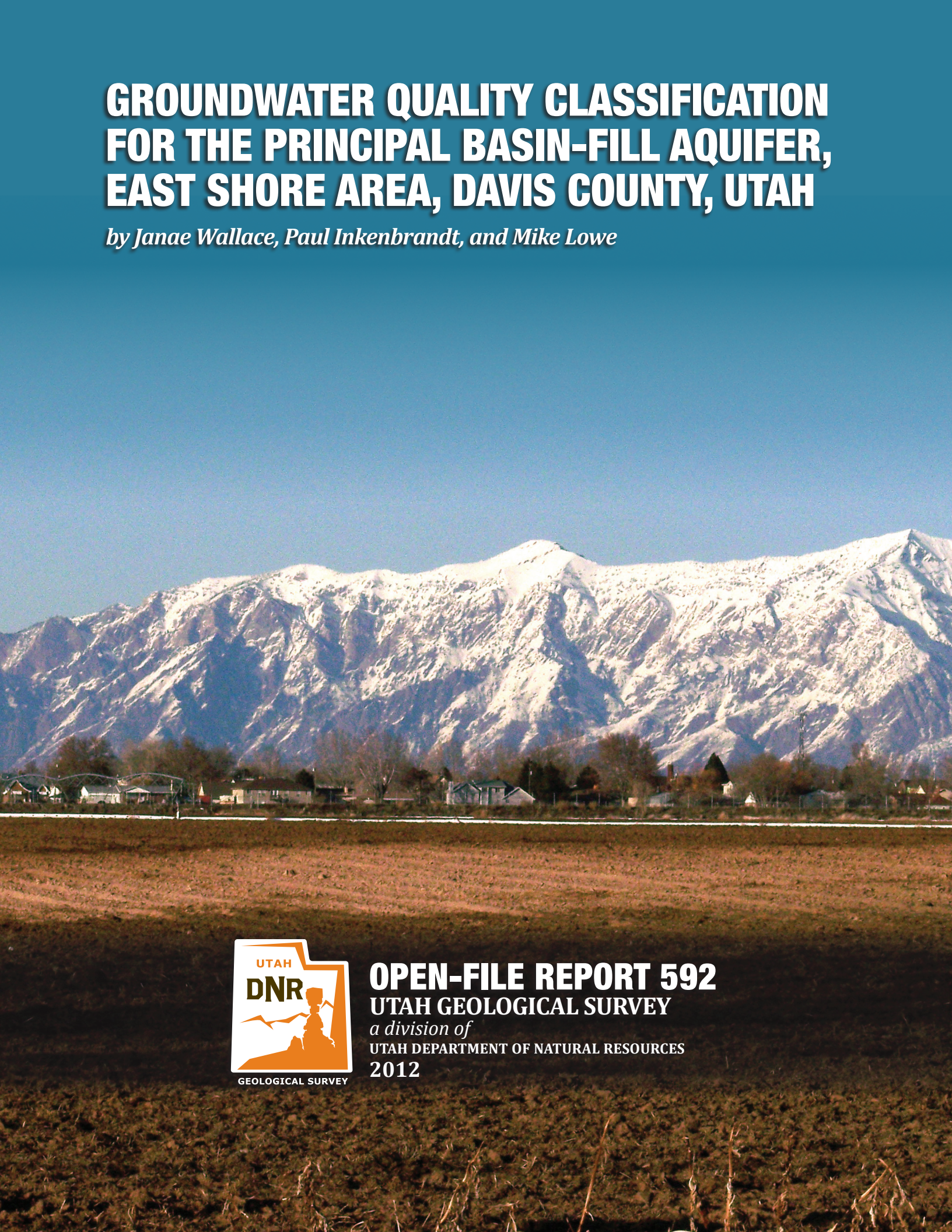
# GROUNDWATER QUALITY CLASSIFICATION FOR THE PRINCIPAL BASIN-FILL AQUIFER, EAST SHORE AREA, DAVIS COUNTY, UTAH

*by Janae Wallace, Paul Inkenbrandt, and Mike Lowe*



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**UTAH GEOLOGICAL SURVEY**
*a division of*
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***Cover photo:*** *View of the Wasatch Mountains from the Layton Bird Refuge.*

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## INTRODUCTION

This is a formal petition to the Utah Water Quality Board submitted by the Utah Geological Survey on behalf of the Davis County Health Department to classify groundwater quality in the principal basin-fill aquifer, east shore area, Davis County, Utah under "Administrative Rules for Ground Water Quality Protection R317-6, October 1, 2006," Section 317-6-5, Ground Water Classification for Aquifers, Utah Administrative Code.

Davis County has the third largest county population in Utah, estimated at 300,827 in 2009 (Demographic and Economic Analysis Section, 2010). In 2009 Davis County residents made up 11% of Utah's total population of 2,784,572 (Demographic and Economic Analysis Section, 2010). Based on projections made in 2005, the population of Davis County is expected to increase to 382,219 by 2030 (Demographic and Economic Analysis Section, 2005). This is an annual average increase in population of 1.2%; these estimates may be low—the projected average annual population increase in Davis County between 2000 and 2009 was 2.6% (Demographic and Economic Analysis Section, 2010). Davis County's population will continue to grow, although the rate of population increase may be difficult to predict.

Preservation of groundwater quality and the potential for groundwater quality degradation are critical issues that should be considered in determining the extent and nature of future development in Davis County. Local government officials have expressed concern about the potential impact that increasing development may have on groundwater quality, particularly development in the primary recharge areas, the areas most vulnerable to contamination. Local government officials would like to formally identify current groundwater quality to provide a basis for defendable land-use regulations to protect groundwater quality.

## FACTUAL DATA

Sufficient information is available to classify groundwater quality in the southern part of the east shore area aquifer system, Davis County, Utah. Data required to formally petition the Utah Water Quality Board were partly obtained from previously published studies. Most of the information required for classification is contained on maps and data tables submitted with this petition, including:

- Plate 1. Total-dissolved-solids concentration for the basin-fill aquifer.
- Plate 2. Groundwater quality classification for the basin-fill aquifer showing groundwater quality classification, well locations, and groundwater flow direction.
- Plates 3a–c. Potential contaminant source inventory.

In addition, the following previously released publications by Clark and others (1990) and Clark (1991) contain valuable information about the Davis County part of the east shore area of Great Salt Lake basin-fill aquifer and can be found at: http://www.waterrights.utah.gov/cgi-bin/docview.exe?Folder=TP20-6-330&Title=Technical+Publication+93 and http://www.waterrights.utah.gov/cgi-bin/docview.exe?Folder=TP20-6-380&Title=Technical+Publication+95.

## GEOLOGIC SETTING

The study area (figure 1) is in the southern part of the east shore area of Great Salt Lake in the Ogden Valley segment of the Wasatch Front Valleys section of the Great Basin physiographic province (Stokes, 1977). The east shore area is a basin lowland extending northward from the Salt Lake salient to the town of Willard, Box Elder County, and from the western margin of the Wasatch Range to the eastern shore of Great Salt Lake (Clark and others, 1990); this report covers the Davis County portion of the east shore area (figure 1). Because the area considered for this groundwater quality classification is part of the larger east shore area hydrologic system, we describe the geologic setting for the entire aquifer system. Elevation ranges from over 9000 feet (2700 m) for some peaks in the Wasatch Range to about 4200 feet (1280 m) at the shore of Great Salt Lake. The Weber and Ogden Rivers are the first and second largest streams in the east shore area, respectively, contributing 90% of the surface-water inflow (Clark and others, 1990, tables 3 and 4). The major Davis County streams include Holmes, Farmington, Ricks, Parrish, Centerville, Stone, and Mill Creeks (Clark and others, 1990, table 3). Dozens of other perennial, intermittent, and ephemeral streams flow westward from the Wasatch Range into the east shore area (Clark and others, 1990, table 4).

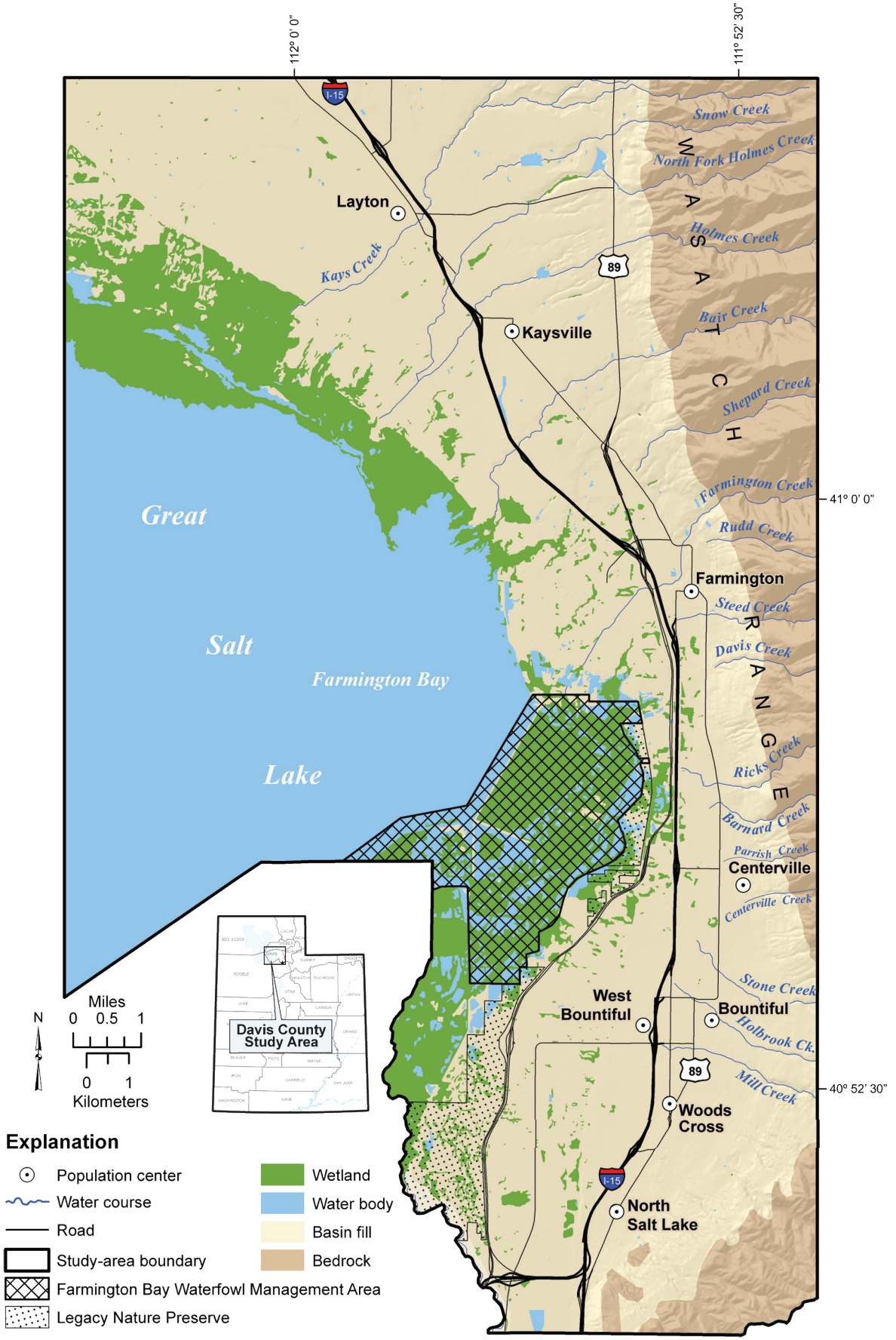


***Figure 1.*** *East shore study area, Davis County, Utah.*

Rocks in the Wasatch Range east of the east shore area consist primarily of Precambrian to Tertiary-age metamorphic and sedimentary rocks that are variably deformed and fractured due to late Mesozoic to early Cenozoic thrust faulting. A wide variety of rock types exist north of Davis County, including the Precambrian Farmington Canyon Complex (described below) and Paleozoic limestone, dolomite, shale, and quartzite (Crittenden and Sorensen, 1985; Yonkee and Lowe, 2004). In Davis County, the Wasatch Range consists almost entirely of the Farmington Canyon Complex, a complex mixture of high-grade metamorphic and igneous rocks (Eardley, 1944; Bryant, 1984; Yonkee and others, 2000); these rocks include meta-ultramafic and mafic rocks, quartz-rich gneiss, biotite-rich schist, migmatitic gneiss, granitic gneiss, and pegmatite (Bryant, 1984; Yonkee and Lowe, 2004). Tertiary conglomerate crops out on the Salt Lake salient (Van Horn, 1981).

The east shore area of Great Salt Lake is part of a north-south-trending structural graben that has been the site of accumulation of great thicknesses of sediment since its inception in early Tertiary time (Eardley, 1955). The active Wasatch normal fault at the base of the Wasatch Range forms the eastern margin of this depositional basin. Gravity, seismic, and drill-hole data indicate that the sediments filling this graben are locally up to 10,000 feet (3000 m) thick in some areas (Feth and others, 1966; Cook and others, 1967; Glenn and others, 1980; Zoback, 1983; McNeil and Smith, 1992). The basin fill likely includes an older sequence of tilted, Eocene to Oligocene strata consisting of a mixture of conglomerate, sandstone, reworked tuff, and minor lacustrine limestone similar to those preserved beneath parts of eastern Great Salt Lake (Constenius, 1996) and locally exposed on Antelope Island (Willis and Jensen, 2000). These older basin-fill deposits are overlain by Miocene to Pliocene rocks that are generally assigned to the Salt Lake Formation and consist of heterogeneous mixtures of poorly consolidated sedimentary rocks and reworked tuff (Miller, 1991). This Miocene to Pliocene basin fill is, in turn, overlain by less consolidated Quaternary basin-fill and surficial deposits of predominantly fluvial, lacustrine, and deltaic origin (Feth and others, 1966). The Quaternary basin-fill sediments are the primary focus of this report because they comprise the principal groundwater aquifers.

The study area is within the hydrologically closed Lake Bonneville basin, and water flowing into this basin generally leaves it only by evapotranspiration. The Lake Bonneville basin has been an area of internal drainage for much of the past 15 million years, and lakes of various sizes have existed in the area during most of that time (Currey and others, 1984). Due to this history of deep-lake cycles interspersed with periods when lakes stood at low levels or were not present, the Quaternary basin-fill deposits consist of complexly interfingering, overall westward-fining bodies of gravel, sand, silt, and clay deposited in lacustrine and fluvial environments (Feth and others, 1966; Sprinkel, 1993).

The Quaternary lacustrine and fluvial basin-fill deposits over much of the east shore area of Great Salt Lake can be divided into a lower interval (the Delta aquifer), a middle confining interval, the Sunset aquifer, and an upper confining interval (figures 2 and 3) (Feth and others, 1966). Sprinkel (1993) described these intervals as follows. The lower interval was deposited partly in a marginal lacustrine environment and consists mostly of thin-bedded silt and fine sand. The Delta aquifer consists mostly of fluvial, interbedded cobble to pebble gravel and gravelly sand. The middle confining interval consists mostly of thin-bedded silt and fine sand, with some layers of pebbly sand, deposited in marginal lacustrine and fluvial environments. The Sunset aquifer consists of pebble gravel, pebbly sand, and well-sorted medium to coarse sand of fluvial origin. The upper confining interval consists mostly of thin-bedded silt and sand likely deposited in a brackish lacustrine environment. The deposits forming each of these aquifers gradually thin and become increasingly finer grained away from the canyon mouths.

## PREVIOUS STUDIES

Dennis and McDonald (1944) conducted an early study of groundwater conditions in the east shore area of Great Salt Lake. Thomas and Nelson (1948) studied the geology and groundwater conditions in the vicinity of Bountiful. Dennis (1952) evaluated groundwater recharge in the east shore area. Hamblin (1954) studied the geology and groundwater conditions in northern Davis County. Feth and others (1966) conducted a comprehensive study of basin-fill deposits and hydrogeologic conditions in the northern Davis County and Weber County portions of the east shore area. Smith (1961) provided basic data on water levels and groundwater quality for the east shore area, and Smith and Gates (1963) evaluated changes in groundwater quality and water levels based on that data for the 1953–61 time period. Bolke and Waddell (1972) mapped groundwater quality and evaluated changes in water levels and groundwater quality in the east shore area for the 1960–69 time period. Clyde and others (1984) constructed a groundwater model, which they used to evaluate the potential for diverting water from the Weber River at the mouth of Weber Canyon for use as a source of artificial recharge for the Weber Delta area. Plantz and others (1986) provided basic hydrologic data for selected wells in the east shore area, augmenting previously collected data with data collected from 1983 to 1985. Clark and others (1990) re-evaluated groundwater conditions in the Weber Delta sub-area of the east shore area and constructed a computer model for the northern Davis County and Weber County portions of the east shore aquifer to evaluate the effects of groundwater withdrawals. Clark (1991) re-evaluated groundwater conditions and constructed a groundwater model for the Bountiful sub-area of the east shore area. Nelson and Personius (1993) mapped the surficial geology of Weber and Davis Counties. Anderson and others (1994; see also Anderson and Susong, 1995) mapped groundwa-

ter recharge and discharge areas for the principal aquifers along the Wasatch Front, including aquifers in the east shore area. Gates (1995) provided a description and quantification of groundwater basins along the Wasatch Front, including a discussion of how water budgets changed from one groundwater study to the next. Yonkee and Lowe (2004) summarized groundwater conditions in the Ogden 7.5-minute quadrangle. Lowe and others (2003) described an aquifer storage and recovery project in Davis County near the mouth of Weber Canyon. Lowe and others (2004) evaluated groundwater sensitivity and vulnerability to pesticides for the principal aquifers in the east shore area of Great Salt Lake. Burden and others (2005) described changes in groundwater conditions in Utah, including the east shore area, from 1975 to 2005. Yidana and others (2010) developed a water budget and evaluated groundwater supply to wetlands in the Farmington Bay area of Davis County.

## GROUNDWATER CONDITIONS

### Basin-Fill Aquifers

Because the basin-fill aquifer within the study area is part of the larger east shore hydrologic area, we include a description of the east shore aquifer system that includes areas outside Davis County. The east shore aquifer system can be divided into two somewhat separate hydrologic sub-areas, the Weber Delta sub-area and the Bountiful sub-area, both of which are in Davis County (figure 2). The Weber Delta sub-area is about 40 miles long (60 km) and 3 to 20 miles (5–30 km) wide, and extends from the Wasatch Range westward to Great Salt Lake, and from Willard, in Box Elder County, southward to Centerville (Feth and others, 1966; Clark and others, 1990; Gates, 1995). The Bountiful sub-area covers about 40 square miles (100 $km^2$) extending from northern Centerville to the Salt Lake County line (figure 2) (Thomas and Nelson, 1948; Clark, 1991).

Important groundwater resources in the east shore area exist in unconsolidated to semiconsolidated Quaternary basin-fill deposits (Feth and others, 1966; Clark and others, 1990). These deposits include relatively coarse-grained alluvial sediments near the mountain front, and finer grained lacustrine and alluvial sediments westward away from the mountains (Feth and others, 1966; Bolke and Waddell, 1972; Clark and others, 1990) (figure 4).

Deeper groundwater in the east shore aquifer system is predominantly confined, but unconfined conditions exist locally in recharge areas along a narrow band at the base of the Wasatch mountain front (figures 4 and 5) (Anderson and others, 1994). Feth and others (1966) delineated two principal aquifers, the Sunset and Delta, in the central part of the Weber Delta sub-area. The Delta aquifer is the primary source of groundwater for northern Davis County and is composed mostly of coarse-grained, pre-Bonneville fluvial and deltaic sediments (Clark and others, 1990). The top of the Delta aquifer is 500 to 700 feet (150–200 m) below ground surface in the northern part of the Weber Delta sub-area, and the aquifer is about 50 to 200 feet (15–60 m) thick (Feth and others, 1966). The shallower Sunset aquifer has a lower permeability and is used to a lesser extent as a source of groundwater. The top of this aquifer is 200 to 400 feet (60–120 m) below ground surface in the northern part of the Weber Delta sub-area, and this aquifer is about 50 to 200 feet (15–60 m) thick (Feth and others, 1966). Fine-grained confining intervals overlie both aquifers away from the mountain front. A shallow unconfined aquifer is commonly found above the upper confining beds within Quaternary surficial deposits (Clark and others, 1990). Feth and others (1966) considered the Delta and Sunset aquifers as having minimal connection throughout most of the Weber Delta sub-area (which is larger than the delta itself and includes the northern half of Davis County [figure 2]) of the east shore aquifer. The Sunset aquifer does not exist along the primary recharge area at the base of the Wasatch Range throughout Davis County (where the principal aquifer is under unconfined conditions).

Three much more poorly delineated confined aquifers, the shallow, intermediate, and deep "artesian" aquifers, are present in the Bountiful sub-area. Depths to the tops of these aquifers range from 60 to 250, 250 to 500, and greater than 500 feet (20–80, 80–150, and greater than 150 m), respectively (Thomas and Nelson, 1948). Because these head differences were not apparent in 1983 to 1985 and because of the lack of substantial lithologic differences between Thomas and Nelson's (1948) aquifers, Clark (1991) considered all water-bearing units below 100 feet (30 m) to be part of a single aquifer system. Tertiary basin fill deeper than about 1500 feet (450 m) is commonly more lithified and less permeable, contains poorer quality water, and is not considered an important groundwater source (Clark and others, 1990).

The ultimate source of groundwater recharging the east shore aquifer system is precipitation in the drainage basin (Clark and others, 1990). Recharge enters the east shore aquifer system through channel seepage along losing stretches of streams; seepage from irrigated fields, lawns, and gardens; direct infiltration of precipitation; and subsurface inflow from bedrock of the Wasatch Range (Thomas and Nelson, 1948; Clark and others, 1990). Most recharge takes place in the primary recharge area along the mountain front, especially near the mouth of Weber Canyon (Anderson and others, 1994). Subsurface inflow from bedrock along the mountain front and seepage from the Weber River and other perennial streams are probably the dominant recharge sources (Thomas and Nelson, 1948; Feth and others, 1966).

Discharge from the east shore aquifer system includes flow into gaining stretches of streams and to small springs, water-well withdrawal, evapotranspiration of shallow groundwater, and groundwater flow to Great Salt Lake (Thomas and Nelson, 1948; Feth and others, 1966). Water-well withdrawal and flow to gaining streams and springs are the main discharge components (Clark and others, 1990).

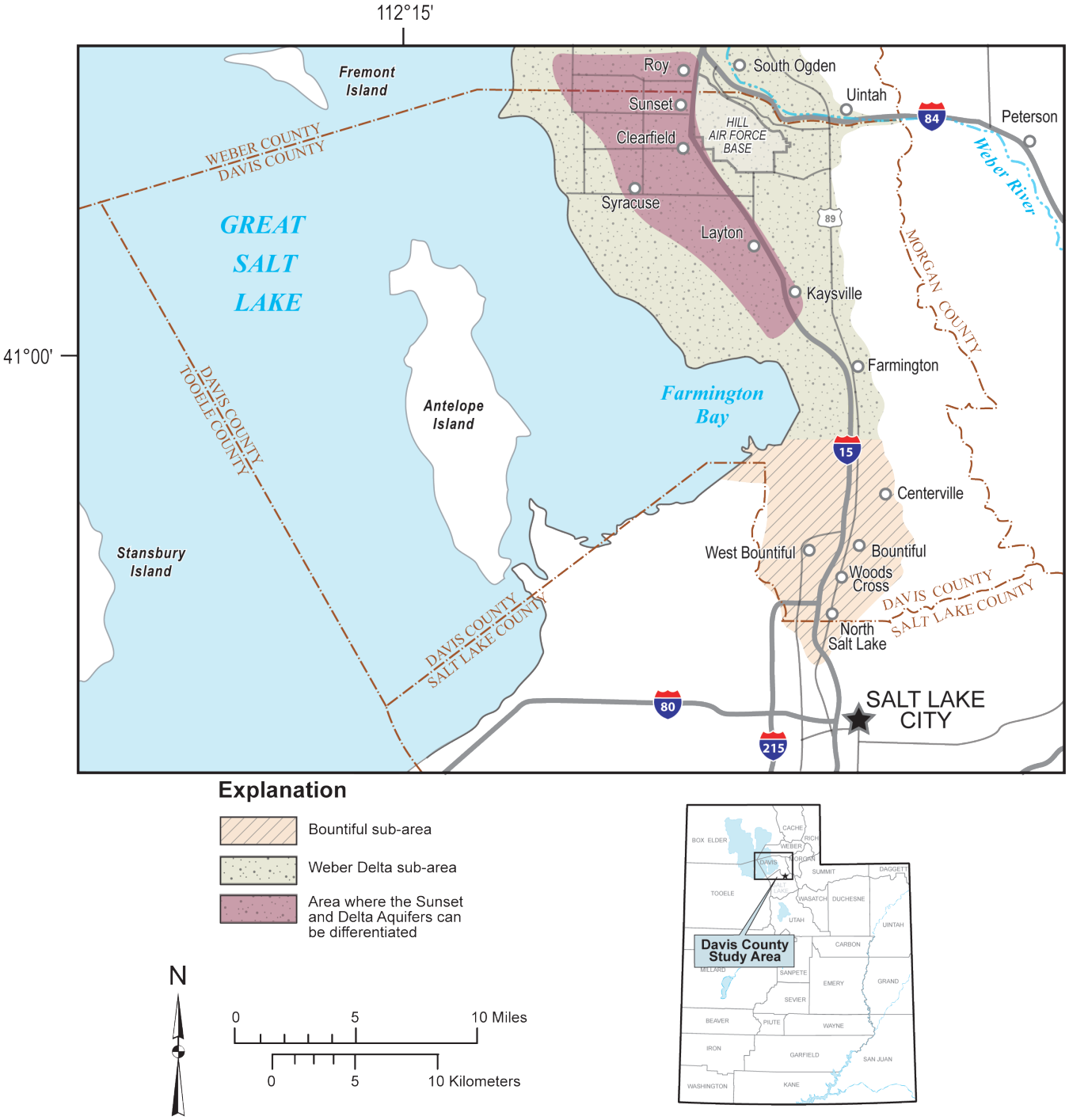


***Figure 2.*** *The Weber Delta and Bountiful sub-areas of the east shore aquifer system, and extent of area where Delta and Sunset aquifers are distinguishable in Davis County, Utah (modified from Clark and others, 1990).*

Groundwater flow in the east shore system is generally westward from recharge areas near the Wasatch Range toward Great Salt Lake (Thomas and Nelson, 1948; Feth and others, 1966). For the Weber Delta sub-area, the horizontal hydraulic gradient for deeper wells in the Delta aquifer is about 5 feet per mile (1 m/km) in most areas, and the horizontal hydraulic gradient for shallow wells in the Sunset aquifer is about 10 feet per mile (2 m/km) (Feth and others, 1966). The horizontal hydraulic gradient for wells in the shallow artesian aquifer in the Bountiful sub-area is also about 5 feet per mile (1 m/km) in most areas (Thomas and Nelson, 1948). The vertical hydraulic gradient in the east shore aquifer system is generally downward in recharge areas near the mountain front and generally upward where confined conditions exist west of the mountain front, but vertical flow is probably relatively slow through low-permeability confining layers (Clark and others, 1990).

Transmissivity values for confined parts of the Weber Delta sub-area aquifer system range from 270 to 40,000 feet squared per day (25–3700 $m^2/d$), based on 17 aquifer

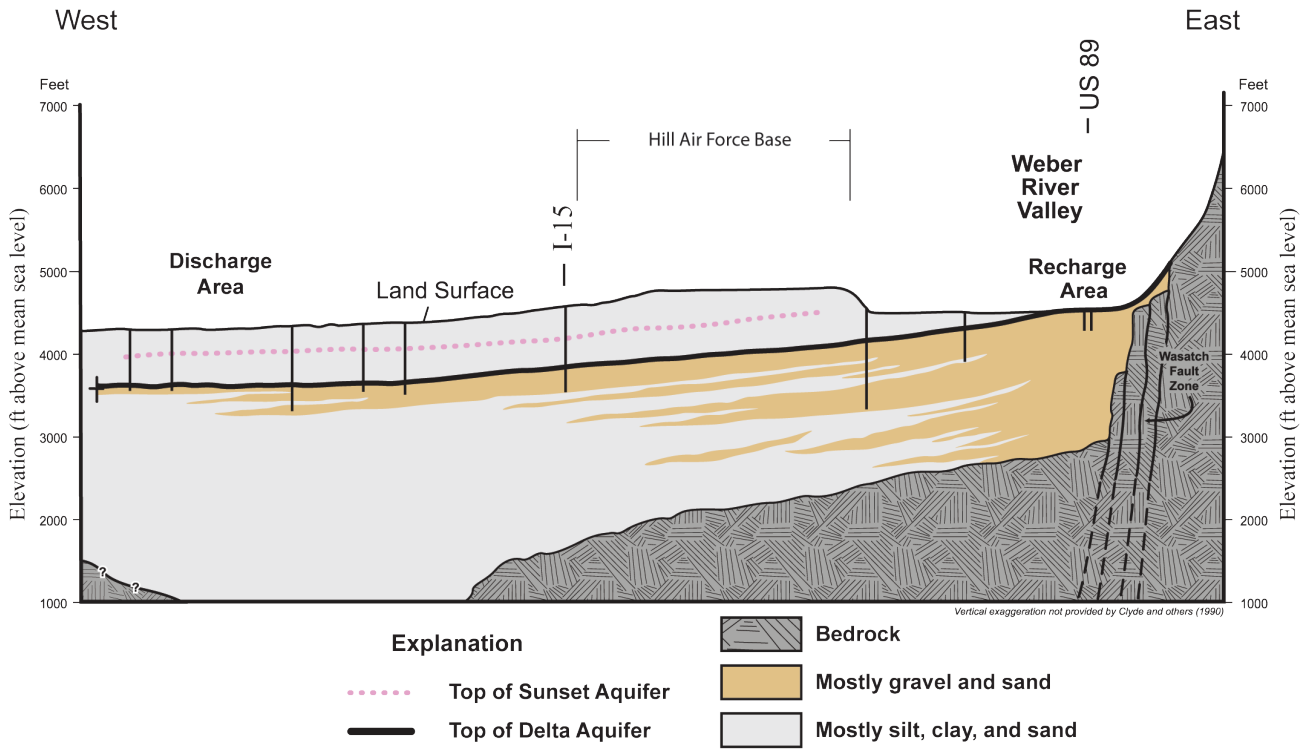


***Figure 3.*** *Geologic profile through the central Weber Delta subdistrict, east shore area of Great Salt Lake, Utah (modified from Hurlow and others, 2011).*

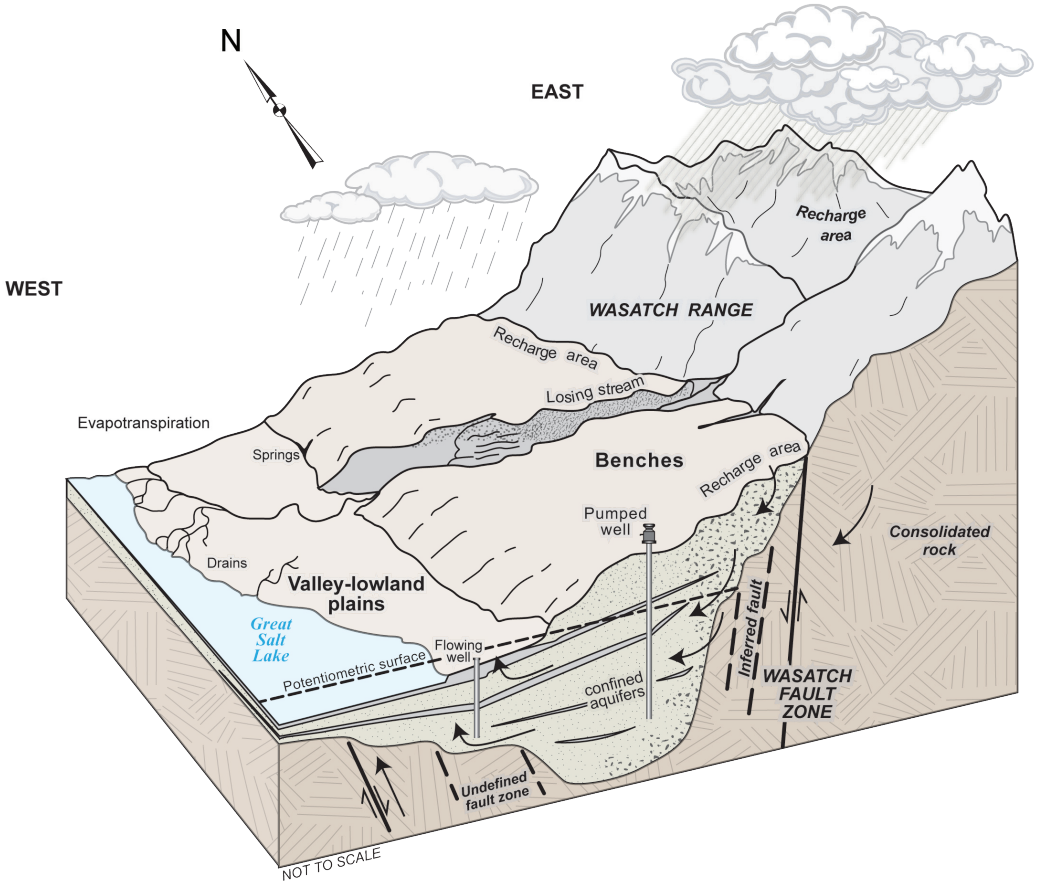


***Figure 4.*** *Generalized block diagram showing water-bearing formations, probable direction of groundwater movement (arrows), and areas of recharge and discharge, east shore area of Great Salt Lake, Davis County, Utah (after Clark and others, 1990).*

