PNNL-13653, Rev. 2

Pacific Northwest
National Laboratory
Operated by Battelle for the
U.S. Department of Energy

A Catalog of Geologic Data for the Hanford Site

D. G. Horton
G. V. Last
T. J Gilmore
B. N. Bjornstad
R. D. Mackley

July 2005

Prepared for the U.S. Department of Energy
under Contract DE-AC05-76RL01830

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Richland, Washington 99352

Summary

The purpose of this report is to update the previous version of the geologic data catalog (Horton et al. 2002). The earlier catalog gathered sources of existing borehole geologic data for the Hanford Site, focusing on the 100, 200, and 300 Areas, with a particular emphasis on the 200 Areas. Over 2,600 boreholes were included in the previous catalog.

This revision of the geologic data catalog incorporates new boreholes drilled after September 2002 as well as other older wells, particularly from the 600 Area, omitted from the earlier catalogs. Additionally, a description of available borehole geophysical log data has been included in the catalog. This version of the geologic data catalog now contains 3,519 boreholes and is current with boreholes drilled as of November 2004. However, the data catalog (Appendix A) is by no means complete. Many individuals have been involved in geologic studies through the years, and the extent of unpublished data retained in their files is unknown. The geologic data catalog is estimated to represent the majority of borehole geologic data currently available from the Hanford Site, but will continued to evolve as additional boreholes and data are added to the database from other areas.

The data catalog in Appendix A identifies the majority of existing lithologic data available for the Hanford Site. Appendix B is an annotated bibliography of references given in Appendix A. Some, but not all of the references in Appendix B, describe the procedures used to collect the data and/or the pedigree of the data if known.

This geologic data catalog is not a database. Instead, it is a listing of the types of existing data and places where the data can be found (e.g., published documents, formal databases, or informal databases). Most of the data were generated during characterization and remediation activities by Bechtel Hanford, Inc.; the waste management and environmental programs of Rockwell Hanford Operations, Westinghouse Hanford Company, and Fluor Hanford, Inc.; the characterization and monitoring activities done by Pacific Northwest National Laboratory (PNNL); and studies done by independent contractors. The geologic data catalog is intended for the subject matter expert who has a need for existing geologic data. The data catalog also can be used to identify data gaps and technical needs

Contents

Table

1.0 Introduction

Site characterization and modeling activities to support the U.S. Department of Energy's (DOE) Hanford Site environmental restoration programs have been underway for several years and are expected to continue for many more years. Part of these characterization efforts is to describe the physical and chemical nature of the vadose zone and aquifer sediment. Although it is necessary to collect new data, voluminous existing data have been collected for various studies during the past 55 years. These existing data provide an essential starting point for future investigations and are critical for successful future site characterization and modeling efforts.

Unfortunately, existing data have not been consolidated into one library or database. Instead, existing data are found in several forms and locations. These include databases, published and unpublished reports, and individuals' technical files.

The Remediation Decision Support Task (formerly the Characterization of Systems Task) under DOE's Groundwater Remediation Project is responsible for establishing a consistent set of data and conceptual models to support Hanford Site efforts to estimate contaminant migration and impact (DeLamare 2000). As part of these efforts, the Remediation Decision Support Task assembled a series of catalogs to identify the depth and breadth of existing data and to facilitate access to those data. The preparation of these catalogs was aimed at helping develop a comprehensive, useable, and scientifically defensible database(s). These catalogs are "living documents" that continue to evolve as additional existing data are found and new data are collected.

Three separate catalogs have been prepared in parallel to document the existing vadose zone data. These included the borehole geologic data (this report), vadose-zone hydraulic-property data (Freeman et al. 2002), and geochemical data (Cantrell et al. 2003). These catalogs joined an already existing catalog on surface and borehole geophysical data (Last and Horton 2000) and a catalog on release mechanisms (Riley and LoPresti 2003).

The purpose of this report is to update the previous version of the geologic data catalog (Horton et al. 2002). The earlier catalog gathered sources of existing borehole geologic data for the Hanford Site, focusing on the 100, 200, and 300 Areas with a particular emphasis on the 200 Areas. Over 2,600 boreholes were included in the previous catalog. This new revision of the geologic data catalog incorporates new boreholes drilled after September 2002 as well as other older wells, particularly from the 600 Area, omitted from the earlier catalogs. Additionally, a description of available borehole geophysical log data has been included in the catalog. This version of the geologic data catalog now contains 3,519 boreholes and is current with boreholes drilled as of November 2004. However, the data catalog (Appendix A) is by no means complete. Many individuals have been involved in geologic studies through the years, and the extent of unpublished data retained in their files is unknown. The geologic data catalog is estimated to represent the majority of borehole geologic data currently available from the Hanford Site, but will continued to evolve as additional boreholes and data are added to the database.

The data catalog (Appendix A) contains the majority of existing lithologic data available for the Hanford Site. The emphasis is on raw data needed to support performance assessments at varying scales and dimensions. The catalog identifies sources for the various geologic parameters needed to support the understanding of hydrologic and geochemical processes in the vadose zone, such as three-dimensional simulations of multiphase flow and contaminant sorption. A bibliography of data sources is included in Appendix B.

This geologic data catalog is not a database. Instead, it is a listing of the types of existing data and places where the data can be found (e.g., published documents, formal databases, or informal databases). Most of the data were generated during characterization and remediation activities by Bechtel Hanford, Inc.; the waste management and environmental programs of Rockwell Hanford Operations, Westinghouse Hanford Company, and Fluor Hanford, Inc.; the characterization and monitoring activities done by Pacific Northwest National Laboratory (PNNL); and studies done by independent contractors. The geologic data catalog is intended for the subject matter expert who has a need for existing geologic data. The data catalog also can be used to identify data gaps and technical needs.

Appendix A contains the catalog of borehole geologic data. Appendix B is an annotated bibliography of references given in Appendix A. Some, but not all of the references in Appendix B, describe the procedures used to collect the data and/or the pedigree of the data if known.

The scope of this catalog includes borehole geologic data collected from all geologic units penetrated by each borehole. This includes units within the unconfined aquifer as well as those in the vadose zone. This was done for completeness, because the geologic units that are below the water table in some areas are above the water table in other areas. It may be possible to extrapolate data from those areas below the water table to those areas above the water table. Also, in cases where there are no data from samples collected above the water table, data from below the water table may be the only available data. This catalog, however, is restricted to geologic data and does not include hydrologic information such as hydraulic conductivity, water table gradient, flow rate, flow direction, or groundwater chemical composition. The data types included in the catalog are lithology descriptions, borehole geophysics, rock composition (mineralogy and chemical composition), physical properties (grain size, density, cementation properties), and geologic structure.

The geologic data catalog includes only sources for raw data. It does not include interpretive data such as contacts between geologic units. The distinction between raw data and interpreted data is important and sometimes subtle. For example, laboratory-derived chemical data show the quantities of various elements in Hanford Site sediment and is considered raw data. The depth of a geologic contact based on the chemical data is interpretive data.

2.0 Interpretive Data

Table 1 contains a list of selected sources for recent interpretive data. The conceptual model of the Hanford Site vadose zone continues to evolve as new data and interpretive methods are developed. As with the raw data, the information in Table 1 is incomplete. However, it represents many of the recently published (post-1990) interpretive data sets and more interpretive data may be available through the reference sections of the reports listed in Table 1.

Table 1. Selected Sources of Recent Interpretive Data

Author and Year	Title and Document Number
Last et al. 2004	*Vadose Zone Hydrogeology Data Package for the 2004 Composite Analysis.* PNNL-14702, Rev. 0.
Reidel 2004	*Geologic Data Package for 2005 Integrated Disposal Facility Waste Performance Assessment.* PNNL-14586.
Bjornstad 2004	*Geologic Contacts Database for the 200 Areas of the Hanford Site.* WMP-22817.
CH2M HILL Hanford Group, Inc. 2003a	*Subsurface Conditions Description of the C and A-AX Waste Management Areas.* RPP-15808.
CH2M HILL Hanford Group, Inc. 2003b	*Subsurface Conditions Description of the U Waste Management Area.* RPP-15808.
DOE 2002	*Standardized Stratigraphic Nomenclature for Post-Ringold Formation Sediments Within the Central Pasco Basin.* DOE/RL-2002-39, Rev. 0.
Williams et al. 2002	*Revised Hydrogeology for the Suprabasalt Aquifer System, 200-West Area and Vicinity, Hanford Site, Washington.* PNNL-13858.
CH2M HILL Hanford Group, Inc. 2002a	*Field Investigation Report for Waste Management Area B-BX-BY.* RPP-10098.
CH2M HILL Hanford Group, Inc. 2002b	*Field Investigation Report for Waste Management Area S-SX.* RPP-7884.
Wood et al. 2001	*Subsurface Conditions Description of the T-TX-TY Waste Management Area.* RPP-7123.
Williams et al. 2000	*Revised Hydrogeology for the Suprabasalt Aquifer System, 200-East Area and Vicinity, Hanford Site, Washington.* PNNL-12261.
Slate 2000	*Nature and Variability of the Plio-Pleistocene Unit in the 200-West Area of the Hanford Site.* BHI-01203.
Reidel and Horton 1999	*Geologic Data Package for the 2001 Immobilized Low-Activity Waste Performance Assessment.* PNNL-12257, Rev. 1. (Includes interpretations for the former Grout Treatment Facility)
Peterson et al. 1996	*Conceptual Site Models for Groundwater Contamination at 100-BC-5, 100-KR-4, 100-HR-3, and 100-FR-3 Operable Units.* BHI-00197.
Lindsey et al. 1994	*Geologic Setting of the Low-Level Burial Grounds*, WHC-SD-EN-TI-290.
Reidel and Fecht 1994a	*Geologic Map of the Richland 1:100,000 Quadrangle, Washington.*
Reidel and Fecht 1994b	*Geologic Map of the Priest Rapids 1:100,000 Quadrangle, Washington.*
Hoffmann 1992	*Summary of the Geology of the 200-BP-1 Operable Unit.* WHC-SD-EN-TI-037.
Lindsey et al. 1992	*Geologic Setting of the 200-East Area: An Update.* WHC-SD-EN-TI-012.
Delaney et al. 1991	*Geology and Hydrology of the Hanford Site: A Standardized Text for Use in Westinghouse Hanford Company Documents and Reports.* WHC-SD-ER-TI-003.
Lindsey and Connelly 1991	*Geologic Setting of the 200-West Area: An Update.* WHC-SD-EN-TI-008.
Bjornstad 1990	*Geohydrology of the 218-W-5 Burial Ground, 200-West Area, Hanford Site.* PNL-7336.

3.0 Subject Matter Experts

Many geoscientists have worked at the Hanford Site during the past 55 years. A quick scan of the bibliography will reveal the names of most of them. Most of these scientists have retired or taken employment at places other than the Hanford Site. However, several of these individuals remain at the Hanford Site and represent, in many cases, the individuals who collected some of the raw data and formulated the interpreted data. Those experts are acknowledged here so that other workers will know whom to contact for information:

- Bruce N. Bjornstad
- Mickie A. Chamness
- Karl R. Fecht
- Tyler J Gilmore
- Shannon M. Goodwin
- Duane G. Horton
- George V. Last
- Jon W. Lindberg
- Kevin A. Lindsey
- Rick McCain
- Steve P. Reidel
- Virginia A. Rohay
- Les Walker
- Dave C. Weekes
- Bruce A. Williams

It is recognized that many field geologists contributed to our knowledge of the Hanford Site over the past years. It is because of their work collecting samples, describing drill cuttings, and measuring geologic properties, that our understanding of the Hanford Site geology is as good as it is.

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Williams BA, BN Bjornstad, R Schalla, and WD Webber. 2002. *Revised Hydrogeology for the Suprabasalt Aquifer System, 200-West Area and Vicinity, Hanford Site, Washington*. PNNL-13858, Pacific Northwest National Laboratory, Richland, Washington.

Wood MI, TE Jones, R Schalla, BN Bjornstad, and FN Hodges. 2001. *Subsurface Conditions Description of the T-TX-TY Waste Management Area*. RPP-7123, Rev. 0, CH2M HILL Hanford Group, Richland, Washington.

Appendix A

Geologic Data Catalog

Appendix A

Geologic Data Catalog

The geologic data catalog presented in the tables that follow represents a static image of the catalog maintained as a MicroSoft Access database. The catalog is organized by area and well name (in rows). Thus, if there is interest in a certain location, data derived from wells near that location can be easily found. The corresponding well identification number (WIN or Well ID) from the Hanford Well Information System (HWIS) is also included as an additional means of well identification. Chamness and Merz (1993) document the well naming scheme used at the Hanford Site until about 2000. An understanding of the old well naming system provides insight into the location of the well, the relative age of the well, and the type of well (e.g., groundwater, vadose, piezometer). The current well naming system is different from the older system and is described in a Fluor Hanford, Inc. procedure (FHI 2004) for naming and numbering wells (and its predecessor, a Bechtel Hanford, Inc. procedure [BHI 2001]).

In addition to the well name, all water wells, borings, and dry wells are given a well identification number (Well ID). These numbers contain four digits, are alpha-numeric, and take the form A2763, A5892, C1483, etc. These numbers are assigned in alpha-numeric order as new wells or boreholes are drilled. If a borehole is drilled and not constructed as a well, it may have a well ID but no well name.

A.1 Format and Content of the Geologic Data Catalog

The types of raw data available for each well are grouped into ten different categories (columns):

- Descriptive Log Data (Log Type)
- Borehole Geophysical Log Data (GPX Log Runs)
- Particle Size Data (Sieved)
- Calcium Carbonate Data ($CaC0_3$)
- Moisture Content Data (Moisture)
- Chemical Property Data (Chemical Properties)
- Physical Property Data (Physical Properties)
- Mineralogic Properties
- Geochronological Properties
- Archived Samples (Archived)

There is somewhat of an inequity in the seven categories of information. Whereas geophysical logs, particle size distribution, calcium carbonate content, and moisture content are given separate columns, all other information is contained in either the chemical property or physical property categories. This was done because data on particle size distribution and calcium carbonate and moisture contents are available for a large number of wells at the Hanford Site, whereas relatively few wells have chemical or physical

property data. In addition, the catalog identifies the source and/or location of the data described in the previous columns. Brief descriptions of each of the general data types are provided in the following sections.

A.1.1 Log Type

The column labeled "Log Type" indicates what types of descriptive logs are available for a given well. Wells with a "D" in the column have an available driller's log. Wells with a "G" have an available geologist's log. All logs on the spreadsheet are available in the Hanford Well Information System (http://apweb02.rl.gov/cfroot/rapidweb/phmc/cp/hwisapp/) and/or the PNNL Well Log Library, located in the Sigma V building at 3110 Port of Benton Blvd., Richland, Washington. Some geologist's and driller's logs are located at both locations.

Generally, the types of information on the geologist's log includes a visual estimate of particle size distribution, sorting, grain roundness, general mineralogy of the gravel and sand fraction, color, reaction to 10% HCl, degree of consolidation and cementation, and any unusual characteristics. The type of information on driller's logs varies greatly from log to log but generally contains only a visual estimate of gravel, sand, and silt.

Entries of "As-built" or "Well Summary" in the Log Type column indicate that these types of summary documents are available. If a reference to HWIS (Hanford Well Information System) is given, the as-built or well summary is available at the HWIS web page (http://apweb02.rl.gov/cfroot/rapidweb/phmc/cp/hwisapp/). For many wells, the as-built diagrams and well summaries are available both at the HWIS web page and in the PNNL Well Log Library. The type of geologic data on the as-built or well summary is generally a summary of the driller's or the geologist's logs and limited to the type of lithology.

A.1.2 GPX Log Runs

This column contains information on available borehole geophysical logging data. A key to the types of logging runs is listed in Table A.1. This information was derived from three primary sources:

1. PNNL Log Database (http://boreholelogs.pnl.gov/)

2. Hanford Geophysical Logging Project Database (http://gj.em.doe.gov/hanf/)

3. Archived hard-copy reports located in the PNNL Well Log Library in room 2110, Sigma V building

Raw data, log headers, and interpreted logging reports are available from the first two sources in electronic format.

The PNNL Log Database contains geophysical data for the 100, 200, 300, and 600 Areas. These logging data were collected by Westinghouse Hanford Company, Waste Management Federal Services, and Duratek between 1989 and 2002.

The Hanford Geophysical Logging Project Database primarily contains data collected from 2001 to present (a few 1991 and 1993 logging efforts are also available) for the 100, 200, and 600 Areas. Duratek, Mactec-ERS, and S.M. Stoller Corporation were the principal contractors.

Table A.1. Types of Borehole Geophysical Logs

Symbol	Log Type	Description
CP	Caliper Logs	Records the diameter of the borehole or well casing. Changes in diameter are related to fracturing or caving along the borehole wall and to well construction.
DN	Density Logs (Gamma-Gamma Logs)	Records the back-scattered gamma-rays coming from the interaction of an active source of gamma-rays with the formation and other borehole/well materials. Changes can be related to the bulk density of the formation.
GG	Gross Gamma Logs	Records the total gamma radiation emitted by the formation surrounding the borehole. The amount of radiation is related to lithology and/or the presence of anthropogenic gamma-emitting radionuclides.
MG	Magnetic Logs	Records the natural magnetic field in the formation surrounding the borehole. Changes relate to the magnetic reversals in basalt flows and the presence of interbeds.
MO	Moisture Logs (Neutron Logs)	Records the number of neutrons impinging on a detector from a constant source after interacting with surrounding particles (particularly hydrogen). When used in the unsaturated zone, changes relate to the changes in moisture content.
NT	Neutron Logs	Records the number of neutrons impinging on a detector from a constant source, after interacting with surrounding formation materials (particularly hydrogen). When used in saturated conditions, changes relate to total porosity.
OT	Other Logs	This refers to other various logging types (e.g., 3D velocity, dual induction, dip meter).
SN	Sonic Logs (Acoustic Logs)	Measures the travel time and attenuation of an acoustic signal. Useful in determining relative porosities of different formations and/or how well the casing has been cemented to the formation.
SG	Spectral-Gamma Ray Logs	Measures the energy spectrum and intensity of gamma rays emitted from the formation. Analysis of these data permit identification of gamma-emitting radionuclides and their estimated concentrations.
TP	Temperature Logs	Record the water temperature in the borehole. These logs are useful for delineating fluid levels, water-bearing zones, cement location, and formation temperatures.
After Driscol (1986).		

Electronic files from previous compilations of geophysical logs were used to catalog pre-1992 geophysical logs archived in the Sigma V building (e.g., Chamness et al. 1991; Chamness et al. 1992).

A.1.3 Sieved

The information in the "Sieved" column indicates whether particle size distribution analyses exist for samples from each well. Entries of "Virtual Library" in the column mean that the particle size distribution data are available in the Virtual Library database maintained by Fluor Hanford, Inc. and located at http://vlprod.rl.gov/vlib/app/index.cfm. A user name and password are required for access to the Virtual Library and can be obtained from Fluor Hanford, Inc. Laboratory particle size data in the Virtual Library was derived from the now abandoned ROCSAN Database. Field estimates in the Virtual Library were derived from information on geologist's logs.

Price and Fecht (1976) give a brief explanation of the procedures used to obtain data for the ROCSAN (a.k.a. ROC) database.

When using the particle size data in the Virtual Library database, the user should attempt to determine the method used to sample the borehole. Boreholes that were cored or sampled by cable tool with a drive barrel generally give much better information than boreholes sampled by cable tool with hard tool and bailer methods because the hard tool tends to alter the natural grain size distribution. The sampling method can usually be determined by examining the well logs in the PNNL or HWIS libraries. The old ROCSAN database would default to "drive barrel" as the drilling method if no specific method was entered. Thus, the older ROCSAN database is not a reliable way to determine sampling method; the sampling method is not yet part of the Virtual Library database.

Entries of "Y" (yes) in the "Sieved" column indicate that particle size distribution data are available in sources other than the Virtual Library database. The source of the data is indicated in the "Source" column, which can be cross-referenced to the bibliography.

For many of the wells, grain size distribution data are available for samples collected at 5-foot intervals. However, for other wells, grain size distribution data are available only for part of the borehole or for random, or preselected depths. The quantity of the sieve data for a specific well can only be determined by going to the Virtual Library or the referenced data source(s).

A.1.4 $CaCO_3$

The information in the "$CaCO_3$" column indicates whether calcium carbonate concentration data exist for samples from each well. As with the "Sieved" column, entries of "Virtual Library" in the "$CaCO_3$" column mean that calcium carbonate concentration data are available in the Virtual Library database maintained by Fluor Hanford, Inc. The calcium carbonate information in the Virtual Library database was taken from the ROCSAN database. The calcium carbonate content of samples in the Virtual Library database was measured with a semiquantitative CO_2 displacement method (e.g. Horwitz 1970). Qualitative estimates of calcium carbonate content as made by the geologists in the field are not included in the "$CaCO_3$" column.

Entries of "Y" (yes) in the "$CaCO_3$" column indicate that data are available from sources other than the Virtual Library database. The source of the data is indicated in the "Source" column which can be cross-referenced to the bibliography.

Just as for the grain-size distribution data, data for calcium carbonate content are available for samples collected at 5-foot intervals for many of the wells. However, for other wells, calcium carbonate data are available only for part of the borehole or for random, or preselected depths. The quantity of the data can only be determined by going to the Virtual Library or the referenced data source.

A.1.5 Moisture

A "Y" (Yes) in the "Moisture" column means that moisture content data are available for samples from the specified well. If there is a reference in the "Source" column, the data are available through the reference. Some of the references describe the procedure used to collect the data or give the laboratory that measured the data so that some judgment of the data quality can be made. If no reference is given in the "Source" column, the data are available in the PNNL Well Log Library.

For many of the wells, moisture content is available for samples collected at 5-foot intervals. However, for other wells, moisture data are available only for part of the borehole or for random, or preselected depths. The quantity of the data can only be determined by going to the referenced data source or to the PNNL Well Log Library.

A.1.6 Chemical Properties

Information in the "Chemical Properties" column indicates what chemical property data are available for samples from each well. The types of data and their abbreviations used in this column are given in Table A.2. The sources of the data are indicated in the "Source" column, which can be cross-referenced to the bibliography. Annotations in the bibliography tell which data are contained in the source. Thus, if more than one data type and more than one source are listed, the bibliography can help the user to determine which source contains the desired data. For example, well 299-E17-21 has available sieve data and magnetic polarity data. A check of the bibliography shows that the sieve data are in Valenta et al. (2000) and the magnetic polarity data are in Reidel and Horton (1999). If more than one type of data is listed in the "Chemical Properties" column and if the annotations in the bibliography do not indicate that the source contains the desired data, then that data are available in the PNNL Well Log Library.

Table A.2. Types of Chemical Property Data

Abbreviation	Meaning
1:1	Chemical analysis of metals, and/or cations, and/or anions, and/or pH of 1:1 sediment to water extract
Aex	Chemical analysis of metals, cations, anions, and/or pH of 1:1 sediment to acid extract
Alk	Alkalinity analysis of porewater or 1:1 water extract
Alpha	Laboratory analysis of gross alpha or alpha spectrometry
Am	Americium-241
An	Anions
$ASiO_2$	Amorphous silica
Beta	Laboratory analysis of gross beta or beta spectrometry
CN	Analysis of cyanide
CrVI	Analysis of hexavalent chromium
Field pH	Field measurements of pH in geologist's logs
Field Rad	Data are available in driller's logs for field measurements of radiation (GM counter)
Field Rad/Temp	Data are available in driller's logs for field measurements of radiation (GM counter) and/or temperature
Gamma	Laboratory analysis of gross gamma or gamma spectrometry
GEA	Gamma energy analysis for radionuclides
H-3	Laboratory analysis for tritium
IC	Laboratory analysis of inorganic carbon
Lab Rad	Laboratory measurements of soil radioactivity
Metals	Laboratory analysis of metals usually by inductively coupled plasma or atomic absorption
MiscMetals	Laboratory analysis of various miscellaneous metals or radioisotopes
NO^3	Laboratory analysis for nitrate
N	Laboratory analysis for nitrogen
P	Laboratory analysis for phosphorus
PID	Field measurements with a photoionization detector in geologist's logs
Pu	One or more isotope of plutonium
Pwater	Porewater composition
Res	Resistivity
Sr-90	Laboratory analysis of Sr-90
StIso	Stable isotopes
SVOA	Semi-volatile organic compounds

Table A.2. (contd)

Abbreviation	Meaning
TC	Total carbon
TFe/Fe2	Total iron and ferrous iron
TOC	Total organic carbon
VarMetals	Analysis of various metals by unspecified methods
VOA	Volatile organic compounds
Wet Chem	Digestate and/or leachate composition (metals and/or anions)
XRF	Chemical analysis by x-ray fluorescence
Y	Data available

In some cases, two sources may be listed that give the same information. For example, sieve data for boreholes in the tank farms are found in the Virtual Library database and in the series of reports by Price and Fecht (see bibliography, Appendix B).

If no source is given for the data, the data are found in the PNNL Well Log Library.

A.1.7 Physical Properties

The "Physical Properties" column indicates what physical property data are available for samples from each well. The "Physical Properties" column is used similar to the "Chemical Properties" column described above. The types of data and their abbreviations used in this column are given in Table A.3.

Table A.3. Types of Physical Property Data

Abbreviation	Meaning
%GSSC	Percent gravel, sand, silt, and clay. These data require hydrometer analysis to differentiate silt and clay. Most sources giving this type of information mention the use of hydrometer analysis; some do not. Those that do not suggest the data may be suspect. If hydrometer data were given but no calculation of percent clay and silt, the symbol %GSSC was still applied.
15-Atm	15-Atmosphere moisture. This is the moisture content held in a soil against a pressure of 225 psi.
AirPerm	Air permeability
Bden	Bulk density
CEC	Cation exchange capacity
Cond	Electrical conductivity of 1:1 water extract or porewater
Pden	Particle density
Pip	Pipette analysis of grain size
Por	Porosity
SpG	Specific gravity

A.1.8 Mineralogical Properties

Information in the Mineralogical Properties column indicates the types of mineralogic data that are available. The types of data are defined in Table A.4.

Table A.4. Types of Mineralogic Data

Abbreviation	Meaning
EM	Electron microprobe
Min	Mineralogy by petrographic microscope
PbC	Pebble count data
PC	Point count modal composition
SEM	Scanning electron microscopy
TEM	Transmission electron microscope
XRD	Mineralogy by x-ray diffraction

A.1.9 Geochronological Properties

Information in the Geochronological Properties column indicates the types of geochronological data that are available. The types of data are defined in Table A.5.

Table A.5. Types of Geochronologic Data

Abbreviation	Meaning
C-14	Carbon-14 age date
Date	Radiometric or thermo luminescent age date
Paleomag	Geomagnetic polarity

A.1.10 Archived

A "Y" (Yes) in the "Archived" column indicates that samples from the well are archived in the Geotechnical Sample Library in the 300 Area. A database of samples in the library is maintained by PNNL. The database specifies the well name and number, the depth, the drill method, the drill date, and the library location for each sample. In general, wells were sampled at 5-foot intervals. However, many wells were not sampled through their entire depth for various reasons. Access to the database and the Geotechnical Sample Library is through S. P. Reidel or D. G. Horton at PNNL. A few samples are flagged Y* in the Archived column. The asterisk indicates that archived samples are available but they are potentially radiologically contaminated and they are archived in the 325 building laboratory. Archived samples are available to users who have a need for them.

A.1.11 Source

The "Source" column gives the reference or references to the locations of the data listed in all other columns. A bibliography of data sources listed in this column can be found in Appendix B. Most references in the bibliography are annotated to indicate what types of data are in the referenced source. If the referenced data source described the procedures used for data collection or mentioned the laboratory that collected the data, that information is included in the annotations. This allows the data users to form an opinion about the quality of the data.

If no source is given, the log data are in the PNNL Well Log Library and/or the particle size data are in the Virtual Library database. References to as-built diagrams, well summary sheets, and the Hanford Well Information System (HWIS) indicate that these sources are available. The HWIS and/or the PNNL Well Log Library contains as-built diagrams and well summary sheets. The HWIS can be found at (http://apweb02.rl.gov/cfroot/rapidweb/phmc/cp/hwisapp/). Both as-built diagrams and well summary sheets mostly contain information about the well itself and may or may not include geologic information. These are good sources, however, to determine how a specific well was drilled and constructed.

Table A.6 contains the actual geologic data.

A.2 References

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Horwitz W. 1970. *Official Methods of Analysis of the Association of Official Analytical Chemists.* 11th Edition, Association of Official Analytical Chemists (now named AOAC International), Gaithersburg, Maryland, p. 139.

Price WH and KR Fecht. 1976. *Geology of the 241-SX Tank Farm.* ARH-LD-134, Atlantic Richfield Hanford Company, Richland, Washington.

Reidel SP and DG Horton. 1999. *Geologic Data Package for the 2001 Immobilized Low-Activity Waste Performance Assessment*. PNNL-12257, Rev. 1, Pacific Northwest National Laboratory, Richland, Washington.

Valenta MM, JR Moreno, MB Martin, RE Ferri, DG Horton, and SP Reidel. 2000. *Particle Size Distribution Data From Existing Boreholes at the Immobilized Low-Activity Waste Site.* PNNL-13328, Pacific Northwest National Laboratory, Richland, Washington.

Table A.6. Geologic Data

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1	100-B/C	199-B2-12	A4550	D, G, Well summary	GG, SG	Y		Y		SpG, Bden				HWIS; Khaleel 1999	Aquifer test (slug test)
2	100-B/C	199-B2-13	A4551	D, G, Well summary	GG, SG									HWIS	Aquifer test (slug test)
3	100-B/C	199-B3-1	A4552	D, As-built	GG, OT, SG, TP									HWIS	
4	100-B/C	199-B3-2	A9505	D, As-built	GG, OT, SG, TP									HWIS	
5	100-B/C	199-B3-46	A4553	D, G, Well summary	GG, SG									DOE 1994a; HWIS	Aquifer test (slug test)
6	100-B/C	199-B3-47	A4554	D, G, Well summary	GG, SG									HWIS	
7	100-B/C	199-B3-48	A5537	D, G	SG										
8	100-B/C	199-B4-1	A4555	D, As-built	GG, OT, SG, TP									HWIS	
9	100-B/C	199-B4-10	A5542	D, G	SG										
10	100-B/C	199-B4-11	A9907	D, G											
11	100-B/C	199-B4-12	A9908	D, G											
12	100-B/C	199-B4-13	A9909	D, G											
13	100-B/C	199-B4-2	A5539	D, As-built	DN, GG, NT, OT, TP									HWIS	
14	100-B/C	199-B4-3	A4556	D, As-built	DN, GG, NT, OT, TP									HWIS	
15	100-B/C	199-B4-4	A4557	D, As-built	GG, OT, SG, TP									HWIS	
16	100-B/C	199-B4-5	A5540	D, G	GG, SG										
17	100-B/C	199-B4-6	A4558	D, G, As-built	GG									HWIS	
18	100-B/C	199-B4-7	A5541	D, G, As-built	GG									HWIS	
19	100-B/C	199-B4-8	A4559	D, G, As-built	GG, SG				Field Rad					HWIS	
20	100-B/C	199-B4-9	A4560	D, G, As-built	SG	Y		Y	Field Rad	SpG, Bden				HWIS, see R. Khaleel or G. Freemen for sieve data	
21	100-B/C	199-B5-1	A4561	D, As-built	GG, OT, TP									HWIS	
22	100-B/C	199-B5-2	A4562	D, G	GG, SG				Field Rad						
23	100-B/C	199-B5-3	A5543	D, G	SG				Field Rad						
24	100-B/C	199-B5-4	A5544	D, G	SG				Field Rad						
25	100-B/C	199-B8-1	A5545	D											
26	100-B/C	199-B8-2	A5546	D											
27	100-B/C	199-B8-3	A5547	D											
28	100-B/C	199-B8-4	A5548	D											
29	100-B/C	199-B8-5	A5549	D											
30	100-B/C	199-B8-6	A4563	D, G, Well summary	GG, SG				Field Rad					HWIS	
31	100-B/C	199-B9-1	A4564	D, As-built	GG, OT, SG, TP									HWIS	
32	100-B/C	199-B9-2	A4565	D, G, Well summary	GG, SG	Y		Y	Field Rad	SpG, Bden				HWIS, see R. Khaleel or G. Freemen for sieve data	
33	100-B/C	199-B9-3	A4566	D, G, Well summary	GG, SG				Field Rad					HWIS	
34	100-B/C	199-B9-4	A5550	Well summary	SG										
35	100-B/C	116-B-1 vadose borehole							Field Rad, Lab Rad, Metals, SVOA, VOA					DOE 1994b	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
36	100-B/C	116-B-6A; BH-1		G											Wells for in situ vitrification
37	100-B/C	BH-2		G											Wells for in situ vitrification
38	100-B/C	BH-3		G											Wells for in situ vitrification
39	100-D/DR	199-D2-2	A5552										Y		Abandoned
40	100-D/DR	199-D2-4	A5554										Y		
41	100-D/DR	199-D2-5	A4567	D	GG, SG, TP								Y	HWIS	Decommissioned 3/2/98
42	100-D/DR	199-D2-6	A4568	G	GG, SG								Y	DOE 1993a	Groundwater monitoring
43	100-D/DR	199-D2-8	C3040	G										HWIS	
44	100-D/DR	199-D3-1	A5555	D										HWIS	Abandoned
45	100-D/DR	199-D3-3	C3312	G										Martinez and Weekes 2002	
46	100-D/DR	199-D3-4	C3314	G										Martinez and Weekes 2002	
47	100-D/DR	199-D4-1	B2895	G, Well summary											ISRM Monitoring
48	100-D/DR	199-D4-10	B8068	G										HWIS	ISRM injection
49	100-D/DR	199-D4-11	B8069	G										HWIS	ISRM injection
50	100-D/DR	199-D4-12	B8070	G										HWIS	ISRM injection
51	100-D/DR	199-D4-16	B8110	G										HWIS	ISRM Monitoring; Westbay
52	100-D/DR	199-D4-17	B8459	G										HWIS	ISRM Monitoring; Westbay
53	100-D/DR	199-D4-18	B8460	G										HWIS	ISRM Monitoring; Westbay
54	100-D/DR	199-D4-19	B8746	G										Lee 1999	Groundwater monitoring
55	100-D/DR	199-D4-2	B8058	G		Y				Bden, Pden, Por				Williams et al. 2000	ISRM Monitoring
56	100-D/DR	199-D4-20	B8750	G										Lee 1999	Groundwater monitoring
57	100-D/DR	199-D4-21	B8755	G										Lee 1999	Groundwater monitoring
58	100-D/DR	199-D4-23	B8779	G										HWIS	
59	100-D/DR	199-D4-24	B8975	G										Laurenz and Walker 2001	ISRM injection
60	100-D/DR	199-D4-25	B8976	G										Laurenz and Walker 2001	ISRM injection
61	100-D/DR	199-D4-26	B8977	G										Laurenz and Walker 2001	ISRM injection
62	100-D/DR	199-D4-27	B8978	G										Laurenz and Walker 2001	ISRM injection

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
63	100-D/DR	199-D4-28	B8979	G										Laurenz and Walker 2001	ISRM injection
64	100-D/DR	199-D4-29	B8980	G										Laurenz and Walker 2001	ISRM injection
65	100-D/DR	199-D4-3	B8059	G		Y				Bden, Pden, Por				Williams et al. 2000	ISRM Monitoring
66	100-D/DR	199-D4-31	B8982	G										Laurenz and Walker 2001	ISRM injection
67	100-D/DR	199-D4-32	B8983	G										Laurenz and Walker 2001	ISRM injection
68	100-D/DR	199-D4-33	B8984	G										Laurenz and Walker 2001	ISRM injection
69	100-D/DR	199-D4-34	B8985	G										Laurenz and Walker 2001	ISRM injection
70	100-D/DR	199-D4-35	B8986	G										Laurenz and Walker 2001	ISRM injection
71	100-D/DR	199-D4-36	B8987	G										Laurenz and Walker 2001	ISRM injection
72	100-D/DR	199-D4-37	B8988	G										Laurenz and Walker 2001	ISRM injection
73	100-D/DR	199-D4-38	B8989	G										Laurenz and Walker 2001	Groundwater monitoring
74	100-D/DR	199-D4-39	B8990	G										Laurenz and Walker 2001	Groundwater monitoring
75	100-D/DR	199-D4-4	B8060	G		Y				Bden, Pden, Por				HWIS	ISRM Monitoring
76	100-D/DR	199-D4-40	C3270	G										Trice et al. 2001; HWIS	
77	100-D/DR	199-D4-41	C3271	G										Trice et al. 2001; HWIS	
78	100-D/DR	199-D4-42	C3272	G										Trice et al. 2001; HWIS	
79	100-D/DR	199-D4-43	C3273	G										Trice et al. 2001; HWIS	
80	100-D/DR	199-D4-44	C3274	G										Trice et al. 2001; HWIS	
81	100-D/DR	199-D4-45	C3275	G										Trice et al. 2001; HWIS	
82	100-D/DR	199-D4-46	C3276	G										Trice et al. 2001; HWIS	
83	100-D/DR	199-D4-47	C3277	G										Trice et al. 2001; HWIS	
84	100-D/DR	199-D4-48	C3278	G										Trice et al. 2001; HWIS	
85	100-D/DR	199-D4-49	C3279	G										Trice et al. 2001; HWIS	
86	100-D/DR	199-D4-5	B8061	G		Y				Bden, Pden, Por				HWIS	ISRM Monitoring
87	100-D/DR	199-D4-50	C3280	G										Trice et al. 2001; HWIS	
88	100-D/DR	199-D4-51	C3281	G										Trice et al. 2001; HWIS	
89	100-D/DR	199-D4-52	C3282	G										Trice et al. 2001; HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
90	100-D/DR	199-D4-53	C3283	G										Trice et al. 2001; HWIS	
91	100-D/DR	199-D4-54	C3284	G										Trice et al. 2001; HWIS	
92	100-D/DR	199-D4-55	C3285	G										Trice et al. 2001; HWIS	
93	100-D/DR	199-D4-56	C3286	G										Trice et al. 2001; HWIS	
94	100-D/DR	199-D4-57	C3287	G										Trice et al. 2001; HWIS	
95	100-D/DR	199-D4-58	C3288	G										Trice et al. 2001; HWIS	
96	100-D/DR	199-D4-59	C3289	G										Trice et al. 2001; HWIS	
97	100-D/DR	199-D4-6	B8064	G										HWIS	ISRM Monitoring
98	100-D/DR	199-D4-60	C3290	G										Trice et al. 2001; HWIS	
99	100-D/DR	199-D4-61	C3291	G										Trice et al. 2001; HWIS	
100	100-D/DR	199-D4-62	C3292	G										Trice et al. 2001; HWIS	
101	100-D/DR	199-D4-63	C3293	G										Trice et al. 2001; HWIS	
102	100-D/DR	199-D4-64	C3294	G										Trice et al. 2001; HWIS	
103	100-D/DR	199-D4-65	C3295	G										Trice et al. 2001; HWIS	
104	100-D/DR	199-D4-66	C3296	G										Trice et al. 2001; HWIS	
105	100-D/DR	199-D4-67	C3297	G										Trice et al. 2001; HWIS	
106	100-D/DR	199-D4-68	C3298	G										Laurenz and Walker 2000	
107	100-D/DR	199-D4-69	C3299	G										Martinez and Weekes 2002	
108	100-D/DR	199-D4-7	B8065	G										Williams et al. 2000	ISRM injection
109	100-D/DR	199-D4-70	C3300	G										Martinez and Weekes 2002	
110	100-D/DR	199-D4-71	C3301	G										Martinez and Weekes 2002	
111	100-D/DR	199-D4-72	C3302	G										Martinez and Weekes 2002	
112	100-D/DR	199-D4-73	C3303	G										Martinez and Weekes 2002	
113	100-D/DR	199-D4-74	C3304	G										Martinez and Weekes 2002	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
114	100-D/DR	199-D4-75	C3305	G										Martinez and Weekes 2002	
115	100-D/DR	199-D4-76	C3306	G										Martinez and Weekes 2002	
116	100-D/DR	199-D4-77	C3307	G										Martinez and Weekes 2002	
117	100-D/DR	199-D4-78	C3308	G										Martinez and Weekes 2002	
118	100-D/DR	199-D4-79	C3309	G										Martinez and Weekes 2002	
119	100-D/DR	199-D4-8	B8066	G										Williams et al. 2000	ISRM Monitoring
120	100-D/DR	199-D4-80	C3310	G										Martinez and Weekes 2002	
121	100-D/DR	199-D4-81	C3311	G										Martinez and Weekes 2002	
122	100-D/DR	199-D4-82	C3313	G										Martinez and Weekes 2002	
123	100-D/DR	199-D4-83	C3315	G										Trice et al. 2001; HWIS	
124	100-D/DR	199-D4-84	C3316	G										Trice et al. 2001; HWIS	
125	100-D/DR	199-D4-85	C3317	G										Trice et al. 2001	
126	100-D/DR	199-D4-86	C3318	G										Trice et al. 2001	
127	100-D/DR	199-D4-87	C3799	G										Martinez and Weekes 2002	
128	100-D/DR	199-D4-88	C3800	G										Martinez and Weekes 2002	
129	100-D/DR	199-D4-89	C3801	G										Martinez and Weekes 2002	
130	100-D/DR	199-D4-9	B8067	G										Williams et al. 2000	ISRM injection
131	100-D/DR	199-D5-1	A5556										Y		Abandoned
132	100-D/DR	199-D5-10	A5565	G									Y	HWIS	
133	100-D/DR	199-D5-11	A5566	G									Y	HWIS	
134	100-D/DR	199-D5-12	A4569	G	DN, GG, NT, SG, TP									DOE 1993a	Groundwater monitoring
135	100-D/DR	199-D5-13	A4570	G	GG, SG	Y	Y	Y					Y	DOE 1993a	Groundwater monitoring

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
136	100-D/DR	199-D5-14	A4571	G	GG, SG	Y				Bden, Por, SpG			Y	DOE 1993a; Khaleel 1999; Peterson et al. 1996	Groundwater monitoring
137	100-D/DR	199-D5-15	A4572	G	GG, SG					Bden, Por, SpG			Y	DOE 1993a; Peterson et al. 1996	Groundwater monitoring
138	100-D/DR	199-D5-16	A4573	G	GG, SG					Bden, Por, SpG			Y	DOE 1993a; Peterson et al. 1996	Groundwater monitoring
139	100-D/DR	199-D5-17	A4574	G	GG, SG	Y				Bden, Por, SpG			Y	DOE 1993a; Khaleel 1999; Peterson et al. 1996	Groundwater monitoring
140	100-D/DR	199-D5-18	A4575	G	GG, SG					Bden, Por, SpG			Y	DOE 1993a; Peterson et al. 1996	Groundwater monitoring
141	100-D/DR	199-D5-19	A4576	G	GG, SG					Bden, Por, SpG			Y	DOE 1993a; Peterson et al. 1996	Groundwater monitoring
142	100-D/DR	199-D5-2	A5557										Y	DOE 1993a	Abandoned
143	100-D/DR	199-D5-20	A4577	D, G, As-built	GG, SG								Y	HWIS	Groundwater monitoring
144	100-D/DR	199-D5-21	A5567	D, G	GG, SG									HWIS	
145	100-D/DR	199-D5-22	A5568	G	GG, SG								Y	HWIS	Abandoned; B8778
146	100-D/DR	199-D5-23	A5569	G	GG, SG								Y	HWIS	Abandoned; B8779
147	100-D/DR	199-D5-24	A5570	D, G	GG								Y	HWIS	Abandoned
148	100-D/DR	199-D5-25	A5571	D, G	GG, SG								Y	HWIS	Abandoned
149	100-D/DR	199-D5-26	A5572	D, G	GG								Y	HWIS	Abandoned
150	100-D/DR	199-D5-27	A5573	D, G, As-built	GG								Y	HWIS	Abandoned
151	100-D/DR	199-D5-28	A5574	D, G, As-built	GG, SG								Y	HWIS	Abandoned
152	100-D/DR	199-D5-29	A5575	D, G									Y	HWIS	Abandoned
153	100-D/DR	199-D5-30	A5576	D, G	SG	Y							Y	See R. Khaleel or G. Freeman for sieve data	
154	100-D/DR	199-D5-32	C4185	G		Y								Martinez 2004	100-HR-3
155	100-D/DR	199-D5-33	C4186	G		Y								Martinez 2004	100-HR-3
156	100-D/DR	199-D5-34	C4187	G		Y								Martinez 2004	100-HR-3
157	100-D/DR	199-D5-36	B8744	G		Y								Lee 1999	Groundwater monitoring
158	100-D/DR	199-D5-37	B8745	G		Y								Lee 1999	Groundwater monitoring
159	100-D/DR	199-D5-38	B8747	G		Y								Lee 1999	Groundwater monitoring
160	100-D/DR	199-D5-39	B8748	G		Y								Lee 1999	Groundwater monitoring
161	100-D/DR	199-D5-40	B8749	G		Y								Lee 1999	Groundwater monitoring

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162	100-D/DR	199-D5-41	B8751	G		Y								Lee 1999	Groundwater monitoring
163	100-D/DR	199-D5-42	B8752	G		Y								Lee 1999	Groundwater monitoring
164	100-D/DR	199-D5-43	B8753	G		Y								Lee 1999	Groundwater monitoring
165	100-D/DR	199-D5-44	B8754	G		Y								Lee 1999	Groundwater monitoring
166	100-D/DR	199-D8-2	A5580	D	GG, SG, TP								Y	DOE 1993a	Decommissioned 3/11/98
167	100-D/DR	199-D8-3	A4578	D	DN, GG, NT, SG, TP								Y	DOE 1993a	Decommissioned 9/2/98
168	100-D/DR	199-D8-4	A4579	G	GG, SG		Y	Y					Y	HWIS	Groundwater monitoring
169	100-D/DR	199-D8-5	A4580	G	GG, SG		Y	Y					Y	DOE 1993a	Groundwater monitoring
170	100-D/DR	199-D8-53	A4581	D, G		Y							Y	DOE 1993a; Khaleel 1999; Peterson et al. 1996	ISRM extraction
171	100-D/DR	199-D8-54A	A4582	D, G		Y							Y	DOE 1993a; Khaleel 1999	ISRM extraction
172	100-D/DR	199-D8-54B	A4583	D, G, Well summary	GG, SG	Y				Bden. Por, SpG			Y	DOE 1993a; Khaleel 1999; Peterson et al. 1996	ISRM performance
173	100-D/DR	199-D8-55	A4584	D, G, As-built	GG, SG	Y				Bden, SpG			Y	DOE 1993a; Khaleel 1999; Peterson et al. 1996	Groundwater monitoring
174	100-D/DR	199-D8-59	A5630	D, G	GG, SG								Y	HWIS	Abandoned
175	100-D/DR	199-D8-6	A4585	G	GG, MG, SG	Y	Y	Y					Y	DOE 1993a	Groundwater monitoring
176	100-D/DR	199-D8-60	A5631	G	GG								Y	HWIS	Abandoned
177	100-D/DR	199-D8-61	A5632	D, G	GG								Y	HWIS	Abandoned
178	100-D/DR	199-D8-62	A5633	D, G	GG								Y	HWIS	Abandoned
179	100-D/DR	199-D8-63	A5634	D, G	GG, SG								Y	HWIS	Abandoned
180	100-D/DR	199-D8-64	A5635	G	GG								Y	HWIS	Abandoned
181	100-D/DR	199-D8-65	A5636	G	GG								Y	HWIS	Abandoned
182	100-D/DR	199-D8-66	A5637	G									Y	HWIS	Abandoned
183	100-D/DR	199-D8-68	B2772	G, Well summary		Y								HWIS	ISRM compliance
184	100-D/DR	199-D8-69	B2773	G, Well summary		Y								HWIS	ISRM compliance
185	100-D/DR	199-D8-70	B2774	G, Well summary		Y								HWIS	ISRM compliance
186	100-D/DR	199-D8-71	B2775	G, Well summary		Y								HWIS	ISRM performance
187	100-D/DR	199-D8-72	C3829	G		Y								Sump 2002a	
188	100-F	199-F1-2	A4586	G	SG								Y	HWIS	
189	100-F	199-F2-1	A5640	D	GG, NT, SG									HWIS	
190	100-F	199-F2-2	A5641	As-built	GG, NT									HWIS	

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191	100-F	199-F2-3	A5642	D										HWIS	
192	100-F	199-F4-2	A5645	D, G	SG									HWIS	
193	100-F	199-F4-45		G									Y		
194	100-F	199-F5-1	A4587	D	DN, GG, NT, SG, TP								Y	HWIS	
195	100-F	199-F5-2	A4588	D									Y	HWIS	
196	100-F	199-F5-3	A4589	D	GG, SG, TP								Y	HWIS	
197	100-F	199-F5-4	A4590	D	GG, TP								Y	HWIS	
198	100-F	199-F5-42	A4591	G	GG, SG									HWIS	
199	100-F	199-F5-43A	A4592	G	GG, SG								Y	HWIS	
200	100-F	199-F5-43B	A4593	G	GG, SG	Y							Y	See R. Khaleel or G. Freeman for sieve data	
201	100-F	199-F5-44	A4594	G	GG, SG								Y	HWIS	
202	100-F	199-F5-45	A4595	G, As-built	GG, SG									HWIS	
203	100-F	199-F5-46	A4596	G	GG								Y	HWIS	
204	100-F	199-F5-47	A4597	G	SG								Y	HWIS	
205	100-F	199-F5-48	A4598	G	GG, SG	Y							Y	See R. Khaleel or G. Freeman for sieve data	
206	100-F	199-F5-49	A5680	D, G	SG									HWIS	
207	100-F	199-F5-5	A4599	D									Y	HWIS	
208	100-F	199-F5-50	A5681	D, G	SG									HWIS	
209	100-F	199-F5-51	A5682	D, G	SG									HWIS	
210	100-F	199-F5-6	A4600	D	DN, GG, NT, SN, TP								Y	HWIS	
211	100-F	199-F5-7	A4601		GG, SG, TP										
212	100-F	199-F6-1	A4602	G	GG, SG								Y	HWIS	
213	100-F	199-F6-46			SG										
214	100-F	199-F7-1	A4603	D	TP								Y	HWIS	
215	100-F	199-F7-2	A4604	G									Y	HWIS	
216	100-F	199-F7-3	A4605	G	SG								Y	HWIS	
217	100-F	199-F8-1	A4606	D	GG, TP								Y	HWIS	
218	100-F	199-F8-2	A4607	D									Y	HWIS	
219	100-F	199-F8-3	A4608	G	SG	Y							Y	See R. Khaleel or G. Freeman for sieve data	
220	100-F	199-F8-4	A4609	G	GG, SG								Y	HWIS	
221	100-F	199-F8-5	A5683	D, G	SG									HWIS	
222	100-F	199-F8-6	A5684	D, G	SG									HWIS	
223	100-F	108-F soil samples							VOC, SVOC, An, Metals, Lab Rad					DOE 1993b	
224	100-F	116-F-1A test pit							VOC, SVOC, An, Metals, Lab Rad					DOE 1993b	
225	100-F	116-F-1A shallow borehole							VOC, SVOC, An, Metals, Lab Rad					DOE 1993b	
226	100-F	116-F-1C test pit							VOC, SVOC, An, Metals, Lab Rad					DOE 1993b	
227	100-F	116-F-2 shallow borehole							VOC, SVOC, An, Metals, Lab Rad					DOE 1993b	
228	100-F	116-F-3 test pit							VOC, SVOC, An, Metals, Lab Rad					DOE 1993b	
229	100-F	116-F-4 shallow borehole							VOC, SVOC, An, Metals, Lab Rad					DOE 1993b	
230	100-F	116-F-6 shallow borehole							VOC, SVOC, An, Metals, Lab Rad					DOE 1993b	
231	100-F	116-F9 shallow borehole							VOC, SVOC, An, Metals, Lab Rad					DOE 1993b	
232	100-F	116-F9D test pit							VOC, SVOC, An, Metals, Lab Rad					DOE 1993b	
233	100-F	116-F14 shallow borehole							VOC, SVOC, An, Metals, Lab Rad					DOE 1993b	
234	100-H	199-H3-1	A4610	D	GG, NT, SG, TP								Y	DOE 1993b	Decommissioned
235	100-H	199-H3-2A	A4611	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988	
236	100-H	199-H3-2B	A4612	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988	
237	100-H	199-H3-2C	A4613	D, G	CP, DN, GG, NT			Y		Bden			Y	Liikala et al. 1988	
238	100-H	199-H3-3	B2778	G		Y								Liikala et al. 1988	
239	100-H	199-H3-4	B2779	G		Y								Myers et al. 1996	

