

Figure D-1. Vegetation community mapping in Reach 2 and the upper portion of Reach 3.

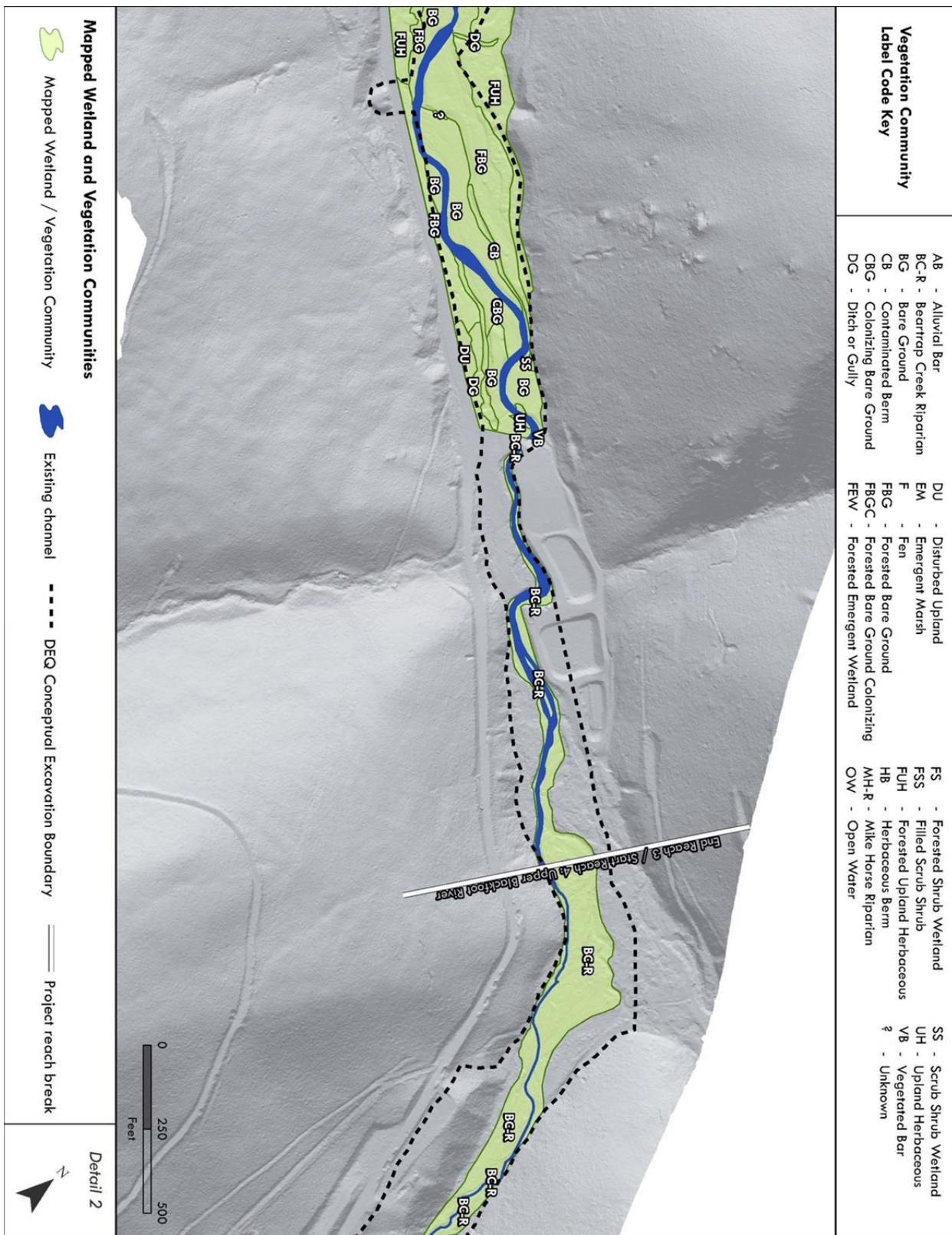


Figure D-2. Vegetation community mapping for lower Reach 3 and upper Reach 4.

