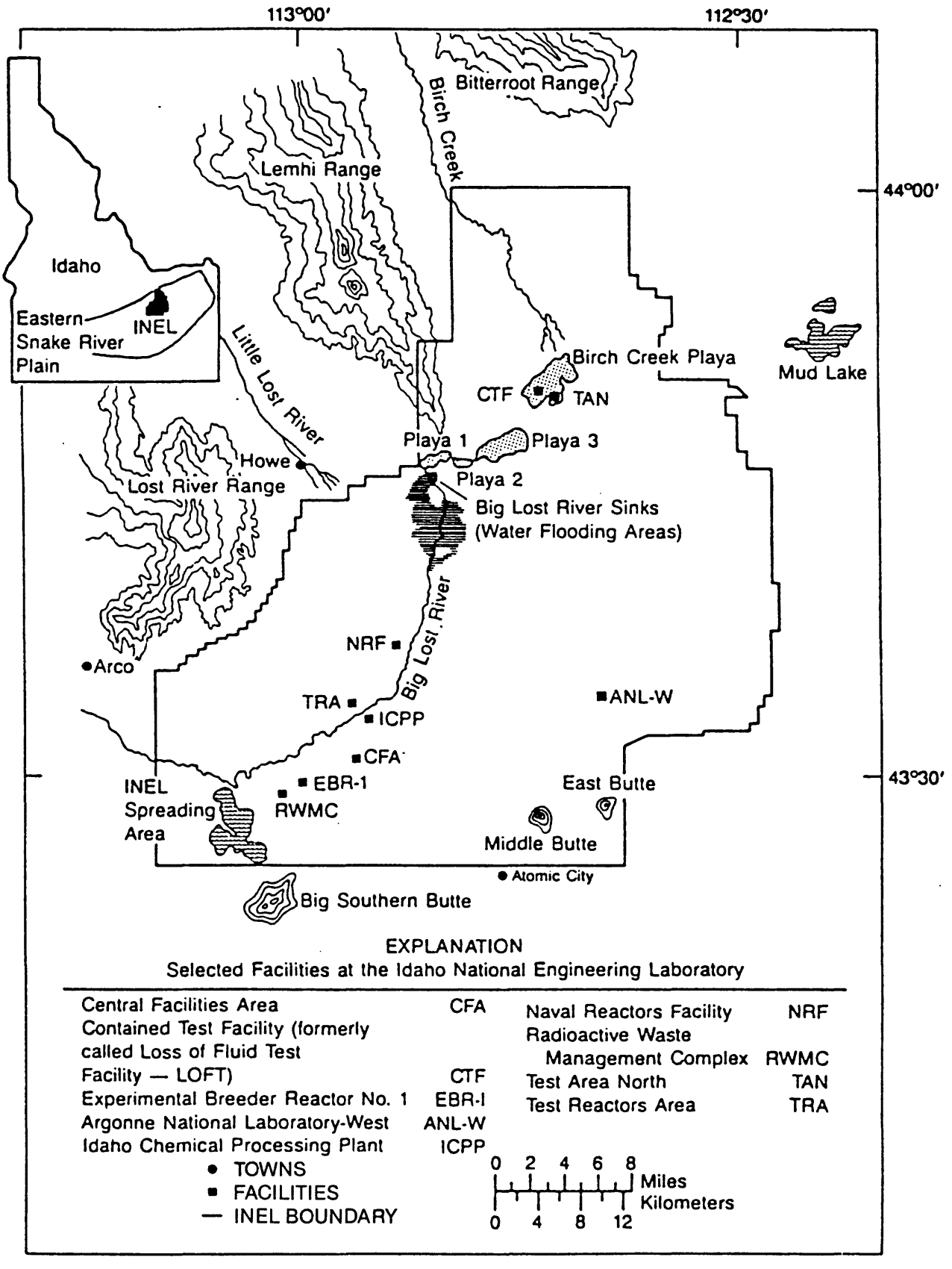

Figure 1.--Location of the Idaho National Engineering Laboratory and selected facilities.

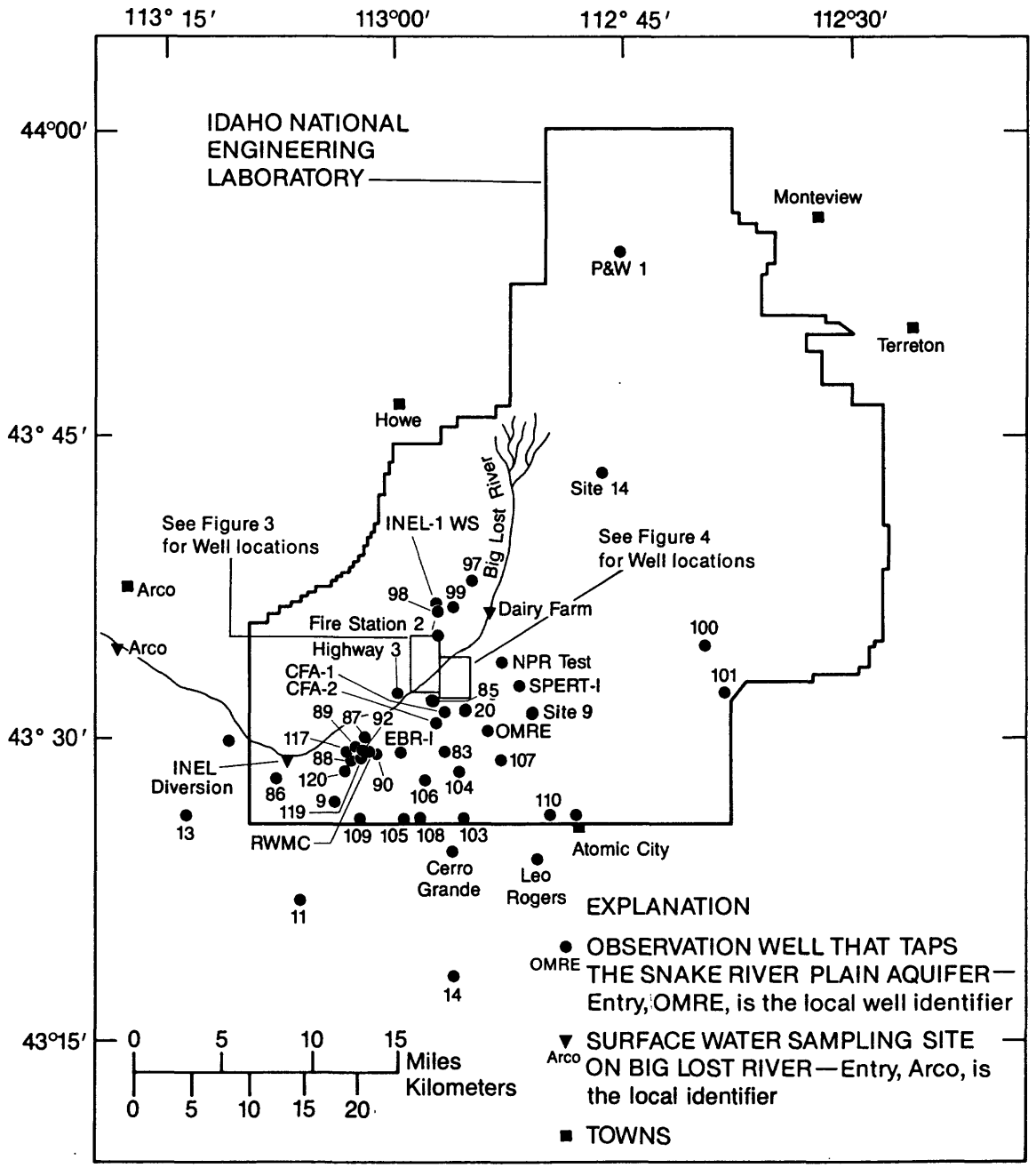

Figure 2.--Location of wells sampled for the quality assurance program, 1980 to 1988.

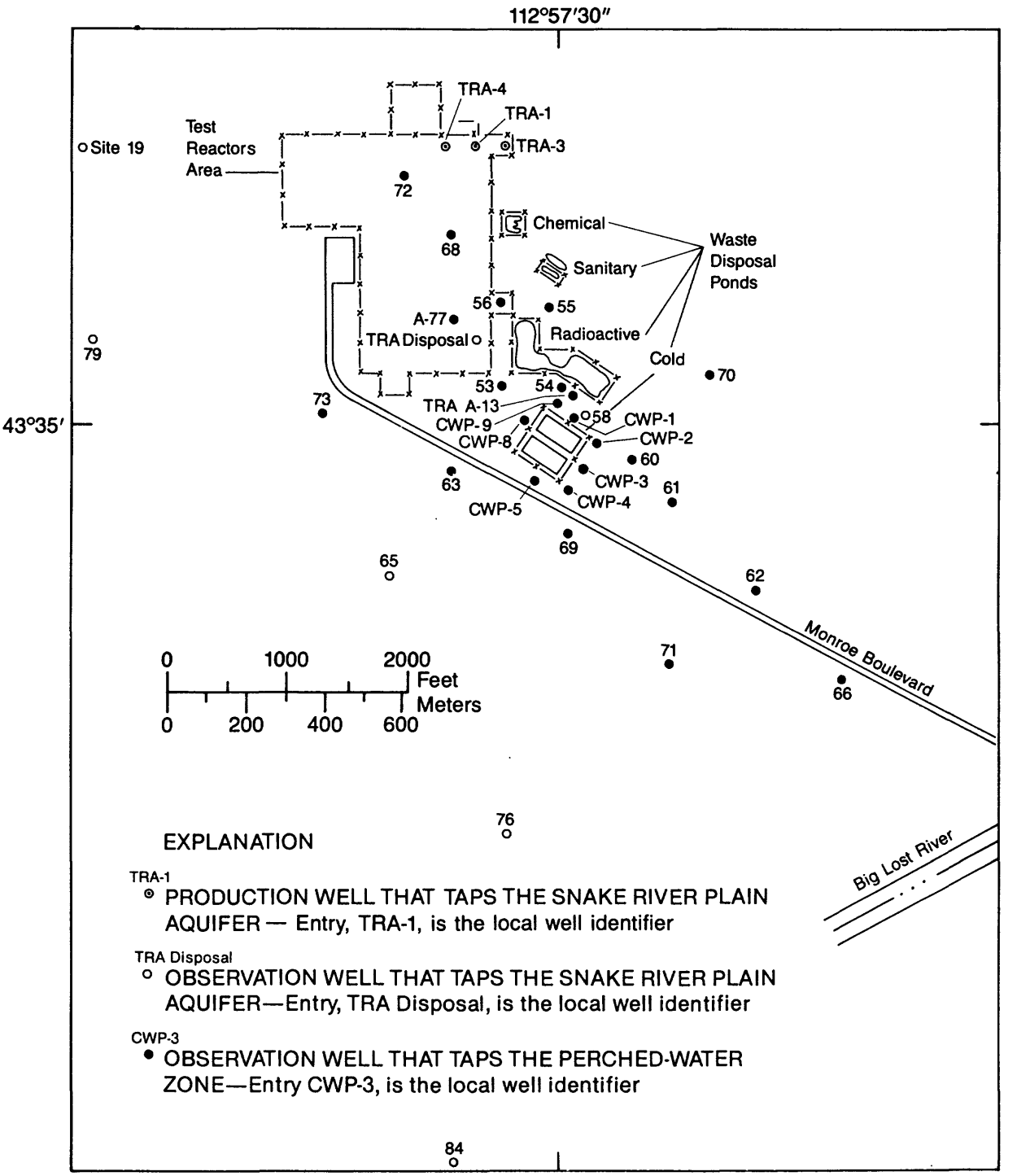

Figure 3.--Location of wells in the vicinity of the Test Reactors Area sampled for the quality assurance program, 1980 to 1988.

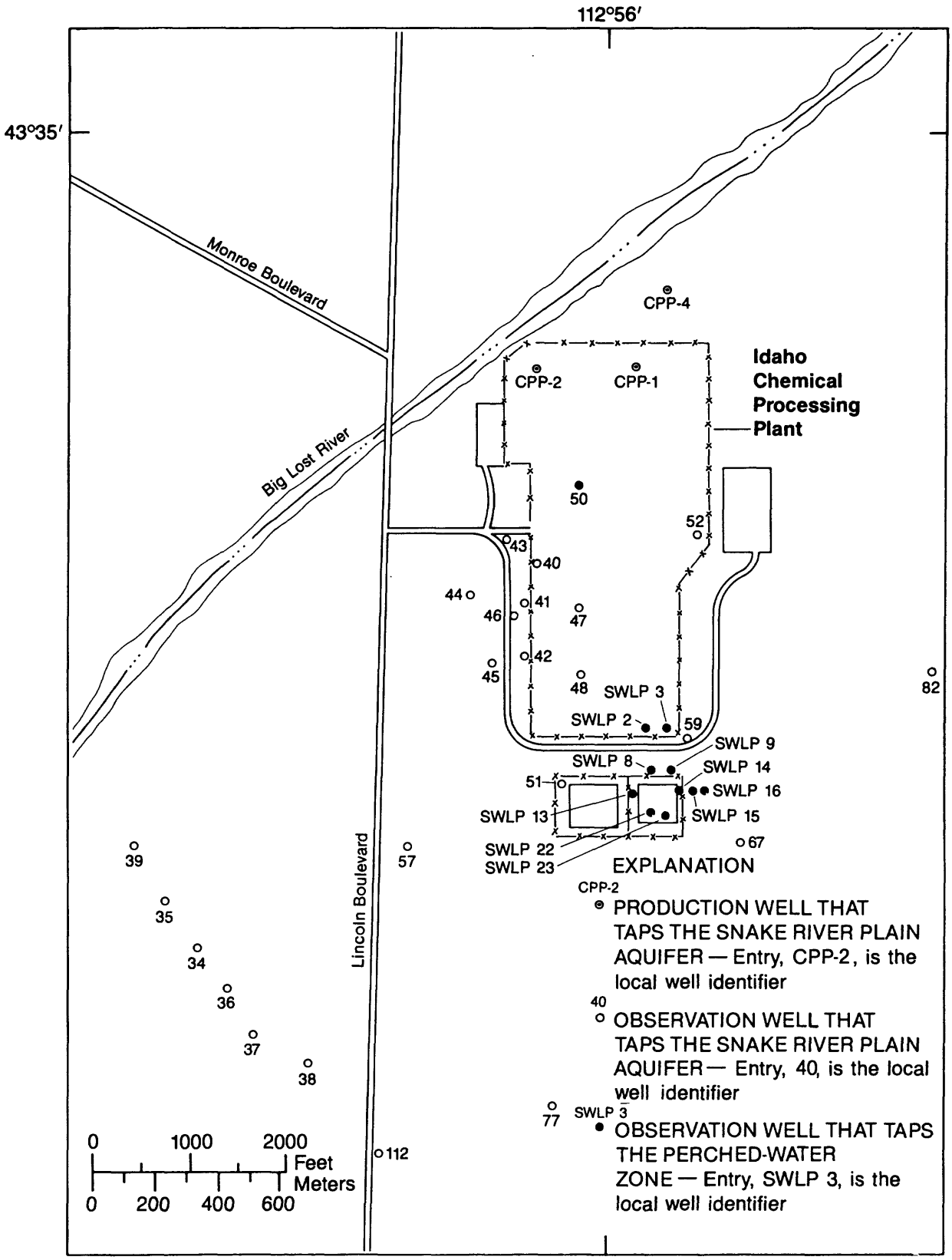

Figure 4.--Location of wells in the vicinity of the Idaho Chemical Processing Plant area sampled for the quality assurance program, 1980 to 1988.

program at the INEL. From 1980 to 1988, multiple samples were collected from selected sites as part of an ongoing quality-assurance program. A statistical comparison of these quality-assurance data was made to evaluate the analytical agreement of laboratory results. This report was prepared by the U.S. Geological Survey in cooperation with the U.S. Department of Energy.

Purpose and Scope

This report compares analytical results of water samples collected as part of the quality assurance program at the INEL and analyzed by five separate laboratories involved in the program. Samples were collected for the quality assurance program from 1980 to 1988. Descriptive statistics were used to evaluate the data for the following constituents and properties: tritium, plutonium-238, plutonium-239, -240 (undivided), strontium-90, americium-241, cesium-137, total dissolved chromium, sodium, chloride, nitrate, and specific conductance. Analytical results from the five laboratories were compared with analytical results from the U.S. Department of Energy's RESL (Radiological and Environmental Sciences Laboratory) at the INEL. Analytical results were also compared within laboratories when possible. Descriptive statistics could not be used to determine agreement between sample pairs for trace metals, some nitrates, purgeable organic compounds, and blank sample analyses because uncertainties were not consistently reported by the various laboratories. However, differences between results for most of these data were calculated.

Geohydrologic Setting

The eastern Snake River Plain is a northeast-trending structural basin about 200 mi long and 50 to 70 mi wide. The plain is underlain by a layered sequence of basaltic lava flows and cinder beds intercalated with fluvial, lacustrine, and eolian deposits of clay, silt, sand, and gravel. Individual flows range from 10 to 50 ft in thickness, although the average thickness ranges from 20 to 25 ft (Mundorff and others, 1964, p. 143). The

sedimentary deposits consist mainly of lenticular beds of sand, silt, and clay with lesser amounts of gravel. Locally, rhyolitic lava flows and tuffs are exposed at the land surface or are present at depth. The basaltic lava flows and intercalated sedimentary deposits form the Snake River Plain aquifer, which is the main source of ground water on the plain. The depth to water in the aquifer relative to land surface ranges from about 200 ft in the northern part of the INEL to as much as 1,000 ft in the southern part (Barraclough and others, 1981, fig. 8).

The INEL obtains its entire water supply from the aquifer. Prior to 1984, most aqueous chemical and radioactive wastes generated at the INEL were injected directly into the aquifer through deep wells (Mann and others, 1988). Since 1984, most of the aqueous wastes have been discharged to unlined infiltration ponds. Many of the waste constituents enter the aquifer indirectly after percolation through the unsaturated zone.

Acknowledgments

The author gratefully acknowledges the many employees of the U.S. Department of Energy and its contractors at the INEL who have aided with the sampling program. Special thanks are due to D.R. Percival of the U.S. Department of Energy for help with the statistical computations and to G.F. Ramsey, formerly with the Idaho Department of Water Resources, for aiding in the collection of water samples and for providing data.

WATER SAMPLING METHODS

The methodology used in collecting water samples and measuring unstable constituents in the field generally followed the guidelines established by Wood (1981), Bodnar and Percival (1982), Claassen (1982), and Feltz and others (1985). These guidelines cover sampling containers and preservatives, decontamination procedures, sample collection, and types of quality assurance samples.

Sampling Containers and Preservatives

Sampling containers and preservatives were supplied by the U.S. Geological Survey's NWQL (National Water Quality Laboratory) in Arvada, Colorado, for samples analyzed by NWQL. Radiochemical sampling containers were purchased by a U.S. Department of Energy contract supplier and preservatives for radiochemical samples were supplied by the RESL. Sampling containers and preservatives for specific constituents are listed in the following table.

Constituent or type of radioactivity	Bottle size and type	Preservative, treatment, or both
Tritium	500 mL polyethylene	untreated
Plutonium-238	1,000 mL polyethylene	acidified with 20 mL reagent-grade hydrochloric acid
Plutonium-239, -240 (undivided)	1,000 mL polyethylene	acidified with 20 mL reagent-grade hydrochloric acid
Strontium-90	500 mL polyethylene	acidified with 10 mL reagent-grade hydrochloric acid
Americium-241	1,000 mL polyethylene	acidified with 20 mL reagent-grade hydrochloric acid
Alpha, Beta, Gamma spectrometry[1]	500 mL polyethylene	acidified with 10 mL reagent-grade hydrochloric acid
Total dissolved chromium	100 mL polyethylene	filtered, acidified with 1 mL reagent-grade hydrochloric acid
Selected trace metals (except mercury)[2]	500 mL acid-rinsed polyethylene	filtered, acidified 2 mL nitric acid
Mercury[2]	250 mL glass acid-rinsed	filtered, 10 mL solution of nitric acid and potassium dichromate
Sodium	500 mL polyethylene	untreated
Chloride	500 mL polyethylene	untreated
Nitrate[2]	250 mL amber polyethylene	filtered, 2 mL mercuric chloride chilled to 4 °C

Constituent or type of radioactivity	Bottle size and type	Preservative, treatment, or both
Nitrate[3]	250 mL polyethylene	filtered, chilled to 4 °C
Selected purgeable organic compounds	4-40 mL baked amber glass vials with inert septum caps	untreated chilled to 4 °C

[1]Cesium-137 is determined by gamma-spectrometry.
[2]Analysis performed by U.S. Geological Survey National Water Quality Laboratory.
[3]Analysis performed by Idaho Chemical Processing Plant Laboratory.

Decontamination Procedures

Equipment used to collect water samples from monitoring wells for chemical or radiochemical analyses may be contaminated by previous samples. Decontamination procedures used at the INEL prior to 1986 consisted of field-rinsing sample-collection equipment with pumped water prior to collecting the sample. Since 1986, decontamination procedures have been modified for wells with and without dedicated submersible pumps.

Wells not equipped with dedicated pumps are sampled either with a thief sampler or a portable submersible pump. The thief sampler is washed with hot water and detergent and rinsed with deionized water prior to use. The portable submersible pump is washed with hot water and detergent and rinsed with distilled water. The outside of the pump's discharge line is rinsed with distilled water; the inside is rinsed with distilled water and well water to ensure that it is as clean as possible. A detailed discussion of techniques used for obtaining well-water samples representative of aquifer water chemistry is presented by Claassen (1982).

Sample Collection

Sample collection procedures varied from 1980 to 1988, although quality assurance sample pairs were always collected in the same manner. The

current U.S. Geological Survey procedures at the INEL ensure that water representative of the Snake River Plain aquifer is sampled. To achieve this, a volume of water equivalent to a minimum of 3 well-bore volumes is pumped from each well; at most wells, 5 to 10 well-bore volumes are pumped prior to collecting the samples. The diameter of the well bore, rather than the diameter of the casing, is used to calculate the minimum purge volume because of the potentially large difference between the two. In addition, temperature, pH, and specific conductance are monitored during pumping, using methods described by Wood (1981). When measurements of these properties indicate probable hydraulic and chemical stability, a water sample is collected by field personnel who wear disposable vinyl gloves and stand where neither the collector nor the sample can become contaminated. The outside of the sample delivery line is rinsed thoroughly with well water before collection of purgeable organic compounds, trace metals, and radiochemical and other constituents.

Purgeable organic compounds.--The sample delivery line is inserted to the bottom of the sample vial and a minimum of three vial volumes are allowed to overflow the vial. The vial is lowered gently; care is taken to ensure that air bubbles do not form in the vial. The vial is capped immediately and inspected for air bubbles; if bubbles are detected, the vial is drained, reflushed, and refilled. The exterior of the vial is dried, labeled, sealed with laboratory film, and stored in an ice chest.

Trace metals.--A 4-liter polyethylene container is thoroughly rinsed with well water before being filled with sample water and allowed to overflow. The exterior of the inert tubing intake for the peristaltic pump is rinsed with sample. The tubing is then inserted into the sample container and the peristaltic pump is started to rinse the interior of the tubing and a new 0.45-micron membrane filter contained in an acrylic filter holder. After 1 liter of sample is pumped through the tubing and the membrane filter, the acid-rinsed bottles are filled with sample and the preservatives added. The bottles are then capped, the caps are sealed with laboratory film, and the bottles are labeled.

Radiochemical and other constituents.--The non-acid-rinsed bottle for the desired constituent is rinsed three times with filtered or raw sample. Samples that require filtering are collected from a 4-liter polyethylene container that is thoroughly rinsed with well water before being filled with sample water and allowed to overflow. The inert tubing intake of the peristaltic pump is rinsed with sample. The tubing is then inserted into the sampling container and the peristaltic pump is started to rinse the interior of the tubing and a new 0.45-micron membrane filter contained in an acrylic filter holder. After 1 liter of sample is pumped through the tubing and membrane filter, bottles are filled with water and the appropriate preservative is added. For the radiochemical samples that are collected in a 1,000-mL polyethylene bottle and acidified, the bottle is acid-rinsed in the laboratory and 20 mL of reagent-grade hydrochloric acid are added to the bottle under a laboratory hood. The sample is then collected by carefully filling the preacidified bottle with water from the well.

Surface-water samples are collected for tritium analyses at mid-channel using the grab sample technique after the sample bottle has been rinsed three times with surface water. The bottles are then capped, the caps are sealed with laboratory film, and the bottles are labeled.

All water samples are stored in a mobile field laboratory until they can be transferred to a secured storage area. After a sufficient number of samples are collected, and before any holding-time limitations are met, they are delivered to the respective laboratories for analyses. Holding-time limitations for nitrates and organics are 8 days and 14 days, respectively. Samples for the NWQL are transported in a sealed ice chest by overnight-delivery mail and usually are sent to the laboratory within 5 days of collection.

Conditions during sample collection at the well or surface-water site are recorded in a field logbook and a chain-of-custody record is used to track samples from the time of collection until delivery to the laboratory. These procedures were instituted in September 1987, and all records since then are available for inspection at the U.S. Geological Survey's Project Office at the INEL.

Types of Quality Control Samples

Quality control samples collected during 1980 to 1988 included:

Duplicate samples	Samples collected at the same time and sent to different laboratories with the same identifier.
Blind replicate samples	Samples collected at the same time and sent to the same laboratory with different identifiers.
Blank samples	Samples of deionized or boiled deionized water sent to laboratories.
Equipment blanks	Samples of the deionized water rinsate used to decontaminate field equipment.
Spiked samples	Samples prepared by combining distilled or deionized water with chemical reagents to produce a known concentration of a constituent.

Sample analyses are summarized in tables 1 to 24 at the end of this report.

QUALITY ASSURANCE PRACTICES

The quality assurance program during 1980 to 1988 consisted of sending quality-control samples to the laboratories and statistically comparing the analytical results for agreement. Analytical results were compared between selected laboratories and the RESL and within individual laboratories. Blank- and spiked-sample analyses were also evaluated. From 1980 to 1987, samples dedicated to quality assurance ranged from 17 to 50 percent. Since 1987, the quality assurance program has consisted of 10 to 15 percent of the total number of samples analyzed. Quality control practices of the NWQL are described by Jones (1987) and the quality assurance practices are described by Friedman and Erdmann (1982). Field personnel also take part in the National Field Quality Assurance Tests administered by the U.S. Geological Survey (Erdmann and Thomas, 1985).

LABORATORIES INVOLVED

Six laboratories were involved in the study between 1980 and 1988. The constituents and physical characteristics reported by each laboratory are listed below.

Radiological and Environmental Sciences Laboratory (RESL)	Radiochemical and chemical constituents, and physical characteristics reported were tritium, plutonium-238, plutonium-239, -240 (undivided), strontium-90, americium-241, total dissolved chromium, gross alpha, gross beta, gamma spectrometry, sodium, chloride, and specific conductance.
Idaho Department of Water Resources Laboratory (IDWR)	Radiochemical and chemical constituents and physical characteristics of duplicate samples analyzed from 1980 to 1985 were tritium, chloride, and specific conductance.
Environmental Analytical Laboratory (EAL)	Radiochemical constituents of duplicate samples analyzed from 1981 to 1985 were plutonium-238, and plutonium-239, -240 (undivided).
Radioactivity Measurements Laboratory (RML)	In 1987, duplicate samples periodically were analyzed for strontium-90.
Idaho Chemical Processing Plant Laboratory (ICPP)	In 1987, water samples periodically were analyzed for nitrate. (Primary source of laboratory analyses.)
National Water Quality Laboratory (NWQL)	Purgeable organic compounds, trace metals, and nitrates were analyzed.

ANALYTICAL METHODS AND REPORTING OF DATA

The analytical methods used by the laboratories for each constituent are listed below, along with the corresponding detection limit.

Constituent, type of radioactivity or physical characteristic	Laboratory	Method	Detection limit
Tritium	RESL	Liquid scintillation	5×10^{-5} μCi/mL
	IDWR	Liquid scintillation	5×10^{-5} μCi/mL
Plutonium-238	RESL	Alpha spectrometry	2×10^{-5} pCi/mL
	EAL	Alpha spectrometry	8×10^{-6} pCi/mL
Plutonium-239, -240 (undivided)	RESL	Alpha spectrometry	2×10^{-5} pCi/mL
	EAL	Alpha spectrometry	8×10^{-6} pCi/mL
Strontium-90	RESL	Low background beta counter	5×10^{-3} pCi/mL
	EAL	Low background beta counter	1×10^{-3} pCi/mL
	RML	Gravimetric	5×10^{-3} pCi/mL
Americium-241	RESL	Alpha Spectrometry	3×10^{-5} pCi/mL
Cesium-137	RESL	Ge(Li)[1]	6×10^{-2} pCi/mL
Total dissolved chromium	RESL	Atomic absorption	5×10^{-5} μCi/mL
Selected trace metals (except mercury)	NWQL	Inductively coupled plasma[2]	10 to 50 μg/mL
Mercury	NWQL	Cold vapor	<1 μg/mL
Sodium	RESL	Ion selective electrode	2 mg/L
Chloride	RESL	Ion selective electrode	2 mg/L
Nitrate	ICPP	Ion chromatography	4 mg/L
	NWQL	Colorimetric auto analyzer	1 mg/L
Selected purgeable organic compounds	NWQL	Gas chromotagraph/mass spectrometry[2]	
Specific conductance	RESL	Direct measurement conductance bridge	sensitivity 1×10^{-6} μS/cm
	IDWR	Direct measurement conductance bridge	sensitivity 1×10^{-6} μS/cm

[1]Lithium-drifted germanium detector.
[2]Value varies depending on constituent.

Laboratory results used for the statistical comparisons were required to meet the following criteria: (1) to be in units that were clearly understood and suitable for the concentration; (2) to be expressed in an appropriate number of significant figures; and (3) to include an associated uncertainty. The greatest inaccuracy in data reporting occurs in the determination of the uncertainty. There are two types of uncertainties, random and systematic. Random uncertainty determines the precision of an analysis and is a measure of its reproducibility in multiple sets of independent measurements. Systematic uncertainties are those sources of inaccuracy which are biased, do not affect precision, and cannot be assessed by statistical methods. Laboratory errors such as a miscalibrated instrument or the use of incorrect conversion factors are common examples. It is the combination of the two types of errors that give the total uncertainty used to estimate the agreement of the data.

Agreement can be calculated from numerous statistical methods including X^2-, T- and F-tests, depending on the characteristics of the data set (U.S. Environmental Protection Agency, 1980). At small concentrations, the lack of agreement between analytical results is primarily due to uncertainties inherent in any attempt to measure the count rate of a random process such as radioactive decay. The consequences of disagreement are not so important at such small concentrations. Agreement usually increases with increasing concentrations.

STATISTICAL COMPARISONS

Comparison of analytical results was made using the following equations taken in part from the U.S. Environmental Protection Agency (1987).

$$R = \frac{x}{y}, \qquad (1)$$

and

$$S_R = R \left[\left(S_x\right)^2 + \left(S_y\right)^2 \right]^{\frac{1}{2}} \qquad (2)$$

where R = ratio of analytical results,

x = analytical result to be compared to analytical result from the RESL,

y = analytical result from the RESL,

S_R = uncertainty in the ratio of analytical results,

S_x = reported uncertainty as a decimal fraction of the analytical result for the corresponding laboratory to be compared to the RESL, and

S_y = reported uncertainty as a decimal fraction of the analytical result for the the RESL.

There is about a 95-percent probability that if $R \pm 2S_R$ includes 1.0, the values are in agreement, or if $R \pm 2S_R$ does not include 1.0, the values are not in agreement. This test determines whether the analytical result of the control sample is significantly different from the sample analyzed by the RESL and is an indication of its accuracy.

An "UND" message in the R column of tables 1-24 indicates that the RESL reported a zero for their result and equation 1 resulted in an undefined number. This does not imply that the pair of analytical results are not in agreement. In such cases, the uncertainty is larger than the result and the result is rounded to zero. Only pairs of analytical results that produced a finite number from equations 1 and 2 were used for the determination of statistical agreement. An "UND" message in the S_R column indicates that either equation 1 resulted in an undefined number or the control lab reported a zero for their result. The laboratory results for all constituents and properties analyzed using descriptive statistics for all usable data pairs showed a mean agreement of 88 percent and a median agreement of 95 percent. The results for each constituent or property are discussed in the following sections.

Radiochemical Constituents

Tritium.--Analytical results were obtained for 993 pairs of samples for comparison between the RESL and IDWR (table 1). Of the 993 pairs, 273 were

not used because equation 1 or 2 resulted in an undefined number. Of the 720 pairs of analytical results used for statistical comparison, 528, or 73 percent, showed statistical agreement. The pairs of analytical results not in statistical agreement had a range of ratios from 3 to 116 percent with a mean ratio of 21 percent, and a median ratio of 14 percent.

Twenty-four blind-replicate samples were sent to the RESL for tritium analysis (table 2). Of the 24 pairs of analytical results, 3 were not used because equation 1 resulted in an undefined number. The remaining 21 pairs of analytical results showed statistical agreement.

Plutonium-238.--Seventeen pairs of analytical results were obtained for comparison between the RESL and EAL (table 3). Of the 17 pairs of analytical results, 5 were not used because equation 1 resulted in an undefined number. Of the 12 pairs of analytical results used for statistical comparison, 11, or 92 percent, showed statistical agreement.