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240	100-H	199-H3-5	B2780	G		Y								Myers et al. 1996	
241	100-H	199-H4-1	A5685	D	GG, TP								Y	HWIS	Abandoned
242	100-H	199-H4-10	A4614	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988	
243	100-H	199-H4-11	A4615	D, G	DN, GG, NT, SG			Y					Y	Liikala et al. 1988; DOE 1993b	
244	100-H	199-H4-12A	A4616	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988	
245	100-H	199-H4-12B	A4617	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988	
246	100-H	199-H4-12C	A4618	D, G	CP, DN, GG, NT			Y		Bden			Y	Liikala et al. 1988	
247	100-H	199-H4-13	A4619	D, G	DN, GG, NT, SG			Y					Y	Liikala et al. 1988; DOE 1993b	
248	100-H	199-H4-14	A4620	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988	
249	100-H	199-H4-15A	A4621	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988	
250	100-H	199-H4-15B	A4622	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988	
251	100-H	199-H4-15C	A5689	D, G	CP, DN, GG, NT, TP			Y	XRF (basalt)	Bden			Y	Liikala et al. 1988	Top of basalt@314'
252	100-H	199-H4-16	A4626	D, G	DN, GG, NT, SG			Y					Y	Liikala et al. 1988; DOE 1993b	
253	100-H	199-H4-17	A4627	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988; DOE 1993b	
254	100-H	199-H4-18	A4628	D, G	DN, GG, NT, SG			Y					Y	Liikala et al. 1988	
255	100-H	199-H4-2	A5686	D	CP, DN, GG, MG, NT, SG, SN, TP	Virtual Library	Virtual Library		XRF (basalt)				Y	Liikala et al. 1988	Top of basalt @381 ft
256	100-H	199-H4-3	A4629	D	GG, NT, SG								Y	DOE 1993b	
257	100-H	199-H4-4	A4630	D	GG, NT									HWIS	
258	100-H	199-H4-45	A4631	G	GG, SG	Y		Y					Y	Peterson et al. 1996; DOE 1993b; Khaleel 1999	
259	100-H	199-H4-46	A4632	D, G	SG	Y							Y	Peterson et al. 1996; DOE 1993b; Khaleel 1999	
260	100-H	199-H4-47	A4633	D, G	GG, SG								Y	Peterson et al. 1996; DOE 1993b	
261	100-H	199-H4-48	A4634	D, G	GG, SG								Y	Peterson et al. 1996; DOE 1993b	
262	100-H	199-H4-49	A4635	D, G	GG, SG								Y	Peterson et al. 1996; DOE 1993b	

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263	100-H	199-H4-5	A4636	D	GG, NT									HWIS	
264	100-H	199-H4-57	A5723	G										HWIS	
265	100-H	199-H4-58	A5724	G	SG								Y	HWIS	Vadose-zone hole
266	100-H	199-H4-59	A5725	D, G, Well summary	SG								Y	HWIS	Vadose-zone hole
267	100-H	199-H4-6	A4637	D	GG, NT									HWIS	
268	100-H	199-H4-60	A5726	G	SG								Y	HWIS	Vadose-zone hole
269	100-H	199-H4-61	A5727	G	GG, SG								Y	HWIS	Vadose-zone hole
270	100-H	199-H4-62	A5728	D, G, As-built	GG								Y	HWIS	Vadose-zone hole
271	100-H	199-H4-63	B2776	G		Y								Myers et al. 1996	
272	100-H	199-H4-64	B2777	G		Y								Myers et al. 1996	
273	100-H	199-H4-65	B8759	G		Y								HWIS	
274	100-H	199-H4-7	A4638	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988	
275	100-H	199-H4-8	A4639	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988	
276	100-H	199-H4-9	A4640	D, G	DN, GG, NT			Y					Y	Liikala et al. 1988	
277	100-H	199-H5-10	A9982	As-built		Y								Fruchter et al. 1996; HWIS	
278	100-H	199-H5-11	B2426	G		Y		Y		Pden, Bden, Por				Vermeul et al. 1995; Fruchter et al. 1996	Microbiology
279	100-H	199-H5-12	B2427	As-built		Y								Fruchter et al. 1996; HWIS	
280	100-H	199-H5-13	B2433	As-built		Y								Fruchter et al. 1996; HWIS	
281	100-H	199-H5-14	B2434	As-built		Y								Fruchter et al. 1996; HWIS	
282	100-H	199-H5-15	B2629	As-built		Y								Fruchter et al. 1996; HWIS	
283	100-H	199-H5-1A	A4641	G				Y	TFe/Fe2				Y	Peterson et al. 1996; DOE 1993b	
284	100-H	199-H5-1B	A9809	Well Summary	GG			Y						Peterson et al. 1996; DOE 1993b; HWIS	

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285	100-H	199-H5-2	A9892	G		Y		Y		Pden, Bden, Por				Vermeul et al. 1995; Fruchter et al. 1996	ISRM injection well; Microbiology
286	100-H	199-H5-3		G		Y		Y		Pden, Bden, Por, Hydrom				Vermeul et al. 1995; Fruchter et al. 1996	Piezometer well; Microbiology
287	100-H	199-H5-4		G		Y		Y		Pden				Vermeul et al. 1995; Fruchter et al. 1996	Piezometer well; Microbiology
288	100-H	199-H5-5		As-built		Y		Y		Pden, Bden, Por				Vermeul et al. 1995; Fruchter et al. 1996; HWIS	Piezometer well; Microbiology
289	100-H	199-H5-6	A9979	As-built		Y								Fruchter et al. 1996; HWIS	
290	100-H	199-H5-7	A9980	As-built		Y								Fruchter et al. 1996; HWIS	
291	100-H	199-H5-8	B2425	G		Y		Y		Pden, Bden, Por				Vermeul et al. 1995; Fruchter et al. 1996	Microbiology
292	100-H	199-H5-9	A9981	As-built		Y								Fruchter et al. 1996; HWIS	
293	100-H	199-H6-1	A4642	G	GG, SG	Y							Y	Peterson et al. 1996; DOE 1993b	
294	100-H	C3048	C3048	G				Y						Kious 2001	
295	100-H	Redox-core1													
296	100-H	Redox-core2													
297	100-H	Redox-core3													
298	100-H	Redox-core4													
299	100-H	Redox-core5													
300	100-H	Redox-core6													
301	100-H	Redox-core7												Fruchter et al. 1996	Abandoned corehole
302	100-H	Redox-core8													
303	100-H	199-HR-46			GG										
304	100-H	199-H5-1			GG, SG										
305	100-K	199-K-1	A5729	D											
306	100-K	199-K-10	A5738	D, As-built										HWIS	
307	100-K	199-K-106A	A9842	D, G, Well summary	SG	Y	Y	Y	Field Rad, Field VOA	Pden, Bden, Por	XRD			HWIS	Aquifer Slug Test
308	100-K	199-K-107A	A9843	D, G, Well summary	GG, SG	Y	Y	Y	Field Rad, Field VOA	Pden, Bden, Por	XRD			HWIS	Aquifer Slug Test
309	100-K	199-K-108A	A9844	Well summary	SG									HWIS	
310	100-K	199-K-109A	A9828	D, G, Well summary	GG, SG	Y	Y	Y	Field Rad, Field VOA	Pden, Bden, Por	XRD			HWIS	Aquifer Slug Test
311	100-K	199-K-11	A4643	D, As-built	GG, OT, TP									HWIS	

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312	100-K	199-K-110A	A9829	D, G, Well summary	GG, SG	Y	Y	Y	Field Rad, Field VOA	Pden, Bden, Por	XRD			HWIS	Aquifer Slug Test
313	100-K	199-K-111A	A9830	D, G, Well summary	GG, SG	Y	Y	Y	Field Rad, Field VOA	Pden, Bden, Por	XRD			HWIS	
314	100-K	199-K-112A	B2799	G, Well summary		Y								HWIS	CH2 Library
315	100-K	199-K-113A	B2800	G, Well summary		Y								HWIS	
316	100-K	199-K-114A	B2801	G, Well summary		Y								HWIS	
317	100-K	199-K-115A	B2802	G, Well summary		Y								HWIS	
318	100-K	199-K-116A	B2803	G, Well summary		Y								HWIS	
319	100-K	199-K-117A	B2804	G, Well summary		Y								HWIS	
320	100-K	199-K-118A	B2805	G, Well summary		Y								HWIS	
321	100-K	199-K-119A	B2806	G, Well summary		Y								HWIS	
322	100-K	199-K-12	A5739	D, As-built	OT, TP									HWIS	
323	100-K	199-K-120A	B2807	G, Well summary		Y								HWIS	
324	100-K	199-K-121A	B2808	G, Well summary		Y								HWIS	
325	100-K	199-K-122A	B2809	G, Well summary		Y								HWIS	
326	100-K	199-K-123A	B2810	G, Well summary		Y								HWIS	
327	100-K	199-K-124A	B2811	G, Well summary		Y								HWIS	
328	100-K	199-K-125A	B8559	Well summary										HWIS	
329	100-K	199-K-126A		Well summary										HWIS	
330	100-K	199-K-127	C3662	G		Y								Sump 2002b	
331	100-K	199-K-128	C3663	G		Y								Sump 2002b	
332	100-K	199-K-129	C4117	G										HWIS	Extraction well
333	100-K	199-K-13	A4644	D, As-built	OT, TP									HWIS	
334	100-K	199-K-130	C4120	G										HWIS	Extraction well
335	100-K	199-K-14	A5740	D, As-built										HWIS	aka 105-KW-1
336	100-K	199-K-15	A4645	D, As-built										HWIS	
337	100-K	199-K-16	A4646	D, As-built										HWIS	
338	100-K	199-K-17	A5741	D, As-built										HWIS	
339	100-K	199-K-18	A4647	D, As-built	DN, GG, NT, OT, TP									HWIS	
340	100-K	199-K-19	A4648	D, As-built	GG, OT, TP									HWIS	
341	100-K	199-K-2	A5730	D											
342	100-K	199-K-20	A4649	D, As-built	OT, TP									HWIS	
343	100-K	199-K-21	A4650	D, As-built	OT, TP									HWIS	
344	100-K	199-K-22	A4651	D, As-built	OT, TP									HWIS	
345	100-K	199-K-23	A4652	D, As-built	OT, TP									HWIS	
346	100-K	199-K-24	A5742	D, As-built	OT, TP									HWIS	
347	100-K	199-K-25	A5743	D, As-built	GG, MO, OT, TP									HWIS	
348	100-K	199-K-26	A5744	D											
349	100-K	199-K-27	A4653	D, As-built	DN, GG, NT, OT, TP									HWIS	
350	100-K	199-K-28	A4654	D, As-built	DN, GG, NT, OT, TP									HWIS	
351	100-K	199-K-29	A5480	D, As-built	DN, GG, NT, OT, TP									HWIS	
352	100-K	199-K-3	A5731	D											
353	100-K	199-K-30	A4655	D, As-built	DN, GG, NT, OT, TP									HWIS	
354	100-K	199-K-31	A4656	D, As-built										HWIS	
355	100-K	199-K-32A	A4657	Well summary	GG, SG									HWIS	Aquifer test (slug test)
356	100-K	199-K-32B	A4658	Well summary	GG, SG									HWIS	
357	100-K	199-K-33	A4659	Well summary	GG, SG	Y								see R. Khaleel or G. Freeman for sieve data	Aquifer test (slug test)

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358	100-K	199-K-34	A4660	D, G, Well summary	GG, SG										Aquifer test (slug test)
359	100-K	199-K-35	A4661	D, G, Well summary	GG, SG	Y								see R. Khaleel or G. Freeman for sieve data	Aquifer test (slug test)
360	100-K	199-K-36	A4662	D, G, Well summary	GG, SG										Aquifer test (slug test)
361	100-K	199-K-37	A4663	D, G, Well summary	GG, SG	Y								see R. Khaleel or G. Freeman for sieve data	Aquifer test (slug test)
362	100-K	199-K-38	A5745	D, G, Well summary	SG										
363	100-K	199-K-39	A5746	D, G, Well summary	SG										
364	100-K	199-K-4	A5732	D											
365	100-K	199-K-40	A5747	D, G, Well summary	GG										
366	100-K	199-K-41	A5748	D, G, Well summary	SG										
367	100-K	199-K-5	A5733	D											
368	100-K	199-K-6	A5734	D											
369	100-K	199-K-7	A5735	D											
370	100-K	199-K-8	A5736	D											
371	100-K	199-K-9	A5737	D											
372	100-N	199-N-1	A5813	D	TP								Y	HWIS	
373	100-N	199-N-10	A5823	D, G, Well summary	GG, NT, TP									HWIS	
374	100-N	199-N-103A	A9988	G	SG	Y								HWIS	
375	100-N	199-N-104		G		Y									
376	100-N	199-N-104A	A9989	D, G, As-built	SG									HWIS	
377	100-N	199-N-105		G		Y									
378	100-N	199-N-105A	B2408	D, G, As-built	SG									HWIS	
379	100-N	199-N-106A	B2538	G, As-built	SG									HWIS	
380	100-N	199-N-119	C4471	G, As-built	SG									HWIS	
381	100-N	199-N-12	A5824	D	TP								Y	HWIS	
382	100-N	199-N-120	C4472	G, As-built	SG									HWIS	
383	100-N	199-N-121	C4473	G, As-built	SG									HWIS	
384	100-N	199-N-13	A5825		GG, NT, TP										
385	100-N	199-N-14	A4664	D	SG, TP								Y	HWIS	
386	100-N	199-N-15	A5826	D	TP								Y	HWIS	
387	100-N	199-N-16	A4665	D	GG, SG								Y	HWIS	Drilled per spec H-517-C1
388	100-N	199-N-17	A4666	D	GG, SG								Y	HWIS	Drilled per spec H-517-C1
389	100-N	199-N-18	A4667	D	GG, SG								Y	HWIS	Drilled per spec H-517-C1
390	100-N	199-N-19	A4668	D	GG, SG								Y	HWIS	Drilled per spec H-517-C1

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
391	100-N	199-N-2	A4669	D	TP								Y	HWIS	
392	100-N	199-N-20	A4670	D	GG, SG								Y	HWIS	Drilled per spec H-517-C1
393	100-N	199-N-21	A4671	D, As-built	GG, SG									HWIS	
394	100-N	199-N-21A		D									Y		Drilled per spec H-517-C1
395	100-N	199-N-22	A5827	D	GG, SG								Y	HWIS	Drilled per spec H-517-C1
396	100-N	199-N-23	A4672	D									Y	HWIS	Drilled per spec H-517-C1
397	100-N	199-N-24	A4673	D									Y	HWIS	Drilled per spec H-517-C1
398	100-N	199-N-25	A4674	D	GG, SG								Y	HWIS	Drilled per spec H-517-C1
399	100-N	199-N-26	A4675	D	GG, SG								Y	HWIS	Drilled per spec H-517-C1
400	100-N	199-N-27	A4676	D	DN, GG, NT, SG, TP								Y	Prater 1984	
401	100-N	199-N-28	A4677	D	DN, GG, NT, SG, TP								Y	Prater 1984	
402	100-N	199-N-29	A4678	D	DN, GG, NT, SG, TP								Y	Prater 1984	
403	100-N	199-N-3	A4679	D	TP								Y	HWIS	
404	100-N	199-N-30	A5828	D	DN, GG, NT, TP								Y	Prater 1984	
405	100-N	199-N-31	A4680	D	DN, GG, NT, TP								Y	Prater 1984	
406	100-N	199-N-32	A4681	D	DN, GG, NT, TP								Y	Prater 1984	
407	100-N	199-N-33	A4682	D	DN, GG, NT, TP								Y	Prater 1984	
408	100-N	199-N-34	A4683	D	DN, GG, NT, TP								Y	Prater 1984	
409	100-N	199-N-35	A5829	D	DN, GG, NT, SG								Y	HWIS	
410	100-N	199-N-36	A4684	D, G	DN, GG, NT								Y	HWIS	
411	100-N	199-N-37	A4685	D, G	DN, GG, NT								Y	HWIS	
412	100-N	199-N-38	A5830	D, G	DN, GG, NT								Y	HWIS	
413	100-N	199-N-39	A4686	D, G	DN, GG, NT, SG								Y	HWIS	
414	100-N	199-N-4	A4687	D	TP								Y	HWIS	
415	100-N	199-N-40	A4688	D, G	DN, GG, NT								Y	HWIS	
416	100-N	199-N-41	A4689	D, G	DN, GG, NT								Y	Hartman and Lindsey 1993	
417	100-N	199-N-42	A4690	D, G	DN, GG, NT								Y		
418	100-N	199-N-43	A5831	D, G	DN, GG, NT								Y	Hartman and Lindsey 1993	
419	100-N	199-N-44	A4691	D, G	DN, GG, NT, SG								Y	HWIS	
420	100-N	199-N-45	A5832	D, G	DN, GG, NT, SG								Y	HWIS	
421	100-N	199-N-47	A5834	D									Y	HWIS	
422	100-N	199-N-48	A5835	D									Y	HWIS	
423	100-N	199-N-49	A4692	D	GG, SG								Y	HWIS	
424	100-N	199-N-5	A5814	D	DN, GG, NT, TP								Y	HWIS	
425	100-N	199-N-50	A4693	D	GG, SG								Y	HWIS	
426	100-N	199-N-51	A4694	D	GG, SG								Y	HWIS	
427	100-N	199-N-52	A4695	D	GG, SG								Y	HWIS	
428	100-N	199-N-53	A4696	D	GG, SG								Y	HWIS	

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429	100-N	199-N-54	A4697	D, G	DN, GG, NT								Y	HWIS	Step drawdown test
430	100-N	199-N-55	A4698	D, G	DN, GG, NT								Y	HWIS	Step drawdown test
431	100-N	199-N-56	A4699	D, G	DN, GG, NT, SG								Y	HWIS	Step drawdown test
432	100-N	199-N-57	A4700	D, G	DN, GG, NT								Y	HWIS	Step drawdown test
433	100-N	199-N-58	A4701	D, G									Y	HWIS	Step drawdown test
434	100-N	199-N-59	A4702	D, G									Y	HWIS	Development/Recovery test
435	100-N	199-N-6	A4703	D	TP								Y	HWIS	
436	100-N	199-N-60	A4704	D, G	DN, GG, NT								Y	HWIS	Constant Discharge test
437	100-N	199-N-61	A4705	D, G									Y	HWIS	Development/Recovery test
438	100-N	199-N-62	A4706	D, G	DN, GG, NT								Y	HWIS	
439	100-N	199-N-63	A4707	D, G	DN, GG, NT								Y	HWIS	
440	100-N	199-N-64	A4708	D, G	DN, GG, NT								Y	HWIS	
441	100-N	199-N-65	A4709	D, G	DN, GG, NT								Y	HWIS	
442	100-N	199-N-66	A4710	D, G	DN, GG, NT								Y	HWIS	
443	100-N	199-N-67	A4711	D, G	DN, GG, NT, SG								Y	HWIS	
444	100-N	199-N-69	A4712	D, G	DN, GG, NT								Y	Gilmore et al. 1989	Aquifer Pumping Tests (Gilmore et al. 1989)
445	100-N	199-N-7	A5815	D	DN, GG, NT, TP								Y	HWIS	Infiltration Test
446	100-N	199-N-70	A4713	G	DN, GG, NT, SG								Y	Gilmore et al. 1989	Aquifer Pumping Tests (Gilmore et al. 1989)
447	100-N	199-N-71	A4714	D, G	GG, MG, SG								Y	HWIS	Drilled per spec WHC-S-014; Westinghouse “EII” Procedures Aquifer Pumping Test

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
448	100-N	199-N-72	A4715	D, G	GG, SG								Y	HWIS	Drilled per spec WHC-S-014; Westinghouse "EII" Procedures Aquifer Pumping Test
449	100-N	199-N-73	A4716	D, G	GG, SG								Y	HWIS	Drilled per spec WHC-S-014; Westinghouse "EII" Procedures Aquifer Pumping Test
450	100-N	199-N-74	A4717	D, G	GG, SG								Y	HWIS	Drilled per spec WHC-S-014; Westinghouse "EII" Procedures Aquifer Pumping Test
451	100-N	199-N-75	A4718	D, G	GG, SG								Y	HWIS	Drilled per spec WHC-S-014; Westinghouse "EII" Procedures Aquifer Pumping Test
452	100-N	199-N-76	A4719	D, G	GG, SG								Y	HWIS	
453	100-N	199-N-77	A5442	D, G	GG, SG								Y	HWIS	
454	100-N	199-N-80	A4720	D, G	GG, SG	Y							Y	see R. Khaleel or G. Freeman for sieve data	
455	100-N	199-N-81	A5443	D, G		Y							Y	HWIS	
456	100-N	199-N-83	A5838	D, G		Y							Y	HWIS	
457	100-N	199-N-84	A5839		SG										
458	100-N	199-N-86	A5841		SG										
459	100-N	199-N-87	A5842		SG										
460	100-N	199-N-88	A5843		SG										
461	100-N	199-N-89	A5844		SG										
462	100-N	199-N-8P	A5816	D	TP								Y	HWIS	
463	100-N	199-N-8Q	A5817	D	TP								Y	HWIS	
464	100-N	199-N-8R	A5818	D									Y	HWIS	
465	100-N	199-N-8S	A4721	D									Y	HWIS	
466	100-N	199-N-8T	A5819	D									Y	HWIS	
467	100-N	199-N-8U	A5820	D									Y	HWIS	
468	100-N	199-N-8V	A5821	D									Y	HWIS	
469	100-N	199-N-9	A5822	D	GG, NT								Y	HWIS	
470	100-N	199-N-90	A5845		SG										
471	100-N	199-N-91A	A9877	G		Y			H-3, Sr-90, GEA					Johnson et al. 1995	N-Springs Barrier

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
472	100-N	199-N-92A	A9878	G		Y			H-3, Sr-90, GEA					Johnson et al. 1995	N-Springs Barrier
473	100-N	199-N-93A	A9879	G		Y			H-3, Sr-90, GEA					Johnson et al. 1995	N-Springs Barrier
474	100-N	199-N-94A	A9880	G		Y			H-3, Sr-90, GEA					Johnson et al. 1995	N-Springs Barrier
475	100-N	199-N-95A	A9881	G		Y			H-3, Sr-90, GEA					Johnson et al. 1995	N-Springs Barrier
476	100-N	199-N-96A	A9882	G		Y			H-3, Sr-90, GEA					Johnson et al. 1995	N-Springs Barrier
477	100-N	199-N-97A	A9883	G		Y			H-3, Sr-90, GEA					Johnson et al. 1995	N-Springs Barrier
478	100-N	199-N-99A	A9910	G										Johnson et al. 1995	N-Springs Barrier
479	100-N	100N Backwash Lake				Y			pH	Cond				Opitz 1982	
480	200-E	299-E13-1	A5849	D	DN, GG, MO, NT, SG, TP	Virtual Library	Virtual Library		pH	%GSSC, 15-ATM, CEC			Y	McHenry 1957	
481	200-E	299-E13-10	A4724	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library			Por			Y	Bierschenk 1959	
482	200-E	299-E13-11	A5858	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
483	200-E	299-E13-12	A4725	D	DN, GG, MO, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
484	200-E	299-E13-13	A5859	D	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
485	200-E	299-E13-14	A4726	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library		Lab Rad				Y	Haney 1967	
486	200-E	299-E13-15	A5860	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
487	200-E	299-E13-16	A5861	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
488	200-E	299-E13-17	A5862	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
489	200-E	299-E13-18	A5863	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
490	200-E	299-E13-19	A5864	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
491	200-E	299-E13-2	A5850	D	DN, GG, MO, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
492	200-E	299-E13-20	A5865	D	GG, TP				Field Rad					HWIS	
493	200-E	299-E13-21	A5866	D	DN, GG, MO, NT, SG				Field Rad					HWIS	
494	200-E	299-E13-3	A5851	D	DN, GG, MO, NT, SG, TP	Virtual Library	Virtual Library		Lab Rad				Y	Haney 1967	
495	200-E	299-E13-4	A5852	D	DN, GG, MO, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
496	200-E	299-E13-5	A5853	D	DN, GG, MO, NT, SG	Virtual Library	Virtual Library		pH	%GSSC, 15-ATM, CEC			Y	McHenry 1957	
497	200-E	299-E13-51	A5867	D	GG, NT				Field Rad					HWIS	
498	200-E	299-E13-52	A5868	D	GG, MO, NT, SG				Field Rad					HWIS	
499	200-E	299-E13-54	A5869	D	GG, MO, SG				Field Rad				Y	HWIS	
500	200-E	299-E13-55	A5870	D	GG, MO, SG								Y	HWIS	
501	200-E	299-E13-56	A5871	D	GG, MO, SG				Field Rad				Y	HWIS	
502	200-E	299-E13-57	A5872	D	GG, MO, SG				Field Rad				Y	HWIS	
503	200-E	299-E13-58	A5873	D	GG, MO, SG				Field Rad				Y	HWIS	

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504	200-E	299-E13-59	A5874	D	GG, MO, SG				Field Rad				Y	HWIS	
505	200-E	299-E13-6	A5854	D	DN, GG, MO, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
506	200-E	299-E13-60	A5875	D	GG, MO, SG				Field Rad				Y	HWIS	
507	200-E	299-E13-61	A5876	D	GG, MO, SG				Field Rad				Y	HWIS	
508	200-E	299-E13-7	A5855	D	DN, GG, NT, SG	Virtual Library	Virtual Library		Lab Rad				Y	Haney 1967	
509	200-E	299-E13-8	A5856	D	DN, GG, NT, SG	Virtual Library	Virtual Library		Sorption	CEC			Y	Routson et at. 1981	
510	200-E	299-E13-9	A5857	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
511	200-E	299-E15-86			CP										
512	200-E	299-E16-1	A4727	As-built	CP, DN, GG, MG, NT, OT, SN, TP									HWIS	
513	200-E	299-E16-2	A5878		DN, GG, NT, TP										
514	200-E	299-E17-1	A4728	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
515	200-E	299-E17-10	A4729	D	DN, GG, NT, TP									HWIS	
516	200-E	299-E17-11	A5883	D	GG, NT, SG				Field Rad				Y	HWIS	
517	200-E	299-E17-12	A4730	D, G	GG								Y	HWIS	
518	200-E	299-E17-13	A4731	D, G	GG								Y	HWIS	
519	200-E	299-E17-14	A4732	G	DN, GG, NT			Y					Y		
520	200-E	299-E17-15	A4733	G	DN, GG, NT			Y					Y		
521	200-E	299-E17-16	A4734	G	DN, GG, NT			Y					Y	HWIS	
522	200-E	299-E17-17	A4735	G	DN, GG, NT			Y	Lab Rad				Y	Lindberg files	
523	200-E	299-E17-18	A4736	G	DN, GG, NT			Y					Y	Lindberg files	
524	200-E	299-E17-19	A4737	G	DN, GG, NT			Y	Lab Rad, VOA, NO3				Y	Lindberg files	
525	200-E	299-E17-2	A5879	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
526	200-E	299-E17-20	A4738	G	DN, GG, NT	Y		Y	Lab Rad, VOA, NO3				Y	Lindberg files; Valenta et al. 2000	
527	200-E	299-E17-21	B8500	G		Y						Paleomag	Y	Valenta et al. 2000 (Sieve data); Reidel and Horton 1999; Bjornstad et al. 2001	
528	200-E	299-E17-22	C3826	G	SG								Y	Walker 2002	
529	200-E	299-E17-23	C3827	G	SG								Y	Walker 2002	
530	200-E	299-E17-24	C3828	G									Y	Walker 2002	
531	200-E	299-E17-25	C3926	G	SG								Y	Walker 2002	
532	200-E	299-E17-3	A5880	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
533	200-E	299-E17-4	A5881	D	DN, GG, NT, SG	Virtual Library	Virtual Library			CEC			Y	Routson et al. 1981; Delegard and Barney, 1983	
534	200-E	299-E17-5	A4739	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
535	200-E	299-E17-50	A5885	D					Field Rad				Y	HWIS	
536	200-E	299-E17-51	A5886	D	GG, NT, SG				Field Rad				Y	HWIS	
537	200-E	299-E17-53	A5887	D, G									Y	HWIS	

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538	200-E	299-E17-54	A5888	D, G									Y	HWIS	
539	200-E	299-E17-6	A4740	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
540	200-E	299-E17-7	A5882	D	DN, GG, NT, TP									HWIS	
541	200-E	299-E17-8	A4741	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
542	200-E	299-E17-9	A4742	D	DN, GG, MO, NT, SG	Virtual Library	Virtual Library		Field Rad				Y	HWIS	
543	200-E	299-E18-1	A4743	D, G	DN, GG, NT	Virtual Library	Virtual Library		XRF,Metals, VOA				Y	Chamness et al. 1990	
544	200-E	299-E18-2	A4744	D, G	DN, GG, NT	Virtual Library	Virtual Library		Metals				Y	Chamness et a1. 1990	
545	200-E	299-E18-3	A4745	D, G	DN, GG, NT	Virtual Library	Virtual Library		XRF				Y	Chamness et a1. 1990	
546	200-E	299-E18-4	A4746	D, G	DN, GG, NT	Virtual Library	Virtual Library		Metals, VOA				Y	Chamness et a1. 1990	
547	200-E	299-E19-1	A5889	D	CP, DN, GG, NT, TP							Paleomag	Y	Parker and Johnston 1979	
548	200-E	299-E23-1	A4747	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
549	200-E	299-E23-2	A4748	D	GG, TP								Y	HWIS	
550	200-E	299-E24-1	A5896	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y		
551	200-E	299-E24-10	A5902	D	GG, NT				Field Rad				Y	HWIS	
552	200-E	299-E24-100	A5955	D	DN, GG, NT, SG									HWIS	
553	200-E	299-E24-101	A5956	D	DN, GG, NT									HWIS	
554	200-E	299-E24-102	A5957	D	DN, GG, NT									HWIS	
555	200-E	299-E24-103	A5958	D	DN, GG, NT									HWIS	
556	200-E	299-E24-104	A5959	D	DN, GG, NT									HWIS	
557	200-E	299-E24-105	A5960	D	DN, GG, NT									HWIS	
558	200-E	299-E24-106	A5961	D	DN, GG, NT									HWIS	
559	200-E	299-E24-107	A5962	D	DN, GG, NT									HWIS	
560	200-E	299-E24-108	A5963	D										HWIS	
561	200-E	299-E24-109	A5964	D										HWIS	
562	200-E	299-E24-11	A5903	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
563	200-E	299-E24-110	A5965	D										HWIS	
564	200-E	299-E24-112	A5967	D										HWIS	
565	200-E	299-E24-113	A5968	D										HWIS	
566	200-E	299-E24-114	A5969	D									Y	HWIS	
567	200-E	299-E24-115	A5970	D									Y	HWIS	
568	200-E	299-E24-116	A5971	D									Y	HWIS	
569	200-E	299-E24-117	A5972	D									Y	HWIS	
570	200-E	299-E24-118	A9854	D		Y							Y	Valenta et al. 2000	
571	200-E	299-E24-12	A5904	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
572	200-E	299-E24-121	A5974	D									Y	HWIS	
573	200-E	299-E24-122	A5975	D									Y	HWIS	
574	200-E	299-E24-123	A5976	D									Y	HWIS	
575	200-E	299-E24-124A	A5977	D										HWIS	
576	200-E	299-E24-124B	A5978	D										HWIS	
577	200-E	299-E24-124C	A5979	D										HWIS	
578	200-E	299-E24-124D	A5980	D										HWIS	
579	200-E	299-E24-124E	A5981	D										HWIS	

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580	200-E	299-E24-124F	A5982	D										HWIS	
581	200-E	299-E24-124G	A5983	D										HWIS	
582	200-E	299-E24-124H	A5984	D										HWIS	
583	200-E	299-E24-124I	A5985	D										HWIS	
584	200-E	299-E24-124J	A5986	D										HWIS	
585	200-E	299-E24-13	A4749	D		Virtual Library	Virtual Library						Y	HWIS	
586	200-E	299-E24-14	A4750	D		Virtual Library	Virtual Library						Y	HWIS	
587	200-E	299-E24-15	A5905	D, G	GG, NT				Field Rad				Y	HWIS	
588	200-E	299-E24-155	A6016	D									Y	HWIS	
589	200-E	299-E24-156	A6017	D		Virtual Library	Virtual Library						Y	HWIS	
590	200-E	299-E24-157	A6018	D		Virtual Library	Virtual Library						Y	HWIS	
591	200-E	299-E24-158	A6019	D		Virtual Library	Virtual Library						Y		
592	200-E	299-E24-159	A6020	D		Virtual Library	Virtual Library						Y	HWIS	
593	200-E	299-E24-16	A4751	G	DN, GG, NT			Y	Lab Rad, VOA, TOC				Y	Lindberg files	
594	200-E	299-E24-160	A6021	D, G	GG, SG								Y	HWIS	
595	200-E	299-E24-17	A4752	G	DN, GG, NT			Y	Lab Rad, VOA, NO3				Y	Lindberg files	
596	200-E	299-E24-18	A4753	G	DN, GG, NT			Y					Y		
597	200-E	299-E24-19	A4754	G	GG	Virtual Library		Y	Y				Y	Pearson 1990; Valenta et al. 2000 (sieve data)	
598	200-E	299-E24-1A							Lab Rad					Haney 1967	
599	200-E	299-E24-2	A4755	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
600	200-E	299-E24-20	A4756	G	GG, SG								Y	HWIS	
601	200-E	299-E24-21	C3177	G	SG	Y	Y	Y	TC, TOC, XRF, Iron Extractions, 1 :1	CEC	XRF	Paleomag	Y	Walker 2001; Horton et al. 2003a; Pluhar 2002	
602	200-E	299-E24-22	C4123	G	SG	Y							Y	Martinez 2003; Williams and Narbutovskih 2003	
603	200-E	299-E24-3	A5897	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
604	200-E	299-E24-33	C4257	G, Well summary	NT, SG									HWIS	
605	200-E	299-E24-4	A5898	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
606	200-E	299-E24-5	A5899	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
607	200-E	299-E24-51	A5908	D										HWIS	
608	200-E	299-E24-52	A5909	D										HWIS	
609	200-E	299-E24-53	A5910	D	DN, GG, MO, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
610	200-E	299-E24-54	A5911	D	GG, MO, NT, SG	Virtual Library	Virtual Library						Y	HWIS	

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611	200-E	299-E24-55	A5912	D									Y	HWIS	
612	200-E	299-E24-56	A5913	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
613	200-E	299-E24-57	A5914	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
614	200-E	299-E24-58	A5915	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
615	200-E	299-E24-59	A5916	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
616	200-E	299-E24-6	A5900	D	GG, NT								Y		
617	200-E	299-E24-60	A5917	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
618	200-E	299-E24-63	A5918	D	DN, GG, NT									HWIS	
619	200-E	299-E24-64	A5919	D										HWIS	
620	200-E	299-E24-65	A5920		GG										
621	200-E	299-E24-66	A5921	D									Y	HWIS	
622	200-E	299-E24-67	A5922	D									Y		
623	200-E	299-E24-68	A5923	D									Y	HWIS	
624	200-E	299-E24-69	A5924	D										HWIS	
625	200-E	299-E24-7	A4757	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
626	200-E	299-E24-70	A5925	D									Y	HWIS	
627	200-E	299-E24-71	A5926	D									Y	HWIS	
628	200-E	299-E24-72	A5927	D									Y	HWIS	
629	200-E	299-E24-73	A5928	D										HWIS	
630	200-E	299-E24-75	A5930	D									Y	HWIS	
631	200-E	299-E24-76	A5931	D	DN, GG, NT									HWIS	
632	200-E	299-E24-77	A5932	D	DN, GG, NT									HWIS	
633	200-E	299-E24-78	A5933	D	DN, GG, MO, NT								Y	HWIS	
634	200-E	299-E24-79	A5934	D	DN, GG, NT, OT	Virtual Library	Virtual Library						Y	HWIS	
635	200-E	299-E24-8	A4758	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
636	200-E	299-E24-80	A5935	D	DN, GG, NT									HWIS	
637	200-E	299-E24-81	A5936	D	DN, GG, NT									HWIS	
638	200-E	299-E24-82	A5937	D	DN, GG, NT									HWIS	
639	200-E	299-E24-83	A5938	D	DN, GG, NT									HWIS	
640	200-E	299-E24-84	A5939	D	DN, GG, NT, SG									HWIS	
641	200-E	299-E24-85	A5940	D	DN, GG, NT									HWIS	
642	200-E	299-E24-86	A5941	D	DN, GG, NT									HWIS	
643	200-E	299-E24-87	A5942	D	DN, GG, NT									HWIS	
644	200-E	299-E24-88	A5943	D	DN, GG, NT									HWIS	
645	200-E	299-E24-89	A5944	D	DN, GG, NT									HWIS	
646	200-E	299-E24-9	A5901	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
647	200-E	299-E24-90	A5945	D	DN, GG, NT									HWIS	
648	200-E	299-E24-91	A5946	D	DN, GG, NT									HWIS	
649	200-E	299-E24-92	A5947	D	DN, GG, NT, OT	Virtual Library	Virtual Library						Y	HWIS	
650	200-E	299-E24-93	A5948	D	DN, GG, NT								Y	HWIS	
651	200-E	299-E24-94	A5949	D	DN, GG, NT								Y	HWIS	
652	200-E	299-E24-95	A5950	D	DN, GG, NT, OT	Virtual Library	Virtual Library						Y	HWIS	
653	200-E	299-E24-96	A5951	D	DN, GG, NT									HWIS	
654	200-E	299-E24-97	A5952	D	DN, GG, NT									HWIS	
655	200-E	299-E24-98	A5953	D	DN, GG, NT									HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
656	200-E	299-E24-99	A5954	D	DN, GG, NT										
657	200-E	299-E25-1	A4759	D	GG	Virtual Library	Virtual Library		Field Rad	%GSSC			Y	Brown 1963	
658	200-E	299-E25-10	A4760	D	GG, MO, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
659	200-E	299-E25-100	A6535	D		Virtual Library	Virtual Library						Y	HWIS	
660	200-E	299-E25-1000	A6536	G	GG, MO, SG		Y	Y	Field Rad (Alpha, Beta/Gamma)				Y	Swanson 1994	
661	200-E	299-E25-101	A6537	D		Virtual Library	Virtual Library						Y	HWIS	
662	200-E	299-E25-102	A6538	D		Virtual Library	Virtual Library						Y	HWIS	
663	200-E	299-E25-103	A6539	D		Virtual Library	Virtual Library						Y	HWIS	
664	200-E	299-E25-104	A6540	D		Virtual Library	Virtual Library						Y	HWIS	
665	200-E	299-E25-105	A6541	D		Virtual Library	Virtual Library						Y	HWIS	
666	200-E	299-E25-106	A6542	D		Virtual Library	Virtual Library						Y	HWIS	
667	200-E	299-E25-107	A6543	D		Virtual Library	Virtual Library						Y	HWIS	
668	200-E	299-E25-108	A6544	D		Virtual Library	Virtual Library						Y	HWIS	
669	200-E	299-E25-109	A6545	D		Virtual Library	Virtual Library						Y	HWIS	
670	200-E	299-E25-11	A4761	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
671	200-E	299-E25-110	A6546	D		Virtual Library	Virtual Library						Y	HWIS	
672	200-E	299-E25-111	A6547	D		Virtual Library	Virtual Library						Y	HWIS	
673	200-E	299-E25-112	A6548	D		Virtual Library	Virtual Library						Y	HWIS	
674	200-E	299-E25-113	A6549	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
675	200-E	299-E25-114	A6550	D									Y	HWIS	
676	200-E	299-E25-115	A6551	D		Virtual Library	Virtual Library						Y	HWIS	
677	200-E	299-E25-116	A6552	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
678	200-E	299-E25-117	A6553	D		Virtual Library	Virtual Library						Y	HWIS	
679	200-E	299-E25-118	A6554	D		Virtual Library	Virtual Library							HWIS	
680	200-E	299-E25-119	A6555	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
681	200-E	299-E25-12	A6028	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
682	200-E	299-E25-120	A6556	D		Virtual Library	Virtual Library						Y	HWIS	
683	200-E	299-E25-121	A6557	D		Virtual Library	Virtual Library						Y	HWIS	1-ft sample interval

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684	200-E	299-E25-122	A6558	D		Virtual Library	Virtual Library						Y	HWIS	
685	200-E	299-E25-123	A6559	D		Virtual Library	Virtual Library						Y	HWIS	
686	200-E	299-E25-124	A6560	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
687	200-E	299-E25-127	A6561	D									Y	HWIS	
688	200-E	299-E25-128	A6562	D					Field Rad					HWIS	
689	200-E	299-E25-13	A4762	D		Virtual Library	Virtual Library						Y	HWIS	
690	200-E	299-E25-132	A6563	D									Y	HWIS	
691	200-E	299-E25-14	A6029	D	DN, GG, NT				Field Rad	%GSSC				Brown 1963	
692	200-E	299-E25-146	A6564	D		Virtual Library	Virtual Library						Y	HWIS	
693	200-E	299-E25-147	A6565	D									Y		
694	200-E	299-E25-148	A6566	D					Field Rad					HWIS	
695	200-E	299-E25-149	A6567	D					Field Rad					HWIS	
696	200-E	299-E25-15	A4763	D		Virtual Library	Virtual Library				XRD, EM		Y	Ames 1976	
697	200-E	299-E25-152	A6568	D										HWIS	
698	200-E	299-E25-153	A6569	D									Y	HWIS	
699	200-E	299-E25-154	A6570	D									Y	HWIS	
700	200-E	299-E25-155	A6571	D									Y	HWIS	
701	200-E	299-E25-156	A6572	D										HWIS	
702	200-E	299-E25-157	A6573	D									Y	HWIS	
703	200-E	299-E25-158	A6574	D									Y	HWIS	
704	200-E	299-E25-159	A6575	D									Y	HWIS	
705	200-E	299-E25-16	A6030	D										HWIS	
706	200-E	299-E25-160	A6576	D									Y	HWIS	
707	200-E	299-E25-161	A6577	D									Y	HWIS	
708	200-E	299-E25-162	A6578	D									Y	HWIS	
709	200-E	299-E25-163	A6579	D									Y	HWIS	
710	200-E	299-E25-164	A6580	D									Y	HWIS	
711	200-E	299-E25-165	A9793	D									Y	HWIS	
712	200-E	299-E25-166	A6581	D									Y	HWIS	
713	200-E	299-E25-167	A6582	D									Y	HWIS	
714	200-E	299-E25-168	A6583	D									Y	HWIS	
715	200-E	299-E25-169	A6584	D	GG, NT				Field Rad					HWIS	(Same as well 299-E25-98)
716	200-E	299-E25-17	A6031	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
717	200-E	299-E25-170	A6585	D										HWIS	
718	200-E	299-E25-171	A6586	D										HWIS	
719	200-E	299-E25-172	A6587	D					Field Rad					HWIS	
720	200-E	299-E25-173	A6588	D					Field Rad					HWIS	
721	200-E	299-E25-174	A6589	D										HWIS	
722	200-E	299-E25-179	A6590	D										HWIS	
723	200-E	299-E25-18	A4764	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
724	200-E	299-E25-181	A6591	D										HWIS	
725	200-E	299-E25-182	A6592	D										HWIS	
726	200-E	299-E25-183	A6593	D										HWIS	
727	200-E	299-E25-184	A6594	D									Y	HWIS	
728	200-E	299-E25-185	A6595	D											
729	200-E	299-E25-189		D											

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
730	200-E	299-E25-19	A4765	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
731	200-E	299-E25-190	A6596	D	GG, NT				Field Rad				Y	HWIS	
732	200-E	299-E25-191	A6597	D	GG, NT, SG				Field Rad				Y	HWIS	
733	200-E	299-E25-192	A6598	D					Field Rad					HWIS	
734	200-E	299-E25-193	A6599	D	GG, NT				Field Rad				Y	HWIS	
735	200-E	299-E25-194	A6600	D									Y	HWIS	
736	200-E	299-E25-195	A6601	D									Y	HWIS	
737	200-E	299-E25-196	A6602	D									Y	HWIS	
738	200-E	299-E25-197	A6603	D									Y	HWIS	
739	200-E	299-E25-198	A6604	D									Y	HWIS	
740	200-E	299-E25-199	A6605	D									Y	HWIS	
741	200-E	299-E25-2	A4766	D	DN, GG, NT, TP	Virtual Library	Virtual Library		pH	%GSSC, CEC, 15-Atm			Y	Brown 1963; McHenry 1957	
742	200-E	299-E25-20	A4767	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
743	200-E	299-E25-202	A6606	D									Y	HWIS	
744	200-E	299-E25-203	A6607	D									Y	HWIS	
745	200-E	299-E25-204	A6608	D					Field Rad					HWIS	
746	200-E	299-E25-205	A6609	D, G									Y	HWIS	
747	200-E	299-E25-206	A6610	D, G									Y	HWIS	
748	200-E	299-E25-207	A6611	D, G									Y	HWIS	
749	200-E	299-E25-208	A6612	D, G					Lab Rad				Y	Swanson et al. 1988; DOE 1990	
750	200-E	299-E25-209	A6613	D, G									Y	HWIS	
751	200-E	299-E25-21	A4768	D									Y	HWIS	
752	200-E	299-E25-210	A6614	D, G					Lab Rad					Swanson et al. 1988; DOE 1990	
753	200-E	299-E25-211	A6615	D, G									Y	HWIS	
754	200-E	299-E25-212	A6616	D, G					Lab Rad				Y	Swanson et al. 1988; DOE 1990	
755	200-E	299-E25-213	A6617	D, G					Lab Rad				Y	Swanson et al. 1988; DOE 1990	
756	200-E	299-E25-214	A6618	D, G					Lab Rad				Y	Swanson et al. 1988; DOE 1990	
757	200-E	299-E25-215	A6619	D, G									Y	HWIS	
758	200-E	299-E25-216	A6620	D, G									Y	HWIS	
759	200-E	299-E25-217	A6621	D, G					Lab Rad				Y	Swanson et al. 1988; DOE 1990	
760	200-E	299-E25-218	A6622	D, G									Y	HWIS	
761	200-E	299-E25-219	A6623	D, G									Y	HWIS	
762	200-E	299-E25-22	A6032	D		Virtual Library							Y	HWIS	
763	200-E	299-E25-220	A6624	D, G									Y	HWIS	
764	200-E	299-E25-221	A6625	D, G					Lab Rad					Swanson et al. 1988; DOE 1990	
765	200-E	299-E25-222	A6626	D, G		Virtual Library	Virtual Library	Y	Metals, Alk, Lab Rad	CEC, Cond			Y	Swanson et al. 1988; DOE 1990	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
766	200-E	299-E25-223	A6627	D, G		Virtual Library		Y	Metals, Alk, Lab Rad	CEC, Cond			Y	Swanson et al. 1988; DOE 1990	
767	200-E	299-E25-224	A6628	D, G				Y	Metals, Alk, Lab Rad	CEC, Cond			Y	Swanson et al. 1988; DOE 1990	
768	200-E	299-E25-225	A6629	D, G		Virtual Library		Y	Metals, Alk, Lab Rad	CEC, Cond			Y	Swanson et al. 1988; DOE 1990	
769	200-E	299-E25-226	A6630	D, G		Virtual Library		Y	Metals, Alk, Lab Rad	CEC, Cond			Y	Swanson et al. 1988; DOE 1990	
770	200-E	299-E25-227	A6631	D, G		Virtual Library		Y	Metals, Alk, Lab Rad	CEC, Cond			Y	Swanson et al. 1988; DOE 1990	
771	200-E	299-E25-228	A6632	D, G		Virtual Library							Y	HWIS	
772	200-E	299-E25-229	A6633	D, G		Y							Y	Serkowski 1986	
773	200-E	299-E25-23	A6033	D									Y	HWIS	
774	200-E	299-E25-230	A6634	D, G		Y							Y	Serkowski 1986	
775	200-E	299-E25-231	A6635	D, G		Virtual Library	Y						Y	Serkowski 1986	
776	200-E	299-E25-232	A6636	D, G		Virtual Library	Y						Y	Serkowski 1986	
777	200-E	299-E25-233	A6637	D, G									Y	HWIS	
778	200-E	299-E25-234	A6638	D, G		Virtual Library		Y		Bden			Y	DOE 1990; Swanson et al. 1988; Smoot et al. 1989	
779	200-E	299-E25-235	A6639	D, G		Virtual Library	Virtual Library	Y					Y	DOE 1990	
780	200-E	299-E25-24	A4769	D									Y	HWIS	
781	200-E	299-E25-25	A4770	D, G	DN, GG, NT	Virtual Library		Y	Metals, Alk, Lab Rad	CEC, Cond			Y	Swanson et al. 1988; DOE 1990	
782	200-E	299-E25-26	A4771	D, G	DN, GG, NT	Virtual Library	Virtual Library	Y	Metals, Alk, Lab Rad	CEC, Cond			Y	Swanson et al. 1988; DOE 1990	
783	200-E	299-E25-27	A4772	D, G	DN, GG, MO, NT			Y	Metals, Alk, Lab Rad	CEC, Cond			Y	Swanson et al. 1988; DOE 1990	
784	200-E	299-E25-28	A4773	D, G	DN, GG, NT	Virtual Library		Y					Y	DOE 1990	
785	200-E	299-E25-29	A6034	D, G	GG, MO, NT	Virtual Library	Virtual Library	Y					Y	DOE 1990	
786	200-E	299-E25-3	A6024	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
787	200-E	299-E25-30	A6035	D, G		Virtual Library	Virtual Library	Y					Y	DOE 1990	
788	200-E	299-E25-30Q	A4777		GG, MO										
789	200-E	299-E25-31	A4778	D, G	GG, MO, SG	Virtual Library	Virtual Library						Y	HWIS	
790	200-E	299-E25-32	A6036	D, G	DN, GG, NT	Virtual Library	Virtual Library	Y					Y	DOE 1990	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
791	200-E	299-E25-32P	A4779		MO										
792	200-E	299-E25-32Q	A4780		MO										
793	200-E	299-E25-33	A4781	D, G	DN, GG, NT			Y					Y	DOE 1990	
794	200-E	299-E25-34	A4782	G				Y					Y		
795	200-E	299-E25-35	A4783	G	DN, GG, NT			Y					Y		
796	200-E	299-E25-36	A4784	G	DN, GG, NT								Y		
797	200-E	299-E25-37	A4785	G	GG, MO, SG	Virtual Library		Y	Y				Y	Teel 1990	
798	200-E	299-E25-38	A4786	G	GG, MO, SG	Virtual Library		Y	Y				Y	Teel 1990	
799	200-E	299-E25-39	A4787	G	GG, MO, SG		Y	Y					Y	Swanson 1992	
800	200-E	299-E25-4	A4788	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
801	200-E	299-E25-40	A4789	G	GG	Virtual Library		Y	Y				Y	Pearson 1990	
802	200-E	299-E25-41	A4790	G	GG	Virtual Library		Y	Y				Y	Pearson 1990	
803	200-E	299-E25-42	A4791	G	GG, SG	Y	Y	Y					Y	Kasza 1992	
804	200-E	299-E25-43	A4792	G	GG, SG	Y	Y	Y					Y	Kasza 1992	
805	200-E	299-E25-44	A5448	G	GG, MO, SG		Y	Y					Y	Swanson 1993	
806	200-E	299-E25-45	A5449	G	GG, MO, SG		Y	Y					Y	Swanson 1993	
807	200-E	299-E25-46	A4793	G	GG	Y	Y	Y					Y	Caggiano 1993	
808	200-E	299-E25-47	A4794	G	GG		Y	Y					Y	Kasza 1993	
809	200-E	299-E25-48	A4795	G	GG, MG, SG		Y	Y					Y	Kasza 1993	
810	200-E	299-E25-49	A6038	G	GG, MO, SG		Y	Y	Field Rad (Alpha, Beta/Gamma)				Y	Swanson 1994	
811	200-E	299-E25-5	A6025	D	DN, GG, NT, SG	Virtual Library	Virtual Library		MiscMetals				Y	Haney 1967	
812	200-E	299-E25-50	A6039	G	GG, MO, SG		Y	Y	Field Rad (Alpha, Beta/Gamma)				Y	Swanson 1994	
813	200-E	299-E25-51	A6040	D		Virtual Library	Virtual Library						Y	HWIS	
814	200-E	299-E25-53	A6042	D	GG	Virtual Library	Virtual Library						Y	HWIS	
815	200-E	299-E25-54	A6043	D	GG, SG								Y	HWIS	
816	200-E	299-E25-55	A6044	D	GG	Virtual Library	Virtual Library						Y	HWIS	
817	200-E	299-E25-56	A6045	D	GG								Y	HWIS	
818	200-E	299-E25-57	A6046	D	GG	Virtual Library	Virtual Library						Y	HWIS	
819	200-E	299-E25-58	A6047	D	GG	Virtual Library	Virtual Library						Y	HWIS	
820	200-E	299-E25-59	A6048		GG	Virtual Library	Virtual Library								
821	200-E	299-E25-6	A4796	D	DN, GG, NT, SG	Virtual Library	Virtual Library		MiscMetals				Y	Haney 1967	
822	200-E	299-E25-60	A6049		GG	Virtual Library	Virtual Library						Y		

