

This form is the **User Questionnaire**, as defined and required by ASTM E1527-13. The **User** is the party seeking to rely on the Phase I Environmental Site Assessment; this is typically **not** the current property owner. The User's responses to these questions are an important element to meeting the all appropriate inquiry rule. It is acceptable to write "Do not know."

PROPERTY ADDRESS: Five tax parcels near Road 3 Northeast, Moses Lake, Washington

FORM COMPLETED BY: Brian Thoreson

RELATIONSHIP TO PROPERTY: Buyer representative

QUESTIONNAIRE

Please complete this information to the best of your knowledge.

1. Are you aware of any environmental cleanup liens against the property that are filed under federal, tribal, state, or local law? Yes No (If yes, summarize below.)

2. Are you aware of any activity and land use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls in place at the site and/or filed or recorded in a registry under federal, tribal, state, or local law? Yes No (If yes, summarize below.)

3. As the User of this environmental site assessment, do you have any specialized knowledge or experience related to the property or nearby properties? 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 you would have specialized knowledge of the chemicals and processes used by that type of business?

No.

4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property?
 Yes No

If you conclude that there is a difference from fair market value, is the lower price because contamination is known or believed to be present at the property?

5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional (EP) identify conditions indicative of releases or threatened releases?

For example:

Do you know the past uses of the property? Vacant.

Do you know of specific chemicals that are present or once present at the property? No.

Do you know of any spills or other chemical releases that have taken place at the property? No.

Do you know of any environmental cleanups that have taken place at the property? No.

Any other environmentally significant information? No.

6. 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?

No.

Signature:

B.Th

Date:

8/3/2020

Please Print Name:

Brian Thoreson

Title:

Land Development Manager

Company (if applicable):

Hayden Homes, LLC.

5. ADDITIONAL INFORMATION

Please provide any additional information regarding your property that might be relevant to our study, below:

None

The undersigned represents that the information given in this questionnaire is accurate and complete to the best of his or her knowledge.

John Enright
Signature

John Enright
Name (Please print)

5 Aug 2020
Date

San Ronch LLC
Representing (company name)

3. PROPERTY CONDITIONS

Are you aware of any of the following conditions associated with your property? Please check (X) the appropriate column and provide explanatory information under "Notes."

Uses/Features	Your Property
a. Are there any environmental liens or property-use limitations such as deed restrictions?	None
b. Has the property's purchase price been devalued due to environmental conditions?	No
c. Have there been any past or recurrent violations of environmental laws with respect to the property or any facility located on the property, resulting in governmental notification?	No
d. Have there been environmental assessments completed previously?	No
e. Are there any pending, threatened or past lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substances or petroleum products on the property?	No
Notes. Section 3 (please list question letter.) 	

4. PREVIOUS STUDIES AND OTHER DOCUMENTS

Are you aware of previous environmental studies or other documents associated with the property? Please check (X) the column next to any applicable study or document, and provide explanatory information under "Notes."

Previous Studies and Other Documents	Your Property
a. Environmental permits (e.g., solid waste disposal, hazardous waste generation, wastewater disposal permits, stormwater permits)	None
b. Geotechnical studies	None
c. Hazardous waste generator reports	None
d. Hydrogeologic reports	None
e. Notices or correspondence from governmental agencies (past or current violations of environmental laws)	None
f. Prior asbestos survey or abatement reports	None
g. Prior environmental site assessment	None
h. Safety plans, preparedness and prevention plans, spill prevention plans	None
i. State or federal registrations for above-ground or under-ground storage tanks	None
Notes. Section 4 (please list question letter). 	

2. ENVIRONMENTAL INFORMATION

Has the property or any adjoining properties, presently or in the past, been associated with the following uses or features? Please check the appropriate column, and provide explanatory information under "Notes."

Uses/Features	Your Property	Adjoining Properties
a. Above-ground storage tanks	No	
b. Automobile repairs or maintenance	No	
c. Auto wrecking, scrap yard, or junk yard	No	
d. Commercial printing	No	
e. Dry-cleaning	No	
f. Fill dirt placement	YES	
g. Floor drains (interior) or catch basins (exterior) emitting foul odors	No	
h. Fueling	No	
i. Industrial use/manufacturing (please describe under "Notes," below)	NO	
j. Landfill	No	
k. Lumber mill	No	
l. Orchard or other agricultural use	No	
m. PCB-containing equipment	No	
n. Photo-developing	No	
o. Sand blasting	No	
p. Stained soils (other than from engine oil drips)	No	
q. Under-ground storage tanks	No	
r. Vent pipes or fill pipes	No	
s. Storage, burial or disposal of any of the following:		
Municipal waste	No	
Petroleum products	No	
Drums	No	
Tires	No	
Automotive or industrial batteries	No	
Pesticides	No	
Paints	No	
Hazardous materials (e.g., lead paint, asbestos)	No	
Hazardous chemicals (e.g., solvents, thinners, strippers)	No	
<p>Notes: Section 2 (please list question letter).</p>		



PROPERTY OWNER/REPRESENTATIVE QUESTIONNAIRE

Please complete, sign, and return the following questionnaire via email to angela.mcguire@pbsusa.com
Or by fax to: 866.727.0140 Attn: Angela McGuire
Or mail to: Attn: Angela McGuire, PBS Engineering and Environmental Inc., 400 Bradley Boulevard, Suite 106, Richland, WA 99352

The following information will help PBS Engineering and Environmental Inc. (PBS) conduct a more thorough investigation during our Phase I Environmental Site Assessment. Please answer the questions to the best of your ability and return the completed questionnaire at your earliest opportunity.

Where appropriate, please provide copies of citations, permits, maps, and other useful documents. If necessary, please use the space provided on page 4 to further explain "Yes" responses or to include information needed to clarify answers (please reference the question's heading number and associated letter).

1. BASIC PROPERTY INFORMATION

a. Property address: Grant County Tax Parcels near Road 3 Northeast

b. Name of person completing this questionnaire: John Enright

c. Are you the legal property owner? Yes If so, how long have you owned the property? 20 year
 No

d. If you are not the property owner, please provide the legal property owner's name and contact information, and describe your relationship to the property:

e. Please provide the previous property owner's name and contact information, if available:

Same @ Sullivan Estate

f. Please describe known historical uses of the property, including dates or years: 20 year

Pasture

g. Property utilities and services (if known)

Electricity:	<u>yes 3 PH 480V Rd 3</u>	Heating:	
Sewer:		Garbage:	
Stormwater:		Other:	

Appendix F

Questionnaires

Property Owner/Representative Questionnaire

Client/User Questionnaire

ADJACENT PROPERTIES

North: Agricultural/Residential

South: Agricultural/Residential

East: Residential

West: Agricultural + Pasture

Conditions of Concern on Adjacent Properties (e.g., USTs, ASTs, automobile repairs, industrial uses)

ASTs at property on SW, 12(ish) drums observed - contents unknown
Large amount of cars parked at N adjacent property

Visual Surveys	Observations	Samples?
<input checked="" type="checkbox"/> Not in Scope of Work		
Asbestos		
Lead-based paint		
Mold		
Other		

SITE SKETCH (or attach site plan/aerial that includes field notations)

USTs (approx. size and location; note associated pumps, fill ports, vent pipes)	—				
Drums (note locations, condition, contents, labeling, secondary containment, evidence of spills)	—				
Automobile repair/maintenance activities (note in-ground hoists, parts washers, stored batteries, stored engine blocks & other oily parts, lube pits, oil sumps)	—				
Stored chemicals, hazardous materials (e.g., 5-gallon buckets, pre-packaged retail containers; note condition, evidence of spills)	—				
Floor drains (note locations, stains, odors, chemical storage nearby)	—				
Oil-Water Separator (note location, cleaning schedule, if known)	—				
Solid waste (e.g., dumping, litter, refuse not in a dumpster or other appropriate receptacle)	windblown debris				
Pits, lagoons, other surface impoundments (artificial features; note unusual staining, odors)	—				
Other Features/Conditions	Yes	No	(if yes to these items, include more information under "Notes," below)	Yes	No
Dip tanks		X	Wetlands, ponds, lakes (natural features)		X
Landfills		X	Railroad spurs		X
Concrete patching (e.g., old hoists, tanks) <i>concrete pad</i>	X		Stressed vegetation (not due to dryness)		X
Discolored/stained soils		X	Remnant foundations		X
Disturbed soil (mounding, soil piles, scraped areas)	X		Buried utilities		X
Boreholes or Test Pits		X	Trails, dead end roads <i>Access Rds</i>	X	
Monitoring wells		X	Unusual odors		X
Dry wells		X	Transient camps		X
Fill material		X	Rivers, streams, creeks		X
Depressions		X	Wildlife, livestock <i>cow pies (old)</i>		X
Transformers (on-site only)		X	(Note location, whether pad/pole mounted, labels, condition, evidence of leakage) <i>prop. boundary</i>		
Is the property abandoned?		X	(if abandoned, interview neighbors)		
Other Conditions of Concern					
Notes:					



Project No.: 66256

Completed By: A. McBuire

Date: 8/10/20

Site Name/Address: Road 3 properties

Site Contact: Cody Fielding

Site Description (e.g., single-family residential, multi-tenant commercial):

5 vacant tax parcels

Tenant(s)/Occupant(s) None

Areas not accessed (state reasons): None

Weather at the time of site visit (e.g., overcast, heavy rain, snow):

Sunny, hot

Topography/Slope: Variable, steep slope on SE portion

SITE DEVELOPMENT

Building Descriptions (e.g., wood-frame residence, concrete tilt-up commercial) <i>NOTE: For multi-building sites, include individual addresses or building numbers.</i>	#Stories	Basement?
<input checked="" type="checkbox"/> No buildings on the subject property		
Exterior Features (e.g., paving, gravel, landscaping)		

UTILITIES

Heating (e.g., natural gas, oil, electricity)	—
Water (well or municipal) (if a water well is present, indicate location)	well (irrigation) at SE ^{prop} SE ^{boundary}
Sewer (municipal) or Septic (if a septic tank is present, note location)	None
Stormwater (note features such as detention ponds, catch basins, swales; note whether unusual odors or staining are present)	overland

SITE OBSERVATIONS

ASTs (approx. size and location; note secondary containment, evidence of leakage, spills)	None
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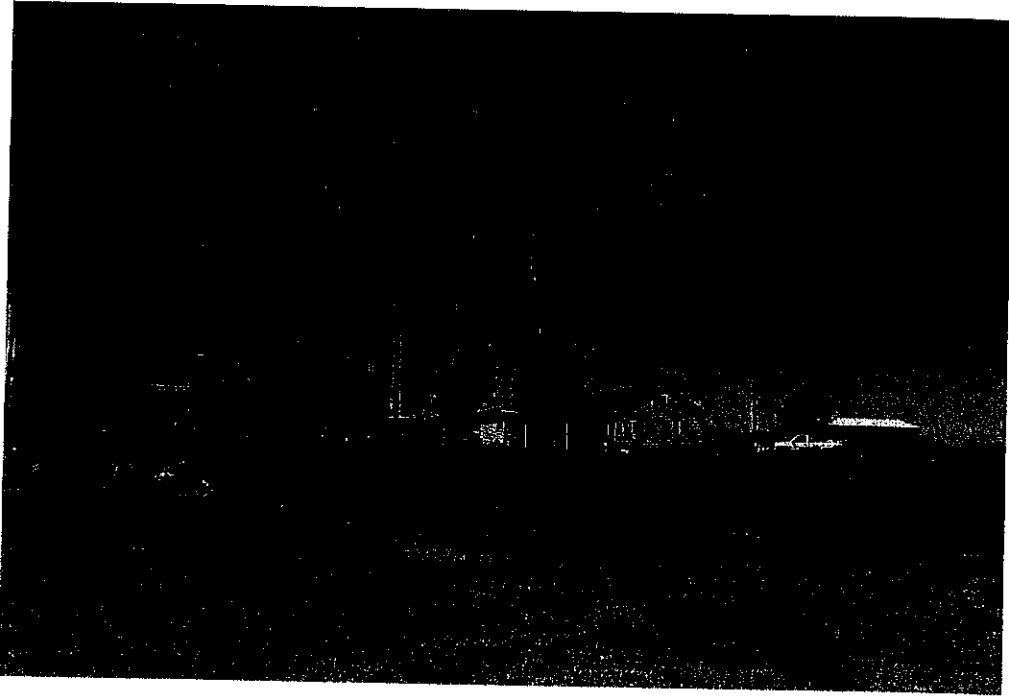


Photo 15. A residence location to the west of the subject property, as viewed from its southernmost tax parcel.

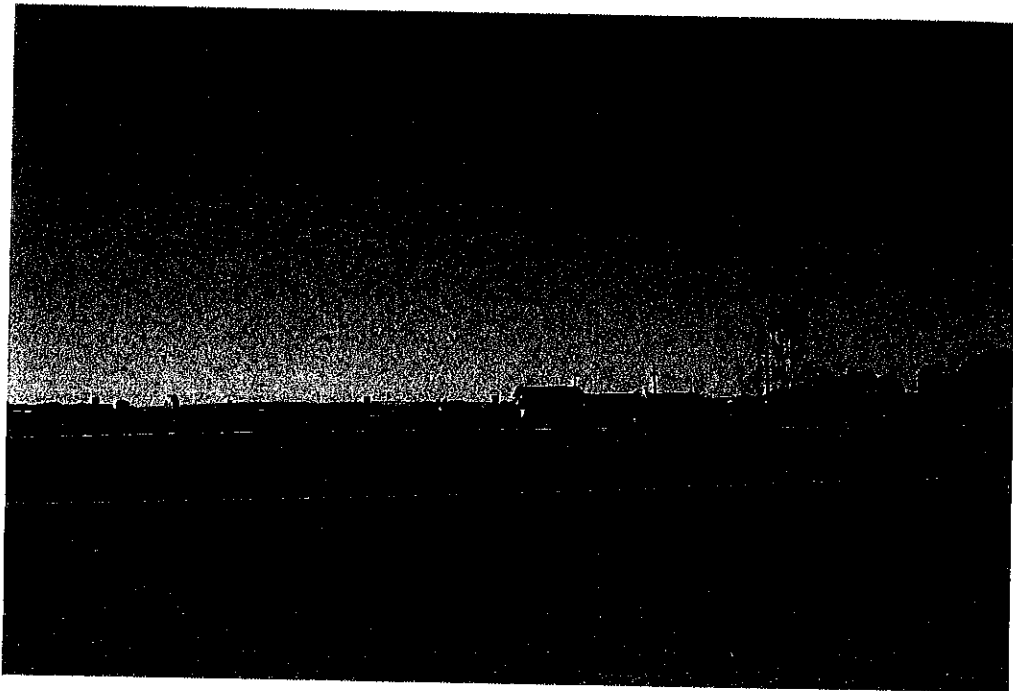


Photo 16. Looking south across Road 3 towards rural residences and agricultural fields at the south adjacent property.

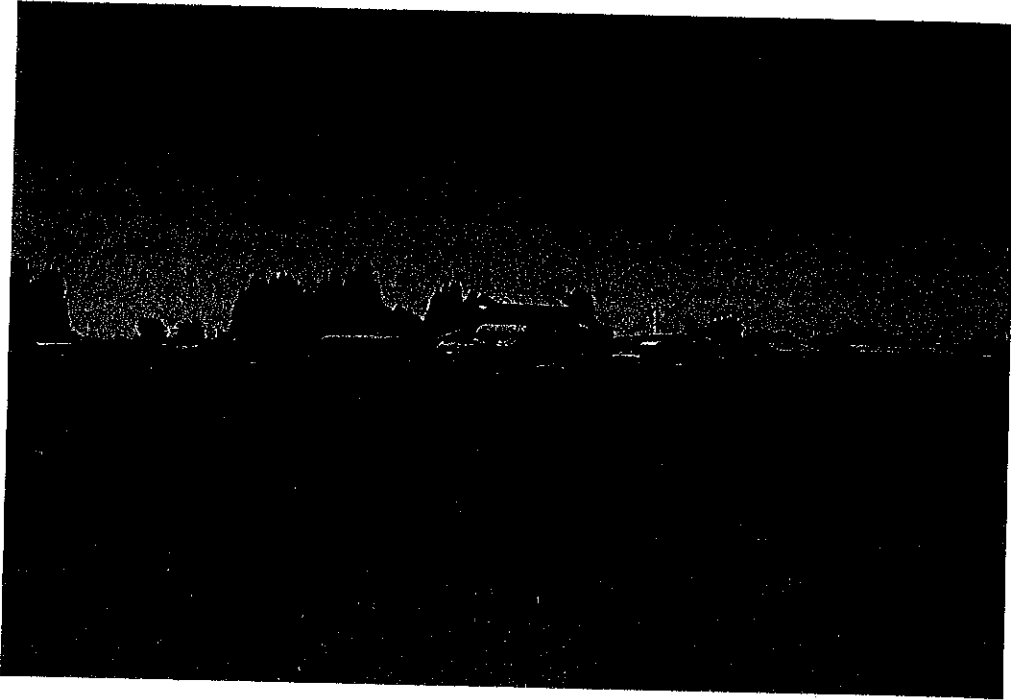


Photo 13. Above-ground storage tanks observed on the southwest adjacent property in association with farming operations.

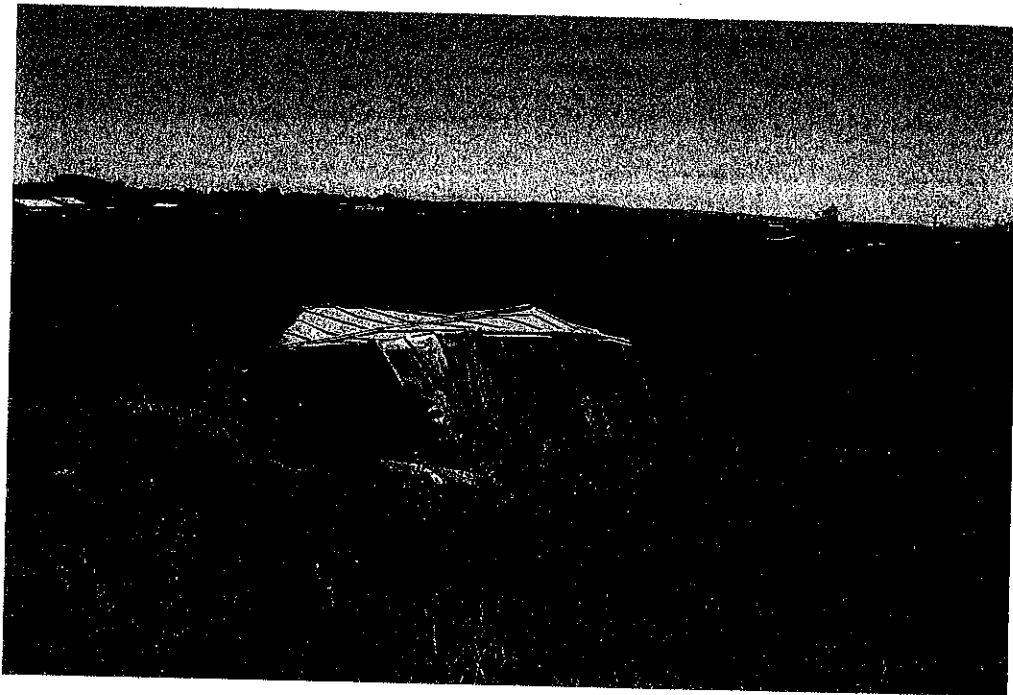


Photo 14. A discarded metal shed or storage container observed near the southwest of the subject property.

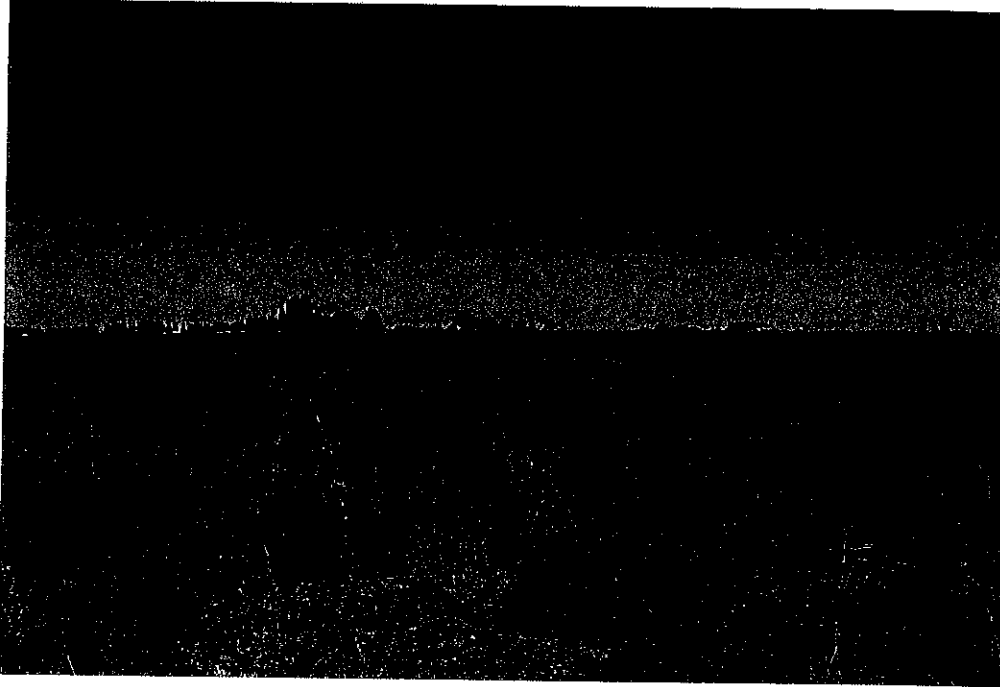


Photo 11. Looking north through the center of the subject property from its southern boundary.

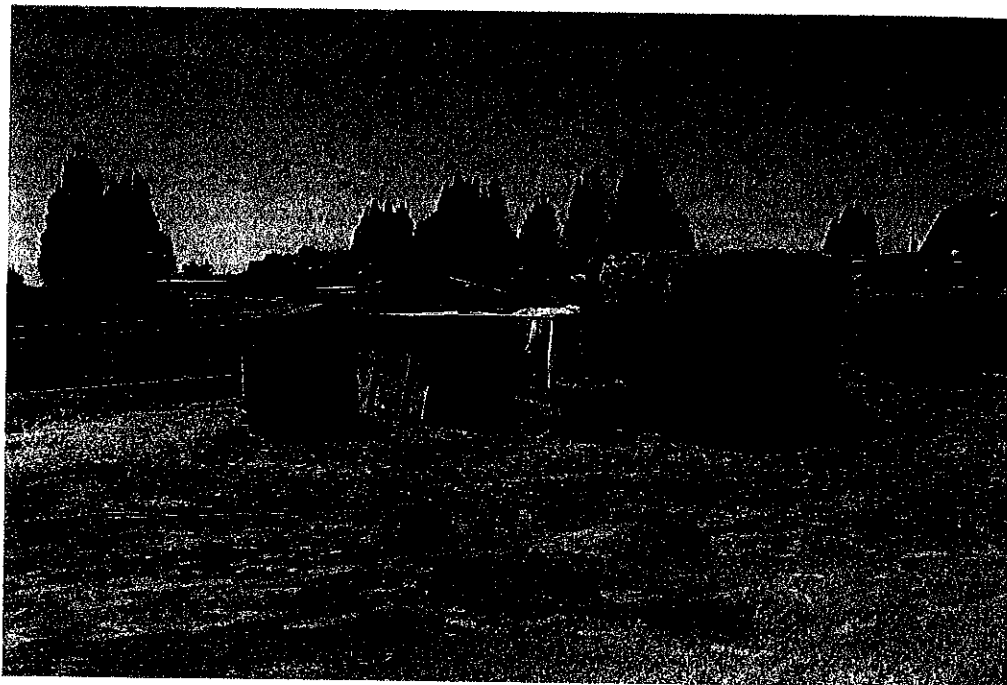


Photo 12. Presumed agricultural chemical containers on the southwest adjacent property in association with farming operations.

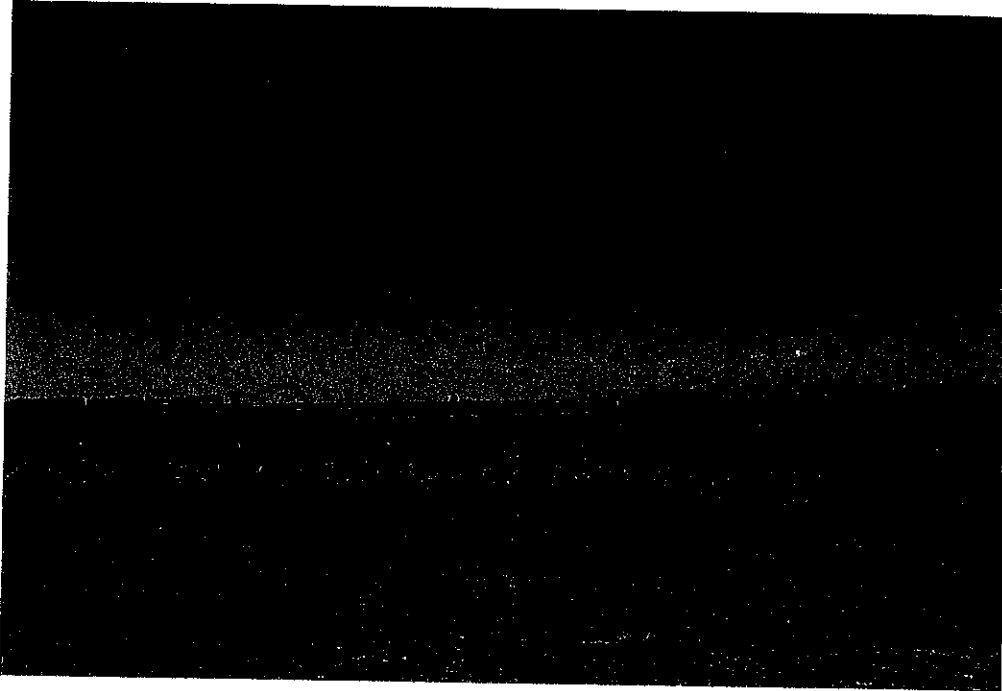


Photo 9. Looking west at farm field and pasture at the west adjacent property, with the subject property's western boundary in the foreground.

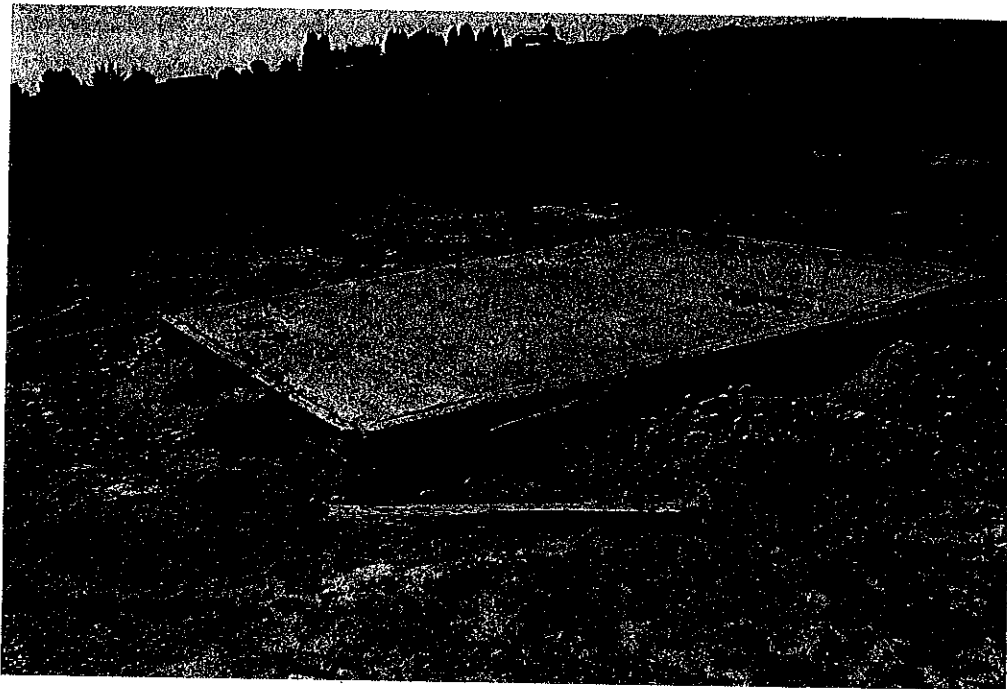


Photo 10. An unused concrete pad present in the center of the subject property, which was inhabited by groundhogs.

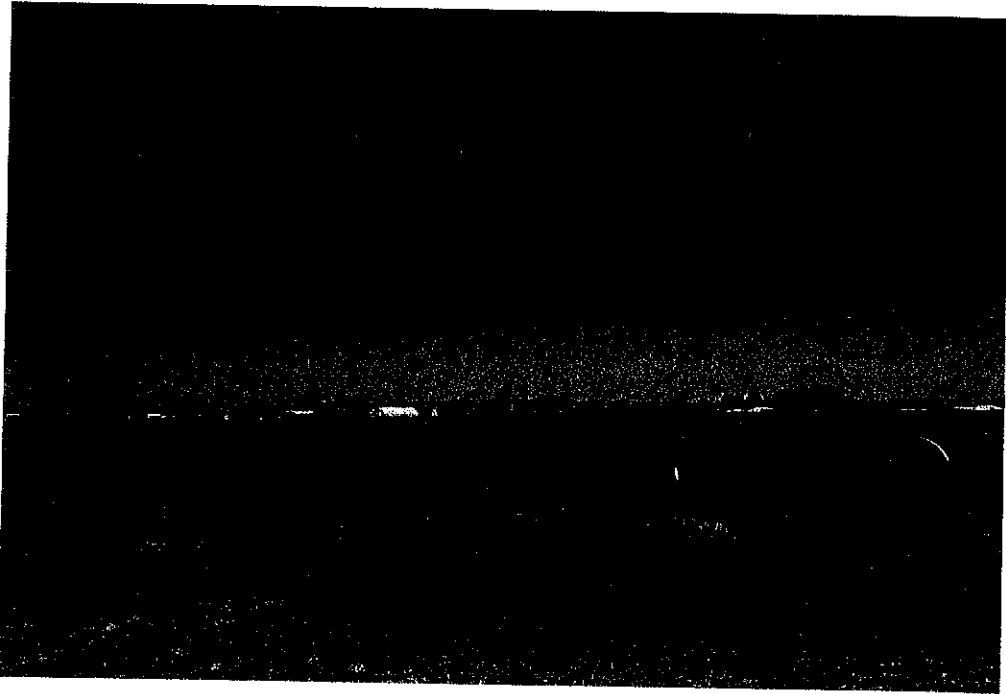


Photo 7. Looking northwest at the farm field at the north adjacent property.

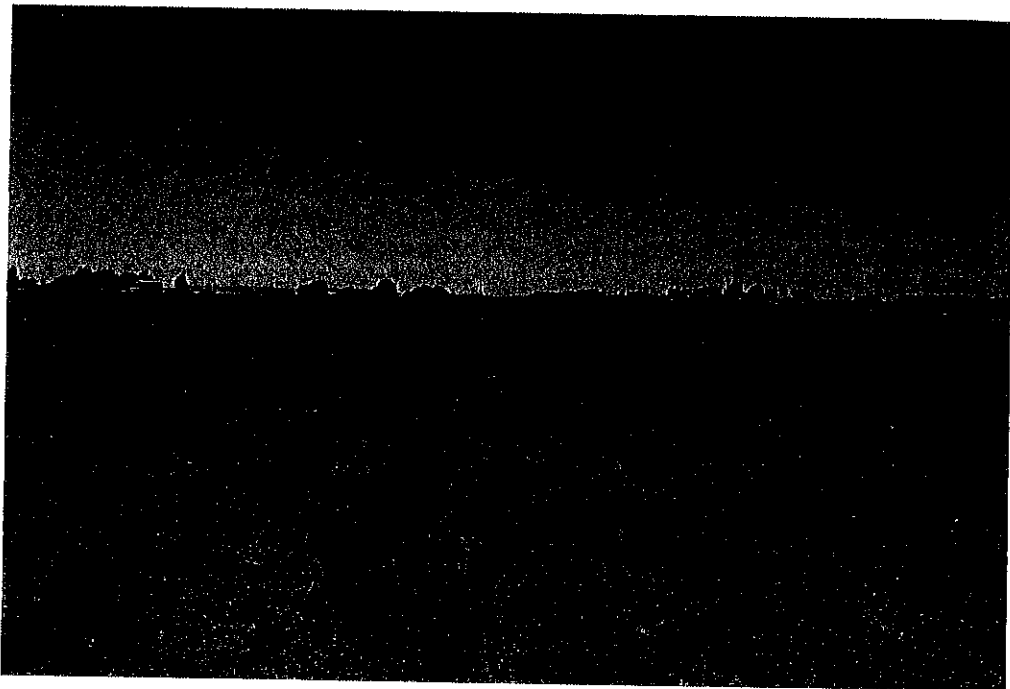


Photo 8. Looking south through the center of the subject property at a dirt access road.

