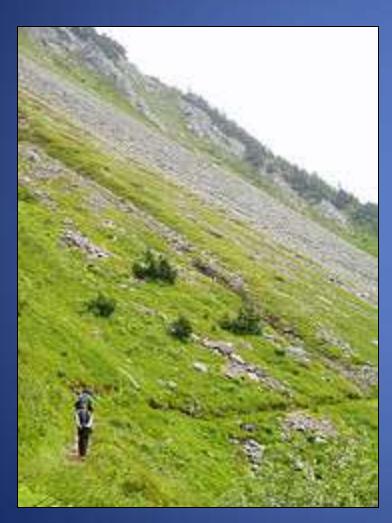
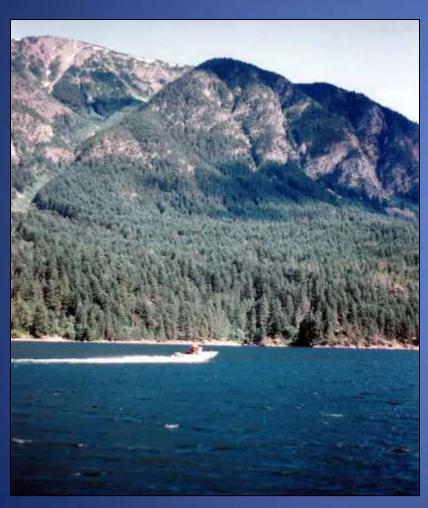


People access and use NOCA in a number of ways....





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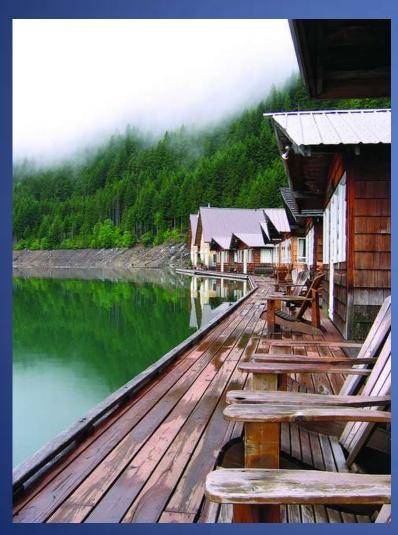


People access and use NOCA in a number of ways....



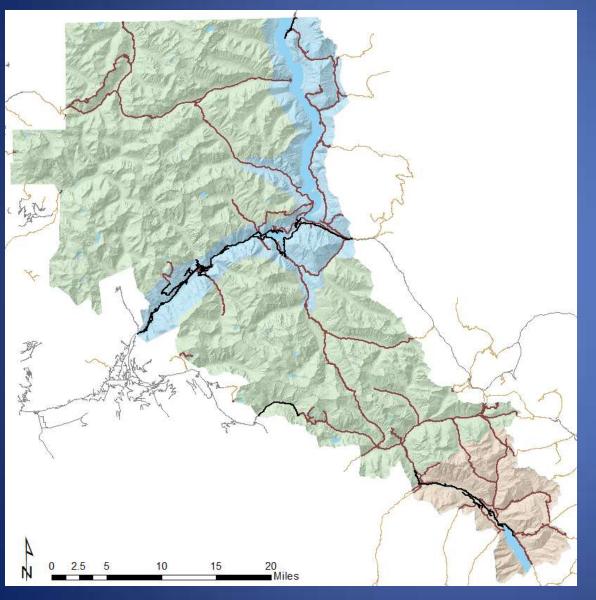


People access and use NOCA in a number of ways...