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
823	200-E	299-E25-61	A6500	D	GG	Virtual Library	Virtual Library						Y	HWIS	
824	200-E	299-E25-62	A6501	D	GG									HWIS	
825	200-E	299-E25-63	A6502	D	GG	Virtual Library	Virtual Library						Y	HWIS	
826	200-E	299-E25-64	A6503		GG										
827	200-E	299-E25-65	A6504	D	GG	Virtual Library	Virtual Library						Y	HWIS	
828	200-E	299-E25-66	A6505	D	GG								Y	HWIS	
829	200-E	299-E25-67	A6506	D	GG	Virtual Library	Virtual Library						Y		
830	200-E	299-E25-68	A6507	D	GG				Field Rad				Y	HWIS	
831	200-E	299-E25-69	A6508	D	GG	Virtual Library	Virtual Library						Y	HWIS	
832	200-E	299-E25-7	A6026	D	DN, GG, MO, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
833	200-E	299-E25-70	A6509	D	GG								Y	HWIS	
834	200-E	299-E25-71	A6510	D	GG								Y	HWIS	
835	200-E	299-E25-72	A6511	D	GG				Field Rad				Y	HWIS	
836	200-E	299-E25-73	A6512	D	GG								Y	HWIS	
837	200-E	299-E25-74	A6513	D	GG	Virtual Library	Virtual Library		Field Rad				Y	HWIS	
838	200-E	299-E25-75	A6514	D	GG	Virtual Library	Virtual Library						Y	HWIS	
839	200-E	299-E25-76	A6515	D	GG									HWIS	
840	200-E	299-E25-77	A6516	D	GG	Virtual Library	Virtual Library						Y	HWIS	
841	200-E	299-E25-78	A6517	D	GG								Y	HWIS	
842	200-E	299-E25-79	A6518	D	GG	Virtual Library	Virtual Library						Y	HWIS	
843	200-E	299-E25-8	A6027	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
844	200-E	299-E25-80	A6519	D	GG	Virtual Library	Virtual Library		Field Rad				Y	HWIS	
845	200-E	299-E25-81	A6520	D	GG	Virtual Library	Virtual Library						Y	HWIS	
846	200-E	299-E25-82	A6521	D	GG								Y	HWIS	
847	200-E	299-E25-83	A6522	D	GG								Y	HWIS	
848	200-E	299-E25-84	A6523	D	GG								Y	HWIS	
849	200-E	299-E25-85	A6524	D	GG	Virtual Library	Virtual Library						Y	HWIS	
850	200-E	299-E25-86	A6525	D	GG	Virtual Library	Virtual Library						Y	HWIS	
851	200-E	299-E25-87	A6526	D	GG								Y	HWIS	
852	200-E	299-E25-88	A6527	D	GG								Y	HWIS	
853	200-E	299-E25-89	A6528	D	GG	Virtual Library	Virtual Library						Y	HWIS	
854	200-E	299-E25-9	A4797	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
855	200-E	299-E25-90	A6529	D	GG								Y	HWIS	
856	200-E	299-E25-91	A6530	D	GG	Virtual Library	Virtual Library						Y	HWIS	
857	200-E	299-E25-92	A6531	D	GG								Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
858	200-E	299-E25-93	C4122	G	GG, SG	Y							Y	Martinez 2003; Williams and Narbutovskih 2003	
859	200-E	299-E25-94	C4665	G, Well summary	GG, SG									HWIS	
860	200-E	299-E25-95			GG										
861	200-E	299-E25-96			GG										
862	200-E	299-E25-97	A6532	D	GG								Y	HWIS	
863	200-E	299-E25-98	A6533	D	DN, GG, NT				Field Rad						
864	200-E	299-E25-99	A6534	D		Virtual Library	Virtual Library						Y	HWIS	
865	200-E	299-E26-1	A4798	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
866	200-E	299-E26-10	A4799	G	GG	Y	Virtual Library		Field pH, XRF	SpG, %GSSC	XRD		Y	Doremus and Pearson 1990; Sweeney 1993b; Sweeney 1994	
867	200-E	299-E26-11	A4800	G	CP, GG	Virtual Library	Virtual Library		Field pH, XRF	SpG, %GSSC	XRD		Y	Doremus and Pearson 1990; Sweeney 1993b; Sweeney 1994	
868	200-E	299-E26-12	A4801	G	GG, SG		Y	Y					Y	Kasza 1992	
869	200-E	299-E26-13	A4802	G	GG, SG	Y	Y	Y					Y	Kasza 1992	
870	200-E	299-E26-2	A4803	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
871	200-E	299-E26-3	A6640	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
872	200-E	299-E26-4	A4804	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library		Field Rad				Y	HWIS	
873	200-E	299-E26-5	A6641	D	DN, GG, NT, SG								Y	HWIS	
874	200-E	299-E26-51	A6644	D									Y	HWIS	
875	200-E	299-E26-52	A6645	D	GG, SG				Field Rad				Y	HWIS	
876	200-E	299-E26-53	A6646	D	GG, SG				Field Rad				Y	HWIS	
877	200-E	299-E26-54	A6647	D	GG, SG								Y	HWIS	
878	200-E	299-E26-55	A6648	D									Y	HWIS	
879	200-E	299-E26-56	A6649	D	SG								Y	HWIS	
880	200-E	299-E26-57	A6650	D	SG				Field Rad				Y	HWIS	
881	200-E	299-E26-58	A6651	D	SG								Y	HWIS	
882	200-E	299-E26-59	A6652	D									Y	HWIS	
883	200-E	299-E26-6	A6642	D		Virtual Library	Virtual Library			%GSSC			Y	Brown 1963	
884	200-E	299-E26-60	A6653	D	GG, SG				Field Rad				Y	HWIS	
885	200-E	299-E26-61	A6654	D					Field Rad				Y	HWIS	
886	200-E	299-E26-62	A6655	D	SG				Field Rad				Y	HWIS	
887	200-E	299-E26-63	A6656	D	SG				Field Rad				Y	HWIS	
888	200-E	299-E26-64	A6657	D	SG								Y	HWIS	
889	200-E	299-E26-65	A6658	D									Y	HWIS	
890	200-E	299-E26-66	A6659	D					Field Rad				Y	HWIS	
891	200-E	299-E26-67	A6660	D	SG								Y	HWIS	
892	200-E	299-E26-68	A6661	D	SG								Y	HWIS	
893	200-E	299-E26-69	A6662	D	SG								Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
894	200-E	299-E26-7	A6643	D	DN, GG, NT, SG									HWIS	
895	200-E	299-E26-70	A6663	D									Y	HWIS	
896	200-E	299-E26-71	A6664	D	SG				Field Rad				Y	HWIS	
897	200-E	299-E26-72	A6665	D									Y	HWIS	
898	200-E	299-E26-73	A6666	D	SG								Y	HWIS	
899	200-E	299-E26-74	A6667	D	SG				Field Rad				Y	HWIS	
900	200-E	299-E26-75	A6668	D	SG				Field Rad				Y	HWIS	
901	200-E	299-E26-76	A6669	D	GG, SG				Field Rad				Y	HWIS	
902	200-E	299-E26-8	A4805	D	CP, DN, GG, MG, NT, OT, SN, TP								Y	HWIS	
903	200-E	299-E26-9	A4806	G	GG	Y	Virtual Library		Field pH, XRF	SpG, %GSSC	XRD		Y	Doremus and Pearson 1990; Sweeney 1993b; Sweeney 1994	
904	200-E	299-E27-1	A4807	D	GG, MO, NT, SG, TP	Virtual Library	Virtual Library		pH	CEC, %GSSC, 15-Atm			Y	McHenry 1957	
905	200-E	299-E27-10	A4808	G	DN, GG, NT	Virtual Library							Y	HWIS	
906	200-E	299-E27-100	A6725	D		Virtual Library	Virtual Library						Y	HWIS	
907	200-E	299-E27-101	A6726	D		Virtual Library	Virtual Library						Y	HWIS	
908	200-E	299-E27-102	A6727	D		Virtual Library	Virtual Library						Y	HWIS	
909	200-E	299-E27-103	A6728	D									Y	HWIS	
910	200-E	299-E27-104	A6729	D									Y	HWIS	
911	200-E	299-E27-105	A6730	D									Y	HWIS	
912	200-E	299-E27-106	A6731	D									Y	HWIS	
913	200-E	299-E27-107	A6732	D									Y	HWIS	
914	200-E	299-E27-108	A6733	D									Y	HWIS	
915	200-E	299-E27-109	A6734	D									Y	HWIS	
916	200-E	299-E27-11	A4809	G	GG			Y	An, TOC, VOA, Field Rad				Y	Goodwin and Bjornstad 1990	Rich Mercer
917	200-E	299-E27-115	A6735	D		Virtual Library	Virtual Library						Y	HWIS	
918	200-E	299-E27-116	A6736	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
919	200-E	299-E27-117	A6737	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
920	200-E	299-E27-118	A6738	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
921	200-E	299-E27-119	A6739	D		Virtual Library	Virtual Library						Y	HWIS	
922	200-E	299-E27-12	A4810	G	GG								Y	HWIS	
923	200-E	299-E27-120	A6740	D									Y	HWIS	
924	200-E	299-E27-121	A6741	D									Y	HWIS	
925	200-E	299-E27-122	A6742	D									Y		
926	200-E	299-E27-124	A6744	D									Y	HWIS	
927	200-E	299-E27-125	A6745	D									Y	HWIS	
928	200-E	299-E27-126	A6746	D					Field Rad				Y	HWIS	
929	200-E	299-E27-127	A6747	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
930	200-E	299-E27-128	A6748	D					Field Rad				Y	HWIS	
931	200-E	299-E27-129	A6749	D					Field Rad				Y	HWIS	
932	200-E	299-E27-13	A4811	G	GG	Virtual Library		Y	Y				Y	Pearson 1990	
933	200-E	299-E27-130	A6750	D					Field Rad				Y	HWIS	
934	200-E	299-E27-131	A6751	D					Field Rad				Y	HWIS	
935	200-E	299-E27-132	A6752	D					Field Rad				Y	HWIS	
936	200-E	299-E27-133	A6753	D	GG				Field Rad				Y	HWIS	
937	200-E	299-E27-135	A6754	D									Y	HWIS	
938	200-E	299-E27-137	A6766	D, G									Y	HWIS	
939	200-E	299-E27-138	A6767	D, G					Field Rad					HWIS	
940	200-E	299-E27-139	A6768	D, G									Y	HWIS	
941	200-E	299-E27-14	A4812	G	GG			Y	Y				Y	Pearson 1990	
942	200-E	299-E27-140	A6769	D, G					Field Rad				Y	HWIS	
943	200-E	299-E27-141	A6770	D, G									Y	HWIS	
944	200-E	299-E27-142	A6771	D									Y	HWIS	
945	200-E	299-E27-143	A6772	D									Y	HWIS	
946	200-E	299-E27-144	A6773	D									Y	HWIS	
947	200-E	299-E27-145	A6774	D									Y	HWIS	
948	200-E	299-E27-146	A6775	D									Y	HWIS	
949	200-E	299-E27-147	A6776	D		Virtual Library	Virtual Library						Y	HWIS	
950	200-E	299-E27-148	A6777	D, G					Lab Rad				Y	Subrahmanyam 1986	
951	200-E	299-E27-149	A6778	D, G									Y	HWIS	
952	200-E	299-E27-15	A4813	G	GG			Y	Y				Y	Pearson 1990	
953	200-E	299-E27-150	A6779	D, G									Y	HWIS	
954	200-E	299-E27-151	A6780	D, G									Y	HWIS	
955	200-E	299-E27-152	A6781	D					Lab Rad				Y	Subrahmanyam 1986	
956	200-E	299-E27-153	A6782	D, G					Lab Rad				Y	Subrahmanyam 1986	
957	200-E	299-E27-154	A6783	D, G										HWIS	
958	200-E	299-E27-155		D, G									Y		
959	200-E	299-E27-16	A4814	G	GG								Y		
960	200-E	299-E27-17	A4815	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993b	
961	200-E	299-E27-18	A6674	G	GG, SG		Y	Y					Y	Bjornstad 1993	
962	200-E	299-E27-19	A6675	G	GG, SG		Y	Y					Y	Bjornstad 1993	
963	200-E	299-E27-2	A6670	D, G									Y	HWIS	
964	200-E	299-E27-20	C4126	G		Y							Y	Martinez 2003	
965	200-E	299-E27-21	C4127	G	SG	Y							Y	Martinez 2003; Williams and Narbutovskih 2004	
966	200-E	299-E27-22	C4124	G	SG	Y							Y	Martinez 2003; Williams and Narbutovskih 2004	

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967	200-E	299-E27-23	C4190	G	SG	Y							Y	Martinez 2003; Williams and Narbutovskih	
968	200-E	299-E27-3	A6671	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
969	200-E	299-E27-4	C4125	G	SG	Y							Y	Martinez 2003; Williams and Narbutovskih 2004	
970	200-E	299-E27-5	A6672	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
971	200-E	299-E27-51	A6676	D	GG									HWIS	
972	200-E	299-E27-52	A6677	D	GG								Y	HWIS	
973	200-E	299-E27-53	A6678	D										HWIS	
974	200-E	299-E27-54	A6679	D	GG									HWIS	
975	200-E	299-E27-55	A6680	D	GG										
976	200-E	299-E27-56	A6681	D	GG									HWIS	
977	200-E	299-E27-57	A6682	D	GG									HWIS	
978	200-E	299-E27-58	A6683	D										HWIS	
979	200-E	299-E27-59	A6684	D										HWIS	
980	200-E	299-E27-6	A6673	D		Virtual Library	Virtual Library						Y	HWIS	
981	200-E	299-E27-60	A6685	D					Field Rad				Y	HWIS	
982	200-E	299-E27-61	A6686	D										HWIS	
983	200-E	299-E27-62	A6687	D										HWIS	
984	200-E	299-E27-63	A6688	D					Field Rad					HWIS	
985	200-E	299-E27-64	A6689	D										HWIS	
986	200-E	299-E27-65	A6690	D		Virtual Library	Virtual Library						Y	HWIS	
987	200-E	299-E27-66	A6691	D		Virtual Library	Virtual Library						Y	HWIS	
988	200-E	299-E27-67	A6692	D		Virtual Library	Virtual Library						Y	HWIS	
989	200-E	299-E27-68	A6693	D									Y	HWIS	
990	200-E	299-E27-69	A6694	D									Y	HWIS	
991	200-E	299-E27-7	A4816	D									Y	HWIS	
992	200-E	299-E27-70	A6695	D		Virtual Library	Virtual Library						Y	HWIS	
993	200-E	299-E27-71	A6696	D									Y	HWIS	
994	200-E	299-E27-72	A6697	D		Virtual Library	Virtual Library						Y	HWIS	
995	200-E	299-E27-73	A6698	D									Y	HWIS	
996	200-E	299-E27-74	A6699	D		Virtual Library	Virtual Library						Y	HWIS	
997	200-E	299-E27-75	A6700	D		Virtual Library	Virtual Library						Y	HWIS	
998	200-E	299-E27-76	A6701	D		Virtual Library	Virtual Library						Y	HWIS	
999	200-E	299-E27-77	A6702	D									Y	HWIS	
1000	200-E	299-E27-78	A6703	D		Virtual Library	Virtual Library						Y	HWIS	
1001	200-E	299-E27-79	A6704	D		Virtual Library	Virtual Library						Y	HWIS	
1002	200-E	299-E27-8	A4817	D, G	DN, GG, NT	Virtual Library		Y					Y	Last et al. 1989	

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1003	200-E	299-E27-80	A6705	D									Y	HWIS	
1004	200-E	299-E27-81	A6706	D									Y	HWIS	
1005	200-E	299-E27-82	A6707	D		Virtual Library	Virtual Library						Y	HWIS	
1006	200-E	299-E27-83	A6708	D		Virtual Library	Virtual Library						Y	HWIS	
1007	200-E	299-E27-84	A6709	D		Virtual Library	Virtual Library						Y	HWIS	
1008	200-E	299-E27-85	A6710	D		Virtual Library	Virtual Library						Y	HWIS	
1009	200-E	299-E27-86	A6711	D		Virtual Library	Virtual Library						Y		
1010	200-E	299-E27-87	A6712	D									Y	HWIS	
1011	200-E	299-E27-88	A6713	D									Y	HWIS	
1012	200-E	299-E27-89	A6714	D									Y	HWIS	
1013	200-E	299-E27-9	A4818	D, G	DN, GG, NT	Virtual Library							Y	HWIS	
1014	200-E	299-E27-90	A6715	D									Y	HWIS	
1015	200-E	299-E27-91	A6716	D		Virtual Library	Virtual Library						Y	HWIS	
1016	200-E	299-E27-92	A6717	D		Virtual Library	Virtual Library						Y	HWIS	
1017	200-E	299-E27-93	A6718	D		Virtual Library	Virtual Library						Y	HWIS	
1018	200-E	299-E27-94	A6719	D		Virtual Library	Virtual Library						Y	HWIS	
1019	200-E	299-E27-95	A6720	D									Y	HWIS	
1020	200-E	299-E27-96	A6721	D		Virtual Library	Virtual Library						Y	HWIS	
1021	200-E	299-E27-97	A6722	D		Virtual Library	Virtual Library						Y	HWIS	
1022	200-E	299-E27-98	A6723	D									Y	HWIS	
1023	200-E	299-E27-99	A6724	D		Virtual Library	Virtual Library						Y	HWIS	
1024	200-E	299-E28-1	A6784	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1025	200-E	299-E28-10	A6789	D	GG, NT, SG									HWIS	
1026	200-E	299-E28-11	A6790	D										HWIS	
1027	200-E	299-E28-12	A4819	D	DN, GG, NT, TP									HWIS	
1028	200-E	299-E28-13	A6791	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1029	200-E	299-E28-14	A6792	As-built	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1030	200-E	299-E28-15	A6793	D	GG, TP	Virtual Library	Virtual Library						Y	HWIS	
1031	200-E	299-E28-16	A6794	D	DN, GG, NT, SG	Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1032	200-E	299-E28-17	A4820	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1033	200-E	299-E28-18	A4821	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1034	200-E	299-E28-19	A6795	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1035	200-E	299-E28-2	A6785	D	GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1036	200-E	299-E28-20	A6796	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1037	200-E	299-E28-21	A6797	D	DN, GG, NT, TP									HWIS	
1038	200-E	299-E28-22	A6798	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1039	200-E	299-E28-23	A6799	D	SG	Virtual Library	Virtual Library		Lab Rad				Y	Smith 1980	
1040	200-E	299-E28-24	A6800	D	GG, SG	Virtual Library	Virtual Library		Lab Rad				Y	Smith 1980	
1041	200-E	299-E28-25	A6801	D	GG, SG	Virtual Library	Virtual Library		Lab Rad				Y	Smith 1980	
1042	200-E	299-E28-26	A4822	D, G	DN, GG, NT	Virtual Library	Virtual Library		XRF, TC, IC, TOC	%GSSC, CEC	XRD		Y	Schramke 1988; Ames and Serne 1991	
1043	200-E	299-E28-27	A4823	D, G	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1044	200-E	299-E28-28	A4824	D, G	GG		Virtual Library		An,Rad,VOA, TOC				Y	Barton 1990	Rich Mercer
1045	200-E	299-E28-3	A6786	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1046	200-E	299-E28-4	A4825	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1047	200-E	299-E28-5	A6787	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1048	200-E	299-E28-50	C3659		SG										
1049	200-E	299-E28-51	A6802	D										HWIS	
1050	200-E	299-E28-52	A6803	D		Virtual Library	Virtual Library						Y	HWIS	
1051	200-E	299-E28-53	A6804	D	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
1052	200-E	299-E28-54	A6805	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1053	200-E	299-E28-55	A6806	D	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
1054	200-E	299-E28-56	A6807	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1055	200-E	299-E28-57	A6808	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1056	200-E	299-E28-58	A6809	D	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
1057	200-E	299-E28-59	A6810	D	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
1058	200-E	299-E28-6	A4826	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1059	200-E	299-E28-60	A6811	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1060	200-E	299-E28-61	A6812	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1061	200-E	299-E28-62	A6813	D	GG, SG									HWIS	
1062	200-E	299-E28-63	A6814	D										HWIS	
1063	200-E	299-E28-64	A6815	D	GG	Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1064	200-E	299-E28-65	A6816	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1065	200-E	299-E28-66	A6817	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1066	200-E	299-E28-67	A6818		SG										
1067	200-E	299-E28-68	A6819		SG										

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1068	200-E	299-E28-69	A6820	D	GG, NT				Field Rad					HWIS	
1069	200-E	299-E28-7	A4827	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library		Lab Rad				Y	Smith 1980	
1070	200-E	299-E28-70	A6821	D	GG, NT				Field Rad					HWIS	
1071	200-E	299-E28-71	A6822	D	GG, NT				Field Rad					HWIS	
1072	200-E	299-E28-73	A6824	D	GG, SG	Virtual Library	Virtual Library		Lab Rad				Y	Smith 1980	
1073	200-E	299-E28-74	A6825	D	GG, SG	Virtual Library	Virtual Library		Lab Rad				Y	Smith 1980	
1074	200-E	299-E28-75	A6826	D	SG				Field Rad				Y	HWIS	
1075	200-E	299-E28-76	A6827	D	GG				Field Rad				Y	HWIS	
1076	200-E	299-E28-77	A6828	D									Y	HWIS	Backfilled
1077	200-E	299-E28-78	A6829	D									Y	HWIS	Backfilled
1078	200-E	299-E28-8	A6788	D	GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1079	200-E	299-E28-84	A6835	D	SG				Field Rad				Y	HWIS	
1080	200-E	299-E28-85	A6836	D	SG				Field Rad				Y	HWIS	
1081	200-E	299-E28-86	A6837	D	SG				Field Rad				Y	HWIS	
1082	200-E	299-E28-87	A6838	D	SG				Field Rad				Y	HWIS	
1083	200-E	299-E28-88	A6839	D	SG				Field Rad				Y	HWIS	
1084	200-E	299-E28-89	A6840	D	SG				Field Rad				Y	HWIS	
1085	200-E	299-E28-9	A4828	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1086	200-E	299-E28-90	A6841	D, G					Field Rad, Lab Rad				Y	PNNL files	Can't find
1087	200-E	299-E28-91	A6842	D	SG				Field Rad				Y	HWIS	
1088	200-E	299-E28-93	A6844	D									Y	HWIS	
1089	200-E	299-E28-94	A6845	G, Well summary	SG									HWIS	
1090	200-E	299-E28-95	A6846	D, G, Well summary	SG									HWIS	
1091	200-E	299-E29-1	A6847	D										HWIS	
1092	200-E	299-E29-2		D, G		Virtual Library							Y		
1093	200-E	299-E29-3		D, G		Virtual Library							Y		
1094	200-E	299-E29-4		D, G		Virtual Library							Y		
1095	200-E	299-E29-5		D, G		Virtual Library	Virtual Library	Y	An, Rad, TOC, VOA				Y	Goodwin and Bjornstad 1990; Barton 1990	
1096	200-E	299-E32-1	A4829	D, As-built	GG, NT, TP									HWIS	
1097	200-E	299-E32-10	A5432	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993a	
1098	200-E	299-E32-2	A4830	D, As-built	DN, GG, NT									HWIS	
1099	200-E	299-E32-3	A4831	D, As-built	DN, GG, NT									HWIS	
1100	200-E	299-E32-4	A4832	D, G	DN, GG, NT	Y								see R. Khaleel or G. Freeman for sieve data	
1101	200-E	299-E32-5	A4833	As-built	GG									HWIS	
1102	200-E	299-E32-6	A4834	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993b	
1103	200-E	299-E32-7	A4835	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993b	
1104	200-E	299-E32-8	A4836	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993b	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1105	200-E	299-E32-9	A4837	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993b	
1106	200-E	299-E33-10	A6853	D	GG, MO, NT, SG				Field Rad				Y	HWIS	
1107	200-E	299-E33-100	A6908	D									Y	HWIS	
1108	200-E	299-E33-101	A6909	D					Field Rad					HWIS	
1109	200-E	299-E33-102	A6910	D					Field Rad					HWIS	
1110	200-E	299-E33-103	A6911	D					Field Rad					HWIS	
1111	200-E	299-E33-104	A6912	D					Field Rad					HWIS	
1112	200-E	299-E33-105	A6913	D					Field Rad					HWIS	
1113	200-E	299-E33-106	A6914	D					Field Rad					HWIS	
1114	200-E	299-E33-107	A6915	D					Field Rad					HWIS	
1115	200-E	299-E33-108	A6916	D					Field Rad				Y	HWIS	
1116	200-E	299-E33-109	A6917	D					Field Rad					HWIS	
1117	200-E	299-E33-11	A6854	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1118	200-E	299-E33-110	A6918	D					Field Rad					HWIS	
1119	200-E	299-E33-111	A6919	D					Field Rad					HWIS	
1120	200-E	299-E33-112	A6920	D					Field Rad					HWIS	
1121	200-E	299-E33-113	A6921	D					Field Rad					HWIS	
1122	200-E	299-E33-114	A6922	D					Field Rad					HWIS	
1123	200-E	299-E33-115	A6923	D					Field Rad					HWIS	
1124	200-E	299-E33-116	A6924	D					Field Rad					HWIS	
1125	200-E	299-E33-117	A6925	D					Field Rad					HWIS	
1126	200-E	299-E33-118	A6926	D					Field Rad					HWIS	
1127	200-E	299-E33-119	A6927	D					Field Rad					HWIS	
1128	200-E	299-E33-12	A4839	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library		pH	CEC, %GSSC, 15-Atm			Y	McHenry 1957	
1129	200-E	299-E33-120	A6928	D					Field Rad					HWIS	
1130	200-E	299-E33-121	A6929	D					Field Rad					HWIS	
1131	200-E	299-E33-122	A6930	D					Field Rad					HWIS	
1132	200-E	299-E33-123	A6931	D					Field Rad					HWIS	
1133	200-E	299-E33-124	A6932	D					Field Rad					HWIS	
1134	200-E	299-E33-125	A6933	D					Field Rad					HWIS	
1135	200-E	299-E33-126	A6934	D					Field Rad					HWIS	
1136	200-E	299-E33-127	A6935	D					Field Rad					HWIS	
1137	200-E	299-E33-128	A6936	D					Field Rad					HWIS	
1138	200-E	299-E33-129	A6937	D										HWIS	
1139	200-E	299-E33-13	A4840	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library		pH	CEC, %GSSC, 15-Atm			Y	McHenry 1957	
1140	200-E	299-E33-130	A6938	D										HWIS	
1141	200-E	299-E33-131	A6939	D										HWIS	
1142	200-E	299-E33-132	A6940	D	GG, NT				Field Rad					HWIS	
1143	200-E	299-E33-133	A6941	D	GG, NT									HWIS	
1144	200-E	299-E33-134	A6942	D	GG, NT									HWIS	
1145	200-E	299-E33-135	A6943	D	GG, NT									HWIS	
1146	200-E	299-E33-136	A6944	D	GG, NT				Field Rad					HWIS	
1147	200-E	299-E33-137	A6945	D	GG, NT				Field Rad					HWIS	
1148	200-E	299-E33-138	A6946	D					Field Rad					HWIS	
1149	200-E	299-E33-139	A6947	D					Field Rad					HWIS	
1150	200-E	299-E33-14	A4841	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1151	200-E	299-E33-140	A6948	D					Field Rad					HWIS	
1152	200-E	299-E33-141	A6949	D	GG, NT				Field Rad					HWIS	
1153	200-E	299-E33-142	A6950	D	GG, NT				Field Rad					HWIS	
1154	200-E	299-E33-143	A6951	D	GG, NT									HWIS	
1155	200-E	299-E33-144	A6952	D										HWIS	

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1156	200-E	299-E33-145	A6953	D	GG, NT									HWIS	
1157	200-E	299-E33-146	A6954	D	GG, NT				Field Rad					HWIS	
1158	200-E	299-E33-147	A6955	D										HWIS	
1159	200-E	299-E33-148	A6956	D		Virtual Library	Virtual Library						Y	HWIS	
1160	200-E	299-E33-149	A6957	D										HWIS	
1161	200-E	299-E33-15	A4842	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1162	200-E	299-E33-150	A6958	D		Virtual Library	Virtual Library						Y	HWIS	
1163	200-E	299-E33-151	A6959	D		Virtual Library	Virtual Library						Y	HWIS	
1164	200-E	299-E33-152	A6960	D									Y	HWIS	
1165	200-E	299-E33-153	A6961	D		Virtual Library	Virtual Library						Y	HWIS	
1166	200-E	299-E33-154	A6962	D		Virtual Library	Virtual Library						Y	HWIS	
1167	200-E	299-E33-155	A6963	D		Virtual Library	Virtual Library						Y	HWIS	
1168	200-E	299-E33-156	A6964	D									Y	HWIS	
1169	200-E	299-E33-157	A6965	D									Y	HWIS	
1170	200-E	299-E33-158	A6966	D									Y	HWIS	
1171	200-E	299-E33-159	A6967	D		Virtual Library	Virtual Library						Y	HWIS	
1172	200-E	299-E33-16	A6855	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1173	200-E	299-E33-160	A6968	D		Virtual Library	Virtual Library						Y	HWIS	
1174	200-E	299-E33-161	A6969	D		Virtual Library	Virtual Library							HWIS	
1175	200-E	299-E33-162	A6970	D									Y	HWIS	
1176	200-E	299-E33-163	A6971	D		Virtual Library	Virtual Library						Y	HWIS	
1177	200-E	299-E33-164	A6972	D		Virtual Library	Virtual Library						Y	HWIS	
1178	200-E	299-E33-165	A6973	D		Virtual Library	Virtual Library						Y	HWIS	
1179	200-E	299-E33-166	A6974	D									Y	HWIS	
1180	200-E	299-E33-167	A6975	D										HWIS	
1181	200-E	299-E33-168	A6976	D										HWIS	
1182	200-E	299-E33-169	A6977	D										HWIS	
1183	200-E	299-E33-17	A4843	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library		pH	CEC, %GSSC, 15-Atm			Y	McHenry 1957	
1184	200-E	299-E33-170	A6978	D										HWIS	
1185	200-E	299-E33-171	A6979	D										HWIS	
1186	200-E	299-E33-172	A6980	D										HWIS	
1187	200-E	299-E33-173	A6981	D										HWIS	
1188	200-E	299-E33-174	A6982	D										HWIS	
1189	200-E	299-E33-175	A6983	D										HWIS	
1190	200-E	299-E33-176	A6984	D		Virtual Library	Virtual Library						Y	HWIS	
1191	200-E	299-E33-177	A6985	D		Virtual Library	Virtual Library						Y	HWIS	
1192	200-E	299-E33-178	A6986	D		Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1193	200-E	299-E33-179	A6987	D		Virtual Library	Virtual Library						Y	HWIS	
1194	200-E	299-E33-18	A4844	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1195	200-E	299-E33-180	A6988	D		Virtual Library	Virtual Library						Y	HWIS	
1196	200-E	299-E33-181	A6989	D									Y	HWIS	
1197	200-E	299-E33-182	A6990	D		Virtual Library	Virtual Library						Y	HWIS	
1198	200-E	299-E33-183	A6991	D									Y	HWIS	
1199	200-E	299-E33-184	A6992	D		Virtual Library	Virtual Library						Y	HWIS	
1200	200-E	299-E33-185	A6993	D		Virtual Library	Virtual Library						Y	HWIS	
1201	200-E	299-E33-186	A6994	D		Virtual Library	Virtual Library						Y	HWIS	
1202	200-E	299-E33-187	A6995	D									Y	HWIS	
1203	200-E	299-E33-188	A6996	D									Y	HWIS	
1204	200-E	299-E33-189	A6997	D		Virtual Library	Virtual Library						Y	HWIS	
1205	200-E	299-E33-19	A4845	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1206	200-E	299-E33-190	A6998	D		Virtual Library	Virtual Library						Y	HWIS	
1207	200-E	299-E33-191	A6999	D		Virtual Library	Virtual Library						Y	HWIS	
1208	200-E	299-E33-192	A7000	D		Virtual Library	Virtual Library							HWIS	
1209	200-E	299-E33-193	A7001	D		Virtual Library	Virtual Library						Y	HWIS	
1210	200-E	299-E33-194	A7002	D									Y	HWIS	
1211	200-E	299-E33-195	A7003	D		Virtual Library	Virtual Library						Y	HWIS	
1212	200-E	299-E33-196	A7004	D		Virtual Library	Virtual Library						Y	HWIS	
1213	200-E	299-E33-197	A7005	D									Y	HWIS	
1214	200-E	299-E33-198	A7006	D									Y	HWIS	
1215	200-E	299-E33-199	A7007	D									Y	HWIS	
1216	200-E	299-E33-1A	A4838	D	DN, GG, NT, SG	Virtual Library	Virtual Library		Lab Rad				Y	Haney 1967	
1217	200-E	299-E33-1B	A6851	D					Field Rad				Y	HWIS	
1218	200-E	299-E33-2	A4846	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1219	200-E	299-E33-20	A4847	D	DN, GG, MO, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1220	200-E	299-E33-200	A7008	D									Y	HWIS	
1221	200-E	299-E33-201	A7009	D		Virtual Library	Virtual Library				XRD, EM		Y	Ames 1976	
1222	200-E	299-E33-202	A7010	D		Virtual Library	Virtual Library						Y	HWIS	
1223	200-E	299-E33-203	A7011	D		Virtual Library	Virtual Library						Y	HWIS	
1224	200-E	299-E33-204	A7012	D		Virtual Library	Virtual Library				XRD, EM		Y	Ames 1976	
1225	200-E	299-E33-206	A7013	D									Y	HWIS	
1226	200-E	299-E33-207	A7014	D									Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1227	200-E	299-E33-208	A7015	D		Virtual Library	Virtual Library						Y		
1228	200-E	299-E33-209	A7016	D		Virtual Library	Virtual Library						Y	HWIS	
1229	200-E	299-E33-21	A4848	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1230	200-E	299-E33-210	A7017	D					Field Rad					HWIS	
1231	200-E	299-E33-211	A7018	D										HWIS	
1232	200-E	299-E33-212	A7019	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1233	200-E	299-E33-213	A7020	D									Y	HWIS	
1234	200-E	299-E33-214	A7021	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1235	200-E	299-E33-215	A7022	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1236	200-E	299-E33-216	A7023	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1237	200-E	299-E33-217	A7024	D		Virtual Library	Virtual Library						Y	HWIS	
1238	200-E	299-E33-218	A7025	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1239	200-E	299-E33-219	A7026	D		Virtual Library	Virtual Library						Y	HWIS	
1240	200-E	299-E33-22	A6856	D	DN, GG, NT, SG	Virtual Library	Virtual Library		Field Rad; Sorption	CEC	XRD		Y	Routson et al. 1981; Delegard and Barney 1983	
1241	200-E	299-E33-220	A7027	D		Virtual Library	Virtual Library						Y	HWIS	
1242	200-E	299-E33-221	A7028	D		Virtual Library	Virtual Library						Y	HWIS	
1243	200-E	299-E33-222	A7029	D		Virtual Library	Virtual Library						Y	HWIS	
1244	200-E	299-E33-223	A7030	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1245	200-E	299-E33-224	A7031	D		Virtual Library	Virtual Library						Y	HWIS	
1246	200-E	299-E33-225	A7032	D		Virtual Library	Virtual Library						Y	HWIS	
1247	200-E	299-E33-226	A7033	D		Virtual Library	Virtual Library						Y	HWIS	
1248	200-E	299-E33-227	A7034	D		Virtual Library	Virtual Library						Y	HWIS	
1249	200-E	299-E33-228	A7035	D		Virtual Library	Virtual Library						Y	HWIS	
1250	200-E	299-E33-229	A7036	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1251	200-E	299-E33-23	A6857	D	GG, NT, SG				Field Rad					HWIS	
1252	200-E	299-E33-230	A7037	D									Y	HWIS	
1253	200-E	299-E33-231	A7038	D		Virtual Library	Virtual Library						Y	HWIS	
1254	200-E	299-E33-232	A7039	D		Virtual Library	Virtual Library						Y	HWIS	
1255	200-E	299-E33-233	A7040	D		Virtual Library	Virtual Library						Y	HWIS	
1256	200-E	299-E33-234	A7041	D		Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1257	200-E	299-E33-235	A7042	D		Virtual Library	Virtual Library						Y	HWIS	
1258	200-E	299-E33-236	A7043	D									Y	HWIS	
1259	200-E	299-E33-237	A7044	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1260	200-E	299-E33-238	A7045	D										HWIS	
1261	200-E	299-E33-239	A7046	D									Y	HWIS	
1262	200-E	299-E33-24	A4849	D	DN, GG, NT, SG									HWIS	
1263	200-E	299-E33-240	A7047	D		Virtual Library	Virtual Library						Y	HWIS	
1264	200-E	299-E33-241	A7048	D		Virtual Library	Virtual Library						Y	HWIS	
1265	200-E	299-E33-242	A7049	D		Virtual Library	Virtual Library						Y	HWIS	
1266	200-E	299-E33-243	A7050	D		Virtual Library	Virtual Library						Y	HWIS	
1267	200-E	299-E33-244	A7051	D		Virtual Library	Virtual Library						Y		
1268	200-E	299-E33-245	A7052	D		Virtual Library	Virtual Library						Y	HWIS	
1269	200-E	299-E33-246	A7053	D		Virtual Library	Virtual Library						Y	HWIS	
1270	200-E	299-E33-247	A7054	D										HWIS	
1271	200-E	299-E33-248	A7055	D		Virtual Library	Virtual Library						Y	HWIS	
1272	200-E	299-E33-249	A7056	D		Virtual Library	Virtual Library						Y	HWIS	
1273	200-E	299-E33-25	A6858	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1274	200-E	299-E33-250	A7057	D		Virtual Library	Virtual Library						Y	HWIS	
1275	200-E	299-E33-251	A7058	D		Virtual Library	Virtual Library						Y	HWIS	
1276	200-E	299-E33-252	A7059	D		Virtual Library	Virtual Library						Y	HWIS	
1277	200-E	299-E33-253	A7060	D		Virtual Library	Virtual Library						Y	HWIS	
1278	200-E	299-E33-254	A7061	D		Virtual Library	Virtual Library						Y	HWIS	
1279	200-E	299-E33-255	A7062	D		Virtual Library	Virtual Library						Y	HWIS	
1280	200-E	299-E33-256	A7063	D		Virtual Library	Virtual Library						Y	HWIS	
1281	200-E	299-E33-257	A7064	D		Virtual Library	Virtual Library						Y	HWIS	
1282	200-E	299-E33-258	A7065	D		Virtual Library	Virtual Library						Y	HWIS	
1283	200-E	299-E33-259	A7066	D									Y	HWIS	
1284	200-E	299-E33-26	A4850	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1285	200-E	299-E33-260	A7067	D					Field Rad				Y	HWIS	
1286	200-E	299-E33-261	A7068	D									Y	HWIS	
1287	200-E	299-E33-262	A7069	D									Y	HWIS	
1288	200-E	299-E33-263	A7070	D									Y	HWIS	
1289	200-E	299-E33-264	A7071	D									Y	HWIS	
1290	200-E	299-E33-27	A4851	D	GG, NT				Field Rad					HWIS	
1291	200-E	299-E33-273	A7073	D					Field Rad					HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1292	200-E	299-E33-274	A7074	D									Y	HWIS	
1293	200-E	299-E33-277	A7076	D									Y	HWIS	
1294	200-E	299-E33-28	A4852	D, G	DN, GG, NT	Virtual Library							Y	HWIS	
1295	200-E	299-E33-286	A7082	D	GG, MO, SG				Field Rad				Y	HWIS	
1296	200-E	299-E33-287	A7083	D	GG, MO, SG				Field Rad				Y	HWIS	
1297	200-E	299-E33-288	A7084	D	GG, MO, SG				Field Rad				Y	HWIS	
1298	200-E	299-E33-289	A7085	D	GG, MO, SG				Field Rad				Y	HWIS	
1299	200-E	299-E33-29	A4853	D, G	DN, GG, NT	Virtual Library							Y		
1300	200-E	299-E33-290	A7086	D	GG, MO, SG				Field Rad				Y	HWIS	
1301	200-E	299-E33-291	A7087	D										HWIS	
1302	200-E	299-E33-292	A7088	D										HWIS	
1303	200-E	299-E33-293	A7089	D										HWIS	
1304	200-E	299-E33-294	A7090	D										HWIS	
1305	200-E	299-E33-295	A7091	D										HWIS	
1306	200-E	299-E33-296	A7092	G	SG	Y	Y	Y		SpG, Por, Bden			Y	Hoffman 1992; HWIS	200-BP-1
1307	200-E	299-E33-297	A7093	G	SG									HWIS	200-BP-1
1308	200-E	299-E33-298	A7094	G	SG									HWIS	200-BP-1
1309	200-E	299-E33-299	A7095	G	SG									HWIS	200-BP-1
1310	200-E	299-E33-2A							Lab Rad					Haney 1967	
1311	200-E	299-E33-3	A4854	D	DN, GG, NT, SG									HWIS	
1312	200-E	299-E33-30	A4855	D, G	DN, GG, NT	Virtual Library			TC, IC, TOC	%GSSC, XRF			Y	Schramke 1988; Ames and Serne 1991	
1313	200-E	299-E33-300	A7096	G	SG									HWIS	200-BP-1
1314	200-E	299-E33-301	A7097	G	SG									HWIS	200-BP-1
1315	200-E	299-E33-302	A7098	G	SG									HWIS	200-BP-1
1316	200-E	299-E33-303	A7099	G	SG									HWIS	200-BP-1
1317	200-E	299-E33-304	A7100	G	SG	Y	Y	Y		SpG, Por, Bden			Y	Hoffman 1992; HWIS	200-BP-1
1318	200-E	299-E33-305	A7101	G	SG									HWIS	200-BP-1
1319	200-E	299-E33-306	A7102	G	SG									HWIS	200-BP-1
1320	200-E	299-E33-307	A7103	G	SG	Y	Y	Y		SpG, Por, Bden				Hoffman 1992; HWIS	200-BP-1
1321	200-E	299-E33-308	A7104	D, G, Well summary	SG									HWIS	
1322	200-E	299-E33-309	A7105	D, G, Well summary	SG									HWIS	
1323	200-E	299-E33-31	A4856	G	GG, SG	Virtual Library		Y	Rad,TOC,An				Y	Pearson 1990	
1324	200-E	299-E33-310	A7106	G	SG									HWIS	200-BP-1
1325	200-E	299-E33-311	A7107	G	SG									HWIS	200-BP-1
1326	200-E	299-E33-312	A7108	G	SG									HWIS	200-BP-1
1327	200-E	299-E33-313	A7109	G										HWIS	200-BP-1
1328	200-E	299-E33-314	A7110	G										HWIS	200-BP-1
1329	200-E	299-E33-315	A7111	G										HWIS	200-BP-1
1330	200-E	299-E33-316	A7112	G										HWIS	200-BP-1
1331	200-E	299-E33-317	A7113	G										HWIS	200-BP-1
1332	200-E	299-E33-318	A7114	G										HWIS	200-BP-1
1333	200-E	299-E33-32	A4857	G	GG, SG	Virtual Library		Y	Field Rad				Y	Pearson 1990	
1334	200-E	299-E33-320	A7116	G										HWIS	200-BP-1
1335	200-E	299-E33-321	A7117	G										HWIS	200-BP-1
1336	200-E	299-E33-322	A7118	G										HWIS	200-BP-1

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1337	200-E	299-E33-323	A7119	G										HWIS	200-BP-1
1338	200-E	299-E33-324	A7120		GG, SG										
1339	200-E	299-E33-325	A7121		GG, SG										
1340	200-E	299-E33-326	A7122		SG										
1341	200-E	299-E33-327	A7123		GG, SG										
1342	200-E	299-E33-328	A7124		SG										
1343	200-E	299-E33-329	A9942		GG										
1344	200-E	299-E33-33	A4858	G	GG	Virtual Library		Y	Field Rad, PID				Y	Pearson 1990	
1345	200-E	299-E33-331	A9944		SG										
1346	200-E	299-E33-332	A9945		GG, SG										
1347	200-E	299-E33-333	B8079	G		Y	Y	Y	Field Rad, Metals, An, VOA, SVOA, Lab Rad,	Bden, SpG, CEC, Pden				Rohay and Weekes 1998	
1348	200-E	299-E33-334	B8810	G	NT, SG			Y					Y	Horton 2000	
1349	200-E	299-E33-335	B8811	G	NT							Paleomag	Y	Horton 2000a; Bjornstad et al. 2001	
1350	200-E	299-E33-336	B8908		SG										
1351	200-E	299-E33-337	C3390	G	NT, SG	Y							Y	Horton 2002d	
1352	200-E	299-E33-338	C3391	G	NT, SG	Y							Y	Horton 2002d	
1353	200-E	299-E33-339	C3392	G	NT, SG	Y							Y	Horton 2002d	
1354	200-E	299-E33-34	A4859	G	GG			Y	An, Rad, TOC, VOA				Y	Barton 1990	
1355	200-E	299-E33-35	A4860	G	GG			Y	An,Rad,TOC, VOA				Y	Barton 1990	
1356	200-E	299-E33-36	A4861	G	GG								Y		
1357	200-E	299-E33-37	A4862	G	GG								Y		
1358	200-E	299-E33-38	A4863	G	GG, NT, SG	Y	Y	Y		SpG, Bden, Por			Y	Hoffman 1992	200-BP-1
1359	200-E	299-E33-39	A4864	G	GG, SG	Y	Y	Y		SpG, Bden, Por			Y	Hoffman 1992	200-BP-1
1360	200-E	299-E33-3A							Lab Rad					Haney 1967	
1361	200-E	299-E33-4	A4865	D	DN, GG, NT, SG	Virtual Library	Virtual Library		pH	CEC, %GSSC, 15-Atm			Y	McHenry 1957	
1362	200-E	299-E33-40	A4866	G	GG, SG	Y	Y	Y		SpG, Bden, Por			Y	Hoffman 1992	200-BP-1
1363	200-E	299-E33-41	A4867	G	GG, SG								Y		
1364	200-E	299-E33-42	A4868	G	GG, SG	Y	Y	Y	Field Rad				Y	Caggiano 1993	
1365	200-E	299-E33-43	A4869	G	GG, SG	Y	Y	Y	Field Rad				Y	Caggiano 1993	
1366	200-E	299-E33-44	B8554	G	MO, SG	Y		Y	1:01	CEC, Cond			Y	Horton and Narbutovskih 1999	
1367	200-E	299-E33-45	C3269	G	GG, SG								Y*	Lindsey et al. 2001	Backfilled
1368	200-E	299-E33-46	C3360	G	MO, SG								Y*	Lindsey et al. 2001	
1369	200-E	299-E33-47	C4259	G, Well summary	SG									HWIS	
1370	200-E	299-E33-48	C4260	G, Well summary	SG									HWIS	
1371	200-E	299-E33-49	C4261	G, Well summary	NT, SG									HWIS	
1372	200-E	299-E33-4A							Lab Rad					Haney 1967	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1373	200-E	299-E33-5	A4870	D	DN, GG, MO, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1374	200-E	299-E33-51	A6859	G	GG									HWIS	
1375	200-E	299-E33-52	A6860	D	GG									HWIS	
1376	200-E	299-E33-53	A6861	D	GG									HWIS	
1377	200-E	299-E33-54	A6862	D	GG									HWIS	
1378	200-E	299-E33-55	A6863	D	GG									HWIS	
1379	200-E	299-E33-56	A6864	D	GG									HWIS	
1380	200-E	299-E33-57	A6865	D	GG										
1381	200-E	299-E33-58	A6866	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	1 ft Sieve/CaCO3 interval 20-50 ft
1382	200-E	299-E33-59	A6867	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	1 ft Sieve/CaCO3 interval 20-50 ft
1383	200-E	299-E33-6	A6852	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1384	200-E	299-E33-60	A6868	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	1 ft Sieve/CaCO3 interval 20-50 ft
1385	200-E	299-E33-61	A6869	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1386	200-E	299-E33-62	A6870	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1387	200-E	299-E33-63	A6871	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1388	200-E	299-E33-64	A6872	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1389	200-E	299-E33-65	A6873	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1390	200-E	299-E33-66	A6874	D	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
1391	200-E	299-E33-67	A6875	D	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
1392	200-E	299-E33-68	A6876	D	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
1393	200-E	299-E33-69	A6877	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1394	200-E	299-E33-7	A4871	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1395	200-E	299-E33-70	A6878	D	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
1396	200-E	299-E33-71	A6879	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1397	200-E	299-E33-72	A6880	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1398	200-E	299-E33-73	A6881	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1399	200-E	299-E33-74	A6882	D	DN, GG, NT, SG	Virtual Library	Virtual Library							HWIS	
1400	200-E	299-E33-75	A6883	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1401	200-E	299-E33-76	A6884	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1402	200-E	299-E33-77	A6885	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1403	200-E	299-E33-78	A6886	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1404	200-E	299-E33-79	A6887	D	SG									HWIS	
1405	200-E	299-E33-8	A4872	D	DN, GG, MO, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1406	200-E	299-E33-80	A6888	D										HWIS	
1407	200-E	299-E33-81	A6889	D	SG									HWIS	
1408	200-E	299-E33-82	A6890	D	SG									HWIS	
1409	200-E	299-E33-83	A6891	D									Y	HWIS	
1410	200-E	299-E33-84	A6892	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1411	200-E	299-E33-85	A6893	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1412	200-E	299-E33-86	A6894	D	GG	Virtual Library	Virtual Library							HWIS	
1413	200-E	299-E33-87	A6895	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1414	200-E	299-E33-88	A6896	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1415	200-E	299-E33-89	A6897	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1416	200-E	299-E33-9	A4873	D	GG	Virtual Library	Virtual Library		pH	CEC, %GSSC, 15-Atm			Y	McHenry 1957	
1417	200-E	299-E33-90	A6898	D	DN, GG, NT				Field Rad					HWIS	
1418	200-E	299-E33-91	A6899	D	GG				Field Rad					HWIS	
1419	200-E	299-E33-92	A6900	D					Field Rad					HWIS	
1420	200-E	299-E33-93	A6901	D					Field Rad					HWIS	
1421	200-E	299-E33-94	A6902	D					Field Rad				Y	HWIS	
1422	200-E	299-E33-95	A6903	D		Virtual Library	Virtual Library						Y	HWIS	
1423	200-E	299-E33-96	A6904	D									Y	HWIS	
1424	200-E	299-E33-97	A6905	D		Virtual Library	Virtual Library						Y	HWIS	
1425	200-E	299-E33-98	A6906	D									Y	HWIS	
1426	200-E	299-E33-99	A6907	D		Virtual Library	Virtual Library						Y	HWIS	
1427	200-E	299-E34-1	A4874	D	GG, NT, TP	Virtual Library	Virtual Library						Y		
1428	200-E	299-E34-10	A4875	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993b	
1429	200-E	299-E34-11	A4876	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993a	
1430	200-E	299-E34-12	A5433	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993a	
1431	200-E	299-E34-2	A4877	D, G	DN, GG, NT	Virtual Library			XRF,TC, IC, TOC	%GSSC, CEC	XRD		Y	PNNL files; Last et al. 1989; Schramke 1988; Ames and Serne 1991	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1432	200-E	299-E34-3	A4878	G	DN, GG, NT				TC, IC, TOC	%GSSC, CEC			Y	Schramke 1988; Ames and Serne 1991	
1433	200-E	299-E34-4	A4879	D, G	DN, GG, NT	Virtual Library							Y	HWIS	
1434	200-E	299-E34-5	A4880	D, G	DN, GG, NT	Virtual Library							Y	HWIS	
1435	200-E	299-E34-51A	A7125	D										HWIS	
1436	200-E	299-E34-51B	A7126	D										HWIS	
1437	200-E	299-E34-51C	A7127	D										HWIS	
1438	200-E	299-E34-51D	A7128	D										HWIS	
1439	200-E	299-E34-51E	A7129	D										HWIS	
1440	200-E	299-E34-6	A4881	D, G	DN, GG, NT	Virtual Library		Y					Y	Last et al. 1989	
1441	200-E	299-E34-7	A4882	G	GG				An, Rad, TOC, VOA				Y	Goodwin and Bjornstad 1990	
1442	200-E	299-E34-8	A4883	G	GG								Y		
1443	200-E	299-E34-9	A4884	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993b	
1444	200-E	299-E35-1	A4885	G	GG	Virtual Library	Virtual Library	Y	An, Rad, TOC, VOA				Y	Goodwin and Bornstad 1990	
1445	200-E	299-E35-2	A4886	G	GG	Virtual Library	Virtual Library	Y	Field pH, XRF	SpG, %GSSC	XRD		Y	Doremus and Pearson 1990; Sweeney 1993b; Sweeney 1994	
1446	200-E	399-E33-319		G										HWIS	200-BP-1
1447	200-E	B2469	B2469		GG, MO, SG										
1448	200-E	B2470	B2470		MO, SG										
1449	200-E	B8501	B8501	As-built	MO, SG									HWIS	
1450	200-E	B8502	B8502	As-built	MO, SG									HWIS	
1451	200-E	B8826	B8826	G	NT, SG			Y	An, Metals, LabRad	Bden, %GSSC				DOE, 2004b	216-A-29
1452	200-E	B8827	B8827	G	NT, SG			Y	An, Metals, LabRad	Bden, %GSSC				DOE, 2004b	216-A-29
1453	200-E	C3103	C3103	G	NT, SG					Bden				Todd and Trice 2002; HWIS	
1454	200-E	C3104	C3104	G						Bden				Todd and Trice 2002; HWIS	
1455	200-E	c3245	C3245	G	NT, SG	Y		Y	metals, anions, VOA, SVOA, numerous radionuclides					Hulstrom 2004; DOE 2004a	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1456	200-E	C3246	C3246	G	NT, SG	Y		Y	metals, anions, VOA, SVOA, numerous radionuclides					Hulstrom 2004; DOE 2004a	
1457	200-E	C3247	C3247	G		Y		Y	metals, anions, VOA, SVOA, numerous radionuclides					Hulstrom 2004; DOE 2004a	
1458	200-E	C3248	C3248	G		Y		Y	metals, anions, VOA, SVOA, numerous radionuclides					Hulstrom 2004; DOE 2004a	
1459	200-E	C3340	C3340	Well Summary										Todd and Trice 2002; HWIS	
1460	200-E	C3341	C3341	Well Summary										Todd and Trice 2002; HWIS	
1461	200-E	C3342	C3342	Well Summary										Todd and Trice 2002; HWIS	
1462	200-E	C3344	C3344	Well Summary										Todd and Trice 2002; HWIS	
1463	200-E	C4069	C4069		SG										
1464	200-E	C4070	C4070		SG										
1465	200-E	C4071	C4071		SG										
1466	200-E	C4106	C4106	G, As-built	NT, SG									HWIS	
1467	200-E	C4160	C4160	G	NT, SG									HWIS	216-A-36B
1468	200-E	C4174	C4174	G, As-built	NT, SG									HWIS	
1469	200-E	C4191	C4191	G, As-built	NT, SG									HWIS	
1470	200-E	C4192	C4192	As-built	NT, SG									HWIS	
1471	200-E	C4193	C4193	As-built	NT, SG									HWIS	
1472	200-E	C4194	C4194	As-built	NT, SG									HWIS	
1473	200-E	C4195	C4195	As-built	NT, SG									HWIS	
1474	200-E	C4196	C4196	As-built	NT, SG									HWIS	
1475	200-E	C4197	C4197	As-built	NT, SG									HWIS	
1476	200-E	C4297			NT, SG										
1477	200-E	C4671	C4671		NT, SG										
1478	200-E	S-1		G				Y	1:1 anions					Last and Caldwell 2001	Sisson and Lu site
1479	200-E	S-2		G				Y	1:1 anions					Last and Caldwell 2001	Sisson and Lu site
1480	200-E	S-3		G				Y	1:1 anions					Last and Caldwell 2001	Sisson and Lu site
1481	200-E	WL-10		G		% < 0.053 mm		Y	1:1 anions					Last et al. 2001	Sisson and Lu site