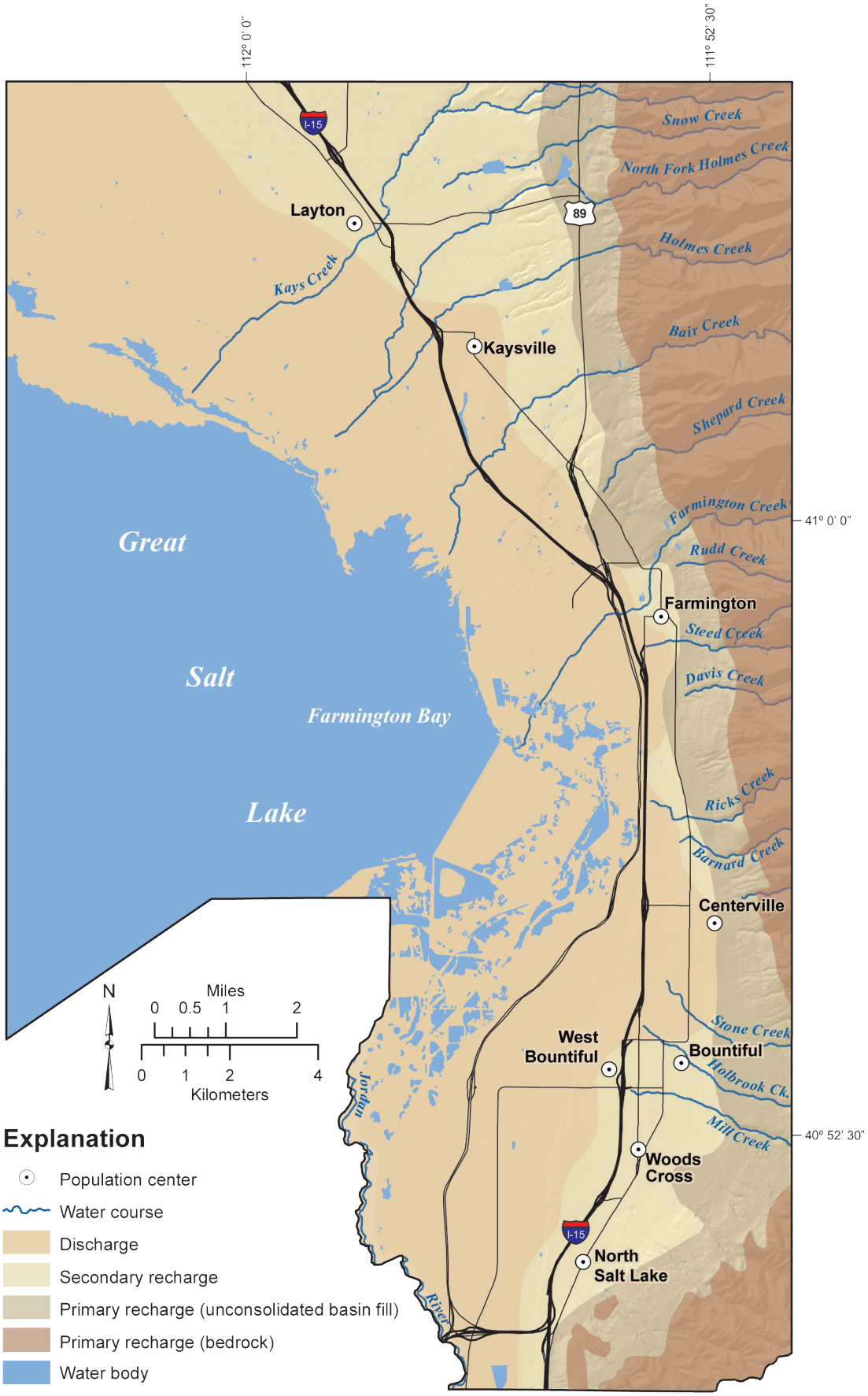


***Figure 5.*** *Recharge and discharge areas for the east shore area, Davis County, Utah (from Anderson and others, 1994).*

tests conducted between 1944 and 1956 (Feth and others, 1966, table 8). Transmissivity values for unconfined conditions near the mountain front in the Weber Delta sub-area range from 4000 to 5300 feet squared per day (370–500 $m^2$/d), based on three aquifer tests conducted between 1944 and 1956 (Feth and others, 1966, table 8). Elastic storage coefficients for the Weber Delta sub-area of the east shore aquifer system range from about 0.002 to 0.00007, based on tests conducted between 1944 and 1956 (Feth and others, 1966, table 8). Specific yields, related to dewatering of pore space, are likely in the range of 0.07 to 0.25 for the Weber Delta sub-area, based on observed porosities and limited recharge tests (Feth and others, 1966). The Bountiful sub-area aquifers likely have similar values.

Seasonal groundwater levels in the Weber Delta sub-area generally rise in the spring during net recharge and decline in the summer, with greatest declines near the mountain front (Thomas and Nelson, 1948; Clark and others, 1990). Long-term water levels in the east shore aquifer system for most areas have declined slightly over time, probably related to increased withdrawals from wells for municipal and industrial use (Clark and others, 1990). From 1953 to 1985, groundwater levels declined an average of 27 feet (8 m) for wells in the confined part of the aquifer system in the Weber Delta sub-area, with a maximum drop of 50 feet (15 m) near the principal pumping center for the aquifer system (Clark and others, 1990). From 1953 to 1985, water levels in the unconfined part of the aquifer system in the Weber Delta sub-area declined as much as 40 feet (12 m) in wells near the mouth of Weber Canyon (Clark and others, 1990), indicating that groundwater mining is a concern. The trend in declining water levels in the east shore aquifer system does not appear to have slowed; Burden and others (2005) documented water-level declines of as much as 36.7 feet (11.2 m) from 1975 to 2005 (figure 6).

### Groundwater Quality from Previous Studies

Groundwater quality in the east shore area aquifer system is generally good, with total-dissolved-solids (TDS) concentrations ranging from 92 mg/L to 9800 mg/L, based on groundwater quality data from Smith (1961, table 3), Smith and Gates (1963, table 4), Feth and others (1966, table 9), Bolke and Waddell (1972, table 2), Plantz and others (1986, table 5), Clark and others (1990, table 13), and Anderson and others (1994, table 2). Geochemically, groundwater types in the east shore aquifer system are calcium-magnesium-bicarbonate, sodium-bicarbonate, sodium-chloride, and no predominant type (Smith and Gates, 1963; Feth and others, 1966; Bolke and Waddell, 1972; Clark and others, 1990) (figure 7). The calcium-magnesium-bicarbonate type is the predominant groundwater type in the east shore area of Great Salt Lake, and generally contains less than 300 mg/L TDS (Feth and others, 1966, figure 14). The sodium-bicarbonate type groundwater is along the eastern margin of Great Salt Lake in the southern part of the study area, and generally contains less than 400 mg/L TDS (Smith and Gates, 1963). The sodium-chloride type occurs mostly in a few areas along the shore of Great Salt Lake, and contains from 500 mg/L TDS to more than 9000 mg/L TDS (Smith and Gates, 1963, figure 8; Feth and others, 1966, figure 14). Mixed-type water exists in the Bountiful/North Salt Lake area, and contains from 500 to 1000 mg/L TDS (Smith and Gates, 1963, figure 8; Feth and others, 1966, figure 14).

Concentrations of organic solvents, such as toluene and trichloroethane, exceeding groundwater quality standards (U.S. Environmental Protection Agency, 2010) have been identified in the shallow unconfined aquifer in the Hill Air Force Base area south of Riverdale and are currently being remediated (Dalpias and others, 1989).

## GROUNDWATER QUALITY CLASSIFICATION DATA

To facilitate this groundwater quality classification, the Utah Geological Survey sampled 20 wells during 2010. The Utah Department of Epidemiology and Laboratory Services analyzed groundwater from all of the wells for general chemistry, dissolved metals, and nutrients (appendix A); groundwater from two wells was analyzed for organics and pesticides and groundwater from one well was analyzed for radionuclides (appendix A). The samples were also measured for field parameters (specific conductance, dissolved oxygen, pH, and temperature). These data were augmented by specific conductance, TDS, and selected data from other groundwater constituents from 39 samples collected from public-supply wells between 1991 and 2009 as reported by the Utah Division of Drinking Water, and 64 samples collected by the U.S. Geological Survey (USGS) between 1960 and 2010 (appendix A).

### Total-Dissolved-Solids Concentrations

The Utah Water Quality Board's drinking-water quality (health) standard for total dissolved solids is 2000 mg/L for public-supply wells. The secondary groundwater quality standard is 500 mg/L (U.S. Environmental Protection Agency, 2010), and is primarily due to imparting a potential unpleasant taste to the water (Bjorklund and McGreevy, 1971). Plate 1 shows the distribution of total dissolved solids in the Davis County part of the east shore area's basin-fill aquifer. Based on data from groundwater samples from 123 wells (20 wells sampled by the UGS, 39 public water-supply wells, 64 samples from the USGS), TDS concentrations in the east shore aquifer system in Davis County range from 86 to 1780 mg/L, with only three wells exceeding 1000 mg/L TDS, and an overall average TDS concentration of 369 mg/L and median value of 290 mg/L (appendix A, plate 1).

### Nitrate Concentrations

The drinking-water quality (health) standard for nitrate is 10 mg/L (U.S. Environmental Protection Agency,

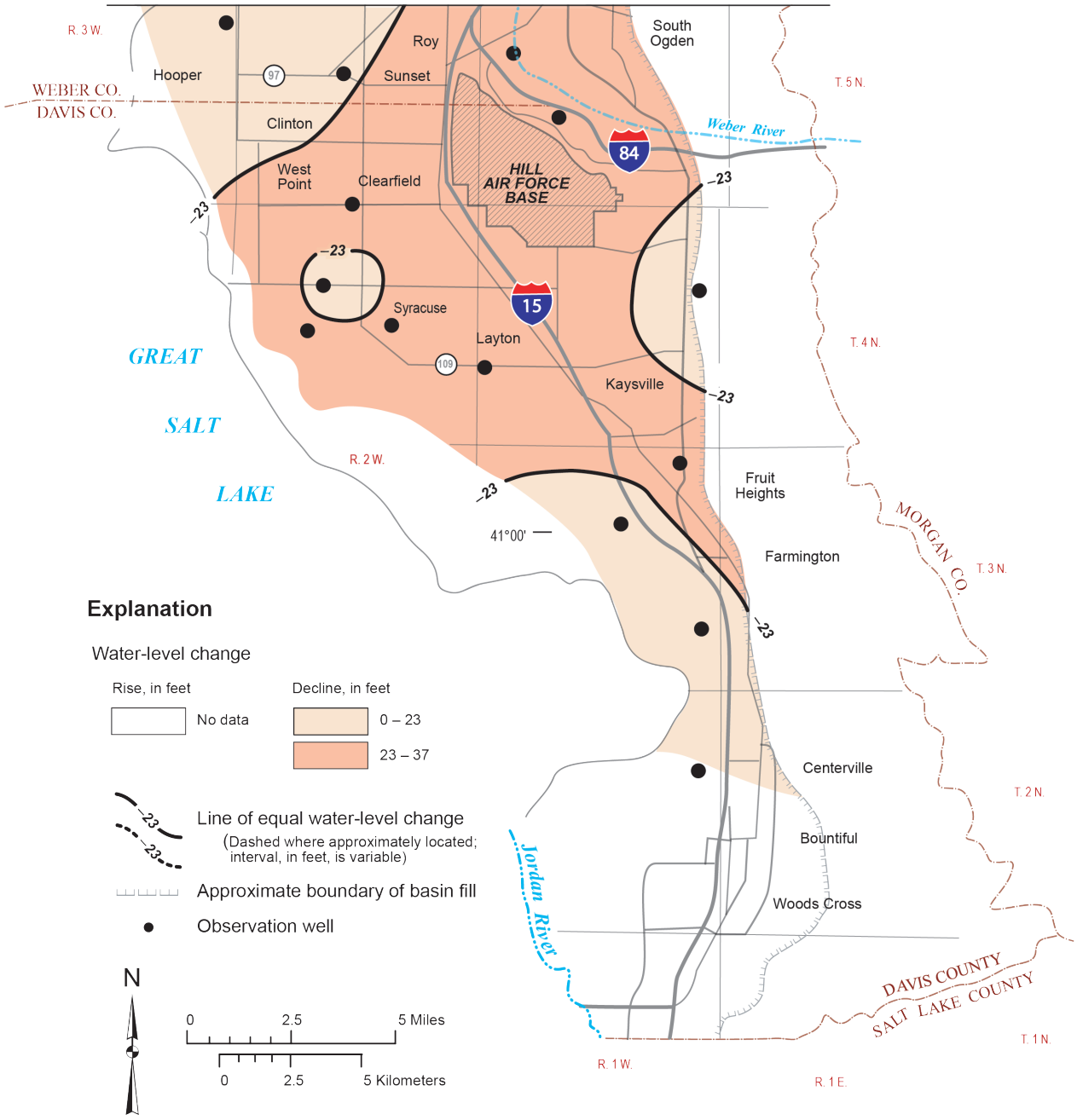


***Figure 6.*** *Change of water level from March 1975 to March 2005, east shore area, Weber and Davis Counties, Utah (modified from Burden and others, 2005).*

2010). More than 10 mg/L of nitrate in drinking water can result in a condition known as methoglobinemia, or "blue baby syndrome," in infants less than six months old (Comley, 1945), which can be life threatening without immediate medical attention (U.S. Environmental Protection Agency, 2010). This condition is characterized by a reduced ability for blood to carry oxygen. Based on data from groundwater samples from 107 wells in the aquifer, nitrate-as-nitrogen concentrations range from less than 0.02 to 8.2 mg/L (appendix A). A majority of wells (56%) have concentrations of less than 1 mg/L, only two wells have nitrate concentration exceeding 5 mg/L, and no wells exceed the EPA standard.

## Other Constituents

Based on the data presented in appendix A, three wells exceed the EPA primary water-quality standard of 10 µg/L for arsenic. Small amounts of arsenic can cause skin damage or circulatory system problems, and may increase the risk of cancer (U.S. Environmental Protection Agency, 2010). Water samples from three wells exceed the gross alpha standard of 15 pCi/L. No other wells exceed primary groundwater quality standards for any constituent; 20 wells exceed the secondary standard for iron (300 µg/L) (appendix A).

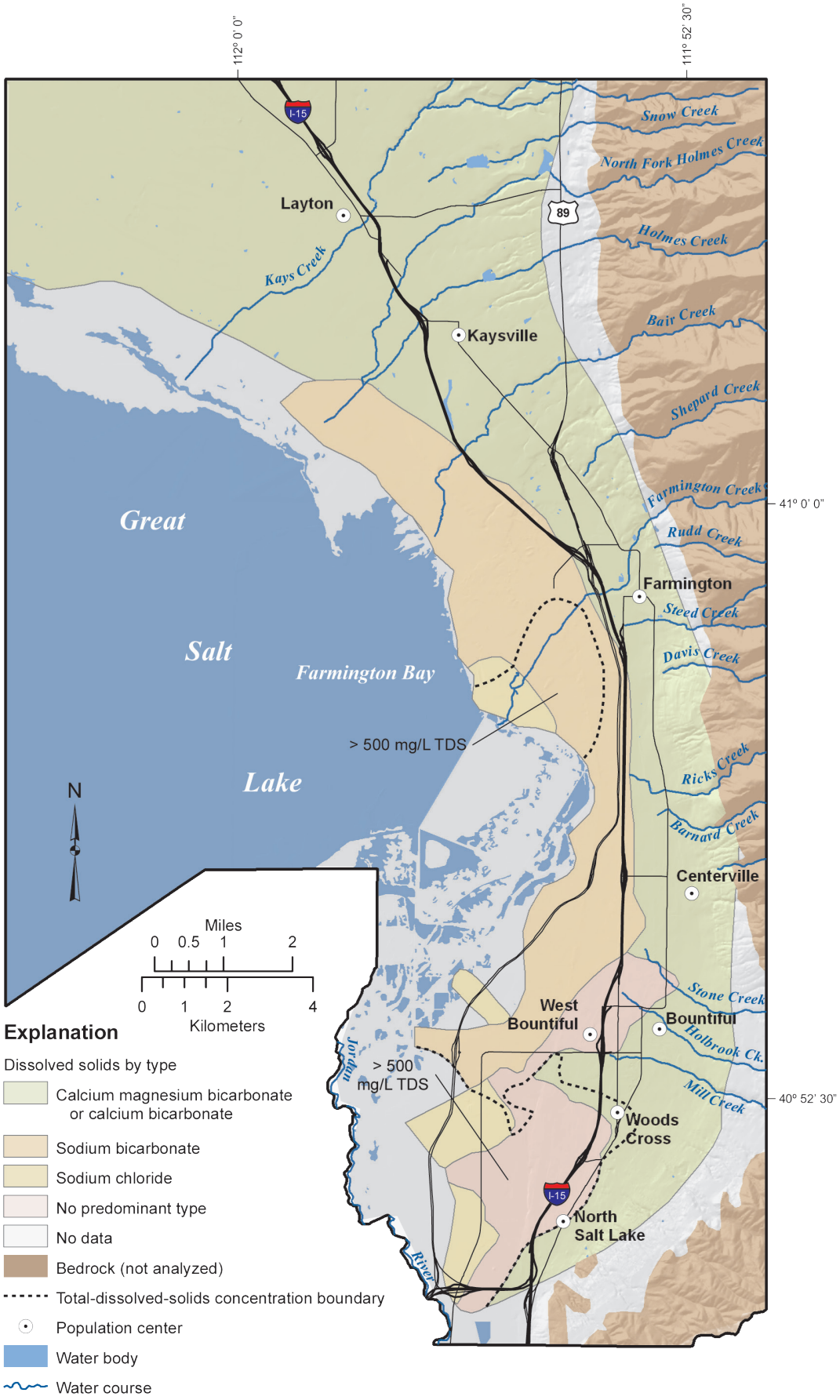


***Figure 7.*** *Groundwater quality types and areas with greater than or less than 500 mg/L total-dissolved-solids (TDS) concentrations, east shore area, Davis County, Utah (modified from Clark and others, 1990).*

## APPROVED CLASSIFICATION

Under "Administrative Rules for Ground Water Quality Protection R317-6, March 3, 2003," Section 317-6-3, Ground Water Classes, Utah Administrative Code, Utah's groundwater quality classes are based on TDS concentrations as shown in table 1. Two other classes, IB and IC, are not based on groundwater chemistry. Class IB groundwater, called Irreplaceable groundwater, is a source of water for a community public drinking-water system for which no reliable supply of comparable quality and quantity is available because of economic or institutional constraints; this class has not been considered as part of this petition. Class IC groundwater, called Ecologically Important groundwater, is a source of groundwater discharge important to the continued existence of wildlife habitat. Groundwater protection levels for classes IA and IB, as set under "Administrative Rules for Ground Water Quality Protection R317-6, March 3, 2003," Section 317-6-4, Ground Water Class Protection Levels, Utah Administrative Code, are more stringent than for other groundwater quality classes.

Davis County petitioned the Utah Water Quality Board to classify the principal drinking-water aquifer (as shown on plate 2), which consists of a confined aquifer underlying the shallow unconfined aquifer and upper confining layers, and a deep unconfined aquifer beyond the margins of the confining layers where the shallow unconfined aquifer does not exist. The classification, which was approved by the Utah Water Quality Board on September 28, 2011, is based on groundwater data from the 123 wells presented in appendix A, screened in the principal drinking-water aquifer.

This classification does not apply to the shallow unconfined aquifer, which overlies the principal aquifer in much of the study area. This is technically justified by the presence of low-permeability confining layers between the shallow unconfined and deep aquifers, which act as an aquitard to protect the deep aquifer from surface contamination, and the upward vertical hydraulic gradient in groundwater discharge areas underlying most of the area where a shallow unconfined aquifer exists.

Minimal connection exists between the Sunset (upper) and Delta (lower) aquifers throughout most of the Weber Delta sub-area (which is larger than the delta itself and includes the northern half of Davis County) of the east shore aquifer. The Sunset aquifer does not exist along the primary recharge area at the base of the Wasatch Range throughout Davis County (where the principal aquifer is under unconfined conditions). The Sunset aquifer has poorer quality groundwater (in terms of TDS) and is generally not used for drinking water. The Sunset aquifer is not part of the principal drinking-water aquifer, and, along with the shallow unconfined aquifer, is not being classified in this petition. The aquifer system in southern Davis County, where neither the Sunset nor the Delta aquifer exists, is less compartmentalized.

Where insufficient data exist, extrapolation of groundwater quality conditions is required, which we based on local geologic characteristics. The classes (plate 2) are described below. Wells having elevated arsenic concentrations are not mapped as extensive contaminant plumes, and are dominantly isolated wells that are typically adjacent to water wells having low levels of these concentrations. We do not classify single wells; only areas of extensive contamination are considered as Class III.

**Class IA- Pristine groundwater:** For this class, TDS concentrations in the Davis County part of the east shore aquifer system range from 86 to 488 mg/L (appendix A). Class IA areas are throughout most of the Davis County part of the east shore aquifer system (plate 2). Areas having Pristine water quality cover about 85% of the total basin-fill material.

***Table 1.*** *Groundwater quality classes under the Utah Water Quality Board's total-dissolved-solids- (TDS) based classification system (modified from Utah Division of Water Quality, 1998).*

| Groundwater Quality Class | TDS Concentration | Beneficial Use |
|---|---|---|
| Class IA/IB[1]/IC[2] | Less than 500 mg/L[3] | Pristine/Irreplaceable/ Ecologically Important |
| Class II | 500 to less than 3000 mg/L | Drinking Water[4] |
| Class III | 3,000 to less than 10,000 mg/L | Limited Use[5] |
| Class IV | 10,000 mg/L and greater | Saline[6] |

[1]Irreplaceable groundwater (Class IB) is a source of water for a community public drinking-water system for which no other reliable supply of comparable quality and quantity is available due to economic or institutional constraints; it is a groundwater quality class that is not based on TDS.
[2]Ecologically Important groundwater (Class IC) is a source of groundwater discharge important to the continued existence of wildlife habitat; it is a ground-water quality class that is not based on TDS.
[3]For concentrations less than 7000 mg/L, mg/L is about equal to parts per million (ppm).
[4]Water having TDS concentrations in the upper range of this class must generally undergo some treatment before being used as drinking water.
[5]Generally used for industrial purposes.
[6]May have economic value as brine.

**Class II- Drinking Water Quality groundwater:** For this class, TDS concentrations in the Davis County part of the east shore aquifer system range from 520 to 1780 mg/L (appendix A). Total basin-fill area coverage of Class II water quality is 15% (plate 2). Class II groundwater quality is dominantly found in the southeastern part of the study area (plate 2).

## CURRENT BENEFICIAL USES

In Davis County, groundwater from the basin-fill aquifer is an important source of domestic and municipal culinary water for inhabitants. Surface water, including drains, is also an important source of water (Handy and others, 2009). Most water used in Davis County as summarized for 2008 municipal water users, is from drains (35%), followed by wells (25%), streams (23%), and other sources (17%) (Handy and others, 2009). Total estimated municipal well water withdrawal in 2008 for Davis County was 26,201 acre-feet. Proportional municipal water uses in 2008 were: domestic – 40%, wholesale – 38%, commercial – 10%, industrial – 6%, institutional – 3%, and other uses – 1% (Handy and others, 2009).

## WATER-SUPPLY WELLS

Based on Utah Division of Water Rights records, 2785 approved perfected water wells are in the Davis County part of the east shore aquifer system, 134 of which are public-supply wells (Mark Jensen, Division of Drinking Water, written communication, August 2010). The locations of all wells are on plate 2.

## POTENTIAL CONTAMINANT SOURCES

We mapped 1798 potential contaminant sources in the Davis County part of the east shore aquifer system, including some facilities related to mining, agricultural practices, industrial uses, fuel storage, and junkyard/salvage areas (appendix B, plate 3). We located 997 of the 1798 potential contaminant sources from field observations via a windshield survey. We compiled an additional 801 potential groundwater contaminant sources using information obtained from the U.S. Environmental Protection Agency (U.S. EPA), the Utah Department of Environmental Quality (DEQ), the Davis County Health Department, and the Utah Automated Geographic Reference Center (AGRC). The DEQ provided toxic release inventory (TRI), Tier II, and water-related land-use data. The U.S. EPA provided underground storage tank/leaking underground storage tank (UST/LUST) data. The AGRC provided locations for cemeteries, parks, mines, and health care facilities. A primary objective was to identify potential contaminant sources to establish a relationship between water quality and land-use practices. We grouped the mapped contaminant sources into the following categories:

(1) Mining, which includes abandoned and active gravel, phosphate, and carbonate mining operations.

(2) Agricultural practices, which consist of irrigated and non-irrigated farms, animal feeding operations, and cropland; active and abandoned animal feed lots, corrals, stables/barnyards; and animal waste that is dominantly produced from feeding facilities, waste transported by runoff, and excrement on grazing or pasture land that potentially contribute nitrate.

(3) Junkyard/salvage areas that potentially contribute metals, solvents, and petroleum products.

(4) Government facility/equipment storage associated with a variety of sources such as salt storage facilities, and transportation/equipment storage that may contribute metals, solvents, and petroleum.

(5) Cemeteries, nurseries, greenhouses, ball parks, and golf courses that may contribute chemical preservatives, fertilizer, and pesticides.

(6) Storage tanks that may contribute pollutants such as fuel and oil.

(7) Equipment vehicle storage and maintenance that may contribute pollutants such as fuel and oil.

(8) Manufacturing and industrial uses that may contribute pollutants such as fuel and oil.

(9) Rural and residential homes that may contribute pollutants from septic tanks, fuel, household hazardous waste, equipment, and animal by-products.

(10) Remediation efforts that may contribute pollutants associated with hazardous material contamination remediation.

(11) Wastewater treatment plants and sewage lagoons which may contribute pollutants such as nitrates, fuel, and oil.

In addition to the above-described potential contaminant sources, septic tank soil-absorption systems in the Davis County part of the east shore area are common and may potentially pollute groundwater. There are approximately 257 private septic systems in the Davis County part of the east shore area (Davis County Health Department, written communication, August 24, 2010). Septic-tank systems may contribute contaminants such as nitrate and solvents. All approved water wells, shown on plate 2, are also considered potential contaminant sources.

## EXISTING POLLUTION SOURCES

Existing pollution sources include those contaminants that have been documented and/or are currently being treated; potential contaminants address pollutants that have the potential to deteriorate groundwater. Existing sources of pollution are known in the Davis County part of the east shore aquifer system. Concentrations of organic solvents, such as toluene and trichloroethane, exceeding groundwater quality standards (U.S. Environmental Protection Agency, 2010) have been identified in

the shallow unconfined aquifer in the Hill Air Force Base area south of Riverdale in northern Davis County and are currently being remediated (Dalpias and others, 1989). Concentrations of tetrachloroethylene (PCE) exceeding groundwater quality standards (U.S. Environmental Protection Agency, 2010) have been identified in the Five Points area of Woods Cross in southern Davis County, and a remedial investigation is in progress (U.S. Environmental Protection Agency, 2011).

## GROUNDWATER FLOW

Groundwater flow is generally westward from the Wasatch Range on the eastern margin of the east shore area toward the basin center and Great Salt Lake (plate 2) (Clark and others, 1990).

## CONCLUSIONS

Groundwater is an important source of drinking water in the Davis County part of the east shore aquifer system. Groundwater quality classification is a tool that can be used in Utah to manage potential groundwater contamination sources and protect the quality of groundwater resources. The results of the approved groundwater quality classification for the Davis County part of the east shore aquifer system indicate that the basin-fill aquifer contains mostly high-quality groundwater resources that warrant protection. Eighty-five percent of the basin-fill area in the Davis County part of the east shore aquifer system is classified as having Class IA groundwater, and 15% is classified as having Class II groundwater, based on chemical analyses of water from 20 wells sampled during 2010 by the UGS, and data from 39 samples collected from public-supply wells between 1991 and 2009 as reported by the Utah Division of Drinking Water, and 64 samples collected by the USGS between 1960 and 2010.