Five blind replicate samples were sent to the RESL for plutonium-238 analyses (table 4). Of the five pairs of analytical results, one was not used because equation 1 resulted in an undefined number. The remaining four pairs of analytical results showed 75 percent statistical agreement. The small number of analytical results may have biased the statistical agreement between analyses.

Plutonium-239, -240 (undivided).--Seventeen pairs of analytical results were obtained for comparison between the RESL and EAL (table 3). Of the 17 pairs of analytical results, 7 were not used because equation 1 resulted in an undefined number. Of the 10 pairs of analytical results used for statistical comparison, 9, or 90 percent, showed statistical agreement.

Five blind replicate samples were sent to the RESL for plutonium-239, -240 (undivided) analyses (table 4). Of the five pairs of analytical results, three were not used because equation 1 resulted in an undefined number. The remaining two pairs of analytical results showed 50 percent statistical agreement. The small number of analytical results may have biased the statistical agreement between analyses.

Strontium-90.--Eighteen pairs of analytical results were obtained for comparison between the RESL and EAL (table 5). Of the 18 pairs of analytical results, 2 were not used because equation 1 resulted in an undefined number. Of the 16 pairs of analytical results used for statistical comparison, 8, or 50 percent, showed statistical agreement.

Five pairs of analytical results were obtained for comparison between the RESL and RML (table 6). Statistical comparison of the data pairs was calculated even though the laboratories used different analytical methods for strontium-90. The RESL used chemical separation of strontium-85 to determine the strontium yield followed by ingrowth and beta counting of the yttrium-90 daughter of strontium-90; RML used gravimetric yield and beta counting for total strontium. RML assumed that all activity was due to strontium-90. There was statistical agreement for the five pairs of analytical results.

Eleven blind replicate samples were sent to the RESL for strontium-90 analyses (table 7). Of the 11 pairs of analytical results, 3 were not used because equation 1 resulted in an undefined number. There was statistical agreement between the remaining 8 pairs of analytical results.

Americium-241.--Five blind replicate samples were sent to the RESL for americium-241 analyses (table 8). There was statistical agreement between the five pairs of analytical results.

Cesium-137.--Eleven blind replicate samples were sent to the RESL for cesium-137 analyses (table 9). Of the 11 pairs of analytical results, one was not used because equation 1 resulted in an undefined number. The remaining 10 pairs of analytical results showed 80 percent statistical agreement.

Inorganic Constituents

Total dissolved chromium.--Seven blind replicate samples were sent to the RESL for total chromium analyses (table 10). Of the seven pairs of

analytical results, five were not used because equation 1 resulted in an undefined number. The remaining two pairs of analytical results showed statistical agreement. The small number of analytical results may have biased the statistical agreement between analyses.

Selected trace metals.--Four blind replicate samples were sent to the NWQL for trace metals analyses (table 11). Samples were analyzed for 9 metals; of 36 data pairs, 34 were identical and 2 had a difference of 1 μg/L.

Sodium.--Eleven blind replicate samples were sent to the RESL for sodium analyses (table 12). All the pairs of analytical results showed statistical agreement.

Chloride.--Analytical results were obtained for 870 pairs of samples for comparison between the RESL and IDWR (table 13). Of the 870 pairs of analytical results, one was not used because equation 1 resulted in an undefined number. Of the 869 pairs of analytical results used for statistical comparison, 810, or 93 percent showed statistical agreement.

Twenty-four blind replicate samples were sent to the RESL for chloride analyses (table 14). The 24 pairs of analytical results showed 96 percent statistical agreement .

Nitrate.--Two blind replicate samples were sent to the ICPP Laboratory for nitrate analyses (table 15). The two pairs of analytical results showed statistical agreement.

Three blind replicate samples were sent to NWQL for nitrate analyses (table 16). Of the three data pairs, one had a difference of .01 mg/L.

Selected Purgeable Organic Compounds

Eleven blind replicate samples were sent to the NWQL for purgeable organic compounds analyses (table 17). Samples were analyzed for nine

compounds. Of 99 data pairs, 84 were identical and 15 had differences ranging from 0.1 to 0.8 μg/L with a mean difference of 0.25 μg/L, and a median difference of 0.2 μg/L.

Blank and Spike Sample Analyses

Blank sample analyses made by the RESL are shown in table 18. Tritium values were large because the deionized water used for the blanks was obtained from wells CFA-1 and CFA-2, which have reportable levels of tritium (Knobel and Mann, 1988). The deionized water used for the "Site 20" blank was obtained from the ICPP Laboratory. The concentrations of nine selected trace metals from blank samples analyzed by the NWQL are recorded in table 19. The concentrations of selected purgeable organic compounds from blank samples analyzed by the NWQL are recorded in table 20. The concentrations of nitrate in blank samples analyzed by the ICPP Laboratory are recorded in table 21. The concentration of nitrate in a blank sample analyzed by the NWQL is recorded in table 22.

Three spiked total dissolved chromium samples were sent to the RESL for analyses (table 23). The three pairs of analytical results showed 67 percent statistical agreement .

Specific Conductance

Analytical results were obtained for 917 pairs of samples for comparison between the RESL and IDWR (table 24). The pairs of analytical results showed 95 percent statistical agreement.

SUMMARY

More than 1,000 water samples from 115 wells and 3 surface water sites were collected between 1980 and 1988 for the ongoing quality assurance program at the INEL. The reported analytical results from the six

laboratories involved were analyzed for agreement using descriptive statistics. The reported chemical and radiochemical constituents and physical properties included: tritium (RESL, IDWR); plutonium-238 (RESL, EAL); plutonium-239, -240 (undivided) (RESL, EAL); strontium-90 (RESL, EAL, RML); americium-241 (RESL); cesium-137 (RESL); total dissolved chromium (RESL); selected trace metals (NWQL); sodium (RESL); chloride (RESL, IDWR); nitrate (ICPP, NWQL); purgeable organic compounds (NWQL); and specific conductance (RESL, IDWR). Agreement could not be calculated for trace metals, some nitrates, purgeable organic compounds, and blank-sample analyses because analytical uncertainties were not consistently reported. However, differences between results for most of these data were calculated.

The pairs of laboratory results were analyzed for agreement between and within the various laboratories using descriptive statistics. The resulting values ranged from 50 to 100 percent statistical agreement for the various constituents and properties studied. The largest agreement values were for RESL blind replicate comparisons of analytical results of sample pairs for strontium-90, americium-241, and sodium, and for the comparison of analytical results of sample pairs between the RESL and RML for strontium-90 analyses. The smallest agreement values were for the comparison of analytical results of sample pairs for the RESL blind replicate plutonium-239, -240 (undivided) samples, and for the comparison of analytical results of sample pairs between the RESL and EAL for strontium-90 analyses. The comparison of laboratory results analyzed using descriptive statistics for all usable data pairs showed a mean ratio of agreement of 88 percent and a median ratio of agreement of 95 percent.

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Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; UND -- statistical equation resulted in an undefined number. Remarks: T -- indicates a thief sample; P -- indicates a perched water sample; B -- indicates a bailer sample; F -- indicates a faucet sample; S -- indicates a surface water sample; all other samples are from the regional aquifer. N -- indicates analytical results not in statistical agreement; Y -- indicates statistical agreement. Negative value of tritium concentration indicates that the activity of the sample was less than the blank used to calibrate the analytical instrument.]

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
8	04/15/82	0.00	0.02	0.01	0.04	UND	UND	T
	10/04/82	0.00	0.02	-0.02	0.04	UND	UND	
	10/07/83	0.00	0.02	0.02	0.02	UND	UND	
	04/27/84	0.01	0.03	0.02	0.04	2.00	7.21	Y
	10/12/84	0.02	0.03	0.02	0.04	1.00	2.50	Y
	04/17/85	0.00	0.03	0.00	0.04	UND	UND	
9	10/08/80	0.00	0.02	0.00	0.04	UND	UND	
	04/02/81	0.00	0.02	0.00	0.04	UND	UND	
	10/09/81	0.02	0.02	0.00	0.04	0.00	UND	
	04/15/82	0.02	0.02	0.04	0.04	2.00	2.83	Y
	10/04/82	0.02	0.02	0.02	0.04	1.00	2.24	Y
	10/07/83	0.02	0.02	0.00	0.02	0.00	UND	
	04/10/84	0.06	0.03	0.04	0.04	0.67	0.75	Y
	10/18/84	0.00	0.30	0.30	0.04	UND	UND	
	04/18/85	0.02	0.03	0.00	0.04	0.00	UND	
11	10/08/80	0.02	0.02	0.06	0.03	3.00	3.35	T,Y
	04/02/81	0.02	0.02	-0.04	0.04	-2.00	2.83	Y
	10/09/81	0.02	0.02	0.00	0.04	0.00	UND	
	04/15/82	0.00	0.02	0.02	0.04	UND	UND	
	10/04/82	0.00	0.02	0.00	0.04	UND	UND	
	10/07/83	0.00	0.02	0.00	0.02	UND	UND	
	04/16/84	0.01	0.03	0.02	0.04	2.00	7.21	Y
	10/05/84	0.00	0.03	0.04	0.04	UND	UND	
	04/17/85	0.00	0.03	0.06	0.04	UND	UND	
13	04/15/82	0.02	0.02	0.02	0.04	1.00	2.24	T,Y
	10/17/83	0.02	0.02	0.00	0.02	0.00	UND	
	04/30/84	0.02	0.03	0.00	0.04	0.00	UND	
	10/17/84	0.00	0.03	0.02	0.04	UND	UND	
	04/17/85	0.00	0.03	0.00	0.04	UND	UND	
14	10/08/80	0.02	0.02	0.00	0.04	0.00	UND	T
	04/02/81	0.00	0.02	0.00	0.04	UND	UND	
	10/09/81	0.04	0.02	0.00	0.04	0.00	UND	
	04/15/82	0.00	0.02	0.00	0.04	UND	UND	
	10/04/82	0.00	0.02	0.00	0.04	UND	UND	
	10/07/83	0.00	0.02	0.00	0.02	UND	UND	
	04/16/84	0.02	0.03	0.00	0.04	0.00	UND	
	10/05/84	0.00	0.03	-0.02	0.04	UND	UND	
	04/17/85	0.00	0.03	-0.02	0.04	UND	UND	
20	10/13/80	1.76	0.04	1.30	0.02	0.74	0.02	T,N
	04/22/81	1.89	0.04	1.65	0.32	0.87	0.17	Y
	10/05/81	1.44	0.04	1.46	0.06	1.01	0.05	Y
	04/09/82	1.53	0.04	1.53	0.09	1.00	0.06	Y
	10/06/82	1.35	0.04	1.44	0.03	1.07	0.04	Y
	10/11/83	1.44	0.04	1.46	0.06	1.01	0.05	Y
	04/11/84	1.52	0.05	1.52	0.04	1.00	0.04	Y
	10/03/84	1.66	0.05	1.67	0.04	1.01	0.04	Y
	04/18/85	1.66	0.06	1.78	0.04	1.07	0.05	Y
22	10/13/80	0.02	0.02	0.03	0.04	1.50	2.50	T,Y
	04/15/81	0.04	0.02	0.04	0.04	1.00	1.12	Y
	10/06/81	0.04	0.02	0.07	0.04	1.75	1.33	Y
	04/08/82	0.02	0.02	0.02	0.04	1.00	2.24	Y

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
22	10/05/82	0.02	0.02	0.02	0.04	1.00	2.24	Y
	10/05/83	0.02	0.02	0.04	0.02	2.00	2.24	Y
	04/12/84	0.05	0.03	0.00	0.04	0.00	UND	
	10/12/84	0.00	0.03	0.04	0.04	UND	UND	
	04/18/85	0.02	0.03	0.06	0.04	3.00	4.92	Y
34	10/17/80	1.03	0.04	0.80	0.01	0.78	0.03	T,N
	04/17/81	0.90	0.04	0.87	0.02	0.97	0.05	Y
	04/09/82	0.81	0.02	0.85	0.05	1.05	0.07	Y
	10/07/82	0.65	0.04	0.07	0.04	0.11	0.06	N
	10/13/83	0.65	0.04	0.72	0.04	1.11	0.09	Y
	04/10/84	0.55	0.04	0.65	0.04	1.18	0.11	Y
	10/09/84	0.55	0.04	0.68	0.04	1.24	0.12	Y
	04/22/85	0.81	0.05	0.88	0.04	1.09	0.08	Y
35	10/17/80	0.97	0.04	0.72	0.04	0.74	0.05	T,N
	04/17/81	0.90	0.04	0.90	0.02	1.00	0.05	Y
	10/08/81	0.79	0.04	0.83	0.07	1.05	0.10	Y
	04/09/82	0.81	0.02	0.84	0.04	1.04	0.06	Y
	10/07/82	0.70	0.04	0.73	0.04	1.04	0.08	Y
	10/13/83	0.41	0.04	0.47	0.04	1.15	0.15	Y
	04/10/84	0.49	0.04	0.49	0.04	1.00	0.12	Y
	10/09/84	0.43	0.04	0.47	0.04	1.09	0.14	Y
	04/22/85	0.31	0.04	0.28	0.04	0.90	0.17	Y
36	10/17/80	5.70	0.08	4.30	0.08	0.75	0.02	T,N
	04/17/81	3.92	0.06	3.65	0.07	0.93	0.02	N
	10/08/81	5.11	0.08	5.17	0.15	1.01	0.03	Y
	04/09/82	3.22	0.06	3.02	0.05	0.94	0.02	N
	10/07/82	1.94	0.06	2.03	0.04	1.05	0.04	Y
	10/13/83	4.80	0.06	5.08	0.10	1.06	0.02	N
	04/10/84	4.43	0.08	4.60	0.09	1.04	0.03	Y
	10/09/84	4.43	0.08	4.25	0.09	0.96	0.03	Y
	04/22/85	4.41	0.10	4.44	0.09	1.01	0.03	Y
37	10/13/80	8.11	0.08	6.40	0.20	0.79	0.03	N
	01/14/81	6.98	0.09	6.63	0.06	0.95	0.01	N
	04/17/81	6.04	0.80	5.54	0.11	0.92	0.12	Y
	07/14/81	5.31	0.08	4.46	0.02	0.84	0.01	N
	10/07/81	7.12	0.08	7.24	0.18	1.02	0.03	Y
	01/11/82	7.45	0.09	6.94	0.13	0.93	0.02	N
	04/09/82	7.79	0.08	8.02	0.17	1.03	0.02	Y
	07/06/82	7.52	0.08	7.12	0.22	0.95	0.03	Y
	10/07/82	6.82	0.08	7.05	0.05	1.03	0.01	N
	10/10/83	7.16	0.08	7.43	0.14	1.04	0.02	Y
	01/13/84	8.68	0.10	8.62	0.17	0.99	0.02	Y
	04/17/84	7.72	0.10	7.50	0.15	0.97	0.02	Y
	10/10/84	4.60	0.08	4.67	0.09	1.02	0.03	Y
	04/26/85	3.83	0.09	3.95	0.08	1.03	0.03	Y
	07/11/85	3.63	0.09	3.79	0.09	1.04	0.04	T,Y
38	10/17/80	8.78	0.11	6.92	0.12	0.79	0.02	N
	04/17/81	6.82	0.08	6.30	0.06	0.92	0.01	N
	04/09/82	9.44	0.11	9.53	0.09	1.01	0.02	Y
	10/07/82	7.41	0.08	7.76	0.05	1.05	0.01	N
	10/13/83	7.09	0.09	7.35	0.14	1.04	0.02	Y
	04/10/84	9.14	0.11	9.20	0.19	1.01	0.02	Y
	10/09/84	6.67	0.09	6.40	0.13	0.96	0.02	Y
	04/22/85	6.08	0.12	5.88	0.11	0.97	0.03	Y
39	10/17/80	1.06	0.04	0.78	0.01	0.74	0.03	T,N
	04/17/81	0.99	0.04	0.90	0.02	0.91	0.04	N
	10/08/81	0.97	0.04	0.89	0.02	0.92	0.04	Y
	04/09/82	0.88	0.04	0.92	0.07	1.05	0.09	Y
	10/07/82	0.70	0.04	0.72	0.04	1.03	0.08	Y

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
39	10/13/83	0.36	0.04	0.41	0.04	1.14	0.17	Y
	04/10/84	0.39	0.04	0.47	0.04	1.21	0.16	Y
	10/09/84	0.34	0.04	0.42	0.04	1.24	0.19	Y
	04/22/85	0.27	0.04	0.31	0.04	1.15	0.23	Y
40	04/13/80	1.84	0.06	1.44	0.07	0.78	0.05	N
	01/14/81	20.50	0.20	19.10	0.50	0.93	0.03	N
	04/09/81	43.10	0.20	36.50	1.50	0.85	0.04	N
	07/14/81	21.50	0.20	17.40	0.30	0.81	0.02	N
	10/12/81	8.63	0.10	8.80	0.22	1.02	0.03	Y
	01/20/82	7.25	0.15	6.30	0.12	0.87	0.02	N
	04/09/82	4.21	0.06	4.29	0.03	1.02	0.02	Y
	07/06/82	1.96	0.06	2.13	0.11	1.09	0.07	Y
	10/07/82	5.83	0.08	5.16	0.15	0.89	0.03	N
	10/10/83	4.80	0.08	4.95	0.08	1.03	0.02	Y
	01/10/84	1.76	0.05	1.74	0.04	0.99	0.04	Y
	04/17/84	1.76	0.05	1.81	0.03	1.03	0.03	Y
	10/16/84	2.97	0.07	2.85	0.06	0.96	0.03	Y
	01/08/85	2.42	0.07	2.44	0.06	1.01	0.04	Y
	04/29/85	1.67	0.06	1.87	0.04	1.12	0.05	N
	07/12/85	1.70	0.06	1.87	0.06	1.10	0.05	Y
41	10/24/80	4.95	0.06	4.00	0.03	0.81	0.01	T,N
	04/24/81	11.60	0.20	11.00	0.20	0.95	0.02	N
	10/08/81	7.72	0.08	7.94	0.25	1.03	0.03	Y
	04/09/82	8.04	0.08	7.94	0.31	0.99	0.04	Y
	10/06/82	1.76	0.04	1.94	0.05	1.10	0.04	N
	10/12/83	2.46	0.05	2.49	0.05	1.01	0.03	Y
	04/10/84	2.27	0.06	2.37	0.05	1.04	0.04	Y
	10/16/84	0.43	0.04	0.44	0.04	1.02	0.13	Y
	04/23/85	3.17	0.08	3.79	0.08	1.20	0.04	N
42	10/24/80	1.58	0.04	1.24	0.04	0.78	0.03	T,N
	04/24/81	6.73	0.08	6.65	0.12	0.99	0.02	Y
	10/08/81	9.98	0.10	10.60	0.05	1.06	0.01	N
	04/09/82	8.65	0.08	8.62	0.27	1.00	0.03	Y
	10/06/82	1.17	0.04	1.30	0.04	1.11	0.05	N
	10/12/83	10.30	0.20	10.70	0.30	1.04	0.04	Y
	04/10/84	5.20	0.08	5.49	0.11	1.06	0.03	Y
	10/16/84	0.91	0.05	1.26	0.04	1.38	0.09	N
	04/23/85	1.36	0.05	1.49	0.04	1.10	0.05	Y
43	10/13/80	6.85	0.08	5.30	0.03	0.77	0.01	N
	01/14/81	7.97	0.09	6.71	0.09	0.84	0.01	N
	04/09/81	20.60	0.20	20.20	0.40	0.98	0.02	Y
	10/06/81	7.23	0.08	8.07	0.32	1.12	0.05	N
	04/09/82	4.82	0.06	4.99	0.16	1.04	0.04	Y
	10/07/82	1.76	0.04	1.95	0.04	1.11	0.03	N
	04/17/84	0.88	0.04	0.82	0.04	0.93	0.06	Y
	10/16/84	0.94	0.05	0.96	0.04	1.02	0.07	Y
	04/29/85	0.23	0.04	0.24	0.04	1.04	0.25	Y
44	10/24/80	4.64	0.06	3.65	0.05	0.79	0.01	T,N
	04/24/81	40.20	0.20	34.50	0.80	0.86	0.02	N
	10/08/81	14.30	0.10	14.30	0.10	1.00	0.01	Y
	04/16/82	8.94	0.11	8.56	0.08	0.96	0.01	N
	10/06/82	1.64	0.04	1.90	0.04	1.16	0.04	N
	10/12/83	9.50	0.11	9.83	0.20	1.03	0.02	Y
	04/10/84	0.87	0.04	0.96	0.04	1.10	0.07	Y
	10/09/84	1.04	0.05	2.24	0.10	2.15	0.14	N
	04/22/85	0.69	0.04	0.42	0.04	0.61	0.07	N
45	10/24/80	6.37	0.08	5.20	0.10	0.82	0.02	T,N
	04/24/81	19.50	0.20	18.00	0.30	0.92	0.02	N
	10/06/81	15.30	0.10	15.20	0.40	0.99	0.03	Y

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
45	04/16/82	9.98	0.11	9.54	0.10	0.96	0.01	N
	10/06/82	4.30	0.06	4.67	0.10	1.09	0.03	N
	10/12/83	9.44	0.11	9.62	0.19	1.02	0.02	Y
	04/10/84	1.75	0.05	1.98	0.04	1.13	0.04	N
	10/09/84	0.95	0.05	0.89	0.04	0.94	0.06	Y
	04/22/85	1.24	0.05	1.66	0.04	1.34	0.06	N
46	10/24/80	4.57	0.06	5.00	0.10	1.09	0.03	T,N
	04/24/81	37.10	0.20	32.00	1.50	0.86	0.04	N
	10/05/81	12.30	0.10	11.90	0.50	0.97	0.04	Y
	04/16/82	6.67	0.08	6.31	0.06	0.95	0.01	N
	10/06/82	1.89	0.04	2.01	0.04	1.06	0.03	Y
	10/12/83	9.12	0.11	9.66	0.18	1.06	0.02	N
	04/13/84	3.91	0.07	3.92	0.07	1.00	0.03	Y
	10/09/84	2.74	0.06	2.28	0.05	0.83	0.03	N
	04/22/85	1.77	0.06	1.88	0.04	1.06	0.04	Y
47	10/13/80	2.79	0.06	2.28	0.09	0.82	0.04	N
	01/14/81	1.82	0.09	1.82	0.09	1.00	0.07	Y
	04/09/81	30.10	0.30	29.00	0.80	0.96	0.03	Y
	07/14/81	3.27	0.06	2.69	0.05	0.82	0.02	N
	10/08/81	2.79	0.06	2.61	0.13	0.94	0.05	Y
	01/07/82	2.72	0.06	2.63	0.05	0.97	0.03	Y
	04/09/82	2.39	0.06	2.48	0.05	1.04	0.03	Y
	07/06/82	1.85	0.06	1.82	0.03	0.98	0.04	Y
	10/07/82	1.53	0.04	1.54	0.03	1.01	0.03	Y
	10/17/83	7.30	0.09	7.62	0.14	1.04	0.02	Y
	01/17/84	2.31	0.06	2.33	0.05	1.01	0.03	Y
	04/11/84	3.77	0.07	4.04	0.08	1.07	0.03	N
	10/23/84	1.40	0.05	1.52	0.04	1.09	0.05	Y
	01/14/85	1.58	0.06	1.60	0.04	1.01	0.05	Y
	04/23/85	1.70	0.06	1.76	0.08	1.04	0.06	Y
	07/10/85	0.88	0.05	0.86	0.05	0.98	0.08	Y
48	10/27/80	2.25	0.04	1.68	0.03	0.75	0.02	T,N
	04/20/81	7.12	0.08	6.54	0.01	0.92	0.01	N
	10/06/81	3.31	0.06	3.36	0.14	1.02	0.05	Y
	04/16/82	2.97	0.06	2.82	0.05	0.95	0.03	Y
	10/08/82	1.98	0.04	2.00	0.04	1.01	0.03	Y
	10/20/83	4.08	0.08	4.10	0.08	1.00	0.03	Y
	04/18/84	1.51	0.05	1.60	0.07	1.06	0.06	Y
	10/23/84	1.02	0.05	1.11	0.04	1.09	0.07	Y
	04/23/85	3.06	0.08	2.26	0.05	0.74	0.03	N
50	10/27/80	21.80	0.20	20.00	0.40	0.92	0.02	T,N
	01/16/81	23.60	0.20	23.70	0.50	1.00	0.02	Y
	04/20/81	2.20	0.02	2.10	0.05	0.95	0.02	N
	07/14/81	21.50	0.20	18.00	0.40	0.84	0.02	N
	10/06/81	19.60	0.10	20.10	0.30	1.03	0.02	Y
	01/20/82	18.40	0.20	17.40	0.30	0.95	0.02	N
	04/16/82	19.20	0.20	18.50	0.30	0.96	0.02	Y
	07/07/82	18.10	0.20	18.50	0.90	1.02	0.05	Y
	10/08/82	17.00	0.20	18.90	0.30	1.11	0.02	N
	10/18/83	16.90	0.20	17.80	0.30	1.05	0.02	N
	01/13/84	16.60	0.20	16.50	0.30	0.99	0.02	Y
	04/13/84	16.60	0.20	17.20	0.40	1.04	0.03	Y
	10/23/84	15.90	0.20	16.00	0.40	1.01	0.03	Y
	01/10/85	15.60	0.30	16.20	0.30	1.04	0.03	Y
	04/23/85	15.40	0.30	15.90	0.40	1.03	0.03	Y
	07/12/85	15.50	0.30	16.10	0.30	1.04	0.03	Y
51	10/24/80	2.41	0.06	1.66	0.05	0.69	0.03	N
	04/24/81	2.41	0.06	2.32	0.08	0.96	0.04	Y
	10/06/81	2.16	0.06	2.16	0.05	1.00	0.04	Y

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
51	04/16/82	2.36	0.06	2.26	0.04	0.96	0.03	Y
	10/06/82	2.16	0.40	2.46	0.06	1.14	0.21	Y
	10/13/83	2.27	0.06	2.40	0.12	1.06	0.06	Y
	04/11/84	2.30	0.06	2.25	0.07	0.98	0.04	Y
	10/10/84	2.30	0.06	2.21	0.04	0.96	0.03	Y
	04/22/85	2.01	0.06	2.08	0.05	1.03	0.04	Y
52	10/24/80	9.17	0.11	8.00	0.04	0.87	0.01	T,N
	04/24/81	17.50	0.20	16.50	0.30	0.94	0.02	N
	10/06/81	12.60	0.10	12.60	0.50	1.00	0.04	Y
	04/09/82	10.20	0.20	10.30	0.20	1.01	0.03	Y
	10/06/82	3.45	0.06	3.62	0.09	1.05	0.03	Y
	10/13/83	9.21	0.11	9.60	0.18	1.04	0.02	Y
	04/11/84	3.23	0.07	3.25	0.04	1.01	0.03	Y
	10/10/84	1.45	0.05	1.31	0.04	0.90	0.04	N
	04/23/85	2.14	0.07	2.55	0.06	1.19	0.05	N
53	10/27/80	47.60	0.20	28.60	0.20	0.60	0.00	P,N
	04/24/81	76.10	0.30	61.00	1.20	0.80	0.02	N
	10/12/81	75.70	0.30	79.90	1.90	1.06	0.03	Y
	04/16/82	105.00	1.00	105.00	2.00	1.00	0.02	Y
	10/11/82	94.60	2.00	105.00	2.00	1.11	0.03	N
	10/14/83	152.00	1.00	167.00	3.00	1.10	0.02	N
	04/10/84	146.00	2.00	144.00	3.00	0.99	0.02	Y
	10/15/84	104.00	1.00	103.00	2.00	0.99	0.02	Y
	04/24/85	185.00	3.00	198.00	4.00	1.07	0.03	N
54	10/27/80	48.50	0.20	40.00	0.20	0.82	0.01	P,N
	01/16/81	58.20	0.30	58.70	0.30	1.01	0.01	Y
	04/24/81	64.70	0.30	61.90	0.90	0.96	0.01	N
	07/14/81	71.10	0.30	59.90	1.20	0.84	0.02	N
	10/06/81	72.70	0.30	76.40	1.30	1.05	0.02	N
	01/20/82	73.20	0.30	75.00	1.50	1.02	0.02	Y
	04/16/82	47.00	0.20	47.40	0.60	1.01	0.01	Y
	07/07/82	38.60	0.20	42.30	0.80	1.10	0.02	N
	10/11/82	20.50	0.20	22.80	0.40	1.11	0.02	N
	10/14/83	2.70	0.06	2.99	0.09	1.11	0.04	N
	01/12/84	0.14	0.04	0.71	0.04	5.07	1.48	N
	04/13/84	0.85	0.04	1.08	0.03	1.27	0.07	N
	10/15/84	0.38	0.04	0.48	0.04	1.26	0.17	Y
	01/08/85	3.16	0.08	3.20	0.06	1.01	0.03	Y
	04/24/85	15.50	0.30	16.80	0.30	1.08	0.03	N
	07/09/85	0.22	0.04	0.39	0.04	1.77	0.37	N
55	10/27/80	0.99	0.04	0.80	0.04	0.81	0.05	P,N
	04/24/81	1.51	0.04	1.35	0.11	0.89	0.08	Y
	10/12/81	4.10	0.20	5.50	0.60	1.34	0.16	N
	04/16/82	19.00	0.20	16.20	0.30	0.85	0.02	N
	10/11/82	2.45	0.06	2.60	0.06	1.06	0.04	Y
	10/21/83	1.17	0.04	1.20	0.02	1.03	0.04	Y
	01/11/84	1.29	0.05	1.18	0.04	0.91	0.05	Y
	04/24/84	0.65	0.04	0.75	0.04	1.15	0.09	Y
	10/15/84	0.74	0.04	0.81	0.04	1.09	0.08	Y
	04/24/85	0.95	0.05	1.02	0.04	1.07	0.07	Y
56	10/27/80	39.00	0.20	30.00	0.20	0.77	0.01	P,N
	04/24/81	37.20	0.20	33.50	1.20	0.90	0.03	N
	10/12/81	14.50	0.20	14.80	0.50	1.02	0.04	Y
	04/16/82	171.00	1.00	163.00	3.00	0.95	0.02	N
	10/11/82	110.00	1.00	123.00	1.00	1.12	0.01	N
	10/21/83	141.00	1.00	149.00	3.00	1.06	0.02	N
	04/18/84	185.00	1.00	130.00	3.00	0.70	0.02	N
	10/23/84	124.00	1.00	124.00	3.00	1.00	0.03	Y
	04/23/85	50.10	0.70	51.50	1.10	1.03	0.03	Y

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
57	10/24/80	7.66	0.08	6.10	0.03	0.80	0.01	N
	01/14/81	6.87	0.08	6.20	0.10	0.90	0.02	N
	04/24/81	9.46	0.10	9.10	0.11	0.96	0.02	Y
	07/13/81	17.90	0.20	14.30	0.30	0.80	0.02	N
	10/05/81	15.50	0.10	15.20	1.20	0.98	0.08	Y
	01/20/82	12.40	0.20	12.40	0.30	1.00	0.03	Y
	04/16/82	10.70	0.20	10.00	0.30	0.93	0.03	N
	10/06/82	7.29	0.08	7.81	0.16	1.07	0.02	N
	10/13/83	17.10	0.20	18.10	0.30	1.06	0.02	N
	04/11/84	8.63	0.10	8.69	0.19	1.01	0.02	Y
	10/10/84	5.53	0.09	5.12	0.10	0.93	0.02	N
	04/22/85	4.43	0.10	4.45	0.09	1.00	0.03	Y
58	10/16/80	0.90	0.04	0.74	0.06	0.82	0.08	N
	04/24/81	0.52	0.02	0.60	0.02	1.15	0.06	N
	10/08/81	0.38	0.04	0.40	0.03	1.05	0.14	Y
	10/08/82	0.29	0.02	0.33	0.06	1.14	0.22	Y
	10/14/83	0.25	0.02	0.25	0.04	1.00	0.18	Y
	04/18/84	0.27	0.04	0.34	0.04	1.26	0.24	Y
	10/15/84	0.32	0.03	0.49	0.04	1.53	0.19	N
	04/24/85	1.82	0.06	1.57	0.03	0.86	0.03	N
59	10/24/80	3.15	0.06	2.60	0.03	0.83	0.02	N
	04/24/81	8.19	0.08	7.50	0.14	0.92	0.02	N
	10/06/81	2.97	0.06	2.83	0.03	0.95	0.02	N
	04/16/82	2.99	0.06	2.84	0.10	0.95	0.04	Y
	10/06/82	2.52	0.04	2.67	0.12	1.06	0.05	Y
	10/13/83	5.97	0.09	6.54	0.14	1.10	0.03	N
	04/11/84	4.81	0.08	5.25	0.11	1.09	0.03	N
	10/10/84	1.41	0.05	1.37	0.04	0.97	0.04	Y
	04/22/85	2.98	0.08	3.14	0.10	1.05	0.04	Y
60	04/16/82	5.35	0.02	5.29	0.05	0.99	0.01	P,Y
	07/07/82	7.52	0.08	8.13	0.16	1.08	0.02	N
	10/11/82	0.52	0.02	0.69	0.04	1.33	0.09	N
	10/14/83	0.34	0.02	0.39	0.04	1.15	0.14	Y
	01/12/84	0.18	0.03	0.23	0.04	1.28	0.31	Y
	04/13/84	0.26	0.03	0.31	0.04	1.19	0.21	Y
	10/11/84	0.02	0.03	0.06	0.04	3.00	4.92	Y
	01/11/85	0.07	0.03	0.08	0.04	1.14	0.75	Y
	04/24/85	0.06	0.03	0.11	0.04	1.83	1.13	Y
	07/09/85	0.01	0.03	0.06	0.04	6.00	18.44	Y
61	04/16/82	26.20	0.20	26.10	0.80	1.00	0.03	P,Y
	10/11/82	32.00	0.20	35.60	0.60	1.11	0.02	N
	10/14/83	20.90	0.40	20.60	0.40	0.99	0.03	Y
	04/14/84	13.70	0.20	14.00	0.30	1.02	0.03	Y
	10/18/84	11.50	0.20	4.65	0.12	0.40	0.01	N
	04/24/85	7.63	0.15	8.25	0.18	1.08	0.03	N
62	04/16/82	25.90	0.20	25.40	0.40	0.98	0.02	P,Y
	10/11/82	5.52	0.08	7.98	0.16	1.45	0.04	N
	10/14/83	1.85	0.04	2.25	0.05	1.22	0.04	N
	04/13/84	5.92	0.09	5.90	0.11	1.00	0.02	Y
	10/18/84	3.08	0.07	13.00	0.30	4.22	0.14	N
	04/24/85	1.80	0.06	2.17	0.05	1.21	0.05	N
63	04/16/82	14.10	0.20	13.90	0.40	0.99	0.03	P,Y
	10/11/82	0.77	0.04	0.69	0.04	0.90	0.07	Y
	10/18/83	0.95	0.04	0.90	0.04	0.95	0.06	Y
	04/16/84	0.87	0.05	0.90	0.04	1.03	0.08	Y
	10/16/84	0.63	0.04	0.67	0.04	1.06	0.09	Y
	04/24/85	0.11	0.03	0.14	0.04	1.27	0.50	Y
65	10/13/80	14.20	0.10	11.00	0.20	0.77	0.02	N
	01/14/81	13.80	0.20	12.60	0.30	0.91	0.03	N

