

SOURCE WATER ASSESSMENT SUMMARY BROCHURE

CITY OF ONTARIO PWS # 4100587

WHAT IS A SOURCE WATER ASSESSMENT?

The Source Water Assessment was recently completed by the Department of Environmental Quality (DEQ) and the Oregon Department of Human Services (DHS) to identify the surface areas (and/or subsurface areas) that supply water to City of Ontario's public water system intake and to inventory the potential contaminant sources that may impact the water supply.

WHY WAS IT COMPLETED?

The Source Water Assessment was completed to provide information so that City of Ontario's public water system staff/operator, consumers, and community citizens can begin developing strategies to protect the source of their drinking water, and to minimize future public expenditures for drinking water treatment. The assessment was prepared under the requirements and guidelines of the Federal Safe Drinking Water Act (SDWA).

WHAT AREAS ARE INCLUDED IN ONTARIO'S DRINKING WATER PROTECTION AREA?

The drinking water for Ontario is supplied by a well field comprised of eight groundwater wells and a surface water intake that collects water from the Snake River. The groundwater component will be addressed in a future report to the City.

The City of Ontario public water system serves approximately 11,140 citizens. The Snake River intake is located in the Middle Snake-Payette Subbasin of the Middle Snake-Boise Basin. The geographic area providing water to Ontario's intake between the intake and the first fifth-field watershed boundary ("the source water assessment area") extends upstream approximately 111 miles in a southerly direction and encompasses a total area of 62.3 square miles. The boundaries of the Source Water Assessment Area are illustrated on the figure attached to this summary. Included in this area

are a number of tributaries to the Snake River, including Locket Gulch, Sheep Creek, Arcadia Ditch, Nyssa Canal, portions of North Canal and several other ditches and canals. The protection area within an 8-hour travel time from the intake extends approximately 9.7 miles upstream of the Ontario intake. It is recommended that the water systems and community consider increased protection within an 8-hour travel time from the intake since eight hours should provide adequate response time to protect the integrity of the public water system intake should a spill or release occur at any crossing or discharge point to the stream.

The full geographic area providing water to the intake between the intake and the Oregon state border extends upstream approximately 8,307 miles and encompasses a total area 5,666 square miles in the Snake and Owyhee Subbasins of Oregon, Idaho and Nevada.

WHAT ARE THE POTENTIAL SOURCES OF CONTAMINATION TO CITY OF ONTARIO'S PUBLIC DRINKING WATER SUPPLY?

The primary intent of this inventory was to identify and locate significant potential sources of contaminants of concern. The source water assessment area is primarily dominated by agricultural land uses. The potential contaminant sources identified that relate to agricultural/forest management include crop and grazing animal areas, areas with pesticide handling and farm machinery repair, confined animal feeding operations, irrigation canals, and rodeo grounds. Potential contaminant sources related to commercial land uses include a concrete company, RV and Mini-Storage businesses, welding shops, a home machine shop, food processing operations, an unknown operation, aboveground and underground storage tanks, a leaking underground storage tank, DEQ cleanup program sites, business with chemical storage, gravel pits, a sand and gravel company, a research lab, auto repair shops, a NPDES permitted discharger, machine shops, gas stations, medical offices, a railroad yard, a railroad, a lumber store, scrap yards, and a construction area. Potential contaminant sources related to residential and municipal land uses include a water treatment plant, a wastewater

treatment plant, Interstate I-84, high density housing areas, parks, a cemetery, schools, rural homes, a waste transfer/recycling station, and a former landfill. Potential contaminant sources related to miscellaneous land uses include the Malheur groundwater contamination area. This provides a quick look at the existing potential sources of contamination that could, if improperly managed or released, impact the water quality in the watershed.

WHAT ARE THE RISKS FOR OUR SYSTEM?

