Special Status Plant Survey Report For Overland Pass/Big Wash Restoration Project

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August 15, 2012

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Introduction

In partnership with the Ely District Bureau of Land Management (BLM), Humboldt-Toiyabe National Forest (USFS) and Nevada Department of Wildlife (NDOW), the Eastern Nevada Landscape Coalition conducted special status plant surveys of the Overland Pass/Big Wash Habitat Improvement Project. The Overland Pass/Big Wash Habitat Improvement Project area is located approximately 80 miles northwest of Ely, Nevada, in the vicinity of the southern Ruby Mountains' Overland Pass.

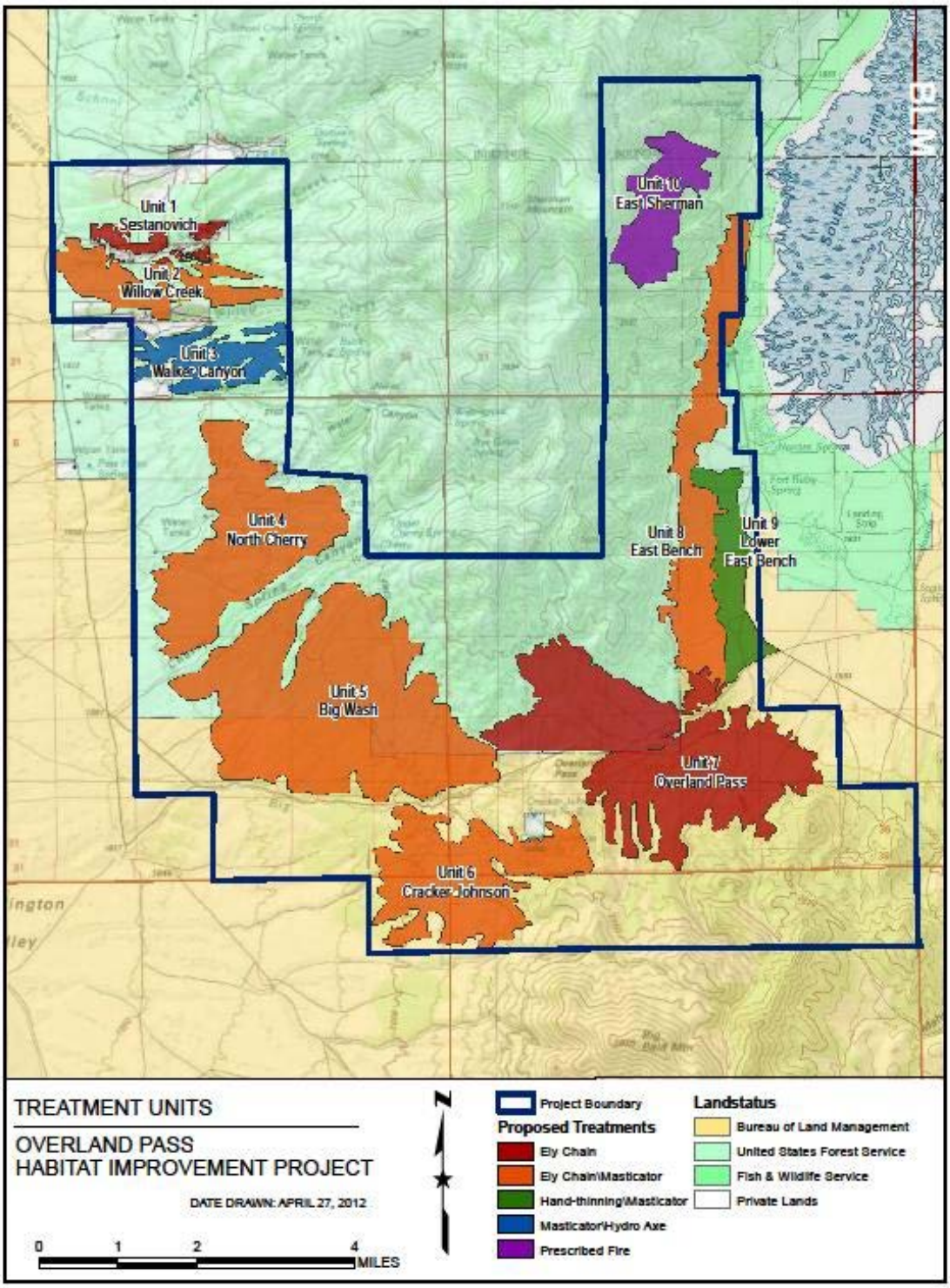
The National Environmental Policy Act (NEPA) requires the BLM and USFS to analyze potential effects to rare plants and other resources when evaluating activities on FS/BLM managed lands. Additionally, both agencies require biological evaluations to assess effects to Federally listed or proposed species and special status (sensitive) plants. This report, and the fieldwork it represents, in part, support the requirements outlined in NEPA.

The project area consists of approximately 40,000 acres, of which, 17,000 acres will be treated (Figure 1). Elevations within the treatment areas range from approximately 6000 to 8800 feet, although the East Sherman Treatment, the only prescribed fire treatment, is significantly higher than the other nine areas. The highest elevation of the remaining nine areas is approximately 7300 feet.

Sagebrush shrublands with pinyon-juniper encroachment and pinyon-juniper woodlands typify the lower elevation treatment areas. Some of the broader drainages are dominated by basin wildrye (*Leymus cinereus*). The East Sherman Treatment attains higher elevations (8800ft). In addition to pinyon-juniper woodlands, it has curl-leaf mountain mahogany (*Cercocarpus ledifolius*) dominated stands, mountain sage-mixed forb codominated slopes and a couple of avalanche chutes dominated by black chokecherry (*Prunus virginiana* var. *melanocarpa*).

A target species list (See Appendix A) was approved on June 4, 2012 based on each taxon's potential to occur in the area. The list consists of 9 taxa: 5 USFS Region 4 special status species and 4 NV BLM special status species. Two taxa, *Siline nachlingerae* and *Botrychium crenulatum*, are listed by both agencies. Surveys were performed between June 25 and July 7, 2012, to maximize the window of phenologic opportunity for flower/fruit production. Unfortunately, due to near drought conditions, most annuals were already desiccated, while many of the perennial forb and shrub species produced few flowers or remained sterile throughout the growing season.

Figure 1: Overland Pass/Big Wash Project Map



Methods

Extensive surveys were conducted throughout the project's treatment areas. Survey methods employed included a combination of cursory and intuitive approaches. Maps were provided by NDOW and Ely BLM. Because soil surveys for the area have not yet been completed, greater emphasis was placed on utilizing cursory methods. Particular attention was spent on the higher elevation sections, springs, and rock outcrops of each treatment unit, as these features increased the likelihood of locating target taxa. Botanists identified and inventoried all plant species encountered. A Forest Service Plant Survey Field Form was completed for each of the ten units. See Appendix B for plant lists for each unit. In addition, all noxious weed populations were identified and documented.

Taxa were generally determined to the species level or below. However, in a few cases, if fertile parts were unavailable and the genus did not include any target special status species, taxa were determined to the genus level.

Results

No populations of special status species were previously known in the treatment areas, nor were any new populations observed. Approximately 233.9 acres (64.4miles tracked) were surveyed from June 25 to July 6, 2012. Area was calculated by multiplying the length of survey tracks by a width of 30 feet, 15 feet on either side of the surveyor, resulting in square feet surveyed. Square feet were then converted to acres. Table 1 summarizes the ten units separating acres surveyed by foot and by vehicle, and dates surveyed. Figures 2 through 11 are maps showing unit boundaries and survey tracks.

A previously unmapped spring was encountered on the northern edge of the Sestanovich treatment area. The spring did not have standing water, but had typical riparian species including: *Juncus balticus*, *Carex* sp., *Potentilla gracilis*, and *Hypericum scouleri*. The spring is located under a canopy of pinyon-juniper and would benefit from thinning of the surroundiing pinyon-juniper. It is represented on the the Sestanovich Unit 1 map as a point. Its UTM coordinates are: 11N E614355 N4441611.

A single population of more than 50 individuals of musk thistle (*Carduus nutans*), a Category B Nevada noxious weed species, was observed on the Overland Pass treatment in a recently burned area. The population's point is highlighted on the Overland Pass Unit 7 map. Its UTM coordinates are: 11N E622144 N4431169.

Table 1. Survey Unit Acres Tracked

Survey Unit	Acres surveyed by foot	Acres surveyed by vehicle	Total acres	Dates Surveyed
Sestanovich Unit 1	9.6	0	9.6	6/26/12
Willow Creek Unit 2	17.1	2.0	19.1	6/27/12
Walker Canyon Unit 3	12.7	0	12.7	6/27/12, 6/28/12
North Cherry Unit 4	23.7	9.0	32.7	6/28/12
Big Wash Unit 5	18.1	23.6	41.7	7/1/12
Cracker Johnson Unit 6	14.4	7.1	21.5	7/2/12
Overland Pass Unit 7	23.4	19.8	43.2	7/3/12
East Bench Unit 8	25.5	2.5	28.0	7/5/12, 7/6/12
Lower East Bench Unit 9	4.3	0	4.3	7/6/12
East Sherman Unit 10	21.1	0	21.1	7/5/12, 7/6/12
Overall Totals	169.9	64.0	233.9	6/26-7/6/12

Conclusion

Special status plant surveys were conducted for 9 taxa in pinyon-juniper treatment areas of the Overland Pass/Big Wash Habitat Improvement Project. Although the ten units were broadly sampled for presence, no populations were discovered. No special status plant species will be affected by the proposed actions.