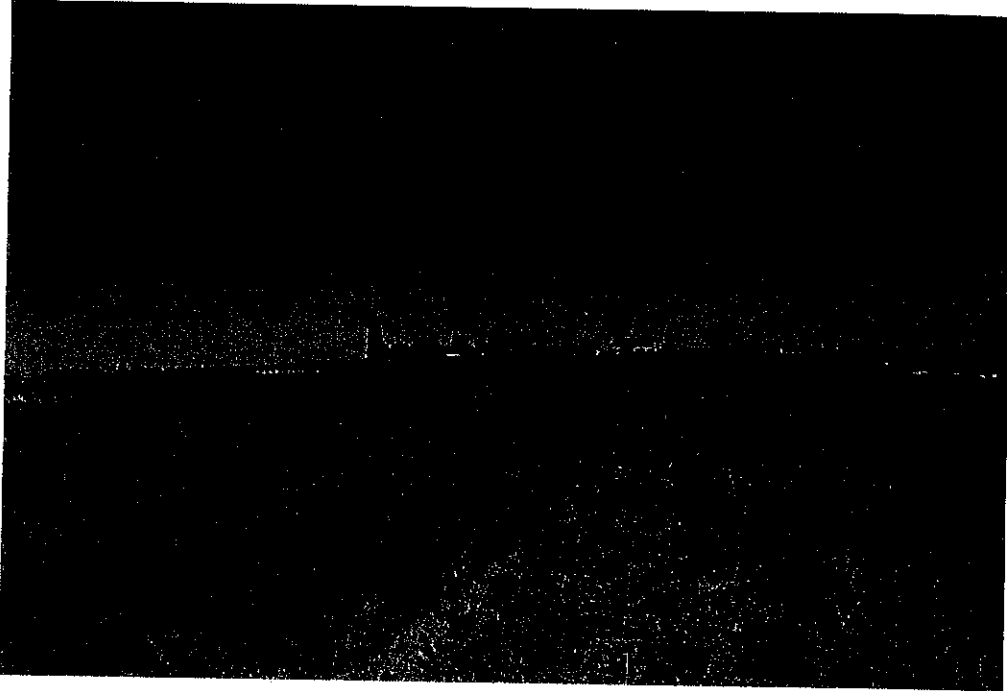


Photo 5. Looking north along the subject property's eastern boundary. A rural residence at the north adjacent property is visible in the distance.

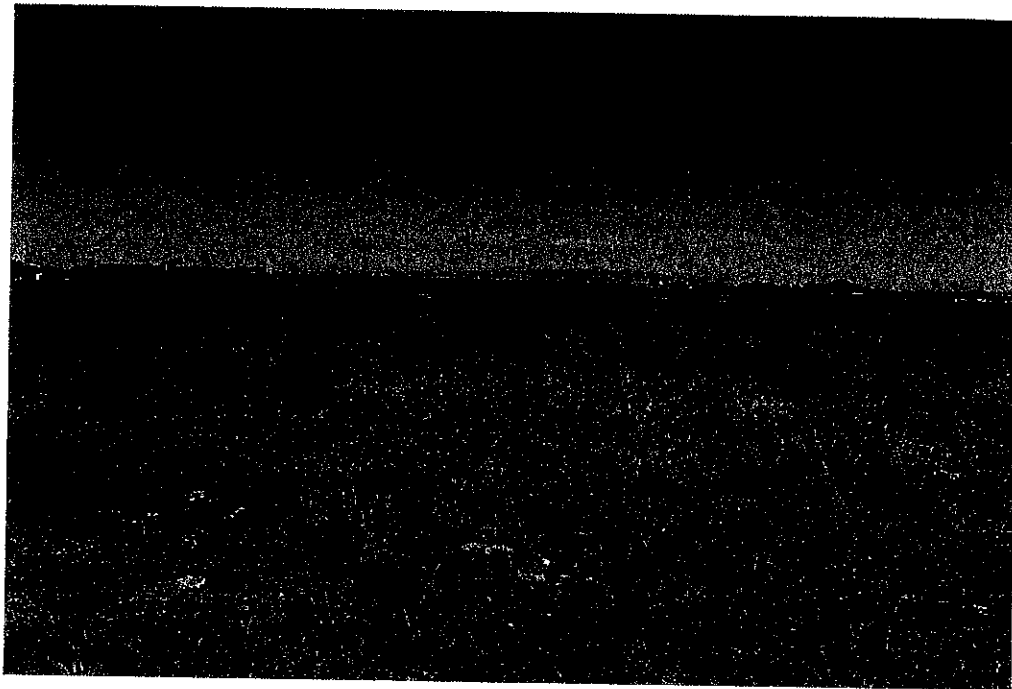


Photo 6. Looking west toward the center of the subject property from its northeastern boundary.

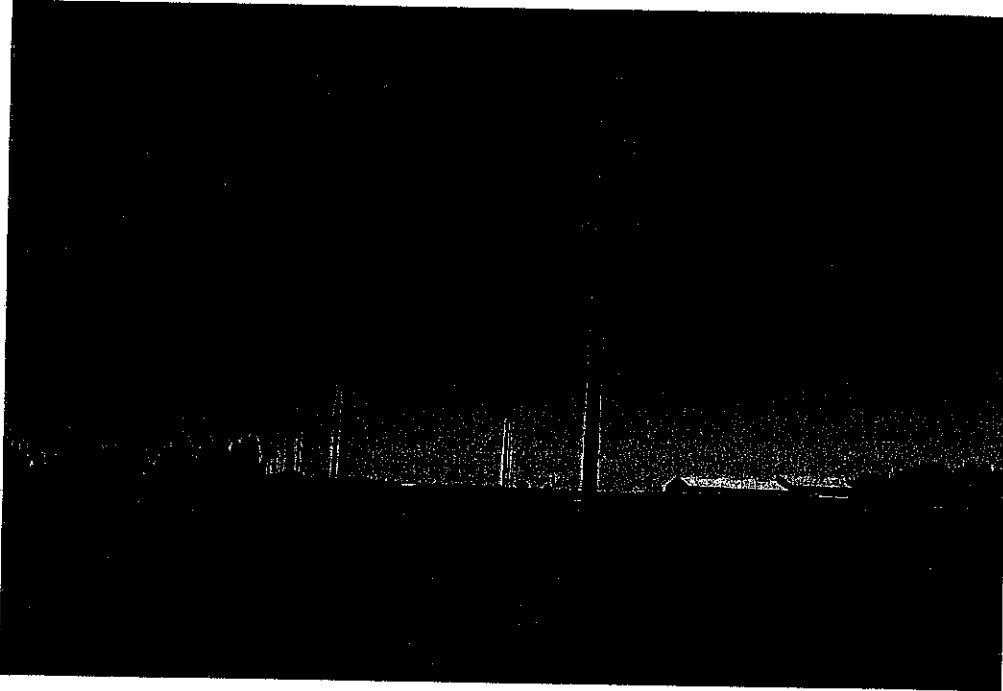


Photo 3. Three pole-mounted transformers were observed in good condition along the subject property's southern boundary.

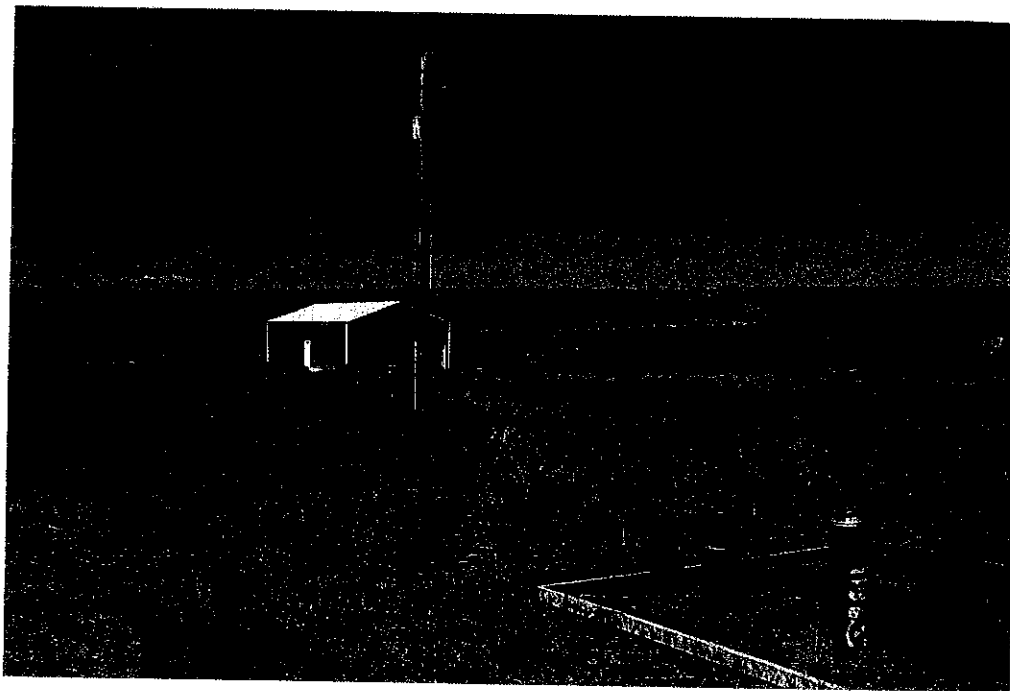


Photo 4. A large shed and potential irrigation wells present on the east adjacent property.

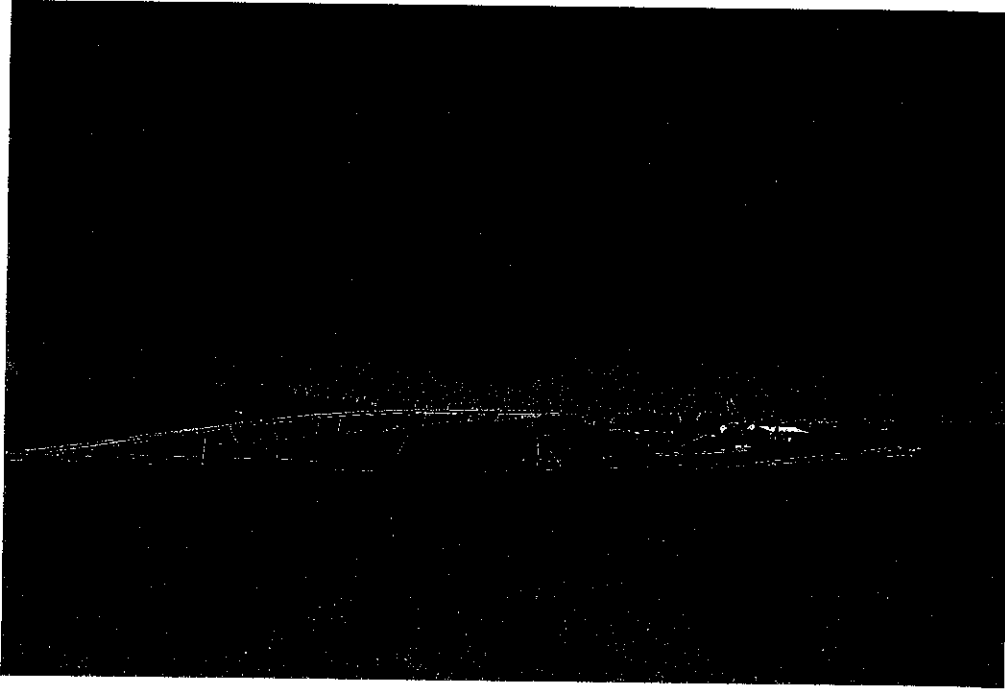


Photo 1. Out-of-use irrigation equipment observed on the southeast portion of the subject property.

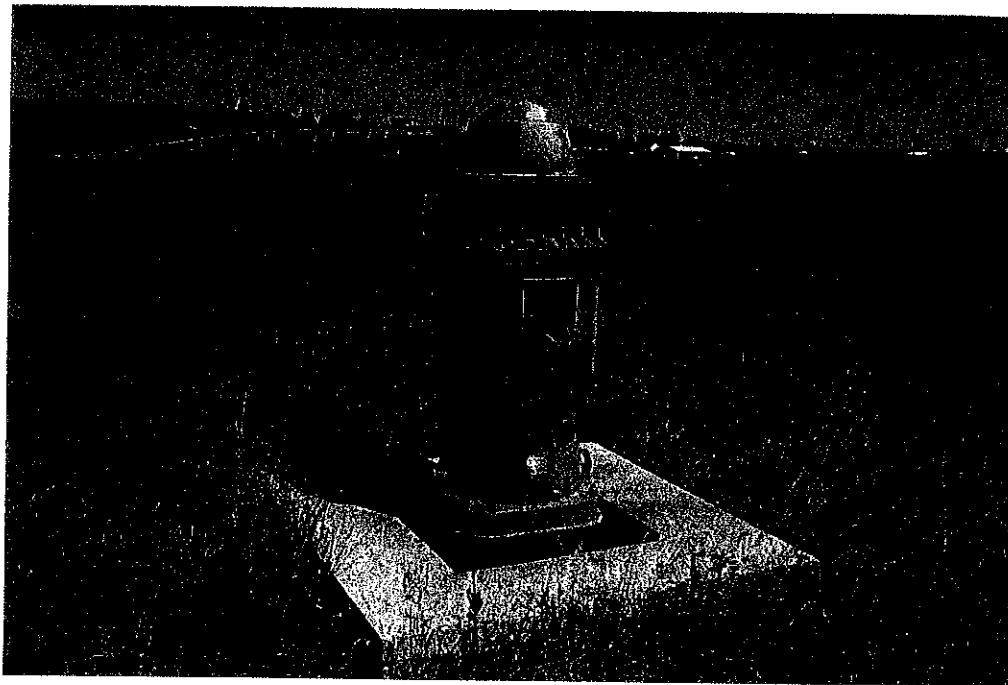


Photo 2. An irrigation well present near the southern boundary of the subject property.

Appendix E
Site Reconnaissance Records
Site Photographs
Field Checklist

ROAD F NE 1992

1258	WENTWORTH, KEN
1286	SNEGOSKY, M
2163	LUBLIN, NATHAN
2254	HISLE, AGNES
2644	SNEAD, TIM
2716	CORDELL, CLINT
2908	BAUGAS, REEDY H
	REISCHL, JIM
3057	SNEED, C E
3094	BYAM, VAN E
3822	LYNCH, DAN
3856	ARNTSON, D R
3953	SCHULLER, F J
3962	CAMPBELL, PAUL
4906	VANDIEST, BERNIE

RD E.5 NE 1992

781 ALVAREZ, CINDY
1201 ANDERSON, GARY
1250 PLATT, JAY

ROAD F NE 1995

1258 WENTWORTH, KEN
1286 SNEGOSKY, M
1340 VANDIEST, BERNIE
2131 STEINBACH, ALVIN
2163 LUBLIN, BRIAN K
2254 LUBLIN, NATHAN
2270 LUBLIN, NORMAN E
2538 MACKEY, BILL
2908 REISCHL, JIM
3051 GILLARD, KURT
3057 OCCUPANT UNKNOWNN
3557 RATLIFF, DELBERT
3590 JENSEN, P J
3630 AMES, RICHARD
3725 COREY, MICHAEL W
3761 NAFF, K L
3822 LYNCH, DAN
3856 ARNTSON, D R
3933 HARRISON, HERBERT E
3953 SCHULLER, F J
4906 NESS, DONALD H
4972 HARRIS, RONALD P
5130 STRAWN, MERLE R
5360 STRAWN, JEFFREY A

ROAD E.5 NE 1995

1201 FRENSDORF, MIKE
1281 GLEED, RON
1321 MILLER, STEVEN J
1487 HERNANDEZ, E T
1500 OCCUPANT UNKNOWNN
1548 BENNETT, JON C
1634 OCCUPANT UNKNOWNN
1689 STEFFLER, PHILIP J
1739 MOLOSO, ALIE
1817 WEBER, KEVIN
1818 WAGLEY, FRANK Q
1885 MCCAULEY, R D
2065 OCCUPANT UNKNOWNN
2255 WEBB, RAY D
4128 SHIMON, JAN
4213 REINDL, JOSEPH

ROAD F NE 2000

1258 WENTWORTH, KEN
2131 STEINBACH, ALVIN
2163 HORN, DOUG
2254 LUBLIN, NATHAN
2270 LUBLIN, NORMAN E
2538 CROWELL, NATHAN
3125 TOWNSEND, F D
3153 ROSE, DON
3158 BYAM, CHRIS
3175 GAMBOA, ERIC
3501 GILLARD, KURT
3557 RATLIFF, DELBERT
3590 J P BLACK CONSTRUCTION
3630 AMES, RICHARD
3698 SOFTICH, CHUCK
3725 COREY, MICHAEL W
3761 NAFF, K L
3766 YOUNG, AL
3822 LYNCH, DAN
3841 CUSTOM DESIGN & EXCAVATING
DENNEY, R A
3856 GREENFILED, ROCKY
3886 TRUSTY, ROBERT
3933 HARRISON, HERBERT E
3953 WESSELMAN, RODNEY
4156 KINGMA, DALE
RAMSAY, MARY
4242 SCOTT, MONTE
4274 WYOUNT, HARRY L
4306 CONTRERAS, ELISEO
4338 GHYLIN, DENNIS
4478 SMALLEY, B
4906 NESS, DONALD H
4972 CONCHA, FRANK
5130 STRAWN, MERLE R
5360 STRAWN, JEFFREY A

RD E 5 10 NE

2000

1201	FRENSDORF, MIKE
1234	VIEBROCK, CLAYTON
1281	HLUCNY, L C
1321	MATULICH, JIM
1455	NOYOLA, JOE
1487	HERNANDEZ, LUCIANO
1516	SMITH, DAN
1548	BENNETT, JON C
1634	LEAVITT, DAN
1689	STEFFLER, PHILIP J
1739	ZUCKER, ROB
1818	WAGLEY, FRANK Q
1885	MCCAULEY, R D
2255	WEBB, RAY D
4128	SHIMON, JON
4213	REINDL, JOSEPH

ROAD F NE 2005 (Cont'd)

5101 SCHIFFNER, MARGARET
5130 STRAWN, MERLE R
5360 STRAWN, JEFFREY A

ROAD F NE 2005

1258 WENTWORTH, KEN
1286 SNEGOSKY, MARK
1294 MENTI, SHEILA K
1306 SHINN, LOIS A
1326 HANSEN, RUSSEL
1368 SHINN, FRANK P
1373 MOSES LAKE GOLF & COUNTRY CLUB
1388 ELLIS, M K
2093 DUCHOW, FRANK L
2131 STEINBACH, ALVIN A
2270 GENES TILE
LUBLIN NORMAN E
LUBLIN, NORMAN E
ROYAL IMAGE BARBERSHOP
2284 LUBLIN, NATHAN E
2538 CROWELL, NATHAN P
2590 VALENZUELA, DOMINGO M
2644 HAYES, ROBERT S
2780 CORRAL, MAGGIE
2870 SERRANO, JOSE
2908 UPKY, DUANE A
2910 REENTS, PATRICIA A
3055 SALISBURY, ROBERT H
3125 TOWNSEND, MYRA J
3153 ROSE, DON A
3158 BYAM, CHRIS E
3175 GAMBOA, ERIC K
3501 GILLARD, KURT G
3557 RATLIFF, DELBERT R
3630 AMES, RICHARD G
3725 COREY, MICHAEL W
3728 CARPENTER, KEVIN
3761 NAFF, KENNETH T
3822 DRL ELECTRICAL CONTRACTING
LYNCH, DAN
3841 DENNEY, REBECCA A
3886 UNDERHILL, JOHN P
3914 GALFANO, MARIO K
3933 DENNEY, MICAH
3953 WESSELMAN, RODNEY D
4156 KINGMA, DALE A
4212 KOLLER, AGNES B
4242 SCOTT, MONTE L
4274 WYOUNT, HARRY L
4306 CONTRERAS, ELISEO A
4338 GHYLIN, DENNIS L
4432 KOCH, MARC M
4478 DESIGNS BY DONNA
4906 NESS, WILLIAM J
4972 SKAW, STEVEN V

ROAD E.5 NE 2005

✓

1201	FRENSDORF, MIKE
1281	HLUCNY, L C
1321	MATULICH, JIM C
1455	NOYOLA, JOE
1457	NOYOLA, JEFF
1487	HERNANDEZ, JOSE
1516	SMITH, DAN A
1616	YEAROUT, ADAM
1634	LEAVITT, DAN L
1739	ZUCKER, ROB
1752	GERBER, EDWIN S
1817	PATTERSON, EARL W
1818	WAGLEY, FRANK Q
1885	MCCAULEY, ROBERT J
2255	RIDDLE, JOHN W
4128	SHIMON, JON E
4213	REINDL, JOSEPH W
6834	LLOYD, BOBBI J

ROAD F NE 2010 (Cont'd)

4274 WYOUNT, HARRY L
4306 CONTRERAS, ELISEO A
4338 GHYLIN, DENNIS L
4372 YURIAN, RICK R
4402 TEETER, CINDY
4432 KOCH, MARC M
MARCS TOOL SALES
4478 MULLENIX, DAVE
4528 ADAMS, KIM M
4972 SKAW, STEVEN V
5101 SCHIFFNER, ROBERT E
5130 STRAWN, MERLE R
5360 STRAWN, JEFFREY A

ROAD F NE 2010

1258 CAMPBELL, ANDREW W
1260 MEIER, PATRICK O
1286 SNEGOSKY, MARK S
1306 LANE, WALLACE E
1582 EVENS, MICHAEL B
2093 DUCHOW, FRANK L
2131 STEINBACH, ALVIN A
2163 LUBLIN, BRIAN K
2254 LUBLIN, NATHAN E
2270 BUCK 1 ENTERPRISES INC
LUBLIN, NORMAN E
2538 CROWELL, JEREMY M
2590 DANA, JOSHUA
2644 HAYES, ROBERT S
2780 SERRANO, JOSE A
2840 CORRAL, SUSANA T
2908 UPKY, DUANE A
3055 RUTHERFORD, WILLIAM R
3103 NAKONECHNY, ALEKSEY Y
3125 TOWNSEND, MYRA J
3153 ROSE, DON A
3158 BYAM, CHRIS E
3175 GAMBOA, ERIC K
3201 DECKER, HILDEGARD
3343 LUNDERVILLE, JON C
3365 BUSHBAUM, JOHN R
3387 JOHNSON, GARY H
3431 SPROUSE, ASHLEY F
3451 PATCH, DANNY R
3467 GREEN, DOUGLAS R
3489 GREEN HEAD EXCAVATION
3501 GILLARD & GILLARD
GILLARD, KURT G
3557 RATLIFF, DELBERT R
3590 BLACK J P
BLACK, JACK P
3630 AMES, RICHARD G
3725 COREY, MICHAEL W
3728 CARPENTER, KEVIN
3761 NAFF, KENNETH T
3822 LOHMAN, MELISSA
3841 DENNEY, REBECCA A
3886 UNDERHILL, JOHN P
3914 TAYLOR, LEE K
3933 NOYES, KYLE J
3953 WESSELMAN, RODNEY D
4156 D & M ENTERPRISES
KINGMA, DALE A
4212 KOLLER, AGNES B
4242 CARLILE, MIRANDA

ROAD E.5 NE 2010

1201 FRENSDORF, CHARLES M
1234 EDWARDS, FREDERICK C
1257 DAVIS, WILLIE G
1281 HLUCNY, LC C
1321 MATULICH, JIM C
1455 NOYOLA, JOE C
1457 NOYOLA, JEFF C
1487 HERNANDEZ, LUCIANO
1516 SMITH, DAN A
1616 YEAROUT, PETER A
1634 LEAVITT, DAN L
1692 BUDD, LEROY
1739 ZUCKER, YVONNE L
ZUKER, KAN
1817 ASHLEY, JUSTIN C
1818 WAGLEY, FRANK Q
1885 MCCAULEY, GUY L
2255 FORD, ELLIOTT E
6834 LLOYD, CHRIS D

ROAD F NE 2014 (Cont'd)

3933 PHILLIPS, JODY S
3953 WESSELMAN, RODNEY D
3962 OCCUPANT UNKNOWN,
4156 D & M ENTERPRIZES
KINGMAN, DANIEL
4212 KOLLER, AGNES B
4242 CARLILE, MIRANDA
4274 OCCUPANT UNKNOWN,
4306 NIEVES, ELVIRA N
4338 GHYLIN, DENNIS L
4372 YURIAN, RICHARD R
4402 TEETER, CINDY S
4432 KOCH, MARC M
4478 MULLENIX, DAVE
4528 SCHLUETER, MICHAEL W
4586 BABAK, GALINA
4778 VASARKOVY, JILL J
4906 OCCUPANT UNKNOWN,
4972 SKAW, STEVEN V
5130 STRAWN, JEFFREY A

ROAD F NE 2014

1258 CAMPBELL, ANDREW W
1326 MCKEE, RENE C
1368 CORDOVA, WALTER W
HILL, GREG
1582 OCCUPANT UNKNOWN,
2093 DUCHOW, FRANK L
2131 STEINBACH, ALVIN A
2163 OCCUPANT UNKNOWN,
2170 LUBLIN, NORMAN E
2254 OCCUPANT UNKNOWN,
2270 LUBLIN, BRANDON
2284 OCCUPANT UNKNOWN,
2538 SLACK, STEVE L
2590 DANA, TRACY
2644 HAYES, ROBERT S
2716 ENRIGHT, JOHN
2780 SERRANO, CHRISTINA
2840 CORRAL, SUSANA T
2908 UPKY, DUANE A
2910 REENTS, PATRICIA A
3055 RUTHERFORD, WILLIAM R
3103 WILSON, JASON D
3125 TOWNSEND, MATT A
3153 ROSE, DON A
3175 GAMBOA, ERIC K
3201 DECKER, HILDEGARD
3267 HOMET, RONALD A
3321 HOMER, MAXWELL
3365 OCCUPANT UNKNOWN,
3387 JOHNSON, BILL
3411 BASIN CONEX LLC
GRANT, SAM M
3431 DAVIS, RYAN A
3451 PATCH, WENDY L
3467 GREEN, DOUGLAS R
3489 MANGOLD, DANA M
3501 GILLARD, KURT G
3557 RATLIFF, DELBERT R
3590 OCCUPANT UNKNOWN,
3630 AMES, RICHARD G
3698 OCCUPANT UNKNOWN,
3725 COREY, MICHAEL W
3728 HOOPER, STEVEN N
3761 NAFF, KENNETH T
3766 NEAR, D
3794 OCCUPANT UNKNOWN,
3822 OCCUPANT UNKNOWN,
3841 OCCUPANT UNKNOWN,
3886 OCCUPANT UNKNOWN,
3914 STEWART, MICHAEL

ROAD E.5 NE 2014

1234	EDWARDS, TIMOTHY
1257	DAVIS, KIMIKO O
1281	HLUCNY, LC C
1321	MATULICH, JIM C
1455	NOYOLA, JOE C
1457	NOYOLA, JEFF C
1487	HERNANDEZ, LUCIANO
1616	JUAREZ, RUBEN J
1634	LEAVITT, DAN L
1635	KALLAM, BOB
1689	FILIBERTO, RIVERA RIVERA, FILIBERTO
1692	BUDD, LEROY
1739	HERD, DAWN M
1752	GERBER, EDWIN S
1817	ASHLEY, JUSTIN C
1818	WAGLEY, FRANK O
1885	MCCAULEY, GUY L
2065	OCCUPANT UNKNOWN,
3075	KEITH, LUKE
4213	SOLOMON, PATRICIA L
6834	LLOYD, CHRIS D

City Directory Images

FINDINGS

CROSS STREETS

Year CD Image Source

ROAD F NE

2014	pg. A2	EDR Digital Archive	
2010	pg. A5	EDR Digital Archive	
2005	pg. A8	EDR Digital Archive	
2000	pg. A11	EDR Digital Archive	
1995	pg. A13	EDR Digital Archive	
1992	pg. A15	EDR Digital Archive	
1985	-	Polk's City Directory	Street not listed in Source
1980	-	Polk's City Directory	Street not listed in Source
1975	-	Polk's City Directory	Street not listed in Source
1970	-	Polk's City Directory	Street not listed in Source
1966	-	Polk's City Directory	Street not listed in Source
1963	-	Polk's City Directory	Street not listed in Source

FINDINGS

TARGET PROPERTY STREET

3265 ROAD E.5 NE
MOSES LAKE, WA 98837

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
<u>RD E 5 10 NE</u>		
2000	pg A10	EDR Digital Archive

<u>RD E.5 NE</u>		
1992	pg A14	EDR Digital Archive

<u>ROAD E.5 NE</u>			
2014	pg A1	EDR Digital Archive	
2010	pg A4	EDR Digital Archive	
2005	pg A7	EDR Digital Archive	
1995	pg A12	EDR Digital Archive	
1985	-	Polk's City Directory	Street not listed in Source
1980	-	Polk's City Directory	Street not listed in Source
1975	-	Polk's City Directory	Street not listed in Source
1970	-	Polk's City Directory	Street not listed in Source
1966	-	Polk's City Directory	Street not listed in Source
1963	-	Polk's City Directory	Street not listed in Source

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1985	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1980	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1975	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1970	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1966	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1963	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

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Road 3 Northeast

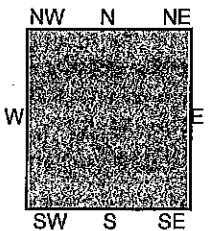
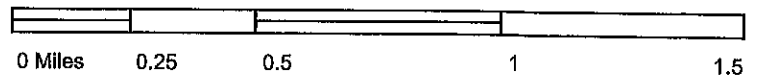
3265 ROAD E.5 NE
MOSES LAKE, WA 98837

Inquiry Number: 6137401.5
July 31, 2020

The EDR-City Directory Image Report



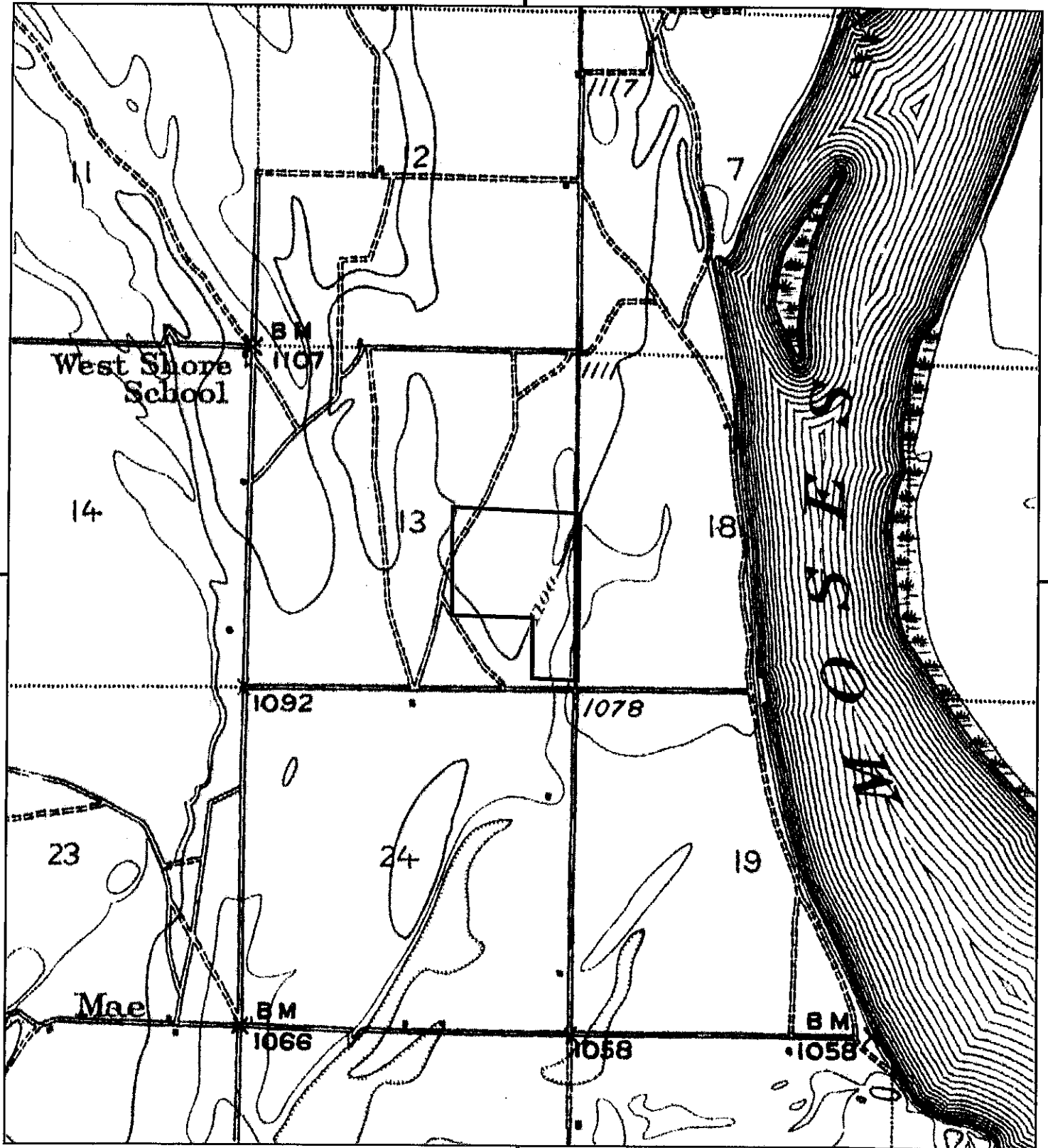
This report includes information from the following map sheet(s).



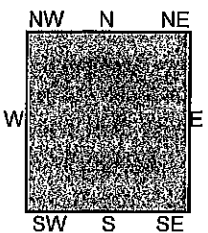
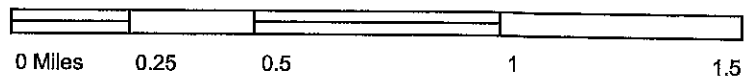
TP, MOSES LAKE, 1910, 15-minute

SITE NAME: Road 3 Northeast
ADDRESS: 3265 ROAD E.5 NE
MOSES LAKE, WA 98837
CLIENT: PBS Engineering & Env.





