

Needs- Fork. Pen. Radio. Tpo Lines on Units. Rd Access on Unit

MC008

MC036, MC035

Survey ID

BOTANICAL FIELD RECONNAISSANCE REPORT
Helena-Lewis and Clark National Forest

entered NRM
10/25/16
MM ✓

Project: Moose Creek

NEAR MC034,035
District:

Survey Area ID: Unit 36, 3

Survey Name: 011507030403 - MC008,035,036

Survey Date(s): 8/2

Surveyor/s: Justina Dumant

USGS Quad:

Location: T R S 1/4 1/16

UTM: NAD 83 Zone E

N

GPS unit/device

Error +

Trimble

Avenza

- see map

Other:

Location/Directions to Survey Area:

Unit 36, wandered around in veg type. No potential habitat based on dense semi-mesic understory

Use map to describe

Survey type: ^{unit 36} Field Check; Cursory; General; Intuitive Controlled; Complete

Describe survey route/effort taken:

Unit 3, accessed first Botany polygon, walked through both red then got back to the red and looked at the yellow.

Target Species: RI Sens + Noxious weeds

subalpine fire? *Abies lasiocarpa* PICO

Describe general habitat(s): Type, common species, plant associations, unique features, etc.:

- Unit 36 - (Decrepid) PSME stand - lots of dead fallen logs, some areas of thick regen; dense understory *Linnaea borealis*, (*Calamagrostis rubescens*), *Spiraea densiflora* *betuifolia*, *Rosa woodsii*, *Epilobium angustifolium*, *Galium borealis*, *Thalictrum* sp, Moss substantial ground cover
- Unit 3 - PICO (ABLA?). Open *Elymus* meadow creeping into understory

Management History/Current Uses:

timber, range, REC

Seral Stage: early mid late

Slope/s: ↑ Aspect/s: ↗
various

Elevation: 7139

Soil/Bedrock:

SPECIAL STATUS PLANTS (federally listed, FS sensitive)

Any known/historical populations in the project area? (Include species and EO#)

No

Any new populations found in the project area? (Include species and EO#)

No

Presence of Suitable Habitat for Listed Species (Provide brief explanation of why habitat is unsuitable or where suitable habitat occurs)

SENSITIVE SPECIES	SUITABLE? X=yes	EXPLANATION	PHOTO # OF SUITABLE HABITAT?
<i>Amerorchis rotundifolia</i>			
<i>Aquilegia brevistyla</i>	X		
<i>Astragalus lackschewitzii</i>			
<i>Botrychium crenulatum</i>	X		
<i>Botrychium paradoxum</i>	X		
<i>Cypripedium passerinum</i>	No		
<i>Cypripedium parviflorum</i>	No		
<i>Drosera anglica</i>			
<i>Drosera linearis</i>			
<i>Epipactis gigantea</i>			
<i>Goodyear repens</i>	X		
<i>Grindelia howellii</i>			
<i>Micranthes tempestiva</i>			
<i>Oxytropis podocarpa</i>			
<i>Phlox kelseyi</i> v. <i>missoulensis</i>	X		
<i>Pinus albicaulis</i>	X		
<i>Polygonum austinae</i>	X		
<i>Schoenoplectus subterminalis</i>			
<i>Thalictrum alpinum</i>			
<i>Veratrum californicum</i>	No X	→ <i>Veratrum</i> (green) common in meadow unit 3	
<i>Spiranthes diluvialis</i>	No No		

SPECIAL HABITATS (fens, sphagnum-peat community, meadows, old growth, whitebark pine, etc)

- *Veratrum* - *Elymus glaucus* meadow
- Riparian areas → very moist areas

DISTURBANCE/RISK OF INVASION (circle all that apply)*:

- | | | | | |
|------------------|---------------------|-------------------|--------------------------|--------------------|
| timber harvest | reforestation, | adjacent to urban | trails, | hydroelectric, |
| fuels reduction, | vegetation mgt | mining, | erosion, | other disturbance: |
| recent fire, | lack of vegetation, | recreation use, | <u>invasive species,</u> | |
| | rangeland use, | <u>roads,</u> | wasteland/fill site, | |

Explain in greater detail any disturbance noted above:

Any new infestations found in the project area? (Include species; describe and provide GIS/GPS data for infestation)

***Attach a complete species list and a map with route surveyed.

SPECIES LIST AND LOCATION MAP(S)

mit 3 -

Veratrum viride
Elymus glaucus
Fragaria virginiana
Achillea millefolium
Polygonum (sp)
Potentilla gracilis
Carex sp.
Veronica sp.
Geum macrophyllum
Pleum alpinum
Senecio triangularis
Osmorhiza chilensis
Cirsium canadensis (ellk)
 pleurocopus moss.
Taraxacum officinale
 PICO
 ABLA
 Small mustard(?)
Poa (pratense)
Ranunculus acris
Trifolium sp
Bromus inermis
Geranium richardsonii
Epilobium sp.
Agoseris (orange)
Agrostis scabra
Polygonum douglasii
Eriogonum
 Common Aster
 (Mimulus yellow)
Monarda p.
Castilleja miniata
Equisetum (arvense)
Arnica cordata

unit 36-

Calamagrostis
"twinberry" law
Vaccinium

) under PSME overstory w/ lots of fallen logs
high % ground cover for shrubs on forest floor