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
65	04/09/81	13.70	0.20	12.60	0.20	0.92	0.02	N
	07/14/81	12.80	0.20	10.50	0.20	0.82	0.02	N
	10/07/81	12.40	0.10	12.30	0.20	0.99	0.02	Y
	01/07/82	11.90	0.20	11.90	0.20	1.00	0.02	Y
	04/09/82	12.40	0.20	12.50	0.50	1.01	0.04	Y
	07/06/82	11.50	0.20	12.00	0.30	1.04	0.03	Y
	10/07/82	11.30	0.20	12.00	0.20	1.06	0.03	Y
	10/10/83	11.30	0.20	11.50	0.20	1.02	0.03	Y
	01/16/84	11.30	0.20	11.20	0.20	0.99	0.02	Y
	04/17/84	11.20	0.20	10.80	0.30	0.96	0.03	Y
	10/17/84	10.70	0.10	10.50	0.30	0.98	0.03	Y
	01/10/85	10.70	0.20	10.90	0.20	1.02	0.03	Y
	04/24/85	10.30	0.20	10.10	0.30	0.98	0.03	Y
	07/11/85	10.20	0.20	10.40	0.20	1.02	0.03	Y
66	10/12/81	11.00	0.10	11.00	0.50	1.00	0.05	T,Y
	10/18/83	9.91	0.11	11.00	0.40	1.11	0.04	N
	04/12/84	12.40	0.20	12.50	0.30	1.01	0.03	Y
	10/16/84	10.50	0.10	10.70	0.40	1.02	0.04	Y
	04/26/85	11.20	0.20	11.00	0.30	0.98	0.03	Y
67	10/13/80	14.50	0.10	11.80	0.30	0.81	0.02	N
	01/14/81	12.40	0.20	11.60	0.20	0.94	0.02	N
	04/09/81	11.90	0.20	11.10	0.90	0.93	0.08	Y
	10/06/81	15.60	0.10	15.60	0.30	1.00	0.02	Y
	04/08/82	14.10	0.20	14.10	0.30	1.00	0.03	Y
	10/07/82	10.00	0.10	10.80	0.30	1.08	0.03	N
	10/10/83	17.90	0.20	17.70	0.50	0.99	0.03	Y
	04/12/84	12.30	0.20	12.00	0.30	0.98	0.03	Y
	10/17/84	5.14	0.08	5.15	0.15	1.00	0.03	Y
	04/24/85	2.85	0.08	2.91	0.06	1.02	0.04	Y
68	10/27/80	0.02	0.02	0.04	0.04	2.00	2.83	P,Y
	01/16/81	0.02	0.02	0.00	0.04	0.00	UND	
	04/20/81	0.00	0.02	-0.04	0.04	UND	UND	
	07/14/81	0.02	0.02	0.05	0.04	2.50	3.20	Y
	10/12/81	0.00	0.02	-0.02	0.04	UND	UND	
	01/20/82	0.00	0.02	-0.04	0.04	UND	UND	
	04/16/82	0.00	0.02	-0.04	0.04	UND	UND	
	07/07/82	-0.02	0.02	-0.02	0.02	1.00	1.41	Y
	10/11/82	0.02	0.02	0.00	0.04	0.00	UND	
	10/21/83	0.00	0.02	0.00	0.02	UND	UND	
	01/16/84	0.03	0.02	0.00	0.04	0.00	UND	
	04/18/84	0.03	0.03	0.02	0.04	0.67	1.49	Y
	10/23/84	0.00	0.03	0.02	0.04	UND	UND	
	01/10/85	0.00	0.03	-0.02	0.04	UND	UND	
	04/23/85	0.00	0.03	-0.03	0.04	UND	UND	
	07/11/85	-0.01	0.03	0.00	0.04	0.00	UND	
69	10/11/82	0.15	0.02	0.02	0.04	0.13	0.27	P,N
	10/18/83	0.00	0.02	0.06	0.04	UND	UND	
	04/13/84	0.01	0.03	0.12	0.04	12.00	36.22	Y
	10/16/84	0.00	0.03	0.06	0.04	UND	UND	
	04/24/85	0.02	0.03	0.08	0.04	4.00	6.32	Y
70	10/27/80	12.00	0.10	10.00	0.50	0.83	0.04	P,N
	04/24/81	14.30	0.20	13.10	0.20	0.92	0.02	N
	10/12/81	9.41	0.11	9.85	0.11	1.05	0.02	N
	04/16/82	19.80	0.20	21.90	0.40	1.11	0.02	N
	10/11/82	21.40	0.20	23.90	0.40	1.12	0.02	N
	10/18/83	17.30	0.20	19.60	0.40	1.13	0.03	N
	04/10/84	11.20	0.10	11.50	0.30	1.03	0.03	Y
	10/15/84	4.10	0.07	4.52	0.15	1.10	0.04	N
	04/24/85	36.20	0.60	39.20	0.80	1.08	0.03	N

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
71	10/11/82	11.80	0.20	12.70	0.30	1.08	0.03	T,N
	10/18/83	7.66	0.09	8.06	0.16	1.05	0.02	N
	04/13/84	8.02	0.10	7.99	0.16	1.00	0.02	Y
	10/16/84	7.77	0.09	7.55	0.15	0.97	0.02	Y
72	04/18/84	0.03	0.03	0.02	0.04	0.67	1.49	T
	04/23/85	0.01	0.03	0.02	0.04	2.00	7.21	Y
73	10/27/80	1.90	0.04	1.61	0.05	0.85	0.03	P,N
	04/24/81	1.87	0.04	1.81	0.03	0.97	0.03	Y
	10/12/81	1.82	0.04	1.85	0.07	1.02	0.04	Y
	04/16/82	1.71	0.04	1.67	0.03	0.98	0.03	Y
	10/11/82	19.30	0.20	21.50	0.40	1.11	0.02	N
	10/18/83	19.60	0.20	20.30	0.40	1.04	0.02	Y
	04/13/84	13.00	0.20	13.20	0.30	1.02	0.03	Y
	10/16/84	22.20	0.20	23.30	0.60	1.05	0.03	Y
	04/24/85	27.80	0.40	28.10	0.60	1.01	0.03	Y
76	10/16/80	0.52	0.02	0.35	0.05	0.67	0.10	N
	01/14/81	0.38	0.02	0.37	0.02	0.97	0.07	Y
	10/08/81	0.41	0.04	0.33	0.07	0.80	0.19	Y
	01/20/82	0.36	0.02	0.34	0.04	0.94	0.12	Y
	04/16/82	0.38	0.02	0.36	0.04	0.95	0.12	Y
	07/07/82	0.31	0.02	0.37	0.06	1.19	0.21	Y
	10/08/82	0.29	0.02	0.33	0.04	1.14	0.16	Y
	10/18/83	0.32	0.02	0.32	0.04	1.00	0.14	Y
	01/13/84	0.37	0.04	0.38	0.04	1.03	0.15	Y
	02/14/84	0.37	0.04	0.35	0.04	0.95	0.15	Y
	04/17/84	0.32	0.04	0.38	0.04	1.19	0.19	Y
	10/18/84	0.40	0.04	0.43	0.04	1.08	0.15	Y
	01/08/85	0.42	0.04	0.36	0.04	0.86	0.13	Y
	04/26/85	0.36	0.04	0.39	0.04	1.08	0.16	Y
	07/09/85	0.36	0.04	0.38	0.04	1.06	0.16	Y
77	10/13/80	9.37	0.11	7.37	0.03	0.79	0.01	T,N
	04/17/81	8.89	0.10	8.72	0.16	0.98	0.02	Y
	10/05/81	7.99	0.08	8.19	0.18	1.03	0.02	Y
	04/09/82	8.47	0.08	8.65	0.18	1.02	0.02	Y
	09/30/82	8.15	0.08	8.45	0.17	1.04	0.02	Y
	10/84/83	6.35	0.09	6.67	0.13	1.05	0.03	Y
	04/11/84	6.81	0.09	6.52	0.12	0.96	0.02	Y
	10/09/84	7.05	0.19	7.25	0.15	1.03	0.03	Y
	04/24/85	6.47	0.13	6.58	0.13	1.02	0.03	Y
79	10/16/80	0.02	0.02	0.04	0.04	2.00	2.83	T
	04/24/81	0.00	0.02	0.04	0.04	UND	UND	
	10/08/81	0.02	0.02	0.00	0.04	0.00	UND	
	04/16/82	0.02	0.02	0.02	0.04	1.00	2.24	Y
	10/08/82	0.02	0.02	0.02	0.04	1.00	2.24	Y
	10/18/83	0.00	0.02	0.00	0.02	UND	UND	
	04/10/84	0.02	0.03	0.08	0.04	4.00	6.32	Y
	10/10/84	0.02	0.03	0.06	0.04	3.00	4.92	Y
	04/26/85	0.01	0.03	0.06	0.04	6.00	18.44	Y
82	10/13/80	1.08	0.04	0.84	0.01	0.78	0.03	N
	04/22/81	1.89	0.04	1.49	0.09	0.79	0.05	N
	10/12/81	1.08	0.04	1.11	0.02	1.03	0.04	Y
	04/09/82	1.85	0.04	1.92	0.09	1.04	0.05	Y
	10/06/82	1.33	0.04	1.42	0.03	1.07	0.04	Y
	10/11/83	4.28	0.08	4.29	0.09	1.00	0.03	Y
	04/11/84	3.75	0.07	3.65	0.07	0.97	0.03	Y
	10/03/84	3.90	0.07	3.87	0.12	0.99	0.04	Y
	04/17/85	1.25	0.05	1.50	0.03	1.20	0.05	N
83	10/06/80	-0.02	0.02	0.00	0.04	0.00	UND	
	04/22/81	0.02	0.02	0.00	0.04	0.00	UND	

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
83	10/05/81	0.02	0.02	-0.02	0.04	-1.00	2.24	Y
	04/08/82	0.00	0.02	0.04	0.04	UND	UND	
	10/06/82	0.00	0.02	0.00	0.04	UND	UND	
	10/05/83	0.00	0.02	-0.02	0.02	UND	UND	
	04/12/84	0.02	0.03	0.00	0.04	0.00	UND	
	10/10/84	0.00	0.03	0.02	0.04	UND	UND	
	04/18/85	-0.01	0.03	-0.02	0.04	2.00	7.21	Y
84	10/27/80	0.38	0.02	0.30	0.04	0.79	0.11	B,Y
	04/24/81	0.56	0.02	0.40	0.02	0.71	0.04	N
	10/08/81	0.29	0.04	0.14	0.05	0.48	0.18	N
	04/16/82	0.14	0.02	0.08	0.04	0.57	0.30	Y
	04/11/84	0.06	0.04	0.34	0.04	5.67	3.84	Y
	10/16/84	0.34	0.04	0.03	0.04	0.09	0.12	N
	04/16/85	0.29	0.04	0.49	0.04	1.69	0.27	N
85	10/13/80	3.60	0.06	3.95	0.02	1.10	0.02	T,N
	04/17/81	3.29	0.06	3.06	0.06	0.93	0.02	N
	10/05/81	2.82	0.06	2.82	0.15	1.00	0.06	Y
	04/09/82	2.91	0.06	3.06	0.04	1.05	0.03	Y
	10/07/82	2.45	0.04	2.57	0.07	1.05	0.03	Y
	10/13/83	1.78	0.04	1.86	0.06	1.04	0.04	Y
	04/11/84	2.31	0.06	2.20	0.04	0.95	0.03	Y
	10/03/84	2.10	0.06	2.15	0.06	1.02	0.04	Y
	04/16/85	2.25	0.07	2.17	0.05	0.96	0.04	Y
86	10/08/80	-0.02	0.02	-0.04	0.04	2.00	2.83	Y
	04/09/81	0.04	0.02	0.02	0.04	0.50	1.03	Y
	10/09/81	0.00	0.02	0.00	0.04	UND	UND	
	04/16/82	0.00	0.02	0.04	0.04	UND	UND	
	10/08/82	0.00	0.02	-0.02	0.04	UND	UND	
	10/07/83	0.00	0.02	-0.02	0.02	UND	UND	
	10/12/84	0.00	0.03	0.03	0.04	UND	UND	
	04/16/85	0.00	0.03	-0.02	0.04	UND	UND	
87	10/14/80	0.01	0.00	0.11	0.03	11.00	3.72	Y
	01/16/81	0.08	0.02	0.08	0.04	1.00	0.56	Y
	04/09/81	0.08	0.02	0.17	0.04	2.13	0.73	Y
	07/13/81	0.10	0.02	0.12	0.02	1.20	0.31	Y
	10/07/81	0.08	0.02	0.06	0.04	0.75	0.53	Y
	01/07/82	0.06	0.02	0.10	0.04	1.67	0.87	Y
	04/08/82	0.11	0.02	0.15	0.04	1.36	0.44	Y
	07/06/82	0.06	0.02	0.13	0.04	2.17	0.98	N
	10/07/82	0.06	0.02	0.10	0.04	1.67	0.87	Y
	10/06/83	0.06	0.02	0.10	0.04	1.67	0.87	Y
	01/10/84	0.14	0.03	0.14	0.04	1.00	0.36	Y
	04/17/84	0.14	0.03	0.17	0.04	1.21	0.39	Y
	10/10/84	0.14	0.03	0.18	0.04	1.29	0.40	Y
	01/09/85	0.08	0.03	0.08	0.04	1.00	0.63	Y
	04/16/85	0.12	0.03	0.10	0.04	0.83	0.39	Y
	07/11/85	0.08	0.03	0.08	0.04	1.00	0.63	Y
88	10/14/80	0.02	0.02	0.00	0.04	0.00	UND	
	01/16/81	-0.02	0.02	0.06	0.04	-3.00	3.61	Y
	04/09/81	0.00	0.02	0.00	0.04	UND	UND	
	07/13/81	0.00	0.02	0.05	0.04	UND	UND	
	10/07/81	0.00	0.02	0.02	0.04	UND	UND	
	01/07/82	0.00	0.02	0.03	0.04	UND	UND	
	04/08/82	0.00	0.02	0.08	0.04	UND	UND	
	07/06/82	-0.04	0.02	0.00	0.04	0.00	UND	
	10/06/82	0.00	0.02	0.02	0.04	UND	UND	
	10/06/83	0.00	0.02	0.00	0.02	UND	UND	
	01/10/84	0.01	0.02	0.04	0.04	4.00	8.94	Y
	04/18/84	0.02	0.03	0.02	0.04	1.00	2.50	Y

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
88	10/10/84	0.00	0.03	0.04	0.04	UND	UND	
	01/10/85	0.00	0.03	-0.02	0.04	UND	UND	
	04/26/85	0.02	0.03	0.00	0.04	0.00	UND	
	07/11/85	0.00	0.03	-0.04	0.04	UND	UND	
89	10/14/80	0.02	0.02	0.00	0.04	0.00	UND	
	01/16/81	-0.02	0.02	-0.04	0.04	2.00	2.83	Y
	04/09/81	0.00	0.02	0.00	0.04	UND	UND	
	07/13/81	0.00	0.02	0.00	0.04	UND	UND	
	10/07/81	0.00	0.02	0.02	0.04	UND	UND	
	01/07/82	0.00	0.02	-0.04	0.04	UND	UND	
	04/08/82	0.00	0.02	0.02	0.04	UND	UND	
	07/07/82	-0.02	0.02	0.01	0.04	-0.50	2.06	Y
	10/06/82	0.00	0.02	0.00	0.04	UND	UND	
	10/06/83	0.00	0.02	-0.04	0.04	UND	UND	
	01/10/84	0.02	0.02	0.00	0.04	0.00	UND	
	04/18/84	0.00	0.03	0.04	0.04	UND	UND	
	10/17/84	-0.01	0.03	0.04	0.04	-4.00	12.65	Y
	01/11/85	0.00	0.03	-0.03	0.04	UND	UND	
	04/18/85	0.01	0.03	-0.02	0.04	-2.00	7.21	Y
	07/11/85	0.02	0.03	-0.02	0.04	-1.00	2.50	Y
90	10/14/80	0.19	0.02	0.14	0.03	0.74	0.18	N
	01/16/81	0.16	0.02	0.13	0.04	0.81	0.27	Y
	04/09/81	0.18	0.02	0.20	0.04	1.11	0.25	Y
	07/13/81	0.17	0.02	0.14	0.04	0.82	0.25	Y
	10/08/81	0.17	0.02	0.00	0.04	0.00	UND	
	01/07/82	0.15	0.02	0.10	0.04	0.67	0.28	Y
	04/08/82	0.15	0.02	0.22	0.05	1.47	0.39	Y
	07/06/82	0.11	0.02	0.18	0.03	1.64	0.40	Y
	10/06/82	0.18	0.02	0.17	0.04	0.94	0.25	Y
	10/06/83	0.18	0.02	0.13	0.02	0.72	0.14	Y
	01/10/84	0.21	0.03	0.20	0.04	0.95	0.23	Y
	04/17/84	0.19	0.03	0.21	0.04	1.11	0.27	Y
	10/10/84	0.12	0.03	0.16	0.04	1.33	0.47	Y
	01/10/85	0.16	0.03	0.12	0.04	0.75	0.29	Y
92	04/22/81	-0.02	0.02	0.20	0.04	-10.00	10.20	B,Y
	10/08/81	0.02	0.02	-0.02	0.04	-1.00	2.24	Y
	04/14/82	0.02	0.02	-0.02	0.04	-1.00	2.24	Y
	10/06/82	0.00	0.02	0.00	0.04	UND	UND	
	10/06/83	0.02	0.02	0.13	0.02	6.50	6.58	Y
	04/18/84	0.00	0.03	0.02	0.04	UND	UND	
	10/23/84	0.00	0.03	0.09	0.04	UND	UND	
	04/29/85	-0.02	0.03	0.04	0.04	-2.00	3.61	Y
97	10/16/80	0.02	0.02	0.00	0.04	0.00	UND	
	01/14/81	0.00	0.02	0.00	0.04	UND	UND	
	04/17/81	0.04	0.02	0.02	0.02	0.50	0.56	Y
	07/13/81	0.02	0.02	0.03	0.04	1.50	2.50	Y
	10/07/81	0.00	0.02	-0.02	0.04	UND	UND	
	01/20/82	0.02	0.02	-0.04	0.04	-2.00	2.83	Y
	04/09/82	0.02	0.02	0.04	0.04	2.00	2.83	Y
	07/07/82	-0.02	0.02	0.02	0.04	-1.00	2.24	Y
	10/07/82	0.02	0.02	-0.02	0.04	-1.00	2.24	Y
	10/11/83	0.00	0.02	0.00	0.02	UND	UND	
	02/09/84	0.02	0.02	0.01	0.04	0.50	2.06	Y
	04/11/84	0.00	0.03	0.02	0.04	UND	UND	
	10/03/84	0.00	0.03	0.02	0.04	UND	UND	
	01/11/85	0.03	0.03	0.00	0.04	0.00	UND	
	04/23/85	0.04	0.03	0.02	0.04	0.50	1.07	Y
	07/09/85	0.02	0.03	0.00	0.04	0.00	UND	
98	10/16/80	0.02	0.02	0.04	0.04	2.00	2.83	Y

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
98	04/17/81	0.02	0.02	0.02	0.04	1.00	2.24	Y
	10/07/81	0.02	0.02	-0.02	0.04	-1.00	2.24	Y
	04/09/82	0.00	0.02	0.06	0.04	UND	UND	
	07/07/82	0.00	0.02	0.02	0.04	UND	UND	
	10/07/82	0.00	0.02	0.00	0.04	UND	UND	
	10/11/83	0.00	0.02	0.00	0.02	UND	UND	
	01/12/84	0.02	0.02	-0.04	0.04	-2.00	2.83	Y
	02/09/84	0.01	0.02	0.00	0.04	0.00	UND	
	04/10/84	0.06	0.03	0.04	0.04	0.67	0.75	Y
	10/03/84	0.00	0.03	0.04	0.04	UND	UND	
	01/08/85	0.00	0.03	-0.04	0.04	UND	UND	
	04/23/85	0.00	0.03	0.00	0.04	UND	UND	
	07/09/85	0.00	0.03	0.00	0.04	UND	UND	
99	10/16/80	0.00	0.02	0.02	0.04	UND	UND	
	04/17/81	0.00	0.02	0.04	0.04	UND	UND	
	10/07/81	0.02	0.02	0.00	0.04	0.00	UND	
	04/09/82	0.00	0.02	0.07	0.04	UND	UND	
	07/07/82	0.00	0.02	0.00	0.04	UND	UND	
	10/07/82	0.00	0.02	0.00	0.04	UND	UND	
	10/11/83	0.00	0.02	-0.02	0.02	UND	UND	
	01/12/84	0.02	0.02	0.00	0.04	0.00	UND	
	02/09/84	0.06	0.02	-0.02	0.04	-0.33	0.68	Y
	04/10/84	0.01	0.03	0.02	0.04	2.00	7.21	Y
	10/03/84	-0.01	0.03	0.04	0.04	-4.00	12.65	Y
	01/11/85	0.00	0.03	0.40	0.04	UND	UND	
	04/24/85	0.01	0.03	0.00	0.04	0.00	UND	
	07/09/85	0.02	0.03	0.04	0.04	2.00	3.61	Y
100	10/17/80	0.00	0.02	0.00	0.04	UND	UND	
	04/23/81	0.04	0.02	0.03	0.04	0.75	1.07	Y
	07/13/81	0.00	0.02	0.04	0.04	UND	UND	
	10/08/81	-0.02	0.02	0.02	0.04	-1.00	2.24	Y
	04/08/82	0.00	0.02	0.03	0.04	UND	UND	
	07/07/82	0.00	0.02	-0.03	0.04	UND	UND	
	10/08/82	0.00	0.02	-0.02	0.04	UND	UND	
	10/10/83	-0.02	0.02	0.00	0.02	0.00	UND	
	02/09/84	0.00	0.02	-0.02	0.04	UND	UND	
	04/11/84	0.02	0.03	0.04	0.04	2.00	3.61	Y
	10/17/84	0.00	0.03	0.04	0.04	UND	UND	
	01/11/85	0.00	0.03	-0.04	0.04	UND	UND	
	04/19/85	0.00	0.03	0.00	0.04	UND	UND	
	07/10/85	0.00	0.03	0.04	0.04	UND	UND	
101	10/17/80	0.02	0.02	-0.04	0.04	-2.00	2.83	Y
	04/23/81	0.00	0.02	0.05	0.04	UND	UND	
	10/08/81	0.00	0.02	-0.04	0.04	UND	UND	
	04/08/82	0.00	0.02	0.02	0.04	UND	UND	
	10/08/82	0.00	0.02	-0.02	0.04	UND	UND	
	10/10/83	-0.02	0.02	0.00	0.02	0.00	UND	
	04/17/84	0.01	0.03	0.04	0.04	4.00	12.65	Y
	10/17/84	0.00	0.03	0.06	0.04	UND	UND	
	04/19/85	-0.03	0.03	0.00	0.04	0.00	UND	
103	10/06/80	-0.02	0.02	-0.04	0.04	2.00	2.83	Y
	04/02/81	0.02	0.02	-0.04	0.04	-2.00	2.83	Y
	07/10/81	0.00	0.02	0.03	0.04	UND	UND	
	10/07/81	0.02	0.02	-0.04	0.04	-2.00	2.83	Y
	04/15/82	0.00	0.02	0.08	0.04	UND	UND	
	07/07/82	0.00	0.02	-0.03	0.04	UND	UND	
	10/04/82	0.02	0.02	-0.02	0.04	-1.00	2.24	Y
	10/05/83	0.00	0.02	0.02	0.02	UND	UND	
	04/13/84	0.02	0.03	0.06	0.04	3.00	4.92	Y

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
103	10/03/84	0.00	0.03	0.04	0.04	UND	UND	Y
	04/18/85	0.05	0.03	0.06	0.04	1.20	1.08	Y
	07/12/85	0.12	0.03	0.07	0.04	0.58	0.36	Y
104	10/06/80	0.04	0.02	0.06	0.04	1.50	1.25	Y
	04/02/81	0.10	0.02	0.10	0.04	1.00	0.45	Y
	07/10/81	0.04	0.02	0.11	0.04	2.75	1.70	Y
	10/05/81	0.08	0.02	0.07	0.04	0.88	0.55	Y
	04/08/82	0.11	0.02	0.13	0.04	1.18	0.42	Y
	07/07/82	0.02	0.02	0.14	0.04	7.00	7.28	Y
	10/04/82	0.08	0.02	0.10	0.04	1.25	0.59	Y
	10/05/83	0.23	0.04	0.14	0.02	0.61	0.14	N
	02/10/84	0.14	0.02	0.13	0.04	0.93	0.32	Y
	04/12/84	0.08	0.03	0.04	0.04	0.50	0.53	Y
	10/12/84	0.06	0.03	0.16	0.04	2.67	1.49	Y
	04/18/85	0.01	0.03	0.09	0.04	9.00	27.29	Y
	07/10/85	0.11	0.03	0.12	0.04	1.09	0.47	Y
105	01/07/81	0.02	0.02	0.00	0.04	0.00	UND	
	04/02/81	0.02	0.02	0.07	0.04	3.50	4.03	Y
	07/11/81	0.02	0.02	0.00	0.04	0.00	UND	
	10/07/81	-0.02	0.02	-0.02	0.04	1.00	2.24	Y
	04/08/82	0.02	0.02	0.04	0.04	2.00	2.83	Y
	10/05/82	0.00	0.02	-0.02	0.04	UND	UND	
	01/13/84	0.05	0.02	0.02	0.04	0.40	0.82	Y
	04/17/84	0.00	0.03	0.02	0.04	UND	UND	
	10/12/84	0.00	0.03	0.06	0.04	UND	UND	
	04/18/85	0.00	0.03	-0.02	0.04	UND	UND	
106	10/06/80	0.32	0.02	0.00	0.04	0.00	UND	
	01/14/81	0.27	0.02	0.27	0.04	1.00	0.17	Y
	04/15/81	0.34	0.02	0.20	0.04	0.59	0.12	N
	07/10/81	0.32	0.02	0.28	0.04	0.88	0.14	Y
	10/05/81	0.34	0.02	0.30	0.03	0.88	0.10	Y
	01/20/82	0.27	0.02	0.25	0.04	0.93	0.16	Y
	04/08/82	0.36	0.02	0.32	0.04	0.89	0.12	Y
	07/07/82	0.27	0.02	0.33	0.04	1.22	0.17	Y
	10/05/82	0.29	0.02	0.09	0.04	0.31	0.14	N
	10/05/83	0.23	0.04	0.28	0.02	1.22	0.23	Y
	01/17/84	0.31	0.03	0.24	0.04	0.77	0.15	Y
	04/12/84	0.22	0.03	0.26	0.04	1.18	0.24	Y
	10/12/84	0.24	0.03	0.36	0.04	1.50	0.25	Y
	01/08/85	0.34	0.04	0.31	0.04	0.91	0.16	Y
	04/18/85	0.27	0.07	0.29	0.04	1.07	0.32	Y
	07/10/85	0.26	0.04	0.28	0.04	1.08	0.23	Y
107	10/06/80	-0.02	0.02	-0.04	0.04	2.00	2.83	Y
	04/02/81	0.00	0.02	0.03	0.04	UND	UND	
	07/10/81	-0.02	0.02	0.00	0.04	0.00	UND	
	10/06/81	0.04	0.02	-0.02	0.04	-0.50	1.03	Y
	04/08/82	0.00	0.02	0.02	0.04	UND	UND	
	10/05/82	0.00	0.02	-0.04	0.04	UND	UND	
	10/05/83	0.00	0.02	0.00	0.02	UND	UND	
	04/13/84	0.01	0.03	0.00	0.04	0.00	UND	
	10/03/84	0.00	0.03	0.04	0.04	UND	UND	
	04/18/85	0.00	0.03	-0.02	0.04	UND	UND	
108	10/06/80	0.00	0.02	-0.02	0.04	UND	UND	
	12/31/80	0.00	0.02	0.00	0.03	UND	UND	
	04/02/81	0.02	0.02	-0.04	0.04	-2.00	2.83	Y
	07/11/81	0.00	0.02	0.00	0.04	UND	UND	
	10/07/81	0.02	0.02	0.00	0.04	0.00	UND	
	04/08/82	0.02	0.02	0.06	0.04	3.00	3.61	Y
	10/05/82	0.02	0.02	-0.02	0.04	-1.00	2.24	Y

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
108	04/13/84	0.05	0.03	0.14	0.04	2.80	1.86	Y
	10/09/84	0.01	0.03	0.008	0.04	0.80	4.66	Y
	04/23/85	0.01	0.03	0.04	0.04	4.00	12.65	Y
109	10/08/80	0.00	0.02	-0.02	0.04	UND	UND	
	04/02/81	0.04	0.02	0.04	0.04	1.00	1.12	Y
	07/11/81	0.00	0.02	0.05	0.04	UND	UND	
	10/09/81	0.04	0.02	0.02	0.04	0.50	1.03	Y
	04/15/82	0.02	0.02	0.00	0.04	0.00	UND	
	10/04/82	0.00	0.02	0.00	0.04	UND	UND	
	10/07/83	0.00	0.02	0.00	0.02	UND	UND	
	04/16/84	0.02	0.03	0.02	0.04	1.00	2.50	Y
110	10/10/80	-0.02	0.02	0.00	0.04	0.00	UND	
	04/02/81	0.00	0.02	0.00	0.04	UND	UND	
	10/07/81	0.02	0.02	0.00	0.04	0.00	UND	
	04/08/82	0.02	0.02	0.02	0.04	1.00	2.24	Y
	10/05/82	-0.02	0.02	0.00	0.04	0.00	UND	
	10/05/83	0.00	0.02	0.00	0.02	UND	UND	
	04/13/84	0.01	0.03	0.04	0.04	4.00	12.65	Y
	10/03/84	0.00	0.03	0.00	0.04	UND	UND	
	04/18/85	0.00	0.03	0.00	0.04	UND	UND	
Atomic City	10/06/80	-0.02	0.02	0.00	0.04	0.00	UND	F
	04/02/81	-0.02	0.02	-0.02	0.04	1.00	2.24	Y
	10/07/81	0.02	0.02	0.00	0.04	0.00	UND	
	04/08/82	0.00	0.02	0.00	0.04	UND	UND	
	10/05/82	0.00	0.02	-0.02	0.04	UND	UND	
	10/05/83	0.00	0.02	0.00	0.02	UND	UND	
	04/13/84	0.01	0.03	0.00	0.04	0.00	UND	
	10/03/84	0.00	0.03	0.00	0.04	UND	UND	
	04/18/85	0.00	0.03	0.00	0.04	UND	UND	
Cerro Grande	10/06/80	0.00	0.02	-0.04	0.04	UND	UND	T
	04/15/81	0.04	0.02	-0.02	0.04	-0.50	1.03	Y
	10/07/81	0.00	0.02	0.00	0.04	UND	UND	
	04/15/82	0.00	0.02	0.04	0.04	UND	UND	
	10/04/82	0.00	0.02	0.00	0.04	UND	UND	
	10/05/83	0.00	0.02	-0.02	0.02	UND	UND	
	04/13/84	0.02	0.03	0.02	0.04	1.00	2.50	Y
	10/05/84	0.00	0.03	0.00	0.04	UND	UND	
	04/18/85	0.01	0.03	0.00	0.04	0.00	UND	
CFA -1	10/21/80	4.10	0.06	3.00	0.01	0.73	0.01	N
	01/16/81	3.87	0.09	3.85	0.08	0.99	0.03	Y
	04/30/81	4.03	0.06	3.50	0.10	0.87	0.03	N
	10/13/81	3.56	0.06	3.94	0.08	1.11	0.03	N
	01/20/82	3.60	0.06	3.31	0.06	0.92	0.02	N
	04/15/82	3.67	0.06	3.33	0.10	0.91	0.03	N
	07/06/82	3.20	0.06	3.29	0.06	1.03	0.03	Y
	10/11/82	3.31	0.06	3.64	0.13	1.10	0.04	N
	10/06/83	3.15	0.06	3.32	0.09	1.05	0.03	Y
	01/10/84	3.18	0.07	3.11	0.06	0.98	0.03	Y
	04/16/84	3.75	0.07	3.22	0.06	0.86	0.02	N
	10/12/84	3.38	0.07	3.52	0.10	1.04	0.04	Y
	01/14/85	3.63	0.09	3.56	0.07	0.98	0.03	Y
	04/26/85	3.25	0.08	3.24	0.07	1.00	0.03	Y
	07/15/85	3.57	0.09	3.54	0.09	0.99	0.04	Y
CFA -2	10/21/80	2.75	0.06	1.82	0.04	0.66	0.02	N
	01/16/81	2.75	0.06	2.88	0.07	1.05	0.03	Y
	04/30/81	2.66	0.06	2.50	0.15	0.94	0.06	Y
	10/13/81	2.64	0.06	2.68	0.04	1.02	0.03	Y
	01/20/82	2.73	0.06	2.46	0.05	0.90	0.03	N
	04/15/82	2.70	0.06	2.45	0.05	0.91	0.03	N

