

APPENDIX D

PLANT SPECIES OBSERVED DURING TES FIELD ASSESSMENTS

Vegetation Type	Veg Status*	NRCS PLANTS Code	Scientific Name	WETLAND/RIP				UPLAND					
				AQUATIC	FO/SS	WM	Trib SS	GR	Talus	Pipo-1	Pipo-2	Pipo-3	Young
	1	2	3a	3b	4	5	7a	7b	7c	7d	8		
Tree	N	ABGR	Abies grandis					X				X	
Tree	NN	ACPL	Acer platanoides			X							
Tree	N	BEPA	Betula papyrifera			X							
Tree	N	JUOC	Juniperus occidentalis					X				X	
Tree	N	LAOC	Larix occidentalis					X					
Tree	N	PICO	Pinus contorta										
Tree	N	PIPO	Pinus ponderosa		X		X	X	X	X	X	X	
Tree	N	POBAT	Populus balsamifera ssp. trichocarpa (P. trichocarpa)		X								
Tree	N	POTR5	Populus tremuloides		X			X					
Tree	N	PREM	Prunus emarginata		X								
Tree	N	PSME	Pseudotsuga menziesii							X	X	X	
Tree	N	SAAM2	Salix amygdaloides		X			X					
Tree	N	SALUC	Salix lucida ssp. caudata (S. lasianдра var. caudata)		X								
Shrub	N	ALIN2	Alnus incana		X			X					
Shrub	N	AMAL2	Amelanchier alnifolia		X			X					
Shrub	N	ARTR2	Artemisia tridentata			X		X					
Shrub	N	CELE3	Cercocarpus ledifolius					X					
Shrub	N	CHV18	Chrysothamnus viscidiflorus					X		X			
Shrub	N	C05E16	Cornus sericea (C. stolonifera)		X			X					
Shrub	N	CRDO2	Crataegus douglasii		X								
Shrub	N	ERNA10	Ericameria nauseosa (Chrysothamnus nauseosus)										
Shrub	N	LOIN5	Lonicera involucrata		X								

Fern Allies	N	EQAR	Equisetum arvense												
Fern Allies	N	EQHY	Equisetum hyemale							X					
Fern Allies	N	WOOR	Woodsia oregana								X				
Fern Allies	N	WOSC	Woodsia scopulina									X			

Key:

Vegetation Type= N=Native NN=Nonnative U=Unknown
 PIPO-1=PIPO/SYAL
 PIPO-2=PIPO/CARU
 PIPO-3=PIPO/CAGE-mid
 Young=PIPO-CAGE-early

Vegetation Type	Veg Status N=Native NN=Nonnative U=Unknown	NRCS PLANTS Code	Scientific Name
Non-vasc lichen	N	BRYOR2	Bryoria sp.
Non-vasc lichen	N	DEMI60	Dermatocarpon miniatum
Non-vasc lichen	N	LEGA4	Lecanora garovaglii
Non-vasc lichen	N	LELI60	Leptogium lichenoides
Non-vasc lichen	N	LEVU2	Letharia vulpina
Non-vasc lichen	N	MEEL5	Melanelia elegantula
Non-vasc lichen	N	NOAB	Nodobryoria abbreviata
Non-vasc lichen	N	PHDE18	Phaeophyscia decolor
Non-vasc lichen	N	PHSC60	Phaeophyscia sciastra
Non-vasc lichen	N	UMHY2	Umbilicaria hyperborea
Non-vasc lichen	N	XAEL60	Xanthoria elegans
Liverwort	N	MAPO16	Marchantia polymorpha (outside study area)
Moss	N	DICRA8	Dicranum spp.
Moss	U	na	Distichum capillaceum
Moss	N	ENRH70	Encalypta raptocarpa (E. raptocarpa)
Moss	N	POHLI2	Pohlia sp.
Moss	N	POJU70	Polytrichum juniperinum

APPENDIX E

WILDLIFE SPECIES/SIGN OBSERVED DURING TES 2007 AND 2008

FIELD ASSESSMENTS

Table E-1. Wildlife Species or Sign Observed in the Mason Dam Study Area during TES 2007 and 2008 Field Assessments.									
Species	Open Water	Riparian Herb	Riparian Shrub	Mixed Forest	Open Pine Forest	Young Pine Forest	Grassland	Rock/Talus	
Raptors									
<i>Aquila chrysaetus</i> Golden eagle				X					
<i>Buteo jamaicensis</i> Red Tailed Hawk	X							X	
<i>Haliaeetus leucocephalus</i> Bald eagle	X								
<i>Pandion haliaetus</i> Osprey	X								
Waterfowl									
<i>Anas platyrhynchos</i> Mallard	X								
<i>Mergus merganser</i> Common merganser	X								
Other Birds									
<i>Cinclus mexicanus</i> American dipper	X		X						
<i>Cyanocitta stelleri</i> Stellar's jay					X				

Table E-1. Continued										
<i>Parus atricapillus</i> Black capped chickadee								X		
<i>Parus gambeli</i> Mountain chickadee								X		
<i>Pica pica</i> Black-billed Magpie									X	
<i>Corvus corax</i> Raven										X
<i>Picoides pubescens</i> Downy woodpecker								X		
<i>Sitta canadensis</i> Red breasted nuthatch						X		X		
<i>Sitta pygmaea</i> Pygmy nuthatch *								X		
<i>Certhia americana</i> Brown creeper						X		X		
<i>Sphyrapicus nuchalis</i> Red-naped sapsucker*									X	
<i>Turdus migratorius</i> American robin*									X	
Hummingbird* Species unknown									X	
<i>Salpinctes obsoletus</i> Rock wren										X
Table E-1. Continued										
<i>Chaetura vauxi</i> Vaux's Swift										X

Caspian tern <i>Sterna caspia</i>	X																		
Mammals																			
<i>Odocoileus hemionus</i> Mule deer	X									X	X	X	X	X	X	X	X	X	X
<i>Cervus elaphus</i> Elk*												X							
<i>Castor canadensis</i> Beaver*									X										
<i>Taxidea taxus</i> Badger*													X						
<i>Tamias amoenus</i> Yellow pine chipmunk													X						
<i>Tamiasciurus douglasii</i> Douglas squirrel														X					
<i>Thomomys talpoides</i> Northern pocket gopher*																		X	
Fish																			
<i>Perca flavescens</i> Yellow perch (carcass)	X																		
* Sign only (tracks, scat, nests, other)																			

APPENDIX F
VEGETATION STUDY DATA SHEETS

APPENDIX F-1
FS TES SURVEY FORMS

**USDA FOREST SERVICE 2008
PLANT SURVEY FIELD FORM
(® = Required Fields)**

General Information

1) SURVEY ID: ® 061601S00MD0078		2) SURVEY NAME: MASON DAM PROJECT		
3) SURVEY STATUS: ® COMPLETE		4) TARGET: ® <i>TESP</i>		5) SOURCE OF WORK: CONTRACT
6) Survey Type: ® GENERAL / SYSTEMATIC				
7) Survey Focus: ® TERRESTRIAL				
8) Estimate of Survey Area Size (acres): 34.63			9) No. of Traverses: 8	
10) Elevation: Min: 3910 Max: 4375 Average: 4090				11) Elevation UOM: Feet
12) State: ®	13) County: ®	14) Region: ®	15) Forest: ®	16) District: ®
OR	Baker	06	16	01
<p>17) Parameters of Survey (<i>Describe any ecological parameters, survey criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, survey timing, etc.):</i>)</p> <p>This survey includes upland habitats of dry coniferous Ponderosa pine and mixed coniferous forest.</p>				
<p>18) Survey Comments (<i>Directions, area description, specific comments by visit date, etc.):</i>)</p> <p>See areas labeled "7a-1", "7a-2", "7b", "7c", "7d", and "8" of the attached map (Attachment 1) for a description of the survey. Attachment 1 is located at the end of all of the Mason Dam Project survey sheets.</p>				

Survey Visits

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

19) VISIT DATE ®	20) LAST NAME ® AND FIRST NAME ® OF EXAMINERS FOR EACH VISIT
10/30/2007	GECY, LESLIE AND CHRISTIE, CHRIS
11/01/2007	GECY, LESLIE AND CHRISTIE, CHRIS
11/02/2007	GECY, LESLIE AND CHRISTIE, CHRIS
07/23/2008	GECY, LESLIE AND CHRISTIE, CHRIS
07/29/2008	GECY, LESLIE AND CHRISTIE, CHRIS

Target Species

Required. List all targeted plant species (TES, INPA, special forest products, or other species of concern) that are the focus of the survey. It may be helpful to separate TES from INPA species by page or block if survey is for both purposes. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

21) ® NRCS Plant Code	22) ® Scientific name	23) ® Suitable habitat found	24) ® Plant found	25) ® FS Site ID(s) for EOs (If EO forms completed)
CYFA	Cypripedium fasciculatum	no	no	
BOMI	Botrychium minganense	yes	no	
PHMU3	Phlox multiflora	yes	no	
RHNU4	Rhizomnium nudum	no	no	
SCPE9	Schistostega pennata	no	no	
LEBU5	Leptogium burnetiae	no	no	
LECY60	Leptogium cyanescens	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”

26) Completeness of species list: Complete **27) Cover Method** (if cover recorded): Actual

28) Comments (e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):

Only dominant plant information is provided below. See Attachment 2 for a complete species list for this survey.

