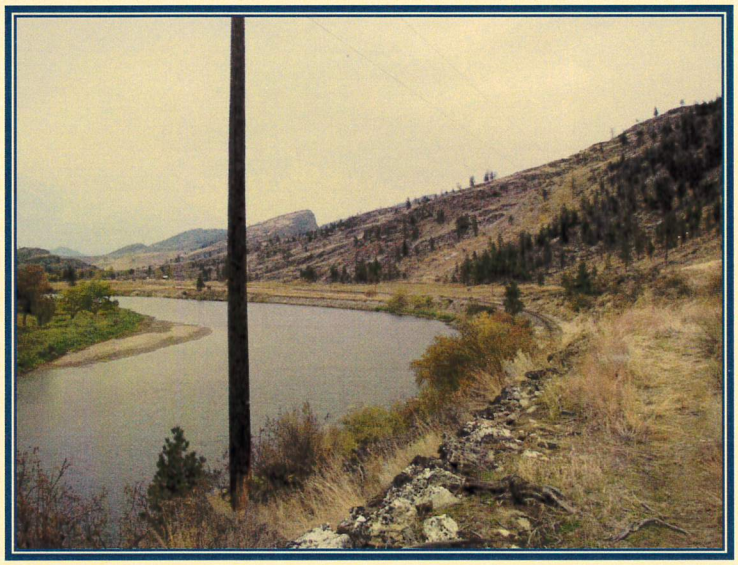
Phase I Environmental Site Assessment
For:
Wilson Property
(Okanogan County Parcel Numbers 3627161002, 3627161004, 3627161005, 3627161006, 3627162003 & 3627162004)
Okanogan County, Washington



November 2011

Prepared for:

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Prepared by:

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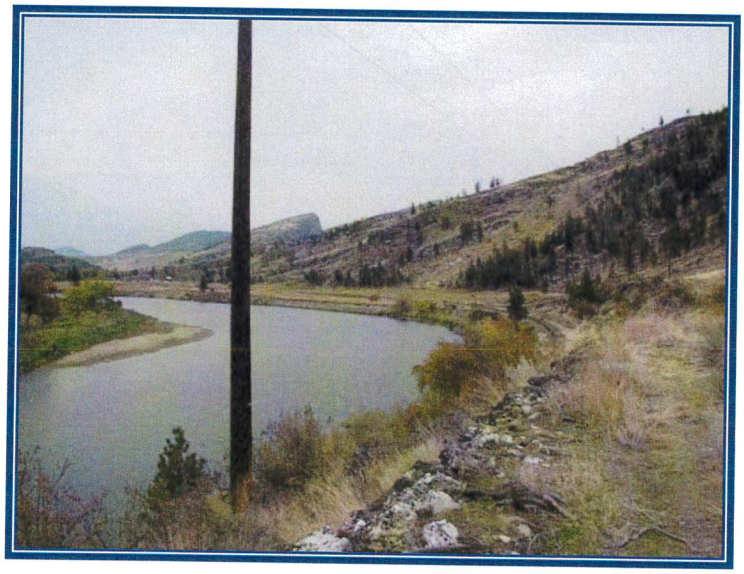

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EXECUTIVE SUMMARY

A Phase I Environmental Site Assessment (ESA) was conducted by Columbia Environmental Sciences, Inc. (CESI) for the property referred to as the Wilson Property (the "Property") for the purposes of this report. The Property entails six parcels located in Section 16, Township 36 North, Range 27 East, Willamette Meridian (WM), in Okanogan County, Washington.

The ESA was performed to identify recognized environmental conditions, as defined by ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property (Designation E 2247-08), associated with the Property. We found evidence of recognized environmental conditions, as defined by ASTM E 2247-08, associated with the subject property.

The recognized environmental conditions are:

- Several containers were observed on the Property; namely in the vicinity of the pesticide shed (north of the orchard), in the bone yard area, and in the shop area (northeast of the Wilson residence). The containers ranged in size from about a quart to 55-gallon drums. Some of the containers have labels indicating petroleum-based products, insecticides or herbicides. Some of the containers appeared to be empty; several did not. At least two drums were observed that had unknown contents and no label. None of the containers were secondarily contained. Several of the containers were either directly on the ground surface or stored rather haphazardly and some of the drums were partially buried.
- Several above ground storage tanks (AST's) were observed on the Property; namely in the vicinity of the pesticide shed, in the bone yard area, and in the shop area. None of the tanks were labeled or secondarily contained. Most of the tanks observed were in the bone yard area. A few of the tanks appeared to have liquid contents, most likely petroleum products.
- Some soil staining that appeared to be oil-based was observed in the vicinity of the pesticide shed and the small shop building near the bone yard. The staining appeared to be surficial in nature and not extensive.
- There is a bone yard on Parcel No. 3627161004 of the Property. Multiple vehicles, drums, tanks, tires, batteries and other discarded items were observed in this area. Evidence of burning and burying of discarded materials was also observed in this area. Some of the items appear to have been partially buried by gravel from a recent flash flood (2010) while several other areas appear to be sites of intentional burying. Neither the content nor extent of the buried materials could be determined from visual observation.

De minimis conditions observed on the subject property include:

- A strong rodent odor, mouse droppings and nesting materials were observed in the pesticide shed on the Property. There is the potential for exposure to Hantavirus for anyone cleaning up the small, enclosed space. Hantavirus is the cause of Hantavirus Pulmonary Syndrome (HPS), a potentially life-threatening disease in humans.

We recommend removal and proper disposal of all tanks, containers, tires, batteries, vehicles and other equipment, that are not regularly used on the premises, that could potentially pose an environmental risk to the Property from the bone yard and adjacent shop area. We recommend proper labeling and storage of all containers containing petroleum based products or hazardous substances that are regularly used on the premises. All batteries, tanks, drums, buckets and smaller containers that contain petroleum products or hazardous substances should be either secondarily contained or stored in a manner that prevents the likelihood of contact with the ground surface should a spill or leak occur.

We recommend excavation of all potential burial sites in the bone yard area to assess, remove and properly dispose of the materials contained therein. We further recommend soil sampling of any and all excavations that present evidence of potential contamination from petroleum products or other hazardous substances to determine the extent of any contamination discovered.

We recommend use of a properly fitted air-purifying respirator (APR) with N-100 cartridges for anyone undertaking cleanup of the small pesticide shed to prevent inhalation of dust potentially carrying the hantavirus.

We have no further recommendations for the subject property.

1.0 Introduction

This document is a report of a Phase I Environmental Site Assessment (ESA) conducted by Columbia Environmental Sciences, Inc. (CESI) per American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments Process for Forestland or Rural Property (Designation E 2247-08). CESI prepared this report for the user, Washington Department of Fish and Wildlife (WDFW) and it's representatives. Ms. Deborah Phipps, an environmental professional, was the CESI Project Manager, site assessor, and preparer of this report. Mr. Robert Erikson, an environmental professional, was the reviewer of this report. A summary of qualifications and resumes for CESI staff contributing to this ESA are included in Appendix A - Qualifications of this report.

1.1 Purpose

Per paragraph 7.1 of ASTM E 2247-08, the objective of the Phase I ESA is to identify, to the extent feasible, recognized environmental conditions associated with the Property. The assessment is an evaluation of the likelihood that contamination from hazardous substances or petroleum products exists on the Property either from past or present use of the Property or nearby properties.

Paragraph 3.2.80 of ASTM 2247-08 defines a recognized environmental condition as "*the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property.*"

This Phase I ESA was performed to meet or exceed the minimum level of all appropriate inquiry into the previous ownership and uses of the subject property consistent with good commercial or customary practice as defined in Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. 9601)(35)(B), that will qualify the user, Washington Department of Fish and Wildlife (WDFW) for one of threshold criteria for satisfying the LLPs to CERCLA liability, assuming compliance with other elements of the defense.

1.2 Scope of Services

CESI conducted a Phase I ESA for the Property, the Wilson Property, located in Okanogan County, Washington.

CESI's assessment addressed the following components per ASTM E 2247-08:

- Current Site Description (Section 2);
- User Provided Information (Section 3);
- Records Review (Section 4);
- Site Reconnaissance (Section 5);
- Interviews (Section 6);
- Development of Findings, Opinions and Conclusions (Section 7); and
- Report Preparation.

CESI's investigation did not include non-scope considerations (considerations outside the scope of ASTM E 2247-08, e.g., asbestos-containing materials, lead based paint, soil sampling, wetlands, ecological resources, regulatory compliance and others).

1.3 Significant Assumptions

CESI relied on standard environmental record sources and physical setting sources as defined by Section 8.2 (ASTM E 2247-08) and standard historical sources, including interviews with persons knowledgeable of the Property, as defined by Section 8.3 (ASTM E 2247-08), to help identify recognized environmental conditions in connection with the Property. Although CESI relied on the information obtained from these sources, we do not guarantee the accuracy or truthfulness of that information.

1.4 Limitations and Exceptions

Phase I ESA's do not involve sampling of soil, air, vegetation, groundwater, surface water, or other media. As a result, no statement of scientific certainty can be made regarding the actual presence of contamination on the Property or adjoining properties based solely on Phase I activities. The findings presented in this ESA report are likelihood's based on professional judgment concerning the significance of the information gathered during the study.

There were no limitations to the ASTM E 2247-08 standard for this assessment.

1.5 Terms and Conditions

The assessment was conducted according to the ASTM Standard E 2247-08 ("Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process") and CESI's standard operating procedures.

This work was performed for the sole use of WDFW and their representatives. No other party should rely on the information contained herein without the prior written consent of CESI.

1.6 User Reliance

The nature of the definition of recognized environmental conditions in the ASTM Standard might result in reasonable minds differing as to whether an observed condition at a site is a recognized environmental condition. There may be conditions noted in this report that could be considered recognized environmental conditions by other environmental professionals. Users of this report are encouraged to review the report in its entirety and specifically to consider the existence of all site conditions described herein and not merely those classified as recognized environmental conditions in CESI's opinion.

This report is not a legal opinion as to the user's duty concerning due diligence relating to potential liabilities in leasing, owning, developing, or purchasing commercial real estate. CESI does not warrant or represent that the site or adjoining properties contain no hazardous waste, petroleum products, or other environmental conditions of concern beyond those noted in this assessment.

2.0 Site Description

2.1 Location and Legal Description

The Property is located east of Hwy 97 and about five miles south-southwest of Tonasket, Okanogan County, Washington (refer to Figure 1). There are two street addresses associated with the Property, 198 and 201 Janis Rd. South. The Property lies in Section 16, Township 36 North, Range 27 East, WM (refer to Figure 2). The approximate latitude and longitude of the Property in general, near the center of the site is 48° 37′ 00.0″ North and is 119° 28′ 00.0″ West.

The Property entails Okanogan County Parcel Nos. 3627161002, 3627161004, 3627151005, 3627151006, 3627162003 and 3627162004 (refer to Figure 3). K5 Investments is listed as the current owner of the parcel (refer to Appendix B). The total land size is approximately 40 acres.

The legal description for the Property as presented the Exhibit A of Amendment No. 1, dated October 14, 2011, to the title report prepared for the State of Washington, Department of Fish and Wildlife (Escrow Number: 0030671-751-T33) is as follows:

> GOVERNMENT LOTS 1, 2, 3, 4 AND 5, AND THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 16, TOWNSHIP 36 NORTH, RANGE 27 EAST, W.M.
>
> EXCEPTING THAT PORTION CONVEYED TO THE GREAT NORTHERN RAILWAY COMPANY BY DEED DATED SEPTEMBER 9, 1909 AND RECORDED IN VOLUME "X" OF DEEDS, PAGE 403.
>
> SITUATE IN THE COUNTY OF OKANOGAN, STATE OF WASHINGTON.

2.2 Site and Vicinity General Characteristics

Figure 4 is a recent aerial photo downloaded from USGS © 2011 Google showing the Property and surrounding area. The Property is in a rural area five miles south-southwest of Tonasket, Washington and adjacent to the east of the Okanogan River. Access to the Property is by a gravel road, Keystone Rd, which enters the north part of the Property and runs generally north to south and parallel to the river. The road is gravel to the small residence in the north part of the Property after which point it is a dirt trail to the south end of the Property. The Property has variable topography and habitat present, ranging from low-lying riverfront areas along the west side to very steep rock formations in the east part of the site.

The Property is situated in a rural, undeveloped area and is surrounded by undeveloped properties similar in habitat and other physical features to the Property.

3.0 Provided Property Information

3.1 User and Prospective Buyer Information

Mr. Shawn Kyes, Chief Appraiser, Real Estate Services, WDFW, provided location and contact information for the Property and contact information to address "User's Responsibilities" as described in Section 6 of ASTM E 2247-08. The user's representative, Ms. Terrie Preston, was provided a "User Questionnaire" to address "User's Responsibilities" as described in Section 6 of ASTM E 2247-08 that she completed and returned by email on October 25, 2011 (see Appendix C). The purpose of the questionnaire is to qualify the prospective buyer for one of the Landowner Liability Protections (LLPs) offered by the Brownfields Amendments and to meet the "all appropriate inquiry" criteria as specified in the standard.

3.2 Current Owner, Property Manager, and Occupant Information

The previous owner and current occupant and property manager for the Property, Henry Wilson, was interviewed by CESI staff by phone on October 27, 2011 to obtain information about the past and current uses and conditions of the Property. Specific questions asked of Mr. Wilson and his responses were recorded on an "Owner Questionnaire" that is included as Appendix C to this report. Mr. Wilson owned the Property from around 1970 until October of this year. He still manages the Property and resides in the house on the Property. Mr. Wilson indicated that he is not aware of any obvious indicators that point to the presence or likely presence of recognized environmental conditions at the subject property currently or historically, however he did confirm that he has burned and buried materials on the Property, mostly household waste according to Mr. Wilson.

4.0 Records Review

CESI reviewed reasonably ascertainable, standard sources to help identify recognized environmental conditions in connection with the Property. Standard sources reviewed included standard environmental record sources, USGS topographic maps, soil survey maps, available aerial photographs, zoning records, and an interview with the current occupant and previous owner of the Property.

4.1 Standard Environmental Record Sources

Environmental Data Resources, Inc. (EDR) was contacted to perform a database search of regulatory agency published lists. They screened the agency-maintained databases for documentation of potential concerns within the distances of the Property as specified by the ASTM standard. For a description of each list searched and more detailed information, please refer to the EDR report located in Appendix D.

EDR also reviewed the U.S. Engineering Controls and Institutional Controls Sites List and the state Institutional Controls Sites List and confirmed that there are no AULs on the Property.

Neither the Property nor any of the surrounding properties were identified in any of the federal, state, tribal or local databases searched as required by ASTM E 2247-08.

4.2 Physical Setting Sources

CESI reviewed a 1980 USGS topographic map of the Property and surrounding area to discern physical features such as general topography and elevation of the site (Figure 2). The topography of the Property varies with relatively flat, low-lying areas in the west part of the Property along the Okanogan River and very steep, rocky areas in the east part of the Property. The elevation ranges from about 860 feet above mean sea level (amsl) along the river to about 1600 amsl in the southeast part of the Property. Three structures are indicated on the Property, all in the northwestern part of the site where there are currently structures on the Property, north of the orchard and south of the bone yard area.

Soils information for the Property was obtained from the USDA NRCS National Cooperative Soil Survey website. Soil mapping for the Property and vicinity are presented in Figure 5 with more detailed soil descriptions in Appendix E – USDA NRCS Soil Survey Report. A total of 12 soil units are identified for the Property. The steep, rocky upland areas are predominantly Lithic Haploxerepts-Cashmont complex with 15 to 45% slopes, with Cashmere fine sandy loam, 3 to 8% slopes, Lithic Haploxerepts-Donavan-Rock outcrop complex, 1 to 45% slopes, and Pogue gravelly fine sand loam, 8 to 25% slopes mapped along the east fringes of the Property. The low-lying areas are mapped as a mixture of Aeneas fine sandy loam, 0 to 3% slopes, Cashmere fine sandy loam with 0 to 3% slopes, 3 to 8% slopes or 8 to 15% slopes, Colville silt loam, moderately wet with 0 to 3% slopes, Ewall loamy fine sand, 0 to 15% slopes, and Tonasket silt loam, 0 to 3% slopes, and riverwash.

4.3 Historical Use Information on the Property

CESI reviewed historical aerial photographs of the Property and interviewed the current occupant and previous owner to document the historical use of the Property.

Mr. Henry Wilson was interviewed by phone on October 27, 2011. Specific questions regarding the Property and the surrounding area asked of Mr. Wilson and his responses are provided in the "Owner Questionnaire", included in Appendix C of this report. He stated that has over 40 years of experience with the Property. To his knowledge development on the Property has been limited to the small houses, outbuildings, and barns previously described in Section 2.4.

Historical aerial photographs of the Property were reviewed for the years 1964, 1977 and 1991 (Figures 6a and 6c). Small structures are apparent in all three of the historical photographs in the north part of the Property, generally in the same areas where structures (houses and outbuildings) are currently present on the Property. The barn that is currently located along the east property line of the site is not evident until the 1991 photograph. The low-land portions of the Property appears to in agricultural use in all of the photographs and the eastern, rockier parts of the site appear to have been maintained in their natural state throughout the years.

No other records indicating any developed use of the Property were discovered during this ESA.

4.4 Historical Use Information on Adjoining Properties

CESI reviewed historical and current aerial photographs and topographic maps to determine historical use of the adjoining properties.

The adjoining properties in all directions appear to be very similar in terrain and habitat as the Property. No developed use is indicated on any of the adjoining properties in any of the reviewed maps or aerial photographs.

4.5 Environmental Lien Information

The user's representative, Ms. Terrie Preston, WDFW, and the current occupant and previous owner, Mr. Henry Wilson, were questioned regarding environmental liens against the Property. Both stated that they are not aware of any environmental cleanup liens against the Property.

4.6 Zoning Information

The property is zoned as Minimum Requirement District according to the Okanogan County Office of Planning and Development.

5.0 Site Reconnaissance

The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying ASTM-recognized environmental conditions in connection with the Property. Deborah Phipps of CESI conducted the site reconnaissance of the Property on October 21, 2011.

5.1 Methodology and Limiting Conditions

Emphasis for the Property was on visual evidence indicative of unauthorized dumping or other environmentally hazardous activities, primarily in areas of the site that are most likely to have had unauthorized access in the past. The Property was observed by driving along roads and trails on the Property, walking portions of the perimeter and walking through and inspecting more closely any areas that had any indications of potential environmental concern. Photographs were taken during the site reconnaissance and are provided in Appendix F. The site was observed for physical indications of current and/or past recognized environmental conditions. The adjacent properties were visually inspected from the perimeter of the Property for recognized environmental conditions that could adversely affect the Wilson Property.

5.2 General Site Setting

The Property is located in a rural area about five miles south-southwest of Tonasket, Washington in Okanogan County (refer to Figure 1). The surrounding areas for the most part appear to be predominantly open rangeland.

The site itself consists of mixed terrain. The west part of the Property is relatively flat low-lying areas extending from the east side of the Okanogan River to near the center of the site where the terrain becomes quite steep and rocky.

5.3 Current Use(s) of the Property

The low-lying portions of the Property appear to be in use predominantly as pasture or orchards. There are several structures on the Property that are in use for residences or functions related to operation of the farm. A portion of the site located in the north central part of the Property is being used as a bone yard and for waste disposal to some extent. A significant amount of junked vehicles, tires, old tanks, drums, and other miscellaneous equipment was observed, both on the surface and some partially buried. The Property may also be in use for recreational use such as fishing, hunting or horseback riding but none of those activities were observed on the site during the site reconnaissance.