Figure 2 – Sestanovich Unit 1

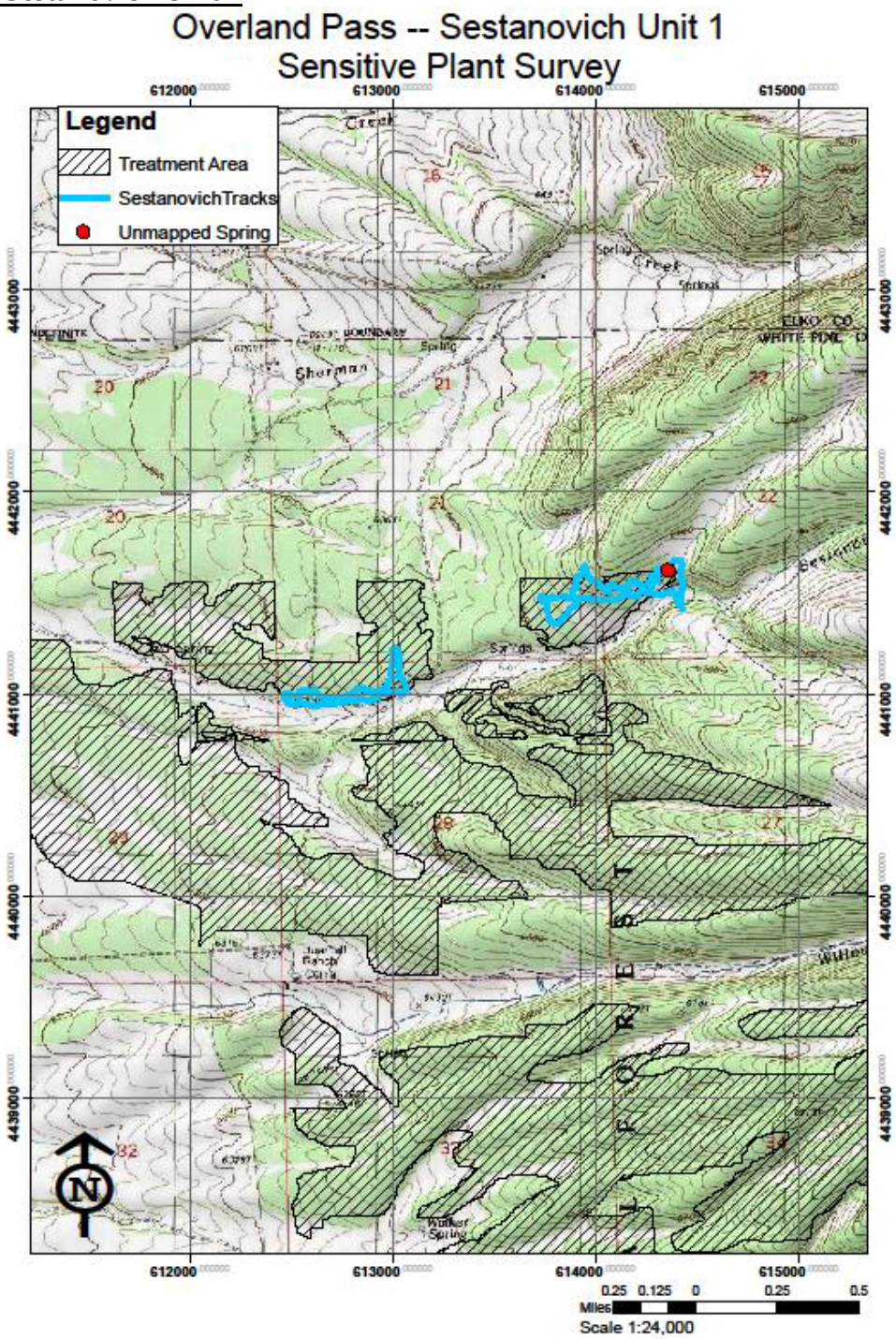


Figure 3—Willow Creek Unit 2

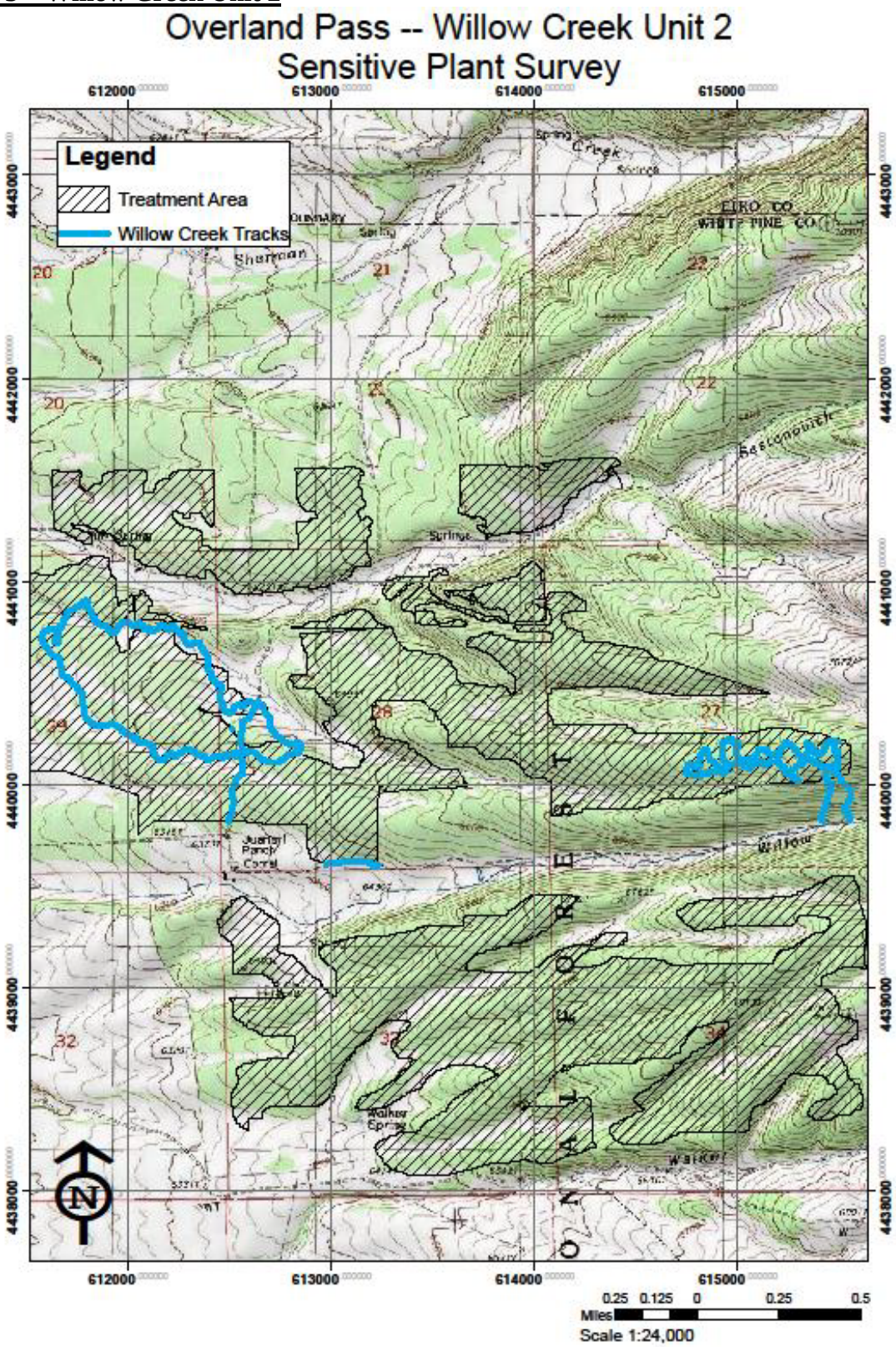


Figure 4—Walker Canyon Unit 3

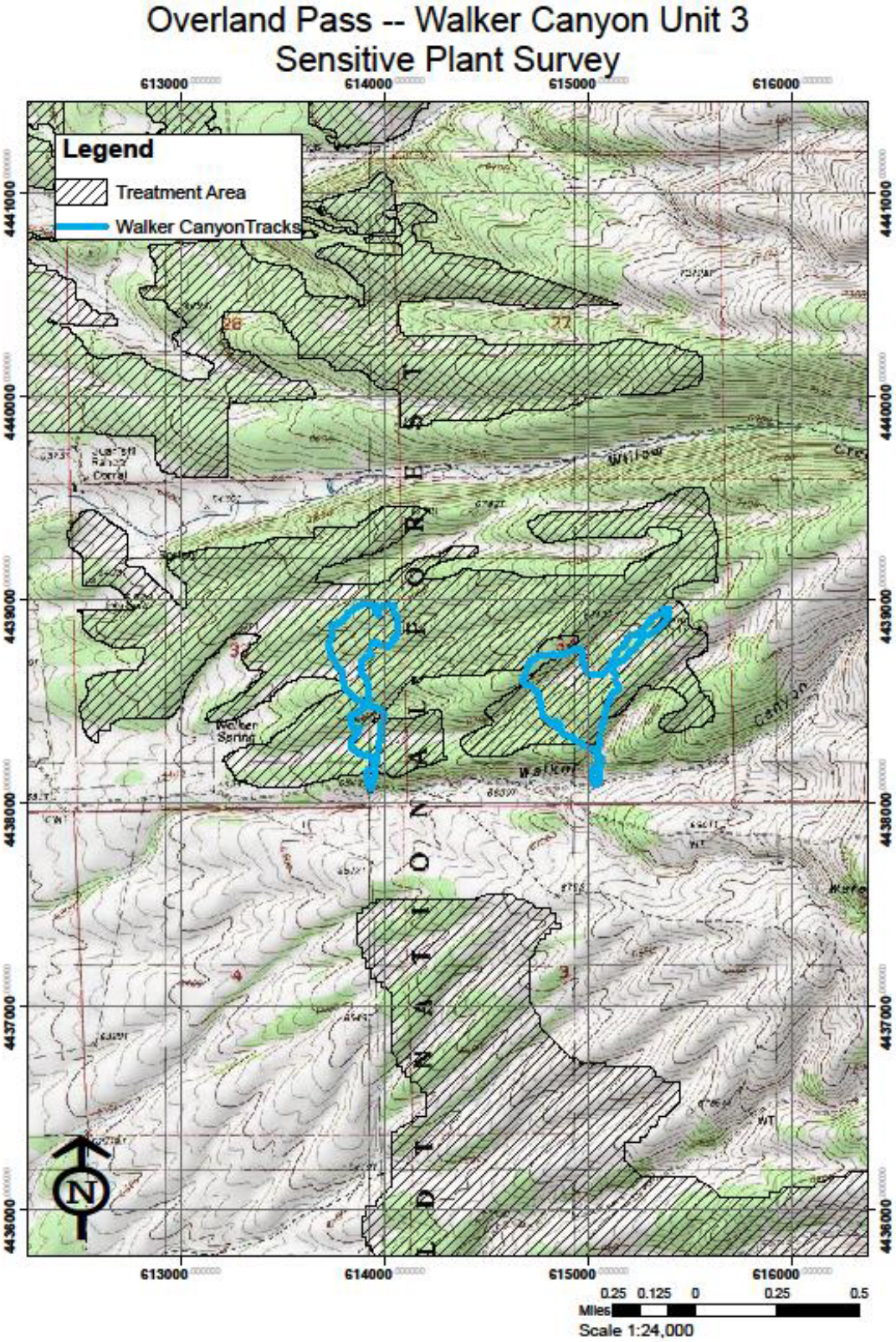


Figure 5—North Cherry Unit 4

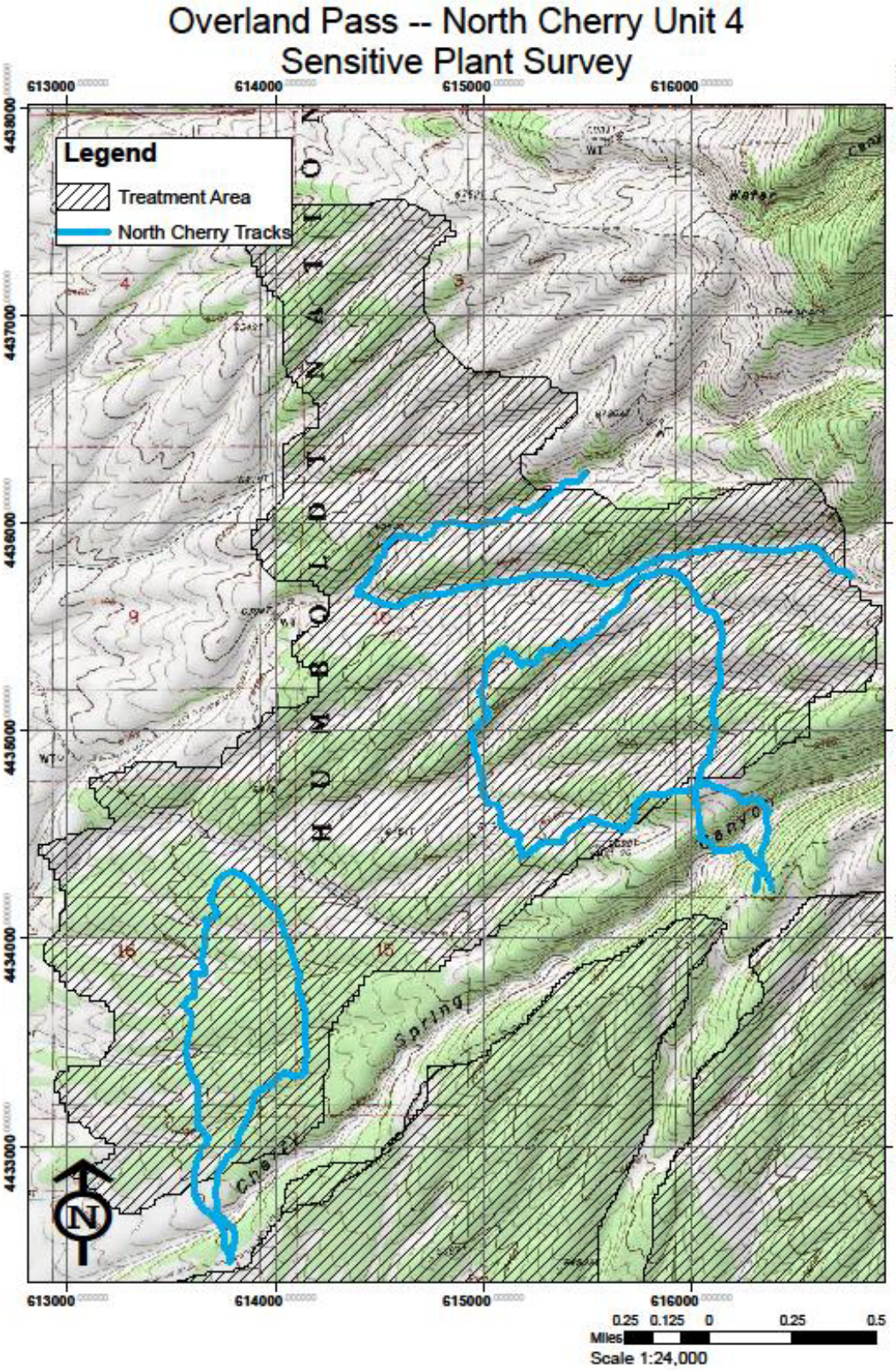


Figure 6—Big Wash Unit 5

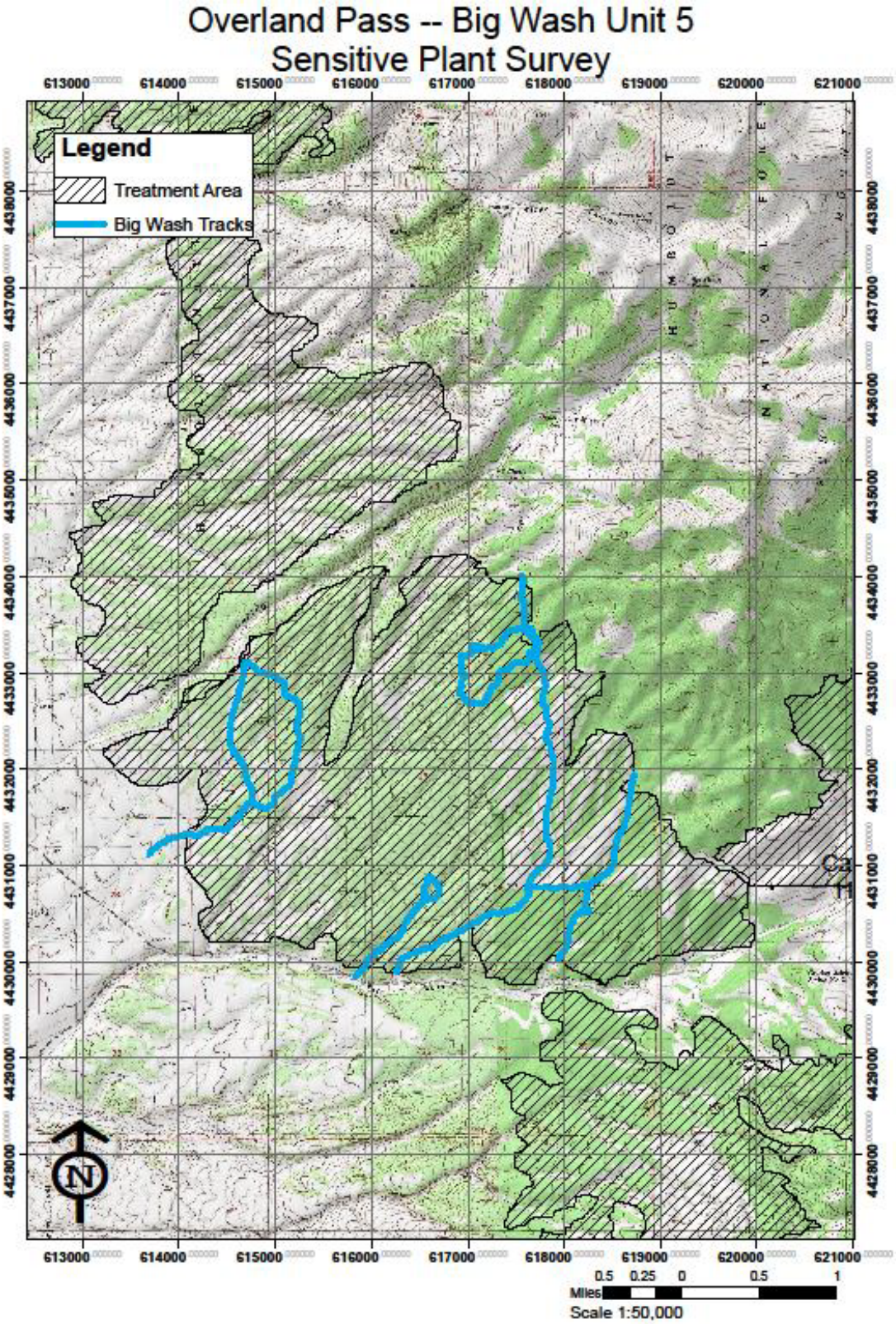


Figure 7—Cracker Johnson Unit 6

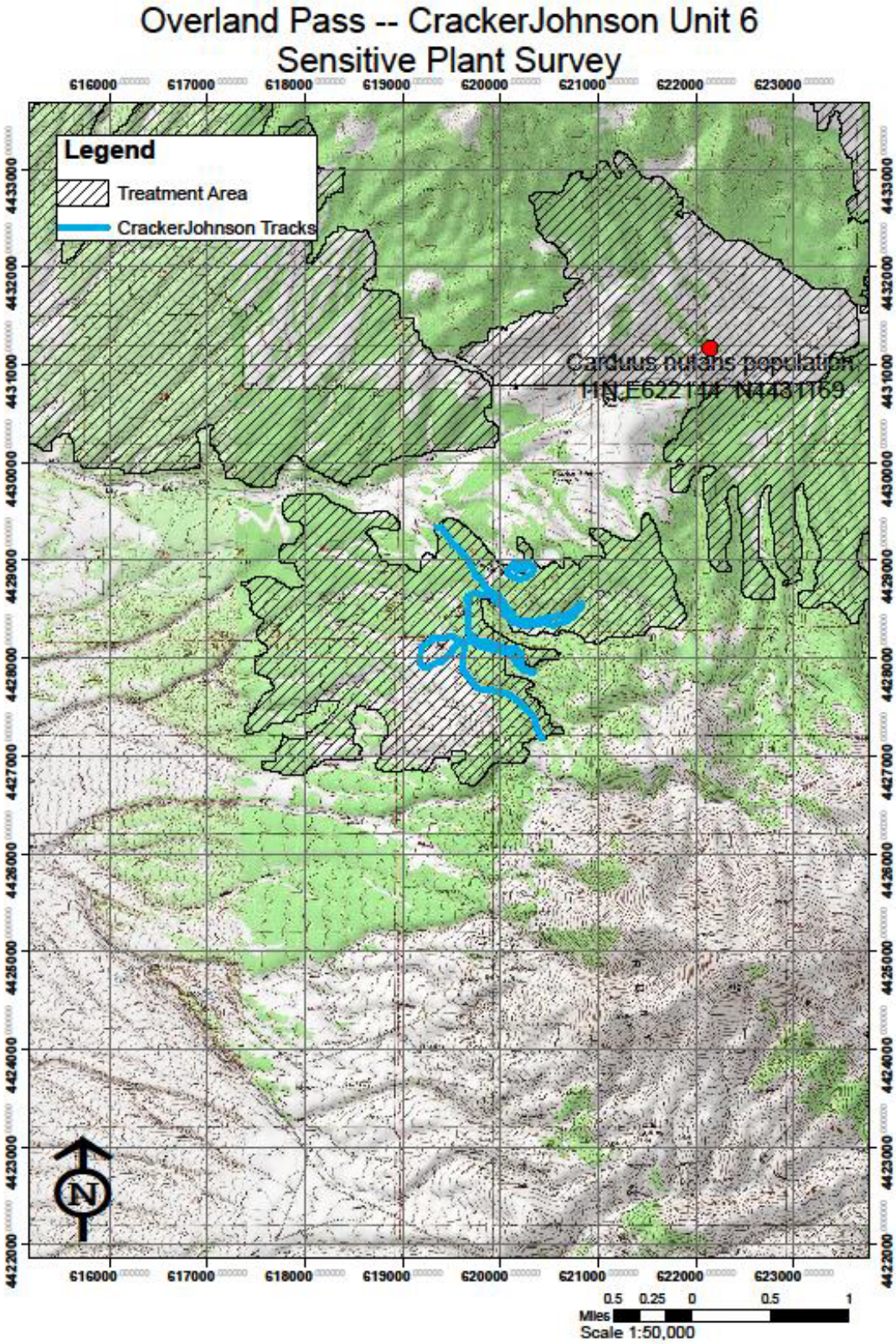


Figure 8—Overland Pass Unit 7

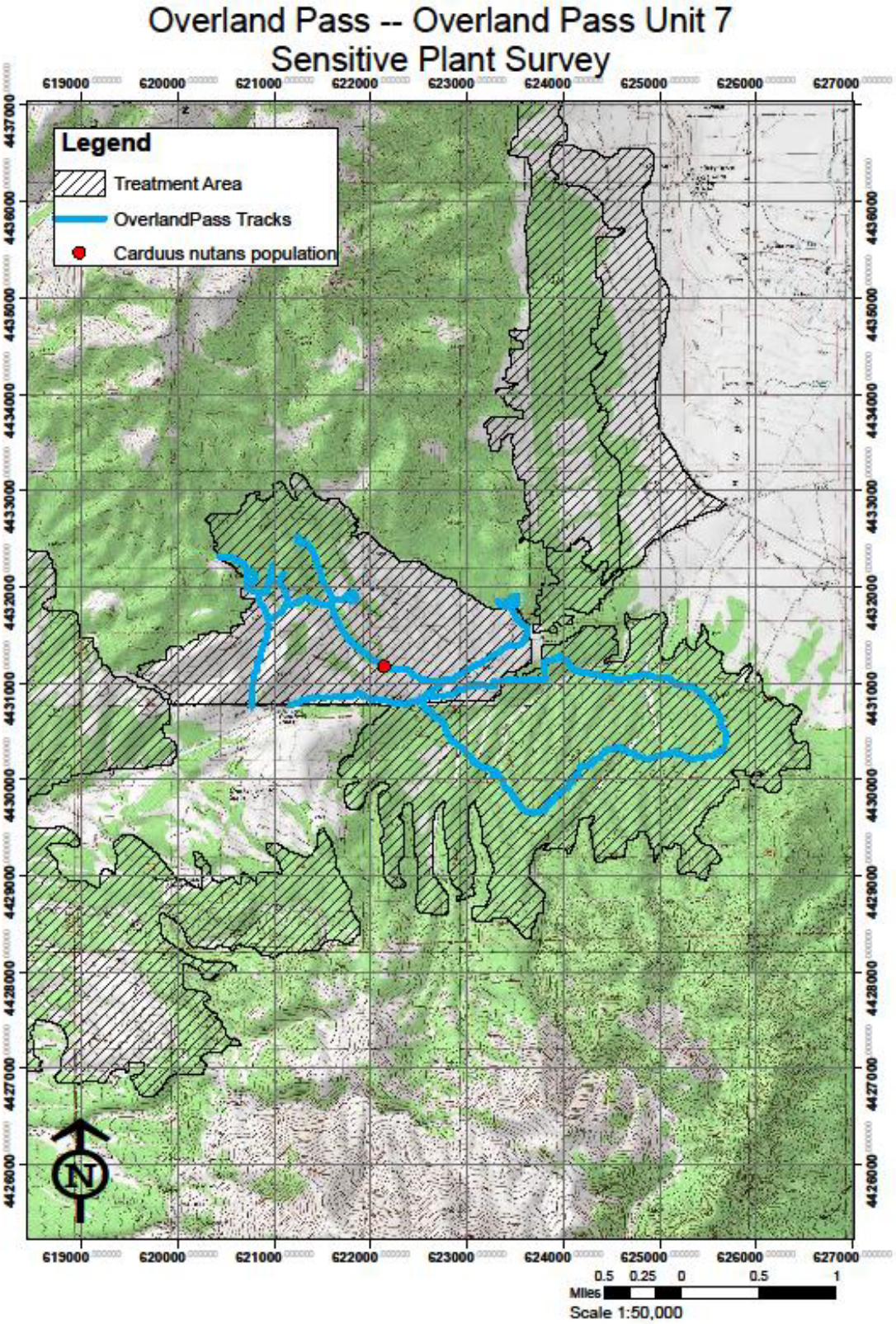


Figure 9—East Bench Unit 8

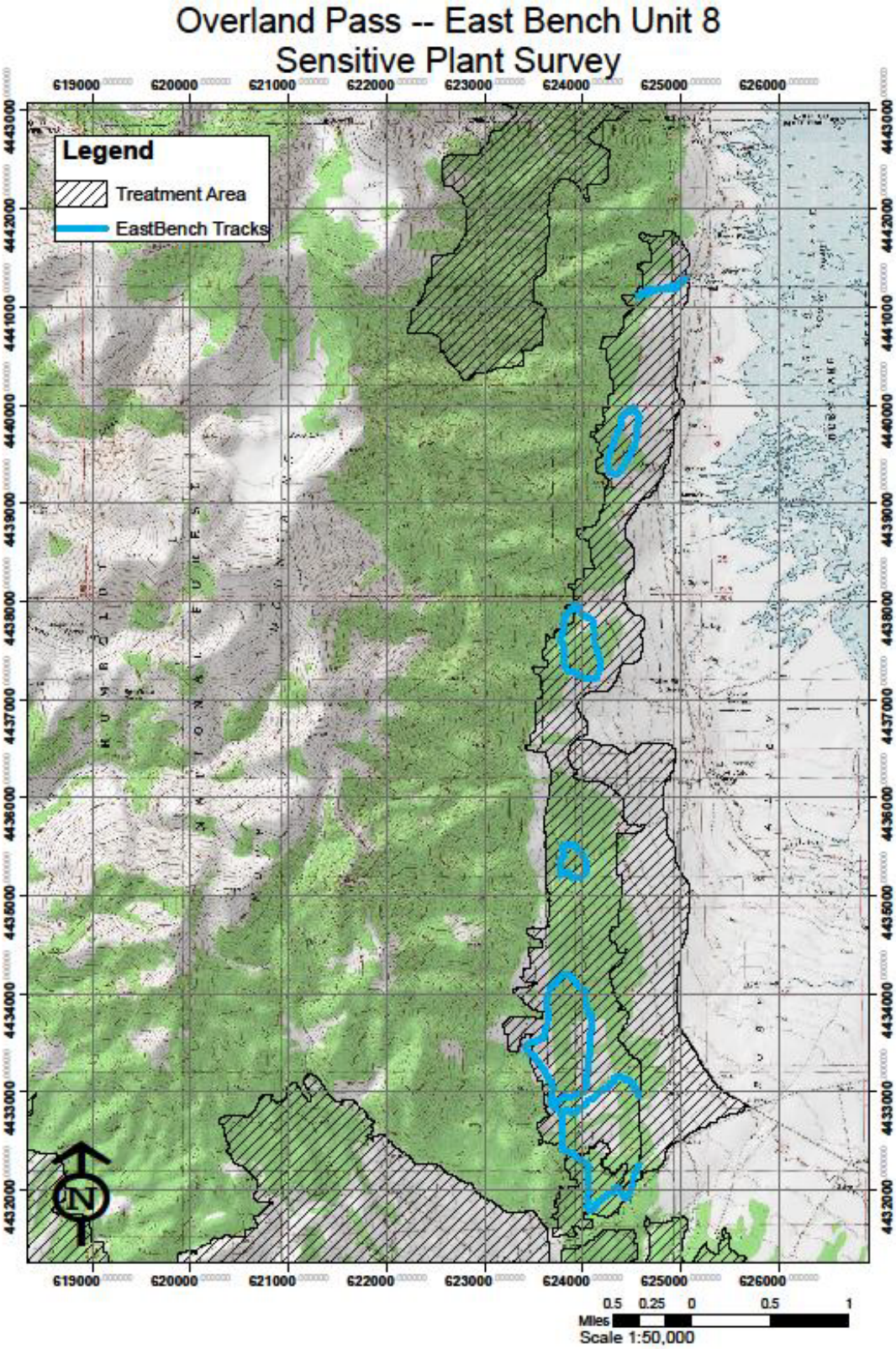


Figure 10—Lower East Bench Unit 9

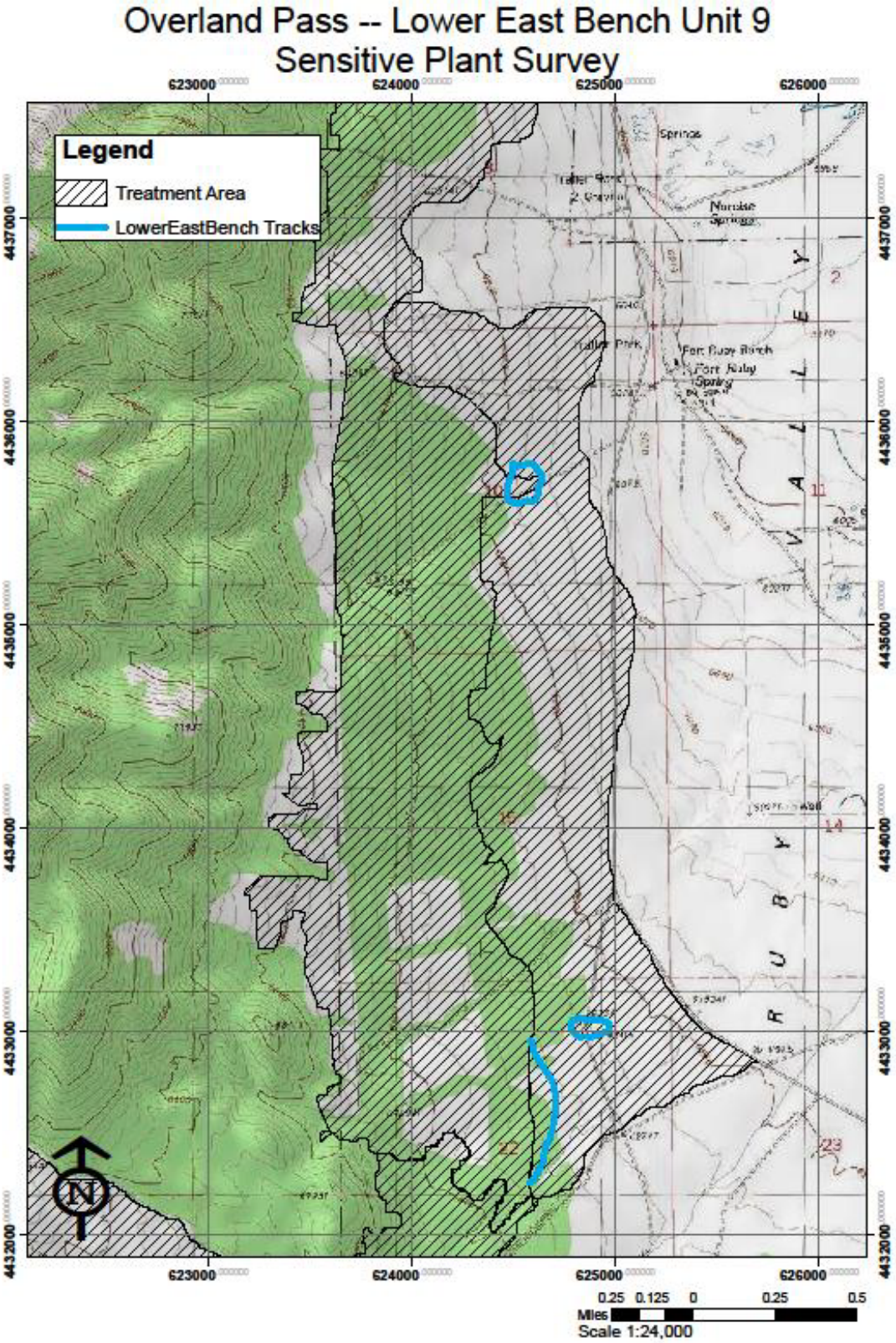


Figure 11—East Sherman Unit 10

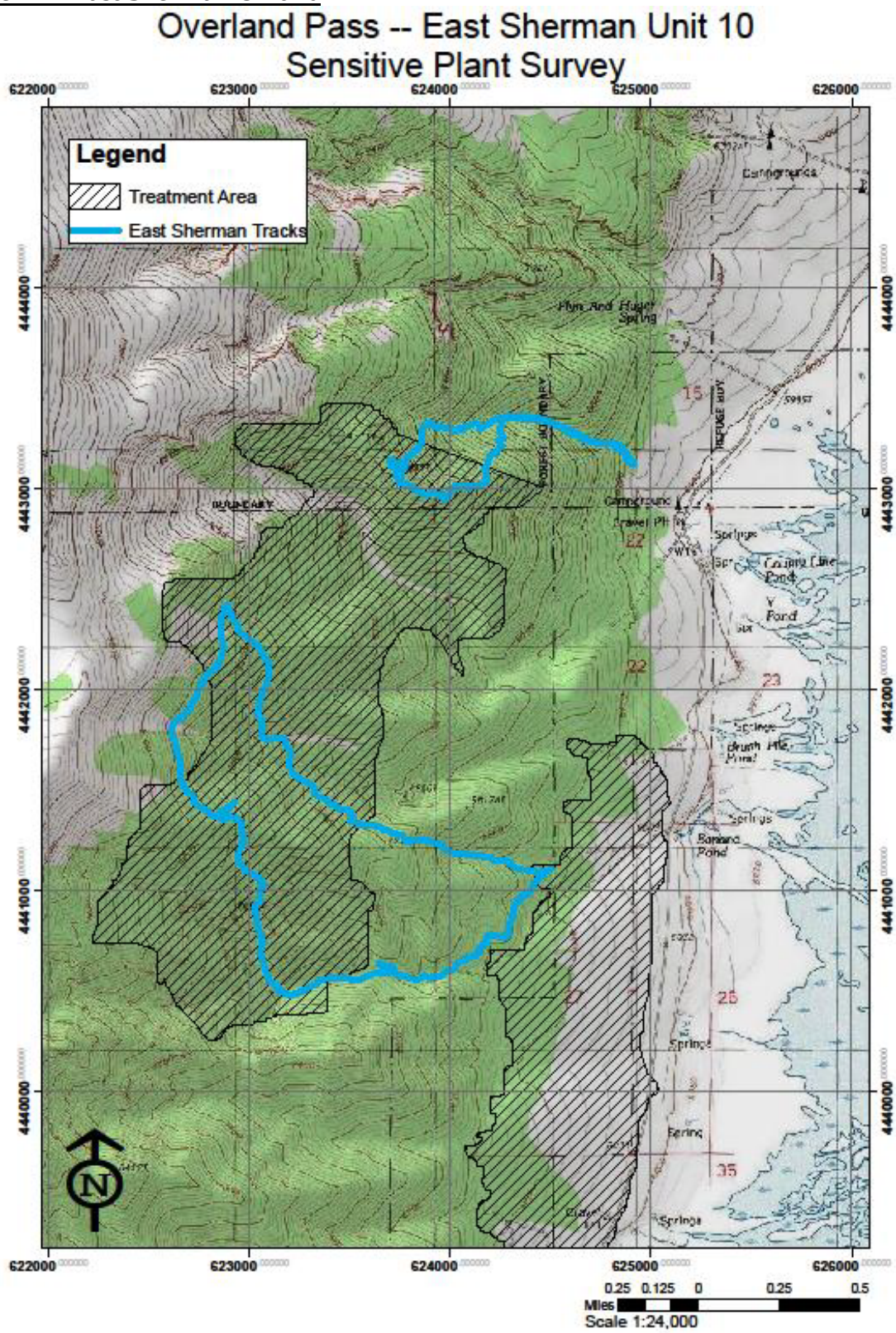


Photo 1—Habit of *Carduus nutans*

Photo 2—Capitulum of *Carduus nutans*

Photo 3— East Sherman Unit 10-*Cercocarpus ledifolius* dominated woodland

Photo4—East Sherman Unit 10; looking East-Avalanche Chute

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Field Biologists

Plant surveys were conducted by Gregory Gust and Julie Thompson, ENLC employees. Greg, ENLC's botanist, has 10 years of experience conducting botanical research throughout the United States and abroad, the last six years working in Nevada. Julie Thompson is ENLC's ecologist with seven years of experience identifying plants in the Great Basin.

Final Products

Products delivered to Ely District Bureau of Land Management:

- Final Survey Report (two signed copies)
- Completed TES field survey forms
- Compact Disc including electronic copy of report, ten TES field survey forms, jpg images, jpg maps and shapefiles of survey tracks.

Signature

_____

Gregory Gust, ENLC Botanist

Appendix A: Target Special Status Species

Scientific Name	Common Name	Status
Boechera falcatoria	Grouse Creek rockcress	USFS R4 Sensitive
Botrychium ascendens	upswept moonwort	USFS R4 Sensitive
Botrychium crenulatum	dainty moonwort	USFS R4 and NV BLM Sensitive
Botrychium lineare	slender moonwort	USFS R4 Sensitive
Draba pennellii	Schell Creek draba	USFS R4 Sensitive
Epilobium nevadense	Nevada willowherb	NV BLM Sensitive
Primula capillaris	Ruby Mt. primrose	USFS R4 Sensitive
Silene natchlingerae	Natchlinger's catchfly	USFS R4 and NV BLM Sensitive
***Smelowskia holmgrenii* (Syn. *Nevada holmgrenii*)**	Holmgren's Smelowskia	NV BLM Sensitive

Appendix B: Species Observed

Sestanovich Unit 1

NRCS Plant Code	**Scientific name**	**Lifeform** (**TR**ee, **FO**rb, **GR**aminoid)	**Dominance in veg. type for unit**
ACMI2	*Achillea millifolium*	FO	N
ACHY	*Achnatherum hymenoides*	GR	N
ACTH7	*Acnatherum thurberianum*	GR	N
AGUR	*Agastache urticifolia*	FO	N
AGCR	*Agropyron cristatum*	GR	N
ALDE	*Alyssum desertorum*	FO	N
AMAL2	*Amelanchier alnifolia*	TR	N
ARLU	*Artemisia ludoviciana*	SH	N
ARNO4	*Artemisia nova*	SH	N
ARTRT	*Artemisia tridentata ssp. tridentata*	SH	Y
ARTRW8	*Artemisia tridentata ssp. wyomingensis*	SH	Y
ASER4	*Astragalus erimiticus*	FO	N
ASTRA	*Astragalus sp.*	FO	N
BASA3	*Balsamorhiza sagittata*	FO	N
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO	N
BRIN2	*Bromus inermis*	GR	N