29) NRCS Plant Code	30) Scientific Name	31) Life Form	32) Habitat	33) % Cover or Class	34) Non- native
PIPO	<i>Pinus ponderosa</i>		Upland Forest		n
PSME	<i>Pseudotsuga menziesii</i>		Upland Forest		n
PICO	<i>Pinus contorta</i>		Upland Forest		n
ABGR	<i>Abies grandis</i>		Upland Forest		n
JUOC	<i>Larix occidentalis</i>		Upland Forest		n
SYAL	<i>Symphoricarpos albus</i>		Upland Forest		n
PUTR2	<i>Purshia tridentata</i>		Upland Forest		n
MARE11	<i>Mahonia repens</i>		Upland Forest		n
CHVI8	<i>Chrysothamnus viscidiflorus</i>		Upland Forest		n
SPBE2	<i>Spiraea betulifolia</i>		Upland Forest		n
ROWO	<i>Rosa woodsii</i>		Upland Forest		n
THIN6	<i>Thinopyrum intermedium</i> (<i>Agropyron trichophorum</i>)		Upland Forest		y*
FEID	<i>Festuca idahoensis</i>		Upland Forest		n
CARU	<i>Calamagrostis rubescens</i>		Upland Forest		n
CAGE2	<i>Carex geyeri</i>		Upland Forest		n
BRCA5	<i>Bromus carinatus</i>		Upland Forest		n
KOMA	<i>Koeleria macrantha</i> (<i>K. cristata</i>)		Upland Forest		n
ACMI2	<i>Achillea millefolium</i>		Upland Forest		n
HEUN	<i>Helianthella uniflora</i>		Upland Forest		n
LUPIN	<i>Lupinus</i> spp.		Upland Forest		n
FRVI	<i>Fragaria virginiana</i>		Upland Forest		n
PHPR3	<i>Phleum pratense</i>		Upland Forest		y*
POPR	<i>Poa pratensis</i>		Upland Forest		y*
ELGL	<i>Elymus glaucus</i>		Upland Forest		n
ARCO9	<i>Arnica cordifolia</i>		Upland Forest		n

Optional Location Information

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

35) USGS Quad Number:	36) USGS Quad Name: Blue Canyon & Phillips Lake
37) Forest Quad Number:	38) Forest Quad Name:

39) Legal Description: Required where public land survey is available.				
Meridian:	Township and Range:			
Section: _____	Q Sec: _____	QQ Sec: _____	QQQ Sec: _____	QQQQ Sec: _____

40) 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:		

41) UTM	
UTM Datum: NAD 83	UTM Zone: 11T
Easting: 0420984.0	Northing: 4947007.0
Easting: 0420849.0	Northing: 4946928.0
Easting: 0420780.0	Northing: 4946602.0
Easting: 0420440.0	Northing: 4946141.6
Easting: 0420708.2	Northing: 4946009.8
Easting: 0420519.0	Northing: 4946192.0


42) GPS Equipment: Manufacturer: Garmin	Model: V
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43) Metes and Bounds

44) Directions to Survey Area

From Baker City, Oregon travel southwest (towards Sumpter) on State Highway 7 for approximately 16 miles until you reach the Powder River Recreation Area. Turn left at the second entrance and continue west to the parking area closest to the dam. The survey area can be accessed from there (see Attachments 1).

45) Sketch of Survey Area


SEE ATTACHMENT 1

COMPLETE SPECIES LIST OF UPLAND FOREST TESP SURVEY

NRCS PLANTS Code	Scientific Name	Vegetation Type	Habitat	Veg Status N=Native NN=Nonnative U=Unknown
ABGR	<i>Abies grandis</i>	Tree	Upland Forest	N
JUOC	<i>Juniperus occidentalis</i>	Tree	Upland Forest	N
LAOC	<i>Larix occidentalis</i>	Tree	Upland Forest	N
PICO	<i>Pinus contorta</i>	Tree	Upland Forest	N
PIPO	<i>Pinus ponderosa</i>	Tree	Upland Forest	N
PSME	<i>Pseudotsuga menziesii</i>	Tree	Upland Forest	N
CHVT8	<i>Chrysothamnus viscidiflorus</i>	Shrub	Upland Forest	N
MARE11	<i>Mahonia repens</i>	Shrub	Upland Forest	N
PUTR2	<i>Purshia tridentata</i>	Shrub	Upland Forest	N
RIHU	<i>Ribes hudsonianum</i>	Shrub	Upland Forest	N
RICE ¹³⁸	<i>Ribes cereum</i>	Shrub	Upland Forest	N
RIV13 ⁸	<i>Ribes viscosissimum</i>	Shrub	Upland Forest	N
ROWO	<i>Rosa woodsii</i>	Shrub	Upland Forest	N
SPBE2	<i>Spiraea betulifolia</i>	Shrub	Upland Forest	N
SYAL	<i>Symphoricarpos albus</i>	Shrub	Upland Forest	N
BRCA5	<i>Bromus carinatus</i>	Herb Monocot	Upland Forest	N
BRTE	<i>Bromus tectorum</i>	Herb Monocot	Upland Forest	NN
CARU	<i>Calamagrostis rubescens</i>	Herb Monocot	Upland Forest	N
CAMAM9	<i>Calochortus macrocarpus var. macrocarpus</i>	Herb Monocot	Upland Forest	N
CACO11	<i>Carex concinnaoides</i>	Herb Monocot	Upland Forest	N
CAGE2	<i>Carex geyeri</i>	Herb Monocot	Upland Forest	N
ELEL5	<i>Elymus elymoides (Sitanion hystrix)</i>	Herb Monocot	Upland Forest	N
ELGL	<i>Elymus glaucus</i>	Herb Monocot	Upland Forest	N
FEID	<i>Festuca idahoensis</i>	Herb Monocot	Upland Forest	N
FESU	<i>Festuca subulata</i>	Herb Monocot	Upland Forest	N
FRAT	<i>Fritillaria atropurpurea</i>	Herb Monocot	Upland Forest	N
IRMI	<i>Iris missouriensis</i>	Herb Monocot	Upland Forest	N
KOMA	<i>Koeleria macrantha (K. cristata)</i>	Herb Monocot	Upland Forest	N

PHPR3	<i>Phleum pratense</i>	Herb Monocot	Upland Forest	NN
POPR	<i>Poa pratensis</i>	Herb Monocot	Upland Forest	NN
POSE	<i>Poa secunda</i> (<i>P. sandbergii</i>)	Herb Monocot	Upland Forest	N
PRTR4	<i>Prosartes trachycarpa</i> (<i>Disporum trachycarpum</i>)	Herb Monocot	Upland Forest	N
STAM2	<i>Streptopus amplexifolius</i>	Herb Monocot	Upland Forest	N
THIN6	<i>Thinopyrum intermedium</i> (<i>Agropyron trichophorum</i>)	Herb Monocot	Upland Forest	NN
TRGRG2	<i>Triteleia grandiflora</i> var. <i>grandiflora</i>	Herb Monocot	Upland Forest	N
ACMI2	<i>Achillea millefolium</i>	Dicot	Upland Forest	N & NN
ADBI	<i>Adenocaulon bicolor</i>	Dicot	Upland Forest	N
AGGR	<i>Agoseris grandiflora</i>	Dicot	Upland Forest	N
ANPI	<i>Anemone piperi</i>	Dicot	Upland Forest	N
ANLU2	<i>Antennaria luzuloides</i>	Dicot	Upland Forest	N
ANRO2	<i>Antennaria rosea</i>	Dicot	Upland Forest	N
AQFO	<i>Aquilegia formosa</i>	Dicot	Upland Forest	N
ARCO9	<i>Arnica cordifolia</i>	Dicot	Upland Forest	N
ARSO2	<i>Arnica sororia</i>	Dicot	Upland Forest	N
ARDR4	<i>Artemisia dracunculoides</i>	Dicot	Upland Forest	N
ARLU ³³ ₄	<i>Artemisia ludoviciana</i>	Dicot	Upland Forest	N
ASPU9	<i>Astragalus purshii</i>	Dicot	Upland Forest	N
CALI4	<i>Castilleja linariifolia</i>	Dicot	Upland Forest	N
CHUM	<i>Chimaphila umbellata</i>	Dicot	Upland Forest	N
CIAR4	<i>Cirsium arvense</i>	Dicot	Upland Forest	NN
CICA6	<i>Cirsium canovirens</i>	Dicot	Upland Forest	N
CLHI	<i>Clematis hirsutissima</i>	Dicot	Upland Forest	N
CYOF	<i>Cynoglossum officinale</i>	Dicot	Upland Forest	NN
DIAR	<i>Dianthus armeria</i>	Dicot	Upland Forest	NN
ERCO5	<i>Erigeron corymbosus</i>	Dicot	Upland Forest	N
ERPU2	<i>Erigeron pumilus</i>	Dicot	Upland Forest	N
ERLA6	<i>Eriophyllum lanatum</i>	Dicot	Upland Forest	N
EUCO36	<i>Eurybia conspicua</i> (<i>Aster conspicuus</i>)	Dicot	Upland Forest	N
FRVI	<i>Fragaria virginiana</i>	Dicot	Upland Forest	N
FRSP	<i>Frasera speciosa</i>	Dicot	Upland Forest	N
GABO2	<i>Galium boreale</i>	Dicot	Upland Forest	N
GEV2	<i>Geranium viscosissimum</i>	Dicot	Upland Forest	N