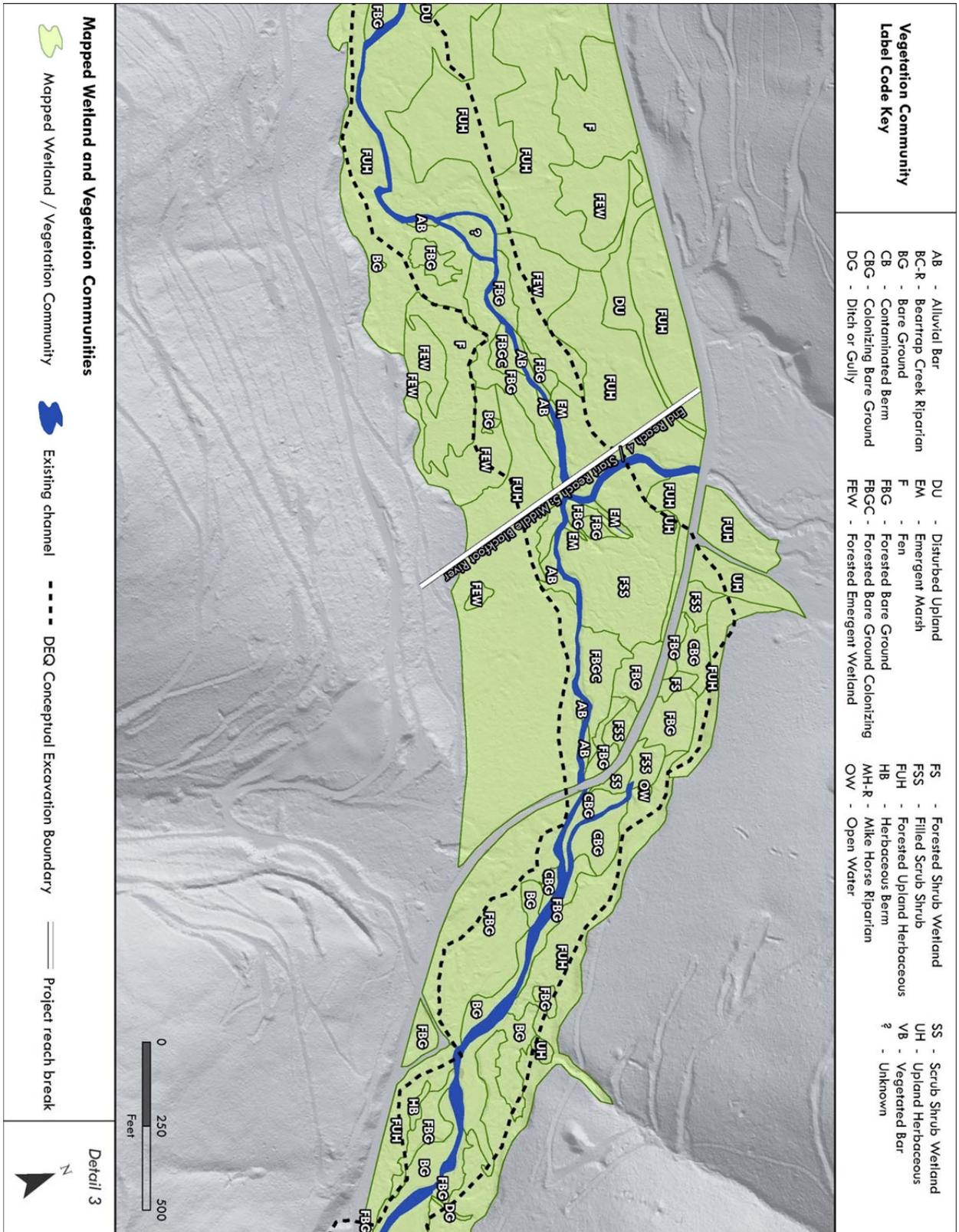


Figure D-3. Vegetation community mapping for lower Reach 4 and upper Reach 5.