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# APPENDICES

# APPENDIX A.
# Water-Quality Data for the Basin-Fill Aquifer

***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Well Location[1] | UTM Easting (m) | UTM Northing (m) | Sample Date | Well Depth (Feet) | Data source[2] | Solids, residue @180°C, dissolved (mg/L) | 3-Hydroxy-carbofuran (µg/L) | Aldicarb sulfone (µg/L) | Aldicarb sulfoxide (µg/L) | Aldicarb (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | (B-4-2)7bdc-1 | 406311.48 | 4550103.7 | 5/12/10 | 577 | UGS | 246 | - | - | - | - |
| 2 | (A-2-1)7ddc-1 | 426278.02 | 4529740.7 | 5/17/10 | 370 | UGS | 308 | - | - | - | - |
| 3 | (B-4-1)22dda-1 | 421708.15 | 4546044 | 5/17/10 | 200 | UGS | 282 | - | - | - | - |
| 4 | (B-2-1)13adb-1 | 424545.15 | 4529049.8 | 5/17/10 | 185 | UGS | 320 | - | - | - | - |
| 5 | (B-3-1)26aac-1 | 423113.3 | 4535766.7 | 5/12/10 | 264 | UGS | 566 | - | - | - | - |
| 6 | (B-4-2)25bbc-1 | 413824.16 | 4545634.3 | 5/11/10 | 476 | UGS | 132 | <2 | <2 | <2 | <2 |
| 7 | (B-4-2)22cbc-1 | 410580.27 | 4546585.4 | 5/11/10 | 460 | UGS | 170 | - | - | - | - |
| 8 | (B-2-1)14daa-1 | 423129.93 | 4528757.3 | 5/17/10 | 240 | UGS | 188 | - | - | - | - |
| 9 | (B-3-1)9daa-1 | 420132.77 | 4540031.2 | 5/12/10 | 591 | UGS | 206 | - | - | - | - |
| 10 | (B-5-3)25dbd-1 | 405254.48 | 4554563.4 | 5/11/10 | 524 | UGS | 224 | <2 | <2 | <2 | <2 |
| 11 | (B-2-1)26bcb-1 | 421811.19 | 4525974.9 | 5/17/10 | 375 | UGS | 654 | - | - | - | - |
| 12 | (B-3-1)4acc-1 | 419450.41 | 4541884.1 | 5/12/10 | 619 | UGS | 204 | - | - | - | - |
| 13 | (B-2-1)14dbc-1 | 422591.02 | 4528477.9 | 5/12/10 | 352 | UGS | 212 | - | - | - | - |
| 14 | (B-3-1)26dbd-1 | 422866.38 | 4535107.9 | 5/17/10 | 283 | UGS | 590 | - | - | - | - |
| 15 | (B-2-1)23dab-1 | 422934.19 | 4527198.8 | 5/17/10 | 250 | UGS | 322 | - | - | - | - |
| 16 | (B-2-1)13aab-2 | 424629.41 | 4529535.2 | 5/12/10 | 396 | UGS | 174 | - | - | - | - |
| 17 | (B-4-2)17abb-1 | 408233.73 | 4549189 | 5/11/10 | 600 | UGS | 246 | - | - | - | - |
| 18 | (B-4-2)7dda-1 | 407303.06 | 4549488.6 | 5/11/10 | 460 | UGS | 220 | - | - | - | - |
| 19 | (B-2-1)23ddd-1 | 423073.08 | 4526670.7 | 5/17/10 | 255 | UGS | 488 | - | - | - | - |
| 20 | (B-5-3)25adc-1 | 405428.98 | 4555106.7 | 5/11/10 | 616 | UGS | 212 | - | - | - | - |
| 21 | (A-2-1)6dad-1 | 426334.61 | 4531773.1 | 1/13/09 | 332 | DDW | 380 | - | - | - | - |
| 22 | (A-3-1)31adc-1 | 426234.53 | 4533842.6 | 1/3/06 | 446 | DDW | 146 | - | - | - | - |
| 23 | (A-2-1)7dca-1 | 426064.63 | 4529982.6 | 1/3/06 | 650 | DDW | 298 | - | <2 | <2 | - |
| 24 | (A-2-1)6aba-1 | 425913.01 | 4532439.5 | 1/13/03 | 593 | DDW | 160 | - | - | - | - |
| 25 | (A-2-1)7dbd-1 | 426099.52 | 4530253.3 | 1/3/06 | 600 | DDW | 212 | - | <2 | <2 | - |
| 26 | (A-2-1)18abb-1 | 425731.05 | 4529489.3 | 4/2/01 | 417 | DDW | 200 | - | <2 | <2 | - |
| 27 | (A-2-1)6acd-1 | 426037.54 | 4532097.8 | 1/13/09 | 365 | DDW | 240 | - | - | - | - |
| 28 | (B-4-1)6ddd-1 | 417044.61 | 4550811.4 | 7/15/99 | 836 | DDW | 326 | - | - | - | - |
| 29 | (B-4-2)1acd-1 | 415039.5 | 4551574.3 | 4/12/94 | 668 | DDW | 354 | - | - | - | - |
| 30 | (B-4-2)12bbc-1 | 413906.71 | 4550518.7 | 8/18/05 | 413 | DDW | 318 | - | - | - | - |
| 31 | (B-4-2)12bdc-1 | 414296.47 | 4549993.5 | 7/17/08 | 774 | DDW | 256 | - | <2 | <2 | <1 |
| 32 | (B-5-1)31dcd-1 | 416576.74 | 4552519.3 | 5/9/07 | 305 | DDW | 330 | - | <2 | <2 | <1 |
| 33 | (B-5-2)26caa-1 | 413034.91 | 4554783.1 | 8/25/99 | 937 | DDW | 304 | - | - | - | - |

[1] See figure A.1. for location description; [2] UGS is Utah Geological Survey, DDW is Utah Division of Drinking Water, USGS is U.S. Geological Survey; - indicates no data; M indicates detected but not quantified; U indicates undetected

***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Well Location[1] | UTM Easting (m) | UTM Northing (m) | Sample Date | Well Depth (Feet) | Data source[2] | Solids, residue @180°C, dissolved (mg/L) | 3-Hydroxy-carbofuran (µg/L) | Aldicarb sulfone (µg/L) | Aldicarb sulfoxide (µg/L) | Aldicarb (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | (A-3-1)18ccb-1 | 425110.61 | 4538025 | 11/20/00 | 223 | DDW | 200 | <2 | <2 | <2 | <1 |
| 35 | (A-3-1)19cda-1 | 425598.64 | 4536456.7 | 11/20/00 | 300 | DDW | 220 | <2 | <2 | <2 | <1 |
| 36 | (A-3-1)30aad-1 | 426475.66 | 4535683.6 | 3/8/05 | 302 | DDW | 94 | <2 | <2 | <2 | <1 |
| 37 | (A-3-1)30caa-1 | 425640.12 | 4535308.8 | 3/8/05 | 320 | DDW | 86 | <2 | <2 | <2 | <1 |
| 38 | (A-3-1)19cda-2 | 425605.37 | 4536506.4 | 7/10/07 | 517 | DDW | 320 | - | <2 | <2 | <1 |
| 39 | (A-2-1)31cdd-1 | 425660.41 | 4523231.5 | 9/18/97 | 284 | DDW | 488 | - | - | - | - |
| 40 | (A-2-1)31cdd-2 | 425608.57 | 4523281.3 | 12/11/00 | 273 | DDW | 524 | <0.3 | <1 | <1 | <1 |
| 41 | (A-2-1)31cdd-3 | 425605.74 | 4523234.7 | 12/11/00 | 500 | DDW | 524 | <0.3 | <1 | <1 | <1 |
| 42 | (A-1-1)6acb-1 | 425852.35 | 4522652.6 | 12/11/00 | 405 | DDW | 642 | <0.3 | <1 | <1 | <1 |
| 43 | (A-1-1)6abd-1 | 425921.06 | 4522871.5 | 3/16/06 | 410 | DDW | 796 | <2 | <1 | <1 | <1 |
| 44 | (A-2-1)31ddc-1 | 426219.85 | 4523348 | 3/16/06 | 480 | DDW | 780 | - | - | - | - |
| 45 | (B-5-1)27dcc-1 | 421283.45 | 4553886.3 | 5/7/04 | 350 | DDW | 392 | - | - | - | - |
| 46 | (B-5-2)26daa-1 | 413795.37 | 4554723.6 | 8/5/96 | 920 | DDW | 278 | - | <0.4 | <0.4 | <0.1 |
| 47 | (B-4-2)10daa-2 | 412175.77 | 4549947 | 12/29/91 | 628 | DDW | 304 | - | - | - | - |
| 48 | (B-4-2)14baa-1 | 412912.74 | 4549136.3 | 12/29/91 | 610 | DDW | 256 | - | - | - | - |
| 49 | (B-4-2)14baa-2 | 412907.84 | 4549140.7 | 1/30/09 | 1005 | DDW | 238 | - | <2 | <2 | <1 |
| 50 | (B-2-1)25daa-1 | 424728.45 | 4525510.7 | 3/17/09 | 810 | DDW | 432 | - | <2 | <2 | <1 |
| 51 | (A-2-1)30ddb-1 | 426191.02 | 4525133.8 | 11/29/07 | 620 | DDW | 774 | - | - | - | - |
| 52 | (B-3-1)13dca-1 | 424448.28 | 4538113.6 | 4/7/97 | 705 | DDW | 286 | - | - | - | - |
| 53 | (A-2-1)20dab-1 | 427825.95 | 4527027.3 | 2/5/02 | 610 | DDW | 290 | <2 | <2 | <2 | <1 |
| 54 | (B-2-1)24bda-1 | 424059.06 | 4527567.6 | 2/15/94 | 690 | DDW | 340 | - | - | - | - |
| 55 | (B-2-1)24aaa-1 | 424722.01 | 4527990.9 | 7/31/09 | 600 | DDW | 430 | - | - | - | - |
| 56 | (A-2-1)17ccc-1 | 426510.12 | 4528055.3 | 6/12/07 | 500 | DDW | 726 | - | - | - | - |
| 57 | (A-2-1)30acd-1 | 426021.54 | 4525679.7 | 12/18/95 | 514 | DDW | 582 | - | - | - | - |
| 58 | (A-2-1)32ccb-1 | 426592.94 | 4523578.4 | 6/12/07 | 396 | DDW | 808 | - | - | - | - |
| 59 | (A-2-1)28bca-1 | 428338.37 | 4525901.8 | 6/12/07 | 560 | DDW | 268 | - | - | - | - |
| 62 | (B-1-1)10aac-1 | 421248.43 | 4521255.3 | 7/31/84 | 231 | usgs | 1660 | - | - | - | - |
| 68 | (B-2-1)34add-2 | 421512.43 | 4524058.9 | 6/30/78 | 410 | usgs | 1680 | - | - | - | - |
| 69 | (B-2-1)26cdd-3 | 422434.19 | 4524881.8 | 1/25/62 | 425 | usgs | 1780 | - | - | - | - |
| 70 | (B-2-1)26cda-3 | 422577.23 | 4525127 | 8/17/84 | 250 | usgs | 616 | - | - | - | - |
| 71 | (B-2-1)26cda-5 | 422391.27 | 4525252.3 | 8/17/84 | 305 | usgs | 616 | - | - | - | - |
| 72 | (B-2-1)26aad-1 | 423150.88 | 4526262.1 | 8/17/84 | 250 | usgs | 582 | - | - | - | - |
| 73 | (B-2-1)26abb-2 | 422590.16 | 4526360.4 | 8/21/68 | 273 | usgs | 373 | - | - | - | - |

[1] See figure A.1. for location description; [2] UGS is Utah Geological Survey, DDW is Utah Division of Drinking Water, USGS is U.S. Geological Survey; - indicates no data; M indicates detected but not quantified; U indicates undetected

***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Well Location[1] | UTM Easting (m) | UTM Northing (m) | Sample Date | Well Depth (Feet) | Data source[2] | Solids, residue @180°C, dissolved (mg/L) | 3-Hydroxy-carbofuran (µg/L) | Aldicarb sulfone (µg/L) | Aldicarb sulfoxide (µg/L) | Aldicarb (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | (A-2-1)20ddb-1 | 427761.45 | 4526739.7 | 8/4/98 | 591 | usgs | 290 | - | - | - | <0.55 |
| 75 | (B-2-1)23add-1 | 423185.83 | 4527371.9 | 8/17/84 | 322 | usgs | 307 | - | - | - | - |
| 76 | (B-2-1)24bad-3 | 423938.78 | 4527765 | 8/1/79 | 386 | usgs | 292 | - | - | - | - |
| 77 | (B-2-1)23aaa-1 | 423192.26 | 4527988.6 | 8/20/68 | 322 | usgs | 396 | - | - | - | - |
| 78 | (B-2-1)15dda-1 | 421627.2 | 4528251.8 | 11/12/68 | 450 | usgs | 349 | - | - | - | - |
| 79 | (A-2-1)18abb-2 | 425781.87 | 4529534.9 | 7/11/61 | 563 | usgs | 205 | - | - | - | - |
| 80 | (B-2-1)13aab-1 | 424682.4 | 4529546 | 8/31/84 | 264 | usgs | 237 | - | - | - | - |
| 81 | (A-2-1)7aba-4 | 425772.77 | 4530953.6 | 8/28/07 | 450 | usgs | 136 | - | - | - | - |
| 82 | (A-3-1)31cda-3 | 425653.68 | 4533176.4 | 10/14/98 | 160 | usgs | 234 | - | - | - | <0.55 |
| 83 | (B-3-1)35aba-1 | 422792.8 | 4534530.7 | 11/28/60 | 1220 | usgs | 752 | - | - | - | - |
| 84 | (B-3-1)25dab-1 | 424670.88 | 4535282.2 | 8/31/84 | 265 | usgs | 712 | - | - | - | - |
| 85 | \-3-1)30bdd-1 P′ | 425743.31 | 4535501.7 | 8/23/10 | 228 | usgs | 757 | - | - | - | <0.12 |
| 86 | (B-3-1)27ada-1 | 421728.6 | 4535590.5 | 12/11/68 | 850 | usgs | 354 | - | - | - | - |
| 87 | (B-3-1)24bca-1 | 423638.21 | 4537143.2 | 11/9/60 | 176 | usgs | 434 | - | - | - | - |
| 88 | (B-3-1)14cdd-1 | 422360.08 | 4537835.1 | 8/1/72 | 94 | usgs | 520 | - | - | - | - |
| 89 | (B-3-1)15acd-1 | 421317.14 | 4538648 | 9/11/69 | 260 | usgs | 349 | - | - | - | - |
| 90 | (B-3-1)15bac-1 | 420481.37 | 4539150.4 | 8/4/81 | 985 | usgs | 254 | - | - | - | - |
| 91 | (B-3-1)12ccd-1 | 422984.1 | 4539401.4 | 8/16/84 | 1005 | usgs | 251 | - | - | - | - |
| 92 | (B-3-1)4cdb-4 | 419010.3 | 4541356.2 | 8/20/68 | 657 | usgs | 222 | - | - | - | - |
| 93 | (B-3-1)5dda-1 | 418473.47 | 4541393 | 8/31/84 | 908 | usgs | 199 | - | - | - | - |
| 94 | (B-3-1)5ddb-3 | 418286.97 | 4541425.9 | 8/31/84 | 655 | usgs | 195 | - | - | - | - |
| 95 | (B-3-1)4bca-2 | 418668.51 | 4542131 | 8/6/84 | 250 | usgs | 208 | - | - | - | - |
| 96 | (B-4-2)25dad-1 | 415312.56 | 4544790.4 | 8/20/68 | 465 | usgs | 157 | - | - | - | - |
| 97 | (B-4-2)27aba-1 | 411708.96 | 4546066.5 | 7/21/10 | 304 | usgs | 399 | - | - | - | - |
| 98 | (B-4-2)20cca-1 | 407509.54 | 4546272.5 | 11/18/68 | 595 | usgs | 241 | - | - | - | - |
| 99 | (B-4-2)20ada-1 | 408919.56 | 4547025.9 | 8/15/84 | 600 | usgs | 210 | - | - | - | - |
| 100 | (B-4-1)18ddc-1 | 416663.67 | 4547537.1 | 9/23/98 | 585 | usgs | 179 | - | - | - | <0.55 |
| 101 | (B-4-1)16bdd-1 | 419390.94 | 4548352.8 | 8/9/84 | 568 | usgs | 145 | - | - | - | - |
| 102 | (B-4-1)8dcd-1 | 418209.21 | 4549106.1 | 8/22/84 | 707 | usgs | 219 | - | - | - | - |
| 103 | (B-4-2)7dcc-1 | 406590.76 | 4549275.9 | 8/28/68 | 400 | usgs | 252 | - | - | - | - |
| 104 | (B-4-2)7ccc-1 | 405914.96 | 4549346.2 | 5/14/69 | 190 | usgs | 264 | - | - | - | - |
| 105 | (B-4-1)10bbb-1 | 420324.45 | 4550501.5 | 9/8/61 | 1205 | usgs | 227 | - | - | - | - |
| 106 | (B-4-2)7bad-1 | 406538.91 | 4550695.3 | 8/15/84 | 1005 | usgs | 253 | - | - | - | - |

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***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Well Location[1] | UTM Easting (m) | UTM Northing (m) | Sample Date | Well Depth (Feet) | Data source[2] | Solids, residue @180°C, dissolved (mg/L) | 3-Hydroxy-carbofuran (µg/L) | Aldicarb sulfone (µg/L) | Aldicarb sulfoxide (µg/L) | Aldicarb (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 107 | (B-4-2)12bbb-1 | 413864.11 | 4550667.2 | 8/28/68 | 774 | usgs | 297 | - | - | - | - |
| 108 | (B-4-1)7baa-1 | 416220.4 | 4550670.7 | 12/4/61 | 902 | usgs | 273 | - | - | - | - |
| 109 | (B-4-1)3ccd-1 | 420561.06 | 4550807.3 | 8/9/84 | 1005 | usgs | 276 | - | - | - | - |
| 110 | (B-4-1)6adc-1 | 416792.15 | 4551712.7 | 9/19/84 | 805 | usgs | 322 | - | - | - | - |
| 111 | (B-4-1)3aad-1 | 421867.28 | 4552015.1 | 9/24/98 | 544 | usgs | 340 | - | - | - | <0.55 |
| 112 | (B-4-2)6baa-2 | 406537.68 | 4552422.5 | 11/14/68 | 609 | usgs | 250 | - | - | - | - |
| 113 | (B-5-2)32ddd-1 | 408870.13 | 4552423.9 | 1/5/61 | 871 | usgs | 236 | - | - | - | - |
| 114 | (B-5-3)36ddd-2 | 405747.15 | 4552617.7 | 8/4/81 | 303 | usgs | 211 | - | - | - | - |
| 115 | (B-5-1)33cda-1 | 419344.54 | 4552609.4 | 7/23/69 | 730 | usgs | 347 | - | - | - | - |
| 116 | (B-5-3)36dad-2 | 405796.97 | 4552863.8 | 5/5/69 | 785 | usgs | 228 | - | - | - | - |
| 117 | (B-5-3)36ada-1 | 405688.34 | 4553482 | 8/30/68 | 460 | usgs | 222 | - | - | - | - |
| 118 | (B-5-1)35aaa-1 | 423320.55 | 4553676.8 | 8/9/84 | 230 | usgs | 269 | - | - | - | - |
| 119 | (B-5-1)33baa-2 | 419496.68 | 4553718 | 4/28/64 | 1187 | usgs | 246 | - | - | - | - |
| 120 | (B-5-3)25dcd-1 | 405370.28 | 4554133.9 | 8/15/84 | 520 | usgs | 221 | - | - | - | - |
| 121 | (B-5-2)28dba-2 | 410064.65 | 4554722.3 | 8/4/81 | 93 | usgs | 642 | - | - | - | - |
| 122 | (B-5-1)30add-1 | 417037.76 | 4554855.8 | 7/31/69 | 900 | usgs | 333 | - | - | - | - |
| 123 | (B-5-1)29bdc-1 | 417621.62 | 4554941.7 | 8/27/08 | 627 | usgs | 312 | - | - | - | - |
| 124 | (B-5-3)25adc-2 | 405429.7 | 4555120.1 | 5/14/69 | 616 | usgs | 240 | - | - | - | - |
| 125 | (B-5-1)29bdb-3 | 417645.97 | 4555033.9 | 9/19/84 | 800 | usgs | 310 | - | - | - | - |
| 126 | (B-5-1)30ada-1 | 417063.87 | 4555102.2 | 8/10/92 | 900 | usgs | 324 | - | - | - | - |
| 127 | (B-5-1)30ada-2 | 417063.66 | 4555102.2 | 8/27/08 | 964 | usgs | 317 | - | - | - | - |
| 129 | (B-5-2)22dcd-1 | 411870.93 | 4555625.6 | 6/25/84 | 850 | usgs | 267 | - | - | - | - |
| 130 | (B-5-2)21ddd-1 | 410542.25 | 4555641.7 | 8/15/84 | 110 | usgs | 613 | - | - | - | - |
| 131 | (B-5-1)20ddd-2 | 418701.54 | 4555608.1 | 7/17/89 | 1000 | usgs | 242 | - | - | - | - |

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***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Alpha, gross (pCi/L) | Aluminum, dissolved (µg/L) | Ammonia (mg/L) | Arsenic, dissolved (µg/L) | Boron (mg/L) | Barium, dissolved (µg/L) | Bicarbon-ate (mg/L) | Cadmium, dissolved (µg/L) | Calcium, dissolved (mg/L) | Carbaryl (µg/L) | Carbofuran (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | - | <10 | <0.05 | 2.53 | | 338 | 244 | <0.1 | <2.0 | - | - |
| 2 | - | <10 | <0.05 | <1.0 | <30.0 | <100 | 163 | <0.1 | 58.7 | - | - |
| 3 | 1.1 | <10 | 0.447 | 2.42 | <30.0 | 112 | 244 | <0.1 | 65.9 | - | - |
| 4 | - | <10 | <0.05 | <1.0 | 32.8 | <100 | 190 | <0.1 | 60 | - | - |
| 5 | - | <10 | 2.67 | 29.9 | 106 | <100 | 456 | <0.1 | 29.3 | - | - |
| 6 | - | <10 | <0.05 | 1.47 | <30.0 | 194 | 140 | <0.1 | 37.6 | U | U |
| 7 | - | <10 | 0.191 | 1.64 | <30.0 | 232 | 170 | <0.1 | 40.2 | - | - |
| 8 | - | <10 | 0.314 | 1.29 | 32.3 | <100 | 163 | <0.1 | 13.5 | - | - |
| 9 | - | <10 | 1.46 | 16 | 74.8 | 166 | 182 | <0.1 | 24.9 | - | - |
| 10 | 2.4 | <10 | <0.05 | 1.48 | <30.0 | 219 | 200 | <0.1 | 49.6 | U | U |
| 11 | - | <10 | <0.05 | 1.37 | 200 | <100 | 163 | <0.1 | 29.4 | - | - |
| 12 | - | <10 | 1.04 | <1.0 | 54.5 | 196 | 188 | <0.1 | 31.6 | - | - |
| 13 | - | <10 | 0.336 | 1.83 | 34.7 | <100 | 191 | <0.1 | 21.9 | - | - |
| 14 | - | <10 | 10.6 | 31.1 | 164 | 340 | 584 | <0.1 | 66 | - | - |
| 15 | - | <10 | 0.083 | 4.59 | 43.1 | <100 | 258 | <0.1 | 54.1 | - | - |
| 16 | - | <10 | 0.152 | <1.0 | 39.7 | <100 | 147 | <0.1 | 10.2 | - | - |
| 17 | - | <10 | <0.05 | 2.79 | 38.6 | 404 | 246 | <0.1 | 57.6 | - | - |
| 18 | - | <10 | 0.167 | 1.25 | 39.6 | 255 | 236 | <0.1 | 52.1 | - | - |
| 19 | - | <10 | <0.05 | <1.0 | 47.6 | <100 | 310 | <0.1 | 88.4 | - | - |
| 20 | - | <10 | <0.05 | 2.14 | - | 197 | 194 | <0.1 | 48.1 | - | - |
| 21 | 8.3 | - | - | <0.5 | - | 40 | - | <0.5 | - | - | - |
| 22 | - | - | - | 0.5 | - | 20 | - | <1 | - | - | - |
| 23 | 3 | - | - | <0.5 | <50 | 30 | 190 | <1 | 55 | - | - |
| 24 | 31 | - | - | 1.2 | - | 20 | - | <1 | - | - | - |
| 25 | 1.9 | - | - | <0.5 | - | 30 | - | <1 | - | - | - |
| 26 | 70 | - | - | 1 | <50 | 10 | 140 | <1 | 11 | - | - |
| 27 | 10.6 | - | - | <0.5 | - | 21 | - | <0.5 | - | - | - |
| 28 | - | - | - | <1 | - | 230 | - | <1 | - | - | - |
| 29 | - | - | - | <5 | - | 290 | - | <1 | - | - | - |
| 30 | - | - | - | 12.2 | - | 200 | - | <1 | - | - | - |
| 31 | - | - | - | 1.2 | - | 221 | - | <0.5 | - | - | <2 |
| 32 | - | - | - | 0.7 | - | 245 | - | <0.5 | - | - | <2 |
| 33 | - | - | - | <5 | - | 280 | - | <1 | - | - | - |

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***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Alpha, gross (pCi/L) | Aluminum, dissolved (µg/L) | Ammonia (mg/L) | Arsenic, dissolved (µg/L) | Boron (mg/L) | Barium, dissolved (µg/L) | Bicarbon-ate (mg/L) | Cadmium, dissolved (µg/L) | Calcium, dissolved (mg/L) | Carbaryl (µg/L) | Carbofuran (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | - | - | - | 0.6 | - | 20 | - | <1 | - | <2 | <2 |
| 35 | - | - | - | 0.5 | - | 30 | - | <1 | - | <2 | <2 |
| 36 | - | - | - | <0.5 | - | 10 | - | <1 | - | <2 | <2 |
| 37 | - | - | - | <0.5 | - | 10 | - | <1 | - | <2 | <2 |
| 38 | 11.8 | - | - | <0.5 | <0.05 | 25 | 170 | <0.5 | - | - | <2 |
| 39 | - | - | - | <5 | - | 120 | - | <1 | - | - | - |
| 40 | - | - | - | 1.5 | - | 100 | 274 | <1 | - | <2 | <2 |
| 41 | - | - | - | 1.5 | - | 100 | 236 | <1 | - | <2 | <2 |
| 42 | - | - | - | 1.3 | - | 100 | - | <1 | - | <2 | <2 |
| 43 | <2 | - | - | 1.31 | - | 226 | - | <0.5 | - | <2 | <2 |
| 44 | - | - | - | <1 | - | 160 | - | <1 | - | - | - |
| 45 | 2 | - | - | <1 | - | 200 | - | <1 | - | - | - |
| 46 | <2 | - | - | <5 | - | 260 | - | <1 | - | - | <0.7 |
| 47 | <2 | - | - | <5 | - | 230 | - | <1 | 67 | - | - |
| 48 | <2 | - | - | <5 | - | 310 | - | <1 | 49 | - | - |
| 49 |  | - | - | 1 | - | 290 | - | <0.5 | - | - | <2 |
| 50 | 8.3 | - | - | <0.5 | - | 63 | - | <0.5 | - | - | <2 |
| 51 | 15.2 | - | - | 1.1 | - | 104 | - | <0.5 | - | - | - |
| 52 | - | - | - | <5 | - | 130 | - | <1 | - | - | - |
| 53 | 6 | - | - | <0.5 | <50 | 120 | 180 | <1 | 50 | <2 | <2 |
| 54 | - | - | - | <50 | - | 30 | - | <5 | - | - | - |
| 55 | - | - | - | <0.5 | - | 36 | 198 | <0.5 | 61.1 | - | <2 |
| 56 | - | - | - | <0.5 | - | 106 | - | <0.5 | - | - | - |
| 57 | - | - | - | <5 | - | 90 | - | <1 | - | - | - |
| 58 | - | - | - | <0.5 | - | 189 | - | <0.5 | - | - | - |
| 59 | - | - | - | <0.5 | - | <5 | - | <0.5 | - | - | - |
| 62 | - | - | - | - | - | - | - | - | 48 | - | - |
| 68 | - | - | - | - | 350 | - | 130 | - | 160 | - | - |
| 69 | - | - | - | - | 280 | - | 158 | - | 181 | - | - |
| 70 | - | - | - | - | 170 | - | - | - | 36 | - | - |
| 71 | - | - | - | - | 170 | - | - | - | 36 | - | - |
| 72 | - | - | - | - | 50 | - | - | - | 87 | - | - |
| 73 | - | - | - | - | - | - | 218 | - | 18 | - | - |

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***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Alpha, gross (pCi/L) | Aluminum, dissolved (µg/L) | Ammonia (mg/L) | Arsenic, dissolved (µg/L) | Boron (mg/L) | Barium, dissolved (µg/L) | Bicarbon-ate (mg/L) | Cadmium, dissolved (µg/L) | Calcium, dissolved (mg/L) | Carbaryl (µg/L) | Carbofuran (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | - | - | 0.04 | - | - | - | - | - | 47.7 | - | <0.003 |
| 75 | - | - | - | - | 710 | - | - | - | 23 | - | - |
| 76 | - | - | - | - | - | - | - | - | - | - | - |
| 77 | - | - | - | - | 10 | - | 225 | - | 63 | - | - |
| 78 | - | - | - | - | - | - | 45 | - | 3.2 | - | - |
| 79 | - | - | - | - | 40 | - | 143 | - | 6 | - | - |
| 80 | - | - | - | - | 40 | - | - | - | 9.7 | - | - |
| 81 | - | - | - | 0.18 | - | - | - | - | 10.6 | - | - |
| 82 | - | - | 0.11 | - | - | - | - | - | 5.51 | <0.003 | <0.003 |
| 83 | - | - | - | - | - | - | 79 | - | 26 | - | - |
| 84 | - | - | - | - | 150 | - | - | - | 60 | - | - |
| 85 | - | <3.4 | - | 0.14 | 65 | 121 | - | 0.03 | 145 | - | - |
| 86 | - | - | - | - | - | - | 301 | - | 20 | - | - |
| 87 | - | - | - | - | - | - | 380 | - | 30 | - | - |
| 88 | - | - | - | - | 160 | - | 496 | - | 38 | - | - |
| 89 | - | - | - | - | - | - | 320 | - | 36 | - | - |
| 90 | - | - | - | - | 50 | - | - | - | 29 | - | - |
| 91 | - | - | - | - | 240 | - | - | - | 25 | - | - |
| 92 | - | - | - | - | - | - | 192 | - | 27 | - | - |
| 93 | - | - | - | - | 30 | - | - | - | 28 | - | - |
| 94 | - | - | - | - | 50 | - | - | - | 28 | - | - |
| 95 | - | - | - | - | 40 | - | - | - | 35 | - | - |
| 96 | - | - | - | - | - | - | 146 | - | 32 | - | - |
| 97 | - | - | - | 23.2 | - | - |  | - | 11.7 | - | - |
| 98 | - | - | - | - | - | - | 211 | - | 34 | - | - |
| 99 | - | - | - | - | 40 | - | - | - | 42 | - | - |
| 100 | - | - | <0.02 | - | - | - | - | - | 35 | <0.003 | <0.003 |
| 101 | - | - | - | - | 10 | - | - | - | 30 | - | - |
| 102 | - | - | - | - | 20 | - | - | - | 49 | - | - |
| 103 | - | - | - | - | - | - | 234 | - | 42 | - | - |
| 104 | - | - | - | - | 110 | - | 256 | - | 33 | - | - |
| 105 | - | - | - | - | 30 | - | 183 | - | 43 | - | - |
| 106 | - | - | - | - | 80 | - |  | - | 50 | - | - |

[1] See figure A.1. for location description; [2] UGS is Utah Geological Survey, DDW is Utah Division of Drinking Water, USGS is U.S. Geological Survey; - indicates no data; M indicates detected but not quantified; U indicates undetected

***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Alpha, gross (pCi/L) | Aluminum, dissolved (µg/L) | Ammonia (mg/L) | Arsenic, dissolved (µg/L) | Boron (mg/L) | Barium, dissolved (µg/L) | Bicarbon-ate (mg/L) | Cadmium, dissolved (µg/L) | Calcium, dissolved (mg/L) | Carbaryl (µg/L) | Carbofuran (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 107 | - | - | - | - | - | - | 280 | - | 58 | - | - |
| 108 | - | - | - | - | 0 | - | 252 | - | 56 | - | - |
| 109 | - | - | - | - | 20 | - | - | - | 62 | - | - |
| 110 | - | - | - | - | 100 | - | - | - | 50 | - | - |
| 111 | | | 3.12 | - | - | - | - | - | 40 | <0.003 | <0.003 |
| 112 | - | - | - | - | 40 | - | 227 | - | 51 | - | - |
| 113 | - | - | - | - | - | - | 215 | - | 48 | - | - |
| 114 | - | - | - | - | - | - | - | - | - | - | - |
| 115 | - | - | - | - | - | - | 348 | - | 60 | - | - |
| 116 | - | - | - | - | 50 | - | 202 | - | 40 | - | - |
| 117 | - | - | - | - | 50 | - | 218 | - | 38 | - | - |
| 118 | - | - | - | - | 40 | - | - | - | 61 | - | - |
| 119 | - | - | - | - | - | - | 187 | - | 52 | - | - |
| 120 | - | - | - | - | 40 | - | - | - | 36 | - | - |
| 121 | - | - | - | - | - | - | - | - | - | - | - |
| 122 | - | - | - | - | - | - | 304 | - | 75 | - | - |
| 123 | - | - | - | 0.78 | - | - | | - | 64.8 | - | - |
| 124 | - | - | - | - | 50 | - | 203 | - | 45 | - | - |
| 125 | - | - | - | - | 40 | - | - | - | 70 | - | - |
| 126 | - | - | - | - | 40 | - | - | - | 73 | - | - |
| 127 | - | - | - | 1.7 | - | - | - | - | 69.7 | - | - |
| 129 | - | - | - | - | - | - | - | - | 60 | - | - |
| 130 | - | - | - | - | 50 | - | - | - | 47 | - | - |
| 131 | 4.5 | - | - | 1 | - | 220 | - | <1 | 67 | - | - |

[1] See figure A.1. for location description; [2] UGS is Utah Geological Survey, DDW is Utah Division of Drinking Water, USGS is U.S. Geological Survey; - indicates no data; M indicates detected but not quantified; U indicates undetected

***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Carbon dioxide (mg/L) | Carbonate (mg/L) | Carbonate Solids (mg/L) | Chloride (mg/L) | Chromium, dissolved (µg/L) | Copper, dissolved (µg/L) | Field Temper-ature, (°C) | Field, Specific Conduct-ance (µS/cm) | Field, Dissolved Oxygen | Hydroxide (mg/L) | Iron, dissolved (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8 | 0 | 120 | 17 | <2.0 | <1.0 | 15.4 | 452 | 3.06 | 0 | 486 |
| 2 | 19 | 0 | 80 | 67.1 | <2.0 | 3.6 | 12.66 | 549 | 4.83 | 0 | <20.0 |
| 3 | 12 | 0 | 120 | 28.7 | <2.0 | <1.0 | 13.32 | 534 | 0.21 | 0 | 844 |
| 4 | 15 | 0 | 93 | 53.6 | <2.0 | <1.0 | 13.86 | 591 | 0.9 | 0 | <20.0 |
| 5 | 8 | 0 | 224 | 130 | <2.0 | 25.6 | 11.02 | 1182 | 2.88 | 0 | 48.9 |
| 6 | 3 | 0 | 69 | 10.4 | <2.0 | <1.0 | 11.05 | 290 | 0.262 | 0 | 430 |
| 7 | 4 | 0 | 84 | 11.2 | <2.0 | <1.0 | 10.7 | 309 | 0.66 | 0 | <20.0 |
| 8 | 7 | 0 | 80 | 20.6 | <2.0 | <1.0 | 21.26 | 350 | 3.81 | 0 | 945 |
| 9 | 4 | 0 | 90 | 16.9 | <2.0 | <1.0 | 17.03 | 357 | 2.82 | 0 | 150 |
| 10 | 6 | 0 | 98 | 14.2 | <2.0 | 1 | 9.86 | 320 | 0.31 | 0 | <20.0 |
| 11 | 7 | 0 | 80 | 286 | <2.0 | <1.0 | 18.36 | 1266 | 4.92 | 0 | <20.0 |
| 12 | 5 | 0 | 92 | 15.7 | <2.0 | <1.0 | 11.61 | 350 | 0.67 | 0 | 31.1 |
| 13 | 9 | 0 | 94 | 22.8 | <2.0 | <1.0 | 17.4 | 345 | 4.33 | 0 | 260 |
| 14 | 55 | 0 | 287 | 77 | <2.0 | <1.0 | 14.71 | 1090 | 0.17 | 0 | 3370 |
| 15 | 15 | 0 | 127 | 46.2 | <2.0 | 1.04 | 12.54 | 615 | 2.03 | 0 | <20.0 |
| 16 | 2 | 0 | 73 | 24.7 | <2.0 | <1.0 | 13.48 | 313 | 0.18 | 0 | 276 |
| 17 | 6 | 0 | 121 | 16.9 | <2.0 | <1.0 | 12.78 | 452 | 2.37 | 0 | <20.0 |
| 18 | 4 | 0 | 116 | 19.7 | <2.0 | <1.0 | 11.97 | 434 | 3.9 | 0 | 478 |
| 19 | 20 | 0 | 153 | 85.1 | <2.0 | <1.0 | 12.31 | 857 | 2.84 | 0 | 79.6 |
| 20 | 4 | 0 | 95 | 14.3 | <2.0 | <1.0 | 14.61 | 390 | 1.43 | 0 | <20.0 |
| 21 | | - | - | - | 6.2 | - | - | - | - | - | - |
| 22 | | - | - | - | <5 | - | - | - | - | - | - |
| 23 | 150 | - | - | 59 | <5 | 10 | - | 574 | - | - | <20 |
| 24 | | - | - | - | <5 | - | - | - | - | - | - |
| 25 | | - | - | - | <5 | - | - | - | - | - | - |
| 26 | 110 | - | - | 16 | <5 | <10 | - | 290 | - | - | 50 |
| 27 | - | - | - | - | 6 | | - | - | - | - | - |
| 28 | - | - | - | - | <5 | 12 | - | - | - | - | - |
| 29 | - | - | - | - | <5 | 84 | - | - | - | - | - |
| 30 | - | - | - | - | <5 | - | - | - | - | - | - |
| 31 | - | - | - | - | 3.7 | - | - | - | - | - | - |
| 32 | - | - | - | - | 0.3 | - | - | - | - | - | - |
| 33 | - | - | - | - | <5 | - | - | - | - | - | - |

