CHAPTER 1

LEGAL, FINANCIAL, COMPLIANCE AND RELATED INFORMATION

SE1/4NW1/4NW1/4SW1/4

Fee land owned by CFC as described below: (800 acres)

T. 13 S., R. 12 E., SLBM, Utah

Section 16: All

Section 23: E1/2NW1/4; W1/2NE1/4

BLM Rt-of-Way UTU-77985 - (57.5 acres)

T13 S., R12E., SLBM, Utah

Section: 22: NE/4SW1/4SW/4SE1/4, S1/2SW1/4SW1/4SE1/4, N1/2SE1/4SW1/4SE1/4, SE1/4NE1/4SW1/4SE1/4, S1/2NW1/4SE1/4SE1/4,SW1/4NE1/4SE1/4SE1/4, N1/2NE1/4SE1/4SE1/4

Section 23: NW1/4SW1/4NW1/4SW1/4, S1/2NW1/4NW1/4SW1/4, NE1/4NW1/4NW1/4SW1/4, N1/2NE1/4NW1/4SW1/4

Section 27: NE1/4SE1/4NE1/4NW1/4, S1/2SE1/4NE1/4NW1/4, SE1/4NE1/4NE1/4NW 1/4, W1/2 NW1/4NW1/4NE1/4

BLM Parcel (2.5 acres)

T13 S., R12E., SLBM, Utah

Section: 23: NW1/4NW1/4NW/4SW1/4

State Lease ML-48435-OBA - (2,560 acres)

T13 S., R13 E., SLBM, Utah (Currently within Permit Area, approximately 200 acres)

Section 17: W1/2W1/2SW1/4, W1/2E1/2W1/2SW1/4

Section 19: NE1/4SE1/4, S1/2SE1/4

Section 20: W1/2W1/2W1/2, W1/2E1/2W1/2W1/2

T13 S., R13 E., SLBM, Utah (Added to Permit Area in 2005, approximately 2,360 acres)

Section 17: E1/2SW1/4, SW1/4SE1/4, E1/2E1/2W1/2SW1/4

Section 20: E1/2W1/2, E1/2, E1/2E1/2W1/2W1/2

Section 21: SW1/4NW1/4, SW1/4

Section 28: NW1/4, N1/2SW1/4, SW1/4SW1/4

Section 29: All

Section 30: E1/2, E1/2W1/2

Waste Rock Storage Facility

T. 14 S., R. 12 E., SLBM, Utah (Approximately 26.8 acres)

Section 18: Portions of NE1/4, SW1/4 and SE1/4 of the NE1/4

All of Lease ML-42648, except the E1/2 of Section 8 and the NE1/4 of Section 17, is included within the Dugout Canyon Mine permit boundary. However, only the S1/2 SE1/4 of Section 9 from Lease ML-42649 is within the permit boundary. The ten acres described in UTU-76601 are also described in UTU-77985. The U.S. Department of Interior, Bureau of Land Management (BLM) right-of-way application UTU-76601 is included in Appendix 1-3.

The disturbed area encompasses 20.31 acres (Mine Facility area, including Gilson well pad and small substation), 2.2 acres (G-2 and G-3 Degas Well), 2.7 acres (G-4, G-5 and G-6 Degas Well), 1.8 acres (Leach field/pipeline area), and 26.8 acres (Refuse Pile area) totally 53.8 acres. That acreage includes a pre- and post mining road with an area of 1.6 acres and 2.03 acres of undisturbed land within the mine facilities disturbed area and 11.2 acres within the refuse pile disturbed area.

The permit boundary encompasses approximately 9,471 acres which includes the following surface ownership and acreage: 10 acres in the BLM right-of-way, approximately 567 acres of other federal lands, 920 acres of state lands, and fee acreage of approximately 7,974 acres (Plate 1-1 and RA Plate 1-1).

Coal ownership acreage within the permit area includes approximately 2,804 acres of federal coal, approximately 5840 acres of state coal, and 827 acres of fee coal (Plate 1-2 and RA1-1B). Approximately 745 acres which include the surface subsidence area, refuse pile and leach field areas will not be mined although their acreage is included in the surface and coal ownership acreage totals.

A legal description of the permit boundary includes:

T. 13 S., R. 12 E., SLBM, Utah

Section 9:	S1/2SE1/4
Section 10:	S1/2
Section 11:	S1/2
Section 13:	All except N1/2N1/2
Section 14:	All
Section 15:	All
Section 16:	All
Section 17:	E1/2SW1/4; SE1/4
Section 20:	E1/2NW1/4; SW1/4NW1/4; N1/2NE1/4
Section 21:	N1/2NW1/4; NE1/4
Section 22:	N1/2; N1/2S1/2; Portion of N1/2NE1/4SE1/4SE1/4; Portion of SW1/4NE1/4SE1/4SE1/4; Portion of the S1/2NW1/4SE1/4SE1/4; Portion of SW1/4NE1/4SW1/4SE1/4; Portion of N1/2SE1/4SW1/4SE1/4; Portion of NE1/4SW1/4SW1/4SE1/4; Portion of S1/2SW1/4SW1/4SE1/4
Section 23:	NW1/4; NE1/4; SE1/4; NE1/4SW1/4; NW1/4NW1/4SW1/4; S1/2NE1/4NW1/4SW1/4; NW1/4SW1/4NW1/4SW1/4
Section 24:	All
Section 25:	N1/2N1/2
Section 26:	N1/2NE1/4
Section 27:	Portion of W1/2NW1/4NW1/4NE1/4 Portion of SW1/4NE1/4NE1/4NW1/4 Portion of E1/2SW1/4NE1/4NW1/4 Portion of SW1/4SW1/4NE1/4NW1/4

T. 13 S., R. 13 E., SLBM, Utah

Section 17	SW1/4; SW1/4NW1/4; SW1/4SE1/4
Section 18	All except N1/2N1/2
Section 19	All
Section 20	All
Section 21	SW1/4; SW1/4NW1/4

Section 28 NW1/4; N1/2SW1/4; SW1/4SW1/4
Section 29 All
Section 30 NW1/4NW1/4; E1/2; E1/2W1/2

T. 14 S., R. 12 E., SLBM, Utah
Section 18 Portion N1/2NE1/4

Topsoil is being stored in T14S, R12E, Section 8, a storage area permitted to Soldier Canyon Mine. See Chapter 2 for additional details concerning the topsoil storage.

Acreage has been added to the permit area which is in excess of the Federal lease acreage to act as a subsidence buffer zone. This acreage has been added in T13S, R12E Section 13 and T13S, R13E Sections 17 and 18.

The refuse pile is located on property owned by Canyon Fuel Company, LLC. The property is located approximately 6.5 miles southwest of the Dugout Canyon Mine in portions of the NE1/4, SW 1/4 and SE 1/4 of the NE 1/4, in a portion of the NW 1/4 of the SE1/4, and in the NW1/4 of the NE 1/4 of Section 18, Township 14 South, Range 12 East, Salt Lake Base Meridian.

BLM Right-of-Way UTU-77985 grants the right-of-entry for the leach field and associated pipeline. Refer to the right-of-way description above.

115 Status of Unsuitability Claims

To the best knowledge of Canyon Fuel Company, LLC, no portion of the area to be permitted is designated, or under study for being designated, unsuitable for mining.

CFC does not propose to conduct coal mining or reclamation operations within 300 feet of any occupied dwelling. A description of operations to be conducted within 100 feet of a public road is

APPENDIX 1-2

Insurance and Proof of Publication

LEGAL NOTICE

Canyon Fuel Company, LLC, of Salt Lake City, Utah, has submitted to the Utah Division of Oil, Gas and Mining, a complete application for adding the SITLA lease to the existing mining and reclamation permitted area.

Canyon Fuel Company, LLC, operates the Dugout Canyon Mine which is located thirteen (13) miles northeast of Wellington, Utah, in Dugout Canyon within the west half of Section 23, Township 13 South, Range 12 East, Salt Lake Base Meridian. The currently approved Dugout Canyon Mine mining permit number is C/007/039. The permit area is located on the Pine Canyon and Mount Bartles, USGS 7.5 minute quadrangle maps. The description of the permit area is as follows:

Township 13 South, Range 12 East, SLBM, Utah

Section 9:	S1/2SE1/4
Section 10:	S1/2
Section 11:	S1/2
Section 13:	All except N1/2N1/2
Section 14:	All
Section 15:	All
Section 16:	All
Section 17:	E1/2SW1/4; SE1/4
Section 20:	E1/2NW1/4; SW1/4NW1/4; N1/2NE1/4
Section 21:	N1/2NW1/4; NE1/4
Section 22:	N1/2; N1/2S1/2; Portion of N1/2NE1/4SE1/4SE1/4; Portion of SW1/4NE1/4SE1/4SE1/4; Portion of the S1/2NW1/4SE1/4SE1/4; Portion of SW1/4NE1/4SW1/4SE1/4; Portion of N1/2SE1/4SW1/4SE1/4; Portion of NE1/4SW1/4SW1/4SE1/4; Portion of S1/2SW1/4SW1/4SE1/4
Section 23:	NW1/4; NE1/4; SE1/4; NE1/4SW1/4; NW1/4NW1/4SW1/4; S1/2NE1/4NW1/4SW1/4; NW1/4SW1/4NW1/4SW1/4;
Section 24:	All
Section 25:	N1/2N1/2
Section 26:	N1/2NE1/4
Section 27:	Portion of W1/2NW1/4NW1/4NE1/4 Portion of SW1/4NE1/4NE1/4NW1/4 Portion of E1/2SW1/4NE1/4NW1/4 Portion of SW1/4SW1/4NE1/4NW1/4

Township 13 South, Range 13 East, SLBM, Utah

Section 17	SW1/4; SW1/4NW1/4; SW1/4SE1/4
Section 18	All except N1/2N1/2
Section 19	All
Section 20	All
Section 21	SW1/4; SW1/4NW1/4
Section 28	NW1/4; N1/2SW1/4; SW1/4SW1/4
Section 29	All
Section 30	NW1/4NW1/4; E1/2; E1/2W1/2

Township 14 South, Range 12 East, SLBM, Utah

Section 18	Portion N1/2NE1/4

Topsoil is being stored in T14S, R12E, Section 8, a storage area permitted to Soldier Canyon Mine.

A copy of the permit will be available for inspection at the Utah Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, Salt Lake City, Utah 84114

The address of the applicant is: Canyon Fuel Company, LLC, 6955 South Union Park Center, Suite 540, Midvale, Utah 84047, Phone: (801) 569-4700

Written comments or request for an informal conference regarding this application must be submitted within 30 days of the last publication date of this notice, to the Utah Division of Oil, Gas and Mining, Attention Coal Regulatory Program, 1594 West North Temple, Suite 1210, Salt Lake City, Utah 84114-5801.

APPENDIX 2-2

Soil Conservation Survey Descriptions of the Permit Area Soils

is mainly Douglas-fir, pinyon, Salina wildrye, bluebunch wheatgrass, snowberry, and serviceberry.

Typically, the surface layer is brown extremely stony fine sandy loam about 9 inches thick. The subsoil is brown very stony loam about 7 inches thick. The substratum to a depth of 60 inches or more is pale brown very stony fine sandy loam. A layer of calcium carbonate accumulation is at a depth of about 16 inches.

Permeability of the Datino Variant soil is moderate. Available water capacity is about 4 to 6 inches. Water supplying capacity is 6 to 8 inches. Effective rooting depth is 60 inches or more. The organic matter content of the surface layer is 3 to 5 percent. Runoff is rapid, and the hazard of water erosion is high.

This unit is used as wildlife habitat and woodland.

The potential vegetation on the Comodore and Datino Variant soils includes an overstory of Rocky Mountain Douglas-fir and pinyon with a canopy of 50 percent. The understory vegetation is 40 percent grasses, 15 percent forbs, and 45 percent shrubs. Among the important plants are Salina wildrye, slender wheatgrass, birchleaf mountainmahogany, and snowberry.

This unit is limited for harvesting wood products because of the steepness of slope, stones and boulders on the surface, and the areas of Rock outcrop.

This unit is not grazeable by livestock because of the steepness of slope.

This unit is in capability subclass VIIe, nonirrigated, and in the Mountain Very Steep Stony Loam (Douglas-fir) woodland site.

21—Croydon loam, 8 to 30 percent slopes. This deep, well drained, moderately slowly permeable soil is on foot slopes. It is between Winter Quarts Canyon and Boardinghouse Canyon, south of Scofield. It formed in alluvium derived dominantly from shale and sandstone. Slopes are about 300 to 400 feet long, are concave to convex, and mostly have east aspect. The present vegetation in most areas is mainly quaking aspen, blue wildrye, slender wheatgrass, peavine, bearded wheatgrass, and silver sagebrush. Elevation is 7,800 to 9,500 feet. The average annual precipitation is 20 to 25 inches, the average annual air temperature is 34 to 38 degrees F, and the average freeze-free period is 40 to 60 days.

Typically, the surface layer is dark yellowish brown and yellowish brown loam about 16 inches thick. The subsurface layer is very pale brown loam about 7 inches thick. The subsoil to a depth of 48 inches is light yellowish brown clay loam over weathered sandstone. Depth to weathered sandstone ranges from 40 to 60 inches or more.

Included in this unit are 5 percent soils that are similar to this Croydon soil but has about 25 percent cobbles in the surface layer and 5 percent Croydon loam that has slopes of 30 to 50 percent.

Permeability of this Croydon soil is moderately slow. Available water capacity is 7 to 9 inches. Water supplying capacity is 16 to 18 inches. Effective rooting depth is 40 to 60 inches or more. The organic matter content of the surface layer is 5 to 10 percent. Runoff is slow, and the hazard of water erosion is slight.

This unit is used as rangeland, woodland, and wildlife habitat and for urban development.

The potential vegetation on the Croydon soil includes an overstory of aspen with a canopy of 40 percent. The understory vegetation is 65 percent grasses, 15 percent forbs, and 20 percent shrubs. Among the important plants are slender wheatgrass, Columbia needlegrass, Thurber fescue, and quaking aspen.

This unit is well suited to the production of aspen. The site index for aspen ranges from 60 to 80. Production of aspen is about 40 cubic feet per year. Minimizing the risk of erosion is essential in harvesting timber. The main limitation for the harvesting of wood products is the steepness of slope.

The suitability of this unit for grazing is good. Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments. If the desirable forage plants are mostly depleted, burning can be used to improve the rangeland vegetation.

The suitability for rangeland seeding is poor. The main limitation is competition from aspen.

This map unit is in capability subclass VIe, nonirrigated, and in High Mountain Loam (Aspen) woodland site.

22—Croydon loam, 30 to 50 percent slopes. This deep, well drained, moderately slowly permeable soil is on mountain slopes in the vicinity of Pleasant Valley. It formed in alluvium and colluvium derived dominantly from sandstone and shale. Slopes are 100 to 200 feet long, are concave to convex, and have north and east aspects. The present vegetation in most areas is mainly quaking aspen, snowberry, blue wildrye, slender wheatgrass, and peavine. Elevation is 7,800 to 9,500 feet. The average annual precipitation is 20 to 25 inches, the average annual air temperature is 34 to 38 degrees F, and the average freeze-free season is 40 to 60 days.

Typically, the surface layer is dark yellowish brown and yellowish brown loam about 16 inches thick. The subsurface layer is very pale brown loam about 7 inches thick. The subsoil to a depth of 48 inches is light yellowish brown clay loam over weathered sandstone. Depth to sandstone ranges from 40 to 60 inches or more.

Included in this unit are about 5 percent Uinta family soils under conifers and small areas of a soil that is about 10 inches thick over sandstone. Also included are small areas of Croydon loam that has slopes of 8 to 30 percent and Trag stony loam.