Roads and trails network





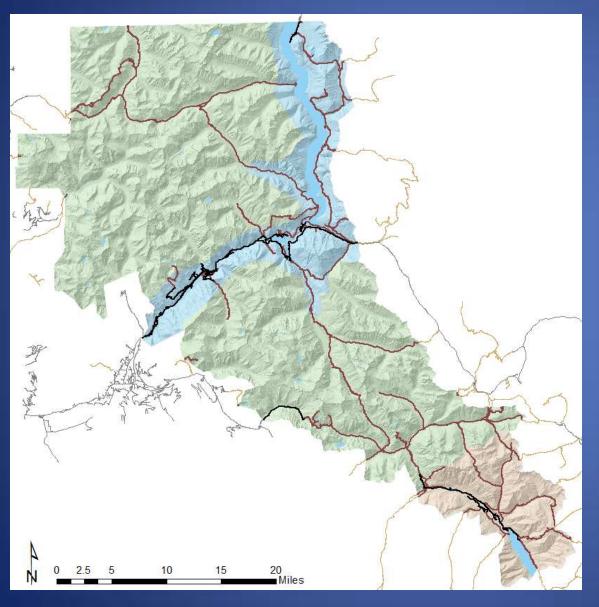
Roads

- NPS : 47 miles
- WSDOT (SR20): 28 miles

Surface type

- Bituminous: 11 miles
- Gravel: 33 miles
- Soil: 1.3 miles

Roads and trails network





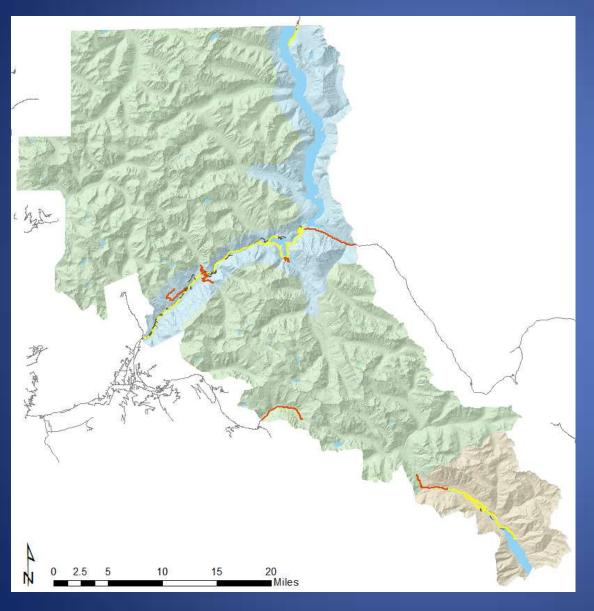
Bridges

- NPS: 11
- WSDOT (SR20): 14

Culverts

- NPS: 194
- WSDOT (SR20): 268

Roads: Year-round vs. seasonal use



Legend

Park Roads

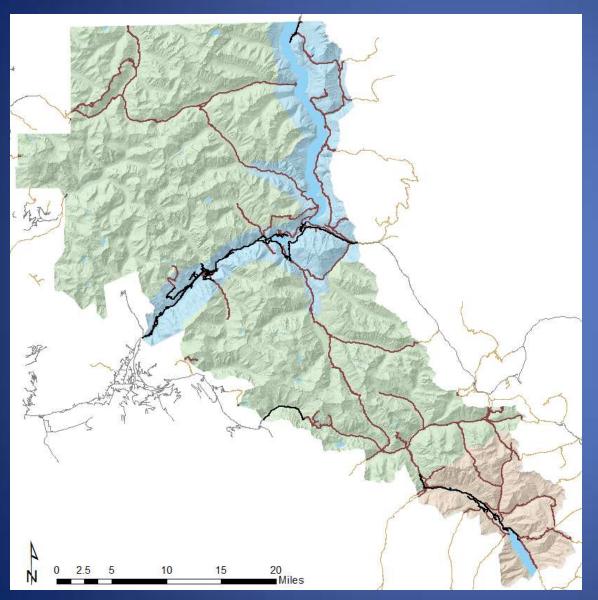
Year-round

____ Seasonal

Private/Other

Non-Park Roads

Roads and trails network



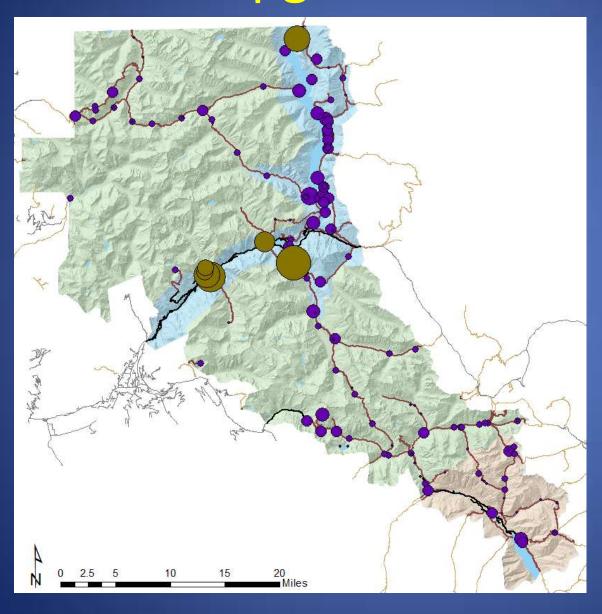


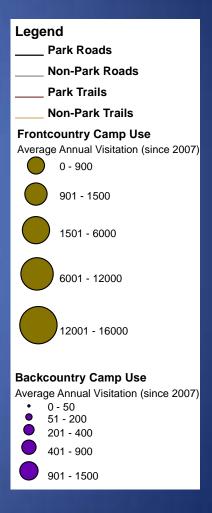
Trails:

- Hiker only: 133 miles
- Pack animal: 256 miles

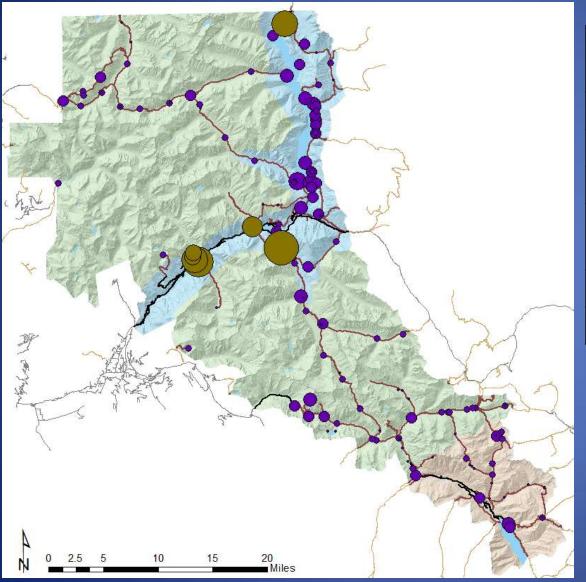
Trail bridges (FHWA inspected): 11

Campgrounds and use



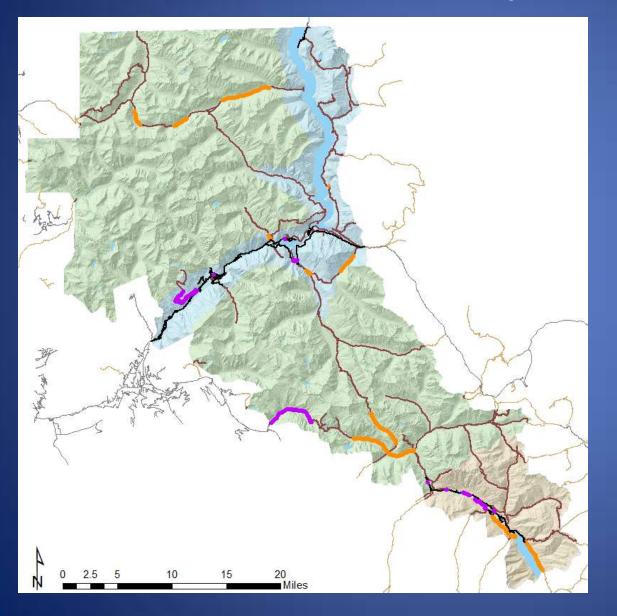


Campgrounds: number and capacity



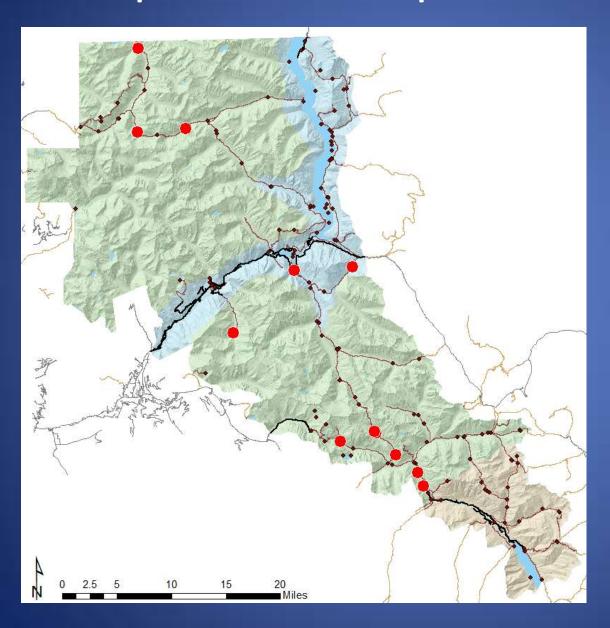
Frontcountry		
sites		
Individual	Group	Capacity
266	4	1984
Backcountry		
sites		
Individual	Group	Capacity
260	34	1726