5.4 Past Uses of the Property

Past use of the Property appears to be the same as the current use, likely for grazing and light recreational use.

5.5 Current Uses of Adjoining and Surrounding Properties

The adjoining and surrounding properties are likely used for grazing and/or recreational use such as fishing, hunting or horseback riding but none of those activities were observed on the site during the site reconnaissance.

5.6 Past Uses of Adjoining and Surrounding Properties

To the extent determinable during the site reconnaissance, past use of the adjoining and surrounding properties appears to be consistent with the current use described above.

5.7 Site Improvements

Several building structures were observed on the north part of the Property, in the vicinity of the orchard and bone yard. There is a small metal-sided building north of the orchard that is currently being used as a residence. This building appears to have electricity but may lack indoor plumbing as an outdoor shower and outhouse were observed near the building. There is a smaller metal-sided storage building in this same area with signage indicating that it is currently or has in the past been used for pesticide storage. Both buildings appear to be of wooden frame construction. There is a small residence in the north part of the Property, south of the bone yard area. It is also of wooden frame construction, has an upper level, and metal roof. There is reportedly a septic tank for this house. There is a domestic well on the Property, near the orchard house, that provides water to both residences and for irrigation. There is also electricity to both houses and the other structures on the Property. There is a small wooden shop building to the northeast of the house near the bone yard. There are two barns on the Property, one along the road at the north end of the pasture in the central part of the Property and the other along the east side property line in the north part of the Property, along the east side of the bone yard. Part of this barn appears to be on the adjoining property to the east but a survey may be needed to confirm this.

There is some fencing on the Property, around the orchard, pasture and portions of the perimeter of the Property. There is a privately maintained gravel road that enters the north part of the Property and continues to the two small residences on the site. This road continues to the south but is more of a dirt trail from the point it enters the pasture through the remainder of the site. There is also a dirt trail that runs along the west side of the orchard. A railroad line runs through the length of the Property, generally north to south.

5.8 Tanks

No vent or fill pipes indicating underground storage tanks (UST's) were observed on the Property.

An above ground storage tank (AST) was observed adjacent to the pesticide shed on the Property. This tank was not labeled with regards to contents and appeared to be empty during the site reconnaissance.

Several tanks of various shapes and sizes were observed in the bone yard area of the Property. Most appeared to be empty but some had unknown contents and were not labeled. Tanks observed included tanks from fuel trucks, rusty cylindrical tanks that may have been UST's at one time, poly tanks, smaller (40-gallon) side-mounted fuel tanks, and multiple large propane tanks.

An ~250-gallon AST with attached pumps and dispensing hoses was observed near the shop building located to the south of the bone yard. This tank appeared

to be a divided tank currently in use for private fuel storage and dispensing. The tank was staged on a wooden pallet but not secondarily contained.

5.9 Other Containers

Several containers of various sizes that potentially contain petroleum products or hazardous substances were observed on the Property.

Containers ranging in size from about a quart up to ~35-gallon drums were observed in and around the previously noted pesticide shed. Most had labels indicating petroleum based products, insecticides or herbicides such as motor oil, gear lubricant, etc. Most were on or near a makeshift workbench along the south end of the pesticide shed. Several larger (~35-gallon drums) labeled as "Superior Spray Oil N.W.", a petroleum based miticide-insecticide, were also observed in the workbench area. Another ~35-gallon drum was observed a few feet away that was about half full of an unidentified liquid; this drum was not labeled. Relatively small amounts of some other chemicals were observed inside of the pesticide shed including a 30 lb. bag of Kumulus DF, a sulfur based fungidice-acaracide, and a 1-gallon jug of glyphosate, a commonly used herbicide.

Several unlabeled drums were observed in the bone yard area, all unlabeled and some partially buried. Most of the drums appeared to be empty but not all and some appeared to have solid material contents as opposed to liquid.

Several containers ranging in size from about a quart up to 55-gallon drums were observed in and around the small shop area. Most were observed to be empty; some contained petroleum based products or others unidentified contents.

5.10 Other Exterior Observations

Pole-mounted transformers observed on the Property appeared to be in good condition with no indication of leakage such as soil staining or stressed vegetation in the vicinity.

Some soil staining was observed near the pesticide shed that appeared to be oil based. There is an orchard heater staged on a concrete pad directly in front of the pesticide shed that has oil staining on it and on the concrete pad beneath. There is also a 5-gallon bucket labeled as Universal Gear Lubricant on top of the stained soil area that has oil on the exterior of the bucket. Either or both of these sources could have contributed to the soil staining. The soil staining appears to be surficial in nature, likely contained in the upper few inches of the soil column. There was also soil staining around the shop area that appeared to be oil based. Again, the staining appeared to be surficial in nature.

There is evidence of past burning and burying of vehicle parts, drums, appliances, tires and other items in the bone yard area of the Property. Several vehicles and other equipment were observed partially buried by gravel in the southeast part of the bone yard area. This appears to have been unintentional and according to Mr. Wilson was from a flash flood through that area in 2010. There are several other sites in the bone yard area, especially in the western portion, which appear to be intentional burial sites.

Several tires, batteries, old equipment, apple boxes, appliances, a boat, scrap metal and other miscellaneous items were observed in the bone yard and shop areas.

5.11 Interior Observations

The interiors of the pesticide shed, small shop and barns were inspected. The interiors of the residential structures were not inspected.

The pesticide shed appears to have been used for storage of chemicals used for the orchard in the past. Currently, it was observed to have a few older containers and bags of chemicals including herbicides and fungicides as described in Section 5.9. This area also had indications of the potential presence of Deer mice, which can carry Hantavirus, the cause of Hantavirus Pulmonary Syndrome (HPS), a potentially life-threatening disease in humans.

There were several smaller containers of petroleum-based products, mainly oils, observed within the interior of the small shop as in Section 5.9. Otherwise, no other recognized environmental conditions were observed inside the shop or inside of the barns.

5.12 Surrounding Properties

No recognized environmental conditions were observed on any of the surrounding properties.

6.0 Interviews

CESI interviewed individuals familiar with the Property to obtain information regarding current and past uses of the Property and surrounding areas, specifically, to obtain any information that might indicate the presence or potential presence of recognized environmental conditions in connection with the Property.

6.1 Interview with the Users

Mr. Shawn Kyes, WDFW, provided general site information prior to commencement of the ESA. He provided maps of the Property and contact information for the current occupant and previous owner of the Property, Henry Wilson, and for the WDFW Lands Agent, Ms. Terrie Preston. Ms. Preston completed a "User Questionnaire" to specifically address the user's responsibilities as described in Section 6. of ASTM E 2247-08. Specific questions asked and Ms. Preston's replies are presented in Appendix C - Property Questionnaires. Ms. Preston indicated that she is not aware of any environmental liens or AUL's with regard to the Property and believes that the purchase price for the Property reasonably reflects fair market value.

6.2 Interview with Current Occupant/Previous Owner

Mr. Henry Wilson, current occupant of the Property, was interviewed by phone on October 27, 2011. Questions asked of Mr. Wilson and his responses are provided in the "Owner Questionnaire" that is included in Appendix C of this report. Okanogan County Assessor's records indicate the Mr. Wilson owned the Property for many years until October 2011. Mr. Wilson stated that he had owned the Property since 1970.

He indicated that he is not aware of any obvious indicators that point to the presence or likely presence of recognized environmental conditions on the Property currently or historically. He stated that approved chemicals had been used in the orchard through the years and that only organic chemicals had been used for the past several years. Mr. Wilson stated that he is not aware of any recognized environmental conditions in connection with the Property. Several of Mr. Wilson's responses were contradictory to what was observed during the site reconnaissance of the Property. For example, Mr. Wilson initially indicated that no tires, automotive batteries or other waste materials had been dumped above grade, buried and/or burned on the Property, which is not the case. In an attempt to clarify, Mr. Wilson was asked directly a few moments later what type of materials he burns and buries in the bone yard area to which he responded "just household waste, mostly tin cans and wood stuff." Mr. Wilson also confirmed that a flash flood had deposited the gravel observed in and around the partially buried vehicles and other equipment in the southeast part of the bone yard area, in the Fall of 2010.

7.0 Findings, Opinions, and Conclusion

This section presents the findings of the ESA investigation for the Property, with regard to known, suspect, and/or historical recognized environmental conditions and de minimis conditions; CESI's professional opinion of the impact on the Property from these findings and any resultant recommendations; and a conclusions section, summarizing all recognized environmental conditions connected with the Property.

7.1 Findings

The term recognized environmental condition is defined as *"the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property."*

The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

We found evidence of recognized environmental conditions as defined above on the Property.

- Several containers were observed on the Property; namely in the vicinity of the pesticide shed (north of the orchard), in the bone yard area, and in the shop area (northeast of the Wilson residence). The containers ranged in size from about a quart to approximately 55-gallon drums. Some of the containers have labels indicating petroleum-based products, insecticides or herbicides. Some of the containers appeared to be empty; several did not. At least two drums were observed that had unknown contents and no label. None of the containers were secondarily contained. Several of the containers were either directly on the ground surface or stored rather haphazardly and some of the drums were partially buried.
- Several above ground storage tanks (AST's) were observed on the Property; namely in the vicinity of the pesticide shed, in the bone yard area, and in the shop area. None of the tanks were labeled or secondarily contained. Most of the tanks observed were in the bone yard area. A few of the tanks appeared to have liquid contents, most likely petroleum products.
- Some soil staining that appeared to be oil-based was observed in the vicinity of the pesticide shed and the small shop building near the bone yard. The staining appeared to be surficial in nature and not extensive.
- There is a bone yard on Parcel No. 3627161004 of the Property. Multiple vehicles, drums, tanks, tires, batteries and other discarded items were observed in this area. Evidence of burning and burying of discarded materials was also observed in this area. Some of the items appear to have been partially buried by gravel from a recent flash flood (2010) while several other areas appear to be sites of intentional burying. Neither the content nor extent of the buried materials could be determined from visual observation.

De minimis conditions observed on the subject property include:

- A strong rodent odor, mouse droppings and nesting materials were observed in the pesticide shed on the Property. There is the potential for exposure to

Hantavirus for anyone cleaning up the small, enclosed space. Hantavirus is the cause of Hantavirus Pulmonary Syndrome (HPS), a potentially life-threatening disease in humans.

7.2 Opinion

The presence of the many containers, drums and tanks on the Property is a recognized environmental condition in our professional opinion. Though many appear to be empty there are several that are not. No secondary containment is being used for the tanks currently in use on the Property and most of the containers that were observed to contain oil or other substances are not stored in a manner that will prevent contact of the contents with the ground surface should a spill or leak occur.

The presence of the bone yard on the Property is a recognized environmental condition in our professional opinion. Multiple vehicles, drums, tanks, tires, batteries and other discarded materials were observed in this area that potentially have contaminated the soil or may do so in the future if not addressed. There is evidence of burning and burying of materials including large items such as appliances and vehicles that potentially have contaminated the area.

Though not a recognized environmental condition as defined by ASTM E 2247-08, the potential presence of Hantavirus in the pesticide shed poses a threat to human health in our professional opinion.

7.3 Recommendations

We recommend removal and proper disposal of all tanks, containers, tires, batteries, vehicles and other equipment, that are not regularly used on the premises, that could potentially pose an environmental risk to the Property from the bone yard and adjacent shop area. We recommend proper labeling and storage of all containers containing petroleum based products or hazardous substances that are regularly used on the premises. All batteries, tanks, drums, buckets and smaller containers that contain petroleum products or hazardous substances should be either secondarily contained or stored in a manner that prevents the likelihood of contact with the ground surface should a spill or leak occur.

We recommend excavation of all potential burial sites in the bone yard area to assess, remove and properly dispose of the materials contained therein. We further recommend soil sampling of any and all excavations that present evidence of potential contamination from petroleum products or other hazardous substances to determine the extent of any contamination discovered.

We recommend use of a properly fitted air-purifying respirator (APR) with N-100 cartridges for anyone undertaking cleanup of the small pesticide shed to prevent inhalation of dust potentially carrying the hantavirus.

7.4 Conclusions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 2247-08 of the Wilson Property, located in Section 16, Township 36 North, Range 27 East, WM, in Okanogan County, Washington, the

Property. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the Property except for the following:

- Several containers were observed on the Property; namely in the vicinity of the pesticide shed (north of the orchard), in the bone yard area, and in the shop area (northeast of the Wilson residence). The containers ranged in size from about a quart to approximately 55-gallon drums. Some of the containers have labels indicating petroleum-based products, insecticides or herbicides. Some of the containers appeared to be empty; several did not. At least two drums were observed that had unknown contents and no label. None of the containers were secondarily contained. Several of the containers were either directly on the ground surface or stored rather haphazardly and some of the drums were partially buried.
- Several above ground storage tanks (AST's) were observed on the Property; namely in the vicinity of the pesticide shed, in the bone yard area, and in the shop area. None of the tanks were labeled or secondarily contained. Most of the tanks observed were in the bone yard area. A few of the tanks appeared to have liquid contents, most likely petroleum products.
- Some soil staining that appeared to be oil-based was observed in the vicinity of the pesticide shed and the small shop building near the bone yard. The staining appeared to be surficial in nature and not extensive.
- There is a bone yard on Parcel No. 3627161004 of the Property. Multiple vehicles, drums, tanks, tires, batteries and other discarded items were observed in this area. Evidence of burning and burying of discarded materials was also observed in this area. Some of the items appear to have been partially buried by gravel from a recent flash flood (2010) while several other areas appear to be sites of intentional burying. Neither the content nor extent of the buried materials could be determined from visual observation.

This assessment has revealed no evidence of recognized environmental conditions in connection with the surrounding property.

7.5 Signatures of Environmental Professionals

CESI staff members contributing to the process and completion of this ESA declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professionals as defined in Section 312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Columbia Environmental Sciences, Inc.

Deborah Phipps, Environmental Professional

Deborah Phipps 14 Nov. 2011

Signature Date

Reviewed by:
Robert Erikson, Environmental Professional

Robert I Erikson 11/14/11

Signature Date

8.0 References

Google® Earth Aerial Photograph, accessed October 2011

NAVTEQ, http://maps.msn.com, accessed October 2011

Okanogan County Washington, http://okanoganwa.mapsifter.com/Mapsifter, accessed October 2011

Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property, ASTM Designation E 2247-08.

USDA NRCS Web Soil Survey, http://websoilsurvey.nrcs.usda.gov/app/, accessed October 2011

USGS Topographic Map, 1980

Figures

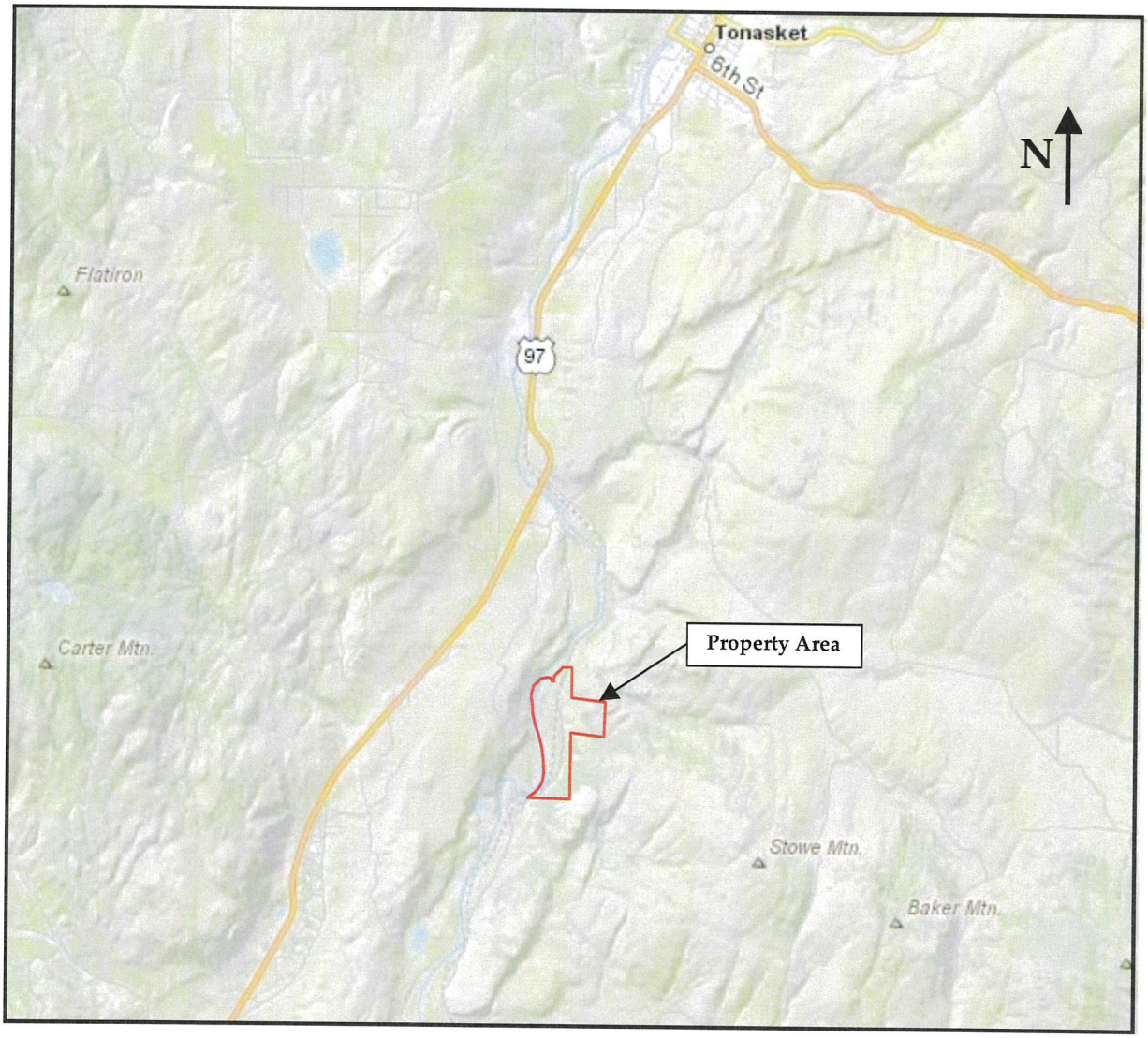


Figure 1 – Site Location Map (NAVTEQ, 2010). The Property is located east of Hwy 97, approximately five miles south-southwest of Tonasket, Washington.

