

West Maui (Honokowai Section)

Island: Maui
Size: 750 acres
Elevational range: 2,500 - 5,788 feet
Year established: 1986
Date surveyed: April 1988
Description: One of four sections that make up the West Maui Natural Area Reserve, the Honokowai Section is on the wet upper northern slopes of the West Maui Mountains. The native communities include two kinds of rare bogs, as well as wet forests, shrublands and a montane lake. This section has watershed value and includes many rare plants.
Natural Communities: 11 total, 2 rare

RANK	NAME
2	Mixed Sedge and Grass Montane Bog
2	'Ohi'a Mixed Montane Bog
3	Hawaiian Intermittent Stream
3	Hawaiian Montane Lake
3	Mamaki Lowland Wet Shrubland
3	Mixed Fern/Mixed Shrub Montane Wet Cliff
3	'Ohi'a/Mixed Shrub Montane Wet Forest
3	'Ohi'a/'Olapa Montane Wet Forest
3	'Ohi'a/Uluhe Lowland Wet Forest
3	'Ohi'a Montane Wet Shrubland
4	Uluhe Lowland Wet Shrubland

Native Plants: 315 total taxa, 81 rare (all four sections)

Native Animals: 9 total taxa, 5 rare (all four sections)

Management Highlights: Feral pig impact is the top management concern in this section. Strategic fencing, staff hunting, and a snaring program are recommended. Fence maintenance and ungulate control monitoring will be needed. Priority weeds such as blackberry and Tibouchina need removal and monitoring. A public education and volunteer program may be established.

West Maui (Kahakuloa Section)

Island: Maui
Size: 3,275 acres
Elevational range: 1,000 - 4,480 feet
Year established: 1986
Date surveyed: April 1988

Description: One of four sections of the West Maui Natural Area Reserve, the Kahakuloa Section lies on wet, windward slopes of the West Maui Mountains. The plateau of Eke Crater is still undisturbed by feral ungulates. This section includes the upper reaches of two perennial streams, and includes a rare montane bog surrounded by 'ohi'a wet forests. This section also has watershed value and includes many rare plants.

Natural Communities: 11 total, 2 rare

RANK	NAME
1	Hawaiian Continuous Perennial Stream
2	'Ohi'a Mixed Montane Bog
3	Hawaiian Intermittent Stream
3	Hawaiian Montane Lake
3	Mamaki Lowland Wet Shrubland
3	Mixed Fern/Mixed Shrub Montane Wet Cliff
3	'Ohi'a/Mixed Shrub Montane Wet Forest
3	'Ohi'a Montane Wet Shrubland
3	'Ohi'a/'Olapa Montane Wet Forest
3	'Ohi'a/Uluhe Lowland Wet Forest
4	Uluhe Lowland Wet Shrubland

