SOURCE WATER PROTECTION PLAN

For

City of Roberts ID7260035

Certified Date 09/03/2024



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1 Introduction

City of Roberts developed this source water protection plan in recognition that clean and safe drinking water supplies are critical to public health, environmental quality, economic development, and the quality of life of its residents. Source water, from both ground water and surface water sources, can easily become contaminated, and once source water becomes contaminated, it can be difficult and expensive to clean up. Proactive planning, education, and prevention are essential to both the long-term integrity of the water system and in limiting future costs and liabilities to the community.

The Idaho Department of Environmental Quality (DEQ) completed source water assessments for all public water systems in Idaho, as required by the Safe Drinking Water Act, and continues to assess new sources as they become active. Source water assessment reports provide information to the water systems on the land area contributing water to each public drinking water systems source, the major potential sources of contamination that could affect the drinking water supply, and how susceptible the public water supply is to potential contamination.

City of Roberts has used the information provided in the City of Roberts source water assessment report to identify actions to reduce potential sources of contamination and better protect their drinking water supplies. By developing and implementing source water protection measures at the local level, City of Roberts will help to ensure a clean and safe drinking water sources for current and future generations. Source water assessment reports are available on DEQ's website at www.deq.idaho.gov/water/swaOnline/.

2 Components of the Plan

City of Roberts developed this source water protection plan according to DEQ's state source water protection certification requirements outlined in the Idaho Source Water Assessment Plan and the American Water Works Association's G300 Source Water Protection Standard (DEQ 1999, AWWA 2007). The plan includes the following components:

- 1. Overview of drinking water system
- 2. Establishment of a planning team
- 3. Vision statement and goals
- 4. Delineation of the source water area(s) to be protected
- 5. Susceptibility to potential and existing contaminants
- 6. Implementation activities to accomplish source water protection goals
- 7. Emergency response plan and recommendations for future drinking water sources

3 Drinking Water System Information

City of Roberts (ID7260035) is a community public water system located in JEFFERSON County and provides drinking water to approximately 680 people through 220 service connections. The system has a storage volume of 300,000 Gallons and an average daily demand of 108,000 GPD and a maximum daily demand of 125,000 GPD.

City of Roberts uses ground water (active sources) for its drinking water supply. Ground water used for drinking water supplies is often vulnerable to contamination from land use practices and potential contaminant sources within the vicinity of the drinking water source. City of Roberts has developed this plan in an effort to minimize the risk of contamination to the drinking water source.

City of Roberts has 2 drinking water source(s). Drinking water sources addressed by this plan are included in Table 1.

Table 1: City of Roberts drinking water sources.

Source Name	Tag Number	Type of Source	Activity Status
NORTH WELL (TOWER)	E0007472	Well	Active
SOUTH WELL (PARK)	E0007473	Well	Active

4 Planning Team

A planning team was established to develop this source water protection plan. The team coordinator for the City of Roberts source water protection planning team is April Galbraith. The team coordinator is responsible for planning future team meetings, coordinating implementation items identified in the plan, and serving as the primary contact.

The members of the City of Roberts source water protection planning team include the individuals listed in Table 2.

Table 2: City of Roberts Source Water Protection Community Planning Team.

Name	Organization/Title	Phone Number	Email
April Galbraith	City of Roberts	(208) 228-3220	robertscityclerk@yahoo.com
Karol Posten	Citizen of Roberts	(208) 313-7937	(mailto:)
Robert Berlin	Mayor of Roberts	2082283220	(mailto:)

Technical assistance was provided by:

• Ethan Jayne, IRWA

5 Vision Statement and Goals

The planning team developed a formal vision to help guide the development of this plan. The vision expresses the value and commitment of the water system and the planning team to source water protection. The planning team's vision for this plan is: Develop a plan to protect the drinking water source for the city of Roberts and build public awareness about their drinking water

To meet this vision, the planning team set the following goals for this plan:

- Goal 1 Protect public health and the environment
- Goal 2 Promote public education regarding water conservation and source water protection.

6 Source Water Protection Area Delineation

DEQ delineated the source water assessment area for the City of Roberts as part of the source water assessment process (Figure 1 and Appendix A). The source water delineation was developed by mapping the zone of contribution, which is that portion of the watershed or subsurface area contributing water to the drinking water source.

For ground water sources, the delineation is defined by the time it takes water to travel to that specific well or spring. Depending on the type of public water system (i.e., community, non-community/non-transient or transient) and the amount of site-specific data available, one of three methods may be used to delineate a ground water source (well or spring): (1) a fixed 1,000 foot radius, (2) a calculated fixed radius, or (3) a refined analytical model. Delineations created using a calculated fixed radius or refined analytical model are typically divided into up to three time-of-travel (TOT) zones (3-year, 6-year, and 10-year), which is the number of years necessary for a particle of water or contaminant to move from a specific point in the aquifer to the well or spring.

For NORTH WELL (TOWER), SOUTH WELL (PARK), DEQ used a refined analytical model approved by EPA to delineate up to three separate time-of-travel (TOT) zones.