Permeability of this Croydon soil is moderately slow. Available water capacity is about 7 to 9 inches. Water supplying capacity is 16 to 18 inches. Effective rooting depth is 40 to 60 inches or more. The organic matter content of the surface layer is 5 to 10 percent. Runoff is rapid, and the hazard of water erosion is severe.

This unit is used as rangeland, woodland, and wildlife habitat.

The vegetation on the Croydon soil includes an overstory of aspen with a canopy of 60 percent. The understory vegetation is 65 percent grasses, 15 percent forbs, and 20 percent shrubs. Among the important plants are slender wheatgrass, Columbia needlegrass, Thurber fescue, and quaking aspen.

This unit is well suited to the production of aspen. The site index for aspen ranges from 60 to 80. Production of aspen is about 40 cubic feet per acre per year. This unit is severely limited for the harvesting of wood products because of the steepness of slope and the hazard of erosion. If wood products are harvested, care should be taken to minimize the risk of erosion. Proper design of road drainage systems is essential.

The suitability of this unit for grazing is good. Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments. If the desirable forage plants are mostly depleted, burning can be used to improve the rangeland vegetation.

The suitability of this unit for rangeland seeding is poor because of the steepness of slope and competition from aspen.

This unit is in capability subclass VIIe, nonirrigated, and in High Mountain Loam (Aspen) woodland site.

23—Curecanti family-Pathead complex. This map unit is on mountain slopes in the area of Price Canyon. Slopes are 40 to 70 percent, 300 to 400 feet long, and plane to concave. Elevation is 7,000 to 9,000 feet. The average annual precipitation is about 16 to 20 inches, the average annual air temperature is 38 to 45 degrees F, and the average freeze-free period is 60 to 100 days.

This unit is 30 percent Curecanti family loam, 50 to 70 percent slopes; 25 percent Pathead extremely bouldery fine sandy loam, 40 to 70 percent slopes; 25 percent Pathead extremely stony loam, 50 to 70 percent slopes; and 20 percent other soils. About 10 percent of the unit has slopes of 40 to 50 percent. The Curecanti family soil has southwest and southeast aspects and is along small stabilized drainageways, and the other soils are intermingled throughout the unit.

Included in this unit are about 10 percent Perma family soils in drainageways, 7 percent Midfork family soils that have slopes of 50 to 70 percent and are in the deeper drainageways, and small areas of Senchert family soils in concave areas.

The Curecanti family soil is very deep and well drained. It formed in colluvium derived dominantly from sandstone and shale. The present vegetation is mainly Gambel oak, snowberry, slender wheatgrass, and Sandberg bluegrass.

Typically, the upper part of the surface layer is dark grayish brown loam about 7 inches thick and the lower part is brown very stony loam about 8 inches thick. The subsurface layer is very pale brown very stony loam about 5 inches thick. The subsoil to a depth of 60 inches or more is pale brown very stony loam.

Permeability of the Curecanti family soil is moderate. Available water capacity is about 5.0 to 6.5 inches. Water supplying capacity is 8 to 12 inches. Effective rooting depth is 60 inches or more. The organic matter content of the surface layer is 3 to 5 percent. Runoff is rapid, and the hazard of water erosion is severe.

The Pathead extremely bouldery fine sandy loam is moderately deep and well drained. It formed in colluvium derived dominantly from sandstone and shale. The present vegetation is mainly curlleaf mountainmahogany, Salina wildrye, and Gambel oak.

Typically, the surface layer is pale brown extremely bouldery fine sandy loam about 4 inches thick. The underlying material to a depth of 38 inches is pale brown and very pale brown very stony fine sandy loam. Depth to hard sandstone ranges from 20 to 40 inches.

Permeability of this Pathead soil is moderate. Available water capacity is about 1.3 to 3.0 inches. Water supplying capacity is 4.0 to 8.5 inches. Effective rooting depth is 20 to 40 inches. The organic matter content of the surface layer is 1 to 3 percent. Runoff is rapid, and the hazard of water erosion is slight.

The Pathead extremely stony loam is moderately deep and well drained. It formed in colluvium derived dominantly from sandstone and shale. The present vegetation is mainly Salina wildrye, black sagebrush, and winterfat.

Typically, the surface layer is brown extremely stony loam about 3 inches thick. The underlying material to a depth of 26 inches is pale brown very cobbly loam. Sandstone is at a depth of 20 to 40 inches.

Permeability of this Pathead soil is moderate. Available water capacity is about 1 to 2 inches. Water supplying capacity is 3.5 to 5.5 inches. Effective rooting depth is 20 to 40 inches. The organic matter content of the surface layer is 1 to 3 percent. Runoff is rapid, and the hazard of water erosion is slight.

This unit is used as rangeland, wildlife habitat, and recreation areas.

The potential plant community on the Curecanti family soil is 35 percent grasses, 10 percent forbs, and 55 percent shrubs. Among the important plants are Gambel oak, snowberry, and bluegrass.

This soil is not grazeable by livestock because of the steepness of slope.

The potential vegetation on the Travessilla soil includes an overstory of pinyon and Utah juniper with a canopy of 60 percent. The understory vegetation is 15 percent grasses, 10 percent forbs, and 75 percent shrubs. Among the important plants are pinyon, Utah juniper, birchleaf mountainmahogany, and Mexican cliffrose.

The site index for pinyon and Utah juniper is 32. Average yield is 4 cords of wood per acre. The potential for production of posts or Christmas trees is poor.

This unit is severely limited for the harvesting of wood products because of the steepness of slope and the hazard of erosion. If wood products are harvested, the slash should be left scattered on the surface to protect the soil from erosion.

Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments. If the pinyon and Utah juniper are thinned, the desirable plants present can be expected to increase for a short period before the pinyon and Utah juniper revegetate the unit.

The suitability of this soil for rangeland seeding is very poor because of the shallow soil depth. It is not practical to revegetate large areas of rangeland. For critical erosion control, small areas can be mechanically treated and seeded.

The Nelman and Travessilla soils are in capability subclass VIIs, nonirrigated, and Rock outcrop is in capability subclass VIIIs. The Nelman soil is in the Upland Loam (Basin Big Sagebrush) range site. The Travessilla soil is in the Upland Shallow Loam (Pinyon-Utah Juniper) woodland site. Rock outcrop is not placed in a range or woodland site.

71—Pathead extremely bouldery fine sandy loam, 40 to 70 percent slopes. This moderately deep, well drained soil is on mountain slopes and canyonsides. It is in the areas of Range Creek, Rock Creek, Whitmore Canyon, and Price Canyon. It formed in colluvium derived dominantly from sandstone and shale. Slopes are 100 to 200 feet long and have south aspects. The present vegetation in most areas is mainly curlleaf mountainmahogany, pinyon, juniper, Salina wildrye, and serviceberry. Elevation is 7,500 to 9,000 feet. The average annual precipitation is 16 to 20 inches, the average annual air temperature is 38 to 45 degrees F, and the average freeze-free period is 60 to 100 days.

Typically, the surface layer is pale brown extremely bouldery fine sandy loam about 4 inches thick. The underlying material to a depth of 38 inches is pale brown and very pale brown very stony fine sandy loam. Depth to bedrock ranges from 20 to 40 inches.

Included in this unit are about 15 percent Perma soils that have slopes of 60 to 80 percent; 10 percent Comodore soils; and small areas of Senchert loam and Rock outcrop. The soils are in concave areas.

Permeability of this Pathead soil is moderate. Available water capacity is about 1.5 to 3.0 inches. Water supplying capacity is 4.0 to 8.5 inches. Effective rooting depth is 20 to 40 inches. The organic matter content of the surface layer is 1 to 3. Runoff is rapid, and the hazard of water erosion is moderate.

This unit is used as rangeland, wildlife habitat, and recreation areas.

The potential plant community on the Pathead soil is 35 percent grasses, 15 percent forbs, and 50 percent shrubs. Among the important plants are curlleaf mountainmahogany, Salina wildrye, and snowberry.

This unit is not grazeable by livestock because of the steepness of slope.

This map unit is in capability subclass VIIe, nonirrigated, and in the Mountain Very Steep Stony Loam (Curlleaf Mountainmahogany) range site.

72—Pathead-Curecanti family association. This map unit is on mountain slopes. It is in the Spring Canyon and Gordon Creek areas, west of Helper. Slopes are 50 to 70 percent, 300 to 400 feet long, and convex. Elevation is 6,800 to 9,000 feet. The average annual precipitation is about 16 to 20 inches, the average annual air temperature is 38 to 45 degrees F, and the average freeze-free period is 60 to 100 days.

This unit is 40 percent Pathead extremely stony loam, 50 to 70 percent slopes; 30 percent Curecanti family loam, 50 to 70 percent slopes; and 30 percent other soils and miscellaneous areas. The Pathead soil is on ridges and shoulders, and the Curecanti family soil generally has north aspects and is in drainageways.

Included in this unit are about 8 percent Podo cobbly loam, 7 percent Midfork family soils, and small areas of Pathead extremely bouldery fine sandy loam, Podo very bouldery sandy loam, Senchert loam, and Rock outcrop.

The Pathead soil is moderately deep and well drained. It formed in colluvium derived dominantly from sandstone and shale. The present vegetation is mainly Salina wildrye, low gray sage, and winterfat. Typically, the surface layer is brown extremely stony loam about 3 inches thick. The underlying material is pale brown very cobbly loam to a depth of 26 inches. Sandstone is at a depth of 20 to 40 inches.

Permeability of the Pathead soil is moderate. Available water capacity is about 1 to 2 inches. Water supplying capacity is 3.5 to 6.5 inches. Effective rooting depth is 20 to 40 inches. The organic matter content of the surface layer is 1 to 3 percent. Runoff is rapid, and the hazard of water erosion is high.

The Curecanti family soil is very deep and well drained. It formed in colluvium derived dominantly from sandstone and shale. The present vegetation is mainly Gambel oak, snowberry, Kentucky bluegrass, and aspen peavine. Typically, the upper part of the surface layer is dark grayish brown loam about 7 inches thick and the lower part is brown very stony loam about 8 inches thick.

The subsurface layer is very pale brown very stony loam about 5 inches thick. The subsoil to a depth of 60 inches or more is pale brown very stony loam.

Permeability of the Curecanti family soil is moderate. Available water capacity is about 5.0 to 6.5 inches. Water supplying capacity is 8 to 12 inches. Effective rooting depth is 60 inches or more. The organic matter content of the surface layer is 3 to 5 percent. Runoff is rapid, and the hazard of water erosion is high.

This unit is used as wildlife habitat and rangeland.

The potential plant community on the Pathead soil is 60 percent grasses, 15 percent forbs, and 25 percent shrubs. Among the important plants are Salina wildrye, prairie junegrass, bluegrass, and snowberry.

This soil is not grazeable by livestock because of the steepness of slope and the hazard of erosion.

The potential plant community on the Curecanti family soil is 35 percent grasses, 10 percent forbs, and 55 percent shrubs. Among the important plants are Gambel oak, snowberry, serviceberry, and bluegrass.

This soil is not grazeable by livestock because of the steepness of slope.

This map unit is in capability subclass VIIe, nonirrigated. The Pathead soil in the Mountain Very Steep Loam (Saline Wildrye) range site, and the Curecanti family soil is in the Mountain Very Steep Loam (Oak) range site.

73—Penoyer Variant loam, 1 to 3 percent slopes. This very deep, well drained soil is on valley floors. It is near Helper, Price, Wellington, and Miller Creek. It formed in alluvium derived dominantly from sandstone and shale. Slopes are about 300 to 400 feet long and are slightly concave to convex. The vegetation in areas not cultivated is mainly Indian ricegrass, galleta, and shadscale. Elevation is 5,400 to 6,000 feet. The average annual precipitation is 6 to 8 inches, the average annual air temperature is 48 to 50 degrees F, and the average freeze-free period is 115 to 140 days.

Typically, the surface layer is light brownish gray loam about 9 inches thick. The underlying material to a depth of 60 inches or more is light brownish gray very fine sandy loam, loam, and silt loam.

Included in this unit are small areas of a soil, mainly near Hiawatha Junction, that is similar to this Penoyer Variant soil but has a silty clay loam surface layer and small areas of soils that are similar to this Penoyer Variant soil but have gravelly loam below a depth of 20 to 30 inches or have a gravelly loam surface layer.

Permeability of this Penoyer Variant soil is moderate. Available water capacity is about 10 to 12 inches. Water supplying capacity is 4 to 5 inches. Effective rooting depth is 60 inches or more. The organic matter content of the surface layer is 1 to 2 percent. Runoff is slow, and the hazard of water erosion is slight. The hazard of soil blowing is moderate.

This unit is used mainly for irrigated crops and as rangeland. It is also used for homesite and urban development.

The potential plant community on the Penoyer Variant soil is 50 percent grasses, 10 percent forbs, and 40 percent shrubs. Among the important plants are galleta, Indian ricegrass, shadscale, and winterfat.

Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments. Severe drought may adversely affect the production of the perennial vegetation. Partial or total removal of livestock from the range may be necessary.

It is not practical to revegetate large areas of this unit because of the low annual precipitation. For critical erosion control, small areas can be mechanically treated and seeded. Plants that may be suitable for critical area seedings are adapted native plants.

If areas of this unit are irrigated, suitable management practices include conservation cropping systems with rotations of alfalfa hay, small grain, and corn. To maintain production, crop residue should be incorporated into the soil and fertilizer should be applied.

Irrigation water can be applied by the sprinkler or flood method. Fields can be leveled.

This map unit is in capability unit IIe-2, irrigated, and in capability subclass VIIe, nonirrigated. It is in the Desert Loam range site.

74—Penoyer Variant loam, 3 to 6 percent slopes. This very deep, well drained soil is on alluvial fans and valley floors. It is along the Price River, extending from Helper to Wellington. It formed in alluvium derived dominantly from sandstone and shale. Slopes are 200 to 300 feet long and are concave to convex. The vegetation in areas not cultivated is mainly Indian ricegrass, galleta, and shadscale. Elevation is 5,400 to 5,900 feet. The average annual precipitation is 6 to 8 inches, the average annual air temperature is 48 to 50 degrees F, and the average freeze-free period is 115 to 140 days.

Typically, the surface layer is light brownish gray loam about 9 inches thick. The underlying material to a depth of 60 inches or more is light brownish gray very fine sandy loam, loam, and silt loam.

Included in this unit are small areas of soils that are similar to this Penoyer Variant soil but have gravelly loam below a depth of 20 to 30 inches or have a gravelly loam surface layer.

Permeability of this Penoyer Variant soil is moderate. Available water capacity is about 10 to 12 inches. Water supplying capacity is 4 to 5 inches. Effective rooting depth is 60 inches or more. The organic matter content of the surface layer is 1 to 2 percent. Runoff is medium, and the hazard of water erosion is moderate. This soil is subject to sheet erosion. Rills and shallow gullies are in many areas. The hazard of soil blowing is moderate.

The potential plant community on the Senchert family soil is 60 percent grasses, 25 percent forbs, and 15 percent shrubs. Among the important plants are Thurber fescue, mountain brome, slender wheatgrass, aspen peavine, and mountain big sagebrush.

Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments. If the desirable forage plants are mostly depleted, brush management and seeding can be used to improve the rangeland vegetation. Suitable brush management practices include prescribed burning, chemical spraying, and mechanical treatment.

The suitability of the Senchert family soil for rangeland seeding is good. Plants suitable for seeding include adapted native plants and smooth brome, regar brome, alfalfa, and bitterbrush.

This map unit is in capability subclass VIe, nonirrigated. The Senchert soil is in the High Mountain Stony Loam (Engelmann Spruce) woodland site. The Senchert family soil is in the High Mountain Loam (Thurber Fescue) range site.