A total of 96 potential contaminant sources were identified in City of Ontario's source water assessment area. Of these, 95 are located in the sensitive areas and 86 are high- to moderate-risk sources within "sensitive areas". The sensitive areas within the City of Ontario source water assessment area include areas with high soil permeability, high soil erosion potential, high runoff potential and areas within 1000' from the river/streams. The sensitive areas are those

where the potential contamination sources, if present, have a greater potential to impact the water supply. The information in this assessment provides a basis for prioritizing areas in and around our community that are most vulnerable to potential impacts and can be used by the City of Ontario community to develop a voluntary Drinking Water Protection Plan.

NEED MORE INFORMATION?



City of Ontario's Source Water Assessment Report provides additional details on the methodology and results of this assessment. The full report is available for review at:

Contact the City of Ontario's staff if you would like additional information on these Source Water Assessment results.

Source Water Assessment Results

City of Ontario's Source Water Assessment Area with Sensitive Areas and Potential Contamination Sources

PWS 4100587

-  Drinking Water Protection Area
-  Drinking Water Intake - Surface Water
-  Sensitive Areas
-  Area Feature (see Note 2)
-  Point Feature (see Note 2)

Notes on Potential Contaminant Sources

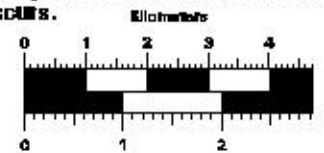
Note 1: Sites and areas noted in this figure are potential sources of contamination to the drinking water protection identified by Oregon drinking water protection staff. Environmental contamination is not likely to occur when contaminants are used and managed properly.

Note 2: Feature identification markers correspond to the potential contaminant source numbers in the SWA Report. The area features represent the approximate area where the land use or activity occurs and is marked at the point closest to the intake. The point features represent the approximate point where the land use or activity occurs.



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Oregon Department of Environmental Quality GIS



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TABLE 2. INVENTORY RESULTS - LIST OF POTENTIAL CONTAMINANT

PWS# 4100587 ONTARIO, CITY OF

Reference No. (See Figure)	Potential Contaminant Source Type	Name	Approximate Location	City	Method for Listing	Proximity to Sensitive Areas	Relative Risk Level (1)	Potential Impacts	Comments
1	Above Ground Storage Tanks - Excluding Water	Ontario Water Treatment Plant	SE 5th Ave	Ontario	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	
2	Automobiles - Repair Shops	Naylor Automotive	5th Ave and SE 13th	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of automotive fluids, solvents, and repair materials during transportation, use, storage and disposal may impact the drinking water supply.	
3	Junk/Scrap/Salvage Yards	Scrap yard	East Lane	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of automotive chemicals, batteries, and other waste materials during storage and disposal may impact the drinking water supply.	
4	Transportation - Freeways/State Highways/Other Heavy Use Roads	I-84	Runs through DWPA	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Vehicle use increases the risk for leaks or spills of fuel & other haz. materials. Road building, maintenance & use can increase erosion/slope failure causing turbidity. Over-application or improper handling of pesticides/fertilizers may impact water.	
5	Cement/Concrete Plants	Idaho Concrete Company	SE 5th Ave	Ontario	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of chemicals and high turbidity wastewaters during transportation, use, storage and disposal may impact the drinking water supply.	
	Other - Permitted Dischargers - NPDES						Higher	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	

Note: Sites and areas identified in this Table are only potential sources of contamination to the drinking water. Environmental contamination is not likely to occur when contaminants are used and managed properly.

(1) Where multiple potential contaminant sources exist at a site, the highest level of risk is used.

(2) See Table 3 for database listings (if necessary).

