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

Prepared for the Davis County Health Department

by

Janae Wallace, Paul Inkenbrandt, and Mike Lowe

Utah Geological Survey

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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 ground-water 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 ground-water quality and the potential for ground-water 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 ground-water quality, particularly development in the primary recharge areas, the areas most vulnerable to contamination. Local government officials would like to formally identify current ground-water quality to provide a basis for defendable land-use regulations to protect ground-water quality.

FACTUAL DATA

Sufficient information is available to classify ground-water 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 - Ground-water quality classification for the basin-fill aquifer showing ground-water quality classification, well locations, and ground-water flow direction.
- Plates 3a-c – Potential contaminant source inventory.

In addition, provided along with this petition are the following previously released publications containing valuable information about the Davis County part of the east shore area of Great Salt Lake basin-fill aquifer:

- *Ground-water Resources and Simulated Effects of Withdrawals in the East Shore Area of Great Salt Lake, Utah* (Clark and others, 1990).
- *Ground-water Resources and Simulated Effects of Withdrawals in the Bountiful Area, Utah* (Clark, 1991).

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,

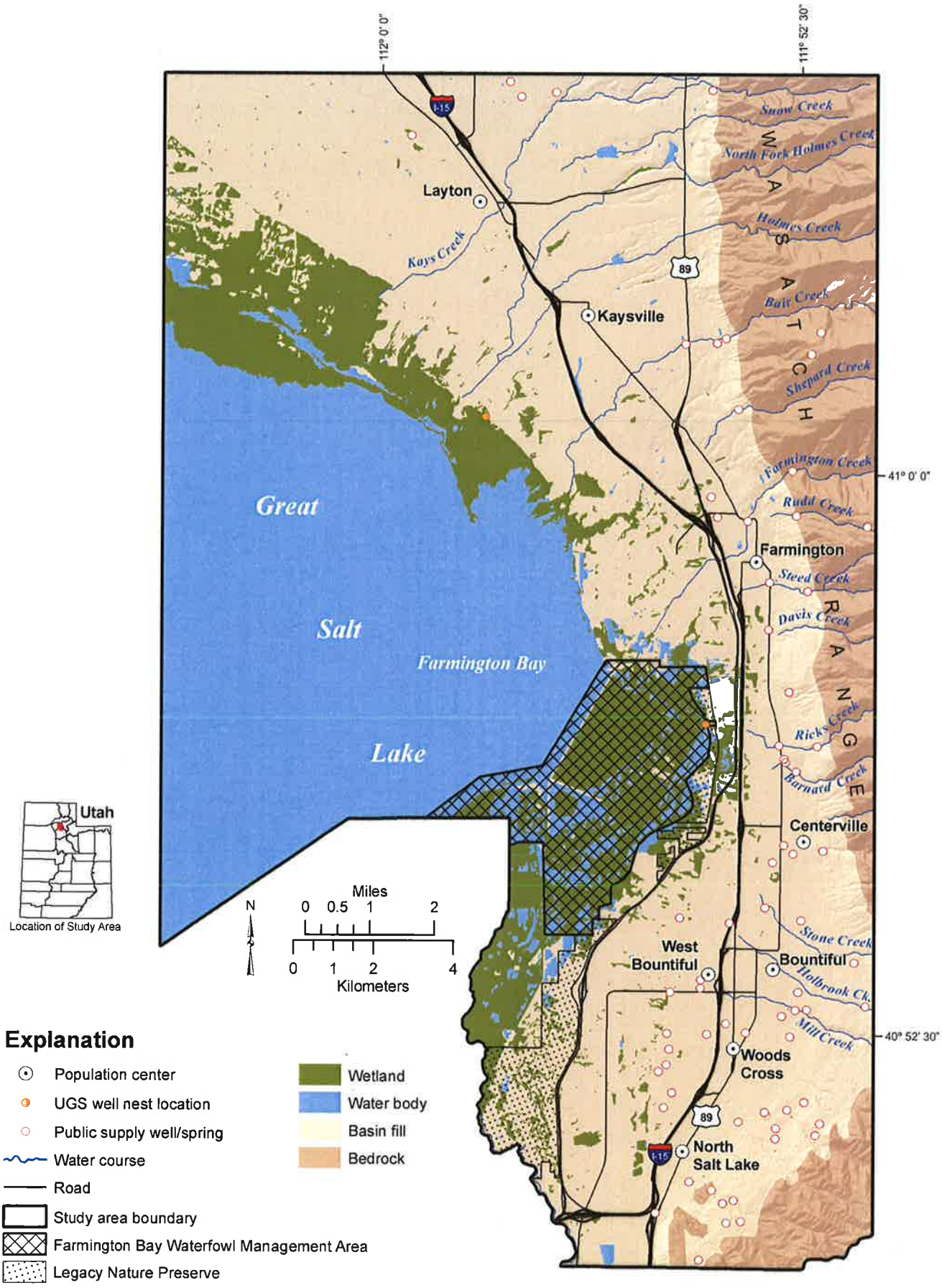

Figure 1. *Farmington Bay area, Davis County, Utah.*

1990); this report covers the Davis County portion of the east shore area (figure 1). Because the area considered for this ground-water 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).

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 ground-water 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 ground-water conditions in the east shore area of Great Salt Lake. Thomas and Nelson (1948) studied the geology and ground-water conditions in the vicinity of Bountiful. Dennis (1952) evaluated ground-water recharge in the east shore area. Hamblin (1954) studied the geology and ground-water 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 ground-water quality for the east shore area, and Smith and Gates (1963) evaluated changes in ground-water quality and water levels based on that data for the 1953-61 time period. Bolke and Waddell

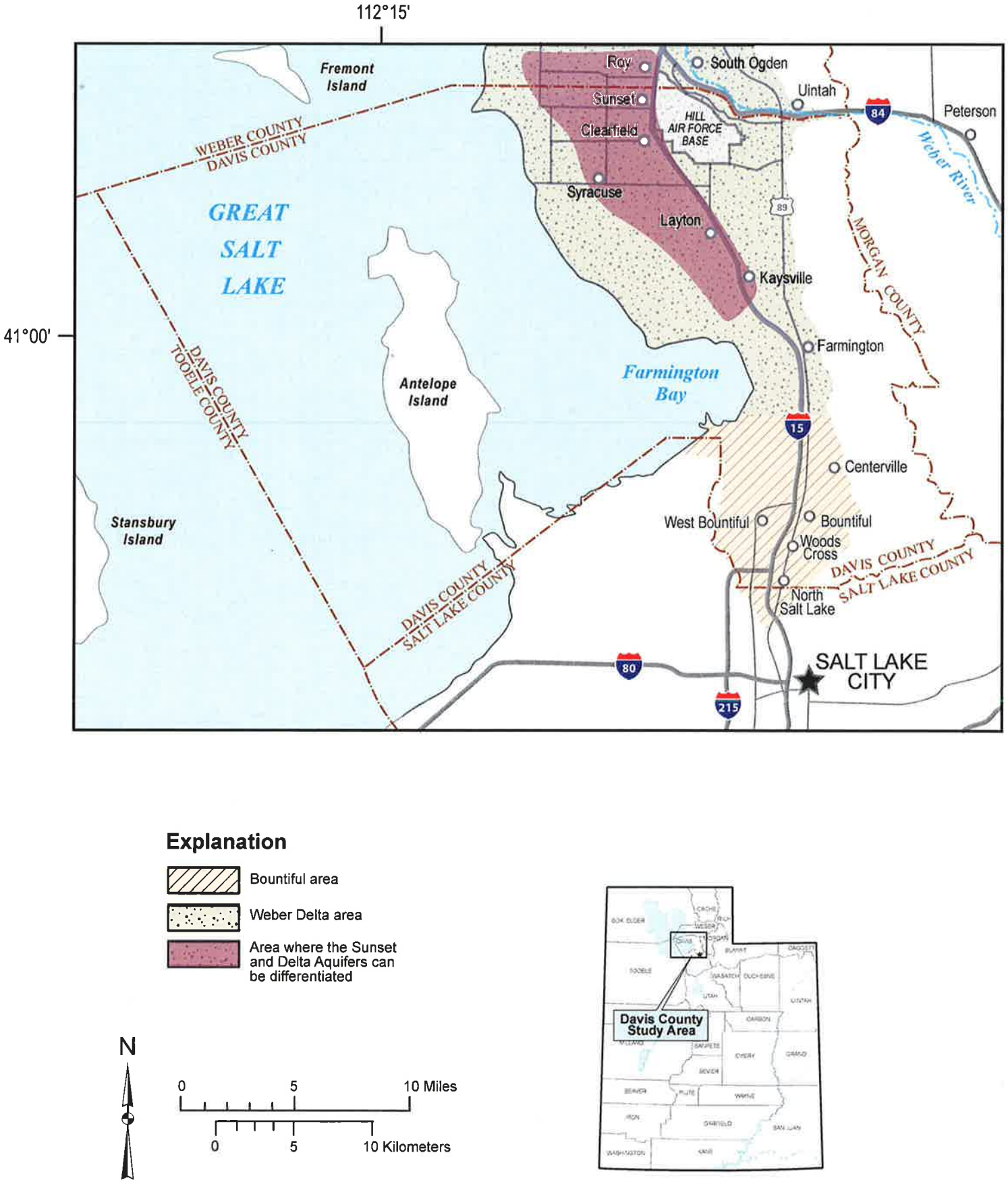

Figure 2. *The Weber Delta and Bountiful sub-areas of the east shore aquifer system, and extent of area where Delta and Sunset aquifers are distinguishable in Davis County, Utah (modified from Clark and others, 1990).*

