



ENVIRONMENTAL SERVICES
CITY OF PORTLAND
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**U.S. Army Corps
of Engineers**
Portland District

Lower Willamette River Ecosystem Restoration Preliminary HTWM Assessment Hazardous, Toxic, and Radioactive Waste Report - Appendix E

Draft Report
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1. Introduction

As part of the Lower Willamette River Ecosystem Restoration General Investigation, Tetra Tech conducted a preliminary Hazardous and Toxic Waste and Materials (HTWM) investigation of each recommended site to determine if there is any current and/or historical contamination that could adversely influence the implementation of any future planned restoration measures. The preliminary assessment was based on a review of relevant environmental databases maintained by Federal and state regulatory agencies, and limited site reconnaissance, both conducted in September 2009.

1.1 Database Search

As a primary basis for the preliminary assessment, Tetra Tech requested a search of available environmental databases for each restoration site, which was performed by Environmental Data Resources, Inc. (EDR 2009). The EDR database search included lists compiled by the U.S. Environmental Protection Agency (EPA) and the State of Oregon for sites within or in proximity to each restoration site that have had recent or historical unauthorized releases of hazardous materials or hazardous waste, where hazardous materials may have been used or stored, or which may be generators and/or transporters of hazardous wastes.

The following government databases were included in the EDR search in accordance with American Society for Testing and Materials (ASTM) Standard E 1527-05 search distances:

- Brownfields Investigations and Cleanup (Brownfields). The EPA maintains and monitors all properties subject to brownfield investigation and cleanup under cooperative agreements that may involve Federal and state agencies and responsible parties.
- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS). CERCLIS is a nationwide database of sites identified by EPA as abandoned, inactive, or uncontrolled hazardous waste sites that may require cleanup.
- Emergency Response Notification System. This database is maintained by EPA that covers reported unauthorized releases of oil and hazardous substances.
- Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) / Toxic Substance Control Act (TSCA) Tracking System (FTTS). These are recent cases tracked by EPA that involve pesticide enforcement actions and compliance activities related to FIFRA, the TSCA, and the Federal Emergency Planning and Community Right-to-Know Act.
- National Priorities List (NPL). This is a database maintained by EPA under the Comprehensive Environmental Response Compensation and Liability Act of 1980. Those CERCLIS sites that contain the greatest potential risk to human health and the environment become part of the NPL.

- Resource Conservation and Recovery Information System. In this database, EPA maintains information on those sites across the country that may generate, transport, store, treat, and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act.
- Toxic Chemical Release Inventory System (TRIS). The EPA maintains a list and monitors facilities that release reportable quantities of toxic chemicals to the air, water, or land.
- Aerometric Information Retrieval System. This is a database maintained by Oregon Department of Environmental Quality (ODEQ) regarding all Title V permitted facilities in Oregon that release regulated contaminants to the air.
- Environmental Cleanup Site Information (ECSI). Used by the ODEQ to track sites with known, suspected, or cleaned up hazardous substance contamination.
- Leaking Underground Storage Tanks. Information is maintained at ODEQ on reported leaking underground storage tank incidents.
- National Pollutant Discharge Elimination System (NPDES). This is a list of waste discharge systems (including stormwater) maintained and monitored by ODEQ.
- Oregon Confirmed Release List and Inventory. This list of sites, maintained and monitored by ODEQ, contains those sites in Oregon that have confirmed releases of contamination. This is the state's version of CERCLIS.
- Oregon Voluntary Cleanup Program (VCP). These are sites listed by ODEQ that have confirmed or unconfirmed releases where a project proponent has requested the state to oversee investigation and/or cleanup activities at the proponent's expense.
- Oregon Spills (SPILLS). This is a database tracking system used by the ODEQ to inventory and track oil and hazardous materials spills in the state that have been reported through the Environmental Response Program.
- Solid Waste Facility / Landfill (SWF/LF). The ODEQ maintains a list of, and information on SWF/LF in the state. Data maintained include location, type and age of landfill, if it is a permitted facility, and the status of its permit.
- Underground Injection Control (UIC) Program. This database is maintained by ODEQ which has been delegated by EPA to regulate all underground injection programs to remediate hazardous materials migration to protect groundwater resources.