The TOT zones illustrate the number of years necessary for a particle of water or contaminant to move from a specific point in the aquifer to the well. The refined analytical model uses site-specific data assimilated from a variety of sources, including well logs and hydrogeologic reports to determine the TOT zones. DEQ may use a calculated fixed radius method for community and nontransient noncommunity systems when site-specific data are not available. Generalized, existing, hydrogeologic data from the major aquifer types in Idaho, and data from the well pump rate are used in the average velocity equation to derive radii for 3-, 6-, and 10-year TOT zones.

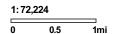
- Zone I refers to the 0-3 TOT zone and is addressed by two subzones: Zone 1A and Zone 1B.
 - Zone IA refers to the sanitary setback, or the 50-foot radius around the well. The goal of this zone is to prevent contamination from nearby sources, particularly microbial contamination from sewer lines, livestock, surface waters, and septic systems.
 - o Zone IB refers to the 0-3 year TOT zone. Water in this zone takes 0-3 years to travel in the aquifer to reach the well.
- Zone II refers to the 3-6 year TOT zone. Water in this zone takes 3-6 years to travel in the aquifer to reach the well.
- Zone III refers to the 6–10 year TOT zone. Water in this zone takes 6–10 years to travel in the aquifer to reach the well.

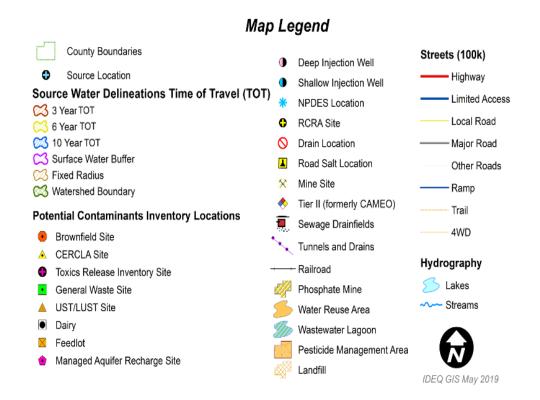
For more information about how ground water and surface water sources are delineated, view your system's source water assessment report or the Idaho Source Water Assessment Plan. Site-specific data used to determine the source water assessment areas are available from DEQ upon request.

City of Roberts chose to use the source water delineations completed by DEQ as part of the source water assessment as the source water protection area addressed in this plan (Figure 1).

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Figure 1. Source water assessment area for City of Roberts. (Individual delineations are included in Appendix A).





7 Susceptibility to Potential and Existing Contaminants

7.1 Susceptibility Analysis

City of Roberts's drinking water source(s) were assessed to determine the susceptibility to contamination, or likelihood that the water supply will become contaminated, as part of the City of Roberts source water assessment. Susceptibility scores take into account:

- Construction of the well, spring, or surface water intake
- · Land use characteristics above the aquifer and potentially significant contaminant sources
- · Hydrologic and geologic conditions surrounding the well, spring, or surface water intake

Susceptibility scores are specific to contaminant categories, including inorganic compounds (IOC), volatile organic compounds (VOC), synthetic organic compounds (SOC), and microbials (M). Each contaminant category is scored as high (H), moderate (M), or low (L). Susceptibility scores for City of Roberts's drinking water sources can be viewed online at www.deq.idaho.gov/water/swaOnline and are listed in Table 3.

Table 3. Susceptibility scores for City of Roberts.

Susceptibility Scores for City of Roberts (PWS# ID7260035)										
	System	Potential Contaminant Inventory / Land Use			Hydrologic	Final Susceptibility Scores				
Source	Construction	IOC	voc	soc	Microbials	_	IOC	voc	soc	Microbials
NORTH WELL (TOWER)	Н	Н	Н	Н	Н	М	Auto High	-	High	High
SOUTH WELL (PARK)	L	Н	Н	Н	Н		Auto High		Moderate	Moderate
	H = high susceptibility, M = moderate susceptibility, L = low susceptibility.									
	Auto High *									

^{*} Auto High - Several situations cause automatic assignment of a high susceptibility score: 1) detection of a contaminant at a concentration greater than the drinking water maximum contaminant level set by EPA, or 2) any detection of a VOC or SOC, or 3) a confirmed microbial detection at the drinking water source, or 4) the presence of potential contaminant sources within 50 feet of a well or 1,000 feet of a surface water intake. Despite the land use of the area, any of these four conditions will trigger an auto high score because a pathway for contamination already exists. Note that MCLs, detections, and potential contaminants can change over time and are not automatically updated in the score.

7.2 Existing Water Quality Issues

As a regulated public water system under the Safe Drinking Water Act, City of Roberts is required to monitor their water for certain regulated contaminants and report the monitoring results to DEQ. Drinking water commonly contains at least small amounts of contaminants; however, the presence of contaminants, especially those over the maximum contaminant level set by the U.S. Environmental Protection Agency, may pose a risk to public health and signal that a pathway for contamination already exists.