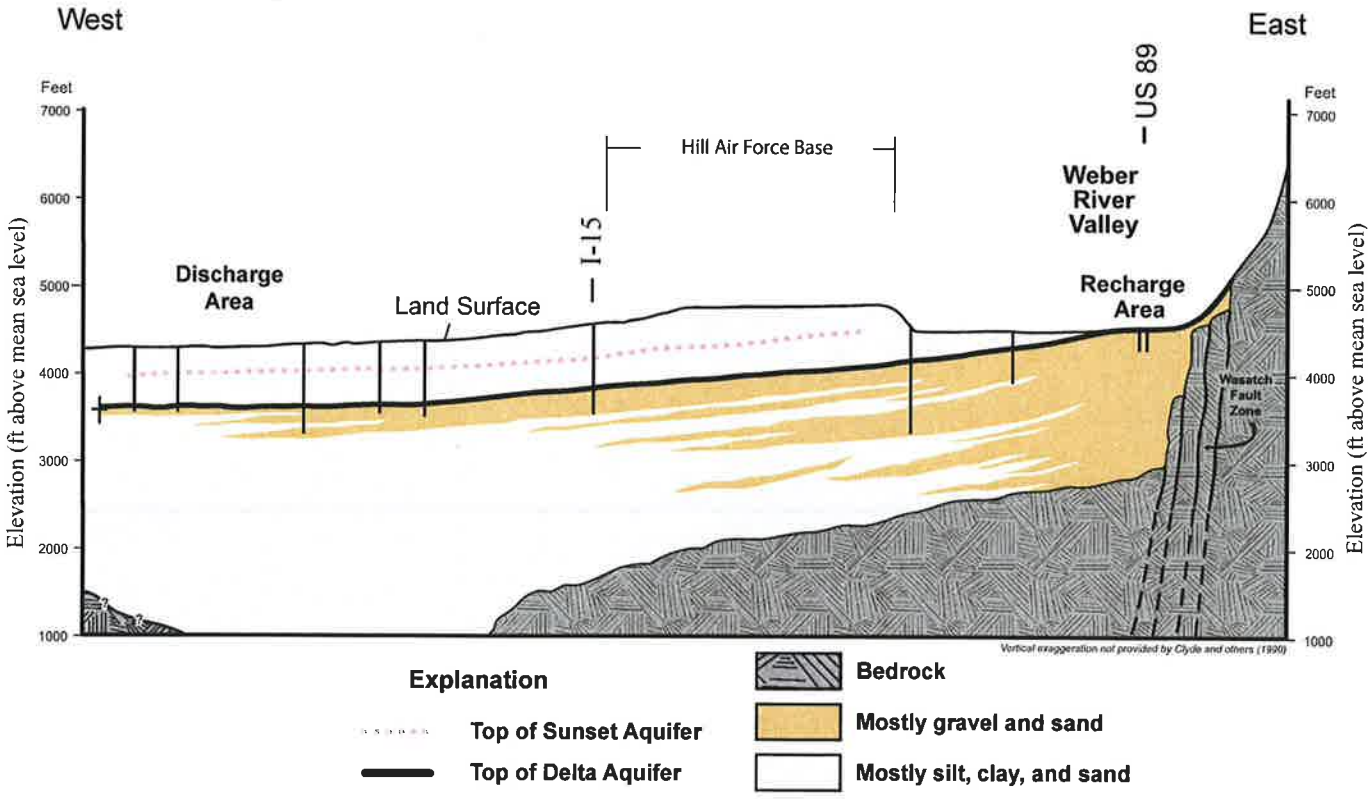

Figure 3. *Geologic profile through the central Weber Delta subdistrict, east shore area of Great Salt Lake, Utah (modified from Hurlow and others, 2011).*

(1972) mapped ground-water quality and evaluated changes in water levels and ground-water quality in the east shore area for the 1960-69 time period. Clyde and others (1984) constructed a ground-water 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 ground-water 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 ground-water withdrawals. Clark (1991) re-evaluated ground-water conditions and constructed a ground-water 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 ground-water 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 ground-water basins along the Wasatch Front, including a discussion of how water budgets changed from one ground-water study to the next. Yonkee and Lowe (2004) summarized ground-water 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 ground-water 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 ground-water conditions in Utah, including the east shore area, from 1975 to 2005. Yidana and others (2010) developed a water budget and evaluated ground-water supply to wetlands in the Farmington Bay area of Davis County.

GROUND-WATER 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 the 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 ground-water 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 ground water 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 ground water for northern Davis County and is composed mostly of coarse-grained, pre-Bonneville fluvial and deltaic sediments (Clark

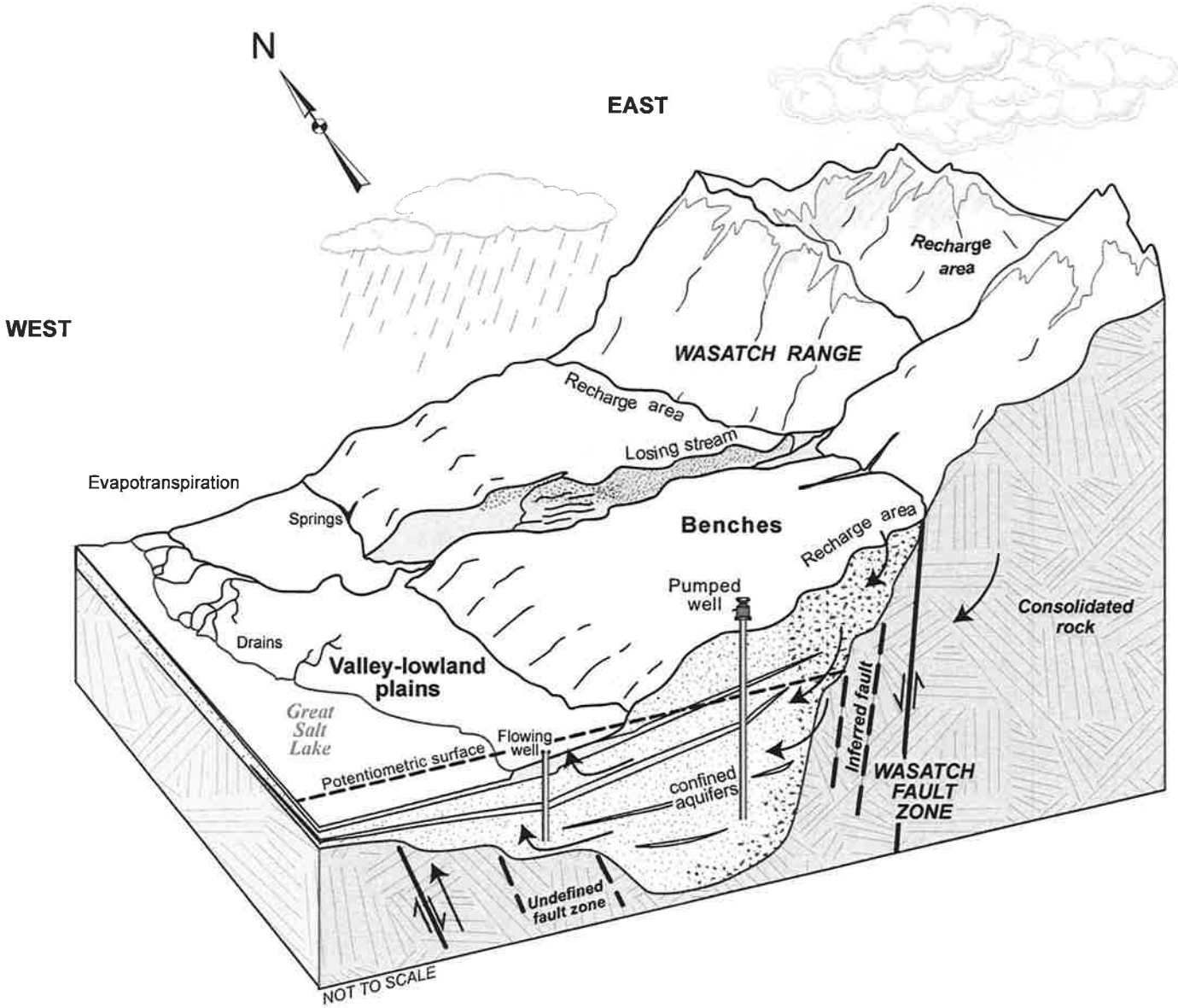

Figure 4. *Generalized block diagram showing water-bearing formations, probable direction of ground-water movement (arrows), and areas of recharge and discharge, east shore area of Great Salt Lake, Davis County, Utah (after Clark and others, 1990).*

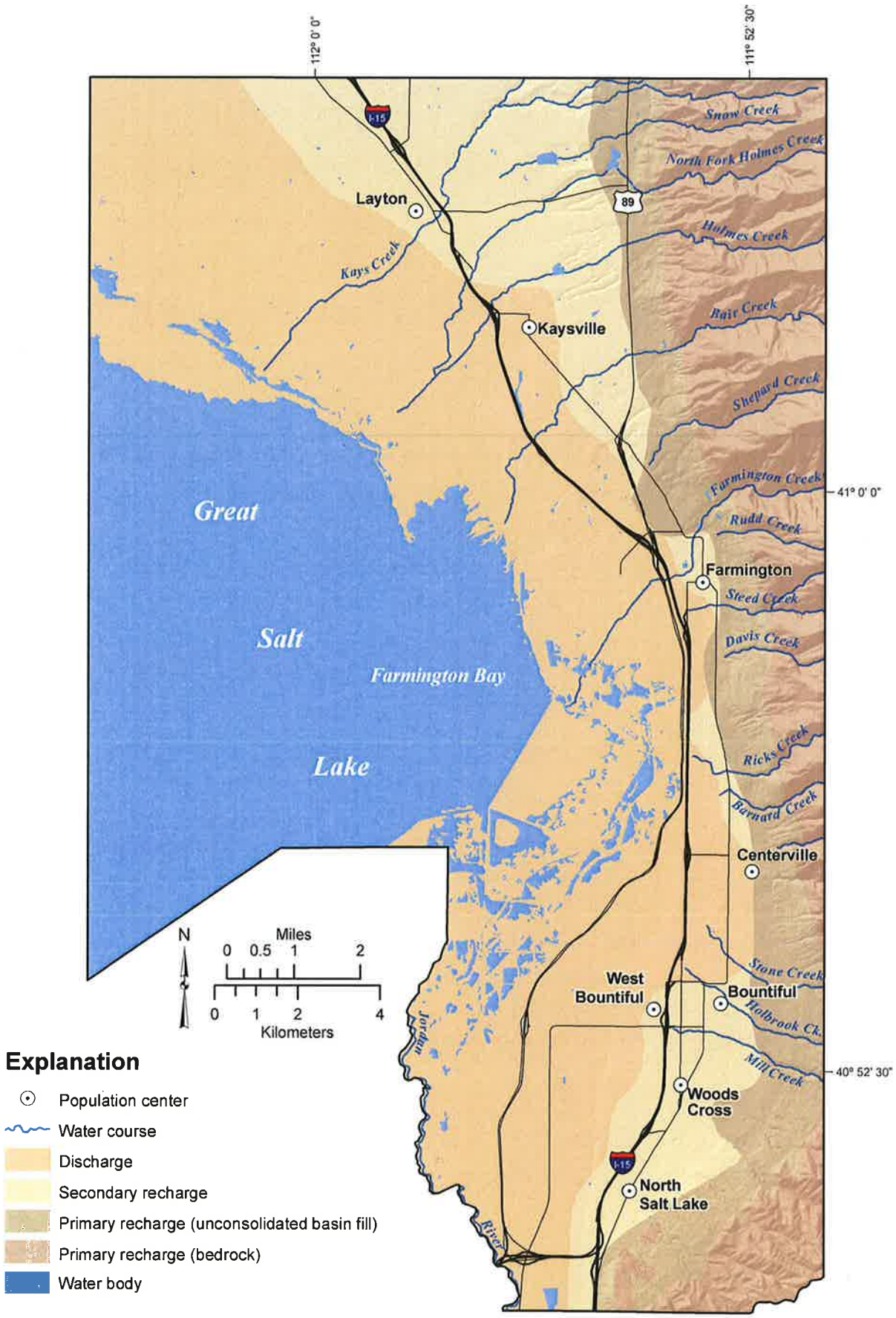

Figure 5. *Recharge and discharge areas for the east shore area, Davis County, Utah (from Anderson and others, 1994).*

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 ground water. 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; those two (confined) aquifers are the (upper) Sunset aquifer and the (lower) Delta 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).