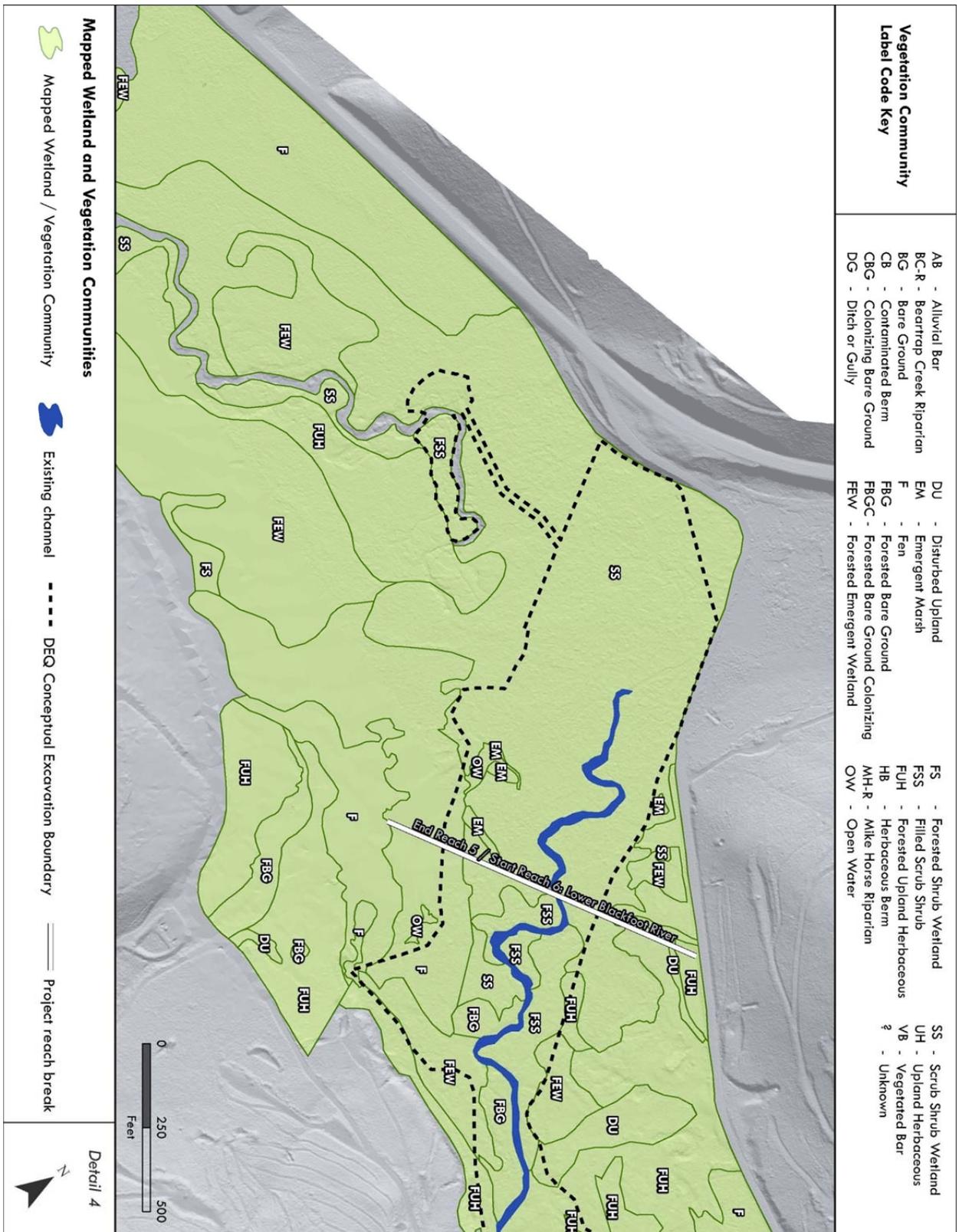


Figure D-4. Vegetation community mapping for lower Reach 5 and Reach 6.

Table D-1. Percent cover and wetland indicator status for each plant species found in the vegetation plot for the Upland Herbaceous vegetation community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Redtop	<i>Agrostis gigantea</i>	100%	FAC
Lodgepole pine	<i>Pinus contorta</i>	10%	FAC

¹Wetland Indicator Status from 2012 state of Montana NWPL Ratings

Table D-2. Percent cover and wetland indicator status for each plant species found in the vegetation plot for the Disturbed Upland vegetation community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Timothy	<i>Phleum pratense</i>	25%	FAC
Spotted knapweed	<i>Centaurea stoebe</i>	20%	NA
Common yarrow	<i>Achillea millefolium</i>	10%	FACU
Kinnikinnick	<i>Arctostaphylos uva-ursi</i>	10%	FACU
Sulphur-flower buckwheat	<i>Eriogonum umbellatum</i>	5%	NA
Creeping barberry	<i>Mahonia repens</i>	5%	FACU
Northern bedstraw	<i>Galium boreale</i>	2%	FACU
Slender cinquefoil	<i>Potentilla gracilis</i>	2%	FAC
	<i>Symphyotrichum</i>		
Western mountain aster	<i>spathulatum</i>	2%	FAC
Bluebell bellflower	<i>Campanula rotundifolia</i>	1%	FACU

