

Prairie Rain Garden

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Master of Environmental Horticulture Project

Objectives:

- Prevent runoff from ponding on trail
- Create a diverse native grassland plant community
- Measure vegetation and hydrology to help inform plant species selection for restoration/stormwater design projects

Results:

- No more trail ponding
- 28 native plant species on site (32% site cover)
- Four “pools” with varied saturation periods, depending on elevation (91- 187 days per year)

Estimated percent cover of 10 most abundant plant species:

Deschampsia cespitosa: 16%

Festuca idahoensis: 9%

Elymus glaucus: 4%

Carex inops: <1%

Carex obnupta: <1%

Eriophyllum lanatum: <1%

Lupinus lepidus: <1%

Achillea millefolium: <1%

Erigeron speciosus: <1%

Anaphalis margaritacea: <1%