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6	Housing - High Density (> 1 House/0.5 acres)		High Density Housing	Ontario	Ontario Observation	Field-sensitive area. for SNAKE RIVER	Within	Moderate Improper use, storage, and disposal of household chemicals may impact the drinking water supply. Stormwater run-off or infiltration may carry contaminants to drinking water supply.	
7	Parks	Rest Area	South of Central Ave along I-Ontario 84		Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Over-application or improper handling of pesticides/fertilizers may impact drinking water. Excessive irrigation may cause transport of contaminants through runoff. Heavy use along edge of waterbody may contribute to erosion, causing turbidity.	
8	RV/Mini Storage	Rocking R Campers	Claude St.	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Lower	Spills, leaks, or improper handling of automotive fluids and other materials during transportation, storage and disposal may impact the drinking water supply.	RV Storage and service.
9	Machine Shops	Atlas Welding	Sunset Rd.	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of solvents, metals, and other chemicals or materials during transportation, use, storage and disposal may impact the drinking water supply.	
10	Machine Shops	Custom Welding	Sunset Rd.	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of solvents, metals, and other chemicals or materials during transportation, use, storage and disposal may impact the drinking water supply.	
11	Homesteads - Rural - Machine Shops/Equipment Maintenance	Home Machine Shop	Thrifty Way and Central Ave	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of solvents, fuels, and other materials or chemicals during transportation, use, storage and disposal may impact the drinking water supply.	Appears to be a home machine shop.

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12	Crops - Nonirrigated (inc. Christmas trees, grains, grass seed, pasture)	Non-irrigated Crops	Throughout DWPA	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Lower	Over-application or improper handling of pesticides/fertilizers may impact drinking water. Some agricultural practices may result in excess sediments discharging to surface waters, but non-irrigated crops are generally considered to be a low risk.	
13	Crops - Irrigated (inc. orchards, vineyards, nurseries, greenhouses)	Irrigated Crops	Throughout DWPA	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Over-application or improper handling of pesticides/fertilizers may impact drinking water. Excessive irrigation may transport contaminants or sediments to groundwater/surface water through runoff. Drip-irrigated crops are considered to be a low risk.	Location and type of use based on WRD database - needs verification.
14	Grazing Animals (> 5 large animals or equivalent/acre)	Grazing Animals	Throughout DWPA	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Improper storage and management of animal wastes may impact drinking water supply. Concentrated livestock may contribute to erosion and sedimentation of surface water bodies.	A few areas with grazing animals are scattered throughout the DWPA.

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15	Above Ground Storage Tanks - Excluding Water	Farm Headquarters	Throughout DWPA	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	Farms with aboveground storage tanks, apparent pesticide storage/handling, farm machinery storage and maintenance areas are scattered throughout the agricultural areas of the watershed.
	Farm Machinery Repair						Moderate	Spills, leaks, or improper handling of solvents and petroleum products during transportation, use, storage and disposal may impact the drinking water supply.	Farms with aboveground storage tanks, apparent pesticide storage/handling, farm machinery storage and maintenance areas are scattered throughout the agricultural areas of the watershed.
	Pesticide/Fertilizer/Petroleum Storage, Handling, Mixing, & Cleaning Areas						Higher	Leaks, spills and improper handling of pesticides, fertilizers and petroleum products may impact drinking water source.	Farms with aboveground storage tanks, apparent pesticide storage/handling, farm machinery storage and maintenance areas are scattered throughout the agricultural areas of the watershed.
16	Above Ground Storage Tanks - Excluding Water	NW Essential Oils	E. Island Rd.	Ontario	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	
	Food Processing						Moderate	Spills, leaks, or improper handling of chemicals and other materials during transportation, use, storage and disposal may impact the drinking water supply.	

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17	Above Ground Storage Tanks - Excluding Water	Unknown Operation	Alameda Rd.	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	
18	RV/Mini Storage	Cairo Self Storage		Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Lower	Spills, leaks, or improper handling of automotive fluids and other materials during transportation, storage and disposal may impact the drinking water supply.	
19	Above Ground Storage Tanks - Excluding Water	Aboveground Storage Tank	Cairo	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	Also has a fuel pump, but doesn't appear to be a public gas station.
20	UST - Status Unknown	Ure Farms	Gem Ave.		Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	
21	UST - Decommissioned/Inactive	Ontario District Office	Clark Blvd.	Ontario	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Lower	Historic spills or leaks may impact the drinking water supply.	LUST is listed as NFA.
22	Food Processing	Kesler Farms	Grey Blvd	Ontario	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of chemicals and other materials during transportation, use, storage and disposal may impact the drinking water supply.	