103—Senchert-Toze family complex. This map unit is on north, east, and west aspects of mountain slopes. It is in the vicinity of the Patmos Head, Mount Bartles, and Jump Creek. Slopes are I5 to 35 percent. The present vegetation is mainly aspen, white fir, and Douglas-fir. Elevation is 7,500 to 9,500 feet. The average annual precipitation is about 20 to 25 inches, the average annual air temperature is 36 to 38 degrees F, and the average freeze-free period is 40 to 60 days.

This unit is 50 percent Senchert loam, clayey substratum, 15 to 30 percent slopes; 30 percent Toze family loam, 15 to 35 percent slopes; and 20 percent other soils. The Senchert soil is in plane areas, and the Toze family soil is in concave areas. The components of this unit are so intricately intermingled that it was not practical to map them separately at the scale used.

Included in this unit are about 5 percent soils that are similar to the Senchert soil but are 40 to 60 inches thick; 5 percent Podo gravelly sandy loam, dry, 8 to 30 percent slopes, on canyon rims; 5 percent Trag clay loam in small sagebrush parks; and 5 percent soils that are similar to the Toze family soil but have slopes of 35 to 50 percent.

The Senchert soil is moderately deep and well drained. It formed in residuum and colluvium derived dominantly from sandstone and shale. Slopes are 300 to 400 feet long and are concave. Typically, the surface is covered with a mat of partially decomposed leaves, twigs, and needles about 1 inch thick. The surface layer is very dark grayish brown loam 4 inches thick. The subsoil is grayish brown clay loam about 14 inches thick. The substratum to a depth of 25 inches is light brownish gray silty clay over calcareous sandstone. Depth to sandstone ranges from 20 to 40 inches.

Permeability of the Senchert soil is moderately slow. Available water capacity is about 3.5 to 5.0 inches. Water supplying capacity is 8.5 to 12.0 inches. Effective rooting depth is 20 to 40 inches. The organic matter content of the surface layer is 5 to 10 percent. Runoff is slow, and the hazard of water erosion is moderate.

The Toze family soil is very deep and well drained. It formed in colluvium derived dominantly from sandstone, siltstone, and shale. Slopes are 200 to 400 feet long and are concave. Typically, the surface is covered with a mat of leaves, twigs, and needles about 1 inch thick. The upper 3 inches of the surface layer is dark grayish brown loam, and the lower 22 inches is dark grayish brown loam and gravelly silt loam. The next layer is grayish brown gravelly silt loam about 8 inches thick. Below this to a depth of 60 inches or more is pale brown very gravelly fine sandy loam. A layer of calcium carbonate accumulation is at a depth of about 24 inches.

Permeability of the Toze family soil is moderate. Available water capacity is about 6 to 9 inches. Water supplying capacity is 11 to 18 inches. The organic matter content of the surface layer is 3 to 5 percent. Effective rooting depth is 60 inches or more. Runoff is medium, and the hazard of water erosion is moderate.

This unit is used as rangeland, woodland, wildlife habitat, and recreation areas.

The potential vegetation on the Senchert and Toze family soils includes an overstory of Douglas-fir with a canopy of 60 percent. The understory vegetation is 10 percent grasses, 5 percent forbs, and 85 percent shrubs. Among the important plants are sedges, mountainlover, snowberry, Oregon-grape, and quaking aspen.

The site index for aspen is 50. Average yield is about 27,200 board feet per acre of trees 12 inches in diameter or more. The unit is moderately limited for producing and harvesting wood products because of the steepness of slope, the hazard of erosion, and plant competition during the regeneration of Douglas-fir.

Management practices that maintain or improve the rangeland vegetation on this unit include proper grazing use, a planned grazing system, and proper location of water developments. The suitability for grazing is poor because of the low forage production. If the Douglas-fir is thinned, the desirable plants present can be expected to increase for a short period before Douglas-fir revegetates the unit.

This map unit is in capability subclass VIIe, nonirrigated, and in the High Mountain Loam (Douglas-fir) range site.

104—Senchert family, 3 to 15 percent slopes. This moderately deep, well drained soil is on rolling ridges and plateaus. It is near Steer Ridge, Bruin Point, and Patmos Head. It in formed residuum and alluvium derived dominantly from sandstone and shale. Slopes are 3 to 15 percent, 200 to 300 feet long, and slightly concave to convex. The present vegetation is mainly

mountain big sagebrush and Thurber fescue. Elevation is 8,800 to 9,700 feet. The average annual precipitation is about 20 to 30 inches, the average annual air temperature is 36 to 38 degrees F, and the average freeze-free period is 40 to 60 days.

Typically, the surface layer is dark grayish brown loam about 11 inches thick. The subsoil to a depth of 35 inches is dark grayish brown loam and clay loam over sandstone. Depth to sandstone ranges from 20 to 40 inches.

Included in this unit are about 5 percent Beje fine sandy loam intermingled throughout the unit, 5 percent soils that are similar to this Senchert family soil but are more than 40 inches deep to bedrock and are intermingled throughout the unit, 5 percent Senchert loam, 3 to 15 percent slopes, and 5 percent Toze family loam.

Permeability of this Senchert family soil is moderately slow. Available water capacity is about 5 to 7 inches. Water supplying capacity is 12 to 16 inches. Effective rooting depth is 20 to 40 inches. The organic matter content of the surface layer is 5 to 10 percent. Runoff is slow, and the hazard of water erosion is moderate.

This unit is used as rangeland and wildlife habitat.

The potential plant community on the Senchert family soil is 60 percent grasses, 25 percent forbs, and 15 percent shrubs. Among the important plants are Thurber fescue, mountain brome, slender wheatgrass, aspen peavine, and mountain big sagebrush.

Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments. If the desirable forage plants are mostly depleted, brush management and seeding can be used to improve the rangeland vegetation. Suitable brush management practices include prescribed burning, chemical spraying, and mechanical treatment.

The suitability of this unit for rangeland seeding is good. Plants suitable for seeding include adapted native plants and smooth brome, regar brome, alfalfa, and bitterbrush.

This map unit is in capability subclass VIe, nonirrigated, and in the High Mountain Loam (Thurber Fescue) range site.

105—Senchert family-Senchert complex. This map unit is on mountain slopes. It is east of Scofield Reservoir. Slopes are 30 to 40 percent, 100 to 200 feet long, and concave to convex. Elevation is 8,000 to 9,l00 feet. The average annual precipitation is about 20 to 30 inches, the average annual air temperature is 36 to 38 degrees F, and the average freeze-free period is 40 to 60 days.

This unit is 40 percent Senchert family very fine sandy loam, 30 to 50 percent slopes; 35 percent Senchert loam, 30 to 50 percent slopes; and 25 percent other soils. The components of this unit are so intricately intermingled that it was not practical to map them separately at the scale used.

Included in this unit are about 15 percent Podo cobbly loam and 10 percent soils that are similar to the Senchert soil but have 35 percent rock fragments and are under oak.

The Senchert family soil is moderately deep and well drained. It formed in alluvium and residuum derived dominantly from calcareous sandstone. The present vegetation is mainly mountain big sagebrush, vetch, and Columbia needlegrass. Typically, the surface layer is brown very fine sandy loam about 8 inches thick. The subsoil is brown clay loam about 16 inches thick. The substratum to a depth of 27 inches is very pale brown clay loam over calcareous sandstone. Depth to sandstone ranges from 20 to 40 inches.

Permeability of the Senchert family soil is moderate. Available water capacity is about 4.0 to 5.5 inches. Water supplying capacity is 9 to 13 inches. Effective rooting depth is 20 to 40 inches. The organic matter content of the surface layer is 5 to 10 percent. Runoff is medium, and the hazard of water erosion is moderate. The hazard of soil blowing is moderate.

The Senchert soil is moderately deep and well drained. It formed in colluvium and residuum derived dominantly from sandstone. The present vegetation is mainly aspen, snowberry, and western coneflower. Typically, the surface layer is very dark grayish brown loam about 4 inches thick. The upper part of the subsoil is brown loam about 12 inches thick, and the lower part to a depth of 35 inches is brown clay loam over sandstone. Depth to sandstone ranges from 20 to 40 inches.

Permeability of the Senchert soil is moderate. Available water capacity is about 5 to 6 inches. Water supplying capacity is 12 to 17 inches. Effective rooting depth is 20 to 40 inches. The organic matter content of the surface layer is 5 to 10 percent. Runoff is medium, and the hazard of water erosion is moderate.

This unit is used as rangeland, woodland, wildlife habitat, recreation areas, and watershed.

The potential vegetation on the Senchert family soil is 60 percent grasses, 25 percent forbs, and 15 percent shrubs. Among the important plants are Thurber fescue, mountain brome, slender wheatgrass, mountain big sagebrush, and aspen peavine.

Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments. If the desirable forage plants are mostly depleted, brush management and seeding can be used to improve the rangeland vegetation. Suitable brush management practices include prescribed burning, chemical spraying, and mechanical treatment.

The suitability of this soil for rangeland seeding is good. Plants suitable for seeding include adapted native

plants and smooth brome, regar brome, alfalfa, and bitterbrush.

The vegetation on the Senchert soil includes an overstory of aspen with a canopy of 40 percent. The understory vegetation is 65 percent grasses, 15 percent forbs, and 20 percent shrubs. Among the important plants are slender wheatgrass, Columbia needlegrass, Thurber fescue, and quaking aspen.

This soil is well suited to the production of aspen. The site index for aspen ranges from 60 to 80. The unit can produce about 40 cubic feet of aspen wood products per acre per year. This unit is severely limited for the harvesting of wood products because of the steepness of slope and the hazard of erosion.

The suitability of this soil for grazing is only fair because of the steepness of slope. Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments. If the desirable forage plants are mostly depleted, burning can be used to improve the rangeland vegetation.

The suitability of this soil for rangeland seeding is poor. The main limitations are competition from aspen and steepness of slope.

This map unit is in capability subclass VIIe, nonirrigated. The Senchert family soil is in the High Mountain Loam (Thurber Fescue) range site. The Senchert soil is in the High Mountain Loam (Aspen) woodland site.

106—Sheepcan-Podo-Rock outcrop complex. This map unit is on mountain slopes along the northern side of Minniemaud Creek. Slopes are 40 to 60 percent. Elevation is 7,000 to 8,500 feet. The average annual precipitation is 15 to 18 inches, the average annual air temperature is 38 to 45 degrees F, and the average freeze-free period is 70 to 100 days.

This unit is 35 percent Sheepcan stony loam, 40 to 70 percent slopes, eroded, in the lower lying areas; 25 percent Podo gravelly loam, dry, 40 to 60 percent slopes, eroded, in the higher lying areas; 15 percent Rock outcrop intermingled with the areas of the Podo soil; and 25 percent other soils and miscellaneous areas. The components of this unit are so intricately intermingled that it was not practical to map them separately at the scale used.

Included in this unit are about 8 percent Pathead gravelly loam; 5 percent Guben extremely bouldery fine sandy loam, 50 to 80 percent slopes; 5 percent Shupert gravelly loam; and small areas of Datino Variant extremely stony fine sandy loam, Cabba family bouldery loam, 40 to 70 percent slopes, and Badland.

The Sheepcan soil is very deep and well drained. It formed in colluvium derived dominantly from sandstone and shale of the Green River Formation. About 20 percent of this soil has slopes of 40 to 50 percent. Slopes are 100 to 200 feet long, are concave to convex, and have south aspect. The present vegetation in most areas is mainly big sagebrush, Utah juniper, Rocky mountain juniper, and antelope bitterbrush. Typically, the surface layer is light yellowish brown stony loam about 9 inches thick. The upper 19 inches of the underlying material is light gray and pale yellow gravelly clay loam and cobbly clay loam, and the lower part to a depth of 60 inches or more is white very cobbly clay loam.

Permeability of the Sheepcan soil is moderately slow. Available water capacity is 6.0 to 7.5 inches. Water supplying capacity is 8.5 to 11.0 inches. Effective rooting depth is 60 inches or more. The organic matter content of the surface layer is 1 to 3 inches. Runoff is medium, and the hazard of water erosion is high.

The Podo soil is shallow and well drained. It formed in residuum and colluvium derived dominantly from shale of the Green River Formation. About 20 percent of this soil has slopes of 40 to 50 percent. Slopes are 200 to 300 feet long, are concave to convex, and have south aspect. The present vegetation in most areas is mainly Salina wildrye, curlleaf mountainmahogany, Utah juniper, pinyon, and Douglas-fir. Typically, the surface layer is pale brown gravelly loam about 1 inch thick. The underlying material to a depth of 8 inches is pale brown gravelly loam over hard shale. Depth to bedrock ranges from 8 to 20 inches.

Permeability of the Podo soil is moderately rapid. Available water capacity is about 1 to 2 inches. Water supplying capacity is 2 to 4 inches. Effective rooting depth is 8 to 20 inches. The organic matter content of the surface layer is 1 to 3 percent. Runoff is rapid, and the hazard of water erosion is high.

Rock outcrop consists of exposures of bedrock in the form of steep and very steep escarpments and ridges. The rock is sandstone, siltstone, and shale. These areas are mostly barren; however, enough soil material has collected in small depressional areas, crevices, and cracks to support some grasses and stunted trees and shrubs.

This unit is used as rangeland, woodland, wildlife habitat, and recreation areas.

The potential plant community on the Sheepcan soil is 60 percent grasses, 15 percent forbs, and 25 percent shrubs. Among the important plants are Salina wildrye, prairie junegrass, snowberry, and serviceberry.

This soil is not grazeable by livestock because of the steepness of slope and the hazard of erosion.

The potential vegetation on the Podo soil includes an overstory of pinyon, Utah juniper, and Douglas-fir with a canopy of 30 percent. The understory vegetation is 10 percent grasses, 15 percent forbs, and 75 percent shrubs. Among the important plants are birchleaf mountainmahogany, Utah serviceberry, bluegrass, and Salina wildrye.

The site index for pinyon and Utah juniper is 37. Average yield is 6 cords of wood per acre. The potential for the production of posts or Christmas trees is poor.

Harvesting of wood products is severely limited by the steepness of slope, the hazard of erosion, and rock fragments on the surface.

This soil is not grazeable by livestock because of the steepness of slope and the stoniness of the surface layer.

The Sheepcan and Podo soils are in capability subclass VIIe, nonirrigated, and the Rock outcrop is in capability subclass VIIIs. The Sheepcan soil is in the Mountain Very Steep Loam (Saline Wildrye) range site, and the Podo soil is in the Upland Very Steep Shallow Loam (Pinyon-Utah Juniper) woodland site. The Rock outcrop is not placed in a range site or a woodland site.

107—Shupert-Winetti complex. This map unit is on narrow valley and canyon floors in the Book Cliffs and in an area northwest of Price and east of Sunnyside. Slopes are 1 to 8 percent, 100 to 200 feet long, and concave. The present vegetation in most areas is mainly basin big sagebrush, rabbitbrush, cheatgrass, needleandthread, and dropseed. Elevation ranges from 4,600 to 7,200 feet but commonly is 5,200 to 6,400 feet. The average annual precipitation is 12 to 16 inches, the average annual air temperature is 43 to 45 degrees F, and the average freeze-free period is 80 to 100 days.

This unit is 40 percent Shupert gravelly loam, 1 to 8 percent slopes; 35 percent Winetti bouldery sandy loam, 1 to 8 percent slopes; and 25 percent other soils. The components of this unit are so intricately intermingled that it was not practical to map them separately at the scale used.

Included in this unit are about 15 percent Haverdad loam on toe slopes, 5 percent Glenberg family very fine sandy loam on toe slopes at lower elevations, and 5 percent soils that are similar to the Winetti soil but are along the stream channels and support riparian vegetation.