2. Initial Findings Identified from the EDR Database Search Report

An overview of the database search report was conducted to assess any initial findings reported within the databases listed above. Findings that may indicate a need for further study of the information provided in the EDR report are discussed for each site in the section below. The additional investigation and/or monitoring suggested for these sites of interest might include field investigation, agency file and document research, and discussions with agency personnel and others who are knowledgeable about these sites. The intent of these additional investigations would be to compile additional information such as: (a) the nature and type of hazardous materials involved; (b) the potential for contamination at these sites to limit or eliminate the possibility of habitat restoration actions; (c) the current regulatory status of each site, as applicable; and (d) the extent and type of remedial action that has been or is being taken, or may be planned at these sites.

2.1 Site 1 Kelley Point Park

The overview of data generated for the Kelley Point Park site yielded 12 initial findings, as summarized in Table 1.1.

Database	Initial Findings
ECSI	1
FTTS	1
NPDES	2
SPILLS	5
VCP	1
TRIS	1
UIC	1
TOTAL	12

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report was performed for each of the above initial findings. Based on the review of information provided in the EDR report it was concluded that limited additional investigation and/or monitoring are warranted for three sites of interest in proximity to the Kelley Point Park study area (discussed below). The three sites of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report are listed in Table 1.2.

Table 1.2. HTWM Sites of Interest in the Site 1 Kelley Point Park Study Area

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. Land O' Lakes Inc.	ECSI, VCP, NPDES, SPILLS	15840 N. Simons Road, Portland, OR 97203	D

2. Portland General Electric – Kelley Point	UIC	8201 N. Marine Drive, Portland, OR, 97203	A
3. Auto Warehousing Co.	NPDES	8235 N. Marine Drive, Portland, 97203	A

Source: EDR Database Search Report (EDR 2009).

2.2 Site 2 Miller Creek Confluence

The overview of the database search report for the Miller Creek Confluence site yielded 24 initial findings reported in the above-listed databases, as summarized in table 1.3.

Database	Initial Findings
FIFRA/TSCA Tracking System (FTTS)	1
PCB Activity Database (PADS)	1
Environmental Cleanup Site Inventory System (ECSI)	1
Oregon Confirmed Release List (OR CRL)	1
National Pollutant Discharge Elimination System (NPDES) (and ICIS)	1
Leaking Underground Storage Tank Information System (LUST)	3
Oregon Spills (SPILLS)	15
Underground Injection Control Program (UIC)	1
TOTAL	24

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report was performed for each of the 24 initial findings. Based on the review of information provided in the EDR report for these initial findings it was concluded that limited additional investigation and/or monitoring are warranted at three sites of interest in proximity to the study area, listed in Table 1.4.

Table 1.4. HTWM Sites of Interest in the Site 2 Miller Creek Confluence Study Area

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. Portland General Electric – Harborton Substation.	ECSI, CRL, VCP, PADS, FTTS.	12500 NW Marina Way, Portland, OR 97231	E, F
2. Fred’s Marina	SPILLS	12800 NW Marina Way, Portland OR 97231	C
3. Multnomah Yacht Repair	UIC, SPILLS	12900 NW Marina Way, Portland, OR 97231	A

Source: EDR Database Search Report

2.3 Site 3 MarCom

An overview of the data generated for the MarCom study area yielded 13 initial findings, as summarized in Table 1.5.

Database	Initial Findings
Brownfields	2
ECSI	1
FTTS	2
LUST	3
SPILLS	4
VCP	1
TOTAL	13

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report indicated that limited additional investigation and/or monitoring are warranted for two sites of interest in proximity to the study area. The two sites of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report are listed in Table 1.6. The general locations of these sites of interest in relation to the MarCom study area are depicted in Figure 1-3. In Table 1.6, the site locations are cross-referenced to Figure 1-3 and the EDR database search report (source) map.