¹Wetland Indicator Status from 2012 state of Montana NWPL Ratings

Table D-3. Percent cover and wetland indicator status for each plant species found in the vegetation plot for the Alluvial Bar vegetation community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Gray alder	<i>Alnus incana</i>	5%	FACW
Bluejoint	<i>Calamagrostis canadensis</i>	5%	FACW
Northwest Territory sedge	<i>Carex utriculata</i>	5%	OBL
Field horsetail	<i>Equisetum arvense</i>	5%	FAC
Bebb willow	<i>Salix bebbiana</i>	5%	FACW

¹Wetland Indicator Status from 2012 state of Montana NWPL Ratings

Table D-4. Percent cover and wetland indicator status for each plant species found in the vegetation plot for the Vegetated Bar vegetation community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Field horsetail	<i>Equisetum arvense</i>	30%	FAC
Gray alder	<i>Alnus incana</i>	15%	FACW
Lodgepole pine	<i>Pinus contorta</i>	15%	FAC
Ute lady's tresses	<i>Spiranthes diluvialis</i>	5%	FACW

¹Wetland Indicator Status from 2012 state of Montana NWPL Ratings

Table D-5. Percent cover and wetland indicator status for each plant species found in the vegetation plots for the Fen vegetation community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Plot 1			
Lodgepole pine	<i>Pinus contorta</i>	30%	FAC
Northwest Territory sedge	<i>Carex utriculata</i>	95%	OBL
Plot 2			
Northwest Territory sedge	<i>Carex utriculata</i>	99%	OBL

¹Wetland Indicator Status from 2012 state of Montana NWPL Ratings

Table D-6. Percent cover and wetland indicator status for each plant species found in the vegetation plot for the Forested Emergent Wetland vegetation community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Water sedge	<i>Carex aquatilis</i>	50%	OBL
Northwest Territory sedge	<i>Carex utriculata</i>	50%	OBL
Lodgepole pine	<i>Pinus contorta</i>	40%	FAC
Subalpine fir	<i>Abies lasiocarpa</i>	30%	FACU
Bebb willow	<i>Salix bebbiana</i>	10%	FACW
Chamisso sedge	<i>Carex pachystachya</i>	5%	FAC

¹Wetland Indicator Status from 2012 state of Montana NWPL Ratings

Table D-7. Percent cover and wetland indicator status for each plant species found in the vegetation plots for the Forested Shrub Wetland vegetation community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Plot 1			
Northwest territory sedge	<i>Carex utriculata</i>	85%	OBL
Lodgepole pine	<i>Pinus contorta</i>	30%	FAC
Gray alder	<i>Alnus incana</i>	15%	FACW
Water sedge	<i>Carex aquatilis</i>	15%	OBL
Narrowleaf willow	<i>Salix exigua</i>	15%	FACW
Tufted hairgrass	<i>Deschampsia cespitosa</i>	10%	FACW
Bebb willow	<i>Salix bebbiana</i>	10%	FACW

Table D-7. Percent cover and wetland indicator status for each plant species found in the vegetation plots for the Forested Shrub Wetland vegetation community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Plot 2			
Lodgepole pine	<i>Pinus contorta</i>	30%	FAC
Tufted hairgrass	<i>Deschampsia cespitosa</i>	30%	FACW
Redtop	<i>Agrostis gigantea</i>	20%	FAC
Drummond's willow	<i>Salix drummondiana</i>	20%	FACW
Bebb willow	<i>Salix bebbiana</i>	10%	FACW
Booth's willow	<i>Salix boothii</i>	10%	FACW
Engelmann spruce	<i>Picea engelmannii</i>	5%	FAC
Kentucky bluegrass	<i>Poa pratensis</i>	5%	FAC
Fireweed	<i>Chamerion angustifolium</i>	2%	FACU

¹Wetland Indicator Status from 2012 state of Montana NWPL Ratings**Table D-8.** Percent cover and wetland indicator status for each plant species found in the vegetation plot for the Forested Upland Herbaceous vegetation community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Bluejoint	<i>Calamagrostis canadensis</i>	100%	FACW
Subalpine fir	<i>Abies lasiocarpa</i>	25%	FACU
Lodgepole pine	<i>Pinus contorta</i>	15%	FAC
Lodgepole pine – Dead		10%	
Common cowparsnip	<i>Heracleum maximum</i>	5%	FAC
Engelmann spruce	<i>Picea engelmannii</i>	5%	FAC