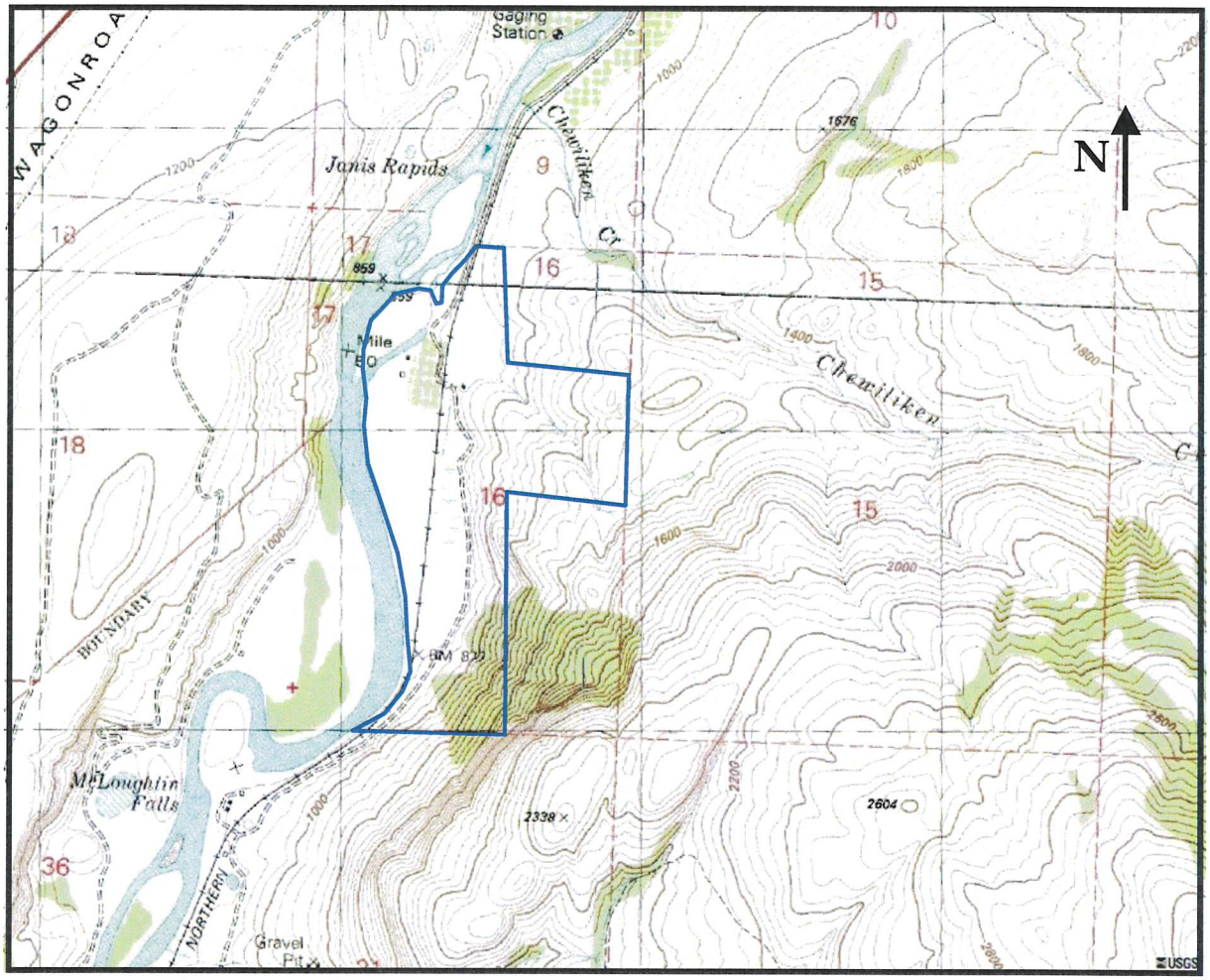


Figure 2 – USGS Topographic Map (USGS, 1980). The approximate boundary of the Property is outlined in blue. The Property lies in Section 16 of Township 36 Range 27 East. The site has varied terrain with the highest elevations (around 1600 feet above mean sea level) in the southeast part of the Property and the lowest elevations (around 860 feet above mean sea level) in the west side of the Property where it lies along the Okanogan River.

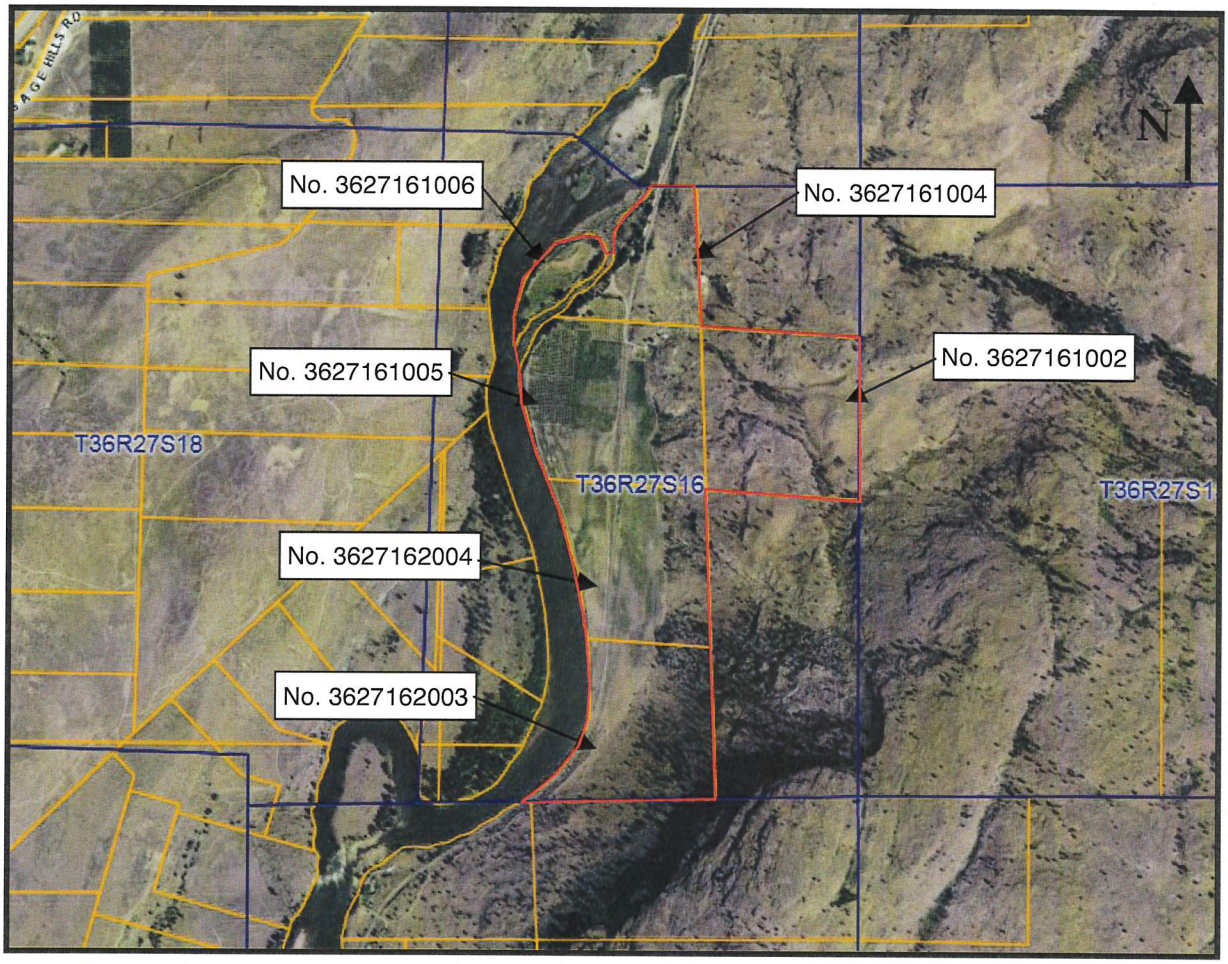


Figure 3 – Parcel Map (Okanogan County Assessor, 2011). The Property includes Parcel Nos. 3627161002, 3627161004, 3627161005, 3627161006, 3627162003 and 3627162004, outlined in red above. The total acreage for the Property is approximately 165.69 acres. Matthew Wilson et. al. are listed as the owners of all of the parcels included in the Property.

Figure 4 – Recent Aerial Photograph (USGS, 2006 © 2010 Google). The approximate boundary of the Property is outlined in yellow. There are structures evident in the north part of the Property. A railroad line is evident running generally north to south through the west part of the Property and two unimproved roads are also present, one running along the west side of the Property and the other running generally north to south through the central part of the Property and identified as Keystone Rd in the photo.

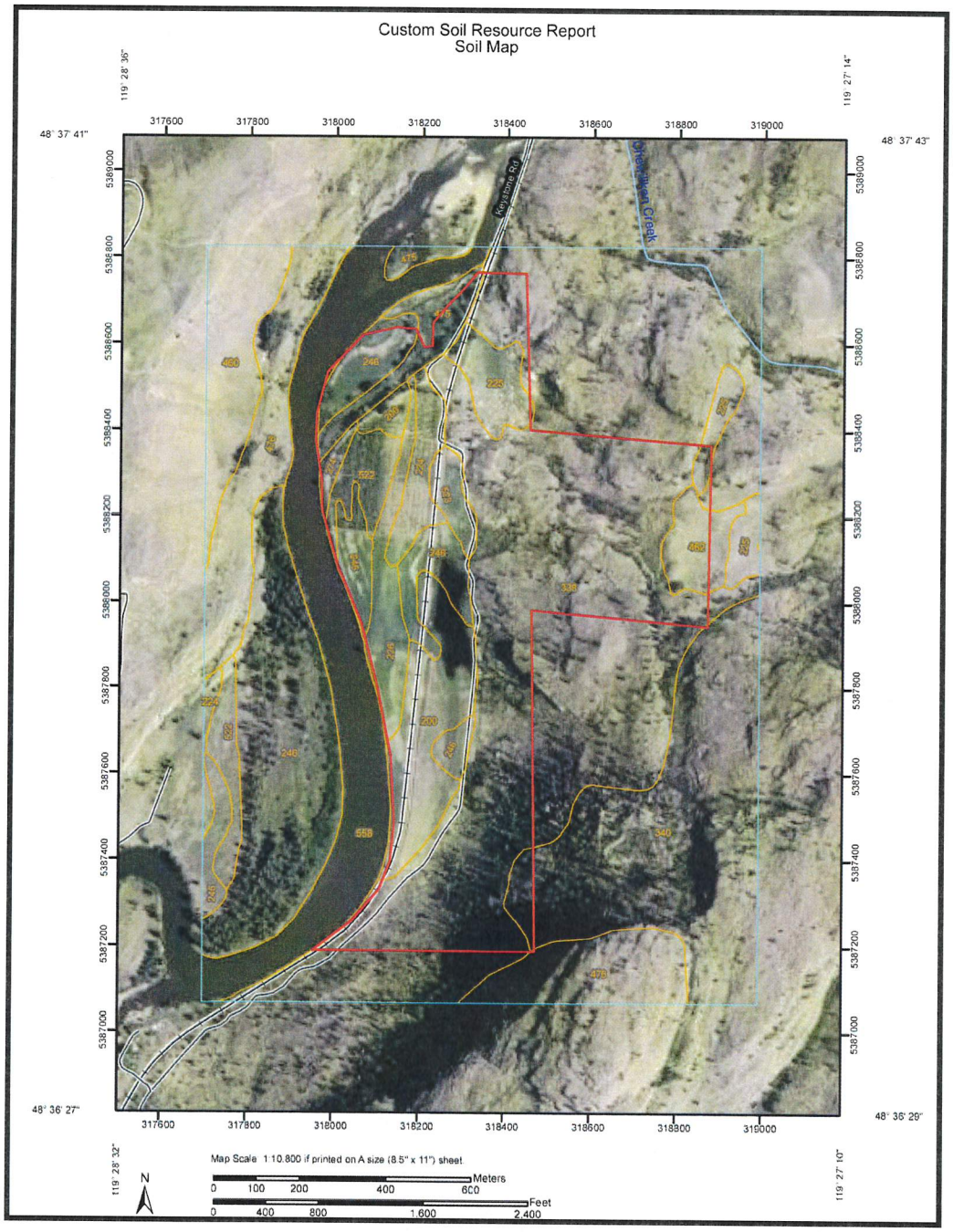


Figure 5 – USDA NRCS Soil Map (2006). The approximate boundary of the Property is outlined in red. There are 12 soil types mapped for the site: Aeneas fine sandy loam, 0 to 3% slopes (200); Cashmere fine sandy loam with 0 to 3% slopes (224), 3 to 8% slopes (225), and 8 to 15% slopes (226); Colville silt loam, moderately wet, 0 to 3% slopes (246); Ewall loamy fine sand, 0 to 15% slopes (274); Lithic Haploxerepts-Cashmont complex, 15 to 45% slopes (338); Lithic Haploxerepts-Donavan-Rock outcrop complex, 15 to 45% slopes (340); Pogue gravelly fine sandy loam, 8 to 25% (462); Riverwash (475); and Tonasket silt loam with 0 to 3% slopes (522) and 3 to 8% slopes (523).

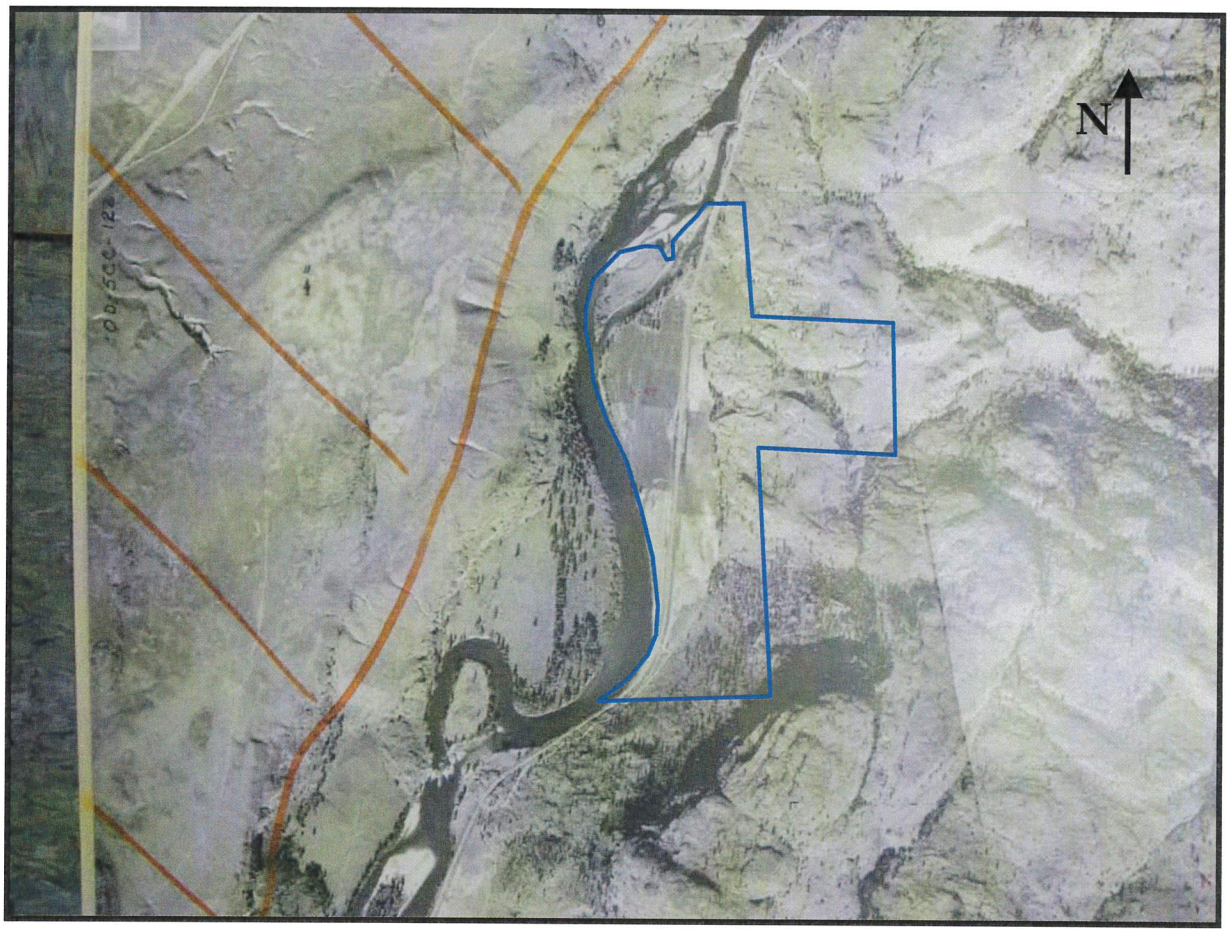


Figure 6a – Historical Aerial Photograph (NRCS, 1964). The approximate boundary of the Property is outlined in blue. There are a few small structures evident on the northwest part of the Property, just east of the side channel of the river that runs through this part of the site. A small orchard is also evident in this area. No structures are evident on any of the adjoining properties. The railroad track is evident, running generally north to south through the length of the site.

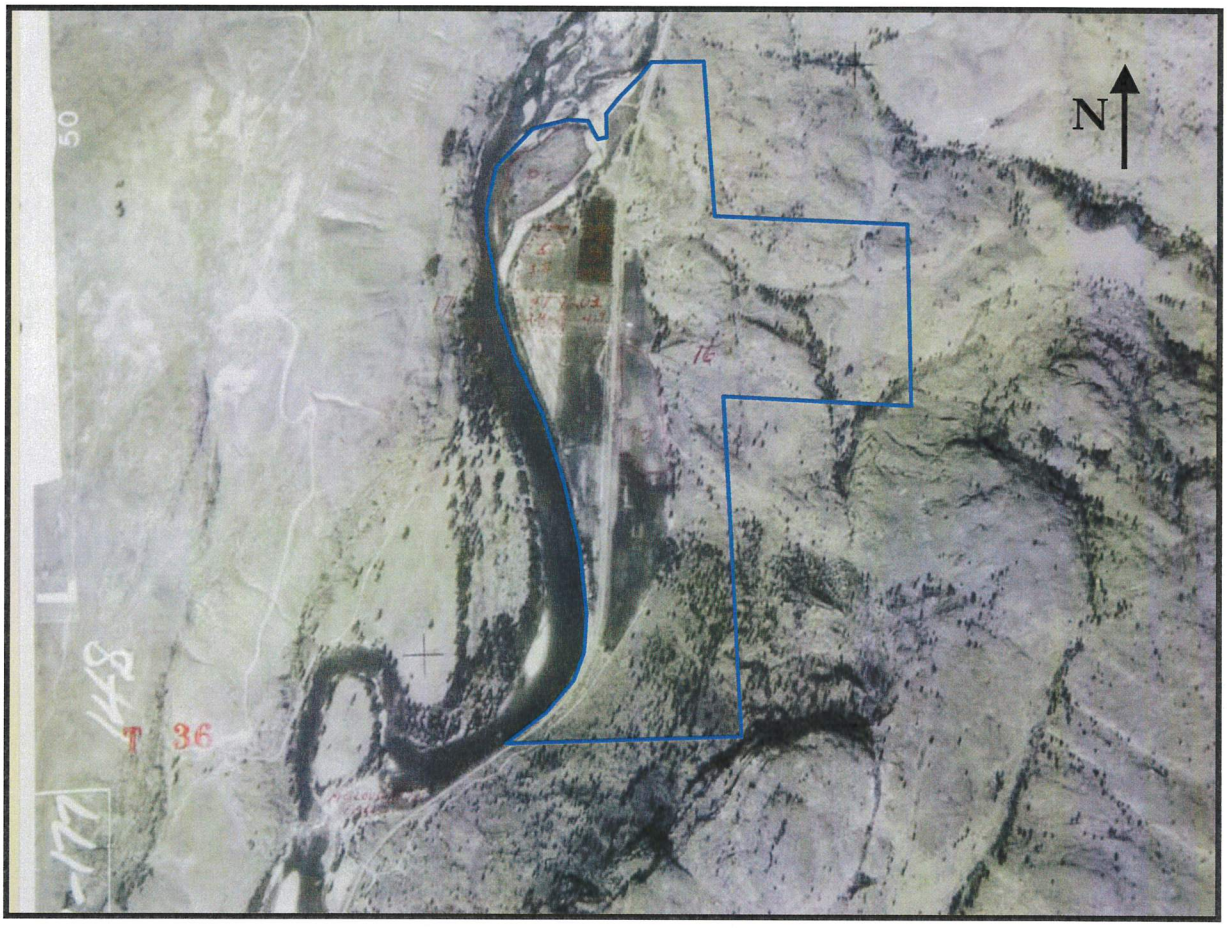


Figure 6b – Historical Aerial Photograph (FSA, 1977). The approximate boundary of the Property is outlined in blue. There are a few small structures evident on the northwest part of the Property, just east of the side channel of the river that runs through this part of the site and farther east where the house is currently present. No structures are evident on any of the adjoining properties. The railroad track is evident, running generally north to south through the length of the site.