Table 1.6. HTWM Sites of Interest in the Site 3 MarCom Study Area

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. Mar Com Incorporated	ECSI; Brownfields; VCP; SPILLS	8970 North Bradford Street, Portland, OR 97203	A
2. Stenno Carbon Company	SPILLS; LUST	6600 North Saint Louis Avenue, Portland OR 97203	D

Source: EDR Database Search Report.

2.4 Site 4 Doane Creek

The overview of the database search report for the Doane Creek site yielded 12 initial findings reported in the above-listed databases, as summarized in Table 1.7.

Table 1.7. Summary of HTWM Initial Findings in the Study Area Identified from EDR Database Report	
Database	Initial Findings
Resource Conservation and Recovery Act – Information System – Large Quantity Generators (RCRIS - LQG).	1
FIFRA/TSCA Tracking System (FTTS)	1
Toxic Chemical Release Inventory System (TRIS)	1
Environmental Cleanup Site Inventory System (ECSI)	2
Oregon Confirmed Release List (OR CRL)	2
National Pollutant Discharge Elimination System (NPDES)	1
Leaking Underground Storage Tank Information System (LUST)	1
Oregon Spills (SPILLS)	3
TOTAL	12

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report was performed for each of the 12 initial findings. Based on the review of information provided in the EDR report for these initial findings it was concluded that limited additional investigation and/or monitoring is warranted at one site of interest in proximity to the study area. The site is the Siltronic Corporation, located at 7200 NW Front Avenue, Portland, OR 97210.

2.5 Site 5 Saltzman Creek

An overview of the database search report for the Saltzman Creek study area yielded 46 initial findings reported in the above-listed databases, as summarized in Table 1.8.

Table 1.8. Summary of HTWM Initial Findings in the Study Area Identified from EDR Database Report	
Database	Initial Findings
CERCLIS	3
ECSI	5
FTTS	7
LUST	3
NPDES, ICIS	6
NPL	1
OR CRL	2
PADS	1
PCB	3
RCRA - LQG	1
SPILLS	7
SWF/LF	1
TRIS	1
UIC	3
VCP	2
TOTAL	46

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report was performed for each of the 46 initial findings. Based on the review of information provided in the EDR report for these findings, it was concluded that limited additional investigation and/or monitoring is warranted at seven sites of interest in proximity to the study area. The seven sites of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report are listed in Table 1.9.

Table 1.9. HTWM Sites of Interest in the Site 5 Saltzman Creek Study Area

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. Liquid Air Corporation (Formerly Schnitzer Corporation)	ECSI, LUST, SPILLS, NPDES	6529 NW Front Avenue, Portland, OR 97210	D
2. Elf Atochem N.A., Inc. (aka: Arkena, Atophina Chemicals, CerexAgri)	NPDES / ICIS, FTTS, SPILLS, ECSI, CRL, VCP, CERCLIS, UIC	6400 NW Front Avenue, Portland, OR 97210	E
3. Gould Electronics, Inc. (aka: NL Industries, Inc.)	CERCLIS, NPL, ECSI, CRL, SPILLS, NPDES / ICIS	5909 NW 61 st Avenue, Portland, OR 97210	E
4. Doane Lake Area	CERCLIS, FTTS, RCRA-LQG	6200 NW Saint Helens Road	AJ
5. Genstar Roofing Products Company (aka: GS Roofing)	FTTS, LUST, SPILLS, ECSI, VCP, TRIS, UIC, NPDES	6350 NW Front Avenue, Portland, OR 97210	F
6. Metro Central Transfer Station	PADS, ECSI, SWF/LF, NPDES	6161 NW 61 st Avenue, Portland, OR 97232	G
7. Pennwalt Substation	PCB	6500 NW Front Avenue, Portland, OR 97210	C

Source: EDR Database Search Report.