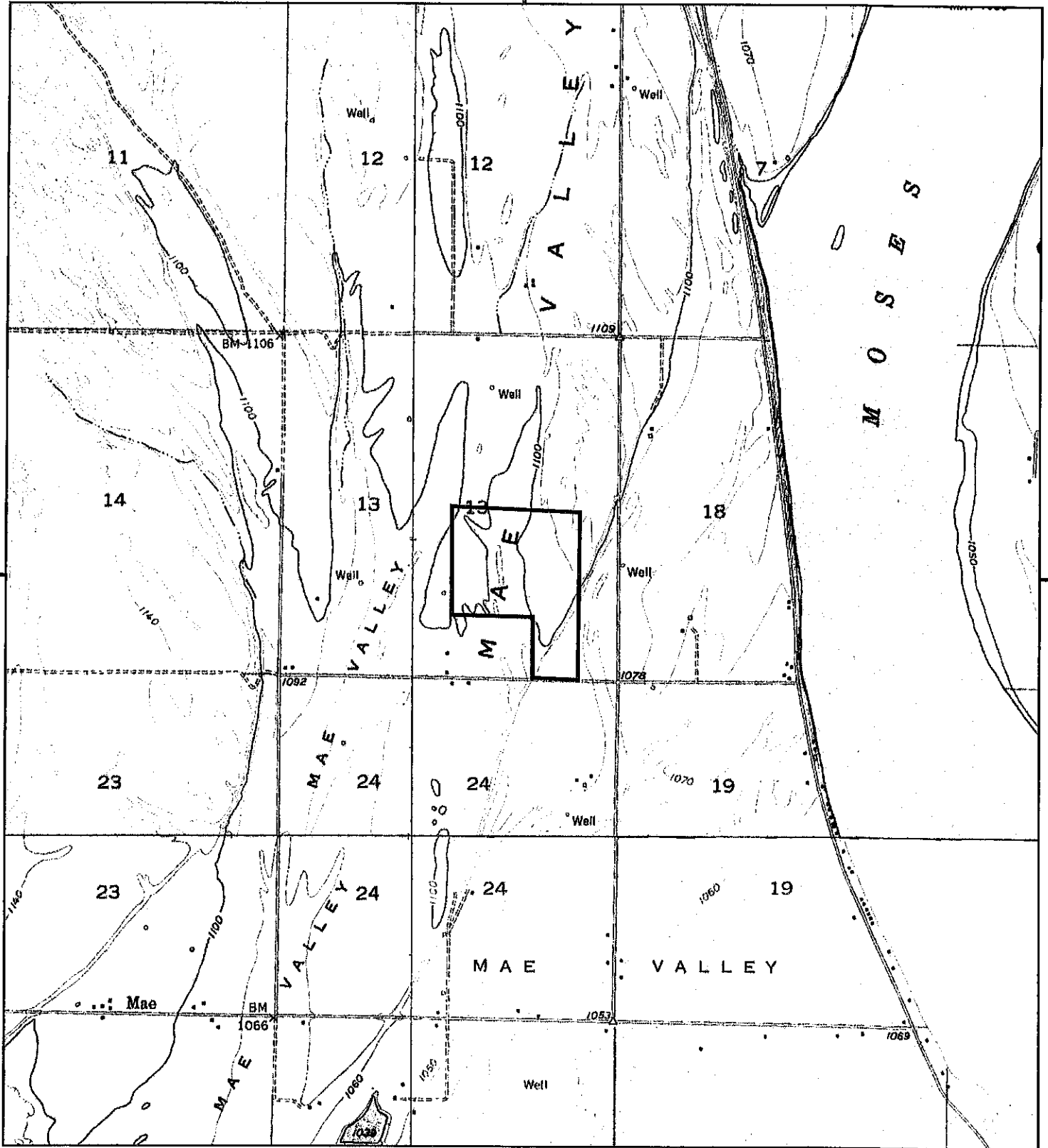
This report includes information from the following map sheet(s).



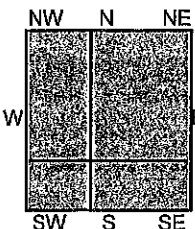
TP, Moses Lake, 1912, 15-minute

SITE NAME: Road 3 Northeast
 ADDRESS: 3265 ROAD E.5 NE
 MOSES LAKE, WA 98837
 CLIENT: PBS Engineering & Env.





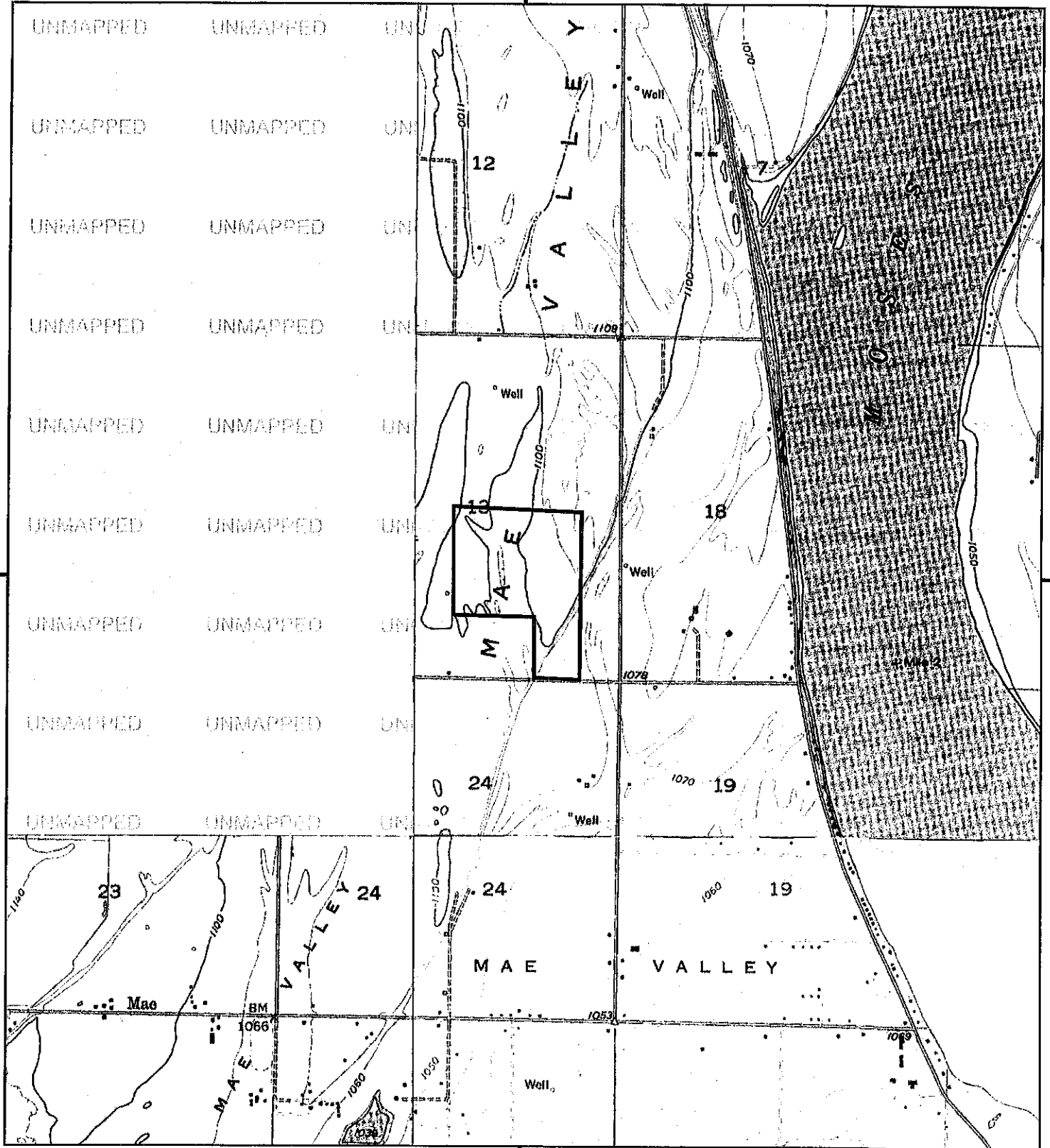
This report includes information from the following map sheet(s).



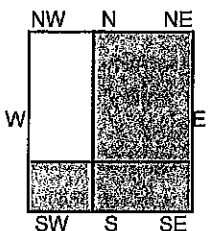
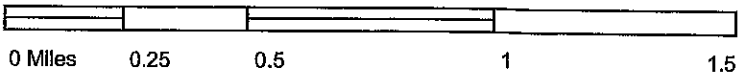
TP, Moses Lake North, 1956, 7.5-minute
 SE, Moses Lake South, 1956, 7.5-minute
 SW, Mae, 1956, 7.5-minute
 NW, Moses Lake NW, 1956, 7.5-minute

SITE NAME: Road 3 Northeast
ADDRESS: 3265 ROAD E.5 NE
 MOSES LAKE, WA 98837
CLIENT: PBS Engineering & Env.





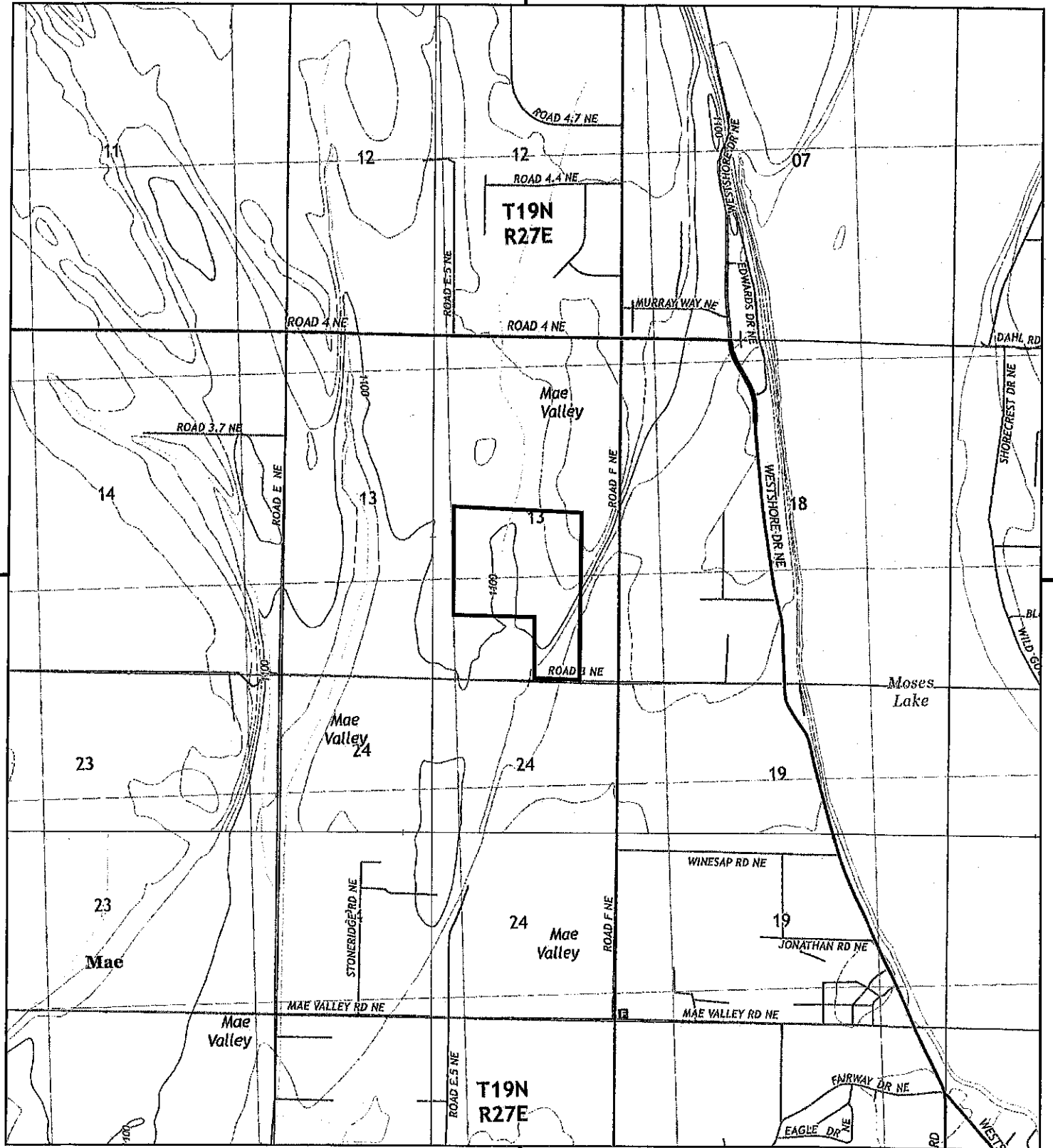
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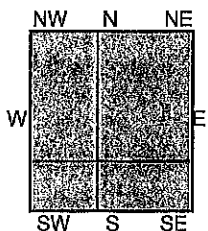
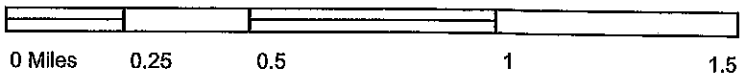
TP, Moses Lake North, 1978, 7.5-minute
 SE, Moses Lake South, 1978, 7.5-minute
 SW, Mae, 1978, 7.5-minute

SITE NAME: Road 3 Northeast
 ADDRESS: 3265 ROAD E.5 NE
 MOSES LAKE, WA 98837
 CLIENT: PBS Engineering & Env.





This report includes information from the following map sheet(s).



TP, Moses Lake North, 2014, 7.5-minute
 SE, Moses Lake South, 2014, 7.5-minute
 SW, Mae, 2014, 7.5-minute
 NW, Moses Lake NW, 2014, 7.5-minute

SITE NAME: Road 3 Northeast
 ADDRESS: 3265 ROAD E.5 NE
 MOSES LAKE, WA 98837
 CLIENT: PBS Engineering & Env.



Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1910 Source Sheets

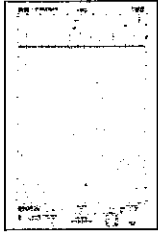


MOSES LAKE
1910
15-minute, 62500

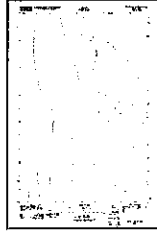
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

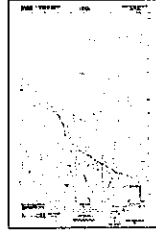
2014 Source Sheets



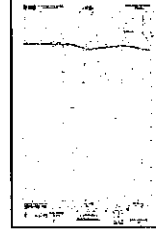
Mae
2014
7.5-minute, 24000



Moses Lake NW
2014
7.5-minute, 24000



Moses Lake North
2014
7.5-minute, 24000

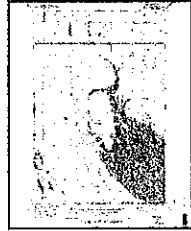


Moses Lake South
2014
7.5-minute, 24000

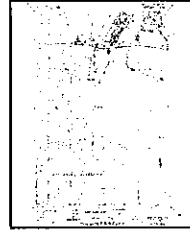
1978 Source Sheets



Moses Lake North
1978
7.5-minute, 24000
Aerial Photo Revised 1976

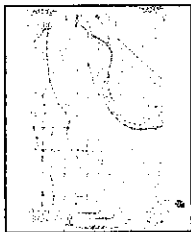


Mae
1978
7.5-minute, 24000
Aerial Photo Revised 1976



Moses Lake South
1978
7.5-minute, 24000
Aerial Photo Revised 1976

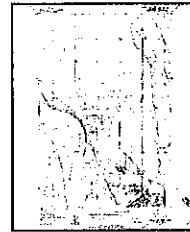
1956 Source Sheets



Moses Lake NW
1956
7.5-minute, 24000
Aerial Photo Revised 1954



Mae
1956
7.5-minute, 24000
Aerial Photo Revised 1954



Moses Lake North
1956
7.5-minute, 24000
Aerial Photo Revised 1954



Moses Lake South
1956
7.5-minute, 24000
Aerial Photo Revised 1954

1912 Source Sheets



Moses Lake
1912
15-minute, 62500

EDR Historical Topo Map Report

07/29/20

Site Name:

Road 3 Northeast
3265 ROAD E.5 NE
MOSES LAKE, WA 98837
EDR Inquiry # 6137401.4

Client Name:

PBS Engineering & Env.
400 Bradley Boulevard , Suite 300
Richland, WA 99352
Contact: Angela Mcguire



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by PBS Engineering & Env. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 66256
Project: Hayden Homes Road 3 NE

Coordinates:

Latitude: 47.137133 47° 8' 14" North
Longitude: -119.372403 -119° 22' 21" West
UTM Zone: Zone 11 North
UTM X Meters: 320102.47
UTM Y Meters: 5223134.10
Elevation: 1106.04' above sea level

Maps Provided:

2014
1978
1956
1912
1910

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Road 3 Northeast
3265 ROAD E.5 NE
MOSES LAKE, WA 98837

Inquiry Number: 6137401.4

July 29, 2020

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.ednet.com

July 9, 2008

Damien Hooper
Grant County Planning Department
P O Box 37
Ephrata, WA 98823

RE: Comp Plan Amendments 2008

Dear Damien:

The City Council, at its July 8, 2008 meeting, recommended that Grant County approve the following expansions of Moses Lake's UGA:

John Enright, Sun Ranch, Inc. Parcel #s 12-0570-001, 16-1420-000, 16-1421-000, 16-1422-000, 16-1422-001, 16-1428-000, 16-1428-001, 16-1429-000, 16-1474-000, 16-1495-001, 31-2408-000

Vaughn Hunsaker Parcel #s 14-169-001, 14-1691-000, 14-1693-000, 14-1693-601, 17-0756-001

Vic Jansen, Bering Sea 344, Inc. Parcel #s 17-1024-000

Public Utility District #2 of Grant County Parcel #s 11-0682-000, 11-0684-000, 11-0686-000, 14-0499-000, 17-0530-006

The Council also recommended that Grant County include the following parcel numbers within Moses Lake's UGA, as they would otherwise become islands if the Enright and Hunsaker amendments are approved:

12-0570-003, 12-0570-005, 12-0570-006, 12-0570-007, 12-0570-008, 12-0570-009, 14-1696-000, 14-1698-000, 14-1701-000

If you have any questions please contact the Community Development Department at (509)766-4166.

Cordially,

Anne Henning
Senior Planner
Community Development Department

cc: Community Development Director

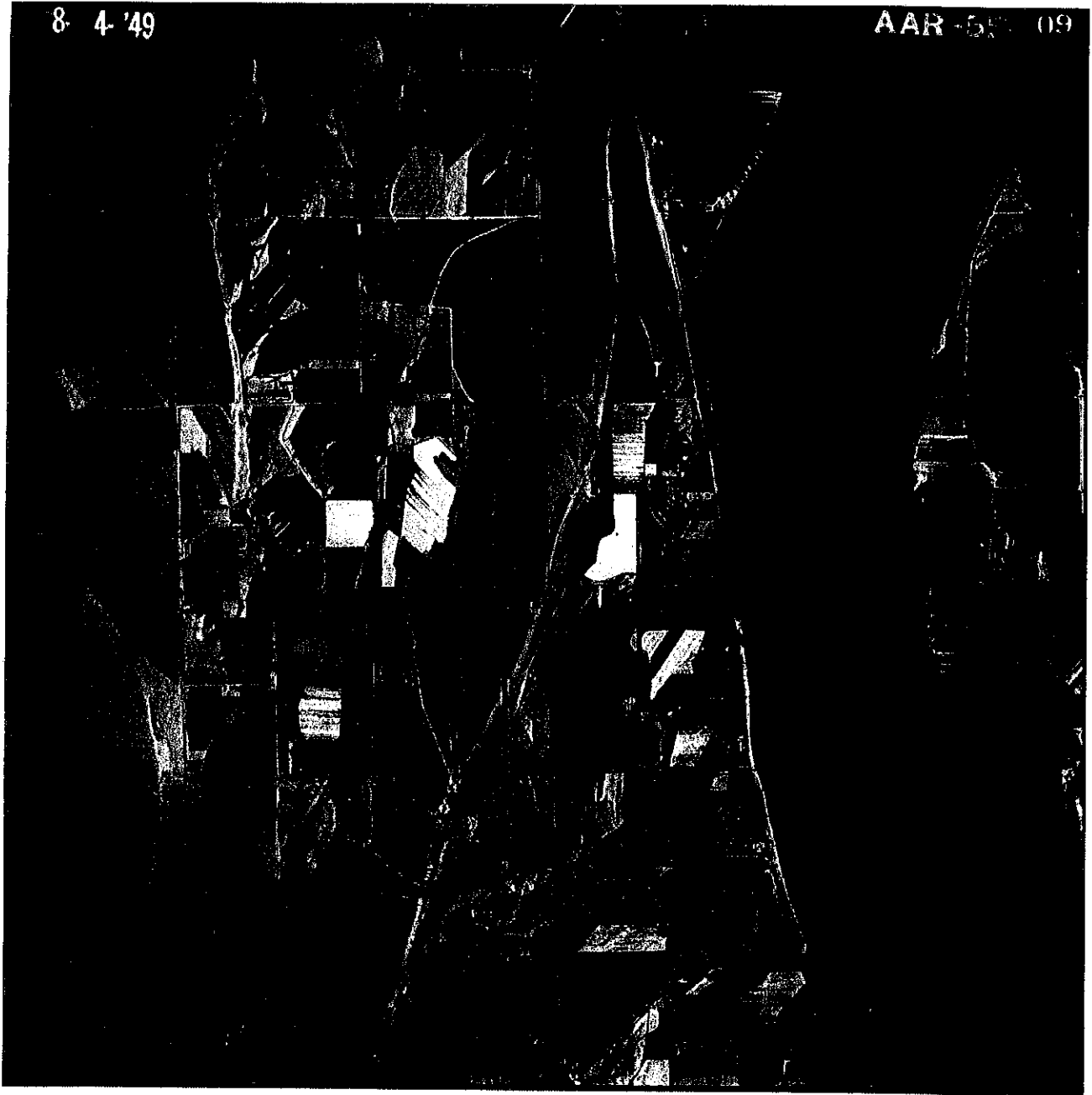
AH:sm

INQUIRY #: 6137401.8

YEAR: 1952

_____ = 500'

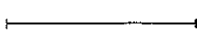




1955 Aerial Photograph

INQUIRY # 6137401.8

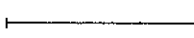
YEAR: 1976

 = 500'



INQUIRY #: 6137401.8

YEAR: 1982

 = 500'





INQUIRY #: 6137401.8

YEAR: 1991

————— = 750'

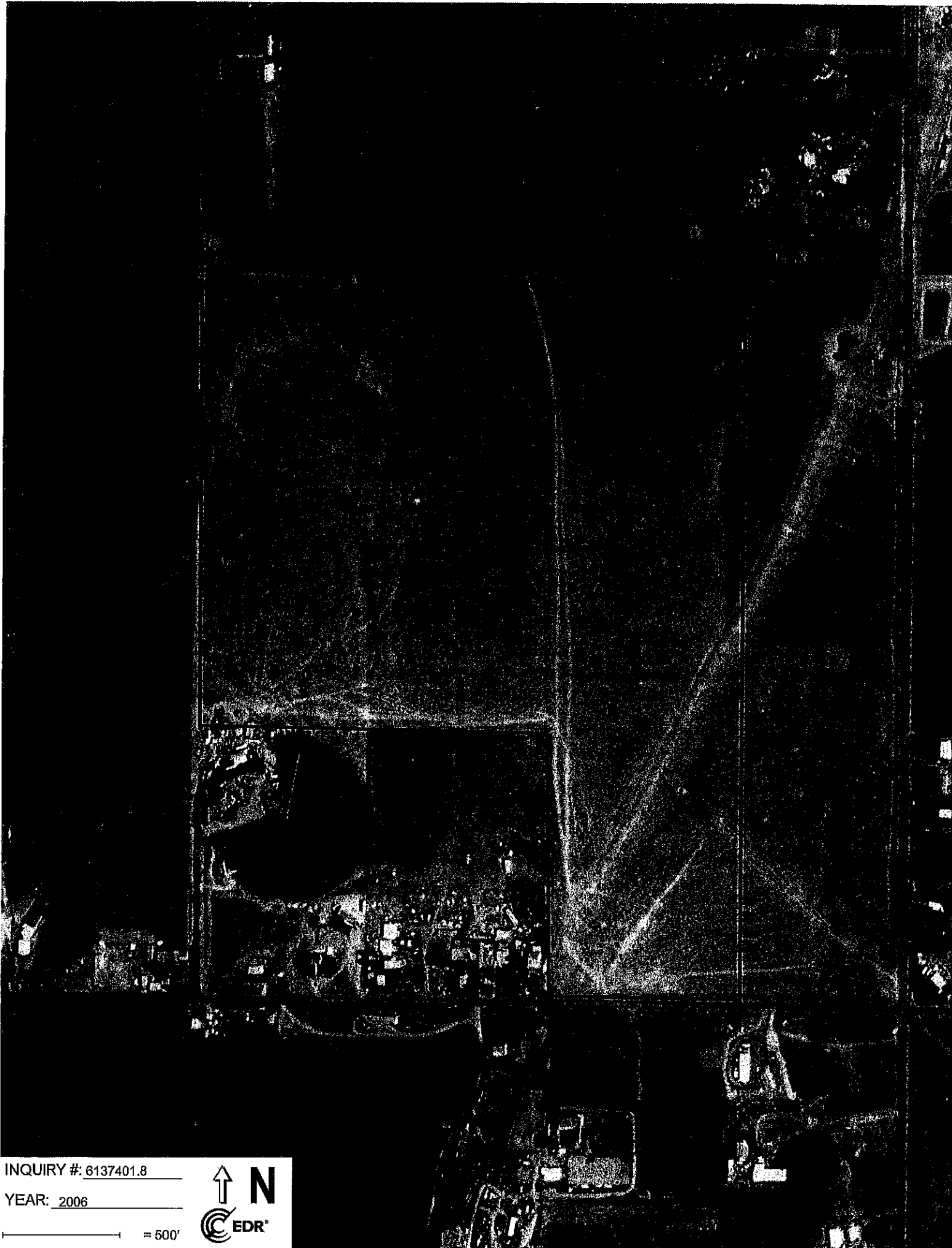


INQUIRY #: 6137401.8

YEAR: 1996

— = 500'



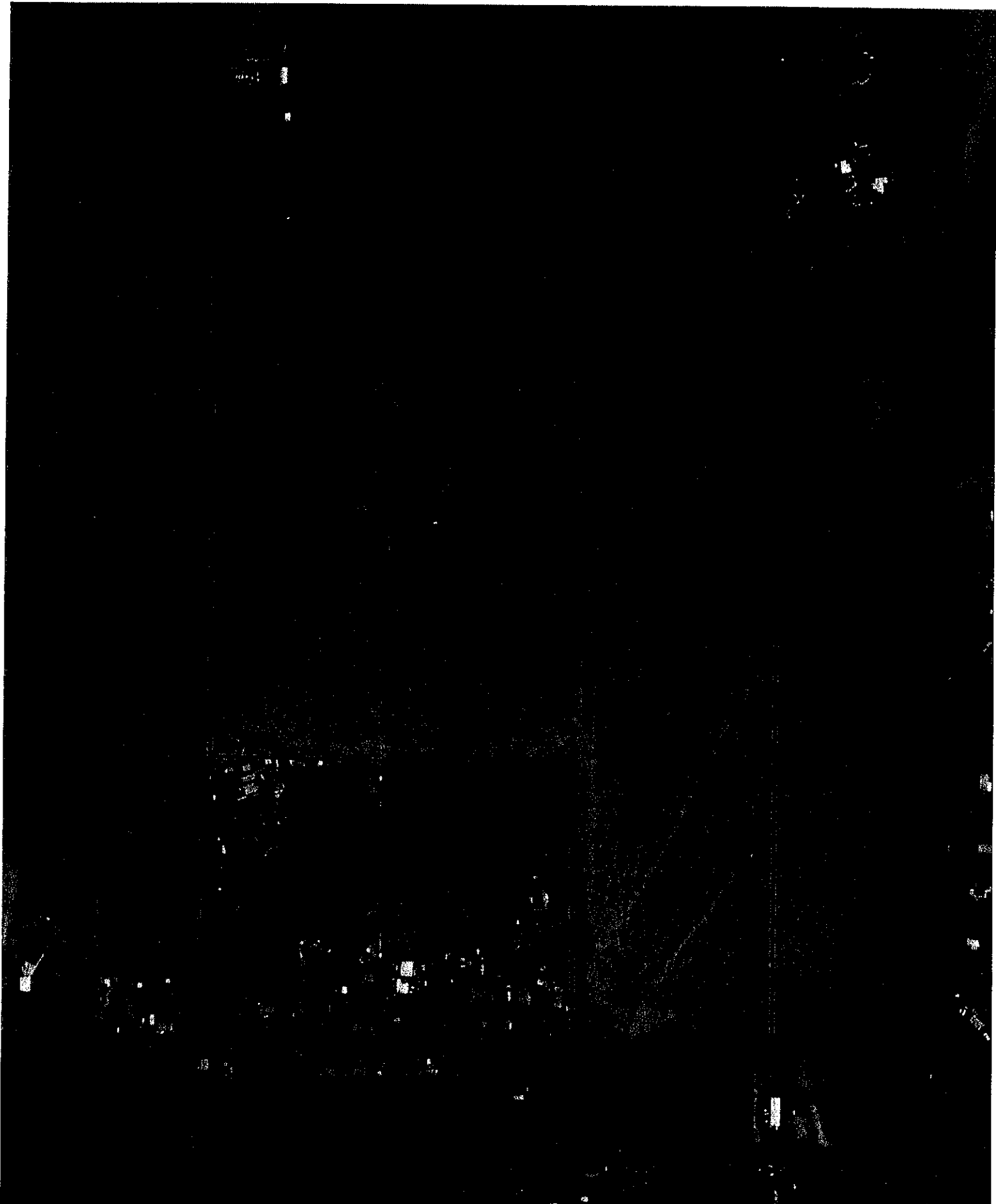


INQUIRY # 6137401.8

YEAR: 2006

← = 500'



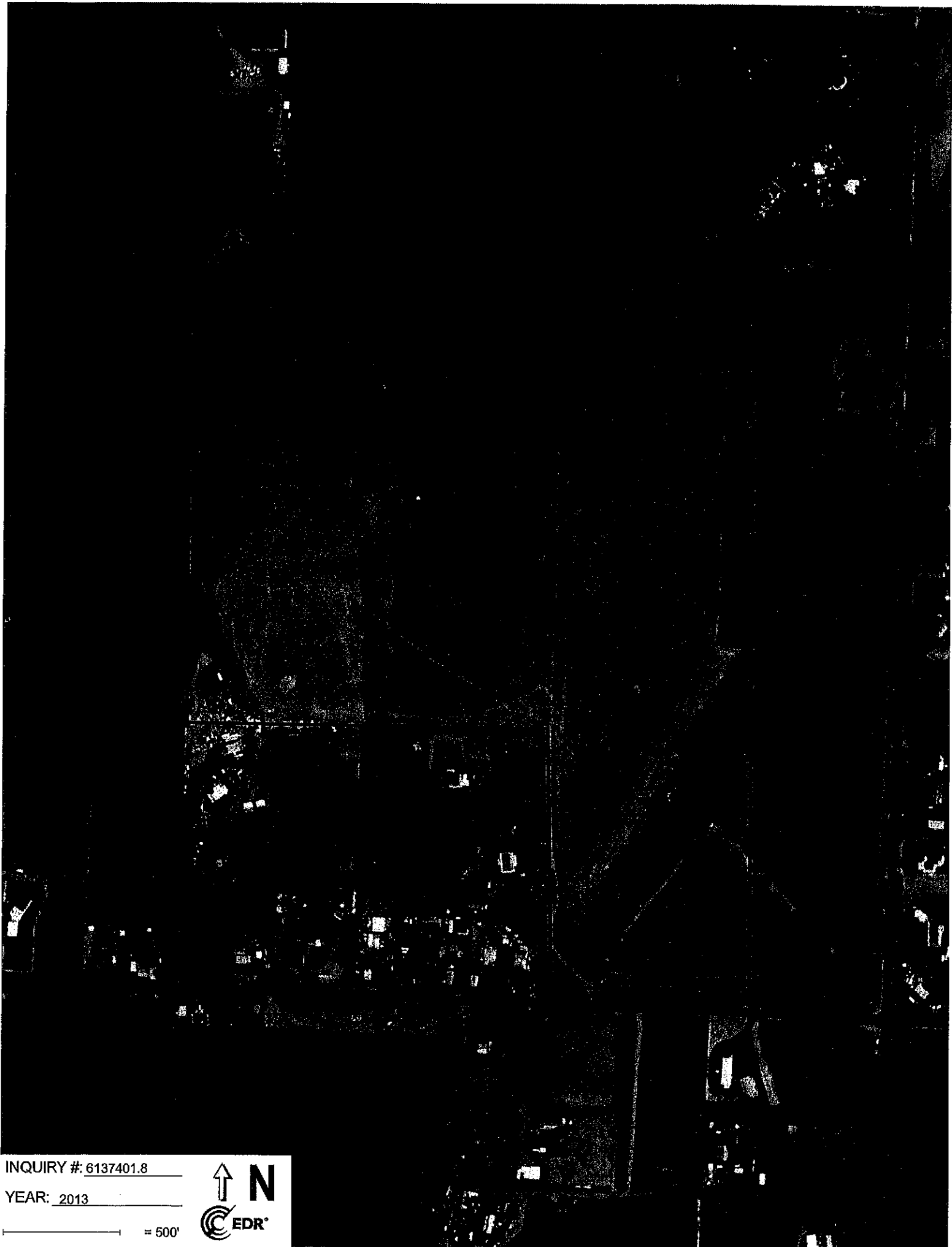


INQUIRY # 6137401.8

YEAR: 2009

————— = 500'





INQUIRY #: 6137401.8

YEAR: 2013

_____ = 500'



INQUIRY # 6137401.8

YEAR: 2017

 = 500'



EDR Aerial Photo Decade Package

07/29/20

Site Name:

Road 3 Northeast
3265 ROAD E.5 NE
MOSES LAKE, WA 98837
EDR Inquiry # 6137401.8

Client Name:

PBS Engineering & Env.
400 Bradley Boulevard , Suite 300
Richland, WA 99352
Contact: Angela Mcguire



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1996	1"=500'	Acquisition Date: July 13, 1996	USGS/DOQQ
1991	1"=750'	Flight Date: July 02, 1991	USGS
1982	1"=500'	Flight Date: August 01, 1982	USDA
1976	1"=500'	Flight Date: June 27, 1976	USGS
1952	1"=500'	Flight Date: September 14, 1952	USGS

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Road 3 Northeast

3265 ROAD E.5 NE

MOSES LAKE, WA 98837

Inquiry Number: 6137401.8

July 29, 2020

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Appendix D

Historical Research Records

Historical Aerial Photographs
Building Department Records
Historical Topographic Maps
Local Street Directories

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Wells

Source: Department of Health

Telephone: 360-236-3148

Group A and B well locations.