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1482	200-E	WL-11		G		% < 0.053 mm		Y	1:1 anions					Last et al. 2001	Sisson and Lu site
1483	200-E	WL-12		G		% < 0.053 mm		Y	1:1 anions					Last et al. 2001	Sisson and Lu site
1484	200-E	WL-3A		G		% < 0.053 mm		Y	1:1 anions					Last et al. 2001	Sisson and Lu site
1485	200-E	WL-4		G		% < 0.053 mm		Y	1:1 anions					Last et al. 2001	Sisson and Lu site
1486	200-E	WL-5		G		% < 0.053 mm		Y	1:1 anions					Last et al. 2001	Sisson and Lu site
1487	200-E	WL-6		G		% < 0.053 mm		Y	1:1 anions					Last et al. 2001	Sisson and Lu site
1488	200-E	WL-7		G		% < 0.053 mm		Y	1:1 anions					Last et al. 2001	Sisson and Lu site
1489	200-E	WL-8		G		% < 0.053 mm		Y	1:1 anions					Last et al. 2001	Sisson and Lu site
1490	200-E	WL-9		G		% < 0.053 mm		Y	1:1 anions					Last et al. 2001	Sisson and Lu site
1491	200-W	299-W10-1	A7136	D	DN, GG, NT, TP	Virtual Library	Virtual Library		Rad Info.				Y	PNNL files	
1492	200-W	299-W10-10	A4887	D		Virtual Library							Y	HWIS	
1493	200-W	299-W10-101	A7191	D		Virtual Library	Virtual Library						Y	HWIS	
1494	200-W	299-W10-102	A7192	D	GG				Field Rad				Y	HWIS	
1495	200-W	299-W10-103	A7193	D					Field Rad					HWIS	
1496	200-W	299-W10-104	A7194	D		Virtual Library	Virtual Library						Y	HWIS	
1497	200-W	299-W10-105	A7195	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1498	200-W	299-W10-106	A7196	D					Field Rad, Lab Rad				Y	ARH-2874	
1499	200-W	299-W10-107	A7197	D					Field Rad, Lab Rad				Y	ARH-2874	
1500	200-W	299-W10-108	A7198	D					Field Rad, Lab Rad				Y	ARH-2874	
1501	200-W	299-W10-109	A7199	D		Virtual Library			Field Rad, Lab Rad				Y	ARH-2874	
1502	200-W	299-W10-11	A4888	D		Virtual Library							Y	HWIS	
1503	200-W	299-W10-110	A7200	D	GG				Field Rad, Lab Rad					ARH-2874	
1504	200-W	299-W10-111	A7201	D	GG				Field Rad, Lab Rad					ARH-2874	
1505	200-W	299-W10-112	A7202	D		Virtual Library	Virtual Library						Y	HWIS	
1506	200-W	299-W10-113	A7203	D		Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1507	200-W	299-W10-114	A7204	D					Field Rad, Lab Rad				Y	ARH-2874	
1508	200-W	299-W10-115	A7205	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1509	200-W	299-W10-116	A7206	D		Virtual Library			Field Rad				Y	HWIS	
1510	200-W	299-W10-117	A7207	D					Field Rad, Lab Rad				Y	ARH-2874	
1511	200-W	299-W10-118	A7208	D					Field Rad, Lab Rad				Y	ARH-2874	
1512	200-W	299-W10-119	A7209	D					Field Rad, Lab Rad					ARH-2874	
1513	200-W	299-W10-12	A4889	D										HWIS	
1514	200-W	299-W10-120	A7210	D		Y	Y						Y	HWIS	
1515	200-W	299-W10-121	A7211	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1516	200-W	299-W10-122	A7212	D		Virtual Library	Virtual Library						Y	HWIS	
1517	200-W	299-W10-123	A7213	D		Virtual Library	Virtual Library						Y	HWIS	
1518	200-W	299-W10-124	A7214	D		Virtual Library	Virtual Library						Y	HWIS	
1519	200-W	299-W10-125	A7215	D		Virtual Library	Virtual Library						Y	HWIS	
1520	200-W	299-W10-126	A7216	D		Virtual Library	Virtual Library						Y	HWIS	
1521	200-W	299-W10-127	A7217	D		Virtual Library	Virtual Library						Y	HWIS	
1522	200-W	299-W10-128	A7218	D		Virtual Library	Virtual Library						Y	HWIS	
1523	200-W	299-W10-129	A7219	D		Virtual Library	Virtual Library						Y	HWIS	
1524	200-W	299-W10-13	A4890	G	DN, GG, NT			Y	TC, IC, TOC, XRF	CEC, %GSSC	XRD			Bjornstad 1990; Schramke 1988; Ames and Serne 1991	
1525	200-W	299-W10-130	A7220	D		Virtual Library	Virtual Library						Y	HWIS	
1526	200-W	299-W10-133	A7223	D		Virtual Library	Virtual Library						Y	HWIS	
1527	200-W	299-W10-134	A7224	D		Virtual Library	Virtual Library						Y	HWIS	
1528	200-W	299-W10-135	A7225	D		Virtual Library	Virtual Library						Y	HWIS	
1529	200-W	299-W10-136	A7226	D		Virtual Library	Virtual Library						Y	HWIS	
1530	200-W	299-W10-137	A7227	D		Virtual Library	Virtual Library							HWIS	
1531	200-W	299-W10-138	A7228	D		Virtual Library	Virtual Library						Y	HWIS	
1532	200-W	299-W10-139	A7229	D		Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1533	200-W	299-W10-14	A4891	G	DN, GG, NT			Y	TC, IC, TOC, XRF	CEC				Bjornstad 1990; Schramke 1988; Ames and Serne 1991	
1534	200-W	299-W10-140	A7230	D		Virtual Library	Virtual Library						Y	HWIS	
1535	200-W	299-W10-141	A7231	D		Virtual Library	Virtual Library						Y	HWIS	
1536	200-W	299-W10-142	A7232	D		Virtual Library	Virtual Library						Y	HWIS	
1537	200-W	299-W10-143	A7233	D		Virtual Library	Virtual Library						Y	HWIS	
1538	200-W	299-W10-144	A7234	D		Virtual Library	Virtual Library						Y	HWIS	
1539	200-W	299-W10-145	A7235	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1540	200-W	299-W10-146	A7236	D									Y	HWIS	
1541	200-W	299-W10-147	A7237	D		Virtual Library	Virtual Library						Y	HWIS	
1542	200-W	299-W10-148	A7238	D		Virtual Library	Virtual Library				XRD, SEM, EM		Y	Routson et al. 1979; Ames 1976	
1543	200-W	299-W10-149	A7239	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1544	200-W	299-W10-15	A4892	G	GG	Y		Y	YL				Y	Pearson 1990	
1545	200-W	299-W10-150	A7240	D					Field Rad				Y	HWIS	
1546	200-W	299-W10-151	A7241	D									Y	HWIS	
1547	200-W	299-W10-152	A7242	D									Y	HWIS	
1548	200-W	299-W10-153	A7243	D									Y	HWIS	
1549	200-W	299-W10-154	A7244	D									Y	HWIS	
1550	200-W	299-W10-16	A4893	G	GG	Y		Y	YL				Y	Pearson 1990	
1551	200-W	299-W10-161	A7245	D										HWIS	
1552	200-W	299-W10-162	A7246	D		Virtual Library	Virtual Library						Y	HWIS	
1553	200-W	299-W10-164	A7247	D, G				Y	Field Rad				Y	HWIS	Moisture data in geologic logs
1554	200-W	299-W10-165	A7248	D, G				Y	Field Rad				Y	HWIS	Moisture data in geologic logs
1555	200-W	299-W10-166	A7249	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1556	200-W	299-W10-167	A7250	D	GG	Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1557	200-W	299-W10-168	A7251	D					Field Rad				Y	HWIS	
1558	200-W	299-W10-17	A4894	G	GG	Y	Y	Y					Y	Caggiano 1992	
1559	200-W	299-W10-176	A7255	D					Field Rad				Y	HWIS	
1560	200-W	299-W10-177	A7256	D					Field Rad				Y	HWIS	
1561	200-W	299-W10-178	A7257	D					Field Rad				Y	HWIS	
1562	200-W	299-W10-179	A7258	D					Field Rad					HWIS	
1563	200-W	299-W10-18	A4895	G	GG	Y	Y	Y					Y	Caggiano 1992	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1564	200-W	299-W10-180	A7259	D									Y	HWIS	
1565	200-W	299-W10-181	A7260	D									Y	HWIS	
1566	200-W	299-W10-182	A7261	D									Y	HWIS	
1567	200-W	299-W10-183	A7262	D									Y	HWIS	
1568	200-W	299-W10-184	A7263	D									Y	HWIS	
1569	200-W	299-W10-185	A7264	D										HWIS	
1570	200-W	299-W10-186	A7265	D									Y	HWIS	
1571	200-W	299-W10-187	A7266	D									Y	HWIS	
1572	200-W	299-W10-188	A7267	D									Y	HWIS	
1573	200-W	299-W10-189	A7268	D					Field Rad				Y	HWIS	
1574	200-W	299-W10-19	A5438	G	GG		Y	Y	Field Rad				Y	Mercer 1993a	
1575	200-W	299-W10-190	A7269	D					Field Rad				Y	HWIS	
1576	200-W	299-W10-191	A7270	D					Field Rad					HWIS	
1577	200-W	299-W10-196	A7274	G	SG	Y			Metals, Lab Rad, An, VOA, SVOA					Freeman-Pollard 1994; see R. Khaleel or G. Freeman for sieve data	
1578	200-W	299-W10-2	A4896	D	DN, GG, NT, TP	Virtual Library							Y	HWIS	
1579	200-W	299-W10-20	A5439	G	GG, SG	Y	Y	Y		Bden, por, %GSSC			Y	Mercer 1994	
1580	200-W	299-W10-21	A5440	G	GG, MG, SG	Y	Y	Y					Y	Mercer 1994	
1581	200-W	299-W10-22	A9890	G	GG, SG				Metals					Alexander et al. 1995	
1582	200-W	299-W10-23	B8545	G	SG				1:1, TIC				Y	Horton and Hodges 1999c	
1583	200-W	299-W10-24	B8546	G	SG								Y	HWIS	
1584	200-W	299-W10-26	B8548	G	SG	Y		Y	1:01	Cond			Y	Horton and Hodges 1999a	
1585	200-W	299-W10-27	C3125	G	NT, SG							Paleomag	Y	Pluhar 2002	
1586	200-W	299-W10-28	C3400	G									Y	Horton 2002a	
1587	200-W	299-W10-3	A4897	D	DN, GG, NT	Virtual Library	Virtual Library		pH	CEC, %GSSC, 15-Atm			Y	McHenry 1957	
1588	200-W	299-W10-4	A7137	D	DN, GG, NT	Virtual Library	Virtual Library		Field Rad				Y	HWIS	
1589	200-W	299-W10-5	A4898	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1590	200-W	299-W10-51	A7141	D	GG									HWIS	
1591	200-W	299-W10-52	A7142	D	GG									HWIS	
1592	200-W	299-W10-53	A7143	D	GG	Virtual Library								HWIS	
1593	200-W	299-W10-54	A7144	D	GG									HWIS	
1594	200-W	299-W10-55	A7145	D										HWIS	
1595	200-W	299-W10-56	A7146	D, G	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1596	200-W	299-W10-57	A7147	D, G	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1597	200-W	299-W10-58	A7148	D, G	DN, GG, NT	Virtual Library	Virtual Library		Field Rad				Y	PNNL files	
1598	200-W	299-W10-59	A7149	D, G	GG, NT	Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1599	200-W	299-W10-6	A7138	As-built, Well Summary										HWIS	Abandoned?
1600	200-W	299-W10-60	A7150	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1601	200-W	299-W10-61	A7151	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1602	200-W	299-W10-62	A7152	D, G	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1603	200-W	299-W10-63	A7153	D, G	GG, NT								Y	HWIS	
1604	200-W	299-W10-64	A7154	D, G	GG, NT				Field Rad				Y	PNNL files	
1605	200-W	299-W10-65	A7155	D, G	GG, NT								Y	HWIS	
1606	200-W	299-W10-66	A7156	D, G	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1607	200-W	299-W10-67	A7157	D, G	DN, GG	Virtual Library	Virtual Library						Y	HWIS	
1608	200-W	299-W10-68	A7158	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1609	200-W	299-W10-69	A7159	D, G	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1610	200-W	299-W10-7	A7139	As-built										HWIS	Abandoned?
1611	200-W	299-W10-70	A7160	D, G	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1612	200-W	299-W10-71	A7161	D, G	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1613	200-W	299-W10-72	A7162	D, G	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1614	200-W	299-W10-73	A7163	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1615	200-W	299-W10-74	A7164	D, G	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1616	200-W	299-W10-75	A7165	D, G	DN, GG, NT								Y	HWIS	
1617	200-W	299-W10-76	A7166	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1618	200-W	299-W10-77	A7167		GG										
1619	200-W	299-W10-78	A7168		GG										
1620	200-W	299-W10-79	A7169		GG										
1621	200-W	299-W10-8	A4899	D		Virtual Library	Virtual Library						Y	HWIS	
1622	200-W	299-W10-80	A7170	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1623	200-W	299-W10-81	A7171		GG, NT										
1624	200-W	299-W10-82	A7172	D	GG								Y	HWIS	
1625	200-W	299-W10-83	A7173	D	GG								Y	HWIS	
1626	200-W	299-W10-88	A7178	D									Y	HWIS	
1627	200-W	299-W10-89	A7179	D									Y	HWIS	
1628	200-W	299-W10-9	A4900	D		Virtual Library							Y	HWIS	
1629	200-W	299-W10-90	A7180	D									Y	HWIS	
1630	200-W	299-W10-91	A7181	D									Y	HWIS	
1631	200-W	299-W10-92	A7182	D									Y	HWIS	
1632	200-W	299-W10-93	A7183	D									Y	HWIS	
1633	200-W	299-W10-94	A7184	D									Y	HWIS	
1634	200-W	299-W10-95	A7185	D									Y	HWIS	
1635	200-W	299-W10-96	A7186	D									Y	HWIS	
1636	200-W	299-W10-97	A7187	D									Y	HWIS	
1637	200-W	299-W10-98	A7188	D									Y	HWIS	
1638	200-W	299-W10-99	A7189	D									Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1639	200-W	299-W11-1	A7275	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1640	200-W	299-W11-10	A4901	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1641	200-W	299-W11-11	A7280	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1642	200-W	299-W11-12	A4902	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1643	200-W	299-W11-13	A5465	D	GG, TP								Y	HWIS	
1644	200-W	299-W11-14	A4903	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1645	200-W	299-W11-15	A7281	D	DN, GG, NT								Y	HWIS	
1646	200-W	299-W11-16	A7282	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1647	200-W	299-W11-17	A7283	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1648	200-W	299-W11-18	A7284	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1649	200-W	299-W11-19	A4904	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1650	200-W	299-W11-2	A7276	D, G	GG, TP	Virtual Library	Virtual Library		pH	CEC, %GSSC, 15-Atm			Y	McHenry 1957	
1651	200-W	299-W11-20	A7285	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1652	200-W	299-W11-21	A7286	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1653	200-W	299-W11-23	A4905	D		Virtual Library	Virtual Library						Y	HWIS	
1654	200-W	299-W11-24	A4906	D									Y	HWIS	
1655	200-W	299-W11-25B	C4669		SG										
1656	200-W	299-W11-26	A7287	D, G	DN, GG, NT, TP	Virtual Library	Virtual Library	Y		Bden, %GSSC	SEM, XRD	Paleomag	Y	Virtual Library 2000 (PPl only, includes description); Routson et al. 1979; Bjornstad 1984; Parker and Johnston 1979; Summers and Hanson 1977	DH-6
1657	200-W	299-W11-27	A4907	G	GG, SG	Y	Y	Y	Field Rad				Y	Caggiano 1993	
1658	200-W	299-W11-28	A4908	G	CP, GG, SG	Y	Y	Y	Field Rad				Y	Caggiano 1993	
1659	200-W	299-W11-29	A7288	G	GG				VOA					Weekes and Glaman 1995; Newcomer et al. 1995	
1660	200-W	299-W11-3	A5473	D, G	GG, NT	Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1661	200-W	299-W11-30	A7289	G	GG, SG				TC, TOC, IC, VOA					Weekes and Glaman 1995; Newcomer et al. 1995	
1662	200-W	299-W11-31	A5472	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993a	
1663	200-W	299-W11-32	A7290	G	GG, SG	Y			TC, TOC, IC, VOA, N, P, TFe/Fe2, ASi02	%GSSC, Pden, Bden, Por	XRD			Weekes and Glaman 1995; Newcomer et al. 1995	
1664	200-W	299-W11-33	A9827	G		Y				Pden, Cond				Weekes and Glaman 1995	
1665	200-W	299-W11-34	A9826	G		Y				Pden, Cond				Weekes and Glaman 1995	
1666	200-W	299-W11-35	A9924	G		Y				Pden, Cond				Weekes and Glaman 1995	
1667	200-W	299-W11-37	A9889	Well Summary	SG				Metals					Sweeney et al 1995; HWIS	
1668	200-W	299-W11-38	C3116	G	NT, SG								Y	Horton and Hodges 2001a	
1669	200-W	299-W11-39	C3117	G		Y						Paleomag	Y	Horton and Hodges 2001a; Pluhar 2002	
1670	200-W	299-W11-4	A7277	D	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1671	200-W	299-W11-40	C3118	G		Y							Y	Horton and Hodges 2001a	
1672	200-W	299-W11-41	C3119	G	NT, SG	Y							Y	Horton and Hodges 2001a	
1673	200-W	299-W11-42	C3242	G		Y							Y	Horton and Hodges 2001a	
1674	200-W	299-W11-5	A7278	D	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1675	200-W	299-W11-51	A7291	D	GG									HWIS	
1676	200-W	299-W11-52	A7293	D										HWIS	
1677	200-W	299-W11-53	A7294	D	GG									HWIS	
1678	200-W	299-W11-54	A7296	D, G	GG, NT, SG	Virtual Library	Virtual Library		Field Rad				Y	PNNL files	
1679	200-W	299-W11-55	A7297	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library		Field Rad				Y	PNNL files	
1680	200-W	299-W11-56	A7298	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library		Field Rad				Y	PNNL files	
1681	200-W	299-W11-57	A7299	D, G	GG, SG	Virtual Library	Virtual Library		Field Rad				Y	PNNL files	
1682	200-W	299-W11-58	A7300	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library		Field Rad				Y	PNNL files	
1683	200-W	299-W11-59	A7301	D, G	GG, SG				Field Rad					PNNL files	
1684	200-W	299-W11-6	A4909	D	GG, NT	Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1685	200-W	299-W11-60	A7302	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	PNNL files	
1686	200-W	299-W11-61	A7303	D, G	GG, SG	Virtual Library	Virtual Library		Field Rad				Y	PNNL files	
1687	200-W	299-W11-62	A7304	D, G	GG, SG	Virtual Library	Virtual Library		Field Rad				Y	PNNL files	
1688	200-W	299-W11-63	A7305	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1689	200-W	299-W11-64	A7306	D, G	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
1690	200-W	299-W11-65	A7307	D, G	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
1691	200-W	299-W11-66	A7308	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1692	200-W	299-W11-67	A7309	D	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
1693	200-W	299-W11-68	A7310	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
1694	200-W	299-W11-69	A7311	D	DN, GG, NT								Y	HWIS	
1695	200-W	299-W11-7	A4910	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1696	200-W	299-W11-70	A7312	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1697	200-W	299-W11-79	A7321	D	GG, SG				Field Rad				Y	HWIS	
1698	200-W	299-W11-8	A7279	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1699	200-W	299-W11-80	A7322	D	GG								Y	HWIS	
1700	200-W	299-W11-81	A7323	D	GG, SG				Field Rad				Y	HWIS	
1701	200-W	299-W11-82	A7324	D	GG, SG				Field Rad				Y	HWIS	
1702	200-W	299-W11-9	A4911	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1703	200-W	299-W12-1	A4912	D, As-built	GG, NT, TP									HWIS	
1704	200-W	299-W13-1	C4238	G	GG									Martinez 2004	200-ZP-1
1705	200-W	299-W14-1	A4913	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1706	200-W	299-W14-10	A7334	D	DN, GG, NT, TP								Y	HWIS	
1707	200-W	299-W14-11	C4668		GG										
1708	200-W	299-W14-12	A4914	G	GG, SG	Y	Y	Y					Y	Caggiano 1993	
1709	200-W	299-W14-13	B8549	G	SG			Y	1:01	Cond			Y	Horton and Hodges 1999a	
1710	200-W	299-W14-14	B8547	G	SG								Y	HWIS	
1711	200-W	299-W14-15	C3114	G		Y							Y	Horton and Hodges 2001b	
1712	200-W	299-W14-16	C3120	G		Y							Y	Horton and Hodges 2001b	
1713	200-W	299-W14-17	C3121	D	NT, SG		Y	Y	StIso	Bden, %GSSC				Horton and Hodges 2001b; Virtual Library 2000	
1714	200-W	299-W14-18	C3396	G									Y	Horton 2002b	
1715	200-W	299-W14-19	C3957	G	SG	Y							Y	Horton 2003b	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1716	200-W	299-W14-2	A7328	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1717	200-W	299-W14-3	A7329	D	DN, GG, NT, SG									HWIS	
1718	200-W	299-W14-4	A7330	D	DN, GG, NT, SG									HWIS	
1719	200-W	299-W14-5	A5475	D			Virtual Library						Y	HWIS	
1720	200-W	299-W14-51	A7335	D	GG, NT								Y	HWIS	
1721	200-W	299-W14-52	A7336		GG, NT										
1722	200-W	299-W14-53	A7337	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1723	200-W	299-W14-54	A7338	D									Y	HWIS	
1724	200-W	299-W14-55	A7339	D	DN								Y	HWIS	
1725	200-W	299-W14-56	A7340	D										HWIS	
1726	200-W	299-W14-57	A7341	D										HWIS	
1727	200-W	299-W14-58	A7342	D										HWIS	
1728	200-W	299-W14-59	A7343	D										HWIS	
1729	200-W	299-W14-6	A7331	D		Virtual Library	Virtual Library						Y	HWIS	
1730	200-W	299-W14-60	A7344	D										HWIS	
1731	200-W	299-W14-61	A7345	D										HWIS	
1732	200-W	299-W14-62	A7346	D	GG, SG				Field Rad				Y	HWIS	
1733	200-W	299-W14-63	A7347	D		Virtual Library	Virtual Library						Y	HWIS	
1734	200-W	299-W14-7	A5467	D, G		Virtual Library	Virtual Library					Date, Paleomag	Y	Baker et al. 1991; Bjornstad 1984	Open Hole 105-531', Filled w/Drilling Mud,
1735	200-W	299-W14-8		D, G	DN, GG, NT, TP	Virtual Library	Virtual Library					Paleomag	Y	Webster 1977	Parker and Johnston 1979
1736	200-W	299-W14-8A	A7332	D									Y	HWIS	
1737	200-W	299-W14-9	A4915	D	DN, GG, NT, SG, TP									HWIS	
1738	200-W	299-W15-1	A7348	D, G	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1739	200-W	299-W15-10	A4916	D	DN, GG, NT, OT, SG	Virtual Library							Y	HWIS	
1740	200-W	299-W15-100	A7399	D										HWIS	
1741	200-W	299-W15-101	A7400	D	GG, NT									HWIS	
1742	200-W	299-W15-102	A7401	D	GG, NT								Y	HWIS	
1743	200-W	299-W15-109	A7408	D										HWIS	
1744	200-W	299-W15-11	A5474	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1745	200-W	299-W15-110	A7409	D										HWIS	
1746	200-W	299-W15-111	A7410	D										HWIS	
1747	200-W	299-W15-112	A7411	D										HWIS	
1748	200-W	299-W15-113	A7412	D										HWIS	
1749	200-W	299-W15-114	A7413	D										HWIS	
1750	200-W	299-W15-115	A7414	D										HWIS	
1751	200-W	299-W15-116	A7415	D										HWIS	
1752	200-W	299-W15-117	A7416	D										HWIS	
1753	200-W	299-W15-118	A7417	D										HWIS	
1754	200-W	299-W15-119	A7418	D										HWIS	
1755	200-W	299-W15-12	A4917	D	TP	Virtual Library	Virtual Library						Y	HWIS	
1756	200-W	299-W15-120	A7419	D										HWIS	
1757	200-W	299-W15-121	A7420	D										HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1758	200-W	299-W15-122	A7421	D										HWIS	
1759	200-W	299-W15-123	A7422	D					Field Rad					HWIS	
1760	200-W	299-W15-124	A7423	D										HWIS	
1761	200-W	299-W15-125	A7424	D										HWIS	
1762	200-W	299-W15-126	A7425	D										HWIS	
1763	200-W	299-W15-127	A7426	D		Virtual Library	Virtual Library						Y	HWIS	
1764	200-W	299-W15-128	A7427	D		Virtual Library	Virtual Library						Y	HWIS	
1765	200-W	299-W15-129	A7428	D, G		Virtual Library	Virtual Library						Y	HWIS	
1766	200-W	299-W15-13	A4918	D		Virtual Library	Virtual Library						Y	HWIS	
1767	200-W	299-W15-130	A7429	D		Virtual Library	Virtual Library						Y	HWIS	
1768	200-W	299-W15-131	A7430	D		Virtual Library	Virtual Library						Y	HWIS	
1769	200-W	299-W15-132	A7431	D		Virtual Library	Virtual Library						Y	HWIS	
1770	200-W	299-W15-133	A7432	D		Virtual Library	Virtual Library						Y	HWIS	
1771	200-W	299-W15-134	A7433	D		Virtual Library	Virtual Library						Y	HWIS	
1772	200-W	299-W15-135	A7434	D									Y	HWIS	
1773	200-W	299-W15-136	A7435	D		Virtual Library	Virtual Library						Y	HWIS	
1774	200-W	299-W15-137	A7436	D		Virtual Library	Virtual Library						Y	HWIS	
1775	200-W	299-W15-138	A7437	D										HWIS	
1776	200-W	299-W15-139	A7438	D										HWIS	
1777	200-W	299-W15-14	A7350	D	TP	Virtual Library	Virtual Library	Y	StIso	Bden, %GSSC		Date, Paleomag		Virtual Library 2000 (PPl only, includes description); Baker et al. 1991; Parker and Johnston 1979	
1778	200-W	299-W15-140	A7439	D										HWIS	
1779	200-W	299-W15-141	A7440	D										HWIS	
1780	200-W	299-W15-142	A7441	D										HWIS	
1781	200-W	299-W15-143	A7442	D										HWIS	
1782	200-W	299-W15-144	A7443	D										HWIS	
1783	200-W	299-W15-145	A7444	D										HWIS	
1784	200-W	299-W15-146	A7445	D										HWIS	
1785	200-W	299-W15-147	A7446	D										HWIS	
1786	200-W	299-W15-148	A7447	D										HWIS	
1787	200-W	299-W15-149	A7448	D										HWIS	
1788	200-W	299-W15-15	A4919	D, G	DN, GG, NT	Virtual Library	Virtual Library	Y					Y	Last et al. 1989	
1789	200-W	299-W15-153	A7451	D									Y	HWIS	
1790	200-W	299-W15-154	A7452	D									Y	HWIS	
1791	200-W	299-W15-155	A7453	D		Virtual Library							Y	HWIS	
1792	200-W	299-W15-156	A7454	D									Y	HWIS	
1793	200-W	299-W15-158	A7456	D									Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1794	200-W	299-W15-159	A7457	D		Virtual Library							Y	HWIS	
1795	200-W	299-W15-16	A4920	D, G	DN, GG, NT	Virtual Library	Virtual Library	Y	TC, IC, TOC, XRF	CEC, %GSSC	XRD		Y	Last et al. 1989; Schramke 1988; Bjornstad et al. no date; Ames and Serne 1991	
1796	200-W	299-W15-160	A7458	D		Virtual Library							Y	HWIS	
1797	200-W	299-W15-161	A7459	D		Virtual Library							Y	HWIS	
1798	200-W	299-W15-162	A7460	D		Virtual Library							Y	HWIS	
1799	200-W	299-W15-163	A7461	D		Virtual Library							Y	HWIS	
1800	200-W	299-W15-164	A7462	D		Virtual Library							Y	HWIS	
1801	200-W	299-W15-165	A7463	D		Virtual Library								HWIS	
1802	200-W	299-W15-166	A7464	D		Virtual Library	Virtual Library						Y	HWIS	
1803	200-W	299-W15-167	A7465	D		Virtual Library							Y	HWIS	
1804	200-W	299-W15-168	A7466	D		Virtual Library	Virtual Library						Y	HWIS	
1805	200-W	299-W15-169	A7467	D		Virtual Library	Virtual Library						Y	HWIS	
1806	200-W	299-W15-17	A4921	D, G	DN, GG, NT	Virtual Library	Virtual Library		TC, IC, TOC, XRF	CEC	XRD		Y	Last et al. 1989; Schramke 1988; Bjornstad et al. no date; Ames and Serne 1991	
1807	200-W	299-W15-170	A7468	D		Virtual Library	Virtual Library						Y	HWIS	
1808	200-W	299-W15-171	A7469	D		Virtual Library	Virtual Library						Y	HWIS	
1809	200-W	299-W15-172	A7470	D		Virtual Library	Virtual Library						Y	HWIS	
1810	200-W	299-W15-173	A7471	D		Virtual Library	Virtual Library						Y	HWIS	
1811	200-W	299-W15-174	A7472	D		Virtual Library							Y	HWIS	
1812	200-W	299-W15-175	A7473	D		Virtual Library	Virtual Library						Y	HWIS	
1813	200-W	299-W15-176	A7474	D		Virtual Library	Virtual Library						Y	HWIS	
1814	200-W	299-W15-177	A7475	D		Virtual Library	Virtual Library						Y	HWIS	
1815	200-W	299-W15-178	A7476	D		Virtual Library							Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1816	200-W	299-W15-179	A7477	D		Virtual Library	Virtual Library						Y	HWIS	
1817	200-W	299-W15-18	A4922	D, G	DN, GG, NT	Virtual Library	Virtual Library	Y					Y	Last et al. 1989	
1818	200-W	299-W15-180	A7478	D		Virtual Library	Virtual Library						Y	HWIS	
1819	200-W	299-W15-181	A7479	D		Virtual Library	Virtual Library						Y	HWIS	
1820	200-W	299-W15-182	A7480	D		Virtual Library	Virtual Library						Y	HWIS	
1821	200-W	299-W15-183	A7481	D		Virtual Library	Virtual Library						Y	HWIS	
1822	200-W	299-W15-184	A7482	D		Virtual Library	Virtual Library						Y	HWIS	
1823	200-W	299-W15-185	A7483	D		Virtual Library	Virtual Library						Y	HWIS	
1824	200-W	299-W15-186	A7484	D		Virtual Library	Virtual Library						Y	HWIS	
1825	200-W	299-W15-187	A7485	D									Y	HWIS	
1826	200-W	299-W15-188	A7486	D									Y	HWIS	
1827	200-W	299-W15-189	A7487	D									Y	HWIS	
1828	200-W	299-W15-19	A4923	G	GG			Y	Y				Y	Goodwin 1990	
1829	200-W	299-W15-190	A7488	D									Y	HWIS	
1830	200-W	299-W15-191	A7489	D										HWIS	
1831	200-W	299-W15-192	A7490	D										HWIS	
1832	200-W	299-W15-193	A7491	D										HWIS	
1833	200-W	299-W15-194	A7492	D										HWIS	
1834	200-W	299-W15-195	A7493	D										HWIS	
1835	200-W	299-W15-196	A7494	D									Y	HWIS	
1836	200-W	299-W15-197	A7495	D									Y	HWIS	
1837	200-W	299-W15-198	A7496	D	SG	Virtual Library	Virtual Library						Y	HWIS	
1838	200-W	299-W15-199	A7497	D		Virtual Library	Virtual Library						Y	HWIS	
1839	200-W	299-W15-2	A5466	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1840	200-W	299-W15-20	A4924	G	GG			Y	Y				Y	Goodwin 1990	
1841	200-W	299-W15-200	A7498	D		Virtual Library	Virtual Library						Y	HWIS	
1842	200-W	299-W15-201	A7499	D		Virtual Library	Virtual Library						Y	HWIS	
1843	200-W	299-W15-202	A7500	D		Virtual Library	Virtual Library						Y	HWIS	
1844	200-W	299-W15-203	A7501	D				Y	Pu, Am				Y	Last et al. 1994	
1845	200-W	299-W15-204	A7502	D				Y	Pu, Am				Y	Last et al. 1994	
1846	200-W	299-W15-205	A7503	D					Pu, Am				Y	Last et al. 1994	
1847	200-W	299-W15-206	A7504	D					Pu, Am				Y	Last et al. 1994	
1848	200-W	299-W15-207	A7505	D										HWIS	
1849	200-W	299-W15-208	A7506	D									Y	HWIS	
1850	200-W	299-W15-209	A7507	D	GG, SG				Field Rad				Y	HWIS	
1851	200-W	299-W15-21	A7351	As-built	GG, SG									HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1852	200-W	299-W15-210	A7508	D	GG, SG				Field Rad				Y	HWIS	
1853	200-W	299-W15-211	A7509	D	GG, SG				Field Rad				Y	HWIS	
1854	200-W	299-W15-212	A7510	D	GG, SG								Y	HWIS	
1855	200-W	299-W15-213	A7511	D	SG									HWIS	
1856	200-W	299-W15-214	A7512		SG										
1857	200-W	299-W15-216	A7514	G	GG, SG	Y		Y	Metals, VOA, SVOA, An, Lab Rad	Bden, %GSSC				Rohay et al. 1994; Last and Rohay 1993; see R. Khaleel or G. Freemen for sieve data	
1858	200-W	299-W15-217	A7515	G	GG, SG	Y		Y	Metals, VOA, SVOA, An, Lab Rad	Bden, %GSSC				Rohay et al. 1994; Last and Rohay 1993; see R. Khaleel or G. Freemen for sieve data	
1859	200-W	299-W15-218	A7516	G	GG, SG	Y	Y	Y	VOA, SVOA, Metals, An, Rad					Rohay et al. 1994; Rohay et al. 1993; see R. Khaleel or G. Freeman for sieve data	
1860	200-W	299-W15-219	A7517	G	GG	Y	Y	Y	VOA, SVOA, Metals, An, Rad					Rohay et al. 1994; Rohay et al. 1993; see R. Khaleel or G. Freeman for sieve data	
1861	200-W	299-W15-22	A4925	G	GG	Y	Virtual Library	Y					Y	Caggiano 1992	
1862	200-W	299-W15-220	A7518	G	GG, SG	Y	Y	Y	VOA					Rohay et al. 1994; see R. Khaleel or G. Freeman for sieve data	
1863	200-W	299-W15-223	A7521	G	GG, SG	Y	Y	Y	VOA, SVOA, An, CN, Hg, Pb, Metals	Bden				Rohay et al. 1994; Rohay 1995	
1864	200-W	299-W15-23	A4926	G	GG			Y					Y	Barton 1990	
1865	200-W	299-W15-24	A4927	G	GG								Y	Barton 1990	
1866	200-W	299-W15-25	A9831	G	DN, GG, OT	Y	Y	Y	VOA					Weekes and Glaman 1995	
1867	200-W	299-W15-252				Y								Rohay et al. 1993	
1868	200-W	299-W15-29	B2409	G		Y								CH2M HILL files	
1869	200-W	299-W15-3	A4928	D	GG	Virtual Library							Y	HWIS	
1870	200-W	299-W15-30	B2410	G										CH2M HILL files	
1871	200-W	299-W15-31	B2411	G	SG									HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1872	200-W	299-W15-31A	B2471	G	MO									CH2M HILL files	
1873	200-W	299-W15-32	B2423	G										CH2M HILL files	
1874	200-W	299-W15-33	B2643	G										CH2M HILL files	
1875	200-W	299-W15-34	B2748	G										CH2M HILL files	
1876	200-W	299-W15-35	B2749	G										CH2M HILL files	
1877	200-W	299-W15-36	B2752	G										CH2M HILL files	
1878	200-W	299-W15-37	B2753	G										CH2M HILL files	
1879	200-W	299-W15-38	B2754	G										CH2M HILL files	
1880	200-W	299-W15-39	B2755	G										CH2M HILL files	
1881	200-W	299-W15-4	A4929	D	DN, GG, NT, SG, TP				Field Rad					HWIS	
1882	200-W	299-W15-40	B8550	G	SG			Y	1:01	Cond, CEC			Y	Horton and Hodges 1999a	
1883	200-W	299-W15-41	B8815	G	NT, SG								Y	HWIS	
1884	200-W	299-W15-42	C3803	G										Faurote 2002	
1885	200-W	299-W15-43	C3955	G	SG	Y							Y	Horton 2003c	
1886	200-W	299-W15-44	C3956	G	SG	Y							Y	Horton 2003a	
1887	200-W	299-W15-45	C4119	G										HWIS	
1888	200-W	299-W15-46	C3426	G	NT, SG									HWIS	
1889	200-W	299-W15-47	C4184	G										Martinez 2004	200-ZP-1
1890	200-W	299-W15-49	C4301	G, Well summary	SG									HWIS	
1891	200-W	299-W15-5	A4930	D	GG, NT, TP	Virtual Library	Virtual Library							HWIS	
1892	200-W	299-W15-51	A7352	D										HWIS	
1893	200-W	299-W15-52	A7353	D, G		Virtual Library	Virtual Library						Y	HWIS	
1894	200-W	299-W15-53	A7354	D, G		Virtual Library	Virtual Library						Y	HWIS	
1895	200-W	299-W15-54	A7355	D, G		Virtual Library	Virtual Library						Y	HWIS	
1896	200-W	299-W15-55	A7356	D, G									Y	HWIS	
1897	200-W	299-W15-56	A7357	D, G		Virtual Library	Virtual Library						Y	HWIS	
1898	200-W	299-W15-57	A7358	D, G		Virtual Library	Virtual Library						Y	HWIS	
1899	200-W	299-W15-58	A7359	D, G										HWIS	
1900	200-W	299-W15-59	A7360	D, G		Virtual Library	Virtual Library						Y	HWIS	
1901	200-W	299-W15-5O	A9473	D										HWIS	Piezometer
1902	200-W	299-W15-5P	A9474	D										HWIS	Piezometer
1903	200-W	299-W15-5Q	A9475	D										HWIS	Piezometer
1904	200-W	299-W15-5R	A9476	D										HWIS	Piezometer
1905	200-W	299-W15-5S	A9477	D										HWIS	Piezometer
1906	200-W	299-W15-6	A7349	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1907	200-W	299-W15-60	A7361	D, G									Y	HWIS	
1908	200-W	299-W15-61	A7362	D, G									Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1909	200-W	299-W15-62	A7363	D	DN, GG, NT, SG								Y	HWIS	
1910	200-W	299-W15-63	A7364	As-built	DN, GG, NT, SG								Y	HWIS	
1911	200-W	299-W15-64	A7365	D	DN, GG, NT, SG								Y	HWIS	
1912	200-W	299-W15-65	A7366		DN, GG, NT										
1913	200-W	299-W15-66	A7367	D	DN, GG, NT								Y	HWIS	
1914	200-W	299-W15-67	A7368	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1915	200-W	299-W15-68	A7369	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1916	200-W	299-W15-69	A7370	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1917	200-W	299-W15-7	A5476	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1918	200-W	299-W15-70	A7371	D, G		Virtual Library	Virtual Library						Y	HWIS	
1919	200-W	299-W15-71	A7372	D, G		Virtual Library	Virtual Library						Y	HWIS	
1920	200-W	299-W15-72	A7373	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1921	200-W	299-W15-73	A7374	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1922	200-W	299-W15-74	A7375	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1923	200-W	299-W15-75	A7376	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
1924	200-W	299-W15-76	A7377	D, G	DN, GG, MO, NT, SG	Virtual Library							Y	HWIS	
1925	200-W	299-W15-763	C3339	G		Y							Y	Horton and Hodges 2001b	
1926	200-W	299-W15-764	C3494	G										Faurote 2002	
1927	200-W	299-W15-765	C3397	G	NT, SG								Y	Horton 2002b	
1928	200-W	299-W15-77	A7378	D	DN, GG, MO, NT, SG	Virtual Library							Y	HWIS	
1929	200-W	299-W15-78	A7379	D	DN, GG, MO, NT, SG								Y	HWIS	
1930	200-W	299-W15-79	A7380	D	GG	Virtual Library							Y	HWIS	
1931	200-W	299-W15-8	A5468	D	CP, DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1932	200-W	299-W15-80	A7381	D	GG, SG								Y	HWIS	
1933	200-W	299-W15-81	A7382	D	GG, SG								Y	HWIS	
1934	200-W	299-W15-82	A7383	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1935	200-W	299-W15-83	C4683		GG										
1936	200-W	299-W15-84	A7384	D, G	CP, DN, GG, NT, SG								Steve	CH2M HILL 2001	
1937	200-W	299-W15-85	A7385	D	DN, GG, NT, SG									HWIS	
1938	200-W	299-W15-86	A7386	D	CP, GG, MG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
1939	200-W	299-W15-9	A5477	D	CP, DN, GG, NT, SG									HWIS	
1940	200-W	299-W15-92	A7392	D	GG, NT									HWIS	
1941	200-W	299-W15-94	C4684	D	GG	Virtual Library	Virtual Library						Y	HWIS	
1942	200-W	299-W15-95	A7394	D, G	DN, GG, NT, SG									CH2M HILL 2001	
1943	200-W	299-W15-96	A7395	D	GG	Y								Rohay et al. 1993	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1944	200-W	299-W15-97	A7396	D										HWIS	
1945	200-W	299-W15-98	A7397	D										HWIS	
1946	200-W	299-W15-99	A7398	D										HWIS	
1947	200-W	299-W17-1	C4237	G										Martinez 2004	200-ZP-1
1948	200-W	299-W18-1	A5481	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
1949	200-W	299-W18-10	A4931	D	CP, DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
1950	200-W	299-W18-100	A7583	D		Virtual Library	Virtual Library						Y	HWIS	
1951	200-W	299-W18-101	A7584	D									Y	HWIS	
1952	200-W	299-W18-102	A7585	D		Virtual Library	Virtual Library						Y	HWIS	
1953	200-W	299-W18-103	A7586	D		Virtual Library	Virtual Library						Y	HWIS	
1954	200-W	299-W18-104	A7587	D		Virtual Library	Virtual Library						Y	HWIS	
1955	200-W	299-W18-105	A7588	D		Virtual Library	Virtual Library						Y	HWIS	
1956	200-W	299-W18-107	A7590	D									Y	HWIS	
1957	200-W	299-W18-109	A7592	D		Virtual Library	Virtual Library						Y	HWIS	
1958	200-W	299-W18-11	A7527	D	CP, DN, GG, NT, SG								Y	HWIS	
1959	200-W	299-W18-110	A7593	D		Virtual Library	Virtual Library						Y	HWIS	
1960	200-W	299-W18-111	A7594	D										HWIS	
1961	200-W	299-W18-113	A7596	D		Virtual Library	Virtual Library		Field Rad in logs				Y	PNNL files	
1962	200-W	299-W18-114	A7597	D									Y	HWIS	
1963	200-W	299-W18-115	A7598	D		Virtual Library	Virtual Library						Y	HWIS	
1964	200-W	299-W18-116	A7599	D					Field Rad in logs				Y	PNNL files	
1965	200-W	299-W18-117	A7600	D		Virtual Library	Virtual Library						Y	HWIS	
1966	200-W	299-W18-118	A7601	D									Y	HWIS	
1967	200-W	299-W18-119	A7602	D		Virtual Library	Virtual Library						Y	HWIS	
1968	200-W	299-W18-12	A7528	D, As-built	DN, GG, NT								Y	HWIS	
1969	200-W	299-W18-120	A7603	D									Y	HWIS	
1970	200-W	299-W18-121	A7604	D									Y	HWIS	
1971	200-W	299-W18-122	A7605	D									Y	HWIS	
1972	200-W	299-W18-123	A7606	D		Virtual Library	Virtual Library						Y	HWIS	
1973	200-W	299-W18-124	A7607	D		Virtual Library	Virtual Library						Y	HWIS	
1974	200-W	299-W18-125	A7608	D		Virtual Library	Virtual Library						Y	HWIS	
1975	200-W	299-W18-126	A7609	D		Virtual Library	Virtual Library						Y	HWIS	
1976	200-W	299-W18-127	A7610	D		Virtual Library	Virtual Library						Y	HWIS	
1977	200-W	299-W18-128	A7611	D		Virtual Library	Virtual Library						Y	HWIS	
1978	200-W	299-W18-129	A7612	D		Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
1979	200-W	299-W18-13	A7529	D										HWIS	
1980	200-W	299-W18-130	A7613	D		Virtual Library	Virtual Library						Y	HWIS	
1981	200-W	299-W18-131	A7614	D		Virtual Library	Virtual Library						Y	HWIS	
1982	200-W	299-W18-132	A7615	D		Virtual Library	Virtual Library						Y	HWIS	
1983	200-W	299-W18-133	A7616	D		Virtual Library	Virtual Library						Y	HWIS	
1984	200-W	299-W18-134	A7617	D									Y	HWIS	
1985	200-W	299-W18-135	A7618	D		Virtual Library	Virtual Library						Y	HWIS	
1986	200-W	299-W18-137	A7620	D		Virtual Library	Virtual Library						Y	HWIS	
1987	200-W	299-W18-138	A7621	D		Virtual Library	Virtual Library							HWIS	
1988	200-W	299-W18-139	A7622	D		Virtual Library	Virtual Library						Y	HWIS	
1989	200-W	299-W18-14	A7530	D								Paleomag		Bjornstad 1984	
1990	200-W	299-W18-140	A7623	D									Y	HWIS	
1991	200-W	299-W18-141	A7624	D		Virtual Library	Virtual Library						Y	HWIS	
1992	200-W	299-W18-142	A7625	D		Virtual Library	Virtual Library						Y	HWIS	
1993	200-W	299-W18-143	A7626	D		Virtual Library	Virtual Library						Y	HWIS	
1994	200-W	299-W18-144	A7627	D		Virtual Library	Virtual Library						Y	HWIS	
1995	200-W	299-W18-145	A7628	D		Virtual Library	Virtual Library						Y	HWIS	
1996	200-W	299-W18-146	A7629	D									Y	HWIS	
1997	200-W	299-W18-147	A7630	D		Virtual Library	Virtual Library						Y	HWIS	
1998	200-W	299-W18-148	A7631	D		Virtual Library	Virtual Library						Y	HWIS	
1999	200-W	299-W18-149	A7632	G	SG				Pu, Am					Price et al. 1979	
2000	200-W	299-W18-15	A4932	D	GG, SG	Virtual Library	Virtual Library	Y	Cs, Pu, Am				Y	Last et al. 1994	
2001	200-W	299-W18-150	A7633	G	GG				Pu, Am				Y	Price et al. 1979	
2002	200-W	299-W18-151	A7634	D	GG, SG										
2003	200-W	299-W18-152	A7635	D	GG, SG	Virtual Library	Virtual Library		Pu, Am				Y	Kasper 1981; Kasper 1982	
2004	200-W	299-W18-153	A7636	D	GG, SG	Virtual Library	Virtual Library		Pu, Am				Y	Kasper 1981; Kasper 1982	
2005	200-W	299-W18-154	A7637	D	GG, SG				Pu, Am				Y	Kasper 1982	
2006	200-W	299-W18-155	A7638	D	GG, SG								Y	HWIS	
2007	200-W	299-W18-156	A7639	D	SG								Y	HWIS	
2008	200-W	299-W18-157	A7640	D	GG, SG	Virtual Library			Pu, Am				Y	Kasper 1982	
2009	200-W	299-W18-158	A7641	G	GG, SG				Pu, Am				Y	Price et al. 1979	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2010	200-W	299-W18-159	A7642		GG, SG	Y			Pu, Am				Y	Price et al. 1979; Smith and Additon 1980	
2011	200-W	299-W18-16	C4303	G, Well summary	NT, SG									HWIS	
2012	200-W	299-W18-162	A7644						Pu, Am					Kasper 1982	
2013	200-W	299-W18-163	A7645	G	GG				Pu, Am				Y	Price et al. 1979	
2014	200-W	299-W18-164	A7646	G	GG	Y			Pu, Am				Y	Price et al. 1979; Smith and Additon 1980	
2015	200-W	299-W18-165	A7647	G	GG	Y			Field Rad, Pu, Am				Y	Price et al. 1979; Smith and Additon 1980	
2016	200-W	299-W18-166	A7648	G	GG				Field Rad, Pu, Am				Y	Price et al. 1979	
2017	200-W	299-W18-167	A7649	G	GG, SG				Field Rad, Pu, Am				Y	Price et al. 1979	
2018	200-W	299-W18-168	A7650	G	GG, SG				Field Rad, Pu, Am				Y	Price et al. 1979	
2019	200-W	299-W18-169	A7651	G	GG, SG				Field Rad, Pu, Am				Y	Price et al. 1979	
2020	200-W	299-W18-17	A5479	D	NT, SG								Y	HWIS	
2021	200-W	299-W18-170	A7652	G	GG, SG				Field Rad					HWIS	
2022	200-W	299-W18-171	A7653	G	GG, SG				Field Rad, Pu, Am				Y	Price et al. 1979	
2023	200-W	299-W18-172	A7654	G	GG				Field Rad, Pu, Am				Y	Price et al. 1979	
2024	200-W	299-W18-173	A7655	G	GG, SG				Field Rad, Pu, Am				Y	Price et al. 1979	
2025	200-W	299-W18-174	A7656	G	GG, SG	Y	Y	Y	VOA, Metals, SVOA, An, Rad, Field Rad	Bden, Por	XRD		Y	Price et al. 1979; Rohay et al. 1993; Rohay et al. 1994; Wright et al. 1995	
2026	200-W	299-W18-175	A7657	G	GG, SG	Y			Field Rad, Pu, Am				Y	Price et al. 1979; Smith and Additon 1980	
2027	200-W	299-W18-176	A7658	D									Y	HWIS	
2028	200-W	299-W18-177	A7659	D	GG	Virtual Library	Virtual Library	Y	Pu, Am				Y	Last et al. 1994	
2029	200-W	299-W18-178	A7660	D, G				Y	Pu, Am				Y	Last et al. 1994	
2030	200-W	299-W18-179	A7661	D	SG	Virtual Library	Virtual Library	Y	Pu, Am				Y	Kasper 1982	
2031	200-W	299-W18-18	A7531	D	NT, SG								Y	HWIS	
2032	200-W	299-W18-180	A7662	D	SG	Virtual Library		Y	Pu, Am				Y	Kasper 1982	
2033	200-W	299-W18-181	A7663	D	SG	Virtual Library		Y	Pu, Am				Y	Kasper 1982	
2034	200-W	299-W18-182	A7664	D	SG			Y	Pu, Am				Y	Kasper 1982	
2035	200-W	299-W18-183	A7665	D	SG	Virtual Library		Y	Pu, Am				Y	Kasper 1982	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2036	200-W	299-W18-184	A7666	D	SG			Y	Pu, Am				Y	Kasper 1982	
2037	200-W	299-W18-185	A7667	D	SG			Y	Pu, Am				Y	Kasper 1982	
2038	200-W	299-W18-186	A7668	D, G				Y	Pu, Am				Y	Last et al. 1994	
2039	200-W	299-W18-187	A7669	D, G				Y	Pu, Am					Last et al. 1994	
2040	200-W	299-W18-188	A7670	D, G				Y	Pu, Am				Y	Last et al. 1994	
2041	200-W	299-W18-189	A7671	D, G					Pu, Am					Last et al. 1994	
2042	200-W	299-W18-19	A7532	D	NT, SG								Y	HWIS	
2043	200-W	299-W18-192	A7672	D, G				Y	Pu, Am				Y	Last et al. 1994	
2044	200-W	299-W18-193	A7673	D, G				Y	Pu, Am				Y	Last et al. 1994	
2045	200-W	299-W18-194	A7674	D, G				Y	Pu, Am				Y	Last et al. 1994	
2046	200-W	299-W18-195	A7675	D, G					Pu, Am					Last et al. 1994	
2047	200-W	299-W18-196	A7676	D, G					Pu, Am					Last et al. 1994	
2048	200-W	299-W18-197	A7677	D, G					Pu, Am				Y	Last et al. 1994	
2049	200-W	299-W18-198	A7678	D, G					Pu, Am				Y	Last et al. 1994	
2050	200-W	299-W18-198	A7678	D, G									Y	HWIS	
2051	200-W	299-W18-199	A7679	D, G									Y	Last et al. 1994	
2052	200-W	299-W18-2	A5478	D	DN, GG, NT	Virtual Library	Virtual Library	Y		Por			Y	Bierschenk 1959	
2053	200-W	299-W18-20	A5471	D	NT, SG								Y	HWIS	
2054	200-W	299-W18-200	A7680	D, G					Pu, Am				Y	Last et al. 1994	
2055	200-W	299-W18-201	A7681	D, G										HWIS	
2056	200-W	299-W18-202	A7682	D, G										HWIS	
2057	200-W	299-W18-203	A7683	D, G									Y	HWIS	
2058	200-W	299-W18-204	A7684	D, G									Y	HWIS	
2059	200-W	299-W18-205	A7685	D									Y	HWIS	
2060	200-W	299-W18-206	A7686	D									Y	HWIS	
2061	200-W	299-W18-207	A7687	D									Y	HWIS	
2062	200-W	299-W18-208	A7688	D, G									Y	HWIS	
2063	200-W	299-W18-209	A7689	D									Y	HWIS	
2064	200-W	299-W18-21	A4933	G	DN, GG, NT	Virtual Library	Virtual Library	Y	XRF, TC, IC, TOC	CEC		C-14	Y	Last et al. 1989; Schramke 1988; Bjornstad et al. no date; Ames and Serne 1991	
2065	200-W	299-W18-210	A7690	D, G									Y	HWIS	
2066	200-W	299-W18-211	A7691	D									Y	HWIS	
2067	200-W	299-W18-212	A7692	D									Y	HWIS	
2068	200-W	299-W18-213	A7693	D, G									Y	HWIS	
2069	200-W	299-W18-214	A7694	D									Y	HWIS	
2070	200-W	299-W18-215	A7695	D									Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2071	200-W	299-W18-216	A7696	D		Y							Y	Rohay et al. 1993	Hole backfilled
2072	200-W	299-W18-217	A7697	D									Y	HWIS	
2073	200-W	299-W18-218	A7698	D, G									Y	HWIS	
2074	200-W	299-W18-219	A7699	D									Y	HWIS	
2075	200-W	299-W18-22	A4934	G	DN, GG, NT	Virtual Library	Virtual Library		XRF, TC, IC, TOC	%GSSC, CEC	XRD		Y	Last et al. 1989; Schramke 1988; Bjornstad et al. no date; Ames and Serne 1991	
2076	200-W	299-W18-220	A7700	D, G		Y	Y	Y	VOA, SVOA, Metals, An, Rad				Y	Rohay et al. 1992	
2077	200-W	299-W18-221	A7701	D									Y	HWIS	
2078	200-W	299-W18-222	A7702	D									Y	HWIS	
2079	200-W	299-W18-223	A7703	D									Y	HWIS	
2080	200-W	299-W18-224	A7704	D									Y	HWIS	
2081	200-W	299-W18-225	A7705	D									Y	HWIS	
2082	200-W	299-W18-226	A7706	D									Y	HWIS	
2083	200-W	299-W18-227	A7707	D									Y	HWIS	
2084	200-W	299-W18-228	A7708	D									Y	HWIS	
2085	200-W	299-W18-229	A7709	D									Y	HWIS	
2086	200-W	299-W18-23	A4935	G	DN, GG, NT	Virtual Library	Virtual Library	Y					Y	Last et al. 1989	
2087	200-W	299-W18-230	A7710	D									Y	HWIS	
2088	200-W	299-W18-231	A7711	D									Y	HWIS	
2089	200-W	299-W18-232	A7712	D									Y	HWIS	
2090	200-W	299-W18-233	A7713	D									Y	HWIS	
2091	200-W	299-W18-234	A7714	D										HWIS	
2092	200-W	299-W18-235	A7715	D											
2093	200-W	299-W18-236	A7716	D									Y	HWIS	
2094	200-W	299-W18-237	A7717	D									Y	HWIS	
2095	200-W	299-W18-238	A7718	D									Y	HWIS	
2096	200-W	299-W18-239	A7719	D									Y	HWIS	
2097	200-W	299-W18-24	A4936	G	CP, DN, GG, NT	Virtual Library	Virtual Library	Y					Y	Last et al. 1989	
2098	200-W	299-W18-240	A7720	D									Y	HWIS	
2099	200-W	299-W18-241	A7721	D									Y	HWIS	
2100	200-W	299-W18-242	A7722	D										HWIS	
2101	200-W	299-W18-243	A7723	D									Y	HWIS	
2102	200-W	299-W18-244	A7724	D									Y	HWIS	
2103	200-W	299-W18-245	A7725	D									Y	HWIS	
2104	200-W	299-W18-246	A7726	G	GG, SG	Y		Y	Metals, VOA, SVOA, An, Lab Rad	Bden, %GSSC				Rohay et al. 1994; Last and Rohay 1993; Rohay et al. 1992	
2105	200-W	299-W18-247	A7727	G	GG, SG			Y	Metals, VOA, SVOA, An, Lab Rad	Bden, %GSSC				Rohay et al. 1994; Last and Rohay 1993	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2106	200-W	299-W18-248	A7728	G	GG, SG	Y		Y	Metals, VOA, SVOA, An, Lab Rad	Bden, %GSSC				Rohay et al. 1994; Last and Rohay 1993; Wright et al. 1994	
2107	200-W	299-W18-249	A7729	G	GG, SG	Y		Y	Metals, VOA, SVOA, An, Lab Rad	Bden, %GSSC				Rohay et al. 1994; Last and Rohay 1993; Wright et al. 1994	
2108	200-W	299-W18-25	A4937	G	GG		Y	Y					Y	Caggiano 1992	
2109	200-W	299-W18-250	A7730	G	GG, MO, SG		Y	Y	VOA, Metals, An, Rad Lab				Y	Singleton and Lindsey 1994	
2110	200-W	299-W18-251	A7731	G	GG	Y	Y	Y	VOA, Metals, An, Rad Lab				Y	Singleton and Lindsey 1994; see R. Khaleel or G. Freeman for sieve data	
2111	200-W	299-W18-252	A7732	G	GG, SG		Y	Y	VOA, SVOA, Metals, An, Rad					Rohay et al. 1993; Rohay et al. 1994	
2112	200-W	299-W18-26	A4938	G	CP, GG			Y	Y				Y	Goodwin 1990	
2113	200-W	299-W18-27	A4939	G	GG, SG	Y	Y	Y					Y	Mercer 1993b	
2114	200-W	299-W18-28	A4940	G	GG, SG	Y	Y	Y					Y	Mercer 1993b	
2115	200-W	299-W18-29	A4941	G	GG, SG	Y	Y	Y	Am, Pu				Y	Johnson 1993; Mercer 1993b	
2116	200-W	299-W18-3	A5469	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2117	200-W	299-W18-30	A4942	G	GG, SG	Y	Y	Y					Y	Caggiano 1993	
2118	200-W	299-W18-31	A4943	G	GG, SG	Y	Y	Y					Y	Caggiano 1993	
2119	200-W	299-W18-32	A5441	G	GG, MG, SG		Y	Y	Field Rad				Y	Mercer 1993a	
2120	200-W	299-W18-33	A5450	G	GG, SG		Y	Y	VOA, Metals, An, Rad Lab				Y	Singleton and Lindsey 1994 (all data)	
2121	200-W	299-W18-36	B2747	G										CH2M HILL files	
2122	200-W	299-W18-37	B2756	G										CH2M HILL files	
2123	200-W	299-W18-38	B2757	G										CH2M HILL files	
2124	200-W	299-W18-39	B2758	G										CH2M HILL files	
2125	200-W	299-W18-4	A7522	D	GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
2126	200-W	299-W18-40	C3395	G	NT, SG	Y							Y	Horton 2002c	