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 ground-water source (Clark and others, 1990). 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.

The ultimate source of ground water 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 ground water, and ground-water 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).

Ground-water 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 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 0.25 to 0.07 for the Weber Delta sub-area, based on observed porosities and limited recharge tests (Feth and others, 1966). The Bountiful sub-area aquifers likely exhibit similar values.

Seasonal ground-water 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, ground-water 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 ground-water 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).

Ground-Water Quality from Previous Studies

Ground-water 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 ground-water 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, ground-water 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 ground-water 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 ground water 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

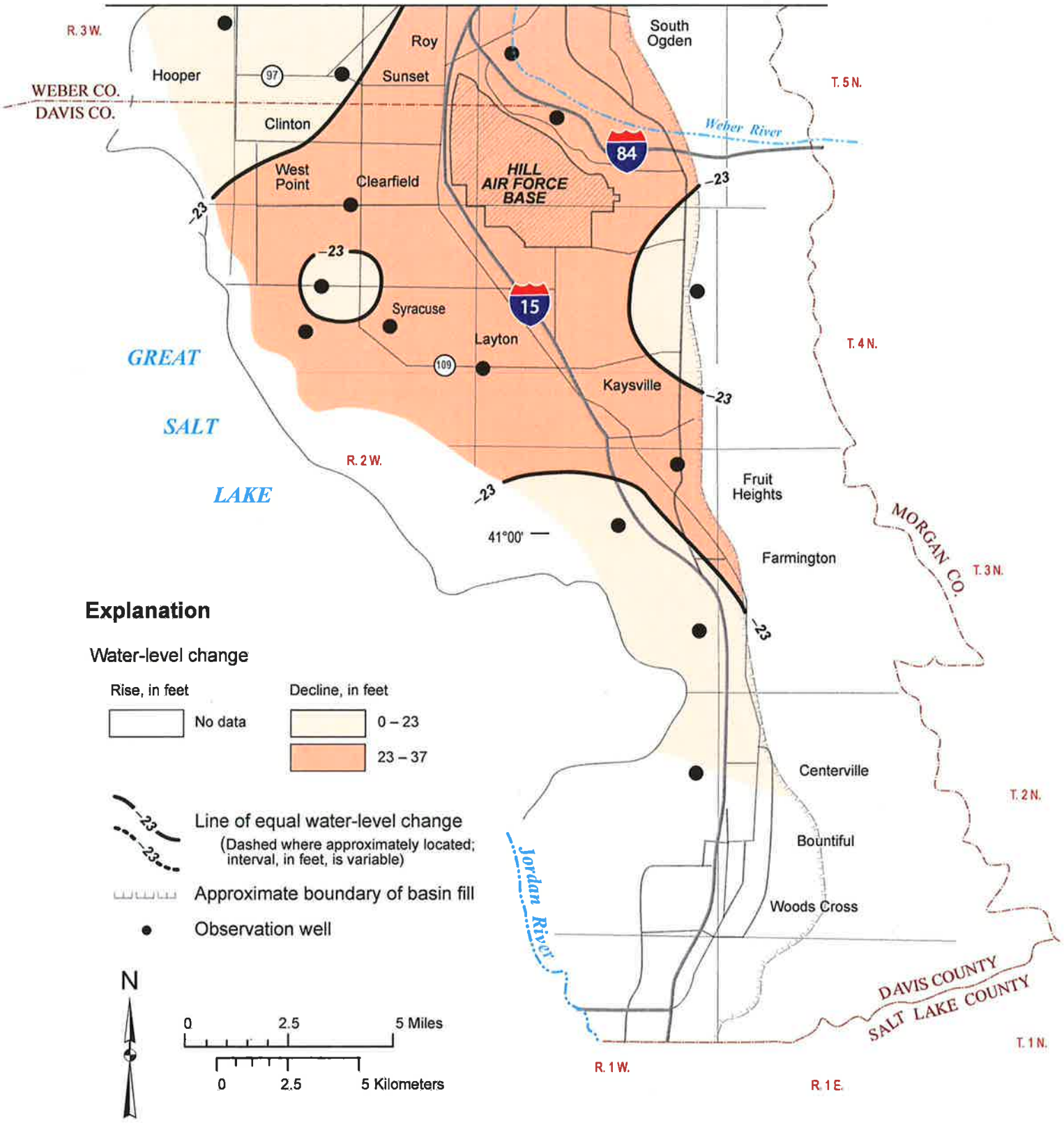

Figure 6. *Change of water level from March 1975 to March 2005, east shore area, Weber and Davis Counties, Utah (modified from Burden and others, 2005).*

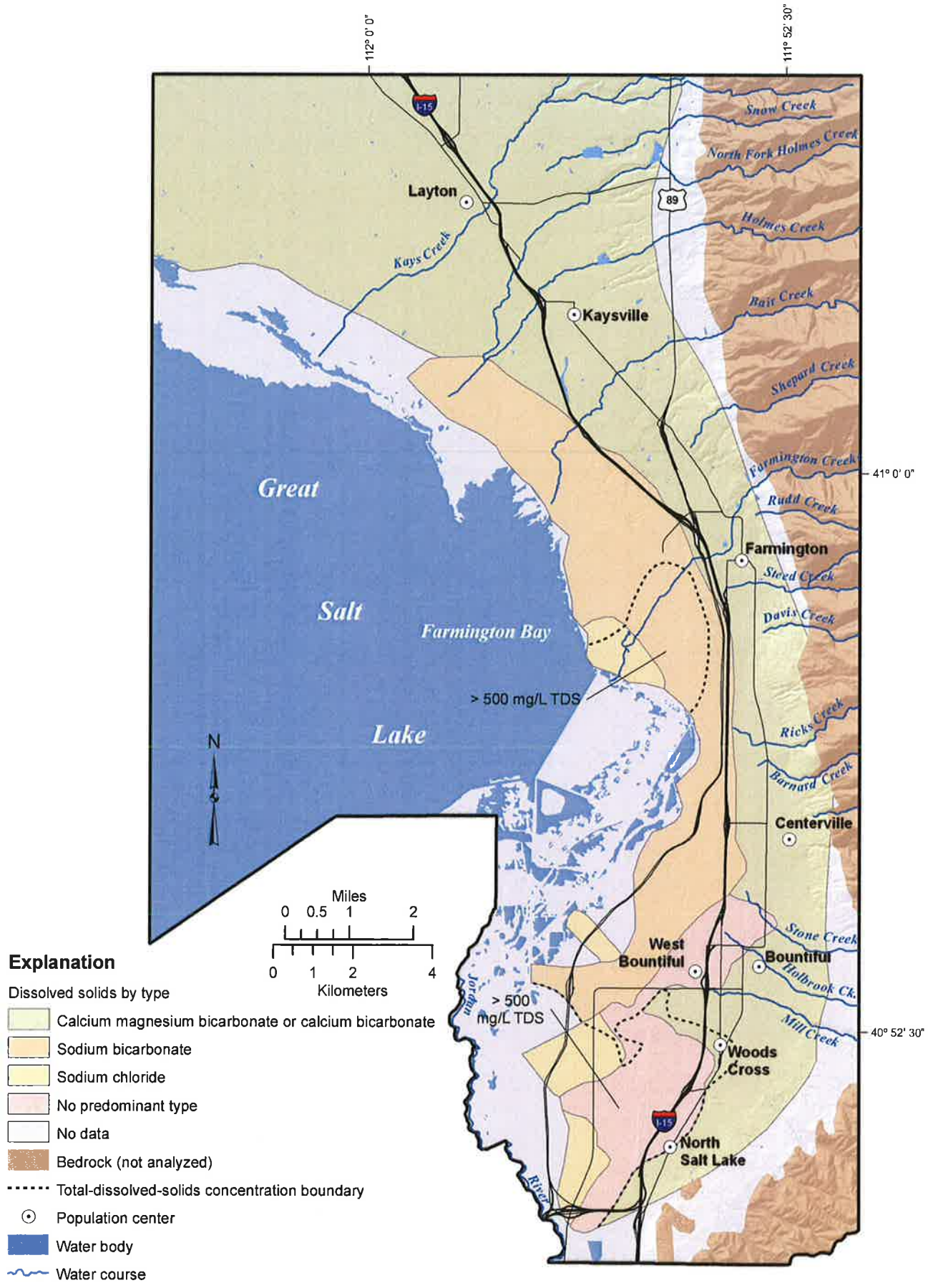

Figure 7. *Ground-water quality types and areas with greater than or less than 500 mg/L total-dissolved -solids (TDS) concentrations, east shore area, Davis County, Utah (modified from Clark and others, 1990).*

ground-water 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).

GROUND-WATER QUALITY CLASSIFICATION DATA

To facilitate this ground-water quality classification, the Utah Geological Survey sampled 20 sampled wells during 2010. The Utah Department of Epidemiology and Laboratory Services analyzed ground water from all of the wells for general chemistry, dissolved metals, and nutrients (appendix A); of these wells, ground water from two wells was analyzed for organics and pesticides and ground water 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 ground-water 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 ground-water 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 ground-water 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 82 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, 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 ground-water 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 alpha gross 15 pCi/L standard. No other wells exceed primary ground-water quality standards for any constituent; 20 wells exceed the secondary standard for iron (300 µg/L) (appendix A).