Water Well Listing

Source: Public Utility District

Telephone: 206-779-7656

A listing of water well locations in Kitsap County.

Ecology Well Logs

Source: Department of Ecology

Telephone: 360-407-7294

Point geodatabase with a record for each Ecology well report. Points are located by quarter quarter section centroid.

Points contain all well report types including water wells, resource protection wells, and decommissioned wells.

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Listing

Source: Department of Natural Resources

Telephone: 360-902-1450

Locations that represent oil and gas test well sites in Washington State from 1890 to present.

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Ecology

Telephone: 360-407-6121

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for GRANT County: 2

- Note: Zone 1 Indoor average level > 4 pCi/L.
 : Zone 2 Indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 Indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 98837

Number of sites tested: 17

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.282 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.817 pCi/L	67%	33%	0%

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

129
NNW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000157779

Database:	Ecology Well Logs	Well Log ID:	171397
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	03-APR-89
Diameter:	6	Casing Depth:	96
Well Completion:	30-MAR-89	Well Owner:	Patricia Solomon
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

130
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000156666

Database:	Ecology Well Logs	Well Log ID:	170046
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	16-JAN-75
Diameter:	6	Casing Depth:	49
Well Completion:	20-DEC-74	Well Owner:	Lewis Gallaway
Well Type:	Water	Driller #:	0214
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

131
North
1/2 - 1 Mile
Higher

FED USGS USGS40001248353

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/27E-12L01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	19010101
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	90		
Well Hole Depth:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1949-08-01
Feet below surface:	80	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

W126
East
1/2 - 1 Mile
Lower

WA WELLS WALOG1000157100

Database:	Ecology Well Logs	Well Log ID:	170584
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	W080296	Date Received:	20-SEP-96
Diameter:	6	Casing Depth:	58
Well Completion:	20-JUL-96	Well Owner:	Mccollough Home Center Ray Justesen
Well Type:	Water	Driller #:	0518
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

127
SE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000155611

Database:	Ecology Well Logs	Well Log ID:	168785
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	16-NOV-87
Diameter:	6	Casing Depth:	178
Well Completion:	10-NOV-87	Well Owner:	Jim Tonkin
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

128
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40001247822

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/28E-18E01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	19450101
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	66.3		
Well Hole Depth:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1945-08-31
Feet below surface:	64	Feet to sea level:	Not Reported
Note:	The site was being pumped.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	62.5	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels, Number of Measurements:	1	Level reading date:	1942-07-11
Feet below surface:	60	Feet to sea level:	Not Reported
Note:	The site was being pumped.		

X123
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40001247418

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/28E-18P02	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	19450101
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	51		
Well Hole Depth:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1945-08-31
Feet below surface:	48	Feet to sea level:	Not Reported
Note:	Not Reported		

W124
East
1/2 - 1 Mile
Lower

WA WELLS WALOG1000159731

Database:	Ecology Well Logs	Well Log ID:	173795
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	12-AUG-96
Diameter:	4	Casing Depth:	89
Well Completion:	Not Reported	Well Owner:	Van E. Byam
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

W125
East
1/2 - 1 Mile
Lower

WA WELLS WALOG1000158276

Database:	Ecology Well Logs	Well Log ID:	172005
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	10-MAR-46
Diameter:	4.5	Casing Depth:	62
Well Completion:	01-APR-36	Well Owner:	Richard Cobia
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	280		
Source Susceptibility:	Moderate Susceptibility to Contaminants		
System Name:	Westshore Water Company	Public Water System Group:	A
System Type:	Community Water System	Full Time Res Pop:	148
Total Population Served:	148	Total Connections:	46
PWS Status:	Active	Residential Connections:	46
DOE Well Tag:	Not Reported	Capacity (GPM):	80
Influenced by Droughts:	N	Influenced by Flooding:	N
Influenced by Surface Water:	U		

120
WNW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000151067

Database:	Ecology Well Logs	Well Log ID:	163172
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	28-SEP-80
Diameter:	6	Casing Depth:	84
Well Completion:	29-AUG-80	Well Owner:	Andrew Taylor
Well Type:	Water	Driller #:	1155
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

W121
East
1/2 - 1 Mile
Lower

WA WELLS WA1100000016989

Database:	Water Wells	PWS ID:	34644
Source #:	01	Source Name:	WELL
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	01/01/1970
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	185	Source Susceptibility:	High Susceptibility to Contaminants
System Name:	JAHN/ALSTED WATER SYSTEM	Public Water System Group:	B
System Type:	Group B Water System	Full Time Res Pop:	5
Total Population Served:	5	Total Connections:	2
PWS Status:	Active	Residential Connections:	2
DOE Well Tag:	Not Reported	Capacity (GPM):	50
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	U		

X122
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40001247417

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/28E-18P01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Drainage Area:	Not Reported		
Contrib Drainage Area:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

V116
NNW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000161746

Database:	Ecology Well Logs	Well Log ID:	176137
Well Tag:	ACL311	Project Tag:	Not Reported
Notice of Intent #:	W086619	Date Received:	27-NOV-96
Diameter:	6	Casing Depth:	100
Well Completion:	22-JUL-96	Well Owner:	Gunderson Properties
Well Type:	Water	Driller #:	1267
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

V117
NNW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000157920

Database:	Ecology Well Logs	Well Log ID:	171563
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	W021023	Date Received:	10-JUN-94
Diameter:	6	Casing Depth:	235
Well Completion:	06-JUN-94	Well Owner:	Peter Bulba
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

V118
NNW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000161536

Database:	Ecology Well Logs	Well Log ID:	175912
Well Tag:	ACE915	Project Tag:	Not Reported
Notice of Intent #:	W086598	Date Received:	17-JUL-96
Diameter:	6	Casing Depth:	100
Well Completion:	01-MAY-96	Well Owner:	Gunderson Properties
Well Type:	Water	Driller #:	1267
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

119
East
1/2 - 1 Mile
Lower

WA WELLS WA1100000021723

Database:	Water Wells	PWS ID:	56143
Source #:	01	Source Name:	Well #1 AFA224
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	01/01/1970

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Completion:	01-JUN-67	Well Owner:	C. S. Spoelstra
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

U113
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG1000308134

Database:	Ecology Well Logs	Well Log ID:	389666
Well Tag:	AKJ930	Project Tag:	Not Reported
Notice of Intent #:	W177315	Date Received:	25-OCT-04
Diameter:	6	Casing Depth:	200
Well Completion:	17-SEP-04	Well Owner:	Heather Brown
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

V114
NNW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000161747

Database:	Ecology Well Logs	Well Log ID:	176138
Well Tag:	ACL312	Project Tag:	Not Reported
Notice of Intent #:	W086620	Date Received:	27-NOV-96
Diameter:	6	Casing Depth:	200
Well Completion:	23-JUL-96	Well Owner:	Gunderson Properties
Well Type:	Water	Driller #:	1267
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

V115
NNW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000161765

Database:	Ecology Well Logs	Well Log ID:	176156
Well Tag:	ACL953	Project Tag:	Not Reported
Notice of Intent #:	W087585	Date Received:	11-JUN-97
Diameter:	6	Casing Depth:	120
Well Completion:	15-JAN-97	Well Owner:	Gunderson Properties
Well Type:	Water	Driller #:	1267
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

S109
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000373072

Database:	Ecology Well Logs	Well Log ID:	475541
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	W081425	Date Received:	15-SEP-97
Diameter:	6	Casing Depth:	130
Well Completion:	13-AUG-97	Well Owner:	Mj Development
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

T110
SW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000154017

Database:	Ecology Well Logs	Well Log ID:	166830
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	04-JAN-83
Diameter:	8	Casing Depth:	60
Well Completion:	24-AUG-81	Well Owner:	Freddie Pryor
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

T111
SW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000427577

Database:	Ecology Well Logs	Well Log ID:	552719
Well Tag:	AFS718	Project Tag:	Not Reported
Notice of Intent #:	W110984	Date Received:	05-JUN-08
Diameter:	6	Casing Depth:	220
Well Completion:	19-AUG-00	Well Owner:	Tony Malers
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

U112
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG1000151814

Database:	Ecology Well Logs	Well Log ID:	164113
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	16-JUN-67
Diameter:	10	Casing Depth:	81

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

S106
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000156857

Database:	Ecology Well Logs	Well Log ID:	170286
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	W057592	Date Received:	15-SEP-97
Diameter:	6	Casing Depth:	130
Well Completion:	03-APR-96	Well Owner:	Mj Development
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

S107
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000373074

Database:	Ecology Well Logs	Well Log ID:	475543
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	W081417	Date Received:	21-AUG-98
Diameter:	6	Casing Depth:	130
Well Completion:	30-APR-97	Well Owner:	Mj Development
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

S108
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000373073

Database:	Ecology Well Logs	Well Log ID:	475542
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	W081418	Date Received:	21-AUG-98
Diameter:	6	Casing Depth:	130
Well Completion:	02-MAY-97	Well Owner:	Mj Development
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Source Use:	Permanent	Date Source Effective:	06/13/2005
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	0	Source Susceptibility:	High Susceptibility to Contaminants
System Name:	Hunt	Public Water System Group:	B
System Type:	Group B Water System	Full Time Res Pop:	6
Total Population Served:	6	Total Connections:	4
PWS Status:	Active	Residential Connections:	4
DOE Well Tag:	Not Reported	Capacity (GPM):	0
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	U		

103
SSE
 1/2 - 1 Mile
 Lower

WA WELLS WALOG1000152311

Database:	Ecology Well Logs	Well Log ID:	164745
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	01-MAY-44
Diameter:	32	Casing Depth:	558
Well Completion:	01-NOV-43	Well Owner:	Clinton Cordell
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

104
SSE
 1/2 - 1 Mile
 Lower

FED USGS USGS40001247058

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/27E-24H01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	19441201
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	55.5		
Well Hole Depth:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1945-09-01
Feet below surface:	53	Feet to sea level:	Not Reported
Note:	Not Reported		

S105
ESE
 1/2 - 1 Mile
 Lower

WA WELLS WALOG1000331754

Database:	Ecology Well Logs	Well Log ID:	416998
Well Tag:	ALC095	Project Tag:	Not Reported
Notice of Intent #:	W187182	Date Received:	13-SEP-05
Diameter:	6	Casing Depth:	140
Well Completion:	21-JUL-05	Well Owner:	Peter Radchishin

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	89	Source Susceptibility:	Not Reported
System Name:	KINGMA WATER SYSTEM	Public Water System Group:	B
System Type:	Group B Water System	Full Time Res Pop:	10
Total Population Served:	10	Total Connections:	4
PWS Status:	Active	Residential Connections:	4
DOE Well Tag:	Not Reported	Capacity (GPM):	35
Influenced by Droughts:	N	Influenced by Flooding:	N
Influenced by Surface Water:	Not Reported		

R100
NNE
 1/2 - 1 Mile
 Higher

WA WELLS WA1100000029560

Database:	Water Wells	PWS ID:	AB119
Source #:	01	Source Name:	Well #1 - AHG526
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	06/13/2005
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	0	Source Susceptibility:	High Susceptibility to Contaminants
System Name:	Barrett	Public Water System Group:	B
System Type:	Group B Water System	Full Time Res Pop:	1
Total Population Served:	1	Total Connections:	4
PWS Status:	Active	Residential Connections:	4
DOE Well Tag:	Not Reported	Capacity (GPM):	0
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	U		

R101
NNE
 1/2 - 1 Mile
 Higher

WA WELLS WA1100000030144

Database:	Water Wells	PWS ID:	AB682
Source #:	01	Source Name:	Well #1 - ACW225
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	02/16/2007
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	0	Source Susceptibility:	High Susceptibility to Contaminants
System Name:	K2 Water System	Public Water System Group:	B
System Type:	Group B Water System	Full Time Res Pop:	6
Total Population Served:	6	Total Connections:	4
PWS Status:	Active	Residential Connections:	4
DOE Well Tag:	Not Reported	Capacity (GPM):	30
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	Not Reported		

R102
NNE
 1/2 - 1 Mile
 Higher

WA WELLS WA1100000029561

Database:	Water Wells	PWS ID:	AB120
Source #:	01	Source Name:	Well #1 - AKJ670
Source Status:	Active	Source Type:	Ground Water - Well

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

R96
NNE
1/2 - 1 Mile
Higher

WA WELLS WALOG1000161691

Database:	Ecology Well Logs	Well Log ID:	176079
Well Tag:	ACK769	Project Tag:	Not Reported
Notice of Intent #:	W091457	Date Received:	24-APR-97
Diameter:	6	Casing Depth:	90
Well Completion:	07-APR-97	Well Owner:	San Ra
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

R97
NNE
1/2 - 1 Mile
Higher

WA WELLS WALOG1000161698

Database:	Ecology Well Logs	Well Log ID:	176086
Well Tag:	ACK779	Project Tag:	Not Reported
Notice of Intent #:	W091463	Date Received:	16-MAY-97
Diameter:	6	Casing Depth:	92
Well Completion:	08-MAY-97	Well Owner:	San Ra (Hartley/Dillon)
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

R98
NNE
1/2 - 1 Mile
Higher

WA WELLS WALOG1000562660

Database:	Ecology Well Logs	Well Log ID:	800593
Well Tag:	BCL082	Project Tag:	Not Reported
Notice of Intent #:	W278106	Date Received:	26-APR-12
Diameter:	6	Casing Depth:	100
Well Completion:	20-MAR-12	Well Owner:	Ken And Valerie Oliver
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

R99
NNE
1/2 - 1 Mile
Higher

WA WELLS WA1100000031654

Database:	Water Wells	PWS ID:	AD137
Source #:	01	Source Name:	Well #1 - ACK782
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	01/14/2014

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Completion: 16-OCT-97
 Well Type: Water
 Static Level: 0
 Flow Type: Not Reported
 Well Test: Not Reported

Well Owner: San Ra
 Driller #: Not Reported
 Flow Rate (GPM): 0
 PSI: 0
 Water Reclamation #: 41

R93
NNE
 1/2 - 1 Mile
 Higher

WA WELLS WALOG1000366469

Database: Ecology Well Logs
 Well Tag: ACW224
 Notice of Intent #: W091459
 Diameter: 6
 Well Completion: 15-OCT-97
 Well Type: Water
 Static Level: 0
 Flow Type: Not Reported
 Well Test: Not Reported

Well Log ID: 466232
 Project Tag: Not Reported
 Date Received: 24-OCT-97
 Casing Depth: 88
 Well Owner: San Ra Hartley
 Driller #: Not Reported
 Flow Rate (GPM): 0
 PSI: 0
 Water Reclamation #: 41

R94
NNE
 1/2 - 1 Mile
 Higher

WA WELLS WALOG1000161699

Database: Ecology Well Logs
 Well Tag: ACK780
 Notice of Intent #: W091461
 Diameter: 6
 Well Completion: 09-MAY-97
 Well Type: Water
 Static Level: 0
 Flow Type: Not Reported
 Well Test: Not Reported

Well Log ID: 176087
 Project Tag: Not Reported
 Date Received: 16-MAY-97
 Casing Depth: 98
 Well Owner: San Ra (Hartley)
 Driller #: 0469
 Flow Rate (GPM): 0
 PSI: 0
 Water Reclamation #: 41

R95
NNE
 1/2 - 1 Mile
 Higher

WA WELLS WALOG1000161434

Database: Ecology Well Logs
 Well Tag: ACW226
 Notice of Intent #: W091689
 Diameter: 6
 Well Completion: 17-OCT-97
 Well Type: Water
 Static Level: 0
 Flow Type: Not Reported
 Well Test: Not Reported

Well Log ID: 175802
 Project Tag: Not Reported
 Date Received: 03-NOV-97
 Casing Depth: 89
 Well Owner: Sam Ra
 Driller #: 0469
 Flow Rate (GPM): 0
 PSI: 0
 Water Reclamation #: 41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

Q89
East
1/2 - 1 Mile
Lower

WA WELLS WALOG1000154511

Database:	Ecology Well Logs	Well Log ID:	167431
Well Tag:	AFA224	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	11-OCT-84
Diameter:	8	Casing Depth:	280
Well Completion:	08-SEP-84	Well Owner:	Greg Velirs
Well Type:	Water	Driller #:	0591
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

Q90
East
1/2 - 1 Mile
Lower

WA WELLS WALOG1000501468

Database:	Ecology Well Logs	Well Log ID:	681709
Well Tag:	BAC645	Project Tag:	Not Reported
Notice of Intent #:	W274473	Date Received:	08-SEP-10
Diameter:	6	Casing Depth:	300
Well Completion:	16-AUG-10	Well Owner:	Ben Justesen
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

R91
NNE
1/2 - 1 Mile
Higher

WA WELLS WALOG1000161701

Database:	Ecology Well Logs	Well Log ID:	176089
Well Tag:	ACK782	Project Tag:	Not Reported
Notice of Intent #:	W091462	Date Received:	27-MAY-97
Diameter:	6	Casing Depth:	89
Well Completion:	15-MAY-97	Well Owner:	San Ra Kingman
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

R92
NNE
1/2 - 1 Mile
Higher

WA WELLS WALOG1000366468

Database:	Ecology Well Logs	Well Log ID:	466231
Well Tag:	ACW225	Project Tag:	Not Reported
Notice of Intent #:	W091460	Date Received:	24-OCT-97
Diameter:	6	Casing Depth:	90

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Influenced by Droughts: N
 Influenced by Surface Water: U

Influenced by Flooding: N

P86
NNW
 1/2 - 1 Mile
 Higher

WA WELLS WALOG1000161743

Database: Ecology Well Logs
 Well Tag: ACL301
 Notice of Intent #: W086610
 Diameter: 6
 Well Completion: 14-JUN-96
 Well Type: Water
 Static Level: 0
 Flow Type: Not Reported
 Well Test: Not Reported

Well Log ID: 176134
 Project Tag: Not Reported
 Date Received: 17-JUL-96
 Casing Depth: 100
 Well Owner: Renae Wilson
 Driller #: 1267
 Flow Rate (GPM): 0
 PSI: 0
 Water Reclamation #: 41

P87
NNW
 1/2 - 1 Mile
 Higher

WA WELLS WALOG1000161010

Database: Ecology Well Logs
 Well Tag: ABP636
 Notice of Intent #: W046288
 Diameter: 6
 Well Completion: 18-OCT-94
 Well Type: Water
 Static Level: 0
 Flow Type: Not Reported
 Well Test: Not Reported

Well Log ID: 175352
 Project Tag: Not Reported
 Date Received: 17-NOV-94
 Casing Depth: 100
 Well Owner: Lisa Marrow
 Driller #: 0116
 Flow Rate (GPM): 0
 PSI: 0
 Water Reclamation #: 41

P88
NNW
 1/2 - 1 Mile
 Higher

WA WELLS WALOG1000157508

Database: Ecology Well Logs
 Well Tag: Not Reported
 Notice of Intent #: Not Reported
 Diameter: 48
 Well Completion: 01-JAN-43
 Well Type: Water
 Static Level: 0
 Flow Type: Not Reported
 Well Test: Not Reported

Well Log ID: 171067
 Project Tag: Not Reported
 Date Received: 15-APR-48
 Casing Depth: 85
 Well Owner: Neldon Richens/James Stevens
 Driller #: Not Reported
 Flow Rate (GPM): 0
 PSI: 0
 Water Reclamation #: 41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

83
NNE
1/2 - 1 Mile
Higher

FED USGS USGS40001248193

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/27E-12Q01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	19010101
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	88.3		
Well Hole Depth:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1953-07-29
Feet below surface:	84	Feet to sea level:	Not Reported
Note:	Not Reported		

O84
North
1/2 - 1 Mile
Higher

WA WELLS WA1100000002670

Database:	Water Wells	PWS ID:	03977
Source #:	01	Source Name:	WELL #1
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	11/08/1994
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	98	Source Susceptibility:	High Susceptibility to Contaminants
System Name:	Stern	Public Water System Group:	B
System Type:	Group B Water System	Full Time Res Pop:	6
Total Population Served:	6	Total Connections:	2
PWS Status:	Active	Residential Connections:	2
DOE Well Tag:	Not Reported	Capacity (GPM):	25
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	U		

85
East
1/2 - 1 Mile
Lower

WA WELLS WA11000000021724

Database:	Water Wells	PWS ID:	56143
Source #:	02	Source Name:	Well #2 ABP858
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	02/08/1996
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	290		
Source Susceptibility:	Moderate Susceptibility to Contaminants		
System Name:	Westshore Water Company	Public Water System Group:	A
System Type:	Community Water System	Full Time Res Pop:	148
Total Population Served:	148	Total Connections:	46
PWS Status:	Active	Residential Connections:	46
DOE Well Tag:	Not Reported	Capacity (GPM):	100

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

O80
 North
 1/2 - 1 Mile
 Higher

WA WELLS WALOG1000544856

Database:	Ecology Well Logs	Well Log ID:	765594
Well Tag:	BCL085	Project Tag:	Not Reported
Notice of Intent #:	W278105	Date Received:	03-JAN-12
Diameter:	6	Casing Depth:	106
Well Completion:	23-DEC-11	Well Owner:	Tiffany Gayla
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

O81
 North
 1/2 - 1 Mile
 Higher

WA WELLS WALOG1000157034

Database:	Ecology Well Logs	Well Log ID:	170498
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	18-MAY-93
Diameter:	6	Casing Depth:	117
Well Completion:	03-MAY-93	Well Owner:	Marvin Randolph
Well Type:	Water	Driller #:	1449
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

K82
 NNW
 1/2 - 1 Mile
 Higher

FED USGS USGS40001248194

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/27E-12P02	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	19560901
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	75		
Well Hole Depth:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1956-09-25
Feet below surface:	64	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Completion:	23-MAY-95	Well Owner:	John/Mary Shipley
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

M77
NE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000324578

Database:	Ecology Well Logs	Well Log ID:	407932
Well Tag:	ACL076	Project Tag:	Not Reported
Notice of Intent #:	W187159	Date Received:	10-MAY-05
Diameter:	6	Casing Depth:	348
Well Completion:	27-APR-05	Well Owner:	Slim Denney
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

N78
SE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000151902

Database:	Ecology Well Logs	Well Log ID:	164214
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	03-APR-92
Diameter:	6	Casing Depth:	170
Well Completion:	31-JAN-92	Well Owner:	Carmel Gallaway
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

N79
SE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000442616

Database:	Ecology Well Logs	Well Log ID:	573332
Well Tag:	BAM574	Project Tag:	Not Reported
Notice of Intent #:	W267210	Date Received:	09-MAR-09
Diameter:	8	Casing Depth:	210
Well Completion:	15-SEP-08	Well Owner:	Grant Co Road Dist
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

L73
WNW
1/2 - 1 Mile
Lower

WA WELLS WALOG1000427578

Database:	Ecology Well Logs	Well Log ID:	552720
Well Tag:	AFS719	Project Tag:	Not Reported
Notice of Intent #:	W110985	Date Received:	05-JUN-08
Diameter:	8	Casing Depth:	210
Well Completion:	25-AUG-00	Well Owner:	Ron Graff
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

L74
WNW
1/2 - 1 Mile
Lower

WA WELLS WALOG1000156478

Database:	Ecology Well Logs	Well Log ID:	169807
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	01-AUG-77
Diameter:	8	Casing Depth:	143
Well Completion:	09-JUL-77	Well Owner:	Larry Schwab
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

L75
WNW
1/2 - 1 Mile
Lower

WA WELLS WALOG1000161030

Database:	Ecology Well Logs	Well Log ID:	175372
Well Tag:	ABP768	Project Tag:	Not Reported
Notice of Intent #:	W057585	Date Received:	15-SEP-97
Diameter:	6	Casing Depth:	200
Well Completion:	28-NOV-96	Well Owner:	Bill Fielding
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

M76
NE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000160888

Database:	Ecology Well Logs	Well Log ID:	175210
Well Tag:	ABM483	Project Tag:	Not Reported
Notice of Intent #:	W059984	Date Received:	26-MAY-95
Diameter:	6	Casing Depth:	265

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

K71
NNW
1/2 - 1 Mile
Higher

FED USGS USGS40001248156

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/27E-12P01	Type:	Well
Description:	Not Reported	HUC:	17020015
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19580501
Well Depth:	85	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels, Number of Measurements:	6	Level reading date:	1983-02-10
Feet below surface:	66.46	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1978-02-15	Feet below surface:	65.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-26	Feet below surface:	67.29
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1968-03-01	Feet below surface:	58.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-05	Feet below surface:	63.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-01	Feet below surface:	62.84
Feet to sea level:	Not Reported	Note:	Not Reported

72
WSW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000151097

Database:	Ecology Well Logs	Well Log ID:	163213
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	02-MAY-78
Diameter:	12	Casing Depth:	125
Well Completion:	26-MAY-70	Well Owner:	Arlen Dean
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Completion:	23-AUG-98	Well Owner:	Robert/Kathleen Hindman
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

68
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40001247823

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/28E-18F01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	19480101
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	65		
Well Hole Depth:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1953-07-27
Feet below surface:	59	Feet to sea level:	Not Reported
Note:	Not Reported		

69
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000161038

Database:	Ecology Well Logs	Well Log ID:	175380
Well Tag:	ABP858	Project Tag:	Not Reported
Notice of Intent #:	W021089	Date Received:	11-JUL-95
Diameter:	8	Casing Depth:	290
Well Completion:	06-MAR-95	Well Owner:	Westshore Water Co.
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

70
West
1/2 - 1 Mile
Higher

WA WELLS WALOG1000427559

Database:	Ecology Well Logs	Well Log ID:	552701
Well Tag:	AFS704	Project Tag:	Not Reported
Notice of Intent #:	W106100	Date Received:	05-JUN-08
Diameter:	6	Casing Depth:	230
Well Completion:	05-JUN-08	Well Owner:	Will Latham
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

J64
NW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000151179

Database:	Ecology Well Logs	Well Log ID:	163318
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	14-SEP-78
Diameter:	8	Casing Depth:	85
Well Completion:	01-SEP-78	Well Owner:	Atlee Miles
Well Type:	Water	Driller #:	0228
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

J65
NW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000715669

Database:	Ecology Well Logs	Well Log ID:	1559815
Well Tag:	BIU811	Project Tag:	Not Reported
Notice of Intent #:	WE23711	Date Received:	02-MAY-16
Diameter:	8	Casing Depth:	210
Well Completion:	21-APR-16	Well Owner:	Harold Beebe
Well Type:	Water	Driller #:	2986
Static Level:	0	Flow Rate (GPM):	80
Flow Type:	Static Level	PSI:	0
Well Test:	Air Test	Water Reclamation #:	41

J66
NW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000162248

Database:	Ecology Well Logs	Well Log ID:	176670
Well Tag:	ACX810	Project Tag:	Not Reported
Notice of Intent #:	W090316	Date Received:	14-MAY-98
Diameter:	6	Casing Depth:	200
Well Completion:	18-APR-98	Well Owner:	Rick Ambers
Well Type:	Water	Driller #:	1267
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

J67
NW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000162132

Database:	Ecology Well Logs	Well Log ID:	176548
Well Tag:	ACW283	Project Tag:	Not Reported
Notice of Intent #:	W101782	Date Received:	03-SEP-98
Diameter:	6	Casing Depth:	120

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground water levels, Number of Measurements:	1	Level reading date:	1942-07-11
Feet below surface:	55	Feet to sea level:	Not Reported
Note:	Not Reported		

61
NE
1/2 - 1 Mile
Higher

WA WELLS WA110000002234

Database:	Water Wells	PWS ID:	04507
Source #:	01	Source Name:	WELL #1 (lot 3)
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	05/23/1995
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	110	Source Susceptibility:	High Susceptibility to Contaminants
System Name:	HORIZON ESTATES WATER SYSTEM		
Public Water System Group:	B	System Type:	Group B Water System
Full Time Res Pop:	17	Total Population Served:	17
Total Connections:	6	PWS Status:	Active
Residential Connections:	6	DOE Well Tag:	Not Reported
Capacity (GPM):	50	Influenced by Droughts:	Not Reported
Influenced by Flooding:	Not Reported	Influenced by Surface Water:	U

62
SW
1/2 - 1 Mile
Lower

WA WELLS WALOG1000152047

Database:	Ecology Well Logs	Well Log ID:	164387
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	10-JUL-50
Diameter:	42	Casing Depth:	75
Well Completion:	10-APR-50	Well Owner:	Chas. P. Carrol
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

J63
NW
1/2 - 1 Mile
Higher

WA WELLS WALOG1000160115

Database:	Ecology Well Logs	Well Log ID:	174283
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	11-APR-74
Diameter:	6	Casing Depth:	96
Well Completion:	05-APR-74	Well Owner:	Weslie R. Mackie
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Completion:	22-JUL-97	Well Owner:	Slav Kozyarsky
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I58
ESE
 1/2 - 1 Mile
 Lower

WA WELLS WALOG1000162440

Database:	Ecology Well Logs	Well Log ID:	176879
Well Tag:	AEL164	Project Tag:	Not Reported
Notice of Intent #:	W098513	Date Received:	05-APR-99
Diameter:	6	Casing Depth:	105
Well Completion:	04-MAR-99	Well Owner:	Ron Gear
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I59
ESE
 1/2 - 1 Mile
 Lower

WA WELLS WA110000001463

Database:	Water Wells	PWS ID:	03776
Source #:	01	Source Name:	PFEIFFER WELL #1
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	08/25/1994
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	61	Source Susceptibility:	High Susceptibility to Contaminants
System Name:	PFEIFFER WELL	Public Water System Group:	B
System Type:	Group B Water System	Full Time Res Pop:	7
Total Population Served:	7	Total Connections:	2
PWS Status:	Active	Residential Connections:	2
DOE Well Tag:	Not Reported	Capacity (GPM):	20
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	U		

I60
ESE
 1/2 - 1 Mile
 Lower

FED USGS USGS40001247459

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/28E-18N01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	19360401
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	59		
Well Hole Depth:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I54
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000372059

Database:	Ecology Well Logs	Well Log ID:	474234
Well Tag:	ACK731	Project Tag:	Not Reported
Notice of Intent #:	W081987	Date Received:	09-OCT-96
Diameter:	6	Casing Depth:	278
Well Completion:	27-SEP-96	Well Owner:	Mark/Tanya Avena
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I55
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000162439

Database:	Ecology Well Logs	Well Log ID:	176878
Well Tag:	AEL163	Project Tag:	Not Reported
Notice of Intent #:	W098512	Date Received:	05-APR-99
Diameter:	6	Casing Depth:	130
Well Completion:	03-MAR-99	Well Owner:	Ron Gear
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I56
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000162105

Database:	Ecology Well Logs	Well Log ID:	176520
Well Tag:	ACW245	Project Tag:	Not Reported
Notice of Intent #:	W094436	Date Received:	10-APR-98
Diameter:	6	Casing Depth:	59
Well Completion:	06-APR-98	Well Owner:	Dustin/Jamie Campbell
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I57
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000272987

Database:	Ecology Well Logs	Well Log ID:	349925
Well Tag:	ACL167	Project Tag:	Not Reported
Notice of Intent #:	W088499	Date Received:	29-AUG-97
Diameter:	6	Casing Depth:	70

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Completion:	07-APR-07	Well Owner:	Aleksy/Mari Nakonechney
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I51
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000372060

Database:	Ecology Well Logs	Well Log ID:	474235
Well Tag:	ACL335	Project Tag:	Not Reported
Notice of Intent #:	W087568	Date Received:	27-NOV-96
Diameter:	6	Casing Depth:	72
Well Completion:	11-OCT-96	Well Owner:	Anatoly Pilipaka
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I52
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000812785

Database:	Ecology Well Logs	Well Log ID:	1784594
Well Tag:	BKB094	Project Tag:	Not Reported
Notice of Intent #:	WE31816	Date Received:	23-AUG-18
Diameter:	6	Casing Depth:	200
Well Completion:	19-JUL-18	Well Owner:	Cmh Homes Inc
Well Type:	Water	Driller #:	2996
Static Level:	77	Flow Rate (GPM):	30
Flow Type:	Static Level	PSI:	0
Well Test:	Air Test	Water Reclamation #:	41