2.6 Site 6 UP Triangle Park

An overview of the data generated for the UP Triangle study area yielded 17 initial findings, as summarized in Table 1.10.

Table 1.10. Summary of HTWM Initial Findings in the Study Area Identified from EDR Database Report	
Database	Initial Findings
ECSI	1
FTTS	1
LUST	8
SPILLS	2
UIC	4
VCP	1
TOTAL	17

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report indicated that limited additional investigation and/or monitoring are warranted for one site of interest in proximity to the study area. The site of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report is the U.S. Coast Guard Marine Safety Office, located at 6767 North Basin Street, Portland, OR 97217.

2.7 Site 7 Ramsey Refugia

An overview of the database search report for the Ramsey Refugia study area yielded 19 initial findings reported in the above-listed databases, as summarized in Table 1.11.

Database	Initial Findings
ECSI	3
LUST	1
NPDES, ICIS	5
OR CRL	2
SPILLS	4
SWF/LF	1
TRIS	2
UIC	1
TOTAL	19

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report was performed for each of the 19 initial findings. Based on the review of information provided in the EDR report for these initial findings it was concluded that limited additional investigation and/or monitoring are warranted for four of the initial findings in proximity to the study area. These sites are listed in Table 1.12.

Table 1.12. HTWM Sites of Interest in the Ramsey Refugia Study Area

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. Pacific Car Crushing	ECSI	12122 N. Columbia Boulevard, Portland OR 97203	I
2. Rivergate Auto Wrecking	ECSI, CRL	12104 N. Columbia Boulevard, Portland, OR 97203	I
3. BPA – Saint Johns Substation	ECSI, SPILLS, CRL, UIC	12567 N. Columbia Boulevard, Portland, OR 9720	J
4. Kanto Corporation	NPDES, SPILLS	13424 N. Woodrush Way, Portland, OR 97203	B

Source: EDR Database Search Report.

2.8 Site 8 Blind Slough

An overview of the database search report for the Site 8 Blind Slough study area yielded 30 initial findings reported in the above-listed databases, as summarized in Table 1.13.

Database	Initial Findings
CERCLIS	1
ECSI	6
LUST	3
NPDES	4
OR CRL	3
PADS	1
SPILLS	3
SWF/LF	4
TRIS	1
UIC	2
VCP	2
TOTAL	30

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report was performed for each of the 30 initial findings. Based on the review of information provided in the EDR report for these sites it was concluded that limited additional investigation and/or monitoring are warranted for seven sites of interest in proximity to the study area. The seven sites of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report are listed in Table 1.14.

Table 1.14. HTWM Sites of Interest in the Blind Slough Study Area

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. City of Portland, St. Johns Landfill	CERCLIS, SWF/LF, AIRS, LUST, SPILLS, NPDES	9363 N. Columbia Boulevard, Portland, OR 97203	AB
2. Portland Municipal Incinerator Ashfill	ECSI	9387 N. Columbia Boulevard, Portland, OR 97203	AB
3. Mount Hood Metals, Inc. (formerly Union Carbide Facility; aka Roof Gone II)	PADS, ECSI, SWF/LF, CRL, VCP, NPDES, UIC	9645 N. Columbia Boulevard, Portland, OR 97203	N

4. City of Portland, Refuse Incinerator	CRL, ECSI, VCP	9360 N. Columbia Boulevard, Portland, OR 97203	AB
5. A+ Auto Wrecking	ECSI, UIC	9061 N. Columbia Boulevard, Portland, OR 97203	AC
6. Union Pacific Railroad, Barnes Yard	ECSI	10627 N. Swift Court, Portland, OR 97203	78
7. EVRAZ Oregon Steel – Heat Treating	TRIS, SPILLS, NPDES	10400 N. Swift Court, Portland, OR 97203	O

Source: EDR Database Search Report.