GETR	Geum triflorum	Dicot	Upland Forest	N
HEUN	Helianthella uniflora	Dicot	Upland Forest	N
HISCA	Hieracium scouleri var. albertinum	Dicot	Upland Forest	N
IPAG	Ipomopsis aggregata	Dicot	Upland Forest	N
LIRU4	Lithospermum ruderale	Dicot	Upland Forest	N
LOTR2	Lomatium triternatum	Dicot	Upland Forest	N
LULE3	Lupinus leucophyllus	Dicot	Upland Forest	N
LUSE2	Lupinus sericeus ssp. sericeus	Dicot	Upland Forest	N
LUPIN	Lupinus sp.	Dicot	Upland Forest	N
MIPE	Mitella pentandra	Dicot	Upland Forest	N
PACA15	Packera cana	Dicot	Upland Forest	N
PESP	Penstemon speciosus	Dicot	Upland Forest	N
PHLI	Phacelia linearis	Dicot	Upland Forest	N
PHPU5	Phlox pulvinata	Dicot	Upland Forest	N
POGL9	Potentilla glandulosa	Dicot	Upland Forest	N
POGR9	Potentilla gracilis	Dicot	Upland Forest	N
PORE5	Potentilla recta	Dicot	Upland Forest	NN
PTAN23	Pterospora andromedea	Dicot	Upland Forest	N
PYCA3	Pyrocoma carthamoides	Dicot	Upland Forest	N
RAGLG	Ranunculus glaberrimus var. glaberrimus	Dicot	Upland Forest	N
SIME	Silene menziesii	Dicot	Upland Forest	N
SIOR3	Silene oregana	Dicot	Upland Forest	N
SYFO2	Symphotrichum foliaceum (Aster foliaceus)	Dicot	Upland Forest	N
THFE	Thalictrum fendleri	Dicot	Upland Forest	N
VETH	Verbascum thapsus	Dicot	Upland Forest	NN
CYFR2	Cystopteris fragilis	Fern Allies	Upland Forest	N

**USDA FOREST SERVICE 2008
PLANT SURVEY FIELD FORM
(® = Required Fields)**

General Information

1) SURVEY ID: ® 061601S00MD004		2) SURVEY NAME: MASON DAM PROJECT		
3) SURVEY STATUS: ® COMPLETE		4) TARGET: ® TESP		5) SOURCE OF WORK: CONTRACT
6) Survey Type: ® GENERAL, SYSTEMATIC				
7) Survey Focus: ® TERRESTRIAL, FEATURES				
8) Estimate of Survey Area Size (acres): 4.15			9) No. of Traverses: 4	
10) Elevation: Min: 3951		Max: 4354	Average: 4152	11) Elevation UOM: Feet
12) State: ®	13) County: ®	14) Region: ®	15) Forest: ®	16) District: ®
OR	BAKER	06	16	01
17) Parameters of Survey <i>(Describe any ecological parameters, survey criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, survey timing, etc.):</i>				
Survey area consists of seeded grasslands located adjacent to the Mason Dam recreation area parking lot, and along the existing transmission line crossing Black Mountain Road.				
18) Survey Comments <i>(Directions, area description, specific comments by visit date, etc.):</i>				
See areas labeled "4a" and "4b" of the attached map (Attachment 1) for a description of the survey. Attachment 1 is located at the end of all of the Mason Dam Project survey sheets.				

Survey Visits

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

19) VISIT DATE ®	20) LAST NAME ® AND FIRST NAME ® OF EXAMINERS FOR EACH VISIT
7/23/2008	GECY, LESLIE AND CHRISTIE, CHRIS
10/31/2007	GECY, LESLIE AND CHRISTIE, CHRIS

Target Species

Required. List all targeted plant species (TES, INPA, special forest products, or other species of concern) that are the focus of the survey. It may be helpful to separate TES from INPA species by page or block if survey is for both purposes. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

21) [®] NRCS Plant Code	22) [®] Scientific name	23) [®] Suitable habitat found	24) [®] Plant found	25) [®] FS Site ID(s) for EOs (if EO forms completed)
CAMAM	Calochortus macrocarpus var. maculosus	no	no	
BOCA5	Botrychium campestre	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”

26) Completeness of species list: Complete **27) Cover Method** (if cover recorded): Actual

28) Comments (e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):

Only dominant plant information is provided below. See Attachment 2 for a complete species list for this survey.

29) NRCS Plant Code	30) Scientific Name	31) Life Form	32) Habitat	33) % Cover or Class	34) Non- native
PIPO	<i>Pinus ponderosa</i>		Dry Grassland		n
n/a	Horticultural spp. (shrubs)		Dry Grassland		y*
ARTR2	<i>Artemisia tridentata</i>		Dry Grassland		n
MARE11	<i>Mahonia repens</i>		Dry Grassland		n
CHRYS	<i>Chrysothamnus</i> spp.		Dry Grassland		n
AGCR	<i>Agropyron cristatum</i>		Dry Grassland		y*
THIN6	<i>Thinopyrum intermedium</i> (<i>Agropyron intermedium</i>)		Dry Grassland		y*
BRTE	<i>Bromus tectorum</i>		Dry Grassland		y*
FEID	<i>Festuca idahoensis</i>		Dry Grassland		n
EPBR3	<i>Epilobium brachycarpum</i> (<i>E. paniculatum</i>)		Dry Grassland		n
THIN6	<i>Thinopyrum intermedium</i> (<i>Agropyron trichophorum</i>)		Dry Grassland		y*
KOMA	<i>Koeleria macrantha</i> (<i>K. cristata</i>)		Dry Grassland		n
PHPR3	<i>Phleum pratense</i>		Dry Grassland		y*
CARU	<i>Calamagrostis rubescens</i>		Dry Grassland		n
CAGE2	<i>Carex geyeri</i>		Dry Grassland		n
ACMI2	<i>Achillea millefolium</i>		Dry Grassland		n

Optional Location Information

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

35) USGS Quad Number:	36) USGS Quad Name: Blue Canyon & Phillips Lake
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37) Forest Quad Number:	38) Forest Quad Name:
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39) Legal Description: Required where public land survey is available.