I53
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000784460

Database:	Ecology Well Logs	Well Log ID:	1711419
Well Tag:	BKB071	Project Tag:	Not Reported
Notice of Intent #:	WE30363	Date Received:	18-JUN-18
Diameter:	6	Casing Depth:	200
Well Completion:	24-MAY-18	Well Owner:	Pat And Penny Becker
Well Type:	Water	Driller #:	2996
Static Level:	84	Flow Rate (GPM):	16
Flow Type:	Static Level	PSI:	0
Well Test:	Air Test	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I47
ESE
1/2 - 1 Mile
Lower **WA WELLS** **WALOG1000161473**

Database:	Ecology Well Logs	Well Log ID:	175843
Well Tag:	ACC773	Project Tag:	Not Reported
Notice of Intent #:	W060984	Date Received:	23-OCT-95
Diameter:	6	Casing Depth:	287
Well Completion:	17-OCT-95	Well Owner:	Frank Townsend
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I48
ESE
1/2 - 1 Mile
Lower **WA WELLS** **WALOG1000157206**

Database:	Ecology Well Logs	Well Log ID:	170713
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	05-APR-91
Diameter:	6	Casing Depth:	76
Well Completion:	21-MAR-91	Well Owner:	Michael Moore
Well Type:	Water	Driller #:	1544
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I49
ESE
1/2 - 1 Mile
Lower **WA WELLS** **WALOG1000162085**

Database:	Ecology Well Logs	Well Log ID:	176500
Well Tag:	ACW209	Project Tag:	Not Reported
Notice of Intent #:	W091672	Date Received:	02-SEP-97
Diameter:	6	Casing Depth:	59
Well Completion:	14-AUG-97	Well Owner:	Jose & Cleopatra Noyola
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I50
ESE
1/2 - 1 Mile
Lower **WA WELLS** **WALOG1000372884**

Database:	Ecology Well Logs	Well Log ID:	475333
Well Tag:	APT095	Project Tag:	Not Reported
Notice of Intent #:	W255323	Date Received:	12-APR-07
Diameter:	6	Casing Depth:	285

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Completion:	12-AUG-96	Well Owner:	Vern Millican
Well Type:	Water	Driller #:	1267
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I44
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000161694

Database:	Ecology Well Logs	Well Log ID:	176082
Well Tag:	ACK772	Project Tag:	Not Reported
Notice of Intent #:	W091485	Date Received:	24-APR-97
Diameter:	6	Casing Depth:	302
Well Completion:	17-APR-97	Well Owner:	Don/Ann Rose
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I45
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000157013

Database:	Ecology Well Logs	Well Log ID:	170476
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	06-MAY-91
Diameter:	6	Casing Depth:	56
Well Completion:	27-APR-91	Well Owner:	Martin Pfeiffer
Well Type:	Water	Driller #:	1030
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I46
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000153774

Database:	Ecology Well Logs	Well Log ID:	166519
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	W004929	Date Received:	29-NOV-93
Diameter:	6	Casing Depth:	70
Well Completion:	14-SEP-93	Well Owner:	Eulilo Chevez
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

40
ENE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000154980

Database:	Ecology Well Logs	Well Log ID:	168027
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	13-MAR-91
Diameter:	6	Casing Depth:	100
Well Completion:	07-MAR-92	Well Owner:	Irene Gamble
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I41
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000161660

Database:	Ecology Well Logs	Well Log ID:	176045
Well Tag:	ACK706	Project Tag:	Not Reported
Notice of Intent #:	W080443	Date Received:	02-JUL-96
Diameter:	6	Casing Depth:	59
Well Completion:	21-JUN-96	Well Owner:	Ronald Zumwalt
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I42
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000161476

Database:	Ecology Well Logs	Well Log ID:	175846
Well Tag:	ACC779	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	29-DEC-95
Diameter:	6	Casing Depth:	59
Well Completion:	24-NOV-95	Well Owner:	Kurt Devine
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

I43
ESE
1/2 - 1 Mile
Lower

WA WELLS WALOG1000161751

Database:	Ecology Well Logs	Well Log ID:	176142
Well Tag:	ACL319	Project Tag:	Not Reported
Notice of Intent #:	W087552	Date Received:	27-NOV-96
Diameter:	6	Casing Depth:	70

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

37
North
1/2 - 1 Mile
Higher

FED USGS USGS40001248034

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/27E-13C01	Type:	Well
Description:	Not Reported	HUC:	17020015
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19520701
Well Depth:	96	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1952-07-01
Feet below surface:	69	Feet to sea level:	Not Reported
Note:	Not Reported		

38
North
1/2 - 1 Mile
Higher

FED USGS USGS40001248033

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/27E-13B01	Type:	Well
Description:	Not Reported	HUC:	17020015
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19450518
Well Depth:	85	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1945-05-18
Feet below surface:	81	Feet to sea level:	Not Reported
Note:	Not Reported		

39
SW
1/2 - 1 Mile
Lower

FED USGS USGS40001247337

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/27E-13N01	Type:	Well
Description:	Not Reported	HUC:	17020015
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	83	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

34
West
1/2 - 1 Mile
Lower

FED USGS USGS40001247610

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/27E-24H02	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Glacio-Fluviatile
Contrib Drainage Area:	Not Reported	Construction Date:	19670101
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	ft
Well Depth:	96		
Well Hole Depth:	96		

Ground water levels, Number of Measurements:	1	Level reading date:	1974-04-05
Feet below surface:	60	Feet to sea level:	Not Reported
Note:	Not Reported		

H35
NNE
1/2 - 1 Mile
Higher

WA WELLS WALOG1000161635

Database:	Ecology Well Logs	Well Log ID:	176018
Well Tag:	ACK318	Project Tag:	Not Reported
Notice of Intent #:	W088548	Date Received:	14-MAY-98
Diameter:	6	Casing Depth:	180
Well Completion:	25-FEB-98	Well Owner:	Larry/Gloria Mann
Well Type:	Water	Driller #:	1267
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

H36
NNE
1/2 - 1 Mile
Higher

WA WELLS WALOG1000156386

Database:	Ecology Well Logs	Well Log ID:	169700
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	10-AUG-93
Diameter:	6	Casing Depth:	190
Well Completion:	04-JUL-93	Well Owner:	Laddie Avery
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Completion:	26-NOV-07	Well Owner:	Wayne Morgan
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

G31
East
1/2 - 1 Mile
Lower

WA WELLS WALOG1000372885

Database:	Ecology Well Logs	Well Log ID:	475334
Well Tag:	APT083	Project Tag:	Not Reported
Notice of Intent #:	W255307	Date Received:	12-APR-07
Diameter:	6	Casing Depth:	280
Well Completion:	28-FEB-07	Well Owner:	Gordon/Kim Lind
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

G32
East
1/2 - 1 Mile
Lower

WA WELLS WALOG1000352302

Database:	Ecology Well Logs	Well Log ID:	445901
Well Tag:	APG822	Project Tag:	Not Reported
Notice of Intent #:	W244293	Date Received:	27-JUL-06
Diameter:	6	Casing Depth:	300
Well Completion:	11-JUL-06	Well Owner:	Hildaguard Decker
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

G33
East
1/2 - 1 Mile
Lower

WA WELLS WA110000030517

Database:	Water Wells	PWS ID:	AC041
Source #:	01	Source Name:	Well #1 - APG822
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	05/05/2008
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	0	Source Susceptibility:	High Susceptibility to Contaminants
System Name:	Decker	Public Water System Group:	B
System Type:	Group B Water System	Full Time Res Pop:	3
Total Population Served:	3	Total Connections:	3
PWS Status:	Active	Residential Connections:	3
DOE Well Tag:	Not Reported	Capacity (GPM):	22
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

G27
 East
 1/2 - 1 Mile
 Lower

WA WELLS WALOG1000372891

Database:	Ecology Well Logs	Well Log ID:	475341
Well Tag:	APT082	Project Tag:	Not Reported
Notice of Intent #:	W255309	Date Received:	12-APR-07
Diameter:	6	Casing Depth:	280
Well Completion:	27-FEB-07	Well Owner:	Gordon/Kim Lind
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

G28
 East
 1/2 - 1 Mile
 Lower

WA WELLS WALOG1000372886

Database:	Ecology Well Logs	Well Log ID:	475335
Well Tag:	APT081	Project Tag:	Not Reported
Notice of Intent #:	W255308	Date Received:	12-APR-07
Diameter:	6	Casing Depth:	280
Well Completion:	23-FEB-07	Well Owner:	Gordon/Kim Lind
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

G29
 East
 1/2 - 1 Mile
 Lower

WA WELLS WALOG1000398683

Database:	Ecology Well Logs	Well Log ID:	511933
Well Tag:	BAN561	Project Tag:	Not Reported
Notice of Intent #:	W249990	Date Received:	22-JAN-08
Diameter:	6	Casing Depth:	180
Well Completion:	19-NOV-07	Well Owner:	Wayne Morgan
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

G30
 East
 1/2 - 1 Mile
 Lower

WA WELLS WALOG1000398682

Database:	Ecology Well Logs	Well Log ID:	511932
Well Tag:	BAN562	Project Tag:	Not Reported
Notice of Intent #:	W249991	Date Received:	22-JAN-08
Diameter:	6	Casing Depth:	280

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground water levels, Number of Measurements:	13	Level reading date:	1985-02-26
Feet below surface:	39.01	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1984-02-24	Feet below surface:	Not Reported
Feet to sea level:	Not Reported	Note:	The site was dry (no water level recorded).
Note:			
Level reading date:	1983-09-16	Feet below surface:	40.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-02-10	Feet below surface:	40.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-16	Feet below surface:	38.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-06	Feet below surface:	40.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-18	Feet below surface:	39.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-01	Feet below surface:	37.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-23	Feet below surface:	41.39
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1958-05-05	Feet below surface:	41.02
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1949-08-23	Feet below surface:	50.03
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1945-08-31	Feet below surface:	54.76
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1942-07-02	Feet below surface:	51.38
Feet to sea level:	Not Reported	Note:	The site was being pumped.

26
 NNW
 1/2 - 1 Mile
 Higher

WA WELLS WALOG1000308096

Database:	Ecology Well Logs	Well Log ID:	389592
Well Tag:	AKJ901	Project Tag:	Not Reported
Notice of Intent #:	W177384	Date Received:	25-OCT-04
Diameter:	6	Casing Depth:	180
Well Completion:	29-JUN-04	Well Owner:	Clark Stern
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Lower Crab
Well Depth:	110	Source Susceptibility:	High Susceptibility to Contaminants
System Name:	HORIZON ESTATES WATER SYSTEM		
Public Water System Group:	B	System Type:	Group B Water System
Full Time Res Pop:	17	Total Population Served:	17
Total Connections:	6	PWS Status:	Active
Residential Connections:	6	DOE Well Tag:	Not Reported
Capacity (GPM):	50	Influenced by Droughts:	Not Reported
Influenced by Flooding:	Not Reported	Influenced by Surface Water:	U

F23
WNW
 1/2 - 1 Mile
 Higher

WA WELLS WALOG1000155153

Database:	Ecology Well Logs	Well Log ID:	168245
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	05-JUL-48
Diameter:	40	Casing Depth:	87
Well Completion:	01-MAY-48	Well Owner:	Jacob Lybbert & Sons
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

F24
WNW
 1/2 - 1 Mile
 Higher

WA WELLS WALOG1000151437

Database:	Ecology Well Logs	Well Log ID:	163644
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	03-APR-92
Diameter:	6	Casing Depth:	200
Well Completion:	30-JAN-91	Well Owner:	Bill Tracy
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

25
ESE
 1/2 - 1 Mile
 Lower

FED USGS USGS40001247499

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/28E-19D01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Glacio-Fluvial/le
Contrib Drainage Area:	Not Reported	Construction Date:	19350101
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	56.5		
Well Hole Depth:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E19
North
1/2 - 1 Mile
Higher

WA WELLS WALOG1000162435

Database:	Ecology Well Logs	Well Log ID:	176874
Well Tag:	AEL157	Project Tag:	Not Reported
Notice of Intent #:	W098504	Date Received:	24-DEC-98
Diameter:	6	Casing Depth:	190
Well Completion:	21-NOV-98	Well Owner:	Pat Lhevreux
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

E20
North
1/2 - 1 Mile
Higher

WA WELLS WALOG1000152310

Database:	Ecology Well Logs	Well Log ID:	164744
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	18-MAY-45
Diameter:	32	Casing Depth:	85
Well Completion:	01-MAY-45	Well Owner:	Clinton Cordell
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

E21
North
1/2 - 1 Mile
Higher

WA WELLS WALOG1000159882

Database:	Ecology Well Logs	Well Log ID:	173982
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	11-JUN-79
Diameter:	8	Casing Depth:	130
Well Completion:	12-MAY-79	Well Owner:	W. P. Simmons
Well Type:	Water	Driller #:	0376
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

22
NE
1/2 - 1 Mile
Higher

WA WELLS WA110000002235

Database:	Water Wells	PWS ID:	04507
Source #:	02	Source Name:	WELL #2 (lot 9)
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Seasonal	Date Source Effective:	04/18/2002

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

16
SSW
1/4 - 1/2 Mile
Lower

FED USGS USGS40001247269

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/27E-24D01	Type:	Well
Description:	Not Reported	HUC:	17020015
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19500401
Well Depth:	75	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels, Number of Measurements:	1	Level reading date:	1950-04-01
Feet below surface:	68	Feet to sea level:	Not Reported
Note:	Not Reported		

D17
WNW
1/2 - 1 Mile
Lower

FED USGS USGS40001247785

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/27E-13E01	Type:	Well
Description:	Not Reported	HUC:	17020015
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	85	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels, Number of Measurements:	1	Level reading date:	1949-03-15
Feet below surface:	76	Feet to sea level:	Not Reported
Note:	Not Reported		

18
WSW
1/2 - 1 Mile
Lower

WA WELLS WALOG1000155785

Database:	Ecology Well Logs	Well Log ID:	168984
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	20-MAR-45
Diameter:	10	Casing Depth:	83
Well Completion:	20-MAR-45	Well Owner:	John J. Carter
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1978-02-15	Feet below surface:	57.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-26	Feet below surface:	45.41
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1968-03-06	Feet below surface:	55.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-23	Feet below surface:	61.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-06	Feet below surface:	62.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-07-30	Feet below surface:	69
Feet to sea level:	Not Reported	Note:	Not Reported

14
West
1/4 - 1/2 Mile
Higher

WA WELLS WALOG1000160988

Database:	Ecology Well Logs	Well Log ID:	175329
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	W021007	Date Received:	Not Reported
Diameter:	6	Casing Depth:	200
Well Completion:	06-JUN-95	Well Owner:	Eddie Westwood
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

D15
WNW
1/4 - 1/2 Mile
Lower

FED USGS USGS40001247771

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/27E-14H01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	19530101
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	72.6		
Well Hole Depth:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1953-01-01
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The site was dry (no water level recorded).		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

11
NNE
1/4 - 1/2 Mile
Lower

WA WELLS WALOG1000158388

Database:	Ecology Well Logs	Well Log ID:	172137
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	20-SEP-88
Diameter:	6	Casing Depth:	415
Well Completion:	15-SEP-88	Well Owner:	Rick Ames
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

12
ENE
1/4 - 1/2 Mile
Higher

FED USGS USGS40001247770

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/27E-13H01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	19510416
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	106		
Well Hole Depth:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1953-07-29
Feet below surface:	95	Feet to sea level:	Not Reported
Note:	Not Reported		

13
South
1/4 - 1/2 Mile
Lower

FED USGS USGS40001247268

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/27E-24B01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	19480101
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	77		
Well Hole Depth:	Not Reported		

Ground water levels, Number of Measurements:	7	Level reading date:	1983-02-12
Feet below surface:	44.94	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C8
NE
1/4 - 1/2 Mile
Higher

WA WELLS WALOG1000583284

Database:	Ecology Well Logs	Well Log ID:	842550
Well Tag:	BCF555	Project Tag:	Not Reported
Notice of Intent #:	WE14625	Date Received:	25-JAN-13
Diameter:	16	Casing Depth:	187
Well Completion:	24-AUG-12	Well Owner:	Enright John - Sun Ranch Inc
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

C9
NE
1/4 - 1/2 Mile
Higher

WA WELLS WALOG1000152308

Database:	Ecology Well Logs	Well Log ID:	164740
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	16-APR-51
Diameter:	12	Casing Depth:	106
Well Completion:	01-APR-51	Well Owner:	Clint Cordell
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

10
SSE
1/4 - 1/2 Mile
Lower

FED USGS USGS40001247297

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020015
Monitor Location:	19N/27E-13R01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Columbia River Basalt Group
Contrib Drainage Area:	Not Reported	Construction Date:	19640101
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	184		
Well Hole Depth:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1964-09-01
Feet below surface:	41	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Completion:	05-SEP-90	Well Owner:	Alfredo Cruz
Well Type:	Water	Driller #:	0469
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

B5
SSE
1/4 - 1/2 Mile
Lower

WA WELLS WALOG1000152267

Database:	Ecology Well Logs	Well Log ID:	164695
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	24-SEP-64
Diameter:	8	Casing Depth:	184
Well Completion:	24-SEP-64	Well Owner:	Cleafos Cruz
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

B6
SSE
1/4 - 1/2 Mile
Lower

WA WELLS WALOG1000158323

Database:	Ecology Well Logs	Well Log ID:	172062
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	26-FEB-93
Diameter:	6	Casing Depth:	80
Well Completion:	24-NOV-92	Well Owner:	Richard Keith
Well Type:	Water	Driller #:	0116
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

7
SW
1/4 - 1/2 Mile
Lower

WA WELLS WALOG1000162504

Database:	Ecology Well Logs	Well Log ID:	176944
Well Tag:	AEM717	Project Tag:	Not Reported
Notice of Intent #:	W109322	Date Received:	24-NOV-98
Diameter:	6	Casing Depth:	80
Well Completion:	30-OCT-98	Well Owner:	Rusania Stelmakh
Well Type:	Water	Driller #:	1267
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
NNW
 1/8 - 1/4 Mile
 Lower

WA WELLS WALOG1000328203

Database:	Ecology Well Logs	Well Log ID:	412522
Well Tag:	ALR365	Project Tag:	Not Reported
Notice of Intent #:	W178981	Date Received:	21-JUL-05
Diameter:	6	Casing Depth:	220
Well Completion:	29-JUN-05	Well Owner:	Dennis Wojdan
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

A2
NNW
 1/8 - 1/4 Mile
 Lower

WA WELLS WALOG1000151435

Database:	Ecology Well Logs	Well Log ID:	163642
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	07-SEP-76
Diameter:	8	Casing Depth:	100
Well Completion:	04-JUN-76	Well Owner:	Bill Torgeson
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

3
West
 1/8 - 1/4 Mile
 Lower

WA WELLS WALOG1000155152

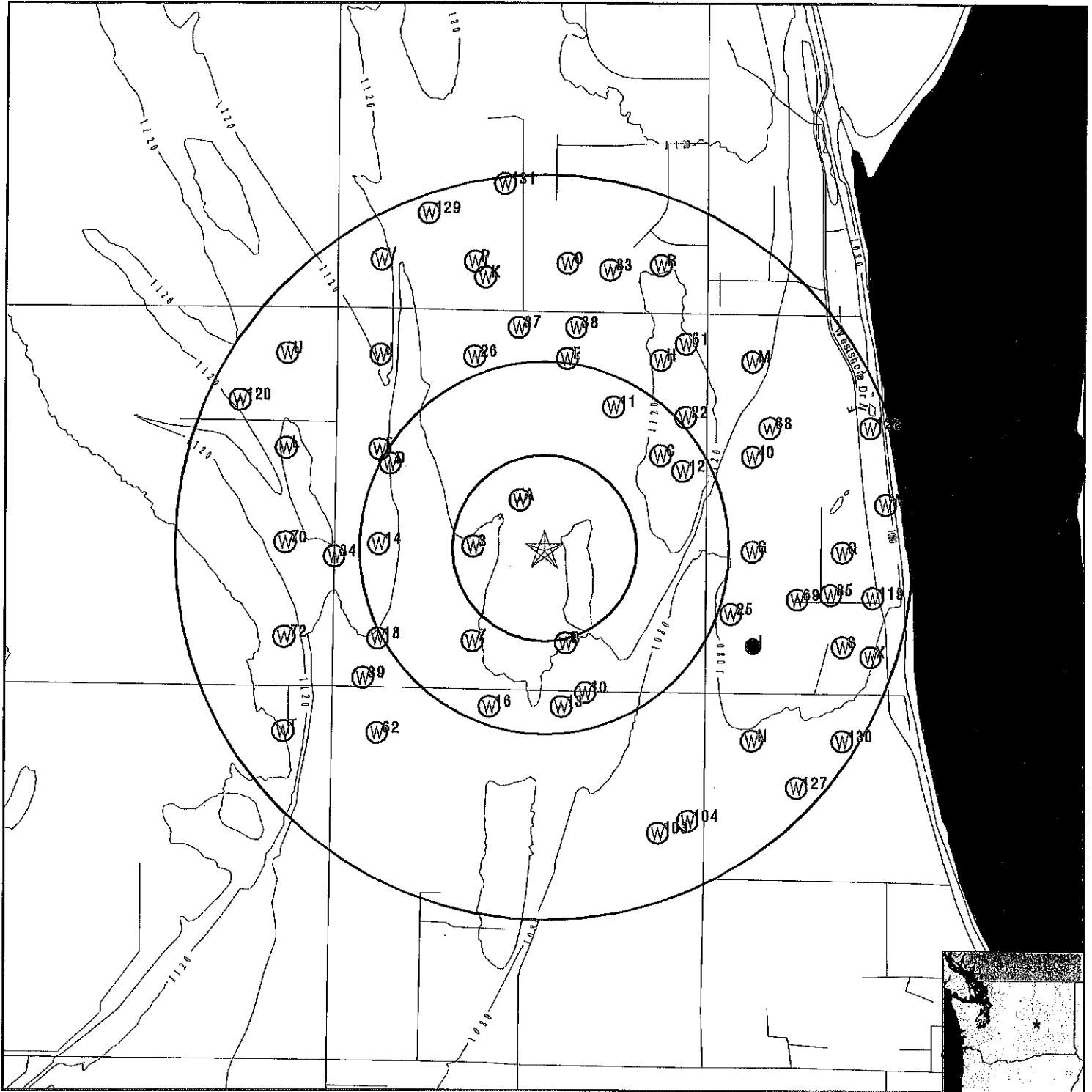
Database:	Ecology Well Logs	Well Log ID:	168244
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	10-JUL-46
Diameter:	36	Casing Depth:	85
Well Completion:	01-JUL-46	Well Owner:	Jacob Lybbert
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	41

B4
SSE
 1/4 - 1/2 Mile
 Lower

WA WELLS WALOG1000150960

Database:	Ecology Well Logs	Well Log ID:	163045
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	07-SEP-90
Diameter:	6	Casing Depth:	73

PHYSICAL SETTING SOURCE MAP - 6137401.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Road 3 Northeast
ADDRESS: 3265 ROAD E.5 NE
 MOSES LAKE WA 98837
LAT/LONG: 47.137133 / 119.372403

CLIENT: PBS Engineering & Env.
CONTACT: Angela McGuire
INQUIRY #: 6137401.2s
DATE: July 29, 2020 11:43 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
<u>130</u>	<u>WALOG1000156666</u>	<u>1/2 - 1 Mile ESE</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
72	WALOG1000151097	1/2 - 1 Mile WSW
L73	WALOG1000427578	1/2 - 1 Mile WNW
L74	WALOG1000156478	1/2 - 1 Mile WNW
L75	WALOG1000161030	1/2 - 1 Mile WNW
M76	WALOG1000160888	1/2 - 1 Mile NE
M77	WALOG1000324578	1/2 - 1 Mile NE
N78	WALOG1000151902	1/2 - 1 Mile SE
N79	WALOG1000442616	1/2 - 1 Mile SE
O80	WALOG1000544856	1/2 - 1 Mile North
O81	WALOG1000157034	1/2 - 1 Mile North
O84	WA1100000002670	1/2 - 1 Mile North
85	WA11000000021724	1/2 - 1 Mile East
P86	WALOG1000161743	1/2 - 1 Mile NNW
P87	WALOG1000161010	1/2 - 1 Mile NNW
P88	WALOG1000157508	1/2 - 1 Mile NNW
Q89	WALOG1000154511	1/2 - 1 Mile East
Q90	WALOG1000501468	1/2 - 1 Mile East
R91	WALOG1000161701	1/2 - 1 Mile NNE
R92	WALOG1000366468	1/2 - 1 Mile NNE
R93	WALOG1000366469	1/2 - 1 Mile NNE
R94	WALOG1000161699	1/2 - 1 Mile NNE
R95	WALOG1000161434	1/2 - 1 Mile NNE
R96	WALOG1000161691	1/2 - 1 Mile NNE
R97	WALOG1000161698	1/2 - 1 Mile NNE
R98	WALOG1000562660	1/2 - 1 Mile NNE
R99	WA11000000031654	1/2 - 1 Mile NNE
R100	WA11000000029560	1/2 - 1 Mile NNE
R101	WA11000000030144	1/2 - 1 Mile NNE
R102	WA11000000029561	1/2 - 1 Mile NNE
103	WALOG1000152311	1/2 - 1 Mile SSE
S105	WALOG1000331754	1/2 - 1 Mile ESE
S106	WALOG1000156857	1/2 - 1 Mile ESE
S107	WALOG1000373074	1/2 - 1 Mile ESE
S108	WALOG1000373073	1/2 - 1 Mile ESE
S109	WALOG1000373072	1/2 - 1 Mile ESE
T110	WALOG1000154017	1/2 - 1 Mile SW
T111	WALOG1000427577	1/2 - 1 Mile SW
U112	WALOG1000151814	1/2 - 1 Mile NW
U113	WALOG1000308134	1/2 - 1 Mile NW
V114	WALOG1000161747	1/2 - 1 Mile NNW
V115	WALOG1000161765	1/2 - 1 Mile NNW
V116	WALOG1000161746	1/2 - 1 Mile NNW
V117	WALOG1000157920	1/2 - 1 Mile NNW
V118	WALOG1000161536	1/2 - 1 Mile NNW
119	WA11000000021723	1/2 - 1 Mile East
120	WALOG1000151067	1/2 - 1 Mile WNW
W121	WA11000000016989	1/2 - 1 Mile East
W124	WALOG1000159731	1/2 - 1 Mile East
W125	WALOG1000158276	1/2 - 1 Mile East
W126	WALOG1000157100	1/2 - 1 Mile East
127	WALOG1000155611	1/2 - 1 Mile SE
129	WALOG1000157779	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B6	WALOG1000158323	1/4 - 1/2 Mile SSE
7	WALOG1000162504	1/4 - 1/2 Mile SW
C8	WALOG1000583284	1/4 - 1/2 Mile NE
C9	WALOG1000152308	1/4 - 1/2 Mile NE
11	WALOG1000158388	1/4 - 1/2 Mile NNE
14	WALOG1000160988	1/4 - 1/2 Mile West
18	WALOG1000155785	1/2 - 1 Mile WSW
E19	WALOG1000162435	1/2 - 1 Mile North
E20	WALOG1000152310	1/2 - 1 Mile North
E21	WALOG1000159882	1/2 - 1 Mile North
22	WA110000002235	1/2 - 1 Mile NE
F23	WALOG1000155153	1/2 - 1 Mile WNW
F24	WALOG1000151437	1/2 - 1 Mile WNW
26	WALOG1000308096	1/2 - 1 Mile NNW
G27	WALOG1000372891	1/2 - 1 Mile East
G28	WALOG1000372886	1/2 - 1 Mile East
G29	WALOG1000398683	1/2 - 1 Mile East
G30	WALOG1000398682	1/2 - 1 Mile East
G31	WALOG1000372885	1/2 - 1 Mile East
G32	WALOG1000352302	1/2 - 1 Mile East
G33	WA1100000030517	1/2 - 1 Mile East
H35	WALOG1000161635	1/2 - 1 Mile NNE
H36	WALOG1000156386	1/2 - 1 Mile NNE
40	WALOG1000154980	1/2 - 1 Mile ENE
I41	WALOG1000161660	1/2 - 1 Mile ESE
I42	WALOG1000161476	1/2 - 1 Mile ESE
I43	WALOG1000161751	1/2 - 1 Mile ESE
I44	WALOG1000161694	1/2 - 1 Mile ESE
I45	WALOG1000157013	1/2 - 1 Mile ESE
I46	WALOG1000153774	1/2 - 1 Mile ESE
I47	WALOG1000161473	1/2 - 1 Mile ESE
I48	WALOG1000157206	1/2 - 1 Mile ESE
I49	WALOG1000162085	1/2 - 1 Mile ESE
I50	WALOG1000372884	1/2 - 1 Mile ESE
I51	WALOG1000372060	1/2 - 1 Mile ESE
I52	WALOG1000812785	1/2 - 1 Mile ESE
I53	WALOG1000784460	1/2 - 1 Mile ESE
I54	WALOG1000372059	1/2 - 1 Mile ESE
I55	WALOG1000162439	1/2 - 1 Mile ESE
I56	WALOG1000162105	1/2 - 1 Mile ESE
I57	WALOG1000272987	1/2 - 1 Mile ESE
I58	WALOG1000162440	1/2 - 1 Mile ESE
I59	WA1100000001463	1/2 - 1 Mile ESE
61	WA1100000002234	1/2 - 1 Mile NE
62	WALOG1000152047	1/2 - 1 Mile SW
J63	WALOG1000160115	1/2 - 1 Mile NW
J64	WALOG1000151179	1/2 - 1 Mile NW
J65	WALOG1000715669	1/2 - 1 Mile NW
J66	WALOG1000162248	1/2 - 1 Mile NW
J67	WALOG1000162132	1/2 - 1 Mile NW
69	WALOG1000161038	1/2 - 1 Mile ESE
70	WALOG1000427559	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
10	USGS40001247297	1/4 - 1/2 Mile SSE
12	USGS40001247770	1/4 - 1/2 Mile ENE
13	USGS40001247268	1/4 - 1/2 Mile South
D15	USGS40001247771	1/4 - 1/2 Mile WNW
16	USGS40001247269	1/4 - 1/2 Mile SSW
D17	USGS40001247785	1/2 - 1 Mile WNW
25	USGS40001247499	1/2 - 1 Mile ESE
34	USGS40001247610	1/2 - 1 Mile West
37	USGS40001248034	1/2 - 1 Mile North
38	USGS40001248033	1/2 - 1 Mile North
39	USGS40001247337	1/2 - 1 Mile SW
I60	USGS40001247459	1/2 - 1 Mile ESE
68	USGS40001247823	1/2 - 1 Mile ENE
K71	USGS40001248156	1/2 - 1 Mile NNW
K82	USGS40001248194	1/2 - 1 Mile NNW
83	USGS40001248193	1/2 - 1 Mile NNE
104	USGS40001247058	1/2 - 1 Mile SSE
X122	USGS40001247417	1/2 - 1 Mile ESE
X123	USGS40001247418	1/2 - 1 Mile ESE
128	USGS40001247822	1/2 - 1 Mile ENE
131	USGS40001248353	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	WALOG1000328203	1/8 - 1/4 Mile NNW
A2	WALOG1000151435	1/8 - 1/4 Mile NNW
3	WALOG1000155152	1/8 - 1/4 Mile West
B4	WALOG1000150960	1/4 - 1/2 Mile SSE
B5	WALOG1000152267	1/4 - 1/2 Mile SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	stony sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 8.4 Min: 6.1
2	5 inches	11 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 8.4 Min: 6.1
3	11 inches	18 inches	very gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 8.4 Min: 6.1
4	18 inches	59 inches	extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 8.4 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 8.4 Min: 7.9
2	9 inches	22 inches	gravelly fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 8.4 Min: 7.9
3	22 inches	59 inches	extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 8.4 Min: 7.9

Soil Map ID: 4

Soil Component Name: Malaga

Soil Surface Texture: stony sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	5 inches	11 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 8.4 Min: 6.1
3	11 inches	18 inches	very gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 8.4 Min: 6.1
4	18 inches	59 inches	extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 8.4 Min: 6.1

Soil Map ID: 3

Soil Component Name: Ephrata

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Waterable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	22 inches	59 inches	extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: Malaga

Soil Surface Texture: cobbly sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	cobbly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 8.4 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Ephrata

