Figure 1: Viewshed and Primary View Analysis

Legend

- Proposed 13N Site
- Observatory Visible
- 1 Visible from Viewpoint
- 1 Not Visible from Viewpoint
- Direction of Primary View
- Panoramic View

14% of Island has Visibility

EXHIBIT A-36
Distances from Cultural Practice Areas to Proposed TMT Observatory

- Pu‘u Pōhaku: .91 mi.
- Pu‘u Poli‘ahu: .78 mi.
- Lake Waiau: 1.42 mi.
- Keanakāko‘i Adze Quarry: 2.25 mi.
- Pu‘u Lēlēnoe: 2.02 mi.
- Pu‘u Wekiu: 1.16 mi.
- Lake Kūkahau‘ula: 1.42 mi.
- Pu‘u Lilinoe: 2.02 mi.

Source: UH and USGS

TMT not visible from these areas
TMT visible from these areas
Figure 3: Naked Eye View of Mauna Kea from Waimea
Figure 4: Simulation of TMT Observatory, Aluminum-Like Finish – “Binocular” View from Waimea with no Snow
Figure 7: Simulation of TMT Observatory, Aluminum-Like Finish – “Binocular” View from Waimea with Snow

Photo Credit: Charles R. West Photography
Figure 13: Simulation of the TMT Observatory with an Aluminum-Like Finish from Near Keck Observatory Viewing Northwest
Pu‘u Poli‘ahu

Proposed TMT Observatory

The top of TMT is 289' lower than Pu‘u Poli‘ahu.

TMT is 37° to the right of the view plane to Haleakalā.

TMT Does Not Block/Impinge on View of Haleakalā from Pu‘u Poli‘ahu.

TOP VIEW

Island of Hawai‘i

Haleakalā

Pu‘u Poli‘ahu

Maui
Figure 15: Simulation of the TMT Observatory, Aluminum-Like Finish from Puʻu Poliʻahu