The Shupert soil is very deep and well drained. It formed in alluvium derived dominantly from sandstone and shale. Typically, the surface layer is pale brown gravelly loam about 3 inches thick. The next layer is pale brown clay loam about 6 inches thick. Below this to a depth of 60 inches or more is light brownish gray and light yellowish brown clay loam.

Permeability of the Shupert soil is moderately slow. Available water capacity is about 10.0 to 11.5 inches. Water supplying capacity is 6.5 to 10.0 inches. Effective rooting depth is 60 inches or more. The organic matter content of the surface layer is 1 to 2 percent. Runoff is slow, and the hazard of water erosion is moderate. This soil is subject to flooding during prolonged, high-intensity storms. Channeling and deposition are common along streambanks.

The Winetti soil is very deep and well drained. It formed in alluvium derived dominantly from sandstone and shale. Typically, the surface layer is grayish brown bouldery sandy loam about 6 inches thick. The next layer is pale brown loam about 5 inches thick. The next layer is pale brown and brown very bouldery loam about 23 inches thick. Below this to a depth of 60 inches or more is pale brown very gravelly sandy loam.

Permeability of the Winetti soil is moderately rapid. Available water capacity is about 4.0 to 5.5 inches. Water supplying capacity is 4.5 to 8.0 inches. Effective rooting depth is 60 inches or more. The organic matter content of the surface layer is 1 to 3 percent. Runoff is slow, and the hazard of water erosion is slight. This soil is subject to flooding during prolonged, high-intensity storms. Channeling and deposition are common along streambanks.

This unit is used mainly as rangeland and wildlife habitat. It is also used for irrigated crops.

The potential plant community on the Shupert and Winetti soils is 60 percent grasses, 10 percent forbs, and 30 percent shrubs. Important plants are basin wildrye, western wheatgrass, basin big sagebrush, and rubber rabbitbrush.

Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments. If the desirable forage plants are mostly depleted, brush management and rangeland seeding can be used to improve the rangeland vegetation. Suitable brush management practices include prescribed burning, chemical spraying, and mechanical treatment.

The suitability of this unit for rangeland seeding is good. Plants suitable for seeding include adapted native plants and Russian wildrye, crested wheatgrass, and ladak alfalfa.

This map unit is in capability unit IIIe-3, irrigated, and in capability subclass VIIe, nonirrigated. It is in the Loamy Bottom range site.

108—Silas loam. This very deep, somewhat poorly drained soil is in narrow alluvial valleys. It is in Pleasant Valley, north of Scofield, and in Emma Park, near Willow Creek. It formed in alluvium derived dominantly from sandstone and shale of the Price River and Black Hawk Formations. Slopes are 0 to 3 percent, 100 to 200 feet long, and concave to convex. The present vegetation in most areas is mainly Kentucky bluegrass, wiregrass, carex, and arrowgrass. Elevation is 7,200 to 7,700 feet. The average annual precipitation is 16 to 20 inches, the average annual air temperature is 38 to 45 degrees F, and the average freeze-free period is 60 to 80 days.

Typically, the surface layer is dark grayish brown loam about 28 inches thick. The next layer is grayish brown loam about 15 inches thick. Below this to a depth of 60 inches or more is light brownish gray sandy clay loam. Mottles are at a depth of 28 to 60 inches.

Included in this unit are about 10 percent tuffaceous material that originated from the sulfur spring in the area where the railroad crosses the highway and extends north to Scofield Reservoir and about 5 percent Brycan

loam on alluvial fans at the foot of the mountain slopes. Also included are small areas of soils that are similar to this Silas soil but are poorly drained and are adjacent to Scofield Reservoir and in low areas.

Permeability of this Silas soil is moderate. Available water capacity is about 9 to 11 inches. Effective rooting depth is 60 inches or more for water-tolerant plants but is limited to 20 to 40 inches for non-water-tolerant plants. The organic matter content of the surface layer is 5 to 10 percent. Runoff is slow, and the hazard of water erosion is none.

This unit is used for irrigated pasture, grass hay, rangeland, and wildlife habitat.

The potential plant community on the Silas soil is 65 percent grasses, 15 percent forbs, and 20 percent shrubs. Among the important plants are sedges, tufted hairgrass, willow, shrubby cinquefoil, and clover.

Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments.

The suitability of this unit for grazing is good. The main limitations are the high water table and potential water pollution. Livestock grazing should be managed to protect the streambanks from excessive erosion.

This map unit is in capability subclass VIw, nonirrigated, and in the Mountain Meadow range site.

109—Silas-Brycan loams. This map unit is in narrow alluvial valleys and fans. It is in Pleasant Valley, along Mud Creek; along the Price River, below Scofield Reservoir; along Beaver Creek; and at the head of Jump Creek. Slopes are 0 to 8 percent. Elevation is 7,700 to 8,600 feet. The average annual precipitation is 16 to 20 inches, the average annual air temperature is 38 to 45 degrees F, and the average freeze-free period is 60 to 80 days.

This unit is 65 percent Silas loam, wet, 0 to 3 percent slopes; 20 percent Brycan loam, 3 to 8 percent slopes; and 15 percent other soils. The Silas soil is in low areas adjacent to the stream channel, and the Brycan soil is on alluvial fans adjacent to the narrow alluvial valleys. The components of this unit are so intricately intermingled that it was not practical to map them separately at the scale used.

Included in this unit are small areas of soils that are similar to the Silas soil but are poorly drained; soils that are similar to the Silas soil but have slopes of 3 to 6 percent; flooded areas of soils, adjacent to streams, that have a loamy very fine sand surface layer 8 to 12 inches thick; and soils that are similar to the Brycan soil but are about 30 percent pebbles throughout.

The Silas soil is very deep and somewhat poorly drained. It formed in alluvium derived dominantly from sandstone and shale of the Black Hawk Formation. Slopes are 300 to 500 feet long and are plane to concave. The present vegetation in most areas is mainly silver sagebrush, bluegrasses, sedges, wiregrass, and scattered Colorado blue spruce. Typically, the surface layer is dark grayish brown loam about 28 inches thick. The next layer is grayish brown loam about 15 inches thick. Below this to a depth of 60 inches or more is light brownish gray sandy clay loam. Mottles are at a depth of 28 to 60 inches. A water table fluctuates between depths of 20 and 25 inches in spring and between depths of 35 and 45 inches during the drier season. In some areas this soil is about 20 percent pebbles and cobbles at a depth of 36 inches. In some areas this soil is stratified. The components of this unit are so intricately intermingled that it was not practical to map them separately at the scale used.

Permeability of the Silas soil is moderate. Available water capacity is about 9 to 11 inches. Effective rooting depth is 60 inches or more for water-tolerant plants but is limited to 18 to 24 inches for non-water-tolerant plants. The organic matter content of the surface layer is 5 to 10 percent. Runoff is slow, and the hazard of water erosion is none.

The Brycan soil is very deep and well drained. It formed in alluvium derived dominantly from sandstone and shale of the Black Hawk Formation. Slopes are 100 to 200 feet long and are plane to convex. The present vegetation in most areas is mainly mountain big sagebrush and rabbitbrush. Typically, the surface layer is dark grayish brown and brown loam 12 inches thick. The subsoil is brown loam 20 inches thick. The substratum to a depth of 60 inches or more is brown silt loam.

Permeability of the Brycan soil is moderately slow. Available water capacity is about 9.0 to 10.5 inches. Water supplying capacity is 10 to 16 inches. Effective rooting depth is 60 inches or more. The organic matter content of the surface layer is 2 to 4 percent. Runoff is medium, and the hazard of water erosion is moderate.

Most areas of this unit are used for irrigated pasture, rangeland, and wildlife habitat. A few areas are used for urban development.

The potential plant community on the Silas soil is 65 percent grasses, 15 percent forbs, and 20 percent shrubs. Among the important plants are sedges, tufted hairgrass, willow, shrubby cinquefoil, and clover.

Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments.

The suitability of the Silas soil for grazing is good. The main limitations are the fluctuating water table and the potential for pollution of water. Livestock grazing should be managed to protect the streambanks from erosion. If possible no other revegetation practices should be applied because this soil is a critical wildlife area.

The potential plant community on the Brycan soil is 60 percent grasses, 10 percent forbs, and 30 percent shrubs. Among the important plants are bluebunch

wheatgrass, Letterman needlegrass, Salina wildrye, mountain big sagebrush, and snowberry.

If the desirable forage plants are mostly depleted, brush management and rangeland seeding can be used to improve the rangeland vegetation. Suitable brush management practices include prescribed burning, chemical spraying, and mechanical treatment.

The suitability of the Brycan soil for rangeland seeding is good. Plants suitable for seeding include those native to the soil and intermediate wheatgrass, smooth brome, regar brome, slender wheatgrass, and alfalfa. The suitability of this soil for grazing is good.

This map unit is in capability subclass VIw, nonirrigated. The Silas soil is in the Mountain Meadow range site. The Brycan soil is in the Mountain Loam (Saline Wildrye) range site.

110—Stormitt gravelly sandy clay loam, 3 to 10 percent slopes. This very deep, well drained soil is on benches near Helper, Price, and the Carbon-Emery county line. It formed in glacial outwash derived dominantly from sandstone, quartzite, and shale. Slopes are 200 to 400 feet long and are concave to convex. The present vegetation in most areas is mainly galleta, shadscale, black sagebrush, and Indian ricegrass. Elevation is 5,450 to 6,200 feet. The average annual precipitation is 8 to 10 inches, the average annual air temperature is 47 to 49 degrees F, and the average freeze-free period is 110 to 135 days.

Typically, the surface layer is pale brown gravelly sandy clay loam about 1 inch thick. The subsoil is light yellowish brown and brownish yellow gravelly sandy clay loam about 8 inches thick. The substratum to a depth of 60 inches or more is very pale brown very cobbly sandy clay loam. In some areas the surface layer has been lost through erosion.

Included in this unit are about 5 percent Minchey loam in draws and 5 percent soils that are similar to this Stormitt soil but are 20 to 40 inches deep to sandstone and are on ridges.

Permeability of this Stormitt soil is moderate. Available water capacity is about 5 to 7 inches. Water supplying capacity is 3.5 to 5.5 inches. Effective rooting depth is 60 inches or more. The organic matter content of the surface layer is 1 to 2 percent. Runoff is moderate, and the hazard of water erosion is slight. In places shallow gullies have formed.

This unit is used as rangeland in spring and fall.

The potential plant community on the Stormitt soil is 35 percent grasses, 10 percent forbs, and 55 percent shrubs. Among the important plants are Wyoming big sagebrush, Indian ricegrass, galleta, and needleandthread.

Management practices that maintain or improve the rangeland vegetation include proper grazing use, a planned grazing system, and proper location of water developments.

The suitability of this unit for rangeland seeding is poor. The main limitations are the stoniness of the soil and the low annual precipitation. Plants suitable for seeding include those native to the unit and crested wheatgrass, pubescent wheatgrass, and prostrate kochia.

This map unit is in capability subclass VIIs, nonirrigated, and in the Semidesert Gravelly Loam (Wyoming Big Sagebrush) range site.

111—Stormitt-Minchey complex. This map unit is on benches and mesas near Price, Wellington, and the Carbon-Emery county line. Slopes are 1 to 10 percent. The present vegetation in most areas is mainly galleta, shadscale, Wyoming big sagebrush, and Indian ricegrass. Elevation is 5,500 to 6,000 feet.

This unit is 55 percent Stormitt gravelly sandy clay loam, 3 to 10 percent slopes, eroded; 35 percent Minchey loam, 1 to 3 percent slopes; and 10 percent other soils. The components of this unit are so intricately intermingled that it was not practical to map them separately at the scale used.

Included in this unit is about 10 percent Mivida very fine sandy loam.

The Stormitt soil is very deep and well drained. It formed in glacial outwash derived dominantly from sandstone, shale, and quartzite. Slopes are 100 to 300 feet long and are concave to convex. The average annual precipitation is 8 to 10 inches, the average annual air temperature is 47 to 49 degrees F, and the average freeze-free period is 110 to 135 days. Typically, the surface layer is pale brown gravelly sandy clay loam about 1 inch thick. The subsoil is light yellowish brown and brownish yellow gravelly sandy clay loam about 8 inches thick. The substratum to a depth of 60 inches or more is very pale brown very cobbly sandy clay loam. In some areas the surface layer has been lost through erosion.

Permeability of the Stormitt soil is moderate. Available water capacity is about 5 to 7 inches. Water supplying capacity is 4 to 5 inches. Effective rooting depth is 60 inches or more. The organic matter content of the surface layer is 1 to 2 percent. Runoff is moderate, and the hazard of water erosion is medium. In places shallow gullies have formed.

The Minchey soil is very deep and well drained. It formed in moderately fine textured glacial outwash derived dominantly from sandstone, quartzite, and shale. Slopes are 200 to 400 feet long and are convex. The average annual precipitation is 6 to 8 inches, the average annual air temperature is 48 to 50 degrees F, and the average freeze-free period is 115 to 140 days. Typically, the surface layer is pale brown loam 3 inches thick. The next layer is brown, pale brown, or very pale brown clay loam or sandy clay loam about 29 inches thick. Below this to a depth of 60 inches or more is pale

APPENDIX 7-7

Surface-Water Monitoring Data

Add to the back of existing information.