[1] See figure A.1. for location description; [2] UGS is Utah Geological Survey, DDW is Utah Division of Drinking Water, USGS is U.S. Geological Survey; - indicates no data; M indicates detected but not quantified; U indicates undetected

***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Carbon dioxide (mg/L) | Carbonate (mg/L) | Carbonate Solids (mg/L) | Chloride (mg/L) | Chromium, dissolved (µg/L) | Copper, dissolved (µg/L) | Field Temper-ature, (°C) | Field, Specific Conduct-ance (µS/cm) | Field, Dissolved Oxygen | Hydroxide (mg/L) | Iron, dissolved (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | - | - | - | - | <5 | - | - | - | - | - | - |
| 35 | - | - | - | - | <5 | - | - | - | - | - | - |
| 36 | - | - | - | - | <0.5 | - | - | - | - | - | - |
| 37 | - | - | - | - | <0.5 | - | - | - | - | - | - |
| 38 | 140 | - | - | 69 | <5 | <0.005 | - | 527 | - | - | 30 |
| 39 | - | - | - | - | <5 | - | - | - | - | - | - |
| 40 | - | - | - | - | 6.4 | <12 | - | - | - | - | - |
| 41 | - | - | - | - | 6.4 | <12 | - | - | - | - | - |
| 42 | - | - | - | - | 5.7 | <12 | - | - | - | - | - |
| 43 | - | - | - | - | <5 | - | - | - | - | - | - |
| 44 | - | - | - | - | <5 | <12 | - | - | - | - | - |
| 45 | - | - | - | - | 5.7 | <12 | - | - | - | - | - |
| 46 | - | - | - | - | <5 | 40 | - | - | - | - | - |
| 47 | 5 | - | - | 14 | <5 | <20 | - | 520 | - | - | 40 |
| 48 | 4 | - | - | 11 | <5 | <20 | - | 433 | - | - | 690 |
| 49 | - | - | - | - | <5 | - | - | - | - | - | - |
| 50 | - | - | - | - | 1.4 | - | - | - | - | - | - |
| 51 | - | - | - | - | 0.01 | - | - | - | - | - | - |
| 52 | - | - | - | - | <5 | <12 | - | - | - | - | - |
| 53 | 140 | - | - | 41 | <5 | <10 | - | 530 | - | - | 110 |
| 54 | - | - | - | - | <10 | <10 | - | - | - | - | |
| 55 | | - | - | 77 | <5 | 0.0012 | - | - | - | - | 650 |
| 56 | - | - | - | - | <5 | - | - | - | - | - | - |
| 57 | - | - | - | - | <5 | <12 | - | - | - | - | - |
| 58 | - | - | - | - | <5 | - | - | - | - | - | - |
| 59 | - | - | - | - | 2.21 | - | - | - | - | - | - |
| 62 | 18 | - | - | 750 | - | 1 | 16 | 2860 | 0.3 | - | 770 |
| 68 | 8.3 | 0 | - | 950 | - | - | 19.5 | 3000 | - | - | <10 |
| 69 | 10 | 0 | - | 985 | - | - | 16.5 | 3190 | - | - | |
| 70 | 5.9 | - | - | 250 | - | - | 18 | 1160 | - | - | M |
| 71 | 5.9 | - | - | 250 | - | - | 18 | 1160 | - | - | 9 |
| 72 | 17 | - | - | 86 | - | - | 13.5 | 940 | - | - | 20 |
| 73 | 2.8 | 0 | - | 72 | - | - | 19 | 620 | - | - | |

[1] See figure A.1. for location description; [2] UGS is Utah Geological Survey, DDW is Utah Division of Drinking Water, USGS is U.S. Geological Survey; - indicates no data; M indicates detected but not quantified; U indicates undetected

***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Carbon dioxide (mg/L) | Carbonate (mg/L) | Carbonate Solids (mg/L) | Chloride (mg/L) | Chromium, dissolved (µg/L) | Copper, dissolved (µg/L) | Field Temper-ature, (°C) | Field, Specific Conduct-ance (µS/cm) | Field, Dissolved Oxygen | Hydroxide (mg/L) | Iron, dissolved (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | 4.4 | - | - | 30 | - | - | 17.5 | 474 | 0.3 | - | 223 |
| 75 | 6.7 | - | - | 34 | - | - | 17.5 | 520 | - | - | M |
| 76 | - | - | - | | - | - | 16.5 | 490 | - | - | - |
| 77 | 3.6 | 0 | - | 55 | - | - | 14 | 650 | - | - | - |
| 78 | 0.1 | 50 | - | 138 | - | - | 13 | 660 | - | - | - |
| 79 | 0.9 | 5 | - | 21 | - | - | | 335 | - | - | - |
| 80 | 3.1 | - | - | 26 | - | - | 16 | 400 | - | - | 1100 |
| 81 | 4 | - | - | 14.2 | - | - | 17.7 | 225 | - | - | 191 |
| 82 | 2.8 | - | - | 26 | - | - | 17 | 399 | 0.1 | - | 294 |
| 83 | 3.2 | 0 | - | 370 | - | - | 29 | 1390 | - | - | - |
| 84 | 15 | - | - | 310 | - | - | 16 | 1360 | - | - | 2000 |
| 85 | - | - | - | 180 | 0.67 | 2.9 | 15.2 | 1350 | 7.2 | - | 9 |
| 86 | 7.6 | 0 | - | 40 | - | - | 21 | 570 | - | - | - |
| 87 | 3 | 8 | - | 48 | - | - | 12 | 710 | - | - | - |
| 88 | 50 | 0 | - | 48 | - | - | 13.5 | 880 | - | - | - |
| 89 | 20 | 0 | - | 33 | - | - | 16 | 570 | - | - | - |
| 90 | 2.2 | - | - | 17 | - | - | 20.5 | 320 | - | - | 640 |
| 91 | 13 | - | - | 20 | - | - | 12 | 440 | - | - | 1300 |
| 92 | 4.8 | 0 | - | 23 | - | - | 20 | 370 | - | - | - |
| 93 | 5.4 | - | - | 14 | - | - | 18 | 305 | - | - | 520 |
| 94 | 3.4 | - | - | 17 | - | - | 18.5 | 365 | - | - | 100 |
| 95 | 6.2 | - | - | 15 | - | - | 16.5 | 365 | - | - | 130 |
| 96 | 4.6 | 0 | - | 12 | - | - | 14 | 260 | - | - | - |
| 97 | 6.5 | - | - | 42.9 | - | - | 16.6 | 622 | - | - | 370 |
| 98 | 5.3 | 0 | - | 19 | - | - | 15 | 375 | - | - | - |
| 99 | 3.2 | - | - | 12 | - | - | 16.5 | 360 | - | - | 110 |
| 100 | 4.1 | - | - | 11.8 | - | - | 14 | 294 | 1.6 | - | <10 |
| 101 | - | - | - | 9.8 | - | - | - | - | - | - | M |
| 102 | 6.1 | - | - | 13 | - | - | 14 | 370 | - | - | 10 |
| 103 | 3.7 | 0 | - | 24 | - | - | 15 | 410 | - | - | |
| 104 | 4.1 | 0 | - | 24 | - | - | 14 | 440 | - | - | |
| 105 | 2.3 | 0 | - | 23 | - | - | 15 | 375 | - | - | |
| 106 | 4.9 | - | - | 18 | - | - | 15.5 | 460 | - | - | 110 |

[1] See figure A.1. for location description; [2] UGS is Utah Geological Survey, DDW is Utah Division of Drinking Water, USGS is U.S. Geological Survey; - indicates no data; M indicates detected but not quantified; U indicates undetected

***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Carbon dioxide (mg/L) | Carbonate (mg/L) | Carbonate Solids (mg/L) | Chloride (mg/L) | Chromium, dissolved (µg/L) | Copper, dissolved (µg/L) | Field Temper-ature, (°C) | Field, Specific Conduct-ance (µS/cm) | Field, Dissolved Oxygen | Hydroxide (mg/L) | Iron, dissolved (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 107 | 4.4 | 0 | - | 22 | - | - | 14 | 510 | - | - | |
| 108 | - | 2 | - | 19 | - | - | - | 490 | - | - | |
| 109 | - | - | - | 20 | - | - | - | | - | - | M |
| 110 | 10 | - | - | 24 | - | - | 12.5 | 565 | - | - | 1900 |
| 111 | 26 | - | - | 29.8 | - | - | 15 | 601 | 0.8 | - | 2410 |
| 112 | 2.9 | 0 | - | 20 | - | - | 15 | 425 | - | - | - |
| 113 | 5.4 | 0 | - | 18 | - | - | 15 | 405 | - | - | - |
| 114 | - | - | - | | - | - | 18.5 | 365 | - | - | - |
| 115 | 11 | 0 | - | 26 | - | - | 19 | 590 | - | - | - |
| 116 | 3.2 | 0 | - | 18 | - | - | 17 | 370 | - | - | - |
| 117 | 3.5 | 0 | - | 18 | - | - | 14 | 380 | - | - | - |
| 118 | - | - | - | 24 | - | - | - | - | - | - | M |
| 119 | 1.2 | 9 | - | 18 | - | - | - | 440 | - | - | - |
| 120 | 5.5 | - | - | 14 | - | - | 16 | 390 | - | - | 80 |
| 121 | - | - | - | | - | - | 15.5 | 1110 | - | - | - |
| 122 | 7.7 | 0 | - | 20 | - | - | 15 | 560 | - | - | - |
| 123 | 18 | - | - | 20.8 | - | - | 10.9 | 531 | - | - | 12 |
| 124 | 3.2 | 0 | - | 18 | - | - | 16 | 390 | - | - | - |
| 125 | 18 | - | - | 20 | - | - | 11 | 575 | - | - | 10 |
| 126 | 30 | - | - | 25 | - | - | 14 | 550 | - | - | 17 |
| 127 | - | - | - | 20.1 | - | - | - | - | - | - | 352 |
| 129 | 9.6 | - | - | 13 | - | - | 18 | 380 | - | - | 10 |
| 130 | 17 | - | - | 85 | - | - | 14.5 | 1000 | - | - | 420 |
| 131 | 12 | - | - | 22 | <2 | <10 | 15 | 560 | - | - | 9 |

[1] See figure A.1. for location description; [2] UGS is Utah Geological Survey, DDW is Utah Division of Drinking Water, USGS is U.S. Geological Survey; - indicates no data; M indicates detected but not quantified; U indicates undetected

***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Lab, Specific Conduct-ance (µmhos) | Lead, dissolved (µg/L) | Magnesium, dissolved (mg/L) | Manganese, dissolved (µg/L) | Mercury, dissolved (µg/L) | Methomyl (µg/L) | Nickel (mg/L) | Nitrate as N (mg/L) | Nitrogen NO2 + NO3 dissolved (mg/L) | Oxamyl (µg/L) | pH, Field | pH, Lab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 450 | 0.253 | 17.1 | 53 | 0.219 | - | - | - | <0.1 | - | 7.8 | 7.69 |
| 2 | 552 | 0.329 | 19.4 | <5.0 | <0.2 | - | <5.0 | - | 2.03 | - | 6.88 | 7.13 |
| 3 | 527 | <0.1 | 18.9 | 382 | <0.2 | - | <5.0 | - | <0.1 | - | 7.59 | 7.5 |
| 4 | 590 | 0.113 | 20.6 | <5.0 | <0.2 | - | <5.0 | - | 1.84 | - | 7.05 | 7.3 |
| 5 | 1040 | 0.377 | 13.6 | 46.1 | <0.2 | - | - | - | <0.1 | - | 7.91 | 7.96 |
| 6 | 258 | 0.214 | 8.55 | 65.1 | <0.2 | U | - | - | <0.1 | U | 8.26 | 7.93 |
| 7 | 298 | 0.227 | 9 | 106 | <0.2 | - | - | - | <0.1 | - | 8.43 | 7.89 |
| 8 | 339 | <0.1 | 2.63 | 41.5 | <0.2 | - | <5.0 | - | <0.1 | - | 8.33 | 7.55 |
| 9 | 356 | 0.217 | 5.45 | 41 | <0.2 | - | - | - | <0.1 | - | 8.15 | 7.83 |
| 10 | 388 | 0.285 | 14 | <5.0 | 0.202 | U | - | - | <0.1 | U | 7.7 | 7.73 |
| 11 | 1261 | <0.1 | 8.45 | <5.0 | <0.2 | - | <5.0 | - | 0.161 | - | 7.91 | 7.56 |
| 12 | 349 | 0.217 | 10.3 | 45.3 | <0.2 | - | - | - | <0.1 | - | 8.48 | 7.77 |
| 13 | 381 | <0.1 | 4.14 | 40.6 | <0.2 | - | <5.0 | - | <0.1 | - | 8.45 | 7.54 |
| 14 | 1063 | <0.1 | 22.1 | 313 | <0.2 | - | <5.0 | - | <0.1 | - | 7.14 | 7.23 |
| 15 | 623 | 0.17 | 13.8 | 81.8 | <0.2 | - | <5.0 | - | 0.684 | - | 7.61 | 7.43 |
| 16 | 323 | <0.1 | 2.51 | 34.9 | <0.2 | - | <5.0 | - | <0.1 | - | 8.55 | 8.08 |
| 17 | 449 | 0.278 | 17.3 | <5.0 | <0.2 | - | - | - | 0.103 | - | 7.6 | 7.8 |
| 18 | 429 | 0.203 | 16 | 60.4 | <0.2 | - | - | - | <0.1 | - | 8.31 | 7.98 |
| 19 | 851 | <0.1 | 28.4 | 33.1 | <0.2 | - | <5.0 | - | 4.05 | - | 7.39 | 7.39 |
| 20 | 389 | 0.261 | 14.1 | 30.9 | <0.2 | - | - | - | 0.185 | - | 7.68 | 7.88 |
| 21 | - | - | - | - | <0.2 | - | 0.0043 | 3 | - | - | - | - |
| 22 | - | - | - | - | 0.2 | - | <0.01 | 0.6 | - | - | - | - |
| 23 | - | 6 | 19 | <10 | 0.3 | <1 | <0.01 | 2.9 | 2.9 | - | - | - |
| 24 | - | - | - | - | <0.2 | - | <0.01 | 0.5 | - | - | - | - |
| 25 | - | - | - | - | 0.3 | - | <0.01 | 1.9 | - | - | - | - |
| 26 | - | <5 | 2 | <10 | <0.2 | <0.5 | <0.01 | 0.8 | 0.8 | - | - | - |
| 27 | - | - | - | - | <0.2 | - | 0.0025 | 1.7 | - | - | - | - |
| 28 | - | <3 | - | - | <0.2 | - | <0.01 | 1.2 | - | - | - | - |
| 29 | - | 16 | - | - | <0.2 | - | <0.01 | 0.11 | 0.11 | - | - | - |
| 30 | - | - | - | - | <0.2 | - | <0.01 | - | - | - | - | - |
| 31 | - | - | - | - | <0.2 | - | 0.003 | 0.5 | - | <2 | - | - |
| 32 | - | - | - | - | <0.2 | - | 0.0027 | 1.3 | - | <2 | - | - |
| 33 | - | - | - | - | 0.3 | - | <0.01 | 1.7 | 1.7 | | - | - |

[1] See figure A.1. for location description; [2] UGS is Utah Geological Survey, DDW is Utah Division of Drinking Water, USGS is U.S. Geological Survey; - indicates no data; M indicates detected but not quantified; U indicates undetected

***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Lab, Specific Conduct-ance (µmhos) | Lead, dissolved (µg/L) | Magnesium, dissolved (mg/L) | Manganese, dissolved (µg/L) | Mercury, dissolved (µg/L) | Methomyl (µg/L) | Nickel (mg/L) | Nitrate as N (mg/L) | Nitrogen NO2 + NO3 dissolved (mg/L) | Oxamyl (µg/L) | pH, Field | pH, Lab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | - | - | - | - | <0.2 | <0.5 | <0.01 | - | - | <2 | - | - |
| 35 | - | - | - | - | <0.2 | <0.5 | <0.01 | - | - | <2 | - | - |
| 36 | - | - | - | - | <0.2 | <1 | <0.01 | 0.2 | - | <2 | - | - |
| 37 | - | - | - | - | <0.2 | <1 | <0.01 | 0.2 | - | <2 | - | - |
| 38 | - | <0.5 | 14.4 | 0.081 | 1.8 | - | <0.01 | 0.7 | 0.7 | <2 | - | 6.96 |
| 39 | - | - | - | - | <0.2 | - | <0.01 | - | - | - | - | - |
| 40 | - | <3 | - | <5 | <0.2 | <1 | <0.01 | 3.8 | - | <2 | - | - |
| 41 | - | <3 | - | 26 | <0.2 | <1 | <0.01 | 3.8 | - | <2 | - | - |
| 42 | - | <3 | - | - | <0.2 | <1 | <0.01 | 2.4 | - | <2 | - | - |
| 43 | - |  | - | - | <0.2 | <1 | <0.01 | 3.92 | - | <2 | - | - |
| 44 | - | <3 | - | - | <0.2 | - | <0.01 | 3.41 | - | - | - | - |
| 45 | - | <3 | - | - | <0.2 | - | <0.01 | 1.49 | - | - | - | - |
| 46 | - | 3.1 | - | - | <0.2 | - | <0.01 | 1.63 | - | <0.4 | - | - |
| 47 | - | <5 | 18 | - | <0.2 | - | - | 1.2 | 1.2 | - | - | 7.8 |
| 48 | - | <5 | 13 | - | <0.2 | - | - | 0.64 | 0.64 | - | - | 7.9 |
| 49 | - | - | - | - | <0.2 | - | <0.01 | 0.2 | 0.2 | <2 | - | - |
| 50 | - | - | - | - | <0.2 | - | <0.01 | 3.202 | - | <2 | - | - |
| 51 | - | - | - | - | <0.2 | - | 0.0095 | 3.188 | - | - | - | - |
| 52 | - | <3 | - | - | <0.2 | - | <0.01 | 1.32 | - | - | - | - |
| 53 | - | <5 | 14 | 10 | <0.2 | <1 | <0.01 | - | <0.1 | <2 | - | - |
| 54 | - | <10 | - | - | <0.2 | - | <0.003 | 3.21 | 3.22 | - | - | - |
| 55 | - | 0.5 | 22.9 | 0.921 | <0.2 | - | <0.005 | 3.1 | 3.1 | <2 | - | - |
| 56 | - | - | - | - | <0.2 | - | <0.01 | - | - | - | - | - |
| 57 | - | <3 | - | - | <0.2 | - | <0.010 | - | - | - | - | - |
| 58 | - | - | - | - | <0.2 | - | <0.01 | - | - | - | - | - |
| 59 | - | - | - | - | <0.2 | - | <0.01 | - | - | - | - | - |
| 62 | - | - | 16 | 120 | - | - | - | - | <0.1 | - | 7.6 | 7.7 |
| 68 | - | - | 47 | <10 | - | - | - | - | 0.54 | - | 7.4 | - |
| 69 | - | - | 60 | - | - | - | - | 1.81 |  | - | 7.4 | - |
| 70 | - | - | 11 | M | - | - | - | - | 1.4 | - | 7.7 | 8 |
| 71 | - | - | 11 | 1 | - | - | - | - | 1.4 | - | 7.7 | 8 |
| 72 | - | - | 30 | M | - | - | - | - | 5.8 | - | 7.4 | 7.8 |
| 73 | - | - | 6.3 |  | - | - | - | 1.29 | - | - | 8.1 |  |

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***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Lab, Specific Conduct-ance (µmhos) | Lead, dissolved (µg/L) | Magnesium, dissolved (mg/L) | Manganese, dissolved (µg/L) | Mercury, dissolved (µg/L) | Methomyl (µg/L) | Nickel (mg/L) | Nitrate as N (mg/L) | Nitrogen NO2 + NO3 dissolved (mg/L) | Oxamyl (µg/L) | pH, Field | pH, Lab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | - | - | 12.9 | 7.9 | - | <0.02 | - | - | <0.05 | <0.02 | 7.8 | 7.9 |
| 75 | - | - | 4.7 | M | - | - | - | - | 1.4 | - | 7.7 | 8 |
| 76 | - | - | - | - | - | - | - | - | - | - | - | - |
| 77 | - | - | 21 | - | - | - | - | 2.94 | - | - | 8 | - |
| 78 | - | - | 14 | - | - | - | - | 0.07 | - | - | 9.1 | - |
| 79 | - | - | 2.1 | - | - | - | - | - | - | - | 8.4 | - |
| 80 | - | - | 2.5 | 40 | - | - | - | - | <0.1 | - | 8 | 8.2 |
| 81 | - | - | 5.83 | 49.4 | - | - | - | - | <0.06 | - | 7.6 | 8.1 |
| 82 | - | - | 2.64 | 54.6 | - | <0.02 | - | - | 0.06 | <0.02 | 8 | 8 |
| 83 | - | - | 4.4 | - | - | - | - | 0.27 | - | - | 7.6 | - |
| 84 | - | - | 15 | 250 | - | - | - | - | <0.1 | - | 7.4 | 7.6 |
| 85 | - | 0.23 | 46.4 | 0.6 | - | <0.12 | 0.43 | - | 8.18 | <0.12 | 7 | 7.3 |
| 86 | - | - | 3.9 | - | - | - | - | 0.72 | - | - | 7.8 | - |
| 87 | - | - | 14 | - | - | - | - | 0.07 | - | - | 8.3 | - |
| 88 | - | - | 15 | - | - | - | - | - | 0.88 | - | 7.2 | - |
| 89 | - | - | 18 | - | - | - | - | 0.41 | - | - | 7.4 | - |
| 90 | - | - | 3.6 | 120 | - | - | - | - | 0.8 | - | 8.2 | 7.5 |
| 91 | - | - | 16 | 290 | - | - | - | - | 2.2 | - | 7.4 | 7.8 |
| 92 | - | - | 6.8 |  | - | - | - | 1.45 |  | - | 7.8 |  |
| 93 | - | - | 5.5 | 70 | - | - | - | - | <0.1 | - | 7.7 | 7.9 |
| 94 | - | - | 7.5 | 60 | - | - | - | - | <0.1 | - | 7.9 | 8.1 |
| 95 | - | - | 8.2 | 130 | - | - | - | - | <0.1 | - | 7.7 | 7.7 |
| 96 | - | - | 7.3 | - | - | - | - | 0.02 | - | - | 7.7 | - |
| 97 | - | - | 4.05 | 50.6 | - | - | - | - | <0.04 | - | 7.9 | 7.8 |
| 98 | - | - | 13 | - | - | - | - | 0.93 | - | - | 7.8 | - |
| 99 | - | - | 11 | 70 | - | - | - | - | 0.2 | - | 8 | 8.1 |
| 100 | - | - | 8.17 | <4 | - | <0.02 | - | - | 0.18 | <0.02 | 7.8 | 7.9 |
| 101 | - | - | 6.6 | <1 | - | - | - | - | 0.26 | - | - | 8 |
| 102 | - | - | 11 | M | - | - | - | - | 0.48 | - | 7.7 | 7.8 |
| 103 | - | - | 15 | - | - | - | - | 0.02 | - | - | 8 | - |
| 104 | - | - | 14 | - | - | - | - | 0.05 | - | - | 8 | - |
| 105 | - | - | 9.4 | - | - | - | - | - | - | - | 8.1 | - |
| 106 | - | - | 12 | 110 | - | - | - | - | <0.1 | - | 7.9 | 8.1 |

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***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Lab, Specific Conduct-ance (µmhos) | Lead, dissolved (µg/L) | Magnesium, dissolved (mg/L) | Manganese, dissolved (µg/L) | Mercury, dissolved (µg/L) | Methomyl (µg/L) | Nickel (mg/L) | Nitrate as N (mg/L) | Nitrogen NO2 + NO3 dissolved (mg/L) | Oxamyl (µg/L) | pH, Field | pH, Lab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 107 | - | - | 21 | - | - | - | - | 0.5 | - | - | 8 | - |
| 108 | - | - | 18 | - | - | - | - | - | - | - | - | - |
| 109 | - | - | 15 | M | - | - | - | - | 0.94 | - | - | 7.7 |
| 110 | - | - | 17 | 240 | - | - | - | - | <0.1 | - | 7.7 | 7.8 |
| 111 | - | - | 23.8 | 133 | - | <0.02 | - | 1.44 | 1.46 | <0.02 | 7.3 | 7.6 |
| 112 | - | - | 14 | - | - | - | - | 0.09 | - | - | 8.1 | - |
| 113 | - | - | 13 | - | - | - | - | 0.02 | - | - | 7.8 | - |
| 114 | - | - | - | - | - | - | - | - | - | - | - | - |
| 115 | - | - | 22 | - | - | - | - | 0.18 | - | - | 7.7 | - |
| 116 | - | - | 12 | - | - | - | - | 0.09 | - | - | 8 | - |
| 117 | - | - | 14 | - | - | - | - | 0.45 | - | - | 8 | - |
| 118 | - | - | 14 | M | - | - | - | - | 1 | - | - | 7.6 |
| 119 | - | - | 18 | - | - | - | - | - |  | - | 8.4 |  |
| 120 | - | - | 11 | 70 | - | - | - | - | 0.1 | - | 7.8 | 8 |
| 121 | - | - | - | - | - | - | - | - | - | - | - | - |
| 122 | - | - | 21 |  | - | - | - | 0.11 | - | - | 7.8 | - |
| 123 | - | - | 16.4 | 6.1 | - | - | - | - | <0.04 | - | 7.5 | 7.5 |
| 124 | - | - | 14 | - | - | - | - | 0.09 | - | - | 8 | - |
| 125 | - | - | 18 | M | - | - | - | - | 1 | - | 7.4 | 7.7 |
| 126 | - | - | 18 | 11 | - | - | - | - | 1 | - | 7.2 | 8 |
| 127 | - | - | 17.6 | 285 | - | - | - | - | <0.04 | - |  | 7.6 |
| 129 | - | - | 15 | M | - | - | - | - | 1 | - | 7.6 | 8.2 |
| 130 | - | - | 44 | 40 | - | - | - | - | <0.1 | - | 7.7 | 7.7 |
| 131 | - | <10 | 16 | <1 | - | - | <10 | - | - | - | 7.5 | 7.9 |

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***Appendix A.*** *Water-quality data for the basin-fill aquifer, east shore area, Davis County, Utah.*

| SITE ID | Phosphate, total (mg/L) | Potassium, dissolved (mg/L) | Selenium, dissolved (µg/L) | Silver, dissolved (µg/L) | Sodium, dissolved (mg/L) | Sulfate (mg/L) | Total Alkalinity (mg/L) | Total Hardness (mg/L) | Total Suspended Solids (mg/L) | Turbidity, (NTU) | Zinc, dissolved (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.062 | 2.36 | <1.0 | <0.5 | 21.7 | <20.0 | 200 | 202.1 | <4 | 3.76 | <10.0 |
| 2 | 0.539 | 2.68 | <1.0 | <0.5 | 23.4 | 22.3 | 133 | 226.3 | <4 | 0.141 | 65.5 |
| 3 | 0.177 | 4.57 | <1.0 | <0.5 | 18.1 | 22 | 200 | 242.2 | <4 | 6.05 | 16.8 |
| 4 | 0.0543 | 1.67 | 1.15 | <0.5 | 33 | 54.5 | 156 | 234.5 | <4 | 0.986 | <10.0 |
| 5 | 0.144 | 2.96 | <1.0 | <0.5 | 198 | <20.0 | 374 | 129.1 | <4.0 | 2.02 | 22 |
| 6 | 0.05 | 1.41 | <1.0 | <0.5 | 13.9 | <20.0 | 115 | 129 | 16.8 | 15.1 | 11.9 |
| 7 | 0.058 | 1.6 | <1.0 | <0.5 | 14.6 | <20.0 | 140 | 137.3 | <4 | 1.11 | <10.0 |
| 8 | 0.245 | <1 | <1.0 | <0.5 | 59.6 | <20.0 | 134 | 44.5 | <4 | 3.66 | <10.0 |
| 9 | 0.08 | 1.66 | <1.0 | <0.5 | 49.2 | <20.0 | 150 | 84.5 | <4.0 | 0.133 | <10.0 |
| 10 | 0.052 | 1.61 | <1.0 | <0.5 | 16.9 | <20.0 | 164 | 181.4 | <4 | 0.155 | <10.0 |
| 11 | 0.0502 | 2.04 | <1.0 | <0.5 | 204 | <20.0 | 133 | 108.1 | 8.8 | 0.974 | <10.0 |
| 12 | 0.072 | 3.19 | <1.0 | <0.5 | 33.2 | <20.0 | 154 | 121.2 | <4 | 3.19 | <10.0 |
| 13 | 0.181 | <1 | <1.0 | <0.5 | 58.6 | <20.0 | 156 | 71.7 | <4 | 0.392 | <10.0 |
| 14 | 0.654 | 6.39 | <1.0 | <0.5 | 136 | <20.0 | 479 | 255.6 | 148 | 38 | <10.0 |
| 15 | 0.0735 | 1.05 | <1.0 | <0.5 | 63 | 26.5 | 212 | 191.8 | <4 | 0.14 | 25.1 |
| 16 | 0.238 | <1 | <1.0 | <0.5 | 78.7 | <20.0 | 121 | 35.8 | <4 | 0.249 | <10.0 |
| 17 | 0.053 | 2.91 | <1.0 | <0.5 | 19.9 | <20.0 | 202 | 214.9 | <4 | 0.115 | 11 |
| 18 | 0.052 | 2.46 | <1.0 | <0.5 | 22.4 | <20.0 | 194 | 195.8 | <4 | 4.28 | <10.0 |
| 19 | 0.0686 | 2.25 | 1.01 | <0.5 | 47.3 | 50.3 | 254 | 337.4 | <4 | 11.4 | <10.0 |
| 20 | 0.05 | 1.79 | <1.0 | <0.5 | 16.9 | <20.0 | 159 | 178 | <4 | 0.474 | <10.0 |
| 21 | - | - | 1 | - | 27.9 | 26 | - | - | - | 0.3 | - |
| 22 | - | - | 0.5 | - | 26 | 18 | - | - | - | 0.1 | - |
| 23 | - | 3 | 0.5 | <0.5 | 24 | 30 | 1 | 216 | - | 0.1 | 10 |
| 24 | - | - | 0.8 | - | 35 | 18 | - | - | - | - | - |
| 25 | - | - | 0.6 | - | 29 | 24 | - | - | - | 0.1 | - |
| 26 | 0.08 | 1 | 0.7 | <0.5 | 51 | 13 | 110 | 36 | - | 0.6 | <10 |
| 27 | - | - | 1 | - | 25.9 | 26 | - | - | - | 0.05 | - |
| 28 | - | - | <1 | - | 19 | 28 | - | - | - | 1.1 | - |
| 29 | - | - | 1 | - | 23 | 26 | - | - | - | 0.5 | - |
| 30 | - | - | 1.9 | - | 20 | 23 | - | - | - | 1.4 | - |
| 31 | - | - | 1.2 | - | 17.5 | 17 | - | - | - | 0.02 | - |
| 32 | - | - | 0.8 | - | 15.9 | 25 | - | - | - | 0.02 | - |
| 33 | - | - | <2 | - | 16 | 27 | - | - | - | 0.6 | - |