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
CFA -2	07/06/82	2.27	0.06	2.47	0.05	1.09	0.04	N
	10/11/82	2.60	0.06	2.79	0.08	1.07	0.04	Y
	10/06/83	2.48	0.06	2.40	0.05	0.97	0.03	Y
	01/10/84	3.11	0.07	3.20	0.06	1.03	0.03	Y
	04/16/84	2.49	0.06	2.34	0.05	0.94	0.03	Y
	10/12/84	2.79	0.06	2.85	0.06	1.02	0.03	Y
	01/14/85	2.83	0.08	2.34	0.05	0.83	0.03	N
	04/26/85	3.24	0.08	3.21	0.07	0.99	0.03	Y
	07/15/85	2.03	0.06	2.05	0.06	1.01	0.04	Y
CPP -1	10/13/80	0.77	0.04	0.59	0.02	0.77	0.05	N
	07/13/81	1.57	0.06	1.37	0.03	0.87	0.04	N
	10/06/81	5.41	0.08	5.73	0.06	1.06	0.02	N
	01/20/82	1.53	0.04	1.47	0.03	0.96	0.03	Y
	04/09/82	1.24	0.04	0.97	0.04	0.78	0.04	N
	07/07/82	0.72	0.04	0.77	0.04	1.07	0.08	Y
	10/08/82	1.04	0.04	0.68	0.04	0.65	0.05	N
	10/17/83	1.15	0.04	1.19	0.04	1.03	0.05	Y
	01/09/84	1.29	0.05	1.20	0.04	0.93	0.05	Y
	04/18/84	0.22	0.03	0.19	0.04	0.86	0.22	Y
	10/23/84	0.06	0.03	0.11	0.04	1.83	1.13	Y
	01/14/85	0.07	0.03	0.04	0.04	0.57	0.62	Y
	05/13/85	0.02	0.03	0.06	0.04	3.00	4.92	Y
	07/11/85	0.02	0.03	0.04	0.04	2.00	3.61	Y
CPP -2	01/14/81	0.16	0.02	0.17	0.01	1.06	0.15	Y
	04/24/81	1.67	0.04	1.52	0.08	0.91	0.05	Y
	10/06/81	1.44	0.04	1.37	0.15	0.95	0.11	Y
	10/11/82	0.08	0.02	0.08	0.04	1.00	0.56	Y
	10/18/83	0.02	0.02	0.06	0.02	3.00	3.16	Y
	04/26/84	0.01	0.03	0.05	0.04	5.00	15.52	Y
	11/07/84	0.10	0.03	0.10	0.04	1.00	0.50	Y
	04/29/85	0.00	0.03	0.05	0.04	UND	UND	
	07/12/85	0.02	0.03	-0.04	0.04	-2.00	3.61	Y
CPP -4	05/10/85	0.01	0.03	0.00	0.04	0.00	UND	
	07/11/85	0.01	0.03	0.00	0.04	0.00	UND	
CWP -1	10/11/82	0.02	0.02	0.00	0.04	0.00	UND	P
	10/19/83	0.00	0.02	0.02	0.02	UND	UND	
	04/13/84	0.02	0.02	0.05	0.04	2.50	3.20	
	10/16/84	0.00	0.03	0.04	0.04	UND	UND	
	04/26/85	-0.02	0.03	0.00	0.04	0.00	UND	
CWP -2	10/19/83	0.02	0.02	0.00	0.02	0.00	UND	P
	04/13/84	0.02	0.03	0.06	0.04	3.00	4.92	Y
	10/16/84	0.00	0.03	0.04	0.04	UND	UND	
	04/26/85	0.00	0.03	0.00	0.04	UND	UND	
CWP -3	10/11/82	0.00	0.02	-0.02	0.04	UND	UND	P
	10/19/83	0.00	0.02	0.02	0.02	UND	UND	
	04/13/84	0.01	0.03	0.00	0.04	0.00	UND	
	10/16/84	0.01	0.03	0.02	0.04	2.00	7.21	
	04/26/85	0.01	0.03	0.00	0.04	0.00	UND	
CWP -4	10/11/82	0.00	0.02	0.00	0.04	UND	UND	P
	10/19/83	0.04	0.02	0.02	0.02	0.50	0.56	Y
	04/13/84	0.01	0.03	0.08	0.04	8.00	24.33	Y
	10/16/84	0.01	0.03	0.04	0.04	4.00	12.65	Y
	04/26/85	0.01	0.03	0.02	0.04	2.00	7.21	Y
CWP -5	10/11/82	0.02	0.02	0.02	0.04	1.00	2.24	P,Y
	04/26/85	0.00	0.03	0.00	0.04	UND	UND	
CWP -8	10/11/82	0.04	0.02	0.04	0.04	1.00	1.12	P,Y
	10/19/83	0.00	0.02	-0.02	0.02	UND	UND	
	04/13/84	0.02	0.03	0.06	0.04	3.00	4.92	Y
	10/16/84	0.02	0.03	0.06	0.04	3.00	4.92	Y

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
CWP -9	10/11/82	0.61	0.04	0.62	0.04	1.02	0.09	P,Y
	10/19/83	0.38	0.04	0.39	0.04	1.03	0.15	Y
	04/13/84	0.26	0.04	0.37	0.04	1.42	0.27	Y
	10/16/84	0.32	0.04	0.38	0.04	1.19	0.19	Y
	04/26/85	0.20	0.04	0.26	0.04	1.30	0.33	Y
EBR -1	10/21/80	0.00	0.02	-0.04	0.04	UND	UND	
	04/30/81	0.00	0.02	-0.02	0.04	UND	UND	
	10/13/81	0.02	0.02	-0.02	0.04	-1.00	2.24	Y
	04/15/82	0.00	0.02	0.00	0.04	UND	UND	
	10/11/82	0.00	0.02	-0.02	0.04	UND	UND	
	10/06/83	0.00	0.02	0.00	0.02	UND	UND	
	04/16/84	0.01	0.03	0.02	0.04	2.00	7.21	Y
	10/12/84	0.00	0.03	0.02	0.04	UND	UND	
	04/26/85	0.00	0.03	0.00	0.04	UND	UND	
Fire Sta. 2	10/21/80	0.02	0.02	-0.04	0.04	-2.00	2.83	Y
	04/30/81	-0.02	0.02	-0.04	0.04	2.00	2.83	Y
	10/13/81	0.02	0.02	0.00	0.04	0.00	UND	
	04/15/82	0.00	0.02	-0.04	0.04	UND	UND	
	07/06/82	0.00	0.02	0.02	0.04	UND	UND	
	10/12/82	0.00	0.02	-0.02	0.04	UND	UND	
	10/06/83	0.00	0.02	0.02	0.02	UND	UND	
	01/10/84	0.00	0.02	-0.04	0.04	UND	UND	
	04/16/84	0.00	0.03	0.00	0.04	UND	UND	
	10/12/84	0.00	0.03	0.02	0.04	UND	UND	
	01/14/85	0.00	0.03	0.00	0.04	UND	UND	
	04/26/85	0.00	0.03	-0.02	0.04	UND	UND	
	07/15/85	-0.02	0.03	0.02	0.04	-1.00	2.50	Y
Highway 3	10/13/80	0.02	0.02	0.00	0.04	0.00	UND	F
	04/15/81	0.04	0.02	0.00	0.04	0.00	UND	
	10/06/81	0.02	0.02	0.00	0.04	0.00	UND	
	04/08/82	0.00	0.02	0.02	0.04	UND	UND	
	10/05/82	0.00	0.02	0.02	0.04	UND	UND	
	10/05/83	0.00	0.02	0.02	0.02	UND	UND	
	04/10/84	0.03	0.03	0.00	0.04	0.00	UND	
	10/12/84	0.01	0.03	0.02	0.04	2.00	7.44	Y
	04/18/85	0.00	0.03	0.00	0.04	UND	UND	
Leo Rodgers	07/10/81	0.02	0.02	0.02	0.04	1.00	2.24	Y
	07/07/82	-0.02	0.02	-0.02	0.04	1.00	2.24	Y
	07/12/85	0.00	0.03	0.00	0.04	UND	UND	
OMRE	10/21/80	0.47	0.02	0.40	0.05	0.85	0.11	Y
	04/15/82	0.43	0.02	0.39	0.04	0.91	0.10	Y
	10/11/82	0.34	0.02	0.39	0.04	1.15	0.14	Y
	04/17/84	0.31	0.04	0.34	0.04	1.10	0.19	Y
	10/12/84	0.35	0.03	0.33	0.04	0.94	0.14	Y
	04/26/85	0.28	0.04	0.34	0.04	1.21	0.22	Y
RWMC	01/16/81	0.16	0.02	0.20	0.04	1.25	0.29	Y
	04/30/81	0.14	0.02	0.25	0.03	1.79	0.33	N
	10/13/81	0.23	0.02	0.19	0.05	0.83	0.23	Y
	01/20/82	0.15	0.02	0.18	0.04	1.20	0.31	Y
	07/06/82	0.15	0.02	0.18	0.04	1.20	0.31	Y
	10/11/82	0.18	0.02	0.22	0.03	1.22	0.21	Y
	10/06/83	0.16	0.02	0.20	0.02	1.25	0.20	Y
	01/10/84	0.18	0.04	0.18	0.04	1.00	0.31	Y
	04/18/84	0.15	0.04	0.20	0.04	1.33	0.44	Y
	10/12/84	0.17	0.03	0.28	0.04	1.65	0.37	Y
	01/14/85	0.18	0.03	0.16	0.04	0.89	0.27	Y
	04/26/85	0.19	0.04	0.13	0.04	0.68	0.26	Y
	07/15/85	0.15	0.03	0.19	0.04	1.27	0.37	Y
SITE 9	10/16/80	0.00	0.02	0.03	0.04	UND	UND	

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
SITE 9	04/15/81	0.02	0.02	-0.04	0.04	-2.00	2.83	Y
	10/07/81	0.00	0.02	0.00	0.04	UND	UND	
	04/08/82	0.00	0.02	0.02	0.04	UND	UND	
	10/06/82	0.00	0.02	0.00	0.04	UND	UND	
	10/21/83	0.00	0.02	0.00	0.02	UND	UND	
	04/12/84	0.02	0.03	0.00	0.04	0.00	UND	
	10/15/84	0.02	0.03	0.02	0.04	1.00	2.50	Y
	04/18/85	0.00	0.03	0.00	0.04	UND	UND	
SITE 19	10/13/80	0.00	0.02	-0.04	0.04	UND	UND	
	04/24/81	-0.02	0.02	0.04	0.04	-2.00	2.83	Y
	10/08/81	0.00	0.02	0.04	0.04	UND	UND	
	04/16/82	0.02	0.02	-0.04	0.04	-2.00	2.83	Y
	10/08/82	-0.02	0.02	-0.02	0.04	1.00	2.24	Y
	10/17/83	0.00	0.02	0.00	0.02	UND	UND	
	04/10/84	0.00	0.03	0.00	0.04	UND	UND	
	10/10/84	0.00	0.03	0.04	0.04	UND	UND	
	04/26/85	0.01	0.03	0.00	0.04	0.00	UND	
SPERT 1	10/21/80	0.02	0.02	-0.04	0.04	-2.00	2.83	Y
	10/07/81	0.00	0.02	0.04	0.04	UND	UND	
	04/14/82	0.00	0.02	0.07	0.04	UND	UND	
	10/11/82	0.00	0.02	0.00	0.04	UND	UND	
	10/06/83	0.00	0.02	0.00	0.02	UND	UND	
	04/16/84	0.02	0.03	0.00	0.04	0.00	UND	
	10/12/84	0.00	0.03	0.02	0.04	UND	UND	
	04/26/85	-0.02	0.03	-0.02	0.04	1.00	2.50	Y
SWLP 2	04/19/84	0.60	0.03	0.58	0.04	0.97	0.08	B,Y
	10/17/84	0.26	0.03	0.27	0.04	1.04	0.20	Y
SWLP 3	04/19/84	0.89	0.04	0.80	0.04	0.90	0.06	B,Y
SWLP 8	04/19/84	0.85	0.04	0.78	0.04	0.92	0.06	B,Y
	04/26/85	0.15	0.03	0.16	0.04	1.07	0.34	Y
SWLP 9	04/19/84	0.48	0.04	0.42	0.04	0.88	0.11	B,Y
	04/26/85	0.09	0.03	0.10	0.04	1.11	0.58	Y
SWLP 13	04/19/85	0.41	0.03	0.68	0.04	1.66	0.16	B,N
	10/17/84	0.16	0.03	0.25	0.05	1.56	0.43	Y
	04/26/85	0.07	0.03	0.10	0.04	1.43	0.84	Y
SWLP 14	04/19/84	0.38	0.03	0.43	0.04	1.13	0.14	B,Y
	04/26/85	0.11	0.03	0.15	0.04	1.36	0.52	Y
SWLP 15	04/19/84	0.56	0.03	0.51	0.04	0.91	0.09	B,Y
	10/17/84	0.17	0.03	0.25	0.04	1.47	0.35	Y
	04/26/85	0.11	0.03	0.14	0.04	1.27	0.50	Y
SWLP 16	04/19/84	1.27	0.05	1.25	0.06	0.98	0.06	B,Y
	04/26/85	0.05	0.03	0.15	0.04	3.00	1.97	Y
SWLP 22	04/19/84	0.64	0.03	0.65	0.04	1.02	0.08	B,Y
	04/26/85	0.08	0.03	0.08	0.04	1.00	0.63	Y
SWLP 23	04/19/84	0.57	0.03	0.63	0.04	1.11	0.09	B,Y
	04/26/85	0.12	0.03	0.14	0.04	1.17	0.44	Y
TRA 1	04/29/81	0.02	0.02	0.00	0.04	0.00	UND	
	10/08/81	0.00	0.02	-0.04	0.04	UND	UND	
	04/14/82	0.02	0.02	-0.02	0.02	-1.00	1.41	Y
	10/10/82	0.02	0.02	-0.02	0.04	-1.00	2.24	Y
	10/17/83	0.02	0.02	0.00	0.02	0.00	UND	
	04/19/84	0.02	0.03	0.04	0.04	2.00	3.61	Y
	10/11/84	0.00	0.03	0.02	0.04	UND	UND	
	04/24/85	0.01	0.03	0.00	0.04	0.00	UND	
TRA 3	04/29/81	0.02	0.02	0.03	0.04	1.50	2.50	Y
	10/08/81	0.02	0.02	0.02	0.04	1.00	2.24	Y
	04/14/82	0.00	0.02	-0.02	0.04	UND	UND	
	10/10/82	0.00	0.02	0.02	0.04	UND	UND	
	10/17/83	0.00	0.02	0.00	0.02	UND	UND	

Table 1.-- Comparison of tritium analyses from the Radiological and Environmental Sciences laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Tritium concentration (RESL) (uCi/mL x10-5)	+/- uncer-tainty	Tritium concentration (IDWR) (uCi/mL x10-5)	+/- uncer-tainty	R	SR	Remarks
TRA 3	04/19/84	0.03	0.03	0.04	0.04	1.33	1.89	Y
	10/11/84	0.00	0.03	0.02	0.04	UND	UND	
	04/24/85	0.00	0.03	0.00	0.04	UND	UND	
TRA 4	04/29/81	0.02	0.02	0.04	0.04	2.00	2.83	Y
	10/08/81	0.00	0.02	-0.02	0.04	UND	UND	
	04/14/82	0.00	0.02	-0.02	0.04	UND	UND	
	10/10/82	0.00	0.02	-0.04	0.04	UND	UND	
	10/17/83	-0.02	0.02	-0.02	0.02	1.00	1.41	Y
	10/11/84	0.00	0.03	0.02	0.04	UND	UND	
	04/24/85	0.00	0.03	-0.02	0.04	UND	UND	
TRA A-13	10/27/80	44.50	0.20	38.80	0.80	0.87	0.02	B,N
	04/16/82	15.80	0.20	13.40	0.30	0.85	0.02	N
	07/07/82	1.01	0.04	1.21	0.03	1.20	0.06	N
	10/11/82	0.36	0.02	0.36	0.04	1.00	0.12	Y
	10/18/83	0.09	0.02	0.32	0.02	3.56	0.82	N
	01/12/84	0.38	0.04	0.73	0.04	1.92	0.23	N
	04/13/84	0.31	0.04	0.35	0.04	1.13	0.19	Y
	10/17/84	0.11	0.03	0.28	0.04	2.55	0.78	N
	01/08/85	0.61	0.04	0.48	0.04	0.79	0.08	N
	04/24/85	0.36	0.04	0.08	0.04	0.22	0.11	N
	07/09/85	0.02	0.03	0.06	0.04	3.00	4.92	Y
TRA A-77	10/27/80	56.60	0.20	42.40	0.20	0.75	0.00	B,N
	01/16/81	98.60	0.30	96.40	0.40	0.98	0.01	Y
	04/20/81	95.70	0.40	60.70	1.40	0.63	0.01	N
	07/14/81	117.00	2.00	101.00	2.00	0.86	0.02	N
	10/12/81	103.00	1.00	113.00	7.00	1.10	0.07	Y
	01/20/82	107.00	1.00	115.00	2.00	1.07	0.02	N
	04/16/82	116.00	1.00	120.00	2.00	1.03	0.02	Y
	07/07/82	110.00	2.00	117.00	2.00	1.06	0.03	Y
	10/11/82	223.00	1.00	280.00	5.00	1.26	0.02	N
	01/31/84	204.00	2.00	176.00	4.00	0.86	0.02	N
	04/18/84	125.00	1.00	124.00	3.00	0.99	0.03	Y
	10/23/84	217.00	2.00	227.00	4.00	1.05	0.02	N
	01/10/85	288.00	4.00	285.00	4.00	0.99	0.02	Y
	04/23/85	97.10	1.40	105.00	2.00	1.08	0.03	N
	07/11/85	293.00	4.00	300.00	6.00	1.02	0.02	Y
INEL -1WS	10/07/81	0.04	0.02	0.04	0.04	1.00	1.12	Y
	04/12/84	0.03	0.03	0.04	0.04	1.33	1.89	Y
	10/29/84	-0.10	0.03	0.11	0.04	-1.10	0.52	N
BLR-ARCO	10/11/80	0.04	0.02	0.04	0.04	1.00	1.12	S,Y
	10/05/82	0.00	0.02	0.00	0.04	UND	UND	
	10/19/83	0.02	0.02	0.00	0.02	0.00	UND	
	04/20/84	0.02	0.03	0.00	0.04	0.00	UND	
	10/12/84	0.02	0.03	0.02	0.04	1.00	2.50	Y
	04/19/85	0.02	0.03	0.00	0.04	0.00	UND	
BLR-DAIRY FARM	04/05/82	0.02	0.02	0.02	0.04	1.00	2.24	S,Y
	10/07/82	0.02	0.02	0.02	0.04	1.00	2.24	Y
	10/19/83	0.00	0.02	0.02	0.02	UND	UND	
	04/19/84	0.00	0.03	0.00	0.04	UND	UND	
	10/18/84	0.01	0.03	0.02	0.04	2.00	7.21	Y
	04/14/85	0.00	0.03	0.02	0.04	UND	UND	
BLR-INEL DIV.	10/05/82	0.02	0.02	0.00	0.04	0.00	UND	S
	10/19/83	0.00	0.02	-0.02	0.02	UND	UND	
	04/18/84	0.02	0.03	0.00	0.04	0.00	UND	
	10/18/84	0.00	0.03	0.02	0.04	UND	UND	
	04/19/85	0.01	0.03	-0.02	0.04	-2.00	7.21	Y

Table 2.-- Comparison of blind replicate tritium analyses from the Radiological and Environmental Sciences Laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; UND -- statistical equation resulted in an undefined number. Remarks: Y -- indicates analytical results are in statistical agreement. Negative value of tritium concentration indicates that the activity of the sample was less than the blank used to calibrate the analytical instrument.]

Well identifier	Date sampled	Tritium concentration (sample) (uCi/mL x10-6)	+/- uncer-tainty	Tritium concentration (blind replicate) (uCi/mL x10-6)	+/- uncer-tainty	R	SR	Remarks
9	04/13/88	-0.10	0.31	-0.10	0.30	1.00	4.31	Y
43	04/12/88	12.40	0.50	11.50	0.50	0.93	0.05	Y
57	07/26/88	33.30	0.80	33.20	0.80	1.00	0.03	Y
59	03/31/88	3.10	0.40	3.60	0.40	1.16	0.20	Y
61	11/17/88	15.00	0.50	14.90	0.50	0.99	0.05	Y
62	04/28/88	3.30	0.40	2.40	0.40	0.73	0.15	Y
67	10/06/88	39.80	0.80	40.80	0.80	1.03	0.03	Y
73	04/29/88	219.00	3.00	218.00	3.00	1.00	0.02	Y
76	07/11/88	3.20	0.20	3.40	0.20	1.06	0.09	Y
88	04/05/88	-0.20	0.30	0.16	0.32	-0.80	2.00	Y
	06/24/88	0.08	0.16	0.06	0.16	0.75	2.50	Y
105	09/28/87	0.00	0.30	0.00	0.30	UND	UND	
106	10/06/87	2.20	0.40	2.40	0.40	1.09	0.27	Y
	10/19/88	2.20	0.20	2.20	0.20	1.00	0.13	Y
117	10/19/87	0.00	0.30	-0.20	0.30	UND	UND	
CFA -1	01/05/88	32.00	0.80	32.50	0.80	1.02	0.04	Y
CFA -2	04/12/88	19.40	0.60	20.20	0.60	1.04	0.04	Y
EBR -1	10/28/88	0.15	0.17	0.04	0.16	0.27	1.11	Y
Highway 3	04/04/88	-0.10	0.30	-0.20	0.30	2.00	6.71	Y
NPR Test	10/15/87	0.10	0.30	-0.10	0.30	-1.00	4.24	Y
P&W 1	04/23/88	156.00	3.00	157.00	3.00	1.01	0.03	Y
Site 14	04/08/88	0.00	0.30	-0.20	0.30	UND	UND	
TRA Disposal	04/25/88	7.90	0.40	7.60	0.40	0.96	0.07	Y
	11/10/88	7.40	0.30	7.60	0.30	1.03	0.06	Y

Table 3.-- Comparison of plutonium-238 and plutonium-239,-240 (undivided) analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Environmental Analytical Laboratory (EAL)

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; UND -- statistical equation resulted in an undefined number. Remarks: N -- indicates analytical results not in statistical agreement; Y -- indicates statistical agreement. Negative value of plutonium concentration indicates that the activity of the sample was less than the blank used to calibrate the analytical instrument.]

Well identifier	Date sampled	Plutonium -238 concentration (RESL) (uCi/mL x10-11)	+/- uncer-tainty	Plutonium -238 concentration (EAL) (uCi/mL x10-11)	+/- uncer-tainty	R	SR	Remarks
37	04/09/82	0.20	0.30	0.00	0.48	0.00	UND	
	10/10/84	1.20	2.10	0.25	0.38	0.21	0.48	Y
40	04/09/82	9.40	0.80	10.70	1.20	1.14	0.16	Y
43	04/09/82	-0.20	0.20	0.00	0.53	0.00	UND	
47	04/09/82	0.50	0.30	1.40	0.55	2.80	2.01	Y
65	04/09/82	0.04	0.14	0.00	0.45	0.00	UND	
	04/17/84	-0.20	0.30	3.36	1.59	-16.80	26.42	Y
67	04/12/84	-0.80	0.30	1.41	0.93	-1.76	1.34	Y
87	04/09/81	-1.00	2.00	2.50	3.30	-2.50	5.99	Y
88	04/09/81	-1.00	2.00	0.00	0.96	0.00	UND	
90	04/09/81	1.10	0.40	0.00	1.50	0.00	UND	
	04/08/82	-1.80	1.50	8.50	4.30	-4.72	4.60	Y
108	04/13/84	-0.40	0.30	2.11	0.94	-5.27	4.60	Y
CPP -1	05/13/85	0.10	0.40	3.77	0.60	37.70	150.92	Y
RWMC	04/18/84	-0.40	0.20	1.51	0.65	-3.78	2.49	Y
	10/12/84	2.00	2.00	0.27	0.54	0.14	0.30	N
	04/01/85	3.00	2.00	-1.50	2.25	-0.50	0.82	Y

Well identifier	Date sampled	Plutonium -239, -240(undivided) concentration (RESL) (uci/mL x10-11)	+/- uncer-tainty	Plutonium -239, -240(undivided) concentration (EAL) (uci/mL x10-11)	+/- uncer-tainty	Ratio	Sr	Remarks
37	04/09/82	-0.20	0.20	3.00	0.36	-15.00	15.11	Y
	10/10/84	-0.60	1.30	-0.12	0.36	0.20	0.74	Y
40	04/09/82	3.60	0.50	4.42	0.80	1.23	0.28	Y
43	04/09/82	0.10	0.20	0.00	0.70	0.00	UND	
47	04/09/82	0.20	0.20	0.00	0.43	0.00	UND	
65	04/09/82	-0.20	0.20	0.00	0.27	0.00	UND	
	04/17/84	0.13	0.19	0.00	1.10	0.00	UND	
67	04/12/84	0.30	0.20	2.10	0.69	7.00	5.20	Y
87	04/09/81	0.00	2.00	0.00	2.50	UND	UND	
88	04/09/81	1.00	2.00	0.15	0.08	0.15	0.31	N
90	04/09/81	1.00	2.00	2.30	2.30	2.30	5.14	Y
	04/08/82	-1.40	1.20	3.40	2.50	-2.43	2.74	Y
108	04/13/84	0.14	0.20	0.57	0.38	4.09	6.44	Y
CPP -1	05/13/85	-0.20	0.40	3.28	0.59	-16.40	32.93	Y
RWMC	04/18/84	0.20	0.20	0.65	0.43	3.24	3.88	Y
	10/12/84	0.00	2.00	0.82	0.55	UND	UND	
	04/01/85	0.00	2.00	1.40	1.40	UND	UND	

Table 4.-- Comparison of blind replicate plutonium-238 and plutonium-239,240 (undivided) analyses from the Radiological and Environmental Sciences Laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; UND -- statistical equation resulted in an undefined number. Remarks: N -- indicates analytical results not in statistical agreement; Y -- indicates statistical agreement. Negative value of plutonium concentration indicates that the activity of the sample was less than the blank used to calibrate the analytical instrument.]

Well identifier	Date sampled	Plutonium -238 concentration (sample) (uCi/mL x10-11)	+/- uncer-tainty	Plutonium -238 concentration (blind replicate) (uCi/mL x10-11)	+/- uncer-tainty	R	SR	Remarks
88	04/05/88	-1.00	2.00	-4.00	3.00	4.0	8.5	Y
	06/24/88	-2.00	2.00	-2.00	-2.00	1.0	1.4	Y
117	10/19/87	-5.00	2.00	-1.00	3.00	0.2	0.6	Y
CFA -1	01/05/88	13.00	6.00	-1.40	3.30	-0.1	0.3	N
NPR Test	10/15/87	2.00	3.00	0.00	3.00	0.0	UND	

Well identifier	Date sampled	Plutonium -239, -240(undivided) concentration (sample) (uCi/mL x10-11)	+/- uncer-tainty	Plutonium -239, -240(undivided) concentration (blind replicate) (uCi/mL x10-11)	+/- uncer-tainty	R	SR	Remarks
88	04/05/88	-0.50	1.50	-0.10	1.60	0.2	3.3	Y
	06/24/88	0.00	2.00	1.50	1.60	UND	UND	
117	10/19/87	0.00	2.00	0.00	2.00	UND	UND	
CFA -1	01/05/88	0.00	3.00	0.00	2.00	UND	UND	
NPR Test	10/15/87	3.00	2.00	-1.80	1.70	-0.6	0.7	N

Table 5.-- Comparison of strontium-90 analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Environmental Analytical Laboratory (EAL)

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; UND -- statistical equation resulted in an undefined number. Remarks: N -- indicates analytical results not in statistical agreement; Y -- indicates statistical agreement.]

Well identifier	Date sampled	Strontium-90 concentration (RESL) (uCi/mL x10-9)	+/- uncer-tainty	Strontium-90 concentration (EAL) (uCi/mL x10-9)	+/- uncer-tainty	R	SR	Remarks
37	07/13/81	14.00	2.00	5.80	0.35	0.41	0.06	N
	10/07/81	25.00	3.00	22.70	1.50	0.91	0.12	Y
	01/20/82	29.00	4.00	21.20	1.30	0.73	0.11	N
	04/09/82	25.00	3.00	7.75	0.54	0.31	0.04	N
40	07/13/81	200.00	10.00	174.00	10.40	0.87	0.07	Y
	10/12/81	150.00	10.00	154.00	9.24	1.03	0.09	Y
	01/20/82	140.00	10.00	128.00	7.68	0.91	0.09	Y
	04/09/82	150.00	10.00	195.00	13.60	1.30	0.13	N
43	10/06/81	32.00	4.00	28.70	2.30	0.90	0.13	Y
	04/09/82	24.00	3.00	34.70	2.80	1.45	0.22	N
47	07/13/81	85.00	6.00	123.00	7.40	1.45	0.13	N
	10/08/81	79.00	5.00	67.50	4.00	0.85	0.07	N
	04/09/82	79.00	6.00	41.60	2.90	0.53	0.05	N
65	07/13/81	1.00	2.00	0.76	0.05	0.76	1.52	Y
	10/07/81	1.00	2.00	2.29	0.16	2.29	4.58	Y
	04/09/82	0.00	2.00	0.00	0.26	UND	UND	
67	10/06/81	61.00	4.00	54.20	3.30	0.89	0.08	Y
90	04/08/82	1.00	2.00	0.00	0.46	0.00	UND	

Table 6.-- Comparison of strontium-90 analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Radioactivity Measurements Laboratory (RML)

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; Y -- indicates statistical agreement. Negative value of strontium concentration indicates that the activity of the sample was less than the blank used to calibrate the analytical instrument.]

Well identifier	Date sampled	Strontium-90 concentration (RESL) (uCi/mL x10-9)	+/- uncer-tainty	Strontium-90 concentration (RML) (uCi/mL x10-9)	+/- uncer-tainty	R	SR	Remarks
87	09/30/87	7.00	1.50	10.00	2.00	1.43	0.42	Y
88	09/30/87	-1.00	1.70	4.00	2.00	-4.00	7.09	Y
89	09/30/87	1.00	2.00	6.00	2.00	6.00	12.17	Y
90	09/30/87	-0.20	1.60	2.00	1.00	-10.00	80.16	Y
RWMC	09/30/87	-0.10	1.40	-0.50	0.50	5.00	70.18	Y

Table 7.-- Comparison of blind replicate strontium-90 analyses from the Radiological and Environmental Sciences Laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; UND -- statistical equation resulted in an undefined number. Remarks: Y -- indicates analytical results are in statistical agreement. Negative value of strontium concentration indicates that the activity of the sample was less than the blank used to calibrate the analytical instrument.]