Site	Flow gpm	pH SU	Cond. umhos	Temp. C	TSS mg/l	TDS mg/l	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	HCO3 mg/l	CO3 mg/l	SO4 mg/l	CL mg/l	SIO2 mg/l	Air Temp. C	Diss. Ox. ppm	Al mg/l	As mg/l	Ba mg/l	B mg/l	Cd mg/l
PC-1A																						
March 30, 1999	No Access																8.00	<0.03	<0.001		0.04	<0.0005
June 21, 1999	79.62	8.29	728.00	10.30	34.00	480.00	71.80	52.40	29.30	2.00	<2	<2	90.00	9.20								
September 21, 1999	15.00	8.43	716.00	14.50	28.00	470.00	74.50	51.90	32.10	2.60	<2	<2	100.00	3.00			6.00	0.03	<0.001		0.05	<0.0005
June 14, 2000	67.30	8.28	721.00	17.00	34.00	480.00	71.80	52.40	29.30	2.00	<2	<2	90.00	9.20			7.00	<0.03	<0.001		0.04	<0.0005
September 26, 2000	15.00	8.40	730.00	2.00	<5	510.00	75.10	57.20	32.20	2.20	<2	<2	100.00	<2			8.00	<0.03	<0.001		0.05	<0.0005
June 20, 2001	15.00	8.40	560.00	9.00	<5	440.00	69.10	47.30	25.50	2.10	<2	<2	70.00	3.00			8.00	<0.03	<0.0005		0.04	<0.0005
September 25, 2001	9.20	8.60	630.00	9.00	<5	500.00	77.20	55.70	30.50	2.50	<2	12.00	90.00	3.00			8.00	<0.03	0.0005		0.04	<0.0005
April 9, 2002	20.00	7.48	499.00	4.00	1.11	386.00	64.80	46.60	26.90	2.10	<2	<2	90.00	3.00			6.00					
August 7, 2002	5.50	7.92	1039.00	14.00	28.00	463.00	68.90	54.50	32.70	2.50	<2	<2	90.00	3.00			6.00					
October 17, 2002	2.30	7.86	1099.00	1.00	<5	480.00	76.80	54.90	29.90	2.00	<2	<2	100.00	3.00			5.00					
June 26, 2003	38.00	8.72	856.00	12.00	<5	451.00	71.50	51.00	29.50	2.20	<2	<2	90.00	3.00			5.50					
August 14, 2003	4.00	8.80	741.00	15.00	8.00	490.00	74.70	53.60	31.00	2.30		40.00	100.00	3.00			5.50					
October 1, 2003	1.10	8.49	761.00	5.00	10.00	466.00	73.60	51.10	28.40	1.80	<2	<2	90.00	3.00			6.00					
PC-2																						
March 30, 1999	198.50	8.83	816.00	11.60	18.00	560.00	52.40	66.20	45.20	2.90	<2	<2	170.00	8.00			6.00	0.06	<0.001		0.06	<0.0005
June 21, 1999	54.39	8.54	869.00	4.50	12.00	570.00	70.60	71.10	47.40	2.90	<2	10.00	170.00	7.00			8.00	<0.03	<0.001		0.06	<0.0005
September 21, 1999	132.57	8.90	809.00	14.80	16.00	560.00	66.50	62.70	47.90	4.00	<2	<2	170.00	7.00			6.00	<0.03	<0.001		0.07	<0.0005
November 30, 1999	74.66	7.52	897.00	5.40	<5	620.00	71.30	71.70	43.50	2.90	<2	4.00	200.00	8.00			9.00	<0.03	<0.001		0.06	<0.0005
June 19, 2000	177.28	8.57	969.00	6.00	<5	560.00	60.20	72.60	49.50	3.10	<2	41.00	180.00	7.00			7.00	<0.03	<0.001		0.08	<0.0005
September 26, 2000	66.78	8.10	860.00	3.30	<5	650.00	69.20	72.00	47.90	3.70	<2	7.00	210.00	9.00			8.00	<0.03	<0.001		0.08	<0.0005
June 20, 2001	577.90	8.80	690.00	15.50	6.00	530.00	52.70	63.70	44.00	2.60	<2	5.00	150.00	8.00			8.00	<0.03	0.0005		0.07	<0.0005
September 25, 2001	15.00	8.80	720.00	8.50	<5	610.00	60.30	74.80	48.30	3.60	<2	25.00	210.00	8.00			8.00	<0.03	0.0006		0.07	<0.0005
April 9, 2002	19.00	7.94	706.00	7.00	<5	579.00	69.60	70.00	42.50	3.20	<2	<2	230.00	11.20			5.00					
August 7, 2002	No Flow																-					
October 11, 2002	15.00	7.94	910.00	10.00	<5	745.00	74.40	85.20	53.80	4.40	<2	<2	260.00	10.00			5.50					
March 25, 2003	6.60	8.35	1298.00	0.00																		
June 26, 2003	95.00	8.80	1138.00	11.00	<5	586.00	56.80	68.90	49.50	3.50	<2	25.00	210.00	7.00			6.00					
August 14, 2003	No Flow																					
October 1, 2003	No Flow																					
RC-1																						
March 30, 1999	No Flow																					
June 21, 1999	No Flow																					
September 21, 1999	3.59	7.00	1537.00	13.90	<5	955.00	135.00	150.00	74.20	8.50	<2	<2	590.00	16.00			4.00	<0.03	<0.001		0.116	<0.0005
June 14, 2000	No Flow																					
September 26, 2000	15.00	8.00	1120.00	9.44	<5	860.00	81.20	92.80	70.70	4.60	<2	<2	330.00	12.00			6.00	<0.03	<0.001		0.11	<0.0005
June 20, 2001	12.00	8.40	890.00	11.00													6.00					
September 25, 2001	0.44	8.30	1050.00	9.50	<5	860.00	82.80	96.80	76.60	4.70	<2	<2	360.00	12.00			6.00	<0.03	0.005		0.11	<0.0005
April 9, 2002	No Flow																					
August 5, 2002	No Flow																					
October 11, 2002	0.03	7.77	2130.00	8.00	6.00	1160.00	125.00	138.00	63.90	8.00	<2	<2	530.00	18.00			5.00	0.03	<0.001		0.14	<0.0005
March 25, 2003	No Flow																					
June 26, 2003	No Flow																					
August 14, 2003	No Flow																					
October 1, 2003	No Flow																					

Site	Cr mg/l	F mg/l	Fe Diss. mg/l	Fe (T) mg/l	Pb mg/l	Mn mg/l	Hg mg/l	Mo mg/l	Ni mg/l	NO2 mg/l	NO3 mg/l	Oil & G mg/l	Acidity mg/l	PO4 mg/l	Se mg/l	Sulfide mg/l	Zn mg/l	Sr mg/l	Li mg/l
PC-1A																			
March 30, 1999			<0.01	0.92	<0.04	0.011		<0.01		<0.03	0.44	<2		<0.05	<0.001		<0.01		
June 21, 1999																			
September 21, 1999			<0.01	0.43	<0.04	0.039		<0.01		<0.03	0.07			<0.05	<0.001		<0.01		
June 14, 2000			<0.01	0.92	<0.04	0.011		<0.01		<0.03	0.44	<2		<0.05	<0.001		<0.01		
September 26, 2000			<0.01	1.88	<0.0001	0.024	<0.001	<0.01		<0.03	0.22	<2		<0.05	<0.001		<0.01		
June 20, 2001			<0.01	0.33	<0.0001	0.022		<0.01		<0.03	0.44			<0.05	<0.001		<0.01		
September 25, 2001			<0.01	0.18	<0.0001	0.024		<0.01		<0.03	0.18			<0.05	<0.001		<0.01		
April 9, 2002			0.01	6.72		0.116													
August 7, 2002			<0.01	0.59		0.025													
October 17, 2002			<0.01	0.10		0.023													
June 26, 2003			<0.01	0.14		0.011													
August 14, 2003			0.13	0.17		0.007													
October 1, 2003			<0.02	0.39		0.014													
PC-2																			
March 30, 1999			0.10	0.63	<0.04	0.020		<0.01		<0.03	0.73			0.08	<0.001		<0.01		
June 21, 1999			<0.01	0.17	<0.04	0.007		<0.01		<0.01	0.20	<2		0.05	0.001		<0.01		
September 21, 1999			<0.01	0.22	<0.04	0.007		<0.01		<0.03	0.06			<0.05	<0.001		<0.01		
November 30, 1999			<0.01	0.03	<0.04	<0.005		<0.01		<0.03	0.76			<0.05	0.002		<0.01		
June 19, 2000			<0.01	0.87	<0.04	0.029		<0.01		<0.03	0.49			<0.05	0.001		<0.01		
September 26, 2000			<0.01	0.02	<0.0001	0.039		<0.01		<0.03	0.04	<2		<0.05	<0.001		<0.01		
June 20, 2001			<0.01	0.18	<0.0001	0.006		<0.01		<0.03	0.73			0.08	0.001		<0.01		
September 25, 2001			<0.01	0.05	<0.0001	0.006		<0.01		<0.03	<0.03			<0.05	<0.001		<0.01		
April 9, 2002			<0.01	<0.01		0.006													
August 7, 2002																			
October 11, 2002			0.02	0.02		0.007													
March 25, 2003																			
June 26, 2003			<0.01	0.02		<0.005													
August 14, 2003																			
October 1, 2003																			
RC-1																			
March 30, 1999																			
June 21, 1999																			
September 21, 1999			0.02	0.02	<0.0001	0.074		<0.01		<0.03	0.31	<2		<0.05	0.004		<0.01		
June 14, 2000																			
September 26, 2000			0.03	0.15	<0.0001	0.047	<0.001	<0.01		<0.03	0.04	<2		<0.05	0.002		<0.01		
June 20, 2001																			
September 25, 2001			<0.01	0.01	<0.0002	<0.005		<0.01		<0.03	<0.03	<2		<0.05	<0.001		<0.01		
April 9, 2002																			
August 5, 2002																			
October 11, 2002			0.08	0.13	0.0001	0.023		<0.01			0.04	<2		8.00	<0.001		<0.01		
March 25, 2003																			
June 26, 2003																			
August 14, 2003																			
October 1, 2003																			

APPENDIX 7-1

Water Rights Data

Add to the back of existing information.

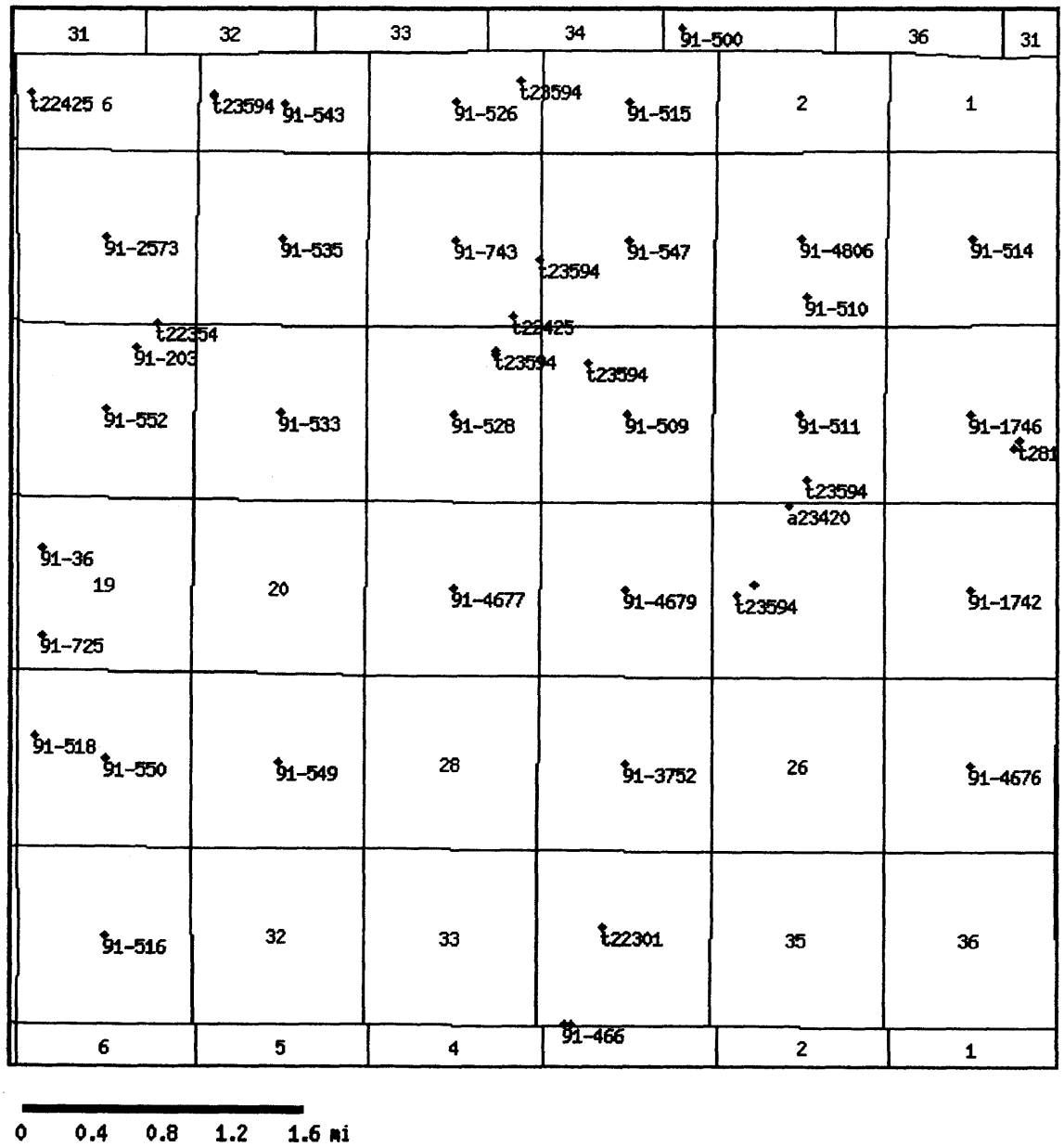
utah.gov State Online Services Agency List Search Utah.gov go

UTAH DIVISION OF WATER RIGHTS

WRPLAT Program Output Listing

Version: 2003.10.25.00 Rundate: 10/30/2003 06:53 AM

Search of Township 13S, Range 12E, SL b&m Criteria:wrtypes=W,C,E podtypes=all status=U,A,P usetypes=all



Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owne
91-203	Underground S780 E900 N4 18 13S 12E SL		P	19540506	O	0.250	0.000	Canyon Fuel Com CityPlace One Sui
91-36	Surface N1040 E730 W4 19 13S 12E SL		P	19170926	DI	0.000	0.000	Canyon Fuel Com CityPlace One Sui
91-427	Surface N50 E1030 SW 34 13S 12E SL		P	19020000	S	0.000	0.000	Canyon Fuel Com CityPlace One Sui
91-466	Surface N50 E860 SW 34 13S 12E SL		P	19010000		0.000	0.000	Canyon Fuel Com CityPlace One Sui
91-496	Surface N700 E530 W4 30 13S 12E SL		P	18900000	I	4.000	0.000	Canyon Fuel Com CityPlace One Sui
91-497	Surface N1040 E740 SW 19 13S 12E SL		P	18900000	IS	4.000	0.000	Canyon Fuel Com CityPlace One Sui
91-510	Surface N900 E200 S4 11 13S 12E SL		P	19020000	S	0.022	0.000	Canyon Fuel Com CityPlace One Sui
91-518	Surface N700 E530 W4 30 13S 12E SL		P	18900000	I	4.000	0.000	Canyon Fuel Com CityPlace One Sui
91-519	Surface N1040 E740 SW 19 13S 12E SL		P	18900000	IS	4.000	0.000	Canyon Fuel Com CityPlace One Sui
91-529	Surface S850 W1380 NE 16 13S 12E SL		P	19020000		0.022	0.000	Canyon Fuel Com CityPlace One Sui
91-725	Surface N1040 E730 SW 19 13S 12E SL		P	19170926	DI	0.000	0.000	Canyon Fuel Com CityPlace One Sui
a23420	Underground S125 E2307 NW 23 13S 12E SL	well info	A	19990615	OX	0.000	245.000	Canyon Fuel Com City Place One Su
t21359	Surface S1250 E400 NW 05 13S 12E SL		A	19970725	O	0.000	1.000	Canyon Fuel Com 6955 Union Park
t22301	Surface S2500 E1230 NW 23 13S 12E SL		A	19980612	O	0.000	19.000	Nielson Construct P.O. Box 620
t22301	Surface		A	19980612	O	0.000	19.000	Nielson Construct

	S2300 E2010 NW 34 13S 12E SL				P.O. Box 620
t22354	Surface	A	19980630 OX	0.250 84.000	Canyon Fuels Cor
	N30 W1140 SE 07 13S 12E SL				6955 Union Park
t22425	Surface	A	19980803 O	0.000 2.000	Canyon Fuel Com
	N2190 W650 SE 04 13S 12E SL				6955 Union Park
t22425	Surface	A	19980803 O	0.000 2.000	Canyon Fuel Com
	N1680 E460 SW 06 13S 12E SL				6955 Union Park
t22425	Surface	A	19980803 O	0.000 2.000	Canyon Fuel Com
	N310 W860 SE 09 13S 12E SL				6955 Union Park
t22425	Surface	A	19980803 O	0.000 2.000	Canyon Fuel Com
	S1100 E1400 NW 15 13S 12E SL				6955 Union Park
t22425	Surface	A	19980803 O	0.000 2.000	Canyon Fuel Com
	S150 E710 W4 23 13S 12E SL				6955 Union Park
t23594	Surface	A	19990726 O	0.000 2.000	Canyon Fuel Com
	N2190 W650 SE 04 13S 12E SL				6955 Union Park
t23594	Surface	A	19990726 O	0.000 2.000	Canyon Fuel Com
	N1680 E460 SW 05 13S 12E SL				6955 Union Park
t23594	Surface	A	19990726 O	0.000 2.000	Canyon Fuel Com
	N2000 W50 SE 09 13S 12E SL				6955 Union Park
t23594	Surface	A	19990726 O	0.000 2.000	Canyon Fuel Com
	N700 W2400 SE 14 13S 12E SL				6955 Union Park
t23594	Surface	A	19990726 O	0.000 2.000	Canyon Fuel Com
	S1100 E1400 NW 15 13S 12E SL				6955 Union Park
t23594	Surface	A	19990726 O	0.000 2.000	Canyon Fuel Com
	S750 W1400 NE 16 13S 12E SL				6955 Union Park
t23594	Surface	A	19990726 O	0.000 2.000	Canyon Fuel Com
	S150 E710 W4 23 13S 12E SL				6955 Union Park
t28162	Surface	A	20030807 O	0.000 2.500	Canyon Fuel Com
	N1600 W1325 SE 13 13S 12E SL				6955 Union Park
t28162	Surface	A	20030807 O	0.000 2.500	Canyon Fuel Com
	N1850 W1120 SE 13 13S 12E SL				6955 Union Park