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23	Above Ground Storage Tanks - Excluding Water	Glenn Bros Construction	Echo Rd.	Ontario	Database (2)	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	Could not find address or business. PCS location based on regulatory database search - needs verification.
24	Other - DEQ Cleanup Program Site	International Minerals Chemical Co	19s 47e s32	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Higher	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	PCS location based on regulatory database search - needs verification.
25	Chemical/Petroleum Processing/Storage	NW Pipeline Nyssa Meter Station	T17S R47E Sec 28	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of chemicals and other materials during transportation, use, storage and disposal may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.
26	Cemeteries - Pre-1945		Nyssa Cemetery	Alberta Ave	Ontario Observation	Field-sensitive area. for SNAKE RIVER	Within	Lower Embalming fluids (for example, arsenic) and decomposition by-products may impact drinking water supply.	
27	Mines/Gravel Pits	Gravel Pits	Throughout DWPA	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of chemicals and wastes generated in mining operations or from heavy equipment may impact the drinking water supply.	Locations from topographic map.

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28	Transportation - Railroads	Railroad	Runs Through DWPA	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Rail transport elevates the risk for leaks/spills of fuel & other haz. materials. Installation/maintenance of tracks may increase erosion & slope failure causing turbidity. Over-application/improper handling of pesticides may impact the water supply.	
29	Schools	Cairo School	Cairo	Ontario		Within sensitive area. for SNAKE RIVER	Moderate	Over-application or improper handling of cleaning products, pesticides or fertilizers used on the school grounds may impact drinking water. Vehicle maintenance wastes may contribute contaminants.	Location from topographic map. PCS location based on regulatory database search - needs verification.
30	Confined Animal Feeding Operations (CAFOs)	Confined Animal Feeding Operation	Morgan Ave	Ontario		Within sensitive area. for SNAKE RIVER	Higher	Improper storage and management of animal wastes and wastewater in areas of concentrated livestock may impact drinking water.	Kennington Farms. Location from CAFO database. PWS needs to verify risk.
31	Other - Groundwater Contamination Area	Malheur GW Contamination Area	Throughout DWPA	Ontario		Within sensitive area. for SNAKE RIVER	Moderate	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	Location from Northern Malheur County Groundwater Management Action Plan.
32	Automobiles - Repair Shops	Connie's Service and Repair	Cairo	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of automotive fluids, solvents, and repair materials during transportation, use, storage and disposal may impact the drinking water supply.	
33	Homesteads - Rural - Septic Systems (< 1/acre)	Rural Homes	Throughout DWPA	Ontario	Field-Observation	Within sensitive area. for SNAKE RIVER	Lower	If not properly sited, designed, installed, and maintained, septic systems can impact drinking water. Use of drain cleaners and dumping household hazardous wastes can result in groundwater contamination.	

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34	Other - Irrigation Canals	Irrigation Canals	Throughout DWPA	Ontario	Field-Observation	Within sensitive area for SNAKE RIVER	Higher	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	Three irrigation canals run through the DWPA: the Owyhee Ditch, Ontario-Nyssa Canal, and the North Canal.
35	Above Ground Storage Tanks - Excluding Water	Dennis Price	Morgan Ave	Ontario	Database (2)	Within sensitive area for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.
36	Other - DEQ Cleanup Program Site	Fletcher Oil Co (former)	Emison and RR Tracks	Nyssa	Database (2) Field-Observation	Within sensitive area for SNAKE RIVER	Moderate	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	According to ECSI report, site was added to ECSI database for tracking purposes as a historic bulk plant.
37	UST - Decommissioned/Inactive	Union Pacific Railroad Nyssa Station	1st and Emison	Nyssa	Database (2) Field-Observation	Within sensitive area for SNAKE RIVER	Lower	Historic spills or leaks may impact the drinking water supply.	LUST is listed as NFA.
	Railroad Yards/Maintenance/Fueling Areas						Higher	Spills, leaks, or improper handling of fuels and other materials during transportation, use, storage and disposal may impact the drinking water supply.	LUST is listed as NFA.
	UST - Status Unknown						Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	LUST is listed as NFA.