Well identifier	Date sampled	Strontium-90 concentration (sample) (uCi/mL x10-8)	+/- uncer-tainty	Strontium-90 concentration (blind replicate) (uCi/mL x10-8)	+/- uncer-tainty	R	SR	Remarks
43	04/12/88	0.37	0.16	0.52	0.17	1.41	0.76	Y
57	07/27/88	4.90	0.30	5.40	0.30	1.10	0.09	Y
59	03/31/88	1.80	0.20	1.60	0.20	0.89	0.15	Y
67	10/06/88	2.70	0.30	3.10	0.30	1.15	0.17	Y
76	07/11/88	0.03	1.30	0.00	1.30	0.00	UND	
88	04/05/88	0.00	0.15	0.06	0.14	UND	UND	
	06/24/88	0.09	1.40	0.21	1.50	2.33	39.94	Y
117	10/19/87	0.10	0.14	0.07	0.14	0.70	1.71	Y
CFA -2	04/12/88	0.00	0.15	-0.16	0.14	UND	UND	
NPR Test	10/15/87	0.19	0.16	0.03	0.14	0.16	0.75	Y
P&W 1	04/23/88	3.40	0.30	3.60	0.30	1.06	0.13	Y

Table 8.-- Comparison of blind replicate americium-241 analyses from the Radiological and Environmental Sciences Laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; Remarks: Y -- indicates statistical agreement. Negative value of americium concentration indicates that the activity of the sample was less than the blank used to calibrate the analytical instrument.]

Well identifier	Date sampled	Americium-241 concentration (sample) (uCi/mL x10-11)	+/- uncer-tainty	Americium-241 concentration (blind replicate) (uCi/mL x10-11)	+/- uncer-tainty	R	SR	Remarks
88	04/05/88	-1.00	2.00	4.00	3.00	-4.00	8.54	Y
	06/24/88	-6.00	4.00	-4.00	3.00	0.67	0.67	Y
117	10/19/87	6.00	3.00	1.50	3.20	0.25	0.55	Y
CFA -1	01/05/88	5.00	4.00	1.10	2.60	0.22	0.55	Y
NPR Test	10/15/87	-4.00	3.00	1.00	3.00	-0.25	0.77	Y

Table 9.-- Comparison of blind replicate cesium-137 analyses from the Radiological and Environmental Sciences Laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; UND --statistical equation resulted in an undefined number. Remarks: N -- indicates analytical results not in statistical agreement; Y -- indicates statistical agreement. Negative value of cesium concentration indicates that the activity of the sample was less than the blank used to calibrate the analytical instrument.]

Well identifier	Date sampled	Cesium-137 concentration (sample) (uCi/mL x10-8)	+/- uncer-tainty	Cesium-137 concentration (blind replicate) (uCi/mL x10-8)	+/- uncer-tainty	R	SR	Remarks
43	04/12/88	8.00	3.00	4.00	3.00	0.50	0.42	Y
59	03/31/88	1.80	0.20	1.60	0.20	0.89	0.40	Y
73	04/29/88	1.00	3.00	1.00	2.00	1.00	0.40	Y
76	07/11/88	7.00	4.00	-1.00	3.00	-0.14	0.40	N
88	04/05/88	-2.00	4.00	-3.00	4.00	1.50	0.40	Y
	06/24/88	2.00	3.00	-1.10	2.90	-0.55	0.40	N
117	10/19/87	-1.40	3.60	-0.60	1.40	0.43	1.49	Y
NPR Test	10/15/87	3.00	4.00	-1.40	3.90	-0.47	1.44	Y
P&W 1	04/23/88	0.00	4.00	3.00	3.00	UND	UND	
TRA Disposal	04/25/88	-4.00	4.00	-2.00	4.00	0.50	1.12	Y
	11/10/88	-1.40	2.90	-3.00	4.00	2.14	5.28	Y

Table 10.-- Comparison of blind replicate total dissolved chromium analyses from the Radiological and Environmental Sciences Laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; UND -- statistical equation resulted in an undefined number. Remarks: Y -- indicates analytical results are in statistical agreement. Negative value of total dissolved chromium indicates that the activity of the sample was less than the blank used to calibrate the analytical instrument.]

Well identifier	Date sampled	Total dissolved chromium (sample) (ug/L)	+/- uncer-tainty	Total dissolved chromium (blind replicate) (ug/L)	+/- uncer-tainty	R	SR	Remarks
61	11/17/88	0.00	2.00	-1.00	2.00	UND	UND	
62	04/28/88	0.00	2.00	0.00	2.00	UND	UND	
73	04/29/88	9.00	1.00	8.00	1.00	0.89	0.15	Y
CFA -1	01/05/88	0.00	2.00	0.00	2.00	UND	UND	
Site 14	04/08/88	-1.00	2.00	-1.00	2.00	1.00	2.83	Y
TRA Disposal	04/25/88	0.00	2.00	1.00	2.00	UND	UND	
	11/10/88	0.00	2.00	0.00	2.00	UND	UND	

Table 11.-- Concentrations of selected dissolved trace metals from blind replicate samples analyzed by the National Water Quality Laboratory

[Well identifier: see figures 2, 3, and 4 for locations of wells. Analytical results in ug/L (micrograms per liter).<0.5 indicates the concentration was less than the reporting level of 0.5 ug/L.]

Well identifier	Date sampled	Arsenic	Barium	Beryllium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Remarks
105	09/28/87	2	37	<0.5	<1	<5	<5	<0.1	1	<1	
		2	38	<0.5	<1	<5	<5	<.1	1	<1	Replicate
106	10/06/87	2	44	<0.5	<1	10	<5	<.1	1	<1	
		2	44	<0.5	<1	10	<5	<.1	1	<1	Replicate
117	10/19/87	3	18	<0.5	<1	20	<5	<.1	1	<1	
		3	18	<0.5	<1	20	<5	<.1	1	<1	Replicate
NPR Test	10/15/87	2	72	<0.5	<1	6	<5	<.1	1	<1	
		2	72	<0.5	<1	7	<5	<.1	1	<1	Replicate

Table 12.-- Comparison of blind replicate sodium analyses from the Radiological and Environmental Sciences Laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; Remarks: Y -- indicates analytical results are in statiscical agreement.]

Well identifier	Date sampled	Sodium concentration (sample) (mg/L)	+/- uncer- tainty	Sodium concentration (blind replicate) (mg/L)	+/- uncer- tainty	R	SR	Remarks
61	11/17/88	5.00	2.00	5.00	2.00	1.00	0.57	Y
67	10/06/88	43.00	4.00	45.00	5.00	1.05	0.15	Y
105	09/28/87	14.00	1.00	14.00	1.00	1.00	0.10	Y
106	10/06/87	7.00	2.00	7.00	2.00	1.00	0.40	Y
	10/19/88	6.00	2.00	6.00	2.00	1.00	0.47	Y
117	10/19/87	9.00	2.00	9.00	2.00	1.00	0.31	Y
CFA -1	01/05/88	27.00	3.00	27.00	3.00	1.00	0.16	Y
CFA -2	04/12/88	18.00	2.00	16.00	2.00	0.89	0.15	Y
EBR -1	10/28/88	6.00	2.00	6.00	2.00	1.00	0.47	Y
NPR Test	10/15/87	8.00	2.00	8.00	2.00	1.00	0.35	Y
TRA Disposal	11/10/88	10.00	2.00	9.00	2.00	0.90	0.27	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; UND -- statistical equation resulted in an undefined number. Remarks: T -- indicates a thief sample; P -- indicates a perched water sample; B -- indicates a bailer sample; F -- indicates a faucet sample; S -- indicates a surface water sample; all other samples are from the regional aquifer. N -- indicates analytical results not in statistical agreement; Y -- indicates statistical agreement.]