Meridian:	Township and Range:
Section: _____	Q Sec: _____ QQ Sec: _____ QQQ Sec: _____ QQQQ Sec: _____

40) 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:	

41) UTM

UTM Datum: NAD 83	UTM Zone: 11T
Easting: 0420994.0	Northing: 4947078.0
Easting: 0420618.0	Northing: 4946078.0

42) GPS Equipment: Manufacturer: Garmin	Model: V
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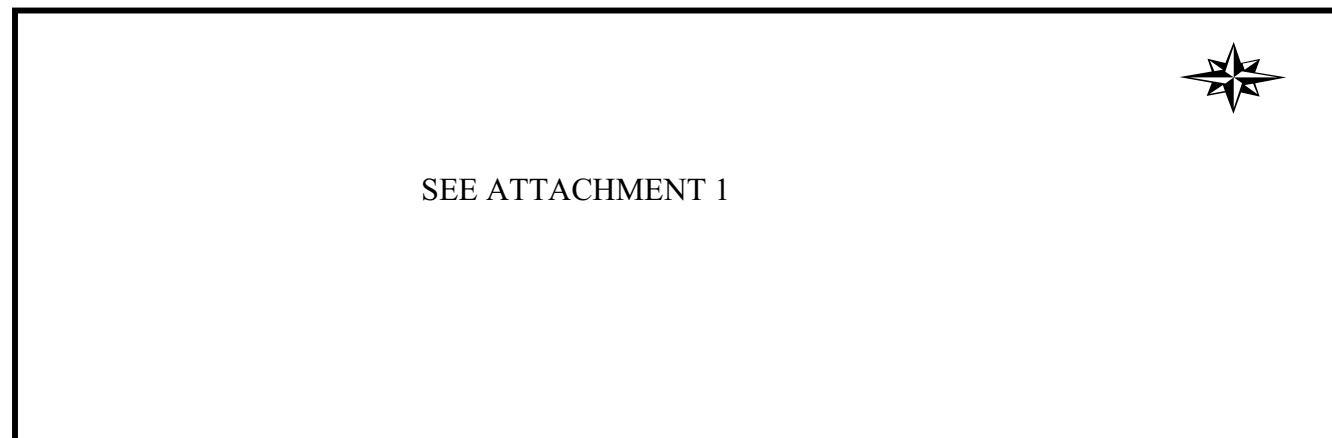
43) Metes and Bounds

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44) Directions to Survey Area

From Baker City, Oregon travel southwest (towards Sumpter) on State Highway 7 for approximately 16 miles until you reach the Powder River Recreation Area. Turn left at the second entrance and continue west to the parking area closest to the dam. The survey area can be accessed from there.

.45) Sketch of Survey Area



COMPLETE SPECIES LIST OF DRY GRASSLANDS TESP SURVEY

NRCS PLANTS Code	Scientific Name	Vegetation Type	Habitat	Veg Status N=Native NN=Nonnative U=Unknown
ACPL	<i>Acer platanoides</i>	Tree	Dry Grassland	NN
BEPA	<i>Betula papyrifera</i>	Tree	Dry Grassland	N
PIPO	<i>Pinus ponderosa</i>	Tree	Dry Grassland	N
AMAL2	<i>Amelanchier alnifolia</i>	Shrub	Dry Grassland	N
ARTR2	<i>Artemisia tridentata</i>	Shrub	Dry Grassland	N
CELE3	<i>Cercocarpus ledifolius</i>	Shrub	Dry Grassland	N
CHVI8	<i>Chrysothamnus viscidiflorus</i>	Shrub	Dry Grassland	N
ERNA10	<i>Ericameria nauseosa (Chrysothamnus nauseosus)</i>	Shrub	Dry Grassland	N
MARE11	<i>Mahonia repens</i>	Shrub	Dry Grassland	N
PUTR2	<i>Purshia tridentata</i>	Shrub	Dry Grassland	N
RICE	<i>Ribes cereum</i>	Shrub	Dry Grassland	N
AGOC3	<i>Achnatherum occidentale (Stipa occidentalis)</i>	Herb Monocot	Dry Grassland	N
AGCR	<i>Agropyron cristatum</i>	Herb Monocot	Dry Grassland	NN
BRCA5	<i>Bromus carinatus</i>	Herb Monocot	Dry Grassland	N
BRTE	<i>Bromus tectorum</i>	Herb Monocot	Dry Grassland	NN
CARU	<i>Calamagrostis rubescens</i>	Herb Monocot	Dry Grassland	N
CAGE2	<i>Carex geyeri</i>	Herb Monocot	Dry Grassland	N
DAGL	<i>Dactylis glomerata</i>	Herb Monocot	Dry Grassland	NN
ELEL5	<i>Elymus elymoides (Sitanion hystrix)</i>	Herb Monocot	Dry Grassland	N
FEID	<i>Festuca idahoensis</i>	Herb Monocot	Dry Grassland	N
KOMA	<i>Koeleria macrantha (K. cristata)</i>	Herb Monocot	Dry Grassland	N
PHPR3	<i>Phleum pratense</i>	Herb Monocot	Dry Grassland	NN
POBU	<i>Poa bulbosa</i>	Herb Monocot	Dry Grassland	NN
POPR	<i>Poa pratensis</i>	Herb Monocot	Dry Grassland	NN
POSE	<i>Poa secunda (P. sandbergii)</i>	Herb Monocot	Dry Grassland	N
THING6	<i>Thinopyrum intermedium (Agropyron intermedium)</i>	Herb Monocot	Dry Grassland	NN
THING6	<i>Thinopyrum intermedium (Agropyron trichophorum)</i>	Herb Monocot	Dry Grassland	NN
ACMI2	<i>Achillea millefolium</i>	Dicot	Dry Grassland	N & NN
AMPA	<i>Amaranthus palmeri</i>	Dicot	Dry Grassland	N

AMMEM2	<i>Amsinckia menziesii</i> var. <i>menziesii</i> (<i>A. retrorsa</i>)	Dicot	Dry Grassland	N
ANLU2	<i>Antennaria luzulooides</i>	Dicot	Dry Grassland	N
APAN2	<i>Apocynum androsaemifolium</i>	Dicot	Dry Grassland	N
ARHI	<i>Arabis hirsutus</i>	Dicot	Dry Grassland	N
BASA3	<i>Balsamorhiza sagittata</i>	Dicot	Dry Grassland	N
CEDI3	<i>Centaurea diffusa</i>	Dicot	Dry Grassland	NN
CHCH	<i>Chenopodium chenopodioides</i>	Dicot	Dry Grassland	N
CIAR4	<i>Cirsium arvense</i>	Dicot	Dry Grassland	NN
CIVU	<i>Cirsium vulgare</i>	Dicot	Dry Grassland	NN
CYOF	<i>Cynoglossum officinale</i>	Dicot	Dry Grassland	NN
EPBR3	<i>Epilobium brachycarpum</i> (<i>E. paniculatum</i>)	Dicot	Dry Grassland	N
ERCH4	<i>Erigeron chrysopsidis</i>	Dicot	Dry Grassland	N
ERPU2	<i>Erigeron pumilus</i>	Dicot	Dry Grassland	N
GATR3	<i>Galium triflorum</i>	Dicot	Dry Grassland	N
GRNA	<i>Grindelia nana</i>	Dicot	Dry Grassland	N
LASE	<i>Lactuca serriola</i>	Dicot	Dry Grassland	NN
LATHY	<i>Lathyrus</i> sp.	Dicot	Dry Grassland	U
LOTR2	<i>Lomatium triternatum</i>	Dicot	Dry Grassland	N
LULE3	<i>Lupinus leucophyllus</i>	Dicot	Dry Grassland	N
MACA2	<i>Machaeranthera canescens</i>	Dicot	Dry Grassland	N
MAGR3	<i>Madia gracilis</i>	Dicot	Dry Grassland	N
MELU	<i>Medicago lupulina</i>	Dicot	Dry Grassland	NN
MESA	<i>Medicago sativa</i>	Dicot	Dry Grassland	NN
MEOF	<i>Mellilotus officinalis</i> (<i>M. alba</i>)	Dicot	Dry Grassland	NN
PENST	<i>Penstemon</i> sp.	Dicot	Dry Grassland	N
PHLI	<i>Phacelia linearis</i>	Dicot	Dry Grassland	N
POAV	<i>Polygonum aviculare</i>	Dicot	Dry Grassland	NN
POGL9	<i>Potentilla glandulosa</i>	Dicot	Dry Grassland	N
POGR9	<i>Potentilla gracilis</i>	Dicot	Dry Grassland	N
PSST7	<i>Pseudognaphalium stramineum</i>	Dicot	Dry Grassland	N
SIOR3	<i>Silene oregana</i>	Dicot	Dry Grassland	N
SOMIM	<i>Solidago missouriensis</i> var. <i>missouriensis</i>	Dicot	Dry Grassland	N
SYFO2	<i>Symphotrichum foliaceum</i> (<i>Aster foliaceus</i>)	Dicot	Dry Grassland	N
SYSPI	<i>Symphotrichum spathulatum</i> var. <i>intermedium</i>	Dicot	Dry Grassland	N

TAOF	Taraxacum officinale	Dicot	Dry Grassland	N & NN
TRDU	Tragopogon dubius	Dicot	Dry Grassland	NN
VETH	Verbascum thapsus	Dicot	Dry Grassland	NN
VEBR	Verbena bracteata	Dicot	Dry Grassland	N