Water quality sampling data has shown IOCs of both Arsenic and Manganese in 2023, an organic compound of Pentachlorophenol, and gross beta particle activity in 1999 of which, the Organic Compound (OC) and Radionuclide (RA) activity hits from 1999 are not viewed as significant to the committee. The committee expresses heightened concern regarding the presence of Inorganic Contaminants (IOCs) in the drinking water sources, with a primary focus on manganese. The concern arises from recent sampling data indicating levels exceeding the recommended Maximum Contaminant Level (MCL). However, considering the absence of significant issues with manganese from current water sampling, the committee believes that its heightened presence could have been attributed to releases into the water caused by changes in water treatment or environmental conditions, such as periods of increased chlorination. To address this, the committee suggests continued water testing and monitoring to see whether manganese levels stay steady even in periods without increased chlorination, or whether they fall back to safe levels. The town is also currently looking into potential manganese mitigation methods, such as reverse osmosis or distillation. The town has also outsourced the backup operator position to a licensed engineering company to ensure that any future issues will have the guidance of experts to resolve them, in 2023, there were positive hits during water sampling tests for coliforms in October, however since November of 2023 to present, no coliform sampling tests have come back positive. As before the positive hits in October of 2023, there had been no hits since at least June of 2022, the committee sees this issue as an isolated incident. The system is following the monthly sampling schedule from the DEQ, and will continue to monitor for any incidents. While the wells that service the city are shallow, and concerns can be raised about surface water infiltration, the town has not observed any of the typical problems that come from surface water infiltration, namely turbidity in the water and increased coliforms after heavy rainstorm or precipitation events. Of note in the Source Water Assessment (SWA), is the presence of a recorded LUST event (leaking underground storage tank) and deep injection well. Upon examination, the committee found that the leaking tank in question had been removed in November of 1991, and that the clean-up had been completed in April of 1993. The owner did not replace the tank, and all other USTs (underground storage tanks) in the ToT delineations have also since been removed, the last one being removed from the Roberts Bus Maintenance Garage in August of 1994. The deep injection well is an authorized residential heat pump return, and considering its location at the outer edge of the 10 yr ToT delineation, the committee views it as an object of least concern.

7.3 Potential Source of Contamination

Source water, from ground water and surface water sources, can become contaminated from various contaminant sources and land use activities, including both point and nonpoint sources of contamination. Point sources of contamination occur at distinct locations. They are often regulated and require permits or registration for facilities that sell, use, or store those materials (such as chemical storage sheds). Nonpoint sources of contamination often occur over large areas and can result from normal every day activities such as agricultural activities or lawn chemical usage.

A primary inventory of potential point sources of contamination was completed by DEQ for the source water delineation area as part of the source water assessment. The goal of the potential contaminant inventory (PCI) is to locate and describe facilities, land uses, and environmental conditions that are potential sources of contamination so that protection strategies can be identified. It is important to understand that a release may never occur from a listed point or nonpoint source, particularly if best management practices (BMPs) that are designed to reduce contamination risks are used. If a business, facility, or land use activity is identified as a potential contaminant source, it does not mean that they are in violation of any local, state, or federal environmental law or regulation. It does mean that the *potential* for contamination exists due to the nature of the business, industry, or land use activities.

The planning team reviewed and verified the potential contaminant inventory completed by DEQ. A complete list of potential contaminant sources identified are included in Appendix B.

The planning team reviewed the potential contaminants identified through the primary and enhanced inventory and considered other general protection measures in defining priority issues. Table 4 includes the priority issues that the planning team chose to specifically address in this protection plan.

Table 4. Priority issues addressed in this plan.

Priority Issue	Contaminant Type
Education, Outreach, and Public Programs	
Planning	

8 Source Water Protection Implementation Strategy

Successful source water protection may require a combination of protection measures and implementation strategies. The protection measures identified in this plan are specific to the potential threats to the City of Roberts's drinking water source and are tailored to the needs of the community (Table 5).

Table 5: Management plan and implementation schedule.

Priority Issue	Protection activity	To be completed by	Year	What goal(s) does this address	Additional Information
Year 1	,	,	1	<u>, </u>	
Education, Outreach, and Public Programs	Water Festivals/Water Awareness Week	City of Roberts and IRWA	2024	Promote public education regarding water conservation and source water protection.	The city currently has an annual Market Lake Day. Typically the city sets up a booth or tent with information available to the public on basic water conservation and education. Invitations will be extended to the Idaho Rural Water Association (IRWA) to participate in the annual Market Lake Day. IRWA will have the opportunity to set up a booth where they can distribute additional educational brochures and conduct demonstrations using groundwater models.