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
8	04/15/82	8	1	8	1	1.00	0.18	T,Y
	10/04/82	11	1	9	1	0.82	0.12	Y
	10/07/83	6	1	8	1	1.33	0.28	Y
	04/27/84	7	2	8	1	1.14	0.36	Y
	10/12/84	8	2	10	1	1.25	0.34	Y
	04/17/85	7	2	4	1	0.57	0.22	Y
9	04/02/81	25	2	23	2	0.92	0.11	Y
	10/09/81	24	2	23	2	0.96	0.12	Y
	04/15/82	30	3	30	3	1.00	0.14	Y
	10/04/82	34	3	40	4	1.18	0.16	Y
	10/07/83	56	6	51	5	0.91	0.13	Y
	04/10/84	39	4	37	4	0.95	0.14	Y
	10/18/84	28	3	35	4	1.25	0.20	Y
	04/18/85	32	3	36	4	1.13	0.16	Y
11	04/02/81	10	1	13	2	1.30	0.24	T,Y
	10/09/81	13	1	12	1	0.92	0.10	Y
	04/15/82	10	1	10	1	1.00	0.14	Y
	10/04/82	14	1	13	1	0.93	0.10	Y
	10/07/83	8	1	11	1	1.38	0.21	Y
	04/16/84	9	2	10	1	1.11	0.27	Y
	10/05/84	10	1	11	2	1.10	0.23	Y
	04/17/85	10	1	9	1	0.90	0.13	Y
13	04/15/82	47	5	46	5	0.98	0.15	T,Y
	10/17/83	49	5	45	5	0.92	0.14	Y
	04/30/84	37	4	47	5	1.27	0.19	Y
	10/17/84	41	4	53	6	1.29	0.19	Y
	04/17/85	41	4	42	4	1.02	0.14	Y
14	04/02/81	22	2	24	3	1.09	0.17	T,Y
	10/09/81	19	2	17	2	0.89	0.14	Y
	04/15/82	25	2	23	2	0.92	0.11	Y
	10/04/82	26	3	26	2	1.00	0.14	Y
	10/07/83	30	3	27	3	0.90	0.13	Y
	04/16/84	23	2	26	3	1.13	0.16	Y
	10/05/84	24	2	28	3	1.17	0.16	Y
	04/17/85	25	3	23	3	0.92	0.16	Y
20	04/22/81	20	2	24	3	1.20	0.19	T,Y
	10/05/81	24	2	20	2	0.83	0.11	Y
	04/09/82	29	3	20	2	0.69	0.10	N
	10/06/82	19	2	21	2	1.11	0.16	Y
	10/11/83	20	2	22	2	1.10	0.15	Y
	04/11/84	19	2	22	2	1.16	0.16	Y
	10/03/84	23	2	27	3	1.17	0.17	Y
	04/18/85	25	3	24	3	0.96	0.17	Y
22	04/15/81	73	7	71	8	0.97	0.14	T,Y
	10/06/81	72	7	69	7	0.96	0.13	Y
	04/08/82	39	4	44	4	1.13	0.15	Y
	10/05/82	48	5	47	5	0.98	0.15	Y
	10/05/83	50	5	55	6	1.10	0.16	Y
	04/12/84	52	5	55	6	1.06	0.15	Y
	10/12/84	52	5	62	7	1.19	0.18	Y
	04/18/85	58	6	58	6	1.00	0.15	Y
34	04/17/81	16	2	17	2	1.06	0.18	T,Y
	10/08/81	18	2	15	2	0.83	0.14	Y
	04/09/82	20	2	15	2	0.75	0.13	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
34	10/07/82	14	1	16	2	1.14	0.16	Y
	10/13/83	14	1	15	2	1.07	0.16	Y
	04/10/84	11	1	13	2	1.18	0.21	Y
	10/09/84	14	1	15	2	1.07	0.16	Y
	04/22/85	15	2	17	2	1.13	0.20	Y
35	04/17/81	14	1	14	2	1.00	0.16	T,Y
	10/08/81	16	2	13	1	0.81	0.12	Y
	04/09/82	17	2	13	1	0.76	0.11	N
	10/07/82	13	1	14	1	1.08	0.11	Y
	10/13/83	11	1	12	1	1.09	0.13	Y
	04/10/84	9	1	10	1	1.11	0.17	Y
	10/09/84	10	2	12	2	1.24	0.33	Y
	04/22/85	8	2	5	1	0.63	0.20	Y
36	04/17/81	51	5	50	5	0.98	0.14	T,Y
	10/08/81	53	5	52	5	0.98	0.13	Y
	04/09/82	43	4	36	4	0.84	0.12	Y
	10/07/82	31	3	32	3	1.03	0.14	Y
	10/13/83	44	4	41	4	0.93	0.12	Y
	04/10/84	43	4	48	5	1.12	0.16	Y
	10/09/84	49	5	59	5	1.20	0.16	Y
	04/22/85	49	5	51	5	1.04	0.15	Y
37	04/17/81	60	6	65	7	1.08	0.16	Y
	10/07/81	66	7	72	7	1.09	0.16	Y
	07/06/82	97	10	77	8	0.79	0.12	Y
	10/07/82	85	9	92	10	1.08	0.16	Y
	10/10/83	69	7	63	6	0.91	0.13	Y
	01/13/84	73	7	84	9	1.15	0.17	Y
	04/17/84	69	7	73	7	1.06	0.15	Y
	10/10/84	52	5	55	5	1.06	0.14	Y
	04/26/85	44	4	43	4	0.98	0.13	Y
	07/11/85	39	4	48	5	1.23	0.18	Y
38	04/17/81	64	6	74	8	1.16	0.17	T,Y
	04/09/82	92	9	88	9	0.96	0.14	Y
	10/07/82	92	9	96	10	1.04	0.15	Y
	10/13/83	68	7	58	6	0.85	0.12	Y
	04/10/84	71	7	80	8	1.13	0.16	Y
	10/09/84	67	7	73	8	1.09	0.16	Y
	04/22/85	54	5	58	6	1.07	0.15	Y
39	04/17/81	14	1	15	2	1.07	0.16	T,Y
	10/08/81	16	2	13	1	0.81	0.12	Y
	04/09/82	14	1	13	1	0.93	0.10	Y
	10/07/82	12	1	13	1	1.08	0.12	Y
	10/13/83	11	1	10	1	0.91	0.12	Y
	04/10/84	9	1	10	1	1.11	0.17	Y
	10/09/84	9	2	12	1	1.33	0.32	Y
	04/22/85	8	2	4	1	0.50	0.18	N
40	04/09/81	180	18	185	19	1.03	0.15	Y
	10/12/81	150	15	155	16	1.03	0.15	Y
	04/09/82	194	19	170	17	0.88	0.12	Y
	07/06/82	179	18	140	14	0.78	0.11	Y
	10/07/82	148	15	134	13	0.91	0.13	Y
	10/10/83	151	15	145	15	0.96	0.14	Y
	01/10/84	155	16	140	14	0.90	0.13	Y
	04/17/84	102	10	130	13	1.27	0.18	Y
	10/16/84	44	4	46	5	1.05	0.15	Y
	01/08/85	35	4	32	3	0.91	0.14	Y
	04/29/85	32	3	29	3	0.91	0.13	Y
	07/12/85	27	3	39	4	1.44	0.22	Y
41	04/24/81	72	7	74	8	1.03	0.15	T,Y
	10/08/81	80	8	85	9	1.06	0.15	Y
	04/09/82	168	17	150	15	0.89	0.13	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
41	10/06/82	27	3	36	4	1.33	0.21	Y
	10/12/83	43	4	41	4	0.95	0.13	Y
	04/10/84	35	4	38	4	1.09	0.17	Y
	10/16/84	22	2	24	3	1.09	0.17	Y
	04/23/85	48	5	49	5	1.02	0.15	Y
42	04/24/81	70	7	70	7	1.00	0.14	T,Y
	10/08/81	94	9	96	10	1.02	0.14	Y
	04/09/82	144	14	128	13	0.89	0.12	Y
	10/06/82	40	4	34	3	0.85	0.11	Y
	10/12/83	124	12	130	13	1.05	0.15	Y
	04/10/84	80	8	83	8	1.04	0.14	Y
	10/16/84	25	3	33	4	1.32	0.23	Y
	04/23/85	28	3	29	3	1.04	0.15	Y
43	04/09/81	130	13	113	14	0.87	0.14	Y
	10/06/81	80	8	89	9	1.11	0.16	Y
	04/09/82	68	7	64	6	0.94	0.13	Y
	10/07/82	31	3	33	3	1.06	0.14	Y
	04/17/84	23	2	22	2	0.96	0.12	Y
	10/16/84	28	3	29	3	1.04	0.15	Y
	04/29/85	22	2	20	2	0.91	0.12	Y
44	04/24/81	160	16	177	18	1.11	0.16	T,Y
	10/08/81	150	15	137	14	0.91	0.13	Y
	04/16/82	164	16	145	15	0.88	0.13	Y
	10/06/82	46	5	40	4	0.87	0.13	Y
	10/12/83	108	11	105	10	0.97	0.14	Y
	04/10/84	17	2	20	2	1.18	0.18	Y
	10/09/84	22	2	38	4	1.73	0.24	N
	04/22/85	20	2	19	2	0.95	0.14	Y
45	04/24/81	120	12	135	14	1.13	0.16	T,Y
	10/06/81	88	9	118	12	1.34	0.19	Y
	04/16/82	156	16	140	14	0.90	0.13	Y
	10/06/82	158	6	128	13	0.81	0.09	N
	10/12/83	85	9	76	8	0.89	0.13	Y
	04/10/84	25	3	28	3	1.12	0.18	Y
	10/09/84	24	2	26	3	1.08	0.15	Y
	04/22/85	22	2	18	2	0.82	0.12	Y
46	04/24/81	160	16	172	17	1.08	0.15	T,Y
	10/05/81	150	15	128	13	0.85	0.12	Y
	04/16/82	121	12	118	12	0.98	0.14	Y
	10/06/82	72	7	52	5	0.72	0.10	N
	10/12/83	146	15	135	14	0.92	0.13	Y
	04/13/84	61	6	55	6	0.90	0.13	Y
	10/09/84	48	5	44	5	0.92	0.14	Y
	04/22/85	33	3	33	3	1.00	0.13	Y
47	04/09/81	100	10	135	14	1.35	0.19	Y
	10/08/81	48	5	39	4	0.81	0.12	Y
	04/09/82	52	5	42	4	0.81	0.11	Y
	07/06/82	38	4	33	3	0.87	0.12	Y
	10/07/82	32	3	30	3	0.94	0.13	Y
	10/17/83	155	16	145	15	0.94	0.14	Y
	01/17/84	128	13	140	14	1.09	0.16	Y
	04/11/84	90	9	93	9	1.03	0.14	Y
	10/23/84	27	3	32	4	1.19	0.20	Y
	01/14/85	28	3	24	3	0.86	0.14	Y
	04/23/85	28	3	30	3	1.07	0.16	Y
	07/10/85	17	2	22	3	1.29	0.23	Y
48	04/20/81	60	6	61	7	1.02	0.15	T,Y
	10/06/81	37	4	46	5	1.24	0.19	Y
	04/06/82	43	4	39	4	0.91	0.13	Y
	10/08/82	33	3	34	3	1.03	0.13	Y
	10/20/83	62	6	55	6	0.89	0.13	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
48	04/18/84	34	3	29	3	0.85	0.12	Y
	10/23/84	26	3	29	3	1.12	0.17	Y
	04/23/85	58	6	40	4	0.69	0.10	N
50	04/20/81	100	10	122	13	1.22	0.18	T,Y
	10/06/81	120	12	108	11	0.90	0.13	Y
	04/16/82	122	12	118	12	0.97	0.14	Y
	07/07/82	154	15	115	12	0.75	0.11	N
	10/08/82	155	16	132	13	0.85	0.12	Y
	10/18/83	116	12	100	10	0.86	0.12	Y
	01/13/84	115	12	120	12	1.04	0.15	Y
	04/13/84	100	10	110	11	1.10	0.16	Y
	10/23/84	86	9	110	11	1.28	0.19	Y
	01/10/85	96	10	97	10	1.01	0.15	Y
	04/23/85	94	9	68	7	0.72	0.10	N
	07/12/85	84	8	108	11	1.29	0.18	Y
51	04/24/81	18	2	25	3	1.39	0.23	Y
	10/06/81	19	2	26	3	1.37	0.21	Y
	04/16/82	28	3	26	3	0.93	0.15	Y
	10/06/82	30	3	26	3	0.87	0.13	Y
	10/13/83	30	3	29	3	0.97	0.14	Y
	04/11/84	24	2	27	3	1.13	0.16	Y
	10/10/84	28	3	35	4	1.25	0.20	Y
	04/22/85	27	3	28	3	1.04	0.16	Y
52	04/24/81	150	15	160	16	1.07	0.15	T,Y
	10/06/81	100	10	108	11	1.08	0.15	Y
	04/09/82	152	15	133	13	0.88	0.12	Y
	10/06/82	71	7	57	6	0.80	0.12	Y
	10/13/83	87	9	82	8	0.94	0.13	Y
	04/11/84	41	4	46	5	1.12	0.16	Y
	10/10/84	29	3	33	4	1.14	0.18	Y
	04/23/85	37	4	42	4	1.14	0.16	Y
53	04/24/81	1	1	3	1	3.00	3.16	P,Y
	10/12/81	3	1	1	1	0.33	0.35	Y
	04/16/82	8	1	7	1	0.88	0.17	Y
	10/11/82	8	1	5	1	0.63	0.15	N
	10/14/83	10	1	12	1	1.20	0.16	Y
	04/10/84	6	1	8	1	1.33	0.28	Y
	10/15/84	12	1	18	2	1.50	0.21	N
	04/24/85	5	2	2	1	0.40	0.26	N
54	04/24/81	3	1	1	1	0.33	0.35	P,Y
	10/06/81	1	1	1	1	1.00	1.41	Y
	04/16/82	12	1	12	1	1.00	0.12	Y
	07/07/82	15	2	16	2	1.07	0.19	Y
	10/11/82	18	2	18	2	1.00	0.16	Y
	10/14/83	31	3	32	3	1.03	0.14	Y
	01/12/84	39	4	35	4	0.90	0.14	Y
	04/13/84	30	3	30	3	1.00	0.14	Y
	10/15/84	22	2	30	3	1.36	0.18	Y
	01/08/85	20	2	18	2	0.90	0.13	Y
	04/24/85	20	2	19	2	0.95	0.14	Y
	07/09/85	19	2	104	11	5.47	0.82	N
55	04/24/81	30	3	28	3	0.93	0.14	Y
	10/12/81	29	3	29	3	1.00	0.15	Y
	04/16/82	27	3	24	2	0.89	0.12	Y
	10/11/82	30	3	28	3	0.93	0.14	P,Y
	10/21/83	25	3	27	3	1.08	0.18	Y
	01/11/84	35	4	31	3	0.89	0.13	Y
	04/24/84	26	3	31	3	1.19	0.18	Y
	10/15/84	27	3	36	4	1.33	0.21	Y
	04/24/85	27	3	28	3	1.04	0.16	Y
56	04/24/81	19	2	20	2	1.05	0.15	P,Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
56	10/12/81	31	3	57	6	1.84	0.26	N
	04/16/82	25	2	22	2	0.88	0.11	Y
	10/11/82	10	1	10	1	1.00	0.14	Y
	10/21/83	27	3	26	3	0.96	0.15	Y
	04/18/84	17	2	20	2	1.18	0.18	Y
	10/23/84	23	2	30	3	1.30	0.17	Y
	04/23/85	66	7	53	6	0.80	0.12	Y
57	04/24/81	120	12	117	12	0.98	0.14	Y
	07/13/81	100	10	100	10	1.00	0.14	Y
	10/05/81	100	10	118	12	1.18	0.17	Y
	04/16/82	134	13	124	12	0.93	0.13	Y
	10/06/82	140	14	126	12	0.90	0.12	Y
	10/13/83	127	13	105	11	0.83	0.12	Y
	04/11/84	109	10	120	12	1.10	0.15	Y
	10/10/84	64	6	73	8	1.14	0.16	Y
	04/22/85	56	6	55	6	0.98	0.15	Y
58	04/24/81	14	1	14	1	1.00	0.10	Y
	10/08/81	16	2	12	1	0.75	0.11	N
	10/08/82	12	1	12	1	1.00	0.12	Y
	10/14/83	12	1	14	1	1.17	0.13	Y
	04/18/84	10	1	12	1	1.20	0.16	Y
	10/15/84	12	1	16	2	1.33	0.20	Y
	04/24/85	12	1	13	3	1.08	0.27	Y
59	04/24/81	86	9	92	10	1.07	0.16	Y
	10/06/81	37	4	46	5	1.24	0.19	Y
	04/16/82	40	4	42	4	1.05	0.15	Y
	10/06/82	47	5	39	4	0.83	0.12	Y
	10/13/83	60	6	60	6	1.00	0.14	Y
	04/11/84	37	4	45	6	1.22	0.21	Y
	10/10/84	26	3	33	4	1.27	0.21	Y
	04/22/85	28	3	31	3	1.11	0.16	Y
60	04/16/82	11	1	12	1	1.09	0.13	P,Y
	07/07/82	24	2	20	2	0.83	0.11	Y
	10/11/82	21	2	20	2	0.95	0.13	Y
	10/14/83	28	3	28	3	1.00	0.15	Y
	01/12/84	24	2	24	2	1.00	0.12	Y
	04/13/84	23	2	21	2	0.91	0.12	Y
	10/11/84	22	2	24	3	1.09	0.17	Y
	01/11/85	20	2	18	2	0.90	0.13	Y
	04/24/85	23	2	25	3	1.09	0.16	Y
	07/09/85	21	2	17	2	0.81	0.12	Y
61	04/16/82	8	1	8	1	1.00	0.18	P,Y
	10/11/82	8	1	8	1	1.00	0.18	Y
	10/14/83	9	1	11	1	1.22	0.18	Y
	04/14/84	16	2	16	2	1.00	0.18	Y
	10/18/84	15	2	22	3	1.47	0.28	Y
	04/24/85	18	2	19	2	1.06	0.16	Y
62	04/16/82	5	1	5	1	1.00	0.28	P,Y
	10/11/82	23	2	23	3	1.00	0.16	Y
	10/14/83	34	3	28	3	0.82	0.11	Y
	04/13/84	24	2	26	3	1.08	0.15	Y
	10/18/84	22	2	24	3	1.09	0.17	Y
	04/24/85	22	2	25	3	1.14	0.17	Y
63	04/16/82	33	3	29	3	0.88	0.12	P,Y
	10/11/82	27	3	28	3	1.04	0.16	Y
	10/18/83	27	3	32	3	1.19	0.17	Y
	04/16/84	23	2	34	3	1.48	0.18	N
	10/16/84	22	2	38	4	1.73	0.24	N
	04/24/85	27	3	28	3	1.04	0.16	Y
65	04/09/81	20	2	20	2	1.00	0.14	Y
	10/07/81	19	2	21	2	1.11	0.16	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
65	04/09/82	19	2	19	2	1.00	0.15	Y
	07/06/82	19	2	17	2	0.89	0.14	Y
	10/07/82	19	2	19	2	1.00	0.15	Y
	10/10/83	19	2	20	2	1.05	0.15	Y
	01/16/84	21	2	20	2	0.95	0.13	Y
	04/17/84	15	2	22	2	1.47	0.24	Y
	10/17/84	16	2	23	3	1.44	0.26	Y
	01/10/85	16	2	16	2	1.00	0.18	Y
	04/24/85	19	2	21	2	1.11	0.16	Y
	07/11/85	16	2	19	2	1.19	0.19	Y
66	10/12/82	80	8	67	7	0.84	0.88	T,Y
	10/18/83	86	9	72	7	0.84	0.12	Y
	04/12/84	55	6	50	5	0.91	0.13	Y
	10/16/84	64	6	82	9	1.28	0.18	Y
	04/26/85	54	5	55	6	1.02	0.15	Y
67	04/09/81	140	14	136	14	0.97	0.14	Y
	10/06/81	120	12	137	14	1.14	0.16	Y
	10/07/82	148	15	86	9	0.58	0.08	N
	10/10/83	120	12	132	13	1.10	0.15	Y
	04/12/84	139	14	145	15	1.04	0.15	Y
	10/17/84	86	9	94	10	1.09	0.16	Y
	04/24/85	80	8	73	7	0.91	0.13	Y
68	04/20/81	54	5	46	5	0.85	0.12	P,Y
	07/14/81	60	6	45	4	0.75	0.10	N
	10/12/81	64	6	50	5	0.78	0.11	Y
	04/16/82	65	6	56	6	0.86	0.12	Y
	07/07/82	71	7	46	5	0.65	0.10	N
	10/11/82	66	7	84	9	1.27	0.19	Y
	10/21/83	44	4	45	5	1.02	0.15	Y
	01/16/84	55	6	48	5	0.87	0.13	Y
	04/18/84	43	4	52	5	1.21	0.16	Y
	10/23/84	39	4	50	5	1.28	0.18	Y
	01/10/85	39	4	39	4	1.00	0.15	Y
	04/23/85	50	5	51	5	1.02	0.14	Y
	07/11/85	40	4	49	5	1.23	0.18	Y
69	10/11/82	24	2	28	3	1.17	0.16	P,Y
	10/18/83	23	2	28	3	1.22	0.17	Y
	04/13/84	26	3	32	3	1.23	0.18	Y
	10/16/84	26	3	36	4	1.38	0.22	Y
	04/24/85	25	3	30	3	1.20	0.19	Y
70	04/24/81	26	3	25	3	0.96	0.16	P,Y
	10/12/81	27	3	23	2	0.85	0.12	Y
	04/16/82	27	3	25	3	0.93	0.15	Y
	10/11/82	50	2	47	2	0.94	0.05	Y
	10/18/83	24	2	29	3	1.21	0.16	Y
	04/10/84	19	2	31	3	1.63	0.23	N
	10/15/84	23	2	36	4	1.57	0.22	N
	04/24/85	19	2	23	2	1.21	0.17	Y
71	10/11/82	14	1	17	2	1.21	0.17	T,Y
	10/18/83	13	1	17	2	1.31	0.18	Y
	04/13/84	15	2	21	2	1.40	0.23	Y
	10/16/84	14	1	15	2	1.07	0.16	Y
72	04/18/84	19	2	29	3	1.53	0.23	T,N
	04/23/85	16	2	21	2	1.31	0.21	Y
73	04/24/81	120	12	117	12	0.98	0.14	P,Y
	10/12/81	140	14	112	12	0.80	0.12	Y
	04/16/82	127	13	121	12	0.95	0.14	Y
	10/11/82	50	5	47	5	0.94	0.14	Y
	10/18/83	96	10	104	10	1.08	0.15	Y
	04/13/84	81	8	102	10	1.26	0.18	Y
	10/16/84	64	6	62	7	0.97	0.14	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
73	04/24/85	73	7	80	8	1.10	0.15	Y
76	04/24/81	15	2	15	2	1.00	0.19	Y
	07/13/81	12	1	13	2	1.08	0.19	Y
	10/08/81	15	2	12	1	0.80	0.13	Y
	04/16/82	14	1	15	2	1.07	0.16	Y
	07/07/82	14	1	14	1	1.00	0.10	Y
	10/08/82	14	2	15	2	1.07	0.21	Y
	10/18/83	19	2	17	2	0.89	0.14	Y
	01/13/84	17	2	15	2	0.88	0.16	Y
	02/14/84	14	1	12	1	0.86	0.09	Y
	04/17/84	11	1	18	2	1.64	0.23	N
	10/18/84	14	1	12	1	0.86	0.09	Y
	01/08/85	11	1	11	1	1.00	0.13	Y
	04/26/85	12	1	16	2	1.33	0.20	Y
	07/09/85	10	1	13	2	1.30	0.24	Y
77	04/17/81	82	8	88	9	1.07	0.15	T,Y
	10/05/81	82	8	78	8	0.95	0.13	Y
	04/09/82	95	9	84	8	0.88	0.12	Y
	09/30/82	98	10	94	10	0.96	0.14	Y
	10/84/83	74	7	86	9	1.16	0.16	Y
	04/11/84	80	8	98	10	1.23	0.18	Y
	10/09/84	82	8	86	9	1.05	0.15	Y
	04/24/85	86	9	94	9	1.09	0.16	Y
79	04/24/81	18	2	18	2	1.00	0.16	T,Y
	10/08/81	18	2	16	2	0.89	0.15	Y
	04/16/82	22	2	17	2	0.77	0.11	N
	10/08/82	15	2	15	2	1.00	0.19	Y
	10/18/83	16	2	18	2	1.13	0.19	Y
	04/10/84	13	1	23	2	1.77	0.21	N
	10/10/84	14	1	15	2	1.07	0.16	Y
	04/26/85	15	2	19	2	1.27	0.22	Y
82	04/22/81	32	3	33	4	1.03	0.16	Y
	10/12/81	34	3	27	3	0.79	0.11	Y
	04/09/82	37	4	35	4	0.95	0.15	Y
	10/06/82	34	3	33	3	0.97	0.12	Y
	10/11/83	52	5	59	6	1.13	0.16	Y
	04/11/84	40	4	57	6	1.43	0.21	N
	10/03/84	48	5	52	6	1.08	0.17	Y
	04/17/85	28	3	35	4	1.25	0.20	Y
83	04/22/81	8	1	7	2	0.88	0.27	Y
	10/05/81	6	1	7	1	1.17	0.26	Y
	04/16/82	8	1	8	1	1.00	0.18	Y
	10/06/82	8	1	8	1	1.00	0.18	Y
	10/05/83	10	1	8	1	0.80	0.13	Y
	04/12/84	4	1	4	1	1.00	0.35	Y
	10/10/84	6	2	6	2	1.00	0.47	Y
	04/18/85	7	2	6	1	0.86	0.28	Y
84	04/24/81	14	1	14	1	1.00	0.10	B,Y
	10/08/81	10	1	8	1	0.80	0.13	Y
	04/16/82	10	1	7	1	0.70	0.12	N
	04/11/84	6	1	9	1	1.50	0.30	Y
	10/16/84	6	2	6	2	1.00	0.47	Y
	04/16/85	6	2	6	1	1.00	0.37	Y
85	04/17/81	34	3	37	4	1.09	0.15	T,Y
	10/05/81	37	4	35	4	0.95	0.15	Y
	04/09/82	38	4	35	4	0.92	0.14	Y
	10/07/82	32	3	32	3	1.00	0.13	Y
	10/13/83	30	3	33	3	1.10	0.15	Y
	04/11/84	22	2	28	2	1.27	0.15	Y
	10/03/84	23	2	23	3	1.00	0.16	Y
	04/16/85	22	2	26	3	1.18	0.17	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
86	04/09/81	19	2	24	3	1.26	0.21	Y
	10/09/81	22	2	16	2	0.73	0.11	N
	04/16/82	18	2	23	2	1.28	0.18	Y
	10/08/82	21	2	23	2	1.10	0.14	Y
	10/07/83	17	2	23	2	1.35	0.20	Y
	10/12/84	20	2	19	2	0.95	0.14	Y
	04/16/85	20	2	22	2	1.10	0.15	Y
87	04/09/81	15	2	18	2	1.20	0.21	Y
	07/13/81	12	1	13	2	1.08	0.19	Y
	10/07/81	26	3	25	3	0.96	0.16	Y
	07/06/82	19	2	18	2	0.95	0.15	Y
	10/07/82	21	2	20	2	0.95	0.13	Y
	10/06/83	19	2	16	2	0.84	0.14	Y
	01/10/84	14	1	16	2	1.14	0.16	Y
	04/17/84	14	1	17	2	1.21	0.17	Y
	10/10/84	15	2	13	2	0.87	0.18	Y
	01/09/85	20	2	19	2	0.95	0.14	Y
	04/16/85	14	1	14	1	1.00	0.10	Y
	07/11/85	15	2	17	2	1.13	0.20	Y
88	04/09/81	82	8	81	9	0.99	0.15	Y
	07/13/81	82	8	72	8	0.88	0.13	Y
	10/07/81	66	7	67	7	1.02	0.15	Y
	07/06/82	91	9	77	8	0.85	0.12	Y
	10/06/82	80	8	78	8	0.98	0.14	Y
	10/06/83	98	10	130	13	1.33	0.19	Y
	01/10/84	137	14	140	14	1.02	0.15	Y
	04/18/84	105	10	140	14	1.33	0.18	Y
	10/10/84	98	10	110	11	1.12	0.16	Y
	01/10/85	96	10	100	10	1.04	0.15	Y
	04/26/85	105	11	110	11	1.05	0.15	Y
	07/11/85	84	8	115	12	1.37	0.19	Y
89	04/09/81	46	5	49	5	1.07	0.16	Y
	07/13/81	44	4	45	4	1.02	0.13	Y
	10/07/81	44	4	43	4	0.98	0.13	Y
	07/07/82	51	5	42	4	0.82	0.11	Y
	10/06/82	50	5	47	5	0.94	0.14	Y
	10/06/83	25	3	37	4	1.48	0.24	Y
	01/10/84	36	4	17	2	0.47	0.08	N
	04/18/84	27	3	38	4	1.41	0.22	Y
	10/17/84	26	3	28	3	1.08	0.17	Y
	01/11/85	64	6	70	7	1.09	0.15	Y
	04/18/85	78	8	86	9	1.10	0.16	Y
	07/11/85	60	6	69	7	1.15	0.16	Y
90	04/09/81	12	1	13	2	1.08	0.19	Y
	07/13/81	13	1	13	2	1.00	0.17	Y
	10/08/81	13	1	13	1	1.00	0.11	Y
	07/06/82	12	1	11	1	0.92	0.11	Y
	10/06/82	11	1	15	2	1.36	0.22	Y
	10/06/83	11	1	14	1	1.27	0.15	Y
	01/10/84	12	1	14	2	1.17	0.19	Y
	04/17/84	10	1	14	1	1.40	0.17	N
	10/10/84	12	1	13	2	1.08	0.19	Y
	01/10/85	18	2	17	2	0.94	0.15	Y
92	04/22/81	80	8	90	9	1.13	0.16	B,Y
	10/08/81	72	7	75	8	1.04	0.15	Y
	10/06/82	86	9	90	9	1.05	0.15	Y
	10/06/83	67	7	82	8	1.22	0.17	Y
	04/18/84	69	7	88	9	1.28	0.18	Y
	10/23/84	68	7	74	8	1.09	0.16	Y
	04/29/85	76	8	82	8	1.08	0.15	Y
97	04/17/81	31	3	37	4	1.19	0.17	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
97	07/13/81	44	4	34	3	0.77	0.10	N
	10/07/81	36	4	33	3	0.92	0.13	Y
	04/09/82	37	4	39	4	1.05	0.16	Y
	07/07/82	35	4	33	3	0.94	0.14	Y
	10/07/82	38	4	39	4	1.03	0.15	Y
	10/11/83	30	3	37	4	1.23	0.18	Y
	02/09/84	37	4	32	3	0.86	0.12	Y
	04/11/84	28	3	38	4	1.36	0.20	Y
	10/03/84	29	3	30	3	1.03	0.15	Y
	01/11/85	31	3	29	3	0.94	0.13	Y
	04/23/85	31	3	34	3	1.10	0.14	Y
	07/09/85	26	3	34	4	1.31	0.22	Y
98	04/17/81	18	2	19	2	1.06	0.16	Y
	10/07/81	16	2	14	1	0.88	0.13	Y
	04/09/82	18	2	19	2	1.06	0.16	Y
	07/07/82	15	2	20	2	1.33	0.22	Y
	10/07/82	16	1	20	2	1.25	0.15	Y
	10/11/83	14	1	19	2	1.36	0.17	N
	01/12/84	19	2	21	2	1.11	0.16	Y
	02/09/84	16	2	19	2	1.19	0.19	Y
	04/10/84	14	1	19	2	1.36	0.17	N
	10/03/84	15	2	14	2	0.93	0.18	Y
	01/08/85	15	2	13	2	0.87	0.18	Y
	04/23/85	14	1	17	2	1.21	0.17	Y
	07/09/85	12	1	16	2	1.33	0.20	Y
99	04/17/81	27	3	26	3	0.96	0.15	Y
	10/07/81	25	2	17	2	0.68	0.10	N
	04/09/82	24	2	25	2	1.04	0.12	Y
	07/07/82	23	2	22	2	0.96	0.12	Y
	10/07/82	19	2	24	2	1.26	0.17	Y
	10/11/83	16	2	22	2	1.38	0.21	Y
	01/12/84	25	3	23	2	0.92	0.14	Y
	02/09/84	21	2	20	2	0.95	0.13	Y
	04/10/84	19	2	21	2	1.11	0.16	Y
	10/03/84	17	2	17	2	1.00	0.17	Y
	01/11/85	18	2	16	2	0.89	0.15	Y
	04/24/85	18	2	19	2	1.06	0.16	Y
	07/09/85	15	2	25	2	1.67	0.26	N
100	04/23/81	17	2	17	2	1.00	0.17	Y
	07/13/81	21	2	17	2	0.81	0.12	Y
	10/08/81	15	2	11	1	0.73	0.12	N
	04/08/82	13	1	17	2	1.31	0.18	Y
	07/07/82	17	2	17	2	1.00	0.17	Y
	10/08/82	15	2	16	2	1.07	0.19	Y
	10/10/83	11	1	16	2	1.45	0.22	N
	02/09/84	14	1	14	1	1.00	0.10	Y
	04/11/84	14	1	19	2	1.36	0.17	N
	10/17/84	13	1	14	2	1.08	0.17	Y
	01/11/85	14	1	13	2	0.93	0.16	Y
	04/19/85	14	1	18	2	1.29	0.17	Y
	07/10/85	14	1	17	2	1.21	0.17	Y
101	04/23/81	10	1	11	1	1.10	0.15	Y
	10/08/81	10	1	12	1	1.20	0.16	Y
	04/08/82	9	1	17	2	1.89	0.31	N
	10/08/82	16	2	21	2	1.31	0.21	Y
	10/10/83	10	1	12	1	1.20	0.16	Y
	04/17/84	10	1	11	1	1.10	0.15	Y
	10/17/84	12	1	21	2	1.75	0.22	N
	04/19/85	25	3	23	2	0.92	0.14	Y
103	04/02/81	15	2	16	2	1.07	0.19	Y
	07/10/81	17	2	14	2	0.82	0.15	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
103	10/07/81	11	1	15	2	1.36	0.22	Y
	04/15/82	14	1	15	2	1.07	0.16	Y
	07/07/82	15	2	15	2	1.00	0.19	Y
	10/04/82	13	1	14	2	1.08	0.17	Y
	10/05/83	11	1	16	2	1.45	0.22	N
	04/13/84	13	1	14	1	1.08	0.11	Y
	10/03/84	13	1	13	2	1.00	0.17	Y
	04/18/85	13	1	15	2	1.15	0.18	Y
	07/12/85	12	1	15	2	1.25	0.20	Y
104	04/02/81	11	1	12	1	1.09	0.13	Y
	07/10/81	12	1	13	1	1.08	0.12	Y
	10/05/81	11	1	12	1	1.09	0.13	Y
	04/08/82	12	1	13	1	1.08	0.12	Y
	07/07/82	11	1	11	1	1.00	0.13	Y
	10/04/82	11	1	12	1	1.09	0.13	Y
	10/05/83	11	1	12	1	1.09	0.13	Y
	02/10/84	10	1	11	1	1.10	0.15	Y
	04/12/84	9	1	12	1	1.33	0.19	Y
	10/12/84	11	1	10	1	0.91	0.12	Y
	04/18/85	10	1	10	1	1.00	0.14	Y
	07/10/85	9	2	10	1	1.11	0.27	Y
105	01/07/81	27	3	27	3	1.00	0.16	Y
	04/02/81	23	3	16	2	0.70	0.13	N
	07/11/81	24	2	21	2	0.88	0.11	Y
	10/07/81	21	2	20	2	0.95	0.13	Y
	04/08/82	21	2	22	2	1.05	0.14	Y
	10/05/82	17	2	19	2	1.12	0.18	Y
	01/13/84	16	2	16	2	1.00	0.18	Y
	04/17/84	18	2	14	1	0.78	0.10	N
	10/12/84	12	1	11	1	0.92	0.11	Y
	04/18/85	10	2	9	1	0.90	0.21	Y
106	01/14/81	27	3	18	2	0.67	0.10	N
	04/15/81	16	2	20	2	1.25	0.20	Y
	07/10/81	15	2	14	2	0.93	0.18	Y
	10/05/81	13	1	12	1	0.92	0.10	Y
	01/20/82	15	2	14	2	0.93	0.18	Y
	04/08/82	16	2	15	1	0.94	0.13	Y
	07/07/82	15	2	13	1	0.87	0.13	Y
	10/05/82	15	2	15	2	1.00	0.19	Y
	10/05/83	11	1	14	1	1.27	0.15	Y
	01/17/84	19	2	16	2	0.84	0.14	Y
	04/12/84	10	1	17	2	1.70	0.26	N
	10/12/84	14	1	13	2	0.93	0.16	Y
	01/08/85	12	1	12	2	1.00	0.19	Y
	04/18/85	14	1	12	1	0.86	0.09	Y
	07/10/85	12	1	15	2	1.25	0.20	Y
107	04/02/81	20	2	21	3	1.05	0.18	Y
	07/10/81	20	2	17	2	0.85	0.13	Y
	10/06/81	18	2	17	2	0.94	0.15	Y
	04/08/82	22	2	21	2	0.95	0.13	Y
	10/05/82	19	2	20	2	1.05	0.15	Y
	10/05/83	15	2	20	2	1.33	0.22	Y
	04/13/84	19	2	20	2	1.05	0.15	Y
	10/03/84	17	2	17	2	1.00	0.17	Y
	04/18/85	17	2	21	2	1.24	0.19	Y
108	12/31/80	17	2	16	2	0.94	0.16	Y
	04/02/81	15	2	16	2	1.07	0.19	Y
	07/11/81	16	2	15	2	0.94	0.17	Y
	10/07/81	14	1	13	1	0.93	0.10	Y
	04/08/82	15	1	15	2	1.00	0.15	Y
	10/05/82	15	2	15	2	1.00	0.19	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
108	04/13/84	15	2	16	2	1.07	0.19	Y
	10/09/84	18	2	17	2	0.94	0.15	Y
	04/23/85	17	2	20	2	1.18	0.18	Y
109	04/02/81	21	2	22	3	1.05	0.17	Y
	07/11/81	23	2	19	2	0.83	0.11	Y
	10/09/81	19	2	20	2	1.05	0.15	Y
	04/15/82	19	2	22	2	1.16	0.16	Y
	10/04/82	21	2	21	2	1.00	0.13	Y
	10/07/83	53	5	66	7	1.25	0.18	Y
	04/16/84	18	2	17	2	0.94	0.15	Y
110	04/02/81	20	2	23	3	1.15	0.19	Y
	10/07/81	18	2	19	2	1.06	0.16	Y
	04/08/82	23	2	20	2	0.87	0.12	Y
	10/05/82	19	2	22	2	1.16	0.16	Y
	10/05/83	15	2	20	2	1.33	0.22	Y
	04/13/84	18	2	13	1	0.72	0.10	N
	10/03/84	17	2	17	2	1.00	0.17	Y
	04/18/85	17	2	20	2	1.18	0.18	Y
Atomic City	04/02/81	18	2	19	2	1.06	0.16	F,Y
	10/07/81	14	1	17	2	1.21	0.17	Y
	04/08/82	20	2	18	2	0.90	0.13	Y
	10/05/82	16	2	17	2	1.06	0.18	Y
	10/05/83	13	1	18	2	1.38	0.19	Y
	04/13/84	17	2	17	2	1.00	0.17	Y
	10/03/84	15	2	17	2	1.13	0.20	Y
	04/18/85	16	2	18	2	1.13	0.19	Y
Cerro Grande	04/15/81	18	2	19	2	1.06	0.16	T,Y
	10/07/81	9	1	20	2	2.22	0.33	N
	04/15/82	16	2	20	2	1.25	0.20	Y
	10/04/82	15	1	17	2	1.13	0.15	Y
	10/05/83	11	1	15	2	1.36	0.22	Y
	04/13/84	14	1	13	1	0.93	0.10	Y
	10/05/84	12	1	11	1	0.92	0.11	Y
	04/18/85	10	1	11	1	1.10	0.15	Y
CFA -1	04/30/81	82	8	84	9	1.02	0.15	Y
	10/13/81	82	8	82	8	1.00	0.14	Y
	04/15/82	85	8	85	9	1.00	0.14	Y
	07/06/82	91	9	74	7	0.81	0.11	Y
	10/11/82	86	9	70	7	0.81	0.12	Y
	10/06/83	78	8	81	8	1.04	0.15	Y
	01/10/84	67	7	64	6	0.96	0.13	Y
	04/16/84	58	6	63	6	1.09	0.15	Y
	10/12/84	52	5	60	6	1.15	0.16	Y
	01/14/85	64	6	67	7	1.05	0.15	Y
	04/26/85	59	6	76	8	1.29	0.19	Y
	07/15/85	68	7	92	10	1.35	0.20	Y
CFA -2	04/30/81	86	9	92	10	1.07	0.16	Y
	10/13/81	80	8	82	8	1.03	0.14	Y
	04/15/82	103	10	100	10	0.97	0.14	Y
	07/06/82	89	9	81	8	0.91	0.13	Y
	10/11/82	128	13	103	11	0.80	0.12	Y
	10/06/83	72	7	81	8	1.13	0.16	Y
	01/10/84	76	8	60	6	0.79	0.11	Y
	04/16/84	83	8	120	12	1.45	0.20	N
	10/12/84	76	8	98	10	1.29	0.19	Y
	01/14/85	74	7	83	8	1.12	0.15	Y
	04/26/85	64	6	63	7	0.98	0.14	Y
	07/15/85	68	7	88	9	1.29	0.19	Y
CPP -1	07/13/81	21	2	26	3	1.24	0.19	Y
	10/06/81	54	5	50	5	0.93	0.13	Y
	04/09/82	33	3	33	3	1.00	0.13	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
CPP -1	07/07/82	26	3	24	2	0.92	0.13	Y
	10/08/82	27	3	31	3	1.15	0.17	Y
	10/17/83	18	2	23	2	1.28	0.18	Y
	01/09/84	23	2	25	3	1.09	0.16	Y
	04/18/84	14	1	15	2	1.07	0.16	Y
	10/23/84	13	1	12	2	0.92	0.17	Y
	01/14/85	13	1	12	2	0.92	0.17	Y
	05/13/85	14	1	15	2	1.07	0.16	Y
	07/11/85	14	1	16	2	1.14	0.16	Y
CPP -2	04/24/81	30	3	33	4	1.10	0.17	Y
	10/06/81	26	3	23	2	0.88	0.13	Y
	10/11/82	13	1	16	2	1.23	0.18	Y
	10/18/83	13	1	13	1	1.00	0.11	Y
	04/26/84	11	1	12	1	1.09	0.13	Y
	11/07/84	11	1	13	2	1.18	0.21	Y
	04/29/85	15	2	12	2	0.80	0.17	Y
	07/12/85	11	1	14	2	1.27	0.22	Y
CPP -4	05/10/85	17	2	14	2	0.82	0.15	Y
	07/11/85	15	2	19	2	1.27	0.22	Y
CWP -1	10/11/82	21	2	25	2	1.19	0.15	P,Y
	10/19/83	30	3	37	2	1.23	0.14	Y
	04/13/84	30	3	38	4	1.27	0.18	Y
	10/16/84	22	2	24	3	1.09	0.17	Y
	04/26/85	28	3	33	3	1.18	0.17	Y
CWP -2	10/19/83	18	2	33	3	1.83	0.26	P,N
	04/13/84	26	3	31	3	1.19	0.18	Y
	10/16/84	26	3	26	3	1.00	0.16	Y
	04/26/85	27	3	31	3	1.15	0.17	Y
CWP -3	10/11/82	18	2	19	2	1.06	0.16	P,Y
	10/19/83	21	2	31	3	1.48	0.20	N
	04/13/84	23	2	25	3	1.09	0.16	Y
	10/16/84	14	1	14	2	1.00	0.16	Y
	04/26/85	20	2	29	3	1.45	0.21	N
CWP -4	10/11/82	20	2	25	3	1.25	0.20	P,Y
	10/19/83	18	2	24	2	1.33	0.19	Y
	04/13/84	21	2	23	2	1.10	0.14	Y
	10/16/84	22	2	24	3	1.09	0.17	Y
	04/26/85	17	2	22	2	1.29	0.19	Y
CWP -5	10/11/82	19	2	23	2	1.21	0.17	P,Y
	04/26/85	20	2	24	3	1.20	0.19	Y
CWP -8	10/11/82	20	2	23	2	1.15	0.15	P,Y
	10/19/83	22	2	30	3	1.36	0.18	Y
	04/13/84	18	2	17	2	0.94	0.15	Y
	10/16/84	22	2	23	3	1.05	0.17	Y
CWP -9	10/11/82	4	1	4	1	1.00	0.35	P,Y
	10/19/83	3	1	3	1	1.00	0.47	Y
	04/13/84	3	1	4	1	1.33	0.56	Y
	10/16/84	2	1	1	1	0.50	0.56	Y
	04/26/85	2	1	2	2	1.00	1.12	Y
EBR 1	04/30/81	8	1	8	1	1.00	0.18	Y
	10/13/81	19	2	7	1	0.37	0.07	N
	04/15/82	7	1	7	1	1.00	0.20	Y
	10/11/82	7	1	6	1	0.86	0.19	Y
	10/06/83	6	1	8	1	1.33	0.28	Y
	04/16/84	6	2	8	1	1.33	0.47	Y
	10/12/84	7	2	5	1	0.71	0.25	Y
	04/26/85	7	2	9	1	1.29	0.39	Y
Fire Sta. 2	04/30/81	19	2	21	3	1.11	0.20	Y
	10/13/81	22	2	19	2	0.86	0.12	Y
	04/15/82	20	2	21	2	1.05	0.15	Y
	07/06/82	20	2	18	2	0.90	0.13	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
Fire Sta. 2	10/12/82	21	2	18	2	0.86	0.13	Y
	10/06/83	18	2	21	2	1.17	0.17	Y
	01/10/84	20	2	21	2	1.05	0.15	Y
	04/16/84	19	2	22	2	1.16	0.16	Y
	10/12/84	17	2	17	2	1.00	0.17	Y
	01/14/85	15	2	14	2	0.93	0.18	Y
	04/26/85	14	1	14	2	1.00	0.16	Y
	07/15/85	13	1	17	2	1.31	0.18	Y
Highway 3	04/15/81	8	1	8	1	1.00	0.18	F,Y
	10/06/81	7	1	7	1	1.00	0.20	Y
	04/08/82	7	1	7	1	1.00	0.20	Y
	10/05/82	7	1	7	1	1.00	0.20	Y
	10/05/83	6	1	8	1	1.33	0.28	Y
	04/10/84	5	1	8	1	1.60	0.38	Y
	10/12/84	6	1	5	1	0.83	0.22	Y
	04/18/85	6	2	5	1	0.83	0.32	Y
Leo Rodgers	07/10/81	16	2	19	2	1.19	0.19	Y
	07/07/82	19	2	19	2	1.00	0.15	Y
	07/12/85	16	2	20	2	1.25	0.20	Y
OMRE	04/15/82	19	2	23	2	1.21	0.17	Y
	10/11/82	17	2	18	2	1.06	0.17	Y
	04/17/84	14	1	18	2	1.29	0.17	Y
	10/12/84	15	2	15	2	1.00	0.19	Y
	04/26/85	18	2	17	2	0.94	0.15	Y
RWMC	04/30/81	13	1	13	2	1.00	0.17	Y
	10/13/81	11	1	11	1	1.00	0.13	Y
	07/06/82	13	1	14	1	1.08	0.11	Y
	10/11/82	13	1	10	1	0.77	0.10	N
	10/06/83	9	1	12	1	1.33	0.19	Y
	01/10/84	13	1	13	1	1.00	0.11	Y
	04/18/84	10	1	4	1	0.40	0.11	N
	10/12/84	11	1	11	1	1.00	0.13	Y
	01/14/85	11	1	10	1	0.91	0.12	Y
	04/26/85	13	1	12	1	0.92	0.10	Y
	07/15/85	11	1	13	2	1.18	0.21	Y
SITE 9	04/15/81	16	2	15	2	0.94	0.17	Y
	10/07/81	13	1	13	1	1.00	0.11	Y
	04/08/82	14	1	16	2	1.14	0.16	Y
	10/06/82	13	1	17	2	1.31	0.18	Y
	10/21/83	12	1	14	1	1.17	0.13	Y
	04/12/84	10	1	15	1	1.50	0.18	N
	10/15/84	12	1	12	2	1.00	0.19	Y
	04/18/85	12	1	13	1	1.08	0.12	Y
SITE 19	04/24/81	16	2	15	2	0.94	0.17	Y
	10/08/81	16	2	13	1	0.81	0.12	Y
	04/16/82	19	2	16	2	0.84	0.14	Y
	10/08/82	11	1	15	2	1.36	0.22	Y
	10/17/83	13	1	16	2	1.23	0.18	Y
	04/10/84	10	1	12	1	1.20	0.16	Y
	10/10/84	14	1	14	2	1.00	0.16	Y
	04/26/85	13	1	15	2	1.15	0.18	Y
SPERT -1	10/07/81	16	2	16	2	1.00	0.18	Y
	04/14/82	16	2	18	2	1.13	0.19	Y
	10/11/82	21	2	24	2	1.14	0.14	Y
	10/06/83	16	2	14	1	0.88	0.13	Y
	04/16/84	28	3	30	3	1.07	0.16	Y
	10/12/84	14	1	15	2	1.07	0.16	Y
	04/26/85	42	4	42	4	1.00	0.13	Y
SWLP 2	04/19/84	147	15	165	17	1.12	0.16	B,Y
	10/17/84	110	11	135	14	1.23	0.18	Y
SWLP 3	04/19/84	127	13	155	16	1.22	0.18	B,Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
SWLP 8	04/19/84	155	16	165	17	1.06	0.16	B,Y
	04/26/85	23	2	23	2	1.00	0.12	Y
SWLP 9	04/19/84	141	13	155	16	1.10	0.15	B,Y
	04/26/85	18	2	24	2	1.33	0.19	Y
SWLP 13	04/19/85	147	15	140	14	0.95	0.14	B,Y
	10/17/84	95	10	115	12	1.21	0.18	Y
	04/26/85	15	2	18	2	1.20	0.21	Y
SWLP 14	04/19/84	147	15	130	14	0.88	0.13	B,Y
	04/26/85	16	2	14	1	0.88	0.13	Y
SWLP 15	04/19/84	135	14	135	14	1.00	0.15	B,Y
	10/17/84	88	9	115	12	1.31	0.19	Y
	04/26/85	16	2	18	2	1.13	0.19	Y
SWLP 16	04/19/84	140	14	135	14	0.96	0.14	B,Y
	04/26/85	17	2	18	2	1.06	0.17	Y
SWLP 22	04/19/84	140	14	140	14	1.00	0.14	B,Y
	04/26/85	15	2	14	1	0.93	0.14	Y
SWLP 23	04/19/84	140	14	130	13	0.93	0.13	B,Y
	04/26/85	15	2	14	2	0.93	0.18	Y
TRA -1	04/29/81	15	2	14	2	0.93	0.18	Y
	10/08/81	11	1	12	1	1.09	0.13	Y
	04/14/82	10	1	14	1	1.40	0.17	N
	10/10/82	12	1	15	2	1.25	0.20	Y
	10/17/83	12	1	14	1	1.17	0.13	Y
	04/19/84	11	1	11	1	1.00	0.13	Y
	10/11/84	12	1	13	2	1.08	0.19	Y
	04/24/85	12	1	11	1	0.92	0.11	Y
TRA -3	04/29/81	14	1	14	2	1.00	0.16	Y
	10/08/81	13	1	12	1	0.92	0.10	Y
	04/14/82	13	1	13	1	1.00	0.11	Y
	10/10/82	10	1	14	1	1.40	0.17	N
	10/17/83	11	1	15	2	1.36	0.22	Y
	04/19/84	10	1	10	1	1.00	0.14	Y
	10/11/84	10	1	11	1	1.10	0.15	Y
	04/24/85	11	1	11	1	1.00	0.13	Y
TRA -4	04/29/81	15	2	15	2	1.00	0.19	Y
	10/08/81	13	1	12	1	0.92	0.10	Y
	04/14/82	11	1	14	1	1.27	0.15	Y
	10/10/82	11	1	14	1	1.27	0.15	Y
	10/17/83	11	1	16	2	1.45	0.22	N
	10/11/84	11	1	10	1	0.91	0.12	Y
	04/24/85	12	1	13	1	1.08	0.12	Y
TRA A-13	04/16/82	18	2	20	2	1.11	0.17	B,Y
	07/07/82	22	2	19	2	0.86	0.12	Y
	10/11/82	27	3	27	3	1.00	0.16	Y
	10/18/83	32	3	37	4	1.16	0.17	Y
	01/12/84	44	4	41	4	0.93	0.12	Y
	04/13/84	35	4	36	4	1.03	0.16	Y
	10/17/84	28	3	33	4	1.18	0.19	Y
	01/08/85	36	4	36	4	1.00	0.16	Y
	04/24/85	22	2	20	2	0.91	0.12	Y
	07/09/85	24	2	28	3	1.17	0.16	Y
TRA A-77	04/20/81	3	1	2	1	0.67	0.40	Y
	07/14/81	1	1	1	1	1.00	1.41	Y
	10/12/81	3	1	0	1	0.00	UND	
	04/16/82	2	1	1	1	0.50	0.56	Y
	07/07/82	4	1	3	1	0.75	0.31	Y
	10/11/82	3	1	1	1	0.33	0.35	B,Y
	01/31/84	4	1	4	1	1.00	0.35	Y
	04/18/84	5	2	4	1	0.80	0.38	Y
	10/23/84	2	2	1	1	0.50	0.71	Y
	01/10/85	2	2	2	1	1.00	1.12	Y

Table 13.-- Comparison of chloride analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Chloride concentration (RESL) (mg/L)	+/- uncer-tainty	Chloride concentration (IDWR) (mg/L)	+/- uncer-tainty	R	SR	Remarks
TRA A-77	04/23/85	2	2	1	1	0.50	0.71	Y
	07/11/85	3	2	3	1	1.00	0.75	Y
INEL -1WS	10/07/81	210	21	170	17	0.81	0.11	Y
	04/12/84	86	9	102	10	1.19	0.17	Y
	10/29/84	82	8	98	10	1.20	0.17	Y
BLR-ARCO	04/21/82	7	1	7	1	1.00	0.20	S,Y
	10/05/82	8	1	7	1	0.88	0.17	Y
	10/19/83	5	1	6	1	1.20	0.31	Y
	04/20/84	8	2	6	1	0.75	0.23	Y
	10/12/84	5	2	5	1	1.00	0.45	Y
	04/19/85	5	2	5	2	1.00	0.57	Y
BLR-DAIRY FARM	04/05/82	5	1	5	1	1.00	0.28	S,Y
	10/07/82	6	1	7	1	1.17	0.26	Y
	10/19/83	5	1	6	1	1.20	0.31	Y
	04/19/84	5	2	5	1	1.00	0.45	Y
	10/18/84	5	2	5	1	1.00	0.45	Y
	04/14/85	5	2	4	1	0.80	0.38	Y
BLR-INEL DIV.	04/05/82	7	1	8	1	1.14	0.22	S,Y
	10/05/82	8	1	7	1	0.88	0.17	Y
	10/19/83	5	1	6	1	1.20	0.31	Y
	04/18/84	7	2	6	1	0.86	0.28	Y
	10/18/84	7	2	5	1	0.71	0.25	Y
	04/19/85	5	2	4	1	0.80	0.38	Y

Table 14.-- Comparison of blind replicate chloride analyses from the Radiological and Environmental Sciences Laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; Remarks: N -- indicates analytical results are not in statistical agreement; Y -- indicates statistical agreement.]

Well identifier	Date sampled	Chloride concentration (sample) (mg/L)	+/- uncer- tainty	Chloride concentration (blind replicate) (mg/L)	+/- uncer- tainty	R	SR	Remarks
9	04/13/88	31.00	3.00	31.00	3.00	1.00	0.14	Y
43	04/12/88	29.00	3.00	29.00	3.00	1.00	0.15	Y
57	10/26/88	7.20	0.70	8.00	0.80	1.11	0.15	Y
59	03/31/88	21.00	2.00	21.00	2.00	1.00	0.13	Y
61	11/17/88	24.00	2.00	25.00	3.00	1.04	0.15	Y
62	04/28/88	25.00	3.00	29.00	3.00	1.16	0.18	Y
67	10/06/88	100.00	10.00	98.00	10.00	0.98	0.14	Y
73	04/29/88	87.00	9.00	91.00	9.00	1.05	0.15	Y
76	07/11/88	1.30	0.20	1.20	0.20	0.92	0.21	Y
88	04/05/88	51.00	5.00	58.00	6.00	1.14	0.16	Y
	06/24/88	100.00	10.00	104.00	10.00	1.04	0.14	Y
105	09/28/87	14.00	1.00	14.00	1.00	1.00	0.10	Y
106	10/06/87	16.00	2.00	16.00	2.00	1.00	0.18	Y
	10/19/88	15.00	2.00	15.00	2.00	1.00	0.19	Y
117	10/19/87	14.00	1.00	14.00	1.00	1.00	0.10	Y
CFA -1	01/05/88	94.00	9.00	92.00	9.00	0.98	0.13	Y
CFA -2	04/12/88	99.00	10.00	104.00	10.00	1.05	0.15	Y
EBR -1	10/28/88	6.00	2.00	6.00	2.00	1.00	0.47	Y
Highway 3	04/04/88	59.00	6.00	6.00	2.00	0.10	0.04	N
NPR Test	10/15/87	16.00	2.00	16.00	2.00	1.00	0.18	Y
P&W 1	04/23/88	280.00	30.00	280.00	30.00	1.00	0.15	Y
Site 14	04/08/88	8.00	2.00	8.00	2.00	1.00	0.35	Y
TRA Disposal	04/25/88	12.00	2.00	12.00	2.00	1.00	0.24	Y
	11/10/88	12.00	2.00	12.00	2.00	1.00	0.24	Y

Table 15.-- Comparison of blind replicate nitrate analyses from the Idaho Chemical Processing Plant

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; Remarks: Y -- indicates analytical are in statistical agreement.]

Well identifier	Date sampled	Nitrate concentration (sample) (mg/L)	+/- uncer-tainty	Nitrate concentration (blind replicate) (mg/L)	+/- uncer-tainty	R	SR	Remarks
117	10/19/87	2.37	0.17	2.37	0.17	1.0	0.1	Y
NPR TEST	10/15/87	2.46	0.17	2.87	0.17	1.2	0.1	Y

Table 16.-- Results of blind replicate nitrate analyses from the National Water Quality Laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells.]

Well identifier	Date sampled	Nitrate concentration (sample) (mg/L as N)	Nitrate concentration (blind replicate) (mg/L as N)
67	10/06/88	5.50	5.50
EBR -1	10/28/88	0.36	0.37
TRA Disposal	11/10/88	1.20	1.20

Table 17.-- Concentrations of selected purgeable organic compounds from blind replicate samples analyzed by the National Water Quality Laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. Blind replicate sample is listed below the orginal sample. Analytical results in ug/L (micrograms per liter). <0.2 indicates the concentration was less than the reporting level of 0.2 ug/L.]