2.9 Site 9 Smith-Bybee Lakes

An overview of the generated for the Smith-Bybee Lakes study area yielded 27 initial findings as summarized in Table 1.15.

Table 1.15. Summary of HTWM Initial Findings in the Study Area Identified from EDR Database Report	
Database	Initial Findings
ECSI	4
FTTS	2
LUST	4
NPDES	5
OR CRL	1
RCRA - LQG	1
SPILLS	8
US ENG CONTROLS	1
VCP	1
TOTAL	27

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report was performed for each of the 27 initial findings. Based on the review of information provided in the EDR report for these sites, it was concluded that limited additional investigation and/or monitoring are warranted at six sites of interest in proximity to the study area (discussed below). The six sites of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report are listed in Table 1.16.

Table 1.16. HTWM Sites of Interest in the Smith-Bybee Lakes Study Area

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. Rodia, Incorporated	ECSI, CRL, RCRA-LQG, US ENG CONTROLS	4429 N. Shuttle Road, Portland, OR 97217	AC
2. Sunwest Energy Corporation	ECSI	10505 N. Macrum Avenue, Portland, OR 97203	C
3. Nordstrom Distribution Center	ECSI, NPDES	5703 N. Marine Drive, Portland, OR 97203	H
4. Union Pacific Railroad	SPILLS	10627 N. Swift Court, Portland, OR 97203	1
5. Affordable Auto Wrecking	NPDES	12001 N. Portland Road, Portland, OR 97203	N
6. J.B. Hunt Transport, Incorporated	NPDES	4320 N. Shuttle Road, Portland, OR 97217	AH

Source: EDR Database Search Report.

2.10 Site 10 BES Treatment Plant

The database search report overview for BES Treatment Plant yielded 43 initial findings reported in the above-listed databases, as summarized in Table 1.17.

Table 1.17. Summary of HTWM Initial Findings in the Study Area Identified from EDR Database Report	
Database	Initial Findings
Brownfields	1
ECSI	3
FTTS	3
LUST	14
NPDES	6
OR CRL	1
SPILLS	7
SWF/LF	2
UIC	5
VCP	1
TOTAL	43

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report was performed for each of the 43 initial findings. Based on the review of information provided in the EDR report for these sites it was concluded that limited additional investigation and/or monitoring are warranted for three sites of interest in proximity to the study area. The three sites are listed in Table 1.18.

Table 1.18. HTWM Sites of Interest in the BES Treatment Plant Study Area

Site of Interest	Database(s)	Address / Location	EDR Map ID
1. Pacific Carbide and Alloys Company (aka: Darling International, Inc; Baker Commodities, Inc; Willamette Trading Company; MG Warehouse)	ECSI, CRL, Brownfields, NPDES, LUST, SWF/LF	9901 Hurst Avenue, Portland, OR 97217	A
2. Columbia Boulevard Wastewater Treatment Plant	NPDES, ECSI, FTTS, SPILLS, SWF/LF, LUST	5001 N. Columbia Boulevard, Portland, OR 97203	F
3. Affordable Auto Wrecking	NPDES	12001 North Portland Road, Portland, OR 97203	B

Source: EDR Database Search Report.

2.11 Site 11 Kenton Cove

The database search report overview for Kenton Cove yielded 14 initial findings reported in the above-listed databases, as summarized in Table 1.19.

Table 1.19. Summary of HTWM Initial Findings in the Study Area Identified from EDR Database Report	
Database	Initial Findings
AIRS	1
ECSI	1
LUST	1
NPDES, ICIS	1
OR CRL	1
RCRA - LQG	1
SPILLS	6
TRIS	1
VCP	1
TOTAL	14

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report was performed for each of the 14 initial findings. Based on the review of information provided in the EDR report for the Kenton Cove study area, it was concluded that limited additional investigation and/or monitoring are warranted at one site of interest in proximity to the study area. The site of interest is Dynea Overlay Incorporated (aka: Dyno Overlays, Inc; Arclin Surfaces, Inc; Simpson Timber Company) located at 2301 N. Columbia Boulevard, Portland OR 97217.