Priority Issue	Protection activity	To be completed by	Year	What goal(s) does this address	Additional Information
Education, Outreach, and	Marketing: Social Marketing	City of Roberts	2024	Protect public health	The City of Roberts is
Public Programs				and the environment,	planning to create
				Promote public	educational Public
				education regarding	Service
				water conservation and	Announcements
				source water	(PSAs) focusing on
				protection.	the city's Source
					Water Protection Plan
					(SWPP) and other
					educational
					conservation
					materials. The PSAs
					will aim to raise
					awareness about the
					importance of
					protecting water
					resources and will
					provide valuable
					information to the
					community. These
					PSA's will feature
					excerpts from
					brochures that will be
					distributed to the
					town, as well as new
					topics on
					conservation and
					education as decided
					by the city based on
					the perceived needs
					of the consumers.
					There will be new
					PSA's created on a
					yearly basis.

Priority Issue	Protection activity	To be completed by	Year	What goal(s) does this address	Additional Information
Education, Outreach, and Public Programs	Literature	City of Roberts with assistance from IRWA	2024	Protect public health and the environment, Promote public education regarding water conservation and source water protection.	IRWA to assist the city in launching a brochure program introducing key topics such as understanding a Source Water Protection Plan (SWPP), addressing issues like winter dripping, promoting water conservation, and providing guidance on efficient summer sprinkler usage. IRWA to provide printing services for brochures/mailers. The city will choose what topics and matters to include or to emphasize for that particular year, depending on the need of the town. The city will distribute these brochures and mailers via additions to utility billing done by the city. These brochures will also be available in the city hall.
Education, Outreach, and Public Programs	Environmental Education	IRWA	2024	Promote public education regarding water conservation and source water protection.	Conduct interactive sessions at local school to engage and educate children, via use of activities such as the edible aquifer. Participate in the Earth Day event hosted at the local library, featuring a groundwater model to enhance awareness of water resources and conservation.

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Planning	Source Water Protection Program	City of Roberts	2024	Protect public health and the environment	The city will continue to update and revise the source water protection plan. Implemented strategies will be monitored for effectiveness, and yearly evaluations will be held to assess whether the plan's goals are being met and identify any issues or areas for improvement. Towards the end of the plan's effective date, the committee will prepare to update/recertify or create a new protection plan.

Priority Issue	Protection activity	To be completed by	Year	What goal(s) does this address	Additional Information
Education, Outreach, and	Water Festivals/Water	City of Roberts and	2025	Promote public	The city currently has
Public Programs	Awareness Week	IRWA		education regarding	an annual Market
				water conservation and	Lake Day. Typically
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					to the public on basic
					water conservation
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Education, Outreach, and Public Programs	Environmental Education	IRWA	2025	Promote public education regarding water conservation and source water protection.	Conduct interactive sessions at local school to engage and educate children, via use of activities such as the edible aquifer. Participate in the Earth Day event hosted at the local library, featuring a groundwater model to enhance awareness of water resources and conservation.

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Education, Outreach, and Public Programs	Environmental Education	City of Roberts	2025	Promote public education regarding water conservation and source water protection.	Year 2: city to begin buying banners and putting them up during relevant dates and events
Planning	Source Water Protection Program	City of Roberts	2025	Protect public health and the environment	The city will continue to update and revise the source water protection plan. Implemented strategies will be monitored for effectiveness, and yearly evaluations will be held to assess whether the plan's goals are being met and identify any issues or areas for improvement. Towards the end of the plan's effective date, the committee will prepare to update/recertify or create a new

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Education, Outreach, and Public Programs	nental Education	City of Roberts	2026	Promote public education regarding water conservation and source water protection.	Year 3: city to continue buying banners, replacing damaged banners, and spreading out from main street location.
Planning Source N Program	Water Protection	City of Roberts	2026		The city will continue to update and revise the source water protection plan. Implemented strategies will be monitored for effectiveness, and yearly evaluations will be held to assess whether the plan's goals are being met and identify any issues or areas for improvement. Towards the end of the plan's effective date, the committee will prepare to update/recertify or create a new protection plan.

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Education, Outreach, and Public Programs Environmental Education City of Roberts 2027 Education, Outreach, and Public Programs Environmental Education City of Roberts 2027	Promote public education regarding water conservation and source water protection.	Year 1: City to begin investigating options for banners to hang on light poles on city's main street promoting water awareness and education. City to investigate potential funding opportunities to pay for banners and other educational material with the goal of protecting source water. Potentially apply for DEQ SWPP grant.
	education regarding water conservation and source water protection.	Year 4: Evaluate impact of the banners and conduct study to gauge public interest and level of engagement in the city's water conservation.
Planning Source Water Protection Program City of Roberts 2027	Protect public health and the environment	The city will continue to update and revise the source water protection plan. Implemented strategies will be monitored for effectiveness, and yearly evaluations will be held to assess whether the plan's goals are being met and identify any issues or areas for improvement. Towards the end of the plan's effective date, the committee will prepare to update/recertify or create a new protection plan.