91-1738	Point to Point 0 0 24 13S 12E SL	P	18690000	0.000 0.000	Thayn, George M
91-1741	Point to Point 0 0 24 13S 12E SL	P	19020000	0.011 0.000	Thayn, George M
91-1742	Point to Point 0 0 24 13S 12E SL	P	18690000	0.000 0.000	Thayn, George M
91-1743	Point to Point 0 0 13 13S 12E SL	P	18690000	0.011 0.000	Thayn, George M
91-1744	Point to Point 0 0 13 13S 12E SL	P	18690000	0.011 0.000	Thayn, George M
91-1745	Point to Point 0 0 13 13S 12E SL	P	18690000 S	0.000 0.000	Thayn, George M
91-1746	Point to Point 0 0 13 13S 12E SL	P	18690000	0.011 0.000	Thayn, George
91-2573	Point to Point 0 0 07 13S 12E SL	P	18690000 S	0.000 0.000	USA Bureau of L (Price Field Office 125 South 600 W
91-2574	Point to Point 0 0 18 13S 12E SL	P	18690000 S	0.000 0.000	USA Bureau of L (Price Field Office 125 South 600 W
91-3752	Point to Point 0 0 27 13S 12E SL	P	18690000 S	0.000 0.000	USA Bureau of L (Price Field Office 125 South 600 W
91-4544	Point to Point 0 0 21 13S 12E SL	P	18690000 OS	0.015 0.000	USA Bureau of L (Price Field Office 125 South 600 W
91-4676	Point to Point 0 0 25 13S 12E SL	P	18690000 OS	0.000 0.000	USA Bureau of L (Price Field Office 125 South 600 W
91-4677	Point to Point 0 0 21 13S 12E SL	P	18690000 OS	0.000 0.000	USA Bureau of L (Price Field Office 125 South 600 W
91-4678	Point to Point 0 0 31 13S 12E SL	P	18690000 OS	0.000 0.000	USA Bureau of L (Price Field Office 125 South 600 W
91-4679	Point to Point 0 0 22 13S 12E SL	P	18690000 OS	0.000 0.000	USA Bureau of L (Price Field Office 125 South 600 W
91-4806	Point to Point 0 0 11 13S 12E SL	P	18690000 S	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-499	Point to Point S400 W900 E4 10 13S 12E SL	P	19020000	0.000 0.000	Canyon Fuel Com CityPlace One Sui

91-501	Point to Point 0 0 10 13S 12E SL	P	18690000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-502	Point to Point 0 0 10 13S 12E SL	P	18690000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-503	Point to Point 0 0 10 13S 12E SL	P	18690000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-504	Point to Point S250 E300 W4 10 13S 12E SL	P	19020000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-505	Point to Point N630 E110 W4 10 13S 12E SL	P	19020000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-506	Point to Point S900 W100 N4 15 13S 12E SL	P	19020000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-507	Point to Point 0 0 15 13S 12E SL	P	19020000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-508	Point to Point 0 0 15 13S 12E SL	P	18690000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-509	Point to Point N200 E200 SW 15 13S 12E SL	P	19020000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-511	Point to Point 0 0 14 13S 12E SL	P	18690000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-512	Point to Point 0 0 12 13S 12E SL	P	18690000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-513	Point to Point 0 0 12 13S 12E SL	P	18690000	0.022 0.000	Canyon Fuel Com CityPlace Once Su
91-514	Point to Point 0 0 12 13S 12E SL	P	18690000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-515	Point to Point 0 0 03 13S 12E SL	P	19020000 S	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-516	Point to Point 0 0 31 13S 12E SL	P	18730000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-524	Point to Point 0 0 04 13S 12E SL	P	18690000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-525	Point to Point 0 0 04 13S 12E SL	P	18690000 S	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-526	Point to Point N2150 W910 S4 04 13S 12E SL	P	18690000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-527	Point to Point N290 W530 E4 16 13S 12E SL	P	19020000	0.022 0.000	Canyon Fuel Com CityPlace One Sui

91-528	Point to Point N660 W2580 E4 16 13S 12E SL	P	19020000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-530	Point to Point N500 W860 E4 09 13S 12E SL	P	19020000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-531	Point to Point S1000 E1250 NW 09 13S 12E SL	P	19020000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-532	Point to Point S1600 E2320 NW 09 13S 12E SL	P	19020000	0.011 0.000	Canyon Fuel Com CityPlace One Sui
91-533	Point to Point S650 W750 NE 17 13S 12E SL	P	19020000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-534	Point to Point S210 W1500 E4 08 13S 12E SL	P	19020000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-535	Point to Point N1800 W540 S4 08 13S 12E SL	P	18690000	0.022 0.000	Canyon Fuel Com CityPlace One Sui
91-536	Point to Point 0 0 30 13S 12E SL	P	18730000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-543	Point to Point 0 0 05 13S 12E SL	P	18690000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-547	Point to Point N780 W440 E4 10 13S 12E SL	P	19020000	0.000 0.000	Canyon Fuel Com CityPlace One Sui
91-549	Point to Point S850 E470 W4 29 13S 12E SL	P	19020000 S	0.000 0.000	Olsen, Hattie 305 South Carbor
91-550	Point to Point 0 0 30 13S 12E SL	P	18730000 S	0.000 0.000	Olsen, Hattie 305 South Carbor
91-552	Point to Point 0 0 18 13S 12E SL	P	18690000	0.000 0.000	Sampinos, Sam 228 North Carbor
91-743	Point to Point S100 W300 E4 09 13S 12E SL	P	19020000	0.000 0.000	Canyon Fuel Com CityPlace One Sui

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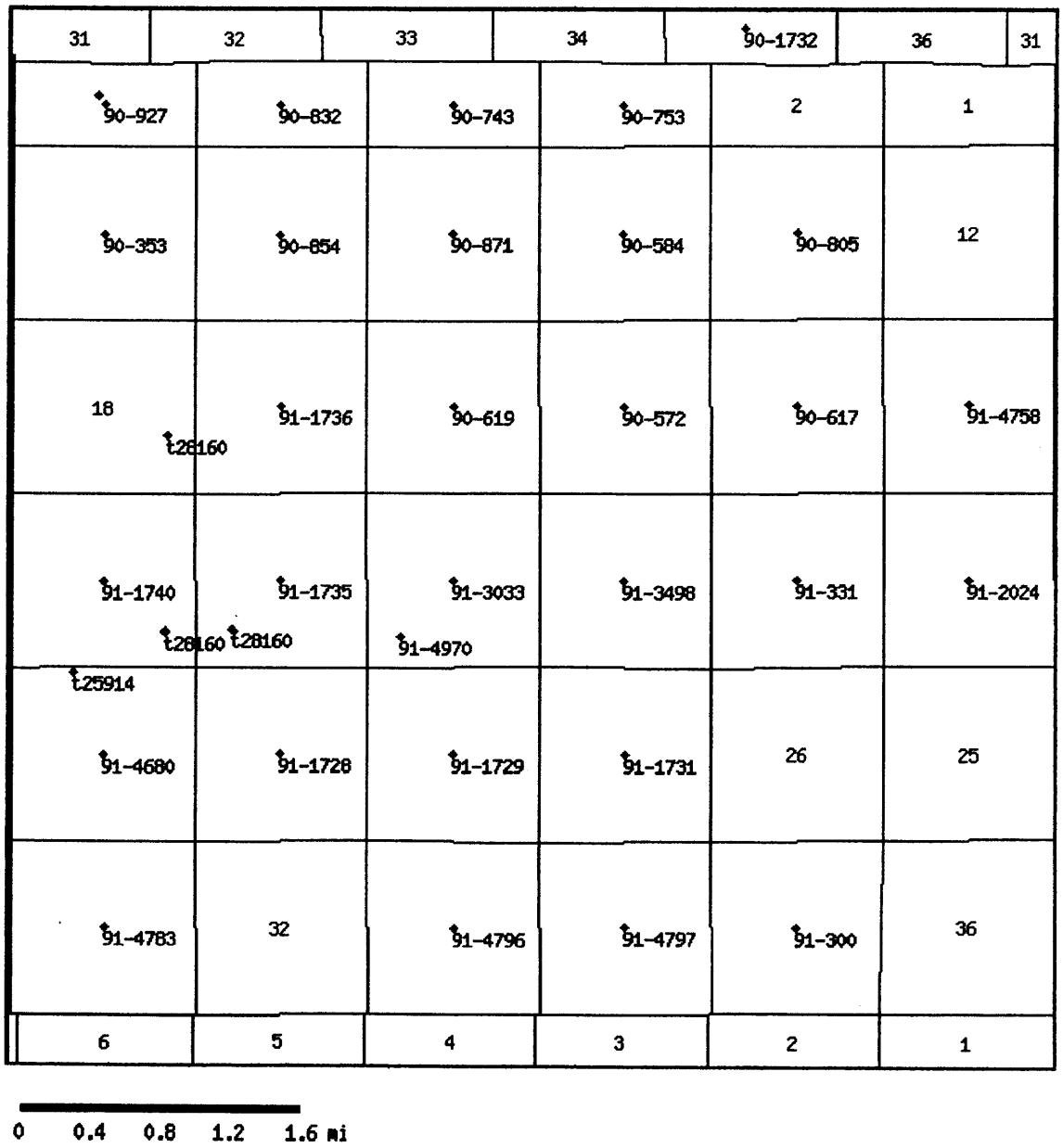
UTAH DIVISION OF WATER RIGHTS

WRPLAT Program Output Listing

Version: 2003.10.25.00 Rundate: 10/30/2003 06:55 AM

Search of Township 13S, Range 13E, SL b&m Criteria:wrtypes=W,C,E podtypes=all status=U,A,P usetypes=all



Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owne
91-495	Surface S1000 W200 N4 06 13S 13E SL		P	18800000	IS	2.500	0.000	Canyon Fuel Comp CityPlace One Suit
91-4970	Surface N950 E1050 SW 21 13S 13E SL		P	18690000	S	0.009	0.000	Thayn, George M. Sunnyside Star Ro
91-607	Surface S1000 W200 N4 06 13S 13E SL		P	18800000	IS	2.500	0.000	Canyon Fuel Comp CityPlace One Suit
t25914	Surface N1150 W950 SE 19 13S 13E SL		A	20010820	O	0.000	2.500	Canyon Fuel Comp P.O. Box 1029
t25914	Surface N1150 E1200 SW 20 13S 13E SL		A	20010820	O	0.000	2.500	Canyon Fuel Comp P.O. Box 1029
t25914	Surface S150 E1850 NW 30 13S 13E SL		A	20010820	O	0.000	2.500	Canyon Fuel Comp P.O. Box 1029
t27967	Surface N1090 W950 SE 19 13S 13E SL		A	20030612	O	0.000	0.100	Canyon Fuel Comp HC 35 Box 380
t28160	Surface N1090 W950 SE 19 13S 13E SL		A	20030806	O	0.000	2.500	Canyon Fuel Comp HC 35 Box 380
t28160	Surface N1735 W850 NE 19 13S 13E SL		A	20030806	O	0.000	2.500	Canyon Fuel Comp HC 35 Box 380
t28160	Surface N1160 E1140 SW 20 13S 13E SL		A	20030806	O	0.000	2.500	Canyon Fuel Comp HC 35 Box 380
90-1011	Point to Point 0 0 07 13S 13E SL		P	18850000	S	0.000	0.000	Thayn, George Mil
90-1012	Point to Point 0 0 17 13S 13E SL		P	18850000	S	0.000	0.000	Thayn, George Mil
90-1013	Point to Point 0 0 21 13S 13E SL		P	18850000	S	0.000	0.000	Thayn, George Mil
90-1068	Point to Point 0 0 04 13S 13E SL		P	18850000		0.011	0.000	USA Bureau of La (Price Field Office) 125 South 600 We
90-1240	Point to Point 0 0 14 13S 13E SL		P	18850000	S	0.011	0.000	USA Bureau of La (Price Field Office) 125 South 600 We
90-1241	Point to Point		P	18850000	S	0.000	0.000	USA Bureau of La

	0 0 11 13S 13E SL				125 South 600 We
90-1247	Point to Point	P	18850000	0.000 0.000	USA Bureau of La (Price Field Office)
	0 0 09 13S 13E SL				125 South 600 We
90-1248	Point to Point	P	18850000	0.011 0.000	USA Bureau of La (Price Field Office)
	0 0 09 13S 13E SL				125 South 600 We
90-348	Point to Point	P	18850000 S	0.000 0.000	Thayn, Albert
	0 0 05 13S 13E SL				Route #1
90-350	Point to Point	P	18850000	0.000 0.000	Thayn, Albert
	0 0 07 13S 13E SL				Route #1
90-351	Point to Point	P	18850000	0.000 0.000	Thayn, Albert
	0 0 07 13S 13E SL				Route #1
90-352	Point to Point	P	18850000	0.011 0.000	Thayn, Albert
	0 0 07 13S 13E SL				Route No 1
90-353	Point to Point	P	18850000	0.011 0.000	Thayn, Albert
	0 0 07 13S 13E SL				Route #1
90-469	Point to Point	P	18850000 S	0.150 0.000	Pagano, Jay
	0 0 11 13S 13E SL				
90-470	Point to Point	P	18850000 S	0.000 0.000	Pagano, Jay
	0 0 11 13S 13E SL				
90-493	Point to Point	P	18850000 S	0.022 0.000	Conover, J. M.
	0 0 04 13S 13E SL				
90-494	Point to Point	P	18850000	0.022 0.000	Conover, Ione S.
	0 0 04 13S 13E SL				
90-495	Point to Point	P	18850000	0.022 0.000	Conover, Clyde
	0 0 04 13S 13E SL				
90-496	Point to Point	P	18850000	0.022 0.000	Conover, Harry
	0 0 04 13S 13E SL				
90-497	Point to Point	P	18850000	0.022 0.000	Conover, Elden
	0 0 04 13S 13E SL				
90-498	Point to Point	P	18850000	0.022 0.000	Conover, Elaine
	0 0 04 13S 13E SL				
90-499	Point to Point	P	18850000	0.022 0.000	Snow, Emily Cono
	0 0 04 13S 13E SL				
90-500	Point to Point	P	18850000	0.022 0.000	Conover, Reed
	0 0 04 13S 13E SL				
90-501	Point to Point	P	18850000	0.022 0.000	Conover, Wallace
	0 0 04 13S 13E SL				