PROPOSED 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 ground-water quality classes are based on TDS concentrations as shown in table 1. Two other classes, IB and IC, are not based on ground-water chemistry. Class IB ground water, called Irreplaceable ground water, 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 ground water, called Ecologically Important ground water, is a source of ground-water discharge important to the continued existence of wildlife habitat. Ground-water 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 ground-water quality classes.

Davis County is petitioning 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 is based on ground-water 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

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

Ground-Water 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 ground water (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 ground-water quality class that is not based on TDS.
[2]Ecologically Important ground water (Class IC) is a source of ground-water 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.

aquitard to protect the deep aquifer from surface contamination, and the upward vertical hydraulic gradient in ground-water 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 ground water (in terms of TDS) and is generally not used for drinking water. The aquifer system in southern Davis County, where neither the Sunset nor the Delta aquifer exist, is less compartmentalized; 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.

Where insufficient data exists, extrapolation of ground-water quality conditions is required. We based the extrapolation 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 ground water: 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.

Class II- Drinking Water Quality ground water: 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 ground-water quality is dominantly found in the southeastern part of the study area (plate 2).

CURRENT BENEFICIAL USES

In Davis County, ground water from the basin-fill aquifer is an important source of domestic and municipal culinary water for people living within the valley; surface water, including drains, is an important source of water (Handy and others, 2009). Most water use for all of Davis County as summarized by 2008 municipal water users for Davis County is from drains (35%), followed by wells (25%), streams (23%), and other (17%) (Handy and others, 2009). Total estimated well water withdrawal in 2008 for Davis County was 26,201 acre-feet. Domestic use for 2008 was approximately 40%, wholesale use was 37.5%, commercial use was 10%, industrial use was 5.5%, irrigation and stock water use was about 4%, and other use was about 1% (Handy and others, 2009).

WATER-SUPPLY WELLS

There are 2785 approved perfected water wells in the Davis County part of the east shore aquifer system based on Utah Division of Water Rights records, 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 which include 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 ground-water 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 (UST and 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 wastes that are 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 ground water. 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 ground water. There are known existing sources of pollution in the Davis County part of the east shore aquifer system. Concentrations of organic solvents such as toluene and trichloroethane, exceeding ground-water 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 ground-water 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).

GROUND-WATER FLOW

Ground-water 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

Ground water is an important source of drinking water in the Davis County part of the east shore aquifer system. Ground-water quality classification is a tool that can be used in Utah to manage potential ground-water contamination sources and protect the quality of ground-water resources. The results of the proposed ground-water quality classification for the Davis County part of the east shore aquifer system indicate that the basin-fill aquifer contains mostly high-

quality ground-water 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 ground water, and 15% is classified as having Class II ground water, 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 U.S. Geological Survey (USGS) between 1960 and 2010.

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APPENDICES

Well-Numbering System

The numbering system for wells in this study is based on the Federal Government cadastral land-survey system that divides Utah into four quadrants (A-D) separated by the Salt Lake Base Line and Meridian (figure A.1.). The study area includes the northwestern quadrant (D). The wells are numbered with this quadrant letter (B), followed by township and range, all enclosed in parentheses. The next set of characters indicates the section, quarter section, quarter-quarter section, and quarter-quarter-quarter section designated by letters a through d, indicating the northeastern, northwestern, southwestern, and southeastern quadrants, respectively. A number after the hyphen corresponds to an individual well within a quarter-quarter-quarter section. For example, the well (B-4-2)9adb-1 would be the first well in the northwestern quarter of the southeastern quarter of the northeastern quarter of section 9, Township 4 North, Range 2 West (NW¼SE¼NE¼ section 9, T. 4 N., R. 2 W.).

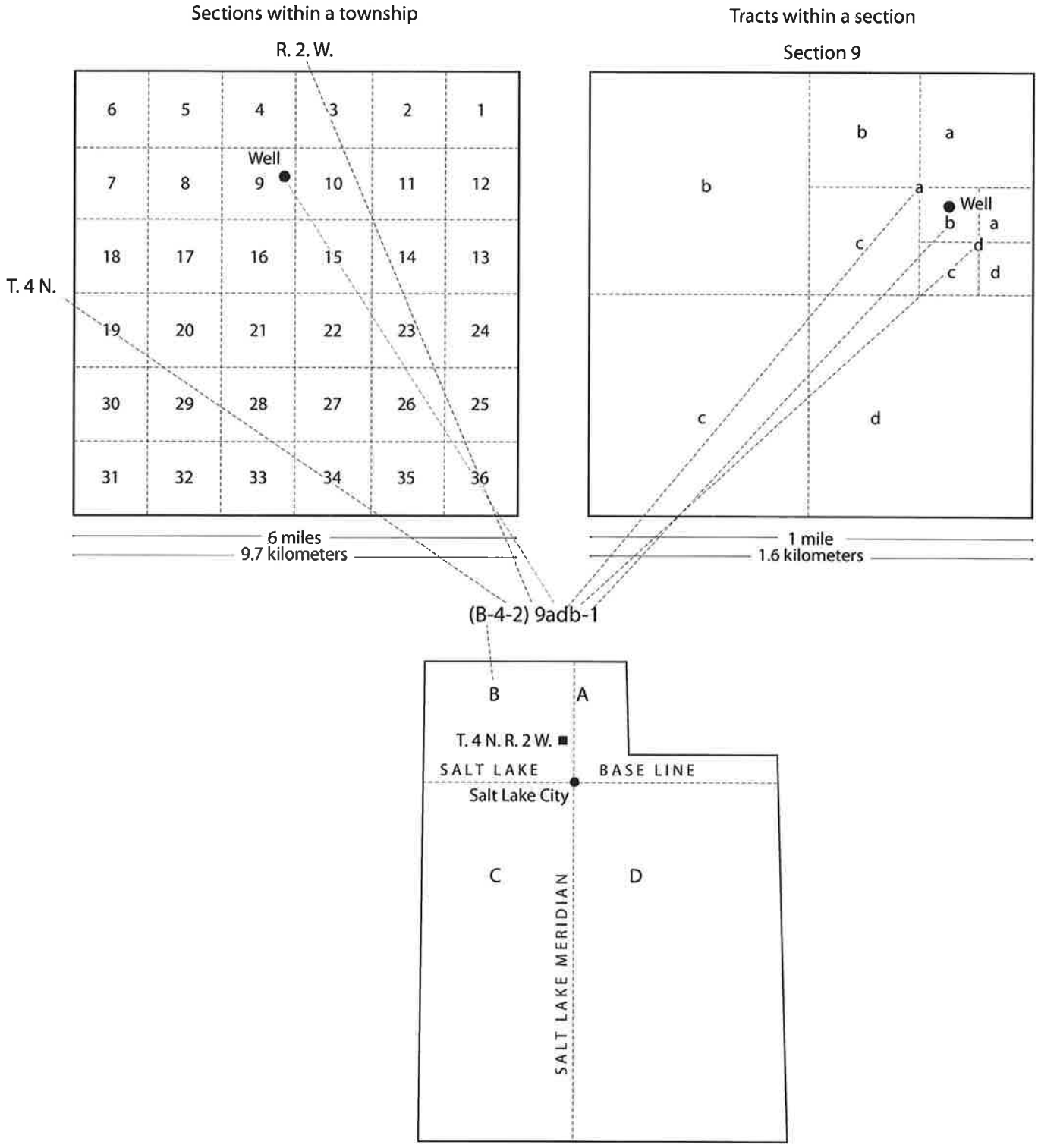

Figure A.1. *Numbering system for wells in Utah using USGS cadastral location.*

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

SITE ID	Well Location	UTM Easting (m)	UTM Northing (m)	Sample Date	Well Depth (Feet)	Data source[1]	Solids, residue @180°C, dissolved (mg/L)	3-Hydroxy-carbofuran (µg/L)	Aldicarb sulfone (µg/L)	Aldicarb sulfoxide (µg/L)	Aldicarb (µg/L)	Alpha, gross (pCi/L)
1	(B-4-2)7bdc-1	406311.5	4550104	5/12/2010	577	UGS	246	-	-	-	-	-
2	(A-2-1)7ddc-1	426278	4529741	5/17/2010	370	UGS	308	-	-	-	-	-
3	(B-4-1)22dda-1	421708.2	4546044	5/17/2010	200	UGS	282	-	-	-	-	1.1
4	(B-2-1)13adb-1	424545.2	4529050	5/17/2010	185	UGS	320	-	-	-	-	-
5	(B-3-1)26aac-1	423113.3	4535767	5/12/2010	264	UGS	566	-	-	-	-	-
6	(B-4-2)25bbc-1	413824.2	4545634	5/11/2010	476	UGS	132	<2	<2	<2	<2	-
7	(B-4-2)22cbc-1	410580.3	4546585	5/11/2010	460	UGS	170	-	-	-	-	-
8	(B-2-1)14daa-1	423129.9	4528757	5/17/2010	240	UGS	188	-	-	-	-	-
9	(B-3-1)9daa-1	420132.8	4540031	5/12/2010	591	UGS	206	-	-	-	-	-
10	(B-5-3)25dbd-1	405254.5	4554563	5/11/2010	524	UGS	224	<2	<2	<2	<2	2.4
11	(B-2-1)26bcb-1	421811.2	4525975	5/17/2010	375	UGS	654	-	-	-	-	-
12	(B-3-1)4acc-1	419450.4	4541884	5/12/2010	619	UGS	204	-	-	-	-	-
13	(B-2-1)14dbc-1	422591	4528478	5/12/2010	352	UGS	212	-	-	-	-	-
14	(B-3-1)26dbd-1	422866.4	4535108	5/17/2010	283	UGS	590	-	-	-	-	-
15	(B-2-1)23dab-1	422934.2	4527199	5/17/2010	250	UGS	322	-	-	-	-	-
16	(B-2-1)13aab-2	424629.4	4529535	5/12/2010	396	UGS	174	-	-	-	-	-
17	(B-4-2)17abb-1	408233.7	4549189	5/11/2010	600	UGS	246	-	-	-	-	-
18	(B-4-2)7dda-1	407303.1	4549489	5/11/2010	460	UGS	220	-	-	-	-	-
19	(B-2-1)23ddd-1	423073.1	4526671	5/17/2010	255	UGS	488	-	-	-	-	-
20	(B-5-3)25adc-1	405429	4555107	5/11/2010	616	UGS	212	-	-	-	-	-
21	(A-2-1)6dad-1	426334.6	4531773	1/13/2009	332	DDW	380	-	-	-	-	8.3
22	(A-3-1)31adc-1	426234.5	4533843	1/3/2006	446	DDW	146	-	-	-	-	-
23	(A-2-1)7dca-1	426064.6	4529983	1/3/2006	650	DDW	298	-	<2	<2	-	3
24	(A-2-1)6aba-1	425913	4532440	1/13/2003	593	DDW	160	-	-	-	-	31
25	(A-2-1)7dbd-1	426099.5	4530253	1/3/2006	600	DDW	212	-	<2	<2	-	1.9
26	(A-2-1)18abb-1	425731	4529489	4/2/2001	417	DDW	200	-	<2	<2	-	70
27	(A-2-1)6acd-1	426037.5	4532098	1/13/2009	365	DDW	240	-	-	-	-	10.6
28	(B-4-1)6ddd-1	417044.6	4550811	7/15/1999	836	DDW	326	-	-	-	-	-
29	(B-4-2)1acd-1	415039.5	4551574	4/12/1994	668	DDW	354	-	-	-	-	-
30	(B-4-2)12bbc-1	413906.7	4550519	8/18/2005	413	DDW	318	-	-	-	-	-
31	(B-4-2)12bdc-1	414296.5	4549994	7/17/2008	774	DDW	256	-	<2	<2	<1	-
32	(B-5-1)31dcd-1	416576.7	4552519	5/9/2007	305	DDW	330	-	<2	<2	<1	-

