

APPENDIX 13A
MANAGEMENT PLAN OUTLINE

I. Introduction and Statement of Purpose

- A. Purpose of the Natural Reserve System
- B. Site Significance and Purpose: _____ Reserve
 - 1. Site Values and Significance
 - a. state and regional context
 - 2. Acquisition History
 - 3. Statement of Purpose
- C. Overview of Reserve Programs
 - 1. Research
 - 2. Teaching
 - 3. Public Service
- D. Overview of Reserve Use
 - 1. User Groups and Programs
 - a. individuals
 - b. departments
 - c. programs
 - d. ORU's
 - e. classes
 - 2. Use Levels and Trends
- E. Purpose of The Management Plan
- F. Implementation and Revision of The Management Plan

II. Description of the _____ Reserve

- A. Location and Topography
- B. Climate
- C. Vegetation and Flora
- D. Fauna
- E. Geology
- F. Soils
- G. Watersheds, Drainage Patterns, and Hydrology
- H. Archaeology/Cultural Resources
- I. Land Use History and Ownership
 - 1. Resource Use (e.g., agriculture, grazing, logging)
 - 2. Natural Events (e.g., fire, flood)
 - 3. Component Areas
 - by parcel or geographic location
 - by land tenure (i.e., fee title, easement, lease, license, use agreement, or other)
 - 4. Inholdings
 - 5. Surrounding Lands
 - 6. Nearby Reserves and Field Stations

- J. Ecological Security
 - 1. Land Use Impacts
 - 2. Boundaries: habitat additions and buffer zones
- K. Reserve Facilities
 - 1. Structures and Building Enclaves
 - 2. Utilities
 - 3. Roads and Trails
 - 4. Environmental Monitoring and Grid Systems
 - 5. Other

III. Limitations for Management and Use

- A. Natural Limitations
 - 1. Topography and Access
 - 2. Natural Processes (e.g., fire, flood, succession, erosion)
 - 3. Site Fragilities (e.g., sensitive populations)
 - 4. Carrying Capacity and Limits of Acceptable Change
- B. Occupancy Limits
 - 1. Building Capacity
 - 2. Utilities Capacity
 - 3. Parking, Road, and Trail Capacity
- C. Balance of Teaching, Research, and Public Service
 - 1. Application Policies and Procedures
 - 2. Evaluation Criteria
- D. Legal and Regulatory Requirements
 - 1. Land Tenure Conditions (e.g., deed or use restrictions)
 - 2. Agency Permits and Regulations
- E. Staff and Budget Limitations

IV. Resource Management Program

- A. Management Objectives
- B. Management Issues
 - (status, policies, management prescriptions, and inventory & monitoring needs for each)
 - 1. Natural Processes
 - a. fire and prescribed burning
 - b. flood
 - c. erosion and sedimentation
 - d. succession
 - e. infestation and disease
 - 2. Sensitive Elements
 - a. habitat types
 - b. species
 - 3. Grazing
 - 4. Weed and Feral Animal Control

5. Spillover Impacts: adjacent land use
6. Other:

V. Research: Management and Support

- A. Research Management Goals
- B. Current Research Guidelines
- C. Proposal Review
- D. Research Support

VI. Education: Management and Support

- A. Education Management Goals
- B. Current Class Guidelines:
 1. UC Courses
 2. Non-UC Courses
 3. Extension Courses and Public Education
 4. Other: (e.g., primary and secondary classes, conservation groups)
- C. Proposal Review
- D. Instructional Support

VII. Public Service

- A. Applied Research
- B. Consultation Services: ecological and resource management issues
- C. Habitat and Species Preservation
- D. Open Space and Watershed Preservation
- E. Public Education and Outreach
 1. Publications
 2. Open Houses
 3. Other

VIII. Zoning

- A. Pristine Areas
- B. Natural Areas
- C. Experimental Manipulative Areas
- D. Developed Areas
- E. Buffer Zones
- F. Use of Adjacent Public and Private Lands
- G. Land Use Policies and Guidelines
 1. Use Policies and Guidelines
 2. Development Policies and Guidelines
 3. Separation of Teaching, Research and Public Use

- a. location
- b. scheduling
- 4. Site Documentation and Location
 - a. plot maps
 - b. grid systems

IX. Regional Integration

- A. Relationship with Other Universities
- B. Relationship with Other Reserves and Field Stations
- C. Relationship with Agencies and Local Governments
- D. Relationships with Adjacent Land Owners
- E. Public Relations Program
 - 1. Friends Group
 - 2. Newsletter
 - 3. Tours and Open Houses

X. Facilities

- A. Facilities Goals and Objectives
- B. Relation to Programs and use
 - 1. Trends
 - 2. Needs Identification
 - 3. Prioritization Criteria
- C. Reserve Facilities Planning Study
 - 1. Phasing
 - 2. Siting
 - 3. Funding

XI. Administration and Maintenance

- A. Current Administration
 - 1. Faculty Reserve Manager
 - 2. Resident Manager and Staff
 - 3. Management Advisory Committee
 - 4. Campus NRS Administrator and Advisory Committee
- B. Current Maintenance
 - 1. Staffing
 - 2. Priorities and Workload
- C. Future Needs

XII. Finances

- A. Budget Development Structure

1. Development
2. Review
3. Approval
- B. Budget Categories
 1. Physical Plant Operation and Maintenance (Personnel; Supplies and Expense)
 - a. Facilities
 - academic
 - residential
 - b. Natural Features
 2. Program Support (Personnel; Supplies and Expenses)
 3. Capital Improvements: New Development
- C. Sources of Support
 1. Intramural
 2. Extramural
- D. Planning Horizons
 1. Annual Budget
 2. Three-Year Planning Projection
- E. Fiscal Management
 1. Accounting/Bookkeeping
 2. Cost Control: Savings and Conservation
 3. Revenue Development
 - a. fees
 - b. direct sales
 4. Fundraising

XIII. Bibliography

XIV. Appendices