BRTE	*Bromus tectorum*	GR	N
CAREX	*Carex sp.*	GR	N
CACR11	*Caulanthus crassicaulis*	FO	N
CEIN7	*Cercocarpus intricatus*	SH	N
CHVI8	*Chrysothamnus viscidiflorus*	SH	N
CIUN	*Cirsium undulatum*	FO	N

COUM	*Commandra umbellata*	FO	N
CRFL2	*Cryptantha flavaculata*	FO	N
DEAN	*Delphinium andersonii*	FO	N
DEPI	*Descurainea pinnata*	FO	N
DESO2	*Descurainea sophia*	FO	N
ELEL5	*Elymus elymoides*	GR	N
ERNA10	*Ericameria nauseosa*	SH	N
ERCA8	*Eriogonum caespitosum*	FO	N
ERUM	*Eriogonum umbellatum*	SH	N
HAMI	*Hackelia micrantha*	FO	N
HEQU2	*Helianthella quinquenervis*	FO	N
HYPE	*Hypericum scouleri*	FO	N
IPAG	*Ipomopsis aggregata*	FO	N
IPCO5	*Ipomopsis congesta*	FO	N
IVAX	*Iva axillaris*	FO	N
JUNBAL	*Juncus balticus*	GR	N
JUOS	*Juniperus osteosperma*	TR	Y
LECI4	*Leymus cinereus*	GR	N
LIPU11	*Linanthus pungens*	SH	N
LILE3	*Linum lewisii*	FO	N
LIRU4	*Lithospermum ruderale*	FO	N
MARE11	*Mahonia repens*	SH	N
OECA10	*Oenothera caespitosum*	FO	N
OPPOE	*Opuntia polyacantha var. erinacea*	SH	N
PAMU11	*Packera multilobata*	FO	N
PENST	*Penstemon sp.*	FO	N
PEPU	*Petradoria pumila*	SH	N
PHHO	*Phlox hoodii*	FO	N
PHLO2	*Phlox longifolia*	FO	N
PHCH2	*Physaria chambersii*	C	N
PIMO	*Pinus monophylla*	TR	Y
POSE	*Poa secunda*	GR	N
POTEN	*Potentilla gracilis* var. *flabelliformis*	FO	N
PSSP6	*Pseudoroegneria spicata*	GR	N
PUTR2	*Purshia tridentata*	SH	N
RICE	*Ribes cereum*	SH	N
ROWO	*Rosa woodsii*	SH	N
SIAL2	*Sisymbrium altissimum*	FO	N
SYOR2	*Symphoricarpus oreophilus*	SH	N
TRDU	*Tragopogon dubius*	FO	N

Willow Creek Unit 2

NRCS Plant Code	Scientific name	Lifeform (TRee,FOrb,GRaminoid)	Dominance in veg. type for unit
ARLU	*Artemisia ludoviciana*	SH	N
ARNO	*Artemisia nova*	SH	N
ARTRT	*Artemisia tridentata* ssp. *tridentata*	SH	Y
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH	Y
ASTRA	*Atragalus* sp.	FO	N
BASA3	*Balsamorhiza sagittata*	FO	N
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO	N
BRTE	*Bromus tectorum*	GR	N
CACR11	*Caulanthus crassicaulis*	FO	N
CHVI8	*Chrysothamnus viscidiflorus*	SH	N
COUM	*Commandra umbellata*	FO	N
CRAC2	*Crepis acuminata*	FO	N
CRFL2	*Cryptantha flavaculata*	FO	N
DEAN	*Delphinium andersonii*	FO	N
ELEL5	*Elymus elymoides*	GR	N
ELLA3	*Elymus lanceolatus*	GR	N
EPBR3	*Epilobium brachycarpum*	FO	N
ERNA10	*Ericameria nauseosa*	SH	N
ERPU2	*Erigeron pumilus*	FO	N
ERCA8	*Eriogonum caespitosum*	FO	N
EROV	*Eriogonum ovalifolium*	FO	N
ERUM	*Eriogonum umbellatum*	SH	N
HEQU2	*Helianthella quinquenervis*	FO	N
IPCO5	*Ipomopsis congesta*	FO	N
JUOS	*Juniperus osteosperma*	TR	Y
LECI4	*Leymus cinereus*	GR	Y
LIPU11	*Linanthus pungens*	SH	N
LILE3	*Linum lewisii*	FO	N
LIRU4	*Lithospermum ruderale*	FO	N
LONE	*Lomatium nevadense*	FO	N
OECA10	*Oenothera caespitosum*	FO	N
PAMU11	*Packera multilobata*	FO	N
PENST	*Penstemon sp.*	FO	N
PEPU7	*Petradoria pumila*	FO	N
PHAU3	*Phlox austromontana*	FO	N
PHHO	*Phlox hoodii*	FO	N
PHLO2	*Phlox longifolia*	FO	N
PHJU	*Phoradendron juniperinum*	FO	N
PHCH2	*Physaria chambersii*	FO	N

PIMO	*Pinus monophylla*	TR	Y
POSE	*Poa secunda*	GR	N
PSSP6	*Pseudoroegneria spicata*	GR	N
PUTR2	*Purshia tridentata*	SH	N
STAC	*Stenotis acaulis*	FO	N