Priority Issue	Protection activity	To be completed by	Year	What goal(s) does this address	Additional Information
Education, Outreach, and	Water Festivals/Water	City of Roberts and	2028	Promote public	The city currently has
Public Programs	Awareness Week	IRWA		education regarding	an annual Market
				water conservation and	Lake Day. Typically
				source water	the city sets up a
				protection.	booth or tent with
					information available
					to the public on basic
					water conservation
					and education.
					Invitations will be
					extended to the Idaho
					Rural Water
					Association (IRWA) to
					participate in the
					annual Market Lake
					Day. IRWA will have
					the opportunity to set
					up a booth where they
					can distribute
					additional educational
					brochures and
					conduct
					demonstrations using
					groundwater models.

Priority Issue	Protection activity	To be completed by	Year	What goal(s) does this address	Additional Information
Education, Outreach, and	Marketing: Social Marketing	City of Roberts	2028	Protect public health	The City of Roberts is
Public Programs				and the environment,	planning to create
				Promote public	educational Public
				education regarding	Service
				water conservation and	Announcements
				source water	(PSAs) focusing on
				protection.	the city's Source
					Water Protection Plan
					(SWPP) and other
					educational
					conservation
					materials. The PSAs
					will aim to raise
					awareness about the
					importance of
					protecting water
					resources and will
					provide valuable
					information to the
					community. These
					PSA's will feature
					excerpts from
					brochures that will be
					distributed to the
					town, as well as new
					topics on
					conservation and
					education as decided
					by the city based on
					the perceived needs
					of the consumers.
					There will be new
					PSA's created on a
					yearly basis.

Priority Issue	Protection activity	To be completed by	Year	What goal(s) does this address	Additional Information
Education, Outreach, and Public Programs	Literature	City of Roberts with assistance from IRWA	2028	Protect public health and the environment, Promote public education regarding water conservation and source water protection.	IRWA to assist the city in launching a brochure program introducing key topics such as understanding a Source Water Protection Plan (SWPP), addressing issues like winter dripping, promoting water conservation, and providing guidance on efficient summer sprinkler usage. IRWA to provide printing services for brochures/mailers. The city will choose what topics and matters to include or to emphasize for that particular year, depending on the need of the town. The city will distribute these brochures and mailers via additions to utility billing done by the city. These brochures will also be available in the city hall.
Education, Outreach, and Public Programs	Environmental Education	IRWA	2028	Promote public education regarding water conservation and source water protection.	Conduct interactive sessions at local school to engage and educate children, via use of activities such as the edible aquifer. Participate in the Earth Day event hosted at the local library, featuring a groundwater model to enhance awareness of water resources and conservation.

Priority Issue	Protection activity	To be completed by	Year	What goal(s) does this address	Additional Information
Education, Outreach, and Public Programs	Environmental Education	City of Roberts	2028	Promote public education regarding water conservation and source water protection.	Year 1: City to begin investigating options for banners to hang on light poles on city's main street promoting water awareness and education. City to investigate potential funding opportunities to pay for banners and other educational material with the goal of protecting source water. Potentially apply for DEQ SWPP grant.
Planning	Source Water Protection Program	City of Roberts	2028	Protect public health and the environment	The city will continue to update and revise the source water protection plan. Implemented strategies will be monitored for effectiveness, and yearly evaluations will be held to assess whether the plan's goals are being met and identify any issues or areas for improvement. Towards the end of the plan's effective date, the committee will prepare to update/recertify or create a new

City of Roberts recognizes that source water protection is an evolving process. As the community begins implementing its source water protection activities, the planning team may need to modify its strategy based on new information, new ideas, and/or increased public input.

Resources may be required to complete source water protection efforts. The planning team will work toward identifying and securing necessary resources to assist with implementing protection measures identified in the table above.

9 Emergency Response Plan

An emergency response plan is a blueprint outlining roles and responsibilities in the event that the water system experiences a disruption due to contamination, loss of power, natural disasters such as drought or flooding, or other circumstances where it cannot provide services. The emergency response plan helps local officials make informed decisions under the most adverse conditions. Developing and implementing an emergency response plan increases the likelihood that correct and immediate action will be taken and that any damage or potential health risk, both in the short and long term, will be minimized.

Regardless of protection efforts to reduce the risk of potential contamination, contamination may still occur as a result of accidental chemical releases, intentional acts of vandalism, or unforeseen results from otherwise legal use of hazardous materials. The emergency response plan is kept on file at the water system.							

10 New Drinking Water Sources

City of Roberts does not anticipate a need for developing a new drinking water source in the next 5 years. If the need for an additional source does arise, the source water area will be estimated to determine the safest location for a new water source. The new drinking water source will then be delineated and assessed by DEQ to determine the susceptibility of that source to potential contamination. City of Roberts will then incorporate the new source into the source water protection plan and take the appropriate actions needed to protect the new source from potential threats of contamination.

