
GOALS AND OBJECTIVES

The following goals and objectives were established to guide the preparation of the Master Plan.

Update the 1983 Mauna Kea Science Reserve Complex Development Plan by:

- 1) Developing a vision for the sustainable use and enhancement of the Mauna Kea Science Reserve as a Hawaiian place with significant and unique cultural, natural, educational/ research and recreational values, meanings and potentials, both locally and globally.
- 2) Integrate and balance cultural, natural, education/research and recreational values and uses in a physical and management plan which will remedy existing problems and provide a framework and structure for the responsible and sustainable stewardship of the Mauna Kea Science Reserve.

These goals have been carried throughout the master planning process from the integration of data to the formulation of physical plans and a proposed management structure. The goals of sustainability and integration should continue to guide the future decision making for Mauna Kea through and beyond the implementation of this plan.

A. Cultural Objectives

- 1) Promote a greater knowledge base and understanding of cultural resources, Hawaiian cultural practices, and significance of archaeological sites, place names, and geophysical elements (such as cinder cones, glacial deposits, etc.), through the planning process.
- 2) Preserve and manage cultural resources in a sustainable manner so that future generations may share in the understanding and knowledge of the mountain's archaeological and cultural sites.
- 3) Protect the opportunities for individuals and groups to engage in cultural practices.
- 4) Define areas, criteria and support facilities for cultural resources and practices, as applicable, to allow for sustainable, integrated planning and management.
- 5) Preserve the cultural landscape to enhance meaning, relationships, and resources for modern appreciation, research, and practice.

The cultural objectives recognize that Mauna Kea, the highest point in Pacific Polynesia, is a revered resource and the site of Hawaiian cultural practice today. This plan

encourages preservation of cultural resources and at the same time supports use and further understanding of the mountain's resources by practitioners and others.

B. Natural Resources Objectives

- 1) Promote a greater knowledge base focused on the most critical natural resources to include flora, fauna, and natural landforms, through the planning process.
- 2) Protect and preserve, through planning and management, unique geological features and biological communities, recognizing the symbiotic relationship between the two in the Science Reserve.
- 3) Use natural resource areas for recreation in a manner that both protects the resources and promotes the safety of individuals.
- 4) Allow for current and future use of natural resources for educational programs and Hawaiian cultural practices for the community, schools and universities, and visitors.
- 5) Protect the mountain's natural landscape to preserve its cultural and scenic values.
- 6) Define specific areas and criteria for natural resource use as applicable, to allow for sustainable, integrated planning and management.

As in the case of cultural resources, the Master Plan encourages greater understanding, appropriate use, and preservation of the mountain's natural resources. The Master Plan objectives call for the integration of natural resources with cultural resources and use, education and research, and recreation components.

C. Education/Research Objectives

- 1) Expand knowledge of the Science Reserve as an educational resource for the benefit of the community, including native Hawaiians, students, researchers, and visitors, through the planning process.
- 2) Protect natural and cultural resources and insure managed access to the Science Reserve for education and research use.
- 3) Protect and enhance astronomy research at Mauna Kea as the premier observatory site in the Northern Hemisphere.
- 4) Define areas, criteria and support facilities for education and research as applicable, to allow for sustainable, integrated planning and management.

The education and research objectives recognize the importance of astronomy activity at Mauna Kea and encourage appropriate use of the mountain for further education and research use in other fields to include science and cultural fields.

D. Recreational Objectives

- 1) Expand understanding of recreational uses and potentials of the Science Reserve.
- 2) Retain and enhance recreational opportunities within the Science Reserve, while protecting natural resources, cultural resources, and cultural practices.
- 3) Define areas, criteria and support facilities for recreational uses, sightseeing and commercial tours, as applicable, to allow for sustainable, integrated planning and management.

The above objectives encourage mixed use of Mauna Kea in an organized setting and with the primary importance given to the preservation of the resources of the mountain. Recreational activities are guided in a direction that promotes safety and practices that respect the mountain's natural and cultural values.

E. Physical Plan Objectives

- 1) Create physical plans, maps, and criteria which promote the sustainable use, enhancement and development of resources of the Science Reserve in order to:
 - Protect historic/cultural resources and practices: e.g. archaeology sites, Hawaiian cultural practices
 - Protect natural resources: e.g. Wēkiu habitat, alpine ecosystem
 - Protect and enhance education and research: e.g. astronomy, ecology, geology
 - Protect and enhance recreational opportunities: e.g. hiking, skiing
- 2) Analyze and depict physical implications of uses over time; address and mitigate visual and environmental impacts.
- 3) Guide future physical development, not only locationally, but with respect to character, size, mass, color and other physical attributes.
- 4) Define infrastructure and elements to support goals regarding natural resources, culture, education/research, and recreation.

These objectives are further detailed in the Physical Planning Guide (Section IX).

F. Management Plan Objectives

- 1) Create a funded structure for sustainable, focused management of resources and operations of the Mauna Kea Science Reserve in order to:
 - Protect historic/cultural resources: e.g. archaeology sites, Hawaiian cultural practices
 - Protect natural resources: e.g. Wēkiu habitat, alpine ecosystem
 - Protect and enhance education and research: e.g. astronomy, ecology, geology, Hawaiian culture and archaeology
 - Protect and enhance recreational opportunities: e.g. hiking, snow play, skiing
 - Promote public safety

- 2) Create a funded structure which meets the following objectives:
 - Promotes community input.
 - Establishes local management.
 - Establishes a focal point for management responsibility.
 - Establishes clear lines of decision making and accountability.
 - Is economically and structurally feasible.
 - Provides a base for future expansion of the scope of activities in the Science Reserve.

These objectives are further detailed in the physical and management plan sections (Sections IX and X).