[1] UGS is Utah Geological Survey, DDW is Utah Divsion of Drinking Water, USGS is U.S. Geological Survey; - indicates no data; M indicates detected but not quantified

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

SITE ID	Well Location	UTM Easting (m)	UTM Northing (m)	Sample Date	Well Depth (Feet)	Data source[1]	Solids, residue @180°C, dissolved (mg/L)	3-Hydroxy-carbofuran (µg/L)	Aldicarb sulfone (µg/L)	Aldicarb sulfoxide (µg/L)	Aldicarb (µg/L)	Alpha, gross (pCi/L)
33	(B-5-2)26caa-1	413034.9	4554783	8/25/1999	937	DDW	304	-	-	-	-	-
34	(A-3-1)18ccb-1	425110.6	4538025	11/20/2000	223	DDW	200	<2	<2	<2	<1	-
35	(A-3-1)19cda-1	425598.6	4536457	11/20/2000	300	DDW	220	<2	<2	<2	<1	-
36	(A-3-1)30aad-1	426475.7	4535684	3/8/2005	302	DDW	94	<2	<2	<2	<1	-
37	(A-3-1)30caa-1	425640.1	4535309	3/8/2005	320	DDW	86	<2	<2	<2	<1	-
38	(A-3-1)19cda-2	425605.4	4536506	7/10/2007	517	DDW	320	-	<2	<2	<1	11.8
39	(A-2-1)31cdd-1	425660.4	4523231	9/18/1997	284	DDW	488	-	-	-	-	-
40	(A-2-1)31cdd-2	425608.6	4523281	12/11/2000	273	DDW	524	<0.3	<1	<1	<1	-
41	(A-2-1)31cdd-3	425605.7	4523235	12/11/2000	500	DDW	524	<0.3	<1	<1	<1	-
42	(A-1-1)6acb-1	425852.3	4522653	12/11/2000	405	DDW	642	<0.3	<1	<1	<1	-
43	(A-1-1)6abd-1	425921.1	4522871	3/16/2006	410	DDW	796	<2	<1	<1	<1	<2
44	(A-2-1)31ddc-1	426219.8	4523348	3/16/2006	480	DDW	780	-	-	-	-	-
45	(B-5-1)27dcc-1	421283.4	4553886	5/7/2004	350	DDW	392	-	-	-	-	2
46	(B-5-2)26daa-1	413795.4	4554724	8/5/1996	920	DDW	278	-	<0.4	<0.4	<0.1	<2
47	(B-4-2)10daa-2	412175.8	4549947	12/29/1991	628	DDW	304	-	-	-	-	<2
48	(B-4-2)14baa-1	412912.7	4549136	12/29/1991	610	DDW	256	-	-	-	-	<2
49	(B-4-2)14baa-2	412907.8	4549141	1/30/2009	1005	DDW	238	-	<2	<2	<1	
50	(B-2-1)25daa-1	424728.5	4525511	3/17/2009	810	DDW	432	-	<2	<2	<1	8.3
51	(A-2-1)30ddb-1	426191	4525134	11/29/2007	620	DDW	774	-	-	-	-	15.2
52	(B-3-1)13dca-1	424448.3	4538114	4/7/1997	705	DDW	286	-	-	-	-	-
53	(A-2-1)20dab-1	427826	4527027	2/5/2002	610	DDW	290	<2	<2	<2	<1	6
54	(B-2-1)24bda-1	424059.1	4527568	2/15/1994	690	DDW	340	-	-	-	-	-
55	(B-2-1)24aaa-1	424722	4527991	7/31/2009	600	DDW	430	-	-	-	-	-
56	(A-2-1)17ccc-1	426510.1	4528055	6/12/2007	500	DDW	726	-	-	-	-	-
57	(A-2-1)30acd-1	426021.5	4525680	12/18/1995	514	DDW	582	-	-	-	-	-
58	(A-2-1)32ccb-1	426592.9	4523578	6/12/2007	396	DDW	808	-	-	-	-	-
59	(A-2-1)28bca-1	428338.4	4525902	6/12/2007	560	DDW	268	-	-	-	-	-
62	(B-1-1)10aac-1	421248.4	4521255	7/31/1984	231	usgs	1660	-	-	-	-	-
68	(B-2-1)34add-2	421512.4	4524059	6/30/1978	410	usgs	1680	-	-	-	-	-
69	(B-2-1)26cdd-3	422434.2	4524882	1/25/1962	425	usgs	1780	-	-	-	-	-
70	(B-2-1)26cda-3	422577.2	4525127	8/17/1984	250	usgs	616	-	-	-	-	-
71	(B-2-1)26cda-5	422391.3	4525252	8/17/1984	305	usgs	616	-	-	-	-	-

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

SITE ID	Well Location	UTM Easting (m)	UTM Northing (m)	Sample Date	Well Depth (Feet)	Data source[1]	Solids, residue @180°C, dissolved (mg/L)	3-Hydroxy-carbofuran (µg/L)	Aldicarb sulfone (µg/L)	Aldicarb sulfoxide (µg/L)	Aldicarb (µg/L)	Alpha, gross (pCi/L)
72	(B-2-1)26aad-1	423150.9	4526262	8/17/1984	250	usgs	582	-	-	-	-	-
73	(B-2-1)26abb-2	422590.2	4526360	8/21/1968	273	usgs	373	-	-	-	-	-
74	(A-2-1)20ddb-1	427761.4	4526740	8/4/1998	591	usgs	290	-	-	-	<0.55	-
75	(B-2-1)23add-1	423185.8	4527372	8/17/1984	322	usgs	307	-	-	-	-	-
76	(B-2-1)24bad-3	423938.8	4527765	8/1/1979	386	usgs	292	-	-	-	-	-
77	(B-2-1)23aaa-1	423192.3	4527989	8/20/1968	322	usgs	396	-	-	-	-	-
78	(B-2-1)15dda-1	421627.2	4528252	11/12/1968	450	usgs	349	-	-	-	-	-
79	(A-2-1)18abb-2	425781.9	4529535	7/11/1961	563	usgs	205	-	-	-	-	-
80	(B-2-1)13aab-1	424682.4	4529546	8/31/1984	264	usgs	237	-	-	-	-	-
81	(A-2-1)7aba-4	425772.8	4530954	8/28/2007	450	usgs	136	-	-	-	-	-
82	(A-3-1)31cda-3	425653.7	4533176	10/14/1998	160	usgs	234	-	-	-	<0.55	-
83	(B-3-1)35aba-1	422792.8	4534531	11/28/1960	1220	usgs	752	-	-	-	-	-
84	(B-3-1)25dab-1	424670.9	4535282	8/31/1984	265	usgs	712	-	-	-	-	-
85	-3-1)30bdd-1 P	425743.3	4535502	8/23/2010	228	usgs	757	-	-	-	<0.12	-
86	(B-3-1)27ada-1	421728.6	4535590	12/11/1968	850	usgs	354	-	-	-	-	-
87	(B-3-1)24bca-1	423638.2	4537143	11/9/1960	176	usgs	434	-	-	-	-	-
88	(B-3-1)14cdd-1	422360.1	4537835	8/1/1972	94	usgs	520	-	-	-	-	-
89	(B-3-1)15acd-1	421317.1	4538648	9/11/1969	260	usgs	349	-	-	-	-	-
90	(B-3-1)15bac-1	420481.4	4539150	8/4/1981	985	usgs	254	-	-	-	-	-
91	(B-3-1)12ccd-1	422984.1	4539401	8/16/1984	1005	usgs	251	-	-	-	-	-
92	(B-3-1)4cdb-4	419010.3	4541356	8/20/1968	657	usgs	222	-	-	-	-	-
93	(B-3-1)5dda-1	418473.5	4541393	8/31/1984	908	usgs	199	-	-	-	-	-
94	(B-3-1)5ddb-3	418287	4541426	8/31/1984	655	usgs	195	-	-	-	-	-
95	(B-3-1)4bca-2	418668.5	4542131	8/6/1984	250	usgs	208	-	-	-	-	-
96	(B-4-2)25dad-1	415312.6	4544790	8/20/1968	465	usgs	157	-	-	-	-	-
97	(B-4-2)27aba-1	411709	4546067	7/21/2010	304	usgs	399	-	-	-	-	-
98	(B-4-2)20cca-1	407509.5	4546273	11/18/1968	595	usgs	241	-	-	-	-	-
99	(B-4-2)20ada-1	408919.6	4547026	8/15/1984	600	usgs	210	-	-	-	-	-
100	(B-4-1)18ddc-1	416663.7	4547537	9/23/1998	585	usgs	179	-	-	-	<0.55	-
101	(B-4-1)16bdd-1	419390.9	4548353	8/9/1984	568	usgs	145	-	-	-	-	-
102	(B-4-1)8dcd-1	418209.2	4549106	8/22/1984	707	usgs	219	-	-	-	-	-
103	(B-4-2)7dcc-1	406590.8	4549276	8/28/1968	400	usgs	252	-	-	-	-	-