Walker Canyon Unit 3

NRCS Plant Code	**Scientific name**	**Lifeform** (TRee,FOrb,GRaminoid)	**Dominance in veg. type for unit**
ACHY	*Achnatherum hymenoides*	GR	N
AGCR	*Agropyron cristatum*	GR	N
ALDE	*Alyssum desertorum*	FO	N
AMAL2	*Amelanchier alnifolia*	TR	N
ARNO4	*Artemisia nova*	SH	N
ARTRV	*Artemisia tridentata* ssp. *vasayana*	SH	N
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH	Y
ASLE8	*Atragalus lentiginosus*	FO	N
BASA3	*Balsamorhiza sagittata*	FO	N
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO	N
BRTE	*Bromus tectorum*	GR	N
CACR11	*Caulanthus crassicaulis*	FO	N
CEIN7	*Cercocarpus intricatus*	SH	N
CHVI8	*Chrysothamnus viscidiflorus*	SH	N
COUM	*Commandra umbellata*	FO	N
CRAC2	*Crepis acuminata*	FO	N
CRFL2	*Cryptantha flavaculata*	FO	N
ELEL5	*Elymus elymoides*	GR	N
ERNA10	*Ericameria nauseosa*	SH	N
ERUM	*Eriogonum umbellatum*	SH	N
HEQU2	*Helianthella quinquenervis*	FO	N
IVAX	*Iva axillaris*	FO	N
JUOS	*Juniperus osteosperma*	TR	Y
LECI4	*Leymus cinereus*	GR	N
LILE3	*Linum lewisii*	FO	N
LIRU4	*Lithospermum ruderale*	FO	N
LONE	*Lomatium nevadense*	FO	N
MACA2	*Machaeranthera cannescens*	FO	N
MAVU	*Marrubium vulgare*	FO	N
OPPOE	*Opuntia polyacantha* var. *erinacea*	SH	N
PENST	*Penstemon* sp.	FO	N

PHHO	*Phlox hoodii*	FO	N
PHPU5	*Phlox pulvinata*	FO	N
PHCH2	*Physaria chambersii*	FO	N
PIMO	*Pinus monophylla*	TR	Y
POSE	*Poa secunda*	GR	N
PSSP6	*Pseudoroegneria spicata*	GR	N
PUTR2	*Purshia tridentata*	SH	N
SYOR2	*Symphoricarpus oreophilus*	SH	N

North Cherry Unit 4

NRCS Plant Code	**Scientific name**	**Lifeform** (TRee,FOrb,GRaminoid)	**Dominance in veg. type for unit**
ACHY	*Achnatherum hymenoides*	GR	N
ALDE	*Alyssum desertorum*	FO	N
AMAL2	*Amelanchier alnifolia*	TR	N
ARMU	*Argemone munita*	FO	N
ARNO4	*Artemisia nova*	SH	N
ARTRT	*Artemisia tridentata* ssp. *tridentata*	SH	N
ARTRV	*Artemisia tridentata* ssp. *vasayana*	SH	N
ARTRW8	*Artemisia trid*entata ssp. *wyomingensis*	SH	Y
ASCA9	*Astragalus calycosus*	FO	N
ASER4	*Astragalus erimiticus*	FO	N
ASLE8	*Atragalus lentiginosus*	FO	N
BASA3	*Balsamorhiza sagittata*	FO	N
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO	N
BRTE	*Bromus tectorum*	GR	N
CANU17	*Calochortus nuttalii*	GR	N
CACR11	*Caulanthus crassicaulis*	FO	N
CEIN7	*Cercocarpus intricatus*	SH	N
CHDO	*Chaenactis douglasii*	FO	N
CHVI8	*Chrysothamnus viscidiflorus*	SH	N
COUM	*Commandra umbellata*	FO	N
CRAC2	*Crepis acuminata*	FO	N
CRYPT	*Cryptantha* sp.	FO	N
CRFL2	*Cryptantha flavaculata*	FO	N
CRHU2	*Cryptantha humilis*	FO	N
DEAN	*Delphinium andersonii*	FO	N
DEPI	*Descurainea pinnata*	FO	N
DESO2	*Descurainea sophia*	FO	N
ELEL5	*Elymus elymoides*	GR	N

ERCA8	*Eriogonum caespitosum*	FO	N
ERUM	*Eriogonum umbellatum*	SH	N
GALIU	*Galium* sp.	SH	N
HEQU2	*Helianthella quinquenervis*	FO	N
IVAX	*Iva axillaris*	FO	N
JUOS	*Juniperus osteosperma*	TR	Y
LASE	*Lactuca serriola*	FO	N
LECI4	*Leymus cinereus*	GR	N
LILE3	*Linum lewisii*	FO	N
LIRU4	*Lithospermum ruderale*	FO	N
MAGRG	*Machaeranthera grindelioides var. grindelioides*	FO	N
OECA10	*Oenothera caespitosum*	FO	N
PAMU11	*Packera multilobata*	FO	N
PEEA	*Penstemon eatonii*	FO	N
PEPA8	*Penstemon palmeri*	FO	N
PENST	*Penstemon sp.*	FO	N
PHHO	*Phlox hoodii*	FO	N
PHCH2	*Physaria chambersii*	FO	N
PIMO	*Pinus monophylla*	TR	Y
PLSP7	*Pleiacanthus spinosus*	SH	N
POSE	*Poa secunda*	GR	N
PSSP6	*Pseudoroegneria spicata*	GR	N
PUTR2	*Purshia tridentata*	SH	N
RICE	*Ribes cereum*	SH	N
SIAL2	*Sisymbrium altissimum*	FO	N
STAC	*Stenotis acaulis*	FO	N
SYOR2	*Symphoricarpus oreophilus*	SH	N
TEGL	*Tetradymia glabrata*	SH	N
TRDU	*Tragopogon dubius*	FO	N

Big Wash Unit 5

NRCS Plant Code	**Scientific name**	**Lifeform** (TRee,FOrb,GRaminoid)	**Dominance in veg. type for unit**
ACHY	*Achnatherum hymenoides*	GR	N
ALDE	*Alyssum desertorum*	FO	N
AMAL2	*Amelanchier alnifolia*	TR	N
ARNO4	*Artemisia nova*	SH	Y
ARTRT	*Artemisia tridentata* ssp. *tridentata*	SH	Y
ARTRV	*Artemisia tridentata* ssp. *vasayana*	SH	N
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH	Y

ASER4	*Astragalus erimiticus*	FO	N
ASLE8	*Atragalus lentiginosus*	FO	N
ASTRA	*Atragalus* sp.	FO	N
ATCA	*Atriplex confertifolia*	SH	N
BASA3	*Balsamorhiza sagittata*	FO	N
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO	N
BRTE	*Bromus tectorum*	GR	Y
CACR11	*Caulanthus crassicaulis*	FO	N
CEIN7	*Cercocarpus intricatus*	SH	N
CELE3	*Cercocarpus ledifolius*	SH	N
CHVI8	*Chrysothamnus viscidiflorus*	SH	N
COUM	*Commandra umbellata*	FO	N
CRAC2	*Crepis acuminata*	FO	N
CRFL2	*Cryptantha flavaculata*	FO	N
DEAN	*Delphinium andersonii*	FO	N
DEPI	*Descurainea pinnata*	FO	N
ELEL5	*Elymus elymoides*	GR	N
ERNA10	*Ericameria nauseosa*	SH	N
ERCA8	*Eriogonum caespitosum*	FO	N
EROV	*Eriogonum ovalifolium*	FO	N
ERUM	*Eriogonum umbellatum*	SH	N
IPCO5	*Ipomopsis congesta*	FO	N
JUOS	*Juniperus osteosperma*	TR	Y
LECI4	*Leymus cinereus*	GR	N
LIPU11	*Linanthus pungens*	SH	N
LILE3	*Linum lewisii*	FO	N
LIRU4	*Lithospermum ruderale*	FO	N
MACA2	*Machaeranthera cannescens*	FO	N
PAMU11	*Packera multilobata*	FO	N
PENST	*Penstemon sp.*	FO	N
PHHO	*Phlox hoodii*	FO	N
PIMO	*Pinus monophylla*	TR	Y
POSE	*Poa secunda*	GR	N
PUST	*Purshia stansburiana*	SH	N
PUTR2	*Purshia tridentata*	SH	Y
SIAL2	*Sisymbrium altissimum*	FO	N
STAC	*Stenotis acaulis*	FO	N
SYOR2	*Symphoricarpus oreophilus*	SH	N
TEGL	*Tetradymia glabrata*	SH	N

Cracker Johnson Unit 6

NRCS Plant Code	Scientific name	Lifeform (TRee,FOrb,GRaminoid)	Dominance in veg. type for unit
ACHY	*Achnatherum hymenoides*	GR	N
ARTRV	*Artemisia tridentata* ssp. *vasayana*	SH	Y
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH	Y
BASA3	*Balsamorhiza sagittata*	FO	N
BRTE	*Bromus tectorum*	GR	N
CALI4	*Castilleja lineariifolia*	FO	N
CHVI8	*Chrysothamnus viscidiflorus*	SH	N
COUM	*Commandra umbellata*	FO	N
CRAC2	*Crepis acuminata*	FO	N
CRFL2	*Cryptantha flavaculata*	FO	N
DESO2	*Descurainea sophia*	FO	N
ELEL5	*Elymus elymoides*	GR	N
IVAX	*Iva axillaris*	FO	N
JUOS	*Juniperus osteosperma*	TR	Y
LILE3	*Linum lewisii*	FO	N
LIRU4	*Lithospermum ruderale*	FO	N
OECA10	*Oenothera caespitosum*	FO	N
PHHO	*Phlox hoodii*	FO	N
PIMO	*Pinus monophylla*	TR	Y
PLSP7	*Pleiacanthus spinosus*	SH	N
POSE	*Poa secunda*	GR	N
PUTR2	*Purshia tridentata*	SH	N
RACY	*Ranunculus cymbalaria*	FO	N
ROWO	*Rosa woodsii*	SH	N
STAC	*Stenotis acaulis*	FO	N
TEGL	*Tetradymia glabrata*	SH	N

Overland Pass Unit 7

NRCS Plant Code	Scientific name	Lifeform (**TR**ee, **FO**rb, **GR**ass-like)	Dominance in veg. type for unit
ACMI2	*Achillea millifolium*	FO	N
ACHY	*Achnatherum hymenoides*	GR	N
AMAL2	*Amelanchier alnifolia*	TR	N
ARNO4	*Artemisia nova*	SH	Y
ARTRT	*Artemisia tridentata* ssp. *tridentata*	SH	N
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH	Y

ASER4	*Astragalus erimiticus*	FO	N
ASTRA	*Atragalus* sp.	FO	N
BASA3	*Balsamorhiza sagittata*	FO	N
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO	N
BROBL	*Brickellia oblongifolia* var. *linifolia*	SH	N
BRTE	*Bromus tectorum*	GR	Y
CANU4	***Carduus nutans***	FO	N
CALI4	*Castilleja lineariifolia*	FO	N
CACR11	*Caulanthus crassicaulis*	FO	N
CEIN7	*Cercocarpus intricatus*	SH	N
CELE3	*Cercocarpus ledifolius*	SH	N
CHDO	*Chaenactis douglasii*	FO	N
CHVI8	*Chrysothamnus viscidiflorus*	SH	N
COUM	*Commandra umbellata*	FO	N
CRFL2	*Cryptantha flavaculata*	FO	N
CRHU2	*Cryptantha humilis*	FO	N
DEAN	*Delphinium andersonii*	FO	N
DEPI	*Descurainea pinnata*	FO	N
ELEL5	*Elymus elymoides*	GR	N
ERNA7	*Ericameria nana*	SH	N
ERINA10	*Ericameria nauseosa*	SH	N
ERPU2	*Erigeron pumilus*	FO	N
ERCA8	*Eriogonum caespitosum*	FO	N
ERMI4	*Eriogonum microthecum*	SH	N
ERUM	*Eriogonum umbellatum*	SH	N
GUSA2	*Gutierrezia sarothrae*	SH	N
HEQU2	*Helianthella quinquenervis*	FO	N
IPCO5	*Ipomopsis congesta*	FO	N
IVAX	*Iva axillaris*	FO	N
IVSH	*Ivesia* cf *shockleyi*	FO	N
JUOS	*Juniperus osteosperma*	TR	Y
LECI4	*Leymus cinereus*	GR	Y
LIPU11	*Linanthus pungens*	SH	N
LILE3	*Linum lewisii*	FO	N
LIRU4	*Lithospermum ruderale*	FO	N
LONE	*Lomatium nevadense*	FO	N
OPPOE	*Opuntia polyacantha* var. *erinacea*	SH	N
PAMU11	*Packera multilobata*	FO	N
PEDE4	*Penstemon deustus*	FO	N
PENST	*Penstemon sp.*	FO	N
PEPU7	*Petradoria pumila*	FO	N
PECA12	*Petrophytum caespitosum*	FO	N

PHHO	*Phlox hoodii*	FO	N
PHCH2	*Physaria chambersii*	FO	N
PIMO	*Pinus monophylla*	TR	Y
POSE	*Poa secunda*	GR	N
PSSP6	*Pseudoroegneria spicata*	GR	N
PUTR2	*Purshia tridentata*	SH	Y
SANIC	*Sambucus nigra* var. *cerulea*	SH	N
SIAL2	*Sisymbrium altissimum*	FO	N
SPPA2	*Sphaeralcea parvifolia*	FO	N
STAC	*Stenotis acaulis*	FO	N
SYOR2	*Symphoricarpus oreophilus*	SH	N
TEGL	*Tetradymia glabrata*	SH	N
WYAM	*Wyethia amplexicaulis*	FO	N

East Bench Unit 8

NRCS Plant Code	**Scientific name**	**Lifeform** (**TR**ee, **FO**rb, **GR**ass-like)	**Dominance in veg. type for unit**
ACHY	*Achnatherum hymenoides*	GR	N
ALDE	*Alyssum desertorum*	FO	N
ARNO4	*Artemisia nova*	SH	Y
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH	Y
ASCA9	*Astragalus calycosus*	FO	N
ASNE6	*Astragalus newberryi*	FO	N
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO	N
BRTE	*Bromus tectorum*	GR	N
CHVI8	*Chrysothamnus viscidiflorus*	SH	N
COUM	*Commandra umbellatum*	FO	N
CRFL2	*Cryptantha flavaculata*	FO	N
DEAN	Delphinium andersonii	FO	N
ELEL5	*Elymus elymoides*	GR	N
ERNA10	*Ericameria nauseosa*	SH	N
ERPU2	*Erigeron pumilus*	FO	N
ERCA8	*Eriogonum caespitosa*	FO	N
HECO26	*Hesperostipa comata*	GR	N
JUOS	*Juniperus osteosperma*	TR	Y
KRLA2	*Krascheninnikovia lanata*	SH	N
LIPU11	*Linathus pungens*	FO	N
LILE3	*Linum lewesii*	FO	N
MACA2	*Macharanthera canescens*	FO	N
PAMU11	*Packera multilobata*	FO	N
PENST	*Penstemon sp.*	FO	N

PHHO	*Phlox hoodii*	FO	N
PIMO	*Pinus monophylla*	TR	Y
POSE	*Poa secunda*	GR	N
PSSP6	*Pseudoroegneria spicata*	GR	N
PUTR2	*Purshia tridentata*	SH	N
SANAC5	*Sambucus nigra ssp. Cerulea*	SH	N
SYOR2	*Symphoricarpus oreophilus*	SH	N
TECA3	*Tetradymia canescens*	SH	N

Lower East Bench Unit 9

NRCS Plant Code	**Scientific name**	**Lifeform** (**TR**ee, **FO**rb, **GR**ass-like)	**Dominance in veg. type for unit**
ACHY	*Achnatherum hymenoides*	GR	N
ALADE	*Alyssum desertorum*	FO	N
ARNO4	*Artemisia nova*	SH	Y
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH	Y
ASCA9	*Astragalus calycosus*	FO	N
ASNE6	*Astragalus newberryi*	FO	N
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO	N
BRTE	*Bromus tectorum*	GR	N
CHVI8	*Chrysothamnus viscidiflorus*	SH	N
COUM	*Commandra umbellatum*	FO	N
CRFL2	*Cryptantha flavaculata*	FO	N
DEAN	*Delphinium andersonii*	FO	N
ELEL5	*Elymus elymoides*	GR	N
ERNA10	*Ericameria nauseosa*	SH	N
ERPU2	*Erigeron pumilus*	FO	N
ERCA8	*Eriogonum caespitosa*	FO	N
HECO26	*Hesperostipa comata*	GR	N
JUOS	*Juniperus osteosperma*	TR	Y
KRLA2	*Krascheninnikovia lanata*	SH	N
LIPU11	*Linathus pungens*	FO	N
LILE3	*Linum lewisii*	FO	N
MACA2	*Macharanthera canescens*	FO	N
PAMU11	*Packera multilobata*	FO	N
PENST	*Penstemon* sp.	FO	N
PHHO	*Phlox hoodii*	FO	N
PIMO	*Pinus monophylla*	TR	Y
POSE	*Poa secunda*	GR	N
PSSP6	*Pseudoroegneria spicata*	GR	N
PUTR2	*Purshia tridentata*	SH	N

SANAC5	*Sambucus nigra* ssp. *cerulea*	SH	N
SYOR2	*Symphoricarpus oreophilus*	SH	N
TECA3	*Tetradymia canescens*	SH	N

East Sherman Unit 10

NRCS Plant Code	**Scientific name**	**Lifeform** (**TR**ee, **FO**rb, **GR**ass-like)	**Dominance in veg. type for unit**
ACHY	*Achnatherum hymenoides*	GR	N
ACTH7	*Acnatherum thurberianum*	GR	N
AMAL2	*Amelanchier alnifolia*	TR	N
ARAR8	*Artemisia arbuscula*	SH	N
ARLU	*Artemisia ludoviciana*	SH	N
ARNO4	*Artemisia nova*	SH	N
ARTRV	*Artemisia tridentata* ssp. *vasayana*	SH	Y
ARTRW8	*Artemisia tridentata* ssp. *wyomingenis*	SH	N
ASLE8	*Atragalus lentiginosus*	FO	N
BASA3	*Balsamorhiza sagittata*	FO	N
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO	N
BRIMIC	*Brickellia microphylla*	SH	N
BRIN2	*Bromus inermis*	GR	N
BRTE	*Bromus tectorum*	GR	N
CANU17	*Calochortus nuttalii*	GR	N
CAMI2	*Camelina microcarpa*	FO	N
CAAND	*Castilleja angustifolia* var. *dubia*	FO	N
CAAP4	*Castilleja applegatei*	FO	N
CALI4	*Castilleja linarifolia*	FO	N
CACR11	*Caulanthus crassicaulis*	FO	N
CEIN7	*Cercocarpus intricatus*	SH	N
CELE3	*Cercocarpus ledifolius*	SH	Y
CHDO	*Chaenactis douglasii*	FO	N
CHVI8	*Chrysothamnus viscidiflorus*	SH	N
CIUN	*Cirsium undulatum*	FO	N
COUM	*Commandra umbellata*	FO	N
CRAC2	*Crepis acuminata*	FO	N
CRFL2	*Cryptantha flavaculata*	FO	N
CRYPT	*Cryptantha* sp.	FO	N
DEAN	*Delphinium andersonii*	FO	N
DEINI2	*Descurainea incana var. incisa*	FO	N
DEPI	*Descurainea pinnata*	FO	N