Roads & trails w/ multiple damage events

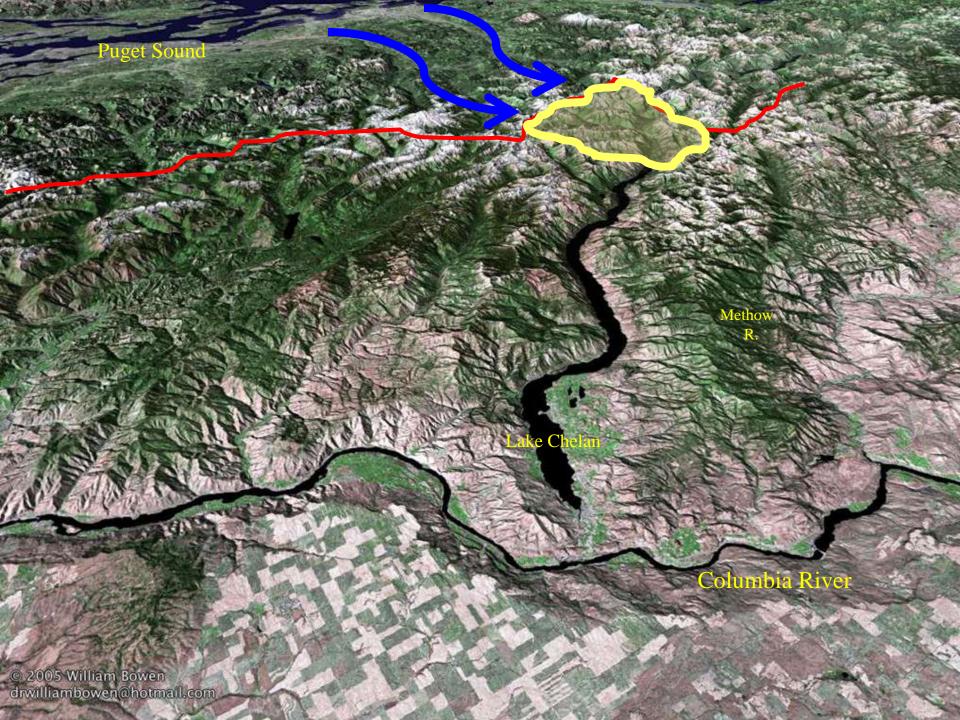




Camps with multiple damage events



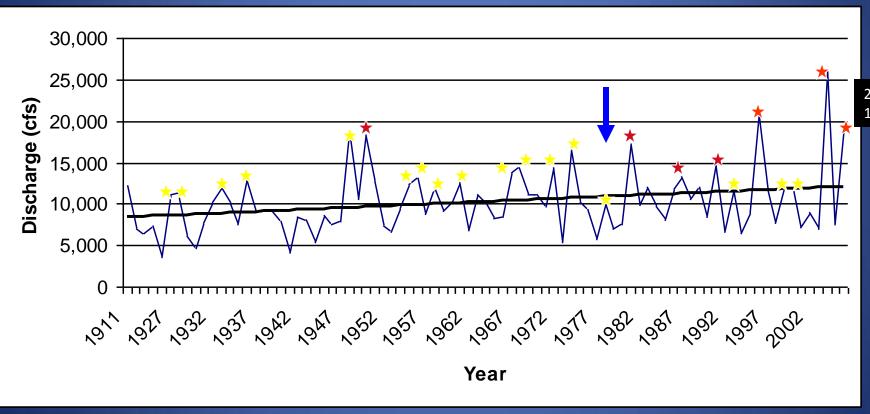




Magnitude and Timing of the Annual Peak Flood on the Stehekin River







2006-19,100







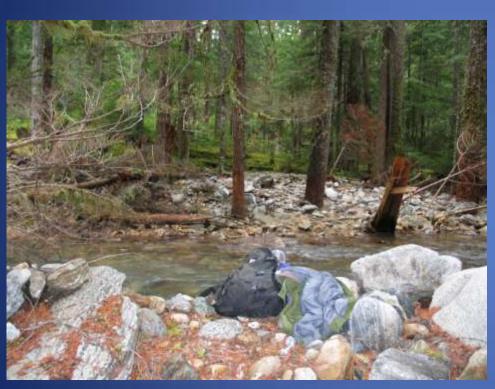


West side road/flood issues





Trail vulnerabilities

















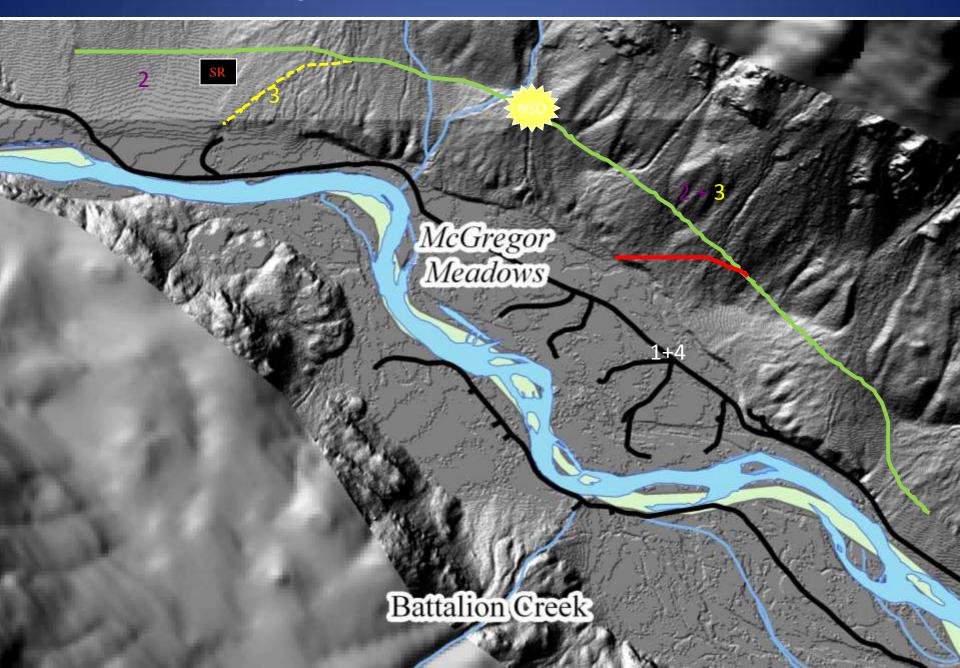


Road to dam (and Ross Lk Resort)

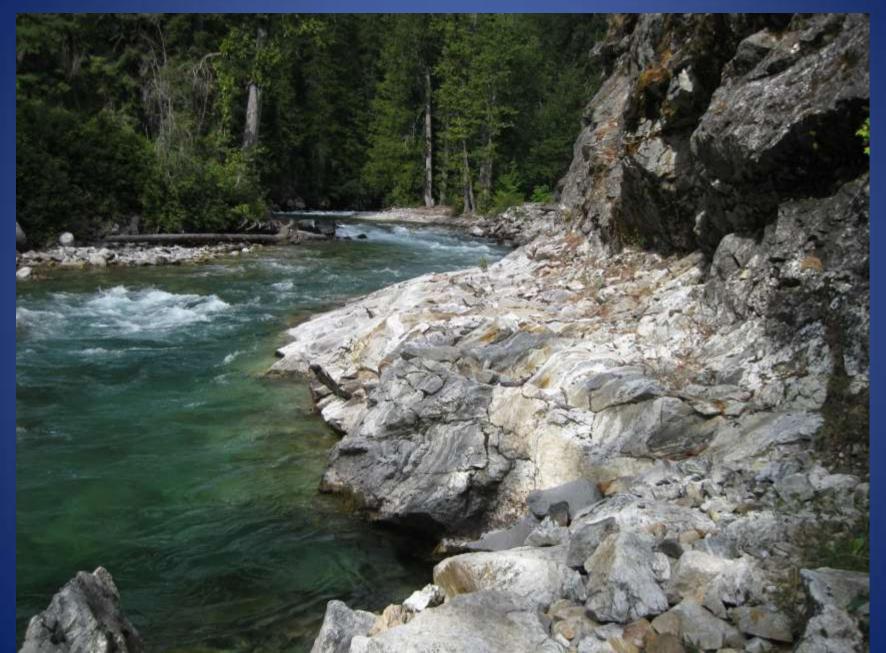


Powerhouse

NPS response? – move out of CMZ



Road abandonment – but at a cost



Embrace it...? – interpretive trail



NPS Planning

- General Mgmt Plan Ross Lake NRA 2011
 - "close, abandon, or rehab facilities destroyed by severe weather events"
 - for facilities destroyed "[if possible] first attempt to construct in the general vicinity; otherwise, construct at another feasible location to limit net loss"
 - "strive to preserve camping opportunities at Colonial Creek; if reconstruction not feasible, replace sites at another already disturbed location"

NPS planning

- Ross Lake GMP:
 - "Abandon or rehab affected portions of Goodell Crk campground; alternative access...would be provided to the west of the existing access road"
 - "build replacement sites to the west of the Goodell Creek Lower Group campground, as necessary"