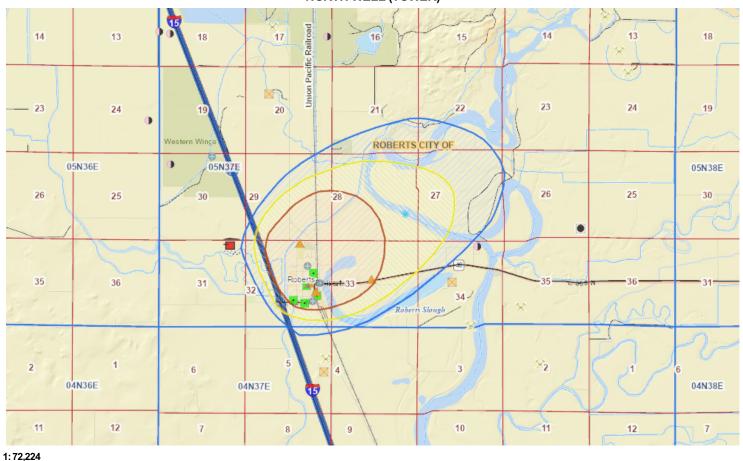
References

- 1. DEQ (Idaho Department of Environmental Quality). 1999. Idaho Source Water Assessment Plan.
- 2. DEQ (Idaho Department of Environmental Quality). 2000. Protecting Drinking Water Sources in Idaho.
- 3. DEQ (Idaho Department of Environmental Quality). City of Roberts (ID7260035) Source Water Assessment Report. www.deq.idaho.gov/water/swaOnline

APPENDIXES

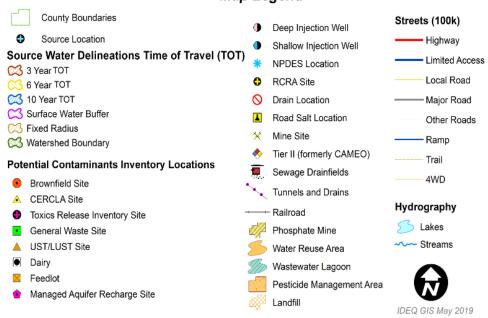
Appendix A - Delineations

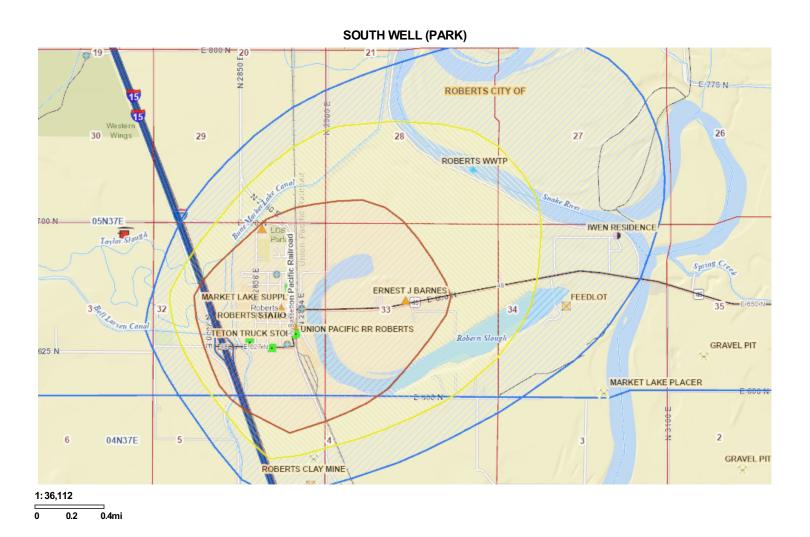
NORTH WELL (TOWER)

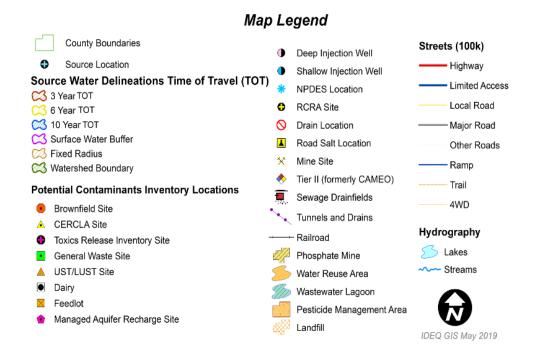


1: 72,224 0 0.5 1mi

Map Legend







Appendix B - PCI table

Source Name	Potential Contaminant	PCI Name	PCI Inventory	Contaminant Type	тот	Priority
NORTH WELL (TOWER)	General Waste Site	CITY OF ROBERTS 1997 FLOOD CLEANUP	GIS	site specific	0-3 year	No
NORTH WELL (TOWER)	General Waste Site	MARKET LAKE SUPPLY	GIS	site specific	0-3 year	No
NORTH WELL (TOWER)	General Waste Site	SIMMONS TRUE VALUE HARDWARE & AUTO PARTS	GIS	site specific	0-3 year	No
NORTH WELL (TOWER)	General Waste Site	TETON TRUCK STOP	GIS	site specific	0-3 year	No
NORTH WELL (TOWER)	Leaking Underground Storage Tank	ERNEST J BARNES	GIS	VOC, SOC	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads		GIS	IOC, VOC, SOC, Microbe	3-6 year	No
NORTH WELL (TOWER)	Major and Minor Roads		GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	15	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	15	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
NORTH WELL (TOWER)	Major and Minor Roads	15	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2850	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2850	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2850	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2858	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2865	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2865E	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2872E	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2880	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2884	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2900	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2900	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
NORTH WELL (TOWER)	Major and Minor Roads	2900	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	3Rd	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	48	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	48	GIS	IOC, VOC, SOC, Microbe	3-6 year	No