ELEL5	*Elymus elymoides*	GR	N
ERMI4	*Eriogonum microthecum*	SH	N
ERUM	*Eriogonum umbellatum*	SH	N
FRSP	*Frasera speciosa*	FO	N
GALIUM	*Galium* sp.	SH	N
GUSA2	*Gutierrezia sarothrae*	SH	N
HAMI	*Hackelia micrantha*	FO	N
HEQU2	*Helianthella quinquenervis*	FO	N
HERU	*Heuchera rubescens*	FO	N
HODU	*Holodiscus dumosus*	SH	N
IPAG	*Ipomopsis aggregata*	FO	N
JUOS	*Juniperus osteosperma*	TR	Y
LASE	*Lactuca serriola*	FO	N
LECI4	*Leymus cinereus*	GR	Y
LIPU11	*Linanthus pungens*	SH	N
LILE3	*Linum lewisii*	FO	N
LIRU4	*Lithospermum ruderale*	FO	N
LOMAT	*Lomatium* sp.	FO	N
MACA2	*Machaeranthera cannescens*	FO	N
MAHRE11	*Mahonia repens*	FO	N
PAMU11	*Packera multilobata*	FO	N
PEDE4	*Penstemon deustus*	FO	N
PEPA8	*Penstemon palmeri*	FO	N
PENST	*Penstemon* sp.	FO	N
PEWA	*Penstemon watsonii*	FO	N
PEPU7	*Petradoria pumila*	FO	N
PECA12	*Petrophytum caespitosum*	FO	N
PHHA	*Phacelia hastata*	FO	N
PHCH	*Physaria chambersii*	FO	N
PIMO	*Pinus monophylla*	TR	Y
POSE	*Poa secunda*	GR	N
PRVIM	*Prunus virginiana* var. *melanocarpa*	TR	Y
PSSP6	*Pseudoroegneria spicata*	GR	N
PSJA2	*Psuedostellaria jamesiana*	FO	N
RICE	*Ribes cereum*	SH	N
SANIC	*Sambucus nigra* var. *cerulea*	SH	N
STPI	*Stanleya pinnata*	FO	N
STAC	*Stenotis acaulis*	FO	N
STCO6	*Streptanthus cordatus*	FO	N
SYOR2	*Symphoricarpus oreophilus*	SH	N
TRDU	*Tragopogon dubius*	FO	N
WYAM	*Wyethia amplexicaulis*	FO	N

USDA Forest Service
TES Plant Survey Field Form
(® = Required Fields)

General Information

1) SURVEY ID: ®041707OPS00005	**2) SURVEY NAME:** OVERLAND PASS – BIG WASH UNIT 5
3) SURVEY STATUS: ® COMPLETE	**4) SOURCE OF WORK**: CONTRACT
5) Survey Type: ® CURSORY	
6) Survey Focus: ® TERRESTRIAL	
7) Estimate of Survey Area Size (acres): ® 41.7 ACRES	
8) Elevation: Min: 6180 Max: 7080 Average: 6630	**9) Elevation UOM: Feet**

10) State: ®	11) County: ®	12) Region: ®	13) Forest: ®	14) District: ®
NV	**White Pine**	**04**	**17**	**D7-Ruby Mountains**

15) Parameters of Survey (*Describe any ecological parameters, criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, etc.):*

Surveys focused on higher elevation areas within treatments, rock outcrops, springs, and north facing slopes. These abiotic habitat features were the most likely characters to positively affect the presence of target species.

16) Survey Comments *(Directions, area description, specific comments by visit date, etc.):*

Located between Cherry Spring Canyon and Big Wash, west and northwest of Overland Pass in the southern Ruby Mountains of central Nevada. Survey area occurred on lower benches and washes of western mountain slopes occupied by Wyoming big and black sage shrublands with various stages of pinyon and juniper encroachment. Broad drainages at lower elevations were codominated by stands of basin big sagebrush and cheatgrass. Some of the eastern, higher elevation portions of the treatment area were dominated by antelope bitterbrush. Few rock outcrops, potential habitat for some target species were observed in the treatment area. The outcrops and surrounding area were examined. No target species were encountered. In general, target list species occurring in this region of Nevada occur at higher elevations or valley bottoms.

Survey Visits

Required. Enter a Date (MM/DD/YYYY) and Examiners for each visit made.

17) VISIT DATE ®	18) LAST NAME ® AND FIRST NAME OF EXAMINERS FOR EACH VISIT
07/1/2012	GUST, GREGORY

Target Species

Required. List all targeted plant species (TES, special forest products, or other species of concern) that are the focus of the survey. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

19) ® NRCS Plant Code	20) ® Scientific name	21) ® Suitable habitat found	22) ® Plant found	23) ® FS Site ID(s) for EOs (If EO forms completed)
ARFA2	*Boechera falcatoria* (Syn. *Arabis falcatoria*)	No	No	
BOAS2	*Botrychium ascendens*	No	No	
BOCR	*Botrychium crenulatum*	No	No	
BOLI7	*Botrychium lineare*	No	No	
DRPE3	*Draba pennellii*	No	No	

EPNE	*Epilobium nevadense*	No	No	
PRCA3	*Primula capillaris*	No	No	
SINA2	*Silene natchlingerae*	No	No	
SMHO	*Smelowskia holmgrenii* (Syn. *Nevada holmgrenii*)	No	No	

Species List of Surveyed Area

Optional. List other species found during the survey. Record the NRCS *PLANTS* Code, scientific name or both. Indicate habitat (locally defined), lifeform and cover abundance (all optional). Indicate non-native plants with "X"

24) Completeness of species list: Complete	**25) Cover Method** *(if cover recorded):*

26) Comments *(e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):*
The species included below is a comprehensive list of all taxa observed.

27) NRCS Plant Code	28) Scientific Name	29) Life Form	30) Habitat	31) % Cover or Class	32) Non-native
ACHY	*Achnatherum hymenoides*	GR			
ALDE	*Alyssum desertorum*	FO			*X*
AMAL2	*Amelanchier alnifolia*	TR			
ARNO4	*Artemisia nova*	SH			
ARTRT	*Artemisia tridentata* ssp. *tridentata*	SH			
ARTRV	*Artemisia tridentata* ssp. *vasayana*	SH			
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH			
ASER4	*Astragalus erimiticus*	FO			
ASLE8	*Atragalus lentiginosus*	FO			
ASTRA	*Atragalus* sp.	FO			
ATCA	*Atriplex confertifolia*	SH			
BASA3	*Balsamorhiza sagittata*	FO			
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO			
BRTE	*Bromus tectorum*	GR			*X*
CACR11	*Caulanthus crassicaulis*	FO			
CEIN7	*Cercocarpus intricatus*	SH			
CELE3	*Cercocarpus ledifolius*	SH			
CHVI8	*Chrysothamnus viscidiflorus*	SH			
COUM	*Commandra umbellata*	FO			
CRAC2	*Crepis acuminata*	FO			
CRFL2	*Cryptantha flavaculata*	FO			
DEAN	*Delphinium andersonii*	FO			
DEPI	*Descurainea pinnata*	FO			
ELEL5	*Elymus elymoides*	GR			
ERNA10	*Ericameria nauseosa*	SH			

ERCA8	*Eriogonum caespitosum*	FO			
EROV	*Eriogonum ovalifolium*	FO			
ERUM	*Eriogonum umbellatum*	SH			
IPCO5	*Ipomopsis congesta*	FO			
JUOS	*Juniperus osteosperma*	TR			
LECI4	*Leymus cinereus*	GR			
LIPU11	*Linanthus pungens*	SH			
LILE3	*Linum lewisii*	FO			
LIRU4	*Lithospermum ruderale*	FO			
MACA2	*Machaeranthera cannescens*	FO			
PAMU11	*Packera multilobata*	FO			
PENST	*Penstemon sp.*	FO			
PHHO	*Phlox hoodii*	FO			
PIMO	*Pinus monophylla*	TR			
POSE	*Poa secunda*	GR			
PUST	*Purshia stansburiana*	SH			
PUTR2	*Purshia tridentata*	SH			
SIAL2	*Sisymbrium altissimum*	FO			*X*
STAC	*Stenotis acaulis*	FO			
SYOR2	*Symphoricarpus oreophilus*	SH			
TEGL	*Tetradymia glabrata*	SH			

Optional Location Information

Location information to represent the survey area may be recorded,
in addition to entering the spatial feature in the application

33) USGS Quad Number:	**34) USGS Quad Name:**
35) Forest Quad Number:	**36) Forest Quad Name:**

37) Legal Description: Required where public land survey is available.

Meridian: **Township and Range:**

Section:__ **Q Sec:___** **QQ Sec: ____** **QQQ Sec: ____** **QQQQ Sec: ____**

38) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)

Geodetic Datum:

Latitude: **Degrees __ __ N** **Minutes** **Seconds __ __.__ __**

Longitude: **Degrees __ __ __ W** **Minutes** **Seconds __ __.__ __**

GPS Datum:

GPS Lat. Dec. Degrees: **GPS Long. Dec. Degrees:**

39) UTM

UTM Datum: NAD83 **UTM Zone: 11T**

Easting: _614924_ __ __ __ __ __ **Northing:** _4432134_ __ __ __ __ __

40) GPS Unit Used: Manufacturer: Garmin	**Model: Etrex Legend**

41) Metes and Bounds:

42) Directions to Survey Area

See “Special Status Plant Survey Report for Overland Pass/Big Wash Restoration Project” for maps and additional information.

43) Sketch of Survey Area

USDA Forest Service
TES Plant Survey Field Form
(® = Required Fields)

General Information

1) SURVEY ID: ®041707OPS00006	**2) SURVEY NAME:** OVERLAND PASS – CRACKER JOHNSON UNIT 6
3) SURVEY STATUS: ® COMPLETE	**4) SOURCE OF WORK**: CONTRACT
5) Survey Type: ® CURSORY	
6) Survey Focus: ® TERRESTRIAL	
7) Estimate of Survey Area Size (acres): ® 21.5 ACRES	
8) Elevation: Min: 6420 Max: 7240 Average: 6830	**9) Elevation UOM: Feet**

10) State: ®	11) County: ®	12) Region: ®	13) Forest: ®	14) District: ®
NV	**White Pine**	**04**	**17**	**D7-Ruby Mountains**

15) Parameters of Survey (*Describe any ecological parameters, criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, etc.):*

Surveys focused on higher elevation areas within treatments, rock outcrops, springs, and north facing slopes. These abiotic habitat features were the most likely characters to positively affect the presence of target species.

16) Survey Comments *(Directions, area description, specific comments by visit date, etc.):*

Located between Big Wash to the north and Bald Mountain to the southeast, Cracker Johnson is southwest of Overland Pass in the southern Ruby Mountains of central Nevada. Survey area occurred on western and northwestern mountain slopes occupied by Wyoming big and mountain sagebrush shrublands with various stages of pinyon and juniper encroachment. Few rock outcrops, potential habitat for some target species were observed in the treatment area. The outcrops and surrounding area were examined. No target species were encountered. Cracker Johnson Spring 2, which has high livestock use, was surveyed extensively for Botrychium spp., but none were found. In general, target list species occurring in this region of Nevada occur at higher elevations or valley bottoms.

Survey Visits

Required. Enter a Date (MM/DD/YYYY) and Examiners for each visit made.

17) VISIT DATE ®	18) LAST NAME ® AND FIRST NAME OF EXAMINERS FOR EACH VISIT
07/2/2012	GUST, GREGORY

Target Species

Required. List all targeted plant species (TES, special forest products, or other species of concern) that are the focus of the survey. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

19) ® NRCS Plant Code	20) ® Scientific name	21) ® Suitable habitat found	22) ® Plant found	23) ® FS Site ID(s) for EOs (If EO forms completed)
ARFA2	*Boechera falcatoria* (Syn. *Arabis falcatoria*)	No	No	
BOAS2	*Botrychium ascendens*	No	No	
BOCR	*Botrychium crenulatum*	No	No	
BOLI7	*Botrychium lineare*	No	No	
DRPE3	*Draba pennellii*	No	No	

EPNE	*Epilobium nevadense*	No	No	
PRCA3	*Primula capillaris*	No	No	
SINA2	*Silene natchlingerae*	No	No	
SMHO	*Smelowskia holmgrenii* (Syn. *Nevada holmgrenii*)	No	No	

Species List of Surveyed Area

Optional. List other species found during the survey. Record the NRCS *PLANTS* Code, scientific name or both. Indicate habitat (locally defined), lifeform and cover abundance (all optional). Indicate non-native plants with "X"

24) Completeness of species list: Complete	**25) Cover Method** *(if cover recorded):*

26) Comments *(e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):*
The species included below is a comprehensive list of all taxa observed.

27) NRCS Plant Code	**28) Scientific Name**	**29) Life Form**	**30) Habitat**	**31) % Cover or Class**	**32) Non-native**
ACHY	*Achnatherum hymenoides*	GR			
ARTRV	*Artemisia tridentata* ssp. *vasayana*	SH			
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH			
BASA3	*Balsamorhiza sagittata*	FO			
BRTE	*Bromus tectorum*	GR			*X*
CALI4	*Castilleja lineariifolia*	FO			
CHVI8	*Chrysothamnus viscidiflorus*	SH			
COUM	*Commandra umbellata*	FO			
CRAC2	*Crepis acuminata*	FO			
CRFL2	*Cryptantha flavaculata*	FO			
DESO2	*Descurainea sophia*	FO			
ELEL5	*Elymus elymoides*	GR			
IVAX	*Iva axillaris*	FO			
JUOS	*Juniperus osteosperma*	TR			
LILE3	*Linum lewisii*	FO			
LIRU4	*Lithospermum ruderale*	FO			
OECA10	*Oenothera caespitosum*	FO			
PHHO	*Phlox hoodii*	FO			
PIMO	*Pinus monophylla*	TR			
PLSP7	*Pleiacanthus spinosus*	SH			
POSE	*Poa secunda*	GR			
PUTR2	*Purshia tridentata*	SH			
RACY	*Ranunculus cymbalaria*	FO			
ROWO	*Rosa woodsii*	SH			
STAC	*Stenotis acaulis*	FO			

TEGL	*Tetradymia glabrata*	SH			

Optional Location Information

Location information to represent the survey area may be recorded,
in addition to entering the spatial feature in the application

33) USGS Quad Number:	**34) USGS Quad Name:**
35) Forest Quad Number:	**36) Forest Quad Name:**

37) Legal Description: Required where public land survey is available.

Meridian: **Township and Range:**

Section:__ **Q Sec:___** **QQ Sec: ____** **QQQ Sec: ____** **QQQQ Sec: ____**

38) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)

Geodetic Datum:

Latitude: **Degrees __ __ N** **Minutes** **Seconds __ __.__ __**

Longitude: **Degrees __ __ __ W** **Minutes** **Seconds __ __.__ __**

GPS Datum:

GPS Lat. Dec. Degrees: **GPS Long. Dec. Degrees:**

39) UTM

UTM Datum: NAD83 **UTM Zone:** 11S

Easting: _619415 **Northing:** _4427824_ __ __ __ __ __

40) GPS Unit Used: Manufacturer:	**Model:**

41) Metes and Bounds:

42) Directions to Survey Area

See “Special Status Plant Survey Report for Overland Pass/Big Wash Restoration Project” for maps and additional information.

43) Sketch of Survey Area

USDA Forest Service
TES Plant Survey Field Form
(® = Required Fields)

General Information

1) SURVEY ID: ®041707OPS00008	**2) SURVEY NAME:** OVERLAND PASS – EAST BENCH UNIT 8
3) SURVEY STATUS: ® COMPLETE	**4) SOURCE OF WORK**: CONTRACT
5) Survey Type: ® CURSORY	
6) Survey Focus: ® TERRESTRIAL	
7) Estimate of Survey Area Size (acres): ® 28.0 ACRES	
8) Elevation: Min: 6000 Max: 6500 Average: 6250	**9) Elevation UOM: Feet**

10) State: ®	11) County: ®	12) Region: ®	13) Forest: ®	14) District: ®
NV	**White Pine**	**04**	**17**	**D7-Ruby Mountains**

15) Parameters of Survey (*Describe any ecological parameters, criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, etc.):*

Surveys focused on higher elevation areas within treatment, rock outcrops, springs, and north facing slopes. These abiotic habitat features were the most likely characters to positively affect the presence of target species.

16) Survey Comments *(Directions, area description, specific comments by visit date, etc.):*

The treatment area is located in the saddle of Overland Pass in the southern Ruby Mountains of central Nevada. Survey area occurs on lower benches of mountain slopes occupied by homogenous vegetation communities of black sagebrush and Wyoming big sagebrush shrublands with various stages of pinyon and juniper encroachment. Rock out crops or wetland/riparian areas that could be habitat were not present. In general, target list species occurring in this region of Nevada occur at higher elevations or valley bottoms.

Survey Visits

Required. Enter a Date (MM/DD/YYYY) and Examiners for each visit made.