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38	Other - DEQ Cleanup Program Site	Associated Oil Company (former)	NW Corner Ehrgood and Railroad Tracks	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	According to ECSI report, site was added to ECSI database for tracking purposes as a historic bulk plant.
39	Chemical/Petroleum Processing/Storage	Snake River Produce	Bower Ave	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of chemicals and other materials during transportation, use, storage and disposal may impact the drinking water supply.	
40	UST - Status Unknown	Lot 9900	1st and Main	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.
41	Other - Permitted Dischargers - NPDES	Nyssa STP	5th and Ehrgood	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	
	Wastewater Treatment Plants/Collection Stations						Higher	Improper management of wastewater, treatment chemicals, or equipment maintenance materials may impact drinking water supply.	
42	Parks	Park	Snake River and E. Main St.	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Over-application or improper handling of pesticides/fertilizers may impact drinking water. Excessive irrigation may cause transport of contaminants through runoff. Heavy use along edge of waterbody may contribute to erosion, causing turbidity.	

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43	Mines/Gravel Pits	Idaho Sand and Gravel	E. Main	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of chemicals and wastes generated in mining operations or from heavy equipment may impact the drinking water supply.	Same address as C&M Enterprises of Idaho.
	Above Ground Storage Tanks - Excluding Water						Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	Same address as C&M Enterprises of Idaho.
44	Research Laboratories	Research Lab	Beet Seed	E. Main St.	Nyssa Observation	Field-sensitive area. for SNAKE RIVER	Within	Higher Spills, leaks, or improper handling of laboratory chemicals and wastes during transportation, use, storage and disposal may impact the drinking water supply.	
45	Food Processing	Amalgamated Sugar	E. Main St.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of chemicals and other materials during transportation, use, storage and disposal may impact the drinking water supply.	According to ECSI site report, tanker truck spill of formaldehyde in 1992. Some remediation performed; site is listed as NFA in ECSI database.
	Other - DEQ Cleanup Program Site						Moderate	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	According to ECSI site report, tanker truck spill of formaldehyde in 1992. Some remediation performed; site is listed as NFA in ECSI database.
46	Schools	Headstart	Williams Way	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Over-application or improper handling of cleaning products, pesticides or fertilizers used on the school grounds may impact drinking water. Vehicle maintenance wastes may contribute contaminants.	

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47	UST - Decommissioned/Inactive	Owyhee Irrigation District	1st St.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Lower	Historic spills or leaks may impact the drinking water supply.	LUST is listed as NFA.
	Other - Permitted Dischargers - NPDES						Higher	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	LUST is listed as NFA.
48	Machine Shops	Norv's Molds	Good Ave	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of solvents, metals, and other chemicals or materials during transportation, use, storage and disposal may impact the drinking water supply.	Manufactures plastic injection molds.
49	UST - Status Unknown	Farmer's Feed and Seed	Good Ave	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	

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50	Other - DEQ Cleanup Program Site	Nyssa City Shop	2nd St.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	Also site of the fire department and the Nyssa City Petroleum release. Petroleum fuel leaked from a storage tank. Groundwater investigation was completed and the city implemented a gasoline recovery program. The LUST and ECSI are listed as NFA.
	Fire Station						Lower	Spills, leaks, or improper handling of chemicals and other materials during transportation, use, storage and disposal may impact the drinking water supply.	Also site of the fire department and the Nyssa City Petroleum release. Petroleum fuel leaked from a storage tank. Groundwater investigation was completed and the city implemented a gasoline recovery program. The LUST and ECSI are listed as NFA.
51	Waste Transfer/Recycling Stations	Disposal Co	King and 2nd Ave.	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Improper management of water contacting waste material may impact the drinking water supply.	