**USDA FOREST SERVICE 2008
PLANT SURVEY FIELD FORM
(® = Required Fields)**

General Information

1) SURVEY ID: ®® 061601S00MD005		2) SURVEY NAME: MASON DAM PROJECT		
3) SURVEY STATUS: ® COMPLETE		4) TARGET: ® <i>TESP</i>		5) SOURCE OF WORK: CONTRACT
6) Survey Type: ® GENERAL, SYSTEMATIC				
7) Survey Focus: ® TERRESTRIAL				
8) Estimate of Survey Area Size (acres): 5.93			9) No. of Traverses: 4	
10) Elevation: Min: 3948 Max: 4052			Average: 3967	
11) Elevation UOM: Feet				
12) State: ®	13) County: ®	14) Region: ®	15) Forest: ®	16) District: ®
OR	Baker	06	16	01
17) Parameters of Survey (<i>Describe any ecological parameters, survey criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, survey timing, etc.):</i>)				
<p>This survey includes rock/talus slope habitat primarily located on a steep slope between the Mason Dam recreation area parking lot and the adjacent Black Mountain Road, east of Mason Dam. Also included is an additional small rock outcrop area southeast of Mason Dam.</p>				
18) Survey Comments (<i>Directions, area description, specific comments by visit date, etc.):</i>)				
<p>See area labeled "5" of the attached map (Attachment 1) for a description of the survey. Attachment 1 is located at the end of all of the Mason Dam Project survey sheets.</p>				

Survey Visits

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

19) VISIT DATE ®	20) LAST NAME ® AND FIRST NAME ® OF EXAMINERS FOR EACH VISIT
10/31/2007	GECY, LESLIE AND CHRISTIE, CHRIS
7/23/2008	GECY, LESLIE AND CHRISTIE, CHRIS

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”

26) Completeness of species list: Complete | **27) Cover Method (if cover recorded):** Actual

28) Comments (e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):

Only dominant plant information is provided below. See Attachment 2 for a complete species list for this survey.

29) NRCS Plant Code	30) Scientific Name	31) Life Form	32) Habitat	33) % Cover or Class	34) Non- native
PIPO	<i>Pinus ponderosa</i>		Rock/talus slope		n
POTR5	<i>Populus tremuloides</i>		Rock/talus slope		n
AMAL2	<i>Amelanchier alnifolia</i>		Rock/talus slope		n
RIAU	<i>Ribes aureum</i>		Rock/talus slope		n
CHVI8	<i>Chrysothamnus viscidiflorus</i>		Rock/talus slope		n
ARTR2	<i>Artemisia tridentata</i>		Rock/talus slope		n
PUTR2	<i>Purshia tridentata</i>		Rock/talus slope		n
JUOC	<i>Juniperus occidentalis</i>		Rock/talus slope		n
FEID	<i>Festuca idahoensis</i>		Rock/talus slope		n
AGCR	<i>Agropyron cristatum</i>		Rock/talus slope		y*
BRTE	<i>Bromus tectorum</i>		Rock/talus slope		y*

Optional Location Information


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

35) USGS Quad Number:	36) USGS Quad Name: Blue Canyon, Phillips Lake
37) Forest Quad Number:	38) Forest Quad Name:
39) Legal Description: Required where public land survey is available.	
Meridian:	Township and Range:
Section: _____	Q Sec: _____ QQ Sec: _____ QQQ Sec: _____ QQQQ Sec: _____
40) 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:
41) UTM	
UTM Datum: NAD 83	UTM Zone: 11T
Easting: 0421023.0	Northing: 4947114.0
42) GPS Equipment: Manufacturer: Garmin	Model: V
43) Metes and Bounds	

44) Directions to Survey Area

From Baker City, Oregon travel southwest (towards Sumpter) on State Highway 7 for approximately 16 miles until you reach the Powder River Recreation Area. Turn left at the second entrance and continue west to the parking area closest to the dam. The survey area can be accessed from there (see Attachment 1).

45) Sketch of Survey Area


SEE ATTACHMENT 1

COMPLETE SPECIES LIST OF ROCK/TALUS SLOPE TESP SURVEY

NRCS PLANTS Code	Scientific Name	Vegetation Type	Habitat	Veg Status N=Native NN=Nonnative U=Unknown
JUOC	Juniperus occidentalis	Tree	Rock/talus slope	N
PIPO	Pinus ponderosa	Tree	Rock/talus slope	N
POTR5	Populus tremuloides	Tree	Rock/talus slope	N
PREM	Prunus emarginata	Tree	Rock/talus slope	N
SAAM2	Salix amygdaloides	Tree	Rock/talus slope	N
AMAL2	Amelanchier alnifolia	Shrub	Rock/talus slope	N
ARTR2	Artemisia tridentata	Shrub	Rock/talus slope	N
CHVI8	Chrysothamnus viscidiflorus	Shrub	Rock/talus slope	N
PRVI	Prunus virginiana	Shrub	Rock/talus slope	N
PUTR2	Purshia tridentata	Shrub	Rock/talus slope	N
RIAU	Ribes aureum	Shrub	Rock/talus slope	N
ROWO	Rosa woodsii	Shrub	Rock/talus slope	N
SYAL	Symphoricarpos albus	Shrub	Rock/talus slope	N
AGCR	Agropyron cristatum	Herb Monocot	Rock/talus slope	NN
B RTE	Bromus tectorum	Herb Monocot	Rock/talus slope	NN
FEID	Festuca idahoensis	Herb Monocot	Rock/talus slope	N
HOJU	Hordeum jubatum	Herb Monocot	Rock/talus slope	N
THIN6	Thinopyrum intermedium (Agropyron intermedium)	Herb Monocot	Rock/talus slope	NN
THIN6	Thinopyrum intermedium (Agropyron trichophorum)	Herb Monocot	Rock/talus slope	NN
CIAR4	Cirsium arvense	Dicot	Rock/talus slope	NN
CIVU	Cirsium vulgare	Dicot	Rock/talus slope	NN
CYOF	Cynoglossum officinale	Dicot	Rock/talus slope	NN
DIFU2	Dipsacus fullonum (D. sylvestris)	Dicot	Rock/talus slope	NN
ERHE2	Eriogonum heracleoides	Dicot	Rock/talus slope	N
ERST4	Eriogonum strictum	Dicot	Rock/talus slope	N
EUOC4	Euthamia occidentalis (Solidago occidentalis)	Dicot	Rock/talus slope	N
GATR2	Galium trifidum	Dicot	Rock/talus slope	N
HECY2	Heuchera cylindrica	Dicot	Rock/talus slope	N

MEOF	<i>Melilotus officinalis</i>	Dicot	Rock/talus slope	NN
NECA2	<i>Nepeta cataria</i>	Dicot	Rock/talus slope	NN
PEDE4	<i>Penstemon deustus</i>	Dicot	Rock/talus slope	N
RAGLG	<i>Ranunculus glaberrimus</i> var. <i>glaberrimus</i>	Dicot	Rock/talus slope	N
SESE2	<i>Senecio serra</i>	Dicot	Rock/talus slope	N
SIAL2	<i>Sisymbrium altissimum</i>	Dicot	Rock/talus slope	NN
SOMIM	<i>Solidago missouriensis</i> var. <i>missouriensis</i>	Dicot	Rock/talus slope	N
VETH	<i>Verbascum thapsus</i>	Dicot	Rock/talus slope	NN
CYFR2	<i>Cystopteris fragilis</i>	Fern Allies	Rock/talus slope	N
EQHY	<i>Equisetum hyemale</i>	Fern Allies	Rock/talus slope	N
WOOR	<i>Woodsia oregana</i>	Fern Allies	Rock/talus slope	N
WOSC	<i>Woodsia scopulina</i>	Fern Allies	Rock/talus slope	N

**USDA FOREST SERVICE 2008
PLANT SURVEY FIELD FORM
(® = Required Fields)**

General Information

1) SURVEY ID: ® 061601S00MD002		2) SURVEY NAME: MASON DAM		
3) SURVEY STATUS: ® COMPLETE		4) TARGET: ® <i>TESP</i>		5) SOURCE OF WORK: CONTRACT
6) Survey Type: ® GENERAL / SYSTEMATIC				
7) Survey Focus: ® RIPARIAN				
8) Estimate of Survey Area Size (acres): 0.59			9) No. of Traverses: 6	
10) Elevation: Min: 3919 Max: 3924 Average			11) Elevation UOM: Feet	
12) State: ®	13) County: ®	14) Region: ®	15) Forest: ®	16) District: ®
OR	Baker	06	16	01
<p>17) Parameters of Survey (<i>Describe any ecological parameters, survey criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, survey timing, etc.):</i>)</p> <p>This survey includes riparian wetland habitats that occur along the north and south banks of the Powder River from Mason Dam downstream to the gauging station.</p>				
<p>18) Survey Comments (<i>Directions, area description, specific comments by visit date, etc.):</i>)</p> <p>See areas labeled "2a", "2b-1", and "2b-2" of the attached map (Attachment 1) for a description of the survey. Attachment 1 is located at the end of all of the Mason Dam Project survey sheets.</p>				