2.12 Site 12 Northern Ross Island

The overview of the database search report for the northern Ross Island site yielded 48 initial findings, as summarized in Table 1.20.

Database	Initial Findings
Brownfields	2
ECSI	8
LUST	23
NPDES	5
OR CRL	2
SPILLS	4
VCP	4
TOTAL	48

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report indicated that limited additional investigation and/or monitoring are warranted at four sites of interest in proximity to the study area. The four sites of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report are listed in Table 1.21.

Table 1.21. HTWM Sites of Interest in the Site 11 Ross Island Study Area

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. Prometheus Property – South Waterfront	ECSI; CRL	Intersection: SW Bond Avenue and SW Lowell Street, Portland, OR 97201	A
2. South Waterfront Central District, Block 46	ECSI; CVP	601 SW Abernethy Street, Portland, OR 97201	C
3. Ross Island Sand and Gravel	SPILLS; NPDES; ECSI; CRL; LUST	4315 SE McLoughlin Boulevard, Portland, OR 97202.	M

4. South Waterfront Neighborhood Park	Brownfields; ECSI; VCP; LUST	3508 SW Moody Avenue, Portland, OR 97201	N
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Source: EDR Database Search Report.

2.13 Site 13 Oaks Park

An overview of the data generated for the Oaks Park study area yielded 25 initial findings, as summarized in Table 1.22.

Database	Initial Findings
Brownfields	1
ECSI	2
LUST	14
NPDES, ICIS	1
OR CRL	1
SPILLS	5
VCP	1
TOTAL	25

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report indicated that limited additional investigation and/or monitoring are warranted for two sites of interest in proximity to the study area. The two sites of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report are listed in Table 1.23.

Table 1.23: HTWM Sites of Interest in the Site 12 Oaks Park Study Area.

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. Huntington Rubber Corporation	ECSI	7140 SW Macadam Avenue, Portland, OR 97219	X
2. Rodda Paint Building (Former)	ECSI; CRL; Brownfields; VCP	6932 SW Macadam Avenue, Portland, OR 97219	AT

Source: EDR Database Search Report.

2.14 Site 14 Oaks Crossing

An overview of the data generated for the Oaks Crossing study area yielded 25 initial findings, as summarized in Table 1.24.

Database	Initial Findings
Brownfields	1
ECSI	2
LUST	14
NPDES, ICIS	1
OR CRL	1
SPILLS	5
VCP	1
TOTAL	25

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report indicated that limited additional investigation and/or monitoring are warranted for two sites of interest in proximity to the study area. The two sites of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report are listed in Table 1.25.

Table 1.25: HTWM Sites of Interest in the Site 13 Oaks Crossing Study Area

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. Huntington Rubber Corporation	ECSI	7140 SW Macadam Avenue, Portland, OR 97219	X
2. Rodda Paint Building (Former)	ECSI; CRL; Brownfields; VCP	6932 SW Macadam Avenue, Portland, OR 97219	AT

Source: EDR Database Search Report.

2.15 Site 15 Bell Station

The overview of the database search report for the Bell Station site yielded 9 initial findings, as summarized in Table 1.26.

Database	Initial Findings
Brownfields	1
ECSI	2
LUST	2

OR CRL	2
SWF/LF	1
UIC	1
TOTAL	9

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report indicated that limited additional investigation and/or monitoring are warranted for two sites of interest in proximity to the study area. The two sites of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report are listed in Table 1.27.

Table 1.27: HTWM Sites of Interest in the Bell Station Study Area

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. Johnson Creek Landfill	ECSI; CRL; SWF/LF	7600 SE Johnson Creek Boulevard, Milwaukie, OR 97222	V
2. Bud's Auto Wrecking	ECSI; CRL; Brownfields	7100 SE Fern Avenue, Portland, OR 97206	97

Source: EDR Database Search Report.