¹Wetland Indicator Status from 2012 state of Montana NWPL Ratings**Table D-9.** Percent cover and wetland indicator status for each plant species found in the vegetation plots for the Forested Bare Ground vegetation community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Plot 1			
Lodgepole pine	<i>Pinus contorta</i>	30%	FAC
Gray alder	<i>Alnus incana</i>	5%	FACW
Bluejoint	<i>Calamagrostis canadensis</i>	5%	FACW
Booth's willow	<i>Salix boothii</i>	5%	FACW
Plot 2			
Lodgepole pine	<i>Pinus contorta</i>	25%	FAC
Subalpine fir	<i>Abies lasiocarpa</i>	10%	FACU
Engelmann spruce	<i>Picea engelmannii</i>	10%	FAC
Unknown grass		10%	
Gray alder	<i>Alnus incana</i>	5%	FACW
Arctic rush	<i>Juncus arcticus</i>	5%	FACW
Booth's willow	<i>Salix boothii</i>	5%	FACW

¹Wetland Indicator Status from 2012 state of Montana NWPL Ratings

Table D-10. Percent cover and wetland indicator status for each plant species found in the vegetation plot for the Colonizing Bare Ground vegetation community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Engelmann spruce	<i>Picea engelmannii</i>	10%	FAC
Lodgepole pine	<i>Pinus contorta</i>	10%	FAC
Gray alder	<i>Alnus incana</i>	5%	FACW
Northwest Territory sedge	<i>Carex utriculata</i>	5%	OBL

¹Wetland Indicator Status from 2012 state of Montana NWPL Rating

Table D-11. Percent cover and wetland indicator status for each plant species found in the vegetation plots for the Emergent Marsh community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Northwest territory sedge	<i>Carex utriculata</i>	65%	OBL
Water sedge	<i>Carex aquatilis</i>	40%	OBL
Booth's willow	<i>Salix boothii</i>	10%	FACW
Drummond's willow	<i>Salix drummondiana</i>	10%	FACW

¹Wetland Indicator Status from 2012 state of Montana NWPL Rating

Table D-12. Percent cover and wetland indicator status for each plant species found in the vegetation plots for the Shrub Wetland community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Plot 1			
Bebb willow	<i>Salix bebbiana</i>	45%	FACW
Booth's willow	<i>Salix boothii</i>	35%	FACW
Lodgepole pine	<i>Pinus contorta</i>	10%	FAC
Plot 2			
Bebb willow	<i>Salix bebbiana</i>	25%	FACW
Booth's willow	<i>Salix boothii</i>	25%	FACW
Tufted hairgrass	<i>Deschampsia cespitosa</i>	20%	FACW
Chamisso sedge	<i>Carex pachystachya</i>	10%	FAC
Northwest Territory sedge	<i>Carex utriculata</i>	10%	OBL
Engelmann spruce	<i>Picea engelmannii</i>	5%	FAC
Plot 3			
Blister sedge	<i>Carex vesicaria</i>	55%	OBL
Resin birch	<i>Betula glandulosa</i>	50%	FACW
Sphagnum moss	<i>Sphagnum spp.</i>	30%	NA
Northwest Territory sedge	<i>Carex utriculata</i>	20%	OBL
Lodgepole pine	<i>Pinus contorta</i>	20%	FAC
Bebb willow	<i>Salix bebbiana</i>	5%	FACW

¹Wetland Indicator Status from 2012 state of Montana NWPL Rating

Table D-13. Percent cover and wetland indicator status for each plant species found in the vegetation plot for the Mike Horse Moist Conifer Slope community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Douglas-fir	<i>Pseudotsuga menziesii</i>	30%	FACU
Dwarf bilberry	<i>Vaccinium cespitosum</i>	30%	FAC
Rusty menziesia	<i>Menziesia ferruginea</i>	20%	FACU
Lodgepole pine	<i>Pinus contorta</i>	20%	FAC
Broadleaf arnica	<i>Arnica latifolia</i>	10%	FAC
Grouse whortleberry	<i>Vaccinium scoparium</i>	10%	FACU
Common beargrass	<i>Xerophyllum tenax</i>	10%	UPL
Sitka alder	<i>Alnus viridus</i>	3%	FACW
Saskatoon serviceberry	<i>Amelanchier alnifolia</i>	3%	FACU
Common juniper	<i>Juniperus communis</i>	3%	UPL
Scouler's willow	<i>Salix scouleriana</i>	3%	FAC
White spirea	<i>Spiraea betulifolia</i>	3%	FACU
Common snowberry	<i>Symphoricarpos albus</i>	3%	FACU
Raceme pussytoes	<i>Antennaria racemosa</i>	<1%	UPL
Kinnikinnick	<i>Arctostaphylos uva-ursi</i>	<1%	FACU
Greater red Indian paintbrush	<i>Castilleja miniata</i>	<1%	FAC
Fireweed	<i>Chamerion angustifolium</i>	<1%	FACU
Unknown wintergreen	<i>Pyrola spp.</i>	<1%	

