Appendix 13A Management Plan Outline

Table of Contents

Executive Summary
   Summary of essential issues within the plan and relevant decisions/management actions

Introduction
   Purpose and scope of plan

PART 1: OVERVIEW AND VISION

Overview
   1. Reserve description
      a. Importance and key features of reserve
      b. Summary of resources, how reserve is used, legal and management framework
   2. Opportunities for the reserve
   3. Principal threats to reserve function, management, and/or maintenance

Vision
   1. Broad, long-term vision for the reserve
   2. Guiding policies for the management of the reserve
   3. Any goals not specific to programs, administration, or facilities

Background: Biological and Cultural Resources
   1. Environmental setting
      a. Location
      b. Topography
      c. Geology
      d. Soils
      e. Watersheds and hydrology
      f. Habitat types
   2. Landscape history
      a. Resource use (e.g. agriculture, grazing, logging)
      b. Natural events (e.g. fire, flood)
      c. Ownership, inholdings
      d. Description of adjacent lands
   3. Biological resources
      a. Vegetation communities
      b. Plant species of interest
      c. Wildlife species of interest
      d. Wildlife corridors
      e. Sensitive species/ populations
      f. Current threats and management issues
   4. Cultural resources
      a. Description of cultural resources
      b. Current threats and management issues

Zoning
   If a zoning plan exists, include here or append separate document
PART 2: RESERVE USER PROGRAMS

1. Overview of programs
   a. Research
   b. University-level Education
   c. Public Service

2. Reserve user programs
   a. Research
      i. Status
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   b. University-level Education
      i. Status
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   c. Public service
      i. Status
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks

3. Summary list and prioritization of goals, objectives, and tasks

PART 3: CONSERVATION & STEWARDSHIP PROGRAMS

1. Overview of programs
   a. Habitat preservation program
   b. Restoration and enhancement program
   c. Invasive exotic plant removal plan
   d. Endangered and threatened species protection and recovery program
   e. Animal damage control program
   f. Public access program
   g. Inventory and monitoring program
   h. Vector control program
   i. Watershed management program
   j. Flood control program
   k. Cultural resource protection program

2. Conservation/ stewardship programs
   a. Habitat preservation program
      i. Status
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   b. Restoration and enhancement program
      i. Status
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   c. Invasive plant removal plan
      i. Status
      ii. Existing policies
d. Endangered and threatened species protection and recovery program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks

e. Inventory and monitoring program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks

f. Animal damage control program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks

g. Public access program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks

h. Vector control program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks

i. Watershed management program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks

j. Flood control program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks

k. Cultural resource protection program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks

3. Summary list and prioritization of goals, objectives, and tasks

PART 4: ADMINISTRATION

1. Overview of administrative programs
   a. Reserve administration
   b. Fiscal program
   c. Communications program
   d. Health and safety program
   e. Catastrophic event response program
   f. Cooperative management program
   g. Acquisition and easement program

2. Administrative programs
a. Reserve administration
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks
b. Fiscal program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks
c. Communications program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks
d. Health and safety program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks
e. Catastrophic event response program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks
f. Cooperative management program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks
g. Acquisition and easement program
   i. Status
   ii. Existing policies and current management actions
   iii. Goals, objectives, and tasks

3. Summary list and prioritization of goals, objectives, and tasks

PART 5: FACILITIES

1. Overview of facilities
   a. Housing
   b. Work Space
   c. Utilities
   d. Communication Systems
   e. Environmental Monitoring Systems
   f. Experimental Systems
   g. Circulation and Access
   h. Vehicles
   i. Garages and Boat Houses
   j. Storage and Maintenance Facilities
   k. Security and Emergency Systems
   l. Map(s) of Facilities

1 Please refer to Chapter 14 of the NRS Administrative Handbook for Guidelines for Facilities Development. The types of facilities listed here are detailed in the Facilities Checklist in Chapter 14 Appendix A.
2. Facilities
   a. Housing
      i. Description
      ii. Occupancy limits
      iii. Existing policies and current management actions
      iv. Goals, objectives, and tasks
   b. Work Space
      i. Description
      ii. Occupancy limits
      iii. Existing policies and current management actions
      iv. Goals, objectives, and tasks
   c. Utilities
      i. Description
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   d. Communication Systems
      i. Description
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   e. Environmental Monitoring Systems
      i. Description
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   f. Experimental Systems (e.g. structures, perturbations)
      i. Description
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   g. Circulation and Access (e.g. roads, trails, parking, docks)
      i. Description
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   h. Vehicles
      i. Description
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   i. Garages and Boat Houses
      i. Description
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   j. Storage and Maintenance Facilities
      i. Description
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
   k. Security and Emergency Systems
      i. Description
      ii. Existing policies and current management actions
      iii. Goals, objectives, and tasks
3. Summary list and prioritization of goals, objectives, and tasks
PART 6: APPENDICES

Suggested Appendices

1. Species lists
2. List of research projects and activities at reserve (specify date range)
3. List of publications resulting from work at the reserve (specify date range)
4. Deeds, easements, and cooperative agreements
5. Federal and state requirements associated with the reserve
6. List of important contacts
7. Record of important decisions made concerning the reserve, rationale for decisions, and by whom the decisions were made