Survey Visits

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

19) VISIT DATE ®	20) LAST NAME ® AND FIRST NAME ® OF EXAMINERS FOR EACH VISIT
11/02/2007	GECY, LESLIE AND CHRISTIE, CHRIS
07/02/2008	GECY, LESLIE AND CHRISTIE, CHRIS

Target Species

Required. List all targeted plant species (TES, INPA, special forest products, or other species of concern) that are the focus of the survey. It may be helpful to separate TES from INPA species by page or block if survey is for both purposes. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

21) ® NRCS Plant Code	22) ® Scientific name	23) ® Suitable habitat found	24) ® Plant found	25) ® FS Site ID(s) for EOs (If EO forms completed)
PLOR3	Pleuropogon oregonus	no	no	
CALAA	Carex lasiocarpa var. americana	yes	no	
CARE4	Carex retrorsa	yes	no	
CYLUL	Cyperus lupulinus ssp. lupulinus	yes	no	
ELBO	Eleocharis bolanderi	yes	no	
PHMI7	Phacelia minutissima	yes	no	
PLOB	Platanthera obtusata	yes	no	
TRDO	Trifolium douglasii	yes	no	
ELBR5	Elatine brachysperma	no	no	
RORA	Rotala ramosior	no	no	
LEBU5	Leptogium burnetiae	yes	no	
LECY60	Leptogium cyanescens	yes	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"

26) Completeness of species list: Complete **27) Cover Method** (if cover recorded): Actual

28) Comments (e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):

Only dominant plant information is provided below. See Attachment 2 for a complete species list for this survey.

29) NRCS Plant Code	30) Scientific Name	31) Life Form	32) Habitat	33) % Cover or Class	34) Non- native
PIPO	<i>Pinus ponderosa</i>		Riparian shrub/ wetland		n
POBAT	<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> (<i>P. trichocarpa</i>)		Riparian shrub/ wetland		n
ALIN2	<i>Alnus incana</i>		Riparian shrub/ wetland		n
COSE16	<i>Cornus sericea</i> (<i>C. stolonifera</i>)		Riparian shrub/ wetland		n
SAAM2	<i>Salix amygdaloides</i>		Riparian shrub/ wetland		n
AGST2	<i>Agrostis stolonifera</i> (<i>A. alba</i> var. <i>stolonifera</i>)		Riparian shrub/ wetland		y*
CAAM10	<i>Carex amplifolia</i>		Riparian shrub/ wetland		n
CAAQA	<i>Carex aquatilis</i> var. <i>aquatilis</i>		Riparian shrub/ wetland		n

Optional Location Information

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

35) USGS Quad Number:	36) USGS Quad Name: Blue Canyon & Phillips Lake
37) Forest Quad Number:	38) Forest Quad Name:

39) Legal Description: Required where public land survey is available.				
Meridian:	Township and Range:			
Section: _____	Q Sec: _____	QQ Sec: _____	QQQ Sec: _____	QQQQ Sec: _____

40) 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:		

41) UTM	
UTM Datum: NAD 83	UTM Zone: 11T
Easting: 0421032.0	Northing: 4947029.0
Easting: 0420922.0	Northing: 4947057.0
Easting: 0420935.0	Northing: 4947080.0

42) GPS Equipment: Manufacturer: Garmin	Model: V
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43) Metes and Bounds

44) Directions to Survey Area

From Baker City, Oregon travel southwest (towards Sumpter) on State Highway 7 for approximately 16 miles until you reach the Powder River Recreation Area. Turn left at the second entrance and continue west to the parking area closest to the dam. The survey area can be accessed from there (see Attachment 1).

45) Sketch of Survey Area



COMPLETE SPECIES LIST OF POWDER RIVER RIPARIAN WETLANDS TESP SURVEY

NRCS PLANTS Code	Scientific Name	Vegetation Type	Habitat	Veg Status N=Native NN=Nonnative U=Unknown
PIPO	<i>Pinus ponderosa</i>	Tree	Riparian shrub/wetland	N
POBAT	<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> (<i>P. trichocarpa</i>)	Tree	Riparian shrub/wetland	N
POTR5	<i>Populus tremuloidea</i>	Tree	Riparian shrub/wetland	N
PREM	<i>Prunus emarginata</i>	Tree	Riparian shrub/wetland	N
SAAM2	<i>Salix amygdaloides</i>	Tree	Riparian shrub/wetland	N
SALUC	<i>Salix lucida</i> ssp. <i>caudata</i> (<i>S. lasiandra</i> var. <i>caudata</i>)	Tree	Riparian shrub/wetland	N
ALIN2	<i>Alnus incana</i>	Shrub	Riparian shrub/wetland	N
AMAL2	<i>Amelanchier alnifolia</i>	Shrub	Riparian shrub/wetland	N
COSE16	<i>Cornus sericea</i> (<i>C. stolonifera</i>)	Shrub	Riparian shrub/wetland	N
CRDO2	<i>Crataegus douglasii</i>	Shrub	Riparian shrub/wetland	N
LOIN5	<i>Lonicera involucrata</i>	Shrub	Riparian shrub/wetland	N
RIAU	<i>Ribes aureum</i>	Shrub	Riparian shrub/wetland	N
RICE	<i>Ribes cereum</i>	Shrub	Riparian shrub/wetland	N
ROWO	<i>Rosa woodsii</i>	Shrub	Riparian shrub/wetland	N
SAEA	<i>Salix eastwoodiae</i>	Shrub	Riparian shrub/wetland	N
SOAU	<i>Sorbus aucuparia</i>	Shrub	Riparian shrub/wetland	NN
SPBE2	<i>Spiraea betulifolia</i>	Shrub	Riparian shrub/wetland	N
AGST2	<i>Agrostis stolonifera</i> (<i>A. alba</i> var. <i>stolonifera</i>)	Herb Monocot	Riparian shrub/wetland	NN
ALAE	<i>Alopecurus aequalis</i>	Herb Monocot	Riparian shrub/wetland	N
ALPR3	<i>Alopecurus pratensis</i>	Herb Monocot	Riparian shrub/wetland	NN
BESY	<i>Beckmannia syzigachne</i>	Herb Monocot	Riparian shrub/wetland	N
CAAM10	<i>Carex amplifolia</i>	Herb Monocot	Riparian shrub/wetland	N
CAAQA	<i>Carex aquatilis</i> var. <i>aquatilis</i>	Herb Monocot	Riparian shrub/wetland	N
CAAT3	<i>Carex athrostachya</i>	Herb Monocot	Riparian shrub/wetland	N
CAMI7	<i>Carex microptera</i>	Herb Monocot	Riparian shrub/wetland	N
CASU6	<i>Carex subfusca</i>	Herb Monocot	Riparian shrub/wetland	N
ELCA4	<i>Elymus canadensis</i>	Herb Monocot	Riparian shrub/wetland	N
GLST	<i>Glyceria striata</i> (<i>G. elata</i>)	Herb Monocot	Riparian shrub/wetland	N
JUARL	<i>Juncus arcticus</i> ssp. <i>littoralis</i> (<i>J. balticus</i>)	Herb Monocot	Riparian shrub/wetland	N
POTR2	<i>Poa trivialis</i>	Herb Monocot	Riparian shrub/wetland	NN
SCM12	<i>Scirpus microcarpus</i>	Herb Monocot	Riparian shrub/wetland	N
ACM12	<i>Achillea millefolium</i>	Dicot	Riparian shrub/wetland	N & NN
ACCO4	<i>Aconitum columbianum</i>	Dicot	Riparian shrub/wetland	N