17) VISIT DATE ®	18) LAST NAME ® AND FIRST NAME OF EXAMINERS FOR EACH VISIT
07/5/2012	THOMPSON, JULIE
07/6/2012	THOMPSON, JULIE

Target Species

Required. List all targeted plant species (TES, special forest products, or other species of concern) that are the focus of the survey. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

19) ® NRCS Plant Code	20) ® Scientific name	21) ® Suitable habitat found	22) ® Plant found	23) ® FS Site ID(s) for EOs (If EO forms completed)
ARFA2	*Boechera falcatoria* (Syn. *Arabis falcatoria*)	No	No	
BOAS2	*Botrychium ascendens*	No	No	
BOCR	*Botrychium crenulatum*	No	No	
BOLI7	*Botrychium lineare*	No	No	
DRPE3	*Draba pennellii*	No	No	
EPNE	*Epilobium nevadense*	No	No	

PRCA3	*Primula capillaris*	No	No	
SINA2	*Silene natchlingerae*	No	No	
SMHO	*Smelowskia holmgrenii* (Syn. *Nevada holmgrenii*)	No	No	

Species List of Surveyed Area

Optional. List other species found during the survey. Record the NRCS *PLANTS* Code, scientific name or both. Indicate habitat (locally defined), lifeform and cover abundance (all optional). Indicate non-native plants with "X"

24) Completeness of species list: Complete	**25) Cover Method** *(if cover recorded):*

26) Comments *(e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):*
The species included below is a comprehensive list of all taxa observed.

27) NRCS Plant Code	28) Scientific Name	29) Life Form	30) Habitat	31) % Cover or Class	32) Non-native
ACHY	*Achnatherum hymenoides*	GR			
ALDE	*Alyssum desertorum*	FO			*X*
ARNO4	*Artemisia nova*	SH			
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH			
ASCA9	*Astragalus calycosus*	FO			
ASNE6	*Astragalus newberryi*	FO			
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO			
BRTE	*Bromus tectorum*	GR			*X*
CHVI8	*Chrysothamnus viscidiflorus*	SH			
COUM	*Commandra umbellatum*	FO			
CRFL2	*Cryptantha flavaculata*	FO			
DEAN	Delphinium andersonii	FO			
ELEL5	*Elymus elymoides*	GR			
ERNA10	*Ericameria nauseosa*	SH			
ERPU2	*Erigeron pumilus*	FO			
ERCA8	*Eriogonum caespitosa*	FO			
HECO26	*Hesperostipa comata*	GR			
JUOS	*Juniperus osteosperma*	TR			
KRLA2	*Krascheninnikovia lanata*	SH			
LIPU11	*Linathus pungens*	FO			
LILE3	*Linum lewesii*	FO			
MACA2	*Macharanthera canescens*	FO			
PAMU11	*Packera multilobata*	FO			
PENST	*Penstemon sp.*	FO			
PHHO	*Phlox hoodii*	FO			
PIMO	*Pinus monophylla*	TR			
POSE	*Poa secunda*	GR			

PSSP6	*Pseudoroegneria spicata*	GR			
PUTR2	*Purshia tridentata*	SH			
SANAC5	*Sambucus nigra ssp. Cerulea*	SH			
SYOR2	*Symphoricarpus oreophilus*	SH			
TECA3	*Tetradymia canescens*	SH			

Optional Location Information

Location information to represent the survey area may be recorded,
in addition to entering the spatial feature in the application

33) USGS Quad Number:	**34) USGS Quad Name:**
35) Forest Quad Number:	**36) Forest Quad Name:**

37) Legal Description: Required where public land survey is available.

Meridian: **Township and Range:**

Section:__ **Q Sec:___** **QQ Sec: ____** **QQQ Sec: ____** **QQQQ Sec: ____**

38) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)

Geodetic Datum:

Latitude: **Degrees __ __ N** **Minutes** **Seconds __ __.__ __**

Longitude: **Degrees __ __ __ W** **Minutes** **Seconds __ __.__ __**

GPS Datum:

GPS Lat. Dec. Degrees: **GPS Long. Dec. Degrees:**

39) UTM

UTM Datum: NAD83 **UTM Zone:** 11T

Easting: 624408.00 **Northing:** 4439683.00

40) GPS Unit Used: Manufacturer: Garmin	**Model: Etrex**

41) Metes and Bounds:

42) Directions to Survey Area

See “Special Status Plant Survey Report for Overland Pass/Big Wash Restoration Project” for maps and additional information.

43) Sketch of Survey Area

USDA Forest Service
TES Plant Survey Field Form
(® = Required Fields)

General Information

1) SURVEY ID: ®041707OPS00010	**2) SURVEY NAME:** OVERLAND PASS – EAST SHERMAN UNIT 10
3) SURVEY STATUS: ® COMPLETE	**4) SOURCE OF WORK**: CONTRACT
5) Survey Type: ® CURSORY	
6) Survey Focus: ® TERRESTRIAL	
7) Estimate of Survey Area Size (acres): ® 21.1 ACRES	
8) Elevation: Min: 6650 Max: 8850 Average: 7750	**9) Elevation UOM: Feet**

10) State: ®	11) County: ®	12) Region: ®	13) Forest: ®	14) District: ®
NV	**White Pine**	**04**	**17**	**D7-Ruby Mountains**

15) Parameters of Survey (*Describe any ecological parameters, criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, etc.):*

Within the treatment area, surveys focused on rock outcrops, springs, and north facing slopes. These abiotic habitat features were the most likely characters to positively affect the presence of target species.

16) Survey Comments *(Directions, area description, specific comments by visit date, etc.):*

The treatment area is located at relatively high elevation on the east slope of the southern Ruby Mountains of central Nevada. Its southeastern edge begins approximately 1.2mi by air southwest of Banana Pond. The northeastern corner of the area begins approximately 0.4mi by air west of the campground that is just to the northwest of County Line Pond. Survey area has steep slopes, some in excess of 30˚. Lower elevation portions are dominated by pinyon-juniper woodlands. Higher elevation shoulders are dominated by curl leaf mountain mahogany. Mountain sagebrush shrublands with high forb diversity also dominate much of the higher elevation slopes. Two avalanche shoots are dominated by black chokecherry. Rock outcrops are common throughout the area. Many outcrops and there surrounding areas were surveyed, but no target species were encountered.

Survey Visits

Required. Enter a Date (MM/DD/YYYY) and Examiners for each visit made.

17) VISIT DATE ®	18) LAST NAME ® AND FIRST NAME OF EXAMINERS FOR EACH VISIT
07/5/2012	GUST, GREGORY
07/6/2012	GUST, GREGORY

Target Species

Required. List all targeted plant species (TES, special forest products, or other species of concern) that are the focus of the survey. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

19) ® NRCS Plant Code	20) ® Scientific name	21) ® Suitable habitat found	22) ® Plant found	23) ® FS Site ID(s) for EOs (If EO forms completed)
ARFA2	*Boechera falcatoria* (Syn. *Arabis falcatoria*)	No	No	
BOAS2	*Botrychium ascendens*	No	No	
BOCR	*Botrychium crenulatum*	No	No	
BOLI7	*Botrychium lineare*	No	No	

DRPE3	*Draba pennellii*	No	No	
EPNE	*Epilobium nevadense*	No	No	
PRCA3	*Primula capillaris*	No	No	
SINA2	*Silene natchlingerae*	No	No	
SMHO	*Smelowskia holmgrenii* (Syn. *Nevada holmgrenii*)	No	No	

Species List of Surveyed Area

Optional. List other species found during the survey. Record the NRCS *PLANTS* Code, scientific name or both. Indicate habitat (locally defined), lifeform and cover abundance (all optional). Indicate non-native plants with "X"

24) Completeness of species list: Complete | **25) Cover Method** *(if cover recorded):*

26) Comments *(e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):*
The species included below is a comprehensive list of all taxa observed.

27) NRCS Plant Code	28) Scientific Name	29) Life Form	30) Habitat	31) % Cover or Class	32) Non-native
ACHY	*Achnatherum hymenoides*	GR			
ACTH7	*Acnatherum thurberianum*	GR			
AMAL2	*Amelanchier alnifolia*	TR			
ARAR8	*Artemisia arbuscula*	SH			
ARLU	*Artemisia ludoviciana*	SH			
ARNO4	*Artemisia nova*	SH			
ARTRV	*Artemisia tridentata* ssp. *vasayana*	SH			
ARTRW8	*Artemisia tridentata* ssp. *wyomingenis*	SH			
ASLE8	*Atragalus lentiginosus*	FO			
BASA3	*Balsamorhiza sagittata*	FO			
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO			
BRIMIC	*Brickellia microphylla*	SH			
BRIN2	*Bromus inermis*	GR			
BRTE	*Bromus tectorum*	GR			*X*
CANU17	*Calochortus nuttalii*	GR			
CAMI2	*Camelina microcarpa*	FO			*X*
CAAND	*Castilleja angustifolia* var. *dubia*	FO			
CAAP4	*Castilleja applegatei*	FO			
CALI4	*Castilleja linarifolia*	FO			
CACR11	*Caulanthus crassicaulis*	FO			
CEIN7	*Cercocarpus intricatus*	SH			
CELE3	*Cercocarpus ledifolius*	SH			
CHDO	*Chaenactis douglasii*	FO			
CHVI8	*Chrysothamnus viscidiflorus*	SH			
CIUN	*Cirsium undulatum*	FO			

COUM	*Commandra umbellata*	FO			
CRAC2	*Crepis acuminata*	FO			
CRFL2	*Cryptantha flavaculata*	FO			
CRYPT	*Cryptantha* sp.	FO			
DEAN	*Delphinium andersonii*	FO			
DEINI2	*Descurainea incana var. incisa*	FO			
DEPI	*Descurainea pinnata*	FO			
ELEL5	*Elymus elymoides*	GR			
ERMI4	*Eriogonum microthecum*	SH			
ERUM	*Eriogonum umbellatum*	SH			
FRSP	*Frasera speciosa*	FO			
GALIUM	*Galium* sp.	SH			
GUSA2	*Gutierrezia sarothrae*	SH			
HAMI	*Hackelia micrantha*	FO			
HEQU2	*Helianthella quinquenervis*	FO			
HERU	*Heuchera rubescens*	FO			
HODU	*Holodiscus dumosus*	SH			
IPAG	*Ipomopsis aggregata*	FO			
JUOS	*Juniperus osteosperma*	TR			
LASE	*Lactuca serriola*	FO			
LECI4	*Leymus cinereus*	GR			
LIPU11	*Linanthus pungens*	SH			
LILE3	*Linum lewisii*	FO			
LIRU4	*Lithospermum ruderale*	FO			
LOMAT	*Lomatium* sp.	FO			
MACA2	*Machaeranthera cannescens*	FO			
MAHRE11	*Mahonia repens*	FO			
PAMU11	*Packera multilobata*	FO			
PEDE4	*Penstemon deustus*	FO			
PEPA8	*Penstemon palmeri*	FO			
PENST	*Penstemon* sp.	FO			
PEWA	*Penstemon watsonii*	FO			
PEPU7	*Petradoria pumila*	FO			
PECA12	*Petrophytum caespitosum*	FO			
PHHA	*Phacelia hastata*	FO			
PHCH	*Physaria chambersii*	FO			

PIMO	*Pinus monophylla*	TR			
POSE	*Poa secunda*	GR			
PRVIM	*Prunus virginiana* var. *melanocarpa*	TR			
PSSP6	*Pseudoroegneria spicata*	GR			
PSJA2	*Psuedostellaria jamesiana*	FO			
RICE	*Ribes cereum*	SH			
SANIC	*Sambucus nigra* var. *cerulea*	SH			
STPI	*Stanleya pinnata*	FO			
STAC	*Stenotis acaulis*	FO			
STCO6	*Streptanthus cordatus*	FO			
SYOR2	*Symphoricarpus oreophilus*	SH			
TRDU	*Tragopogon dubius*	FO			
WYAM	*Wyethia amplexicaulis*	FO			

Optional Location Information

Location information to represent the survey area may be recorded,
in addition to entering the spatial feature in the application

33) USGS Quad Number:	**34) USGS Quad Name:**
35) Forest Quad Number:	**36) Forest Quad Name:**

37) Legal Description: Required where public land survey is available.

Meridian: **Township and Range:**

Section:__ **Q Sec:___** **QQ Sec: ____** **QQQ Sec: ____** **QQQQ Sec: ____**

38) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)

Geodetic Datum:

Latitude: **Degrees __ __ N** **Minutes** **Seconds __ __.__ __**

Longitude: **Degrees __ __ __ W** **Minutes** **Seconds __ __.__ __**

GPS Datum:

GPS Lat. Dec. Degrees: **GPS Long. Dec. Degrees:**

39) UTM

UTM Datum: NAD83 **UTM Zone:** 11T

Easting: 622938.00 **Northing:** 4442136.00

40) GPS Unit Used: Manufacturer: Garmin	**Model: Etrex Legend**

41) Metes and Bounds:

42) Directions to Survey Area

See “Special Status Plant Survey Report for Overland Pass/Big Wash Restoration Project” for maps and additional information.

43) Sketch of Survey Area

USDA Forest Service
TES Plant Survey Field Form
(® = Required Fields)

General Information

1) SURVEY ID: ®041707OPS00009	**2) SURVEY NAME:** OVERLAND PASS – LOWER EAST BENCH UNIT 9
3) SURVEY STATUS: ® COMPLETE	**4) SOURCE OF WORK**: CONTRACT
5) Survey Type: ® CURSORY	
6) Survey Focus: ® TERRESTRIAL	
7) Estimate of Survey Area Size (acres): ® 4.3 ACRES	
8) Elevation: Min: 6000 Max: 6400 Average: 6200	**9) Elevation UOM: Feet**

10) State: ®	11) County: ®	12) Region: ®	13) Forest: ®	14) District: ®
NV	**White Pine**	**04**	**17**	**D7-Ruby Mountains**

15) Parameters of Survey (*Describe any ecological parameters, criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, etc.):*

Surveys focused on higher elevation areas within treatment, rock outcrops, springs, and north facing slopes. These abiotic habitat features were the most likely characters to positively affect the presence of target species.

16) Survey Comments *(Directions, area description, specific comments by visit date, etc.):*

The treatment area is located on the east slope of the southern Ruby Mountains of central Nevada. Its southeastern edge begins at the intersection of Overland Rd (Hastings Cutoff) and Ruby Marsh Rd (Co Hwy 788). It continues northward to just northwest of Fort Ruby Spring. Survey area occurs on lower benches of mountain slopes occupied by homogenous vegetation communities of black sagebrush and Wyoming big sagebrush shrublands with various stages of pinyon and juniper encroachment. Rock outcrops or wetland/riparian areas that could be habitat were not present. In general, target list species occurring in this region of Nevada occur at higher elevations or valley bottoms.

Survey Visits

Required. Enter a Date (MM/DD/YYYY) and Examiners for each visit made.

17) VISIT DATE ®	18) LAST NAME ® AND FIRST NAME OF EXAMINERS FOR EACH VISIT
07/6/2012	THOMPSON, JULIE

Target Species

Required. List all targeted plant species (TES, special forest products, or other species of concern) that are the focus of the survey. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

19) ® NRCS Plant Code	20) ® Scientific name	21) ® Suitable habitat found	22) ® Plant found	23) ® FS Site ID(s) for EOs (If EO forms completed)
ARFA2	*Boechera falcatoria* (Syn. *Arabis falcatoria*)	No	No	
BOAS2	*Botrychium ascendens*	No	No	
BOCR	*Botrychium crenulatum*	No	No	
BOLI7	*Botrychium lineare*	No	No	
DRPE3	*Draba pennellii*	No	No	
EPNE	*Epilobium nevadense*	No	No	

PRCA3	*Primula capillaris*	No	No	
SINA2	*Silene natchlingerae*	No	No	
SMHO	*Smelowskia holmgrenii* (Syn. *Nevada holmgrenii*)	No	No	

Species List of Surveyed Area

Optional. List other species found during the survey. Record the NRCS *PLANTS* Code, scientific name or both. Indicate habitat (locally defined), lifeform and cover abundance (all optional). Indicate non-native plants with "X"

24) Completeness of species list: Complete	**25) Cover Method** *(if cover recorded):*

26) Comments *(e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):*
The species included below is a comprehensive list of all taxa observed.

27) NRCS Plant Code	28) Scientific Name	29) Life Form	30) Habitat	31) % Cover or Class	32) Non-native
ACHY	*Achnatherum hymenoides*	GR			
ALADE	*Alyssum desertorum*	FO			*X*
ARNO4	*Artemisia nova*	SH			
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH			
ASCA9	*Astragalus calycosus*	FO			
ASNE6	*Astragalus newberryi*	FO			
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO			
BRTE	*Bromus tectorum*	GR			*X*
CHVI8	*Chrysothamnus viscidiflorus*	SH			
COUM	*Commandra umbellatum*	FO			
CRFL2	*Cryptantha flavaculata*	FO			
DEAN	*Delphinium andersonii*	FO			
ELEL5	*Elymus elymoides*	GR			
ERNA10	*Ericameria nauseosa*	SH			
ERPU2	*Erigeron pumilus*	FO			
ERCA8	*Eriogonum caespitosa*	FO			
HECO26	*Hesperostipa comata*	GR			
JUOS	*Juniperus osteosperma*	TR			
KRLA2	*Krascheninnikovia lanata*	SH			
LIPU11	*Linathus pungens*	FO			
LILE3	*Linum lewisii*	FO			
MACA2	*Macharanthera canescens*	FO			
PAMU11	*Packera multilobata*	FO			
PENST	*Penstemon* sp.	FO			
PHHO	*Phlox hoodii*	FO			
PIMO	*Pinus monophylla*	TR			

POSE	*Poa secunda*	GR			
PSSP6	*Pseudoroegneria spicata*	GR			
PUTR2	*Purshia tridentata*	SH			
SANAC5	*Sambucus nigra* ssp. *cerulea*	SH			
SYOR2	*Symphoricarpus oreophilus*	SH			
TECA3	*Tetradymia canescens*	SH			

Optional Location Information

Location information to represent the survey area may be recorded,
in addition to entering the spatial feature in the application

33) USGS Quad Number:	**34) USGS Quad Name:**
35) Forest Quad Number:	**36) Forest Quad Name:**

37) Legal Description: Required where public land survey is available.

Meridian: **Township and Range:**

Section:__ **Q Sec:**___ **QQ Sec:** ____ **QQQ Sec:** ____ **QQQQ Sec:** ____

38) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)

Geodetic Datum:

Latitude: **Degrees** __ __ **N** **Minutes** **Seconds** __ __.__ __

Longitude: **Degrees** __ __ __ **W** **Minutes** **Seconds** __ __.__ __

GPS Datum:

GPS Lat. Dec. Degrees: **GPS Long. Dec. Degrees:**

39) UTM

UTM Datum: NAD83 **UTM Zone:** 11T

Easting: 624920.00 **Northing:** 4433034.00

40) GPS Unit Used: Manufacturer: Garmin	**Model: Etrex**

41) Metes and Bounds:

42) Directions to Survey Area

See “Special Status Plant Survey Report for Overland Pass/Big Wash Restoration Project” for maps and additional information.