Well identifier	Date sampled	Carbon tetra-chloride	Chloro-form	1,1,1-Tri-chloro-ethane	Tri-chloro-ethylene	Tetra-chloro-ethylene	Di-chloro-di-fluoro-methane	Toluene	1,1-Di-chloro-ethane	1,1-Di-chloro-ethylene
88	04/05/88	2.5	0.5	0.6	1.1	0.2	0.4	<0.2	<0.2	<0.2
		2.3	0.5	0.6	1.0	<0.2	0.4	<0.2	<0.2	<0.2
88	06/24/88	4.1	0.6	0.8	1.2	0.2	<0.2	<0.2	<0.2	<0.2
		4.1	0.6	0.8	1.2	0.2	<0.2	<0.2	1.0	<0.2
90	10/18/88	0.7	<0.2	0.2	0.3	<0.2	1.6	<0.2	<0.2	<0.2
		0.8	<0.2	0.2	0.3	<0.2	1.1	<0.2	<0.2	<0.2
105	09/28/87	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
106	10/06/87	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
112	09/28/88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		<0.2	<0.2	0.6	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
117	10/19/87	<0.2	<0.2	0.7	<0.2	<0.2	<0.2	0.3	<0.2	<0.2
		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	<0.2	<0.2
119	11/06/87	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.2	<0.2	<0.2
		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.0	<0.2	<0.2
120	11/18/87	1.5	<0.2	0.5	0.5	<0.2	<0.2	0.3	<0.2	<0.2
		1.4	<0.2	0.4	0.4	<0.2	<0.2	0.3	<0.2	<0.2
EBR -1	10/28/88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2
NPR Test	10/15/87	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.8	<0.2	<0.2
		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Table 18.-- Concentrations of selected inorganic and radiochemical constituents from blank samples analyzed by the Radiological and Environmental Science Laboratory

[+/- notes the reported uncertainty of laboratory analyses. -- indicates that constituent was not analyzed for.]

Blank identifier	Date sampled	Chloride (mg/L)	Sodium (mg/L)	Americium-241 (uCi/mL x10-11)	Cesium-137 (uCi/mL x10-8)	dissolved chromium (ug/L)	Plutonium-238 (uCi/mL x10-11)	Strontium-90 (uCi/mL x10-8)	Tritium (uCi/mL x10-6)
131	06/24/88	0 +/- 2	--	-5 +/- 3	3 +/- 4	--	0 +/- 2	1.5 +/- 1.4	17.2 +/-0.5
132	06/28/88	0 +/- 2	--	--	--	-2 +/- 2	--	--	18.6 +/- .5
134	07/11/88	1 +/- 2	--	-5 +/- 3	2 +/- 3	--	2 +/- 2	0.4 +/- 1.3	17.7 +/- .5
136	07/20/88	0 +/- 2	--	--	--	--	--	--	18.9 +/- .5
236	10/13/88	13 +/- 2	17 +/- 2	--	-1.4 +/- 3.5	-2 +/- 2	--	-.03 +/- .15	18.6 +/- .5
239	10/27/88	22 +/- 2	15 +/- 2	--	-1.4 +/- 3.0	--	--	--	18.2 +/- .5
241	11/03/88	13 +/- 2	13 +/- 2	--	--	-2 +/- 2	--	--	19.0 +/- .5
CWP 10	04/15/88	1 +/- 2	--	--	--	0 +/- 2	--	--	18.8 +/- .6
QA 3	10/07/87	1 +/- 2	0 +/- 2	8 +/- 3	-1.6 +/- 3.5	-1 +/- 2	-1.1+/- 2.0	-.11 +/- .14	32.1 +/- .8
QA 5	10/15/87	1 +/- 2	0 +/- 2	2 +/- 3	5 +/- 3.0	-1 +/- 2	5 +/- 3.0	.06 +/- .15	30.6 +/- .8
SITE 20 [1]	04/08/88	1 +/- 2	--	--	--	-1 +/- 2	--	--	0 +/- .3

[1] Deionized water from CPP lab

Table 19.-Concentrations of selected dissolved trace metals from blank samples analyzed by the National Water Quality Laboratory

[Analytical results in ug/L (micrograms per liter). <0.5 indicates the concentration was less than the reporting level of 0.5 ug/L. Blanks are made from RESL deionized water .]

Blank identifier	Date sampled	Arsenic	Barium	Beryllium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Blank	10/07/87	<1	<2	<0.5	<1	4	<5	<0.1	<1	<1
Blank	10/15/87	<1	<1	<1	<1	1	<1	<1	<1	<1
Blank	07/20/88	<1	2	<0.5	<1	<1	<5	<0.1	<1	<1

Table 20.-Concentrations of selected purgeable organic compounds from blank samples analyzed by the National Water Quality Laboratory

[Analytical results in ug/L (micrograms per liter). <0.2 indicates the concentration was less than the reporting level of 0.2 ug/L. Blank samples are made from RESL deionized water.]

Identifier	Date sampled	Carbon tetra-chloride	Chloro-form	1,1,1-Tri-chloro-ethane	Tri-chloro-ethylene	Tetra-chloro-ethylene	Di-chloro di-fluoro-methane	Toluene	1,1-Di-chloro-ethane	1,1-Di-chloro-ethylene
Blank	10/07/87	<0.2	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Blank	10/15/87	<0.2	0.5	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Blank	01/05/88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.6	<0.2	<0.2
Blank	02/01/88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.4	<0.2	<0.2
Blank	04/07/88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Blank	05/18/88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Blank	06/24/88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.3	<0.2	<0.2
Blank	06/29/88	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Blank	07/20/88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Blank	10/03/88	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2

Table 21.-- Concentration of nitrate in blank samples analyzed by the Idaho Chemical Processing Plant

Blank identifier	Date sampled	Nitrate (mg/L)
QA 3	10/07/87	<0.36
QA 5	10/15/87	<.36

Table 22.-- Concentration of nitrate in a blank sample analyzed by the National Water Quality Laboratory

[Blank sample was made from RESL deionized water.]

Blank identifier	Date sampled	Nitrate (mg/L)
QA 1	10/13/88	0.14

Table 23.-- Comparison of total dissolved chromium spiked sample analyses from the Radiological and Environmental Sciences Laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R-- ratio of analytical results; SR -- uncertainty in the comparison of analytical results; Remarks: N --indicates analytical results are not in statistical agreement; Y -- indicates statistical agreement.]

Date sampled	Total dissolved chromium (sample) (ug/L)	+\- uncer-tainty	Total dissolved chromium (spike) (ug/L)	+\- uncer-tainty	R	SR	Remarks
07/29/86	30	20	41	1	1.4	0.9	Y
07/29/86	100	10	97	1	1.0	0.1	Y
07/29/86	267	13	244	2	0.9	0.0	N

Table 24.-- Comparison of specific conductance measurements from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory

[Well identifier: see figures 2, 3, and 4 for location of wells. R -- ratio of analytical results; SR -- uncertainty in the comparison of analytical results. Remarks: T -- indicates a thief sample; P -- indicates a perched water sample; B -- indicates a bailer sample; F -- indicates a faucet sample; S -- indicates a surface water sample; all other samples are from the regional aquifer. N -- indicates analytical results not in statistical agreement; Y -- indicates statistical agreement.]