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SITE ID	Well Location	UTM Easting (m)	UTM Northing (m)	Sample Date	Well Depth (Feet)	Data source[1]	Solids, residue @180°C, dissolved (mg/L)	3-Hydroxy-carbofuran (µg/L)	Aldicarb sulfone (µg/L)	Aldicarb sulfoxide (µg/L)	Aldicarb (µg/L)	Alpha, gross (pCi/L)
104	(B-4-2)7ccc-1	405915	4549346	5/14/1969	190	usgs	264	-	-	-	-	-
105	(B-4-1)10bbb-1	420324.5	4550501	9/8/1961	1205	usgs	227	-	-	-	-	-
106	(B-4-2)7bad-1	406538.9	4550695	8/15/1984	1005	usgs	253	-	-	-	-	-
107	(B-4-2)12bbb-1	413864.1	4550667	8/28/1968	774	usgs	297	-	-	-	-	-
108	(B-4-1)7baa-1	416220.4	4550671	12/4/1961	902	usgs	273	-	-	-	-	-
109	(B-4-1)3ccd-1	420561.1	4550807	8/9/1984	1005	usgs	276	-	-	-	-	-
110	(B-4-1)6adc-1	416792.1	4551713	9/19/1984	805	usgs	322	-	-	-	-	-
111	(B-4-1)3aad-1	421867.3	4552015	9/24/1998	544	usgs	340	-	-	-	<0.55	
112	(B-4-2)6baa-2	406537.7	4552422	11/14/1968	609	usgs	250	-	-	-	-	-
113	(B-5-2)32ddd-1	408870.1	4552424	1/5/1961	871	usgs	236	-	-	-	-	-
114	(B-5-3)36ddd-2	405747.2	4552618	8/4/1981	303	usgs	211	-	-	-	-	-
115	(B-5-1)33cda-1	419344.5	4552609	7/23/1969	730	usgs	347	-	-	-	-	-
116	(B-5-3)36dad-2	405797	4552864	5/5/1969	785	usgs	228	-	-	-	-	-
117	(B-5-3)36ada-1	405688.3	4553482	8/30/1968	460	usgs	222	-	-	-	-	-
118	(B-5-1)35aaa-1	423320.5	4553677	8/9/1984	230	usgs	269	-	-	-	-	-
119	(B-5-1)33baa-2	419496.7	4553718	4/28/1964	1187	usgs	246	-	-	-	-	-
120	(B-5-3)25dcd-1	405370.3	4554134	8/15/1984	520	usgs	221	-	-	-	-	-
121	(B-5-2)28dba-2	410064.6	4554722	8/4/1981	93	usgs	642	-	-	-	-	-
122	(B-5-1)30add-1	417037.8	4554856	7/31/1969	900	usgs	333	-	-	-	-	-
123	(B-5-1)29bdc-1	417621.6	4554942	8/27/2008	627	usgs	312	-	-	-	-	-
124	(B-5-3)25adc-2	405429.7	4555120	5/14/1969	616	usgs	240	-	-	-	-	-
125	(B-5-1)29bdb-3	417646	4555034	9/19/1984	800	usgs	310	-	-	-	-	-
126	(B-5-1)30ada-1	417063.9	4555102	8/10/1992	900	usgs	324	-	-	-	-	-
127	(B-5-1)30ada-2	417063.7	4555102	8/27/2008	964	usgs	317	-	-	-	-	-
129	(B-5-2)22dcd-1	411870.9	4555626	6/25/1984	850	usgs	267	-	-	-	-	-
130	(B-5-2)21ddd-1	410542.2	4555642	8/15/1984	110	usgs	613	-	-	-	-	-
131	(B-5-1)20ddd-2	418701.5	4555608	7/17/1989	1000	usgs	242	-	-	-	-	4.5

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SITE ID	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)	Carbon dioxide (mg/L)	Carbonate (mg/L)
1	<10	<0.05	2.53		338	244	<0.1	<2.0	-	-	8	0
2	<10	<0.05	<1.0	<30.0	<100	163	<0.1	58.7	-	-	19	0
3	<10	0.447	2.42	<30.0	112	244	<0.1	65.9	-	-	12	0
4	<10	<0.05	<1.0	32.8	<100	190	<0.1	60	-	-	15	0
5	<10	2.67	29.9	106	<100	456	<0.1	29.3	-	-	8	0
6	<10	<0.05	1.47	<30.0	194	140	<0.1	37.6	U	U	3	0
7	<10	0.191	1.64	<30.0	232	170	<0.1	40.2	-	-	4	0
8	<10	0.314	1.29	32.3	<100	163	<0.1	13.5	-	-	7	0
9	<10	1.46	16	74.8	166	182	<0.1	24.9	-	-	4	0
10	<10	<0.05	1.48	<30.0	219	200	<0.1	49.6	U	U	6	0
11	<10	<0.05	1.37	200	<100	163	<0.1	29.4	-	-	7	0
12	<10	1.04	<1.0	54.5	196	188	<0.1	31.6	-	-	5	0
13	<10	0.336	1.83	34.7	<100	191	<0.1	21.9	-	-	9	0
14	<10	10.6	31.1	164	340	584	<0.1	66	-	-	55	0
15	<10	0.083	4.59	43.1	<100	258	<0.1	54.1	-	-	15	0
16	<10	0.152	<1.0	39.7	<100	147	<0.1	10.2	-	-	2	0
17	<10	<0.05	2.79	38.6	404	246	<0.1	57.6	-	-	6	0
18	<10	0.167	1.25	39.6	255	236	<0.1	52.1	-	-	4	0
19	<10	<0.05	<1.0	47.6	<100	310	<0.1	88.4	-	-	20	0
20	<10	<0.05	2.14	-	197	194	<0.1	48.1	-	-	4	0
21	-	-	<0.5	-	40	-	<0.5	-	-	-		-
22	-	-	0.5	-	20	-	<1	-	-	-		-
23	-	-	<0.5	<50	30	190	<1	55	-	-	150	-
24	-	-	1.2	-	20	-	<1	-	-	-		-
25	-	-	<0.5	-	30	-	<1	-	-	-		-
26	-	-	1	<50	10	140	<1	11	-	-	110	-
27	-	-	<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	-	-

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33	-	-	<5	-	280	-	<1	-	-	-	-	-
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	-	-	<0.5	<0.05	25	170	<0.5	-	-	<2	140	-
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	-	-	1.31	-	226	-	<0.5	-	<2	<2	-	-
44	-	-	<1	-	160	-	<1	-	-	-	-	-
45	-	-	<1	-	200	-	<1	-	-	-	-	-
46	-	-	<5	-	260	-	<1	-	-	<0.7	-	-
47	-	-	<5	-	230	-	<1	67	-	-	5	-
48	-	-	<5	-	310	-	<1	49	-	-	4	-
49	-	-	1	-	290	-	<0.5	-	-	<2	-	-
50	-	-	<0.5	-	63	-	<0.5	-	-	<2	-	-
51	-	-	1.1	-	104	-	<0.5	-	-	-	-	-
52	-	-	<5	-	130	-	<1	-	-	-	-	-
53	-	-	<0.5	<50	120	180	<1	50	<2	<2	140	-
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	-	-	18	-
68	-	-	-	350	-	130	-	160	-	-	8.3	0
69	-	-	-	280	-	158	-	181	-	-	10	0
70	-	-	-	170	-	-	-	36	-	-	5.9	-
71	-	-	-	170	-	-	-	36	-	-	5.9	-

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72	-	-	-	50	-	-	-	87	-	-	17	-
73	-	-	-	-	-	218	-	18	-	-	2.8	0
74	-	0.04	-	-	-	-	-	47.7	-	<0.003	4.4	-
75	-	-	-	710	-	-	-	23	-	-	6.7	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	10	-	225	-	63	-	-	3.6	0
78	-	-	-	-	-	45	-	3.2	-	-	0.1	50
79	-	-	-	40	-	143	-	6	-	-	0.9	5
80	-	-	-	40	-	-	-	9.7	-	-	3.1	-
81	-	-	0.18	-	-	-	-	10.6	-	-	4	-
82	-	0.11	-	-	-	-	-	5.51	<0.003	<0.003	2.8	-
83	-	-	-	-	-	79	-	26	-	-	3.2	0
84	-	-	-	150	-	-	-	60	-	-	15	-
85	<3.4	-	0.14	65	121	-	0.03	145	-	-	-	-
86	-	-	-	-	-	301	-	20	-	-	7.6	0
87	-	-	-	-	-	380	-	30	-	-	3	8
88	-	-	-	160	-	496	-	38	-	-	50	0
89	-	-	-	-	-	320	-	36	-	-	20	0
90	-	-	-	50	-	-	-	29	-	-	2.2	-
91	-	-	-	240	-	-	-	25	-	-	13	-
92	-	-	-	-	-	192	-	27	-	-	4.8	0
93	-	-	-	30	-	-	-	28	-	-	5.4	-
94	-	-	-	50	-	-	-	28	-	-	3.4	-
95	-	-	-	40	-	-	-	35	-	-	6.2	-
96	-	-	-	-	-	146	-	32	-	-	4.6	0
97	-	-	23.2	-	-		-	11.7	-	-	6.5	-
98	-	-	-	-	-	211	-	34	-	-	5.3	0
99	-	-	-	40	-	-	-	42	-	-	3.2	-
100	-	<0.02	-	-	-	-	-	35	<0.003	<0.003	4.1	-
101	-	-	-	10	-	-	-	30	-	-	-	-
102	-	-	-	20	-	-	-	49	-	-	6.1	-
103	-	-	-	-	-	234	-	42	-	-	3.7	0