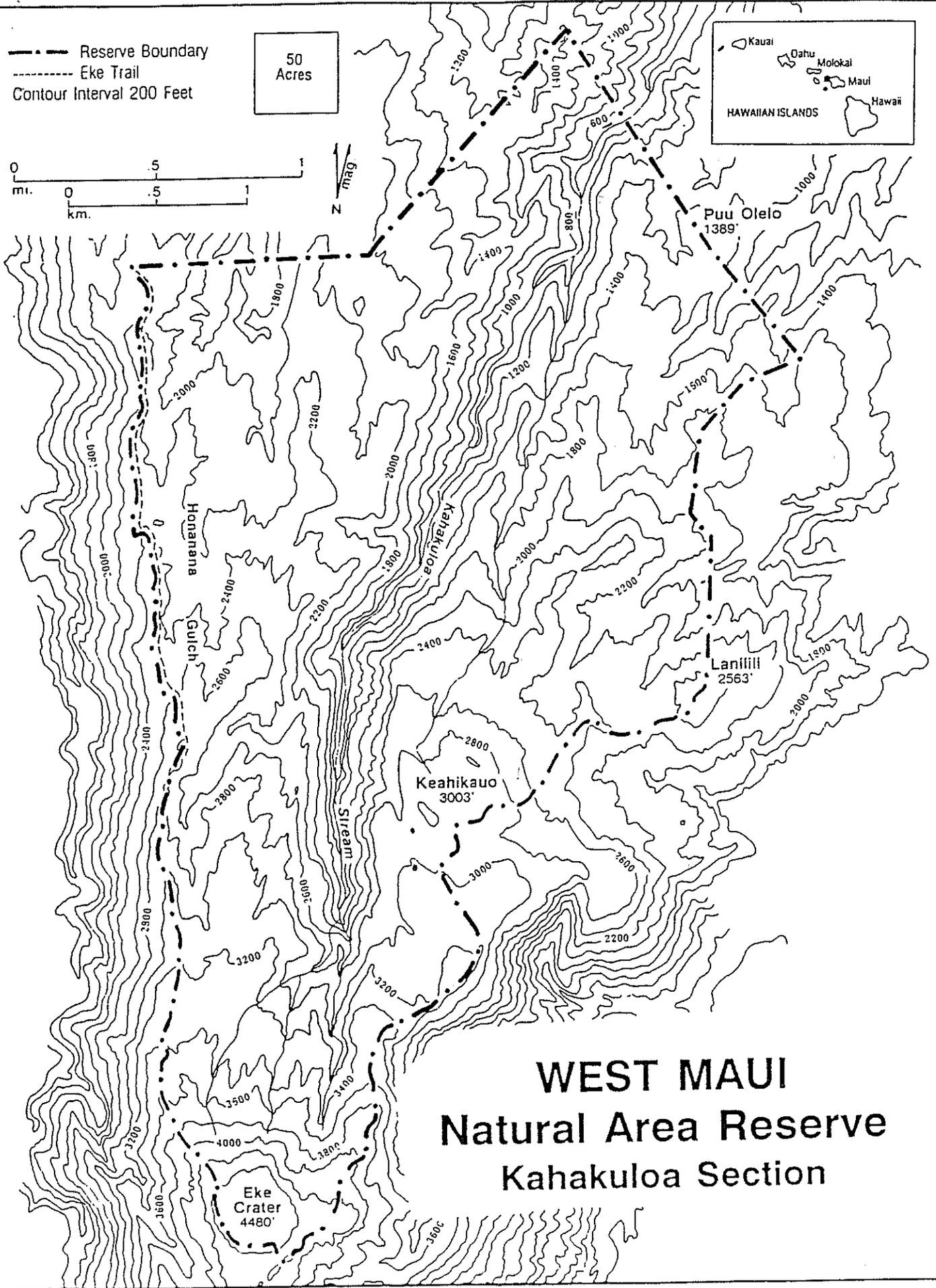
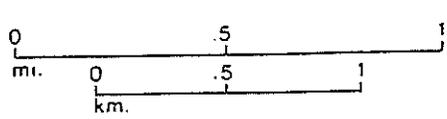
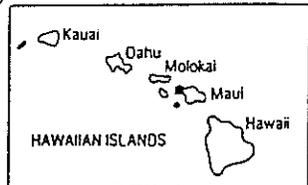
Native Plants: 315 total taxa, 81 rare (all four sections)

Native Animals: 9 total taxa, 5 rare (all four sections)

Management Highlights: Feral pigs are the major threats to this section. Short fence sections have been constructed to block ungulates from Mt. Eke but other sections of fence are still needed. Pig removal by snaring and hunting both inside and outside the fences seems a feasible strategy, but fence maintenance and pig control monitoring are needed to assess results. Better access for public hunting is needed for the lower elevation areas. Priority weeds such as *Clidemia* and *Tibouchina* are targeted for management. An increased program of public education and volunteer help is recommended.

--- Reserve Boundary
- - - Eke Trail
Contour Interval 200 Feet

50
Acres



WEST MAUI Natural Area Reserve Kahakuloa Section

West Maui (Lihau Section)

Island: Maui
Size: 960 acres
Elevational range: 1,000 - 4,197 feet
Year established: 1986
Date surveyed: April 1988
Description: The driest of the four sections of the West Maui Natural Area Reserve, Lihau is a steep-sloped volcanic remnant that extends from dry leeward lowlands to a wet summit with cliffs on all sides. The 1988 survey indicated that the summit of Lihau remains ungulate-free. A rare grassland and shrubland occur near the lower boundaries of the reserve, and many rare plants are known from Lihau, including the federally endangered plant *Gouania hillebrandii*.
Natural Communities: 8 total, 2 rare

