

107
EIS
D
W/07
ABC

RESTORATION OPTIONS AND SUBOPTIONS FOR FURTHER CONSIDERATION
4/24/92 DRAFT

Management of Human Uses

1. Archaeological resource protection
 - a. create archeological site stewardship program involving local citizens
 - b. increase agency field presence
 - c. expand public education efforts
2. Intensify management of fish and shellfish
3. Increase management for fish and shellfish that previously did not require intensive management
4. Reduce disturbance at marine bird colonies and marine mammal haul-out sites and rubbing beaches
 - a. educate tour and charter boat operators about need to reduce disturbance of injured species
 - b. establish or expand designated buffer zones
 - c. greater enforcement of State and Federal laws and increased field presence
5. Reduce harvest by redirecting sport-fishing pressure
 - a. prepare/implement a fisheries management plan
 - b. public education to encourage voluntary conservation (e.g. catch and release)
6. Redesignate a portion of the Chugach National Forest as a National Recreation Area or Wilderness Area
 - a. redesignate as National Recreation Area
 - b. redesignate as Wilderness Area

7. Increase management in parks and refuges (i.e. public lands)
 - a. educate public about minimizing their impact on recovering resources
 - b. increase field presence of management agencies in affected areas
8. Restrict or eliminate legal harvest of marine and terrestrial mammals and sea ducks
 - a. temporarily restrict or close harvests of injured species in the oil-spill area
 - b. educate public to encourage voluntary reductions of commercial, sport and subsistence harvest levels
9. Minimize incidental take of marine birds by commercial fisheries
 - a. temporarily modify commercial fishing regulations to avoid known concentrations of marine birds
 - b. develop new technology or strategies for reducing encounters (mesh size, fishing depth, etc.)

Manipulation of Resources

10. Preservation of archaeological sites and artifacts
11. Improve or supplement stream and lake habitats for spawning and rearing of wild salmonids
 - a. supplement fry production (e.g. egg boxes and net pens for fry rearing)
 - b. improve access to spawning areas (e.g. fish passes, remove instream barriers)
 - c. improve spawning and rearing habitat (e.g. create spawning channels, add woody debris, improve substrate, lake fertilization, reduce siltation rates)

12. Creation of new recreation facilities
 - a. replace recreational facilities
 - b. construct new recreational facilities
13. Eliminate sources of persistent contamination of prey and spawning substrates
 - a. eliminate sources of contaminated prey (e.g. site-manipulation to facilitate natural weathering, removal of oiled mussel beds)
 - b. replace or rehabilitate oiled spawning substrates important for intertidal and subtidal species
14. Accelerate recovery of upper intertidal zone (test feasibility of natural recovery)
15. Supplement intertidal and subtidal substrates for spawning herring
16. Test feasibility of enhancing murre productivity
 - a. enhance social stimuli (decoys and recorded calls)
 - b. improve physical characteristics of nest sites
 - c. reduce predator access
17. Eliminate introduced foxes from islands important to nesting marine birds
18. Replace fisheries harvest opportunities by establishing alternative salmon runs (which don't overlap with depleted runs)
 - a. establish additional hatchery runs
 - b. transplant hatchery reared fish to depleted areas
 - c. use wild egg takes from non-injured streams to establish new runs

} to 15

Habitat Protection and Acquisition

19. Update and expand the State's Anadromous Fish Stream Catalog

20. Establish an Exxon Valdez oil spill "special management area"

- a. amend AK Coastal Zone Management Act
- b. amend State and/or Federal land management plans
- c. State and/or Federal legislation

21. Acquire tidelands

- (37)
- a. purchase title or rights
 - b. protection without purchase

22. Designate protected marine areas

- a. State Marine Parks
- b. National Marine Sanctuary
- c. Estuarine Reserve
- d. other: modify management plans or policies

23. Acquire additional marine bird habitats

- (37)
- a. purchase title or rights
 - b. protection without purchase

24. Acquire "inholdings" within parks and refuges

- (37)
- a. purchase title or rights
 - b. protection without purchase