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2127	200-W	299-W18-5	A5470	D	GG, NT, SG, TP	Virtual Library	Virtual Library	Y		Por			Y	Bierschenk 1959	
2128	200-W	299-W18-51	A7534	D	GG									HWIS	
2129	200-W	299-W18-52	A7535	D	GG									HWIS	
2130	200-W	299-W18-53	A7536	D	GG									HWIS	
2131	200-W	299-W18-54	A7537	D	GG									HWIS	
2132	200-W	299-W18-55	A7538	D	GG									HWIS	
2133	200-W	299-W18-56	A7539	D, G	GG, NT									HWIS	
2134	200-W	299-W18-57	A7540	D, G	GG, NT	Virtual Library	Virtual Library							HWIS	
2135	200-W	299-W18-58	A7541	D, G	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2136	200-W	299-W18-59	A7542	D, G	GG, NT	Virtual Library	Virtual Library						Y	Price et al. 1979	
2137	200-W	299-W18-6	A7523	D, G	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2138	200-W	299-W18-60	A7543	D	GG									HWIS	
2139	200-W	299-W18-61	A7544	D, G	GG	Virtual Library	Virtual Library						Y	Price et al. 1979	
2140	200-W	299-W18-62	A7545	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
2141	200-W	299-W18-63	A7546	D, G	GG									HWIS	
2142	200-W	299-W18-64	A7547	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
2143	200-W	299-W18-65	A7548	D, G	GG	Virtual Library	Virtual Library						Y	Price et al. 1979	
2144	200-W	299-W18-66	A7549	D, G	GG, NT	Virtual Library	Virtual Library						Y	Price et al. 1979	
2145	200-W	299-W18-67	A7550	As-built									Y	HWIS	
2146	200-W	299-W18-68	A7551	As-built									Y	HWIS	
2147	200-W	299-W18-69	A7552	D	GG, NT, SG									HWIS	
2148	200-W	299-W18-7	A7524	D, G	CP, DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2149	200-W	299-W18-70	A7553	D										HWIS	
2150	200-W	299-W18-71	A7554	D	GG, NT, SG									HWIS	
2151	200-W	299-W18-72	A7555	D	GG, SG									HWIS	
2152	200-W	299-W18-73	A7556	D	GG, NT, SG									HWIS	
2153	200-W	299-W18-74	A7557	D	GG, NT, SG									HWIS	
2154	200-W	299-W18-75	A7558	D	GG				Pu, Am					Kasper 1981	
2155	200-W	299-W18-76	A7559	D, G	GG, NT				Field Rad					HWIS	
2156	200-W	299-W18-77	A7560	D, G					Field Rad					HWIS	
2157	200-W	299-W18-78	A7561	D, G	GG, NT, SG				Field Rad					HWIS	
2158	200-W	299-W18-79	A7562	D, G	SG				Field Rad					HWIS	
2159	200-W	299-W18-8	A7525	D	DN, GG, NT, SG									HWIS	
2160	200-W	299-W18-80	A7563	D, G					Field Rad					HWIS	
2161	200-W	299-W18-81	A7564	D, G	GG, NT, SG				Field Rad				Y	HWIS	
2162	200-W	299-W18-82	A7565	As-built	GG, NT, SG									HWIS	
2163	200-W	299-W18-83	A7566		GG, NT								Y		
2164	200-W	299-W18-84	A7567	D	GG, NT								Y	HWIS	
2165	200-W	299-W18-85	A7568	D	DN, GG, NT	Virtual Library	Virtual Library		Pu, Am				Y	Price et al. 1979	
2166	200-W	299-W18-86	A7569	D	DN, GG, NT, SG	Virtual Library	Virtual Library		Pu, Am				Y	Price et al. 1979	
2167	200-W	299-W18-87	A7570	D	DN, GG, NT	Virtual Library	Virtual Library		Pu, Am				Y	Price et al. 1979	
2168	200-W	299-W18-88	A7571	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library		Pu, Am				Y	Price et al. 1979	

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2169	200-W	299-W18-89	A7572	D	DN, GG, NT	Virtual Library	Virtual Library						Y	Price et al. 1979	
2170	200-W	299-W18-9	A7526	D	CP, DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2171	200-W	299-W18-90	A7573	D										HWIS	
2172	200-W	299-W18-91	A7574	D										HWIS	
2173	200-W	299-W18-92	A7575	D										HWIS	
2174	200-W	299-W18-93	A7576	D	DN, GG, NT									HWIS	
2175	200-W	299-W18-94	A7577	D	CP, DN, GG, NT, SG									HWIS	
2176	200-W	299-W18-95	A7578	D	DN, GG, NT, SG									HWIS	
2177	200-W	299-W18-96	A7579	D, G	CP, DN, GG, MG, NT, SG	Y	Y	Y	VOA, Metals, An, Rad, SVOA	Bden, Por			Y	Rohay et al. 1993; Rohay et al. 1994	
2178	200-W	299-W18-97	A7580	D, G	DN, GG, NT								Y	HWIS	
2179	200-W	299-W18-98	A7581	D, G	CP, DN, GG, NT, SG								Y	HWIS	
2180	200-W	299-W18-99	A7582	D, G	DN, GG, NT								Y	HWIS	
2181	200-W	299-W19-1	A4944	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
2182	200-W	299-W19-10	A7738	D, G	DN, NT, TP		Y	Y		Bden, %GSSC	EM, XRD	Paleomag		Virtual Library 2000 (PPl only, includes descriptions); Ames 1976; Bjornstad 1984; Parker and Johnston 1979; Summers and Hanson 1977	DH-7
2183	200-W	299-W19-11	A7739	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2184	200-W	299-W19-12	A4945	D									Y	HWIS	
2185	200-W	299-W19-13	A7740	D	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2186	200-W	299-W19-14	A4946	D	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2187	200-W	299-W19-15	A4947	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library	Y	GEA				Y	PNNL files	
2188	200-W	299-W19-16	A7741	D, G	DN, GG, NT	Virtual Library		Y	GEA				Y	PNNL files	
2189	200-W	299-W19-17	A7742	D, G	GG	Virtual Library							Y	HWIS	
2190	200-W	299-W19-18	A7743	D, G	GG								Y	HWIS	
2191	200-W	299-W19-19	A7744	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library	Y					Y	HWIS	
2192	200-W	299-W19-2	A4948	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
2193	200-W	299-W19-20	A4949	D, G	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2194	200-W	299-W19-21	A4950	D, G	GG, NT, SG	Virtual Library	Virtual Library		MiscMetals				Y	Horton files	
2195	200-W	299-W19-22	A4951	D, G	GG, NT, SG	Virtual Library	Virtual Library	Y					Y	HWIS	

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2196	200-W	299-W19-23	A7745	D, G	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2197	200-W	299-W19-24	A4952	D, G	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2198	200-W	299-W19-25	A7746	D, G	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
2199	200-W	299-W19-26	A7747	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2200	200-W	299-W19-27	A4953	D, G	GG, SG	Virtual Library	Virtual Library	Y	MiscMetals				Y	Horton files	
2201	200-W	299-W19-28	A4954	D, G	GG, SG								Y		
2202	200-W	299-W19-29	A4955	D, G	CP, GG								Y		
2203	200-W	299-W19-3	A7733	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
2204	200-W	299-W19-30	A7748	D, G	GG								Y		
2205	200-W	299-W19-31	A4956	G	GG	Y	Y	Y					Y	Caggiano 1992	
2206	200-W	299-W19-32	A4957	G	GG, SG	Y	Y	Y					Y	Caggiano 1992	
2207	200-W	299-W19-34			SG										
2208	200-W	299-W19-34B	A9513	D, G, Well summary	GG, SG									HWIS	
2209	200-W	299-W19-35	A9515	D, G, Well summary	SG									HWIS	
2210	200-W	299-W19-36	B2461	G		Y								Darrach 1995	
2211	200-W	299-W19-37	B2465	G		Y								Darrach 1995	
2212	200-W	299-W19-38	B2463	G		Y								Darrach 1995	
2213	200-W	299-W19-39	B2460	G		Y								Darrach 1995	
2214	200-W	299-W19-4	A4958	D	GG, NT, TP									HWIS	
2215	200-W	299-W19-40	B2464	G		Y								Darrach 1995	
2216	200-W	299-W19-41	B8551	G		Y							Y	Horton and Hodges 1999b	
2217	200-W	299-W19-42	B8553	G	SG	Y		Y	1:1, Alk	Cond			Y	Horton and Hodges 1999b	
2218	200-W	299-W19-43	C3381	G								Paleomag		Faurote and Wright 2001; Pluhar 2002	
2219	200-W	299-W19-44	C3393	G		Y							Y	Horton 2002c	
2220	200-W	299-W19-45	C3394	G	NT, SG	Y							Y	Horton 2002c	
2221	200-W	299-W19-46	C3958	G	SG	Y							Y	HWIS	
2222	200-W	299-W19-47	C4258	G, Well summary	SG									HWIS	
2223	200-W	299-W19-48	C4300	G, Well summary	SG									HWIS	
2224	200-W	299-W19-5	A7734	D	DN, GG, NT, SG								Y	HWIS	
2225	200-W	299-W19-53	A7751	D	GG									HWIS	
2226	200-W	299-W19-54	A7753	D	GG									HWIS	
2227	200-W	299-W19-55	A7755	D										HWIS	
2228	200-W	299-W19-6	A4959	D, As-built	DN, GG, NT, TP								Y	HWIS	Only remediation logs available
2229	200-W	299-W19-69	A7769	D		Virtual Library							Y	HWIS	
2230	200-W	299-W19-7	A7735	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	

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2231	200-W	299-W19-70	A7770	D	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
2232	200-W	299-W19-71	A7771	D	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
2233	200-W	299-W19-72	A7772	D		Virtual Library							Y	HWIS	
2234	200-W	299-W19-73	A7773	D									Y	HWIS	
2235	200-W	299-W19-74	A7774	D		Virtual Library	Virtual Library						Y	HWIS	
2236	200-W	299-W19-75	A7775	D									Y	HWIS	
2237	200-W	299-W19-76	A7776	D		Virtual Library	Virtual Library						Y	HWIS	
2238	200-W	299-W19-77	A7777	G										Webster 1977	
2239	200-W	299-W19-8	A7736	D	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2240	200-W	299-W19-89	A7789	D, G	GG, SG	Virtual Library		Y					Y	HWIS	
2241	200-W	299-W19-9	A7737	D	CP, GG, NT, SG									HWIS	
2242	200-W	299-W19-90	A7790	D, G	GG, SG	Virtual Library	Virtual Library	Y					Y	HWIS	
2243	200-W	299-W19-91	A4960	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library	Y	MiscMetals				Y	Routson 1987; D. G. Horton files	
2244	200-W	299-W19-92	A4961	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library	Y	MiscMetals				Y	Routson 1987;D. G. Horton files	
2245	200-W	299-W19-93	A4962	D, G	DN, GG, NT, SG	Virtual Library	Virtual Library	Y	MiscMetals				Y	Routson 1987; D. G. Horton files	
2246	200-W	299-W19-94	A9796	D, G, Well summary	SG									HWIS	
2247	200-W	299-W19-95	A7791	Well Summary	SG	Y								see R. Khaleel or G. Freeman for sieve data	
2248	200-W	299-W19-96	A9797	D, G, Well summary	SG									HWIS	
2249	200-W	299-W19-97	A7792	D, G, Well summary	SG									HWIS	
2250	200-W	299-W19-98	A9798	D, G, Well summary	SG									HWIS	
2251	200-W	299-W21-1	A4963	D, As-built	GG, SG, TP									HWIS	
2252	200-W	299-W21-2	C4639	G, Well summary	GG									HWIS	
2253	200-W	299-W21-51	A7793	D		Virtual Library								HWIS	
2254	200-W	299-W21-52	A7794	D		Virtual Library							Y	HWIS	
2255	200-W	299-W21-53	A7795	D		Virtual Library							Y	HWIS	
2256	200-W	299-W21-54	A7796	D		Virtual Library							Y	HWIS	
2257	200-W	299-W21-55	A7797	D		Virtual Library							Y	HWIS	
2258	200-W	299-W21-56	A7798	D		Virtual Library							Y	HWIS	

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2259	200-W	299-W21-57	A7799	D		Virtual Library							Y	HWIS	
2260	200-W	299-W21-58	A7800	D		Virtual Library							Y	HWIS	
2261	200-W	299-W21-59	A7801	D		Virtual Library							Y	HWIS	
2262	200-W	299-W21-60	A7802	D		Virtual Library							Y	HWIS	
2263	200-W	299-W21-61	A7803	D		Virtual Library							Y	HWIS	
2264	200-W	299-W21-62	A7804	D		Virtual Library							Y	HWIS	
2265	200-W	299-W21-63	A7805	D		Virtual Library							Y	HWIS	
2266	200-W	299-W21-64	A7806	D		Virtual Library							Y	HWIS	
2267	200-W	299-W21-65	A7807	D		Virtual Library							Y	HWIS	
2268	200-W	299-W21-66	A7808	D		Virtual Library							Y	HWIS	
2269	200-W	299-W21-67	A7809	D		Virtual Library							Y	HWIS	
2270	200-W	299-W21-68	A7810	D		Virtual Library							Y	HWIS	
2271	200-W	299-W21-69	A7811	D		Virtual Library							Y	HWIS	
2272	200-W	299-W21-70	A7812	D		Virtual Library							Y	HWIS	
2273	200-W	299-W21-71	A7813	D		Virtual Library							Y	HWIS	
2274	200-W	299-W21-72	A7814	D		Virtual Library							Y	HWIS	
2275	200-W	299-W21-73	A7815	D		Virtual Library							Y	HWIS	
2276	200-W	299-W21-74	A7816	D		Virtual Library							Y	HWIS	
2277	200-W	299-W21-75	A7817	D		Virtual Library							Y	HWIS	
2278	200-W	299-W21-76	A7818	D		Virtual Library							Y	HWIS	
2279	200-W	299-W21-77	A7819	D									Y	HWIS	
2280	200-W	299-W21-78	A7820	D									Y	HWIS	
2281	200-W	299-W21-79	A7821	D									Y	HWIS	
2282	200-W	299-W21-80	A7822	D									Y	HWIS	
2283	200-W	299-W21-81	A7823	D									Y	HWIS	
2284	200-W	299-W21-82	A7824	D									Y	HWIS	
2285	200-W	299-W21-83	A7825	D									Y	HWIS	
2286	200-W	299-W22-1	A7827	D	DN, GG, NT	Virtual Library	Virtual Library		Field Rad/Temp				Y	HWIS	
2287	200-W	299-W22-10	A7835	D	DN, GG, NT, TP	Virtual Library	Virtual Library		Field Rad/Temp				Y	HWIS	
2288	200-W	299-W22-11	A7836	D	GG, TP	Virtual Library	Virtual Library		Sr, Beta, Gamma				Y	Haney and Linderoth 1959	
2289	200-W	299-W22-12	A7837	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	

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2290	200-W	299-W22-13	A7838	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2291	200-W	299-W22-14	A7839	D	GG, SG, TP	Virtual Library	Virtual Library		Field Rad				Y	HWIS	
2292	200-W	299-W22-15	A7840	D	DN, GG, NT, TP				Field Rad, Sr, Beta, Gamma					Haney and Linderoth 1959	
2293	200-W	299-W22-16	A7841	D	DN, GG, NT, TP				Sr, Beta, Gamma					Haney and Linderoth 1959	
2294	200-W	299-W22-17	A4964	D	DN, GG, NT, TP				Field Rad					HWIS	
2295	200-W	299-W22-18	A7842	D	DN, GG, NT	Virtual Library	Virtual Library		Sr, Beta, Gamma				Y	Haney and Linderoth 1959	
2296	200-W	299-W22-19	A4965	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
2297	200-W	299-W22-2	A7828	D	DN, GG, NT	Virtual Library	Virtual Library		Field Rad/Temp, Sr, Beta, Gamma				Y	Haney and Linderoth 1959	
2298	200-W	299-W22-20	A7843	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
2299	200-W	299-W22-21	A4966	D	DN, GG, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
2300	200-W	299-W22-22	A4967	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2301	200-W	299-W22-23	A7844	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2302	200-W	299-W22-24	A7845	D	TP	Virtual Library	Virtual Library						Y	HWIS	
2303	200-W	299-W22-25	A7846	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
2304	200-W	299-W22-26	A4968	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2305	200-W	299-W22-27	A7847	D	GG, TP	Virtual Library	Virtual Library						Y	HWIS	
2306	200-W	299-W22-27O	A9573	D									Y	HWIS	
2307	200-W	299-W22-27P	A9574	D									Y	HWIS	
2308	200-W	299-W22-27Q	A9575	D									Y	HWIS	
2309	200-W	299-W22-27R	A9576	D									Y	HWIS	
2310	200-W	299-W22-27S	A9577	D									Y	HWIS	
2311	200-W	299-W22-28	A4969	D	GG, NT, SG, TP	Virtual Library							Y	HWIS	
2312	200-W	299-W22-29	A7848	D	DN, GG, NT									HWIS	
2313	200-W	299-W22-3	A7829	D		Virtual Library	Virtual Library						Y	HWIS	
2314	200-W	299-W22-30	A7849	D	DN, GG, NT									HWIS	
2315	200-W	299-W22-31	A7850	D	DN, GG, NT								Y	HWIS	
2316	200-W	299-W22-32	A7851	D	DN, GG, NT, SG										
2317	200-W	299-W22-33	A7852	D	DN, GG, NT, SG									HWIS	
2318	200-W	299-W22-34	A7853	D	DN, GG, NT									HWIS	
2319	200-W	299-W22-35	A7854	D	DN, GG, NT									HWIS	
2320	200-W	299-W22-36	A7855	D	DN, GG, NT									HWIS	
2321	200-W	299-W22-37	A7856	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2322	200-W	299-W22-38	A7857	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	

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2323	200-W	299-W22-39	A4970	G	GG, SG		Y	Y					Y	Caggiano 1992	
2324	200-W	299-W22-4	A7830	D	GG, NT, SG, TP								Y	HWIS	
2325	200-W	299-W22-40	A4971	D, G	GG	Y	Y	Y					Y	Goodwin 1990	
2326	200-W	299-W22-41	A4972	D, G	GG	Y	Y	Y					Y	Goodwin 1990	
2327	200-W	299-W22-42	A4973	D, G	GG	Y	Y	Y	Y				Y	Goodwin 1990	
2328	200-W	299-W22-43	A4974	D, G	GG	Y	Y	Y	Y				Y	Goodwin 1990	
2329	200-W	299-W22-44	A4975	G	GG, SG	Y	Y	Y	Field Rad				Y	Caggiano 1993	
2330	200-W	299-W22-45	A4976	G	GG, SG		Y	Y					Y	Caggiano 1993	
2331	200-W	299-W22-46	A4977	G	GG, SG		Y	Y					Y	Caggiano 1993	
2332	200-W	299-W22-48	B8812	G	NT, SG	Y	Y	Y	1:1, Pwater, Aex, TOC, XRF	Cond, %GSSC, Bden, CEC	XRD, TEM	Paleomag	Y	Bjornstad et al. 2001; Horton and Johnson 2000; Serne et al. 2001a	
2333	200-W	299-W22-49	B8813	G	NT, SG								Y	Horton and Johnson 2000	
2334	200-W	299-W22-5	A7831	D	DN, GG, NT	Virtual Library	Virtual Library		Field Rad				Y	HWIS	
2335	200-W	299-W22-50	B8814	G				Y	1:1, Pwater, Aex, TOC, XRF	Cond, %GSSC, Bden, CEC	XRD	Paleomag	Y	Bjornstad et al. 2001; Horton and Johnson 2000, Serne et al. 2001a	
2336	200-W	299-W22-51	A7858	D, G									Y	HWIS	
2337	200-W	299-W22-52	A7859	D, G									Y	HWIS	
2338	200-W	299-W22-53	A7860	D, G									Y	HWIS	
2339	200-W	299-W22-54	A7861	D, G									Y	HWIS	
2340	200-W	299-W22-55	A7862	D, G									Y	HWIS	
2341	200-W	299-W22-56	A7863	D, G										HWIS	
2342	200-W	299-W22-57	A7864	D, G									Y	HWIS	
2343	200-W	299-W22-58	A7865	D, G									Y	HWIS	
2344	200-W	299-W22-59	A7866	D, G									Y	HWIS	
2345	200-W	299-W22-6	A7832	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2346	200-W	299-W22-60	A7867	D	GG								Y	HWIS	
2347	200-W	299-W22-61	A7868	D, G	SG								Y	HWIS	
2348	200-W	299-W22-62	A7869	D										HWIS	
2349	200-W	299-W22-63	A7870	D	SG								Y	HWIS	
2350	200-W	299-W22-65	A7872	D									Y	HWIS	
2351	200-W	299-W22-66	A7873	D									Y	HWIS	
2352	200-W	299-W22-67	A7874	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2353	200-W	299-W22-7	A4978	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
2354	200-W	299-W22-70	A7876	D										HWIS	
2355	200-W	299-W22-73	A7877	D, G	GG, NT	Virtual Library	Virtual Library		Field Rad in logs				Y	PNNL files	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2356	200-W	299-W22-74	A7878	D	GG, SG								Y	HWIS	
2357	200-W	299-W22-75	A7879	D, G	GG, NT, SG	Virtual Library	Virtual Library		Field Rad in logs				Y	PNNL files	
2358	200-W	299-W22-76	A7880	D, G					Field Rad				Y	HWIS	
2359	200-W	299-W22-77	A7881	D, G					Field Rad				Y	HWIS	
2360	200-W	299-W22-78	A7882	D, G, Well summary	SG									HWIS	
2361	200-W	299-W22-79	B8552	G									Y		
2362	200-W	299-W22-8	A7833	D	GG, NT, SG, TP								Y	HWIS	
2363	200-W	299-W22-80	C3115	G		Y							Y	Horton and Johnson 2001	
2364	200-W	299-W22-81	C3123	G	NT, SG	Y							Y	Horton and Johnson 2001	
2365	200-W	299-W22-82	C3124	G	NT, SG	Y							Y	Horton and Johnson 2001	
2366	200-W	299-W22-83	C3126	G	NT, SG	Y							Y	Horton and Johnson 2001	
2367	200-W	299-W22-84	C3398	G		Y							Y	Horton 2002e	
2368	200-W	299-W22-85	C3399	G	NT, SG	Y							Y	Horton 2002e	
2369	200-W	299-W22-9	A7834	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2370	200-W	299-W23-1	A4979	D, G	GG	Virtual Library	Virtual Library		pH	CEC, %GSSC, 15-Atm			Y	McHenry 1957	
2371	200-W	299-W23-10	A7884	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
2372	200-W	299-W23-100	A7936	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2373	200-W	299-W23-101	A7937	D	GG									HWIS	
2374	200-W	299-W23-102	A7938	D	GG									HWIS	
2375	200-W	299-W23-103	A7939	D	GG									HWIS	
2376	200-W	299-W23-104	A7940	D	GG									HWIS	
2377	200-W	299-W23-105	A7941	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2378	200-W	299-W23-106	A7942	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2379	200-W	299-W23-107	A7943	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2380	200-W	299-W23-108	A7944	D	GG	Virtual Library	Virtual Library				EM, XRD		Y	Ames 1976; Tallman et al. 1979	
2381	200-W	299-W23-109	A7945	D	GG	Virtual Library	Virtual Library						Y		
2382	200-W	299-W23-11	A4980	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
2383	200-W	299-W23-110	A7946	D	GG	Virtual Library	Virtual Library							HWIS	
2384	200-W	299-W23-111	A7947	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2385	200-W	299-W23-112	A7948	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2386	200-W	299-W23-113	A7949	D	GG	Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2387	200-W	299-W23-114	A7950	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2388	200-W	299-W23-115	A7951	D	GG									HWIS	
2389	200-W	299-W23-116	A7952	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2390	200-W	299-W23-117	A7953	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2391	200-W	299-W23-118	A7954	D	GG									HWIS	
2392	200-W	299-W23-119	A7955	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2393	200-W	299-W23-12	A4981	D										HWIS	
2394	200-W	299-W23-120	A7956	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2395	200-W	299-W23-121	A7957	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2396	200-W	299-W23-122	A7958	D										HWIS	
2397	200-W	299-W23-123	A7959	D										HWIS	
2398	200-W	299-W23-124	A7960	D		Virtual Library	Virtual Library						Y	HWIS	
2399	200-W	299-W23-125	A7961	D		Virtual Library	Virtual Library							HWIS	
2400	200-W	299-W23-126	A7962	D									Y	HWIS	
2401	200-W	299-W23-127	A7963	D									Y	HWIS	
2402	200-W	299-W23-128	A7964	D									Y	HWIS	
2403	200-W	299-W23-129	A7965	D										HWIS	
2404	200-W	299-W23-13	A4982	G	GG	Y	Y	Y					Y	Caggiano 1992	
2405	200-W	299-W23-130	A7966	D									Y	HWIS	
2406	200-W	299-W23-131	A7967	D									Y	HWIS	
2407	200-W	299-W23-132	A7968	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
2408	200-W	299-W23-133	A7969	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
2409	200-W	299-W23-134	A7970	D		Virtual Library	Virtual Library						Y	HWIS	
2410	200-W	299-W23-135	A7971	D		Virtual Library	Virtual Library		Field Rad				Y	HWIS	
2411	200-W	299-W23-136	A7972	D		Virtual Library	Virtual Library							HWIS	
2412	200-W	299-W23-137	A7973	D		Virtual Library	Virtual Library						Y	HWIS	
2413	200-W	299-W23-138	A7974	D		Virtual Library	Virtual Library						Y	HWIS	
2414	200-W	299-W23-139	A7975	D		Virtual Library	Virtual Library						Y	HWIS	
2415	200-W	299-W23-14	A4983	G	GG, SG	Y	Y	Y					Y	Caggiano 1992	
2416	200-W	299-W23-140	A7976	D		Virtual Library	Virtual Library						Y	HWIS	
2417	200-W	299-W23-141	A7977	D		Virtual Library	Virtual Library							HWIS	
2418	200-W	299-W23-142	A7978	D		Virtual Library	Virtual Library						Y	HWIS	
2419	200-W	299-W23-143	A7979	D		Virtual Library	Virtual Library						Y	HWIS	
2420	200-W	299-W23-144	A7980	D		Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2421	200-W	299-W23-145	A7981	D		Virtual Library	Virtual Library						Y		
2422	200-W	299-W23-146	A7982	D										HWIS	
2423	200-W	299-W23-147	A7983	D										HWIS	
2424	200-W	299-W23-148	A7984	D		Virtual Library							Y	HWIS	
2425	200-W	299-W23-149	A7985	D										HWIS	
2426	200-W	299-W23-15	A4984	G	GG, SG	Y	Y	Y					Y	Caggiano 1993	
2427	200-W	299-W23-150	A7986	D										HWIS	
2428	200-W	299-W23-151	A7987	D										HWIS	
2429	200-W	299-W23-152	A7988	D										HWIS	
2430	200-W	299-W23-153	A7989	D		Virtual Library							Y	HWIS	
2431	200-W	299-W23-154	A7990	D										HWIS	
2432	200-W	299-W23-155	A7991	D										HWIS	
2433	200-W	299-W23-156	A7992	D										HWIS	
2434	200-W	299-W23-157	A7993	D										HWIS	
2435	200-W	299-W23-158	A7994	D										HWIS	
2436	200-W	299-W23-159	A7995	D										HWIS	
2437	200-W	299-W23-16	A7885	G	GG, SG		Y	Y	VOA, Metals, An, Rad Lab					Singleton and Lindsey 1994 (all data)	
2438	200-W	299-W23-160	A7996	D										HWIS	
2439	200-W	299-W23-161	A7997	D										HWIS	
2440	200-W	299-W23-162	A7998	D										HWIS	
2441	200-W	299-W23-163	A7999	D		Virtual Library							Y	HWIS	
2442	200-W	299-W23-164	A8000	D										HWIS	
2443	200-W	299-W23-165	A8001	D										HWIS	
2444	200-W	299-W23-166	A8002	D										HWIS	
2445	200-W	299-W23-167	A8003	D		Virtual Library							Y	HWIS	
2446	200-W	299-W23-168	A8004	D		Virtual Library	Virtual Library						Y	HWIS	
2447	200-W	299-W23-169	A8005	D		Virtual Library	Virtual Library						Y	HWIS	
2448	200-W	299-W23-17	A7886	G	GG, SG		Y	Y	VOA, Metals, An, Rad Lab					Singleton and Lindsey 1994 (all data)	
2449	200-W	299-W23-170	A8006	D		Virtual Library	Virtual Library							HWIS	
2450	200-W	299-W23-171	A8007	D		Virtual Library	Virtual Library						Y	HWIS	
2451	200-W	299-W23-172	A8008	D		Virtual Library	Virtual Library						Y	HWIS	
2452	200-W	299-W23-173	A8009	D										HWIS	
2453	200-W	299-W23-174	A8010	D										HWIS	
2454	200-W	299-W23-175	A8011	D		Virtual Library	Virtual Library						Y	HWIS	
2455	200-W	299-W23-176	A8012	D										HWIS	
2456	200-W	299-W23-178	A8014	D									Y	HWIS	
2457	200-W	299-W23-179	A8015	D		Virtual Library	Virtual Library						Y	HWIS	
2458	200-W	299-W23-18			GG										

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2459	200-W	299-W23-180	A8016	D									Y	HWIS	
2460	200-W	299-W23-181	A8017	D		Virtual Library	Virtual Library						Y		
2461	200-W	299-W23-182	A8018	D		Virtual Library	Virtual Library						Y	HWIS	
2462	200-W	299-W23-183	A8019	D		Virtual Library	Virtual Library						Y	HWIS	
2463	200-W	299-W23-184	A8020	D		Virtual Library	Virtual Library						Y	HWIS	
2464	200-W	299-W23-185	A8021	D		Virtual Library	Virtual Library						Y	HWIS	
2465	200-W	299-W23-186	A8022	D										HWIS	
2466	200-W	299-W23-187	A8023	D										HWIS	
2467	200-W	299-W23-188	A8024	D		Virtual Library	Virtual Library						Y	HWIS	
2468	200-W	299-W23-189	A8025	D		Virtual Library	Virtual Library							HWIS	
2469	200-W	299-W23-19	B8809	G	NT, OT, SG	Y	Y	Y	1:1, An, Pwater, GEA, Sr-90, H-3, TC, TOC, IC, Aex, XRF, An, pH	%GSSC, Bden, Cond	XRD		Y*	Serne et al. 2001b	
2470	200-W	299-W23-190	A8026	D										HWIS	
2471	200-W	299-W23-191	A8027	D									Y	HWIS	
2472	200-W	299-W23-192	A8028	D									Y	HWIS	
2473	200-W	299-W23-193	A8029	D									Y	HWIS	
2474	200-W	299-W23-194	A8030	D									Y	HWIS	
2475	200-W	299-W23-195	A8031	D									Y	HWIS	
2476	200-W	299-W23-196	A8032	D									Y	HWIS	
2477	200-W	299-W23-197	A8033	D										HWIS	
2478	200-W	299-W23-198	A8034	D									Y	HWIS	
2479	200-W	299-W23-199	A8035	D									Y	HWIS	
2480	200-W	299-W23-2	A4985	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2481	200-W	299-W23-20	C3112	G		Y							Y	Horton and Johnson, 2001	
2482	200-W	299-W23-200	A8036	D									Y	HWIS	
2483	200-W	299-W23-201	A8037	D									Y	HWIS	
2484	200-W	299-W23-202	A8038	D									Y	HWIS	
2485	200-W	299-W23-203	A8039	D									Y	HWIS	
2486	200-W	299-W23-204	A8040	D									Y	HWIS	
2487	200-W	299-W23-205	A8041	D									Y	HWIS	
2488	200-W	299-W23-206	A8042	D									Y	HWIS	
2489	200-W	299-W23-207	A8043	D									Y	HWIS	
2490	200-W	299-W23-208	A8044	D									Y	HWIS	
2491	200-W	299-W23-21	C3113	G	NT, SG							Paleomag	Y	Horton and Johnson 2001; fPluhar 2002	
2492	200-W	299-W23-210	A8045	D										HWIS	
2493	200-W	299-W23-212	A8046	D									Y	HWIS	
2494	200-W	299-W23-213	A8047	D									Y	HWIS	
2495	200-W	299-W23-216	A8048	D									Y	HWIS	
2496	200-W	299-W23-218	A8049	D									Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2497	200-W	299-W23-220	A8050	D										HWIS	
2498	200-W	299-W23-223	A8051	D									Y	HWIS	
2499	200-W	299-W23-225	A8052	D									Y	HWIS	
2500	200-W	299-W23-226	A8053	D									Y	HWIS	
2501	200-W	299-W23-227	A8054	D									Y		
2502	200-W	299-W23-228	A9874	G				Y	Pu, Cs, Sr					Last et al. 1994	
2503	200-W	299-W23-229	A8055	D										HWIS	
2504	200-W	299-W23-231	A9518	D, G, Well summary	SG									HWIS	
2505	200-W	299-W23-234	B2828	G		Y	Y	Y	1:1, metals, An, pH, Pwater, GEA, Tc-99, Sr-90, TC, IC, Aex, XRF	%GSSC, CEC, Cond	TEM, XRD		Y*	Serne et al. 2001c	
2506	200-W	299-W23-3	A4986	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2507	200-W	299-W23-4	A4987	D	DN, GG, MO, NT, SG, TP	Virtual Library	Virtual Library						Y	HWIS	
2508	200-W	299-W23-5	A4988	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2509	200-W	299-W23-51	A7887	D, G	GG		Y						Y	HWIS	
2510	200-W	299-W23-52	A7888	D, G	GG	Virtual Library	Virtual Library				XRD, EM		Y	Ames 1976; Tallman et al. 1979	
2511	200-W	299-W23-53	A7889	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
2512	200-W	299-W23-54	A7890	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
2513	200-W	299-W23-55	A7891	D, G	GG	Virtual Library	Virtual Library						Y	HWIS	
2514	200-W	299-W23-56	A7892	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2515	200-W	299-W23-57	A7893	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2516	200-W	299-W23-58	A7894	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2517	200-W	299-W23-59	A7895	D	GG									HWIS	
2518	200-W	299-W23-6	A4989	D	GG, TP	Virtual Library	Virtual Library						Y	HWIS	
2519	200-W	299-W23-60	A7896	D	GG									HWIS	
2520	200-W	299-W23-61	A7897	D	GG									HWIS	
2521	200-W	299-W23-62	A7898	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2522	200-W	299-W23-64	A7900	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2523	200-W	299-W23-65	A7901	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2524	200-W	299-W23-66	A7902	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2525	200-W	299-W23-67	A7903	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2526	200-W	299-W23-68	A7904	D	GG	Virtual Library	Virtual Library						Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2527	200-W	299-W23-69	A7905	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2528	200-W	299-W23-7	A4990	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2529	200-W	299-W23-70	A7906	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2530	200-W	299-W23-71	A7907	D										HWIS	
2531	200-W	299-W23-72	A7908	D	GG	Virtual Library	Virtual Library				XRD, EM		Y	Ames 1976; Tallman et al. 1979	
2532	200-W	299-W23-73	A7909	D	GG	Virtual Library	Virtual Library						Y		
2533	200-W	299-W23-74	A7910	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2534	200-W	299-W23-75	A7911	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2535	200-W	299-W23-76	A7912	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2536	200-W	299-W23-77	A7913	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2537	200-W	299-W23-78	A7914	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2538	200-W	299-W23-79	A7915	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2539	200-W	299-W23-8	A4991	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2540	200-W	299-W23-80	A7916	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2541	200-W	299-W23-81	A7917	D	GG									HWIS	
2542	200-W	299-W23-82	A7918	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2543	200-W	299-W23-83	A7919	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2544	200-W	299-W23-84	A7920	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2545	200-W	299-W23-85	A7921	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2546	200-W	299-W23-86	A7922	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2547	200-W	299-W23-87	A7923	D	GG									HWIS	
2548	200-W	299-W23-88	A7924	D	GG									HWIS	
2549	200-W	299-W23-89	A7925	D	GG									HWIS	
2550	200-W	299-W23-9	A7883	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
2551	200-W	299-W23-90	A7926	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2552	200-W	299-W23-91	A7927	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2553	200-W	299-W23-92	A7928	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2554	200-W	299-W23-93	A7929	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2555	200-W	299-W23-94	A7930	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2556	200-W	299-W23-95	A7931	D	GG	Virtual Library	Virtual Library							HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2557	200-W	299-W23-96	A7932	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2558	200-W	299-W23-97	A7933	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2559	200-W	299-W23-98	A7934	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2560	200-W	299-W23-99	A7935	D	GG	Virtual Library	Virtual Library						Y	HWIS	
2561	200-W	299-W26-1	A8057	D	DN, GG, NT, SG									HWIS	
2562	200-W	299-W26-10	A4992	G	GG, SG		Y	Y					Y	Williams 1992	
2563	200-W	299-W26-11	A4993	D, G	GG	Virtual Library		Y	An, VOA, TOC, Lab Rad				Y	Airhart et al. 1990	
2564	200-W	299-W26-12	A5409	G	GG, SG		Y	Y					Y	Williams 1992	(CaCO3, moisture plots only, no tabulated data)
2565	200-W	299-W26-13	B8817	G	NT, SG			Y	Lab Rad, Metals, An, SVOA, VOA	Bden, %GSSC			Y	DOE 2004b	216-S-10 pond
2566	200-W	299-W26-14	B8828	G				Y	An, VOA, TOC, Lab Rad, Metals	Bden, %GSSC				HWIS, DOE 2004b	216-S-10 ditch
2567	200-W	299-W26-2	A8058	D	DN, GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	1 ft sieve/CaCO3, 5-100 ft
2568	200-W	299-W26-3	A5444	D	DN, GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	1 ft sieve/CaCO3, 5-90 ft
2569	200-W	299-W26-4	A8059	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2570	200-W	299-W26-5	A8060	D	DN, GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2571	200-W	299-W26-51	A8061	D	GG, SG				Field Rad				Y	HWIS	
2572	200-W	299-W26-6	A5445	D	SG				Field Rad				Y	HWIS	
2573	200-W	299-W26-7	A5446	G	GG	Virtual Library	Virtual Library	Y					Y	Williams 1992	
2574	200-W	299-W26-8	A4994	D, G	GG	Virtual Library		Y	An, VOA, TOC, Lab Rad				Y	Airhart et al. 1990	
2575	200-W	299-W26-9	A4995	D, G	GG	Virtual Library		Y	An, VOA, TOC, Lab Rad				Y	Airhart et al. 1990	
2576	200-W	299-W27-1	A8062	D									Y	HWIS	
2577	200-W	299-W27-2	A5410	G	GG, SG		Y	Y					Y	Williams and Barnett 1993	
2578	200-W	299-W6-1	A4996	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
2579	200-W	299-W6-10	A5435	G	GG, MG, SG		Y	Y	Field Rad				Y	Mercer 1993a	
2580	200-W	299-W6-11	A5436	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993a	
2581	200-W	299-W6-12	A5437	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993a	

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2582	200-W	299-W6-2	A4997	G	DN, GG, NT	Virtual Library	Virtual Library	Y					Y	Last et al. 1989	
2583	200-W	299-W6-3	A4998	G	GG, MG, SG	Y	Y	Y					Y		
2584	200-W	299-W6-4	A4999	G	GG, MG, SG	Y	Y	Y					Y		
2585	200-W	299-W6-5	A5000	G	GG, SG	Y	Y	Y					Y		
2586	200-W	299-W6-6	A5001	G	GG, MG, SG	Y	Y	Y					Y		
2587	200-W	299-W6-7	A5002	G	GG, SG	Y	Y	Y	Rad Release				Y		
2588	200-W	299-W6-8	A5003	G	CP, GG, SG	Y	Y	Y	Rad Release				Y		
2589	200-W	299-W6-9	A5434	G	GG, SG		Y	Y	Field Rad				Y	Mercer 1993a	
2590	200-W	299-W7-1	A5004	G	GG, NT	Virtual Library	Virtual Library							Bjornstad 1990	
2591	200-W	299-W7-10	A5005	G	GG			Y					Y	Barton 1990	
2592	200-W	299-W7-11	A5006	G	GG, SG	Y	Y	Y	Field Rad				Y	Mercer 1993b	
2593	200-W	299-W7-12	A5007	G	GG, SG	Y	Y	Y	Field Rad				Y	Mercer 1993b	
2594	200-W	299-W7-2	A5008	G	DN, GG, NT	Virtual Library	Virtual Library	Y	XRF, TC, IC, TOC	CEC, %GSSC	XRD			Ames and Serne 1991; Bjornstad 1990; Last et al. 1989; Schramke 1988	
2595	200-W	299-W7-3	A5009	G	DN, GG, NT	Virtual Library	Virtual Library	Y	XRF, TC, IC, TOC	CEC, %GSSC	XRD		Y	Ames and Serne 1991; Bjornstad 1990; Last et al. 1989; Schramke 1988	
2596	200-W	299-W7-4	A5010	G	DN, GG, NT	Virtual Library	Virtual Library						Y	Last et al. 1989	
2597	200-W	299-W7-5	A5011	G	DN, GG, NT	Virtual Library	Virtual Library		XRF, TC, IC, TOC	CEC, %GSSC	XRD		Y	Ames and Serne 1991; Bjornstad 1990; Last et al. no date; Schramke 1988	
2598	200-W	299-W7-51	A7133	D										HWIS	
2599	200-W	299-W7-52	A7134	D										HWIS	
2600	200-W	299-W7-53	A7135	D										HWIS	
2601	200-W	299-W7-6	A5012	G	DN, GG, NT	Virtual Library	Virtual Library	Y					Y	PNNL files	
2602	200-W	299-W7-7	A5013	G	GG			Y	Y				Y	Goodwin 1990	
2603	200-W	299-W7-8	A5014	G	GG	Y	Y	Y	Y				Y	Goodwin 1990	
2604	200-W	299-W7-9	A5015	G	GG	Y	Y	Y					Y	Barton 1990	
2605	200-W	299-W8-1	A5016	D, As-built	DN, GG, NT									HWIS	
2606	200-W	299-W9-1	A5017	D, G	DN, GG, NT	Virtual Library	Virtual Library	Y					Y	Bjornstad 1990; Last et al. 1989	

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2607	200-W	C3082	C3082	G		Y		Y	1:1, Alk, Gamma, Sr-90, H-3, Tc-99, U-238, TC, IC	Cond, %GSSC, XRD			Y*	Gardner and Reynolds 2000; Serne et al. 2002	
2608	200-W	C3102	C3102	G	NT, SG					Bden				Todd and Kahler-Royer 2002; HWIS	
2609	200-W	C3808	C3808	G	NT, SG	Y		Y	Metals, An, VOA, SVOA, lab rad					Bauer and Jacques 2002; DOE/RL-2003-11	216-Z-11
2610	200-W	C3830	C3830	G		Y	Y	Y	1:1, Aex, Alk, TC, TOC, GEA, alpha, beta					Reynolds 2003c, Serne et al 2004b	TX-105
2611	200-W	C3831	C3831	G		Y	Y	Y	1:1, Aex, Alk, TC, TOC, GEA, alpha, beta					Gardner, et al 2003a; Serne et al. 2004b	TX-107
2612	200-W	C3832	C3832	G		Y	Y	Y	1:1, Aex, Alk, TC, TOC, GEA, alpha, beta					Gardner et al. 2003b, Serne et al 2004b	TX-104
2613	200-W	C4104	C4104	G	NT, SG	Y	Y	Y	1:1, Aex, Alk, TC, TOC, GEA, alpha, beta					Reynold 2003a, Serne et al. 2004a	T-106
2614	200-W	C4105	C4105	G	NT, SG	Y	Y	Y	1:1, Aex, Alk, TC, TOC, GEA, alpha, beta					Reynolds 2003b, Serne et al. 2004a	T-106
2615	200-W	C4175	C4175	G, As-built	SG									HWIS	
2616	200-W	C4178	C4178		NT, SG										
2617	200-W	C4179	C4179		NT, SG										
2618	200-W	C4180	C4180		NT, SG										
2619	200-W	C4181	C4181		NT, SG										
2620	200-W	C4183	C4183		NT, SG										
2621	200-W	C4201	C4201	Well summary	SG									HWIS	
2622	200-W	C4202	C4202	Well summary	SG									HWIS	
2623	200-W	C4203	C4203	Well summary	SG									HWIS	
2624	200-W	C4204	C4204	Well summary	SG									HWIS	
2625	200-W	C4205	C4205	Well summary	SG									HWIS	
2626	200-W	C4206	C4206	Well summary	SG									HWIS	
2627	200-W	C4207	C4207	Well summary	SG									HWIS	
2628	200-W	C4209	C4209	Well summary	SG									HWIS	
2629	200-W	C4210	C4210	Well summary	SG									HWIS	
2630	200-W	C4211	C4211		SG										
2631	200-W	C4212	C4212	Well summary	SG									HWIS	
2632	200-W	C4213	C4213	Well summary	SG									HWIS	
2633	200-W	C4215	C4215	Well summary	SG									HWIS	
2634	200-W	C4217	C4217	Well summary	SG									HWIS	
2635	200-W	C4218	C4218	Well summary	SG									HWIS	
2636	200-W	C4219	C4219	Well summary	SG									HWIS	
2637	200-W	C4220	C4220	Well summary	SG									HWIS	
2638	200-W	C4221	C4221	Well summary	SG									HWIS	