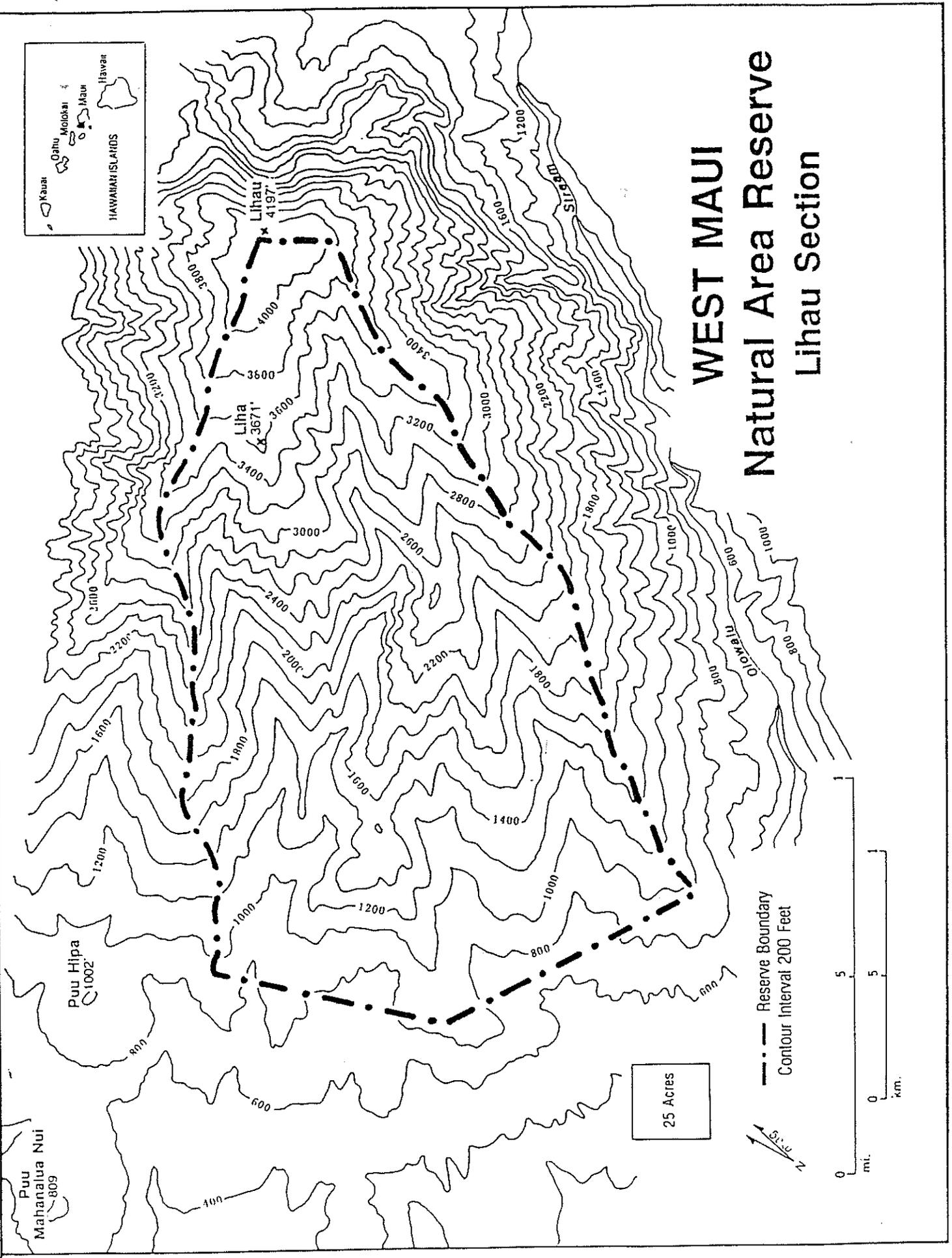
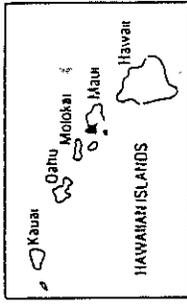
RANK	NAME
2	Ko'oko'olau Lowland Dry Shrubland
2	Pili Lowland Dry Grassland
3	'A'ali'i Lowland Dry Shrubland
3	Mixed Fern/Mixed Shrub Montane Wet Cliff
3	'Ohi'a/Mixed Shrub Montane Wet Forest
3	'Ohi'a Lowland Mesic Shrubland
3	'Ohi'a/'Olapa Montane Wet Forest
3	'Ohi'a/Uluhe Lowland Mesic Forest

Native Plants: 315 total taxa, 81 rare (all four sections)

Native Animals: 9 total taxa, 5 rare (all four sections)

Management Highlights: No ungulates occur at the summit of Lihau and many areas appear pristine. Much of the upper elevation areas are weed free. Management recommended is monitoring of priority weeds, especially those present in the lower elevation areas. No fencing is recommended. Fire pre-suppression measures are recommended because of the potential for dry season fires.

WEST MAUI Natural Area Reserve Lihau Section



West Maui (Panaewa Section)

Island: Maui
Size: 1,717 acres
Elevational range: 1,550 - 5,220 feet
Year established: 1986
Date surveyed: April 1988
Description: One of four sections of the West Maui Natural Area Reserve, Panaewa includes a rare montane bog, as well as representative 'ohi'a forests and shrublands. This section also includes rare plants.
Natural Communities: 8 total, 1 rare

RANK	NAME
2	'Ohi'a Mixed Montane Bog
3	Hawaiian Intermittent Stream
3	Mamaki Lowland Wet Shrubland
3	Mixed Fern/Mixed Shrub Montane Wet Cliff
3	'Ohi'a/Mixed Shrub Montane Wet Forest
3	'Ohi'a Montane Wet Shrubland
3	'Ohi'a/'Olapa Montane Wet Forest
3	'Ohi'a/Uluhe Lowland Wet Forest

Native Plants: 315 total taxa, 81 rare (all four sections)

Native Animals: 9 total taxa, 5 rare (all four sections)

Management Highlights: Few ungulates currently exist in this section and much of the upper area is relatively pristine. No fencing is recommended, but staff control of ungulates is needed. Priority weeds such as Tibouchia need control. Monitoring will be necessary to locate priority weeds and remove them where found.

WEST MAUI

Natural Area Reserve

Panaewa Section

