

National Park Service: Research, Technical Assistance and Education Needs

Cultural Resources

- Archeological and Historic Building Surveys for Sections 106 and 110 Compliance
- National Register Nominations and Determinations of Eligibility (DOE)
- Historic Structures Reports (HSR)
- Cultural Landscape Inventories (CLI) and Cultural Landscape Reports (CLR)
- Technical Assistance with Museum and Archive Collections
- Assistance with NAGPRA and Tribal Consultation Projects
- Ethnographic Studies

Social Science

- Who are our visitors and how do they use the parks?
- How can we increase visitation and outreach to the public?
- What is the value of the parks to the regional economies?
- How can park managers adapt to climate change
- How does the density of visitor use affect the primary qualities of park experience?

Natural Resources

- How do we prioritize non-native species (plants and animals) and how do we control them, while still maintaining ecosystem integrity?
- Methodology to predict the rate of spread of invasive species
- Documentation of the impacts of invasive species
- How do we get our fundamental inventories done?
- What is the role of fire in ecosystem integrity, and how can we model future vegetation in light of climate change
- How can parks deal with connectivity for migrating wildlife and plant communities?

- Management implications of global climate change; in the Great Basin issues of interactions of fire and invasive plants
- Inventories of macrofungi, bryophytes, and invertebrates
- Monitor the effects of groundwater withdrawal on aquatic (and terrestrial) communities
- How are patterns of existing vegetation communities changing?
- What species can be used as indicators of ecological change?
- What remedial designs are needed to facilitate passage of species and water across transportation networks, roads in particular?
- To what extent do recreational impacts reduce ecological integrity?
- What are the primary vectors of invasive plant introduction and spread?
- What non-native species are arriving in park aquatic ecosystems and how do we control and eradicate them?
- Restoration of disturbed lands
- What are the wildlife and human health effects of the deposition of airborne toxics to aquatic systems, with an emphasis on fish exposure?

NPS Contacts:

- Kathy Tonnessen, NPS, RM-CESU, 406-243-4449, kathy_tonnessen@nps.gov
- Christine Whitacre, NPS, RM-CESU, 406-243-2660, Christine_whitacre@nps.gov
- Angela Evenden, NPS, GB-CESU, 775-784-4616, angela_evenden@nps.gov
- Larry Norris, NPS, DS-CESU, 520-621-7998, lnorris@ag.arizona.edu
- Pat O'Brien, NPS, DS-CESU, 520-621-2484, obrienw@email.arizona.edu
- Ron Hiebert, NPS, CP-CESU, 928-523-0877, ron.hiebert@nau.edu
- Trinkle Jones, CP-CESU, 480-727-8980, a_trinkle_jones@nps.gov