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| SITE ID | Phosphate, total (mg/L) | Potassium, dissolved (mg/L) | Selenium, dissolved (µg/L) | Silver, dissolved (µg/L) | Sodium, dissolved (mg/L) | Sulfate (mg/L) | Total Alkalinity (mg/L) | Total Hardness (mg/L) | Total Suspended Solids (mg/L) | Turbidity, (NTU) | Zinc, dissolved (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | - | - | 2.1 | - | 40 | 24 | - | - | - | 0.7 | - |
| 35 | - | - | 1.8 | - | 21 | 24 | - | - | - | | - |
| 36 | - | - | 1 | - | 16 | 22 | - | - | - | 0.2 | - |
| 37 | - | - | 1 | - | 17 | 22 | - | - | - | 0.1 | - |
| 38 | 0.01 | 3 | 0.7 | <0.5 | 30.7 | 23 | - | 161 | - | 0.1 | <0.01 |
| 39 | - | - | <1 | - | 35 | 41 | - | - | - | 0.1 | - |
| 40 | - | - | <1 | - | 37 | 38 | 225 | - | - | 0.1 | - |
| 41 | - | - | <1 | - | 37 | 38 | 194 | - | - | 0.1 | - |
| 42 | - | - | <1 | - | 47 | 35 | - | - | - | 5.8 | - |
| 43 | - | - | <0.5 | - | 59 | 40 | - | - | - | 1.8 | - |
| 44 | - | - | <1 | - | 73 | 35 | - | - | - | 0.1 | - |
| 45 | - | - | <1 | - | 28 | 26 | - | - | - | 0.1 | - |
| 46 | - | - | <1 | - | 17 | 27 | - | - | - | 0.4 | - |
| 47 | 0.02 | 2 | <5 | <2 | 18 | 28 | - | 241.2 | - | 0.3 | <20 |
| 48 | 0.04 | 3 | <5 | <2 | 26 | 13 | - | 175.7 | - | 2.9 | 20 |
| 49 | - | - | 0.8 | - | 16.3 | 15 | - | - | - | 0.3 | - |
| 50 | - | - | <0.5 | - | 33.4 | 30 | - | - | - | 0.55 | - |
| 51 | - | - | 3.3 | - | 80.2 | 38.396 | - | - | - | 0.15 | - |
| 52 | - | - | <1 | - | 15 | 23 | - | - | - | 0.1 | - |
| 53 | - | 3 | <0.5 | <0.5 | 26 | 49 | 150 | 180 | - | 1.6 | <10 |
| 54 | - | - | <50 | - | 66 | 40 | - | - | - | 0.5 | - |
| 55 | 0.05 | 1.7 | 1.1 | - | 36.9 | 61 | - | - | - | 1.7 | - |
| 56 | - | - | <0.5 | - | 57.7 | 31.2 | - | - | - | - | - |
| 57 | - | - | <1 | - | 50 | 39 | - | - | - | - | - |
| 58 | - | - | <0.5 | - | 74.2 | 35.2 | - | - | - | - | - |
| 59 | - | - | <0.5 | - | 24.9 | 43.4 | - | - | - | 3.05 | - |
| 62 | - | 28 | - | - | 530 | 7.3 | - | 190 | - | - | - |
| 68 | - | 8.2 | - | - | 390 | 37 | - | 590 | - | - | - |
| 69 | - | | - | - | - | 47 | - | 700 | - | - | - |
| 70 | - | 1.8 | - | - | 180 | 26 | - | 140 | - | - | - |
| 71 | - | 1.8 | - | - | 180 | 26 | - | 140 | - | - | - |
| 72 | - | 1.9 | - | - | 74 | 130 | - | 340 | - | - | - |
| 73 | - | | - | - | - | 32 | - | 72 | - | - | - |

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| SITE ID | Phosphate, total (mg/L) | Potassium, dissolved (mg/L) | Selenium, dissolved (µg/L) | Silver, dissolved (µg/L) | Sodium, dissolved (mg/L) | Sulfate (mg/L) | Total Alkalinity (mg/L) | Total Hardness (mg/L) | Total Suspended Solids (mg/L) | Turbidity, (NTU) | Zinc, dissolved (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | - | 3.32 | - | - | 25.5 | 53 | 139 | 170 | - | - | - |
| 75 | - | 0.9 | - | - | 85 | 32 | - | 77 | - | - | - |
| 76 | - | - | - | - | - | - | - | | - | - | - |
| 77 | - | 1.3 | - | - | 41 | 62 | - | 240 | - | - | - |
| 78 | - | - | - | - | | 0.8 | - | 66 | - | - | - |
| 79 | - | 0.8 | - | - | 68 | 16 | - | 24 | - | - | - |
| 80 | - | 0.7 | - | - | 76 | 6 | - | 35 | - | - | - |
| 81 | - | 1.14 | <0.08 | - | 29.2 | 13.9 | - | 51 | - | - | - |
| 82 | - | 1.45 | - | - | 78.7 | 17.9 | 143 | 25 | - | - | - |
| 83 | - | 2.1 | - | - | 250 | 22 | - | 84 | - | - | - |
| 84 | - | 2.2 | - | - | 180 | 3.5 | - | 210 | - | - | - |
| 85 | - | 3.97 | 0.32 | M | 54.9 | 48.3 | 342 | 550 | - | - | 29 |
| 86 | - | - | - | - | - | 2 | - | 66 | - | - | - |
| 87 | - | 1.3 | - | - | 123 | 2.1 | - | 130 | - | - | - |
| 88 | - | 10 | - | - | 130 | 4.1 | - | 160 | - | - | - |
| 89 | - | - | - | - | - | 0.5 | - | 160 | - | - | - |
| 90 | - | 2.2 | - | - | 59 | 1 | - | 87 | - | - | - |
| 91 | - | 9.9 | - | - | 33 | 13 | - | 130 | - | - | - |
| 92 | - | - | - | - | - | 1.2 | - | 96 | - | - | - |
| 93 | - | 2.6 | - | - | 30 | 2.5 | - | 93 | - | - | - |
| 94 | - | 2.5 | - | - | 34 | 0.4 | - | 100 | - | - | - |
| 95 | - | 2.4 | - | - | 28 | 0.9 | - | 120 | - | - | - |
| 96 | - | - | - | - | - | 6.5 | - | 110 | - | - | - |
| 97 | - | 5.34 | - | - | 116 | - | - | 46 | - | - | - |
| 98 | - | - | - | - | - | 1.5 | - | 140 | - | - | - |
| 99 | - | 3.1 | - | - | 19 | 0.8 | - | 150 | - | - | - |
| 100 | - | 1.21 | - | - | 13.9 | 7.39 | 132 | 120 | - | - | - |
| 101 | - | 0.6 | - | - | 12 | 5 | - | 100 | - | - | - |
| 102 | - | 1.3 | - | - | 15 | 16 | - | 170 | - | - | - |
| 103 | - | | - | - | | 2.5 | - | 160 | - | - | - |
| 104 | - | 5.2 | - | - | 44 | 0.8 | - | 140 | - | - | - |
| 105 | - | 1.2 | - | - | 23 | 15 | - | 150 | - | - | - |
| 106 | - | 2.5 | - | - | 27 | 2.3 | - | 170 | - | - | - |

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| SITE ID | Phosphate, total (mg/L) | Potassium, dissolved (mg/L) | Selenium, dissolved (µg/L) | Silver, dissolved (µg/L) | Sodium, dissolved (mg/L) | Sulfate (mg/L) | Total Alkalinity (mg/L) | Total Hardness (mg/L) | Total Suspended Solids (mg/L) | Turbidity, (NTU) | Zinc, dissolved (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 107 | - | | - | - | | 19 | - | 230 | - | - | - |
| 108 | - | 2.3 | - | - | 19 | 18 | - | 210 | - | - | - |
| 109 | - | 1.5 | - | - | 16 | 24 | - | 220 | - | - | - |
| 110 | - | 7.1 | - | - | 44 | 1 | - | 190 | - | - | - |
| 111 | - | 9.58 | - | - | 50.5 | 4.32 | 258 | 200 | - | - | - |
| 112 | - | 1.9 | - | - | 18 | 16 | - | 180 | - | - | - |
| 113 | - | 1.7 | - | - | 19 | 12 | - | 170 | - | - | - |
| 114 | - | - | - | - | - | - | - | - | - | - | - |
| 115 | - | - | - | - | - | 2.2 | - | 240 | - | - | - |
| 116 | - | 2.3 | - | - | 21 | 8.5 | - | 150 | - | - | - |
| 117 | - | 2 | - | - | 24 | 1.2 | - | 150 | - | - | - |
| 118 | - | 1.3 | - | - | 17 | 24 | - | 210 | - | - | - |
| 119 | - | 1.6 | - | - | 16 | 46 | - | 200 | - | - | - |
| 120 | - | 1.6 | - | - | 29 | 0.8 | - | 140 | - | - | - |
| 121 | - | - | - | - | - | - | - | - | - | - | - |
| 122 | - | - | - | - | - | 34 | - | 270 | - | - | - |
| 123 | - | 2.24 | <0.04 | - | 30.5 | 6.96 | - | 230 | - | - | - |
| 124 | - | 1.7 | - | - | 16 | 17 | - | 170 | - | - | - |
| 125 | - | 1.9 | - | - | 17 | 28 | - | 250 | - | - | - |
| 126 | - | 1.8 | - | - | 19 | 26 | - | 260 | - | - | - |
| 127 | - | 2.28 | <0.04 | - | 28.3 | 12.4 | - | 250 | - | - | - |
| 129 | - | 1.9 | - | - | 15 | 25 | - | 210 | - | - | - |
| 130 | - | 20 | - | - | 110 | 2.1 | - | 300 | - | - | - |
| 131 | - | - | <1 | <1 | 18 | 24 | - | 230 | - | - | 18 |

[1] See figure A.1. for location description; [2] UGS is Utah Geological Survey, DDW is Utah Division of Drinking Water, USGS is U.S. Geological Survey; - indicates no data; M indicates detected but not quantified; U indicates undetected

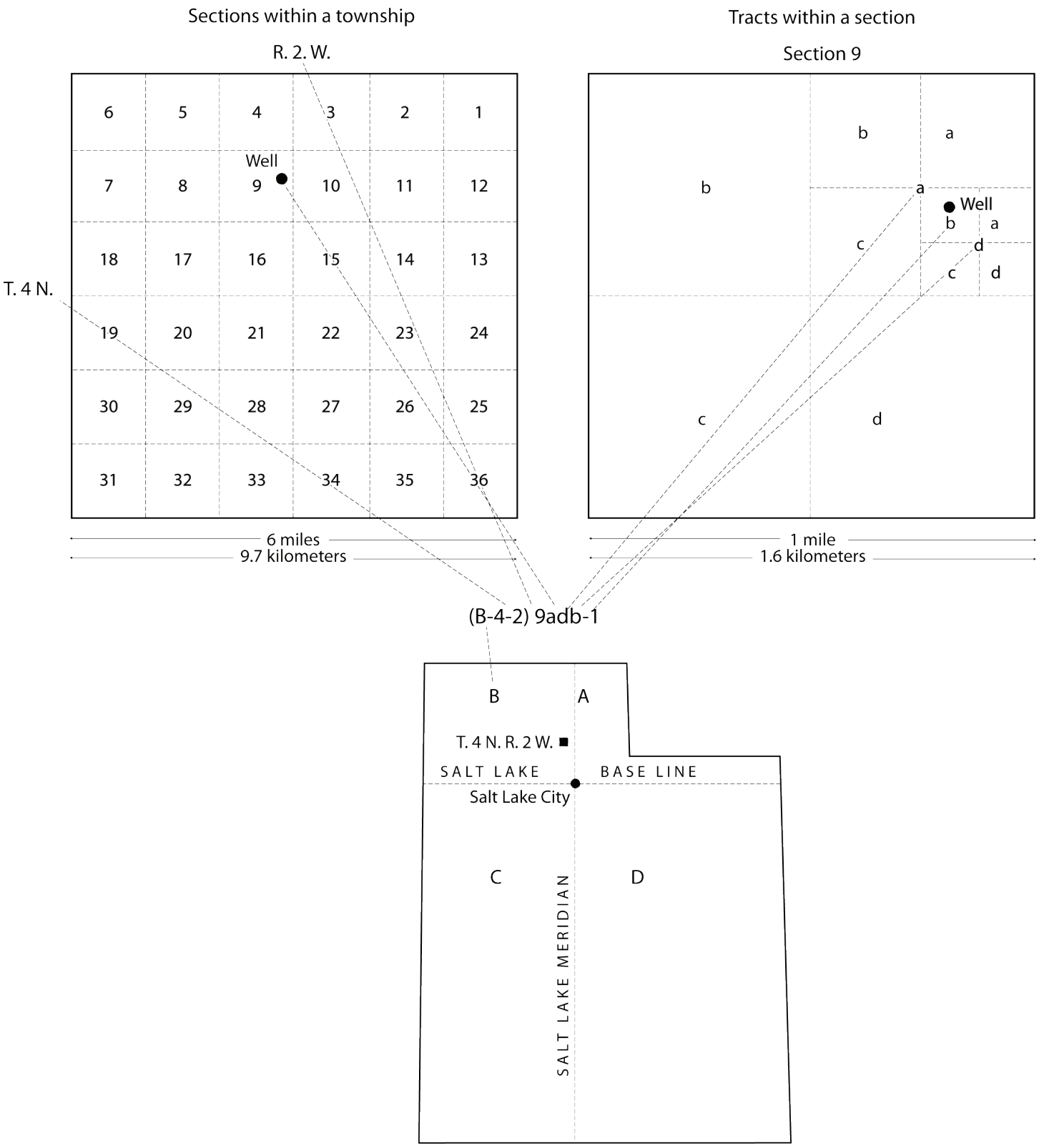


***Figure A1.*** *Numbering system for wells in Utah using USGS cadastral location.*

# APPENDIX B.
# Inventory of Potential Groundwater Contaminants

***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 2 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 3 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 4 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 5 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 6 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 7 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 8 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 9 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 10 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 11 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 12 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 13 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 14 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 15 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 16 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 17 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 18 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 19 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 20 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 21 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 22 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 23 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 24 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 25 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 26 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 27 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 28 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 29 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 30 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 31 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 32 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 33 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 34 | agriculture | pasture | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

2 UDEQ is Utah Department of Environmental Quality, EPA is U.S. Environmental Protection Agency, AGRC is the Utah Automated Geographic Reference Center

***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 35 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 36 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 37 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 38 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 39 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 40 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 41 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 42 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 43 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 44 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 45 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 46 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 47 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 48 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 49 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 50 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 51 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 52 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 53 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 54 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 55 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 56 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 57 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 58 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 59 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 60 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 61 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 62 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 63 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 64 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 65 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 66 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 67 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 68 | agriculture | pasture | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

2 UDEQ is Utah Department of Environmental Quality, EPA is U.S. Environmental Protection Agency, AGRC is the Utah Automated Geographic Reference Center

***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 69 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 70 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 71 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 72 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 73 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 74 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 75 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 76 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 77 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 78 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 79 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 80 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 81 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 82 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 83 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 84 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 85 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 86 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 87 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 88 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 89 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 90 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 91 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 92 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 93 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 94 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 95 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 96 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 97 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 98 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 99 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 100 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 101 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 102 | agriculture | pasture | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

2 UDEQ is Utah Department of Environmental Quality, EPA is U.S. Environmental Protection Agency, AGRC is the Utah Automated Geographic Reference Center

***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 103 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 104 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 105 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 106 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 107 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 108 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 109 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 110 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 111 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 112 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 113 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 114 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 115 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 116 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 117 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 118 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 119 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 120 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 121 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 122 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 123 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 124 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 125 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 126 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 127 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 128 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 129 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 130 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 131 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 132 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 133 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 134 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 135 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 136 | agriculture | pasture | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 137 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 138 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 139 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 140 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 141 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 142 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 143 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 144 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 145 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 146 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 147 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 148 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 149 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 150 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 151 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 152 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 153 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 154 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 155 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 156 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 157 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 158 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 159 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 160 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 161 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 162 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 163 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 164 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 165 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 166 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 167 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 168 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 169 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 170 | agriculture | pasture | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

2 UDEQ is Utah Department of Environmental Quality, EPA is U.S. Environmental Protection Agency, AGRC is the Utah Automated Geographic Reference Center

***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 171 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 172 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 173 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 174 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 175 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 176 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 177 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 178 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 179 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 180 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 181 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 182 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 183 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 184 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 185 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 186 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 187 | wastewater | sewage lagoon | | UDEQ: Water Related Land Use |
| 188 | large lawn | golf course | pesticides, fertilizer | AGRC: LOCATION.Cemeteries |
| 189 | large lawn | golf course | pesticides, fertilizer | AGRC: LOCATION |
| 190 | large lawn | golf course | pesticides, fertilizer | AGRC: LOCATION |
| 191 | large lawn | golf course | pesticides, fertilizer | AGRC: LOCATION.Cemeteries |
| 192 | large lawn | golf course | pesticides, fertilizer | AGRC: LOCATION.Cemeteries |
| 193 | large lawn | golf course | pesticides, fertilizer | AGRC: LOCATION.Cemeteries |
| 194 | large lawn | golf course | pesticides, fertilizer | AGRC: LOCATION.Cemeteries |
| 195 | large lawn | golf course | pesticides, fertilizer | AGRC: LOCATION.Cemeteries |
| 196 | large lawn | golf course | pesticides, fertilizer | AGRC: LOCATION |
| 197 | large lawn | golf course | pesticides, fertilizer | AGRC: LOCATION.Cemeteries |
| 198 | business | airport | solvents, metals, deicer | AGRC: LOCATION.Airports.500K |
| 199 | storage tank | industrial | petroleum products | EPA: UST |
| 200 | storage tank | federal non-military | petroleum products | EPA: UST |
| 201 | storage tank | federal non-military | petroleum products | EPA: UST |
| 202 | storage tank | commercial | petroleum products | EPA: UST |
| 203 | storage tank | commercial | petroleum products | EPA: UST |
| 204 | storage tank | industrial | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 205 | storage tank | industrial | petroleum products | EPA: UST |
| 206 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 207 | storage tank | industrial | petroleum products | EPA: UST |
| 208 | storage tank | gas station | petroleum products | EPA: UST |
| 209 | storage tank | gas station | petroleum products | EPA: UST |
| 210 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 211 | storage tank | gas station | petroleum products | EPA: UST |
| 212 | storage tank | gas station | petroleum products | EPA: UST |
| 213 | storage tank | farm; storage tank | petroleum products | EPA: UST |
| 214 | storage tank | auto dealership | petroleum products | EPA: UST |
| 215 | storage tank | gas station | petroleum products | EPA: UST |
| 216 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 217 | storage tank | local government | petroleum products | EPA: UST |
| 218 | storage tank | local government | petroleum products | EPA: UST |
| 219 | storage tank | local government | petroleum products | EPA: UST |
| 220 | storage tank | local government | petroleum products | EPA: UST |
| 221 | storage tank | gas station | petroleum products | EPA: UST |
| 222 | storage tank | gas station | petroleum products | EPA: UST |
| 223 | storage tank | gas station | petroleum products | EPA: UST |
| 224 | storage tank | gas station | petroleum products | EPA: UST |
| 225 | storage tank | gas station | petroleum products | EPA: UST |
| 226 | storage tank | gas station | petroleum products | EPA: UST |
| 227 | storage tank | gas station | petroleum products | EPA: UST |
| 228 | storage tank | local government | petroleum products | EPA: UST |
| 229 | storage tank | contractor | petroleum products | EPA: UST |
| 230 | storage tank | gas station | petroleum products | EPA: UST |
| 231 | storage tank | commercial | petroleum products | EPA: UST |
| 232 | storage tank | commercial | petroleum products | EPA: UST |
| 233 | storage tank | auto dealership | petroleum products | EPA: UST |
| 234 | storage tank | auto dealership | petroleum products | EPA: UST |
| 235 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 236 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 237 | storage tank | petroleum distributor | petroleum products; cyclohexane | EPA: UST |
| 238 | storage tank | gas station | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 239 | storage tank | gas station | petroleum products | EPA: UST |
| 240 | storage tank | auto dealership | petroleum products | EPA: UST |
| 241 | storage tank | local government | petroleum products | EPA: UST |
| 242 | storage tank | local government | petroleum products | EPA: UST |
| 243 | storage tank | local government | petroleum products | EPA: UST |
| 244 | storage tank | local government | petroleum products | EPA: UST |
| 245 | storage tank | local government | petroleum products | EPA: UST |
| 246 | storage tank | local government | petroleum products | EPA: UST |
| 247 | storage tank | local government | petroleum products | EPA: UST |
| 248 | storage tank | local government | petroleum products | EPA: UST |
| 249 | storage tank | local government | petroleum products | EPA: UST |
| 250 | storage tank | gas station | petroleum products | EPA: UST |
| 251 | storage tank | auto dealership | petroleum products | EPA: UST |
| 252 | storage tank | farm; storage tank | petroleum products | EPA: UST |
| 253 | storage tank | contractor | petroleum products | EPA: UST |
| 254 | storage tank | commercial | petroleum products | EPA: UST |
| 255 | storage tank | contractor | petroleum products | EPA: UST |
| 256 | storage tank | industrial | petroleum products | EPA: UST |
| 257 | storage tank | contractor | petroleum products | EPA: UST |
| 258 | storage tank | industrial | petroleum products | EPA: UST |
| 259 | storage tank | auto dealership | petroleum products | EPA: UST |
| 260 | storage tank | contractor | petroleum products | EPA: UST |
| 261 | storage tank | industrial | petroleum products | EPA: UST |
| 262 | storage tank | gas station | petroleum products | EPA: UST |
| 263 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 264 | storage tank | gas station | petroleum products | EPA: UST |
| 265 | storage tank | gas station | petroleum products | EPA: UST |
| 266 | storage tank | contractor | petroleum products | EPA: UST |
| 267 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 268 | storage tank | commercial | petroleum products | EPA: UST |
| 269 | storage tank | commercial | petroleum products | EPA: UST |
| 270 | storage tank | gas station | petroleum products | EPA: UST |
| 271 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 272 | storage tank | truck/transporter | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 273 | storage tank | auto dealership | petroleum products | EPA: UST |
| 274 | storage tank | gas station | petroleum products | EPA: UST |
| 275 | storage tank | gas station | petroleum products | EPA: UST |
| 276 | storage tank | gas station | petroleum products | EPA: UST |
| 277 | storage tank | former gas station | petroleum products | EPA: UST |
| 278 | storage tank | commercial | petroleum products | EPA: UST |
| 279 | storage tank | industrial | petroleum products | EPA: UST |
| 280 | storage tank | local government | petroleum products | EPA: UST |
| 281 | storage tank | auto dealership | petroleum products | EPA: UST |
| 282 | storage tank | auto dealership | petroleum products | EPA: UST |
| 283 | storage tank | gas station | petroleum products | EPA: UST |
| 284 | storage tank | commercial | petroleum products | EPA: UST |
| 285 | storage tank | commercial | petroleum products | EPA: UST |
| 286 | storage tank | local government | petroleum products | EPA: UST |
| 287 | storage tank | local government | petroleum products | EPA: UST |
| 288 | storage tank | auto dealership | petroleum products | EPA: UST |
| 289 | storage tank | commercial | petroleum products | EPA: UST |
| 290 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 291 | storage tank | contractor | petroleum products | EPA: UST |
| 292 | storage tank | commercial | petroleum products | EPA: UST |
| 293 | storage tank | gas station | petroleum products | EPA: UST |
| 294 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 295 | storage tank | commercial | petroleum products | EPA: UST |
| 296 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 297 | storage tank | commercial | petroleum products | EPA: UST |
| 298 | storage tank | auto dealership | petroleum products | EPA: UST |
| 299 | storage tank | commercial | petroleum products | EPA: UST |
| 300 | storage tank | utilities | petroleum products | EPA: UST |
| 301 | storage tank | utilities | petroleum products | EPA: UST |
| 302 | storage tank | utilities | petroleum products | EPA: UST |
| 303 | storage tank | utilities | petroleum products | EPA: UST |
| 304 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 305 | storage tank | industrial | petroleum products | EPA: UST |
| 306 | storage tank | auto dealership | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 307 | storage tank | contractor | petroleum products | EPA: UST |
| 308 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 309 | storage tank | farm; storage tank | petroleum products | EPA: UST |
| 310 | storage tank | commercial | petroleum products | EPA: UST |
| 311 | storage tank | contractor | petroleum products | EPA: UST |
| 312 | storage tank | commercial | petroleum products | EPA: UST |
| 313 | storage tank | commercial | petroleum products | EPA: UST |
| 314 | storage tank | commercial | petroleum products | EPA: UST |
| 315 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 316 | storage tank | commercial | petroleum products | EPA: UST |
| 317 | storage tank | gas station | petroleum products | EPA: UST |
| 318 | storage tank | gas station | petroleum products | EPA: UST |
| 319 | storage tank | gas station | petroleum products | EPA: UST |
| 320 | storage tank | gas station | petroleum products | EPA: UST |
| 321 | storage tank | gas station | petroleum products | EPA: UST |
| 322 | storage tank | gas station | petroleum products | EPA: UST |
| 323 | storage tank | gas station | petroleum products | EPA: UST |
| 324 | storage tank | gas station | petroleum products | EPA: UST |
| 325 | storage tank | commercial | petroleum products; pesticides, fertilizer | EPA: UST |
| 326 | storage tank | gas station | petroleum products | EPA: UST |
| 327 | storage tank | contractor | petroleum products | EPA: UST |
| 328 | storage tank | gas station | petroleum products | EPA: UST |
| 329 | storage tank | gas station | petroleum products | EPA: UST |
| 330 | storage tank | gas station | petroleum products | EPA: UST |
| 331 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 332 | storage tank | local government | petroleum products | EPA: UST |
| 333 | storage tank | local government | petroleum products | EPA: UST |
| 334 | storage tank | contractor | petroleum products | EPA: UST |
| 335 | storage tank | contractor | petroleum products | EPA: UST |
| 336 | storage tank | gas station | petroleum products | EPA: UST |
| 337 | storage tank | local government | petroleum products | EPA: UST |
| 338 | storage tank | contractor | petroleum products | EPA: UST |
| 339 | storage tank | commercial | petroleum products | EPA: UST |
| 340 | storage tank | commercial | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 341 | storage tank | commercial | petroleum products | EPA: UST |
| 342 | storage tank | gas station | petroleum products | EPA: UST |
| 343 | storage tank | gas station | petroleum products | EPA: UST |
| 344 | storage tank | gas station | petroleum products | EPA: UST |
| 345 | storage tank | gas station | petroleum products | EPA: UST |
| 346 | storage tank | gas station | petroleum products | EPA: UST |
| 347 | storage tank | gas station | petroleum products | EPA: UST |
| 348 | storage tank | gas station | petroleum products | EPA: UST |
| 349 | storage tank | gas station | petroleum products | EPA: UST |
| 350 | storage tank | gas station | petroleum products | EPA: UST |
| 351 | storage tank | gas station | petroleum products | EPA: UST |
| 352 | storage tank | gas station | petroleum products | EPA: UST |
| 353 | storage tank | gas station | petroleum products | EPA: UST |
| 354 | storage tank | gas station | petroleum products | EPA: UST |
| 355 | storage tank | commercial | petroleum products | EPA: UST |
| 356 | storage tank | commercial | petroleum products | EPA: UST |
| 357 | storage tank | gas station | petroleum products | EPA: UST |
| 358 | storage tank | gas station | petroleum products | EPA: UST |
| 359 | storage tank | gas station | petroleum products | EPA: UST |
| 360 | storage tank | gas station | petroleum products | EPA: UST |
| 361 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 362 | storage tank | railroad | petroleum products | EPA: UST |
| 363 | storage tank | railroad | petroleum products | EPA: UST |
| 364 | storage tank | railroad | petroleum products | EPA: UST |
| 365 | storage tank | state government | petroleum products | EPA: UST |
| 366 | storage tank | industrial | petroleum products | EPA: UST |
| 367 | storage tank | gas station | petroleum products | EPA: UST |
| 368 | storage tank | federal military | petroleum products | EPA: UST |
| 369 | storage tank | gas station | petroleum products | EPA: UST |
| 370 | storage tank | local government | petroleum products | EPA: UST |
| 371 | storage tank | auto dealership | petroleum products | EPA: UST |
| 372 | storage tank | commercial | petroleum products | EPA: UST |
| 373 | storage tank | utilities | petroleum products | EPA: UST |
| 374 | storage tank | state government | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

2 UDEQ is Utah Department of Environmental Quality, EPA is U.S. Environmental Protection Agency, AGRC is the Utah Automated Geographic Reference Center

***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 375 | storage tank | state government | petroleum products | EPA: UST |
| 376 | storage tank | auto dealership | petroleum products | EPA: UST |
| 377 | storage tank | gas station | petroleum products | EPA: UST |
| 378 | storage tank | petroleum distributor | petroleum products | EPA: UST |
| 379 | storage tank | auto dealership | petroleum products | EPA: UST |
| 380 | storage tank | gas station | petroleum products | EPA: UST |
| 381 | storage tank | auto dealership | petroleum products | EPA: UST |
| 382 | storage tank | local government | petroleum products | EPA: UST |
| 383 | storage tank | local government | petroleum products | EPA: UST |
| 384 | storage tank | commercial | petroleum products | EPA: UST |
| 385 | storage tank | utilities | petroleum products | EPA: UST |
| 386 | storage tank | utilities | petroleum products | EPA: UST |
| 387 | storage tank | contractor | petroleum products | EPA: UST |
| 388 | storage tank | residential | petroleum products | EPA: UST |
| 389 | storage tank | local government | petroleum products; chlorine | EPA: UST |
| 390 | storage tank | local government | petroleum products | EPA: UST |
| 391 | storage tank | gas station | petroleum products | EPA: UST |
| 392 | storage tank | gas station | petroleum products | EPA: UST |
| 393 | storage tank | gas station | petroleum products | EPA: UST |
| 394 | storage tank | commercial | petroleum products | EPA: UST |
| 395 | storage tank | local government | petroleum products, metals, solvents | EPA: UST |
| 396 | storage tank | gas station | petroleum products | EPA: UST |
| 397 | storage tank | gas station | petroleum products | EPA: UST |
| 398 | storage tank | auto dealership | petroleum products | EPA: UST |
| 399 | storage tank | commercial | petroleum products | EPA: UST |
| 400 | storage tank | gas station | petroleum products | EPA: UST |
| 401 | storage tank | commercial | petroleum products | EPA: UST |
| 402 | storage tank | gas station | petroleum products | EPA: UST |
| 403 | storage tank | industrial | petroleum products | EPA: UST |
| 404 | storage tank | local government | petroleum products | EPA: UST |
| 405 | storage tank | auto dealership | petroleum products | EPA: UST |
| 406 | storage tank | auto dealership | petroleum products | EPA: UST |
| 407 | storage tank | commercial | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

2 UDEQ is Utah Department of Environmental Quality, EPA is U.S. Environmental Protection Agency, AGRC is the Utah Automated Geographic Reference Center