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PWS# 4100587 ONTARIO, CITY OF

Reference No. (See Figure)	Potential Contaminant Source Type	Name	Approximate Location	City	Method for Listing	Proximity to Sensitive Areas	Relative Risk Level (1)	Potential Impacts	Comments
52	Dry Cleaners	Nyssa Dry Cleaner (former)	NW Corner Bower and 2nd	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of dry cleaning solvents and other chemicals during transportation, use, storage and disposal may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.
	Other - DEQ Cleanup Program Site						Higher	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	PCS location based on regulatory database search - needs verification.
53	Medical/Vet Offices	Dentist Office	4th and Bower	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Lower	Spills, leaks, or improper handling of x-ray, biological, chemical, and radioactive wastes and other materials during transportation, use, storage and disposal may impact the drinking water supply.	
54	Automobiles - Gas Stations	Goodman Oil Co - Exxon	Main St.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of fuels and other materials during transportation, transfer, and storage may impact the drinking water supply.	
	UST - Upgraded/Registered - Active						Lower	Spills or improper handling during tank filling or product distribution may impact the drinking water supply.	
55	Dry Cleaners	Jim's Nyssa Cleaners (former)	N. 3rd St.	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of dry cleaning solvents and other chemicals during transportation, use, storage and disposal may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.
	Other - DEQ Cleanup Program Site						Higher	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	PCS location based on regulatory database search - needs verification.

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56	Automobiles - Repair Shops	Simpson's Repair	N. Bower and N. 11th	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of automotive fluids, solvents, and repair materials during transportation, use, storage and disposal may impact the drinking water supply.	
57	Automobiles - Car Washes	Classic C	Thunderegg Blvd	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Improper management of vehicle wash water may result in soaps, oils, greases, and metals impacting the drinking water supply.	Same address as Pool's Country Store and Brosis Enterprises.
	Automobiles - Repair Shops						Moderate	Spills, leaks, or improper handling of automotive fluids, solvents, and repair materials during transportation, use, storage and disposal may impact the drinking water supply.	Same address as Pool's Country Store and Brosis Enterprises.
	UST - Upgraded/Registered - Active						Lower	Spills or improper handling during tank filling or product distribution may impact the drinking water supply.	Same address as Pool's Country Store and Brosis Enterprises.
58	Automobiles - Repair Shops	Les Schwab Tire Center	Thunderegg Blvd.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of automotive fluids, solvents, and repair materials during transportation, use, storage and disposal may impact the drinking water supply.	
59	Above Ground Storage Tanks - Excluding Water	Oregon -Idaho Diesel	Thunderegg Blvd.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	

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60	Machine Shops	Nyssa Machine and Welding	N. 9th St.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of solvents, metals, and other chemicals or materials during transportation, use, storage and disposal may impact the drinking water supply.	
61	Medical/Vet Offices	Malheur Memorial Hospital	Park Ave	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Lower	Spills, leaks, or improper handling of x-ray, biological, chemical, and radioactive wastes and other materials during transportation, use, storage and disposal may impact the drinking water supply.	
62	Automobiles - Repair Shops	Paul's Auto Repair	Thunderegg Blvd and Ehrgood		Nyssa Observation	Field-sensitive area. for SNAKE RIVER	Within	Moderate Spills, leaks, or improper handling of automotive fluids, solvents, and repair materials during transportation, use, storage and disposal may impact the drinking water supply.	
63	Chemical/Petroleum Processing/Storage	Nyssa Auto Parts	N 3rd. St.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of chemicals and other materials during transportation, use, storage and disposal may impact the drinking water supply.	
64	UST - Status Unknown	Fiesta Farms Co-op	Commercial Ave	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	
	Above Ground Storage Tanks - Excluding Water						Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	