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2639	200-W	C4222	C4222	Well summary	SG									HWIS	
2640	200-W	C4223	C4223	Well summary	SG									HWIS	
2641	200-W	C4224	C4224	Well summary	SG									HWIS	
2642	200-W	C4225	C4225	Well summary	SG									HWIS	
2643	200-W	C4226	C4226	Well summary	SG									HWIS	
2644	200-W	C4227	C4227	Well summary	SG									HWIS	
2645	200-W	C4228	C4228	Well summary	SG									HWIS	
2646	200-W	C4229	C4229	Well summary	SG									HWIS	
2647	200-W	C4231	C4231	Well summary	SG									HWIS	
2648	200-W	C4232	C4232	Well summary	SG									HWIS	
2649	200-W	C4548	C4548	Well summary	SG									HWIS	
2650	200-W	C4549	C4549	Well summary	NT, SG									HWIS	
2651	200-W	C4550	C4550	Well summary	SG									HWIS	
2652	200-W	C4551	C4551	Well summary	SG									HWIS	
2653	200-W	C4552	C4552	Well summary	SG									HWIS	
2654	200-W	C4553	C4553	Well summary	SG									HWIS	
2655	200-W	C4554	C4554	Well summary	SG									HWIS	
2656	200-W	C4555	C4555	Well summary	NT, SG									HWIS	
2657	200-W	C4556	C4556	Well summary	SG									HWIS	
2658	200-W	C4557	C4557	G, Well summary	SG									HWIS	
2659	300	399-1-10			DN, GG, NT										
2660	300	399-1-10A	A5411	As-built	SG									HWIS	
2661	300	399-1-10B	A8064	Well summary	GG		Y	Y		%GSSC				Swanson 1992; HWIS	
2662	300	399-1-11	A5020	As-built	DN, GG, NT					Pden, Por, Bden				Swanson 1992; HWIS	
2663	300	399-1-12	A5021	As-built	DN, GG, NT									HWIS	
2664	300	399-1-13			DN, GG, NT										
2665	300	399-1-13A	A5412	As-built	SG									HWIS	
2666	300	399-1-13B	A8065	Well summary	GG		Y	Y	Field Rad	Pden, Por, Bden, %GSSC				Swanson 1992; HWIS	
2667	300	399-1-14			DN, GG, NT										
2668	300	399-1-14A	A5413	As-built	SG									HWIS	
2669	300	399-1-14B	A8066	Well summary	GG		Y	Y	Field Rad	Pden, Por, Bden, %GSSC				Swanson 1992; HWIS	
2670	300	399-1-15	A5024	As-built	DN, GG, NT									HWIS	
2671	300	399-1-16A	A5025	As-built	DN, GG, NT									HWIS	
2672	300	399-1-16B	A5026	As-built	DN, GG, NT									Swanson 1992; HWIS	
2673	300	399-1-16C	A5027	As-built	CP, DN, GG, NT							C-14		Swanson 1992; HWIS	
2674	300	399-1-16D	A8067	As-built	DN, GG, NT									HWIS	
2675	300	399-1-17A	A5028	As-built	DN, GG, NT									HWIS	
2676	300	399-1-17B	A5029	As-built	CP, DN, GG, NT							C-14		HWIS	
2677	300	399-1-17C	A5030	As-built	DN, GG, NT									HWIS	
2678	300	399-1-18A	A5031	As-built	DN, GG, NT									HWIS	
2679	300	399-1-18B	A5032	As-built	DN, GG, NT									HWIS	
2680	300	399-1-18C	A5033	As-built	CP, DN, GG, NT									HWIS	
2681	300	399-1-19	A5034	As-built										HWIS	
2682	300	399-1-20	A8068	As-built	DN, GG									HWIS	
2683	300	399-1-21A	A5414	Well summary										HWIS	
2684	300	399-1-21B	A5415	Well summary	GG		Y	Y	Field Rad	%GSSC				Swanson 1992; HWIS	
2685	300	399-1-22	A8069	Well summary										HWIS	
2686	300	399-1-7	A5040	D, As-built	DN, GG, NT, TP									HWIS	

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2687	300	399-1-8	A5041	As-built	DN, GG, NT, SN									HWIS	
2688	300	399-1-9	A5042	As-built	DN, GG, NT									HWIS	
2689	300	399-2-1	A5043	As-built										HWIS	
2690	300	399-2-2	A5044	As-built										HWIS	
2691	300	399-2-3	A5045	As-built										HWIS	
2692	300	399-2-4	A8070	Well summary										HWIS	
2693	300	399-3-1	A5046	As-built										HWIS	
2694	300	399-3-10	A5047	As-built	DN, GG, NT, TP									HWIS	
2695	300	399-3-11	A8077	As-built										HWIS	
2696	300	399-3-12	A5048	As-built	DN, GG, NT, TP									HWIS	
2697	300	399-3-13	A8078	Well summary										HWIS	
2698	300	399-3-14	A8079	Well summary										HWIS	
2699	300	399-3-15	A8080	Well summary										HWIS	
2700	300	399-3-16	A8081	Well summary										HWIS	
2701	300	399-3-17	A8082	Well summary										HWIS	
2702	300	399-3-2	A8071	As-built										HWIS	
2703	300	399-3-3	A8072	As-built	NT									HWIS	
2704	300	399-3-4B	A8074	As-built										HWIS	
2705	300	399-3-6	A5049	As-built										HWIS	
2706	300	399-3-7	A5050	As-built										HWIS	
2707	300	399-3-8	A8076	As-built										HWIS	
2708	300	399-3-9	A5051	As-built	DN, GG, NT, TP									HWIS	
2709	300	399-4-1	A5052	As-built										HWIS	
2710	300	399-4-10	A5053	As-built	DN, GG, NT, TP									HWIS	
2711	300	399-4-11	A5054	As-built	DN, GG, NT									HWIS	
2712	300	399-4-12	A8089	As-built										HWIS	
2713	300	399-4-13	A8090	As-built										HWIS	
2714	300	399-4-5	A8086	As-built	SG									HWIS	
2715	300	399-4-7	A5055	As-built	NT									HWIS	
2716	300	399-4-8	A8088	As-built										HWIS	
2717	300	399-4-9	A5056	As-built	DN, GG, NT, TP									HWIS	
2718	300	399-5-1	A5057	As-built										HWIS	
2719	300	399-5-2	A8091	As-built	CP, SG									HWIS	
2720	300	399-5-3	A8092	As-built										HWIS	
2721	300	399-5-4A	A8093	Well summary										HWIS	
2722	300	399-5-4B	A8094	Well summary										HWIS	
2723	300	399-6-1	A5058	As-built										HWIS	
2724	300	399-6-2	A8095	Well summary										HWIS	
2725	300	399-8-1	A5059	As-built	DN									HWIS	
2726	300	399-8-2	A5060	As-built										HWIS	
2727	300	399-8-3	A5061	As-built										HWIS	
2728	300	399-8-4	A8096	As-built										HWIS	
2729	300	399-8-5A	A5416	Well summary										HWIS	
2730	300	399-8-5B	A5417	Well summary										HWIS	
2731	300	399-8-5C	A5418	Well summary	GG, SG		Y	Y	Field Rad	%GSSC				Swanson 1992; HWIS	
2732	300	399-8-5D	A8097	Well summary										HWIS	
2733	400	499-S1-8B	A8107	As-built	SG									HWIS	
2734	400	499-S1-8L	A8116	As-built	SG									HWIS	
2735	600	699-101-48A	A9101	As-built										HWIS	Groundwater monitoring
2736	600	699-101-48B	A5066	As-built	TP									HWIS	Groundwater monitoring
2737	600	699-101-48C	A9102	As-Built										HWIS	Groundwater monitoring
2738	600	699-10-54A	A5063	D, G, As-built	NT, TP									HWIS	
2739	600	699-10-54B	A5064	D, As-built	CP, GG, NT, SN									HWIS	

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2740	600	699-10-E12	A5065	D, As-built	TP									HWIS	
2741	600	699-10-E12P	A9579		TP										
2742	600	699-112-37	A9111	D, As-built	GG									HWIS	
2743	600	699-11-45A	A5067	D	NT, TP									HWIS	
2744	600	699-11-45B	A8216		NT										
2745	600	699-11-45C	A8217	D	GG, NT									HWIS	
2746	600	699-115-61	A9115	D, As-built	GG, SG									HWIS	
2747	600	699-1-18	A8120	D, As-built	CP, GG, NT, TP									HWIS	
2748	600	699-13-0A	C3256	G										Faurote 2001	
2749	600	699-13-1D	C3251	G										Faurote 2001	
2750	600	699-13-2C	A8265	G										Faurote 2001	
2751	600	699-13-2D	C3254	G										Faurote 2001	
2752	600	699-13-64	A8272	D, As-built	GG, NT, SG, TP									HWIS	
2753	600	699-14-38	A5068	D, As-built	TP									HWIS	
2754	600	699-14-38P	A9583		TP										
2755	600	699-14-47	A5069	D, As-built	GG, NT, TP									HWIS	
2756	600	699-14-E6P	A8311	D, As-built	TP									HWIS	
2757	600	699-15-15			TP										
2758	600	699-15-15A	A5071	D, As-built	TP									HWIS	
2759	600	699-15-15B	A8318	D, As-built	TP									HWIS	
2760	600	699-15-15F	A8322	As-built	CP, GG, NT, SN									HWIS	
2761	600	699-15-15G	A8323	As-built	CP, NT, SN									HWIS	
2762	600	699-15-15P			TP										
2763	600	699-15-26	A5072	D, As-built	GG, NT, TP									HWIS	
2764	600	699-15-52			NT										
2765	600	699-15-E13	A8338	As-built	CP, GG, NT, SN									HWIS	
2766	600	699-16-51	A8345	D			Y	Y	pH	%GSSC, Por, Bden, CEC				Routson and Fecht 1979	
2767	600	699-17-26H	A8368									Paleomag	Y	VanAlstine 1982	
2768	600	699-17-27P	C4570	G	SG									HWIS	
2769	600	699-17-47	A8370	D, As-built	GG, NT, TP									HWIS	
2770	600	699-17-5	A5073	D, As-built	GG, NT, TP									HWIS	
2771	600	699-17-70	A5074	D, As-built	GG, NT, TP									HWIS	
2772	600	699-18-21	A8376	D, As-built	DN, GG, MG, NT									HWIS	
2773	600	699-19-23	A8406	D, As-built	MG									HWIS	
2774	600	699-19-43	A5075	D, As-built	GG, NT, TP									HWIS	
2775	600	699-19-47		D					H-3					Isaacson et al. 1974	
2776	600	699-19-47A	A8412	D, As-built	GG, NT, TP									HWIS	
2777	600	699-19-47B	A8413		NT, TP										
2778	600	699-19-48		D			Y	Y	pH	%GSSC, Por, Bden, CEC				Routson and Fecht 1979	
2779	600	699-19-51	A8416	D	NT		Y	Y	pH	%GSSC, Por, Bden, CEC				Routson and Fecht 1979	
2780	600	699-19-58	A5076	D, As-built	GG, NT, TP									HWIS	
2781	600	699-19-58P	B8676		TP										
2782	600	699-19-88	A5077	D, As-built	TP									HWIS	
2783	600	699-20-20	A5080	D, As-built	GG, NT, TP									HWIS	
2784	600	699-20-39	A5081	D, As-built	TP									HWIS	
2785	600	699-20-39 Q&O			TP										
2786	600	699-20-39P	A9608		TP										
2787	600	699-20-41	A8424	As-built	GG, NT									HWIS	
2788	600	699-20-82	A8425	D, As-built	CP, GG, NT, SG, TP									HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2789	600	699-20-E12	A5085	D, As-built	TP									HWIS	
2790	600	699-20-E12P&Q			TP										
2791	600	699-20-E12Q	A9615		TP										
2792	600	699-20-E12R	A9616		TP										
2793	600	699-20-E5A	A8428	D, As-built	GG, NT									HWIS	
2794	600	699-20-E5P	A8429	D, As-built	TP									HWIS	
2795	600	699-21-17	A5086		GG, NT										
2796	600	699-21-6	A8438	D, As-built	GG, NT									HWIS	
2797	600	699-22-35	A8443	G, As-built	GG, SG									HWIS	
2798	600	699-22-55	A8444	D	NT		Y	Y	pH	%GSSC, Por, Bden, CEC				Routson and Fecht 1979	
2799	600	699-22-70	A8445	D, As-built	CP, TP									HWIS	
2800	600	699-22-70P	A9480		TP										
2801	600	699-2-3	A5078	D, As-built	GG, NT, TP									HWIS	
2802	600	699-2-33			TP										
2803	600	699-23-33	A8449		GG, NT										
2804	600	699-23-34		G	GG, NT	Y		Y						Fruland et al. 1989	
2805	600	699-23-34B	A8450	G, As-built	GG, SG									HWIS	
2806	600	699-2-33A	A5079	D, As-built	GG, NT									HWIS	
2807	600	699-2-33P			TP										
2808	600	699-24-1 P			TP										
2809	600	699-24-33	A5089	D, G, As-built	TP		Y		pH	CEC, %GSSC, 15-Atm				McHenry 1957	
2810	600	699-24-34A	A5090	G	GG, NT	Y		Y						Fruland et al. 1989	
2811	600	699-24-34B	A5091	D, As-built	GG, NT	Y		Y						HWIS; Fruland et al. 1989	
2812	600	699-24-34C	A5092	G	GG, NT	Y		Y						Fruland et al. 1989	
2813	600	699-24-35	A5093	G	GG, NT	Y		Y						Fruland et al. 1989	
2814	600	699-24-46	A8457	D, As-built	GG, NT, TP									HWIS	
2815	600	699-24-E1 P			TP										
2816	600	699-25-33A	A5094	G		Y	Y	Y						Weekes et al. 1987	
2817	600	699-25-33B	A8462	G	NT	Y	Y	Y						Weekes et al. 1987	
2818	600	699-25-34A	A5095	G	GG, NT	Y	Y	Y						Weekes et al. 1987	
2819	600	699-25-34B	A5096	G	GG, NT									Weekes et al. 1987	
2820	600	699-25-34C	A5097	G	DN, GG, NT	Y		Y						Fruland et al. 1989	
2821	600	699-25-34D	A5419	G	GG, SG		Y	Y						Hodges 1993	
2822	600	699-25-55	A5098	D	TP		Y		pH	CEC, %GSSC, 15-Atm				McHenry 1957	
2823	600	699-25-70	A5099	D	GG, NT, TP		Y		pH	CEC, %GSSC, 15-Atm				McHenry 1957	
2824	600	699-25-70P	A9621		TP										

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2825	600	699-25-80	A8465	D, As-built	CP, GG, NT, OT, SN, TP									HWIS	
2826	600	699-26-15			TP										
2827	600	699-26-29			GG, NT										
2828	600	699-26-33	A5101	G	GG, NT	Y	Y	Y						Weekes et al. 1987	
2829	600	699-26-34		G		Y	Y	Y						Weekes et al. 1987	
2830	600	699-26-34A	A5102	D, As-built	GG, NT									HWIS	
2831	600	699-26-34B	A5420	G	GG	Y	Y	Y						Hodges 1993	
2832	600	699-26-34D			SG										
2833	600	699-26-35A	A5103	G	GG, NT	Y	Y	Y						Weekes et al. 1987	
2834	600	699-26-35B	A8471	G	GG, NT	Y	Y	Y						Weekes et al. 1987	
2835	600	699-26-35C	A5104	G	GG, NT	Y	Y	Y						Weekes et al. 1987	
2836	600	699-26-35D	A8472	G	GG, NT		Y	Y						Weekes et al. 1987	
2837	600	699-26-47	A8473	D	NT		Y	Y	pH	%GSSC, Por, Bden, CEC				Routson and Fecht 1979	
2838	600	699-26-51	A8474	D	NT		Y	Y	pH	%GSSC, Por, Bden, CEC				Routson and Fecht 1979	
2839	600	699-26-83A	A8476	As-built	GG, NT		Virtual Library	Y		Bden, %GSSC		Date		HWIS; Baker et al. 1991; Virtual Library 2000 (PPl only, includes descriptions)	
2840	600	699-26-83B	A8477	As-built	NT									HWIS	
2841	600	699-26-89	A5108	D, As-built	GG, NT, TP									HWIS	
2842	600	699-27-8	A5109	D, As-built	GG, NT, TP									HWIS	
2843	600	699-28-40	A5110	D, As-built	TP									HWIS	
2844	600	699-28-40P	A9628		TP										
2845	600	699-28-49	A8486	D	NT		Y	Y	pH	%GSSC, Por, Bden, CEC				Routson and Fecht 1979	
2846	600	699-28-52A	A5111	D, As-built	NT, TP									HWIS	
2847	600	699-28-52B	A8487	D, As-built	GG, NT									HWIS	
2848	600	699-28-55	A8488	D	GG, NT, TP		Y	Y	pH	%GSSC, Por, Bden, CEC				Routson and Fecht 1979	
2849	600	699-29-4	A8490	D, As-built	GG, NT									HWIS	
2850	600	699-29-70A	A8491	As-built	CP, GG, NT, SN									HWIS	
2851	600	699-29-70C	A8492	As-built	CP, GG, NT, SN									HWIS	
2852	600	699-29-70D	A8493	As-built	CP, GG, NT, SN									HWIS	
2853	600	699-29-78	A5121	D	GG, NT, TP	Virtual Library	Virtual Library						Y	HWIS	
2854	600	699-29-83	A8494	As-built	CP, GG, NT							Paleomag	Y	HWIS; WCC 1982	
2855	600	699-2-E14	A8124	As-built	CP, GG, NT, SN, TP									HWIS	
2856	600	699-30-16	A8495		GG, NT										
2857	600	699-30-25A	A8496		GG, NT										

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2858	600	699-30-26C									PC, PbC			Goodwin 1993	
2859	600	699-30-47	A8499	D, As-built	NT		Y	Y	pH	%GSSC, Por, Bden, CEC				HWIS; Routson and Fecht 1979	
2860	600	699-30-51	A8500	D	NT		Y	Y	pH	%GSSC, Por, Bden, CEC				Routson and Fecht 1979	
2861	600	699-30-55	A8501	D	NT		Y	Y	pH	%GSSC, Por, Bden, CEC				Routson and Fecht 1979	
2862	600	699-30-66	C4298	G, Well summary	SG									HWIS	
2863	600	699-31-11	A8503	D, As-built	GG, MG, NT									HWIS	
2864	600	699-31-17	A8504	D, As-built	GG, MG, NT, SN									HWIS	
2865	600	699-31-30					Y		pH	CEC, %GSSC, 15-Atm				McHenry 1957	
2866	600	699-31-65	A5124	D, As-built	GG									HWIS	
2867	600	699-31-8	A8502		GG, MG, NT										
2868	600	699-31-84A	A8509	As-built	CP, GG, NT, SN									HWIS	
2869	600	699-31-84B	A5125	As-built	CP, GG, NT									HWIS	
2870	600	699-31-84C	A8510	As-built	CP, GG, NT, SN									HWIS	
2871	600	699-32-18	A8511		GG, NT										
2872	600	699-32-22			GG, NT										
2873	600	699-32-22B	A8512	G	CP, GG, SG, TP									Chamness et al. 1993	Savage Island well
2874	600	699-32-26	A8513		GG, NT										
2875	600	699-32-31	A8514		GG, NT										
2876	600	699-32-42	A8516	D, As-built	GG, NT									HWIS	
2877	600	699-32-43	A5127	D, As-built	GG, NT									HWIS	
2878	600	699-32-49					Y	Y	H-3, pH	%GSSC, Por, Bden, CEC				Isaacson et al 1974; Routson and Fecht 1979	
2879	600	699-32-49A	A8517	D, As-built	NT									HWIS	
2880	600	699-32-49B	A8518	D, As-built	NT									HWIS	
2881	600	699-32-49D	A8520		NT										
2882	600	699-32-62	A5128	D, As-built	GG, SG									HWIS	
2883	600	699-32-70B	A5129	D, As-built	GG, NT, SG									HWIS	
2884	600	699-32-72		D	GG, NT, SG	Virtual Library	Virtual Library						Y		
2885	600	699-32-72B	A9525	G	GG, SG	Y	Y	Y		Sp. G, Bden, Por				Weekes et al. 1995	
2886	600	699-32-77	A5131	D	GG, NT, SG	Virtual Library	Virtual Library						Y	HWIS	
2887	600	699-33-14	A8526		GG, NT										
2888	600	699-33-42	A5132	D, As-built	GG, NT									HWIS	
2889	600	699-33-6	A8525		GG, NT, SN										
2890	600	699-34-39			GG, NT										
2891	600	699-34-39A	A5134	D				Y	pH	CEC, %GSSC, 15-Atm				McHenry 1957	
2892	600	699-34-41			GG, NT										
2893	600	699-34-42	A5136	D, As-built	GG, NT									HWIS	
2894	600	699-3-45	A5122	D, As-built	GG, NT, SG, TP									HWIS	
2895	600	699-34-51	A5137	D, As-built			Y		pH	CEC, %GSSC, 15-Atm				HWIS; McHenry 1957	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2896	600	699-34-61	A5463	G	GG, SG	Y	Y	Y		Sp. G, Bden, Por				Weekes et al. 1995	
2897	600	699-34-88	A5138	D, As-built	GG, NT									HWIS	
2898	600	699-34-89			CP, GG, NT		Y		pH	CEC, %GSSC, 15-Atm				McHenry 1957	
2899	600	699-34-89B	A8543	As-built	CP, GG, NT, SN									HWIS	
2900	600	699-34-98	A8544	D, As-built			Y	Y		Bden, %GSSC				Virtual Library 2000 (PPl only, includes descriptions	
2901	600	699-35-16	A8549		GG, NT										
2902	600	699-35-19B	A8551		GG, NT										
2903	600	699-35-27	A8554	As-built	CP, NT									HWIS	
2904	600	699-35-28	A8555		GG, NT										
2905	600	699-35-58	A8557	As-built		Y								Bergeron et al. 1987; HWIS	
2906	600	699-35-61A	A5456	G	GG	Y	Y	Y		Sp. G, Bden, Por				Weekes et al. 1995	
2907	600	699-35-65A	A5454	G	GG, SG	Y	Y	Y		Sp. G, Bden, Por				Weekes et al. 1995	
2908	600	699-35-66			GG, NT, SG										
2909	600	699-35-66B	A5453	G	GG, SG	Y	Y	Y		Sp. G, Bden, Por				Weekes et al. 1995	
2910	600	699-35-68A	A5452	G	SG	Y	Y	Y		Sp. G, Bden, Por				Weekes et al. 1995	
2911	600	699-35-68B	A9823	G	GG									CH2M HILL files	
2912	600	699-35-69A	A5451	G	GG, SG	Y	Y	Y		Sp. G, Bden, Por				Weekes et al. 1995	
2913	600	699-35-69B	A9824	G										CH2M HILL files	
2914	600	699-35-70	A5140	D	GG, NT, SG		Y		pH	CEC, %GSSC, 15-Atm				McHenry 1957	
2915	600	699-35-78A	A5141	D	GG, NT	Virtual Library	Virtual Library						Y	HWIS	
2916	600	699-35-78B	A8559	As-built	CP, GG, NT, SN	Virtual Library	Virtual Library						Y	HWIS	
2917	600	699-35-9	A5142	D, As-built	GG, NT									HWIS	
2918	600	699-36-1	A8561		GG, NT										
2919	600	699-36-17	A8564		GG, NT										
2920	600	699-36-2	A8562		GG, NT, SN										
2921	600	699-36-27	A8566		GG, NT										
2922	600	699-36-58A	A8571	As-built		Y								Bergeron et al. 1987; HWIS	
2923	600	699-36-58B	A8572	As-built		Y								Bergeron et al. 1987	
2924	600	699-36-61		D		Y	Y		pH	CEC, %GSSC, 15-Atm				Brown 1960; McHenry 1957	
2925	600	699-36-61A	A5144	D, As-built	GG, NT, SG									HWIS	
2926	600	699-36-61B	A8573	D	GG, NT, SG	Y	Y		pH	CEC				Brown 1960	

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2927	600	699-36-63A	A5455	G	GG, SG	Y	Y	Y		Sp. G, Bden, Por				Weekes et al. 1995	
2928	600	699-36-63B		G		Y	Y	Y		Sp. G, Bden, Por				Weekes et al. 1995	
2929	600	699-36-67	B2733	G										CH2M HILL files	
2930	600	699-36-70A	A9901	D, G, As-built	GG									HWIS	
2931	600	699-36-93	A5145	D, As-built	GG, NT									HWIS	
2932	600	699-36-E3	A8574		GG, NT, SN										
2933	600	699-37-22	A8577											Virtual Library 2000 (PPl only, includes descriptions	
2934	600	699-37-43	A5146	D, As-built	GG, NT									HWIS	
2935	600	699-37-47A	B2822	G	GG						XRD		Y	Lindberg et al.1997	
2936	600	699-37-68	B2732	G										CH2M HILL files	
2937	600	699-37-82B	A8580	D, As-built	NT									HWIS	
2938	600	699-37-82D	A8582	D, As-built	GG, NT, SN									HWIS	
2939	600	699-37-83	A8583	As-built	CP									HWIS	
2940	600	699-37-84	A8584	As-built	GG, NT		Y	Y		Bden, %GSSC		Date		HWIS; Baker et al. 1991; Virtual Library 2000 (PPl only, includes descriptions)	
2941	600	699-37-89	A8585	As-built	CP									HWIS	
2942	600	699-37-92	A8586	As-built	GG, NT				XRF		PC, PbC, XRD			HWIS; Goodwin 1993; Virtual Library 2000 (PPl only, includes descriptions); Horton files	
2943	600	699-37-E1	A8587		GG, NT										
2944	600	699-38-15	A8594	D, G	GG, NT									HWIS	
2945	600	699-38-19	A8595		GG, NT										
2946	600	699-38-34			GG, NT										
2947	600	699-38-43					Y		pH	CEC, %GSSC, 15-Atm				McHenry 1957	
2948	600	699-38-61	A5464	G	GG, SG	Y	Y	Y		Sp. G, Bden, Por				Weekes et al. 1995	
2949	600	699-38-65	A5148	D, As-built	GG, SG									HWIS	
2950	600	699-38-68A	A9516	Well summary	GG, SG	Y								HWIS, see R. Khaleel or G. Freeman for sieve data	
2951	600	699-38-70	A5149	D, As-built	GG, NT, SG									HWIS	
2952	600	699-38-70B	C4236	G	SG									Martinez 2004	200-UP-1
2953	600	699-38-70C	C4256	G	SG									Martinez 2004	200-UP-1

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2954	600	699-38-9	A8592		GG, NT										
2955	600	699-38-E0	A8599		GG, NT										
2956	600	699-39-0	A8600	D	GG, NT									HWIS	
2957	600	699-39-103	A8617	As-built	CP, GG, NT									HWIS	
2958	600	699-39-23B			GG, NT										
2959	600	699-39-39	A5150	D, As-built	GG, NT									HWIS	
2960	600	699-39-79	A5151	D, As-built	GG, NT									HWIS	
2961	600	699-39-7A	A8603	As-built	GG, MG, NT, SG, SN									HWIS	
2962	600	699-39-7B	A8604	As-built	NT, SG									HWIS	
2963	600	699-39-7F	B2606	As-built	GG									HWIS	
2964	600	699-39-7H	B2608	As-built	GG, NT, SG									HWIS	
2965	600	699-39-7L	B2612	As-built	GG, NT									HWIS	
2966	600	699-39-7M	B2613	As-built	GG, NT, SG									HWIS	
2967	600	699-39-7N	B2614	As-built	GG, NT									HWIS	
2968	600	699-39-7O	B2615	As-built	GG, NT									HWIS	
2969	600	699-39-82	A8607	As-built	GG, NT									HWIS	
2970	600	699-39-84A	A8608	As-built	CP, GG, NT, OT, SN									HWIS	
2971	600	699-39-84B	A8609	As-built	CP, GG, NT									HWIS	
2972	600	699-39-84C	A8610		CP, GG, NT, SN										
2973	600	699-40-1	A5152	D, As-built	GG, NT									HWIS	
2974	600	699-40-12A	A8627	D, As-built	GG									HWIS	
2975	600	699-40-12B	A8628		GG, NT										
2976	600	699-40-12C	A8629		GG, NT										
2977	600	699-40-13	A8636		GG, NT						PC, PbC			Goodwin 1993	
2978	600	699-40-20	A8637		GG, NT										
2979	600	699-40-33		D			Y		pH	CEC, %GSSC, 15-Atm				McHenry 1957	
2980	600	699-40-33C	A8642	D, As-built	GG, NT, SN									HWIS	
2981	600	699-40-35		G		Y	Y	Y	Field Rad	Por , SpG			Y	Sweeney 1992	
2982	600	699-40-36	A5154	G	GG, SG	Y	Y	Y	Field Rad, Metals, An, VOA, SVOA, CrIV, CN	Por , SpG			Y	Barnett 1993; Sweeney 1992; PNNL files	
2983	600	699-40-37		G			Y		Field Rad	Por , SpG			Y	Sweeney 1992	
2984	600	699-40-39	A5155	G	GG	Virtual Library		Y	An, Rad, TOC, XRF				Y	PNNL files	
2985	600	699-40-39B		G										CH2M HILL files	
2986	600	699-40-40A	A5156	G	GG								Y	Delaney 1992; CH2M HILL files	
2987	600	699-40-40B	A5157	G	GG, SG								Y	Delaney 1992a	
2988	600	699-40-43			GG										
2989	600	699-40-6	A8621		GG, NT										
2990	600	699-40-62	A5158	D	GG, NT		Y		pH	CEC, %GSSC, 15-Atm				McHenry 1957	
2991	600	699-40-65	C4235	G	SG									Martinez 2004	200-UP-1
2992	600	699-40-80	A8643	D	CP, GG, NT								Y	HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
2993	600	699-40-84	A8644	As-built	GG, NT		Y	Y	XRF	Bden, %GSSC	XRD, PC, PbC	Date		HWIS; Baker et al. 1991; Goodwin 1993; Lindsey 1991; Virtual Library 2000 (PPl only, includes descriptions); Horton files	
2994	600	699-41-1			GG, NT										
2995	600	699-41-25	A8652		GG, NT										
2996	600	699-41-31	A8653		GG, NT										
2997	600	699-41-35	A5160	G	GG, SG	Y	Y	Y	Metals, An, VOA, SVOA, CrIV, CN					Barnett 1993; PNNL files, see R. Khaleel or G. Freeman for sieve data	
2998	600	699-41-39				Y								see R. Khaleel or G. Freeman for sieve data	
2999	600	699-41-40	A5161	G	CP, GG, OT	Virtual Library		Y	An, Rad, TOC, XRF					PNNL files	
3000	600	699-41-41	A8655	G	GG								Y	HWIS	
3001	600	699-41-42	A5162	G	GG, MG		Y	Y					Y	Delaney 1993	
3002	600	699-41-5	A8648		CP, GG, MG, NT, SG, SN										
3003	600	699-41-72			MG, SG										
3004	600	699-41-91	A8659	As-built	CP, GG, NT, OT, SN									HWIS	
3005	600	699-42-10	A8662		GG, NT										
3006	600	699-42-12B	A8663	D, As-built	GG, NT									HWIS	
3007	600	699-42-2	A8660	D, As-built	GG, NT									HWIS	
3008	600	699-42-21	A8665		GG, NT										
3009	600	699-42-30	A8668								PC, PbC			Goodwin 1993	
3010	600	699-42-37	A5164	G	GG, SG	Y		Y	Metals, An, VOA, SVOA, CrIV, CN	SpG, Bden, Por				Barnett 1993; PNNL files, see R. Khaleel or G. Freeman for sieve data	
3011	600	699-42-39A	A5165	G	GG								Y	Delaney 1992a	
3012	600	699-42-39B	A5166	G	GG								Y	Delaney 1992a	
3013	600	699-42-40A	A5167	D, G		Y	Y	Y		SpG , Por			Y	HWIS	
3014	600	699-42-40B	A5168	D, G		Y	Y	Y		SpG , Por			Y	HWIS	
3015	600	699-42-40C	A5169	D	CP, GG, NT, SN								Y	HWIS	
3016	600	699-42-41	A5170	G		Y	Y	Y		SpG , Por			Y	Delaney 1992a	
3017	600	699-42-41A	A9914	As-built	GG									HWIS	
3018	600	699-42-41B	A8669	D, G, As-built	GG									HWIS	
3019	600	699-42-42A	A8670	D	GG, NT								Y	HWIS	

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3020	600	699-42-42B	A5171	G	DN, GG, NT	Y	Y	Y						Delaney 1992b; Luttrell et al. 1991	
3021	600	699-42-88	A8672	G, As-built	CP, GG, NT, SN									HWIS	
3022	600	699-42-E9A	A8673	D, G	CP, GG, SG, TP				Wet Chem					DOE 1993c; Chamness et al. 1993	Savage Island well
3023	600	699-42-E9B	A8674	G	CP, GG, MG, OT, TP									Chamness et al. 1993	Savage Island well
3024	600	699-43-104	A5172	D, As-built	GG, NT, SG									HWIS	
3025	600	699-43-18	A8680		GG, NT										
3026	600	699-43-23	A8681		GG, NT										
3027	600	699-43-3	A8677	D, As-built	GG, NT									HWIS	
3028	600	699-43-40	A5173	G	GG, MG, SG	Y	Y	Y		SpG , Por			Y	Delaney 1992a	
3029	600	699-43-41A	A8682	D, G									Y	HWIS	
3030	600	699-43-41B	A8683	D									Y	HWIS	
3031	600	699-43-41C	A8684	D										HWIS	
3032	600	699-43-41D	A8685	D										HWIS	
3033	600	699-43-41E	A5174	G	GG	Virtual Library			An, Rad, TOC, XRF				Y	PNNL files	
3034	600	699-43-41F	A5175	G	GG	Virtual Library		Y	An, Rad, TOC, XRF				Y	PNNL files	
3035	600	699-43-41G	A5176	G	GG, SG	Y	Y	Y		SpG, Por			Y	Delaney 1992a	
3036	600	699-43-41H	A8686	D, G, Well summary	GG									HWIS	
3037	600	699-43-41K		G									Y	PNNL files	
3038	600	699-43-42	A5177	D, As-built	GG, NT									HWIS	
3039	600	699-43-42A	A8687	D, G									Y	HWIS	
3040	600	699-43-42B	A8688	D									Y	HWIS	
3041	600	699-43-42C	A8689	D									Y	HWIS	
3042	600	699-43-42D	A8690	D									Y	HWIS	
3043	600	699-43-42E	A8691	D										HWIS	
3044	600	699-43-42F	A8692	G				Y					Y	Delaney 1992b	
3045	600	699-43-42G	A8693	D										HWIS	
3046	600	699-43-42H	A8694	D									Y	HWIS	
3047	600	699-43-42J	A5178	G	DN, GG, NT	Y	Y	Y					Y	Luttrell et al. 1991	
3048	600	699-43-42K	A8695	D, G, As-built	DN, GG, NT									HWIS	
3049	600	699-43-43	A5179	G	DN, GG, NT	Virtual Library	Y	Y					Y	Delaney 1992b; Luttrell et al. 1991	
3050	600	699-43-44	B8758	G	NT, SG				Metals, An, SVOA, VOA, Lab Rad					Cearlock et al. 2000	
3051	600	699-43-45	A5180	G	GG	Virtual Library		Y	An, Rad, TOC, XRF				Y	PNNL files	
3052	600	699-43-81	A8696	As-built	CP, GG, NT									HWIS	
3053	600	699-43-83	A8697	D, As-built	GG, NT									HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
3054	600	699-43-84	A8698	As-built	GG, NT, SN		Y	Y	StIso	Bden, %GSSC	XRD	Date, Paleomag		HWIS; Baker et al. 1991; Virtual Library 2000 (PPl only, includes descriptions; Horton files; Bjornstad 1984; WCC 1982	
3055	600	699-43-89	A5181	D, As-built	GG, NT, SN									HWIS	
3056	600	699-43-9	A8679		GG, NT										
3057	600	699-43-91A	A8700	As-built	CP, GG, NT, SN									HWIS	
3058	600	699-43-91B	A8701	As-built	CP, GG, NT, SN									HWIS	
3059	600	699-43-91D	A5184	As-built	CP, GG, NT, SN									HWIS	
3060	600	699-44-16	A8705		GG, NT										
3061	600	699-44-28	A8707		GG										
3062	600	699-44-39B	A5185	G	GG, SG		Y	Y					Y	Delaney 1993	
3063	600	699-44-4	A8703	D	GG, NT										
3064	600	699-44-42	A5186	G	GG	Virtual Library	Y	Y					Y	Delaney 1992b; Luttrell et al. 1991	
3065	600	699-44-43A	A8710	D, G									Y	HWIS	
3066	600	699-44-43B	A5187	G	GG	Y		Y	An, Rad, TOC, XRF				Y	PNNL files	
3067	600	699-44-64	A5188	D, As-built	GG, NT									HWIS	
3068	600	699-44-7	A8704		GG, MG, NT, OT, SG, TP										
3069	600	699-44-70	A8712	As-built	CP, GG, NT, SN									HWIS	
3070	600	699-44-7S			MG										
3071	600	699-44-91	A8713	As-built	CP, GG, NT, SN									HWIS	
3072	600	699-45-2	A8715	As-built	GG, NT									HWIS	
3073	600	699-45-24	A8719		GG, NT										
3074	600	699-45-30	A8721		GG, NT										
3075	600	699-45-4	A8716	D	GG, NT									HWIS	
3076	600	699-45-42	A5195	D, As-built	GG, NT		Y		pH	CEC, %GSSC, 15-Atm				HWIS; McHenry 1957	
3077	600	699-45-69A	A5196	D, As-built	GG, NT									HWIS	
3078	600	699-45-78	A8723	D	GG, NT, SN								Y	HWIS	
3079	600	699-46-21B	A5197	D, As-built	GG, NT									HWIS	
3080	600	699-46-3	A8725		GG, NT										
3081	600	699-46-31	A8735		GG										
3082	600	699-46-32	A8736		GG, NT										
3083	600	699-46-33	A8737		GG, NT										
3084	600	699-46-4	A8726	D, As-built	GG, NT									HWIS	
3085	600	699-46-46	A8738	G		Virtual Library	Virtual Library						Y	HWIS	
3086	600	699-46-5	A8727	As-built	GG, MG, NT, OT, SG, SN, TP									HWIS	
3087	600	699-46-5S			MG										
3088	600	699-46-79	A8739	D	DN, GG									HWIS	

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3089	600	699-46-85										Paleomag		Virtual Library 2000 (PPl only, includes descriptions); WCC 1982	
3090	600	699-46-85A	A8741	As-built	GG, NT									HWIS	
3091	600	699-46-85B	A8742	As-built	CP, GG, NT									HWIS	
3092	600	699-47-25	A8747		GG										
3093	600	699-47-35B	A5199	D, As-built	GG, NT									HWIS	
3094	600	699-47-42	A8749	As-built	CP, GG, NT, SN									HWIS	
3095	600	699-47-46A	A5200	D	GG, NT								Y	HWIS	
3096	600	699-47-5	A8744	D, As-built	GG, NT									HWIS	
3097	600	699-47-50	A5201	D, As-built	CP, GG, NT, SN									HWIS	
3098	600	699-47-51	A8752	D	GG, NT									HWIS	
3099	600	699-47-60	A5202	D	GG, NT		Y		pH	CEC, %GSSC, 15-Atm				McHenry 1957	
3100	600	699-47-80A	A8753	As-built	CP, GG, NT, SN									HWIS	
3101	600	699-47-80B	A8754	As-built	CP, GG, NT, SN									HWIS	
3102	600	699-47-80C	A8755	As-built	CP, GG, NT, OT, SN									HWIS	
3103	600	699-47-80D	A8756	As-built	CP, GG, NT, OT, SN									HWIS	
3104	600	699-47-92			CP, GG, NT										
3105	600	699-48-18	A8764	D, As-built	GG, NT									HWIS	
3106	600	699-48-35	A8767		GG, NT, SG										
3107	600	699-48-3S			GG										
3108	600	699-48-42			CP, DN, GG, NT, OT										
3109	600	699-48-48A	A8768	D, G, As-built	CP, DN, NT, OT, SN, TP									HWIS	
3110	600	699-48-48B	A8769	D, G, As-built	CP, GG, NT, SN									HWIS	
3111	600	699-48-50	A5212	G	GG	Y	Y	Y		SpG, Por, Bden			Y	Hoffman 1992; HWIS	200-BP-1
3112	600	699-48-71	A5214	D, As-built	GG, NT									HWIS	
3113	600	699-48-77			GG, SG										
3114	600	699-48-77A	A8772	G	GG, SG				Metals, An, Alpha, Beta, pH					CH2M HILL files; Laurenz 1993	
3115	600	699-48-77B	A8773	G					Metals, An, Alpha, Beta, pH					CH2M HILL files; Laurenz 1993	
3116	600	699-48-77C	A8774	G, As-built	GG, SG									HWIS	
3117	600	699-48-77D	A8775	G	GG, SG									CH2M HILL files	
3118	600	699-48-96	A8776	G	GG, SG			Y	Wet Chem, IC. TC, TOC					DOE 1993c; Fredrickson et al. 1993	
3119	600	699-49-100A	A8802	G	CP, GG, NT, OT									Summers and Hanson 1977	DH-9
3120	600	699-49-100B	A8803	D, As-built	GG									HWIS	
3121	600	699-49-111			CP, GG, NT										
3122	600	699-49-111A	A8805	As-built	GG									HWIS	
3123	600	699-49-12A	A8782	As-built	GG, MO									HWIS	
3124	600	699-49-12B	A8783	As-built	GG, MO									HWIS	
3125	600	699-49-21	A8789		GG, NT										
3126	600	699-49-28	A5216	D, As-built	GG, NT									HWIS	
3127	600	699-49-31	A8790		GG, NT										
3128	600	699-49-32A	A8791		GG, NT										

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3129	600	699-49-32B	A8792		GG, NT										
3130	600	699-49-33	A8793		CP, GG, NT										
3131	600	699-49-48			NT										
3132	600	699-49-55A	A5217	D, As-built	GG, NT									HWIS	
3133	600	699-49-55B	A5218	D, As-built	CP, GG, NT, SN									HWIS	
3134	600	699-49-57			GG, NT										
3135	600	699-49-57B	A5220	G	GG	Y	Y	Y		SpG, Por, Bden			Y	Hoffman 1992	200-BP-1
3136	600	699-49-79	A5221	D, As-built	GG, NT									HWIS	
3137	600	699-49-85A	A8797	G, As-built	CP, GG, NT, SN									HWIS	
3138	600	699-49-85B	A8798	As-built	CP, GG, NT, SN									HWIS	
3139	600	699-4-E6	A8131	D	GG, NT									HWIS	
3140	600	699-50-17C									PC, PbC			Goodwin 1993	
3141	600	699-50-28B	A5222	D, As-built	GG, NT									HWIS	
3142	600	699-50-28D	B2535	As-built	SG									HWIS	
3143	600	699-50-30	A5223	D, As-built	GG, NT									HWIS	
3144	600	699-50-45	A5225	D, As-built	CP, GG, NT, SN									HWIS	
3145	600	699-50-48A	A8812	D, As-built	GG, NT									HWIS	
3146	600	699-50-48B	A5226	D, As-built	CP, GG, NT, SN									HWIS	
3147	600	699-50-53A	A5227	D, As-built	GG, NT									HWIS	
3148	600	699-50-53B	A5228	G	CP, GG, NT	Y	Y	Y		SpG, Por, Bden				Hoffman 1992; HWIS	200-BP-1
3149	600	699-50-96	A8814	D, As-built	CP, GG, NT, SN	Y						Paleomag		Virtual Library 2000 (PPl only, includes descriptions); Bjornstad 1984; ASC 1984	
3150	600	699-50-99	A8818	As-built	CP, GG, NT					Bden, %GSSC		Paleomag	Y	Lindsey 1991; Virtual Library 2000 (PPl only, includes descriptions); ASC 1984; Bjornstad 1984	
3151	600	699-51-36A	A8824	D, As-built	DN, GG, NT, TP									HWIS	
3152	600	699-51-36B	A8825		GG, NT										
3153	600	699-51-36C	A8826		GG, NT										
3154	600	699-51-36D	A8827		CP, GG, NT										
3155	600	699-51-46	A5230	D, As-built	CP, GG, NT, SN									HWIS	
3156	600	699-51-7	A8820	As-built	GG, SG									HWIS	
3157	600	699-52-17	A8832		CP, GG, NT, SN										
3158	600	699-52-18A	A8833	As-built	GG									HWIS	
3159	600	699-52-18B	A8834		GG										
3160	600	699-52-18C	A8835	As-built	GG									HWIS	
3161	600	699-52-46A	A5234	D, As-built	CP, GG, NT, SN									HWIS	
3162	600	699-52-48	A5235	D, As-built	CP, GG, NT, SN									HWIS	
3163	600	699-52-52	A8842	D, G		Virtual Library	Virtual Library						Y	Fecht and Lillie 1982	
3164	600	699-52-54	A5236	G		Y	Y	Y		SpG, Por, Bden			Y	Hoffman 1992; HWIS	200-BP-1

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3165	600	699-52-57	A5237	G	GG	Y	Y	Y		SpG, Por, Bden			Y	Hoffman 1992: HWIS	200-BP-1
3166	600	699-53-47			NT										
3167	600	699-53-47B	A5240	D, As-built	DN, GG, MG, NT									HWIS	
3168	600	699-54-17									XRD, EM			Ames 1976	
3169	600	699-54-17C		G										Summers and Hanson 1977	DH-9B
3170	600	699-54-18C	A8857	D						AirPerm		Paleomag	Y	Parker and Johnston 1979; Gaylord et al. 1991	
3171	600	699-54-18E	A8859	As-built	GG									HWIS	
3172	600	699-54-37B	A8861	D, As-built	GG									HWIS	
3173	600	699-54-42	A5250	D, As-built			Y		pH	CEC, %GSSC, 15-Atm				HWIS; McHenry 1957	
3174	600	699-54-45A	A5251	D		Virtual Library	Virtual Library						Y	HWIS	
3175	600	699-54-45B	A8862	D	DN, GG, NT, SN, TP								Y	HWIS	
3176	600	699-54-48	A5252	D									Y	HWIS	
3177	600	699-54-49	A8863	D									Y	HWIS	
3178	600	699-55-40	A5255	D, As-built	GG, NT									HWIS	
3179	600	699-55-44	A5256	D, As-built	GG, NT									HWIS	
3180	600	699-55-50A	A8865	D			Y		pH	CEC, %GSSC, 15-Atm			Y	McHenry 1957	
3181	600	699-55-50B	A8866	D				Y					Y	HWIS	
3182	600	699-55-50C	A5257	D			Y		pH	CEC, %GSSC, 15-Atm			Y	McHenry 1957	
3183	600	699-55-50D	A8867	D	GG, NT								Y	HWIS	
3184	600	699-55-55	A5258	G	GG, SG	Y	Y	Y		SpG, Por, Bden			Y	Hoffman 1992; HWIS	200-BP-1
3185	600	699-55-57	A5259	D, As-built	GG, NT									HWIS	
3186	600	699-55-60B	A8869	As-built	GG, NT									HWIS	
3187	600	699-55-76	A5261	D, As-built	GG, NT									HWIS	
3188	600	699-55-89	A5262	D, As-built	GG, NT		Y		pH	CEC, %GSSC, 15-Atm				HWIS; McHenry 1957	
3189	600	699-56-26B	A8880	As-built	GG									HWIS	
3190	600	699-56-40A	A8881		CP, GG, NT										
3191	600	699-56-40B	A8882		GG, NT										
3192	600	699-56-40C	A8883		CP, GG, NT										
3193	600	699-56-41	A8884		CP, GG, NT										
3194	600	699-56-42A	A8885		GG, NT										
3195	600	699-56-42B	A8886		GG, NT										
3196	600	699-56-42C	A8887		CP, GG, NT										
3197	600	699-56-42D	A8888		GG, NT										
3198	600	699-56-42E	A8889		NT										
3199	600	699-56-42F	A8890		GG, NT										
3200	600	699-56-43	A5264	D, As-built	GG, NT									HWIS	
3201	600	699-56-53	A5265	D	CP, GG, NT, SN								Y	HWIS	
3202	600	699-56-S1		D											
3203	600	699-57-25B	A8894	D, As-built	GG, NT									HWIS	
3204	600	699-57-29A	A5267	D, As-built	NT									HWIS	