	0 0 04 13S 13E SL				
90-502	Point to Point 0 0 04 13S 13E SL	P	18850000	0.022 0.000	Conover, J. Georg
90-517	Point to Point 0 0 10 13S 13E SL	P	18850000	0.033 0.000	Conover, J. M.
90-518	Point to Point 0 0 10 13S 13E SL	P	18850000	0.033 0.000	Conover, Ione S.
90-519	Point to Point 0 0 10 13S 13E SL	P	18850000	0.033 0.000	Conover, Clyde
90-520	Point to Point 0 0 10 13S 13E SL	P	18850000	0.033 0.000	Conover, Harry
90-521	Point to Point 0 0 10 13S 13E SL	P	18850000	0.033 0.000	Conover, Elden
90-522	Point to Point 0 0 10 13S 13E SL	P	18850000	0.033 0.000	Conover, Elaine C.
90-523	Point to Point 0 0 10 13S 13E SL	P	18850000	0.033 0.000	Snow, Emily C.
90-524	Point to Point 0 0 10 13S 13E SL	P	18850000	0.033 0.000	Conover, Reed
90-525	Point to Point 0 0 10 13S 13E SL	P	18850000	0.033 0.000	Conover, Wallace
90-526	Point to Point 0 0 10 13S 13E SL	P	18850000	0.033 0.000	Conover, J. Georg
90-528	Point to Point 0 0 10 13S 13E SL	P	18850000	0.022 0.000	Conover, J. M.
90-529	Point to Point 0 0 10 13S 13E SL	P	18850000	0.022 0.000	Conover, Ione S.
90-530	Point to Point 0 0 10 13S 13E SL	P	18850000	0.022 0.000	Conover, Clyde
90-531	Point to Point 0 0 10 13S 13E SL	P	18850000	0.022 0.000	Conover, Harry
90-532	Point to Point 0 0 10 13S 13E SL	P	18850000	0.022 0.000	Conover, Elden
90-533	Point to Point 0 0 10 13S 13E SL	P	18850000	0.022 0.000	Conover, Elaine C.
90-534	Point to Point 0 0 10 13S 13E SL	P	18850000	0.022 0.000	Snow, Emily C.
90-535	Point to Point 0 0 10 13S 13E SL	P	18850000	0.022 0.000	Conover, Reed

90-536	Point to Point 0 0 10 13S 13E SL	P	18850000	0.022 0.000	Conover, Wallace
90-537	Point to Point 0 0 10 13S 13E SL	P	18850000	0.022 0.000	Conover, J. Georg
90-538	Point to Point 0 0 15 13S 13E SL	P	18850000	0.022 0.000	Conover, J. M.
90-539	Point to Point 0 0 15 13S 13E SL	P	18850000	0.022 0.000	Conover, Ione S.
90-540	Point to Point 0 0 15 13S 13E SL	P	18850000	0.022 0.000	Conover, Clyde
90-541	Point to Point 0 0 15 13S 13E SL	P	18850000	0.022 0.000	Conover, Harry
90-542	Point to Point 0 0 15 13S 13E SL	P	18850000	0.022 0.000	Conover, Elden
90-543	Point to Point 0 0 15 13S 13E SL	P	18850000	0.022 0.000	Conover, Elaine
90-544	Point to Point 0 0 15 13S 13E SL	P	18850000	0.022 0.000	Snow, Emily C.
90-545	Point to Point 0 0 15 13S 13E SL	P	18850000	0.022 0.000	Conover, Reed
90-546	Point to Point 0 0 15 13S 13E SL	P	18850000	0.022 0.000	Conover, Wallace
90-547	Point to Point 0 0 15 13S 13E SL	P	18850000	0.022 0.000	Conover, J. Georg
90-548	Point to Point 0 0 22 13S 13E SL	P	18850000	0.250 0.000	Conover, J. M. and
90-549	Point to Point 0 0 22 13S 13E SL	P	18850000	0.250 0.000	Conover, J. Georg
90-550	Point to Point 0 0 22 13S 13E SL	P	18850000	0.250 0.000	Conover, Wallace
90-551	Point to Point 0 0 22 13S 13E SL	P	18850000	0.250 0.000	Conover, Elaine C.
90-552	Point to Point 0 0 22 13S 13E SL	P	18850000	0.250 0.000	Conover, Harry
90-553	Point to Point 0 0 22 13S 13E SL	P	18850000	0.250 0.000	Conover, Clyde
90-554	Point to Point 0 0 22 13S 13E SL	P	18850000	0.250 0.000	Snow, Emily Cono
90-555	Point to Point	P	18850000	0.044 0.000	Conover, J. M. and

90-555	Point to Point 0 0 22 13S 13E SL	P	18850000	0.044 0.000	Conover, J. M. and
90-556	Point to Point 0 0 22 13S 13E SL	P	18850000	0.044 0.000	Conover, J. Georg
90-557	Point to Point 0 0 22 13S 13E SL	P	18850000	0.044 0.000	Conover, Wallace
90-558	Point to Point 0 0 22 13S 13E SL	P	18850000	0.044 0.000	Conover, Elaine
90-559	Point to Point 0 0 22 13S 13E SL	P	18850000	0.044 0.000	Conover, Harry
90-560	Point to Point 0 0 22 13S 13E SL	P	18850000	0.044 0.000	Conover, Clyde
90-561	Point to Point 0 0 22 13S 13E SL	P	18850000	0.044 0.000	Snow, Emily Cono
90-562	Point to Point 0 0 22 13S 13E SL	P	18850000	0.044 0.000	Conover, Reed
90-563	Point to Point 0 0 15 13S 13E SL	P	18850000	0.066 0.000	Conover, J. M.
90-564	Point to Point 0 0 15 13S 13E SL	P	18850000	0.066 0.000	Conover, Ione
90-565	Point to Point 0 0 15 13S 13E SL	P	18850000	0.066 0.000	Conover, Clyde
90-566	Point to Point 0 0 15 13S 13E SL	P	18850000	0.066 0.000	Conover, Harry
90-567	Point to Point 0 0 15 13S 13E SL	P	18850000	0.066 0.000	Conover, Elden
90-568	Point to Point 0 0 15 13S 13E SL	P	18850000	0.066 0.000	Conover, Elaine
90-569	Point to Point 0 0 15 13S 13E SL	P	18850000	0.066 0.000	Snow, Emily C.
90-570	Point to Point 0 0 15 13S 13E SL	P	18850000	0.066 0.000	Conover, Reed
90-571	Point to Point 0 0 15 13S 13E SL	P	18850000	0.066 0.000	Conover, Wallace
90-572	Point to Point 0 0 15 13S 13E SL	P	18850000	0.066 0.000	Conover, George J
90-573	Point to Point 0 0 22 13S 13E SL	P	18850000	0.250 0.000	Conover, Reed
90-574	Point to Point	P	18850000	0.000 0.000	Conover, J. M.

	0 0 08 13S 13E SL				
90-575	Point to Point	P	18850000	0.022 0.000	Conover, J. M.
	0 0 10 13S 13E SL				
90-576	Point to Point	P	18850000	0.022 0.000	Conover, Ione S.
	0 0 10 13S 13E SL				
90-577	Point to Point	P	18850000	0.022 0.000	Conover, Clyde
	0 0 10 13S 13E SL				
90-578	Point to Point	P	18850000	0.022 0.000	Conover, Harry
	0 0 10 13S 13E SL				
90-579	Point to Point	P	18850000	0.022 0.000	Conover, Elden
	0 0 10 13S 13E SL				
90-580	Point to Point	P	18850000	0.022 0.000	Conover, Elaine
	0 0 10 13S 13E SL				
90-581	Point to Point	P	18850000	0.022 0.000	Snow, Emily C.
	0 0 10 13S 13E SL				
90-582	Point to Point	P	18850000	0.022 0.000	Conover, Reed
	0 0 10 13S 13E SL				
90-583	Point to Point	P	18850000	0.022 0.000	Conover, Wallace
	0 0 10 13S 13E SL				
90-584	Point to Point	P	18850000	0.022 0.000	Conover, J. Georg
	0 0 10 13S 13E SL				
90-586	Point to Point	P	18850000	0.000 0.000	Conover, J. M. anc
	0 0 08 13S 13E SL				
90-587	Point to Point	P	18850000	0.000 0.000	Conover, J. Georg
	0 0 08 13S 13E SL				
90-588	Point to Point	P	18850000	0.000 0.000	Conover, Wallace
	0 0 08 13S 13E SL				
90-589	Point to Point	P	18850000	0.000 0.000	Conover, Harry L.
	0 0 08 13S 13E SL				
90-590	Point to Point	P	18850000	0.000 0.000	Conover, Clyde
	0 0 08 13S 13E SL				
90-591	Point to Point	P	18850000	0.000 0.000	Conover, Reed
	0 0 08 13S 13E SL				
90-592	Point to Point	P	18850000	0.000 0.000	Conover, Elaine
	0 0 08 13S 13E SL				
90-593	Point to Point	P	18850000	0.000 0.000	Snow, Emily Cono
	0 0 08 13S 13E SL				
90-594	Point to Point	P	18850000	0.022 0.000	Conover, J. M.
	0 0 04 13S 13E SL				

	0 0 04 13S 13E SL				
90-595	Point to Point	P	18850000	0.022 0.000	Conover, Ione
	0 0 04 13S 13E SL				
90-596	Point to Point	P	18850000	0.022 0.000	Conover, Clyde
	0 0 04 13S 13E SL				
90-597	Point to Point	P	18850000	0.022 0.000	Conover, Harry
	0 0 04 13S 13E SL				
90-598	Point to Point	P	18850000	0.022 0.000	Conover, Elden
	0 0 04 13S 13E SL				
90-599	Point to Point	P	18850000	0.022 0.000	Conover, Reed
	0 0 04 13S 13E SL				
90-615	Point to Point	P	18850000	0.011 0.000	Thayn, Albert
	0 0 06 13S 13E SL				Route 1
90-616	Point to Point	P	18850000	0.011 0.000	Thayn, Albert
	0 0 06 13S 13E SL				Route #1
90-617	Point to Point	P	18850000 S	0.011 0.000	USA Bureau of La (Price Field Office)
	0 0 14 13S 13E SL				125 South 600 We
90-618	Point to Point	P	18850000 S	0.000 0.000	Utah School and Ir Lands Admin.
	0 0 16 13S 13E SL				675 East 500 Sout
90-619	Point to Point	P	18850000 S	0.000 0.000	Utah School and Ir Lands Admin.
	0 0 16 13S 13E SL				675 East 500 Sout
90-712	Point to Point	P	18850000	0.022 0.000	Conover, Wallace
	0 0 04 13S 13E SL				
90-713	Point to Point	P	18850000	0.022 0.000	Conover, J. Georg
	0 0 04 13S 13E SL				
90-714	Point to Point	P	18850000	0.022 0.000	Conover, Elaine
	0 0 04 13S 13E SL				
90-715	Point to Point	P	18850000	0.022 0.000	Snow, Emily Cono
	0 0 04 13S 13E SL				
90-716	Point to Point	P	18850000	0.000 0.000	Conover, J. M.
	0 0 04 13S 13E SL				
90-717	Point to Point	P	18850000	0.000 0.000	Conover, Ione
	0 0 04 13S 13E SL				
90-718	Point to Point	P	18850000	0.000 0.000	Conover, Clyde
	0 0 04 13S 13E SL				
90-719	Point to Point	P	18850000	0.000 0.000	Conover, Harry L.
	0 0 04 13S 13E SL				
90-720	Point to Point	P	18850000	0.000 0.000	Conover, Elden
	0 0 04 13S 13E SL				
90-721	Point to Point	P	18850000	0.000 0.000	Conover, Reed
	0 0 04 13S 13E SL				
90-722	Point to Point	P	18850000	0.000 0.000	Conover, Wallace

	0 0 04 13S 13E SL				
90-723	Point to Point	P	18850000	0.000 0.000	Conover, J. Georg
	0 0 04 13S 13E SL				
90-724	Point to Point	P	18850000	0.000 0.000	Conover, Elaine
	0 0 04 13S 13E SL				
90-725	Point to Point	P	18850000	0.000 0.000	Snow, Emily Cono
	0 0 04 13S 13E SL				
90-726	Point to Point	P	18850000	0.000 0.000	Conover, J. M.
	0 0 04 13S 13E SL				
90-728	Point to Point	P	18850000	0.000 0.000	Conover, Clyde
	0 0 04 13S 13E SL				
90-729	Point to Point	P	18850000	0.000 0.000	Conover, Harry
	0 0 04 13S 13E SL				
90-730	Point to Point	P	18850000	0.000 0.000	Conover, Elden
	0 0 04 13S 13E SL				
90-731	Point to Point	P	18850000	0.000 0.000	Conover, Reed
	0 0 04 13S 13E SL				
90-732	Point to Point	P	18850000	0.000 0.000	Conover, Wallace
	0 0 04 13S 13E SL				
90-733	Point to Point	P	18850000	0.000 0.000	Conover, J. Georg
	0 0 04 13S 13E SL				
90-734	Point to Point	P	18850000	0.000 0.000	Conover, Elaine
	0 0 04 13S 13E SL				
90-735	Point to Point	P	18850000	0.000 0.000	Snow, Emily Cono
	0 0 04 13S 13E SL				
90-736	Point to Point	P	18850000	0.000 0.000	Conover, J. Georg
	0 0 04 13S 13E SL				
90-737	Point to Point	P	18850000	0.000 0.000	Conover, J. M.
	0 0 04 13S 13E SL				
90-738	Point to Point	P	18850000	0.000 0.000	Conover, Clyde
	0 0 04 13S 13E SL				
90-739	Point to Point	P	18850000	0.000 0.000	Conover, Harry
	0 0 04 13S 13E SL				
90-740	Point to Point	P	18850000	0.000 0.000	Conover, Reed
	0 0 04 13S 13E SL				
90-741	Point to Point	P	18850000	0.000 0.000	Conover, Wallace
	0 0 04 13S 13E SL				
90-742	Point to Point	P	18850000	0.000 0.000	Conover, Elaine
	0 0 04 13S 13E SL				

	0 0 04 13S 13E SL				
90-743	Point to Point 0 0 04 13S 13E SL	P	18850000	0.000 0.000	Snow, Emily
90-744	Point to Point 0 0 03 13S 13E SL	P	18850000	0.000 0.000	Conover, J. M.
90-745	Point to Point 0 0 03 13S 13E SL	P	18850000	0.000 0.000	Conover, Ione S.
90-746	Point to Point 0 0 03 13S 13E SL	P	18850000	0.000 0.000	Conover, Clyde
90-747	Point to Point 0 0 03 13S 13E SL	P	18850000	0.000 0.000	Conover, Harry L.
90-748	Point to Point 0 0 03 13S 13E SL	P	18850000	0.000 0.000	Conover, Elden
90-749	Point to Point 0 0 03 13S 13E SL	P	18850000	0.000 0.000	Conover, Elaine
90-750	Point to Point 0 0 03 13S 13E SL	P	18850000	0.000 0.000	Snow, Emily C.
90-751	Point to Point 0 0 03 13S 13E SL	P	18850000	0.000 0.000	Conover, Reed
90-752	Point to Point 0 0 03 13S 13E SL	P	18850000	0.000 0.000	Conover, Wallace
90-753	Point to Point 0 0 03 13S 13E SL	P	18850000	0.000 0.000	Conover, J. Georg
90-754	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, J. M. anc
90-755	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, J. Georg
90-756	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, Wallace
90-757	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, Harry
90-758	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Snow, Emily C.
90-759	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, Clyde
90-760	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, Reed
90-761	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, Elaine