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

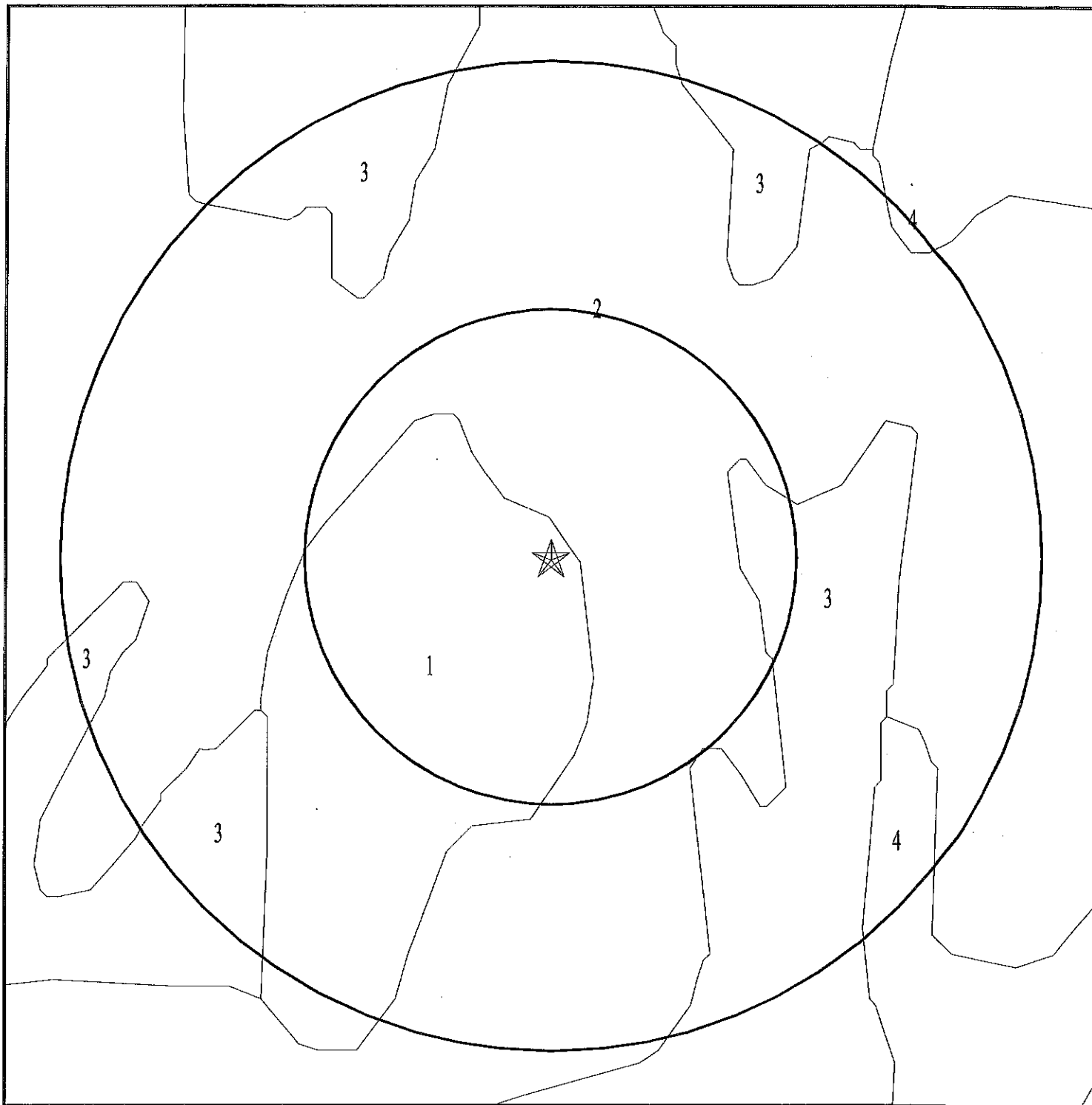
Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

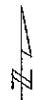
Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 8.4 Min: 7.9
2	9 inches	22 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 8.4 Min: 7.9

SSURGO SOIL MAP - 6137401.2s



- ★ Target Property
- ∕ SSURGO Soil
- ∕ Water



SITE NAME: Road 3 Northeast
ADDRESS: 3265 ROAD E.5 NE
MOSES LAKE WA 98837
LAT/LONG: 47.137133 / 119.372403

CLIENT: PBS Engineering & Env.
CONTACT: Angela Mcguire
INQUIRY #: 6137401.2s
DATE: July 29, 2020 11:43 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
53025C1075C	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
53025C1050C	FEMA FIRM Flood data
53025C1325C	FEMA FIRM Flood data
53025C1300C	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
MOSES LAKE NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ROAD 3 NORTHEAST
3265 ROAD E.5 NE
MOSES LAKE, WA 98837

TARGET PROPERTY COORDINATES

Latitude (North): 47.137133 - 47° 8' 13.68"
Longitude (West): 119.372403 - 119° 22' 20.65"
Universal Tranverse Mercator: Zone 11
UTM X (Meters): 320096.9
UTM Y (Meters): 5222915.5

USGS TOPOGRAPHIC MAP

Target Property Map: 6004585 MOSES LAKE NORTH, WA
Version Date: 2014

Southeast Map: 6001298 MOSES LAKE SOUTH, WA
Version Date: 2014

Southwest Map: 6001290 MAE, WA
Version Date: 2014

Northwest Map: 6001296 MOSES LAKE NW, WA
Version Date: 2014

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Ecology

Telephone: 360-407-6121

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/12/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/12/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

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: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/04/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

KING COUNTY:

LF KING: 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

Source: Seattle-King County Department of Public Health

Date Data Arrived at EDR: 11/07/1994

Telephone: 206-296-4785

Date Made Active in Reports: N/A

Last EDR Contact: 10/21/1994

Number of Days to Update: 0

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SEATTLE COUNTY:

LF SEATTLE CITY: 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

Source: Seattle - King County Department of Public Health

Date Data Arrived at EDR: 11/07/1994

Telephone: 206-296-4785

Date Made Active in Reports: N/A

Last EDR Contact: 10/21/1994

Number of Days to Update: 0

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

LF SEATTLE/KING: 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

Source: Department of Public Health

Date Data Arrived at EDR: 08/18/1995

Telephone: 206-296-4785

Date Made Active in Reports: 09/20/1995

Last EDR Contact: 08/14/1995

Number of Days to Update: 33

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

LF SNOHOMISH: Solid Waste Sites of Record at Snohomish Health District

Solid waste disposal and/or utilization sites in Snohomish County.

Date of Government Version: 09/23/2019

Source: Snohomish Health District

Date Data Arrived at EDR: 09/25/2019

Telephone: 206-339-5250

Date Made Active in Reports: 10/24/2019

Last EDR Contact: 06/15/2020

Number of Days to Update: 29

Next Scheduled EDR Contact: 09/28/2020

Data Release Frequency: No Update Planned

TACOMA/PIERCE COUNTY:

LF TACOMA/PIERCE: 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 07/01/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/08/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: 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

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/14/2020	Source: Department of Ecology
Date Data Arrived at EDR: 02/18/2020	Telephone: 360-407-6754
Date Made Active in Reports: 04/28/2020	Last EDR Contact: 04/30/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 08/24/2020
	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: 11/15/2017	Source: Department of Ecology
Date Data Arrived at EDR: 11/20/2017	Telephone: 360-407-6136
Date Made Active in Reports: 01/04/2018	Last EDR Contact: 04/30/2020
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: No Update Planned

INACTIVE DRYCLEANERS: Inactive Drycleaners

A listing of inactive drycleaner facility locations.

Date of Government Version: 04/06/2020	Source: Department of Ecology
Date Data Arrived at EDR: 04/08/2020	Telephone: 360-407-6732
Date Made Active in Reports: 04/14/2020	Last EDR Contact: 07/09/2020
Number of Days to Update: 6	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Annually

WA MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 03/29/2019	Source: Department of Ecology
Date Data Arrived at EDR: 03/29/2019	Telephone: N/A
Date Made Active in Reports: 06/24/2019	Last EDR Contact: 06/11/2020
Number of Days to Update: 87	Next Scheduled EDR Contact: 09/28/2020
	Data Release Frequency: Annually

NPDES: Water Quality Permit System Data

A listing of permitted wastewater facilities.

Date of Government Version: 04/13/2020	Source: Department of Ecology
Date Data Arrived at EDR: 04/15/2020	Telephone: 360-407-6073
Date Made Active in Reports: 07/01/2020	Last EDR Contact: 07/15/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Quarterly

UIC: Underground Injection Wells Listing

A listing of underground injection wells.

Date of Government Version: 04/13/2020	Source: Department of Ecology
Date Data Arrived at EDR: 04/15/2020	Telephone: 360-407-6143
Date Made Active in Reports: 07/02/2020	Last EDR Contact: 07/15/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Quarterly

PCS ENF: Enforcement data

No description is available for this data

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/19/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/06/2020
Number of Days to Update: 69

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing Asbestos sites

Date of Government Version: 02/27/2020
Date Data Arrived at EDR: 02/27/2020
Date Made Active in Reports: 05/06/2020
Number of Days to Update: 69

Source: Department of Labor & Industries
Telephone: 360-902-6209
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

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

Date of Government Version: 06/09/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 06/24/2020
Number of Days to Update: 15

Source: Department of Ecology
Telephone: 360-407-6933
Last EDR Contact: 05/28/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

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: 04/06/2020
Date Data Arrived at EDR: 04/08/2020
Date Made Active in Reports: 04/14/2020
Number of Days to Update: 6

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
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: 02/24/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 05/04/2020
Number of Days to Update: 68

Source: Department of Ecology
Telephone: 360-586-1060
Last EDR Contact: 05/19/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 05/21/2020
Number of Days to Update: 97	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/05/2020	Source: Department of Interior
Date Data Arrived at EDR: 03/06/2020	Telephone: 202-208-2609
Date Made Active in Reports: 05/29/2020	Last EDR Contact: 06/19/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 09/21/2020
	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: 02/03/2020	Source: EPA
Date Data Arrived at EDR: 03/03/2020	Telephone: (206) 553-1200
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 05/18/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/07/2020	Telephone: 202-564-2280
Date Made Active in Reports: 06/26/2020	Last EDR Contact: 07/02/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US 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: 02/11/2020
Date Data Arrived at EDR: 02/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 86

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/31/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 50

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/22/2020
Number of Days to Update: 84

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Biennially

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: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/08/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

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: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 06/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/12/2020
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 01/28/2020	Telephone: 202-366-4595
Date Made Active in Reports: 04/17/2020	Last EDR Contact: 07/27/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Quarterly

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.

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: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

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: 10/25/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/25/2019	Telephone: 301-415-7169
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 07/20/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 06/05/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/14/2020
	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: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 06/01/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 703-416-0223
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/05/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/20/2019	Telephone: 202-564-8600
Date Made Active in Reports: 04/17/2020	Last EDR Contact: 07/15/2020
Number of Days to Update: 149	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/17/2020
	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: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 07/13/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 05/04/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/08/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

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: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 06/17/2020
Number of Days to Update: 198	Next Scheduled EDR Contact: 09/28/2020
	Data Release Frequency: Every 4 Years

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: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: 202-566-0250
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/21/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Annually

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: 03/01/2020	Source: EPA
Date Data Arrived at EDR: 04/21/2020	Telephone: 202-564-4203
Date Made Active in Reports: 07/15/2020	Last EDR Contact: 07/21/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

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: 01/28/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
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: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administered 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: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: N/A

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: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS: PFAS Contamination Site Location Listing

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 04/21/2020	Source: Department of Ecology
Date Data Arrived at EDR: 04/23/2020	Telephone: 360-407-6116
Date Made Active in Reports: 07/10/2020	Last EDR Contact: 07/01/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

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: 04/27/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Semi-Annually

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: 02/27/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/24/2020	Telephone: 202-366-4555
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/23/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

SPILLS: Reported Spills

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

Date of Government Version: 03/02/2020	Source: Department of Ecology
Date Data Arrived at EDR: 03/13/2020	Telephone: 360-407-6950
Date Made Active in Reports: 05/27/2020	Last EDR Contact: 05/28/2020
Number of Days to Update: 75	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 05/23/2006	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/06/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ALLSITES: Facility/Site Identification System Listing

Information on facilities and sites of interest to the Department of Ecology.

Date of Government Version: 04/17/2020	Source: Department of Ecology
Date Data Arrived at EDR: 04/28/2020	Telephone: 360-407-6423
Date Made Active in Reports: 07/13/2020	Last EDR Contact: 07/22/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Quarterly

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: 12/31/2019	Source: Department of Health
Date Data Arrived at EDR: 02/13/2020	Telephone: 360-236-3380
Date Made Active in Reports: 04/22/2020	Last EDR Contact: 07/28/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 11/16/2020
	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	Source: Department of Health
Date Data Arrived at EDR: 06/26/2007	Telephone: 360-236-3381
Date Made Active in Reports: 07/19/2007	Last EDR Contact: 06/02/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

CSCSL NFA: Confirmed and Contaminated Sites - No Further Action

This report contains information about sites that are undergoing cleanup and sites that are awaiting further investigation and/or cleanup. Sites on the Hazardous Sites List (see above) are included in this data set.

Date of Government Version: 04/13/2020	Source: Department of Ecology
Date Data Arrived at EDR: 04/15/2020	Telephone: 360-407-7170
Date Made Active in Reports: 07/01/2020	Last EDR Contact: 07/15/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Quarterly

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: 03/18/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Quarterly

AQUEOUS FOAM: Firefighting Foam Incidents

Aqueous film-forming foam-laced water running off from fuel spills, firefighting events and routine training sessions has put those chemicals in ground water, surface water, sediments, biota, and other natural resources of the state.

Date of Government Version: 03/28/2020	Source: Department of Ecology
Date Data Arrived at EDR: 04/02/2020	Telephone: 360-407-6116
Date Made Active in Reports: 06/24/2020	Last EDR Contact: 07/01/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWTIRE: Solid Waste Tire Facilities

This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005	Source: Department of Ecology
Date Data Arrived at EDR: 03/16/2006	Telephone: N/A
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 09/08/2017
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/18/2017
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 07/21/2020
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Varies

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/14/2020
Number of Days to Update: 137	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 05/01/2020
Number of Days to Update: 176	Next Scheduled EDR Contact: 08/10/2020
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/11/2020
Date Data Arrived at EDR: 02/12/2020
Date Made Active in Reports: 04/22/2020
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-407-0515
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

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: 04/13/2020
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 77

Source: Department of Ecology
Telephone: 360-725-4030
Last EDR Contact: 07/15/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facility List

A listing of recycling center locations.

Date of Government Version: 01/16/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 03/27/2020
Number of Days to Update: 64

Source: Department of Ecology
Telephone: 360-407-6105
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

SWTIRE 2: Solid Waste Tire Facilities 2 solid waste tire piles

Date of Government Version: 03/11/2020
Date Data Arrived at EDR: 03/17/2020
Date Made Active in Reports: 05/27/2020
Number of Days to Update: 71

Source: Department of Ecology
Telephone: 425-649-7104
Last EDR Contact: 05/28/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

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

Date of Government Version: 04/13/2020	Source: Department of Ecology
Date Data Arrived at EDR: 04/15/2020	Telephone: 360-407-7170
Date Made Active in Reports: 07/01/2020	Last EDR Contact: 07/15/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Quarterly

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: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/17/2020
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/05/2020
	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: 04/13/2020	Source: Department of Ecology
Date Data Arrived at EDR: 04/15/2020	Telephone: 360-407-7200
Date Made Active in Reports: 07/02/2020	Last EDR Contact: 07/15/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/26/2020
	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	Source: Department of Ecology
Date Data Arrived at EDR: 01/03/2003	Telephone: 360-407-7200
Date Made Active in Reports: 01/22/2003	Last EDR Contact: 08/10/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 11/09/2009
	Data Release Frequency: No Update Planned

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

PTAP: PTAP Site Listing

A list of sites accepted into the Petroleum Technical Assistance Program. The Petroleum Technical Assistance Program (PTAP) expands the state's ability to respond to the high customer demand to clean up petroleum contaminated sites. Under the PTAP, the Pollution Liability Insurance Agency (PLIA) may provide informal site-specific technical consultations and issue written opinion letters to persons conducting independent remedial actions at qualifying petroleum cleanup sites. PLIA may provide these services under the authority of RCW 70.149.040(9) and the Model Toxics Control Act (MTCOA), Chapter 70.149 RCW and Chapter 173-340 WAC.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/04/2019	Source: EPA Region 9
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3368
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 07/23/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 11/01/2020
	Data Release Frequency: Varies

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: 10/01/2019	Source: EPA, Region 1
Date Data Arrived at EDR: 12/04/2019	Telephone: 617-918-1313
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

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: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	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: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-9424
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

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: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6137
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

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: 10/11/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/04/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019	Source: EPA, Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-7439
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 02/01/2020	Source: FEMA
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-646-5797
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 07/06/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

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: 02/11/2020	Source: Department of Ecology
Date Data Arrived at EDR: 02/12/2020	Telephone: 360-407-7183
Date Made Active in Reports: 04/22/2020	Last EDR Contact: 08/14/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 08/24/2020
	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: 12/14/2015	Source: Department of Ecology
Date Data Arrived at EDR: 02/02/2016	Telephone: 360-407-7562
Date Made Active in Reports: 05/03/2016	Last EDR Contact: 07/22/2020
Number of Days to Update: 91	Next Scheduled EDR Contact: 11/09/2020
	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: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-7591
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	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: 10/01/2019	Source: EPA Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-6136
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6271
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

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: 10/04/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3372
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

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: 10/01/2019	Source: EPA Region 1
Date Data Arrived at EDR: 12/04/2019	Telephone: 617-918-1313
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	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: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-6597
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-8677
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/02/2020
	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: 10/15/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/17/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/22/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

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: 02/26/2020
Date Data Arrived at EDR: 03/05/2020
Date Made Active in Reports: 05/04/2020
Number of Days to Update: 60

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 06/01/2020
Next Scheduled EDR Contact: 09/14/2020
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: 04/13/2020
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 77

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 07/15/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

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: 06/05/2020
Date Data Arrived at EDR: 06/11/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 20

Source: Department of Ecology
Telephone: 360-407-6132
Last EDR Contact: 05/28/2020
Next Scheduled EDR Contact: 09/14/2020
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: 02/11/2020
Date Data Arrived at EDR: 02/12/2020
Date Made Active in Reports: 04/22/2020
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (206) 553-1200
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (206) 553-1200
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

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: 05/15/2020	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2020	Telephone: 843-820-7326
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 05/14/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 07/17/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/26/2020
	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: 03/23/2020	Source: EPA
Date Data Arrived at EDR: 03/25/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (206) 553-1200
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (206) 553-1200
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

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 EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/17/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	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 312-886-6886

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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	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.

Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MOSES LAKE	S105454269	BOEING COMPANY - MOSES LAKE TEST F	P.O. BOX 1487 (OFF STAFFORD RO	98837	ICR
MOSES LAKE	S105063407	CHURCH OF LATTER-DAY SAINTS	ONE-HALF MILE WEST OF N-NE ROA	98837	ICR
MOSES LAKE	S103608614	PHEASANT RUN SERVICE STATION	17705 ROAD 173 E.	98837	ICR
MOSES LAKE	S103505616	BOEING - MOSES LAKE FACILITY - BLD	TYNDALL ROAD, GRANT COUNTY AIR	98837	ICR

MAP FINDINGS

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

1 SW 1/4-1/2 0.289 ml. 1524 ft.	RICHARD KEITH 5256 ROAD 3 NE MOSES LAKE, WA 98837	ALLSITES FINDS	1011280190 N/A
--	--	---------------------------------	---------------------------------

ALLSITES:
 Name: RICHARD KEITH
 Facility Id: 8845482

FINDS:
 Registry ID: 110036133378

Click Here:

Environmental Interest/Information System:

Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

2 North 1/4-1/2 0.497 ml. 2623 ft.	JEFFREY & LISA SEMANKO 5673 NE RD 4 MOSES LAKE, WA 98837	ALLSITES	S110486137 N/A
---	---	-----------------	---------------------------------

ALLSITES:
 Name: JEFFREY & LISA SEMANKO
 Facility Id: 21538

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>EDR HIGH RISK HISTORICAL RECORDS</u>								
<i>EDR Exclusive Records</i>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	0	0	2	0	0	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
Inactive Drycleaners	0.250		0	0	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0

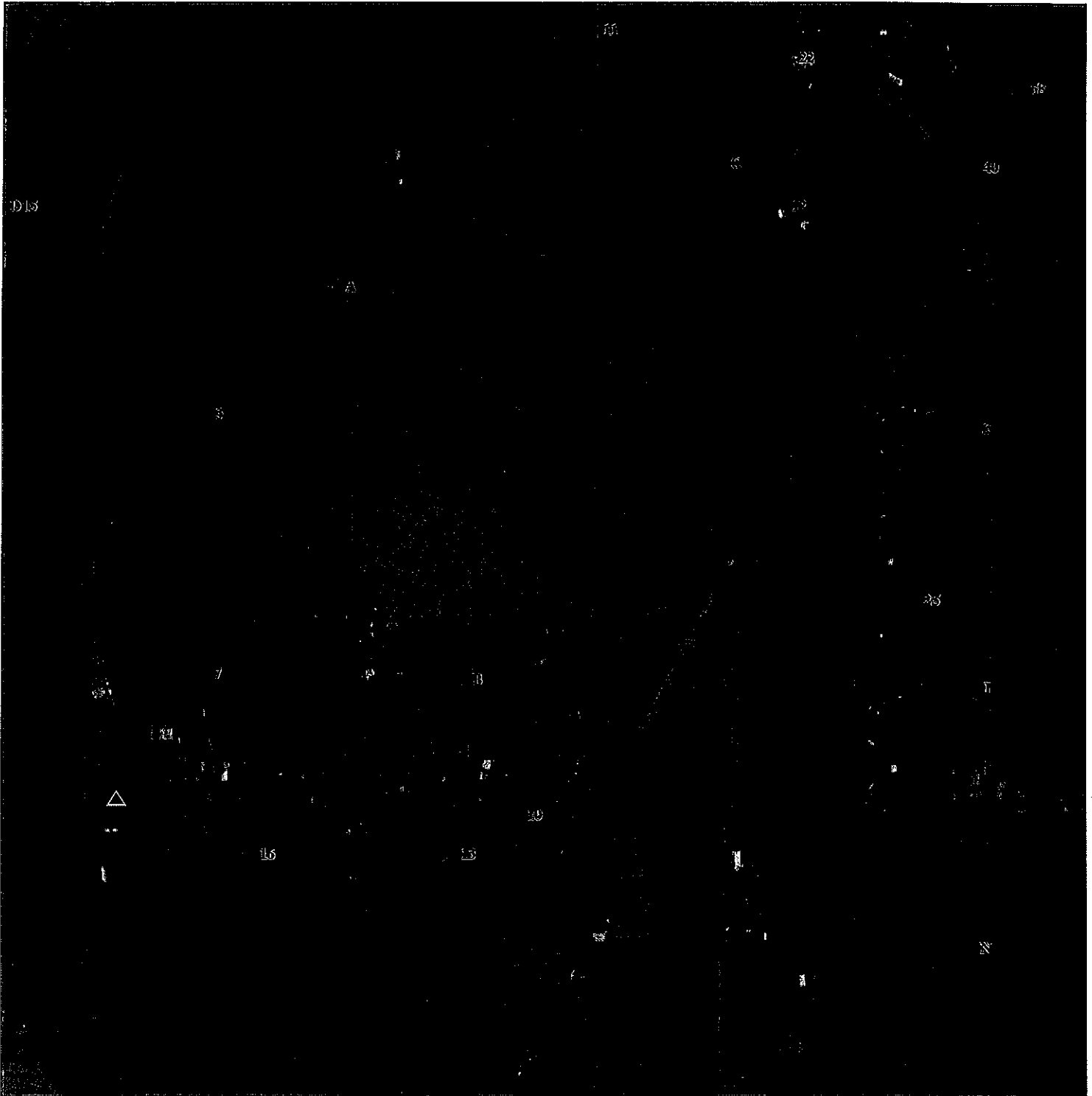
MAP FINDINGS SUMMARY







<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
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
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
ICR	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
PTAP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWTIRE	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
ALLSITES	0.500		0	0	2	NR	NR	2
CDL	0.001		0	NR	NR	NR	NR	0
HIST CDL	0.001		0	NR	NR	NR	NR	0
CSCSL NFA	0.500		0	0	0	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
AQUEOUS FOAM	0.500		0	0	0	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY




<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
HSL	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
CSCSL	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0

DETAIL MAP - 6137401.2S



-  Target Property
-  Toxic Sites
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites



-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard

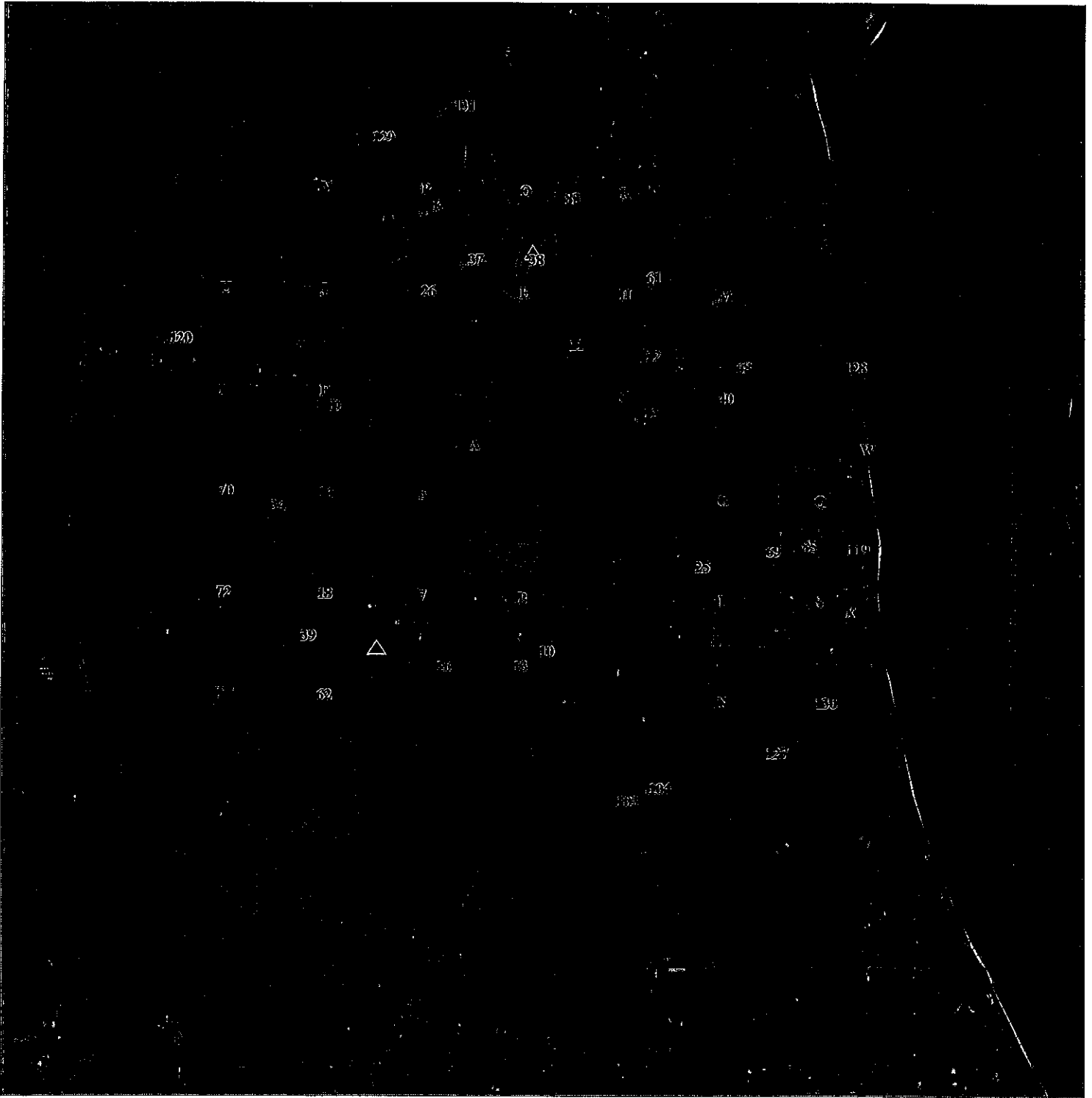







This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Road 3 Northeast
 ADDRESS: 3265 ROAD E.5 NE
 MOSES LAKE WA 98837
 LAT/LONG: 47.137133 / 119.372403

CLIENT: PBS Engineering & Env.
 CONTACT: Angela Mcguire
 INQUIRY #: 6137401.2s
 DATE: July 29, 2020 11:43 am

OVERVIEW MAP - 6137401.2S



-  Target Property
-  Toxic Sites
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites



-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands



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: Road 3 Northeast
 ADDRESS: 3265 ROAD E.5 NE
 MOSES LAKE WA 98837
 LAT/LONG: 47.137133 / 119.372403

CLIENT: PBS Engineering & Env.
 CONTACT: Angela McGuire
 INQUIRY #: 6137401.2s
 DATE: July 29, 2020 11:42 am

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

<u>Site Name</u>	<u>Database(s)</u>
BOEING COMPANY - MOSES LAKE TEST F	ICR
CHURCH OF LATTER-DAY SAINTS	ICR
PHEASANT RUN SERVICE STATION	ICR
BOEING - MOSES LAKE FACILITY - BLD	ICR

EXECUTIVE SUMMARY

ALLSITES sites within approximately 0.5 miles of the target property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RICHARD KEITH Facility Id: 8845482	5256 ROAD 3 NE	1/4 - 1/2 (0.289 mi.) SW	1	8
JEFFREY & LISA SEMAN Facility Id: 21538	5673 NE RD 4	1/4 - 1/2 (0.497 mi.) N	2	8

EXECUTIVE SUMMARY

FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Washington Emissions Data System
ASBESTOS.....	ASBESTOS
COAL ASH.....	Coal Ash Disposal Site Listing
DRYCLEANERS.....	Drycleaner List
Financial Assurance.....	Financial Assurance Information Listing
Inactive Drycleaners.....	Inactive Drycleaners
MANIFEST.....	Hazardous Waste Manifest Data
NPDES.....	Water Quality Permit System Data
UIC.....	Underground Injection Wells Listing
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

ALLSITES: Information on facilities and sites of interest to the Department of Ecology.

A review of the ALLSITES list, as provided by EDR, and dated 04/17/2020 has revealed that there are 2

EXECUTIVE SUMMARY

SWRCY.....	Recycling Facility List
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS.....	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL.....	Delisted National Clandestine Laboratory Register
CDL.....	Clandestine Drug Lab Contaminated Site List
HIST CDL.....	List of Sites Contaminated by Clandestine Drug Labs
CSCSL NFA.....	Confirmed & Contaminated Sites - No Further Action
US CDL.....	National Clandestine Laboratory Register
PFAS.....	PFAS Contamination Site Location Listing
AQUEOUS FOAM.....	Firefighting Foam Incidents

Local Land Records

LIENS 2.....	CERCLA Lien Information
--------------	-------------------------

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
SPILLS.....	Reported Spills
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations

EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

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

State and tribal registered storage tank lists

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

State and tribal institutional control / engineering control registries

INST CONTROL..... Institutional Control Site List

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Sites
ICR..... Independent Cleanup Reports
INDIAN VCP..... Voluntary Cleanup Priority Listing
PTAP..... PTAP Site Listing

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

SWTIRE..... Solid Waste Tire Facilities

EXECUTIVE SUMMARY

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
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

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

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-VSQ..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

MAPPED SITES SUMMARY

Target Property Address:
3265 ROAD E.5 NE
MOSES LAKE, WA 98837

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi. DIRECTION)
	RICHARD KEITH	5256 ROAD 3 NE	ALLSITES, FINDS	Same	1524, 0.289, SV
	JEFFREY & LISA SEMAN	5673 NE RD 4	ALLSITES	Same	2623, 0.497, Nc

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 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

3265 ROAD E.5 NE
MOSES LAKE, WA 98837

COORDINATES

Latitude (North): 47.1371330 - 47° 8' 13.67"
Longitude (West): 119.3724030 - 119° 22' 20.65"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 320096.9
UTM Y (Meters): 5222915.5

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6004585 MOSES LAKE NORTH, WA
Version Date:	2014
Southeast Map:	6001298 MOSES LAKE SOUTH, WA
Version Date:	2014
Southwest Map:	6001290 MAE, WA
Version Date:	2014
Northwest Map:	6001296 MOSES LAKE NW, WA
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150630
Source: USDA

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Orphan Summary	9
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

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Physical Setting Source Summary	A-2
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Physical Setting Source Map	A-14
Physical Setting Source Map Findings	A-16
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Road 3 Northeast
3265 ROAD E.5 NE
MOSES LAKE, WA 98837

Inquiry Number: 6137401.2s
July 29, 2020

The EDR Radius Map™ Report with GeoCheck®

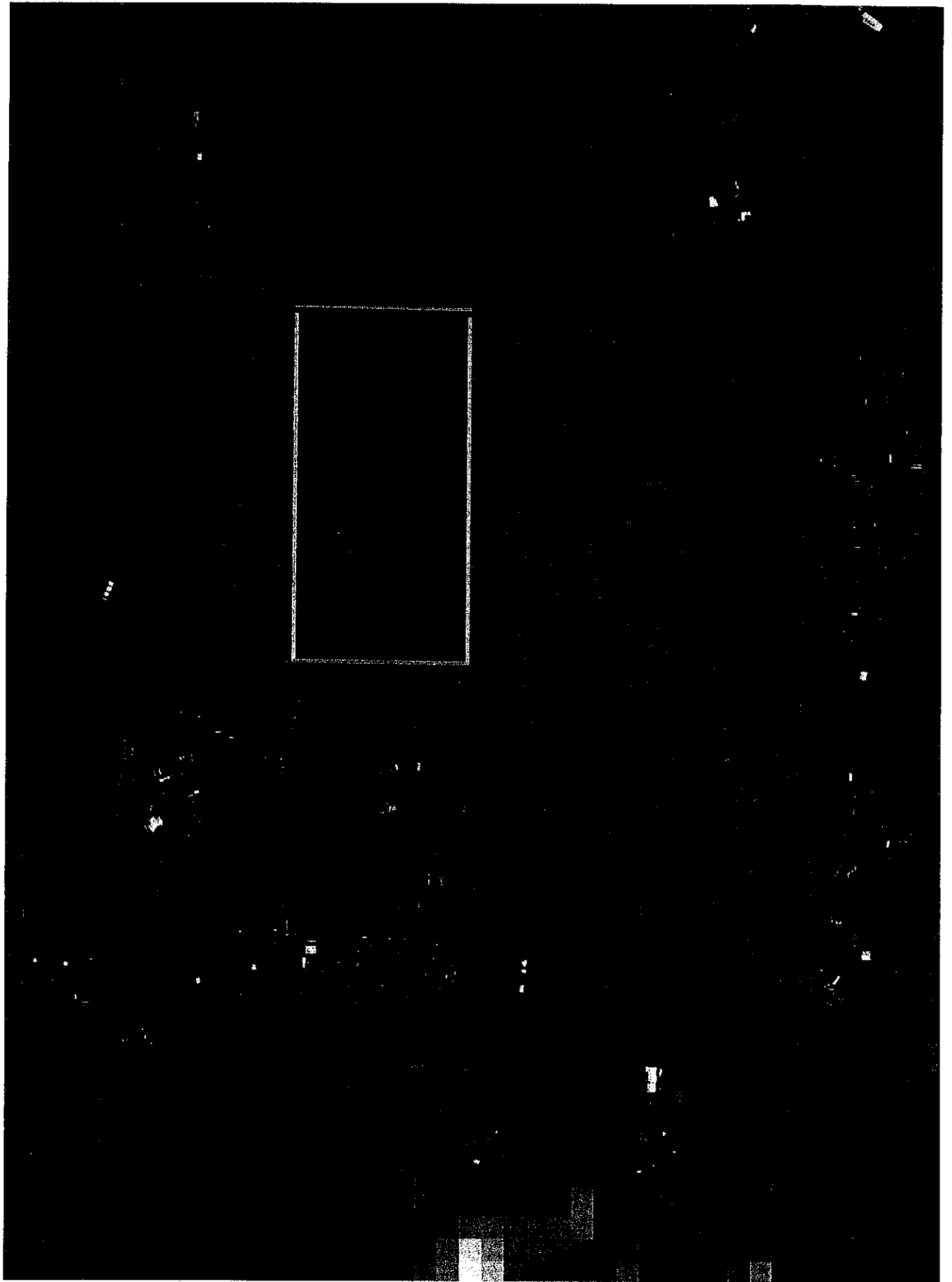


6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Appendix C

Regulatory Databases and Government Records

Regulatory Database Report



Please print, sign and return to the Department of Ecology



Water Well Report

Original - Ecology, 1st copy - owner, 2nd copy - driller

175885

Construction/Decommission

Construction
 Decommission ORIGINAL INSTALLATION Notice of Intent Number _____

Current Notice of Intent No. W178981

Unique Ecology Well ID Tag No. ARR 365

Water Right Permit No. _____

Property Owner Name Dennis Wogdan

Well Street Address 5412 Rd 3 NE

City MOSES LAKE County Grant 98837

Location R 1/4 - 1/4 Sec 13 Twn 19 R 27 EWM or WWM circle one

Lat/Long (s, t, r) Lat Deg _____ Lat Min/Sec _____

still REQUIRED) Long Deg _____ Long Min/Sec _____

Tax Parcel No. 311075000-00

PROPOSED USE: Domestic Industrial Municipal
 DeWater Irrigation Test Well Other

TYPE OF WORK: Owner's number of well (if more than one) one
 New well Reconditioned Method: Dug Bored Driven
 Deepened Cable Rotary Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 220 ft.
 Depth of completed well 220 ft.