43) Sketch of Survey Area

USDA Forest Service
TES Plant Survey Field Form
(® = Required Fields)

General Information

1) SURVEY ID: ®041707OPS00004	**2) SURVEY NAME:** OVERLAND PASS – NORTH CHERRY UNIT 4
3) SURVEY STATUS: ® COMPLETE	**4) SOURCE OF WORK**: CONTRACT
5) Survey Type: ® CURSORY	
6) Survey Focus: ® TERRESTRIAL	
7) Estimate of Survey Area Size (acres): ® 32.7 ACRES	
8) Elevation: Min: 6220 Max: 7100 Average: 6725	**9) Elevation UOM: Feet**

10) State: ®	11) County: ®	12) Region: ®	13) Forest: ®	14) District: ®
NV	**White Pine**	**04**	**17**	**D7-Ruby Mountains**

15) Parameters of Survey (*Describe any ecological parameters, criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, etc.):*

Surveys focused on higher elevation areas within treatments, rock outcrops, springs, and north facing slopes. These abiotic habitat features were the most likely characters to positively affect the presence of target species.

16) Survey Comments *(Directions, area description, specific comments by visit date, etc.):*

Located between Walker Canyon and Cherry Spring Canyon, northwest of Overland Pass in the southern Ruby Mountains of central Nevada. Survey area occurred on lower benches and washes of western mountain slopes occupied by Wyoming big sagebrush shrublands and various stages of pinyon and juniper encroachment. Few rock outcrops, potential habitat for some target species were observed in the treatment area. The outcrops and surrounding area were examined. No target species were encountered. In general, target list species occurring in this region of Nevada occur at higher elevations or valley bottoms.

Survey Visits

Required. Enter a Date (MM/DD/YYYY) and Examiners for each visit made.

17) VISIT DATE ®	18) LAST NAME ® AND FIRST NAME OF EXAMINERS FOR EACH VISIT
06/28/2012	GUST, GREGORY

Target Species

Required. List all targeted plant species (TES, special forest products, or other species of concern) that are the focus of the survey. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

19) ® NRCS Plant Code	20) ® Scientific name	21) ® Suitable habitat found	22) ® Plant found	23) ® FS Site ID(s) for EOs (If EO forms completed)
ARFA2	*Boechera falcatoria* (Syn. *Arabis falcatoria*)	No	No	
BOAS2	*Botrychium ascendens*	No	No	
BOCR	*Botrychium crenulatum*	No	No	
BOLI7	*Botrychium lineare*	No	No	
DRPE3	*Draba pennellii*	No	No	
EPNE	*Epilobium nevadense*	No	No	

PRCA3	*Primula capillaris*	No	No	
SINA2	*Silene natchlingerae*	No	No	
SMHO	*Smelowskia holmgrenii* (Syn. *Nevada holmgrenii*)	No	No	

Species List of Surveyed Area

Optional. List other species found during the survey. Record the NRCS *PLANTS* Code, scientific name or both. Indicate habitat (locally defined), lifeform and cover abundance (all optional). Indicate non-native plants with "X"

24) Completeness of species list: Complete	**25) Cover Method** *(if cover recorded):*

26) Comments *(e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):*
The species included below is a comprehensive list of all taxa observed.

27) NRCS Plant Code	**28) Scientific Name**	**29) Life Form**	**30) Habitat**	**31) % Cover or Class**	**32) Non-native**
ACHY	*Achnatherum hymenoides*	GR			
ALDE	*Alyssum desertorum*	FO			*X*
AMAL2	*Amelanchier alnifolia*	TR			
ARMU	*Argemone munita*	FO			
ARNO4	*Artemisia nova*	SH			
ARTRT	*Artemisia tridentata* ssp. *tridentata*	SH			
ARTRV	*Artemisia tridentata* ssp. *vasayana*	SH			
ARTRW8	*Artemisia trid*entata ssp. *wyomingensis*	SH			
ASCA9	*Astragalus calycosus*	FO			
ASER4	*Astragalus erimiticus*	FO			
ASLE8	*Atragalus lentiginosus*	FO			
BASA3	*Balsamorhiza sagittata*	FO			
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO			
BRTE	*Bromus tectorum*	GR			*X*
CANU17	*Calochortus nuttalii*	GR			
CACR11	*Caulanthus crassicaulis*	FO			
CEIN7	*Cercocarpus intricatus*	SH			
CHDO	*Chaenactis douglasii*	FO			
CHVI8	*Chrysothamnus viscidiflorus*	SH			
COUM	*Commandra umbellata*	FO			
CRAC2	*Crepis acuminata*	FO			
CRYPT	*Cryptantha* sp.	FO			
CRFL2	*Cryptantha flavaculata*	FO			
CRHU2	*Cryptantha humilis*	FO			
DEAN	*Delphinium andersonii*	FO			
DEPI	*Descurainea pinnata*	FO			

DESO2	*Descurainea sophia*	FO			
ELEL5	*Elymus elymoides*	GR			
ERCA8	*Eriogonum caespitosum*	FO			
ERUM	*Eriogonum umbellatum*	SH			
GALIU	*Galium* sp.	SH			
HEQU2	*Helianthella quinquenervis*	FO			
IVAX	*Iva axillaris*	FO			
JUOS	*Juniperus osteosperma*	TR			
LASE	*Lactuca serriola*	FO			
LECI4	*Leymus cinereus*	GR			
LILE3	*Linum lewisii*	FO			
LIRU4	*Lithospermum ruderale*	FO			
MAGRG	*Machaeranthera grindelioides var. grindelioides*	FO			
OECA10	*Oenothera caespitosum*	FO			
PAMU11	*Packera multilobata*	FO			
PEEA	*Penstemon eatonii*	FO			
PEPA8	*Penstemon palmeri*	FO			
PENST	*Penstemon sp.*	FO			
PHHO	*Phlox hoodii*	FO			
PHCH2	*Physaria chambersii*	FO			
PIMO	*Pinus monophylla*	TR			
PLSP7	*Pleiacanthus spinosus*	SH			
POSE	*Poa secunda*	GR			
PSSP6	*Pseudoroegneria spicata*	GR			
PUTR2	*Purshia tridentata*	SH			
RICE	*Ribes cereum*	SH			
SIAL2	*Sisymbrium altissimum*	FO			
STAC	*Stenotis acaulis*	FO			
SYOR2	*Symphoricarpus oreophilus*	SH			
TEGL	*Tetradymia glabrata*	SH			
TRDU	*Tragopogon dubius*	FO			*X*

Optional Location Information

Location information to represent the survey area may be recorded,
in addition to entering the spatial feature in the application

33) USGS Quad Number:	**34) USGS Quad Name:**
35) Forest Quad Number:	**36) Forest Quad Name:**

37) Legal Description: Required where public land survey is available.				
Meridian:	**Township and Range:**			
Section:__	**Q Sec:___**	**QQ Sec: ____**	**QQQ Sec: ____**	**QQQQ Sec: ____**

38) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)			
Geodetic Datum:			
Latitude:	**Degrees __ __ N**	**Minutes**	**Seconds __ __.__ __**
Longitude:	**Degrees __ __ __ W**	**Minutes**	**Seconds __ __.__ __**
GPS Datum:			
GPS Lat. Dec. Degrees:		**GPS Long. Dec. Degrees:**	

39) UTM	
UTM Datum: NAD83	**UTM Zone:** 11T
Easting: 615196	**Northing:** 4434979

40) GPS Unit Used: Manufacturer: Garmin	**Model: Etrex Legend**

41) Metes and Bounds:

42) Directions to Survey Area

See “Special Status Plant Survey Report for Overland Pass/Big Wash Restoration Project” for maps and additional information.

43) Sketch of Survey Area

USDA Forest Service
TES Plant Survey Field Form
(® = Required Fields)

General Information

1) SURVEY ID: ®041707OPS00007	**2) SURVEY NAME:** OVERLAND PASS – OVERLAND PASS UNIT 7
3) SURVEY STATUS: ® COMPLETE	**4) SOURCE OF WORK**: CONTRACT
5) Survey Type: ® CURSORY	
6) Survey Focus: ® TERRESTRIAL	
7) Estimate of Survey Area Size (acres): ® 21.5 ACRES	
8) Elevation: Min: 6320 Max: 7280 Average: 6800	**9) Elevation UOM: Feet**

10) State: ®	11) County: ®	12) Region: ®	13) Forest: ®	14) District: ®
NV	**White Pine**	**04**	**17**	**D7-Ruby Mountains**

15) Parameters of Survey (*Describe any ecological parameters, criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, etc.):*

Surveys focused on higher elevation areas within treatment, rock outcrops, springs, and north facing slopes. These abiotic habitat features were the most likely characters to positively affect the presence of target species.

16) Survey Comments *(Directions, area description, specific comments by visit date, etc.):*

The treatment area is located in the saddle of Overland Pass in the southern Ruby Mountains of central Nevada. Survey area occurred on mountain slopes occupied by Wyoming big and black sage shrublands with various stages of pinyon and juniper encroachment. Basin wildrye dominated the bottoms of a few broad drainages. Antelope bitterbrush dominated some areas in the northern part of the treatment. Cheatgrass dominated sections of a recently burned area in the north central portion of the treatment. Musk thistle (*Carduus nutans*) a Nevada Category B noxious weed, also occurred on the burn at UTM 11N E622144 N4431169. Many limestone rock outcrops were explored, potential habitat for some target species; however, no target species were encountered. In general, target list species occurring in this region of Nevada occur at higher elevations or valley bottoms.

Survey Visits

Required. Enter a Date (MM/DD/YYYY) and Examiners for each visit made.

17) VISIT DATE ®	18) LAST NAME ® AND FIRST NAME OF EXAMINERS FOR EACH VISIT
07/3/2012	GUST, GREGORY

Target Species

Required. List all targeted plant species (TES, special forest products, or other species of concern) that are the focus of the survey. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

19) ® NRCS Plant Code	20) ® Scientific name	21) ® Suitable habitat found	22) ® Plant found	23) ® FS Site ID(s) for EOs (If EO forms completed)
ARFA2	*Boechera falcatoria* (Syn. *Arabis falcatoria*)	No	No	
BOAS2	*Botrychium ascendens*	No	No	
BOCR	*Botrychium crenulatum*	No	No	
BOLI7	*Botrychium lineare*	No	No	

DRPE3	*Draba pennellii*	No	No	
EPNE	*Epilobium nevadense*	No	No	
PRCA3	*Primula capillaris*	No	No	
SINA2	*Silene natchlingerae*	No	No	
SMHO	*Smelowskia holmgrenii* (Syn. *Nevada holmgrenii*)	No	No	

Species List of Surveyed Area

Optional. List other species found during the survey. Record the NRCS *PLANTS* Code, scientific name or both. Indicate habitat (locally defined), lifeform and cover abundance (all optional). Indicate non-native plants with "X"

24) Completeness of species list: Complete	**25) Cover Method** *(if cover recorded):*

26) Comments *(e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):*
The species included below is a comprehensive list of all taxa observed.

27) NRCS Plant Code	**28) Scientific Name**	**29) Life Form**	**30) Habitat**	**31) % Cover or Class**	**32) Non-native**
ACMI2	*Achillea millifolium*	FO			
ACHY	*Achnatherum hymenoides*	GR			
AMAL2	*Amelanchier alnifolia*	TR			
ARNO4	*Artemisia nova*	SH			
ARTRT	*Artemisia tridentata* ssp. *tridentata*	SH			
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH			
ASER4	*Astragalus erimiticus*	FO			
ASTRA	*Atragalus* sp.	FO			
BASA3	*Balsamorhiza sagittata*	FO			
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO			
BROBL	*Brickellia oblongifolia* var. *linifolia*	SH			
BRTE	*Bromus tectorum*	GR			*X*
CANU4	***Carduus nutans***	FO			*X*
CALI4	*Castilleja lineariifolia*	FO			
CACR11	*Caulanthus crassicaulis*	FO			
CEIN7	*Cercocarpus intricatus*	SH			
CELE3	*Cercocarpus ledifolius*	SH			
CHDO	*Chaenactis douglasii*	FO			
CHVI8	*Chrysothamnus viscidiflorus*	SH			
COUM	*Commandra umbellata*	FO			
CRFL2	*Cryptantha flavaculata*	FO			
CRHU2	*Cryptantha humilis*	FO			
DEAN	*Delphinium andersonii*	FO			
DEPI	*Descurainea pinnata*	FO			

ELEL5	*Elymus elymoides*	GR			
ERNA7	*Ericameria nana*	SH			
ERINA10	*Ericameria nauseosa*	SH			
ERPU2	*Erigeron pumilus*	FO			
ERCA8	*Eriogonum caespitosum*	FO			
ERMI4	*Eriogonum microthecum*	SH			
ERUM	*Eriogonum umbellatum*	SH			
GUSA2	*Gutierrezia sarothrae*	SH			
HEQU2	*Helianthella quinquenervis*	FO			
IPCO5	*Ipomopsis congesta*	FO			
IVAX	*Iva axillaris*	FO			
IVSH	*Ivesia* cf *shockleyi*	FO			
JUOS	*Juniperus osteosperma*	TR			
LECI4	*Leymus cinereus*	GR			
LIPU11	*Linanthus pungens*	SH			
LILE3	*Linum lewisii*	FO			
LIRU4	*Lithospermum ruderale*	FO			
LONE	*Lomatium nevadense*	FO			
OPPOE	*Opuntia polyacantha* var. *erinacea*	SH			
PAMU11	*Packera multilobata*	FO			
PEDE4	*Penstemon deustus*	FO			
PENST	*Penstemon sp.*	FO			
PEPU7	*Petradoria pumila*	FO			
PECA12	*Petrophytum caespitosum*	FO			
PHHO	*Phlox hoodii*	FO			
PHCH2	*Physaria chambersii*	FO			
PIMO	*Pinus monophylla*	TR			
POSE	*Poa secunda*	GR			
PSSP6	*Pseudoroegneria spicata*	GR			
PUTR2	*Purshia tridentata*	SH			
SANIC	*Sambucus nigra* var. *cerulea*	SH			
SIAL2	*Sisymbrium altissimum*	FO			
SPPA2	*Sphaeralcea parvifolia*	FO			
STAC	*Stenotis acaulis*	FO			
SYOR2	*Symphoricarpus oreophilus*	SH			
TEGL	*Tetradymia glabrata*	SH			
WYAM	*Wyethia amplexicaulis*	FO			

Optional Location Information

Location information to represent the survey area may be recorded,
in addition to entering the spatial feature in the application

33) USGS Quad Number:	**34) USGS Quad Name:**
35) Forest Quad Number:	**36) Forest Quad Name:**

37) Legal Description: Required where public land survey is available.

Meridian: **Township and Range:**

Section:__ **Q Sec:**___ **QQ Sec:** ____ **QQQ Sec:** ____ **QQQQ Sec:** ____

38) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)

Geodetic Datum:

Latitude: **Degrees** __ __ **N** **Minutes** **Seconds** __ __.__ __

Longitude: **Degrees** __ __ __ **W** **Minutes** **Seconds** __ __.__ __

GPS Datum:

GPS Lat. Dec. Degrees: **GPS Long. Dec. Degrees:**

39) UTM

UTM Datum: NAD83 **UTM Zone:** 11T

Easting: __623720 __ __ __ __ __ **Northing:** __ 4430161__ __ __ __ __

40) GPS Unit Used: Manufacturer:	**Model:**

41) Metes and Bounds:

42) Directions to Survey Area

See "Special Status Plant Survey Report for Overland Pass/Big Wash Restoration Project" for maps and additional information.

43) Sketch of Survey Area

USDA Forest Service
TES Plant Survey Field Form
(® = Required Fields)

General Information

1) SURVEY ID: ®041707OPS00001	**2) SURVEY NAME:** OVERLAND PASS – SESTANOVICH UNIT 1
3) SURVEY STATUS: ® COMPLETE	**4) SOURCE OF WORK**: CONTRACT
5) Survey Type: ® CURSORY	
6) Survey Focus: ® TERRESTRIAL	
7) Estimate of Survey Area Size (acres): ® 9.6 ACRES	
8) Elevation: Min: 6180 Max: 6660 Average: 6420	**9) Elevation UOM: Feet**

10) State: ®	11) County: ®	12) Region: ®	13) Forest: ®	14) District: ®
NV	**White Pine**	**04**	**17**	**D7-Ruby Mountains**

15) Parameters of Survey (*Describe any ecological parameters, criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, etc.):*

Surveys focused on higher elevation areas within treatments, rock outcrops, springs, and north facing slopes. These abiotic habitat features were the most likely characters to positively affect the presence of target species.

16) Survey Comments *(Directions, area description, specific comments by visit date, etc.):*

Located in the Sestanovich watershed, northwest of Overland Pass in the southern Ruby Mountains of central Nevada. Survey area occurs on lower benches and washes of western mountain slopes occupied by Wyoming big sagebrush shrublands, mature pinyon-juniper woodlands, and various stages of pinyon and juniper encroachment. Rock outcrops, potential habitat for a few target species were not observed in the treatment area. A previously unmapped spring on the edge of the treatment area was located and comprehensively surveyed. No target species (*Botrychium* spp.) were observed at the spring. The spring's UTM coordinates are 11N E614355 N4441611. In general, other species on target list that occur in this region of Nevada occur at higher elevations or valley bottoms.

Survey Visits

Required. Enter a Date (MM/DD/YYYY) and Examiners for each visit made.

17) VISIT DATE ®	18) LAST NAME ® AND FIRST NAME OF EXAMINERS FOR EACH VISIT
06/26/2012	GUST, GREGORY

Target Species

Required. List all targeted plant species (TES, special forest products, or other species of concern) that are the focus of the survey. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

19) ® NRCS Plant Code	20) ® Scientific name	21) ® Suitable habitat found	22) ® Plant found	23) ® FS Site ID(s) for EOs (If EO forms completed)
ARFA2	*Boechera falcatoria* (Syn. *Arabis falcatoria*)	No	No	
BOAS2	*Botrychium ascendens*	Yes	No	
BOCR	*Botrychium crenulatum*	Yes	No	
BOLI7	*Botrychium lineare*	Yes	No	
DRPE3	*Draba pennellii*	No	No	
EPNE	*Epilobium nevadense*	No	No	
PRCA3	*Primula capillaris*	No	No	
SINA2	*Silene natchlingerae*	No	No	
SMHO	*Smelowskia holmgrenii* (Syn. *Nevada holmgrenii*)	No	No	

Species List of Surveyed Area

Optional. List other species found during the survey. Record the NRCS *PLANTS* Code, scientific name or both. Indicate habitat (locally defined), lifeform and cover abundance (all optional). Indicate non-native plants with "X"

24) Completeness of species list: Complete	**25) Cover Method** *(if cover recorded):*

26) Comments *(e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):*
The species included below is a comprehensive list of all taxa observed.