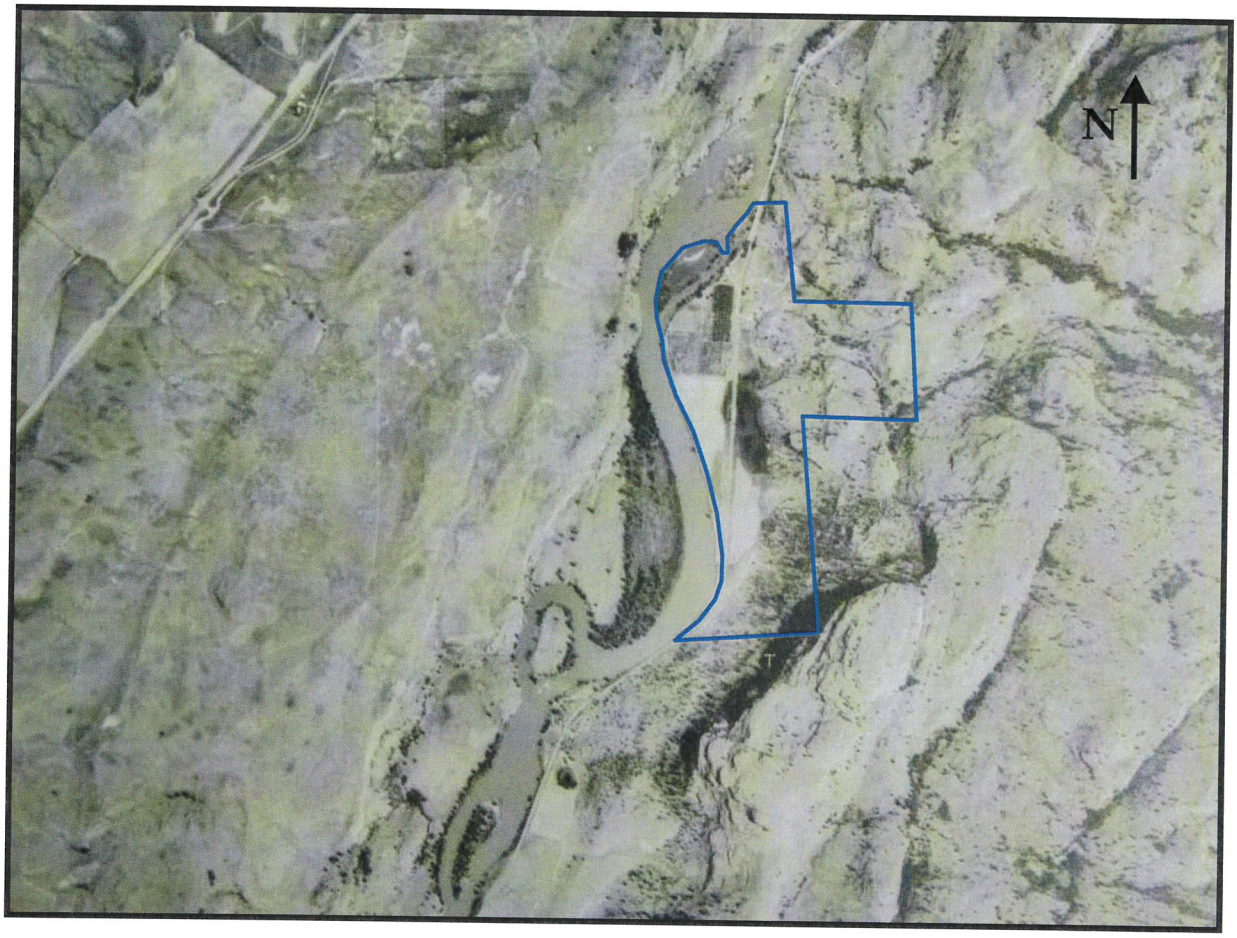


Figure 6c – Historical Aerial Photograph (NRCS, 1991). The approximate boundary of the Property is outlined in blue. There are a few small structures evident on the northwest part of the Property, just east of the side channel of the river that runs through this part of the site near the small orchard. The barn can be seen on the east property line in the north part of the Property, as well as two other smaller structures, likely the house and small shop, to the southwest of the barn and east of the railroad tracks. No structures are evident on any of the adjoining properties.

Appendix A: Qualifications

CESI Qualification Summary

CESI staff members contributing to the process and completion of this ESA meet or exceed the education and experience requirements as specified in X2. DEFINITION OF ENVIRONMENTAL PROFESSIONAL AND RELEVANT EXPERIENCE THERETO, PURSUANT TO 40 CFR.10 of ASTM E 1527-05.

Ms. Deborah Phipps, the Project Manager, site assessor, and preparer of the report, is an Environmental Professional. She has a B.S. in Biology and over twelve years of experience in the environmental consulting field.

Mr. Robert Erikson, an Environmental Professional, provided the quality review of the ESA report. Mr. Erikson has an M.S. in Geochemistry and Mineralogy and a B.A. in Geology. He is a Washington State Registered Hydrogeologist and Geologist and has over thirty years of experience in the environmental field.

Resumes of all participating CESI staff are attached.

Deborah L. Phipps
Columbia Environmental Sciences, Inc.
6503 W. Okanogan Ave., Suite C
Kennewick, WA 99336
Phone: (509) 783-5571 Fax: (509) 783-7938
colenvsci_deborah@att.net
cesidlp@pocketinet.com

Education:

M.S. (in progress), Environmental Sciences, Washington State University, Tri-Cities, WA
B.S. 1998, Biology (Vertebrate Concentration)/Chemistry Minor, Texas A & M University, Corpus Christi, TX
A.A. 1989, General Studies/Certificate of Drafting Technology, Southwestern College, Chula Vista, CA
1983, Ocean Systems Technician Analyst "A" School, United States Navy

Certifications:

NRI Rangeland Field Study Data Collection Training
STOMP Introductory Short Course Visual
ModFlow Groundwater Flow and Transport Training (24-Hour)
OSHA 40-Hour HAZWOPER
ACOE 38-Hour Wetland Delineation & Management Training
Eastern Washington Wetland Rating System Training
Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region Training
AK Approved Sampler

Affiliations:

Society of Wetland Scientists (PNW Chapter)

Professional Experience:

Ms. Phipps has over twelve years of work experience as an environmental scientist. Her experience includes projects involving environmental impact studies; environmental site assessments; biological assessments; conservation easements; Forest Inventory Analysis (FIA); National Rangeland Inventory (NRI); wetland delineation and mitigation; sampling of various media; hydrogeologic investigations; hazardous waste management; project management; CERCLA/RCRA projects; RI/FS projects; regulatory compliance; species identification; and technical writing.

Specific Work Experience:

Principal/Project Scientist, Columbia Environmental Sciences, Inc., *October 2001 – present*
Ms. Phipps performs a variety of environmental services including:

- Environmental Site Assessments per ASTM Standards (including Transaction Screens, and Phase I, II, and III Site Assessments)
- Field Sampling (including soil, groundwater, surface water, biota, sediment, etc.)
- EIS investigation and preparation
- Vadose zone and groundwater modeling using STOMP and ModFlow software
- Plant Association Identification
- Biological Assessments
- Baseline Documentation for Conservation Easements

- Wetland Delineation, Mitigation, Mapping, and Permitting
- Rangeland Surveys
- Forest Inventory Analysis
- Hydrogeologic Investigations
- Aerial Photography Interpretation
- Quality Assurance Inspections
- Project Management
- Data Entry and Analysis and Report Generation
- Health and Safety Preparation and Training

Environmental Specialist, White Shield, Inc., *June 1999 – September 2001*
Provided environmental services for a variety of projects. Specific duties included:

- Biological Assessments
- Phase I, II, and III Environmental Site Assessments
- Project Manager/Biologist/Field Supervisor/Site Safety Officer for the Comprehensive Monitoring Program in support of the Umatilla Chemical Agent Disposal Facility in Hermiston, Oregon (conducted field sampling of all CMP media; developed and maintained related data base; processed and tracked samples; implemented changes to procedures and/or Health & Safety Plan as needed; prepared quarterly report)
- Wetland Delineations
- RI/FS investigation activities
- Sampling of groundwater, surface water, soil and biota
- Preparation of technical reports
- Sample processing

Biological Technician, U.S. Army Corps of Engineers, McNary Dam, Umatilla, OR, *March – June 1999*
Assigned to Juvenile Fish Facility. Specific duties included:

- Monitoring and maintenance of fish passage system
- Hourly computations concerning fish passage numbers
- Identification of adult fish passing through the system as well as juvenile mortalities

Project Technician, Corpus Christi Zoo, Corpus Christi, TX, *1998*
Provided day-to-day care of exotic animals. Duties included feeding, monitoring health, and maintaining habitat. Also constructed exhibits and provided informational signs for exhibits.

Project Technician, Center for Marine Conservation, Corpus Christi, TX, *1997 – 1998*
Assisted in monthly beach debris survey. Documented origin of debris (marine based or shore based) and forwarded data to the Center for Marine Conservation office in Washington D.C.

Project Technician, University of Texas Marine Science Institute, Port Aransas, TX, *1996 – 1997*
Provided rehabilitation care for injured shore birds and sea turtles. Also responsible for tagging, weighing, measuring, and related documentation for sea turtles.

Robert Erikson
Columbia Environmental Sciences, Inc.
6503 W. Okanogan Ave., Suite C
Kennewick, WA 99336
Phone: (509) 783-5571 Fax: (509) 783-7938
colenvsci_bob@att.net (email)

Education:

M.S. 1979, Geochemistry and Mineralogy, The Pennsylvania State University
B.A. 1974, Geology, State University of New York, Brockport

Certifications:

Washington State Registered Hydrogeologist and Geologist
OSHA 40-Hour HAZWOPER
OSHA Training for Site Managers
AHERA Asbestos Training
UST Site Assessor
UST Tank Tightness Tester
AK Approved Sampler
ACOE 38-Hour Wetland Delineation & Management Training
American Geophysical Union
Mineralogical Society of America
Peer reviewer for Geochimica et Cosmochimica Acta, Geophysical Res. Letters, Soil Sci. Soc. Am. J.

Professional Experience:

- Mr. Erikson has more than 30 years experience in directing and conducting site characterization efforts, specializing in soil and groundwater chemistry. Mr. Erikson has participated in over 160 project/tasks in the Pacific Northwest over the last five years involving environmental assessment. Mr. Erikson directs the majority of CESI's risk-assessment projects, laboratory activities, and provides oversight for the firm's Quality Assurance program.

- Mr. Erikson directs CESI's Quality Assurance programs and data validation activities. He has implemented quality assurance methods for mapping projects, biological monitoring projects, electronic data deliverables, and U.S. Forest Service field projects.

- Mr. Erikson oversees all of CESI environmental site assessment (ESA) projects. He ensures that all ESA's are completed per ASTM standards and has been involved with over 60 ESA's within the last year.

- Mr. Erikson leads all of CESI's Asbestos-related small miscellaneous projects. He is a registered AHERA Building Inspector for asbestos-containing materials.

- Mr. Erikson has the technical lead for CESI's field screening efforts. He is experienced with a variety of field screening instruments/methods and has participated in the development of new field-screening techniques.

- Mr. Erikson has the technical lead for CESI's Geoprobe™ activities. He is experienced in both hand-held and truck-mounted Geoprobe™ borehole construction and sampling.

Specific Work Experience:

1994 -	Principal, Columbia Environmental Sciences, Inc.
1993 - 1994	Senior Scientist, Sciences International, Inc.
1991 - 1993	Tech. Grp. Leader, Geosciences Dept., Battelle Pacific Northwest Laboratory
1986 - 1991	Sr. Res. Scientist, Geosciences Dept., Battelle Pacific Northwest Laboratory
1981 - 1986	Res. Scientist, Geosciences Dept., Battelle Pacific Northwest Laboratory
1978 - 1981	Scientist, Water and Land Resources Dept., Battelle Pacific Northwest Laboratory
1974 - 1978	Graduate Research Assistant, The Pennsylvania State University, University Park, PA

Appendix B: Property Records

OKANOGAN COUNTY
WASHINGTON

TerraScan Inc
TAXSIFTER

Scott D. Furman
Okanogan County Assessor 149 3rd North Avenue, Room 202 Okanogan, WA 98840

Assessor **Treasurer** **Appraisal** **MapSifter**

Parcel

Parcel#:	3627161002	**Owner Name:**	MATTHEW WILSON ETAL
Land Use Code:	81 - Resource - Agriculture	**Address1:**	
Situs:		**Address2:**	2248 N HWY 21
Map Number:	36-27-16	**City, State:**	ODESSA WA
Status:		**Zip:**	99159
Description:	SE NE		
Comment:	CUA REMOVAL - ESTATE SETTLEMENT, PAY 2011		

2012 Market Value		2012 Taxable Value		2012 Assessment Data	
Land:	$20,000	Land:	$20,000	District:	451 - District 451
Improvements:	$0	Improvements:	$0	Current Use/DFL:	No
Permanent Crop:	$0	Permanent Crop:	$0		
Total	$20,000	Total	$20,000	Total Acres:	40

Ownership

Owner's Name	Ownership %
WILSON ETAL, MATTHEW	100 %

Sales History

Sale Date	Sales Document	Grantor	Grantee	Price
10/11/11	3167502	WILSON, HENRY	WILSON ETAL, MATTHEW	$0
03/19/10	-3160966	DC FOR ELIZABETH A WILSON	WILSON, HENRY	$0
09/29/70	576-059	SEE DOCUMENT	WILSON, HENRY & ELIZABETH	$29,000

Building Permits

No Building Permits Available

Historical Valuation Info

Year	Billed Owner	Land	Impr.	PermCrop Value	Total	Exempt	Taxable
2012	WILSON ETAL, MATTHEW	$20,000	$0	$0	$20,000	$0	$20,000
2011	WILSON ETAL, MATTHEW	$20,000	$0	$0	$20,000	$0	$20,000
2010	WILSON, HENRY	$20,000	$0	$0	$20,000	$0	$20,000
2009	WILSON, HENRY	$20,000	$0	$0	$20,000	$0	$20,000
2008	WILSON, HENRY	$20,000	$0	$0	$20,000	$0	$20,000

View Taxes

Parcel Comments

Date	Comment
02/18/11	CUA REMOVAL - ESTATE SETTLEMENT, PAY 2011

Property Images

No images found.

1.0.4314.22098

TX_RollYear_Search: 2012

OKANOGAN COUNTY
WASHINGTON

TerraScan Inc
TAXSIFTER

Scott D. Furman
Okanogan County Assessor 149 3rd North Avenue, Room 202 Okanogan, WA 98840

Assessor **Treasurer** **Appraisal** **MapSifter**

Parcel

Parcel#:	3627161004	**Owner Name:**	MATTHEW WILSON ETAL
Land Use Code:	81 - Resource - Agriculture	**Address1:**	
Situs:	198 JANIS RD S	**Address2:**	2248 N HWY 21
Map Number:	36-27-16	**City, State:**	ODESSA WA
Status:		**Zip:**	99159
Description:	LOT 1 (NW NE) L/RR		
Comment:	SC REMOVAL - ESTATE SETTLEMENT, PAY 2011		

2012 Market Value		2012 Taxable Value		2012 Assessment Data	
Land:	$31,300	Land:	$31,300	District:	451 - District 451
Improvements:	$5,800	Improvements:	$5,800	Current Use/DFL:	No
Permanent Crop:	$2,300	Permanent Crop:	$2,300		
Total	$39,400	Total	$39,400	Total Acres:	19.38

Ownership

Owner's Name	Ownership %
WILSON ETAL, MATTHEW	100 %

Sales History

Sale Date	Sales Document	Grantor	Grantee	Price
10/11/11	3167502	WILSON, HENRY	WILSON ETAL, MATTHEW	$0
03/19/10	-3160966	DC FOR ELIZABETH A WILSON	WILSON, HENRY	$0
09/29/70	576-059	SEE DOCUMENT	WILSON, HENRY & ELIZABETH	$29,000

Building Permits

No Building Permits Available

Historical Valuation Info

Year	Billed Owner	Land	Impr.	PermCrop Value	Total	Exempt	Taxable
2012	WILSON ETAL, MATTHEW	$31,300	$5,800	$2,300	$39,400	$0	$39,400
2011	WILSON ETAL, MATTHEW	$31,300	$5,800	$2,300	$39,400	$0	$39,400
2010	WILSON, HENRY	$31,300	$5,800	$2,300	$39,400	$0	$39,400
2009	WILSON, HENRY	$31,300	$5,800	$2,300	$39,400	$0	$39,400
2008	WILSON, HENRY	$31,300	$5,800	$2,300	$39,400	$0	$39,400

View Taxes

Parcel Comments

Date	Comment
02/18/11	SC REMOVAL - ESTATE SETTLEMENT, PAY 2011

Property Images

No images found.

1.0.4314.22098

TX_RollYear_Search: 2012

OKANOGAN COUNTY
WASHINGTON

TerraScan Inc
TAXSIFTER

Scott D. Furman
Okanogan County Assessor 149 3rd North Avenue, Room 202 Okanogan, WA 98840

Assessor **Treasurer** **Appraisal** **MapSifter**

Parcel

Parcel#:	3627161005	**Owner Name:**	MATTHEW WILSON ETAL
Land Use Code:	81 - Resource - Agriculture	**Address1:**	
Situs:	210 JANIS RD S	**Address2:**	2248 N HWY 21
Map Number:	36-27-16	**City, State:**	ODESSA WA
Status:		**Zip:**	99159
Description:	LOT 3 (SW NE) L/RR		
Comment:	CUA REMOVAL - ESTATE SETTLEMENT, PAY 2011		

2012 Market Value		2012 Taxable Value		2012 Assessment Data	
Land:	$86,400	Land:	$86,400	District:	451 - District 451
Improvements:	$36,000	Improvements:	$36,000	Current Use/DFL:	No
Permanent Crop:	$17,100	Permanent Crop:	$17,100		
Total	$139,500	Total	$139,500	Total Acres:	39.82

Ownership

Owner's Name	Ownership %
WILSON ETAL, MATTHEW	100 %

Sales History

Sale Date	Sales Document	Grantor	Grantee	Price
10/11/11	3167502	WILSON, HENRY	WILSON ETAL, MATTHEW	$0
03/19/10	-3160966	DC FOR ELIZABETH A WILSON	WILSON, HENRY	$0
09/29/70	576-059	SEE DOCUMENT	WILSON, HENRY & ELIZABETH	$29,000

Building Permits

No Building Permits Available

Historical Valuation Info

Year	Billed Owner	Land	Impr.	PermCrop Value	Total	Exempt	Taxable
2012	WILSON ETAL, MATTHEW	$86,400	$36,000	$17,100	$139,500	$0	$139,500
2011	WILSON ETAL, MATTHEW	$86,400	$36,000	$17,100	$139,500	$0	$139,500
2010	WILSON, HENRY	$86,400	$36,000	$17,100	$139,500	$0	$139,500
2009	WILSON, HENRY	$81,400	$31,800	$17,100	$130,300	$0	$130,300
2008	WILSON, HENRY	$81,400	$31,800	$17,100	$130,300	$0	$130,300

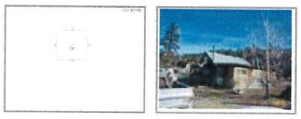
View Taxes

Parcel Comments

Date	Comment
02/18/11	CUA REMOVAL - ESTATE SETTLEMENT, PAY 2011

Property Images

Click on an image to enlarge it.