***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 408 | storage tank | industrial | petroleum products; tannin, sodium sulfide, sodium hydroxide, asenic sulfide, chromium sulfate | EPA: UST |
| 409 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 410 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 411 | storage tank | gas station | petroleum products | EPA: UST |
| 412 | storage tank | petroleum distributor | petroleum products | EPA: UST |
| 413 | storage tank | gas station | petroleum products | EPA: UST |
| 414 | storage tank | commercial | petroleum products | EPA: UST |
| 415 | storage tank | local government | petroleum products | EPA: UST |
| 416 | storage tank | state government | petroleum products | EPA: UST |
| 417 | storage tank | contractor | petroleum products | EPA: UST |
| 418 | storage tank | industrial | petroleum products | EPA: UST |
| 419 | storage tank | local government | petroleum products | EPA: UST |
| 420 | storage tank | commercial | petroleum products | EPA: UST |
| 421 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 422 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 423 | storage tank | auto dealership | petroleum products | EPA: UST |
| 424 | storage tank | auto dealership | petroleum products | EPA: UST |
| 425 | storage tank | auto dealership | petroleum products | EPA: UST |
| 426 | storage tank | utilities | petroleum products | EPA: UST |
| 427 | storage tank | commercial | petroleum products | EPA: UST |
| 428 | storage tank | commercial | petroleum products | EPA: UST |
| 429 | storage tank | commercial | petroleum products | EPA: UST |
| 430 | storage tank | commercial | petroleum products | EPA: UST |
| 431 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 432 | storage tank | gas station | petroleum products | EPA: UST |
| 433 | storage tank | commercial | petroleum products | EPA: UST |
| 434 | storage tank | commercial | petroleum products | EPA: UST |
| 435 | storage tank | commercial | petroleum products | EPA: UST |
| 436 | storage tank | gas station | petroleum products | EPA: UST |
| 437 | storage tank | local government | petroleum products | EPA: UST |
| 438 | storage tank | commercial | petroleum products | EPA: UST |
| 439 | storage tank | local government | petroleum products | EPA: UST |
| 440 | storage tank | farm; storage tank | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 441 | storage tank | local government | petroleum products | EPA: UST |
| 442 | storage tank | contractor | petroleum products | EPA: UST |
| 443 | storage tank | commercial | petroleum products | EPA: UST |
| 444 | storage tank | commercial | petroleum products | EPA: UST |
| 445 | storage tank | local government | petroleum products | EPA: UST |
| 446 | storage tank | commercial | petroleum products | EPA: UST |
| 447 | storage tank | gas station | petroleum products | EPA: UST |
| 448 | storage tank | gas station | petroleum products | EPA: UST |
| 449 | storage tank | auto dealership | petroleum products | EPA: UST |
| 450 | storage tank | local government | petroleum products | EPA: UST |
| 451 | storage tank | commercial | petroleum products | EPA: UST |
| 452 | storage tank | industrial | petroleum products | EPA: UST |
| 453 | storage tank | local government | petroleum products | EPA: UST |
| 454 | storage tank | local government | petroleum products | EPA: UST |
| 455 | storage tank | local government | petroleum products | EPA: UST |
| 456 | storage tank | local government | petroleum products | EPA: UST |
| 457 | storage tank | local government | petroleum products | EPA: UST |
| 458 | storage tank | gas station | petroleum products | EPA: UST |
| 459 | storage tank | industrial | petroleum products | EPA: UST |
| 460 | storage tank | federal military | petroleum products | EPA: UST |
| 461 | storage tank | gas station | petroleum products | EPA: UST |
| 462 | storage tank | gas station | petroleum products | EPA: UST |
| 463 | storage tank | railroad | petroleum products | EPA: UST |
| 464 | storage tank | gas station | petroleum products | EPA: UST |
| 465 | storage tank | auto dealership | petroleum products | EPA: UST |
| 466 | storage tank | gas station | petroleum products | EPA: UST |
| 467 | storage tank | gas station | petroleum products | EPA: UST |
| 468 | storage tank | gas station | petroleum products | EPA: UST |
| 469 | storage tank | local government | petroleum products | EPA: UST |
| 470 | storage tank | local government | petroleum products | EPA: UST |
| 471 | storage tank | petroleum distributor | petroleum products | EPA: UST |
| 472 | storage tank | gas station | petroleum products | EPA: UST |
| 473 | storage tank | contractor | petroleum products | EPA: UST |
| 474 | storage tank | contractor | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 475 | storage tank | commercial | petroleum products | EPA: UST |
| 476 | storage tank | commercial | petroleum products | EPA: UST |
| 477 | storage tank | auto dealership | petroleum products | EPA: UST |
| 478 | storage tank | auto dealership | petroleum products | EPA: UST |
| 479 | storage tank | commercial | petroleum products | EPA: UST |
| 480 | storage tank | auto dealership | petroleum products | EPA: UST |
| 481 | storage tank | auto dealership | petroleum products | EPA: UST |
| 482 | storage tank | farm; storage tank | petroleum products | EPA: UST |
| 483 | storage tank | auto dealership | petroleum products | EPA: UST |
| 484 | storage tank | auto dealership | petroleum products | EPA: UST |
| 485 | storage tank | auto dealership | petroleum products | EPA: UST |
| 486 | storage tank | auto dealership | petroleum products | EPA: UST |
| 487 | storage tank | auto dealership | petroleum products | EPA: UST |
| 488 | storage tank | commercial | petroleum products | EPA: UST |
| 489 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 490 | storage tank | auto dealership | petroleum products | EPA: UST |
| 491 | storage tank | auto dealership | petroleum products | EPA: UST |
| 492 | storage tank | farm; storage tank | petroleum products | EPA: UST |
| 493 | storage tank | commercial | petroleum products | EPA: UST |
| 494 | storage tank | farm; storage tank | petroleum products | EPA: UST |
| 495 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 496 | storage tank | commercial | petroleum products | EPA: UST |
| 497 | storage tank | gas station | petroleum products | EPA: UST |
| 498 | storage tank | state government | petroleum products | EPA: UST |
| 499 | storage tank | gas station | petroleum products | EPA: UST |
| 500 | storage tank | local government | petroleum products | EPA: UST |
| 501 | salvage/landfill | local government | petroleum products; leachate | EPA: UST |
| 502 | storage tank | gas station | petroleum products | EPA: UST |
| 503 | storage tank | commercial | petroleum products | EPA: UST |
| 504 | storage tank | commercial | petroleum products | EPA: UST |
| 505 | storage tank | gas station | petroleum products | EPA: UST |
| 506 | storage tank | industrial | petroleum products | EPA: UST |
| 507 | storage tank | local government | petroleum products | EPA: UST |
| 508 | storage tank | gas station | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 509 | storage tank | gas station | petroleum products | EPA: UST |
| 510 | storage tank | auto dealership | petroleum products | EPA: UST |
| 511 | storage tank | commercial | petroleum products | EPA: UST |
| 512 | storage tank | federal military | petroleum products | EPA: UST |
| 513 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 514 | storage tank | auto dealership | petroleum products | EPA: UST |
| 515 | storage tank | gas station | petroleum products | EPA: UST |
| 516 | storage tank | contractor | petroleum products | EPA: UST |
| 517 | storage tank | state government | petroleum products | EPA: UST |
| 518 | storage tank | contractor | petroleum products | EPA: UST |
| 519 | storage tank | local government | petroleum products | EPA: UST |
| 520 | storage tank | local government | petroleum products | EPA: UST |
| 521 | storage tank | local government | petroleum products | EPA: UST |
| 522 | storage tank | local government | petroleum products | EPA: UST |
| 523 | storage tank | local government | petroleum products | EPA: UST |
| 524 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 525 | storage tank | commercial | petroleum products | EPA: UST |
| 526 | storage tank | state government | petroleum products | EPA: UST |
| 527 | storage tank | gas station | petroleum products | EPA: UST |
| 528 | storage tank | state government | petroleum products | EPA: UST |
| 529 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 530 | storage tank | auto dealership | petroleum products | EPA: UST |
| 531 | storage tank | truck/transporter | petroleum products | EPA: UST |
| 532 | storage tank | commercial | petroleum products | EPA: UST |
| 533 | storage tank | commercial | petroleum products | EPA: UST |
| 534 | storage tank | auto dealership | petroleum products | EPA: UST |
| 535 | storage tank | contractor | petroleum products | EPA: UST |
| 536 | storage tank | auto dealership | petroleum products | EPA: UST |
| 537 | storage tank | commercial | petroleum products | EPA: UST |
| 538 | storage tank | auto dealership | petroleum products | EPA: UST |
| 539 | storage tank | gas station | petroleum products | EPA: UST |
| 540 | storage tank | industrial | petroleum products | EPA: UST |
| 541 | storage tank | gas station | petroleum products | EPA: UST |
| 542 | storage tank | gas station | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 543 | storage tank | gas station | petroleum products | EPA: UST |
| 544 | storage tank | gas station | petroleum products | EPA: UST |
| 545 | storage tank | gas station | petroleum products | EPA: UST |
| 546 | storage tank | not listed | petroleum products | EPA: UST |
| 547 | storage tank | commercial | petroleum products | EPA: UST |
| 548 | storage tank | gas station | petroleum products | EPA: UST |
| 549 | storage tank | gas station | petroleum products | EPA: UST |
| 550 | storage tank | commercial | petroleum products | EPA: UST |
| 551 | storage tank | auto dealership | petroleum products | EPA: UST |
| 552 | storage tank | gas station | petroleum products | EPA: UST |
| 553 | storage tank | gas station | petroleum products | EPA: UST |
| 554 | storage tank | federal military | petroleum products | EPA: UST |
| 555 | storage tank | federal military | petroleum products | EPA: UST |
| 556 | storage tank | gas station | petroleum products | EPA: UST |
| 557 | storage tank | auto dealership | petroleum products | EPA: UST |
| 558 | storage tank | gas station | petroleum products | EPA: UST |
| 559 | storage tank | gas station | petroleum products | EPA: UST |
| 560 | storage tank | gas station | petroleum products | EPA: UST |
| 561 | storage tank | gas station | petroleum products | EPA: UST |
| 562 | storage tank | gas station | petroleum products | EPA: UST |
| 563 | storage tank | gas station | petroleum products | EPA: UST |
| 564 | storage tank | gas station | petroleum products | EPA: UST |
| 565 | storage tank | gas station | petroleum products | EPA: UST |
| 566 | storage tank | gas station | petroleum products | EPA: UST |
| 567 | storage tank | gas station | petroleum products | EPA: UST |
| 568 | storage tank | gas station | petroleum products | EPA: UST |
| 569 | storage tank | gas station | petroleum products | EPA: UST |
| 570 | storage tank | gas station | petroleum products | EPA: UST |
| 571 | storage tank | gas station | petroleum products | EPA: UST |
| 572 | storage tank | not listed | petroleum products | EPA: UST |
| 573 | storage tank | gas station | petroleum products | EPA: UST |
| 574 | storage tank | farm; storage tank | petroleum products | EPA: UST |
| 575 | storage tank | industrial | petroleum products | EPA: UST |
| 576 | storage tank | other | petroleum products | EPA: UST |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 577 | storage tank | auto dealership | petroleum products | EPA: UST |
| 578 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 579 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 580 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 581 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 582 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 583 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 584 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 585 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 586 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 587 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 588 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 589 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 590 | mining | gravel pit | metals | AGRC: GEOSCIENCE.Minerals |
| 591 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 592 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 593 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 594 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 595 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 596 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 597 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 598 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 599 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 600 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 601 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 602 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 603 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 604 | large lawn | urban grass/parks | fertilizer, pesticides | AGRC: LOCATION.ParksGNIS |
| 605 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 606 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 607 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 608 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 609 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 610 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 611 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 612 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 613 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 614 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 615 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 616 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 617 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 618 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 619 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 620 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 621 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 622 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 623 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 624 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 625 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 626 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 627 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 628 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 629 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 630 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 631 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 632 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 633 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 634 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 635 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 636 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 637 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 638 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 639 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 640 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 641 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 642 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 644 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 645 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 646 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 647 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 648 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 649 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 650 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 651 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 652 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 653 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 654 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 655 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 656 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 657 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 658 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 659 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 660 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 661 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 662 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 663 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 664 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 665 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 666 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 667 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 668 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 669 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 670 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 671 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 672 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 673 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 674 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 675 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 676 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 677 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 678 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 679 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |

1 Site # corresponds to ID on plates 3a-3c.

2 UDEQ is Utah Department of Environmental Quality, EPA is U.S. Environmental Protection Agency, AGRC is the Utah Automated Geographic Reference Center

***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 680 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 681 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 682 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 683 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 684 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 685 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 686 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 687 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 688 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 689 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 690 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 691 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 692 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 693 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 694 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 695 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 696 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 697 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 698 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 699 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 700 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 701 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 702 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 703 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 704 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 705 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 706 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 707 | large lawn | urban grass/parks | fertilizer, pesticides | UDEQ: Water Related Land Use |
| 708 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 709 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 710 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 711 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 712 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 713 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 714 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 715 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 716 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 717 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 718 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 719 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 720 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 721 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 722 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 723 | large lawn | school field | fertilizer, pesticides; petroleum products | AGRC: LOCATION.SchoolsGNIS |
| 724 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 725 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 726 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 727 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 728 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 729 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 730 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 731 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 732 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 733 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 734 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 735 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 736 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 737 | large lawn | school field | fertilizer, pesticides; petroleum products | AGRC: LOCATION.SchoolsGNIS |
| 738 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 739 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 740 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 741 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 742 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 743 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 744 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 745 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 746 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |
| 747 | large lawn | school field | fertilizer, pesticides | AGRC: LOCATION.SchoolsGNIS |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 748 | medical | hospital | metals, solvents | AGRC: LOCATION.HealthCareFacilities |
| 749 | medical | hospital | metals, solvents; petroleum products | AGRC: LOCATION.HealthCareFacilities |
| 750 | medical | hospital | metals, solvents | AGRC: LOCATION.HealthCareFacilities |
| 751 | medical | clinic | metals, solvents | AGRC: LOCATION.HealthCareFacilities |
| 752 | medical | clinic | metals, solvents | AGRC: LOCATION.HealthCareFacilities |
| 753 | medical | clinic | metals, solvents | AGRC: LOCATION.HealthCareFacilities |
| 754 | medical | clinic | metals, solvents | AGRC: LOCATION.HealthCareFacilities |
| 755 | medical | dialysis center | metals, solvents | AGRC: LOCATION.HealthCareFacilities |
| 756 | business | masonary | lead | UDEQ: TRI |
| 757 | business | oil | benzene | UDEQ: TRI |
| 758 | business | oil | ethylbenzene | UDEQ: TRI |
| 759 | industry | industry | styrene | UDEQ: TRI |
| 760 | industry | industry | nitrate compounds | UDEQ: TRI |
| 761 | business | chemicals | chemicals | UDEQ: TRI |
| 762 | business | oil | ammonia; petroleum products | UDEQ: TRI |
| 763 | industry | industry | manganese | UDEQ: TRI |
| 764 | business | oil | xylene (mixed) | UDEQ: TRI |
| 765 | business | asphalt | benzo[ghi]perylene | UDEQ: TRI |
| 766 | industry | industry | chromium | UDEQ: TRI |
| 767 | industry | industry | lead | UDEQ: TRI |
| 768 | business | asphalt | polycyclic aromatic compounds (pacs) | UDEQ: TRI |
| 769 | industry | industry | polycyclic aromatic compounds (pacs) | UDEQ: TRI |
| 770 | industry | industry | nickel | UDEQ: TRI |
| 771 | business | food | nitric acid | UDEQ: TRI |
| 772 | industry | industry | manganese | UDEQ: TRI |
| 773 | industry | industry | toluene | UDEQ: TRI |
| 774 | industry | industry | hydrochloric acid | UDEQ: TRI |
| 775 | industry | industry | chlorodifluoromethane | UDEQ: TRI |
| 776 | industry | industry | lead compounds | UDEQ: TRI |
| 777 | industry | industry | nitrate compounds | UDEQ: TRI |
| 778 | industry | industry | hexane | UDEQ: TRI |
| 779 | industry | industry | oxygen | UDEQ: TIER2 |
| 780 | industry | industry | carbon dioxide | UDEQ: TIER2 |
| 781 | industry | industry | sulfuric acid | UDEQ: TIER2 |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 782 | industry | industry | fcc catalyst | UDEQ: TIER2 |
| 783 | industry | industry | manganese, tricarbonyl(methyl-pi-cyclopentadienyl)- | UDEQ: TIER2 |
| 784 | industry | industry | cesco bullfrog | UDEQ: TIER2 |
| 785 | industry | industry | sulfuric acid | UDEQ: TIER2 |
| 786 | industry | industry | chlorine | UDEQ: TIER2 |
| 787 | industry | industry | chlorine | UDEQ: TIER2 |
| 788 | industry | industry | chlorine | UDEQ: TIER2 |
| 789 | industry | industry | fs-ii fuel system icing inhibitor | UDEQ: TIER2 |
| 790 | industry | industry | wolman e (ca-b) | UDEQ: TIER2 |
| 791 | industry | industry | thermax (carbon black) | UDEQ: TIER2 |
| 792 | industry | industry | oil, [fuel, 1-d] | UDEQ: TIER2 |
| 793 | industry | industry | ammonia | UDEQ: TIER2 |
| 794 | industry | industry | sulfuric acid | UDEQ: TIER2 |
| 795 | industry | industry | sulfuric acid | UDEQ: TIER2 |
| 796 | industry | industry | lead | UDEQ: TIER2 |
| 797 | industry | industry | calcium chloride | UDEQ: TIER2 |
| 798 | industry | industry | oily water | UDEQ: TIER2 |
| 799 | industry | industry | sulfuric acid | UDEQ: TIER2 |
| 800 | industry | industry | phosphoric acid | UDEQ: TIER2 |
| 801 | industry | industry | sulfuric acid | UDEQ: TIER2 |
| 802 | industry | industry | fire-trol lcg-r | UDEQ: TIER2 |
| 803 | industry | industry | asphalt extender oil | UDEQ: TIER2 |
| 804 | industry | industry | sulfuric acid | UDEQ: TIER2 |
| 805 | industry | industry | sulfuric acid | UDEQ: TIER2 |
| 806 | industry | industry | used oil | UDEQ: TIER2 |
| 807 | industry | industry | sand | UDEQ: TIER2 |
| 808 | industry | industry | sulfuric acid | UDEQ: TIER2 |
| 809 | industry | industry | <null> | UDEQ: TIER2 |
| 810 | industry | industry | <null> | UDEQ: TIER2 |
| 811 | industry | industry | tris(1-chloro-2-propyl) phosphate | UDEQ: TIER2 |
| 812 | industry | industry | nitrogen | UDEQ: TIER2 |
| 813 | business | dry cleaning | solvents | internet search / field check |
| 814 | business | dry cleaning | solvents | internet search / field check |
| 815 | business | dry cleaning | solvents | internet search / field check |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 816 | business | dry cleaning | solvents | internet search / field check |
| 817 | business | dry cleaning | solvents | internet search / field check |
| 818 | business | dry cleaning | solvents | internet search / field check |
| 819 | business | dry cleaning | solvents | internet search / field check |
| 820 | business | dry cleaning | solvents | internet search / field check |
| 821 | business | dry cleaning | solvents | internet search / field check |
| 822 | business | dry cleaning | solvents | internet search / field check |
| 823 | business | dry cleaning | solvents | internet search / field check |
| 824 | business | dry cleaning | solvents | internet search / field check |
| 825 | business | dry cleaning | solvents | internet search / field check |
| 826 | business | dry cleaning | solvents | internet search / field check |
| 827 | business | dry cleaning | solvents | internet search / field check |
| 828 | business | dry cleaning | solvents | internet search / field check |
| 829 | business | dry cleaning | solvents | internet search / field check |
| 830 | business | dry cleaning | solvents | internet search / field check |
| 831 | business | dry cleaning | solvents | internet search / field check |
| 832 | business | dry cleaning | solvents | internet search / field check |
| 833 | business | dry cleaning | solvents | internet search / field check |
| 834 | business | dry cleaning | solvents | internet search / field check |
| 835 | business | dry cleaning | solvents | internet search / field check |
| 836 | business | dry cleaning | solvents | internet search / field check |
| 837 | business | dry cleaning | solvents | internet search / field check |
| 838 | salvage/landfill | salvage yard | petroleum products; metals; solvents | internet search / field check |
| 839 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 840 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 841 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 842 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 843 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 844 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 845 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 846 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 847 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 848 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 849 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 850 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 851 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 852 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 853 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 854 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 855 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 856 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 857 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 858 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 859 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 860 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 861 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 862 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 863 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 864 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 865 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 866 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 867 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 868 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 869 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 870 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 871 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 872 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 873 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 874 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 875 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 876 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 877 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 878 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 879 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 880 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 881 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 882 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 883 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 884 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 885 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 886 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 887 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 888 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 889 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 890 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 891 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 892 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 893 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 894 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 895 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 896 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 897 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 898 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 899 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 900 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 901 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 902 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 903 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 904 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 905 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 906 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 907 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 908 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 909 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 910 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 911 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 912 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 913 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 914 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 915 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 916 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 917 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 918 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 919 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 920 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 921 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 922 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 923 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 924 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 925 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 926 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 927 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 928 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 929 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 930 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 931 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 932 | business | auto parts/sales | petroleum products; metals; solvents | air photos / field check |
| 933 | business | rv parking area | petroleum products; metals; solvents | field observation |
| 934 | business | gas station | petroleum products; metals; solvents | field observation |
| 935 | business | elevator company | metals; solvents | field observation |
| 936 | business | car wash | solvents; petroleum products | field observation |
| 937 | business | truck stop | petroleum products; metals; solvents | field observation |
| 938 | business | masonary | lead | field observation |
| 939 | business | truck/transporter | petroleum products; metals; solvents | field observation |
| 940 | business | sand blasting | models; solvents | field observation |
| 941 | business | welding shop | metals | field observation |
| 942 | industry | industrial park | metals; solvents | field observation |
| 943 | business | truck/transporter | petroleum products | field observation |
| 944 | storage tank | gas station | petroleum products; metals; solvents | field observation |
| 945 | business | truck/transporter | petroleum products; metals; solvents | field observation |
| 946 | business | truck/transporter | petroleum products; metals; solvents | field observation |
| 947 | business | glass company | petroleum products; metals; solvents | field observation |
| 948 | business | construction company | petroleum products; metals; solvents | field observation |
| 949 | business | car wash | petroleum products; metals; solvents | field observation |
| 950 | business | paint shop | petroleum products; metals; solvents | field observation |
| 951 | business | printing press | solvents, dyes, photographic chemicals, misc organics | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 952 | industry | industry | petroleum products; metals; solvents | field observation |
| 953 | business | auto parts/sales | petroleum products; metals; solvents | field observation |
| 954 | business | container manufacturing | petroleum products; metals; solvents | field observation |
| 955 | business | tanning | petroleum products; metals; solvents | field observation |
| 956 | agriculture | field | nitrate, pesticides, fertilizers | field observation |
| 957 | agriculture | field | nitrate, pesticides, fertilizers | field observation |
| 958 | business | truck/transporter | petroleum products; metals; solvents | field observation |
| 959 | business | contractor | petroleum products; metals; solvents | field observation |
| 960 | business | crane supply company | petroleum products; metals; solvents | field observation |
| 961 | business | auto parts/sales | petroleum products; metals; solvents | field observation |
| 962 | agriculture | afo abandoned | fertilizer, manure, nitrate | field observation |
| 963 | agriculture | afo abandoned | fertilizer, manure, nitrate | field observation |
| 964 | agriculture | abandoned lot; house foundation; old corral? | fertilizer, manure, nitrate | field observation |
| 965 | business | airport | petroleum products; metals; solvents | field observation |
| 966 | business | boat repair | petroleum products; metals; solvents | field observation |
| 967 | business | masonary | petroleum products; metals; solvents | field observation |
| 968 | business | auto repair | petroleum products; metals; solvents | field observation |
| 969 | business | auto repair | petroleum products; metals; solvents | field observation |
| 970 | business | auto repair | petroleum products; metals; solvents | field observation |
| 971 | agriculture | large corral; hay barn; 11 horses | fertilizer, manure, nitrate | field observation |
| 972 | agriculture | afo; few cows | fertilizer, manure, nitrate | field observation |
| 973 | agriculture | tree farm | nitrate, pesticides, fertilizers | field observation |
| 974 | agriculture | abandoned farm with silos | fertilizer, manure, nitrate | field observation |
| 975 | agriculture | several horses; farm equipment | fertilizer, manure, nitrate | field observation |
| 976 | agriculture | large field several horses | fertilizer, manure, nitrate | field observation |
| 977 | agriculture | pasture w/several cows | fertilizer, manure, nitrate | field observation |
| 978 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 979 | agriculture | corral w/ animal waste | fertilizer, manure, nitrate | field observation |
| 980 | agriculture | animal corral w/ a few horses | fertilizer, manure, nitrate | field observation |
| 981 | wastewater | sewage treatment plant | metals, petroleum, nitrate, manure | field observation |
| 982 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 983 | wastewater | outhouse | nitrate | field observation |
| 984 | agriculture | farm equipment; abandoned animal feed area | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 985 | salvage/landfill | landfill | leachate; petroleum products; metals solvents | field observation |
| 986 | business | auto parts/sales | petroleum products; metals; solvents | field observation |
| 987 | business | woodchipping service; equipment and trucks | petroleum products; metals; solvents; nitrates | field observation |
| 988 | agriculture | pasture | nitrate | field observation |
| 989 | agriculture | horse area | fertilizer, manure, nitrate | field observation |
| 990 | agriculture | farm; feedlot | fertilizer, manure, nitrate | field observation |
| 991 | business | old transformers | pcb | field observation |
| 992 | business | hardware store | petroleum products; metals; solvents; nitrate; fertilizer | field observation |
| 993 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 994 | business | construction equipment | petroleum products; metals; solvents | field observation |
| 995 | storage tank | gas station | petroleum products; metals; solvents | field observation |
| 996 | business | storage | metals; solvents | field observation |
| 997 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 998 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 999 | business | oil tanks | petroleum products; metals; solvents | field observation |
| 1000 | agriculture | goat corral | fertilizer, manure, nitrate | field observation |
| 1001 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 1002 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 1003 | agriculture | horse corral | fertilizer, manure, nitrate | field observation |
| 1004 | agriculture | animal corral | fertilizer, manure, nitrate | field observation |
| 1005 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1006 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 1007 | agriculture | corral w/barn | fertilizer, manure, nitrate | field observation |
| 1008 | agriculture | universal equestarian center | fertilizer, manure, nitrate | field observation |
| 1009 | agriculture | farm equipment | petroleum products; metals; solvents | field observation |
| 1010 | agriculture | cow feedlot w/ cows; cow manure | fertilizer, manure, nitrate | field observation |
| 1011 | agriculture | cow pasture | fertilizer, manure, nitrate | field observation |
| 1012 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 1013 | agriculture | corrals | fertilizer, manure, nitrate | field observation |
| 1014 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 1015 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1016 | agriculture | farm equipment | petroleum products; metals; solvents | field observation |
| 1017 | agriculture | horse pasture; several horses | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1018 | agriculture | farm equipment and automobiles | petroleum products; metals; solvents | field observation |
| 1019 | business | deisel repair center | petroleum products; metals; solvents | field observation |
| 1020 | agriculture | horse pasture; candlelight farm | fertilizer, manure, nitrate | field observation |
| 1021 | agriculture | farm equipment | fertilizer, manure, nitrate | field observation |
| 1022 | agriculture | greenhouses | nitrate, pesticides, fertilizers | field observation |
| 1023 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 1024 | agriculture | horse pasture; horses and goats | fertilizer, manure, nitrate | field observation |
| 1025 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 1026 | agriculture | farm equipment; cars | petroleum products; metals; solvents | field observation |
| 1027 | business | rv; several cars | petroleum products; metals; solvents | field observation |
| 1028 | agriculture | five horses in pasture w/trailers | fertilizer, manure, nitrate | field observation |
| 1029 | agriculture | pasture; two horses; farm equipment; storage tank | fertilizer, manure, nitrate, petroleum products | field observation |
| 1030 | business | construction equipment | petroleum products; metals; solvents | field observation |
| 1031 | business | storage area; old equipment | petroleum products; metals; solvents | field observation |
| 1032 | business | tile manufacturer/disributor | petroleum products; metals; solvents | field observation |
| 1033 | business | counter-top manufacturer | petroleum products; metals; solvents | field observation |
| 1034 | business | storage and rv parking | petroleum products; metals; solvents | field observation |
| 1035 | business | bountiful | petroleum products; metals; solvents | field observation |
| 1036 | business | mechanical repair | petroleum products; metals; solvents | field observation |
| 1037 | business | landscaping company | petroleum products; metals; solvents; nitrate; fertilizer | field observation |
| 1038 | business | steel products | petroleum products; metals; solvents | field observation |
| 1039 | business | auto repair | petroleum products; metals; solvents | field observation |
| 1040 | agriculture | landscaping; nursery | nitrate, pesticides, fertilizers | field observation |
| 1041 | business | metal products | petroleum products; metals; solvents | field observation |
| 1042 | business | boat repair and sales | petroleum products; metals; solvents | field observation |
| 1043 | government | public works | chloride, nitrates, pesticides, petroleum products, solvents, metals | field observation |
| 1044 | business | lumber distributor | wood preservatives (pentachlorophenol, chromated copper arsenate, ammoniacal copper asenate), creosote | field observation |
| 1045 | business | construction company | petroleum products; metals; solvents | field observation |
| 1046 | business | bus sales | petroleum products; metals; solvents | field observation |
| 1047 | government | udot yard; two underground storage tanks | chloride, nitrates, pesticides, petroleum products, solvents, metals | field observation |
| 1048 | agriculture | compost piles | nitrate | field observation |
| 1049 | agriculture | construction equipment | petroleum products; metals; solvents | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1050 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 1051 | agriculture | cow pasture; 20 cows | fertilizer, manure, nitrate | field observation |
| 1052 | storage tank | above ground gas storage tank | solvents; petroleum products | field observation |
| 1053 | business | storage and rv parking | petroleum products; metals; solvents | field observation |
| 1054 | agriculture | horse pasture; 15 horses | fertilizer, manure, nitrate | field observation |
| 1055 | agriculture | cattle pasture; farm equipment | fertilizer, manure, nitrate | field observation |
| 1056 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1057 | agriculture | pasture w/ few horses; corral | fertilizer, manure, nitrate | field observation |
| 1058 | agriculture | cattle pasture | fertilizer, manure, nitrate | field observation |
| 1059 | agriculture | horse pasture; 10 horses | fertilizer, manure, nitrate | field observation |
| 1060 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1061 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1062 | agriculture | corral w/4 horses | fertilizer, manure, nitrate | field observation |
| 1063 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1064 | agriculture | buffalo ranch | fertilizer, manure, nitrate | field observation |
| 1065 | agriculture | farm equipment | fertilizer, manure, nitrate | field observation |
| 1066 | wastewater | outhouse; garbage bin | nitrate | field observation |
| 1067 | agriculture | horse corral; three horses | fertilizer, manure, nitrate | field observation |
| 1068 | agriculture | horse grazing area | fertilizer, manure, nitrate | field observation |
| 1069 | agriculture | corral; farmhouse; barn; horse trailers | fertilizer, manure, nitrate | field observation |
| 1070 | agriculture | corrals | fertilizer, manure, nitrate | field observation |
| 1071 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1072 | agriculture | corral w/horses; farm equipment; trailers and crane | fertilizer, manure, nitrate | field observation |
| 1073 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1074 | agriculture | grazing area w/trucks | fertilizer, manure, nitrate | field observation |
| 1075 | agriculture | cattle pasture | fertilizer, manure, nitrate | field observation |
| 1076 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1077 | agriculture | small horse corral | fertilizer, manure, nitrate | field observation |
| 1078 | agriculture | small horse corral | fertilizer, manure, nitrate | field observation |
| 1079 | agriculture | horse corral; three horses | fertilizer, manure, nitrate | field observation |
| 1080 | wastewater | sewage disposal plant | nitrate; metals; solvents; petroleum products | field observation |
| 1081 | wastewater | sewage fields | nitrate | field observation |
| 1082 | agriculture | afo | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1083 | agriculture | shaw stables | fertilizer, manure, nitrate | field observation |
| 1084 | agriculture | corral area; two horses | fertilizer, manure, nitrate | field observation |
| 1085 | agriculture | pasture; grazing; farm equipment | fertilizer, manure, nitrate | field observation |
| 1086 | storage tank | above ground gas storage tank | solvents; petroleum products | field observation |
| 1087 | agriculture | farm equipment | petroleum products; metals; solvents | field observation |
| 1088 | agriculture | small horse corral; three horses | fertilizer, manure, nitrate | field observation |
| 1089 | agriculture | small horse corral; three horses | fertilizer, manure, nitrate | field observation |
| 1090 | agriculture | small corral; three llamas; one horse | fertilizer, manure, nitrate | field observation |
| 1091 | business | storage | metals, solvents | field observation |
| 1092 | agriculture | corral area;one horse | fertilizer, manure, nitrate | field observation |
| 1093 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1094 | agriculture | horse pasture; several horses | fertilizer, manure, nitrate | field observation |
| 1095 | agriculture | pasture; grazing | fertilizer, manure, nitrate | field observation |
| 1096 | agriculture | pasture; grazing; four horses | fertilizer, manure, nitrate | field observation |
| 1097 | agriculture | county fair ground | fertilizer, manure, nitrate | field observation |
| 1098 | agriculture | horse pasture; four horses | fertilizer, manure, nitrate | field observation |
| 1099 | government | jail | petroleum products; metals; solvents | field observation |
| 1100 | agriculture | horse pasture; 15 horses | fertilizer, manure, nitrate | field observation |
| 1101 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1102 | agriculture | horse corral; four horses | fertilizer, manure, nitrate | field observation |
| 1103 | agriculture | horse corral; two horses; hay | fertilizer, manure, nitrate | field observation |
| 1104 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1105 | agriculture | horse corral; two horses | fertilizer, manure, nitrate | field observation |
| 1106 | agriculture | several horse trailers; small corral | fertilizer, manure, nitrate | field observation |
| 1107 | agriculture | small corral; donkey | fertilizer, manure, nitrate | field observation |
| 1108 | agriculture | corral; two horses | fertilizer, manure, nitrate | field observation |
| 1109 | large lawn | park | nitrate, pesticides, fertilizers | field observation |
| 1110 | agriculture | horse corral; one horse | fertilizer, manure, nitrate | field observation |
| 1111 | business | bus parking area | petroleum products; metals; solvents | field observation |
| 1112 | large lawn | soccer field | nitrate, pesticides, fertilizers | field observation |
| 1113 | agriculture | corral; several horse trailers | fertilizer, manure, nitrate | field observation |
| 1114 | agriculture | abandoned feed area | fertilizer, manure, nitrate | field observation |
| 1115 | agriculture | horse pasture; 16 horses | fertilizer, manure, nitrate | field observation |
| 1116 | agriculture | horse corral; 3 horses; 2 barns | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1117 | agriculture | outhouse; farm equipment; backhoe; tractors | petroleum products; metals; solvents | field observation |
| 1118 | agriculture | goat corral | fertilizer, manure, nitrate | field observation |
| 1119 | business | gas station; car wash | petroleum products; metals; solvents | field observation |
| 1120 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 1121 | business | amusement park | petroleum products; metals; solvents | field observation |
| 1122 | government | public works | chloride, nitrates, pesticides, petroleum products, solvents, metals | field observation |
| 1123 | business | parking lot | petroleum products; metals; solvents | field observation |
| 1124 | large lawn | school field | nitrate, pesticides, fertilizers | field observation |
| 1125 | agriculture | buffalo ranch | fertilizer, manure, nitrate | field observation |
| 1126 | agriculture | horse corral; 1 horse | fertilizer, manure, nitrate | field observation |
| 1127 | agriculture | horse corral; 4 horses | fertilizer, manure, nitrate | field observation |
| 1128 | agriculture | horse corral; 4 horses | fertilizer, manure, nitrate | field observation |
| 1129 | agriculture | corral; 3 horses; manure | fertilizer, manure, nitrate | field observation |
| 1130 | large lawn | park | nitrate, pesticides, fertilizers | field observation |
| 1131 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 1132 | agriculture | horse pasture; horse trailer; 2 horses | fertilizer, manure, nitrate | field observation |
| 1133 | large lawn | park | nitrate, pesticides, fertilizers | field observation |
| 1134 | agriculture | hay barn; farm equipment; two horses | fertilizer, manure, nitrate | field observation |
| 1135 | agriculture | corral; 4 horses | fertilizer, manure, nitrate | field observation |
| 1136 | agriculture | corral; 1 horse | fertilizer, manure, nitrate | field observation |
| 1137 | agriculture | afo; no animals | fertilizer, manure, nitrate | field observation |
| 1138 | agriculture | afo; seven horses | fertilizer, manure, nitrate | field observation |
| 1139 | agriculture | afo; no animals | fertilizer, manure, nitrate | field observation |
| 1140 | agriculture | afo; no animals | fertilizer, manure, nitrate | field observation |
| 1141 | agriculture | old farmhouse; several trailers; farm equipment | fertilizer, manure, nitrate | field observation |
| 1142 | agriculture | pasture; five horses | fertilizer, manure, nitrate | field observation |
| 1143 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1144 | agriculture | corral; two horses | fertilizer, manure, nitrate | field observation |
| 1145 | business | dewall and sons bodyshop | petroleum products; metals; solvents | field observation |
| 1146 | large lawn | school field | nitrate, pesticides, fertilizers | field observation |
| 1147 | business | electrical supply store | metals, solvents | field observation |
| 1148 | business | old vehicles; well drilling equip | petroleum products; metals; solvents | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1149 | salvage/landfill | machinary; junk cars (10) | petroleum products; metals; solvents | field observation |
| 1150 | agriculture | pasture; 10 horses | fertilizer, manure, nitrate | field observation |
| 1151 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1152 | agriculture | pasture; | fertilizer, manure, nitrate | field observation |
| 1153 | industry | industrial glazing | petroleum products; metals; solvents | field observation |
| 1154 | business | asphalt and emulsions | petroleum products; metals; solvents | field observation |
| 1155 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1156 | business | storage and rv parking | petroleum products; metals; solvents | field observation |
| 1157 | agriculture | afo; livestock | fertilizer, manure, nitrate | field observation |
| 1158 | large lawn | park | nitrate, pesticides, fertilizers | field observation |
| 1159 | agriculture | corral; sheep and horses | fertilizer, manure, nitrate | field observation |
| 1160 | industry | industrial | petroleum products; metals; solvents | field observation |
| 1161 | business | refinery | petroleum products; metals; solvents | field observation |
| 1162 | business | tanker truck parking area | petroleum products; metals; solvents | field observation |
| 1163 | agriculture | barn; hay; farm equipment | petroleum products; metals; solvents | field observation |
| 1164 | storage tank | above ground gas storage tank; tanker trucks | petroleum products; metals; solvents | field observation |
| 1165 | agriculture | abandoned house; pasture | fertilizer, manure, nitrate | field observation |
| 1166 | business | construction company | petroleum products; metals; solvents | field observation |
| 1167 | salvage/landfill | salvage yard | petroleum products; metals; solvents | field observation |
| 1168 | business | deseret bus company | petroleum products; metals; solvents | field observation |
| 1169 | storage tank | above ground storage container | petroleum products; metals; solvents | field observation |
| 1170 | agriculture | horse pasture; 10 horses | fertilizer, manure, nitrate | field observation |
| 1171 | business | truck yard; container/tanker trucks | petroleum products; metals; solvents | field observation |
| 1172 | business | refinery | petroleum products; metals; solvents | field observation |
| 1173 | industry | equipment manufacturing | petroleum products; metals; solvents | field observation |
| 1174 | business | laundary facility | solvents | field observation |
| 1175 | business | self storage | metals, solvents | field observation |
| 1176 | business | gas station | petroleum products; metals; solvents | field observation |
| 1177 | business | advanced metal finishing | solvents, metals | field observation |
| 1178 | business | storage | metals, solvents | field observation |
| 1179 | business | apparatus service | solvents, metals | field observation |
| 1180 | business | refinery | petroleum products; metals; solvents | field observation |
| 1181 | business | irrigation product distribution | petroleum products; metals; solvents | field observation |