¹Wetland Indicator Status from 2012 state of Montana NWPL Rating

Table D-14. Percent cover and wetland indicator status for each plant species found in the vegetation plot for the Mike Horse Dry Conifer Slope community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Common juniper	<i>Juniperus communis</i>	40%	UPL
Lodgepole pine	<i>Pinus contorta</i>	20%	FAC
Dwarf bilberry	<i>Vaccinium cespitosum</i>	20%	FAC
Douglas-fir	<i>Pseudotsuga menziesii</i>	10%	FACU
White spirea	<i>Spiraea betulifolia</i>	10%	FACU
Rocky Mountain maple	<i>Acer glabrum</i>	3%	FACU
Serviceberry	<i>Amelanchier alnifolia</i>	3%	FACU
Common snowberry	<i>Symphoricarpos albus</i>	3%	FACU
Common beargrass	<i>Xerophyllum tenax</i>	3%	UPL
Unknown onion	<i>Allium spp.</i>	<1%	
Broadleaf arnica	<i>Arnica latifolia</i>	<1%	FAC
Unknown wintergreen	<i>Pyrola spp.</i>	<1%	
Spearleaf stonecrop	<i>Sedum lanceolatum</i>	<1%	UPL
western meadow-rue	<i>Thalictrum occidentale</i>	<1%	FACU

¹Wetland Indicator Status from 2012 state of Montana NWPL Rating

Table D-15. Percent cover and wetland indicator status for each plant species found in the vegetation plot for the Beartrap Creek Moist Conifer Slope community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Lodgepole pine	<i>Pinus contorta</i>	30% (includes dead)	FAC
Subalpine fir	<i>Abies lasiocarpa</i>	20%	FACU
Douglas-fir	<i>Pseudotsuga menziesii</i>	10%	FACU
Common juniper	<i>Juniperus communis</i>	3%	UPL
Twinberry honeysuckle	<i>Lonicera involucrata</i>	3%	FAC
White spirea	<i>Spiraea betulifolia</i>	3%	FACU
Common beargrass	<i>Xerophyllum tenax</i>	3%	UPL
Rocky Mountain maple	<i>Acer glabrum</i>	<1%	FACU
Western white clematis	<i>Clematis ligusticifolia</i>	<1%	FAC
Prickly currant	<i>Ribes lacustre</i>	<1%	FAC
Woods' rose	<i>Rosa woodsii</i>	<1%	FACU
Thimbleberry	<i>Rubus parviflorus</i>	<1%	FACU

¹Wetland Indicator Status from 2012 state of Montana NWPL Rating

Table D-16. Percent cover and wetland indicator status for each plant species found in the vegetation plot for the Beartrap Creek Dry Conifer Slope community.

Common Name	Scientific Name	Percent Cover	Wetland Indicator Status ¹
Bluebunch wheatgrass	<i>Pseudoroegneria spicata</i>	20%	UPL
Douglas-fir	<i>Pseudotsuga menziesii</i>	20%	FACU
Miscellaneous forbs		20%	
Elk sedge	<i>Carex garberi</i>	10%	UPL
Idaho fescue	<i>Festuca idahoensis</i>	10%	FACU
Common juniper	<i>Juniperus communis</i>	10%	UPL
Lodgepole pine	<i>Pinus contorta</i>	10%	FAC
Common yarrow	<i>Achillea millefolium</i>	<1%	FACU
Raceme pussytoes	<i>Antennaria racemosa</i>	<1%	UPL
Broadleaf arnica	<i>Arnica latifolia</i>	<1%	FAC
Creeping barberry	<i>Mahonia repens</i>	<1%	UPL
Roundleaf alumroot	<i>Heuchera cylindrica</i>	<1%	UPL
Longspur lupine	<i>Lupinus arbustus</i>	<1%	UPL
Common snowberry	<i>Symphoricarpos albus</i>	<1%	FACU
Meadow deathcamas	<i>Zigadenus venenosus</i>	<1%	UPL

¹Wetland Indicator Status from 2012 state of Montana NWPL Rating