1.0.4314.22098

TX_RollYear_Search: 2012

OKANOGAN COUNTY
WASHINGTON

Terra Scan Inc
TAXSIFTER

Scott D. Furman
Okanogan County Assessor 149 3rd North Avenue, Room 202 Okanogan, WA 98840

Assessor **Treasurer** **Appraisal** **MapSifter**

Parcel

Parcel#:	3627161006	**Owner Name:**	MATTHEW WILSON ETAL
Land Use Code:	81 - Resource - Agriculture	**Address1:**	
Situs:		**Address2:**	2248 N HWY 21
Map Number:	36-27-16	**City, State:**	ODESSA WA
Status:		**Zip:**	99159
Description:	LOT 2 (NW NE) ISLAND		
Comment:	CUA REMOVAL - ESTATE SETTLEMENT, PAY 2011		

2012 Market Value		2012 Taxable Value		2012 Assessment Data	
Land:	$3,200	Land:	$3,200	District:	451 - District 451
Improvements:	$0	Improvements:	$0	Current Use/DFL:	No
Permanent Crop:	$0	Permanent Crop:	$0		
Total	$3,200	Total	$3,200	Total Acres:	6.4

Ownership

Owner's Name	Ownership %
WILSON ETAL, MATTHEW	100 %

Sales History

Sale Date	Sales Document	Grantor	Grantee	Price
10/11/11	3167502	WILSON, HENRY	WILSON ETAL, MATTHEW	$0
03/19/10	-3160966	DC FOR ELIZABETH A WILSON	WILSON, HENRY	$0
09/29/70	576-59	SEE DOCUMENT	WILSON, HENRY & ELIZABETH	$29,000

Building Permits

No Building Permits Available

Historical Valuation Info

Year	Billed Owner	Land	Impr.	PermCrop Value	Total	Exempt	Taxable
2012	WILSON ETAL, MATTHEW	$3,200	$0	$0	$3,200	$0	$3,200
2011	WILSON ETAL, MATTHEW	$3,200	$0	$0	$3,200	$0	$3,200
2010	WILSON, HENRY	$3,200	$0	$0	$3,200	$0	$3,200
2009	WILSON, HENRY	$3,200	$0	$0	$3,200	$0	$3,200
2008	WILSON, HENRY	$3,200	$0	$0	$3,200	$0	$3,200

View Taxes

Parcel Comments

Date	Comment
02/18/11	CUA REMOVAL - ESTATE SETTLEMENT, PAY 2011

Property Images

No images found.

1.0.4314.22098

TX_RollYear_Search: 2012

OKANOGAN COUNTY
WASHINGTON

TerraScan Inc
TAXSIFTER

Scott D. Furman
Okanogan County Assessor 149 3rd North Avenue, Room 202 Okanogan, WA 98840

Assessor **Treasurer** **Appraisal** **MapSifter**

Parcel

Parcel#:	3627162003	**Owner Name:**	MATTHEW WILSON ETAL
Land Use Code:	81 - Resource - Agriculture	**Address1:**	
Situs:		**Address2:**	2248 N HWY 21
Map Number:	36-27-16	**City, State:**	ODESSA WA
Status:		**Zip:**	99159
Description:	LOT 5 (SW SE) L/RR		
Comment:	CUA REMOVAL - ESTATE SETTLEMENT, PAY 2011		

2012 Market Value		2012 Taxable Value		2012 Assessment Data	
Land:	$39,700	Land:	$39,700	District:	453 - District 453
Improvements:	$0	Improvements:	$0	Current Use/DFL:	No
Permanent Crop:	$0	Permanent Crop:	$0		
Total	$39,700	Total	$39,700	Total Acres:	29.91

Ownership

Owner's Name	Ownership %
WILSON ETAL, MATTHEW	100 %

Sales History

Sale Date	Sales Document	Grantor	Grantee	Price
10/11/11	3167502	WILSON, HENRY	WILSON ETAL, MATTHEW	$0
03/19/10	-3160966	DC FOR ELIZABETH A WILSON	WILSON, HENRY	$0
09/29/70	576-59	SEE DOCUMENT	WILSON, HENRY & ELIZABETH	$29,000

Building Permits

No Building Permits Available

Historical Valuation Info

Year	Billed Owner	Land	Impr.	PermCrop Value	Total	Exempt	Taxable
2012	WILSON ETAL, MATTHEW	$39,700	$0	$0	$39,700	$0	$39,700
2011	WILSON ETAL, MATTHEW	$39,700	$0	$0	$39,700	$0	$39,700
2010	WILSON, HENRY	$39,700	$0	$0	$39,700	$0	$39,700
2009	WILSON, HENRY	$39,700	$0	$0	$39,700	$0	$39,700
2008	WILSON, HENRY	$39,700	$0	$0	$39,700	$0	$39,700

View Taxes

Parcel Comments

Date	Comment
02/18/11	CUA REMOVAL - ESTATE SETTLEMENT, PAY 2011

Property Images

No images found.

1.0.4314.22098

TX_RollYear_Search: 2012

OKANOGAN COUNTY
WASHINGTON

TerraScan Inc
TAXSIFTER

Scott D. Furman
Okanogan County Assessor 149 3rd North Avenue, Room 202 Okanogan, WA 98840

Assessor **Treasurer** **Appraisal** **MapSifter**

Parcel

Parcel#:	3627162004	**Owner Name:**	MATTHEW WILSON ETAL
Land Use Code:	81 - Resource - Agriculture	**Address1:**	
Situs:		**Address2:**	2248 N HWY 21
Map Number:	36-27-16	**City, State:**	ODESSA WA
Status:		**Zip:**	99159
Description:	LOT 4 (NW SE) L/RR		
Comment:	CUA REMOVAL - ESTATE SETTLEMENT, PAY 2011		

2012 Market Value		2012 Taxable Value		2012 Assessment Data	
Land:	$76,000	Land:	$76,000	District:	453 - District 453
Improvements:	$0	Improvements:	$0	Current Use/DFL:	No
Permanent Crop:	$0	Permanent Crop:	$0		
Total	$76,000	Total	$76,000	Total Acres:	30.14

Ownership

Owner's Name	Ownership %
WILSON ETAL, MATTHEW	100 %

Sales History

Sale Date	Sales Document	Grantor	Grantee	Price
10/11/11	3167502	WILSON, HENRY	WILSON ETAL, MATTHEW	$0
03/19/10	-3160966	DC FOR ELIZABETH A WILSON	WILSON, HENRY	$0
09/29/70	576-59	SEE DOCUMENT	WILSON, HENRY & ELIZABETH	$29,000

Building Permits

No Building Permits Available

Historical Valuation Info

Year	Billed Owner	Land	Impr.	PermCrop Value	Total	Exempt	Taxable
2012	WILSON ETAL, MATTHEW	$76,000	$0	$0	$76,000	$0	$76,000
2011	WILSON ETAL, MATTHEW	$76,000	$0	$0	$76,000	$0	$76,000
2010	WILSON, HENRY	$76,000	$0	$0	$76,000	$0	$76,000
2009	WILSON, HENRY	$76,000	$0	$0	$76,000	$0	$76,000
2008	WILSON, HENRY	$76,000	$0	$0	$76,000	$0	$76,000

View Taxes

Parcel Comments

Date	Comment
02/18/11	CUA REMOVAL - ESTATE SETTLEMENT, PAY 2011

Property Images

No images found.

1.0.4314.22098

TX_RollYear_Search: 2012

Appendix C: Property Questionnaires

CESI Phase I Questionnaires (ASTM E 2247-08)

Background Info

Project No: 891

Client: WDFW, Shawn Kyes

Site Name: Wilson Property (Parcel Nos. 3627161002. 3627161004, 3627161005, 3627161006, 3627162003 and 3627162004)

User Questionnaire

Completed by: Terrie Preston Date: Oct. 25, 2011

Name of User: WDFW

1) Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? No

2) Are you aware of any AUL's (activity and use limitations)? Such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? None known.

3) As the user of the ESA do you have any specialized knowledge or experience related to the property or nearby properties? No For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of any chemicals and/or processes used by this type of business? No

3) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? Yes. If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? N/A

4) Do you know the past uses of the property? Ag

5) Do you know of specific chemicals that are present or once were present at the property? Do not know.

6) Do you know of spills or other chemical releases that have taken place at the property? Do not know.

7) Do you know of any environmental cleanups that have taken place at the property? None known.

8) As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property? None known.

9) Do you know of any previous Phase I ESA's, geotechnical reports, or other site characteristic reports for the property? None known.

CESI Phase I Questionnaires (ASTM E 2247-08)

Background Info

Project No: 891

Client: WDFW, Shawn Kyes

Site Name: Wilson Property (Parcel Nos. 3627161002, 3627161004, 3627161005, 3627161006, 362712003 & 3627162004)

Owner/Manager Questionnaire

(To obtain information indicating recognized environmental conditions in connection with the property.)

Completed by: D. Phipps via phone interview with Henry Wilson
Date: October 27, 2011

Name of Owner/Manager: Henry Wilson (previous owner and current occupant and manager of the Property)

Years experience with the site: since 1970

Are there any pending, threatened, or past litigation or administrative proceedings related to hazardous substances or petroleum products in regard to the property to your knowledge? No.

Are you aware of any notices from any government entity regarding any possible violation of environmental laws or possible liability related to hazardous substance or petroleum products in regard to the property? No.

Is the property or any adjoining property currently used for an industrial use? No.

Are you aware of past use of the property or any adjoining property for an industrial use? No.

Is the property or any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? No.

To the best of your knowledge, has the property or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility in the past? No.

Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than 5 gal (19L) in volume or 50 gal (190L) in the aggregate, stored on or used at the property or at the facility? No. Barrels of organic spray oil on work bench by pesticide shed.

Are there currently, or to the best of your knowledge have there been previously, any industrial drums (typically 55 gal (208 L)) or sacks of chemicals located on the property or at the facility? Yes: approved pesticide chemicals have been used for the orchard.

Has fill dirt been brought onto the property that originated from a contaminated site or that is of an unknown origin? No.

Are there currently, or to the best of your knowledge have there been previously, any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal? No.

Is there currently, or to the best of your knowledge has there been previously, any stained soil on the property? No.

Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure on the property? No: pipes by the house are vent pipes for the septic tank.

Are there currently, or to the best of your knowledge have there been previously, any floorings, drains, or walls located within the facility that are stained by substances other than water or that are emitting foul odors? No.

If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by an government environmental/health agency? Private hand-dug well; no testing ever done.

Does the owner or occupant of the property have any knowledge of environmental liens or government notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property? No.

Has the owner or occupant of the property been informed of the past or current existence of hazardous substances or petroleum products or environmental violations with respect to the property or any facility located on the property? No.

Does the owner or occupant of the property have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property? No.

Does the owner or occupant of the property know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant or the property? No.

Does the property discharge waste water on or adjacent to the property other than storm water into a sanitary sewer system? No; on septic tank.

To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried, and/or burned on the property? No. When asked "what do you bury and burn in the bone yard?" Mr. Wilson replied "Mostly tin cans, household wastes and burn wood stuff."

Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs? No.

Are you aware of any hazardous waste sites or cleanup activities in the surrounding area? No.

Mr. Wilson was also asked about the partial burial of several vehicles and other equipment in the southeast part of the bone yard by gravel and confirmed that it was the result of a flashflood that occurred in September 2010.

Appendix D: Regulatory Reports

Wilson Property
Hwy 97
Riverside, WA 98849

Inquiry Number: 3189948.1s
October 19, 2011

The EDR Radius Map™ Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

HWY 97
RIVERSIDE, WA 98849

COORDINATES

Latitude (North):	48.618300 - 48° 37' 5.9"
Longitude (West):	119.465800 - 119° 27' 56.9"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	318272.2
UTM Y (Meters):	5387741.5
Elevation:	878 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	48119-E4 KEYSTONE, WA
Most Recent Revision:	1980
North Map:	48119-F4 TONASKET, WA
Most Recent Revision:	1981

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2005, 2006
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL---------- National Priority List

EXECUTIVE SUMMARY

Proposed NPL---------- Proposed National Priority List Sites
NPL LIENS---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL---------- National Priority List Deletions

Federal CERCLIS list

CERCLIS---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP---------- CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG---------- RCRA - Large Quantity Generators
RCRA-SQG---------- RCRA - Small Quantity Generators
RCRA-CESQG---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS---------- Engineering Controls Sites List
US INST CONTROL---------- Sites with Institutional Controls

Federal ERNS list

ERNS---------- Emergency Response Notification System

State- and tribal - equivalent NPL

HSL---------- Hazardous Sites List

State- and tribal - equivalent CERCLIS

CSCSL---------- Confirmed and Suspected Contaminated Sites List

State and tribal landfill and/or solid waste disposal site lists

SWF/LF---------- Solid Waste Facility Database

State and tribal leaking storage tank lists

LUST---------- Leaking Underground Storage Tanks Site List
INDIAN LUST---------- Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

UST ---------- Underground Storage Tank Database
AST ---------- Aboveground Storage Tank Locations
INDIAN UST ---------- Underground Storage Tanks on Indian Land
FEMA UST ---------- Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

INST CONTROL ---------- Institutional Control Site List

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing
VCP ---------- Voluntary Cleanup Program Sites
ICR ---------- Independent Cleanup Reports

State and tribal Brownfields sites

BROWNFIELDS ---------- Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
SWTIRE ---------- Solid Waste Tire Facilities
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ---------- Clandestine Drug Labs
ALLSITES ---------- Facility/Site Identification System Listing
CSCSL NFA ---------- Confirmed & Contaminated Sites - No Further Action
CDL ---------- Clandestine Drug Lab Contaminated Site List
HIST CDL ---------- List of Sites Contaminated by Clandestine Drug Labs
US HIST CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---------- CERCLA Lien Information
LUCIS ---------- Land Use Control Information System

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
SPILLS ---------- Reported Spills

Other Ascertainable Records

RCRA-NonGen ---------- RCRA - Non Generators

EXECUTIVE SUMMARY

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
UIC	Underground Injection Wells Listing
MANIFEST	Hazardous Waste Manifest Data
DRYCLEANERS	Drycleaner List
NPDES	Water Quality Permit System Data
AIRS	Washington Emissions Data System
Inactive Drycleaners	Inactive Drycleaners
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
FINANCIAL ASSURANCE	Financial Assurance Information Listing
COAL ASH	Coal Ash Disposal Site Listing
COAL ASH DOE	Sleam-Electric Plan Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

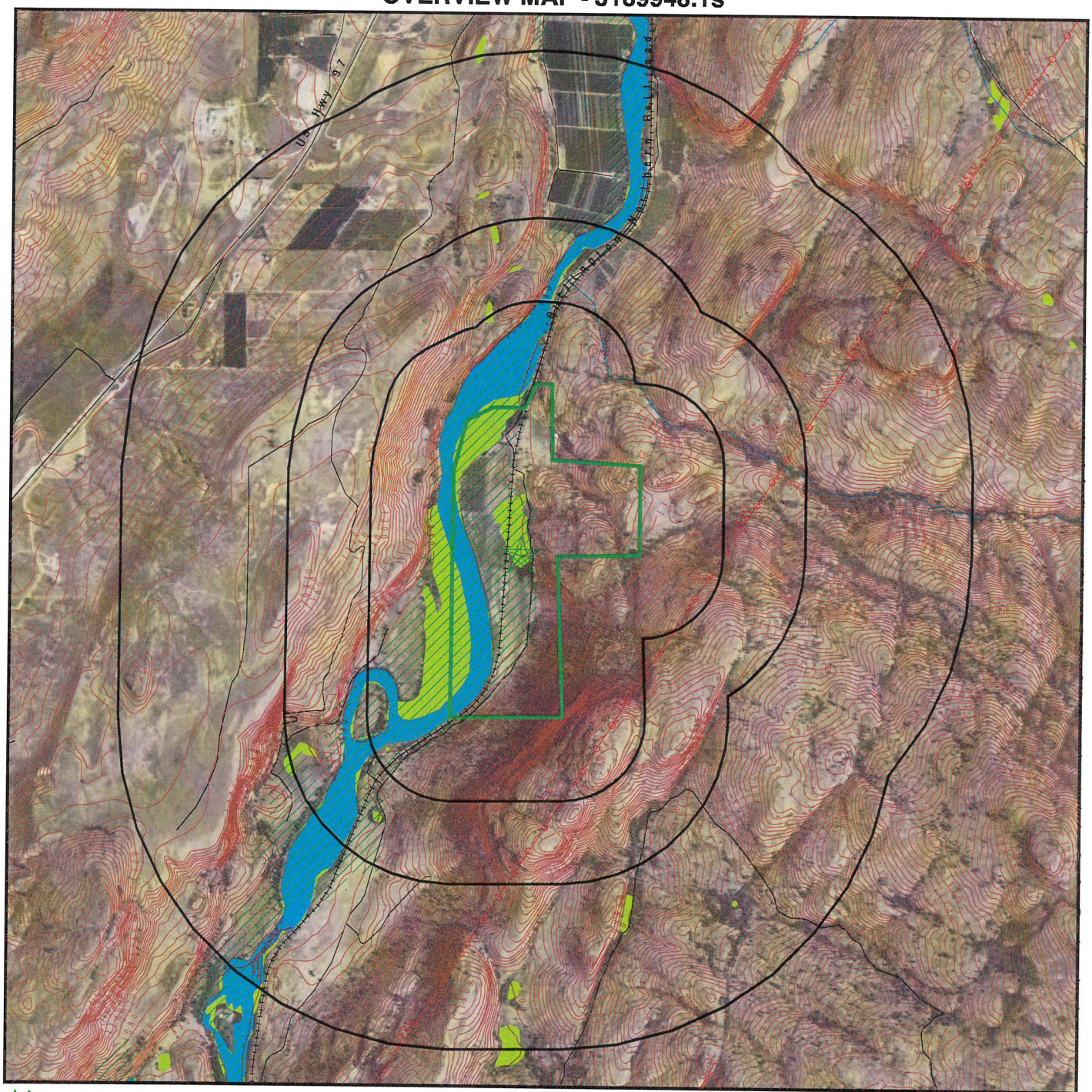
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 11 records.