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
8	04/15/82	250	30	320	16	1.28	0.17	T,Y
	10/04/82	340	30	310	15	0.91	0.09	Y
	10/07/83	320	30	280	14	0.88	0.09	Y
	04/27/84	260	30	270	14	1.04	0.13	Y
	10/12/84	310	30	330	17	1.06	0.12	Y
	04/17/85	250	30	260	13	1.04	0.14	Y
9	04/21/81	240	20	240	12	1.00	0.10	Y
	10/09/81	210	20	220	11	1.05	0.11	Y
	04/15/82	260	30	320	16	1.23	0.15	Y
	10/04/82	330	30	310	15	0.94	0.10	Y
	10/07/83	400	30	390	20	0.98	0.09	Y
	04/10/84	200	30	200	10	1.00	0.16	Y
	10/18/84	200	30	180	9	0.90	0.14	Y
	04/18/85	190	30	180	9	0.95	0.16	Y
11	04/02/81	300	20	300	15	1.00	0.08	T,Y
	10/09/81	290	20	280	14	0.97	0.08	Y
	04/15/82	260	30	320	16	1.23	0.15	Y
	10/04/82	320	30	280	14	0.88	0.09	Y
	10/07/83	310	30	300	15	0.97	0.11	Y
	04/16/84	280	30	280	14	1.00	0.12	Y
	10/05/84	290	30	310	16	1.07	0.12	Y
	04/17/85	230	30	240	12	1.04	0.15	Y
13	04/15/82	330	30	360	18	1.09	0.11	T,Y
	10/17/83	370	30	380	19	1.03	0.10	Y
	04/30/84	360	30	340	17	0.94	0.09	Y
	10/17/84	340	30	360	18	1.06	0.11	Y
	04/17/85	350	30	340	17	0.97	0.10	Y
14	04/02/81	300	20	330	16	1.10	0.09	T,Y
	10/09/81	320	20	280	14	0.88	0.07	Y
	04/15/82	300	30	330	16	1.10	0.12	Y
	10/04/82	260	30	240	12	0.92	0.12	Y
	10/07/83	190	30	190	10	1.00	0.17	Y
	04/16/84	190	30	210	11	1.11	0.18	Y
	10/05/84	220	30	260	13	1.18	0.17	Y
	04/17/85	210	30	230	12	1.10	0.17	Y
20	04/22/81	290	20	300	15	1.03	0.09	T,Y
	10/05/81	290	20	260	13	0.90	0.08	Y
	04/09/82	270	30	290	14	1.07	0.13	Y
	10/06/82	300	30	280	14	0.93	0.10	Y
	10/11/83	300	30	300	15	1.00	0.11	Y
	04/11/84	280	30	280	14	1.00	0.12	Y
	10/03/84	300	30	320	16	1.07	0.12	Y
	04/18/85	280	30	270	14	0.96	0.11	Y
22	04/15/81	310	20	310	16	1.00	0.08	T,Y
	10/06/81	320	20	320	16	1.00	0.08	Y
	04/08/82	320	30	360	18	1.13	0.12	Y
	10/05/82	290	30	260	13	0.90	0.10	Y
	10/05/83	310	30	290	14	0.94	0.10	Y
	04/12/84	300	30	310	16	1.03	0.12	Y
	10/12/84	330	30	330	17	1.00	0.10	Y
	04/18/85	330	30	310	16	0.94	0.10	Y
34	04/17/81	350	20	370	18	1.06	0.08	T,Y
	10/08/81	370	20	310	15	0.84	0.06	N
	04/09/82	320	30	360	18	1.13	0.12	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer- tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer- tainty	R	SR	Remarks
34	10/07/82	340	30	350	18	1.03	0.11	Y
	10/13/83	360	30	370	18	1.03	0.10	Y
	04/10/84	340	30	330	17	0.97	0.10	Y
	10/09/84	310	30	290	15	0.94	0.10	Y
	04/22/85	340	30	320	16	0.94	0.10	Y
35	04/17/81	350	20	350	17	1.00	0.07	T,Y
	10/08/81	350	20	320	16	0.91	0.07	Y
	04/09/82	350	30	380	19	1.09	0.11	Y
	10/07/82	330	30	330	16	1.00	0.10	Y
	10/13/83	350	30	350	18	1.00	0.10	Y
	04/10/84	340	30	330	17	0.97	0.10	Y
	10/09/84	320	30	340	17	1.06	0.11	Y
	04/22/85	320	30	320	16	1.00	0.11	Y
36	04/17/81	440	20	450	23	1.02	0.07	T,Y
	10/08/81	500	20	440	22	0.88	0.06	Y
	04/09/82	420	30	420	21	1.00	0.09	Y
	10/07/82	400	30	390	20	0.98	0.09	Y
	10/13/83	460	30	440	22	0.96	0.08	Y
	04/10/84	460	30	460	23	1.00	0.08	Y
	10/09/84	500	30	450	23	0.90	0.07	Y
	04/22/85	490	30	470	24	0.96	0.08	Y
37	01/14/81	540	20	500	25	0.93	0.06	Y
	04/17/81	500	20	500	25	1.00	0.06	Y
	10/07/81	540	20	480	24	0.89	0.06	Y
	01/11/82	520	20	540	25	1.04	0.06	Y
	04/09/82	560	30	560	28	1.00	0.07	Y
	07/06/82	560	30	610	30	1.09	0.08	Y
	10/07/82	610	30	570	30	0.93	0.07	Y
	10/10/83	540	30	500	25	0.93	0.07	Y
	01/13/84	580	30	540	27	0.93	0.07	Y
	04/17/84	550	30	530	27	0.96	0.07	Y
	10/10/84	470	30	510	26	1.09	0.09	Y
	04/26/85	450	30	460	23	1.02	0.09	Y
	07/11/85	420	30	450	23	1.07	0.09	Y
38	04/17/81	420	20	430	17	1.02	0.06	T,Y
	04/09/82	480	30	510	25	1.06	0.08	Y
	10/07/82	480	30	460	23	0.96	0.08	Y
	10/13/83	280	30	310	16	1.11	0.13	Y
	04/10/84	440	30	450	22	1.02	0.09	Y
	10/09/84	380	30	400	20	1.05	0.10	Y
	04/22/85	280	30	340	17	1.21	0.14	Y
39	04/17/81	360	20	370	14	1.03	0.07	T,Y
	10/08/81	360	20	350	17	0.97	0.07	Y
	04/09/82	270	30	370	20	1.37	0.17	N
	10/07/82	340	30	370	19	1.09	0.11	Y
	10/13/83	350	30	330	16	0.94	0.09	Y
	04/10/84	320	30	340	17	1.06	0.11	Y
	10/09/84	330	30	330	17	1.00	0.10	Y
	04/22/85	320	30	320	16	1.00	0.11	Y
40	01/14/81	1000	200	970	50	0.97	0.20	Y
	04/09/81	920	20	940	47	1.02	0.06	Y
	01/20/82	810	20	600	30	0.74	0.04	N
	04/09/82	840	30	910	45	1.08	0.07	Y
	07/06/82	800	30	780	39	0.98	0.06	Y
	10/07/82	780	30	720	36	0.92	0.06	Y
	10/10/83	830	30	860	43	1.04	0.06	Y
	01/10/84	810	30	760	38	0.94	0.06	Y
	04/17/84	720	30	790	40	1.10	0.07	Y
	10/16/84	450	30	480	24	1.07	0.09	Y
	01/08/85	450	30	480	24	1.07	0.09	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
40	04/29/85	400	30	400	20	1.00	0.09	Y
	07/12/85	360	30	400	20	1.11	0.11	Y
41	04/24/81	560	20	560	26	1.00	0.06	T,Y
	10/08/81	620	20	560	23	0.90	0.05	Y
	04/09/82	730	30	730	37	1.00	0.07	Y
	10/06/82	440	30	420	21	0.95	0.08	Y
	10/12/83	520	30	440	22	0.85	0.06	Y
	04/10/84	430	30	470	24	1.09	0.09	Y
	10/16/84	370	30	410	21	1.11	0.11	Y
	04/23/85	450	30	460	23	1.02	0.09	Y
42	04/24/81	550	20	550	20	1.00	0.05	T,Y
	10/08/81	640	20	590	29	0.92	0.05	Y
	04/09/82	710	30	730	37	1.03	0.07	Y
	10/06/82	420	30	380	19	0.90	0.08	Y
	10/12/83	800	30	780	39	0.98	0.06	Y
	04/10/84	590	30	580	29	0.98	0.07	Y
	10/16/84	400	30	420	21	1.05	0.09	Y
	04/23/85	410	30	410	21	1.00	0.09	Y
43	01/14/81	690	20	650	35	0.94	0.06	Y
	04/09/81	680	20	740	37	1.09	0.06	Y
	10/06/81	630	20	630	31	1.00	0.06	Y
	04/09/82	510	30	580	29	1.14	0.09	Y
	10/07/82	430	30	410	21	0.95	0.08	Y
	04/17/84	390	30	410	21	1.05	0.10	Y
	10/16/84	410	30	410	21	1.00	0.09	Y
	04/29/85	400	30	380	19	0.95	0.09	Y
44	04/24/81	890	20	950	47	1.07	0.06	T,Y
	10/08/81	810	20	810	41	1.00	0.06	Y
	04/16/82	830	30	810	40	0.98	0.06	Y
	10/06/82	400	30	410	21	1.03	0.09	Y
	10/12/83	660	30	710	36	1.08	0.07	Y
	04/10/84	370	30	350	18	0.95	0.09	Y
	10/09/84	360	30	370	19	1.03	0.10	Y
	04/22/85	340	30	360	18	1.06	0.11	Y
45	04/24/81	790	20	820	41	1.04	0.06	T,Y
	10/06/81	750	20	700	35	0.93	0.05	Y
	04/16/82	740	30	720	36	0.97	0.06	Y
	10/06/82	680	30	680	34	1.00	0.07	Y
	10/12/83	590	30	620	31	1.05	0.07	Y
	04/10/84	310	30	330	17	1.06	0.12	Y
	10/09/84	320	30	340	17	1.06	0.11	Y
	04/22/85	280	30	270	14	0.96	0.11	Y
46	04/24/81	890	20	910	51	1.02	0.06	T,Y
	10/05/81	770	20	760	38	0.99	0.06	Y
	04/16/82	700	30	650	32	0.93	0.06	Y
	10/06/82	510	30	480	24	0.94	0.07	Y
	10/12/83	820	30	790	40	0.96	0.06	Y
	04/13/84	480	30	500	25	1.04	0.08	Y
	10/09/84	400	30	410	21	1.03	0.09	Y
	04/22/85	390	30	390	20	1.00	0.09	Y
47	01/14/81	450	20	440	23	0.98	0.07	Y
	04/09/81	780	20	790	39	1.01	0.06	Y
	10/08/81	410	20	440	22	1.07	0.07	Y
	01/07/82	430	20	430	20	1.00	0.07	Y
	04/09/82	410	30	440	22	1.07	0.10	Y
	07/06/82	380	30	410	20	1.08	0.10	Y
	10/07/82	410	30	400	20	0.98	0.09	Y
	10/17/83	860	30	850	43	0.99	0.06	Y
	01/17/84	620	30	530	27	0.85	0.06	N
	04/11/84	580	30	630	32	1.09	0.08	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
47	10/23/84	340	30	370	19	1.09	0.11	Y
	01/14/85	400	30	370	19	0.93	0.08	Y
	04/23/85	400	30	420	21	1.05	0.09	Y
	07/10/85	260	30	300	15	1.15	0.15	Y
48	04/20/81	480	20	510	26	1.06	0.07	T,Y
	10/06/81	420	20	410	21	0.98	0.07	Y
	04/16/82	410	30	420	21	1.02	0.09	Y
	10/08/82	380	30	380	19	1.00	0.09	Y
	10/20/83	420	30	500	25	1.19	0.10	Y
	04/18/84	380	30	420	21	1.11	0.10	Y
	10/23/84	370	30	390	20	1.05	0.10	Y
	04/23/85	450	30	420	21	0.93	0.08	Y
50	01/16/81	840	20	830	42	0.99	0.06	T,Y
	04/20/81	790	20	840	42	1.06	0.06	Y
	07/14/81	770	20	770	37	1.00	0.05	Y
	10/06/81	830	20	790	40	0.95	0.05	Y
	01/20/82	1100	200	620	31	0.56	0.11	N
	04/16/82	1200	300	1240	62	1.03	0.26	Y
	07/07/82	1000	300	1030	52	1.03	0.31	Y
	10/08/82	1500	300	1480	80	0.99	0.20	Y
	10/18/83	1200	300	1150	56	0.96	0.24	Y
	01/13/84	1200	300	1150	57	0.96	0.24	Y
	04/13/84	1100	300	950	48	0.86	0.24	Y
	10/23/84	1300	300	1160	58	0.89	0.21	Y
	01/10/85	1200	300	990	49	0.83	0.21	Y
	04/23/85	1100	300	950	48	0.86	0.24	Y
	07/12/85	860	30	890	45	1.03	0.06	Y
51	04/24/81	360	20	360	18	1.00	0.07	Y
	10/06/81	340	20	330	16	0.97	0.07	Y
	04/16/82	340	30	368	18	1.08	0.11	Y
	10/06/82	380	30	350	18	0.92	0.09	Y
	10/13/83	370	30	400	20	1.08	0.10	Y
	04/11/84	350	30	390	20	1.11	0.11	Y
	10/10/84	390	30	390	20	1.00	0.09	Y
	04/22/85	340	30	350	18	1.03	0.11	Y
52	04/24/81	830	20	890	43	1.07	0.06	T,Y
	10/06/81	710	20	630	32	0.89	0.05	N
	04/09/82	740	30	800	40	1.08	0.07	Y
	10/06/82	480	30	530	27	1.10	0.09	Y
	10/13/83	620	30	590	30	0.95	0.07	Y
	04/11/84	440	30	420	21	0.95	0.08	Y
	10/10/84	390	30	390	20	1.00	0.09	Y
	04/23/85	360	30	340	17	0.94	0.09	Y
53	04/24/81	87	2	100	5	1.15	0.06	P,N
	10/12/81	120	20	126	6	1.05	0.18	Y
	04/16/82	200	30	230	12	1.15	0.18	Y
	10/11/82	150	30	130	10	0.87	0.19	Y
	10/14/83	260	30	270	14	1.04	0.13	Y
	04/10/84	250	30	250	13	1.00	0.13	Y
	10/15/84	430	30	410	21	0.95	0.08	Y
	04/24/85	230	30	230	12	1.00	0.14	Y
54	01/16/81	150	20	230	22	1.53	0.25	P,N
	04/24/81	110	20	130	7	1.18	0.22	Y
	07/14/81	140	20	140	7	1.00	0.15	Y
	10/06/81	120	20	128	6	1.07	0.18	Y
	01/20/82	120	20	155	8	1.29	0.23	Y
	04/16/82	260	30	260	13	1.00	0.13	Y
	07/07/82	460	30	480	24	1.04	0.09	Y
	10/11/82	520	30	490	25	0.94	0.07	Y
	10/14/83	840	30	870	44	1.04	0.06	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
54	01/12/84	890	30	870	44	0.98	0.06	Y
	04/13/84	880	30	860	43	0.98	0.06	Y
	10/15/84	680	30	720	36	1.06	0.07	Y
	01/08/85	600	30	610	31	1.02	0.07	Y
	04/24/85	550	30	530	27	0.96	0.07	Y
	07/09/85	690	30	690	35	1.00	0.07	Y
55	04/24/81	760	20	890	43	1.17	0.06	P,N
	10/12/81	490	20	520	26	1.06	0.07	Y
	04/16/82	625	30	750	37	1.20	0.08	N
	10/11/82	780	30	710	36	0.91	0.06	Y
	10/21/83	730	30	740	37	1.01	0.07	Y
	01/11/84	750	30	790	40	1.05	0.07	Y
	04/24/84	790	30	710	36	0.90	0.06	Y
	10/15/84	620	30	540	27	0.87	0.06	N
	04/24/85	720	30	680	34	0.94	0.06	Y
56	04/24/81	460	20	470	23	1.02	0.07	P,Y
	10/12/81	840	20	760	38	0.90	0.05	Y
	04/16/82	440	30	460	23	1.05	0.09	Y
	10/11/82	290	30	290	15	1.00	0.12	Y
	10/21/83	450	30	460	23	1.02	0.09	Y
	04/18/84	370	30	410	21	1.11	0.11	Y
	10/23/84	450	30	490	25	1.09	0.09	Y
	04/23/85	830	30	850	43	1.02	0.06	Y
57	01/14/81	730	20	680	36	0.93	0.06	Y
	04/24/81	680	20	720	36	1.06	0.06	Y
	07/13/81	720	20	710	35	0.99	0.06	Y
	10/05/81	710	20	670	34	0.94	0.05	Y
	01/20/82	700	20	510	25	0.73	0.04	N
	04/16/82	720	30	720	36	1.00	0.07	Y
	10/06/82	690	30	650	33	0.94	0.06	Y
	10/13/83	730	30	720	36	0.99	0.06	Y
	04/11/84	670	30	680	34	1.01	0.07	Y
	10/10/84	490	30	530	27	1.08	0.09	Y
	04/22/85	500	30	500	25	1.00	0.08	Y
58	04/24/81	390	20	410	17	1.05	0.07	Y
	10/08/81	380	20	400	20	1.05	0.08	Y
	04/16/82	370	30	360	18	0.97	0.09	Y
	10/08/82	390	30	390	20	1.00	0.09	Y
	10/14/83	390	30	410	21	1.05	0.10	Y
	04/18/84	380	30	370	19	0.97	0.09	Y
	10/15/84	380	30	400	20	1.05	0.10	Y
	04/24/85	370	30	390	20	1.05	0.10	Y
59	04/24/81	590	20	640	32	1.08	0.07	Y
	10/06/81	420	20	410	20	0.98	0.07	Y
	04/16/82	410	30	460	23	1.12	0.10	Y
	10/06/82	450	30	400	20	0.89	0.07	Y
	10/13/83	470	30	530	27	1.13	0.09	Y
	04/11/84	380	30	390	20	1.03	0.10	Y
	10/10/84	390	30	430	22	1.10	0.10	Y
	04/22/85	350	30	330	17	0.94	0.09	Y
60	04/16/82	280	30	270	13	0.96	0.11	P,Y
	07/07/82	540	30	560	28	1.04	0.08	Y
	10/11/82	460	30	470	24	1.02	0.08	Y
	10/14/83	700	30	690	35	0.99	0.07	Y
	01/12/84	560	30	610	31	1.09	0.08	Y
	04/13/84	620	30	560	28	0.90	0.06	Y
	10/11/84	640	30	660	33	1.03	0.07	Y
	01/11/85	630	30	590	30	0.94	0.07	Y
	04/24/85	660	30	660	33	1.00	0.07	Y
	07/09/85	650	30	700	35	1.08	0.07	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
61	04/16/82	410	30	410	20	1.00	0.09	P,Y
	10/11/82	280	30	270	14	0.96	0.11	Y
	10/14/83	290	30	330	17	1.14	0.13	Y
	04/14/84	380	30	370	19	0.97	0.09	Y
	10/18/84	400	30	540	27	1.35	0.12	N
	04/24/85	450	30	450	23	1.00	0.08	Y
62	04/16/82	240	30	270	13	1.13	0.15	P,Y
	10/11/82	520	30	460	23	0.88	0.07	Y
	10/14/83	660	30	650	33	0.98	0.07	Y
	04/13/84	430	30	400	20	0.93	0.08	Y
	10/18/84	530	30	570	29	1.08	0.08	Y
	04/24/85	620	30	570	29	0.92	0.06	Y
63	04/16/82	440	30	450	23	1.02	0.09	Y
	10/11/82	660	30	600	30	0.91	0.06	P,Y
	10/18/83	760	30	780	38	1.03	0.06	Y
	04/16/84	700	30	700	35	1.00	0.07	Y
	10/16/84	690	30	770	39	1.12	0.07	Y
	04/24/85	750	30	710	36	0.95	0.06	Y
65	01/14/81	470	20	490	24	1.04	0.07	Y
	04/09/81	490	20	500	25	1.02	0.07	Y
	10/07/81	440	20	480	24	1.09	0.07	Y
	01/07/82	480	20	500	25	1.04	0.07	Y
	04/09/82	470	30	500	25	1.06	0.09	Y
	07/06/82	460	30	480	24	1.04	0.09	Y
	10/07/82	470	30	560	28	1.19	0.10	Y
	10/10/83	500	30	500	25	1.00	0.08	Y
	01/16/84	490	30	520	26	1.06	0.08	Y
	04/17/84	480	30	480	24	1.00	0.08	Y
	10/17/84	450	30	500	25	1.11	0.09	Y
	01/10/85	500	30	480	24	0.96	0.07	Y
	04/24/85	460	30	490	25	1.07	0.09	Y
	07/11/85	430	30	450	23	1.05	0.09	Y
66	10/12/81	1400	200	1290	65	0.92	0.14	T,Y
	10/18/83	1900	300	1690	85	0.89	0.15	Y
	04/12/84	940	30	1030	52	1.10	0.07	Y
	10/16/84	1600	300	1740	87	1.09	0.21	Y
	04/26/85	1400	300	1350	68	0.96	0.21	Y
67	01/14/81	760	20	740	36	0.97	0.05	Y
	04/09/81	770	40	780	40	1.01	0.07	Y
	10/06/81	760	20	760	38	1.00	0.06	Y
	04/08/82	770	30	800	40	1.04	0.07	Y
	10/07/82	800	30	670	34	0.84	0.05	N
	10/10/83	760	30	720	36	0.95	0.06	Y
	04/12/84	730	30	680	34	0.93	0.06	Y
	10/17/84	550	30	590	30	1.07	0.08	Y
	04/24/85	520	30	530	27	1.02	0.08	Y
68	01/16/81	3800	200	4100	210	1.08	0.08	P,Y
	04/20/81	3500	200	3950	160	1.13	0.08	Y
	07/14/81	3500	200	3700	230	1.06	0.09	Y
	10/12/81	3700	200	3700	175	1.00	0.07	Y
	01/20/82	3900	200	2900	150	0.74	0.05	N
	04/16/82	4200	300	4300	220	1.02	0.09	Y
	07/07/82	4100	300	4350	270	1.06	0.10	Y
	10/11/82	4200	300	4100	205	0.98	0.09	Y
	10/21/83	4100	300	4400	220	1.07	0.10	Y
	01/16/84	3900	300	4200	210	1.08	0.10	Y
	04/18/84	4000	300	4200	210	1.05	0.09	Y
	10/23/84	3900	300	4500	230	1.15	0.11	Y
	01/10/85	3700	300	4300	220	1.16	0.11	Y
	04/23/85	4000	300	4000	200	1.00	0.09	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
68	07/11/85	4000	300	4600	230	1.15	0.10	Y
69	10/11/82	360	30	390	19	1.08	0.10	P,Y
	10/18/83	360	30	380	19	1.06	0.10	Y
	04/13/84	470	30	530	27	1.13	0.09	Y
	10/16/84	470	30	490	25	1.04	0.09	Y
	04/24/85	320	30	360	18	1.13	0.12	Y
70	04/24/81	500	20	510	25	1.02	0.06	P,Y
	10/12/81	470	20	500	25	1.06	0.07	Y
	04/16/82	450	30	500	25	1.11	0.09	Y
	10/11/82	530	30	470	24	0.89	0.07	Y
	10/18/83	670	30	670	34	1.00	0.07	Y
	04/10/84	620	30	600	30	0.97	0.07	Y
	10/15/84	750	30	670	34	0.89	0.06	Y
	04/24/85	600	30	590	30	0.98	0.07	Y
71	10/11/82	410	30	420	21	1.02	0.09	T,Y
	10/18/83	400	30	430	22	1.08	0.10	Y
	04/13/84	440	30	410	21	0.93	0.08	Y
	10/16/84	430	30	450	23	1.05	0.09	Y
72	04/18/84	600	30	570	29	0.95	0.07	T,Y
	04/23/85	800	30	730	37	0.91	0.06	Y
73	04/24/81	640	20	690	35	1.08	0.06	P,Y
	10/12/81	710	20	650	33	0.92	0.05	Y
	04/16/82	680	30	670	34	0.99	0.07	Y
	10/11/82	530	30	540	27	1.02	0.08	Y
	10/18/83	630	30	640	32	1.02	0.07	Y
	04/13/84	580	30	600	30	1.03	0.07	Y
	10/16/84	580	30	420	21	0.72	0.05	N
	04/24/85	600	30	600	30	1.00	0.07	Y
76	01/14/81	410	20	410	21	1.00	0.07	Y
	04/24/81	400	20	410	17	1.03	0.07	Y
	07/13/81	400	20	410	20	1.03	0.07	Y
	10/08/81	400	20	390	20	0.98	0.07	Y
	01/20/82	380	20	400	20	1.05	0.08	Y
	04/16/82	300	30	410	21	1.37	0.15	N
	07/07/82	370	30	410	21	1.11	0.11	Y
	10/08/82	350	30	370	19	1.06	0.11	Y
	10/18/83	400	30	400	20	1.00	0.09	Y
	01/13/84	400	30	400	20	1.00	0.09	Y
	02/14/84	380	30	400	20	1.05	0.10	Y
	04/17/84	380	30	360	18	0.95	0.09	Y
	10/18/84	410	30	420	21	1.02	0.09	Y
	01/08/85	370	30	410	21	1.11	0.11	Y
	04/26/85	390	30	390	20	1.00	0.09	Y
	07/09/85	350	30	430	22	1.23	0.12	Y
77	04/17/81	530	20	530	26	1.00	0.06	T,Y
	10/05/81	500	20	480	24	0.96	0.06	Y
	04/09/82	510	30	560	28	1.10	0.08	Y
	09/30/82	580	30	520	27	0.90	0.07	Y
	10/84/83	540	30	540	27	1.00	0.07	Y
	04/11/84	460	30	460	23	1.00	0.08	Y
	10/09/84	470	30	480	24	1.02	0.08	Y
	04/24/85	560	30	540	27	0.96	0.07	Y
79	04/24/81	310	20	380	19	1.23	0.10	T,N
	10/08/81	300	20	330	16	1.10	0.09	Y
	04/16/82	330	30	330	17	1.00	0.10	Y
	10/08/82	360	30	360	18	1.00	0.10	Y
	10/18/83	360	30	380	19	1.06	0.10	Y
	04/10/84	350	30	370	19	1.06	0.11	Y
	10/10/84	350	30	390	20	1.11	0.11	Y
	04/26/85	370	30	390	20	1.05	0.10	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
82	04/22/81	340	20	350	17	1.03	0.08	Y
	10/12/81	320	20	320	16	1.00	0.08	Y
	04/09/82	300	30	320	16	1.07	0.12	Y
	10/06/82	350	30	330	17	0.94	0.09	Y
	10/11/83	390	30	380	19	0.97	0.09	Y
	04/11/84	410	30	410	21	1.00	0.09	Y
	10/03/84	330	30	390	20	1.18	0.12	Y
	04/17/85	290	30	270	14	0.93	0.11	Y
83	04/22/81	210	20	225	9	1.07	0.11	Y
	10/05/81	220	20	240	12	1.09	0.11	Y
	04/08/82	220	30	230	12	1.05	0.15	Y
	10/06/82	240	30	240	12	1.00	0.13	Y
	10/05/83	230	30	230	12	1.00	0.14	Y
	04/12/84	220	30	220	11	1.00	0.15	Y
	10/10/84	210	30	240	12	1.14	0.17	Y
	04/18/85	220	30	220	11	1.00	0.15	Y
84	04/24/81	370	20	390	16	1.05	0.07	B,Y
	10/08/81	330	20	350	17	1.06	0.08	Y
	04/16/82	300	30	320	16	1.07	0.12	Y
	04/11/84	300	30	330	17	1.10	0.12	Y
	10/16/84	320	30	330	17	1.03	0.11	Y
	04/16/85	310	30	320	16	1.03	0.11	Y
85	04/17/81	400	20	430	18	1.08	0.07	T,Y
	10/05/81	430	20	420	21	0.98	0.07	Y
	04/09/82	390	30	410	21	1.05	0.10	Y
	10/07/82	400	30	410	21	1.03	0.09	Y
	10/13/83	420	30	420	21	1.00	0.09	Y
	04/11/84	220	30	270	14	1.23	0.18	Y
	10/03/84	280	30	280	14	1.00	0.12	Y
	04/16/85	210	30	210	11	1.00	0.15	Y
86	04/09/81	290	20	280	14	0.97	0.08	Y
	10/09/81	270	20	280	14	1.04	0.09	Y
	04/16/82	280	30	300	15	1.07	0.13	Y
	10/08/82	310	30	300	15	0.97	0.11	Y
	10/07/83	290	30	290	15	1.00	0.12	Y
	10/12/84	280	30	310	16	1.11	0.13	Y
	04/16/85	270	30	284	14	1.05	0.13	Y
87	01/16/81	300	20	290	12	0.97	0.08	Y
	04/09/81	280	20	310	15	1.11	0.10	Y
	07/13/81	280	20	300	15	1.07	0.09	Y
	10/07/81	300	20	300	15	1.00	0.08	Y
	01/07/82	290	20	360	18	1.24	0.11	N
	04/08/82	280	30	280	14	1.00	0.12	Y
	07/06/82	240	30	290	15	1.21	0.16	Y
	10/07/82	300	30	290	15	0.97	0.11	Y
	10/06/83	310	30	300	15	0.97	0.11	Y
	01/10/84	280	30	310	16	1.11	0.13	Y
	04/17/84	290	30	280	14	0.97	0.11	Y
	10/10/84	300	30	300	15	1.00	0.11	Y
	01/09/85	320	30	330	17	1.03	0.11	Y
	04/16/85	310	30	290	15	0.94	0.10	Y
	07/11/85	280	30	330	17	1.18	0.14	Y
88	01/16/81	380	20	370	17	0.97	0.07	Y
	04/09/81	330	20	360	18	1.09	0.09	Y
	07/13/81	320	20	340	17	1.06	0.09	Y
	10/07/81	380	20	370	19	0.97	0.07	Y
	01/07/82	380	20	380	19	1.00	0.07	Y
	04/08/82	330	30	320	16	0.97	0.10	Y
	07/06/82	330	30	360	18	1.09	0.11	Y
	10/06/82	370	30	330	17	0.89	0.09	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
88	10/06/83	600	30	580	29	0.97	0.07	Y
	01/10/84	610	30	610	31	1.00	0.07	Y
	04/18/84	610	30	630	32	1.03	0.07	Y
	10/10/84	540	30	590	30	1.09	0.08	Y
	01/10/85	570	30	610	31	1.07	0.08	Y
	04/26/85	550	30	530	27	0.96	0.07	Y
	07/11/85	540	30	570	29	1.06	0.08	Y
89	01/16/81	370	20	360	16	0.97	0.07	Y
	04/09/81	340	20	320	16	0.94	0.07	Y
	07/13/81	330	20	350	18	1.06	0.08	Y
	10/07/81	350	20	330	17	0.94	0.07	Y
	01/07/82	350	20	350	17	1.00	0.07	Y
	04/08/82	340	30	320	16	0.94	0.10	Y
	07/07/82	310	30	380	19	1.23	0.13	Y
	10/06/82	350	30	310	16	0.89	0.09	Y
	10/06/83	320	30	320	16	1.00	0.11	Y
	01/10/84	320	30	310	16	0.97	0.10	Y
	04/18/84	310	30	270	14	0.87	0.10	Y
	10/17/84	330	30	320	16	0.97	0.10	Y
	01/11/85	440	30	450	23	1.02	0.09	Y
	04/18/85	460	30	440	22	0.96	0.08	Y
	07/11/85	380	30	410	21	1.08	0.10	Y
90	01/16/81	320	20	310	15	0.97	0.08	Y
	04/09/81	290	20	310	15	1.07	0.09	Y
	07/13/81	300	20	300	15	1.00	0.08	Y
	10/08/81	300	20	310	15	1.03	0.09	Y
	01/07/82	310	20	290	15	0.94	0.08	Y
	04/08/82	280	30	300	15	1.07	0.13	Y
	07/06/82	270	30	340	17	1.26	0.15	Y
	10/06/82	320	30	310	16	0.97	0.10	Y
	10/06/83	300	30	310	16	1.03	0.12	Y
	01/10/84	310	30	310	16	1.00	0.11	Y
	04/17/84	300	30	310	16	1.03	0.12	Y
	10/10/84	330	30	320	16	0.97	0.10	Y
	01/10/85	320	30	320	16	1.00	0.11	Y
92	04/22/81	690	20	780	38	1.13	0.06	B,N
	10/08/81	750	20	740	37	0.99	0.06	Y
	04/14/82	710	30	890	45	1.25	0.08	N
	10/06/82	710	30	710	36	1.00	0.07	Y
	10/06/83	800	30	660	33	0.83	0.05	N
	04/18/84	800	30	820	41	1.03	0.06	Y
	10/23/84	850	30	800	40	0.94	0.06	Y
	04/29/85	830	30	710	36	0.86	0.05	N
97	01/14/81	520	20	500	25	0.96	0.06	Y
	04/17/81	390	20	420	17	1.08	0.07	Y
	07/13/81	500	20	480	24	0.96	0.06	Y
	10/07/81	500	20	480	24	0.96	0.06	Y
	01/20/82	480	20	330	16	0.69	0.04	N
	04/09/82	400	30	470	24	1.18	0.11	Y
	07/07/82	480	30	520	26	1.08	0.09	Y
	10/07/82	390	30	510	26	1.31	0.12	N
	10/11/83	510	30	510	26	1.00	0.08	Y
	02/09/84	510	30	480	24	0.94	0.07	Y
	04/11/84	480	30	490	25	1.02	0.08	Y
	10/03/84	490	30	530	27	1.08	0.09	Y
	01/11/85	530	30	510	26	0.96	0.07	Y
	04/23/85	510	30	480	24	0.94	0.07	Y
	07/09/85	480	30	500	25	1.04	0.08	Y
98	04/17/81	310	20	330	16	1.06	0.09	Y
	10/07/81	350	20	350	17	1.00	0.07	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
98	04/09/82	320	30	360	18	1.13	0.12	Y
	07/07/82	350	30	390	20	1.11	0.11	Y
	10/07/82	330	30	380	19	1.15	0.12	Y
	10/11/83	370	30	350	18	0.95	0.09	Y
	01/12/84	370	30	410	21	1.11	0.11	Y
	02/09/84	370	30	370	19	1.00	0.10	Y
	04/10/84	350	30	360	18	1.03	0.10	Y
	10/03/84	360	30	380	19	1.06	0.10	Y
	01/08/85	360	30	390	20	1.08	0.11	Y
	04/23/85	360	30	380	19	1.06	0.10	Y
	07/09/85	300	30	390	20	1.30	0.15	Y
99	04/17/81	330	20	450	18	1.36	0.10	N
	10/07/81	420	20	430	22	1.02	0.07	Y
	04/09/82	310	30	430	22	1.39	0.15	N
	07/07/82	420	30	460	23	1.10	0.10	Y
	10/07/82	360	30	420	21	1.17	0.11	Y
	10/11/83	410	30	380	19	0.93	0.08	Y
	01/12/84	400	30	380	19	0.95	0.09	Y
	02/09/84	420	30	380	19	0.90	0.08	Y
	04/10/84	420	30	410	21	0.98	0.09	Y
	10/03/84	420	30	420	21	1.00	0.09	Y
	01/11/85	420	30	410	21	0.98	0.09	Y
	04/24/85	410	30	390	20	0.95	0.08	Y
	07/09/85	400	30	430	22	1.08	0.10	Y
100	04/23/81	240	20	290	14	1.21	0.12	Y
	07/13/81	350	20	350	17	1.00	0.07	Y
	10/08/81	330	20	340	17	1.03	0.08	Y
	04/08/82	270	30	310	16	1.15	0.14	Y
	07/07/82	290	30	330	17	1.14	0.13	Y
	10/08/82	270	30	290	15	1.07	0.13	Y
	10/10/83	300	30	300	15	1.00	0.11	Y
	02/09/84	290	30	270	14	0.93	0.11	Y
	04/11/84	420	30	410	21	0.98	0.09	Y
	10/17/84	280	30	280	14	1.00	0.12	Y
	01/11/85	300	30	330	17	1.10	0.12	Y
	04/19/85	300	30	320	16	1.07	0.12	Y
	07/10/85	290	30	330	17	1.14	0.13	Y
101	04/23/81	240	20	240	12	1.00	0.10	Y
	10/08/81	240	20	260	13	1.08	0.11	Y
	04/08/82	240	30	210	10	0.88	0.12	Y
	10/08/82	240	30	240	12	1.00	0.13	Y
	10/10/83	260	30	250	13	0.96	0.12	Y
	04/17/84	220	30	240	12	1.09	0.16	Y
	10/17/84	230	30	220	11	0.96	0.13	Y
	04/19/85	230	30	260	13	1.13	0.16	Y
103	04/02/81	290	20	310	15	1.07	0.09	Y
	07/10/81	290	20	310	15	1.07	0.09	Y
	10/07/81	280	20	300	15	1.07	0.09	Y
	04/15/82	280	30	310	16	1.11	0.13	Y
	07/07/82	290	30	330	17	1.14	0.13	Y
	10/04/82	320	30	280	14	0.88	0.09	Y
	10/05/83	290	30	290	14	1.00	0.11	Y
	04/13/84	300	30	280	14	0.93	0.10	Y
	10/03/84	300	30	340	17	1.13	0.13	Y
	04/18/85	300	30	300	15	1.00	0.11	Y
	07/12/85	280	30	330	17	1.18	0.14	Y
104	04/02/81	260	20	280	14	1.08	0.10	Y
	07/10/81	270	20	270	14	1.00	0.09	Y
	10/05/81	250	20	260	13	1.04	0.10	Y
	04/08/82	260	30	290	15	1.12	0.14	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
104	07/07/82	260	30	290	15	1.12	0.14	Y
	10/04/82	290	30	260	13	0.90	0.10	Y
	10/05/83	270	30	280	14	1.04	0.13	Y
	02/10/84	280	30	260	13	0.93	0.11	Y
	04/12/84	270	30	260	13	0.96	0.12	Y
	10/12/84	270	30	280	14	1.04	0.13	Y
	04/18/85	280	30	280	14	1.00	0.12	Y
	07/10/85	250	30	280	14	1.12	0.15	Y
105	01/07/81	370	20	370	22	1.00	0.08	Y
	04/02/81	320	20	360	18	1.13	0.09	Y
	07/11/81	350	20	360	18	1.03	0.08	Y
	10/07/81	340	20	330	17	0.97	0.08	Y
	04/08/82	350	30	360	18	1.03	0.10	Y
	10/05/82	360	30	310	16	0.86	0.08	Y
	01/13/84	310	30	330	17	1.06	0.12	Y
	04/17/84	310	30	310	16	1.00	0.11	Y
	10/12/84	300	30	330	17	1.10	0.12	Y
	04/18/85	310	30	300	15	0.97	0.11	Y
106	01/14/81	330	20	340	18	1.03	0.08	Y
	04/15/81	300	20	330	16	1.10	0.09	Y
	07/10/81	320	20	340	17	1.06	0.09	Y
	10/05/81	310	20	340	17	1.10	0.09	Y
	01/20/82	320	20	360	18	1.13	0.09	Y
	04/08/82	330	30	350	18	1.06	0.11	Y
	07/07/82	320	30	360	18	1.13	0.12	Y
	10/05/82	350	30	320	16	0.91	0.09	Y
	10/05/83	330	30	340	17	1.03	0.11	Y
	01/17/84	340	30	340	17	1.00	0.10	Y
	04/12/84	330	30	330	17	1.00	0.10	Y
	10/12/84	340	30	330	17	0.97	0.10	Y
	01/08/85	340	30	360	18	1.06	0.11	Y
	04/18/85	350	30	330	17	0.94	0.09	Y
	07/10/85	310	30	330	17	1.06	0.12	Y
107	04/02/81	300	20	340	17	1.13	0.09	Y
	07/10/81	330	20	300	15	0.91	0.07	Y
	10/06/81	310	20	340	17	1.10	0.09	Y
	04/08/82	320	30	330	17	1.03	0.11	Y
	10/05/82	330	30	330	17	1.00	0.10	Y
	10/05/83	340	30	320	16	0.94	0.10	Y
	04/13/84	330	30	350	18	1.06	0.11	Y
	10/03/84	320	30	330	17	1.03	0.11	Y
	04/18/85	320	30	320	16	1.00	0.11	Y
108	12/30/80	310	20	310	15	1.00	0.08	Y
	04/02/81	290	20	320	16	1.10	0.09	Y
	07/11/81	290	20	300	15	1.03	0.09	Y
	10/07/81	280	20	280	14	1.00	0.09	Y
	04/08/82	300	30	310	16	1.03	0.12	Y
	10/05/82	310	30	320	16	1.03	0.11	Y
	04/13/84	300	30	310	16	1.03	0.12	Y
	10/09/84	320	30	350	18	1.09	0.12	Y
	04/23/85	340	30	360	18	1.06	0.11	Y
109	04/02/81	310	20	350	17	1.13	0.09	Y
	07/11/81	320	20	320	16	1.00	0.08	Y
	10/09/81	310	20	310	16	1.00	0.08	Y
	04/15/82	300	30	340	17	1.13	0.13	Y
	10/04/82	340	30	330	17	0.97	0.10	Y
	10/07/83	590	30	600	30	1.02	0.07	Y
	04/16/84	320	30	330	17	1.03	0.11	Y
110	04/02/81	280	20	340	17	1.21	0.11	Y
	10/07/81	310	20	280	14	0.90	0.07	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
110	04/08/82	310	30	330	17	1.06	0.12	Y
	10/05/82	320	30	300	15	0.94	0.10	Y
	10/05/83	300	30	320	16	1.07	0.12	Y
	04/13/84	300	30	330	17	1.10	0.12	Y
	10/03/84	310	30	330	17	1.06	0.12	Y
	04/18/85	310	30	300	15	0.97	0.11	Y
Atomic City	04/02/81	280	20	290	14	1.04	0.09	F,Y
	10/07/81	280	20	280	20	1.00	0.10	Y
	04/08/82	280	30	320	16	1.14	0.14	Y
	10/05/82	310	30	310	16	1.00	0.11	Y
	10/05/83	290	30	280	14	0.97	0.11	Y
	04/13/84	290	30	310	16	1.07	0.12	Y
	10/03/84	300	30	300	15	1.00	0.11	Y
	04/18/85	300	30	290	15	0.97	0.11	Y
Cerro Grande	04/15/81	220	20	220	11	1.00	0.10	T,Y
	10/07/81	250	20	250	12	1.00	0.09	Y
	04/15/82	250	30	230	22	0.92	0.14	Y
	10/04/82	310	30	280	14	0.90	0.10	Y
	10/05/83	320	30	300	15	0.94	0.10	Y
	04/13/84	230	30	240	12	1.04	0.15	Y
	10/05/84	230	30	240	12	1.04	0.15	Y
	04/18/85	240	30	240	12	1.00	0.13	Y
CFA -1	04/30/81	500	20	470	23	0.94	0.06	Y
	10/13/81	490	20	410	20	0.84	0.05	N
	01/20/82	500	20	520	26	1.04	0.07	Y
	04/15/82	470	30	470	24	1.00	0.08	Y
	07/06/82	480	30	470	24	0.98	0.08	Y
	10/11/82	490	30	510	26	1.04	0.08	Y
	10/06/83	480	30	500	25	1.04	0.08	Y
	01/10/84	440	30	460	23	1.05	0.09	Y
	04/16/84	430	30	420	21	0.98	0.08	Y
	10/12/84	430	30	440	22	1.02	0.09	Y
	01/14/85	520	30	500	25	0.96	0.07	Y
	04/26/85	440	30	440	22	1.00	0.08	Y
	07/15/85	480	30	450	23	0.94	0.08	Y
CFA -2	01/16/81	540	40	520	26	0.96	0.09	Y
	04/30/81	450	20	480	24	1.07	0.07	Y
	10/13/81	470	20	430	21	0.91	0.06	Y
	01/20/82	520	20	530	26	1.02	0.06	Y
	04/15/82	510	30	530	27	1.04	0.08	Y
	07/06/82	470	30	490	25	1.04	0.09	Y
	10/11/82	560	30	520	26	0.93	0.07	Y
	10/06/83	480	30	470	24	0.98	0.08	Y
	01/10/84	480	30	450	23	0.94	0.08	Y
	04/16/84	430	30	610	31	1.42	0.12	N
	10/12/84	540	30	540	27	1.00	0.07	Y
	01/14/85	540	30	550	28	1.02	0.08	Y
	04/26/85	470	30	460	23	0.98	0.08	Y
	07/15/85	450	30	510	26	1.13	0.10	Y
CPP -1	07/13/81	360	20	390	20	1.08	0.08	Y
	10/06/81	370	20	350	17	0.95	0.07	Y
	01/20/82	380	20	430	17	1.13	0.07	Y
	04/09/82	340	30	410	21	1.21	0.12	Y
	07/07/82	350	30	360	18	1.03	0.10	Y
	10/08/82	390	30	360	18	0.92	0.08	Y
	10/17/83	370	30	360	18	0.97	0.09	Y
	01/09/84	380	30	370	19	0.97	0.09	Y
	04/18/84	340	30	320	16	0.94	0.10	Y
	10/23/84	370	30	380	19	1.03	0.10	Y
	01/14/85	350	30	370	19	1.06	0.11	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer- tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer- tainty	R	SR	Remarks
CPP -1	05/13/85	330	30	350	18	1.06	0.11	Y
	07/11/85	300	30	350	18	1.17	0.13	Y
CPP -2	04/24/81	370	20	380	18	1.03	0.07	Y
	10/06/81	370	20	350	17	0.95	0.07	Y
	10/11/82	330	30	350	18	1.06	0.11	Y
	10/18/83	340	30	340	17	1.00	0.10	Y
	04/26/84	330	30	330	17	1.00	0.10	Y
	11/07/84	340	30	330	17	0.97	0.10	Y
	04/29/85	350	30	320	16	0.91	0.09	Y
	07/12/85	290	30	320	16	1.10	0.13	Y
CPP -4	05/10/85	360	30	330	17	0.92	0.09	Y
	07/11/85	330	30	370	18	1.12	0.12	Y
CWP -1	10/11/82	520	30	540	27	1.04	0.08	P,Y
	10/19/83	900	30	920	46	1.02	0.06	Y
	04/13/84	890	30	840	42	0.94	0.06	Y
	10/16/84	670	30	650	33	0.97	0.07	Y
	04/26/85	820	30	700	38	0.85	0.06	N
CWP -2	10/19/83	490	30	510	26	1.04	0.08	P,Y
	04/13/84	480	30	460	23	0.96	0.08	Y
	10/16/84	580	30	610	31	1.05	0.08	Y
	04/26/85	470	30	430	22	0.91	0.07	Y
CWP -3	10/11/82	340	30	360	18	1.06	0.11	P,Y
	10/19/83	640	30	640	32	1.00	0.07	Y
	04/13/84	540	30	580	29	1.07	0.08	Y
	10/16/84	390	30	450	23	1.15	0.11	Y
	04/26/85	620	30	590	30	0.95	0.07	Y
CWP -4	10/11/82	410	30	370	19	0.90	0.08	P,Y
	10/19/83	360	30	410	21	1.14	0.11	Y
	04/13/84	420	30	480	24	1.14	0.10	Y
	10/16/84	560	30	590	30	1.05	0.08	Y
	04/26/85	450	30	430	22	0.96	0.08	Y
CWP -5	10/11/82	420	30	410	21	0.98	0.09	P,Y
	04/26/85	390	30	360	18	0.92	0.08	Y
CWP -8	10/11/82	480	30	480	24	1.00	0.08	P,Y
	10/19/83	440	30	450	23	1.02	0.09	Y
	04/13/84	480	30	500	25	1.04	0.08	Y
	10/16/84	470	30	510	26	1.09	0.09	Y
CWP -9	10/11/82	120	30	100	5	0.83	0.21	P,Y
	10/19/83	120	30	114	6	0.95	0.24	Y
	04/13/84	120	30	130	7	1.08	0.28	Y
	10/16/84	110	30	130	7	1.18	0.33	Y
	04/26/85	110	30	112	6	1.02	0.28	Y
EBR -1	04/30/81	220	20	230	12	1.05	0.11	Y
	10/13/81	230	20	210	10	0.91	0.09	Y
	04/15/82	230	30	250	23	1.09	0.17	Y
	10/11/82	240	30	240	12	1.00	0.13	Y
	10/06/83	240	30	240	12	1.00	0.13	Y
	04/16/84	230	30	270	14	1.17	0.16	Y
	10/12/84	230	30	260	13	1.13	0.16	Y
	04/26/85	250	30	230	12	0.92	0.12	Y
Fire Sta. 2	04/15/81	290	20	320	16	1.10	0.09	Y
	10/13/81	360	20	330	16	0.92	0.07	Y
	04/15/82	280	30	380	19	1.36	0.16	N
	07/06/82	350	30	360	18	1.03	0.10	Y
	10/12/82	350	30	340	17	0.97	0.10	Y
	10/06/83	370	30	350	18	0.95	0.09	Y
	01/10/84	380	30	390	20	1.03	0.10	Y
	04/16/84	380	30	420	21	1.11	0.10	Y
	10/12/84	390	30	360	18	0.92	0.08	Y
	01/14/85	370	30	400	20	1.08	0.10	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
Fire Sta. 2	04/26/85	370	30	350	18	0.95	0.09	Y
	07/15/85	330	30	380	19	1.15	0.12	Y
Highway 3	04/15/81	290	20	320	16	1.10	0.09	F,Y
	10/06/81	300	20	290	15	0.97	0.08	Y
	04/08/82	280	30	300	15	1.07	0.13	Y
	10/05/82	310	30	310	16	1.00	0.11	Y
	10/05/83	310	30	280	14	0.90	0.10	Y
	04/10/84	300	30	340	17	1.13	0.13	Y
	10/12/84	310	30	340	17	1.10	0.12	Y
	04/18/85	310	30	340	17	1.10	0.12	Y
Leo Rodgers	07/10/81	290	20	260	13	0.90	0.08	Y
	07/07/82	280	30	310	15	1.11	0.13	Y
	07/12/85	260	30	300	15	1.15	0.15	Y
OMRE	04/15/82	130	30	180	9	1.38	0.33	Y
	10/11/82	200	30	200	10	1.00	0.16	Y
	04/17/84	330	30	370	19	1.12	0.12	Y
	10/12/84	320	30	370	19	1.16	0.12	Y
	04/26/85	320	30	340	17	1.06	0.11	Y
RWMC	01/16/81	310	20	300	15	0.97	0.08	Y
	04/30/81	300	20	290	15	0.97	0.08	Y
	10/13/81	300	20	270	14	0.90	0.08	Y
	01/20/82	310	20	320	16	1.03	0.08	Y
	07/06/82	300	30	340	17	1.13	0.13	Y
	10/11/82	310	30	310	16	1.00	0.11	Y
	10/06/83	320	30	310	15	0.97	0.10	Y
	01/10/84	320	30	330	17	1.03	0.11	Y
	04/18/84	310	30	350	18	1.13	0.12	Y
	10/12/84	290	30	330	17	1.14	0.13	Y
	01/14/85	320	30	320	16	1.00	0.11	Y
	04/26/85	300	30	360	18	1.20	0.13	Y
	07/15/85	270	30	330	17	1.22	0.15	Y
SITE 9	04/15/81	150	20	150	8	1.00	0.14	Y
	10/07/81	140	20	160	8	1.14	0.17	Y
	04/08/82	160	30	150	8	0.94	0.18	Y
	10/06/82	160	30	160	8	1.00	0.19	Y
	10/21/83	160	30	144	7	0.90	0.17	Y
	04/12/84	160	30	180	9	1.13	0.22	Y
	10/15/84	170	30	170	9	1.00	0.18	Y
	04/18/85	160	30	158	8	0.99	0.19	Y
SITE 19	04/24/81	290	20	360	18	1.24	0.11	N
	10/08/81	320	20	310	15	0.97	0.08	Y
	04/16/82	290	30	330	17	1.14	0.13	Y
	10/08/82	300	30	330	17	1.10	0.12	Y
	10/17/83	360	30	350	18	0.97	0.10	Y
	04/10/84	250	30	290	15	1.16	0.15	Y
	10/10/84	320	30	390	20	1.22	0.13	Y
	04/26/85	350	30	320	16	0.91	0.09	Y
SPERT -1	10/07/81	290	20	280	14	0.97	0.08	Y
	04/14/82	300	30	340	17	1.13	0.13	Y
	10/11/82	360	30	370	19	1.03	0.10	Y
	10/06/83	340	30	290	15	0.85	0.09	Y
	04/16/84	360	30	410	21	1.14	0.11	Y
	10/12/84	290	30	350	18	1.21	0.14	Y
	04/26/85	400	30	400	20	1.00	0.09	Y
SWLP 2	04/19/84	830	30	900	45	1.08	0.07	B,Y
	10/17/84	770	30	920	46	1.19	0.08	Y
SWLP 3	04/19/84	800	30	860	43	1.08	0.07	B,Y
SWLP 8	04/19/84	800	30	930	47	1.16	0.07	B,N
	04/26/85	500	30	450	23	0.90	0.07	Y
SWLP 9	04/19/84	730	30	840	42	1.15	0.07	B,N

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
SWLP 9	04/26/85	390	30	370	19	0.95	0.09	Y
SWLP 13	04/19/85	760	30	830	42	1.09	0.07	B,Y
	10/17/84	680	30	730	36	1.07	0.07	Y
	04/26/85	470	30	440	22	0.94	0.08	Y
SWLP 14	04/19/84	700	30	810	41	1.16	0.08	B,Y
	04/26/85	460	30	470	24	1.02	0.08	Y
SWLP 15	04/19/84	700	30	800	40	1.14	0.08	B,Y
	10/17/84	750	30	740	37	0.99	0.06	Y
	04/26/85	450	30	440	22	0.98	0.08	Y
SWLP 16	04/19/84	740	30	810	41	1.09	0.07	B,Y
	04/26/85	490	30	510	26	1.04	0.08	Y
SWLP 22	04/19/84	740	30	810	41	1.09	0.07	B,Y
	04/26/85	470	30	480	24	1.02	0.08	Y
SWLP 23	04/19/84	750	30	830	42	1.11	0.07	B,Y
	04/26/85	500	30	460	23	0.92	0.07	Y
TRA -1	04/29/81	320	20	340	17	1.06	0.09	Y
	10/08/81	360	20	340	17	0.94	0.07	Y
	04/14/82	340	30	400	20	1.18	0.12	Y
	10/10/82	340	30	360	18	1.06	0.11	Y
	10/17/83	370	30	370	19	1.00	0.10	Y
	04/19/84	370	30	380	19	1.03	0.10	Y
	10/11/84	360	30	370	19	1.03	0.10	Y
	04/24/85	360	30	330	17	0.92	0.09	Y
TRA -3	04/29/81	310	20	410	16	1.32	0.10	N
	10/08/81	360	20	360	18	1.00	0.07	Y
	04/14/82	300	30	410	20	1.37	0.15	N
	10/10/82	360	30	390	20	1.08	0.11	Y
	10/17/83	400	30	420	21	1.05	0.09	Y
	04/19/84	350	30	370	19	1.06	0.11	Y
	10/11/84	360	30	380	19	1.06	0.10	Y
	04/24/85	350	30	350	17	1.00	0.10	Y
TRA -4	04/29/81	270	20	370	18	1.37	0.12	N
	10/08/81	350	20	330	17	0.94	0.07	Y
	04/14/82	270	30	290	15	1.07	0.13	Y
	10/10/82	280	30	340	17	1.21	0.14	Y
	10/17/83	340	30	380	19	1.12	0.11	Y
	10/11/84	350	30	360	18	1.03	0.10	Y
	04/24/85	340	30	340	17	1.00	0.10	Y
TRA A-13	04/16/82	330	30	410	20	1.24	0.13	B,Y
	07/07/82	450	30	480	24	1.07	0.09	Y
	10/11/82	560	30	520	26	0.93	0.07	Y
	10/18/83	750	30	740	37	0.99	0.06	Y
	01/12/84	610	30	710	36	1.16	0.08	Y
	04/13/84	670	30	830	42	1.24	0.08	N
	10/17/84	650	30	720	36	1.11	0.08	Y
	01/08/85	810	30	730	37	0.90	0.06	Y
	04/24/85	570	30	590	30	1.04	0.08	Y
	07/09/85	640	30	670	34	1.05	0.07	Y
TRA A-77	01/16/81	190	20	175	8	0.92	0.11	B,Y
	04/20/81	130	20	140	6	1.08	0.17	Y
	07/14/81	69	2	68	5	0.99	0.08	Y
	10/12/81	150	20	135	7	0.90	0.13	Y
	01/20/82	49	2	55	3	1.12	0.08	Y
	04/16/82	46	3	50	5	1.09	0.13	Y
	07/07/82	200	30	100	5	0.50	0.08	N
	10/11/82	200	30	220	11	1.10	0.17	Y
	01/31/84	310	30	330	17	1.06	0.12	Y
	04/18/84	270	30	250	13	0.93	0.11	Y
	10/23/84	240	30	270	14	1.13	0.15	Y
	01/10/85	180	30	168	9	0.93	0.16	Y

Table 24.-- Comparison of specific conductance analyses from the Radiological and Environmental Sciences Laboratory (RESL) and the Idaho Department of Water Resources (IDWR) laboratory --continued

Well identifier	Date sampled	Specific conductance (RESL) (umS/cm2)	+/- uncer-tainty	Specific conductance (IDWR) (umS/cm2)	+/- uncer-tainty	R	SR	Remarks
TRA A-77	04/23/85	250	30	250	13	1.00	0.13	Y
	07/11/85	200	30	240	12	1.20	0.19	Y
INEL -1WS	10/07/81	830	20	730	37	0.88	0.05	N
	04/12/84	600	30	700	35	1.17	0.08	N
	10/29/84	650	30	620	31	0.95	0.06	Y
BLR-ARCO	04/21/82	260	30	410	21	1.58	0.20	S,N
	10/05/82	310	30	360	18	1.16	0.13	Y
	10/19/83	340	30	320	16	0.94	0.10	Y
	04/20/84	320	30	300	15	0.94	0.10	Y
	10/12/84	330	30	340	17	1.03	0.11	Y
	04/19/85	300	30	290	15	0.97	0.11	Y
BLR-DAIRY FARM	04/05/82	280	30	280	14	1.00	0.12	S,Y
	10/07/82	360	30	330	17	0.92	0.09	Y
	10/19/83	320	30	320	16	1.00	0.11	Y
	04/19/84	320	30	290	15	0.91	0.10	Y
	10/18/84	310	30	300	15	0.97	0.11	Y
	04/14/85	290	30	300	15	1.03	0.12	Y
BLR-INEL DIV.	04/05/82	280	30	390	30	1.39	0.18	S,N
	10/05/82	310	30	330	17	1.06	0.12	Y
	10/19/83	350	30	320	16	0.91	0.09	Y
	04/18/84	320	30	290	15	0.91	0.10	Y
	10/18/84	350	30	330	17	0.94	0.09	Y
	04/19/85	290	30	300	15	1.03	0.12	Y