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104	-	-	-	110	-	256	-	33	-	-	4.1	0
105	-	-	-	30	-	183	-	43	-	-	2.3	0
106	-	-	-	80	-		-	50	-	-	4.9	-
107	-	-	-	-	-	280	-	58	-	-	4.4	0
108	-	-	-	0	-	252	-	56	-	-	-	2
109	-	-	-	20	-	-	-	62	-	-	-	-
110	-	-	-	100	-	-	-	50	-	-	10	-
111		3.12	-	-	-	-	-	40	<0.003	<0.003	26	-
112	-	-	-	40	-	227	-	51	-	-	2.9	0
113	-	-	-	-	-	215	-	48	-	-	5.4	0
114	-	-	-	-	-	-	-	-	-	-	-	-
115	-	-	-	-	-	348	-	60	-	-	11	0
116	-	-	-	50	-	202	-	40	-	-	3.2	0
117	-	-	-	50	-	218	-	38	-	-	3.5	0
118	-	-	-	40	-	-	-	61	-	-	-	-
119	-	-	-	-	-	187	-	52	-	-	1.2	9
120	-	-	-	40	-	-	-	36	-	-	5.5	-
121	-	-	-	-	-	-	-	-	-	-	-	-
122	-	-	-	-	-	304	-	75	-	-	7.7	0
123	-	-	0.78	-	-		-	64.8	-	-	18	-
124	-	-	-	50	-	203	-	45	-	-	3.2	0
125	-	-	-	40	-	-	-	70	-	-	18	-
126	-	-	-	40	-	-	-	73	-	-	30	-
127	-	-	1.7	-	-	-	-	69.7	-	-	-	-
129	-	-	-	-	-	-	-	60	-	-	9.6	-
130	-	-	-	50	-	-	-	47	-	-	17	-
131	-	-	1	-	220	-	<1	67	-	-	12	-

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

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

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

SITE ID	Carbonate Solids (mg/L)	Chloride (mg/L)	secondary chloride	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)	secondary iron
33	-	-	-	<5	-	-	-	-	-	-	-
34	-	-	-	<5	-	-	-	-	-	-	-
35	-	-	-	<5	-	-	-	-	-	-	-
36	-	-	-	<0.5	-	-	-	-	-	-	-
37	-	-	-	<0.5	-	-	-	-	-	-	-
38	-	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	-	14	-	<5	<20	-	520	-	-	40	
48	-	11	-	<5	<20	-	433	-	-	690	1
49	-	-	-	<5	-	-	-	-	-	-	-
50	-	-	-	1.4	-	-	-	-	-	-	-
51	-	-	-	0.01	-	-	-	-	-	-	-
52	-	-	-	<5	<12	-	-	-	-	-	-
53	-	41	-	<5	<10	-	530	-	-	110	-
54	-	-	-	<10	<10	-	-	-	-		-
55	-	77	-	<5	0.0012	-	-	-	-	650	1
56	-	-	-	<5	-	-	-	-	-	-	-
57	-	-	-	<5	<12	-	-	-	-	-	-
58	-	-	-	<5	-	-	-	-	-	-	-
59	-	-	-	2.21	-	-	-	-	-	-	-
62	-	750	-	-	1	16	2860	0.3	-	770	-
68	-	950	-	-	-	19.5	3000	-	-	<10	-
69	-	985	-	-	-	16.5	3190	-	-		-
70	-	250	-	-	-	18	1160	-	-	M	-
71	-	250	-	-	-	18	1160	-	-	9	-

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

SITE ID	Carbonate Solids (mg/L)	Chloride (mg/L)	secondary chloride	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)	secondary iron
72	-	86	-	-	-	13.5	940	-	-	20	-
73	-	72	-	-	-	19	620	-	-		-
74	-	30	-	-	-	17.5	474	0.3	-	223	-
75	-	34	-	-	-	17.5	520	-	-	M	-
76	-		-	-	-	16.5	490	-	-	-	-
77	-	55	-	-	-	14	650	-	-	-	-
78	-	138	-	-	-	13	660	-	-	-	-
79	-	21	-	-	-		335	-	-	-	-
80	-	26	-	-	-	16	400	-	-	1100	-
81	-	14.2	-	-	-	17.7	225	-	-	191	-
82	-	26	-	-	-	17	399	0.1	-	294	-
83	-	370	-	-	-	29	1390	-	-	-	-
84	-	310	-	-	-	16	1360	-	-	2000	-
85	-	180	-	0.67	2.9	15.2	1350	7.2	-	9	-
86	-	40	-	-	-	21	570	-	-	-	-
87	-	48	-	-	-	12	710	-	-	-	-
88	-	48	-	-	-	13.5	880	-	-	-	-
89	-	33	-	-	-	16	570	-	-	-	-
90	-	17	-	-	-	20.5	320	-	-	640	-
91	-	20	-	-	-	12	440	-	-	1300	-
92	-	23	-	-	-	20	370	-	-	-	-
93	-	14	-	-	-	18	305	-	-	520	-
94	-	17	-	-	-	18.5	365	-	-	100	-
95	-	15	-	-	-	16.5	365	-	-	130	-
96	-	12	-	-	-	14	260	-	-	-	-
97	-	42.9	-	-	-	16.6	622	-	-	370	-
98	-	19	-	-	-	15	375	-	-	-	-
99	-	12	-	-	-	16.5	360	-	-	110	-
100	-	11.8	-	-	-	14	294	1.6	-	<10	-
101	-	9.8	-	-	-	-	-	-	-	M	-
102	-	13	-	-	-	14	370	-	-	10	-
103	-	24	-	-	-	15	410	-	-		-

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

SITE ID	Carbonate Solids (mg/L)	Chloride (mg/L)	secondary chloride	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)	secondary iron
104	-	24	-	-	-	14	440	-	-		-
105	-	23	-	-	-	15	375	-	-		-
106	-	18	-	-	-	15.5	460	-	-	110	-
107	-	22	-	-	-	14	510	-	-		-
108	-	19	-	-	-	-	490	-	-		-
109	-	20	-	-	-	-		-	-	M	-
110	-	24	-	-	-	12.5	565	-	-	1900	-
111	-	29.8	-	-	-	15	601	0.8	-	2410	-
112	-	20	-	-	-	15	425	-	-	-	-
113	-	18	-	-	-	15	405	-	-	-	-
114	-		-	-	-	18.5	365	-	-	-	-
115	-	26	-	-	-	19	590	-	-	-	-
116	-	18	-	-	-	17	370	-	-	-	-
117	-	18	-	-	-	14	380	-	-	-	-
118	-	24	-	-	-	-	-	-	-	M	-
119	-	18	-	-	-	-	440	-	-	-	-
120	-	14	-	-	-	16	390	-	-	80	-
121	-		-	-	-	15.5	1110	-	-	-	-
122	-	20	-	-	-	15	560	-	-	-	-
123	-	20.8	-	-	-	10.9	531	-	-	12	-
124	-	18	-	-	-	16	390	-	-	-	-
125	-	20	-	-	-	11	575	-	-	10	-
126	-	25	-	-	-	14	550	-	-	17	-
127	-	20.1	-	-	-	-	-	-	-	352	-
129	-	13	-	-	-	18	380	-	-	10	-
130	-	85	-	-	-	14.5	1000	-	-	420	-
131	-	22	-	<2	<10	15	560	-	-	9	-

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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)	secondary manganese	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
1	450	0.253	17.1	53	1	0.219	-	-	-	<0.1	-	7.8
2	552	0.329	19.4	<5.0	-	<0.2	-	<5.0	-	2.03	-	6.88
3	527	<0.1	18.9	382	1	<0.2	-	<5.0	-	<0.1	-	7.59
4	590	0.113	20.6	<5.0	-	<0.2	-	<5.0	-	1.84	-	7.05
5	1040	0.377	13.6	46.1	-	<0.2	-	-	-	<0.1	-	7.91
6	258	0.214	8.55	65.1	1	<0.2	U	-	-	<0.1	U	8.26
7	298	0.227	9	106	1	<0.2	-	-	-	<0.1	-	8.43
8	339	<0.1	2.63	41.5	-	<0.2	-	<5.0	-	<0.1	-	8.33
9	356	0.217	5.45	41	-	<0.2	-	-	-	<0.1	-	8.15
10	388	0.285	14	<5.0	-	0.202	U	-	-	<0.1	U	7.7
11	1261	<0.1	8.45	<5.0	-	<0.2	-	<5.0	-	0.161	-	7.91
12	349	0.217	10.3	45.3	-	<0.2	-	-	-	<0.1	-	8.48
13	381	<0.1	4.14	40.6	-	<0.2	-	<5.0	-	<0.1	-	8.45
14	1063	<0.1	22.1	313	1	<0.2	-	<5.0	-	<0.1	-	7.14
15	623	0.17	13.8	81.8	1	<0.2	-	<5.0	-	0.684	-	7.61
16	323	<0.1	2.51	34.9	-	<0.2	-	<5.0	-	<0.1	-	8.55
17	449	0.278	17.3	<5.0	-	<0.2	-	-	-	0.103	-	7.6
18	429	0.203	16	60.4	1	<0.2	-	-	-	<0.1	-	8.31
19	851	<0.1	28.4	33.1	-	<0.2	-	<5.0	-	4.05	-	7.39
20	389	0.261	14.1	30.9	-	<0.2	-	-	-	0.185	-	7.68
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	-

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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)	secondary manganese	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
33	-	-	-	-	-	0.3	-	<0.01	1.7	1.7		-
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	-
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	-	-
48	-	<5	13	-	-	<0.2	-	-	0.64	0.64	-	-
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
68	-	-	47	<10	-	-	-	-	-	0.54	-	7.4
69	-	-	60	-	-	-	-	-	1.81		-	7.4
70	-	-	11	M	-	-	-	-	-	1.4	-	7.7
71	-	-	11	1	-	-	-	-	-	1.4	-	7.7

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SITE ID	Lab, Specific Conduct-ance (µmhos)	Lead, dissolved (µg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (µg/L)	secondary manganese	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
72	-	-	30	M	-	-	-	-	-	5.8	-	7.4
73	-	-	6.3		-	-	-	-	1.29	-	-	8.1
74	-	-	12.9	7.9	-	-	<0.02	-	-	<0.05	<0.02	7.8
75	-	-	4.7	M	-	-	-	-	-	1.4	-	7.7
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	21	-	-	-	-	-	2.94	-	-	8
78	-	-	14	-	-	-	-	-	0.07	-	-	9.1
79	-	-	2.1	-	-	-	-	-	-	-	-	8.4
80	-	-	2.5	40	-	-	-	-	-	<0.1	-	8
81	-	-	5.83	49.4	-	-	-	-	-	<0.06	-	7.6
82	-	-	2.64	54.6	-	-	<0.02	-	-	0.06	<0.02	8
83	-	-	4.4	-	-	-	-	-	0.27	-	-	7.6
84	-	-	15	250	-	-	-	-	-	<0.1	-	7.4
85	-	0.23	46.4	0.6	-	-	<0.12	0.43	-	8.18	<0.12	7
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
91	-	-	16	290	-	-	-	-	-	2.2	-	7.4
92	-	-	6.8		-	-	-	-	1.45		-	7.8
93	-	-	5.5	70	-	-	-	-	-	<0.1	-	7.7
94	-	-	7.5	60	-	-	-	-	-	<0.1	-	7.9
95	-	-	8.2	130	-	-	-	-	-	<0.1	-	7.7
96	-	-	7.3	-	-	-	-	-	0.02	-	-	7.7
97	-	-	4.05	50.6	-	-	-	-	-	<0.04	-	7.9
98	-	-	13	-	-	-	-	-	0.93	-	-	7.8
99	-	-	11	70	-	-	-	-	-	0.2	-	8
100	-	-	8.17	<4	-	-	<0.02	-	-	0.18	<0.02	7.8
101	-	-	6.6	<1	-	-	-	-	-	0.26	-	-
102	-	-	11	M	-	-	-	-	-	0.48	-	7.7
103	-	-	15	-	-	-	-	-	0.02	-	-	8