Source Name	Potential Contaminant	PCI Name	PCI Inventory	Contaminant Type	тот	Priority
NORTH WELL (TOWER)	Major and Minor Roads	48	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	600	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	627	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	627	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
NORTH WELL (TOWER)	Major and Minor Roads	634	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	642	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	642N	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	644	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	650	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	657	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	664	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	670	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	671	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	679	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	700	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	700	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
NORTH WELL (TOWER)	Major and Minor Roads	700	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	775	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	776	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	800	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Bassett	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Bassett	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Bassett	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Berrett	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Berrett	GIS	IOC, VOC, SOC, Microbe	6-10 year	No

Source Name	Potential Contaminant	PCI Name	PCI Inventory	Contaminant Type	тот	Priority
NORTH WELL (TOWER)	Major and Minor Roads	Driveway	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Driveway	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Exit 135	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Exit 135	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Farm To Market	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Front	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Front	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Front	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Lowell Moore	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Lowell Moore	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
NORTH WELL (TOWER)	Major and Minor Roads	Old Hwy 91	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
NORTH WELL (TOWER)	NPDES Location	ROBERTS WWTP	GIS	Site specific	3-6 year	No
NORTH WELL (TOWER)	Railroad	Union Pacific Railroad	GIS	IOC, VOC, SOC	0-3 year	No
NORTH WELL (TOWER)	Railroad	Union Pacific Railroad	GIS	IOC, VOC, SOC	3-6 year	No
NORTH WELL (TOWER)	Railroad	Union Pacific Railroad	GIS	IOC, VOC, SOC	6-10 year	No
NORTH WELL (TOWER)	Surface Water		GIS	Site specific	6-10 year	No
NORTH WELL (TOWER)	Surface Water	Bell Larsen Canal	GIS	Site specific	3-6 year	No
NORTH WELL (TOWER)	Surface Water	Bell Larsen Canal	GIS	Site specific	6-10 year	No
NORTH WELL (TOWER)	Surface Water	Butte Market Lake Canal	GIS	Site specific	0-3 year	No
NORTH WELL (TOWER)	Surface Water	Butte Market Lake Canal	GIS	Site specific	3-6 year	No
NORTH WELL (TOWER)	Surface Water	Butte Market Lake Canal	GIS	Site specific	6-10 year	No
NORTH WELL (TOWER)	Surface Water	Roberts Slough	GIS	Site specific	0-3 year	No
NORTH WELL (TOWER)	Surface Water	Roberts Slough	GIS	Site specific	3-6 year	No
NORTH WELL (TOWER)	Surface Water	Roberts Slough	GIS	Site specific	6-10 year	No
NORTH WELL (TOWER)	Surface Water	Snake River	GIS	Site specific	3-6 year	No

Source Name	Potential Contaminant	PCI Name	PCI Inventory	Contaminant Type	тот	Priority
NORTH WELL (TOWER)	Surface Water	Snake River	GIS	Site specific	6-10 year	No
NORTH WELL (TOWER)	Surface Water	Taylor Slough	GIS	Site specific	0-3 year	No
NORTH WELL (TOWER)	Surface Water	Taylor Slough	GIS	Site specific	3-6 year	No
NORTH WELL (TOWER)	Surface Water	Taylor Slough	GIS	Site specific	6-10 year	No
NORTH WELL (TOWER)	Underground Storage Tank (UST)	CLARKS LUMBER CO INC	GIS	VOC, SOC	0-3 year	No
NORTH WELL (TOWER)	Underground Storage Tank (UST)	ERNEST J BARNES	GIS	VOC, SOC	0-3 year	No
NORTH WELL (TOWER)	Underground Storage Tank (UST)	ROBERTS BUS MAINTENANCE GARAGE	GIS	VOC, SOC	0-3 year	No
NORTH WELL (TOWER)	Underground Storage Tank (UST)	ROBERTS STATION	GIS	VOC, SOC	0-3 year	No
SOUTH WELL (PARK)	Deep Injection Well		GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Feedlot		GIS	IOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	General Waste Site	CITY OF ROBERTS 1997 FLOOD CLEANUP	GIS	site specific	0-3 year	No
SOUTH WELL (PARK)	General Waste Site	MARKET LAKE SUPPLY	GIS	site specific	0-3 year	No
SOUTH WELL (PARK)	General Waste Site	SIMMONS TRUE VALUE HARDWARE & AUTO PARTS	GIS	site specific	0-3 year	No
SOUTH WELL (PARK)	General Waste Site	TETON TRUCK STOP	GIS	site specific	0-3 year	No
SOUTH WELL (PARK)	Leaking Underground Storage Tank	ERNEST J BARNES	GIS	VOC, SOC	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads		GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads		GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads		GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	15	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	15	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	15	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2800	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2850	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2850	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2850	GIS	IOC, VOC, SOC, Microbe	6-10 year	No