Site Name	Database(s)
US DA FHA EDWIN DIXON FARM	ALLSITES
GAVIN PETROLEUM	ALLSITES, CSCSL NFA
GREGORY FISHER PROPERTY	FINDS, ALLSITES
WA DOT TONASKET MAINTENANCE SITE	FINDS, ALLSITES, CSCSL NFA
ELLISFORDE TIBBS LANDFILL	ALLSITES, CSCSL NFA
HICKMANS BODY SHOP INC	RCRA-NonGen, FINDS, ALLSITES
STEVENS AUTO WRECKING	ALLSITES
PALOMARES PROPERTY	FINDS, ALLSITES
GAVIN PETROLEUM	FINDS, UST
WA DOT TONASKET MAINTENANCE SITE	UST
EDWARDS PROPERTY - USDA FARMER HOM	ICR

OVERVIEW MAP - 3189948.1s

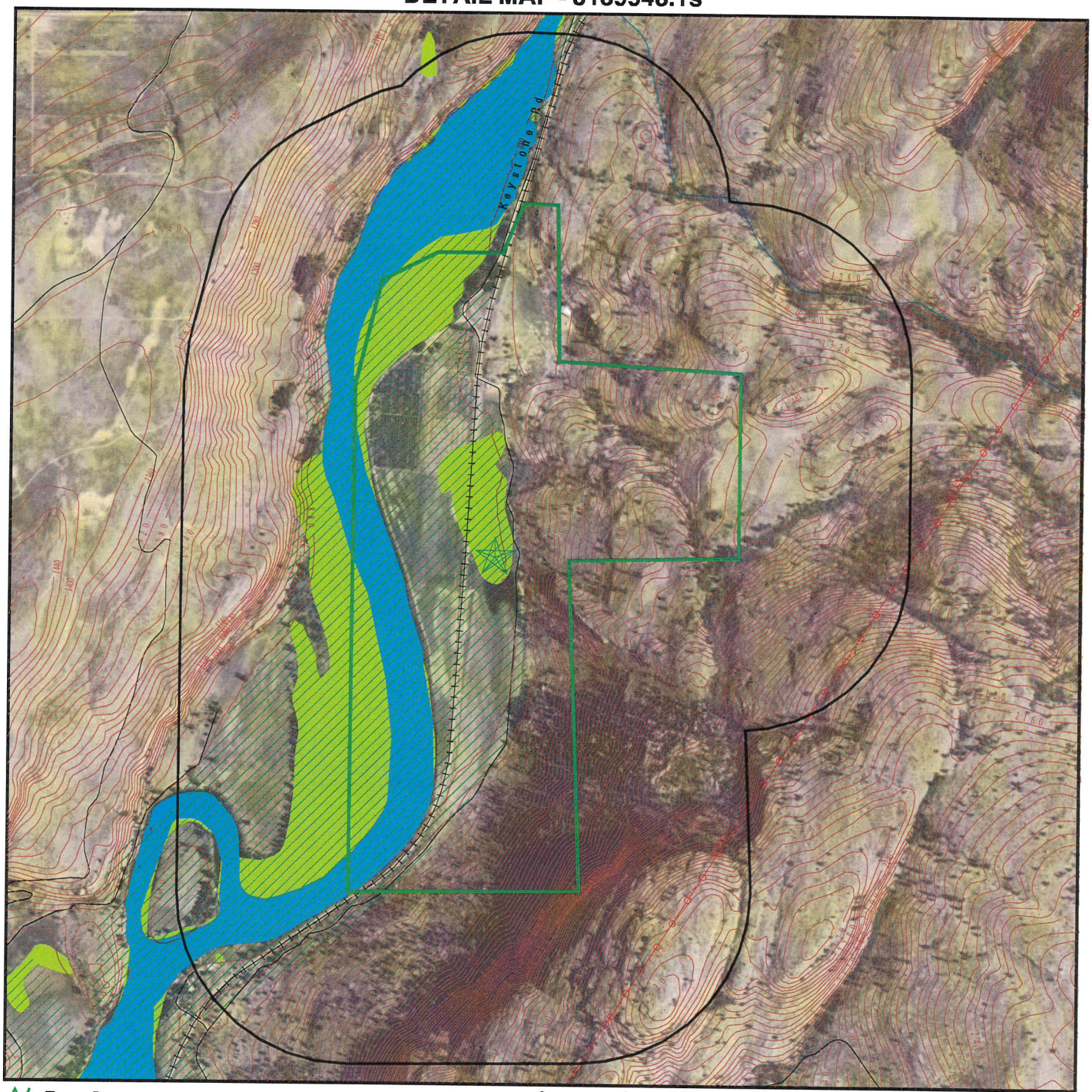


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Wilson Property ADDRESS: Hwy 97 Riverside WA 98849 LAT/LONG: 48.6183 / 119.4658	CLIENT: Columbia Env. Science CONTACT: Deborah Phipps INQUIRY #: 3189948.1s DATE: October 19, 2011 1:30 pm

DETAIL MAP - 3189948.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Wilson Property	CLIENT:	Columbia Env. Science
ADDRESS:	Hwy 97 Riverside WA 98849	CONTACT:	Deborah Phipps
LAT/LONG:	48.6183 / 119.4658	INQUIRY #:	3189948.1s
		DATE:	October 19, 2011 1:31 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
HSL		1.000	0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CSCSL		1.000	0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
ICR		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
ALLSITES		0.500	0	0	0	NR	NR	0
CSCSL NFA		0.500	0	0	0	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
HIST CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
MANIFEST		0.250	0	0	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
Inactive Drycleaners		0.250	0	0	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

MAP FINDINGS

NO SITES FOUND

Count: 11 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIVERSIDE	S109556506	US DA FHA EDWIN DIXON FARM	T35N & 17 KEYSTONE RD	98849	ALLSITES
TONASKET	1007081226	GAVIN PETROLEUM	611 HWY 7 S	98855	FINDS, UST
TONASKET	S104971924	GAVIN PETROLEUM	611 HWY 7 S	98855	ALLSITES, CSCSL NFA
TONASKET	1011959416	GREGORY FISHER PROPERTY	32050 HWY 97 N	98855	FINDS, ALLSITES
TONASKET	1007068648	WA DOT TONASKET MAINTENANCE SITE	HWY 97	98855	FINDS, ALLSITES, CSCSL NFA
TONASKET	S104971922	ELLISFORDE TIBBS LANDFILL	HWY 97	98855	ALLSITES, CSCSL NFA
TONASKET	U000925964	WA DOT TONASKET MAINTENANCE SITE	HWY 97	98855	UST
TONASKET	1004793571	HICKMANS BODY SHOP INC	31640 N HWY 97	98855	RCRA-NonGen, FINDS, ALLSITES
TONASKET	S103506754	EDWARDS PROPERTY - USDA FARMER HOM	RIVER LOOP RD	98855	ICR
TONASKET	S110039349	STEVENS AUTO WRECKING	31834 STHY 97 N	98855	ALLSITES
TONASKET	1008919981	PALOMARES PROPERTY	YARNELL RD	98855	FINDS, ALLSITES

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/30/2011
Date Data Arrived at EDR: 07/12/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 79

Source: EPA
Telephone: N/A
Last EDR Contact: 10/12/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/30/2011
Date Data Arrived at EDR: 07/12/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 79

Source: EPA
Telephone: N/A
Last EDR Contact: 10/12/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/30/2011
Date Data Arrived at EDR: 07/12/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 79

Source: EPA
Telephone: N/A
Last EDR Contact: 10/12/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 09/01/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing
A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010
Date Data Arrived at EDR: 01/11/2011
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/14/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 09/01/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/09/2011
Date Data Arrived at EDR: 03/15/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 91

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2011
Date Data Arrived at EDR: 03/25/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2011
Date Data Arrived at EDR: 03/25/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 07/05/2011
Date Data Arrived at EDR: 07/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 86

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/04/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Annually

State- and tribal - equivalent NPL

HSL: Hazardous Sites List
The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 03/01/2011
Date Data Arrived at EDR: 03/18/2011
Date Made Active in Reports: 03/30/2011
Number of Days to Update: 12

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 09/13/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

State- and tribal - equivalent CERCLIS

CSCSL: Confirmed and Suspected Contaminated Sites List
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/28/2011
Date Data Arrived at EDR: 07/29/2011
Date Made Active in Reports: 09/08/2011
Number of Days to Update: 41

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 07/29/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility Database
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/22/2011
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 07/27/2011
Number of Days to Update: 33

Source: Department of Ecology
Telephone: 360-407-6132
Last EDR Contact: 10/11/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks Site List
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/23/2011
Date Data Arrived at EDR: 08/25/2011
Date Made Active in Reports: 09/21/2011
Number of Days to Update: 27

Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 08/25/2011
Next Scheduled EDR Contact: 12/05/2011
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011
Date Data Arrived at EDR: 02/01/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 48

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/11/2011
Date Data Arrived at EDR: 08/12/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 32

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/04/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 39

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 05/05/2011
Date Data Arrived at EDR: 08/02/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 42

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/16/2011
Date Data Arrived at EDR: 06/02/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 103

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/02/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/24/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/14/2011
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 08/26/2011
Next Scheduled EDR Contact: 12/05/2011
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Locations
A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

Date of Government Version: 05/27/2009
Date Data Arrived at EDR: 05/28/2009
Date Made Active in Reports: 06/19/2009
Number of Days to Update: 22

Source: Department of Ecology
Telephone: 360-407-7562
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/11/2011
Date Data Arrived at EDR: 08/12/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 32

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/04/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 39

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/04/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 39

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 05/05/2011
Date Data Arrived at EDR: 08/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 18

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011
Date Data Arrived at EDR: 06/01/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 13

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/02/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/17/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Control Site List
Sites that have institutional controls.

Date of Government Version: 08/17/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/14/2011
Number of Days to Update: 26

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 08/19/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 05/05/2011
Date Data Arrived at EDR: 07/05/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 70

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/04/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites
Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

Date of Government Version: 07/22/2011
Date Data Arrived at EDR: 08/02/2011
Date Made Active in Reports: 08/18/2011
Number of Days to Update: 16

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

ICR: Independent Cleanup Reports
These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree. This database is no longer updated by the Department of Ecology.

Date of Government Version: 12/01/2002
Date Data Arrived at EDR: 01/03/2003
Date Made Active in Reports: 01/22/2003
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 08/10/2009
Next Scheduled EDR Contact: 11/09/2009
Data Release Frequency: No Update Planned

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing
A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 07/28/2011
Date Data Arrived at EDR: 07/29/2011
Date Made Active in Reports: 08/18/2011
Number of Days to Update: 20

Source: Department of Ecology
Telephone: 360-725-4030
Last EDR Contact: 07/29/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/27/2011
Date Data Arrived at EDR: 06/27/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/28/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWTIRE: Solid Waste Tire Facilities
This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 28

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 09/15/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/08/2011
Date Data Arrived at EDR: 09/16/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 13

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/07/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: Quarterly

ALLSITES: Facility/Site Identification System Listing
Information on facilities and sites of interest to the Department of Ecology.

Date of Government Version: 08/09/2011
Date Data Arrived at EDR: 08/09/2011
Date Made Active in Reports: 09/14/2011
Number of Days to Update: 36

Source: Department of Ecology
Telephone: 360-407-6423
Last EDR Contact: 08/09/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Quarterly

CSCSL NFA: Confirmed and Contaminated Sites - No Further Action
The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

Date of Government Version: 07/28/2011
Date Data Arrived at EDR: 07/29/2011
Date Made Active in Reports: 08/18/2011
Number of Days to Update: 20

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 07/29/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Semi-Annually

CDL: Clandestine Drug Lab Contaminated Site List
Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

Date of Government Version: 02/09/2009
Date Data Arrived at EDR: 03/18/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 6

Source: Department of Health
Telephone: 360-236-3380
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

HIST CDL: List of Sites Contaminated by Clandestine Drug Labs
This listing of contaminated sites by Clandestine Drug Labs includes non-remediated properties. The current CDL listing does not. This listing is no longer updated by the state agency.

Date of Government Version: 02/08/2007
Date Data Arrived at EDR: 06/26/2007
Date Made Active in Reports: 07/19/2007
Number of Days to Update: 23

Source: Department of Health
Telephone: 360-236-3381
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011
Date Data Arrived at EDR: 09/16/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/12/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Varies

LUCIS: Land Use Control Information System
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/11/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/05/2011
Date Data Arrived at EDR: 07/05/2011
Date Made Active in Reports: 09/30/2011
Number of Days to Update: 87

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/04/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Annually

SPILLS: Reported Spills
Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 06/16/2011
Date Data Arrived at EDR: 06/17/2011
Date Made Active in Reports: 07/27/2011
Number of Days to Update: 40

Source: Department of Ecology
Telephone: 360-407-6950
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2011
Date Data Arrived at EDR: 02/11/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/09/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/01/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 41

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/03/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/31/2011
Date Data Arrived at EDR: 09/14/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 15

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/14/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/21/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 99

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/08/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/17/2010
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 94

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/01/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/27/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 08/18/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011
Date Data Arrived at EDR: 01/21/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/19/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011
Date Data Arrived at EDR: 01/13/2011
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/13/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 41

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 09/13/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/01/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Biennially

UIC: Underground Injection Wells Listing
A listing of underground injection wells.

Date of Government Version: 08/23/2011
Date Data Arrived at EDR: 08/25/2011
Date Made Active in Reports: 09/14/2011
Number of Days to Update: 20

Source: Department of Ecology
Telephone: 360-407-6143
Last EDR Contact: 08/25/2011
Next Scheduled EDR Contact: 12/05/2011
Data Release Frequency: Varies

WA MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/30/2011
Date Made Active in Reports: 07/27/2011
Number of Days to Update: 27

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Annually

DRYCLEANERS: Drycleaner List
A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/30/2011
Date Made Active in Reports: 07/27/2011
Number of Days to Update: 27

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Varies

NPDES: Water Quality Permit System Data
A listing of permitted wastewater facilities.

Date of Government Version: 08/01/2011
Date Data Arrived at EDR: 08/03/2011
Date Made Active in Reports: 08/31/2011
Number of Days to Update: 28

Source: Department of Ecology
Telephone: 360-407-6073
Last EDR Contact: 07/25/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Quarterly

AIRS (EMI): Washington Emissions Data System
Emissions inventory data.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 01/11/2011
Date Made Active in Reports: 02/23/2011
Number of Days to Update: 43

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INACTIVE DRYCLEANERS: Inactive Drycleaners
A listing of inactive drycleaner facility locations.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/30/2011
Date Made Active in Reports: 07/27/2011
Number of Days to Update: 27

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Annually

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 07/15/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE 3: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/19/2007
Number of Days to Update: 44

Source: Department of Ecology
Telephone: 360-407-6136
Last EDR Contact: 08/23/2011
Next Scheduled EDR Contact: 12/05/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/24/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/21/2011
Number of Days to Update: 26

Source: Department of Ecology
Telephone: 360-586-1060
Last EDR Contact: 08/22/2011
Next Scheduled EDR Contact: 12/05/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/23/2011
Date Data Arrived at EDR: 05/26/2011
Date Made Active in Reports: 06/27/2011
Number of Days to Update: 32

Source: Department of Ecology
Telephone: 360-407-6754
Last EDR Contact: 08/22/2011
Next Scheduled EDR Contact: 12/05/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 06/29/2009
Date Data Arrived at EDR: 07/02/2009
Date Made Active in Reports: 07/08/2009
Number of Days to Update: 6

Source: Department of Ecology
Telephone: 360-407-6933
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/18/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/16/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/19/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

KING COUNTY:

Abandoned Landfill Study in King County
The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/1985
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle-King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE COUNTY:

Abandoned Landfill Study in the City of Seattle
The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/1984
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle - King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project
This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/1986
Date Data Arrived at EDR: 08/18/1995
Date Made Active in Reports: 09/20/1995
Number of Days to Update: 33

Source: Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 08/14/1995
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

Solid Waste Sites of Record at Snohomish Health District
Solid waste disposal and/or utilization sites in Snohomish County.

Date of Government Version: 03/08/2011
Date Data Arrived at EDR: 03/31/2011
Date Made Active in Reports: 05/06/2011
Number of Days to Update: 36

Source: Snohomish Health District
Telephone: 206-339-5250
Last EDR Contact: 09/30/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Semi-Annually

TACOMA/PIERCE COUNTY:

Closed Landfill Survey

Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/2002
Date Data Arrived at EDR: 03/24/2003
Date Made Active in Reports: 05/14/2003
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department
Telephone: 206-591-6500
Last EDR Contact: 03/19/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/26/2011
Next Scheduled EDR Contact: 12/05/2011
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2011
Date Data Arrived at EDR: 08/09/2011
Date Made Active in Reports: 09/16/2011
Number of Days to Update: 38

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/09/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/15/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Daycare Center Listing
Source: Department of Social & Health Services
Telephone: 253-383-1735

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

Appendix E: USDA NRCS Soil Survey Report

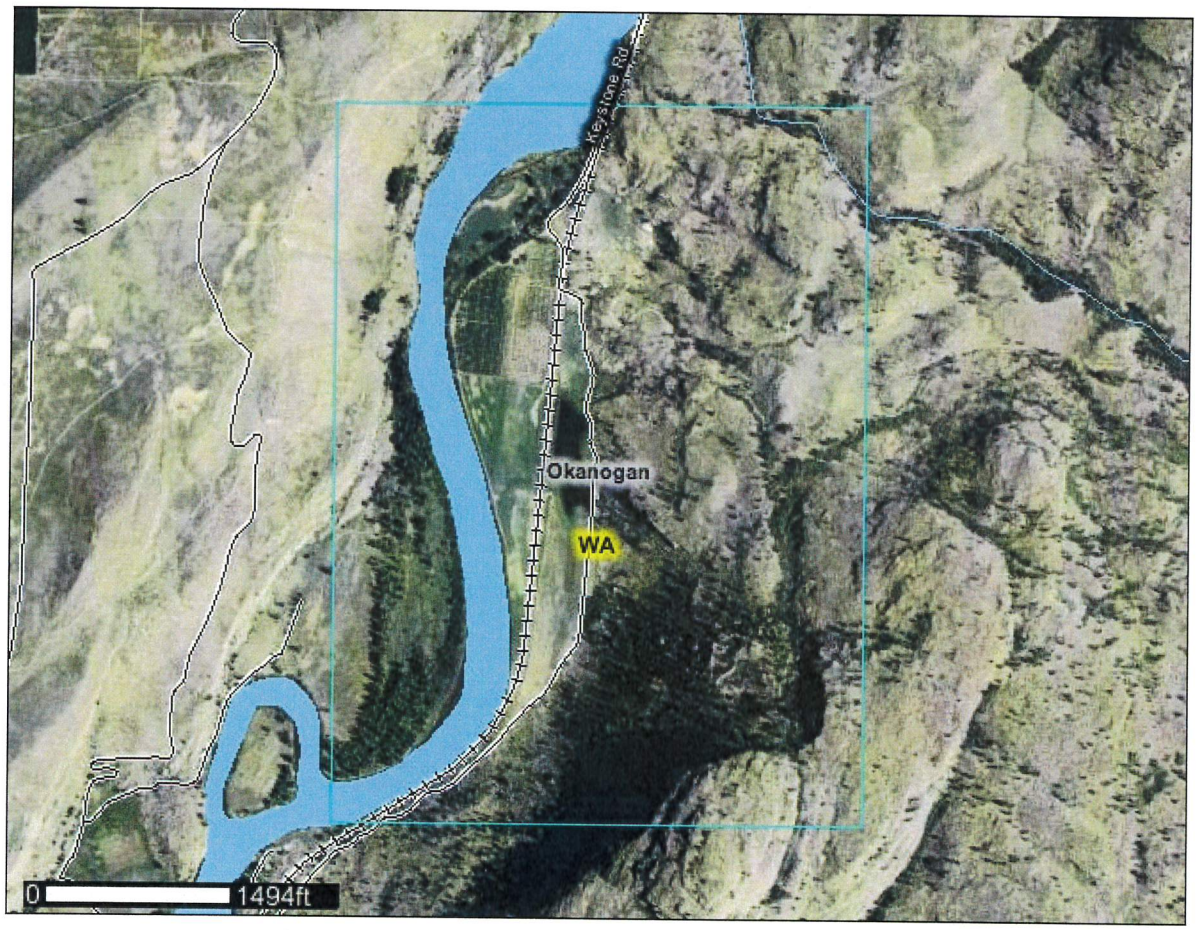
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Okanogan County Area, Washington



October 27, 2011

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://soils.usda.gov/sqi/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (http://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://soils.usda.gov/contact/state_offices/).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Soil Data Mart Web site or the NRCS Web Soil Survey. The Soil Data Mart is the data storage site for the official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means