AQFO	<i>Aquilegia formosa</i>	Dicot	Riparian shrub/wetland	N
ARAM2	<i>Arnica amplexicaulis</i>	Dicot	Riparian shrub/wetland	N
CEAR4	<i>Cerastium arvense</i>	Dicot	Riparian shrub/wetland	N & NN
CENU2	<i>Cerastium nutans</i>	Dicot	Riparian shrub/wetland	N
CHAN9	<i>Chamerion angustifolium (Epilobium angustifolium)</i>	Dicot	Riparian shrub/wetland	N
CIAR4	<i>Cirsium arvense</i>	Dicot	Riparian shrub/wetland	NN
CIVU	<i>Cirsium vulgare</i>	Dicot	Riparian shrub/wetland	NN
CYOF	<i>Cynoglossum officinale</i>	Dicot	Riparian shrub/wetland	NN
DIFU2	<i>Dipsacus fullonum (D. sylvestris)</i>	Dicot	Riparian shrub/wetland	NN
EPCI	<i>Epilobium ciliatum (E. glandulosum)</i>	Dicot	Riparian shrub/wetland	N
GABO2	<i>Gallium boreale</i>	Dicot	Riparian shrub/wetland	N
GEMA4	<i>Geum macrophyllum</i>	Dicot	Riparian shrub/wetland	N
GNPA	<i>Gnaphalium palustre</i>	Dicot	Riparian shrub/wetland	N
MEAR4	<i>Mentha arvensis</i>	Dicot	Riparian shrub/wetland	N
MIGU	<i>Mimulus guttatus (M. guttatus var. guttatus)</i>	Dicot	Riparian shrub/wetland	N
MYLA	<i>Myosotis laxa</i>	Dicot	Riparian shrub/wetland	N
POOC2	<i>Polemonium occidentale</i>	Dicot	Riparian shrub/wetland	N
POBI7	<i>Potentilla biennis</i>	Dicot	Riparian shrub/wetland	N
PRVU	<i>Prunella vulgaris</i>	Dicot	Riparian shrub/wetland	N
RUSA	<i>Rumex salicifolius</i>	Dicot	Riparian shrub/wetland	N
SIOR	<i>Sidalcea oregana</i>	Dicot	Riparian shrub/wetland	N
TRLO	<i>Trifolium longipes</i>	Dicot	Riparian shrub/wetland	N
TRRE3	<i>Trifolium repens</i>	Dicot	Riparian shrub/wetland	NN
TRWO	<i>Trifolium wormskjoldii (T. wormskjoldii)</i>	Dicot	Riparian shrub/wetland	N
VEAM2	<i>Veronica americana</i>	Dicot	Riparian shrub/wetland	N
VIOLA	<i>Viola sp.</i>	Dicot	Riparian shrub/wetland	N
EQAR	<i>Equisetum arvense</i>	Fern Allies	Riparian shrub/wetland	N
EQHY	<i>Equisetum hyemale</i>	Fern Allies	Riparian shrub/wetland	N

**USDA FOREST SERVICE 2008
PLANT SURVEY FIELD FORM
(® = Required Fields)**

General Information

1) SURVEY ID: ® 061601S00MD003		2) SURVEY NAME: MASON DAM PROJECT		
3) SURVEY STATUS: ® COMPLETE		4) TARGET: ® <i>TESP</i>		5) SOURCE OF WORK: CONTRACT
6) Survey Type: ® GENERAL/ SYSTEMATIC				
7) Survey Focus: ® RIPARIAN				
8) Estimate of Survey Area Size (acres): 1.04			9) No. of Traverses: 6	
10) Elevation: Min: 4100		Max: 4200	Average: 4150	11) Elevation UOM: Feet
12) State: ®	13) County: ®	14) Region: ®	15) Forest: ®	16) District: ®
OR	Baker	06	16	01
17) Parameters of Survey (<i>Describe any ecological parameters, survey criteria or combinations of these used to focus the survey. (I.e., north slopes, specific habitat types, certain soils within certain forest conditions, survey timing, etc.):</i>)				
This survey includes riparian wetland habitats that occur along a small unnamed stream, east of Black Mountain Road, which enters Philips Lake.				
18) Survey Comments (<i>Directions, area description, specific comments by visit date, etc.):</i>)				
See areas labeled "3-1", "3-2", and "3-3" of the attached map (Attachment 1) for a description of the survey. Attachment 1 is located at the end of all of the Mason Dam Project survey sheets.				

Survey Visits

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

19) VISIT DATE ®	20) LAST NAME ® AND FIRST NAME ® OF EXAMINERS FOR EACH VISIT
11/2/2007	GECY, LESLIE AND CHRISTIE, CHRIS
07/29/08	GECY, LESLIE AND CHRISTIE, CHRIS

Target Species

Required. List all targeted plant species (TES, INPA, special forest products, or other species of concern) that are the focus of the survey. It may be helpful to separate TES from INPA species by page or block if survey is for both purposes. Enter all the species individually using the NRCS *PLANTS* code and/or scientific name. All columns are required.

21) ® NRCS Plant Code	22) ® Scientific name	23) ® Suitable habitat found	24) ® Plant found	25) ® FS Site ID(s) for EOs (If EO forms completed)
LEBU5	<i>Leptogium burnetiae</i>	no	no	
LECY60	<i>Leptogium cyanescens</i>	no	no	
PLOR3	<i>Pleuropogon oregonus</i>	no	no	
CALAA	<i>Carex lasiocarpa</i> var. <i>americana</i>	yes	no	
CARE4	<i>Carex retrorsa</i>	yes	no	
CYLUL	<i>Cyperus lupulinus</i> ssp. <i>lupulinus</i>	yes	no	
ELBO	<i>Eleocharis bolanderi</i>	yes	no	
PHMI7	<i>Phacelia minutissima</i>	yes	no	
PLOB	<i>Platanthera obtusata</i>	yes	no	
TRDO	<i>Trifolium douglasii</i>	yes	no	
ELBR5	<i>Elatine brachysperma</i>	no	no	
RORA	<i>Rotala ramosior</i>	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"

26) Completeness of species list: Complete **27) Cover Method** (if cover recorded): Actual

28) Comments (e.g. details about species list approach, habitat focus, vegetation types or structure, etc.):

Only dominant plants information is provided below. See Attachment 2 for a complete species list for this survey.

29) NRCS Plant Code	30) Scientific Name	31) Life Form	32) Habitat	33) % Cover or Class	34) Non- native
PIPO	<i>Pinus ponderosa</i>		Riparian shrub		n
POTR5	<i>Populus tremuloides</i>		Riparian shrub		n
ALIN2	<i>Alnus incana</i>		Riparian shrub		n
SYAL	<i>Symphoricarpos albus</i>		Riparian shrub		n
COSE16	<i>Cornus sericea</i> (<i>C. stolonifera</i>)		Riparian shrub		n
RIBES	<i>Ribes</i> spp.		Riparian shrub		n
SAAM2	<i>Salix amygdaloides</i>		Riparian shrub		n
AGST2	<i>Agrostis stolonifera</i> (<i>A. alba</i> var. <i>stolonifera</i>)		Riparian shrub		y*
ELGL	<i>Elymus glaucus</i>		Riparian shrub		n
DIFU2	<i>Dipsacus fullonum</i> (<i>D. sylvestris</i>)		Riparian shrub		y*
CYOF	<i>Cynoglossum officinale</i>		Riparian shrub		y*
GEMA4	<i>Geum macrophyllum</i>		Riparian shrub		n
CIRSI	<i>Cirsium</i> spp.		Riparian shrub		y*
JUEN	<i>Juncus ensifolius</i>		Riparian shrub		n
JUAR4	<i>Juncus articulatus</i>		Riparian shrub		n
GALIU	<i>Galium</i> spp.		Riparian shrub		n
TRLO	<i>Trifolium longipes</i>		Riparian shrub		n
CILA2	<i>Cinna latifolia</i>		Riparian shrub		n
GLST	<i>Glyceria striata</i> (<i>G. elata</i>)		Riparian shrub		n
EQHY	<i>Equisetum hyemale</i>		Riparian shrub		n
MIMO3	<i>Mimulus moschatus</i>		Riparian shrub		n
CIAL	<i>Circaea alpina</i>		Riparian shrub		n
MAST4	<i>Maianthemum stellatum</i> (<i>Smilacina stellata</i>)		Riparian shrub		n

Optional Location Information

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

35) USGS Quad Number:	36) USGS Quad Name: Blue Canyon & Phillips Lake
37) Forest Quad Number:	38) Forest Quad Name:

39) Legal Description: Required where public land survey is available.				
Meridian:	Township and Range:			
Section: _____	Q Sec: _____	QQ Sec: _____	QQQ Sec: _____	QQQQ Sec: _____

40) 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:		

41) UTM	
UTM Datum: NAD 83	UTM Zone: 11T
Easting: 0420047.0	Northing: 4946102.0
Easting: 0420490.3	Northing: 4946191.2
Easting: 0420560.0	Northing: 4946308.0


42) GPS Equipment: Manufacturer: Garmin	Model: V
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43) Metes and Bounds

44) Directions to Survey Area

From Baker City, Oregon travel southwest (towards Sumpter) on State Highway 7 for approximately 16 miles until you reach the Powder River Recreation Area. Turn left at the second entrance and continue west to the parking area closest to the dam. The survey area can be accessed from there (see Attachment 1).