CONSTRUCTION DETAILS
 Casing: Welded 6" Diam. from 41 ft. to 147 ft.
 Installed: Liner installed _____" Diam. from _____ ft. to _____ ft.
 Threaded _____" Diam. from _____ ft. to _____ ft.

Perforations: Yes No
 Type of perforator used _____
 SIZE of perms _____ in. by _____ in. and no. of perms _____ from _____ ft. to _____ ft.

Screens: Yes No K-Pac Location _____
 Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: Yes No Size of gravel/sand _____
 Materials placed from _____ ft. to _____ ft.

Surface Seal: Yes No To what depth? 20 ft.
 Material used in seal Buttite
 Did any strata contain unusable water? Yes No
 Type of water? _____ Depth of strata _____
 Method of sealing strata off _____

PUMP: Manufacturer's Name Aermotor
 Type: SAB CP H.P. 3

WATER LEVELS: Land-surface elevation above mean sea level 1109 ft.
 Static level 82 ft. below top of wall Date 6-29-05
 Artesian pressure _____ lbs. per square inch Date _____
 Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom? _____
 Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

 Date of test _____
 Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Airtest 50-60 gal./min. with stem set at 210 ft. for 2 hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water 62 Was a chemical analysis made? Yes No

CONSTRUCTION OR DECOMMISSION PROCEDURE
 Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information indicate all water encountered. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Dirt	0	1
Gravel	1	42
Sand Black	42	56
Gravel & sand	56	83
Sand	83	102
clay blue	102	144
Basalt brown & red	144	163
Basalt red H2O w. num	163	
Blank		206
Basalt black	206	210
Basalt brown H2O	210	214
Basalt grey	214	220

RECEIVED
 JUL 21 2005
 DEPARTMENT OF ECOLOGY

Start Date 6-27-05 Completed Date 6-29-05

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller/Engineer/Trainee Name (Print) Tim Stevens
 Driller/Engineer/Trainee Signature Tim Stevens
 Driller or trainee License No. 0409

Drilling Company Joy Drilling Co
 Address 5369 Janet St.
 City, State, Zip MOSES LAKE WA 98837

If TRAINEE,
 Driller's Licensed No. _____
 Driller's Signature _____

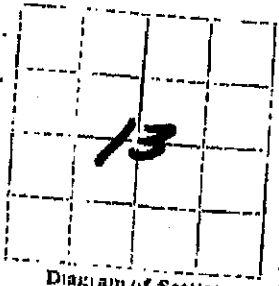
Contractor's
 Registration No. Joy DRC 1370 H. Date 6-29-05
 Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 2/03)

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

WELL LOG

Record by.....Ray Scamahorn.....

Source.....



Location: State of WASHINGTON

County.....Grant.....

Area.....

Map..... Moses Lake, NW 7 1/2'

..... 1/4 sec. 13 T. 19 N. R. 27 E. W.

Drilling Co. Scamahorn Drilling Co.

Address..... Box 884, Ephrata, Wa. 98823

Method of Drilling..... Cable

Date 8/4/78

Owner..... Bill Torgeson

Address..... Star Rt., Box 208 B, Moses Lake, Wa. 98823

Land surface, datum..... 1100 ft. above

SWL:..... 65 below

Date..... 8/4/76

18..... Dims.: 8"x100'

CORRELATION	MATERIAL	From (feet)	To (feet)
	Gravel and Boulders	0	100
	Casing:		
	Surface Seal: bentonite slurry	0	20

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses if material water-bearing, as state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet.....of.....sheets

WATER WELL REPORT

Application No.

STATE OF WASHINGTON

Permit No.

(1) **OWNER:** Name Bill Torpelson Address STAR RT Box 208 B Moses Lake, WA
(2) **LOCATION OF WELL:** County Grant County 1/4 Sec. 13 T. 19 N. R. 27 W.M.
bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic Industrial Municipal
Irrigation Test Well Other

(4) **TYPE OF WORK:** Owner's number of well (if more than one)
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 100 ft. Depth of completed well 100 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: " Diam. from ft. to ft.
Threaded " Diam. from ft. to ft.
Welded " Diam. from ft. to ft.
Perforations: Yes No
Type of perforator used.....
SIZE of perforations in. by in.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.

Screens: Yes No
Manufacturer's Name.....
Type..... Model No.....
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes No Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes No To what depth? 20 ft.
Material used in seal Bentonite slurry
Did any strata contain unusable water? Yes No
Type of water?..... Depth of strata.....
Method of sealing strata off.....

(7) **PUMP:** Manufacturer's Name.....
Type: HP.....

(8) **WATER LEVELS:** Land-surface elevation 1100
above mean sea level...
Static level 65 ft. below top of well Date 6-4-76
Artesian pressure lbs. per square inch Date.....
Artesian water is controlled by.....
(Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom?.....
Yield: gal./min. with ft. drawdown after hrs.
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Pump test..... gal./min. with ft. drawdown after hrs.
Artesian flow..... g.p.m. Date.....
Temperature of water..... Was a chemical analysis made? Yes No

(10) **WELL LOG:**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Gravel and Bolders	0	100 ft

Moses Lake NW
W
RECEIVED

SEP 7 1976

DEPARTMENT OF ECOLOGY
SPOKANE REGIONAL OFFICE

Work started 5/1/76, 19..... Completed 6/4/76, 19.....

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Scammahorn Drilling
(Person, firm, or corporation) (Type or print)
Address P.O. Box 884, Ephrata, Wa 98823
[Signed] Ray Scammahorn
(Well Driller)
License No. 0556 Date 6-4-76

WATER WELL REPORT

Start Card No. _____

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name Alfredo Cruz Address 5784 Rd 3 NE Moses Lake, WA

(2) LOCATION OF WELL: County Grant SW 1/4 SE 1/4 Sec 13 T 19 N, R 27 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 6784 Rd 3 NE Moses Lake, WA 98831

(3) PROPOSED USE: Domestic Irrigation DeWater Industrial Test Well Municipal Other

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
 Abandoned New well Deepened Reconditioned
 Method: Dug Cable Rotary Bored Driven Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
 Drilled 73 feet. Depth of completed well 73 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 6 " Diam. from +1 ft. to 74 ft.
 Welded Liner installed Threaded
 Perforations: Yes No
 Type of perforator used _____
 Size of perforations _____ in. by _____ in.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.

Screens: Yes No
 Manufacturer's Name _____
 Type _____ Model No _____
 Diam _____ Slot size _____ from _____ ft. to _____ ft.
 Diam _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel _____
 Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? 18 ft.
 Material used in seal Bentonite
 Did any strata contain unusable water? Yes No
 Type of water? _____ Depth of strata _____
 Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
 Type: _____ H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 1090 ft.
 Static level 49 ft. below top of well Date 9-5-90
 Artesian pressure _____ lbs. per square inch Date _____
 Artesian water is controlled by _____ (Cap, valve, etc.)

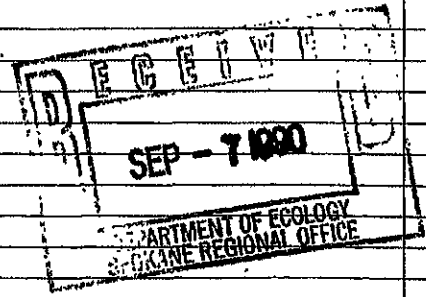
(9) WELL TESTS: Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom? _____
 Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
 " cut off " " 90 GPD " " "
 Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
 Time Water Level Time Water Level Time Water Level

Date of test _____
 Boiler test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water 59 Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Dirt.	0	1
Dirt Boulders.	1	4
Gravel	4	55
Gravel Black Sand.	55	68
Gravel	68	73.



Work started 9-4-90, 19. Completed 9-5-90, 19.

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Joy Drilling Co (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address Moses Lake WA.

(Signed) Jim Steen License No. 469 (WELL DRILLER)

Contractor's Registration No. Joy ORC 1370 Date 9-5-90, 19.

(USE ADDITIONAL SHEETS IF NECESSARY)

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT Appli. #7347

WELL LOG

No. /

Date September 24, 19 64

Record by Driller

Source Driller's Record

Location: State of WASHINGTON

County Grant

Area

Map

SW 1/4 SE 1/4 sec 13 T. 19 N., R. 27 E. W.

Drilling Co. Valley Drilling Company

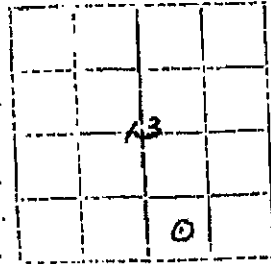
Address Soap Lake, Washington

Method of Drilling Cable Date Sept. 24, 19 64

Owner Cleafos Cruz

Address Moses Lake, Washington

Land surface, datum ft. ^{above} / _{below}



CON- LATION	MATERIAL	EXPOSED FROM	EXPOSED TO
	Domestic and irrigation well		
	Top soil	0	1
	Cobblestone and boulders	1	75
	Sand and gravel	75	90
	Yellow clay	90	140
	Sand and gravel, s/water	140	149
	Blue basalt	149	160
	Brown basalt	160	178
	Varigated soapstone gravel	178	184
	Casing: 0 to 149'		
	Surface sealed with clay		
	SWL: 41', September 24, 1964		
	Bailed 40 gpm with 4' dd after 3 hours		

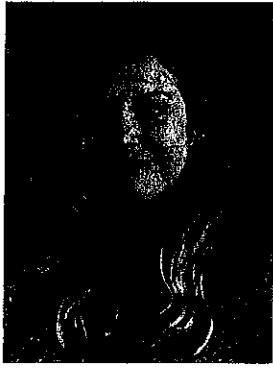
Turn up

Sheet of sheets

Appendix B

Property Information and Physical Setting Records

Well Logs
Tax Map



Angela McGuire L.G.

Staff Geologist



Angela McGuire has been a PBS Staff Geologist for two years but has been a geologist for five years in the educational field. Angela has experience in field work, laboratory work, research and report writing, after earning her Master's degree in Geology and working for a small college geology department for four years. At PBS, Angela is gaining experience with field sampling and environmental reporting. She has assisted with the investigation and reporting for several Phase 1 Environmental Site Assessments in the local area.

EXPERIENCE

2 Years

EDUCATION

BS Geology, College of William & Mary, Virginia

MS Geology, Western Washington University, Washington

ACCREDITATION

OSHA 40-Hour Hazardous Waste Site Operator (HAZWOPER)

AHERA Asbestos Building Inspector

Washington State Underground Storage Tank Decommissioner

SELECTED RELEVANT EXPERIENCE

Valdemar Estates LLC, Phase 1 Environmental Site Assessment, Milton-Freewater, Oregon.

Angela served as the geologist for a Phase 1 ESA for a parcel of land located in Milton-Freewater, Oregon. The relatively flat parcel had been previously used primarily as an orchard and intermittently as a pasture for cows. The parcel may be redeveloped into a vineyard.

Walla Walla Elks Lodge, Phase 1 Environmental Site Assessment, Walla Walla, Washington.

Angela served as the geologist for a Phase 1 ESA for the former Elks Lodge building located in Walla Walla Washington. The building and parking lot had been used primarily for meetings and social events for the local chapter of the Elks Lodge. The area may be redeveloped into residential housing. Angela also assisted with the hazardous materials survey that was conducted at the same site, separately from the phase 1 report.

Port of Benton, Phase 1 Environmental Site Assessment, Richland, Washington.

Angela served as the geologist for a Phase 1 ESA for an approximately 2-acre parcel located in Richland, Washington. The lot had been used for temporary housing in the 1940s to support efforts at the Hanford site. The lot was vacant after this time period and remained vacant, but it may be redeveloped for commercial purposes.

Pasco Sanitary Landfill NPL Site, Pasco, Washington

Angela currently serves as one technical site consultant for the Pasco Landfill Superfund Site in Pasco, Washington. This 250-acre site has an estimated 35,000 drums of buried hazardous waste after operating as a hazardous waste dump in the 1970s. There is a known groundwater plume beneath the site. Extensive remediation efforts have been underway since the 2000s.

Angela's role is to support field sampling, monitoring and remediation efforts. She routinely contributes to monthly and quarterly reporting to the Department of Ecology and helps manage logistics of the site.

The signed Agreement, Project Checklist, and Client/User Questionnaire can be emailed to angela.mcguire@pbsusa.com.

Please feel free to contact me at 509.375.7845 or angela.mcguire@pbsusa.com with any questions or comments.

Sincerely,

Angela McGuire
Project Geologist
PBS Engineering and Environmental Inc.

ACCEPTED BY:
Hayden Homes, LLC



Signature of Authorized Representative
Brian Thoreson

Name (Please Print)	
Land Development Manager	7/23/20
Title	Date

Attachments: Project Checklist
Client/User Questionnaire
Phase 1 ESA Scope of Work and Limitations
General Terms and Conditions for Limited Professional Services (Rev. 10/2018)

ACM:tjm

Phase I Environmental Site Assessment (Flat Fee)	\$ 3,100
<u>Reimbursable Expenses</u>	<u>\$ 500</u>
Total Estimated Costs	\$ 3,600

This cost includes one visit to the site location.

The fees and terms under which these services are provided will be in accordance with the attached terms and conditions for professional services. The PBS terms and conditions and this proposal constitute the entire agreement (Agreement) between the parties and may not be changed without prior written consent of the parties.

The pricing and other information contained in this proposal document are proprietary and shall not be duplicated, used, or disclosed, in whole or in part, to other parties without the permission of PBS.

ASSUMPTIONS

PBS' compensation estimate includes the following assumptions:

- Review of an existing title report if supplied by the Client.
- PBS provides recommendations in the Phase I ESA report, unless otherwise instructed.
- Following issuance of the final report, if information is subsequently provided to PBS that warrants report revisions or amendments, the additional work will be charged on a time and materials basis.
- Other services provided on a time and materials fee scale include draft reports, additional report hard copies, Client-requested in-person meetings, and conference calls to discuss findings. These services will be communicated to the Client before extra charges are incurred.
- A standard PBS reliance letter to third parties will be provided at no additional cost within 60 days of report completion. Letters provided after 60 days may be requested for an additional fee. Client- or lender-specific reliance letters will be reviewed by PBS and may be associated with a higher fee.

SCHEDULE

PBS is available to begin services immediately upon receipt of a signed copy of this Agreement. The scope of work will be completed within approximately four weeks of receiving the signed Agreement. Please review Agency File Check in the Scope of Work attachment regarding potential impacts to this schedule.

Please contact me if the schedule does not meet your requirements.

JOBSITE SAFETY DURING COVID-19

At PBS, we are committed to keeping our employees, clients, contractors, and communities healthy. We are following federal, state, and local guidelines and recommendations in response to COVID-19 as we strive to balance public health concerns and delivery of our projects. For the foreseeable future, these precautions will include continuing to observe social distancing and other engineering controls to minimize risk. Our staff will be wearing face coverings and personal protective equipment (PPE) in situations where other controls cannot be applied.

APPROVAL

Please indicate acceptance of this Agreement by returning a signed copy of this Agreement or a purchase order incorporating the terms and conditions of the Agreement, along with the attached Project Checklist and Client/User Questionnaire fully completed.



July 23, 2020

Brian Thoreson
Hayden Homes, LLC
2464 SW Glacier Place, Suite 110
Redmond, Oregon 97756

Via email: bthoreson@hayden-homes.com

Regarding: Proposal to Provide a Phase I Environmental Site Assessment
Tax Parcels near Road 3 Northeast
Moses Lake, Washington
PBS Proposal PR66256

Dear Mr. Thoreson:

PBS Engineering and Environmental Inc. (PBS) is pleased to submit this proposal to Hayden Homes, LLC to provide Phase I Environmental Site Assessment (ESA) services for the property located at Road 3 Northeast in Moses Lake, Washington.

This proposal outlines our project approach, scope of work, schedule, and budget for PBS services based on our understanding of the project, information provided to us to date, and experience with similar projects.

PROJECT UNDERSTANDING AND APPROACH

PBS understands that the subject property consists of five tax parcels totaling approximately 90 acres and is currently undeveloped.

PBS' scope of work follows ASTM International's E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, approved by the Environmental Protection Agency (EPA) in November 2013, for conducting all appropriate inquiries (AAI) to protect innocent landowners, bona fide prospective purchasers, and contiguous property owners from CERCLA liability.

PBS investigators meet the environmental professional (EP) criteria, and bring many years of diverse experience to this project. The following scope of work and compensation are based on PBS' understanding of current structures, site conditions, and usage.

SCOPE OF WORK

A more detailed scope of work is attached to this proposal and contains important assumptions related to the completion of this work. Please review this section carefully.

Deliverable

An electronic copy of the final report will be provided.

COMPENSATION ESTIMATE

PBS proposes to provide the scope of work on a time and materials basis. The following outlines the estimated cost for the scope of services:

Appendix A

Contract and Resumes

PBS Proposal to Provide a Phase I Environmental Site Assessment/Contract
Resumes/Staff Qualifications



SOURCE: © 2019 GOOGLE EARTH PRO



Scale 1" = 500'



PREPARED FOR: HAYDEN HOMES, LLC



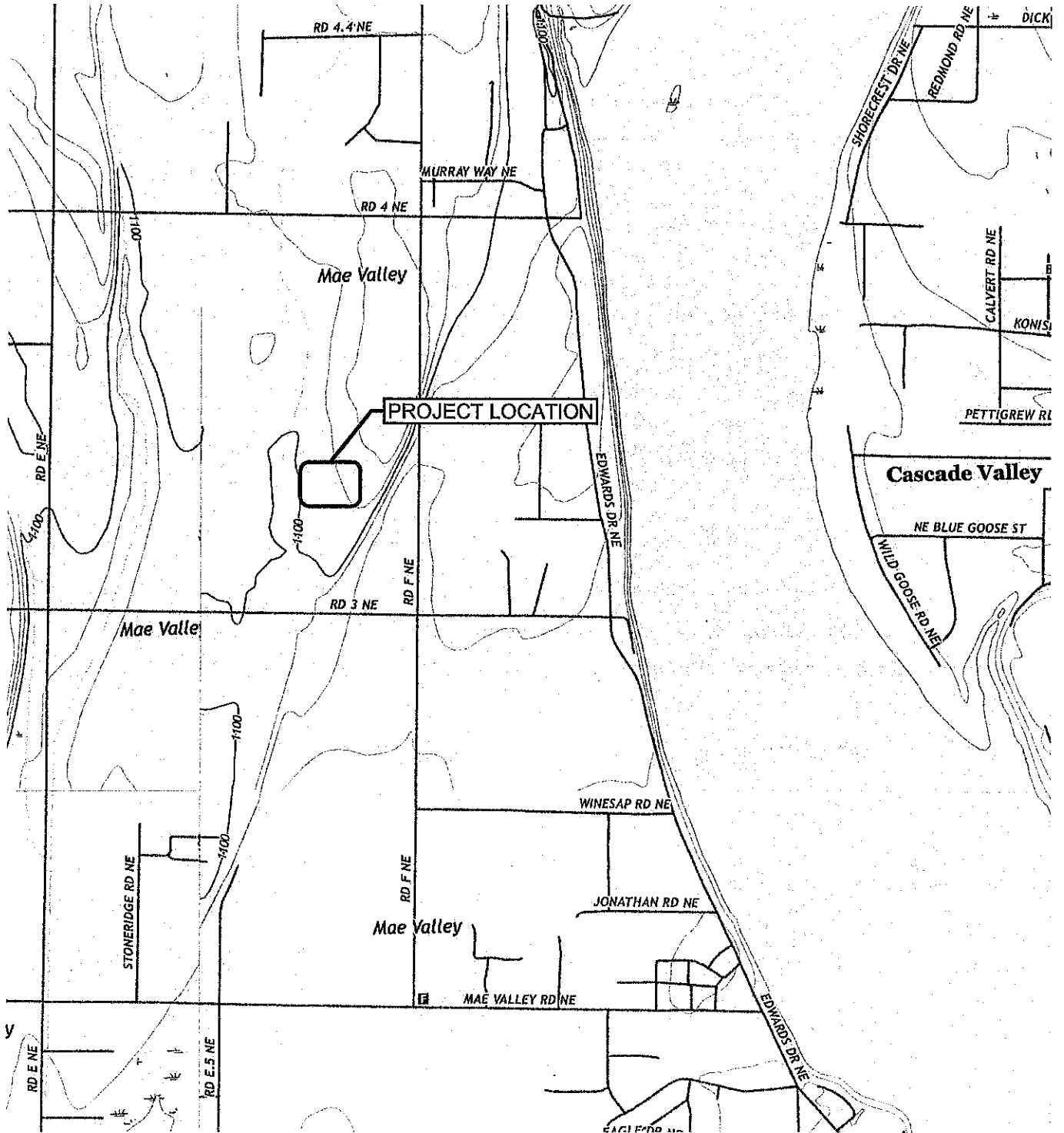
SITE PLAN

FIVE TAX PARCELS NEAR ROAD 3 NORTHEAST
MOSES LAKE, WASHINGTON

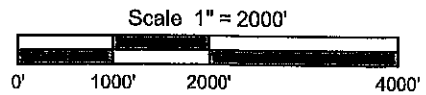
AUG 2020
66256.000

FIGURE

2



SOURCE: USGS MOSES LAKE NW, WA; MOSES LAKE N, WA; MAE, WA; MOSES LAKE S, WA QUADRANGLE 2020.



PREPARED FOR: HAYDEN HOMES, LLC



VICINITY MAP
 FIVE TAX PARCELS NEAR ROAD 3 NORTHEAST
 MOSES LAKE, WASHINGTON

AUG 2020
 66256.000
 FIGURE
1

Figures

- Figure 1. Site Vicinity Map
- Figure 2. Site Plan

11.3 Cross Reference for ASTM E1527-13 Requirements

This table provides an easy cross reference for ensuring that the PBS Phase I ESA report complies with ASTM E1527-13. The ASTM recommended format is found in Appendix X4 of the standard.

ASTM Recommended Format	Provided in PBS Report Page/Section Number
X4.1 Summary	Executive Summary
X4.2 Introduction	Sections 1 and 2
X4.3 User Provided Information	Sections 1, 4 and 6, Appendix F
X4.4 Records Review	Sections 3 and 4, Appendices B, C, and D
X4.5 Site Reconnaissance	Section 5, Appendix E
X4.6 Interviews	Section 6
X4.7 Evaluation	Section 8
X4.8 Non-Scope Services	7
X4.9 Appendices	Appendices A, B, C, D, E, and F

Practically Reviewable. Information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of irrelevant data. The form of the information shall be such that the User can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the property or a geographic area in which the property is located are not generally practically reviewable. Most databases of public records are practically reviewable if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practically reviewable. Listings in publicly available records which do not have adequate address information to be located geographically are not generally considered practically reviewable. For large databases with numerous records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not practically reviewable unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be practically reviewable. In other words, when so much data is generated that it cannot be feasibly reviewed for its impact on the property, it is not practically reviewable. (ASTM E1527-13, Section 3.2.69)

Publicly Available. Information that is publicly available means that the source of the information allows access to the information by anyone upon request. (ASTM E1527-13, Section 3.2.72)

Reasonably Ascertainable. Information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable. (ASTM E1527-13, Section 3.2.77)

Recognized Environmental Condition (REC). The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions. (ASTM E1527-13, Section 3.2.78)

Subject Property (ASTM standard uses the term Property). The real property that is the subject of this Environmental Site Assessment. Real property includes buildings and other fixtures and improvements located on the property and affixed to the land. (ASTM E1527-13, Section 3.2.70)

User. The party seeking to use ASTM Practice E1527 to complete an Environmental Site Assessment of the property. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The User has specific obligations for completing a successful application of this practice as outlined in Section 6 of Practice E1527. (ASTM E1527-13, Section 3.2.98)

Environmental Professional. A person meeting the education, training, and experience requirements set forth in 40 CFR §312.10(b). That person may be an independent contractor or an employee of the User. (ASTM E1527-13, Section 3.2.32)

Hazardous Substance. A substance defined as a hazardous substance pursuant to CERCLA 42 USC §9601 (14), as interpreted by EPA regulations and the courts: "(A) any substance designated pursuant to Section 1321 (b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to Section 9602 of this title, (C) any hazardous waste having the characteristics identified under or pursuant to Section 3001 of the Solid Waste Disposal Act (42 USC 6921) (but not including any waste the regulation of which under the Solid Waste Disposal Act (42 USC §9601 et seq.) has been suspended by act of Congress), (D) any toxic pollutant listed under Section 1317(a) of Title 33, (E) any hazardous air pollutant listed under Section 112 of the Clean Air Act (42 USC 7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the administrator (of EPA) has taken action pursuant to Section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)." (ASTM E1527-13, Section 3.2.39)

PBS Note: The term hazardous substances, as it is used in this report, describes both hazardous substances and petroleum products. It does not include hazardous building materials.

Historical Recognized Environmental Condition (HREC). A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition. (ASTM E1527-13, Section 3.2.42)

Landowner Liability Protections (LLPs). Landowner liability protections provided under CERCLA; these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability projection, and innocent landowner defense from CERCLA liability. See 42 U.S.C. §§ 9601(35)(A), 9601(40), 9607(b), 9607(q), 9607(r). (ASTM E1527-13, Section 3.2.49)

Other Issues of Concern. Issues that could potentially result in adverse environmental impacts to the subject property. They are not included as recognized environmental conditions because insufficient evidence was collected during the course of this study to come to the conclusion that the condition(s) has resulted in the "presence or likely presence" of contamination to soil and/or groundwater on the subject property.

Petroleum Products. Those substances included within the meaning of the petroleum exclusion to CERCLA, 42 U.S.C. §9601(14), as interpreted by the courts and EPA; that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 U.S.C. § 9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to Standard Definitions of Petroleum Statistics.) (ASTM E1527-13, Section 3.2.65)

Continuing Obligations. After completion of an AAI-compliant Phase I ESA, there are continuing obligations of the User required under 2002 Brownfields Amendment to maintain landowner liability protections. These include:

1. Complying with land use restrictions and not impeding the effectiveness or integrity of institutional controls.
2. Taking "reasonable steps" with respect to hazardous substances affecting a landowner's property to stop continuing releases, prevent threatened future releases, and prevent exposure to earlier releases.
3. Providing cooperation, assistance, and access to the EPA, a state, or other party conducting response actions or natural resource restoration at the property.
4. Complying with CERCLA information requests and administrative subpoenas.
5. Providing legally required notices relating to the discovery or release of hazardous substances on the property (40 CFR Par 312, Section II – Background, Item D).

Controlled Recognized Environmental Condition (CREC). A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). (See ASTM Note 2.) A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report. (See ASTM Note 3.) (ASTM E1527-13, Section 3.2.18)

ASTM Note 2: For example, if a leaking underground storage tank has been cleaned up to a commercial use standard, but does not meet unrestricted residential cleanup criteria, this would be considered a controlled recognized environmental condition. The "control" is represented by the restriction that the property use remains commercial.

ASTM Note 3: A condition identified as a controlled recognized environmental condition does not imply that the environmental professional has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or is intended to be, implemented.

Data Failure. A failure to achieve the historical research objectives in Section 8.3.1 through 8.3.2.2 of ASTM E1527-13 even after reviewing standard historical sources in 8.3.4.1 through 8.3.4.8 of ASTM E1527-13 that are reasonably ascertainable and likely to be useful. Data failure is a type of data gap. (ASTM E1527-13, Section 3.2.20)

Data Gap. A lack of, or inability to obtain required information by ASTM E1527-13 despite good faith efforts to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc). The report will identify and comment on significant data gaps that affect the ability of the EP to identify recognized environmental conditions. (ASTM E1527-13, Section 3.2.21)

De minimis Condition. Condition that generally does not present a material risk of harm to public health or the environment or that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.

11.2 Glossary

Note: Definitions without a specific citation are derived from PBS project and industry experience.

Abandoned Property. A property that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current owner to surrender rights to the property. (ASTM E1527-13, Section 3.2.1)

Activity and Use Limitations (AULs). Legal (institutional) or physical (engineering) restrictions or limitations on the use of, or access to, a site or facility, to reduce or eliminate potential exposure to hazardous substances or petroleum products in soil or groundwater, or to prevent activities that could interfere with the effectiveness of a response action in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or ground water on the property. (ASTM E1527-13, Section 3.2.2)

Adjoining Properties. Any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with the property but for a street, road, or other public thoroughfare separating them. (ASTM E1527-13, Section 3.2.4)

All Appropriate Inquiry (AAI). That inquiry constituting "All Appropriate Inquiry" into the previous ownership and uses of the property consistent with good commercial or customary practice, as defined in CERCLA, 42 U.S.C. §9601(35)(B), that will qualify a party to a commercial real estate transaction for one of the threshold criteria for satisfying the LLPs to the CERCLA liability (42 U.S.C. §9601(35)(A)&(B), §9607 (b)(3), §9607(q); and §9607(r)), assuming compliance with other elements of the defense. (ASTM E1527-13, Section 3.2.6)

Approximate Minimum Search Distance. The area for which records must be obtained and reviewed pursuant to Section 8 of ASTM Standard Practice E1527-13 subject to the limitations provided in that section. This may include areas outside the property and shall be measured from the nearest property boundary. This term is used in lieu of radius to include irregularly shaped properties. (ASTM E1527-13, Section 3.2.7)

Business Environmental Risk. A risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations some of which are identified in the report (ASTM E1527-13, Section 3.2.11)

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA), 42 USC 9601 et seq. (ASTM E1527-13, Section 3.3.2)

Contaminated Aquifer Policy: Oregon and Washington environmental agencies will not hold a property owner liable for groundwater contamination that has migrated from an upgradient property. This indemnity is granted under the assumption that the property owner is not responsible for the release of the contamination, is not financially associated with the property from which the contamination originated, and did nothing to exacerbate the problem. Certain restrictions might be placed on the use of groundwater on the site (such as an irrigation or drinking water well could not be installed on the property). The property owner should ensure that the contamination does not present a health risk to on-site occupants. (5/20/04 DEQ Contaminated Aquifer policy, Washington RCW 70.105D.020(17)(iii)F(iv))

11 RESOURCES

11.1 References

Many references, primarily internet-based and governmental resources, are cited within the text of this report and are not repeated on this page.

Metsker's Atlas of Grant County. 1961.