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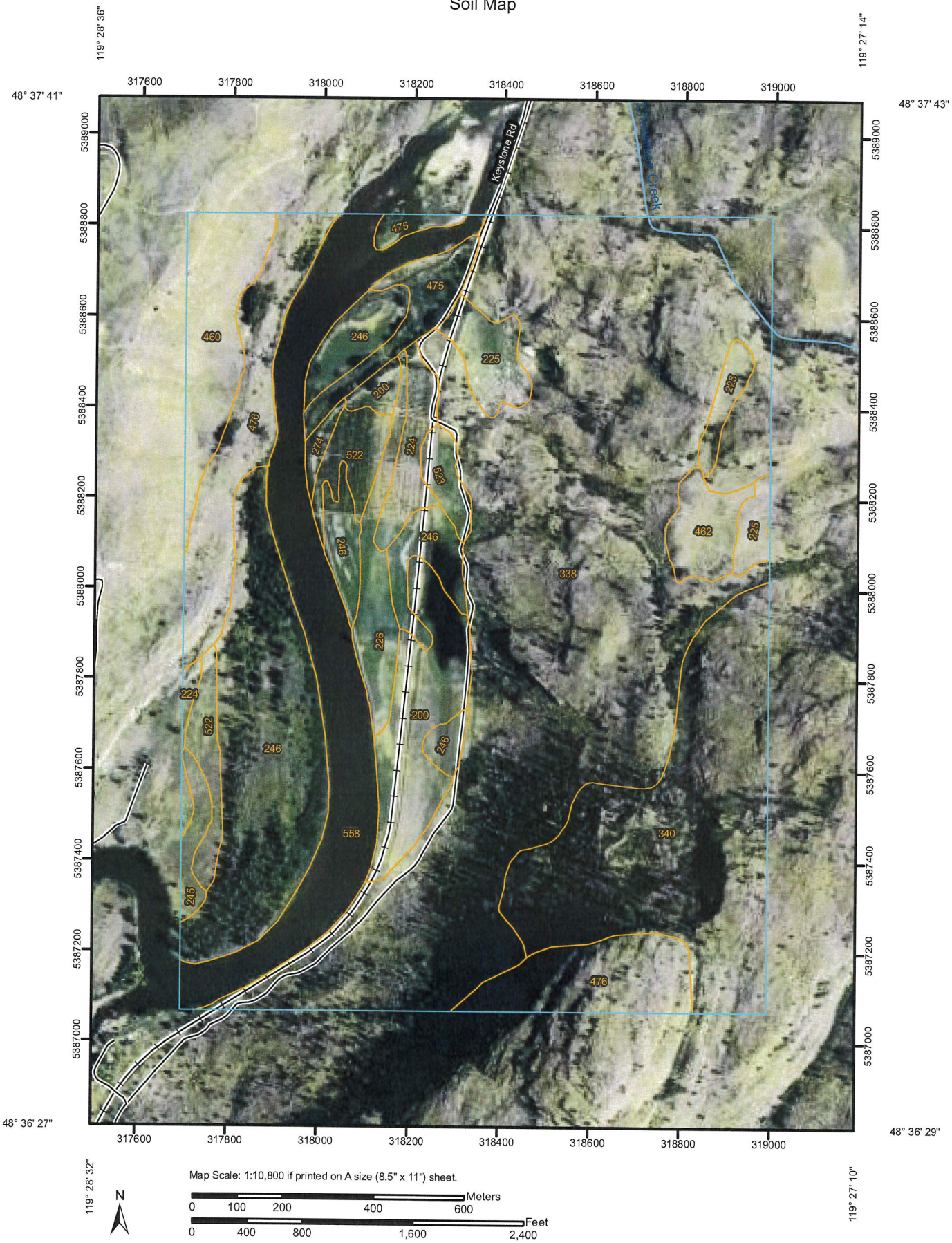
Contents

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features
- Cities

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

MAP INFORMATION

Map Scale: 1:10,800 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 11N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Okanogan County Area, Washington
Survey Area Data: Version 6, Jul 16, 2010

Date(s) aerial images were photographed: 7/1/2006

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Okanogan County Area, Washington (WA649)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
200	Aeneas fine sandy loam, 0 to 3 percent slopes	22.7	4.0%
224	Cashmere fine sandy loam, 0 to 3 percent slopes	8.8	1.6%
225	Cashmere fine sandy loam, 3 to 8 percent slopes	13.9	2.5%
226	Cashmere fine sandy loam, 8 to 15 percent slopes	10.2	1.8%
245	Colville silt loam, 0 to 3 percent slopes	3.6	0.6%
246	Colville silt loam, moderately wet, 0 to 3 percent slopes	67.7	12.0%
274	Ewall loamy fine sand, 0 to 15 percent slopes	1.7	0.3%
338	Lithic Haploxerepts-Cashmont complex, 15 to 45 percent slopes	217.6	38.7%
340	Lithic Haploxerepts-Donavan-Rock outcrop complex, 15 to 45 percent slopes	70.3	12.5%
460	Pogue gravelly fine sandy loam, 25 to 65 percent slopes, extremely stony	18.6	3.3%
462	Pogue gravelly fine sandy loam, 8 to 25 percent slopes	7.7	1.4%
475	Riverwash	10.9	1.9%
476	Rock outcrop	41.1	7.3%
522	Tonasket silt loam, 0 to 3 percent slopes	12.0	2.1%
523	Tonasket silt loam, 3 to 8 percent slopes	3.9	0.7%
558	Water	51.1	9.1%
Totals for Area of Interest		**561.7**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be

made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Okanogan County Area, Washington

200—Aeneas fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 700 to 1,600 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 190 days

Map Unit Composition

Aeneas and similar soils: 90 percent
Minor components: 10 percent

Description of Aeneas

Setting

Landform: Outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Glacial outwash

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 21 to 36 inches to strongly contrasting textural stratification
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 3.5 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability (nonirrigated): 3e
Ecological site: SANDY 10-16 PZ (R008XY501WA)

Typical profile

0 to 2 inches: Fine sandy loam
2 to 8 inches: Fine sandy loam
8 to 16 inches: Fine sandy loam
16 to 26 inches: Fine sandy loam
26 to 30 inches: Loamy sand
30 to 60 inches: Sand

Minor Components

Cashmere

Percent of map unit: 5 percent

Ewall

Percent of map unit: 5 percent

224—Cashmere fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 700 to 2,200 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 190 days

Map Unit Composition

Cashmere and similar soils: 85 percent
Minor components: 15 percent

Description of Cashmere

Setting

Landform: Outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Glaciofluvial deposits

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.9 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability (nonirrigated): 3e
Ecological site: DRY LOAMY 10-16 PZ (R008XY101WA)

Typical profile

0 to 2 inches: Fine sandy loam
2 to 8 inches: Fine sandy loam
8 to 25 inches: Fine sandy loam
25 to 44 inches: Fine sandy loam
44 to 60 inches: Loamy fine sand

Minor Components

Aeneas

Percent of map unit: 5 percent

Cashmont

Percent of map unit: 5 percent

Okanogan
Percent of map unit: 5 percent

225—Cashmere fine sandy loam, 3 to 8 percent slopes

Map Unit Setting
Elevation: 700 to 2,200 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 190 days

Map Unit Composition
Cashmere and similar soils: 85 percent
Minor components: 15 percent

Description of Cashmere

Setting
Landform: Outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Glaciofluvial deposits

Properties and qualities
Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.9 inches)

Interpretive groups
Land capability classification (irrigated): 3e
Land capability (nonirrigated): 3e
Ecological site: DRY LOAMY 10-16 PZ (R008XY101WA)

Typical profile
0 to 2 inches: Fine sandy loam
2 to 8 inches: Fine sandy loam
8 to 25 inches: Fine sandy loam
25 to 44 inches: Fine sandy loam
44 to 60 inches: Loamy fine sand

Minor Components

Aeneas
Percent of map unit: 5 percent

Cashmont
Percent of map unit: 5 percent

Okanogan
Percent of map unit: 5 percent

226—Cashmere fine sandy loam, 8 to 15 percent slopes

Map Unit Setting
Elevation: 700 to 2,200 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 190 days

Map Unit Composition
Cashmere and similar soils: 85 percent
Minor components: 15 percent

Description of Cashmere

Setting
Landform: Outwash terraces
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Glaciofluvial deposits

Properties and qualities
Slope: 8 to 15 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.9 inches)

Interpretive groups
Land capability classification (irrigated): 4e
Land capability (nonirrigated): 3e
Ecological site: DRY LOAMY 10-16 PZ (R008XY101WA)

Typical profile
0 to 2 inches: Fine sandy loam
2 to 8 inches: Fine sandy loam
8 to 25 inches: Fine sandy loam
25 to 44 inches: Fine sandy loam
44 to 60 inches: Loamy fine sand

Minor Components

Aeneas
Percent of map unit: 5 percent

Cashmont
Percent of map unit: 5 percent

Tonasket
Percent of map unit: 5 percent

245—Colville silt loam, 0 to 3 percent slopes

Map Unit Setting
Elevation: 1,400 to 4,000 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 45 to 47 degrees F
Frost-free period: 100 to 120 days

Map Unit Composition
Colville, poorly drained, and similar soils: 100 percent

Description of Colville, Poorly Drained

Setting
Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Properties and qualities
Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: About 12 to 30 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline to very slightly saline (1.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water capacity: High (about 11.9 inches)

Interpretive groups
Land capability classification (irrigated): 6w
Land capability (nonirrigated): 6w
Ecological site: WET MEADOW 16-24 PZ (R044XY601WA)

Typical profile
0 to 4 inches: Silt loam

4 to 9 inches: Silt loam
9 to 17 inches: Silty clay loam
17 to 21 inches: Silt loam
21 to 33 inches: Silty clay loam
33 to 43 inches: Silty clay loam
43 to 60 inches: Silty clay loam

246—Colville silt loam, moderately wet, 0 to 3 percent slopes

Map Unit Setting

Elevation: 1,400 to 3,000 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 45 to 47 degrees F
Frost-free period: 100 to 120 days

Map Unit Composition

Colville, somewhat poorly drained, and similar soils: 100 percent

Description of Colville, Somewhat Poorly Drained

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread
Parent material: Alluvium

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: About 36 to 48 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline to very slightly saline (1.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water capacity: High (about 11.9 inches)

Interpretive groups

Land capability classification (irrigated): 3w
Land capability (nonirrigated): 3w
Ecological site: WET MEADOW 16-24 PZ (R044XY601WA)

Typical profile

0 to 4 inches: Silt loam
4 to 9 inches: Silt loam
9 to 17 inches: Silty clay loam
17 to 21 inches: Silt loam
21 to 33 inches: Silty clay loam
33 to 43 inches: Silty clay loam
43 to 60 inches: Silty clay loam

274—Ewall loamy fine sand, 0 to 15 percent slopes

Map Unit Setting

Elevation: 700 to 3,000 feet
Mean annual precipitation: 11 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 110 to 140 days

Map Unit Composition

Ewall and similar soils: 80 percent
Minor components: 20 percent

Description of Ewall

Setting

Landform: Terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Glacial outwash and eolian sands

Properties and qualities

Slope: 0 to 15 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 to 99.90 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability (nonirrigated): 4s
Ecological site: SANDS 10-16 PZ (R008XY502WA)

Typical profile

0 to 2 inches: Loamy fine sand
2 to 7 inches: Loamy fine sand
7 to 15 inches: Loamy fine sand
15 to 26 inches: Sand
26 to 60 inches: Sand

Minor Components

Skaha

Percent of map unit: 10 percent
Landform: Terraces
Landform position (three-dimensional): Tread, riser

Cashmere

Percent of map unit: 5 percent
Landform: Terraces
Landform position (three-dimensional): Riser, tread

Aeneas

Percent of map unit: 5 percent
Landform: Terraces
Landform position (three-dimensional): Riser, tread

338—Lithic Haploxerepts-Cashmont complex, 15 to 45 percent slopes

Map Unit Setting

Elevation: 700 to 3,000 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 190 days

Map Unit Composition

Lithic haploxerepts, range, and similar soils: 45 percent
Cashmont, extremely stony surface, and similar soils: 30 percent
Minor components: 25 percent

Description of Lithic Haploxerepts, Range

Setting

Landform: Hills
Parent material: Volcanic ash or mixed volcanic ash (4 to 12 inches thick) over colluvium and residuum

Properties and qualities

Slope: 15 to 45 percent
Depth to restrictive feature: 8 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 2.6 inches)

Interpretive groups

Land capability (nonirrigated): 7e
Ecological site: VERY SHALLOW 10-16 PZ (R008XY301WA)

Typical profile

0 to 3 inches: Cobbly ashy sandy loam
3 to 12 inches: Cobbly ashy sandy loam
12 to 18 inches: Very gravelly sandy loam
18 to 22 inches: Unweathered bedrock

Description of Cashmont, Extremely Stony Surface

Setting

Landform: Outwash terraces on hills
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Glaciofluvial deposits

Properties and qualities

Slope: 15 to 45 percent
Surface area covered with cobbles, stones or boulders: 9.0 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.9 inches)

Interpretive groups

Land capability (nonirrigated): 7e
Ecological site: SANDY 10-16 PZ (R008XY501WA)

Typical profile

0 to 3 inches: Sandy loam
3 to 8 inches: Sandy loam, sandy loam
8 to 23 inches: Gravelly sandy loam
23 to 60 inches: Gravelly sandy loam

Minor Components

Rock outcrop

Percent of map unit: 10 percent

Donavan

Percent of map unit: 5 percent

Vallan

Percent of map unit: 5 percent

Conconully

Percent of map unit: 5 percent

340—Lithic Haploxerepts-Donavan-Rock outcrop complex, 15 to 45 percent slopes

Map Unit Setting

Elevation: 1,500 to 4,500 feet
Mean annual precipitation: 15 to 18 inches

Mean annual air temperature: 42 to 44 degrees F
Frost-free period: 110 to 140 days

Map Unit Composition

Lithic haploxerepts, range, and similar soils: 35 percent
Donavan, extremely stony surface, and similar soils: 30 percent
Rock outcrop: 20 percent
Minor components: 15 percent

Description of Lithic Haploxerepts, Range

Setting

Landform: Mountains
Landform position (two-dimensional): Summit, shoulder, backslope
Landform position (three-dimensional): Center third of mountainflank, mountaintop, upper third of mountainflank
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Volcanic ash or mixed volcanic ash (4 to 12 inches thick) over colluvium and residuum

Properties and qualities

Slope: 15 to 45 percent
Depth to restrictive feature: 8 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 2.6 inches)

Interpretive groups

Land capability (nonirrigated): 7e
Ecological site: VERY SHALLOW 10-16 PZ (R008XY301WA)

Typical profile

0 to 3 inches: Cobbly ashy sandy loam
3 to 12 inches: Cobbly ashy sandy loam
12 to 18 inches: Very gravelly sandy loam
18 to 22 inches: Unweathered bedrock

Description of Donavan, Extremely Stony Surface

Setting

Landform: Mountains
Landform position (two-dimensional): Toeslope, backslope, footslope
Landform position (three-dimensional): Mountainflank, mountainbase, side slope, base slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed volcanic ash (12 to 18 inches thick) over glacial till

Properties and qualities

Slope: 15 to 45 percent
Surface area covered with cobbles, stones or boulders: 9.0 percent
Depth to restrictive feature: 20 to 40 inches to dense material
Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 4.4 inches)

Interpretive groups

Land capability (nonirrigated): 7e
Other vegetative classification: ponderosa pine/bluebunch wheatgrass (CPG141)

Typical profile

0 to 1 inches: Slightly decomposed plant material
1 to 7 inches: Ashy loam
7 to 11 inches: Gravelly ashy loam
11 to 16 inches: Gravelly ashy sandy loam
16 to 27 inches: Gravelly sandy loam
27 to 34 inches: Gravelly sandy loam
34 to 60 inches: Gravelly sandy loam

Description of Rock Outcrop

Properties and qualities

Slope: 15 to 45 percent
Depth to restrictive feature: 0 inches to lithic bedrock

Interpretive groups

Land capability (nonirrigated): 8

Typical profile

0 to 60 inches: Unweathered bedrock

Minor Components

Conconully

Percent of map unit: 5 percent

Peka

Percent of map unit: 5 percent

Molson

Percent of map unit: 3 percent

Vallan

Percent of map unit: 2 percent

460—Pogue gravelly fine sandy loam, 25 to 65 percent slopes, extremely stony

Map Unit Setting

Elevation: 700 to 2,200 feet

Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 190 days

Map Unit Composition
Pogue, extremely stony surface, and similar soils: 85 percent
Minor components: 15 percent

Description of Pogue, Extremely Stony Surface

Setting
Landform: Outwash terraces
Landform position (three-dimensional): Riser
Down-slope shape: Concave, convex
Across-slope shape: Concave, convex
Parent material: Loess over glacial outwash

Properties and qualities
Slope: 25 to 65 percent
Surface area covered with cobbles, stones or boulders: 9.0 percent
Depth to restrictive feature: 20 to 40 inches to strongly contrasting textural stratification
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 3.2 inches)

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: SANDY 10-16 PZ (R008XY501WA)

Typical profile
0 to 6 inches: Gravelly fine sandy loam
6 to 12 inches: Gravelly fine sandy loam
12 to 29 inches: Gravelly fine sandy loam
29 to 60 inches: Very gravelly sand

Minor Components

Cashmont, stx-surface
Percent of map unit: 10 percent

Cashmere
Percent of map unit: 5 percent

462—Pogue gravelly fine sandy loam, 8 to 25 percent slopes

Map Unit Setting
Elevation: 700 to 2,200 feet
Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 190 days

Map Unit Composition
Pogue and similar soils: 80 percent
Minor components: 20 percent

Description of Pogue

Setting
Landform: Outwash terraces
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loess over glacial outwash

Properties and qualities
Slope: 8 to 25 percent
Depth to restrictive feature: 20 to 40 inches to strongly contrasting textural stratification
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 3.2 inches)

Interpretive groups
Land capability classification (irrigated): 6e
Land capability (nonirrigated): 4e
Ecological site: SANDY 10-16 PZ (R008XY501WA)

Typical profile
0 to 6 inches: Gravelly fine sandy loam
6 to 12 inches: Gravelly fine sandy loam
12 to 29 inches: Gravelly fine sandy loam
29 to 60 inches: Very gravelly sand

Minor Components

Owhi, gravelly
Percent of map unit: 10 percent

Cashmont, gravelly
Percent of map unit: 10 percent

475—Riverwash

Map Unit Composition
Riverwash: 100 percent

Description of Riverwash

Properties and qualities

Slope: 0 to 3 percent
Depth to water table: About 0 to 24 inches
Frequency of flooding: Frequent

Interpretive groups

Land capability (nonirrigated): 8

Typical profile

0 to 60 inches: Stratified sand to extremely cobbly sand

476—Rock outcrop

Map Unit Composition

Rock outcrop: 100 percent

Description of Rock Outcrop

Properties and qualities

Slope: 0 to 90 percent
Depth to restrictive feature: 0 inches to lithic bedrock

Interpretive groups

Land capability (nonirrigated): 8

Typical profile

0 to 60 inches: Unweathered bedrock

522—Tonasket silt loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 800 to 2,000 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 190 days

Map Unit Composition

Tonasket and similar soils: 85 percent
Minor components: 15 percent

Description of Tonasket

Setting

Landform: Lake terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Glaciolacustrine deposits

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water capacity: High (about 10.8 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability (nonirrigated): 3s
Ecological site: DRY LOAMY 10-16 PZ (R008XY101WA)

Typical profile

0 to 8 inches: Silt loam
8 to 15 inches: Silt loam
15 to 28 inches: Silt loam
28 to 41 inches: Stratified fine sand to silt loam
41 to 65 inches: Stratified fine sand to silt loam

Minor Components

Okanogan

Percent of map unit: 5 percent

Ewall

Percent of map unit: 5 percent

Cashmere

Percent of map unit: 5 percent

523—Tonasket silt loam, 3 to 8 percent slopes

Map Unit Setting

Elevation: 800 to 2,000 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 190 days

Map Unit Composition

Tonasket and similar soils: 85 percent
Minor components: 15 percent

Description of Tonasket

Setting

Landform: Lake terraces

Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Glaciolacustrine deposits

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water capacity: High (about 10.8 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability (nonirrigated): 3s
Ecological site: DRY LOAMY 10-16 PZ (R008XY101WA)

Typical profile

0 to 8 inches: Silt loam
8 to 15 inches: Silt loam
15 to 28 inches: Silt loam
28 to 41 inches: Stratified fine sand to silt loam
41 to 65 inches: Stratified fine sand to silt loam

Minor Components

Cashmere

Percent of map unit: 5 percent

Ewall

Percent of map unit: 5 percent

Okanogan

Percent of map unit: 5 percent

558—Water

Map Unit Composition

Water: 100 percent

Description of Water

Interpretive groups

Land capability (nonirrigated): 8

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Appendix F: Site Photographs

Photo F-1: View to the northwest from the south end of the Property showing the adjacent Okanogan River and property beyond.