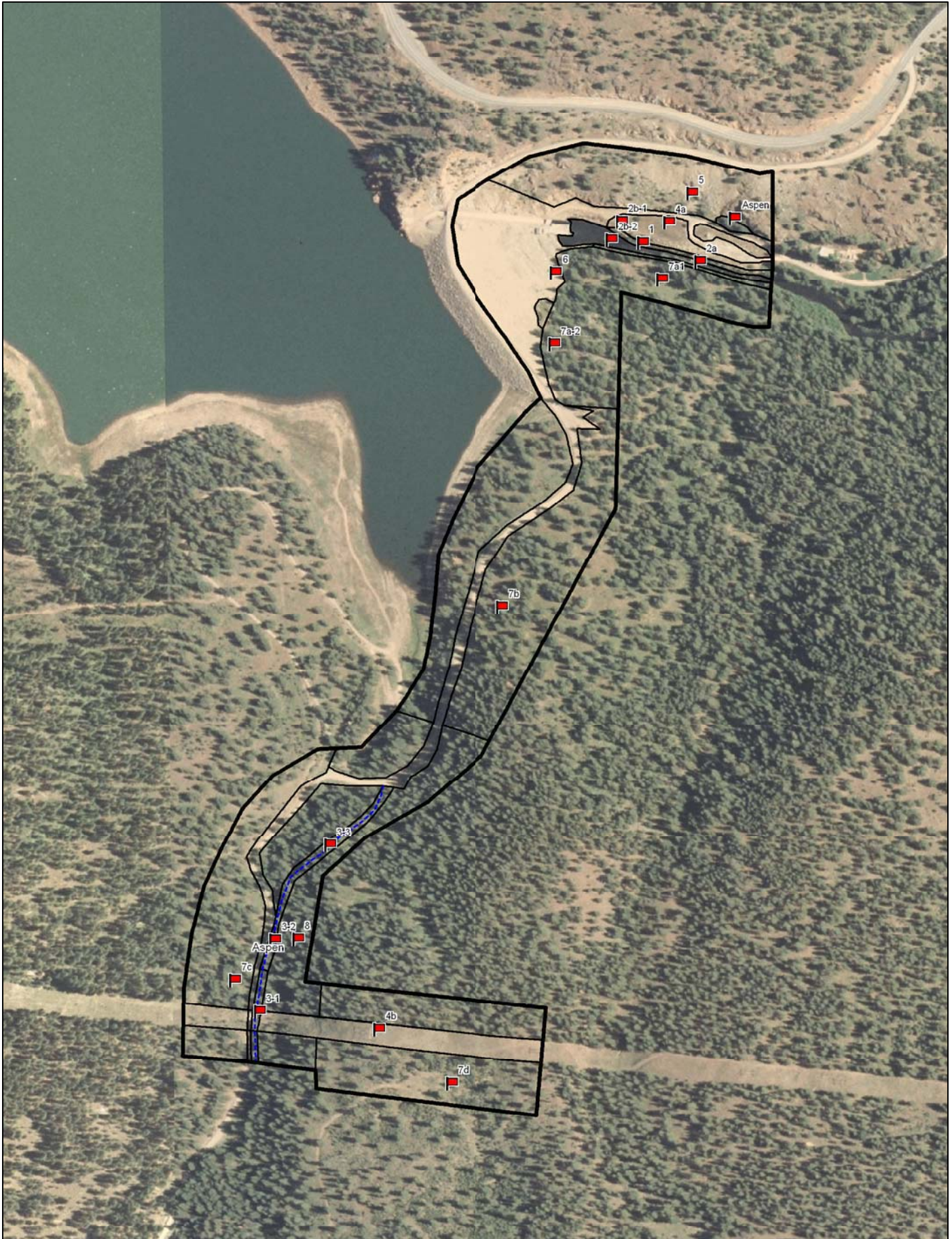
45) Sketch of Survey Area


SEE ATTACHMENT 1

COMPLETE SPECIES LIST OF TRIBUTARY RIPARIAN WETLANDS TESP SURVEY

NRCS PLANTS Code	Scientific Name	Vegetation Type	Habitat	Veg Status N=Native NN=Nonnative U=Unknown
PIPO	<i>Pinus ponderosa</i>	Tree	Riparian shrub	N
POTR5	<i>Populus tremuloides</i>	Tree	Riparian shrub	N
SAAM2	<i>Salix amygdaloides</i>	Tree	Riparian shrub	N
ALIN2	<i>Alnus incana</i>	Shrub	Riparian shrub	N
COSE16	<i>Cornus sericea (C. stolonifera)</i>	Shrub	Riparian shrub	N
RIAU	<i>Ribes aureum</i>	Shrub	Riparian shrub	N
RICE	<i>Ribes cereum</i>	Shrub	Riparian shrub	N
RIHU	<i>Ribes hudsonianum</i>	Shrub	Riparian shrub	N
RILA	<i>Ribes lacustre</i>	Shrub	Riparian shrub	N
RONU	<i>Rosa nutkana</i>	Shrub	Riparian shrub	N
ROWO	<i>Rosa woodsii</i>	Shrub	Riparian shrub	N
RUPA	<i>Rubus parviflorus</i>	Shrub	Riparian shrub	N
SYAL	<i>Symphoricarpos albus</i>	Shrub	Riparian shrub	N
AGST2	<i>Agrostis stolonifera (A. alba var. stolonifera)</i>	Herb Monocot	Riparian shrub	NN
CADE9	<i>Carex deweyana</i>	Herb Monocot	Riparian shrub	N
CILA2	<i>Cinna latifolia</i>	Herb Monocot	Riparian shrub	N
ELGL	<i>Elymus glaucus</i>	Herb Monocot	Riparian shrub	N
FESU	<i>Festuca subulata</i>	Herb Monocot	Riparian shrub	N
GLST	<i>Glyceria striata (G. elata)</i>	Herb Monocot	Riparian shrub	N
IRMI	<i>Iris missouriensis</i>	Herb Monocot	Riparian shrub	N
JUAR4	<i>Juncus articulatus</i>	Herb Monocot	Riparian shrub	N
JUEN	<i>Juncus ensifolius</i>	Herb Monocot	Riparian shrub	N
MAST4	<i>Maianthemum stellatum (Smilacina stellata)</i>	Herb Monocot	Riparian shrub	N
SCMI2	<i>Scirpus microcarpus</i>	Herb Monocot	Riparian shrub	N
STAM2	<i>Streptopus amplexifolius</i>	Herb Monocot	Riparian shrub	N
ACMI2	<i>Achillea millefolium</i>	Dicot	Riparian shrub	N & NN
ACCO4	<i>Aconitum columbianum</i>	Dicot	Riparian shrub	N

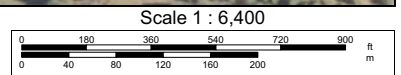
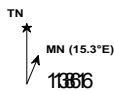
ACRU2	Actaea rubra		Dicot	Riparian shrub	N
CAOL	Cardamine oligosperma		Dicot	Riparian shrub	N
CIAL	Circaea alpina		Dicot	Riparian shrub	N
CIAR4	Cirsium arvense		Dicot	Riparian shrub	NN
CIVU	Cirsium vulgare		Dicot	Riparian shrub	NN
CYOF	Cynoglossum officinale		Dicot	Riparian shrub	NN
DIFU2	Dipsacus fullonum (D. sylvestris)		Dicot	Riparian shrub	NN
EPCI	Epilobium ciliatum (E. glandulosum)		Dicot	Riparian shrub	N
ERPH	Erigeron philadelphicus		Dicot	Riparian shrub	N
FRVE	Fragaria vesca		Dicot	Riparian shrub	N
GAAP2	Galium aparine		Dicot	Riparian shrub	N
GABO2	Galium boreale		Dicot	Riparian shrub	N
GATR2	Galium trifidum		Dicot	Riparian shrub	N
GATR3	Galium triflorum		Dicot	Riparian shrub	N
GEMA4	Geum macrophyllum		Dicot	Riparian shrub	N
HYCA4	Hydrophyllum capitatum		Dicot	Riparian shrub	N
MEAR4	Mentha arvensis		Dicot	Riparian shrub	N
MIGU	Mimulus guttatus (M. guttatus var. guttatus)		Dicot	Riparian shrub	N
MIMO3	Mimulus moschatus		Dicot	Riparian shrub	N
MIPE	Mitella pentandra		Dicot	Riparian shrub	N
MYLA	Myosotis laxa		Dicot	Riparian shrub	N
OSBE	Osmorhiza berteroi (O. chilensis)		Dicot	Riparian shrub	N
PEPR2	Penstemon procerus		Dicot	Riparian shrub	N
PRVU	Prunella vulgaris		Dicot	Riparian shrub	N
RAUN	Ranunculus uncinatus		Dicot	Riparian shrub	N
TRLO	Trifolium longipes		Dicot	Riparian shrub	N
URDI	Urtica dioica		Dicot	Riparian shrub	N & NN
VIOLA	Viola sp.		Dicot	Riparian shrub	N
EQHY	Equisetum hyemale		Fern Allies	Riparian shrub	N



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Combined Vegetation and TES assessment 15-0
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