

BLM Eastern States Chesapeake Watershed CESU Annual Meeting

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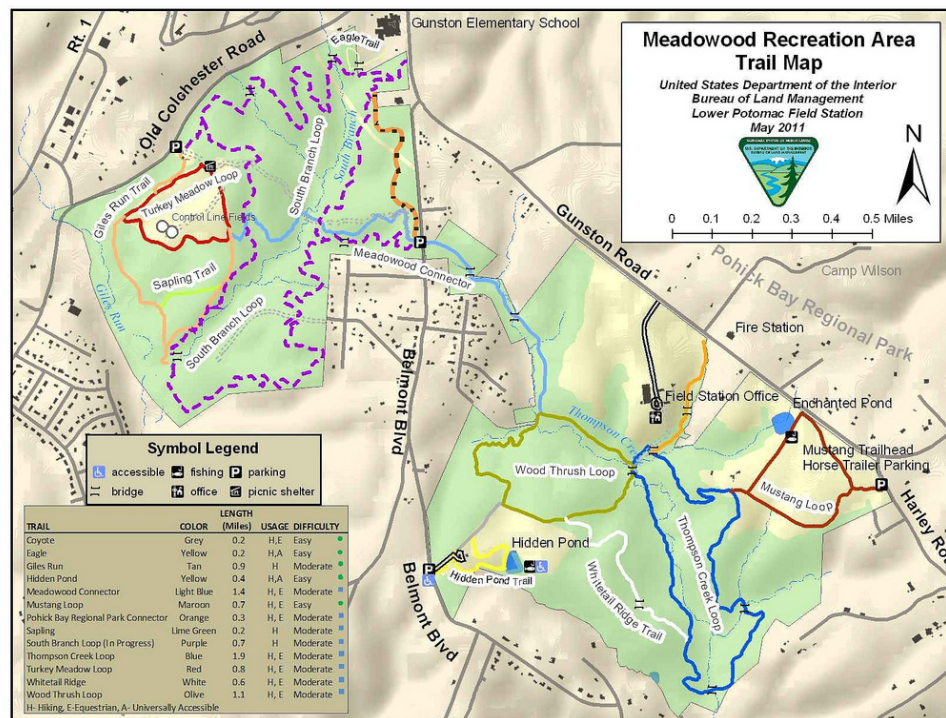




Meadowood Special Recreation Management Area, Lorton, VA

BLM

Eastern States Office



Multifunctional Management at Meadowood SRMA

- Agreement Number: L16AS00127; \$92,000
- University Partner: Virginia Tech
- Objectives:
 - Assess forest composition, health, and understory plant diversity and abundance
 - Determine wildlife diversity and abundance
 - Assess condition of streams and riparian areas
 - Utilize baseline to identify desired future ecosystem conditions and inform updated management plan



Multifunctional Management at Lower Potomac Field Station

Technical Approach

- Forest Inventory:
 - 1/10th acre plots distributed uniformly
 - Stand structure (species, density, size, age, live crown, height)
 - Stands over-stocked, mature and mid-development, low number of snags
 - Species composition fairly diverse (19 species, mostly hardwoods)
- Wildlife:
 - Game cameras, Sherman traps, acoustic surveys, observation checklists



Multifunctional Management at Lower Potomac Field Station

Next Steps (2018)

- Complete forest inventory and wildlife surveys
- Delineate forest stand boundaries
- Site and collect water quality measurements along creeks
- Initiate survey of recreation users and preferences

Analysis and Recommendations

- Spatial overlay of land uses, habitats, wildlife distribution, and sensitive sites
- Incorporate citizen science and other observational data
- Provide range of management prescriptions based on hierarchical process of trade-offs