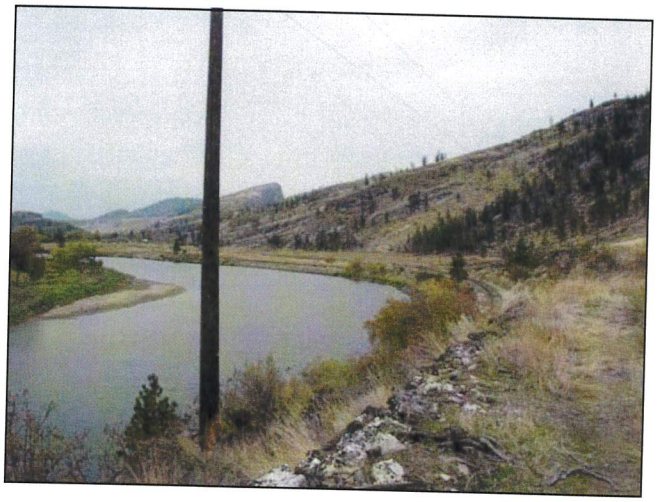

Photo F-2: View to the north from the south end of the Property looking along the river and the west side of the site.

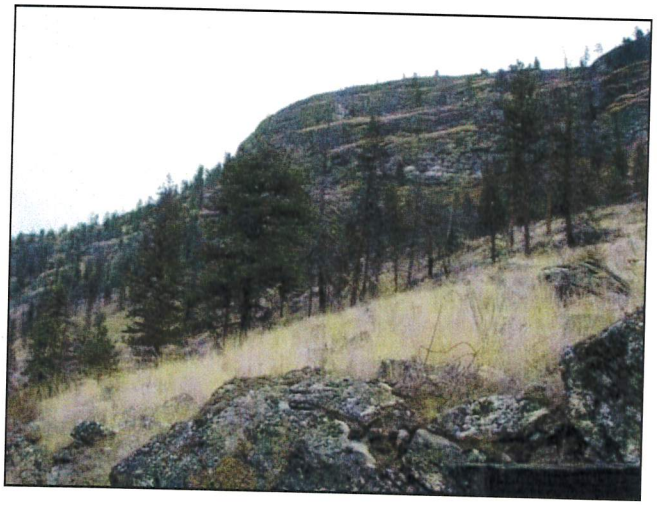

Photo F-3: View to the northeast south end of the Property.

Photo F-4: View to the east from the south end of the Property looking along the south side of the site.

Photo F-5: View to the east from the west side of the island portion of the site, in the northwest part of the Property.

Photo F-6: View to the northwest from the west side of the island portion of the Property.

Photo F-7: View to the south from the northwest corner the Property.

Photo F-8: View to southeast from the northwest corner of the Property.

Photo F-9: View to the east from the northwest corner of the Property.

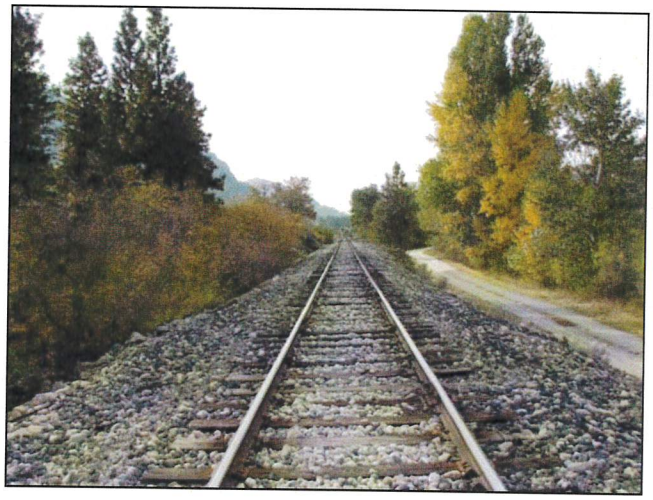

Photo F- 10: View to the south-southwest from the north edge of the Property looking along the railroad tracks that run through the length of the site.

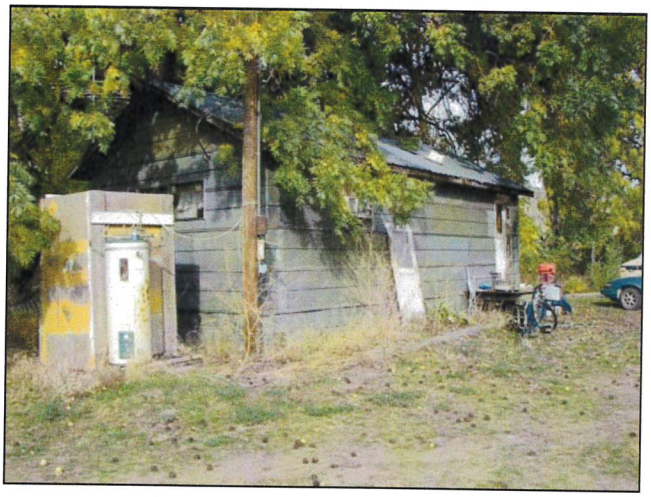

Photo F-11: View to the north of the small house located near the north end of the orchard.

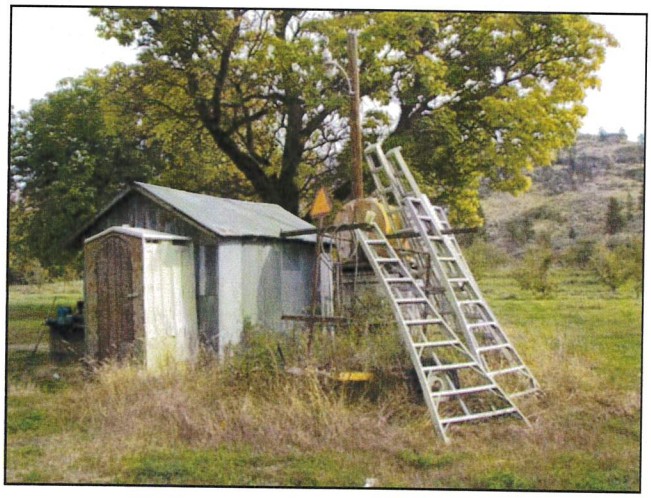

Photo F- 12: View to the northeast of the small pesticide shed located north of the orchard and near the small house shown above.

Photo F-13: View to south and showing the workbench along the south side of the pesticide shed.

Photo F-14: View of a 5-gallon bucket, labeled as Universal Gear Lubricant, and associated soil staining. This is at the west end of the workbench shown above.

Photo F-15: View an orchard heater that is parked directly in front of the pesticide shed. There is oil staining from the heater on the concrete pad and in the gravel off to the right.

Photo F-16: View of the interior of the pesticide shed and showing a bottle of glyphosate, an herbicide.

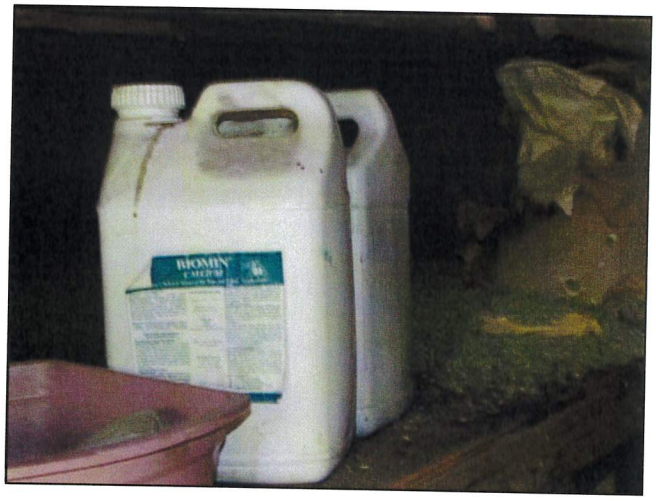

Photo F-17: Another photo from the inside of the pesticide shed.

Photo F-18: View of one of several drums observed on the Property. This one is located in the vicinity of the pesticide shed and small house. The contents are unknown and the drum was not labeled.

Photo F-19: View to north looking into one of the two barns on the Property; this one is located at the north end of the east pasture.

Photo F-20: View to the east showing the front side of the main residence on the Property.

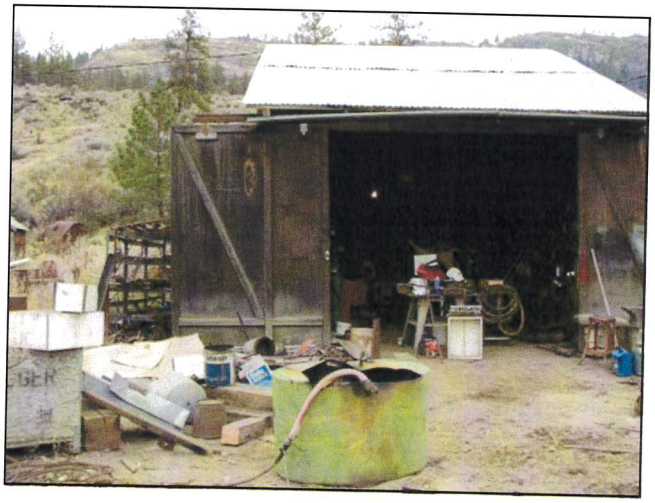

Photo F-21: View to the southeast showing the front side of the small shop on the Property.

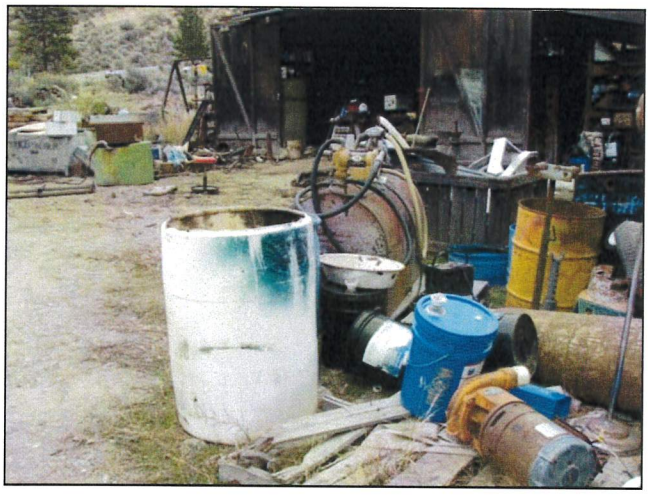

Photo F-22: This photo shows an AST, buckets, batteries and other items observed near the shop. This AST has two pumps and appeared to currently be in use.

Photo F-23: View to west from the front of the shop.

Photo F-24: View to the north from the front of the shop.

Photo F-25: View to the east from the front of the shop.

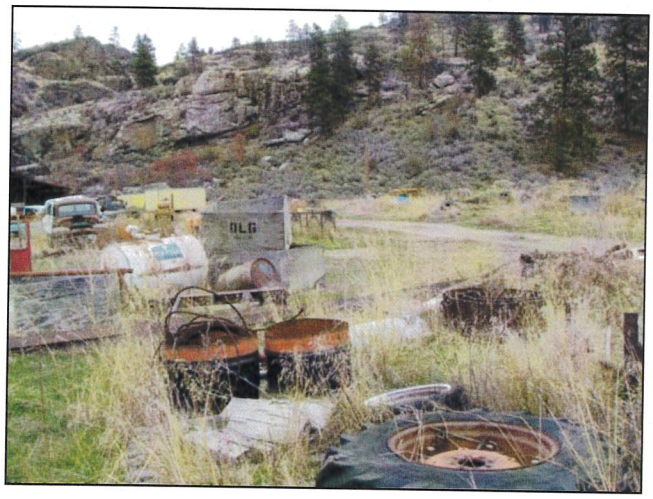

Photo F-26: View to east from the south-central part of the bone yard.

Photo F-27: View to the north from the south-central part of the bone yard.

Photo F-28: View to the west from the south-central part of the bone yard.

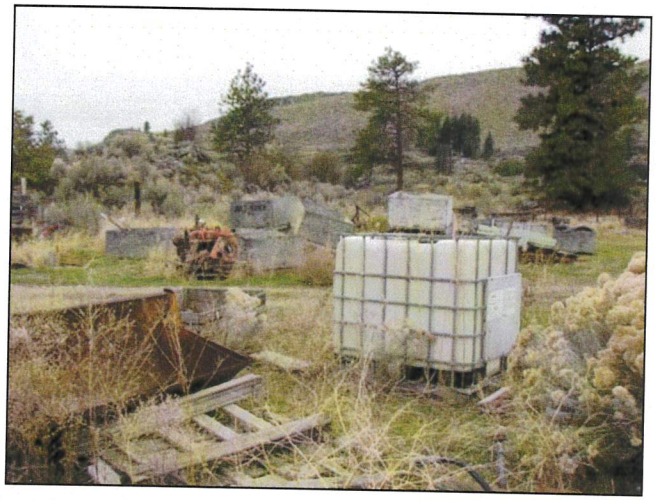

Photo F-29: View to southwest from the south-central part of the bone yard.

Photo F-30: View to the south from the south-central part of the bone yard.

Photo F-31: View to the east from the southwest part of the bone yard.

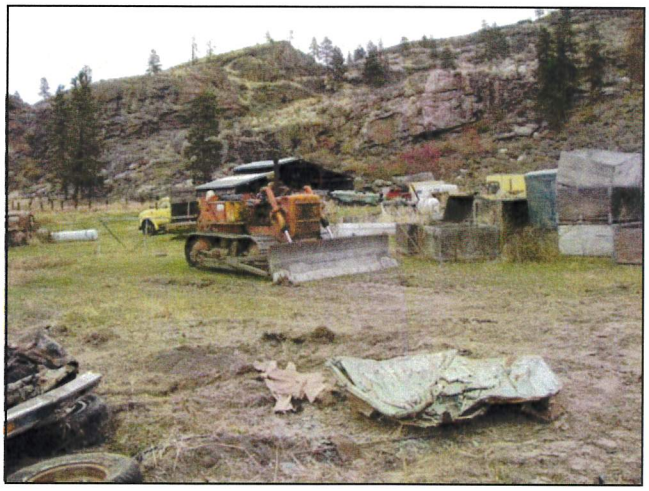

Photo F-32: View to northeast from the southwest part of the bone yard.

Photo F-33: View to the north from the southwest part of the bone yard.

Photo F-34: View to the northwest from the southwest part of the bone yard.

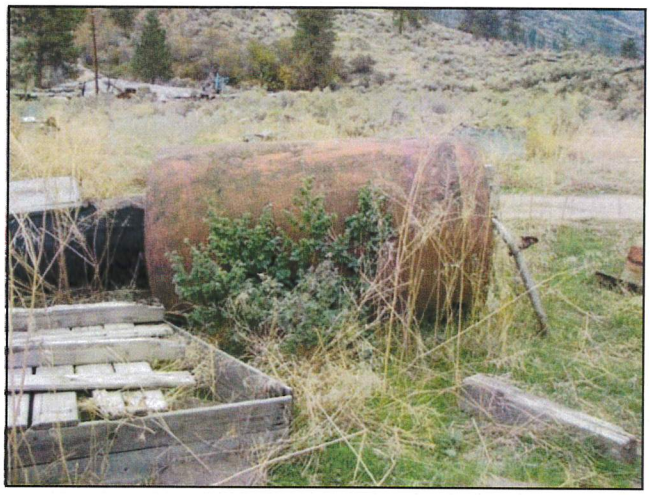

Photo F-35: This photo is of one of the tanks observed in the bone yard area; this one appeared to be empty.

Photo F-36: This photo is of two 40-gallon side-mounted fuel tanks observed in the bone yard area; neither appeared to be empty.

Photo F-37: This photo is of a mounted engine and fuel tank that appears to have had some leaking that was observed in the bone yard area.

Photo F-38: Several junked vehicles were observed in the southeast part of the bone yard that were partially buried by gravel and dirt from a flashflood in 2010.

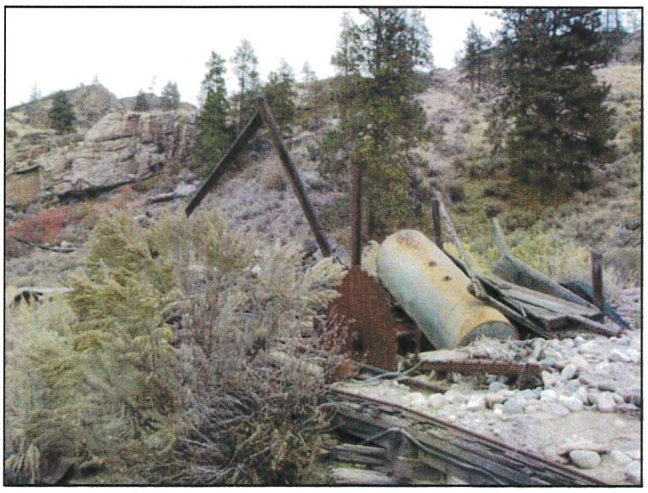

Photo F-39: This photo is showing some other equipment that was partially buried by the debris from the flashflood.

Photo F-40: This photo is showing more of the impact of the flashflood in the southeast part of the bone yard.

Photo F-41: Several fuel tanks were observed in the bone yard area; these lie along the east side of the bone yard, near the barn.

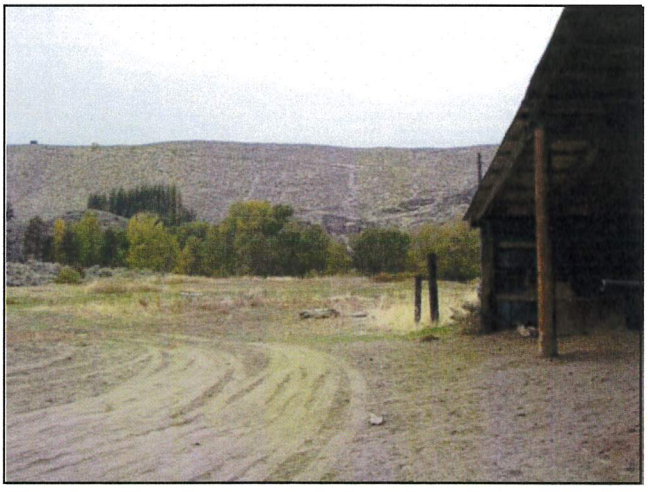

Photo F-42: View to the northwest from the front side of the barn that is located along the east side of the bone yard and the east side of the Property line.