Source Name	Potential Contaminant	PCI Name	PCI Inventory	Contaminant Type	тот	Priority
SOUTH WELL (PARK)	Major and Minor Roads	2858	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2865	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2865E	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2872E	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2880	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2884	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2900	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2900	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	2900	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	3Rd	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	3Rd	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	48	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	48	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	48	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	600	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	600	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	600	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	627	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	634	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	642	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	642N	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	644	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	650	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	657	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	664	GIS	IOC, VOC, SOC, Microbe	0-3 year	No

Source Name	Potential Contaminant	PCI Name	PCI Inventory	Contaminant Type	тот	Priority
SOUTH WELL (PARK)	Major and Minor Roads	670	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	671	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	679	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	700	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	700	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	700	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	775	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	776	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Bassett	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Bassett	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Bassett	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Berrett	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Berrett	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Berrett	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Driveway	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Exit 135	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Farm To Market	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Front	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Front	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Front	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Hackwart	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Lowell Moore	GIS	IOC, VOC, SOC, Microbe	0-3 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Lowell Moore	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Lowell Moore	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Old Hwy 91	GIS	IOC, VOC, SOC, Microbe	0-3 year	No

Source Name	Potential Contaminant	PCI Name	PCI Inventory	Contaminant Type	тот	Priority
SOUTH WELL (PARK)	Major and Minor Roads	Old Hwy 91	GIS	IOC, VOC, SOC, Microbe	3-6 year	No
SOUTH WELL (PARK)	Major and Minor Roads	Old Hwy 91	GIS	IOC, VOC, SOC, Microbe	6-10 year	No
SOUTH WELL (PARK)	Mine Site	Roberts Clay Mine	GIS	Site specific	6-10 year	No
SOUTH WELL (PARK)	NPDES Location	ROBERTS WWTP	GIS	Site specific	0-3 year	No
SOUTH WELL (PARK)	Railroad	Union Pacific Railroad	GIS	IOC, VOC, SOC	0-3 year	No
SOUTH WELL (PARK)	Railroad	Union Pacific Railroad	GIS	IOC, VOC, SOC	3-6 year	No
SOUTH WELL (PARK)	Railroad	Union Pacific Railroad	GIS	IOC, VOC, SOC	6-10 year	No
SOUTH WELL (PARK)	Surface Water	Bell Larsen Canal	GIS	Site specific	0-3 year	No
SOUTH WELL (PARK)	Surface Water	Bell Larsen Canal	GIS	Site specific	3-6 year	No
SOUTH WELL (PARK)	Surface Water	Bell Larsen Canal	GIS	Site specific	6-10 year	No
SOUTH WELL (PARK)	Surface Water	Butte Market Lake Canal	GIS	Site specific	0-3 year	No
SOUTH WELL (PARK)	Surface Water	Butte Market Lake Canal	GIS	Site specific	3-6 year	No
SOUTH WELL (PARK)	Surface Water	Butte Market Lake Canal	GIS	Site specific	6-10 year	No
SOUTH WELL (PARK)	Surface Water	Roberts Slough	GIS	Site specific	0-3 year	No
SOUTH WELL (PARK)	Surface Water	Roberts Slough	GIS	Site specific	3-6 year	No
SOUTH WELL (PARK)	Surface Water	Roberts Slough	GIS	Site specific	6-10 year	No
SOUTH WELL (PARK)	Surface Water	Snake River	GIS	Site specific	3-6 year	No
SOUTH WELL (PARK)	Surface Water	Snake River	GIS	Site specific	6-10 year	No
SOUTH WELL (PARK)	Surface Water	Spring Creek	GIS	Site specific	6-10 year	No
SOUTH WELL (PARK)	Surface Water	Taylor Slough	GIS	Site specific	0-3 year	No
SOUTH WELL (PARK)	Surface Water	Taylor Slough	GIS	Site specific	3-6 year	No
SOUTH WELL (PARK)	Surface Water	Taylor Slough	GIS	Site specific	6-10 year	No
SOUTH WELL (PARK)	Underground Storage Tank (UST)	CLARKS LUMBER CO INC	GIS	VOC, SOC	0-3 year	No
SOUTH WELL (PARK)	Underground Storage Tank (UST)	ERNEST J BARNES	GIS	VOC, SOC	0-3 year	No
SOUTH WELL (PARK)	Underground Storage Tank (UST)	ROBERTS BUS MAINTENANCE GARAGE	GIS	VOC, SOC	0-3 year	No

Source Name	Potential Contaminant		PCI Inventory	Contaminant Type	тот	Priority
SOUTH WELL	Underground Storage Tank	ROBERTS STATION	GIS	VOC, SOC	0-3	No
(PARK)	(UST)				year	