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3205	600	699-57-29B	A5268	D, As-built	GG, NT									HWIS	
3206	600	699-57-41A	A8896		CP, GG, NT										
3207	600	699-57-41B	A8897		GG, NT										
3208	600	699-57-41D	A8899		GG, NT										
3209	600	699-57-41E	A8900		CP, GG, NT										
3210	600	699-57-42	A8902		CP, GG, NT										
3211	600	699-57-59	A5269	G	GG, SG									HWIS	200-BP-1
3212	600	699-57-83A	A5270	D, As-built	GG, NT									HWIS	
3213	600	699-57-83B	A8903	As-built	CP, GG, NT									HWIS	
3214	600	699-57-83C	A5274	As-built	CP, GG, NT									HWIS	
3215	600	699-58-24	A5275	D, As-built	GG									HWIS	
3216	600	699-58-40	A8907		CP, GG, NT										
3217	600	699-58-41B	A8909		GG, NT										
3218	600	699-58-41C	A8910		GG, NT										
3219	600	699-58-41D	A8911		GG, NT										
3220	600	699-58-41E	A8912		GG, NT										
3221	600	699-58-41F	A8913		GG, NT										
3222	600	699-59-101	A8920	D, As-built	CP, GG, NT									HWIS	
3223	600	699-59-32	A5276	D, As-built	GG, NT									HWIS	
3224	600	699-59-55	A8918		GG, NT								Y	HWIS	
3225	600	699-59-55 (DH-10)			DN, GG, NT, TP										
3226	600	699-59-58	A5277	D, As-built	GG, NT									HWIS	
3227	600	699-59-80B	A5278	D, As-built	GG, NT									HWIS	
3228	600	699-60-32	A5279	D, As-built	GG, NT, TP									HWIS	
3229	600	699-60-57	A5280	D, As-built	GG, NT, TP									HWIS	
3230	600	699-60-59	A5281	As-built	CP, GG, NT, SN									HWIS	
3231	600	699-60-60	A5282	D, As-built	TP		Y		pH	CEC, %GSSC, 15-Atm				HWIS; McHenry 1957	
3232	600	699-61-102	A8937	As-built	CP									HWIS	
3233	600	699-61-16A	A8927	D, As-built	GG, SG									HWIS	
3234	600	699-61-16B	A8928	As-built	GG, SG									HWIS	
3235	600	699-61-24	A8929		TP										
3236	600	699-61-37	A5283	D, As-built	NT, TP									HWIS	
3237	600	699-61-41	A5284	D, As-built	GG, NT, TP									HWIS	
3238	600	699-61-53	A8932	D, As-built	CP									HWIS	
3239	600	699-61-55		G										Summers and Hanson 1977	DH-8
3240	600	699-61-55B	A8934	D, As-built	CP, GG, NT, SN									HWIS	
3241	600	699-61-57	A8935	As-built	GG, NT, SN									HWIS	
3242	600	699-61-62	A5285	D, As-built	GG, NT, TP									HWIS	
3243	600	699-61-66	A5286	D, As-built	GG, NT, TP									HWIS	
3244	600	699-62-31	A5287	D, As-built	TP									HWIS	
3245	600	699-62-32	A8939		TP										
3246	600	699-62-43A	A5288	D, As-built	GG, NT, TP									HWIS	
3247	600	699-62-43B	A8940	D, As-built	GG									HWIS	
3248	600	699-62-43C	A8941	D, As-built	GG, NT, SN, TP									HWIS	
3249	600	699-62-43D	A8942	D, As-built	TP									HWIS	
3250	600	699-62-43E	A8943	D, As-built	GG, NT, SN									HWIS	
3251	600	699-62-43F	A8944	D, As-built	TP									HWIS	
3252	600	699-62-43H	A8946	D, As-built	GG, NT, SN									HWIS	
3253	600	699-63-25			TP										
3254	600	699-63-25A	A5289	D, As-built	GG, NT, TP									HWIS	
3255	600	699-63-25B	A8955	D, As-built	NT									HWIS	
3256	600	699-63-51	A5290	D, As-built	TP									HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
3257	600	699-63-58	A5292	D, As-built	TP									HWIS	
3258	600	699-63-89	A8956	As-built	GG, NT, SN, TP									HWIS	
3259	600	699-63-90	A5293	D, As-built	GG, NT, TP		Y		pH	CEC, %GSSC, 15-Atm				HWIS; McHenry 1957	
3260	600	699-63-92	A5294	As-built	GG, NT, SN, TP									HWIS	
3261	600	699-63-95	A8958	As-built	CP, GG, NT, TP									HWIS	
3262	600	699-64-27	A5295	D, As-built	GG, NT, TP									HWIS	
3263	600	699-64-62	A5296	D, As-built	GG, NT, TP									HWIS	
3264	600	699-65-21			TP										
3265	600	699-65-38	A5299		TP										
3266	600	699-65-50	A5300	D, As-built	GG, NT, TP		Y		pH	CEC, %GSSC, 15-Atm				HWIS; McHenry 1957	
3267	600	699-65-59			TP										
3268	600	699-65-59B	A8960	D, As-built	GG, NT									HWIS	
3269	600	699-65-59C	A8961	D, As-built	GG									HWIS	
3270	600	699-65-59P			TP										
3271	600	699-65-72	A5302	D, As-built	TP									HWIS	
3272	600	699-65-83	A5303	D, As-built	GG, NT, TP									HWIS	
3273	600	699-65-95	A5304	As-built	GG, NT, SN, TP									HWIS	
3274	600	699-66-103	A5305	D, As-built	GG, NT, SN, TP									HWIS	
3275	600	699-66-23	A5306	D, As-built	GG, NT, TP									HWIS	
3276	600	699-66-38	A5307	D, As-built	TP									HWIS	
3277	600	699-66-38P	A9751		TP										
3278	600	699-66-39	A5308	D, As-built	TP									HWIS	
3279	600	699-66-58	A5309	D, As-built	TP									HWIS	
3280	600	699-66-64	A5310	D, As-built	TP									HWIS	
3281	600	699-66-89			GG										
3282	600	699-66-91	A5311	As-built	GG, NT, SN, TP									HWIS	
3283	600	699-67-51	A5312	D, As-built	TP									HWIS	
3284	600	699-67-51P	A9753		TP										
3285	600	699-67-77	A8965		TP										
3286	600	699-67-86	A5313	D, As-built	GG, NT, TP									HWIS	
3287	600	699-67-98	A5314	D, As-built	GG, NT, TP									HWIS	
3288	600	699-68-105	A5315	D, As-built	TP									HWIS	
3289	600	699-68-38			TP										
3290	600	699-68-80			GG, NT										
3291	600	699-69-38	A5316		TP										
3292	600	699-69-45	A8967	D, As-built	TP									HWIS	
3293	600	699-69-45P	A9759		TP										
3294	600	699-70-23	A5318		TP										
3295	600	699-70-37	A8970	As-built	TP									HWIS	
3296	600	699-70-68	A5319	D, As-built	TP									HWIS	
3297	600	699-71-30	A5320	D, As-built	GG, NT, TP									HWIS	
3298	600	699-71-52	A5321	D, As-built	GG, NT, TP									HWIS	
3299	600	699-71-77	A5322	D, As-built	GG, NT, TP									HWIS	
3300	600	699-72-73	A5323	D, As-built	GG, NT, TP									HWIS	
3301	600	699-72-88	A5324	D, As-built	GG, NT, TP									HWIS	
3302	600	699-72-92	A5325	D, As-built	TP									HWIS	
3303	600	699-72-92P	A9763		TP										
3304	600	699-72-98	A5326		TP										
3305	600	699-74-44	A5328	D, As-built	TP									HWIS	
3306	600	699-74-48	A5329	D, As-built	TP									HWIS	
3307	600	699-74-48P	A9766		TP										
3308	600	699-74-60			TP										
3309	600	699-77-36	A5330	D, As-built	GG, NT, TP									HWIS	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
3310	600	699-77-54	A5331	D, As-built	GG, NT, TP									HWIS	
3311	600	699-78-62	A5332	D, As-built	TP									HWIS	
3312	600	699-79-104	A8987	As-built	GG, SG									HWIS	
3313	600	699-80-43			TP										
3314	600	699-80-43P	A8993	As-built	TP									HWIS	
3315	600	699-80-62	A8996	As-built	GG									HWIS	
3316	600	699-81-38	A5337		TP										
3317	600	699-81-58	A5338	D, As-built	GG, NT, TP									HWIS	
3318	600	699-81-62	A9000	As-built	CP, GG, NT									HWIS	
3319	600	699-8-17	A5333	D, As-built	GG, NT, TP									HWIS	
3320	600	699-82-45A	A5339		TP										
3321	600	699-8-25	A5334	D, As-built	GG, NT, TP									HWIS	
3322	600	699-8-32	A5335	D, As-built	GG, NT, TP									HWIS	
3323	600	699-83-32			TP										
3324	600	699-83-36	A5340	As-built	TP									HWIS	
3325	600	699-83-47	A5341	D, As-built	TP									HWIS	
3326	600	699-83-47P			TP										
3327	600	699-84-33			OT										
3328	600	699-84-35			TP										
3329	600	699-84-35P			TP										
3330	600	699-84-59	A9031	As-built	CP, GG, NT									HWIS	
3331	600	699-85-40A	A5343		TP										
3332	600	699-86-35			TP										
3333	600	699-86-42	A5344		TP										
3334	600	699-86-60	A9059	D, As-built	CP, GG, NT, TP									HWIS	
3335	600	699-86-95	A9061	D, As-built	GG, SG									HWIS	
3336	600	699-87-42			TP										
3337	600	699-87-42A	A5345		TP										
3338	600	699-87-43			TP										
3339	600	699-87-55	A5346	D, As-built	TP									HWIS	
3340	600	699-88-42	A9072		TP										
3341	600	699-89-35	A5348	D, As-built	GG, NT, TP	Y	Y							Virtual Library	
3342	600	699-90-34	A5350	G										Fruchter et al. 1996	Abandoned corehole
3343	600	699-90-37A	A9075	D										HWIS	
3344	600	699-90-38	A5351	D, As-built	TP									HWIS	
3345	600	699-90-45	A5352	As-built	TP									Fruchter et al. 1996	Abandoned corehole
3346	600	699-91-37		D	TP										
3347	600	699-91-38			TP										
3348	600	699-91-43			GG, SG										
3349	600	699-91-46		As-built										HWIS	
3350	600	699-91-46A	A5354	As-built									Y	HWIS	Abandoned corehole
3351	600	699-91-46B	A9810	Well summary	GG									HWIS	
3352	600	699-91-48A	A9080		TP										
3353	600	699-92-14	A9082	As-built	GG, SG	Virtual Library	Virtual Library						Y	HWIS	
3354	600	699-92-38			TP										
3355	600	699-92-48B			TP										
3356	600	699-92-49	A5355	D, Well Summary	TP									HWIS	
3357	600	699-93-46		As-built, Well Summary	GG, SG	Y								HWIS, see R. Khaleel or G. Freeman for sieve data	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
3358	600	699-93-48A	A5356	As-built	GG								Y	HWIS	Groundwater monitoring
3359	600	699-93-48B	A9811		SG								Y		Decommissioned
3360	600	699-93-49B		As-built, Well Summary	GG									HWIS	Groundwater monitoring
3361	600	699-93-50	A9086		TP										
3362	600	699-93-93	A9087	As-built	GG	Virtual Library	Virtual Library						Y	HWIS	
3363	600	699-94-47	A9088		TP										
3364	600	699-96-43	A5357	As-built, Well Summary									Y	HWIS	Abandoned corehole
3365	600	699-96-44	C4131	G									Y	HWIA	NABIR
3366	600	699-96-45	C4132	G									Y	HWIS	NABIR
3367	600	699-96-49	A5358	As-built	TP									HWIS	Groundwater monitoring
3368	600	699-96-49P	A9775		TP										
3369	600	699-96-52	A5359	As-built	TP									HWIS	Abandoned
3370	600	699-97-43	A5360	As-built	GG, NT, TP	Virtual Library								Fruchter et al. 1996; HWIS	Abandoned corehole
3371	600	699-97-43P	A9777		TP										
3372	600	699-97-47	A5361	As-built	TP									HWIS	
3373	600	699-97-49			TP										
3374	600	699-97-51A	A5362	D, As-built	GG, NT, TP									HWIS	Groundwater monitoring
3375	600	699-97-51B	A9093	As-built	TP									HWIS	Decommissioned 5/10/95
3376	600	699-98-49			TP										
3377	600	699-98-49A	A5363	As-built										HWIS	Abandoned
3378	600	699-99-42	A5364		TP										
3379	600	699-9-E2	A5349	D, As-built	NT, TP									HWIS	
3380	600	699-BP9-12			SG										
3381	600	699-BP9-13			SG										
3382	600	699-E-9B			CP, MG, SG, SN, TP										
3383	600	699-S11-E12			CP, GG, NT, TP										
3384	600	699-S12-29	A5365	D, As-built	TP									HWIS	
3385	600	699-S12-3	A5366	D, Well Summary	CP, GG, NT, TP									HWIS	
3386	600	699-S12-30			TP										
3387	600	699-S12-30P			TP										
3388	600	699-S14-20			TP										
3389	600	699-S14-20A	A5367	D, As-built	GG, NT									HWIS	
3390	600	699-S14-20P			TP										
3391	600	699-S16-24	A9189	As-built	CP, NT									HWIS	
3392	600	699-S16-E14	A9190	G, As-built	CP, GG, NT, SN									HWIS	
3393	600	699-S18-E2A	A5368	D, As-built	TP									HWIS	
3394	600	699-S18-E2B	A9199	D, As-built	GG, NT									HWIS	
3395	600	699-S19-11	A5369	D, As-built	GG, NT, TP									HWIS	
3396	600	699-S19-E13	A5370	D, As-built	GG, NT, TP									HWIS	
3397	600	699-S19-E14	A5421	D, G, Well summary	GG									HWIS	
3398	600	699-S22-E9C	A5424	D, G, Well summary	GG									HWIS	
3399	600	699-S23-26	A9201	As-built	TP									HWIS	
3400	600	699-S2-34B	B8101	G										HWIS	LIGO well
3401	600	699-S24-19	A9202	D, As-built	GG, NT									HWIS	
3402	600	699-S24-19A			TP										

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
3403	600	699-S25-51	A9203	As-built	CP, GG, NT									HWIS	
3404	600	699-S27-E14	A5371	D, As-built	GG, NT, TP									HWIS	
3405	600	699-S27-E9B	A5426	D, As-built	SG									HWIS	
3406	600	699-S27-E9C	A5427	D, G, Well summary	GG, SG									HWIS	
3407	600	699-S28-E12	A5428	D, G, Well summary	GG									HWIS	
3408	600	699-S29-E12	A5372	D, As-built	GG, NT, TP									HWIS	
3409	600	699-S29-E16B	A5430	D, Well summary	SG									HWIS	
3410	600	699-S29-E16C	A5431	D, G, Well summary	GG, SG									HWIS	
3411	600	699-S30-E14	A9209	D, As-built	TP									HWIS	
3412	600	699-S30-E15A	A5377	D, Well summary	TP									HWIS	
3413	600	699-S30-E15B	A9210	As-built	GG, NT									HWIS	
3414	600	699-S31-1	A5378	D, As-built	TP									HWIS	
3415	600	699-S31-1P	A9786		GG, NT, TP										
3416	600	699-S3-25	A5373	D, As-built	GG, NT, TP									HWIS	
3417	600	699-S3-67	A9144	As-built	CP, GG, NT									HWIS	
3418	600	699-S37-E14	A5394	G	GG									Bryce and Goodwin 1989	
3419	600	699-S3-E12	A5374	D, As-built	GG, NT, TP									HWIS	
3420	600	699-S40-E14	A5398	D, As-built	GG									HWIS	
3421	600	699-S40-E14A		G										Bryce and Goodwin 1989	
3422	600	699-S41-E13A	A5401	G	GG									Bryce and Goodwin 1989	
3423	600	699-S41-E13B	A5402	G	GG									Bryce and Goodwin 1989	
3424	600	699-S43-E12	A5404	G	GG									Bryce and Goodwin 1989	
3425	600	699-S6-E14			TP										
3426	600	699-S6-E14A	A5405	D	GG, NT									HWIS	
3427	600	699-S6-E14AP	A9494		TP										
3428	600	699-S6-E14P			TP										
3429	600	699-S6-E4A	A9152	D, As-built	GG, NT									HWIS	
3430	600	699-S6-E4C	A9154	D, As-built	CP, GG, NT, SG, SN									HWIS	
3431	600	699-S6-E4CP	A9788		TP										
3432	600	699-S6-E4D	A5406	D, As-built	TP									HWIS	
3433	600	699-S6-E4E	A9155	D, As-built	GG, NT									HWIS	
3434	600	699-S6-E4F	A9156	D, As-built	GG, NT									HWIS	
3435	600	699-S6-E4G	A9157	D, As-built	GG, NT									HWIS	
3436	600	699-S6-E4H	A9158	D, As-built	GG, NT									HWIS	
3437	600	699-S6-E4J	A9159	D, As-built	GG, NT									HWIS	
3438	600	699-S6-E4K	C4072	G	SG								Y	Williams et al. 2003	618-10
3439	600	699-S6-E4L	C4073	G	NT, SG								Y	Williams et al. 2003	618-10
3440	600	699-S7-34	A5407	D, As-built	TP									HWIS	
3441	600	699-S7-34P	A9791		TP										
3442	600	699-S8-19	A5408	D, As-built	GG, NT, TP									HWIS	
3443	600	699-S9-65	A9177	As-built	CP, GG, NT									HWIS	
3444	600	C3252	C3252	G										Faurote 2001	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
3445	600	C3255	C3255	G										Faurote 2001	
3446	600	C3264	C3264	G									Y	HWIS	618 tritium investigation
3447	600	C3265	C3265	G									Y	HWIS	618 tritium investigation
3448	600	108		G										Golder 1982	fault study
3449	600	125		G										Golder 1982	fault study
3450	600	WP-1		G										Golder 1982	fault study
3451	600	WP-10		G										Golder 1982	fault study
3452	600	WP-11		G										Golder 1982	fault study
3453	600	WP-2		G										Golder 1982	fault study
3454	600	WP-3		G										Golder 1982	fault study
3455	600	WP-4		G										Golder 1982	fault study
3456	600	WP-5		G										Golder 1982	fault study
3457	600	WP-6		G										Golder 1982	fault study
3458	600	WP-7		G										Golder 1982	fault study
3459	600	WP-8		G										Golder 1982	fault study
3460	600	WP-9		G										Golder 1982	fault study
3461	MISC	800 boreholes		mixed										Fecht and Lillie 1982	
3462	MISC	AP tank farm - six samples				Y				Pip				Last et al. 1995	
3463	MISC	B5757		G					Metals, An, SVOA, VOA, Lab Rad					Cearlock et al. 2000	
3464	MISC	Bergmounds				Y								Chamness 1993	
3465	MISC	BH-16									XRD			Horton files	
3466	MISC	BH-17									XRD			Horton files	
3467	MISC	DH-33									PC, PbC			Goodwin 1993	
3468	MISC	Outcrop				Y								Lindsey 1991	
3469	MISC	Outcrop				Y				Pip				Bjornstad 1980	
3470	MISC	Outcrops on White Bluffs									PC, PbC	Paleomag		Goodwin 1993; WCC 1978; Parker 1979; Parker and Johnston 1979	
3471	MISC	PSPL-1		D		Y	Y	Y	pH	%GSSC, CEC, Cond				Heller et al. 1984	
3472	MISC	PSPL-2		D		Y	Y	Y	pH	%GSSC, CEC, Cond				Heller et al. 1984	
3473	MISC	PSPL-3		D		Y	Y	Y	pH	%GSSC, CEC, Cond				Heller et al. 1984	
3474	MISC	PSPL-4		D		Y	Y	Y	pH	%GSSC, CEC, Cond				Heller et al. 1984	
3475	MISC	PSPL-5		D		Y	Y	Y	pH	%GSSC, CEC, Cond				Heller et al. 1984	
3476	MISC	samples from 3 boreholes at Sisson and Lu site						Y	An					Last and Caldwell 2001	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
3477	MISC	Surface and near-surface soil							Lab Rad				Y	DOE 1996	
3478	MISC	Surface soil at former GTF								Lab Rad				Swanson et al. 1988	
3479	MISC	Test pits at 216-B-2-2 ditch		G					Metals, An, SVOA, VOA, Lab Rad					Cearlock et al. 2000	
3480	MISC	Test pits at B-pond and 216-B-3-3- ditch		G					Metals, An, SVOA, VOA, Lab Rad					Cearlock et al. 2000	
3481	MISC	Test Pits at Gable Mountain Pond		G					Metals, An, SVOA, VOA, Lab Rad					Cearlock et al. 2000	
3482	MISC	U. S. Ecology, MW-10				Y				Por				Bergeron et al. 1987	
3483	MISC	U. S. Ecology, MW-5				Y				Por				Bergeron et al. 1987	
3484	MISC	U. S. Ecology, MW-8				Y				Por				Bergeron et al. 1987	
3485	MISC	Various shallow boreholes done for HWVP		G		Y		Y	An,	Bden				Horton files	
3486	MISC	Various wells at 218-W-5 burial ground						Y	Metals,	CEC	Min, XRD			Bjornstad 1990	
3487	MISC	104 surface and outcrop soil samples							Metals, An					DOE 1993c	
3488	MISC	11 test pits at FFTF				Y		Y		Bden, SpG				Shannon & Wilson 1970	
3489	MISC	13 samples of topsoil by ecosystem							Wet Chem					DOE 1993c	
3490	MISC	14 vadose zone soil samples				Y			Wet Chem		PC			DOE 1993c	
3491	MISC	172 surface soil samples from former GTF site							An, Metals, Lab Rad					Mitchell et al. 1998	
3492	MISC	19 borings at WNP No. 2				Y		Y		Bden,				Shannon and Wilson 1972	
3493	MISC	19 samples from the sub pit							pH, Pb, An, IC, TC, TOC, Res					EBASCO 1992	
3494	MISC	23 surface samples					Y		pH	CEC, %GSSC, 15-Atm				McHenry 1957	
3495	MISC	241-AP excavation				Y	Y							Goldstrand 1984	
3496	MISC	4 Hanford standards				Y	Y	Y	TOC, XRF, 1:1, Pwater	%GSSC, Bden, CEC	TEM, XRD			Serne et al. 2001a	
3497	MISC	4 samples from White Bluffs									XRD			Moodie et al. 1966	

SortIndex	Area	Well Name	WellID	Log Type	GPX Log Runs	Sieved	CaCO3	Moisture	Chemical Properties	Physical Properties	Min Properties	Geochron Properties	Archived	Source	Comments
3498	MISC	4 shallow boreholes at McGee Ranch						Y						Gee 1987	
3499	MISC	40 boreholes at McGee Ranch		G		Y		Y						Last et al. 1987	
3500	MISC	5 boreholes and 13 test pits in LERF area		D										DOE 1991	
3501	MISC	5 un-numbered boreholes at the Wye Barricade		D		Y	Y	Y	pH	%GSSC, Moist, CEC, Cond				Heller et al. 1985	
3502	MISC	5 volcanic ash samp1es							Wet Chem					DOE 1993c	
3503	MISC	57 shallow boreholes on the McGee Ranch		G										Lindberg 1994	
3504	MISC	2 boreholes near 618-4 burial ground (B8780, B8781)		G				Y		Bden					Resistivity data also
3505	MISC	Soil Map												Hajek 1966	Surface soils map of the Hanford Site
3506	MISC	9 test pits							An, Metal, LabRad, VOS,SVOA					DOE 2004a	216-A-29, 216-B-63, 216-S-10
3507	UNK	B8485	B8485		SG										
3508	UNK	B8486	B8486		SG										
3509	UNK	B8487	B8487		NT, SG										
3510	UNK	B8488	B8488		MO, SG										
3511	UNK	B8489	B8489		NT, SG										
3512	UNK	BISSA 1-29			MG										
3513	UNK	BN 1-9			MG										
3514	UNK	G-123			GG, MG										
3515	UNK	LIGO WELL			SG										
3516	UNK	PNL Research Well 1			SG										
3517	UNK	RSH #1			DN, NT, OT, SN, TP										
3518	UNK	UN-200E-63			SG										
3519	UNK	YAK. MIN. 2-33			MG										

Appendix B

Bibliography of Geologic Data for the Hanford Site

Appendix B

Bibliography of Geologic Data for the Hanford Site

Airhart, S. P., A. W. Pearson, and J. V. Borghese. 1990. ***Borehole Completion Data Package for the 216-S-10 Ditch and Pond.*** **WHC-MR-0206, Westinghouse Hanford Company, Richland, Washington.**

Alexander, D. J., S. D. Evelo, V. G. Johnson, and M. D. Sweeney. 1995. ***Groundwater Impact Assessment Report for the 216-T-4-2 Ditch.*** **WHC-EP-0815, Westinghouse Hanford Company, Richland, Washington**. The report contains average results of analysis for metals in sediment from three test pits and one metal analyses of sediment in one groundwater well (split spoons).

Ames, L. L. 1976. ***Monthly Report: Sediment Mineralogy and Petrology.*** **Unpublished data**. This letter report contains the results of XRD and electron microprobe analyses of various size fractions of 17 samples of Ringold Formation sediment. Analyses were done by PNNL. See Duane G. Horton for data.

Ames, L. L. and R. J. Serne. 1991. ***Compilation of Data to Estimate Groundwater Migration Potential for Constituents in Active Liquid Discharges at the Hanford Site.*** **PNL-7660, Pacific Northwest Laboratory, Richland, Washington.**

ARH-2874. 1973. ***241-T-106 Tank Leak Investigation.*** **Atlantic Richfield Hanford Company, Richland, Washington**. The report gives the results of laboratory radionuclide analysis of samples from 10 boreholes.

ASC. 1984. ***Paleomagnetic Analysis of Cores DH-27 and DH-28.*** **Analytical Services Company, subcontractor report to Rockwell Hanford Operations, 3 volumes.** Presents results of paleomagnetic analysis of Ringold Formation and younger suprabasalt sediments. A total of 16 and 59 separate stratigraphic horizons were sampled in coreholes 699-50-96 and 699-50-99 (DH-27 and DH-28), respectively.

Baker, V. R., B. N. Bjornstad, A. J. Busacca, K. R. Fecht, E. P. Kiver, U. L. Moody, J. G. Rigby, D. F. Stradling, and A. M. Tallman. 1991. ***Quaternary Geology of the Columbia Plateau.*** **In. Morrison, R. B., ed. Quarternary Nonglacial Geology; Conterminous U.S.: The Geology of North America. Geol. Soc. of Am., Boulder, Colorado, v. K-2, pp 215-250**. This paper contains radiometric and thermoluminesce age dates for Hanford formation sediment from a few boreholes and several outcrops.

Barnett, D. B. 1993. ***Soil Chemistry Data Package for the Proposed W-049H Site.*** **WHC-SD-EN-DP-065, Westinghouse Hanford Company, Richland, Washington**. Results of chemical analyses (metals, hexavalent chromium, anions, cyanide, and volatile and semi-volatile organics) and gross alpha, gross beta and gross gamma are reported for 20 sediment samples from three boreholes at the Treated Effluent Disposal Basin. Analyses were performed by EPA approved methods at the TW/NORCAL and Roy F. Weston laboratories.

Barton, K.R.O. 1990. ***Borehole Completion Data Package for Low-Level Burial Grounds - 1990.*** **WHC-MR-0205, Westinghouse Hanford Company, Richland, Washington.**

Bauer, R. G. and I. D. Jacques. 2002. ***Borehole Summary Report of Borehole C3808 in the 216-Z-11 Ditch, 200-CW-5 U-Pond/Z –Ditches Cooling Water Group Operable Unit.*** **CP-12134, Fluor Hanford, Richland, Washington.** The report contains the geologic log, the geophysical logs, and a minimal number of particle size distributions and moisture contents.

Bergeron, M. P., G. V. Last, and A. E. Reisenauer. 1987. ***Geohydrology of a Commercial Low-Level Radioactive Waste Disposal Facility Near Richland, Washington.*** **PNWD-1127, Pacific Northwest Laboratory, Richland, Washington**. The report presents results of 61 analyses of particle size distribution. Data are presented in graph form; minimal tabular data are given. Analyses were preformed by CH2M HILL and Benjamin J. Hajek Consulting Services.

Bierschenk, W. H. 1959. ***Techniques for Estimating the Specific Retention Properties of Hanford Soils.*** **HW-61644, General Electric Company, Richland, Washington**. The report gives some particle size distribution information (but no tabular data), porosity, and moisture content of samples from three boreholes in the 200 Areas. The text discusses the sampling and analysis procedures.

Bjornstad, B. N., K. A. Lindsey, and J. E. Amonette. no date. ***Mineralogical and Geochemical Characteristics of Suprabasalt Sedimentary Units: Hanford Site, South-Central Washington.*** **Unpublished data**. This report contains XRD mineralogy and the mean, standard deviation, and range of major oxide and trace element analyses of Hanford, Ringold, and Plio-Pleistocene sediment. XRD analyses were done by PNNL; XRF analyses were done by WSU and PNNL. Much of the data is the same as that found in Bjornstad, 1990. See George V. Last for data.

Bjornstad, B. N. 1980. ***Sedimentology and Depositional Environment of the Touchet Beds, Walla Walla River Basin, Washington.*** **RHO-BWI-SA-44, Rockwell Hanford Operations, Richland, Washington**. The report presents results of grain size distribution in samples of Hanford formation Touchet bed material collected in and around the Pasco Basin.

Bjornstad, B. N. 1984. ***Suprabasalt Stratigraphy within and Adjacent to the Reference Repository Location.*** **SD-BWI-DP-039, Rockwell Hanford Operations, Richland, Washington**.

Bjornstad, B. N. 1987. ***Late-Cenozoic Sediments Within a Subsiding Basin of the Yakima Fold Belt: Estimates on Age and Rates of Deformation.*** **Unpublished data**. This paper presents Ar-40/Ar-39 age dates for four samples of Ringold Formation tephra from four boreholes on the Hanford Site. See George V. Last for data.

Bjornstad, B. N. 1990. ***Geohydrology of the 218-W-5 Burial Ground, 200-West Area, Hanford Site.*** **PNL-7336, Pacific Northwest Laboratory, Richland, Washington**. This report gives the results of several analytical tests. Results include (1) 62 soil moisture measurements by ASTM 2216, (2) 11 CEC measurements (from Oregon State University using procedures in Schollenbeger and Limon, 1945), (3) average, minimum, maximum, and standard deviation of 55 XRF analyses of major metals, (4) nine x-ray diffraction analysis of clays done by PNNL, (5) point count results from 33 samples done by Washington State University, and (6) hydrometer and wet sieve analysis of six samples by ASTM 854.

Bjornstad, B. N. 1993. ***Borehole Completion Data Package for the 216-B-63 Trench, CY 1992.*** **WHC-SD-SN-DP-051, Westinghouse Hanford Company, Richland, Washington**. The report gives moisture and calcium carbonate contents for samples from 5-ft intervals in two new RCRA wells.

Bjornstad, B. N., K. R. Fecht, and C. J. Pluhar. 2001. "Long History of Pre-Wisconsin, Ice Age Cataclysmic Floods: Evidence from Southeastern Washington State." ***Journal of Geology*** **109: 695-713.** Paleomagnetic results are presented for 57 sediment samples of Hanford formation from 4 coreholes (299-E33-335, 699-E17-21, 699-W22-48, and 699-W22-50), and Th/U age dates presented for 9 surface samples of caliche on flood deposits.

Brown, D. J. 1960. ***Evaluation of Earth Samples from Churn-Drilled Wells.*** **HW-67415, General Electric Company, Richland, Washington**. This report compares samples from two sets of wells sampled by (1) drive barrel and (2) bailer. The results of analyses for cation exchange capacity, calcium carbonate content, particle size distribution, and pH. References to procedures are given. The well pairs are 699-36-61 and -61B and 699-37-82A and -82B.

Brown, D. J. 1963. ***Geology Underlying the 241-AX Tank Farm.*** **HW-79805, General Electric Company, Richland, Washington**. The report gives the results of percent gravel, sand, silt, and clay for a few samples from boreholes in the area of the 241-AX tank farm.

Bryce, R. W. and S. M. Goodwin. 1989. ***Borehole Summary Report for Five Monitoring wells Constructed in the 1100 Area.*** **PNL-6824, Pacific Northwest Laboratory, Richland, Washington.** The report contains geologic logs and geophysical logs for five wells constructed between the 1100 Area and the Richland City water supply wells.

Caggiano, J. A. 1992. ***Borehole Completion Data Package for CY90 Wells Installed at Single-Shell Tanks.*** **WHC-SD-EN-DP-041, Westinghouse Hanford Company, Richland, Washington**. Report contains calcium carbonate content and moisture content from samples at 5-ft intervals in 11 new wells. All analyses were done by Westinghouse Hanford Company laboratories. Geologist logs are included.

Caggiano, J. A. 1993. ***Borehole Data Completion Package for CY 1991 and CY 1992 Wells at Single-Shell Tanks.*** **WHC-SD-EN-DP-042, Westinghouse Hanford Company, Richland, Washington**.

Report contains calcium carbonate content and moisture content from samples at 5-ft intervals in 12 new wells. Some particle size distribution (GEL-07) data is also given. All analyses were done by Westinghouse Hanford Company laboratories. Geologist logs are included.

Cearlock, C. S., K. M. Singleton, M. E. Todd, and D. B. Barnett. 2000. ***200-CW-1 Operable Unit Borehole/Test Pit Summary Report.*** **BHI-01367, Bechtel Hanford Inc., Richland, Washington**. The report presents data for 210 samples from 29 test pits and 25 samples from 2 boreholes and 2 groundwater wells at Gable Mountain Pond, B-Pond, 216-B-2-2 ditch and 216-B-3-3 ditch. Data include results from 44 quality control samples. Physical properties analyses include bulk density (ASTM D2937), particle size distribution (ASTM D-422), and moisture content (ASTM D-2216) by Maxim Technologies laboratory. Radiological and chemical analyses (anions, pH, selected metals, selected organics) were done at RECRA Environmental Inc. and ThermoRetec Nuclear Services laboratories with Quanterra laboratory as the split lab. Procedures for chemical analyses were EAP approved; procedures for radiological analyses were industry accepted. Geologist's logs for boreholes and pits are included in the report.

Chamness, M. A. 1993. ***An Investigation of Bergmounds as Analogs to Erosion Control Factors on Protective Barriers.*** **PNL-8841, Pacific Northwest Laboratory, Richland, Washington**. The report gives the results of particle size analysis, in graph form only, of several surface and near surface samples from two locations.

Chamness, M. A., S. P. Luttrell, D. J. Bates, and W. J. Martin. 1990. ***2101-M Hydrogeologic Characterization Report.*** **PNL-7468, Pacific Northwest Laboratory, Richland, Washington**. The report presents physical and chemical properties of borehole samples from 2101-M pond. Data include particle size distribution (Uebelacker 1980), calcium carbonate content (Nelson 1982), field pH (manufacturer's instructions), moisture content (ASTM 2216), XRF (PNL-SP-19, Rev. 0) VOA (U.S. Testing), ICP metals (U.S. Testing, and mineralogical information by energy dispersive x-ray analysis and point count.

Chamness, M. A., T. J. Gilmore, and S. S. Teal. 1993. ***Savage Island Project Borehole Completion Report.*** **PNL-8485, Pacific Northwest Laboratory, Richland, Washington.** The report contains the geologist's logs for wells 699-42-E9A, 699-42-E9B, and 699-32-22B.

CH2M HILL Hanford, Inc. 2001. ***Borehole Completion Report – 216-Z-9 Trench Vadose Well Deepening and Characterization.*** **BHI-01552, Rev. 0, Bechtel Hanford, Inc., Washington.** This report describes deepening and reconfiguration of wells 299-W15-84 and 299-W15-95 for the 200-ZP-1 soil vapor extraction system. The geologist's logs and a graphical moisture profile are given.

Darrach, M. E. 1995. ***Operable Unit Borehole Summary Report for FY 1995.*** **BHI-00470, Bechtel Hanford, Inc., Richland, Washington**. The report gives the geologist's logs and some particle size distribution data for five new boreholes. The particle size distributions were measured by Westinghouse Hanford Company's Geotechnical Laboratory using procedure GEL-07.

Delaney, C. D. 1992a. ***Borehole Completion Data Package for the CY 1991 216-B-3 Pond Drilling Project.*** **WHC-SD-EN-DP-046, Westinghouse Hanford Company, Richland, Washington**. The report contains moisture content and calcium carbonate content from samples collected at 5-ft intervals

for seven new wells. In addition, 19 analyses of specific gravity, 18 analyses of moisture content, and 16 determinations of porosity were done from split spoon samples. All analyses were done by Westinghouse Hanford Company laboratories. Geologist logs are included.

Delaney, C. D. 1992b. ***Completion Report for the 216-B-3 Pond Drilling and Characterization Activities, FY 1988, Separations Area Ground-Water Monitoring Project.*** **WHC-SD-EN-TI-029, Westinghouse Hanford Company, Richland, Washington**. The report gives moisture data for four new RCRA wells. No discussion of methods or laboratories is given.

Delaney, C. D. 1993. ***Borehole Completion Data Package for the CY 1992 216-B-3 Pond Drilling Project.*** **WHC-SD-EN-053, Westinghouse Hanford Company, Richland, Washington**. The report gives moisture content (GEL-14) and calcium carbonate content (GEL-19) for 5-ft interval samples from two new RCRA boreholes. Westinghouse Hanford Company's Geotechnical Engineering Laboratory did the analyses.

Delgard, C. H. and G. S. Barney. 1983. ***Effects of Hanford High-Level Waste Components on Sorption of Cobalt, Strontium, Neptunium, Plutonium, and Americium of Hanford Sediments.*** **RHO-RE-ST-1, Rockwell Hanford Operations, Richland, Washington**. The report gives three cation exchange capacity results for Hanford Site sediments.

DOE. 1990. ***Grout Treatment Facility Dangerous Waste Permit Application.*** **DOE/RL 88-27, Appendix 5, U.S. Department of Energy, Richland Field Office, Richland, Washington**. The permit application gives the results of analysis of particle size distribution, calcium carbonate content, moisture content, anions, metals, cation exchange capacity, pH, alkalinity, and specific conductance. Procedures are referenced in the text.

DOE. 1991. ***Liquid Effluent Retention Facility Dangerous Waste Permit Application.*** **DOE/RL-90-43, Rev.0, U.S. Department of Energy, Richland, Washington**. Appendix 4F of the permit application gives particle size distribution (ASTM D-422) and moisture content (ASTM D-1557) for samples from five boreholes and 13 test pits in the LERF area. Driller's logs are also included.

DOE. 1993a. ***Limited Field Investigation Report for the 100-HR-3 Operable Unit.*** **DOE/RL-93-34, U.S. Department of Energy, Richland Field Office, Richland, Washington**.

DOE. 1993b. ***Limited Field Investigation Report for the 100-FR-1 Operable Unit.*** **DOE/RL-93-82, U.S. Department of Energy, Richland, Washington**. This report give the results of analyses for volatile organic compounds, semi-volatile organic compounds, anions, metals, and radionuclides. References are given for the CERCLA analytical procedures.

DOE. 1993c. ***Hanford Site Background: Part 1, Soil Background for Nonradioactive Analytes.*** **Volumes I and II. DOE/RL-92-24, Rev. 1, Vols. I and II. U.S. Department of Energy, Richland, Washington**. Volume II of the report gives the results of chemical analyses for metals, ammonium, carbonate, and anions from more than 170 samples of Hanford (mostly) and Ringold formation sediments. The samples are from excavations and outcrops on site and from two boreholes. Analyses were done by EPA methods.

DOE. 1994a. ***Limited Field Investigation Report for the 100-BC-5 Operable Unit.*** **DOE/RL-93-97, Rev. 0, U.S. Department of Energy, Richland Operations Office, Richland, Washington**.

DOE. 1994b. ***Limited Field Investigation Report for the 100-BC-1 Operable Unit.*** **DOE/RL-93-06, U.S. Department of Energy, Richland, Washington**.

DOE. 1996. ***Hanford Site Background: Part 2, Soil Background for Radionuclides.*** **DOE/RL-96-12, U.S. Department of Energy, Richland, Washington**. The results of analysis for natural and manmade radionuclides in 50 vadose zone samples are presented and evaluated. The analyses were done by Quanterra, Inc. laboratories in Richland, Washington.

DOE. 2004a. ***Remedial Investigation Report for the 200-PW-2 Uranium-Rich Process Waste Group and the 200-PW-4 General Process Condensate Group Operable Units.*** **DOE/RL-2004-25, Draft A.** This report contains results of analyses for metals, anions, VOAs SVOAs, and radionuclides for 13 boreholes drilled in 2003.

DOE. 2004b. ***Remedial Investigation Report for the 200-CS-1 Operable Unit.*** **DOE/RL-2004-17, Draft A, Department of Energy, Richland Operations Office, Richland, Washington.** This report contains results of analyses for metals, anions, VOAs SVOAs, and radionuclides for four boreholes and several test pits at the 216-A-029 ditch, 216-B-63 trench, 216-S-10 pond, and 216-S-10 ditch.

DOE. 2004c. ***Remedial Investigation Report for the 200-CW-5 U Pond/Z Ditches Cooling Waste Group, the 200-CW-2 S Pond and Ditches Cooling Water Group, the 200-CW-4 T Pond and Ditches Cooling Water Group, and the 200-SC-1 Steam Condensate Group Operable Units.*** **U.S. Department of Energy, Richland Operations, Richland, Washington.** This report contains the analytical results for 12 samples from borehole C3808 at the 216-Z-11 ditch. Analytes include metals, anions, VOA, SVOA, and radionuclides.

Doremus, L. A. and A. W. Pearson. 1990. ***Borehole Completion Data Package for the Liquid Effluent Disposal Facility.*** **WHC-MR-0235, Westinghouse Hanford Company, Richland, Washington**. Report contains moisture content data from samples at 5-ft intervals in four new wells. Geologist logs are included.

EBASCO Services Incorporated. 1992. ***Naval Trench 94 Soils Report.*** **WHC-MR-0284, Westinghouse Hanford Company, Richland, Washington**. The report give results of testing for lead, anions, total organic carbon, inorganic carbon, pH, and wet and dry resistivity on 20 samples of Hanford formation from the submarine reactor compartment trench. Chemical analyses were done by Accutest Laboratories using EPA methods.

Faurote, J. M. 2001. ***Borehole Summary Report for the 618-11 Burial Ground Tritium Investigation.*** **BHI-01567, Rev. 0, Bechtel Hanford, Inc., Richland Washington.** This report describes the installation of four monitoring wells at the 618-11 burial ground: 699-13-1D, 699-12-2C, 699-13-2D, and 699-13-0A. Also described is the installation and decommissioning of two boreholes: C3252 and C3255. Geologist's logs are in an appendix.

Faurote, J. M. and C. S. Wright. 2001. ***Borehole Summary Report for Well 299-W19-43 (C2281), 200-UP-1 Operable Unit.*** **BHI-01587, Bechtel Hanford, Inc., Richland, Washington.** This report describes the installation of monitoring well 299-W19-43. The geologist's log is in an appendix.

Faurote, J. M. 2002. ***Borehole Summary Report for Well 299-W15-42 (C3803) and Borehole 299-W15-764 (C3494), 200-ZP-1 Operable Unit.*** **BHI-10620, Bechtel Hanford, Inc., Richland, Washington.** This report describes the installation of well 299-W15-42 and the drilling and decommissioning of borehole 299-W15-764 in the PFP protected area. Geologist's logs are in an appendix.

Fecht, K. R. and J. T. Lillie. 1982. ***A Catalog of Borehole Lithologic Logs from the 600 Area, Hanford Site.*** **RHO-LD-158, Rockwell Hanford Operations, Richland, Washington**. A compilation of about 800 lithologic logs from the 600 Area.

Fecht, K. R. and W. H. Price. 1977a. ***Granulometric Data 241-A Tank Farm Monitoring Well Sediments.*** **RHO-LD-11, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediments from boreholes within the 241-A tank farm. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R. and W. H. Price. 1977b. ***Granulometric Data 241-AX Tank Farm Monitoring Well Sediments.*** **RHO-LD-12, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediments from boreholes within the 241-AX tank farm. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R. and W. H. Price. 1977c. ***Granulometric Data 241-BX Tank Farm Monitoring Well Sediments.*** **RHO-LD-14, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediment from boreholes within the 241-BX tank farm. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R. and W. H. Price. 1977d. ***Granulometric Data 241-BY Tank Farm Monitoring Well Sediments.*** **RHO-LD-15, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediment from boreholes within the 241-BY tank farm. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R. and W. H. Price. 1977e. ***Granulometric Data 241-C Tank Farm Monitoring Well Sediments.*** **RHO-LD-16, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediment from boreholes within the 241-C tank farm. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R. and W. H. Price. 1977f. ***Granulometric Data 241-S Tank Farm Monitoring Well Sediments.*** **RHO-LD-17, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediment from boreholes within the 241-S tank farm. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R. and W. H. Price. 1977g. ***Granulometric Data 241-SX Tank Farm Monitoring Well Sediments.*** **RHO-LD-18, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediment from boreholes within the 241-SX tank farm. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R. and W. H. Price. 1977h. ***Granulometric Data 241-T Tank Farm Monitoring Well Sediments.*** **RHO-LD-19, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediment from boreholes within the 241-T tank farm. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R. and W. H. Price. 1977i. ***Granulometric Data 241-TX Tank Farm Monitoring Well Sediments.*** **RHO-LD-20, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediment from boreholes within the 241-TX tank farm. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R. and W. H. Price. 1977j. ***Granulometric Data 241-TY Tank Farm Monitoring Well Sediments.*** **RHO-LD-21, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediment from boreholes within the 241-TY tank farm. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R. and W. H. Price. 1977k. ***Granulometric Data 241-U Tank Farm Monitoring Well Sediments.*** **RHO-LD-22, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediment from boreholes within the 241-U tank farm. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R., G. V. Last, and M. C. Marratt. 1978a. ***Granulometric Data 216-A Crib Facilities Monitoring Well Sediments.*** **RHO-LD-44, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediment from boreholes at the 216-A liquid disposal facilities. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fecht, K. R., G. V. Last, and M. C. Marratt. 1978b. ***Granulometric Data 216-B Crib Facilities Monitoring Well Sediments.*** **RHO-LD-45, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution and calcium carbonate content for sediment from boreholes at the 216-B liquid disposal facilities. The procedures used to collect the data are discussed in the report. The data also appears in the ROCSAN database.

Fredrickson, J. K., F. J. Brockman, B. N. Bjornstad, P. E. Long, S. W. Li, J. P. McKinley, J. V. Wright, J. L. Conca, T. L. Kieft, and D. L. Balkwill. 1993. "Microbiological Characteristics of Pristine and Contaminated Deep Vadose Sediments from an Arid Region." ***Geomicrobiology Journal,*** **V. 11, pp. 95-107**. The report gives results of analyses of total carbon, total organic carbon, inorganic carbon, nitrate, and moisture for a few samples from three boreholes. Methods are described in the text.

Freeman-Pollard, J. R. 1994. ***Engineering Evaluation of the GAO-RCED-89-157, Tank 241-T-106 Vadose Zone Investigation.*** **BHI-00061, Bechtel Hanford Inc., Richland, Washington**. The report gives analytical results from 34 samples from one borehole drilled in 1993. Analyses include VOA (EPA 8240), SVOA (EPA 8270), metals (CLP level IV procedures, anions, radionuclides, and moisture content. The geologist's log is included.

Fruchter, J. S., J. E. Amonette, C. R. Cole, Y. A. Gorby, M. D. Humphrey, J. D. Istok, F. A. Spane, J. E. Szecsody, S. S. Teel, V. R. Vermeul, M. D. Williams, and S. B. Yabusaki. 1996. ***In Situ Redox Manipulation Field Injection Test Report - Hanford 100-H Area.*** **PNNL-11372, Pacific Northwest National Laboratory, Richland, Washington.**

Fruchter, J. S., C. R. Cole, M. D. Williams, V. R. Vermeul, J. E. Amonette, J. E. Szecsody, J. D. Istok, and M. D. Humphrey. 2000. "Creation of a Subsurface Permeable Treatment Barrier Using In Situ Redox Manipulation." ***Groundwater Monitoring and Remediation Review,*** **p. 1-15.**

Fruland, R. M, R. A. Hagan, C. S. Cline, D. J. Bates, J. C. Evans, and R. L. Aaberg. 1989. ***Interim Site Characterization Report and Ground-Water Monitoring Program for the Hanford Site Solid Waste Landfill.*** **PNL-6823, Pacific Northwest Laboratory, Richland, Washington**. The report gives results of testing for particle size distribution and moisture content of samples from six wells.

Gardner, M. C. and K. D. Reynolds. 2000. *SX Slant Borehole Completion Report.* RPP-6917, Rev. 0, U.S. Department of Energy, Office of River Protection, Richland, Washington.

Gardner, M. G., K. D. Reynolds, and D. E. Skoglie. 2002a. *Completion Report for Probe Hole C3831 (TX-107) TX Tank Farm 200 West Area.* RPP-12293, Rev. 0, Prepared by Duratek Federal Services, Inc., Northwest Operations for CH2M HILL Hanford Group, Inc., Richland, Washington. The report contains the geologic and geophysical logs.

Gardner, M. G., K. D. Reynolds, and D. E. Skoglie. 2002b. *Completion Report for Probe Hole C3832 (TX-104) TX Tank Farm 200 West Area.* RPP-12017, Rev. 0, Prepared by Duratek Federal Services, Inc., Northwest Operations for CH2M HILL Hanford Group, Inc., Richland, Washington. The report contains the geologic and geophysical logs.

Gaylord, D. R., E. P. Poeter, and P. Townsend. 1991. *Summary Report of FY90/91 Geologic and Hydrogeologic Investigations at the Old Hanford Town Site, Washington*. The report gives the results of air permeameter measurements on several samples from one well. The report briefly discusses and gives reference to procedures. Unpublished report available from Duane G. Horton.

Gee, G. W. 1987. *Recharge at the Hanford Site: Status Report.* PNL-6403, Pacific Northwest Laboratory, Richland, Washington. The report gives moisture content for samples from four shallow boreholes at the McGee Ranch.

Gilmore, T. J, S. M. Goodwin, and D. R. Newcomer. 1989. *Well Completion Report for Wells 199-N-69 and 199-N-70*. Unpublished Pacific Northwest National Laboratory report. This document compiles the data collected during the drilling construction and testing of these 2 N Area wells.

Golder. 1982. *The Southeast Anticline Fault: Evaluation of Attitude and Displacement.* Prepared by Golder Associates, Inc. for Washington Public Power Supply System. The report contains geologic logs of 12 boreholes in the 600 Area.

Goldstrand, P. M. 1984. *Generalized Geology of the 241-AP Tank Farm.* RHO-RE-EV-31, Rockwell Hanford Operations, Richland, Washington. This report give particle size distribution and calcium carbonate content for samples collected in the excavation for 241-AP tank farm. Procedures are include in appendices.

Goodwin, S. M. 1990. *Borehole Completion Data Package for the 216-U-12 Crib.* WHC-MR-0208, Westinghouse Hanford Company, Richland, Washington.

Goodwin, S. M. 1993. *Petrography of the Coarse-Grained Facies of the Miocene-Pliocene Ringold Formation, South-Central Washington State.* M. S. Thesis, Western Washington University, Bellingham, Washington. The thesis gives particle size distributions, pebble count data of gravels, point count data for sands from samples of the Ringold Formation taken from drill core on the Hanford Site and outcrops on the White Bluffs. Also includes unpublished pebble counts from Lindsey.

Goodwin, S. M. and B. J. Bjornstad. 1990. ***200-East and 200-West Areas Low-Level Burial Grounds Borehole Summary Report.*** **WHC-MR-0204, Westinghouse Hanford Company, Richland, Washington.**

Hajek, B. F. 1966. ***Soil Survey: Hanford Project in Benton County Washington.*** **BNWL-243, Pacific Northwest Laboratory, Richland, Washington.** The report contains a surface soils map with descriptions for the Hanford Site.

Haney, W. A. and C. E. Linderoth. 1959. ***Exploratory Field Study of a Ground Waste Disposal Facility.*** **HW-60115, General Electric, Richland, Washington**. The report contains beta and Sr-90 values from sediment samples in five boreholes at the 216-S-2 and 216-S-2 cribs

Haney, W. A. (ed.). 1967. ***Final Report on the Effects of Ben Franklin Dam on Hanford.*** **BNWL-412, Battelle Northwest Laboratory, Richland, Washington**. The report gives laboratory measured radionuclide results from borehole samples near the 216-BY cribs, the BC cribs, the 216-A-8 crib, and the 216-A-5 crib in graphical form. BNWL radiological laboratories performed the analyses. The laboratory data sheets giving the numerical data can be obtained from Duane G. Horton.

Hartman, M. J. and K. A. Lindsey. 1993. ***Hydrogeology of the 100-N Area, Hanford Site, Washington.*** **WHC-SD-EN-EV-027, Westinghouse Hanford Company, Richland, Washington**. This report describes the hydrogeologic units beneath the 100-N Area summarizing data from previous reports, and providing chemical distribution of specific contaminants. The purpose is to serve as a reference for RCRA facility plans.

Heller, P. R., G. W. Gee, and D. A. Myers. 1984. ***Geotechnical Properties: Partially Saturated Zone Characteristics of the Skagit/Hanford Site.*** **PNL-5262, Pacific Northwest Laboratory, Richland, Washington**. The reports gives the results of analyses of particle size distribution (ASTM D-422), %GSSC, CEC, calcium carbonate content, pH, electrical conductivity, and moisture content (ASTM D-2216) from samples from five boreholes. Driller's logs are included. References to procedures are given. Particle size distribution data for sizes between 2 mm and 3 in. are tabulated; all other sizes are graphed only.

Heller, P. R., G. W. Gee, and D. A. Myers. 1985. ***Moisture and Textural Variations in Unsaturated Soils/Sediments Near the Hanford Wye Barricade.*** **PNL-5377, Pacific Northwest Laboratory, Richland, Washington**. The reports gives the results of analyses of particle size distribution (ASTM D-422), %GSSC, CEC, calcium carbonate content, pH, electrical conductivity, and moisture content (ASTM D-2216) from samples from five un-numbered boreholes. Driller's logs are included. References to procedures are given. Particle size distribution data for sizes between 2 mm and 3 in. are tabulated; all other sizes are graphed only.

Hodges, F. N. 1993. ***Borehole Completion Data Package for NRDWL Facility Monitoring Wells 699-25-34D and 699-26-34B.*** **WHC-SD-EN-DP-055, Westinghouse Hanford Company, Richland, Washington**. The report gives moisture content (GEL-14) and calcium carbonate content (GEL-19) for 5-ft interval samples from two new RCRA boreholes. Westinghouse Hanford Company's Geotechnical Engineering Laboratory did the analyses.

Hoffman, K. M. 1992. ***200-BP-1 Borehole Summary Report for Tasks 2, 4, and 6.*** **WHC-SD-EN-TI-054, Westinghouse Hanford Company, Richland, Washington**. Report contains porosity, specific gravity, calcium carbonate, bulk density, percent moisture and particle size distribution data for 13 wells and boreholes drilled in 1991 and 1992.

Horton, D. G. files Unpublished x-ray diffraction data from 150 samples of Hanford, Ringold, and Ellensburg formations from various boreholes in the 200 Areas and 100 Areas. Unpublished Dames and Moore engineering study done for Kaiser Engineers Hanford to support Hanford Waste Vitrification Project in 1989. The report contains soil engineering data from 17 boreholes. Summary lithologic logs are included. Unpublished XRF analyses of nine samples of Ringold Formation from 600 Area wells. Analyses were done by Washington State University. Data is available from Duane G. Horton.

Horton, D. G. 2000. ***Borehole Data Package for Wells 299-E33-334 and 299-E33-335 at Single-Shell Tank Waste Management Area B-BX-BY.*** **PNNL-13199, Pacific Northwest National Laboratory, Richland, Washington**. Report give moisture content every 5 ft throughout one borehole. Analyses were done at the laboratory in 3720 Building, Pacific Northwest National Laboratory.

Horton, D. G. and F. N. Hodges. 1999a. ***Borehole Data Package for 1998 Wells Installed at Single-Shell Tank Waste Management Area TX-TY.*** **PNNL-12124, Pacific Northwest National Laboratory, Richland, Washington**. Report presents several analytical results of cation exchange capacity, calcium carbonate content, alkalinity, major anions and cations, pH, and moisture content from samples from three wells. A few particle size distributions are also given. All analyses were done in the 3720 Building laboratories, Pacific Northwest National Laboratory.

Horton, D. G. and F. N. Hodges. 1999b. ***Borehole Data Package for 1998 Wells Installed at Single-Shell Tank Waste Management Area U.*** **PNNL-12126, Pacific Northwest National Laboratory, Richland, Washington**. Report contains analyses of cation exchange capacity, calcium carbonate content, major cations and anions, alkalinity, moisture content, electrical conductivity and pH for 28 samples from one well. Also, reported are four particle size distribution results from two wells. Analyses were done in the laboratories at 3720 Building, Pacific Northwest National Laboratory.

Horton, D. G. and F. N. Hodges. 1999c. ***Borehole Data Package for 1998 Wells Installed at Single-Shell Tank Waste Management Area T.*** **PNNL-12125, Pacific Northwest National Laboratory, Richland, Washington**. Report contains analyses of major cations, major anions and alkalinity, moisture content, and inorganic carbon for four samples from one borehole. Also, a few particle size distribution results are given. Analyses were done in 3720 Building, Pacific Northwest National Laboratory.

Horton, D. G. and S. M. Narbutovskih. 1999. *Borehole Data Package for Well 299-E33-44 at Single-Shell Tank Farm Waste Management Area B-BX-BY.* PNNL-12128, Pacific Northwest National Laboratory, Richland, Washington. Report contains analytical results for cation exchange capacity, calcium carbonate content, major cations and anions, alkalinity, moisture content, electrical conductivity, and pH for 26 samples from one borehole. Particle size distributions for nine samples are also given.

Horton, D. G. and V. G. Johnson. 2000. *Borehole Data Package for Wells 200-W22-48, 299-W22-49, and 299-W22-50 at Single-Shell Tank Waste Management Area S-SX.* PNNL-13200, Pacific Northwest National Laboratory, Richland, Washington. Report contains several analytical results of conductivity, pH, and moisture content from one split-spoon cored well and conductivity, pH, moisture content, and bulk density from on drive barrel sampled well. All analyses were done in the laboratories at the 3720 Building, Pacific Northwest National Laboratory.