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65	UST - Upgraded/Registered - Active	Nyssa Co-op Supply	Commercial Ave	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Lower	Spills or improper handling during tank filling or product distribution may impact the drinking water supply.	
	Above Ground Storage Tanks - Excluding Water						Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	
66	Other - Rodeo Grounds		Rodeo Grounds	Beck Rd.	Nyssa Observation	Field-sensitive area. for SNAKE RIVER	Within	Moderate The impacts of this potential contaminant source will be addressed during the enhanced inventory.	
67	Other - DEQ Cleanup Program Site	B & M Equipment	Hwy 201	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	Based on March and August 2002 site assessments, contaminants identified include diesel and lube oil in the soil.
68	Schools	Nyssa SD	Adrian Blvd	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Over-application or improper handling of cleaning products, pesticides or fertilizers used on the school grounds may impact drinking water. Vehicle maintenance wastes may contribute contaminants.	LUST is listed as NFA.
	UST - Decommissioned/Inactive						Lower	Historic spills or leaks may impact the drinking water supply.	LUST is listed as NFA.
69	Automobiles - Repair Shops	Hittle's Repair	Park Ave	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of automotive fluids, solvents, and repair materials during transportation, use, storage and disposal may impact the drinking water supply.	

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70	Parks	Park	7th and Park St.	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Over-application or improper handling of pesticides/fertilizers may impact drinking water. Excessive irrigation may cause transport of contaminants through runoff. Heavy use along edge of waterbody may contribute to erosion, causing turbidity.	
71	UST - Confirmed Leaking Tanks - DEQ List	VP Valley Products	5th and Main	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Existing contamination from spills, leaks, or improper handling of stored materials may impact the drinking water supply.	
72	Chemical/Petroleum Processing/Storage	Nyssa House Parts	6th and Main	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of chemicals and other materials during transportation, use, storage and disposal may impact the drinking water supply.	
73	Automobiles - Gas Stations	Nyssa Co-op	N. 2nd St.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of fuels and other materials during transportation, transfer, and storage may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.
	UST - Upgraded/Registered - Active						Lower	Spills or improper handling during tank filling or product distribution may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.
74	Other - DEQ Cleanup Program Site	Wasatch Oil Co (former)	11th and Thunderegg	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Moderate	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	Inactive bulk plant. Site added to database for tracking purposes. PCS location based on regulatory database search - needs verification.

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75	Landfill/Dumps	Nyssa Landfill (former)	Arcadia Ave.	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Higher	Water percolating through the landfill waste material may transport contaminants to groundwater or surface water supply.	PCS location based on regulatory database search - needs verification.
	Other - DEQ Cleanup Program Site						Higher	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	Pesticides, semi-volatile organic compounds, and metals in soil at site. PCS location based on regulatory database search - needs verification. Pesticides, semi-volatile organic compounds, and metals in soil at site.
76	Confined Animal Feeding Operations (CAFOs)	Confined Animal Feeding Operation	Napton Rd.	Nyssa		Within sensitive area. for SNAKE RIVER	Higher	Improper storage and management of animal wastes and wastewater in areas of concentrated livestock may impact drinking water.	Location from CAFO database. PWS needs to verify risk.
77	Confined Animal Feeding Operations (CAFOs)	Confined Animal Feeding Operation	Cloverdale Rd.	Nyssa		Outside sensitive areas. for SNAKE RIVER	Higher	Improper storage and management of animal wastes and wastewater in areas of concentrated livestock may impact drinking water.	JMD Dairy. Location from CAFO database. PWS needs to verify risk and location.
78	Confined Animal Feeding Operations (CAFOs)	Confined Animal Feeding Operation	Grey Ave.	Nyssa		Within sensitive area. for SNAKE RIVER	Higher	Improper storage and management of animal wastes and wastewater in areas of concentrated livestock may impact drinking water.	Fred Esplin Feedlot. Location from CAFO database. PWS needs to verify risk.