2.16 Site 16 West Lents

An overview of the data generated for the West Lents study area yielded 13 initial findings, as summarized in Table 1.28.

Table 1.28: Summary of HTWM Initial Findings in the Study Area Identified from EDR Database Report	
Database	Initial Findings
ECSI	1
LUST	8
SPILLS	2
UIC	2
TOTAL	13

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report indicated that limited additional investigation and/or monitoring are warranted for two sites of interest in proximity to the study area. The two sites of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report are listed in Table 1.29.

Table 1.29: HTWM Sites of Interest in the West Lents Study Area

Site of Interest	Database(s)	Address / Location	EDR Map Id
1. EW Shields	ECSI	SE 92 nd Avenue and Flavel Street, Portland, OR 97266	328
2. Sunset Garbage Collection	UIC	9035 SE Henderson Street, Portland, OR	CL

Source: EDR Database Search Report.

2.17 Site 17 Marshall Park

An overview of the data generated for the Marshall Park study area yielded 16 initial findings reported in the Leaking Underground Storage Tanks (LUST) database. A closer review of the information provided in the EDR database report was performed for each of the 16 initial findings. Based on the review of information provided in the EDR report for these it was concluded that no additional investigation is warranted for any of the initial findings.

2.18 Site 18 Arnold Creek Culvert

An overview of the data generated for the Arnold Creek Culvert study area yielded 12 initial findings reported in the Leaking Underground Storage Tank Information System (LUST), and one initial finding in the Oregon Spills (SPILLS) database. A closer review of the information provided in the EDR database report was performed for each of the 13 initial findings. Based on the review of information provided in the EDR report for these findings it was concluded that no additional investigation is warranted for any of the initial findings.

2.19 Site 19 Boones Ferry Culvert

An overview of the data generated for the Boones Ferry Culvert study area yielded 9 initial findings reported in the Leaking Underground Storage Tank Information System (LUST), and two initial findings in the Oregon Spills (SPILLS) database. A closer review of the information provided in the EDR database report was performed for each of the 11 initial findings. Based on the review of information provided in the EDR report for these findings it was concluded that no additional investigation is warranted for any of the initial findings.

2.20 Site 20 Middle TCSNA Habitat

An overview of the data generated for the Middle TCSNA Habitat study site yielded 18 initial findings, as summarized in Table 1.30.

Database	Initial Findings
LUST	13
NPDES	1
SPILLS	3
UIC	1
TOTAL	18

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report was performed for each of the 18 initial findings. Based on the review of information provided in the EDR report for these findings it was concluded that no additional investigation is warranted for any of the initial findings.

2.21 Site 21 Tryon Creek Highway Culvert

An overview of the data generated for the Tryon Creek Highway Culvert study area yielded 17 initial findings reported in the above-listed databases, as summarized in Table 1.31.

Database	Initial Findings
ECSI	1
FTTS	2
LUST	8
NPDES	1
SPILLS	5
TOTAL	17

Source: EDR Database Search Report (EDR 2009).

A closer review of the information provided in the EDR database report indicated that limited additional investigation and/or monitoring are warranted at one site of interest in proximity to the study area. The site of interest warranting limited additional investigation and/or monitoring identified from the EDR Database Search Report is Martin Electric, located at 91 Foothills Road, Lake Oswego, OR 97034.

3. Further Investigation

Figure x. displays the HTRW sites identified for needing further study in relationship to the project sites. Projects that are selected for further design and construction will be investigated further. Each of these selected sites will undergo a site specific evaluation to determine the effects of these potential HTRW sites.

4. Future Without Project Conditions

If potential future restoration measures for each site being considered in this general investigation are not implemented, the baseline conditions regarding the use of hazardous wastes and materials and the generation, storage, and disposal of hazardous wastes and materials in the study area will likely continue as at present into the foreseeable future. In addition, at identified sites of interest, there is the potential for current and historical contamination at these sites to adversely affect human activities in the study area, with or without the implementation of the proposed action.