90-762	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, J. M. anc
90-763	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, J. Georg
90-764	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, Wallace
90-765	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, Harry
90-766	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Snow, Emily C.
90-767	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, Clyde
90-768	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, Reed
90-769	Point to Point 0 0 17 13S 13E SL	P	18850000	0.044 0.000	Conover, Elaine
90-790	Point to Point 0 0 17 13S 13E SL	P	18850000	0.250 0.000	Conover, J. M. anc
90-791	Point to Point 0 0 17 13S 13E SL	P	18850000	0.250 0.000	Conover, J. Georg
90-792	Point to Point 0 0 17 13S 13E SL	P	18850000	0.250 0.000	Conover, Wallace
90-793	Point to Point 0 0 17 13S 13E SL	P	18850000	0.250 0.000	Conover, Harry
90-794	Point to Point 0 0 17 13S 13E SL	P	18850000	0.250 0.000	Snow, Emily C.
90-795	Point to Point 0 0 17 13S 13E SL	P	18850000	0.250 0.000	Conover, Reed
90-796	Point to Point 0 0 17 13S 13E SL	P	18850000	0.250 0.000	Conover, Elaine
90-797	Point to Point 0 0 17 13S 13E SL	P	18850000	0.250 0.000	Conover, Clyde
90-798	Point to Point 0 0 11 13S 13E SL	P	18850000	0.088 0.000	Martinez, Paul B. 205 300 North
90-799	Point to Point 0 0 11 13S 13E SL	P	18850000	0.088 0.000	Martinez, Paul B. 205 300 North
90-800	Point to Point 0 0 11 13S 13E SL	P	18850000	0.088 0.000	Martinez, Paul B. 205 300 North
90-801	Point to Point	P	18850000	0.088 0.000	Martinez, Mary Ar

90-801	Point to Point	P	18850000	0.088 0.000	Martinez, Marc Ar
	0 0 11 13S 13E SL				162 W. Geneva Dr
90-802	Point to Point	P	18850000	0.088 0.000	Martinez, Marc A.
	0 0 11 13S 13E SL				162 West Geneva I
90-803	Point to Point	P	18850000	0.088 0.000	Martinez, Marc Ar
	0 0 11 13S 13E SL				162 W. Geneva Dr
90-804	Point to Point	P	18850000	0.088 0.000	Martinez, Marc A.
	0 0 11 13S 13E SL				162 W. Geneva Dr
90-805	Point to Point	P	18850000	0.088 0.000	Martinez, Joe D.
	0 0 11 13S 13E SL				P. O. Box 103
90-806	Point to Point	P	18850000	0.000 0.000	Conover, J. M. anc
	0 0 17 13S 13E SL				
90-807	Point to Point	P	18850000	0.000 0.000	Conover, J. Georg
	0 0 17 13S 13E SL				
90-808	Point to Point	P	18850000	0.000 0.000	Conover, Wallace
	0 0 17 13S 13E SL				
90-809	Point to Point	P	18850000	0.000 0.000	Conover, Harry
	0 0 17 13S 13E SL				
90-810	Point to Point	P	18850000	0.000 0.000	Snow, Emily C.
	0 0 17 13S 13E SL				
90-811	Point to Point	P	18850000	0.000 0.000	Conover, Clyde
	0 0 17 13S 13E SL				
90-812	Point to Point	P	18850000	0.000 0.000	Conover, Reed
	0 0 17 13S 13E SL				
90-813	Point to Point	P	18850000	0.000 0.000	Conover, Elaine
	0 0 17 13S 13E SL				
90-814	Point to Point	P	18850000	0.000 0.000	Conover, J. Georg
	0 0 05 13S 13E SL				
90-815	Point to Point	P	18850000	0.000 0.000	Conover, J. M.
	0 0 05 13S 13E SL				
90-816	Point to Point	P	18850000	0.000 0.000	Conover, Harry
	0 0 05 13S 13E SL				
90-817	Point to Point	P	18850000	0.000 0.000	Conover, Reed
	0 0 05 13S 13E SL				
90-818	Point to Point	P	18850000	0.000 0.000	Conover, Elaine
	0 0 05 13S 13E SL				
90-819	Point to Point	P	18850000	0.000 0.000	Conover, Wallace
	0 0 05 13S 13E SL				
90-821	Point to Point	P	18850000	0.000 0.000	Snow, Emily Cono

	0 0 05 13S 13E SL				
90-822	Point to Point	P	18850000	0.000 0.000	Conover, Clyde
	0 0 05 13S 13E SL				
90-823	Point to Point	P	18850000	0.000 0.000	Conover, J. M.
	0 0 05 13S 13E SL				
90-824	Point to Point	P	18850000	0.000 0.000	Conover, Ione
	0 0 05 13S 13E SL				
90-825	Point to Point	P	18850000	0.000 0.000	Conover, Clyde
	0 0 05 13S 13E SL				
90-826	Point to Point	P	18850000	0.000 0.000	Conover, Harry
	0 0 05 13S 13E SL				
90-827	Point to Point	P	18850000	0.000 0.000	Conover, Elden
	0 0 05 13S 13E SL				
90-828	Point to Point	P	18850000	0.000 0.000	Conover, Elaine
	0 0 05 13S 13E SL				
90-829	Point to Point	P	18850000	0.000 0.000	Conover, Reed
	0 0 05 13S 13E SL				
90-830	Point to Point	P	18850000	0.000 0.000	Snow, Emily C.
	0 0 05 13S 13E SL				
90-831	Point to Point	P	18850000	0.000 0.000	Conover, Wallace
	0 0 05 13S 13E SL				
90-832	Point to Point	P	18850000	0.000 0.000	Conover, J. Georg
	0 0 05 13S 13E SL				
90-840	Point to Point	P	18850000	0.000 0.000	Conover, J. Georg
	0 0 08 13S 13E SL				
90-841	Point to Point	P	18850000	0.000 0.000	Conover, Wallace
	0 0 08 13S 13E SL				
90-842	Point to Point	P	18850000	0.000 0.000	Conover, Harry
	0 0 08 13S 13E SL				
90-843	Point to Point	P	18850000	0.000 0.000	Conover, Clyde
	0 0 08 13S 13E SL				
90-844	Point to Point	P	18850000	0.000 0.000	Conover, Reed
	0 0 08 13S 13E SL				
90-845	Point to Point	P	18850000	0.000 0.000	Conover, Elaine
	0 0 08 13S 13E SL				
90-846	Point to Point	P	18850000	0.000 0.000	Snow, Emily Cono
	0 0 08 13S 13E SL				
90-847	Point to Point	P	18850000	0.000 0.000	Conover, J. M. anc
	0 0 08 13S 13E SL				

	0 0 08 13S 13E SL				
90-848	Point to Point 0 0 08 13S 13E SL	P	18850000	0.000 0.000	Conover, J. Georg
90-849	Point to Point 0 0 08 13S 13E SL	P	18850000	0.000 0.000	Conover, Wallace
90-850	Point to Point 0 0 08 13S 13E SL	P	18850000	0.000 0.000	Snow, Emily C.
90-851	Point to Point 0 0 08 13S 13E SL	P	18850000	0.000 0.000	Conover, Harry
90-852	Point to Point 0 0 08 13S 13E SL	P	18850000	0.000 0.000	Conover, Clyde
90-853	Point to Point 0 0 08 13S 13E SL	P	18850000	0.000 0.000	Conover, Elaine
90-854	Point to Point 0 0 08 13S 13E SL	P	18850000	0.000 0.000	Conover, Reed
90-856	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, J. M.
90-857	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, J. Georg
90-858	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, Elaine
90-859	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, Clyde
90-860	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, Harry
90-861	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, Reed
90-862	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Snow, Emily C.
90-863	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, Wallace
90-864	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Snow, Emily C.
90-865	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, Wallace
90-866	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, Reed
90-867	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, Harry

90-868	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, Clyde
90-869	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, Elaine
90-870	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, J. M.
90-871	Point to Point 0 0 09 13S 13E SL	P	18850000	0.022 0.000	Conover, J. Georg
90-927	Point to Point 0 0 06 13S 13E SL	P	18850000	0.022 0.000	Iriart, Bernard 403 East 1st North
91-1661	Point to Point 0 0 23 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1662	Point to Point 0 0 27 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1664	Point to Point 0 0 27 13S 13E SL	P	18700000 S	0.011 0.000	Day, W. Lavon &
91-1665	Point to Point 0 0 35 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1666	Point to Point 0 0 22 13S 13E SL	P	18690000 S	0.000 0.000	Day, W. Lavon &
91-1667	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1668	Point to Point 0 0 23 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1669	Point to Point 0 0 27 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1671	Point to Point 0 0 27 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1672	Point to Point 0 0 35 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1673	Point to Point 0 0 22 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1674	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-168	Point to Point 0 0 22 13S 13E SL	P	19480907	0.001 0.000	Thayn, George M.
91-1682	Point to Point 0 0 23 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1683	Point to Point	P	18690000	0.011 0.000	Day, W. Lavon &

91-1683	Point to Point 0 0 27 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1685	Point to Point 0 0 27 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1686	Point to Point 0 0 35 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1687	Point to Point 0 0 22 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1688	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1689	Point to Point 0 0 23 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1690	Point to Point 0 0 27 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1692	Point to Point 0 0 27 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1693	Point to Point 0 0 35 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1694	Point to Point 0 0 22 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1695	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1703	Point to Point 0 0 23 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1704	Point to Point 0 0 27 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1706	Point to Point 0 0 27 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1707	Point to Point 0 0 35 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1708	Point to Point 0 0 22 13S 13E SL	P	18690000	0.000 0.000	Day, W. Lavon &
91-1709	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-1717	Point to Point 0 0 34 13S 13E SL	P	18690000	0.000 0.000	Wells, Glen P. O. Box 52
91-1719	Point to Point 0 0 33 13S 13E SL	P	18690000	0.011 0.000	Wells, Glen P. O. Box 52
91-1720	Point to Point	P	18690000 S	0.000 0.000	Wells, Glen

	0 0 33 13S 13E SL				P. O. Box 52
91-1721	Point to Point	P	18690000	0.000 0.000	Wells, Glen
	0 0 33 13S 13E SL				P. O. Box 52
91-1722	Point to Point	P	18690000	0.000 0.000	Stevenson, Ralph
	0 0 34 13S 13E SL				P. O. Box 52
91-1724	Point to Point	P	18690000	0.011 0.000	Stevenson, Ralph
	0 0 33 13S 13E SL				P. O. Box 52
91-1725	Point to Point	P	18690000	0.000 0.000	Wells, Glen
	0 0 33 13S 13E SL				P. O. Box 52
91-1726	Point to Point	P	18690000	0.000 0.000	Stevenson, Ralph
	0 0 33 13S 13E SL				P. O. Box 52
91-1728	Point to Point	P	18690000	0.011 0.000	Thayn, George M.
	0 0 29 13S 13E SL				
91-1729	Point to Point	P	18690000	0.011 0.000	Thayn, George M.
	0 0 28 13S 13E SL				
91-1730	Point to Point	P	18690000	0.011 0.000	Thayn, George M.
	0 0 27 13S 13E SL				
91-1731	Point to Point	P	18690000	0.000 0.000	Thayn, George M.
	0 0 27 13S 13E SL				
91-1732	Point to Point	P	18690000	0.011 0.000	Thayn, George
	0 0 21 13S 13E SL				
91-1733	Point to Point	P	18690000	0.011 0.000	Thayn, George M.
	0 0 20 13S 13E SL				
91-1734	Point to Point	P	18690000	0.011 0.000	Thayn, George M.
	0 0 20 13S 13E SL				
91-1735	Point to Point	P	18690000	0.000 0.000	Thayn, George
	0 0 20 13S 13E SL				
91-1736	Point to Point	P	18690000	0.000 0.000	Thayn, George M.
	0 0 17 13S 13E SL				
91-1737	Point to Point	P	18690000	0.000 0.000	Thayn, George M.
	0 0 30 13S 13E SL				
91-1739	Point to Point	P	18690000	0.011 0.000	Thayn, George M.
	0 0 19 13S 13E SL				
91-1740	Point to Point	P	18690000	0.011 0.000	Thayn, George M.
	0 0 19 13S 13E SL				
91-1747	Point to Point	P	18690000	0.011 0.000	Thayn, George M.
	0 0 22 13S 13E SL				
91-1993	Point to Point	P	18690000	0.011 0.000	Liddell, Frank
	0 0 24 13S 13E SL				Post Office Box 1C
91-2012	Point to Point	P	18690000 S	0.000 0.000	Liddell, Frank
	0 0 23 13S 13E SL				Post Office Box 1C
91-2013	Point to Point	P	18690000	0.000 0.000	Liddell, Frank
	N2120 W340 S4 23 13S 13E SL				Post Office Box 1C

91-2023	Point to Point 0 0 34 13S 13E SL	P	18690000	0.000	0.000	Pagano, Jay
91-2024	Point to Point 0 0 24 13S 13E SL	P	18690000 S	0.000	0.000	Pagano, Jay
91-2033	Point to Point 0 0 35 13S 13E SL	P	18690000	0.000	0.000	Pagano, Jay
91-2034	Point to Point 0 0 35 13S 13E SL	P	18690000	0.011	0.000	Pagano, Jay
91-2035	Point to Point 0 0 35 13S 13E SL	P	18690000	0.011	0.000	Pagano, Jay
91-2036	Point to Point 0 0 35 13S 13E SL	P	18690000	0.011	0.000	Pagano, Jay
91-2037	Point to Point 0 0 35 13S 13E SL	P	18690000	0.000	0.000	Pagano, Jay
91-2175	Point to Point 0 0 22 13S 13E SL	P	18690000	0.000	0.000	Thayn, George M.
91-300	Point to Point 0 0 35 13S 13E SL	P	18690000	0.000	0.000	Pagano, Jay
91-3033	Point to Point 0 0 21 13S 13E SL	P	18690000	0.011	0.000	Thayn, George M.
91-331	Point to Point 0 0 23 13S 13E SL	P	19060000 DX	0.033	1.820	Utah Oil & Wax C PO Box 13
91-3474	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011	0.000	Day, W. Lavon &
91-3475	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011	0.000	Day, W. Lavon &
91-3476	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011	0.000	Day, W. Lavon &
91-3477	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011	0.000	Day, W. Lavon &
91-3478	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011	0.000	Day, W. Lavon &
91-3479	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011	0.000	Day, W. Lavon &
91-3480	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011	0.000	Day, W. Lavon &
91-3481	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011	0.000	Day, W. Lavon &
91-3482	Point to Point	P	18690000	0.011	0.000	Day, W. Lavon &

91-3482	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3483	Point to Point 0 0 34 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3484	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3485	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3486	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3487	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3488	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3489	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3490	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3491	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3492	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3493	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3494	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3495	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3496	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3497	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-3498	Point to Point 0 0 22 13S 13E SL	P	18690000	0.011 0.000	Day, W. Lavon &
91-4680	Point to Point 0 0 30 13S 13E SL	P	18690000 OS	0.000 0.000	USA Bureau of La (Price Field Office) 125 South 600 We
91-4758	Point to Point 0 0 13 13S 13E SL	P	18690000 OS	0.000 0.000	USA Bureau of La (Price Field Office) 125 South 600 We
91-4775	Point to Point 0 0 33 13S 13E SL	P	18690000 OS	0.000 0.000	USA Bureau of La (Price Field Office) 125 South 600 We
91-4783	Point to Point	P	18690000 OS	0.000 0.000	USA Bureau of La (Price Field Office)

	0 0 31 13S 13E SL				125 South 600 We
91-4795	Point to Point	P	18690000 S	0.000 0.000	Stevenson, Ralph
	0 0 33 13S 13E SL				P.O. Box 52
91-4796	Point to Point	P	18690000 S	0.000 0.000	Stevenson, Ralph
	0 0 33 13S 13E SL				P.O. Box 52
91-4797	Point to Point	P	18690000 S	0.000 0.000	Stevenson, Ralph
	0 0 34 13S 13E SL				P.O. Box 52