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79	Confined Animal Feeding Operations (CAFOs)	Confined Animal Feeding Operation	Enterprise Ave.	Nyssa		Within sensitive area. for SNAKE RIVER	Higher	Improper storage and management of animal wastes and wastewater in areas of concentrated livestock may impact drinking water.	Dairy of Ozz. Location from CAFO database. PWS needs to verify risk.
80	Above Ground Storage Tanks - Excluding Water	Lienkaemper Chapel	2nd and Ehrgood	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.
81	UST - Status Unknown	General Farm Supply	Main St.	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.
82	UST - Status Unknown	Priceless Gas	Thunderegg and Main St.	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.
83	Furniture/Lumber/Parts Stores	Stunz Lumber	Adrian St.	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of hazardous chemical products and other materials in inventory during transportation, use, storage and disposal may impact the drinking water supply.	
84	Above Ground Storage Tanks - Excluding Water	Transport Leasing Co.	Main St.	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.

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85	UST - Status Unknown	Treasure Valley Growers and Sales	Commercial St.	Nyssa	Database (2)	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	PCS location based on regulatory database search - needs verification.
86	Schools	School	11th Ave	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Over-application or improper handling of cleaning products, pesticides or fertilizers used on the school grounds may impact drinking water. Vehicle maintenance wastes may contribute contaminants.	
87	Housing - High Density (> 1 House/0.5 acres)		High Density Housing	Nyssa	Nyssa Observation	Field-sensitive area. for SNAKE RIVER	Within	Moderate Improper use, storage, and disposal of household chemicals may impact the drinking water supply. Stormwater run-off or infiltration may carry contaminants to drinking water supply.	
88	UST - Not Upgraded and/or Registered Tanks	JR Simplot Soilbuilders	Walnut Ave.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of stored materials may impact the drinking water supply.	
	Chemical/Petroleum Processing/Storage						Higher	Spills, leaks, or improper handling of chemicals and other materials during transportation, use, storage and disposal may impact the drinking water supply.	
89	Chemical/Petroleum Processing/Storage	Snake River Produce	Park Ave.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of chemicals and other materials during transportation, use, storage and disposal may impact the drinking water supply.	

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90	UST - Decommissioned/Inactive	Henry Ankeny	Park Ave.	Nyssa	Database (2) Field-Observation	Within sensitive area. for SNAKE RIVER	Lower	Historic spills or leaks may impact the drinking water supply.	LUST is listed as NFA.
91	Other - Unknown Operation	Unknown Operations	East of RR, S of Amalgamated Sugar	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	The impacts of this potential contaminant source will be addressed during the enhanced inventory.	
92	Farm Machinery Repair	Nyssa Tractor	Hwy 201 N. of Nyssa	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of solvents and petroleum products during transportation, use, storage and disposal may impact the drinking water supply.	
93	Junk/Scrap/Salvage Yards	Scrap yard	Hwy 201 North of Nyssa	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Spills, leaks, or improper handling of automotive chemicals, batteries, and other waste materials during storage and disposal may impact the drinking water supply.	
94	Construction/Demolition Areas	Construction	E. Main St.	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Higher	Construction/demolition activities may contribute to erosion and increased turbidity in surface water drinking water supplies. Equipment usage increases the risks of leaks or spills of fuels and other chemicals.	
95	Automobiles - Repair Shops	Sappe Truck and Auto Repair	1st and King	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Spills, leaks, or improper handling of automotive fluids, solvents, and repair materials during transportation, use, storage and disposal may impact the drinking water supply.	

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96	Schools	Nyssa Middle School	Good Ave	Nyssa	Field-Observation	Within sensitive area. for SNAKE RIVER	Moderate	Over-application or improper handling of cleaning products, pesticides or fertilizers used on the school grounds may impact drinking water. Vehicle maintenance wastes may contribute contaminants.	

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