27) NRCS Plant Code	28) Scientific Name	29) Life Form	30) Habitat	31) % Cover or Class	32) Non-native
ACMI2	*Achillea millifolium*	FO			
ACHY	*Achnatherum hymenoides*	GR			
ACTH7	*Acnatherum thurberianum*	GR			
AGUR	*Agastache urticifolia*	FO			
AGCR	*Agropyron cristatum*	GR			*X*
ALDE	*Alyssum desertorum*	FO			*X*
AMAL2	*Amelanchier alnifolia*	TR			
ARLU	*Artemisia ludoviciana*	SH			
ARNO4	*Artemisia nova*	SH			
ARTRT	*Artemisia tridentata ssp. tridentata*	SH			
ARTRW8	*Artemisia tridentata ssp. wyomingensis*	SH			
ASER4	*Astragalus erimiticus*	FO			
ASTRA	*Astragalus sp.*	FO			
BASA3	*Balsamorhiza sagittata*	FO			
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO			
BRIN2	*Bromus inermis*	GR			*NI*
BRTE	*Bromus tectorum*	GR			*X*
CAREX	*Carex sp.*	GR			
CACR11	*Caulanthus crassicaulis*	FO			

CEIN7	*Cercocarpus intricatus*	SH			
CHVI8	*Chrysothamnus viscidiflorus*	SH			
CIUN	*Cirsium undulatum*	FO			
COUM	*Commandra umbellata*	FO			
CRFL2	*Cryptantha flavaculata*	FO			
DEAN	*Delphinium andersonii*	FO			
DEPI	*Descurainea pinnata*	FO			
DESO2	*Descurainea sophia*	FO			
ELEL5	*Elymus elymoides*	GR			
ERNA10	*Ericameria nauseosa*	SH			
ERCA8	*Eriogonum caespitosum*	FO			
ERUM	*Eriogonum umbellatum*	SH			
HAMI	*Hackelia micrantha*	FO			
HEQU2	*Helianthella quinquenervis*	FO			
HYPE	*Hypericum scouleri*	FO			
IPAG	*Ipomopsis aggregata*	FO			
IPCO5	*Ipomopsis congesta*	FO			
IVAX	*Iva axillaris*	FO			
JUNBAL	*Juncus balticus*	GR			
JUOS	*Juniperus osteosperma*	TR			
LECI4	*Leymus cinereus*	GR			
LIPU11	*Linanthus pungens*	SH			
LILE3	*Linum lewisii*	FO			
LIRU4	*Lithospermum ruderale*	FO			
MARE11	*Mahonia repens*	SH			
OECA10	*Oenothera caespitosum*	FO			
OPPOE	*Opuntia polyacantha var. erinacea*	SH			
PAMU11	*Packera multilobata*	FO			
PENST	*Penstemon sp.*	FO			
PEPU	*Petradoria pumila*	SH			
PHHO	*Phlox hoodii*	FO			
PHLO2	*Phlox longifolia*	FO			
PHCH2	*Physaria chambersii*	C			
PIMO	*Pinus monophylla*	TR			
POSE	*Poa secunda*	GR			
POTEN	*Potentilla gracilis* var. *flabelliformis*	FO			

PSSP6	*Pseudoroegneria spicata*	GR			
PUTR2	*Purshia tridentata*	SH			
RICE	*Ribes cereum*	SH			
ROWO	*Rosa woodsii*	SH			
SIAL2	*Sisymbrium altissimum*	FO			*X*
SYOR2	*Symphoricarpus oreophilus*	SH			
TRDU	*Tragopogon dubius*	FO			*X*

Optional Location Information

Location information to represent the survey area may be recorded,
in addition to entering the spatial feature in the application

33) USGS Quad Number:	**34) USGS Quad Name:**
35) Forest Quad Number:	**36) Forest Quad Name:**

37) Legal Description: Required where public land survey is available.

Meridian: **Township and Range:**

Section:__ **Q Sec:**___ **QQ Sec:** ____ **QQQ Sec:** ____ **QQQQ Sec:** ____

38) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)

Geodetic Datum:

Latitude: Degrees __ __ **N** **Minutes** **Seconds** __ __.__ __

Longitude: Degrees __ __ __ **W** **Minutes** **Seconds** __ __.__ __

GPS Datum:

GPS Lat. Dec. Degrees: **GPS Long. Dec. Degrees:**

39) UTM

UTM Datum: NAD83 **UTM Zone:** 11T

Easting: _612778_ __ __ __ __ __ **Northing:** _4441032_ __ __ __ __ __

40) GPS Unit Used: Manufacturer: Garmin	**Model: Etrex Legend**

41) Metes and Bounds:

42) Directions to Survey Area

See “Special Status Plant Survey Report for Overland Pass/Big Wash Restoration Project” for maps and additional information.

43) Sketch of Survey Area

USDA Forest Service
TES Plant Survey Field Form
(® = Required Fields)

General Information

1) SURVEY ID: ®041707OPS00003	**2) SURVEY NAME:** OVERLAND PASS – WALKER CANYON UNIT 3
3) SURVEY STATUS: ® COMPLETE	**4) SOURCE OF WORK**: CONTRACT
5) Survey Type: ® CURSORY	
6) Survey Focus: ® TERRESTRIAL	
7) Estimate of Survey Area Size (acres): ® 12.7 ACRES	
8) Elevation: Min: 6350 Max: 7100 Average: 6725	**9) Elevation UOM: Feet**

10) State: ®	11) County: ®	12) Region: ®	13) Forest: ®	14) District: ®
NV	**White Pine**	**04**	**17**	**D7-Ruby Mountains**

15) Parameters of Survey (*Describe any ecological parameters, criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, etc.):*

Surveys focused on higher elevation areas within treatments, rock outcrops, springs, and north facing slopes. These abiotic habitat features were the most likely characters to positively affect the presence of target species.

16) Survey Comments *(Directions, area description, specific comments by visit date, etc.):*

Located between Walker Canyon and Willow Creek, northwest of Overland Pass in the southern Ruby Mountains of central Nevada. Survey area occurred on lower benches and washes of western mountain slopes occupied by Wyoming big sagebrush shrublands, mature pinyon-juniper woodlands, and various stages of pinyon and juniper encroachment. Few rock outcrops, potential habitat for some target species were observed in the treatment area. The outcrops and surrounding area were examined. No target species were encountered. In general, target list species occurring in this region of Nevada occur at higher elevations or valley bottoms.

Survey Visits

Required. Enter a Date (MM/DD/YYYY) and Examiners for each visit made.

17) VISIT DATE ®	18) LAST NAME ® AND FIRST NAME OF EXAMINERS FOR EACH VISIT
06/27/2012	GUST, GREGORY
06/28/2012	GUST, GREGORY

Target Species

Required. List all targeted plant species (TES, special forest products, or other species of concern) that are the focus of the survey. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

19) ® NRCS Plant Code	20) ® Scientific name	21) ® Suitable habitat found	22) ® Plant found	23) ® FS Site ID(s) for EOs (If EO forms completed)
ARFA2	*Boechera falcatoria* (Syn. *Arabis falcatoria*)	No	No	
BOAS2	*Botrychium ascendens*	No	No	
BOCR	*Botrychium crenulatum*	No	No	
BOLI7	*Botrychium lineare*	No	No	
DRPE3	*Draba pennellii*	No	No	

EPNE	*Epilobium nevadense*	No	No	
PRCA3	*Primula capillaris*	No	No	
SINA2	*Silene natchlingerae*	No	No	
SMHO	*Smelowskia holmgrenii* (Syn. *Nevada holmgrenii*)	No	No	

Species List of Surveyed Area

Optional. List other species found during the survey. Record the NRCS *PLANTS* Code, scientific name or both. Indicate habitat (locally defined), lifeform and cover abundance (all optional). Indicate non-native plants with "X"

24) Completeness of species list: Complete	**25) Cover Method** *(if cover recorded):*

26) Comments *(e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):*
The species included below is a comprehensive list of all taxa observed.

27) NRCS Plant Code	28) Scientific Name	29) Life Form	30) Habitat	31) % Cover or Class	32) Non-native
ACHY	*Achnatherum hymenoides*	GR			
AGCR	*Agropyron cristatum*	GR			
ALDE	*Alyssum desertorum*	FO			*X*
AMAL2	*Amelanchier alnifolia*	TR			
ARNO4	*Artemisia nova*	SH			
ARTRV	*Artemisia tridentata* ssp. *vasayana*	SH			
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH			
ASLE8	*Atragalus lentiginosus*	FO			
BASA3	*Balsamorhiza sagittata*	FO			
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO			
BRTE	*Bromus tectorum*	GR			*X*
CACR11	*Caulanthus crassicaulis*	FO			
CEIN7	*Cercocarpus intricatus*	SH			
CHVI8	*Chrysothamnus viscidiflorus*	SH			
COUM	*Commandra umbellata*	FO			
CRAC2	*Crepis acuminata*	FO			
CRFL2	*Cryptantha flavaculata*	FO			
ELEL5	*Elymus elymoides*	GR			
ERNA10	*Ericameria nauseosa*	SH			
ERUM	*Eriogonum umbellatum*	SH			
HEQU2	*Helianthella quinquenervis*	FO			
IVAX	*Iva axillaris*	FO			
JUOS	*Juniperus osteosperma*	TR			
LECI4	*Leymus cinereus*	GR			
LILE3	*Linum lewisii*	FO			

LIRU4	*Lithospermum ruderale*	FO			
LONE	*Lomatium nevadense*	FO			
MACA2	*Machaeranthera cannescens*	FO			
MAVU	*Marrubium vulgare*	FO			
OPPOE	*Opuntia polyacantha* var. *erinacea*	SH			
PENST	*Penstemon* sp.	FO			
PHHO	*Phlox hoodii*	FO			
PHPU5	*Phlox pulvinata*	FO			
PHCH2	*Physaria chambersii*	FO			
PIMO	*Pinus monophylla*	TR			
POSE	*Poa secunda*	GR			
PSSP6	*Pseudoroegneria spicata*	GR			
PUTR2	*Purshia tridentata*	SH			
SYOR2	*Symphoricarpus oreophilus*	SH			

Optional Location Information

Location information to represent the survey area may be recorded,
in addition to entering the spatial feature in the application

33) USGS Quad Number:	**34) USGS Quad Name:**
35) Forest Quad Number:	**36) Forest Quad Name:**

37) Legal Description: Required where public land survey is available.

Meridian: **Township and Range:**

Section:__ **Q Sec:___** **QQ Sec: ____** **QQQ Sec: ____** **QQQQ Sec: ____**

38) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)

Geodetic Datum:

Latitude: **Degrees __ __ N** **Minutes** **Seconds __ __.__ __**

Longitude: **Degrees __ __ __ W** **Minutes** **Seconds __ __.__ __**

GPS Datum:

GPS Lat. Dec. Degrees: **GPS Long. Dec. Degrees:**

39) UTM

UTM Datum: NAD83 **UTM Zone:** 11T

Easting: __614850 **__ __ __ __ __** **Northing:** _4434979_ __ __ __ __ __

40) GPS Unit Used: Manufacturer: Garmin	**Model: Etrex Legend**

41) Metes and Bounds:

42) Directions to Survey Area

See “Special Status Plant Survey Report for Overland Pass/Big Wash Restoration Project” for maps and additional information.

43) Sketch of Survey Area

USDA Forest Service
TES Plant Survey Field Form
(® = Required Fields)

General Information

1) SURVEY ID: ®041707OPS00002	**2) SURVEY NAME:** OVERLAND PASS – WILLOW CREEK UNIT 2
3) SURVEY STATUS: ® COMPLETE	**4) SOURCE OF WORK**: CONTRACT
5) Survey Type: ® CURSORY	
6) Survey Focus: ® TERRESTRIAL	
7) Estimate of Survey Area Size (acres): ® 19.1 ACRES	
8) Elevation: Min: 6100 Max: 7140 Average: 6620	**9) Elevation UOM: Feet**

10) State: ®	11) County: ®	12) Region: ®	13) Forest: ®	14) District: ®
NV	**White Pine**	**04**	**17**	**D7-Ruby Mountains**

15) Parameters of Survey (*Describe any ecological parameters, criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, etc.):*

Surveys focused on higher elevation areas within treatments, rock outcrops, springs, and north facing slopes. These abiotic habitat features were the most likely characters to positively affect the presence of target species.

16) Survey Comments *(Directions, area description, specific comments by visit date, etc.):*

Located between Willow Creek and Sestanovich Creeks, northwest of Overland Pass in the southern Ruby Mountains of central Nevada. Survey area occurred on lower benches and washes of western mountain slopes occupied by Wyoming big sagebrush shrublands, mature pinyon-juniper woodlands, and various stages of pinyon and juniper encroachment. Lower, broader drainages were, in some cases, dominated basin big sagebrush and/or basin wildrye. Few rock outcrops, potential habitat for some target species were observed in the treatment area. The outcrops and surrounding area were examined. No target species were encountered. In general, target list species occurring in this region of Nevada occur at higher elevations or valley bottoms.

Survey Visits

Required. Enter a Date (MM/DD/YYYY) and Examiners for each visit made.

17) VISIT DATE ®	18) LAST NAME ® AND FIRST NAME OF EXAMINERS FOR EACH VISIT
06/27/2012	GUST, GREGORY

Target Species

Required. List all targeted plant species (TES, special forest products, or other species of concern) that are the focus of the survey. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

19) ® NRCS Plant Code	20) ® Scientific name	21) ® Suitable habitat found	22) ® Plant found	23) ® FS Site ID(s) for EOs (If EO forms completed)
ARFA2	*Boechera falcatoria* (Syn. *Arabis falcatoria*)	No	No	
BOAS2	*Botrychium ascendens*	No	No	
BOCR	*Botrychium crenulatum*	No	No	
BOLI7	*Botrychium lineare*	No	No	
DRPE3	*Draba pennellii*	No	No	

EPNE	*Epilobium nevadense*	No	No	
PRCA3	*Primula capillaris*	No	No	
SINA2	*Silene natchlingerae*	No	No	
SMHO	*Smelowskia holmgrenii* (Syn. *Nevada holmgrenii*)	No	No	

Species List of Surveyed Area

Optional. List other species found during the survey. Record the NRCS *PLANTS* Code, scientific name or both. Indicate habitat (locally defined), lifeform and cover abundance (all optional). Indicate non-native plants with "X"

24) Completeness of species list: Complete	**25) Cover Method** *(if cover recorded):*

26) Comments *(e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):*
The species included below is a comprehensive list of all taxa observed.

27) NRCS Plant Code	28) Scientific Name	29) Life Form	30) Habitat	31) % Cover or Class	32) Non-native
ARLU	*Artemisia ludoviciana*	SH			
ARNO	*Artemisia nova*	SH			
ARTRT	*Artemisia tridentata* ssp. *tridentata*	SH			
ARTRW8	*Artemisia tridentata* ssp. *wyomingensis*	SH			
ASTRA	*Atragalus* sp.	FO			
BASA3	*Balsamorhiza sagittata*	FO			
BOHO	*Boechera holboelii* (Syn. *Arabis holboelii*)	FO			
BRTE	*Bromus tectorum*	GR			*X*
CACR11	*Caulanthus crassicaulis*	FO			
CHVI8	*Chrysothamnus viscidiflorus*	SH			
COUM	*Commandra umbellata*	FO			
CRAC2	*Crepis acuminata*	FO			
CRFL2	*Cryptantha flavaculata*	FO			
DEAN	*Delphinium andersonii*	FO			
ELEL5	*Elymus elymoides*	GR			
ELLA3	*Elymus lanceolatus*	GR			
EPBR3	*Epilobium brachycarpum*	FO			
ERNA10	*Ericameria nauseosa*	SH			
ERPU2	*Erigeron pumilus*	FO			
ERCA8	*Eriogonum caespitosum*	FO			
EROV	*Eriogonum ovalifolium*	FO			
ERUM	*Eriogonum umbellatum*	SH			
HEQU2	*Helianthella quinquenervis*	FO			
IPCO5	*Ipomopsis congesta*	FO			
JUOS	*Juniperus osteosperma*	TR			

LECI4	*Leymus cinereus*	GR			
LIPU11	*Linanthus pungens*	SH			
LILE3	*Linum lewisii*	FO			
LIRU4	*Lithospermum ruderale*	FO			
LONE	*Lomatium nevadense*	FO			
OECA10	*Oenothera caespitosum*	FO			
PAMU11	*Packera multilobata*	FO			
PENST	*Penstemon sp.*	FO			
PEPU7	*Petradoria pumila*	FO			
PHAU3	*Phlox austromontana*	FO			
PHHO	*Phlox hoodii*	FO			
PHLO2	*Phlox longifolia*	FO			
PHJU	*Phoradendron juniperinum*	FO			
PHCH2	*Physaria chambersii*	FO			
PIMO	*Pinus monophylla*	TR			
POSE	*Poa secunda*	GR			
PSSP6	*Pseudoroegneria spicata*	GR			
PUTR2	*Purshia tridentata*	SH			
STAC	*Stenotis acaulis*	FO			

Optional Location Information

Location information to represent the survey area may be recorded,
in addition to entering the spatial feature in the application

33) USGS Quad Number:	**34) USGS Quad Name:**
35) Forest Quad Number:	**36) Forest Quad Name:**

37) Legal Description: Required where public land survey is available.

Meridian: **Township and Range:**

Section:__ **Q Sec:___** **QQ Sec: ____** **QQQ Sec: ____** **QQQQ Sec: ____**

38) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)

Geodetic Datum:

Latitude: **Degrees __ __ N** **Minutes** **Seconds __ __.__ __**

Longitude: **Degrees __ __ __ W** **Minutes** **Seconds __ __.__ __**

GPS Datum:

GPS Lat. Dec. Degrees: **GPS Long. Dec. Degrees:**

39) UTM

UTM Datum: NAD83 **UTM Zone:** 11T

Easting: _612142_ __ __ __ __ __ **Northing:** _4440489_ __ __ __ __ __

40) GPS Unit Used: Manufacturer: Garmin	**Model: Etrex Legend**

41) Metes and Bounds:

42) Directions to Survey Area

See “Special Status Plant Survey Report for Overland Pass/Big Wash Restoration Project” for maps and additional information.

43) Sketch of Survey Area