<http://www.historicmapworks.com/Atlas/US/29252/Grant+County+1961/>

When an assessment is completed without surface exploration or chemical screening of soil and groundwater beneath the subject property, as in this study, no statement of scientific certainty can be made regarding latent subsurface conditions that may be the result of on-site or off-site sources. PBS is not able to represent that the Site or adjoining land contains no hazardous substances including petroleum, or other latent conditions beyond that identified by PBS during the study. The possibility always exists for contaminants to migrate undetected through surface water, air, soil, soil gas, or groundwater. The ability to accurately address the environmental risk associated with transport in these media is beyond the scope of this study.

The findings and conclusions of this report are not scientific certainties, but are based on professional judgment concerning the significance of the data gathered during the course of the Phase I ESA. The conclusions in this report are not to be considered a legal opinion or advice as to the Client's duty concerning due diligence and all appropriate inquiry relating to potential liabilities in leasing, owning, or purchasing real estate.

The ASTM method does not require a search interval of fewer than five years; this search interval is not guaranteed to identify all prior tenants or occupants of the subject property (please refer to the table in section 4.1 Standard Historical Resources for search intervals achieved for this report.) The PBS investigator reviewed sources that are publicly available, available within a reasonable time and cost, and reasonably ascertainable and considered practically reviewable, as defined under the ASTM standard. In addition, these criteria are applied keeping in mind sources that are likely to provide information concerning possible recognized environmental conditions at the subject property. PBS has reviewed sources of information that we consider meeting these criteria. In cases where the history of the subject property is not traced prior to its first-developed use, this condition is considered a data failure and not an exception to the required scope of work. If the data failure represents a significant data gap, this will be discussed in the report.

10.3 Data Gaps

A data gap results from a lack of, or inability to, obtain information required by the ASTM method, despite good faith efforts to gather such information. Our report identifies and comments on significant data gaps that have affected our ability to identify recognized environmental conditions.

10.4 Client Reliance

PBS acknowledges that only the Client (User of the report) may rely upon the information, findings, opinions, and conclusions set forth in this report, subject to the conditions and limitations contained in this report, and as set forth in our contract. This report is for the exclusive use of the User and is not to be relied upon by other parties unless specifically indicated. Reliance on this report by other parties will require a fee from those parties, and a written agreement from PBS, and will be subject to the same conditions and limitations contained in the contract between PBS and the User. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

This report was prepared with the standard of care and skill ordinarily recognized under similar circumstances by members of its profession in the state and region at the time the services are performed. No warranties, expressed or implied, are made.

This report provides information on the subject property only as specified in the scope of work based on conditions at the time of the study. Additional information may become available that differs significantly from our understanding of conditions presented in this report. If this occurs, we request that this information be brought to our attention so that we may reassess the conclusions provided herein.

10 ASSUMPTIONS AND LIMITATIONS

10.1 Significant Assumptions

Client's Responsibilities

It is assumed that the User has provided PBS with title and lien records, actual knowledge of environmental liens or activity and use limitations encumbering the property, any specialized knowledge or experience material to recognized environmental conditions in connection with the property, any commonly known or reasonably ascertainable information material to recognized environmental conditions on the property, and the reason why the property may have a significantly lower purchase price than comparable properties, if applicable (User Responsibilities, ASTM E1527-13, Section 6.0).

It is further assumed that the Client will read this report in its entirety (text and attachments) before making decisions based on the findings of the report.

Groundwater Flow

Groundwater flow direction has been determined based on topography in the area of the subject property; the assumption is that shallow groundwater flow will follow topography. No site-specific field measurements of groundwater flow direction (such as installation of groundwater monitoring wells) have been performed.

Based on this interpretation, PBS has reviewed regulatory agency information for sites located in a presumed upgradient direction that, based on proximity and knowledge of potential contaminant fate and transport, may potentially impact the subject property.

Accuracy and Completeness

The public records search is performed by PBS with the understanding that such records may be inaccurate or incomplete, and that the ability of public agencies to retrieve records may be variable or inconsistent over time. Similarly, PBS interviews of knowledgeable persons are performed in good faith that information provided is reasonably accurate and truthful. It may not always be feasible or appropriate for PBS to determine the accuracy of conflicting information, and this determination is pursued at the environmental professional's discretion.

10.2 Limitations and Exceptions

Unless noted elsewhere in this proposal, the scope of work for the project does not address a number of potentially significant environmental issues including, but not limited to, hazardous materials audit, environmental compliance, vapor encroachment assessment per ASTM standard E2600-10, formaldehyde, radon, asbestos-containing building materials, PCBs, lead-containing paint, mold, wetlands and other land use issues, drinking water quality, geotechnical or geologic hazards, nor does it include subsurface exploration or chemical screening of soil and groundwater beneath the subject property.

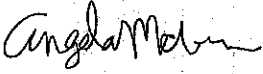
Recognized environmental conditions are defined in paragraph 3.2.78 of ASTM E1527-13 and the complete text is included in the glossary of this document. The vague and ambiguous nature of recognized environmental conditions as defined by the ASTM standard may result in reasonable minds differing as to whether any observed condition at a site is a recognized environmental condition. There may be other conditions noted in this report that could be considered recognized environmental conditions by other persons. Accordingly, the Client is advised that no warranty is given that other experts may agree that site conditions noted herein are recognized environmental conditions. Users of this report are encouraged to review the report in its entirety and specifically to consider all site conditions described and not merely those classified herein as recognized environmental conditions.

9 SIGNATURES

PBS respectfully submits the results of our Phase I Environmental Site Assessment. We appreciate the opportunity to provide our recommendations for your project. If you have additional concerns, please do not hesitate to contact us at 509.942.1600.

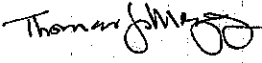
Sincerely,
PBS Engineering and Environmental Inc.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.


Digitally signed by
Angela McGuire
Date: 2020.08.21
15:49:31 -07'00'

Angela McGuire
PBS Project Geologist

Date


Digitally signed by
Thomas Mergy
Date: 2020.08.21
15:26:24 -07'00'

Thomas Mergy, LHG
PBS Hydrogeologist

Date

8 EVALUATION

The sections below present the findings, opinion, and conclusions of this Phase I ESA.

8.1 Findings and Opinion

This Phase I ESA identified the following:

1. The property was in agricultural (crop fields) use for a portion of the 1950s, possibly through at late as the mid-1970s, and again in the 1990s. The use of regulated agricultural chemicals (e.g., organochlorine pesticides and arsenical herbicides) is considered an acceptable practice. Spillage, mixing, or handling of these chemicals in bulk quantities or intense usage can result in hazardous soil conditions requiring remedial action in accordance with state or federal agencies. No information was available indicating hazardous soil conditions exist on the subject property; therefore, this is considered a *de minimis* environmental condition.

8.2 Conclusions

PBS has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-13 of Five Tax Parcels near Road 3 Northeast in Moses Lake, Washington, the subject property. Any exemptions to, or deletions from, this practice are described in section 1 of this report. This assessment has revealed no evidence of RECs in connection with the property.

Data Gaps

No data gaps were identified during this study.

Additional Investigation

No additional investigation is warranted.

7 NON-SCOPE CONSIDERATIONS

Non-scope considerations are issues or conditions at the subject property that could pose a business risk to an owner or prospective purchaser but are not included in a standard Phase I ESA. PBS assesses non-scope considerations only when requested to do so by the Client.

There were no non-scope considerations requested by the Client.

6 INTERVIEWS

The section below summarizes information obtained from interviews and questionnaires completed by the Client/User, property owner, and/or other key personnel.

6.1 Interview with Client/User

Brian Thoreson, buyer representative for Hayden Homes, filled out the standards written questionnaire regarding the subject property. Information obtained from the interview/questionnaire is summarized below. A copy of the questionnaire is provided in Appendix F.

- Mr. Thoreson is not aware of environmental liens against the subject property or activity and use limitations related to environmental conditions.
- Mr. Thoreson does not have specialized knowledge or experience that may be material to the identification of recognized environmental conditions on the subject property.
- Mr. Thoreson did not indicate that the property purchase price been devalued based on environmental conditions at the subject property or surrounding properties.
- Mr. Thoreson indicated that the subject property has been vacant.

6.2 Interview with Owner

The PBS standard Property Owner/Representative Questionnaire was completed by John Enright for Sun Ranch, LLC, and is included in Appendix F. The interview and questionnaire are summarized as follows:

- Mr. Enright has owned the property for 20 years.
- Mr. Enright indicated that the previous property owner was the O'Sullivan Estate.
- Mr. Enright indicated that the subject property had been used for pasture during his ownership.
- Mr. Enright indicated no knowledge of environmental liens against the subject property, or limitations of use related to environmental conditions.

6.3 Interview with Previous Owner(s)

An interview with the previous owner was not completed due to lack of contact information for a representative of the O'Sullivan Estate. Based on available historical and regulatory information for the subject property, this does not impact the ability of PBS to identify recognized environmental conditions (RECs).

6.4 Interviews with Site Manager, Occupants, or Employees

The subject property is managed by the current property owner.

6.5 Interviews with Local Government Officials

Interviews with local government officials were previously summarized in section 3.1, and are not repeated here.

6.6 Interviews with Others

No other interviews were conducted for this report.

5.4 Observed Current Use of Adjoining Properties

- North: Agricultural field (west), vacant (east)
- South: Residences and farm operations (southwestern portion of subject property); agricultural field and residences (south of Road 3)
- East: Undeveloped, with a large shed or garage; residential (across Road F)
- West: Agricultural field, residential

These properties were viewed from the subject property or the nearest public right-of-way.

The following conditions of environmental concern were observed:

- Farm operations on the southwest adjacent property included 3 large above-ground storage tanks and approximately 12 drums located next to a barn and fencing for livestock. The tanks and drums were located very close to the subject property boundary, but PBS was unable to observe the back sides of the tanks without crossing into the adjacent property boundary. Therefore, PBS was unable to view signage or determine the contents of the ASTs or drums, but they appeared to be in good condition as observed from the subject property.

Floor Drains, Catch Basins, Sumps, Oil/Water Separators

None of these structures were observed on the subject property.

Hazardous Substances, Petroleum Products, Unidentified Containers

None of these were observed during the site visit.

Improper Dumping/Solid Waste Disposal

The following indications of improper solid waste disposal were observed during the site reconnaissance:

- Occasional items of scattered windblown debris near property boundaries
- A pile of gravel and concrete rubble was observed in the south-central portion of the subject property
- A discarded metal shed or storage container was observed in the south-central portion of the subject property

Pits, Ponds, Lagoons, Surface Impoundments

None of these features were observed on the subject property.

Polychlorinated Biphenyls (PCBs)

PCBs were once used in the manufacture of electrical equipment (transformers) and hydraulic fluids. Now considered hazardous substances under CERCLA rules, the manufacture of PCBs was banned in 1979. Examination or sampling of individual building components or fixtures for PCBs is not within the scope of the Phase I ESA; however, the following were observed:

- Three pole-mounted transformers were observed on the subject property on the south property boundary adjacent to Road 3. PBS was unable to view any signs regarding PCB content, but the transformers were observed to be in good conditions with no visible leaking or staining.

Stains, Sheens, Odors

None of these conditions were observed on the subject property.

Wells

A large irrigation well, approximately 16 inches in diameter, was observed on the southernmost tax parcel, just north of Road 3.

Other Conditions of Concern

The following other conditions of concern were observed on the subject property during the site reconnaissance:

- A concrete pad, approximately eight by twelve feet, was observed in the center of the subject property. The pad stood about one foot high and was bordered by a wooden frame. Groundhogs were nesting underneath the pad, and no indications of past use were observed. PBS also did not observe any indications of vehicle or chemical use, such as odors or stained soil, in association with the concrete pad.

5 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The site reconnaissance was conducted by Angela McGuire, PBS environmental professional (EP), on August 10, 2020, to observe and document site conditions and visible indications of existing environmental conditions.

The entirety of the subject property was accessed. PBS walked property perimeter and traversed through the center of the subject property at regular intervals, approximately every 200 feet or where an area of interest was observed. Due to the large size of the subject property, PBS was not able to walk every area of the subject property but was able to view its entirety due to good visibility and short vegetation at the time of the site visit. PBS also planned walking routes with special attention to access roads or low areas, where discarded trash or other environmental concerns would be likely to be found.

Photographs of the Site are included in Appendix E.

5.2 Site and Vicinity General Characteristics

The subject property consists of five tax parcels totaling approximately 90 acres. The Site is located in a primarily agricultural region of Moses Lake, with rural residential housing. The Site's slope is variable, with a steep slope in the southeast of the subject property. The rest of the subject property consists low hills and natural depressions. Past use of the subject property as pasture was indicated by old horse or cow droppings throughout the subject property. Some out-of-use irrigation equipment was located in the southeast portion of the subject property, indicating the potential for past agricultural operations at the Site.

Site Operations/Processes

No current operations were observed at the subject property.

Exterior Improvements

The Site is accessed by paved Road 3 Northeast to the south of the subject property or by an unnamed gravel road to the west, presumably used to access agricultural fields at the west adjacent property. Dirt access roads are also present throughout the subject property, which are visible on Figure 2.

Utilities

Water Supply:	Irrigation well
Sewage System:	None
Stormwater:	Overland flow
Heating Source:	None

5.3 Site Conditions and Observations

Note: The PBS Field Checklist, Appendix E, may detail additional field observations not described below.

Aboveground and Underground Storage Tanks

No indications of aboveground storage tanks (ASTs) or USTs, such as vent pipes or fill pipes, were observed on the subject property's grounds during the site reconnaissance.

Drywells, Injection Wells, Septic Systems

None of these features were observed and/or known to be present on the subject property.

gap and the data failure does not change the conclusions or opinion of PBS as stated in this Phase I ESA.

- Several time periods exist for which data could not be gathered every five years (see source tables above). Section 8.3.2.1 of ASTM E1527-13 indicates that if the specific use of the property appears unchanged over a period longer than five years, then research of its use during that period is not required. PBS does not view this data failure as a significant data gap and the data failure does not change the conclusions or opinion of PBS as stated in this Phase I ESA.

Year	Source	Description
2009, 2013, 2017	Aerial photograph	<p><u>Subject Property</u>: No significant changes are apparent since the previous aerial photograph.</p> <p><u>Adjoining Properties</u>: No significant changes are apparent since the previous aerial photograph.</p>

Summary of Property Use from Historical Sources

The majority of the subject property was undeveloped since 1952, though a small area in the northwest of the subject property may have been used for agriculture. By 1976, the entirety of subject property appears not to be in use. Aerials from 1996 indicate that the northwestern portion of the subject property may be in agricultural use again (row crops), but by 2006, the entirety of the subject property is out of use again. The subject property is currently undeveloped.

Surrounding properties are undeveloped in 1952, with the exception of south and west properties being in agricultural use. Residential development is apparent at the southwest adjacent property in the late-1970s. By 1982, the north adjacent property is also in agricultural use, and rural residential development is apparent to the northeast of the subject property. Rural residential and agricultural development increased at the south and east adjacent properties by 1991. Development of the southwest adjacent property as a rural residence or farm increased by 2006. Surrounding properties remained in agricultural and rural residential use until the present.

4.2 City Directories

City directories were searched using EDR. A listing of the directory listings is included in Appendix D. A summary of the findings is presented below.

The subject property is not listed on the city directories. Adjoining properties are not listed, and nearby properties are almost entirely residential.

4.3 Previous Environmental Assessments

No previous environmental assessments were identified by PBS for the subject property.

4.4 Activity and Use Limitations

PBS did not identify environmental liens, activity and use limitations (AULs), or easements and equitable servitudes on the subject property during this study.

4.5 Data Failure

Data failure was encountered while conducting the historical research for this Phase I ESA report. Data failure occurs when the standard historical sources reasonably ascertainable and likely to be useful have been reviewed, but the objectives in ASTM E1527-13 Sections 8.3.1 through 8.3.2.2 have not been met. If the data failure represents a significant data gap, the impact of this data gap shall be discussed in section 8.1 of this Phase I ESA report.

The following data failure occurred:

- The history of the property could not be established back to first development. Readily available records show use back to 1952, and based on these records, land use prior to this was likely partially in agricultural use or entirely undeveloped. PBS does not view this data failure as a significant data

Year	Source	Description
1955	Aerial photograph	<p><u>Subject Property:</u> The subject property is undeveloped, though a small portion in the northwest corner appears to be in agricultural use. Two unimproved roads are apparent running through the subject property.</p> <p><u>Adjoining Properties:</u> East and north adjacent properties are undeveloped, except for a small portion of the north adjacent property which is in agricultural use. The majorities of the west and south adjacent properties are in agricultural use, with some areas along the property boundaries being still undeveloped.</p>
1961	Metsker Atlas	<p><u>Subject Property:</u> The subject property appears to be split into several parcels, each owned by members of the O'Sullivan family.</p>
1976	Aerial photograph	<p><u>Subject Property:</u> The entirety of the subject property appears vacant or undeveloped.</p> <p><u>Adjoining Properties:</u> Development may be beginning at the southwest adjacent property.</p>
1982	Aerial photograph	<p><u>Subject Property:</u> No significant changes are apparent since the previous aerial photograph.</p> <p><u>Adjoining Properties:</u> Development has increased at the southwest adjacent property. The north adjacent property is in agricultural use. Rural residential development is apparent to the northeast of the subject property.</p>
1991	Aerial photograph	<p><u>Subject Property:</u> No significant changes are apparent since the previous aerial photograph.</p> <p><u>Adjoining Properties:</u> Rural residential and agricultural development is present at the east and south adjacent properties.</p>
1996	Aerial photograph	<p><u>Subject Property:</u> The northwestern part of the subject property may be in agricultural use. More access roads are present in the southeast portion of the subject property.</p> <p><u>Adjoining Properties:</u> No significant changes are apparent since the previous aerial photograph.</p>
2006	Aerial photograph	<p><u>Subject Property:</u> The subject property does not appear to be in use.</p> <p><u>Adjoining Properties:</u> No significant changes are apparent since the previous aerial photograph.</p>
2008	Grant County Planning Department Records	<p><u>Subject Property:</u> The subject property was added to the Moses Lake Urban Growth Area.</p>

4 HISTORICAL RECORDS REVIEW

4.1 Standard Historical Sources

ASTM E1527-13 indicates that review of standard historical sources at less than approximately five-year intervals is not required by this practice. If the specific use of the property appears unchanged over a period longer than five years, then it is not required by this practice to research the use during that period.

The following standard sources were reviewed:

- Aerial photographs were obtained from EDR aerial photograph collection, Central Washington University Historic Aerial Photograph Project, and Google Earth.
- Building department records were requested via email on July 30, 2020.
- Sanborn fire insurance maps were requested from EDR's Sanborn Collection, but records were not available.
- Title Records were not provided by the Client.
- Topographic maps were obtained from EDR Topographic Maps

Additional historical records that were also reviewed:

- Online searches (current and former property owners, adjoining property addresses)
- Historical Metsker Maps: <http://www.historicmapworks.com/>

The table below summarizes the information gathered from the sources listed above. Data obtained from other sources reviewed for this Phase I ESA may also be included in the following tables in order to identify potential historical data failures.

Copies of the reviewed records are included in Appendix D.

Year	Source	Description
1910, 1912	Topographic Map	<p><u>Subject Property:</u> A road is present through the western portion of the subject property. No buildings or other developments are visible on the subject property on the topographic maps. The subject property appears to be located in a rural or undeveloped area.</p> <p><u>Adjoining Properties:</u> No buildings are noted on the surrounding properties, except for the road to the west of the subject property.</p>
1952	Aerial photograph	<p><u>Subject Property:</u> The subject property is undeveloped, though a small portion in the northwest corner may be in agricultural use.</p> <p><u>Adjoining Properties:</u> Properties to the south and west may be in agricultural use, and other surrounding properties are undeveloped.</p>

Surrounding Properties

The following nearby properties appear on the regulatory database report but do not present an environmental concern to the subject property.

Address:	Richard Keith 5256 Road 3 NE	Program #:	ALLSITES: 1011280190 FINDS
Located 0.289 mi southwest of the subject property (cross-gradient)			
This property is listed on the WA ALLSITES database with Facility ID 8845482 and the Facility Index System/Facility Registry System (FINDS) database with Registry ID 110036133378. An enforcement or compliance activity is noted in March 2007, but no other information is available on the database report.			
Address:	Jeffrey & Lisa Semanko 5673 NE Road 4	Program #:	ALLSITES: S110486137
Located 0.497 mi north of the subject property (cross-gradient)			
This property is listed on the WA ALLSITES database with Facility ID 21538, but no other information is available on the database report.			

Unmappable Sites

The unmappable/orphan sites were reviewed on July 29, 2020. Four unmappable sites were reviewed, but based on the presumed location and/or reported regulatory status, unmappable sites listed on the EDR database report are considered to pose *de minimis* concern.⁵

⁵ Unmappable sites are identified as "Non-Geocoded" or "Orphan" in the regulatory database report. They are categorized this way because inaccurate or incomplete site addresses prevented mapping by the database provider. PBS has reviewed and, in some cases, located these unmappable sites. Environmental risk associated with remaining unmappable sites could not be determined.

3 GOVERNMENTAL AND REGULATORY RECORDS REVIEW

3.1 Government Record Sources

Washington State Department of Ecology (Ecology) Online Facility Profiler

Ecology maintains an online database³ of state cleanup and federal Superfund sites, hazardous waste generators, underground storage tanks (USTs), solid waste facilities, and other environmental concerns. This website was reviewed by PBS on July 28, 2020. The subject property was not listed. No adjoining or nearby properties were listed other than those identified by the environmental database search (see section 3.2).

Local Fire Department

PBS requested information on August 17, 2020 from the Moses Lake Fire Department (509.765.2204), regarding the subject property. No records for the property were available from this source.

Underground Injection Controls (UICs)

Ecology maintains an online database for registered underground injection controls (UICs).⁴ This database was reviewed by PBS on July 28, 2020. No records of UICs were on file for the subject property or adjacent properties.

Other Government Records

No other local government records were reviewed for this assessment.

3.2 Standard Environmental Record Sources

A search of EPA, state, and tribal environmental database listings was performed by a commercial database search provider (a copy of the database search report is included in Appendix C). The purpose of this search was to identify potential, suspected, or known sources of contamination on or in the area of the subject property. Various agency listings were searched for different approximate minimum search distances from the subject property as established in the ASTM method. Listings included publicly available databases of environmental liens, activity and use limitations, and easements and equitable servitudes, if recorded or filed.

If the Site and/or adjacent properties are identified in the regulatory database report, the information is summarized below. Regulatory data for surrounding properties that may pose a potential risk to the subject property are also included. Other properties listed in the database report are not considered to be of environmental concern to the Site based on presumed groundwater flow direction, distance from the subject property, regulatory status (for example, the agency file is closed), or other physical factors.

The commercial database report may also include proprietary data derived from historical city directories. These can include historical dry cleaners/laundries and automobile stations (gas stations, automobile repair shops, auto body shops). These are non-regulatory listings and are included as historical information.

Subject Property

The subject property does not appear on the regulatory database report.

Adjoining Properties

No adjoining properties appear on the regulatory database report.

³ <https://fortress.wa.gov/ecy/neighborhood/>

⁴ <https://fortress.wa.gov/ecy/uicsearch/>

Based on topography, the direction of shallow unconfined groundwater flow is expected to be toward the southeast; therefore, properties to the northwest are considered upgradient to the subject property.

2 PROPERTY INFORMATION AND PHYSICAL SETTING

2.1 Site Description

Site Address:	Five Tax Parcels near Road 3 Northeast, Moses Lake, Washington 98837
Tax Lot:	Grant County Assessor IDs: 312408000, 161422000, 161420000, 161421000, 161429000
Township, Range, Section:	Township 19N Range 27, SE ¼ of Section 13, Willamette Base and Meridian
Size:	Approximately 90 acres
Current Use:	Undeveloped land

Grant County tax parcel 312408000 has the address 3265 Road E.5 Northeast, while other tax parcels have no designated addresses.

Tax lot information was obtained from the Benton/Franklin County Assessor online maps resource¹ on July 28, 2020.

A Site Vicinity Map and Site Plan are included with this report under Figures. A copy of the county assessor's tax map is included in Appendix B.

2.2 Owner and Occupant(s)

Current Owner:	John Enright, Sun Ranch, LLC, 20 years
Previous Owner:	O'Sullivan Estate, unknown length
Property Manager:	Current owner
Current Occupant(s):	Vacant land

2.3 Topography and Surface Features

The US Geological Survey 7.5-minute topographic map (Moses Lake Quadrangle, 2014; see Figure 1) for the Site indicates that the northern portion of the site is generally flat, and the south portion of the site slopes toward the southeast. The subject property elevation is approximately 1100 feet above mean sea level.

The topographic map indicated that the nearest surface water Moses Lake is located approximately 0.75 miles east from the subject property.

2.4 Groundwater Well/Borehole Records

The Washington State Department of Ecology's (Ecology) well log database² provides logs for water wells, monitoring wells, and geotechnical borings along with decommissioned well reports and other records. This database was reviewed by PBS on July 28, 2020. No on-site wells were identified. The following representative nearby well logs were identified: 163045, 163642, 164695, 412522. Records for the nearby wells indicate that groundwater was first encountered at 140 to 163 feet below ground surface (bgs), and static water was recorded between 41 and 82 feet bgs. Wells were drilled into gravel to depths of approximately 42 to 75 feet bgs, with a layer of gravel and/or sand ranging from approximate depths of 68 to 90 feet bgs below. Gravel or clays were recorded from approximately 90 to 140 feet bgs. Basalt was recorded on the logs from approximately 140 to 220 feet bgs. Copies of the reviewed logs are included in Appendix B.

¹ <https://www.grantcountywa.gov/Assessor/>

² <https://apps.wr.ecology.wa.gov/wellconstruction/map/WCLSWebMap/default.aspx>

subject property, including the potential for contaminants migrating to the subject property from an off-site location.

This assessment considers business environmental risks (see section 11.2 Glossary) that are not recognized environmental conditions unless the Client specifically requests otherwise. Please refer to the PBS Proposal to Provide a Phase I Environmental Site Assessment/Contract, Appendix A, for a detailed description of our scope of work.

PBS has prepared this report using information that is reasonably ascertainable; that is, information that is practically reviewable, publicly available, and obtainable from its source within reasonable time and cost constraints.

1.4 Conformance with ASTM E1527-13

This report has been formatted to maximize reader usability and comprehension. This report conforms to the requirements of ASTM E1527-13, and items indicated in Appendix X4 of the standard are included. Section 11 provides a cross-reference table that allows the reader to confirm conformance.

1.5 Non-ASTM Method Scope of Work

Non-ASTM method issues such as asbestos, lead-containing paint, wetlands, indoor air quality were not addressed during this study.

1.6 Special Terms and Conditions

The standard PBS Terms and Conditions are included in the PBS Proposal to Provide a Phase I Environmental Site Assessment/Contract in Appendix A; there are no special terms and conditions.

1.7 Client-Imposed Limitations

The Client did not impose limitations on PBS while completing this report.

1 PROJECT AND REPORT INFORMATION

1.1 PBS Client Information

PBS Engineering and Environmental Inc. (PBS) conducted this assessment for Hayden Homes, LLC (Client). The Client is considered the User, as defined by ASTM International Standard E1527-13.

This Phase I Environmental Site Assessment has been requested by Hayden Homes, LLC to qualify for the innocent landowner defense to CERCLA liability. This assessment was performed in general compliance with ASTM International's E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, approved by the Environmental Protection Agency (EPA) in November 2013, for conducting all appropriate inquiries (AAI).

1.2 Report Purpose

A Phase I Environmental Site Assessment (ESA) was conducted by PBS for the property consisting of five tax parcels located at 3265 Road E.5 Northeast in Moses Lake, Washington (Site or subject property). The purpose of the Phase I ESA was to identify recognized environmental conditions associated with the subject property, and to assess the likelihood that contamination from hazardous substances or petroleum products may exist on the Site either from past or present use of the subject property or nearby properties. This study is intended to reduce, not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with the subject property, within reasonable limits of time and cost.

The purpose of this study is to conduct an all appropriate inquiry into the current and previous ownership and uses of the subject property consistent with good commercial or customary practice. In so doing, the Client may qualify for one of three Landowner Liability Protections (LLP) that limit Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability. The Client must fulfill associated continuing obligations in order to maintain LLP status.

1.3 Scope of Work

The assessment was performed in general compliance with the ASTM International (ASTM) E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, approved by the EPA in November 2013. Unless noted in section 1.6 Special Terms and Conditions, the scope of work for the project included the following:

1. Identifying and visually surveying the subject property for the presence of hazardous substances and petroleum products.
2. Obtaining information from the Client through a completed disclosure questionnaire and a review of a title report, if provided by the Client.
3. Reviewing federal, state, tribal, and local agency listings using a commercial database search provider, including activity and use limitations.
4. Reviewing historical maps, historical occupant records, and the nature of past property usage.
5. Reviewing readily available soils, geology, or environmental reports for the subject property or subject property vicinity.
6. Interviewing persons knowledgeable about the subject property, including current and previous owners.
7. Preparing the report summarizing any observations, sources used, findings, conclusions, and opinions relating to the presence or likely presence of hazardous substances or petroleum products on the

Executive Summary

A Phase I Environmental Site Assessment was conducted by PBS Engineering and Environmental Inc. (PBS) for the property (Site or subject property) located at Five Tax Parcels near Road 3 Northeast in Moses Lake, Washington. The assessment was conducted for Hayden Homes, LLC (Client). This assessment was performed in general compliance with the ASTM International E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, approved by the Environmental Protection Agency (EPA) in November 2013, for conducting all appropriate inquiries (AAI).

This report should be read in its entirety (text and attachments) before decisions are made based on the findings provided in the Executive Summary. PBS is not responsible for utilization of less than the complete report.

Site Description and History

The Site consists of five tax parcels north of Road 3 in a mixed-use (agricultural and rural residential) area of Moses Lake. The subject property consists of undeveloped land, with no structures, and a large relatively new irrigation well is present near the subject property's southern boundary. Historically, the majority of the subject property was undeveloped. A small portion in the northwest of the subject property may have been in agricultural use from at least 1952 through the mid-1970s, and a larger portion of the subject property may have been in agricultural use in the mid-1990s. It was also used for pasture.

Regulatory Review

EPA and state environmental databases were reviewed to identify sites that pose a potential environmental concern to the subject property. The subject property does not appear on any database. Based on a review of the listed sites, none appear to pose a significant environmental concern to the subject property.

Findings and Opinions

1. The property was in agricultural (crop fields) use for a portion of the 1950s, possibly through at late as the mid-1970s, and again in the 1990s. The use of regulated agricultural chemicals (e.g., organochlorine pesticides and arsenical herbicides) is considered an acceptable practice. Spillage, mixing, or handling of these chemicals in bulk quantities or intense usage can result in hazardous soil conditions requiring remedial action in accordance with state or federal agencies. No information was available indicating hazardous soil conditions exist on the subject property; therefore, this is considered a *de minimis* environmental condition.

Recognized Environmental Conditions (RECs), Including Controlled RECs (CRECs)

PBS has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-13 of Five Tax Parcels near Road 3 Northeast in Moses Lake, Washington, the subject property. Any exemptions to, or deletions from, this practice are described in section 1 of this report. This assessment has revealed no evidence of RECs in connection with the property.

Data Gaps

No data gaps were identified during this study.

Additional Investigation

No additional investigation is warranted.

Abbreviations

The following are commonly used abbreviations in PBS Phase I Environmental Site Assessment reports. Abbreviations are defined upon first use within the text.

AAI	all appropriate inquiry
ACBM	asbestos-containing building material
ACM	asbestos-containing material
AST	aboveground storage tank
ASTM	ASTM International (formerly American Society for Testing and Materials)
AUL	activity and use limitation
bgs	below ground surface (depth below the ground surface)
CEG	conditionally exempt generator (of hazardous waste)
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act (EPA)
CREC	controlled recognized environmental condition
Ecology	Washington State Department of Ecology
EDR	Environmental Data Resources (a regulatory database report provider)
EPA	Environmental Protection Agency
ESA	environmental site assessment
HOT	heating oil tank
HREC	historical recognized environmental condition
LCP	lead-containing paint
LQG	large-quantity generator (of hazardous waste)
LUST	leaking underground storage tank
mg/kg	milligrams per kilogram (equivalent to ppm)
MTCA	Model Toxics Control Act (Washington State)
NFA	No Further Action determination (Ecology)
NLR	no longer reporting
NonGen	non-generator of hazardous waste
PBS	PBS Engineering and Environmental Inc.
PCB	polychlorinated biphenyls
ppm	parts per million (equivalent to mg/kg)
RCRA	Resource Conservation and Recovery Act (EPA)
REC	recognized environmental condition
SQG	small-quantity generator (of hazardous waste)
USGS	United States Geological Survey
UST	underground storage tank

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Supporting Data

FIGURES

Figure 1. Site Vicinity Map

Figure 2. Site Plan

APPENDICES

Appendix A: Contract and Resumes

PBS Proposal to Provide a Phase I Environmental Site Assessment/Contract
Resumes/Staff Qualifications

Appendix B: Property Information and Physical Setting Records

Well Logs

Tax Map

Appendix C: Regulatory Databases and Government Records

Regulatory Database Report

Appendix D: Historical Research Records

Historical Aerial Photographs

Building Department Records

Historical Topographic Maps

Local Street Directories

Appendix E: Site Reconnaissance Records

Site Photographs

Field Checklist

Appendix F: Questionnaires

Property Owner/Representative Questionnaire

Client/User Questionnaire

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Phase I Environmental Site Assessment

Five Tax Parcels near Road 3 Northeast
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