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1182 | business | irrigation products | petroleum products; metals; solvents | field observation |
| 1183 | business | paper company | solvents, metals; hypochlorite; hydrogen peroxide | field observation |
| 1184 | business | big crane rental | petroleum products; metals; solvents | field observation |
| 1185 | business | meat processing | petroleum products; metals; solvents | field observation |
| 1186 | business | auto parts/sales | petroleum products; metals; solvents | field observation |
| 1187 | large lawn | playing field | nitrate, pesticides, fertilizers | field observation |
| 1188 | medical | medical waste disposal | solvents; metals | field observation |
| 1189 | utility | substation | pcbs | field observation |
| 1190 | wastewater | sewage treatment plant; south davis co. | solvents, nitrate | field observation |
| 1191 | large lawn | school field | nitrate, pesticides, fertilizers | field observation |
| 1192 | business | auto repair | petroleum products; metals; solvents | field observation |
| 1193 | business | fire protection company | petroleum products; metals; solvents | field observation |
| 1194 | business | paperbox company | solvents, metals; hypochlorite; hydrogen peroxide | field observation |
| 1195 | business | construction | petroleum products; metals; solvents | field observation |
| 1196 | business | equipment sales | petroleum products; metals; solvents | field observation |
| 1197 | business | transport company; >50 tanker trucks | petroleum products; metals; solvents | field observation |
| 1198 | business | refinery | petroleum products; metals; solvents | field observation |
| 1199 | business | storage and rv parking | petroleum products; metals; solvents | field observation |
| 1200 | business | truck parking; tanker trucks | petroleum products; metals; solvents | field observation |
| 1201 | business | truck; tanker trucks | petroleum products; metals; solvents | field observation |
| 1202 | business | >100 tanker rr cars | petroleum products; metals; solvents | field observation |
| 1203 | business | machine shop | petroleum products; metals; solvents | field observation |
| 1204 | business | casting | petroleum products; metals; solvents | field observation |
| 1205 | business | distribution center | petroleum products; metals; solvents | field observation |
| 1206 | business | distribution center; semi-trucks | petroleum products; metals; solvents | field observation |
| 1207 | government | public works | chloride, nitrates, pesticides, petroleum products, solvents, metals | field observation |
| 1208 | industry | plastic pipe manufacturer | petroleum products; metals; solvents | field observation |
| 1209 | business | structural steel and plate fabrication | petroleum products; metals; solvents | field observation |
| 1210 | business | metal distributor | petroleum products; metals; solvents | field observation |
| 1211 | business | metal manufacturing | petroleum products; metals; solvents | field observation |
| 1212 | business | construction company | petroleum products; metals; solvents | field observation |
| 1213 | business | several tanker trucks; gas station | petroleum products; metals; solvents | field observation |
| 1214 | large lawn | park | nitrate, pesticides, fertilizers | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1215 | business | storage | metals, petroleum, solvents | field observation |
| 1216 | large lawn | cemetery | nitrate, pesticides, fertilizers | field observation |
| 1217 | large lawn | school field | nitrate, pesticides, fertilizers | field observation |
| 1218 | mining | gravel pit | metals | field observation |
| 1219 | utility | substation | pcbs | field observation |
| 1220 | large lawn | school field | nitrate, pesticides, fertilizers | field observation |
| 1221 | agriculture | horse corral; two horses | fertilizer, manure, nitrate | field observation |
| 1222 | agriculture | corral; chickens; horse | fertilizer, manure, nitrate | field observation |
| 1223 | large lawn | highway drainage area | nitrate, pesticides, fertilizers | field observation |
| 1224 | large lawn | cemetery | nitrate, pesticides, fertilizers | field observation |
| 1225 | large lawn | park | nitrate, pesticides, fertilizers | field observation |
| 1226 | agriculture | feeding lot | fertilizer, manure, nitrate | field observation |
| 1227 | agriculture | feeding lot | fertilizer, manure, nitrate | field observation |
| 1228 | large lawn | park | nitrate, pesticides, fertilizers | field observation |
| 1229 | agriculture | corrals | nitrate; manure | field observation |
| 1230 | agriculture | feed area; corral | fertilizer, manure, nitrate | field observation |
| 1231 | agriculture | afo | fertilizer, manure, nitrate | field observation |
| 1232 | agriculture | horse corral | fertilizer, manure, nitrate | field observation |
| 1233 | agriculture | donkey corral; three donkeys | fertilizer, manure, nitrate | field observation |
| 1234 | large lawn | school field | nitrate, pesticides, fertilizers | field observation |
| 1235 | agriculture | small field w/crops | nitrate, pesticides, fertilizers | field observation |
| 1236 | large lawn | park | nitrate, pesticides, fertilizers | field observation |
| 1237 | agriculture | animal corral | fertilizer, manure, nitrate | field observation |
| 1238 | agriculture | horse corral; three horses | fertilizer, manure, nitrate | field observation |
| 1239 | large lawn | school field | nitrate, pesticides, fertilizers | field observation |
| 1240 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1241 | business | car wash | metals, petroleum, solvents | field observation |
| 1242 | agriculture | afo | fertilizer, manure, nitrate | field observation |
| 1243 | agriculture | horse corral | fertilizer, manure, nitrate | field observation |
| 1244 | agriculture | corral with barn and hay | fertilizer, manure, nitrate | field observation |
| 1245 | agriculture | corral with barn and hay; three horses | fertilizer, manure, nitrate | field observation |
| 1246 | agriculture | pasture area with barns and farm equipment | fertilizer, manure, nitrate | field observation |
| 1247 | agriculture | corral area; 4 horses | fertilizer, manure, nitrate | field observation |

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1248 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1249 | agriculture | pasture area with 5 horses; 5 llamas | fertilizer, manure, nitrate | field observation |
| 1250 | large lawn | baseball field | pesticides, fertilizer, solvents | field observation |
| 1251 | agriculture | corral; no animals present; farm equipment | fertilizer, manure, nitrate | field observation |
| 1252 | large lawn | lawn area/ parking lot drainage area | pesticides, fertilizer, solvents | field observation |
| 1253 | agriculture | corral area; 2 horses; cows | fertilizer, manure, nitrate | field observation |
| 1254 | agriculture | corral area; no animals | fertilizer, manure, nitrate | field observation |
| 1255 | large lawn | park | pesticides, fertilizer, solvents | field observation |
| 1256 | agriculture | farm; corral; horses | fertilizer, manure, nitrate | field observation |
| 1257 | agriculture | barn; farm equipment | metals, petroleum, solvents | field observation |
| 1258 | agriculture | horse corral; barn; horse trailers | fertilizer, manure, nitrate | field observation |
| 1259 | large lawn | school field | pesticides, fertilizer, solvents | field observation |
| 1260 | agriculture | corral; 2 horses | fertilizer, manure, nitrate | field observation |
| 1261 | business | gas station; car wash | metals, petroleum, solvents | field observation |
| 1262 | agriculture | large irrigated agricultural area | nitrate, pesticides, fertilizers | field observation |
| 1263 | business | landscaping company | nitrate, pesticides, fertilizers | field observation |
| 1264 | agriculture | greenhouse and tree farm | nitrate, pesticides, fertilizers | field observation |
| 1265 | business | garden center | nitrate, pesticides, fertilizers | field observation |
| 1266 | large lawn | baseball field | pesticides, fertilizer, solvents | field observation |
| 1267 | agriculture | horse corral; barn | fertilizer, manure, nitrate | field observation |
| 1268 | agriculture | hay barns | nitrate, pesticides, fertilizers | field observation |
| 1269 | agriculture | corral; 1 horse | fertilizer, manure, nitrate | field observation |
| 1270 | agriculture | greenhouse | nitrate, pesticides, fertilizers | field observation |
| 1271 | agriculture | small corral; no animals present | fertilizer, manure, nitrate | field observation |
| 1272 | agriculture | large greenhouse area | nitrate, pesticides, fertilizers | field observation |
| 1273 | large lawn | school field | pesticides, fertilizer, solvents | field observation |
| 1274 | agriculture | greenhouse | nitrate, pesticides, fertilizers | field observation |
| 1275 | agriculture | corral area with horse trailer | fertilizer, manure, nitrate | field observation |
| 1276 | agriculture | horse corral | fertilizer, manure, nitrate | field observation |
| 1277 | agriculture | barns; corral | fertilizer, manure, nitrate | field observation |
| 1278 | agriculture | pasture; 3 horses | fertilizer, manure, nitrate | field observation |
| 1279 | agriculture | farm equipment; hay; horse trailers | metals, petroleum, solvents | field observation |
| 1280 | agriculture | 5 horses; corral | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1281 | agriculture | 10 horses; corral | fertilizer, manure, nitrate | field observation |
| 1282 | agriculture | barn; tractor; vehicles; 2 horses | fertilizer, manure, nitrate | field observation |
| 1283 | agriculture | corral; 40 cattle | fertilizer, manure, nitrate | field observation |
| 1284 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1285 | agriculture | abandoned feed area; old farm machinary | fertilizer, manure, nitrate | field observation |
| 1286 | agriculture | grazing area; small barn; construction equipment | fertilizer, manure, nitrate | field observation |
| 1287 | agriculture | horse grazing area | fertilizer, manure, nitrate | field observation |
| 1288 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1289 | utility | substation | pcbs | field observation |
| 1290 | agriculture | grazing area; horses | fertilizer, manure, nitrate | field observation |
| 1291 | agriculture | horse corral; barn; 20 horses | fertilizer, manure, nitrate | field observation |
| 1292 | agriculture | animal houses; empty | fertilizer, manure, nitrate | field observation |
| 1293 | agriculture | farm equipment; storage tanks | nitrate, pesticides, fertilizers | field observation |
| 1294 | agriculture | corral area; 2 horses | fertilizer, manure, nitrate | field observation |
| 1295 | agriculture | small corral | fertilizer, manure, nitrate | field observation |
| 1296 | agriculture | horse barn; stables | fertilizer, manure, nitrate | field observation |
| 1297 | agriculture | corral area; no animals | fertilizer, manure, nitrate | field observation |
| 1298 | agriculture | corral area; no animals | fertilizer, manure, nitrate | field observation |
| 1299 | agriculture | grazing area; 40 cattle | fertilizer, manure, nitrate | field observation |
| 1300 | agriculture | grazing area; cattle | fertilizer, manure, nitrate | field observation |
| 1301 | agriculture | cattle corral | fertilizer, manure, nitrate | field observation |
| 1302 | agriculture | farm equipment | metals, petroleum, solvents | field observation |
| 1303 | agriculture | corral area; 2 horses; 4 horse trailers | fertilizer, manure, nitrate | field observation |
| 1304 | agriculture | barn; corral area | fertilizer, manure, nitrate | field observation |
| 1305 | large lawn | school field | nitrate, pesticides, fertilizers | field observation |
| 1306 | agriculture | corral area; 4 horses; 2 donkeys | fertilizer, manure, nitrate | field observation |
| 1307 | agriculture | corral area; barn; pile manure; llama; horse; hay | fertilizer, manure, nitrate | field observation |
| 1308 | agriculture | corral; small barn area; 2 horses | fertilizer, manure, nitrate | field observation |
| 1309 | utility | substation | pcbs | field observation |
| 1310 | large lawn | road drainage catchment lawn | pesticides, fertilizer, solvents | field observation |
| 1311 | agriculture | corral; 5 horses | fertilizer, manure, nitrate | field observation |
| 1312 | agriculture | corrals | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1313 | agriculture | corral; 4 horses | fertilizer, manure, nitrate | field observation |
| 1314 | agriculture | barn area; corral; horse trailers; 1 horse | fertilizer, manure, nitrate | field observation |
| 1315 | agriculture | large pasture | fertilizer, manure, nitrate | field observation |
| 1316 | large lawn | park | pesticides, solvents | field observation |
| 1317 | large lawn | pasture | pesticides, solvents | field observation |
| 1318 | business | rv parking area; >50 rvs | metals, petroleum, solvents | field observation |
| 1319 | large lawn | park | pesticides, solvents | field observation |
| 1320 | business | auto parts/sales | metals, petroleum, solvents | field observation |
| 1321 | business | asphalt | metals, petroleum, solvents | field observation |
| 1322 | business | self storage | metals, petroleum, solvents | field observation |
| 1323 | business | cabinets, millwork, countertops | wood preservatives (pentachlorophenol, chromated copper arsenate, ammoniacal copper asenate), creosote | field observation |
| 1324 | salvage/landfill | auto repair; several junk cars | metals, petroleum, solvents | field observation |
| 1325 | business | lumber | wood preservatives (pentachlorophenol, chromated copper arsenate, ammoniacal copper asenate), creosote | field observation |
| 1326 | business | trucking company; >100 trailer | metals, petroleum, solvents | field observation |
| 1327 | large lawn | lawn area | pesticides, solvents | field observation |
| 1328 | storage tank | above ground storage container; fire station | solvents, petroleum products | field observation |
| 1329 | storage tank | oil pumping area | solvents, petroleum products | field observation |
| 1330 | agriculture | old agricultural equipment | metals, petroleum, solvents | field observation |
| 1331 | agriculture | corral area; 3 cows | fertilizer, manure, nitrate | field observation |
| 1332 | agriculture | corral area; horse | fertilizer, manure, nitrate | field observation |
| 1333 | agriculture | corral area; horses | fertilizer, manure, nitrate | field observation |
| 1334 | agriculture | horse pasture; horse | fertilizer, manure, nitrate | field observation |
| 1335 | agriculture | garden area; corral | fertilizer, manure, nitrate | field observation |
| 1336 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1337 | agriculture | corrals with horses | fertilizer, manure, nitrate | field observation |
| 1338 | agriculture | cattle grazing area | fertilizer, manure, nitrate | field observation |
| 1339 | large lawn | playing field | pesticides, solvents | field observation |
| 1340 | agriculture | corral area with several goats | fertilizer, manure, nitrate | field observation |
| 1341 | storage tank | several old rusty above ground storage containers | solvents, petroleum products | field observation |
| 1342 | agriculture | corral; about ten cows | fertilizer, manure, nitrate | field observation |
| 1343 | agriculture | cattle grazing area; 50 cows | fertilizer, manure, nitrate | field observation |
| 1344 | agriculture | abandoned barn; corral area; hay | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1345 | agriculture | horse grazing area; 5 horses | fertilizer, manure, nitrate | field observation |
| 1346 | agriculture | grazing area one horse | fertilizer, manure, nitrate | field observation |
| 1347 | agriculture | old corral area | fertilizer, manure, nitrate | field observation |
| 1348 | agriculture | corral area; old farm equipment; | fertilizer, manure, nitrate | field observation |
| 1349 | agriculture | corral area; silo; barn; horse trailers | fertilizer, manure, nitrate | field observation |
| 1350 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1351 | agriculture | corral; old farm equipment | fertilizer, manure, nitrate | field observation |
| 1352 | large lawn | school field | pesticides, solvents | field observation |
| 1353 | storage tank | ranch; corral; hay; tractors; 3 above ground tanks | solvents, petroleum products | field observation |
| 1354 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1355 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1356 | agriculture | pasture area; 6 horses | fertilizer, manure, nitrate | field observation |
| 1357 | agriculture | pasture area; 3 horses | fertilizer, manure, nitrate | field observation |
| 1358 | large lawn | park; pool; tennis court | pesticides, solvents | field observation |
| 1359 | agriculture | corrals with horse trailer | fertilizer, manure, nitrate | field observation |
| 1360 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1361 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1362 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1363 | utility | substation | pcbs | field observation |
| 1364 | large lawn | park | pesticides, solvents | field observation |
| 1365 | agriculture | nursery | nitrate, pesticides, fertilizers | field observation |
| 1366 | government | public works; transformers | chloride, nitrates, pesticides, petroleum products, solvents, metals | field observation |
| 1367 | business | large parking area | metals, petroleum, solvents | field observation |
| 1368 | business | equipment rentals | metals, petroleum, solvents | field observation |
| 1369 | government | mosquito abatement equipment; above ground storage tanks | pesticides, solvents | field observation |
| 1370 | business | auto repair | petroleum products; metals; solvents | field observation |
| 1371 | business | rv sales; > 100 rvs | metals, petroleum, solvents | field observation |
| 1372 | agriculture | pasture; barn; 3 horses | fertilizer, manure, nitrate | field observation |
| 1373 | agriculture | large pasture | fertilizer, manure, nitrate | field observation |
| 1374 | large lawn | park | pesticides, solvents | field observation |
| 1375 | agriculture | university agricultural area | nitrate, pesticides, fertilizers | field observation |
| 1376 | large lawn | large mowed field | pesticides, solvents | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1377 | large lawn | large mowed field | pesticides, solvents | field observation |
| 1378 | large lawn | golf course | pesticides, solvents | field observation |
| 1379 | industry | manufacturing plant | metals, petroleum, solvents | field observation |
| 1380 | business | boat repair and sale; 50 boats | metals, petroleum, solvents | field observation |
| 1381 | business | hardware store | metals, petroleum, solvents | field observation |
| 1382 | agriculture | undeveloped property; prev. agricultural area | nitrate, pesticides, fertilizers | field observation |
| 1383 | agriculture | undeveloped property; prev. agricultural area | nitrate, pesticides, fertilizers | field observation |
| 1384 | business | rv parking area; 15 rvs; 10 trucks | metals, petroleum, solvents | field observation |
| 1385 | business | car wash | metals, petroleum, solvents | field observation |
| 1386 | business | tire and lube center | metals, petroleum, solvents | field observation |
| 1387 | business | tire shop | metals, petroleum, solvents | field observation |
| 1388 | business | distribution plant; regional offices | metals, petroleum, solvents | field observation |
| 1389 | utility | substation | pcbs | field observation |
| 1390 | business | body shop | metals, petroleum, solvents | field observation |
| 1391 | business | car wash | metals, petroleum, solvents | field observation |
| 1392 | large lawn | school field | pesticides, solvents | field observation |
| 1393 | large lawn | school field | pesticides, solvents | field observation |
| 1394 | government | transportation yard | chloride, nitrates, pesticides, petroleum products, solvents, metals | field observation |
| 1395 | industry | industrial manufacturing | metals, petroleum, solvents | field observation |
| 1396 | agriculture | pasture area; corral; 1 horse | fertilizer, manure, nitrate | field observation |
| 1397 | large lawn | school field | pesticides, solvents | field observation |
| 1398 | large lawn | cemetery | pesticides, solvents | field observation |
| 1399 | government | public works area; salt piles; big trucks | chloride, nitrates, pesticides, petroleum products, solvents, metals | field observation |
| 1400 | agriculture | pasture; manure | fertilizer, manure, nitrate | field observation |
| 1401 | agriculture | pasture; 5 horses | fertilizer, manure, nitrate | field observation |
| 1402 | agriculture | large empty pasture | fertilizer, manure, nitrate | field observation |
| 1403 | agriculture | pasture area | fertilizer, manure, nitrate | field observation |
| 1404 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1405 | agriculture | barn; corral; horses | fertilizer, manure, nitrate | field observation |
| 1406 | large lawn | cemetery | pesticides, solvents | field observation |
| 1407 | agriculture | corral; 2 horses | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1408 | agriculture | pasture; agricultural use; barns; 10 horse trailers | fertilizer, manure, nitrate | field observation |
| 1409 | agriculture | corral; horses | fertilizer, manure, nitrate | field observation |
| 1410 | agriculture | horse corrals | fertilizer, manure, nitrate | field observation |
| 1411 | agriculture | farm; several horses and corrals | fertilizer, manure, nitrate | field observation |
| 1412 | salvage/landfill | 20 old junk automobiles | metals, petroleum, solvents | field observation |
| 1413 | mining | gravel pit | metals, petroleum, solvents | field observation |
| 1414 | business | gas station | metals, petroleum, solvents | field observation |
| 1415 | agriculture | horse stables | nitrate | field observation |
| 1416 | agriculture | horse stables | nitrate | field observation |
| 1417 | agriculture | pasture | nitrate | field observation |
| 1418 | business | auto paint | solvents; metals | field observation |
| 1419 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1420 | agriculture | grazing area; several cows | fertilizer, manure, nitrate | field observation |
| 1421 | agriculture | grazing area; several horses; barn | fertilizer, manure, nitrate | field observation |
| 1422 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1423 | agriculture | corral area; barn | fertilizer, manure, nitrate | field observation |
| 1424 | agriculture | corral area; dumpster full of waste; small barn | fertilizer, manure, nitrate | field observation |
| 1425 | agriculture | corral area; horse | fertilizer, manure, nitrate | field observation |
| 1426 | agriculture | 8 cranes; large storage tank; above ground storage tanks | metals, petroleum, solvents | field observation |
| 1427 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1428 | agriculture | corral area; compost piles | fertilizer, manure, nitrate | field observation |
| 1429 | agriculture | corral area; feed operations | fertilizer, manure, nitrate | field observation |
| 1430 | agriculture | large dairy oporation; >100 cows; hay piles | fertilizer, manure, nitrate | field observation |
| 1431 | agriculture | large piles of composting manure and fill | fertilizer, manure, nitrate | field observation |
| 1432 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1433 | agriculture | corral area; chicken coops | fertilizer, manure, nitrate | field observation |
| 1434 | agriculture | farm equipment | metals, petroleum, solvents | field observation |
| 1435 | agriculture | barn with serveral hundred tires; old farm equipment | fertilizer, manure, nitrate | field observation |
| 1436 | agriculture | horse corral; 3 horses | fertilizer, manure, nitrate | field observation |
| 1437 | agriculture | pasture; corral | fertilizer, manure, nitrate | field observation |
| 1438 | agriculture | horse corral; 3 horses | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1439 | agriculture | corral area; no horses; barn | fertilizer, manure, nitrate | field observation |
| 1440 | agriculture | horse corral; 3 horses | fertilizer, manure, nitrate | field observation |
| 1441 | agriculture | horse corral; 3 horses | fertilizer, manure, nitrate | field observation |
| 1442 | agriculture | barn; corral; above ground storage tank | fertilizer, manure, nitrate | field observation |
| 1443 | agriculture | several pieces of farm equipment; above ground tanks | metals, petroleum, solvents | field observation |
| 1444 | agriculture | large grazing area; several horses | fertilizer, manure, nitrate | field observation |
| 1445 | agriculture | large grazing area | fertilizer, manure, nitrate | field observation |
| 1446 | agriculture | corral area; old barn | fertilizer, manure, nitrate | field observation |
| 1447 | agriculture | corral area; above ground storage tank | fertilizer, manure, nitrate | field observation |
| 1448 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1449 | agriculture | pasture; corral area; above ground storage tank; horse | fertilizer, manure, nitrate | field observation |
| 1450 | storage tank | greenhouse; corral; old farm equipment; horse | solvents, petroleum products | field observation |
| 1451 | agriculture | horse corral | fertilizer, manure, nitrate | field observation |
| 1452 | storage tank | old pieces of farm equipment; barnwood pile; above ground storage tank | solvents, petroleum products | field observation |
| 1453 | agriculture | barns; two corrals | fertilizer, manure, nitrate | field observation |
| 1454 | agriculture | corral; old barn; cows; horses | fertilizer, manure, nitrate | field observation |
| 1455 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1456 | storage tank | haystacks; corrals; 2 above ground storage tanks | solvents, petroleum products | field observation |
| 1457 | agriculture | feed operation; barn | fertilizer, manure, nitrate | field observation |
| 1458 | agriculture | corral; horses | fertilizer, manure, nitrate | field observation |
| 1459 | agriculture | large grazing area; corrals; piles of manure | fertilizer, manure, nitrate | field observation |
| 1460 | agriculture | small barns; corral areas | fertilizer, manure, nitrate | field observation |
| 1461 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1462 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1463 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1464 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1465 | agriculture | grazing area; construction area | fertilizer, manure, nitrate | field observation |
| 1466 | agriculture | grazing area; barn | fertilizer, manure, nitrate | field observation |
| 1467 | agriculture | barn; corral; large grazing area | fertilizer, manure, nitrate | field observation |
| 1468 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1469 | agriculture | corral; 3 goats | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1470 | agriculture | 8 horses in corral | fertilizer, manure, nitrate | field observation |
| 1471 | agriculture | corral; 5 horses | fertilizer, manure, nitrate | field observation |
| 1472 | agriculture | garden center; several greenhouses | nitrate, pesticides, fertilizers | field observation |
| 1473 | agriculture | large grazing area | fertilizer, manure, nitrate | field observation |
| 1474 | large lawn | park | pesticides, fertilizers | field observation |
| 1475 | agriculture | several rvs; corral; barn | fertilizer, manure, nitrate | field observation |
| 1476 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1477 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1478 | large lawn | baseball field | pesticides, fertilizers | field observation |
| 1479 | storage tank | pasture area; 5 horses; above ground storage tank | solvents, petroleum products | field observation |
| 1480 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1481 | agriculture | llama; goat; corral | fertilizer, manure, nitrate | field observation |
| 1482 | agriculture | horse corral; grazing area | fertilizer, manure, nitrate | field observation |
| 1483 | agriculture | corral areas; barns; barnwood pile | fertilizer, manure, nitrate | field observation |
| 1484 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1485 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1486 | agriculture | grazing area; horse trailer | fertilizer, manure, nitrate | field observation |
| 1487 | agriculture | feed area; corral | fertilizer, manure, nitrate | field observation |
| 1488 | agriculture | serveral corral; horses | fertilizer, manure, nitrate | field observation |
| 1489 | agriculture | grazing area; 15 cows | fertilizer, manure, nitrate | field observation |
| 1490 | large lawn | golf course | pesticides, fertilizers | field observation |
| 1491 | agriculture | grazing area; horse | fertilizer, manure, nitrate | field observation |
| 1492 | agriculture | grazing area; old boat; barn; 4 horses; 2 rvs | fertilizer, manure, nitrate | field observation |
| 1493 | agriculture | grazing area; manure piles; 2 horses; car | fertilizer, manure, nitrate | field observation |
| 1494 | agriculture | large grazing area; 20 horses | fertilizer, manure, nitrate | field observation |
| 1495 | agriculture | cow feeding area; 3 cows | fertilizer, manure, nitrate | field observation |
| 1496 | agriculture | corral areas; hay; horse | fertilizer, manure, nitrate | field observation |
| 1497 | agriculture | grazing cattle | nitrate, pesticides, fertilizers | field observation |
| 1498 | agriculture | 30 grazing cows | nitrate, pesticides, fertilizers | field observation |
| 1499 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1500 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1501 | agriculture | horse grazing area; 4 horses | fertilizer, manure, nitrate | field observation |
| 1502 | agriculture | grazing area; 30cattle; 3 rvs; horses | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1503 | agriculture | pasture; horse corral; 3 horses | fertilizer, manure, nitrate | field observation |
| 1504 | agriculture | school bus; farm equipment | metals, petroleum, solvents | field observation |
| 1505 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1506 | agriculture | corral; haystack; rv | fertilizer, manure, nitrate | field observation |
| 1507 | storage tank | several rvs; above ground storage tank | solvents, petroleum products | field observation |
| 1508 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1509 | storage tank | corral; above ground storage tank; 5 horses | nitrates, solvents, petroleum products | field observation |
| 1510 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1511 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1512 | agriculture | grazing area; 20 cattle | fertilizer, manure, nitrate | field observation |
| 1513 | storage tank | barn; 2 above ground storage tank | solvents, petroleum products | field observation |
| 1514 | agriculture | barn; corral; 3 horses | fertilizer, manure, nitrate | field observation |
| 1515 | storage tank | 3 above ground storage tanks; corral areas; cows | solvents, petroleum products | field observation |
| 1516 | agriculture | corrals | fertilizer, manure, nitrate | field observation |
| 1517 | agriculture | corrals | fertilizer, manure, nitrate | field observation |
| 1518 | agriculture | corrals; horses; hay; manure | fertilizer, manure, nitrate | field observation |
| 1519 | agriculture | corrals | fertilizer, manure, nitrate | field observation |
| 1520 | storage tank | old barn with silo; above ground storage tanks | solvents, petroleum products | field observation |
| 1521 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1522 | agriculture | corral; barn; farm equipment | fertilizer, manure, nitrate | field observation |
| 1523 | agriculture | grazing area; 3 horses | fertilizer, manure, nitrate | field observation |
| 1524 | agriculture | several old trucks; trailers | solvents, petroleum products | field observation |
| 1525 | storage tank | 3 above ground storage tanks | solvents, petroleum products | field observation |
| 1526 | agriculture | corrals; old barn | fertilizer, manure, nitrate | field observation |
| 1527 | agriculture | corrals; 6 cows; manure | fertilizer, manure, nitrate | field observation |
| 1528 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1529 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1530 | agriculture | grazing area; diamond ranches | fertilizer, manure, nitrate | field observation |
| 1531 | agriculture | barn; grazing area; 3 horses | fertilizer, manure, nitrate | field observation |
| 1532 | agriculture | barn; pieces of farm equipment; old feed lot | fertilizer, manure, nitrate | field observation |
| 1533 | agriculture | grazing area; 10 cows | fertilizer, manure, nitrate | field observation |
| 1534 | agriculture | old barn; grazing area | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1535 | wastewater | sewage disposal plant; fields to spread waste | nitrate, metals, petroleum, solvents | field observation |
| 1536 | agriculture | cattle grazing area; 30 cattle; small corrals | fertilizer, manure, nitrate | field observation |
| 1537 | agriculture | combines; tractors; trucks; corral | metals, petroleum, solvents | field observation |
| 1538 | agriculture | corrals with farm equipment; cows | fertilizer, manure, nitrate | field observation |
| 1539 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1540 | storage tank | corral; 4 horses; 3 above ground storage tanks | solvents, petroleum products | field observation |
| 1541 | agriculture | pasture; grazing area | fertilizer, manure, nitrate | field observation |
| 1542 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1543 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1544 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1545 | large lawn | school field | pesticides, fertilizer | field observation |
| 1546 | agriculture | corral; 1 horse | fertilizer, manure, nitrate | field observation |
| 1547 | storage tank | corral; above ground storage tank | solvents, petroleum products | field observation |
| 1548 | agriculture | corral area; farm equipment | fertilizer, manure, nitrate | field observation |
| 1549 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1550 | agriculture | corral area; cow; farm equipment | fertilizer, manure, nitrate | field observation |
| 1551 | agriculture | large grazing area; 50 cows | fertilizer, manure, nitrate | field observation |
| 1552 | large lawn | park | pesticides, fertilizer | field observation |
| 1553 | agriculture | corn field; now grazed by cows; barn | fertilizer, manure, nitrate | field observation |
| 1554 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1555 | agriculture | grazing area; 10 cows | fertilizer, manure, nitrate | field observation |
| 1556 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1557 | agriculture | cow feed lot; above ground storage tank; 100 cows | fertilizer, manure, nitrate | field observation |
| 1558 | agriculture | horse pasture; 2 horses | fertilizer, manure, nitrate | field observation |
| 1559 | storage tank | above ground storage tank | solvents, petroleum products | field observation |
| 1560 | agriculture | corral areas | fertilizer, manure, nitrate | field observation |
| 1561 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1562 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1563 | agriculture | greenhouse | nitrate, pesticides, fertilizers | field observation |
| 1564 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1565 | agriculture | grazing area; 3 horses | fertilizer, manure, nitrate | field observation |
| 1566 | agriculture | small corral area; abandoned | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