Horton, D. G., B. A. Williams, and C. S. Cearlock. 2000. *Borehole Data Package for the 216-S-10 Pond and Ditch Well 299-W26-13.* PNNL-13198, Pacific Northwest National Laboratory, Richland, Washington. Report contains field determination of bulk density, moisture content (ASTM D-2216), pH, and particle size distribution (ASTM D-422) for three samples. The report also contains laboratory analytical results from seven samples and three QC samples for VOA, SVOA, anions, PCBs, and selected metals.

Horton, D. G. and V. G. Johnson. 2001. *Borehole Data Package for Calendar Year 2000-2001 RCRA Wells at Single-Shell Tank Waste Management Area S-SX.* PNNL-13589, Pacific Northwest National Laboratory, Richland, Washington. This report describes the installation of six groundwater monitoring wells at WMA S-SX: 299-W22-80, 299-W22-81, 299-W22-82, 299-W22-83, 299-W23-20, and 299-W23-21. Geologist's logs, a few particle size distributions, and spectral gamma logs are given in appendices.

Horton, D. G. and F. N. Hodges. 2001a. *Borehole Data Package for Calendar Year 2000-2001 RCRA Wells at Single-Shell Tank Waste Management Area T.* PNNL-13590, Pacific Northwest National Laboratory, Richland, Washington. This report describes the installation of five groundwater monitoring wells at WMA T: 299-W1-38, 299-W11-39, 299-W11-40, 299-W11-41, and 299-W11-42. Geologist's logs, a few particle size distributions, and spectral gamma logs are given in appendices.

Horton, D. G. and F. N. Hodges. 2001b. *Borehole Data Package for the Calendar Year 2000 – 2001 RCRA Wells at Single-Shell Tank Waste Management Area TX-TY.* PNNL-13591, Pacific Northwest National Laboratory, Richland, Washington. This report describes the installation of five groundwater monitoring wells at WMA TX-TY: 299-W10-27, 299-W14-15, 299-W14-16, 299-W14-17, and 299-W15-763. Geologist's logs, a few particle size distributions, and spectral gamma logs are given in appendices.

Horton, D. G. 2002a. ***Borehole Data Package for Calendar Year 2001 RCRA Well Installation at Single-Shell Tank Waste Management Area T.*** **PNNL-13830, Pacific Northwest National Laboratory, Richland, Washington.** This report describes the installation of one groundwater monitoring well, 299-W10-28, at WMA T. The geologist's log, a few particle size distributions, and spectral gamma and neutron moisture logs are given in an appendix.

Horton, D. G. 2002b. ***Borehole Data Package for Calendar Year 2001 RCRA Well Installation at Single-Shell Tank Waste Management Area TX-TY.*** **PNNL-13826, Pacific Northwest National Laboratory, Richland, Washington.** This report describes the installation of two groundwater monitoring wells, 299-W14-18 and 299-W15-765, at WMA TX-TY. The geologist's logs, a few particle size distributions, and spectral gamma and neutron moisture logs are given in appendices.

Horton, D. G. 2002c. ***Borehole Data Package for Calendar Year 2001 RCRA Wells at Single-Shell Tank Waste Management Area U.*** **PNNL-13828, Pacific Northwest National Laboratory, Richland, Washington**. This report describes the installation of three groundwater monitoring wells at WMA U: 299-W18-40, 299-W19-44, and 299-W19-45. The geologist's logs, some particle size distributions, and spectral gamma and neutron moisture logs are given in the appendices.

Horton, D. G. 2002d. ***Borehole Data Package for Calendar Year 2001 RCRA Wells at Single-Shell Tank Waste Management Area B-BX-BY.*** **PNNL-13827, Pacific Northwest National Laboratory, Richland, Washington**. This report describes the installation of three groundwater monitoring wells at WMA B-BX-BY: 299-E33-337, 299-E33-338, and 299-E33-339. The geologist's logs, some particle size distributions, and spectral gamma and neutron moisture logs are given in the appendices.

Horton, D. G. 2002e. ***Borehole Data Package for Calendar Year 2001 RCRA Wells at Single-Shell Tank Waste Management Area S-SX.*** **PNNL-13829, Pacific Northwest National Laboratory, Richland, Washington**. This report describes the installation of two groundwater monitoring wells at WMA S-SX: 299-W22-84 and 299-W22-85. The geologist's logs, some particle size distributions, and spectral gamma and neutron moisture logs are given in the appendices.

Horton, D. G., H. T. Schaef, R. J. Serne, C. F. Brown, M. M. Valenta, T. S. Vickerman, I. V. Kutnyakov, S. R. Baum, K. N. Geiszler, and K. E. Parker. 2003a. ***Geochemistry of Samples from Borehole C3177 (299-E24-21).*** **PNNL-14289, Pacific Northwest National Laboratory, Richland, Washington**. The report contains the results of physical and geochemical testing of 18 samples for the Integrated Disposal Facility characterization.

Horton, D. G. 2003a. ***Data Package for Calendar Year 2002 RCRA Groundwater Monitoring Wells at Single-Shell Tank Waste Management Area TX-TY.*** **PNNL-14249, Pacific Northwest National Laboratory, Richland, Washington**. This report describes the installation of two groundwater monitoring wells at WMA TX-TY: 299-W14-19 and 299-W15-44. The geologist's logs, some particle size distributions, and spectral gamma logs are given in THE appendices.

Horton, D. G. 2003b. ***Data Package for Groundwater Monitoring Well 299-W19-14 at the 200-UP-1 Operable Unit.*** **PNNL-14248, Pacific Northwest National Laboratory, Richland, Washington**. The report contains the geologist's log and the geophysical logs for one well.

Horton, D. G. 2003c. ***Data Package for Groundwater Monitoring Well 299-W15-43 at the 200-ZP-1 Operable Unit.*** **PNNL-14255, Pacific Northwest National Laboratory, Richland, Washington**. The report contains the geologist's log and the geophysical logs for one well.

Hulstrom, L. C. 2004. ***200-PW-2 and 200-PW-4 Operable Units Borehole Summary Report.*** **CP-18666, Rev. 0, Fluor Hanford, Richland, Washington.** The report contains the geologic logs, geophysical logs, particle size distributions, and moisture content from boreholes C3245, C4107, C4108, C4109, C4110, C4111, C4112, C4106, C3247, C3246, C3248, C4160, and C4113.

Isaacson, R. E., L. E. Brownell, and J. C. Hanson. 1974. ***Soil Moisture Transport in Arid Site Vadose Zones.*** **ARH-2983, Atlantic Richfield Hanford Company, Richland, Washington**. The report gives results of testing for pH and percent gravel, sand, silt and clay for 5-ft interval samples from well 699-32-49. Also included are tritium content of soil moisture for some samples from 699-19-47, 699-32-49B and 699-32-49 D.

Johnson, V. G. 1993. ***Groundwater Impact Assessment Report for the 216-Z-20 Crib, 200 West Area.*** **WHC-EP-0674, Westinghouse Hanford Company, Richland, Washington**. The report contains Am-241 and Pu-239 laboratory results from eight samples from one well. Americium was determined by low energy gamma-ray spectrometry.

Johnson, V. M., K. A. Lindsey, R. J. Serne, R. S. Edrington, and T. H. Mitchel. 1995. ***N-Springs Barrier Wall Drilling Program Data Package.*** **BHI-00135, Rev. 1, Bechtel Hanford, Inc., Richland, Washington**. The report contains geologist's logs for 8 boreholes in 100-N Area. Analyses of selected soil samples include particle size distribution, gamma energy analysis, strontium-90, and tritium.

Kasper, R. B. 1981. ***216-Z-12 Crib Status Report.*** **RHO-LD-166, Rockwell Hanford Operations. Richland, Washington**. Report contains the results of Pu-239 and Am-241 on sediment samples from previous studies.

Kasper, R. B. 1982. ***216-Z-12 Transuranic Crib Characterization: Operational History and Distribution of Plutonium and Americium.*** **RHO-ST-44, Rockwell Hanford Operations, Richland, Washington**. The report contains analytical results for Pu-238, Pu-239/240, and Am-241 on samples from seven boreholes. Analytical laboratories were Rockwell laboratories in the 200 West Area, Eberline Instrument Corporation Laboratory, and LFE Environmental Analytical Laboratory.

Kasza, G. L. 1992. ***Borehole Completion Data Package for 216-A-29 RCRA Facility Monitoring Wells: Calendar Year 1991.*** **WHC-SD-EN-DP-047, Westinghouse Hanford Company, Richland, Washington**. Report contains calcium carbonate content and moisture content from samples at 5-ft intervals in four new wells. (Moisture was measured only in intervals where no water was added.) All analyses were done by Westinghouse Hanford Company laboratories. Geologist logs are included.

Kasza, G. L. 1993. ***Borehole Completion Data Package for 216-A-29 RCRA Facility Monitoring Wells 299-E25-47 and 299-E25-48.*** **WHC-SD-EN-DP-054, Westinghouse Hanford Company, Richland, Washington**. The report gives moisture content (GEL-14) and calcium carbonate content (GEL-19) for 5-ft interval samples from two new RCRA boreholes. Westinghouse Hanford Company's Geotechnical Engineering Laboratory did the analyses.

Khaleel, R. 1999. ***Far-Field Hydrology Data Package for Immobilized Low-Activity Tank Waste Performance Assessment.*** **HNF-4769, Rev. 1, Fluor Federal Services, Richland, Washington**. This report presents the laboratory measurements on physical and hydraulic properties for soil samples at the immobilized low-activity waste disposal site.

Kious, J. J. 2001. ***116-H-1 Characterization Borehole Results.*** **BHI-01541, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.** This report describes characterization activities associated with drilling and sampling of borehole C3048. Moisture content data and a geologist's log are given.

Last, G. V. and T. G. Caldwell. 2001. ***Core Sampling in Support of the Zone Transport Field Study.*** **PNNL-13454, Pacific Northwest National Laboratory, Richland, Washington**. Borehole logs, moisture content, bromide and chloride content for three split spoon sampled holes at the Sisson and Lu site. Halide analyses were done by ion specific electrodes.

Last, G. V. and V. J. Rohay. 1993. ***Refined Conceptual Model for the Volatile Organic Compounds-Arid Integrated Demonstration and 200 West Area Carbon tetrachloride Expedited response Action.*** **PNL-8597, Pacific Northwest Laboratory, Richland, Washington**. This report gives results of analyses for volatile organics, anions, cyanide, mercury lead, metals, and radionuclides on samples from six wells at the 216-Z-9 trench and 216-A-1A tile field.

Last, G. V, R. J. Serne, and V. L. LeGore. 1995. ***Field Lysimeter Studies for Performance Evaluation of Grouted Hanford Defense Wastes.*** **PNL-10166, Pacific Northwest Laboratory, Richland, Washington**. The report gives particle size analyses for samples collected from excavated soils from 241-AN tank farm.

Last, G. V, M. A. Glennon, M. A. Young, and G. W. Gee. 1987. ***Protective Barrier Materials Analysis: Fine Soil Site Characterization.*** **PNL-6314, Pacific Northwest Laboratory, Richland, Washington**. The report gives moisture content (ASTM D-2216) and particle size distribution (procedure developed by D. L. Uebelacker) for samples from 40 test holes at the McGee Ranch. Samples were obtained by split-spoon methods.

Last, G. V., B. N. Bjornstad, M. P. Bergeron, D. W. Wallace, D. R. Newcomer, J. A. Schramke, M. A. Chamness, C. S. Cline, S. P. Airhart, and J. S. Wilbur. 1989. ***Hydrogeology of the 200 Areas Low-Level Burial Grounds - An Interim Report.*** **PNL-6820, Vol. 2, Pacific Northwest Laboratory, Richland, Washington**. The report contains soil moisture content of samples from 24 new RCRA wells. Analytical procedures are discussed in the text.

Last, G. V., D. W. Duncan, M. J. Graham, M. D. Hall, V. W. Hall, D. S. Landeen, J. G. Leitz, and R. M. Mitchell. 1994. ***216-U-10 Pond and 216-Z-19 Ditch Characterization Studies.*** **WHC-EP-0707, Westinghouse Hanford Company, Richland, Washington**. Report contains analytical results for Sr-90, Sc-137, Pu-239/240, and Am-241 from several samples obtained from several boreholes. The analyses were done by Rockwell Operations Laboratories, LFE Environmental Analytical Laboratory, and Eberline Technology Laboratory.

Last, G. V. and T. G. Caldwell. 2001. ***Core Sampling in Support of the Vadose Zone Transport Field Study.*** **PNNL-13454, Pacific Northwest National Laboratory, Richland, Washington**. The report contains geologist's logs, moisture content, particle size distributions, and chloride content of soils for three shallow boreholes at the Sisson and Lu field site.

Last, G. V., T. G. Caldwell, and A. T. Owen. 2001. ***Sampling of Boreholes WL-3A through -12 in Support of the Vadose Zone Transport Field Study.*** **PNNL-13631, Pacific Northwest National Laboratory, Richland, Washington**. The report contains the geologic logs, moisture content, percent fines, and 1:1 sediment to water anion concentrations of 12 borings at the Sisson and Lu site, 200 East Area.

Laurenz, J. E. 1993. ***Characterization Regulatory Support Document, Project C-018H Soil Column Disposal Siting Evaluation.*** **WHC-SC-C018H-TI-001, Westinghouse Hanford Company, Richland, Washington**. The report gives the results of analyses for metals, anions gross alpha, gross beta, Cs-137, and pH for a small number of samples from wells 699-48-77A and 699-48-77B.

Laurenz, J. E. and L. D. Walker. 2001. ***In Situ Redox Manipulation Barrier Well Completion Report for the 100-HR-3 Groundwater Operable Unit. FY 2000.*** **BHI-01381, Rev. 0, Bechtel Hanford, Inc., Richland, Washington**. This report describes the installation of 16 groundwater monitoring wells in the 100-D Area (wells 199-D4-24 through 199-D4-39). Geologist's logs are in an appendix.

Lee, T. A. 1999. ***Well Completion Report for Fiscal Year 1999 Drilling Within the Chromium Plume West of the 100-D/DR Reactors.*** **BHI-01300, Rev. 0, Bechtel Hanford, Inc., Richland, Washington**. The report contains the geologists logs and limited particle size distribution data for twelve wells.

Liikala, T. L., R. L. Aaberg, N. J. Aimo, D. J. Bates, T. J Gilmore, E. J. Jensen, G. V. Last, P. L. Oberlander, K. B. Olsen, K. R. Oster, L. R. Roome, J. C. Simpson, S. S. Teel, and E. J. Westergard. 1988. ***Geohydrologic Characterization of the Area Surrounding the 183-H Solar Evaporation Basins.*** **PNL-6728, Pacific Northwest Laboratory, Richland, Washington**.

Lindberg, J. W. 1994. ***Geology of the McGee Ranch Site, Area B: Phase II Characterization.*** **WHC-SD-EN-TI-206, Westinghouse Hanford Company, Richland, Washington**. The report gives the geologist's logs for 57 shallow boreholes drilled to assess the amount of fine-grained soil for use in surface barriers.

Lindberg, J. W., B. A. Williams, and F. A. Spane. 1997. ***Borehole Data Package for Well 699-37-47A, PUREX Plant Cribs, CY 1996.*** **PNNL-11515, Pacific Northwest National Laboratory, Richland, Washington**. The report contains the geologist's log and minor analytical results for one borehole.

Analytical results include x-ray diffraction for one sample of Ringold Formation lower mud and physical properties data for four samples. The physical properties include particle size distribution (ASTM D-422), specific gravity (ASTM D-854), and calcium carbonate content (ASTM D-4373).

Lindsey, K. A. 1991. Unpublished letter report containing particle size distribution data from boreholes and outcrops of Hanford formation and Ringold Formation. Outcrop locations are on the east side of the Columbia River across from the 300 Area, at Taylor Flats and on the 200 Area Plateau. Data is available from Duane G. Horton. Analyses were done by Westinghouse Hanford Company's Solids Characterization and Barriers Laboratory.

Lindsey, K. A. 1992. ***Geology of the Hanford Site, An Outline of Data Sources and Geologic Setting of the 100 Areas.*** **WHC-SD-EN-TI-011, Westinghouse Hanford Company, Richland, Washington**.

Lindsey, K. A. and G. K. Jaeger. 1993. ***Geologic Setting of the 100-HR-3 Operable Unit, Hanford Site, South-Central Washington*****. WHC-SD-EN-TI-132, Westinghouse Hanford Company, Richland, Washington**.

Lindsey, K. A., S. E. Kos, and K. D. Reynolds. 2001. ***Vadose Zone Geology of Boreholes 299-E33-45 and 299-W33-46 B-BX-BY Waste Management Area Hanford Site, South-Central Washington.*** **RPP-8681, Rev. 0, U.S. Department of Energy, Office of River Protection, Richland, Washington.**

Luttrell, S. P., K. R. Oster, and D. R. Newcomer. 1991. ***Completion Report for the 216-B-3 Pond Drilling and Characterization Activities, FY 1988, Separations Area Ground-Water Monitoring Project.*** **WHC-SD-EN-TI-030, Westinghouse Hanford Company, Richland, Washington**. The report gives particle size distributions, calcium carbonate content, and geologist's logs for four wells in the B-pond area.

Martinez, C. R. and D. C. Weekes. 2002. ***ISRM Barrier Well Completion Report for the 100-HR-3 Groundwater Operable Unit, Fiscal Year 2002.*** **BHI-01638, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.**

Martinez, C. R. 2003. ***Calendar Year 2003 RCRA Groundwater Monitoring Well Summary Report.*** **WMP-18472, Rev. 0., Fluor Hanford, Richland, Washington**. The report contains the geologist's logs, the geophysical logs, and limited particle size data for two wells at WMA A-AX and five wells at WMA C.

Martinez, C. R. 2004. ***Fiscal Year 2004 CERCLA Groundwater Monitoring Well Summary Report for the 100-HR-3, 200-ZP-1, 200-UP-1 Operable Units.*** **WMP-21220, Rev. 0, Fluor Hanford, Richland, Washington**. The report contains the geologist's logs, the geophysical logs, and limited particle size data for nine wells.

McHenry, J. R. 1957. ***Properties of Soils of the Hanford Project.*** **HW-53218, Hanford Atomic, Products Operation, General Electric, Richland, Washington**. This report gives the analytical results of testing many sediment samples from 33 wells in the 200 and 600 Areas and 28 surface locations in the Hanford Site vicinity. The sampled wells were drilled by "hard-tool." References to procedures used are given in the text. The analytical tests include percent gravel-sand-silt-clay, pH, 15-Atmosphere moisture, calcium carbonate content, and cation exchange capacity.

Mercer, R. B. 1993a. ***1992 Borehole Completion Data Package for the Low-Level Burial Grounds.*** **WHC-SD-EN-DP-049, Westinghouse Hanford Company, Richland, Washington**. Report contains calcium carbonate content and moisture content from samples at 5-ft intervals in ten new wells. All analyses were done by Westinghouse Hanford Company laboratories. Geologist logs are included.

Mercer, R. B. 1993b. ***1991 Borehole Completion Data Package for the Low-Level Burial Grounds.*** **WHC-SD-EN-DP-044, Westinghouse Hanford Company, Richland, Washington**. Report contains calcium carbonate content and moisture content from samples at 5-ft intervals in 18 new wells. (Moisture was measured only in intervals where no water was added.) All analyses were done by Westinghouse Hanford Company laboratories. Geologist logs are included.

Mercer, R. B. 1994. ***1993 Borehole Completion Data Package for the Low-Level Burial Grounds.*** **WHC-SD-EN-DP-086, Westinghouse Hanford Company, Richland, Washington**. The report gives moisture content (GEL-14) and calcium carbonate content (GEL-19) for 5-ft interval samples from two new RCRA boreholes. Westinghouse Hanford Company's Geotechnical Engineering Laboratory did the analyses.

Mitchell, R. M., D. L. Edwards, B. M. Markes, R. K. Price, and K. D. Reynolds. 1998. ***TWRS Phase 1 Privatization Site Preconstruction Characterization Report.*** **HNF-2067, Fluor Daniel Hanford, Inc., Richland, Washington**. The report provides laboratory analyses of cyanide (EPA method 9010), anions (EPA method 300.0), metals (EPA method 6010A) and radionuclides (laboratory standard operating procedures) on 76 surface soil samples from the former Grout Treatment Facility site. Analyses were done by the Hanford Site Waste Sampling and Characterization Facility and Special Analytical Services laboratories. Quanterra was the QC lab. Data are available electronically.

Moodie, C. D., R. Okazaki, H. W. Smith, and J. A. Kittrick. 1966. "A Note on the Clay Mineralogy of Four Samples from the Ringold Formation." ***Northwest Science*****, v. 40, p. 43-45**. The report gives qualitative results of x-ray diffraction analysis of three size fractions of four samples of the Ringold Formation from the White Bluffs.

Myers, D. A., V. M. Johnson, M. Mehlhorn, and L. D. Walker. 1996. ***Well Summary Report: 100-HR-3 and 100-KR-4 Interim Remedial Action Wells.*** **BHI-00953, Bechtel Hanford, Inc., Richland, Washington**.

Newcomer, D. R., L. A. Doremus, S. H. Hall, M. J. Truex, V. R. Vermeul, and R. E. Engelman. 1995. ***Geology, Hydrology, Chemistry, and Microbiology of the In Situ Bioremediation Demonstration Site.*** **PNL-10422, Pacific Northwest Laboratory, Richland, Washington**. The report gives the results of analyses of %GSSC (PNL JEA-2), XRD (PNL JEA-3) , total iron/ferrous iron, amorphous silica, nitrogen, phosphorus, bulk and particle density (PNL SA-9), and porosity for a few samples from one well. The results of analyses of total carbon, organic carbon and inorganic carbon are given for samples from two wells and VOC results are given for three wells. The text references the procedures used.

Opitz, B. E. 1982. ***A Laboratory Evaluation of the 100N Disposal Basin Sediments*****. Prepared for the NUC Nuclear Industries by Pacific Northwest Laboratory, Richland, Washington**. This report describes the laboratory testing of the chemical properties of sediments and solutions at the 100 N Area disposal basin. The purpose of the study was to evaluate the drainage capacity of the sediment for basin design.

Packer, D. R. 1979. "*Paleomagnetism and Age Dating of the Ringold Formation and Loess Deposits in the State of Washington*." Oregon Geology 41:119-132. Presents results of paleomagnetic analyses from several stratigraphic sections of the Ringold Formation along the White Bluffs.

Packer, D. R. and J. M. Johnston. 1979. ***A Preliminary Investigation of the Magnetostratigraphy of the Ringold Formation*****. RHO-BWI-C-42, Rockwell Hanford Operations, Richland, Washington.** Scoping study to determine the efficacy of paleomagnetic studies on the Ringold Formation. Results of paleomagnetic analyses from three surface outcrops along the White Bluffs (Parsons Canyon, Ringold Flat, and northern White Bluffs) as well as 6 coreholes drilled on the Hanford Site 299-W11-26 (DH-6), 299-W19-10 (DH-7), 699-54-18C (DH-9b), 299-W15-14 (DH-11), 299-W14-8 (DH-13), and 299-E19-1 (DH-17).

Pearson, A. W. 1990. ***Borehole Summary Report for Twelve Single-Shell Tank Wells Installed in 1989.*** **WHC-MR-0209, Westinghouse Hanford Company, Richland, Washington**. The report gives the result of analyses of gross alpha, gross beta, VOA, anions, and total organic carbon for five samples from each of twelve wells.

Peterson, R. E., R. F. Raidl, and C. W. Denslow. 1996. ***Conceptual Site Models for Groundwater Contamination at the 100-BC-5, 100-KR-4, 100-HR-3, and 100-FR-3 Operable Units.*** **BHI-00917, Bechtel Hanford Company, Richland, Washington**.

Pluhar, C. J., 2002. ***Paleomagnetism of Corehole E24-21, W10-27, W11-39, W19-43, and W23-21 Sediments, Hanford, WA.*** **University of California, Santa Cruz, Earth Sciences Department. 1156 High St., Santa Cruz, California 95064-1077.** The report gives the methods and results of 121 paleomagnetic analysis of Hanford formation and older sediments from drill ore segments. Steve Reidel, Bruce Bjornstad, and Duane Horton have copies of the report.

Price, S. M., R. B. Kasper, M. K. Additon, R. M. Smith, and G. V. Last. 1979. ***Distribution of Plutonium and Americium beneath the 216-Z-1A Crib: A Status Report.*** **RHO-ST-17, Rockwell Hanford Operations, Richland, Washington**. This report contains the results of about 400 analyses of Am-241 and Pu-239/240 on samples from 16 wells drilled between 1973 and 1979. Samples were collected by split tube or drive barrel. Samples were analyzed by laboratories in the 200 West Area and Pacific Northwest Laboratory. Selected samples were analyzed by Inteelcom Radiation Technology Laboratory and LFE Laboratory.

Prater, L. S. 1984. ***Geology of the Area to the Northeast of the 1325-N Crib*****. PNL-6865, Pacific Northwest Laboratory, Richland, Washington**. This report summarizes the drilling logs, provides the geophysical logs and aquifer testing results of several wells near the head end of the 1325-N Crib.

Reidel, S. P. and D. G. Horton. 1999. ***Geologic Data Package for 2001 Immobilized Low-Activity Waste Performance Assessment.*** **PNNL-12257, Rev. 1, Pacific Northwest National Laboratory, Richland, Washington**. This report gives the results of paleomagnetic analysis of seventeen sediment samples of the Hanford formation from well 299-E17-21.

Reynolds, K. D. 2003a. ***Completion Report for Probe Hole C4104 (T-106) T Tank Farm Drilling and Sampling.*** **RPP-17275, Rev. 0, Prepared by Durateck Federal Services, Inc., Northwest Operations for CH2M HILL Hanford Group, Inc., Richland, Washington.** The report contains the geologist log and the geophysical logs.

Reynolds, K. D. 2003b. ***Completion Report for Probe Hole C4105 (T-106) T Tank Farm Drilling and Sampling.*** **RPP-16340, Rev. 0, Prepared by Durateck Federal Services, Inc., Northwest Operations for CH2M HILL Hanford Group, Inc., Richland, Washington.** The report contains the geologist log and the geophysical logs.

Reynolds, K. D. 2003c. ***Completion Report for Probe Hole C3830(TX-105) TX Tank Farm 200 West Area.*** **RPP-13741, Rev. 0, Prepared by Durateck Federal Services, Inc., Northwest Operations for CH2M HILL Hanford Group, Inc., Richland, Washington.** The report contains the geologist log and the geophysical logs.

Rohay, V. J. 1995. ***FY 1993 Wellfield Enhancement Status Report and Data Package for the 200 West Area Carbon Tetrachloride Expedited Response Action.*** **BHI-00105, Bechtel Hanford, Inc., Richland, Washington**. This report contains the geologist's log, and data from analyses of particle size distribution, moisture content, calcium carbonate content, VOA, anions, CN, Hg, Pb, SVOA, and metals from samples obtained from borehole 299-W15-223.

Rohay, V. J. and D. C. Weekes. 1998. ***Borehole Summary Report for the 216-B-2-2 Ditch.*** **BHI-01177, Bechtel Hanford Inc., Richland, Washington**. Report describes the drilling and sampling and analysis results from one characterization borehole. Laboratory chemical analyses were done by EPA approved methods; radionuclide analyses by standard laboratory procedures; specific gravity by ASTM

D-854; cation exchange capacity by EPA 9081; organic carbon by EPA 9060, density by ASTM D-2937; particle size distribution by ASTM D-422; and percent moisture by ASTM D-2216. A geologist's log is included.

Rohay, V. J., G. V. Last, V. L. King, and L. A. Doremus. 1992. FY92 Site Characterization Status Report and Data Package for the Carbon Tetrachloride Site. WHC-SD-EN-TI-063. Westinghouse Hanford Company, Richland, Washington.

Rohay, V. J., K. J. Swett, and G. V. Last. 1994. ***1994 Conceptual Model of the Carbon Tetrachloride Contamination in the 200 West Area at the Hanford Site.*** **WHC-SD-EN-TI-248, Westinghouse Hanford Company, Richland, Washington**. This report contains percent gravel-sand-silt-clay, bulk density and moisture content for 62 samples from nine boreholes determined in previous studies. Laboratory chemical analysis of VOAs are reported for five new and two deepened wells and anions, metals, SVOAs, and radionuclide activities are reported for one new well.

Rohay, V. J., K. J. Swett, V. M. Johnson, G. V. Last, D. C. Lanigan, and L. A. Doremus. 1993. ***FY93 Site Characterization Status Report and Data Package for the Carbon Tetrachloride Site.*** **WHC-SD-EN-TI-202, Westinghouse Hanford Company, Richland, Washington**. The report contains the results of analyses of moisture content, calcium carbonate content, VOA, SVOA, metals, cations, anions, and radionuclides from samples from 6 new wells. Also included are particle size distribution, bulk density, and porosity data for samples from two wells. The Westinghouse Geotechnical Laboratory did the analyses of particle size distribution, density and porosity. Geologist's logs are included.

Routson, R. C. 1987. ***Impact of the Uranium Release (August 6, 1986) to the 216-U-14 Ditch.*** **Internal Memo 65631-87-054. Westinghouse Hanford Company, Richland, Washington**. Memo gives U-235 values for 5-ft interval samples from three boreholes drilled in 1987 at the 216-U-14 ditch. See Duane G. Horton for data.

Routson, R. C. and K. R. Fecht. 1979. ***Soil (Sediment) Properties of Twelve Hanford Wells with Geologic Interpretation.*** **RHO-LD-82, Rockwell Hanford Operations, Richland, Washington**. This report give analytical results for pH, calcium carbonate content, cation exchange capacity, bulk density, porosity, and percent gravel-sand-silt-clay (hydrometer) for 5-ft interval samples from 12 wells. Procedures are described in the text.

Routson, R. C., W. H. Price, D. J. Brown, and K. R. Fecht. 1979. ***High-Level Waste Leakage from the 241-T-106 Tank at Hanford.*** **RHO-ST-14, Rockwell Hanford Operations, Richland, Washington**. The report gives x-ray diffraction and scanning electron microscopy mineralogy for several samples. General, representative physical property data are given for sediment in the 200 West Area.

Routson, R. C., G. S. Barney, R. M. Smith, C. H. Delegard, and L. Jensen. 1981. ***Fission Product Sorption Parameters for Hanford 200 Area Sediment Types.*** **RHO-ST-35, Rockwell Hanford Operations, Richland, Washington**. This report includes results of cation exchange capacity

measurements, calcium carbonate content, texture (particle size by hydrometer), and qualitative mineralogy by x-ray diffraction from 21 samples of Hanford Site sediments collected from boreholes in the 200 Areas. See the report for references to procedures.

Schramke, J. A. 1988. *Characterization of 200 Area Soil Samples.* Internal Letter Report, Pacific Northwest Laboratory, Richland, Washington. The report gives the results of particle size distribution (hydrometer), XRD, XRF, total carbon, inorganic carbon, total organic carbon, and cation exchange capacity analyses of several samples from wells at low-level burial grounds. The procedures for cation exchange capacity and s-ray diffraction are given in the text.

Serkowski, J. A. 1986. Internal letter report, Rockwell Hanford Operations, Richland, Washington. The letter report give graphic moisture data and tabulated percent gravel-sand-silt-clay for five boreholes at 241-A tank farm. See Duane G. Horton for data.

Serne, R. J., H. T. Schaef, B. N. Williams, D. C. Lanigan, D. G. Horton, R. E. Clayton, V. L. LeGore, M. J. O'Hara, C. F. Brown, K. E. Parker, I. V. Kutnyakov, J. N. Serne, A. V. Mitroshkov, G. V. Last, S. C. Smith, C. W. Lindenmeier, J. M. Zachara, and D. B. Burke. 2001a. *Characterization of Uncontaminated Sediments from the Hanford Reservation - RCRA Borehole Core Samples and Composite Samples.* PNNL-2001-1, Pacific Northwest National Laboratory, Richland, Washington. This report presents results of detailed physical and chemical characterization of vadose zone sediments from two RCRA boreholes and four composite samples which are "standards" for the Hanford and upper Ringold formations. Analytical procedures are well documented. Analyses include moisture content, particle size distribution including hydrometer, calcium carbonate content, organic carbon content, x-ray fluorescence, x-ray diffraction, transmission electron microscopy composition of clay minerals, cation exchange capacity, 1:1 water extracts (pH, alkalinity, anions, metals), nitric acid extract (anions and metals) ammonium acetate extract (metals), and pore water composition (cations, anions, pH, and alkalinity).

Serne, R. J, H. T. Schaef, B. N. Bjornstad, D. C. Lanigan, G. W. Gee, C. W. Lindenmeier, R. E. Clayton, V. L. LeGore, R. D. Orr, M. J. O'Hara, C. F. Brown, G. V. Last, I. V. Kutnyakov, D. B. Burke, T. C. Wilson, and B. A. Williams. 2001b. *Geologic and Geochemical Data Collected from Vadose Zone Sediments from Borehole 299-W23-19 [SX-115] in the X/SX Waste Management Area and Preliminary Interpretations.* PNNL-2001-3, Pacific Northwest National Laboratory, Richland, Washington. This report presents results of detailed physical and chemical characterization of vadose zone sediments from one borehole. Analytical procedures are well documented. Analyses include moisture content, particle size distribution including hydrometer, calcium carbonate content, organic carbon content, total carbon content, inorganic carbon content, gamma energy analysis, tritium, strontium-90, x-ray fluorescence, x-ray diffraction, transmission electron microscopy composition of clay minerals, cation exchange capacity, 1:1 water extracts (pH, alkalinity, anions, metals), nitric acid extract (anions and metals) , and pore water composition (cations, anions, pH, and alkalinity).

Serne, R. J., G. V. Last, G. W. Gee, H. T. Schaef, D. C. Lanigan, C. W. Lindenmeier, R. E. Clayton, V. L. LeGore, R. D. Orr, M. J. O'Hara, C. F. Brown, A. T. Owen, I. V. Kutnyakov, T. C. Wilson, and D. A. Myers. 2001c. *Geologic and Geochemical Data Collected from Vadose Zone Sediments from Borehole SX 41-09-39 in the S/SX Waste Management Area and Preliminary Interpretations.*

PNNL-2001-2, Pacific Northwest National Laboratory, Richland, Washington. This report presents results of detailed physical and chemical characterization of vadose zone sediments from borehole 41-09-39 (299-W23-234). Analytical procedures are well documented. Analyses include moisture content, particle size distribution including hydrometer, calcium carbonate content, total carbon content, inorganic carbon content, gamma energy analysis, tectnetium-99, strontium-90, x-ray fluorescence, x-ray diffraction, transmission electron microscopy composition of clay minerals, cation exchange capacity, pH, alkalinity, anions, and metals. Analyzed media include sediment, pore water, 1:1 water extract and acid extract.

Serne R. J., R. E. Clayton, I. V. Kutnyakov, G. V. Last, V. L. Legore, T. C. Wilson, H. T. Schaef, M. J. O'Hara, K. B. Wagnon, D. C. Lanigan, C. F. Brown, B. A. Williams, C. W. Lindenmeier, R. D. Orr, D. S. Burke, and C. C. Ainsworth. 2002. ***Characterization of Vadose Zone Sediment: Slant Borehole SX-108 in the S-SX Waste Management Area.*** **PNNL-13757-4, Pacific Northwest National Laboratory, Richland, Washington**. This report gives the results of laboratory analyses of samples from the slant borehole at WMA S-SX. The types of analyses include particle size distribution, moisture content, x-ray diffraction of bulk samples and clay separates, and particle density. Also included are analytical results of 1:1 sediment to water extracts. The analyses of the extracts include pH, electrical conductivity, anions, major and trace metals, alkalinity, inorganic carbon, organic carbon, gamma energy, Sr-90, and tritium.

Serne, R. J., B. N. Bjornstad, D. G. Horton, D. C. Lanigan, C. W. Lindenmeier, M. J. Lindberg, R. E. Clayton, V. L. LeGore, K. N. Geiszler, S. R. Baum, M. M. Valenta, I. V. Kutnyakov, T. S. Vickerman, R. D. Orr, and C. F. Brown. 2004a. ***Characterization of Vadose Zone Sediments Below the T Tank Farm: Boreholes C4104, C4105, 299-W10-196, and RCRA Borehole 299-W11-39.*** **PNNL-14849, Pacific Northwest National Laboratory, Richland, Washington**. This report gives the results of laboratory analyses of samples from two boreholes that penetrate sediments contaminated by the T-106 tank leak. The types of analyses include particle size distribution, moisture content, x-ray diffraction of bulk samples and clay separates, and particle density. Also included are analytical results of 1:1 sediment to water extracts. The analyses of the extracts include pH, electrical conductivity, anions, major and trace metals, alkalinity, inorganic carbon, organic carbon, gamma energy, Sr-90, and tritium.

Serne, R. J., B. N. Bjornstad, D. G. Horton, D. C. Lanigan, C. W. Lindenmeier, M. J. Lindberg, R. E. Clayton, V. L. LeGore, R. D. Orr, I. V. Kutnyakov, S. R. Baum, K. N. Geiszler, M. M. Valenta, and T. S. Vickerman. 2004b. ***Characterization of Vadose Zone Sediments Below the TX Tank Farm: Boreholes C3830, C3831, C3832, and RCRA Borehole 299-W10-27.*** **PNNL-14849, Pacific Northwest National Laboratory, Richland, Washington**. This report gives the results of laboratory analyses of samples from three boreholes that penetrate sediments contaminated by the two leaks in the TX tank farm. The types of analyses include particle size distribution, moisture content, x-ray diffraction of bulk samples and clay separates, and particle density. Also included are analytical results of 1:1 sediment to water extracts. The analyses of the extracts include pH, electrical conductivity, anions, major and trace metals, alkalinity, inorganic carbon, organic carbon, gamma energy, Sr-90, and tritium.

Shannon & Wilson. 1970. ***Report on Sampling of Soils and Laboratory Testing FFTF Site, Richland, Washington.*** **Shannon & Wilson, Seattle, Washington**. The report gives results of testing for particle size distribution (including some hydrometer) (ASTM D-422), specific gravity (ASTM D-854), density

(ASTM D-2049), moisture content (ASTM D-2216), and some geoengineering tests (Atterberg limits, compaction, compression) for several samples from 11 test pits in the FFTF area. See George V. Last for data.

Shannon & Wilson. 1972. ***Supplementary Soils Investigation, Washington Public Power Supply System, Hanford No. 2 Nuclear Power Plant, Central Plant Facilities, Benton County, Washington.*** **Shannon & Wilson, Inc., Seattle, Washington**. The report gives particle size distribution, densities, summary geologist's logs, field moisture content, and some geoengineering data (compaction tests and elastic and shear modulus) results for several samples from 19 borings, 4 cone penetrometer probings, and one trench in the area of WPPSS No. 2 plant. See George V. Last for data.

Singleton, K. M. and K. A. Lindsey. 1994. ***Groundwater Impact Assessment Report for the 216-U-14 Ditch.*** **WHC-EP-0698, Westinghouse Hanford Company, Richland, Washington**. The report contains the results of laboratory testing for calcium carbonate content and particle size on sediment samples from three new groundwater wells and two new perched water wells at 216-U-14 ditch. The report also contains results of chemical analyses for 40 CFR 264 Appendix IX constituents in samples from the five wells and three test pits and radiological analyses of samples from the wells. Samples were collected and handled according to Westinghouse procedures in WHC-CM-7-7. Physical property analyses were done according to procedures in WHC-EP-0367.

Slate, J. L. 2000. ***Nature and Variability of the Plio-Pleistocene Unit in the 200 West Area of the Hanford Site.*** **BHI-01203, Bechtel Hanford Inc., Richland, Washington**. This report presents detailed descriptions of Plio-Pleistocene sediments from 14 cores in and near the 200 West Area. Analytical data include bulk density, calcium carbonate content, percent gravel-sand-silt-clay and carbon and oxygen isotopic composition. (Isotopic composition from four samples.) The report also include thin-section descriptions and photomicrographs.

Smith, R. M. 1980. ***216-B-5 Reverse Well Characterization Study.*** **RHO-ST-37, Rockwell Hanford Operations, Richland, Washington**. The report contains analyses for Cs-137, Sr-90, Pu-239/240, and Am-241 from six wells drilled and sampled with a split tube sampler in 1979. Rockwell Hanford Operations and Eberline Instrument Corporation laboratories did the analyses.

Smith, R. M. and M. K. Additon. 1980. ***Granulometric Analysis of Sediments Containing Transuranic Radionuclides.*** **RHO-LD-123, Rockwell Hanford Operations, Richland, Washington**. The report gives particle size distribution of 5-ft interval samples from two contaminated boreholes at 216-Z-1A. The analyses were done by sonic sifter. The various size fractions of nine samples were analyzed for Pu and Am.

Smoot, J. L, J. E. Szecsody, B. Sagar, G. W. Gee, and C. T. Kincaid. 1989. ***Simulations of Infiltration of Meteoric Water and Contaminant Plume Movement in the Vadose Zone at Single-Shell Tank 241-T-106 at the Hanford Site.*** **WHC-EP-0332, Westinghouse Hanford Company, Richland, Washington**. The report includes graphical representation of particle size distribution for samples obtained in the 241-AP tank farm pit. Analyses were done by method ASTM D-422. Percent gravel, sand, silt, and clay are given for each sample.

Summers, W. K. and R. T. Hanson. 1977. ***Core Sample Descriptions and Summary Logs of Six Wells Within the Hanford Reservation.*** **ARH-C-00015, Atlantic Richfield Hanford Company, Richland, Washington**. The report contains geologist's descriptions of cored sections from wells 299-W11-26, 299-W19-10, 699-61-55, 699-49-100A, 699-43-42, and 699-54-17C.

Sump, C. A. 2002a. ***Well Summary Report: 100-HR-3 Pump-and-Treat Remediation System Fiscal Year 2002 Extraction Well C3829.*** **BHI-01637, Bechtel Hanford, Inc., Richland, Washington**. This report documents the installation of extraction well 199-D8-72. Some particle size distribution analyses and the geologist's log are included.

Sump, C. A. 2002b. ***Well Summary Report: 100-KR-4 Pump-and-Treat Remediation System Fiscal Year 2002 CERCLA Upgrade Wells.*** **BHI-01626, Rev. 0, Bechtel Hanford, Inc., Richland, Washington**. This report documents the installation of extraction well 199-K-127 and injection well 199-K-128. Some particle size distribution analyses and the geologist's logs are included.

Subrahmanyam, V. B. 1986. Internal letter report, Rockwell Hanford Operations, Richland, Washington. The letter report gives laboratory radionuclide analyses from samples collected from three boreholes at the 216-B-2-3 ditch in the 218-E12B burial ground. See Duane G. Horton for data.

Swanson, L. C. 1992. ***Borehole Completion Data Package for Grout Treatment Facility Well 299-E25-39.*** **WHC-SD-EN-DP-048, Westinghouse Hanford Company, Richland, Washington**. The report gives moisture content and calcium carbonate content for 5-ft interval samples from one new RCRA boreholes.

Swanson, L. C. 1993. ***CY 1992 Borehole Completion Data Package, Grout Treatment Facility Wells 299-E25-44 and 299-E25-45.*** **WHC-SD-EN-DP-058, Westinghouse Hanford Company, Richland, Washington**. The report gives moisture content and calcium carbonate content for 5-ft interval samples from two new RCRA boreholes.

Swanson, L. C. 1994. ***1993 Borehole Completion Data Package, Grout Treatment Facility Wells 299-E25-49, 299-E25-50, and 299-E25-1000.*** **WHC-SD-EN-DP-085, Rev. 0, Westinghouse Hanford Company, Richland, Washington**. Report contains calcium carbonate content and moisture content from samples at 5-ft intervals in three new wells. (Moisture was measured only in intervals where no water was added.) All analyses were done by Westinghouse Hanford Company laboratories. Geologist logs are included.

Swanson, L. C, D. C. Weekes, S. P. Luttrell, R. M. Mitchell, D. S. Landeen, A. R. Johnson, and R. C. Roos. 1988. ***Grout Treatment Facility Environmental Baseline and Site Characterization Report.*** **WHC-EP-0150, Westinghouse Hanford Company, Richland, Washington**. The report gives laboratory results of analyses on 47 samples from 17 boreholes and four groundwater wells. Laboratory analyses include wet chemistry, selected metals, pH, alkalinity, cation exchange capacity, selected anions, and radionuclides done by U.S. Testing laboratory according to standard laboratory operating procedures. Moisture content was determined according to procedures in RHO-RE-MA-20.

Sweeney, M. D. 1993a. ***Borehole Completion Data Package for the 200 Areas Treated Effluent Basin - Project W-049H.*** **WHC-SD-EN-SP-068, Westinghouse Hanford Company, Richland, Washington**. Report contains calcium carbonate content (GEL-19) and moisture content (GEL-14) from samples at 5-ft intervals in three new wells. In addition, moisture content (GEL-14), specific gravity (GEL-10), porosity, and bulk density (GEL-16) were determined for 12 specific intervals. All analyses were done by Westinghouse Hanford Company's Geotechnical Laboratory. Geologist logs are included.

Sweeney, M. D. 1993b. ***Site Characterization Report for the Liquid Effluent Retention Facility.*** **WHC-SD-EN-EV-024, Westinghouse Hanford Company, Richland, Washington**. The report contains qualitative x-ray diffraction analyses of 20 Hanford and Ringold formation samples and 14 XRF analyses of Ringold Formation samples from boreholes. The analyses were done by Washington State University.

Sweeney, M. D. 1994. ***Soil Properties Data for the Liquid Effluent Retention Facility.*** **WHC-SD-EN-DP-084, Westinghouse Hanford Company, Richland, Washington**. The document summarizes the calcium carbonate, sieve, and hydrometer data for four RCRA wells at the LERF. The information supplements WHC 1990. *Borehole Completion Data Package for the Liquid Effluent Retention Facility,* WHC-MR-0235, Westinghouse Hanford Company, Richland, Washington.

Sweeney, M. D., D. J. Alexander, S. D. Evelo, K. A. Lindsey, V. M. Johnson, and K. M. Singleton. 1995. ***Groundwater Impact Assessment Report for the 216-T-1 Ditch.*** **WHC-EP-0814, Westinghouse Hanford Company, Richland, Washington**. The report contains average results of analysis for metals in sediment from three test pits and one metal analyses of sediment in one groundwater well (split spoons).

Tallman, A. M., K. R. Fecht, M. C. Marratt, and G. V. Last. 1979. ***Geology of the Separation Areas, Hanford Site, South-Central Washington.*** **RHO-ST-23, Rockwell Hanford Operations, Richland, Washington**. This report presents the results of 50 qualitative x-ray diffraction analyses of various size fractions, 44 microprobe analyses, and percent basalt by size fraction from samples throughout 200 East and 200 West. All sedimentary formations are represented. Dr. Lloyd Ames of Pacific Northwest Laboratory did the x-ray and microprobe analyses.

Teel S. S. 1990. ***Grout Treatment Facility Borehole Completion Report for 1989.*** **WHC-MR-0203, Westinghouse Hanford Company, Richland, Washington**.

Todd, M. E. and C. A. Kahler-Royer. 2002. ***Borehole Summary Report for the Borehole C3102 in the 216-T-26 Crib, 200-TW-1 Scavenged Waste Group Operable Unit.*** **BHI-01606, Rev. 0, Bechtel Hanford, Inc., Richland, Washington**. This report documents the drilling and decommissioning of borehole C3102. The geologist's log and geophysical logs and some bulk density data are included.

Todd, M. E. and C. Trice. 2002. ***Borehole Summary Report for Boreholes C3103 and C3104 and Drive Casings C3340, C3341, C3342, C3343, and C3344 in the 216-B-38 Trench and 216-B7A Crib, 200-TW-2 Tank Waste Group Operable Unit.*** **BHI-01607, Bechtel Hanford, Inc., Richland, Washington**. This report summarizes the drilling and decommissioning of six boreholes at the 216-B-38 trench (C3104, C3340, C3341, C3342, C3343, and C3344) and one borehole (C3103) at the 216-B-7A

crib. Geophysical logs and some bulk density data are given. Geologist's logs for C3103 and C3104 and as-built diagrams for the other boreholes are in the Hanford Well Information System database.

Trice, L. C., D. C. Weekes, and L. C. Swanson. 2001. ***ISRM Barrier Well Completion Report for the 100-HR-3 Groundwater Operable Unit, Fiscal Year 2001.*** **BHI-01560, Rev. 0, Bechtel Hanford, Inc., Washington**. This report documents the installation of 32 groundwater monitoring wells. The geologist's logs are in the Hanford Well Information System database.

Valenta, M. M., J. R. Moreno, M. B. Martin, R. E. Ferri, D. G. Horton, and S. P. Reidel. 2000. ***Particle Size Distribution Data From Existing Boreholes at the Immobilized Low-Activity Waste Site.*** **PNNL-13328, Pacific Northwest National Laboratory, Richland, Washington**. The report contains results of 79 particle size analyses from four boreholes in south-central 200 East Area. Analyses were done in the laboratories in the 3720 Building using PNNL Technical Procedure SA-2 (PNL-MA-567).

Van Alstine, D. R. 1982. ***Paleomagnetic Investigation of Pre-Missoula Gravels, Pasco Basin and Vicinity, Washington.*** **Sierra Geophysics report prepared for Golder Associates, Redmond, Washington**. Presents results of 42 paleomagnetic analyses performed on Pre-Missoula Gravels (i.e., Cold Creek Unit) from Skagit/Hanford corehole E-20 (699-17-26H) on the Hanford Site.

Vermeul, V. R., S. S. Teel, J. E. Amonette, C. R. Cole, J. S. Fruchter, Y. A. Gorby, F. A. Spane, J. E. Szecsody, M. D. Williams, and S. B. Yabusaki. 1995. ***Geologic, Geochemical, Microbiologic, and Hydrologic Characterization at the In Situ Redox Manipulation Test Site.*** **PNL-10633, Pacific Northwest Laboratory, Richland, Washington**.

Walker, L. D. 2001. ***Borehole Summary Report for the 2001 ILAW Site Characterization Well.*** **BHI-01531, Bechtel Hanford, Inc., Richland, Washington**. This report documents the installation of groundwater monitoring well 299-E17-21. The geologist's log is included.

Walker, L. D. 2002. ***Well Summary Report: 2002 Immobilized Low-Activity Waste Well Installation.*** **BHI-01647, Bechtel Hanford, Inc., Richland, Washington**. This report documents the installation of groundwater monitoring well 299-E24-21. The geologist's log is included.

WCC. 1978. Paleomagnetic Measurements of the Ringold Formation and Loess Units near Hanford, Washington and Evaluation of Dating Potential of Quaternary Deposits near Hanford, Washington. Richland, WA, subcontract report prepared for Washington Public Power Supply System, Woodward-Clyde Consultants, Walnut Creek, California. Expanded, prepublication version of Packer (1979).

WCC. 1982. Paleomagnetic Analysis of Drilling Induced Magnetization and Ringold Formation Core from DH-20, DH-23, and DH-24. Richland, WA, subcontract report prepared for Rockwell Hanford Operations by Woodward-Clyde Consultants, Walnut Creek, California. Results of paleomagnetic study to evaluate possibility and extent of drilling induced remagnetization on sediment samples. A total of 13 paleomagnetic sample pairs were analyzed from corehole 699-29-83 (DH-20), seven from 699-46-85 (DH-23), and 14 from 699-43-44 (DH-24).

Webster, C. T. 1977. ***Ringold Identification Correlation, and Sampling Program: Well History DH-11 -12 -13 -13A -14 -15 -16 -17 (Continuation of ARH-C-14).*** **RHO-LD-34, Rockwell Hanford Operations, Richland, Washington**. This report gives drill logs and core records (brief lithologic descriptions for eight wells.

Weekes, D. C., S. P. Luttrell, and M. R. Fuchs. 1987. ***Interim Hydrogeologic Characterization Report and Groundwater Monitoring System for the Nonradioactive Dangerous Waste Landfill, Hanford Site, Washington.*** **WHC-EP-0021, Westinghouse Hanford Company, Richland, Washington**. The report soil moisture content for samples from ten wells. Analyses were done by Shannon and Wilson Inc. using procedure ASTM D-2216. Lithologic logs are included.

Weekes, D. C. and L. R. Glaman. 1995. ***FY95 Site Characterization Status Report and Data Package for the Carbon Tetrachloride Site.*** **BHI-00399, Bechtel Hanford Inc., Richland, Washington**. The report contains some particle size distribution data from four boreholes, particle density and porosity from three boreholes and VOA, moisture content and calcium carbonate content from one borehole.

Weekes, D. C., G. K. Jaeger, and B. H. Ford. 1995. ***Preoperational Baseline and Site Characterization Report for the Environmental Restoration Disposal Facility.*** **BHI-00270, Bechtel Hanford, Inc., Richland, Washington**. The report gives the results of moisture content (ASTM D-2216-90), calcium carbonate content (ASTM D-4373-84), particle size distribution (ASTM D-422-63), porosity (ASTM D-698-78 and ASTM D-1557-78), specific gravity (ASTM D-854-83, ASTM C-117-87, ASTM C-127-84, and ASTM C-128-84), and bulk density (ASTM D-698-78 and ASTM D-1557-78) from samples obtained from several wells at the ERDF sight. Geologist's logs are also given. Analyses were done by the Westinghouse Hanford Company's Geotechnical Laboratory.

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