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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)	secondary manganese	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
104	-	-	14	-	-	-	-	-	0.05	-	-	8
105	-	-	9.4	-	-	-	-	-	-	-	-	8.1
106	-	-	12	110	-	-	-	-	-	<0.1	-	7.9
107	-	-	21	-	-	-	-	-	0.5	-	-	8
108	-	-	18	-	-	-	-	-	-	-	-	-
109	-	-	15	M	-	-	-	-	-	0.94	-	-
110	-	-	17	240	-	-	-	-	-	<0.1	-	7.7
111	-	-	23.8	133	-	-	<0.02	-	1.44	1.46	<0.02	7.3
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	-	-
119	-	-	18	-	-	-	-	-	-		-	8.4
120	-	-	11	70	-	-	-	-	-	0.1	-	7.8
121	-	-	-	-	-	-	-	-	-	-	-	-
122	-	-	21		-	-	-	-	0.11	-	-	7.8
123	-	-	16.4	6.1	-	-	-	-	-	<0.04	-	7.5
124	-	-	14	-	-	-	-	-	0.09	-	-	8
125	-	-	18	M	-	-	-	-	-	1	-	7.4
126	-	-	18	11	-	-	-	-	-	1	-	7.2
127	-	-	17.6	285	-	-	-	-	-	<0.04	-	
129	-	-	15	M	-	-	-	-	-	1	-	7.6
130	-	-	44	40	-	-	-	-	-	<0.1	-	7.7
131	-	<10	16	<1	-	-	-	<10	-	-	-	7.5

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

SITE ID	pH, Lab	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	7.69	0.062	2.36	<1.0	<0.5	21.7	<20.0	200	202.1	<4	3.76	<10.0
2	7.13	0.539	2.68	<1.0	<0.5	23.4	22.3	133	226.3	<4	0.141	65.5
3	7.5	0.177	4.57	<1.0	<0.5	18.1	22	200	242.2	<4	6.05	16.8
4	7.3	0.0543	1.67	1.15	<0.5	33	54.5	156	234.5	<4	0.986	<10.0
5	7.96	0.144	2.96	<1.0	<0.5	198	<20.0	374	129.1	<4.0	2.02	22
6	7.93	0.05	1.41	<1.0	<0.5	13.9	<20.0	115	129	16.8	15.1	11.9
7	7.89	0.058	1.6	<1.0	<0.5	14.6	<20.0	140	137.3	<4	1.11	<10.0
8	7.55	0.245	<1	<1.0	<0.5	59.6	<20.0	134	44.5	<4	3.66	<10.0
9	7.83	0.08	1.66	<1.0	<0.5	49.2	<20.0	150	84.5	<4.0	0.133	<10.0
10	7.73	0.052	1.61	<1.0	<0.5	16.9	<20.0	164	181.4	<4	0.155	<10.0
11	7.56	0.0502	2.04	<1.0	<0.5	204	<20.0	133	108.1	8.8	0.974	<10.0
12	7.77	0.072	3.19	<1.0	<0.5	33.2	<20.0	154	121.2	<4	3.19	<10.0
13	7.54	0.181	<1	<1.0	<0.5	58.6	<20.0	156	71.7	<4	0.392	<10.0
14	7.23	0.654	6.39	<1.0	<0.5	136	<20.0	479	255.6	148	38	<10.0
15	7.43	0.0735	1.05	<1.0	<0.5	63	26.5	212	191.8	<4	0.14	25.1
16	8.08	0.238	<1	<1.0	<0.5	78.7	<20.0	121	35.8	<4	0.249	<10.0
17	7.8	0.053	2.91	<1.0	<0.5	19.9	<20.0	202	214.9	<4	0.115	11
18	7.98	0.052	2.46	<1.0	<0.5	22.4	<20.0	194	195.8	<4	4.28	<10.0
19	7.39	0.0686	2.25	1.01	<0.5	47.3	50.3	254	337.4	<4	11.4	<10.0
20	7.88	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	-

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

SITE ID	pH, Lab	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)
33	-	-	-	<2	-	16	27	-	-	-	0.6	-
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	6.96	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	7.8	0.02	2	<5	<2	18	28	-	241.2	-	0.3	<20
48	7.9	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	7.7	-	28	-	-	530	7.3	-	190	-	-	-
68	-	-	8.2	-	-	390	37	-	590	-	-	-
69	-	-		-	-	-	47	-	700	-	-	-
70	8	-	1.8	-	-	180	26	-	140	-	-	-
71	8	-	1.8	-	-	180	26	-	140	-	-	-

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

SITE ID	pH, Lab	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)
72	7.8	-	1.9	-	-	74	130	-	340	-	-	-
73		-		-	-	-	32	-	72	-	-	-
74	7.9	-	3.32	-	-	25.5	53	139	170	-	-	-
75	8	-	0.9	-	-	85	32	-	77	-	-	-
76	-	-	-	-	-	-	-	-		-	-	-
77	-	-	1.3	-	-	41	62	-	240	-	-	-
78	-	-	-	-	-		0.8	-	66	-	-	-
79	-	-	0.8	-	-	68	16	-	24	-	-	-
80	8.2	-	0.7	-	-	76	6	-	35	-	-	-
81	8.1	-	1.14	<0.08	-	29.2	13.9	-	51	-	-	-
82	8	-	1.45	-	-	78.7	17.9	143	25	-	-	-
83	-	-	2.1	-	-	250	22	-	84	-	-	-
84	7.6	-	2.2	-	-	180	3.5	-	210	-	-	-
85	7.3	-	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	7.5	-	2.2	-	-	59	1	-	87	-	-	-
91	7.8	-	9.9	-	-	33	13	-	130	-	-	-
92		-	-	-	-	-	1.2	-	96	-	-	-
93	7.9	-	2.6	-	-	30	2.5	-	93	-	-	-
94	8.1	-	2.5	-	-	34	0.4	-	100	-	-	-
95	7.7	-	2.4	-	-	28	0.9	-	120	-	-	-
96	-	-	-	-	-	-	6.5	-	110	-	-	-
97	7.8	-	5.34	-	-	116	-	-	46	-	-	-
98	-	-	-	-	-	-	1.5	-	140	-	-	-
99	8.1	-	3.1	-	-	19	0.8	-	150	-	-	-
100	7.9	-	1.21	-	-	13.9	7.39	132	120	-	-	-
101	8	-	0.6	-	-	12	5	-	100	-	-	-
102	7.8	-	1.3	-	-	15	16	-	170	-	-	-
103	-	-		-	-		2.5	-	160	-	-	-

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

SITE ID	pH, Lab	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)
104	-	-	5.2	-	-	44	0.8	-	140	-	-	-
105	-	-	1.2	-	-	23	15	-	150	-	-	-
106	8.1	-	2.5	-	-	27	2.3	-	170	-	-	-
107	-	-		-	-		19	-	230	-	-	-
108	-	-	2.3	-	-	19	18	-	210	-	-	-
109	7.7	-	1.5	-	-	16	24	-	220	-	-	-
110	7.8	-	7.1	-	-	44	1	-	190	-	-	-
111	7.6	-	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	7.6	-	1.3	-	-	17	24	-	210	-	-	-
119		-	1.6	-	-	16	46	-	200	-	-	-
120	8	-	1.6	-	-	29	0.8	-	140	-	-	-
121	-	-	-	-	-	-	-	-	-	-	-	-
122	-	-	-	-	-	-	34	-	270	-	-	-
123	7.5	-	2.24	<0.04	-	30.5	6.96	-	230	-	-	-
124	-	-	1.7	-	-	16	17	-	170	-	-	-
125	7.7	-	1.9	-	-	17	28	-	250	-	-	-
126	8	-	1.8	-	-	19	26	-	260	-	-	-
127	7.6	-	2.28	<0.04	-	28.3	12.4	-	250	-	-	-
129	8.2	-	1.9	-	-	15	25	-	210	-	-	-
130	7.7	-	20	-	-	110	2.1	-	300	-	-	-
131	7.9	-	-	<1	<1	18	24	-	230	-	-	18

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Appendix B. *Inventory of potential ground-water 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 ground-water 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.

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Appendix B. *Inventory of potential ground-water 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.

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Appendix B. *Inventory of potential ground-water 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 ground-water 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

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Appendix B. *Inventory of potential ground-water 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 ground-water 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 ground-water 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

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Appendix B. *Inventory of potential ground-water 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

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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

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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

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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

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Appendix B. *Inventory of potential ground-water 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 ground-water 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

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Appendix B. *Inventory of potential ground-water 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

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Appendix B. *Inventory of potential ground-water 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

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Appendix B. *Inventory of potential ground-water 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

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Appendix B. *Inventory of potential ground-water 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

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Appendix B. *Inventory of potential ground-water 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

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Appendix B. *Inventory of potential ground-water 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

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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

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Appendix B. *Inventory of potential ground-water 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

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Appendix B. *Inventory of potential ground-water 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

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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

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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

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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

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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

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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

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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

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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

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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 ground-water 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 ground-water 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 ground-water 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

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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 ground-water 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

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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 ground-water 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

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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

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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 ground-water 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 ground-water 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

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Appendix B. *Inventory of potential ground-water 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 ground-water 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 ground-water 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

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Appendix B. *Inventory of potential ground-water 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

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Appendix B. *Inventory of potential ground-water 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

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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

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Appendix B. *Inventory of potential ground-water 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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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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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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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

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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

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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

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