2 UDEQ is Utah Department of Environmental Quality, EPA is U.S. Environmental Protection Agency, AGRC is the Utah Automated Geographic Reference Center

***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1567 | agriculture | grazing area; 30 cows | fertilizer, manure, nitrate | field observation |
| 1568 | agriculture | grazing area; 20 cattle | fertilizer, manure, nitrate | field observation |
| 1569 | agriculture | grazing areas | fertilizer, manure, nitrate | field observation |
| 1570 | agriculture | corral; barns; 8 horses | fertilizer, manure, nitrate | field observation |
| 1571 | large lawn | park | pesticides, fertilizer | field observation |
| 1572 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1573 | agriculture | corral; barn; horse; haystacks | fertilizer, manure, nitrate | field observation |
| 1574 | agriculture | corral; stables; horse trailers | fertilizer, manure, nitrate | field observation |
| 1575 | agriculture | abandoned feed area; old manure | fertilizer, manure, nitrate | field observation |
| 1576 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1577 | agriculture | horse area | fertilizer, manure, nitrate | field observation |
| 1578 | government | public works building; above ground storage tanks | chloride, nitrates, pesticides, petroleum products, solvents, metals | field observation |
| 1579 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1580 | agriculture | interconnected corrals with several horses | fertilizer, manure, nitrate | field observation |
| 1581 | agriculture | interconnected corrals with several horses | fertilizer, manure, nitrate | field observation |
| 1582 | government | fire department | solvents, petroleum products | field observation |
| 1583 | large lawn | school field | pesticides, fertilizer | field observation |
| 1584 | agriculture | cattle grazing area; 10 cattle | fertilizer, manure, nitrate | field observation |
| 1585 | agriculture | 4 horses; 10 cattle; corral | fertilizer, manure, nitrate | field observation |
| 1586 | storage tank | several barns; tractors; goats; greenhouse; rvs | solvents, petroleum products | field observation |
| 1587 | agriculture | corral; 2 horses | fertilizer, manure, nitrate | field observation |
| 1588 | large lawn | park | pesticides, fertilizer | field observation |
| 1589 | large lawn | park | pesticides, fertilizer | field observation |
| 1590 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1591 | agriculture | abandoned feed area | fertilizer, manure, nitrate | field observation |
| 1592 | agriculture | pasture; 10 horses | fertilizer, manure, nitrate | field observation |
| 1593 | agriculture | corral; manure | fertilizer, manure, nitrate | field observation |
| 1594 | agriculture | pasture; 30 cows | fertilizer, manure, nitrate | field observation |
| 1595 | agriculture | horse corral; 4 horses | fertilizer, manure, nitrate | field observation |
| 1596 | storage tank | feed corral area; abandoned; above ground tank | solvents, petroleum products | field observation |
| 1597 | agriculture | pasture; 5 horses | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1598 | agriculture | corral; manure | fertilizer, manure, nitrate | field observation |
| 1599 | agriculture | pasture; 30 cows | fertilizer, manure, nitrate | field observation |
| 1600 | salvage/landfill | old snowmobiles; parts; junk cars | metals, petroleum, solvents | field observation |
| 1601 | salvage/landfill | auto parts/sales | metals, petroleum, solvents | field observation |
| 1602 | agriculture | horse pasture; 5 horses | fertilizer, manure, nitrate | field observation |
| 1603 | agriculture | old barn; pasture; horse | fertilizer, manure, nitrate | field observation |
| 1604 | agriculture | corral; manure; hay; cows; goats; horses | fertilizer, manure, nitrate | field observation |
| 1605 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1606 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1607 | agriculture | grazing area | fertilizer, manure, nitrate | field observation |
| 1608 | agriculture | grazing area; 15 cows; hay; barn | fertilizer, manure, nitrate | field observation |
| 1609 | agriculture | animal feed operation; manure; no visible animals | fertilizer, manure, nitrate | field observation |
| 1610 | agriculture | corral; horses | fertilizer, manure, nitrate | field observation |
| 1611 | large lawn | cemetery | pesticides, fertilizer | field observation |
| 1612 | government | public works | chloride, nitrates, pesticides, petroleum products, solvents, metals | field observation |
| 1613 | large lawn | school field | pesticides, fertilizer | field observation |
| 1614 | agriculture | old barn; farm equipment; corral | solvents, petroleum products, nitrate | field observation |
| 1615 | storage tank | barn; above ground storage tanks; manure; cows | solvents, petroleum products | field observation |
| 1616 | business | rv parking area | metals, petroleum, solvents | field observation |
| 1617 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1618 | agriculture | barn and corrals | fertilizer, manure, nitrate | field observation |
| 1619 | large lawn | baseball field | pesticides, fertilizer | field observation |
| 1620 | large lawn | park | pesticides, fertilizer | field observation |
| 1621 | agriculture | corral; 2 old barns | fertilizer, manure, nitrate | field observation |
| 1622 | agriculture | corral; horse | fertilizer, manure, nitrate | field observation |
| 1623 | storage tank | 4 above ground tanks | nitrate, pesticides, fertilizers, petroleum products | field observation |
| 1624 | agriculture | corrals; 4 horses | fertilizer, manure, nitrate | field observation |
| 1625 | agriculture | pasture; corral; above ground tank | fertilizer, manure, nitrate | field observation |
| 1626 | agriculture | corral; barn | fertilizer, manure, nitrate | field observation |
| 1627 | agriculture | corral; 6 horses; hay | fertilizer, manure, nitrate | field observation |
| 1628 | agriculture | corral; horse and goat | fertilizer, manure, nitrate | field observation |
| 1629 | agriculture | farm equipment; large barn; several stacks of hay* | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1630 | agriculture | corn field; now grazed by 30 cows | nitrate, pesticides, fertilizers | field observation |
| 1631 | agriculture | corral; 3 donkeys | fertilizer, manure, nitrate | field observation |
| 1632 | large lawn | school field | pesticides, fertilizer | field observation |
| 1633 | agriculture | grazing area; 15 sheep | fertilizer, manure, nitrate | field observation |
| 1634 | agriculture | corral; haystacks; barn; horses | fertilizer, manure, nitrate | field observation |
| 1635 | large lawn | school field | pesticides, fertilizer | field observation |
| 1636 | large lawn | baseball field | pesticides, fertilizer | field observation |
| 1637 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1638 | storage tank | 4 large above ground storage tanks | solvents, petroleum products | field observation |
| 1639 | agriculture | greenhouse buildings; nursery; 2 above ground storage tanks | nitrate, pesticides, fertilizers | field observation |
| 1640 | agriculture | pasture area; 12 horses | fertilizer, manure, nitrate | field observation |
| 1641 | storage tank | above ground storage tank | solvents, petroleum products | field observation |
| 1642 | agriculture | barn; corral | fertilizer, manure, nitrate | field observation |
| 1643 | business | tire sales | metals, petroleum, solvents | field observation |
| 1644 | government | udot yard | chloride, nitrates, pesticides, petroleum products, solvents, metals | field observation |
| 1645 | business | lube; car repair; car wash | metals, petroleum, solvents | field observation |
| 1646 | business | checker auto parts | metals, petroleum, solvents | field observation |
| 1647 | business | beauty shop | metals, petroleum, solvents | field observation |
| 1648 | business | hardware store and garden center | metals, petroleum, solvents | field observation |
| 1649 | business | car wash | metals, petroleum, solvents | field observation |
| 1650 | large lawn | park | pesticides, fertilizer | field observation |
| 1651 | utility | substation | pcbs | field observation |
| 1652 | large lawn | parkside elementary school | pesticides, fertilizer | field observation |
| 1653 | storage tank | above ground storage tank | solvents, petroleum products | field observation |
| 1654 | agriculture | corral area | fertilizer, manure, nitrate | field observation |
| 1655 | business | gas station | metals, petroleum, solvents | field observation |
| 1656 | business | abandoned gas station | metals, petroleum, solvents | field observation |
| 1657 | agriculture | pasture; farm equipment | fertilizer, manure, nitrate | field observation |
| 1658 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1659 | agriculture | horse corrals | fertilizer, manure, nitrate | field observation |
| 1660 | agriculture | barn; corrals; hay | fertilizer, manure, nitrate | field observation |
| 1661 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1662 | agriculture | corral; cow; goat | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1663 | business | excavating service; trucks | metals, petroleum, solvents | field observation |
| 1664 | agriculture | horse corrals; 5 horses | fertilizer, manure, nitrate | field observation |
| 1665 | business | self storage | metals, petroleum, solvents | field observation |
| 1666 | agriculture | corral; 7 horses | fertilizer, manure, nitrate | field observation |
| 1667 | storage tank | above ground storage tank; farm equipment | solvents, petroleum products | field observation |
| 1668 | agriculture | pasture; 20 sheep | fertilizer, manure, nitrate | field observation |
| 1669 | agriculture | animal feed operation; manure; 60 cows; corral | fertilizer, manure, nitrate | field observation |
| 1670 | agriculture | large horse pasture; 4 horses | fertilizer, manure, nitrate | field observation |
| 1671 | agriculture | pasture; 3 horses | fertilizer, manure, nitrate | field observation |
| 1672 | agriculture | corral; sheep | fertilizer, manure, nitrate | field observation |
| 1673 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1674 | storage tank | above ground storage tank; rvs; boat | solvents, petroleum products | field observation |
| 1675 | agriculture | corrals; horses | fertilizer, manure, nitrate | field observation |
| 1676 | agriculture | pasture; horses; small piles of manure | fertilizer, manure, nitrate | field observation |
| 1677 | agriculture | corral; 8 horses | fertilizer, manure, nitrate | field observation |
| 1678 | agriculture | corral; several horses; barns; rvs; horse trailer | fertilizer, manure, nitrate | field observation |
| 1679 | agriculture | corral; horses | fertilizer, manure, nitrate | field observation |
| 1680 | agriculture | corral; horses | fertilizer, manure, nitrate | field observation |
| 1681 | large lawn | school field | pesticides, fertilizer | field observation |
| 1682 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1683 | large lawn | park | pesticides, fertilizer | field observation |
| 1684 | utility | substation | pcbs | field observation |
| 1685 | business | climbing equipment manufacturer | metals, petroleum, solvents | field observation |
| 1686 | business | petroleum products | metals, petroleum, solvents | field observation |
| 1687 | industry | industrial manufacturing | metals, petroleum, solvents | field observation |
| 1688 | industry | industrial manufacturing | metals, petroleum, solvents | field observation |
| 1689 | business | large supply store | metals, petroleum, solvents | field observation |
| 1690 | large lawn | park | pesticides, fertilizer | field observation |
| 1691 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1692 | agriculture | pasture with old barn | fertilizer, manure, nitrate | field observation |
| 1693 | storage tank | corral; old tractors; above ground tank | solvents, petroleum products | field observation |
| 1694 | agriculture | corral; cows | fertilizer, manure, nitrate | field observation |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1695 | large lawn | playing field | pesticides, fertilizer | field observation |
| 1696 | large lawn | baseball field | pesticides, fertilizer | field observation |
| 1697 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1698 | agriculture | old barn/feedlot; abandoned | fertilizer, manure, nitrate | field observation |
| 1699 | agriculture | old feedlot; barn | fertilizer, manure, nitrate | field observation |
| 1700 | agriculture | sheep grazing area | fertilizer, manure, nitrate | field observation |
| 1701 | large lawn | school field | pesticides, fertilizer | field observation |
| 1702 | business | deisel service; military vehicles | metals, petroleum, solvents | field observation |
| 1703 | business | scrapyard/junkyard | metals, petroleum, solvents | field observation |
| 1704 | business | self storage; rv parking | metals, petroleum, solvents | field observation |
| 1705 | business | gas station | metals, petroleum, solvents | field observation |
| 1706 | business | auto repair | metals, petroleum, solvents | field observation |
| 1707 | storage tank | above ground storage tank | nitrate, pesticides, fertilizers, petroleum products | field observation |
| 1708 | agriculture | greenhouses; nursery | nitrate, pesticides, fertilizers | field observation |
| 1709 | agriculture | corrals; barns; horses | fertilizer, manure, nitrate | field observation |
| 1710 | large lawn | park | pesticides, fertilizer | field observation |
| 1711 | agriculture | barns; corrals | fertilizer, manure, nitrate | field observation |
| 1712 | business | hardware | metals, petroleum, solvents | field observation |
| 1713 | business | car wash | metals, petroleum, solvents | field observation |
| 1714 | agriculture | corrals; horses | fertilizer, manure, nitrate | field observation |
| 1715 | large lawn | park | pesticides, fertilizer | field observation |
| 1716 | large lawn | cemetery | pesticides, fertilizer | field observation |
| 1717 | agriculture | corrals | fertilizer, manure, nitrate | field observation |
| 1718 | utility | substation | pcbs | field observation |
| 1719 | agriculture | corrals | fertilizer, manure, nitrate | field observation |
| 1720 | business | utility building; utility trailers | metals, petroleum, solvents | field observation |
| 1721 | large lawn | park | pesticides, fertilizer | field observation |
| 1722 | agriculture | horse corrals | fertilizer, manure, nitrate | field observation |
| 1723 | business | grocery store with gas station | metals, petroleum, solvents | field observation |
| 1724 | storage tank | construction equipment; above ground tank | solvents, petroleum products | field observation |
| 1725 | large lawn | baseball field | pesticides, fertilizer | air photos / field check |
| 1726 | agriculture | pasture | nitrate | field observation |
| 1727 | large lawn | park | pesticides; fertilizer | air photos / field check |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1728 | large lawn | cemetery | pesticides; metals; fertilizer | field observation |
| 1729 | utility | substation | pcbs | air photos / field check |
| 1730 | agriculture | abandoned farm area | nitrate | field observation |
| 1731 | large lawn | park | pesticides; nitrate; fertilizer | air photos / field check |
| 1732 | agriculture | grazing area | nitrate | air photos / field check |
| 1733 | large lawn | soccer field | pesticides; fertilizer | air photos / field check |
| 1734 | agriculture | corral | nitrate | air photos / field check |
| 1735 | salvage/landfill | personal junkyard; cars, trucks, equipment | metals, solvents, petroleum products | air photos / field check |
| 1736 | salvage/landfill | personal junkyard | metals, solvents, petroleum products | field observation |
| 1737 | agriculture | corrals; horses | nitrate; manure | air photos / field check |
| 1738 | agriculture | interconnected corrals; horses | nitrate; manure | field observation |
| 1739 | wastewater | wastewater/runoff lagoon | nitrates | air photos / field check |
| 1740 | agriculture | interconnected corrals, farm equipment; horses | nitrate; solvents; manure | air photos / field check |
| 1741 | agriculture | corrals | nitrate; manure | air photos / field check |
| 1742 | agriculture | corrals | nitrate; manure | air photos / field check |
| 1743 | agriculture | farm equipment; backhoes; trucks | metals; solvents; petroleum products | air photos / field check |
| 1744 | wastewater | storm runoff reservoir | solvents; petroleum products | field observation |
| 1745 | large lawn | school field | pesticides; fertilizer | air photos / field check |
| 1746 | agriculture | corral | nitrate | field observation |
| 1747 | agriculture | corrals; barns; horses | fertilizer, manure, nitrate | field observation |
| 1748 | salvage/landfill | personal junkyard; cars, busses, trucks | petroleum products; solvents | air photos / field check |
| 1749 | large lawn | urban grass/parks | fertilizer, pesticides | air photos / field check |
| 1750 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1751 | agriculture | corral | fertilizer, manure, nitrate | air photos / field check |
| 1752 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1753 | agriculture | large pasture; one horse | fertilizer, manure, nitrate | air photos / field check |
| 1754 | large lawn | urban grass/parks | fertilizer, pesticides | air photos / field check |
| 1755 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1756 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1757 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1758 | agriculture | horse corrals, farm equipment, barn | fertilizer, manure, nitrate | air photos / field check |
| 1759 | agriculture | horse corral, farm equipment, barn | fertilizer, manure, nitrate, solvents | air photos / field check |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 1760 | agriculture | horse corrals; barn; farm equipment; manure piles | nitrate, manure | air photos / field check |
| 1761 | agriculture | corral | fertilizer, manure, nitrate | field observation |
| 1762 | salvage/landfill | junkyard; old cars and trucks; scrap metal | petroleum products; solvents; metals | air photos / field check |
| 1763 | industry | plastics comany | organic chemicals | field observation |
| 1764 | utility | substation | pcb | air photos / field check |
| 1765 | agriculture | corral | nitrate; solvents; manure | air photos / field check |
| 1766 | agriculture | horse pasture | fertilizer, manure, nitrate | field observation |
| 1767 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1768 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 1769 | agriculture | pasture | fertilizer, manure, nitrate | field observation |
| 2027 | government | military base | solvents | air photo / topo map |
| 2028 | large lawn | cemetery | nitrates; pesticides | air photo / topo map |
| 2029 | large lawn | cemetery | nitrate; pesticides | air photo / topo map |
| 2030 | large lawn | playing field | nitrates; pesticides | air photo / topo map |
| 2031 | large lawn | cemetery | nitrate; pesticides | air photo / topo map |
| 2032 | large lawn | cemetery | nitrate; pesticides | air photo / topo map |
| 2033 | large lawn | cemetery | nitrate; pesticides | air photo / topo map |
| 2034 | large lawn | cemetery | nitrate; pesticides | air photo / topo map |
| 2035 | mining | gravel pit | metals | air photo / topo map |
| 2037 | mining | gravel pit | metals | air photo / topo map |
| 2039 | mining | gravel pit | metals | air photo / topo map |
| 2040 | mining | gravel pit | metals | air photo / topo map |
| 2041 | utility | substation | solvents | air photo / topo map |
| 2042 | mining | gravel pit | metals | air photo / topo map |
| 2043 | mining | gravel pit | metals | air photo / topo map |
| 2044 | large lawn | playing field | nitrate; pesticides | AGRC: LOCATIONS.parks |
| 2045 | utility | substation | solvents | air photo / topo map |
| 2046 | mining | gravel pit | metals | air photo / topo map |
| 2047 | mining | gravel pit | metals | air photo / topo map |
| 2048 | utility | substation | solvents | air photo / topo map |
| 2049 | utility | substation | solvents | air photo / topo map |
| 2050 | utility | substation | solvents | air photo / topo map |
| 2051 | utility | substation | solvents | air photo / topo map |

1 Site # corresponds to ID on plates 3a-3c.

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***Appendix B.*** *Inventory of potential groundwater contaminants in the East Shore area of Davis County, Utah (inventory performed October 2010).*

| SITE #[1] | POTENTIAL CONTAMINANT | LOCATION/SOURCE DESCRIPTION | POLLUTANT | SOURCE[2] |
|---|---|---|---|---|
| 2052 | large lawn | camping resort | nitrates; pesticides | AGRC: LOCATIONS.parks |
| 2053 | large lawn | park | nitrates; pesticides | AGRC: LOCATIONS.parks |
| 2054 | large lawn | park | nitratel; pesticides | AGRC: LOCATIONS.parks |
| 2055 | large lawn | park | nitrate; pesticides | AGRC: LOCATIONS.parks |
| 2056 | large lawn | park | nitrate; pesticides | AGRC: LOCATIONS.parks |
| 2057 | large lawn | park | nitrate; pesticide | AGRC: LOCATIONS.parks |
| 2058 | medical | hospital | metals, solvents | AGRC: LOCATION.HealthCareFacilities |
| 2059-2316 | septic | private septic system | nitrate | Davis County Health Dept. |

1 Site # corresponds to ID on plates 3a-3c.

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UTAH GEOLOGICAL SURVEY
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Plate 1
Utah Geological Survey Open-File Report 592
Groundwater Quality Classification for the
Basin-fill Aquifer, East Shore Area, Davis County, Utah

# PLATE 1
# TOTAL-DISSOLVED-SOLIDS CONCENTRATION FOR THE BASIN-FILL AQUIFER, EAST SHORE AREA, DAVIS COUNTY, UTAH

By
Janae Wallace, Paul Inkenbrandt, and
Mike Lowe, Utah Geological Survey

2012

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LOCATION OF STUDY AREA

## EXPLANATION

### Data source

- Utah Division of Drinking Water (525*)
- Utah Geological Survey (237*)
- U.S. Geological Survey (723*)
- Population center
- Davis County Line
- Water course
- Great Salt Lake
- Line of equal concentration of dissolved solids (mg/L)

### Total-dissolved-solids concentration

mg/L

- <250
- 250-500
- 501-750
- 751-1000
- 1001-1250
- 1251-1500
- 1501-1750
- 1751-2000
- Bedrock (not classified)

*number indicates TDS concentration in mg/L

N

0 1 2 3 4 Miles

0 1 2 3 4 Kilometers

1:50,000

This map was created from Geographic Information System (GIS) files.
Basemap constructed from features obtained from the Utah Automated Geographic Reference Center (http://agrc.utah.gov/).
Projection: Universal Transverse Mercator
Datum: North American 1983 Zone 12 N
Spheroid: Clarke 1866
Cartography by Paul Inkenbrandt

UTAH GEOLOGICAL SURVEY
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Utah Department of Natural Resources

**Plate 2**
**Utah Geological Survey Open-File Report 592**
**Groundwater Quality Classification for the**
**Basin-fill Aquifer, East Shore Area, Davis County, Utah**

# PLATE 2
# GROUNDWATER QUALITY CLASSIFICATION FOR THE BASIN-FILL AQUIFER, EAST SHORE AREA, DAVIS COUNTY, UTAH

By
Janae Wallace, Paul Inkenbrandt, and Mike Lowe,
Utah Geological Survey

2012

## EXPLANATION

### Data source

- Utah Division of Drinking Water (56*)
- Utah Geological Survey (16*)
- U.S. Geological Survey (72*)
- Groundwater flow direction (from Clark and others, 1990)
- Population center
- Perfected water well*
- Davis County Line
- Water course
- Great Salt Lake

### Groundwater quality classification

- Class IA - Pristine (TDS: < 500 mg/L)
- Class II - Drinking water quality (TDS: 500 - 3000 mg/L)
- Bedrock (not classified)

* number indicates site ID listed in appendix A
* all valid wells listed in the Utah Division of Water Rights database

N

0 0.95 1.9 2.85 3.8 Miles
0 0.95 1.9 2.85 3.8 Kilometers

1:50,000


LOCATION OF STUDY AREA

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Projection: Universal Transverse Mercator
Datum: North American 1983 Zone 12 N
Spheroid: Clarke 1866
Cartography by Paul Inkenbrandt

UTAH GEOLOGICAL SURVEY
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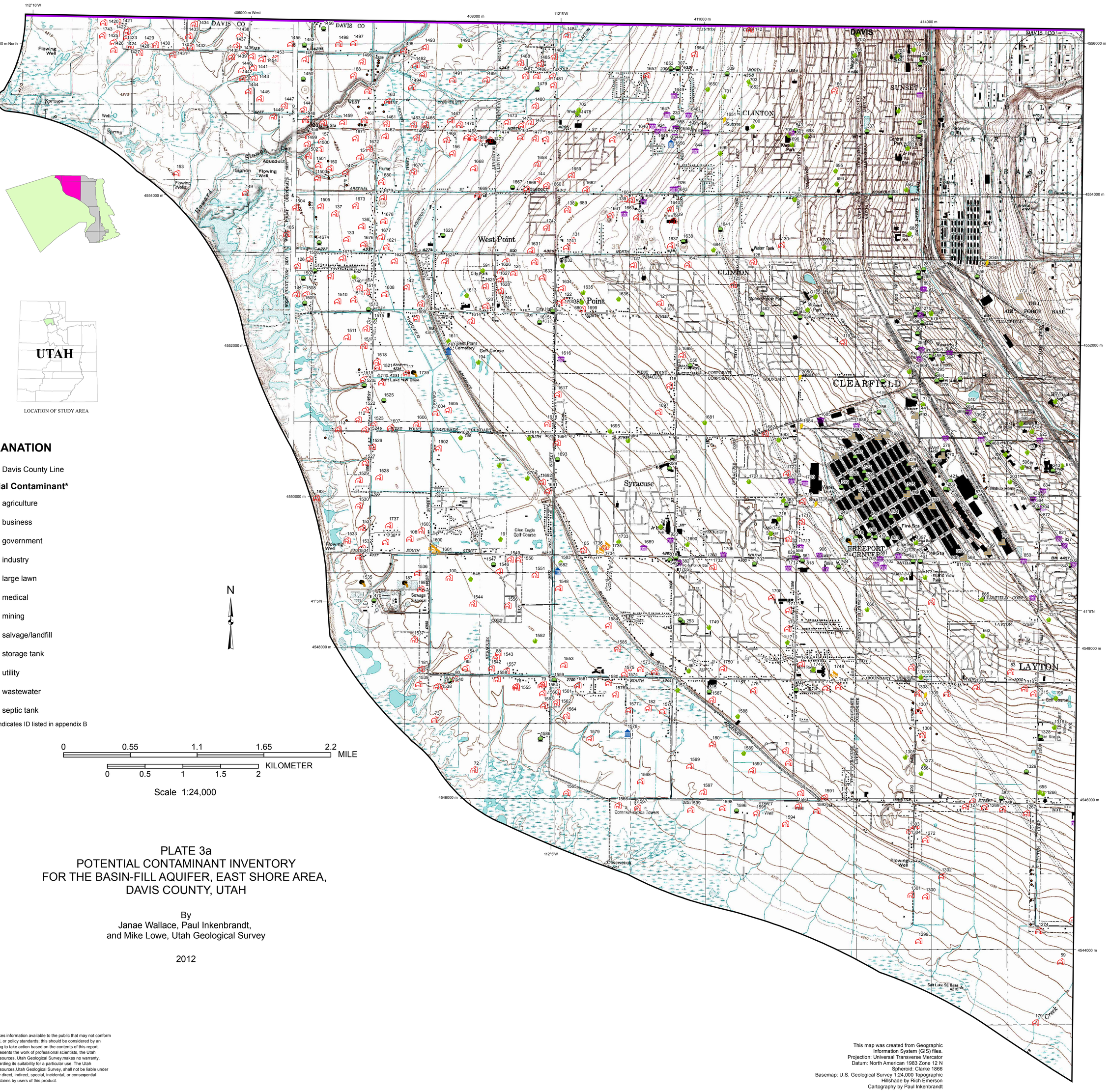
Plate 3a
Utah Geological Survey Open-File Report 592
Groundwater Quality Classification for the
Basin-fill Aquifer, East Shore Area, Davis County, Utah









LOCATION OF STUDY AREA

## EXPLANATION

- Davis County Line

**Potential Contaminant***

- agriculture
- business
- government
- industry
- large lawn
- medical
- mining
- salvage/landfill
- storage tank
- utility
- wastewater
- septic tank

* number indicates ID listed in appendix B

N

0 0.55 1.1 1.65 2.2 MILE

0 0.5 1 1.5 2 KILOMETER

Scale 1:24,000

# PLATE 3a
# POTENTIAL CONTAMINANT INVENTORY FOR THE BASIN-FILL AQUIFER, EAST SHORE AREA, DAVIS COUNTY, UTAH

By
Janae Wallace, Paul Inkenbrandt,
and Mike Lowe, Utah Geological Survey

2012

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This map was created from Geographic Information System (GIS) files.
Projection: Universal Transverse Mercator
Datum: North American 1983 Zone 12 N
Spheroid: Clarke 1866
Basemap: U.S. Geological Survey 1:24,000 Topographic
Hillshade by Rich Emerson
Cartography by Paul Inkenbrandt

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Plate 3b
Utah Geological Survey Open-File Report 592
Groundwater Quality Classification for the
Basin-fill Aquifer, East Shore Area, Davis County, Utah

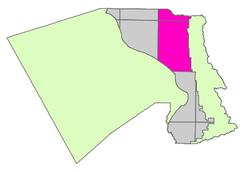
## EXPLANATION

Davis County Line

**Potential Contaminant***

- agriculture
- business
- government
- industry
- large lawn
- medical
- mining
- salvage/landfill
- storage tank
- utility
- wastewater
- septic tank

* number indicates ID listed in appendix B




LOCATION OF STUDY AREA

# PLATE 3b
# POTENTIAL CONTAMINANT INVENTORY
# FOR THE BASIN-FILL AQUIFER, EAST SHORE AREA, DAVIS COUNTY, UTAH

By
Janae Wallace, Paul Inkenbrandt,
and Mike Lowe, Utah Geological Survey

2012

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0 0.45 0.9 1.35 1.8 MILE
0 0.5 1 1.5 2 KILOMETER

Scale 1:24,000

N

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Plate 3c
Utah Geological Survey Open-File Report 592
Groundwater Quality Classification for the
Basin-fill Aquifer, East Shore Area, Davis County, Utah

# PLATE 3c
# POTENTIAL CONTAMINANT INVENTORY FOR THE BASIN-FILL AQUIFER, EAST SHORE AREA, DAVIS COUNTY, UTAH

By
Janae Wallace, Paul Inkenbrandt,
and Mike Lowe, Utah Geological Survey

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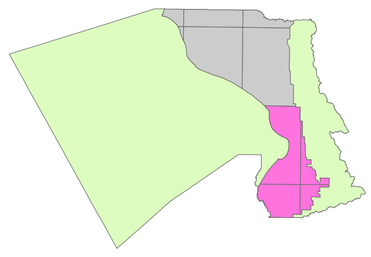


LOCATION OF STUDY AREA

## EXPLANATION

- Bountiful/Woods Cross contamination area+
- Davis County Line

**Potential Contaminant***

- agriculture
- business
- government
- industry
- large lawn
- medical
- mining
- salvage/landfill
- storage tank
- utility
- wastewater
- septic tank

* number indicates ID listed in appendix B

+ Prepared by CDM Federal Programs Corporation (2005) for the U.S. EPA. Area shown is tentative and approximate.

0 0.5 1 1.5 2 MILE

0 0.5 1 1.5 2 KILOMETER

Scale 1:24,000

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