



Figure B-11: Construction Monitoring Organization Chart

Likewise, prior to leaving the Port Staging Area or other location outside of the UH Management Area, all construction materials, equipment, crates, and containers carrying materials and equipment which are of substantial size and capable of harboring invasive flora and fauna will be inspected by a trained biologist, selected by OMKM and approved by DLNR, who will certify that such materials, equipment, and containers are free of any and all flora and fauna that may potentially have an impact on the Mauna Kea summit ecosystem. This provision is consistent with the CMP and previous conditions on CDUPs approved by BLNR.

1.6 Invasive Species Prevention and Control Program

This program is described below and will be further refined by TMT and their selected contractor in coordination with OMKM.

Movement of construction materials, earthmoving equipment, and vehicles to the construction areas may introduce non-indigenous weedy flora or invasive fauna pests to the Mauna Kea summit region or Hale Pōhaku. These alien species can out-compete and displace native species and thereby reduce their populations. The CMP requires this potential impact be addressed by new developments. Packaging material will be redone at the Port Staging Area prior to continuing up the mountain. To comply, the Project has developed and will implement an Invasive Species Prevention and Control Program to address this potential impact. Components of the program regarding materials movement during the construction phase include:

- Materials Control and Reduction. All shipments will be repacked at the Port Staging Area so that only essential packing material is used for the final transportation to the construction site. This will reduce the volume of material potentially harboring invasive species, aid inspection, and minimize the waste generated at the construction sites. In addition:
 - Contractors will be required to inspect shipping crates, containers, and packing materials before shipment to Hawaii,i.
 - Pallet wood will be free of bark and treated to prevent the transport of alien species.
 - Items that could serve as a food source for invasive species, such as food waste and food wrappers, will be collected separately from other debris and removed from the Mauna Kea summit region construction sites at the end of each day.
- Washing/Cleaning. Materials and clothing will be washed or otherwise cleaned prior to proceeding above Saddle Road. This will be done at lower elevation baseyards, such as the Port Staging Area, and will include:
 - A requirement that everyone brushes down their clothes and shoes to remove invasive plant seeds and invertebrates.
 - A requirement that waste containers be regularly pressure-washed using steam and/or soap to reduce odors that may attract bugs. This will include containers at the Port Staging Area.
 - A requirement for pressure wash-down of all construction vehicles and heavy equipment.
- Inspections. Prior to proceeding to the summit region from the Port Staging Area or other location, all construction materials, equipment, crates, and containers carrying materials and equipment which are of substantial size and capable of harboring invasive flora and fauna will be inspected and certified free of invasive species by a trained biologist, selected by OMKM and approved by the DLNR.

The Invasive Species Prevention and Control Program will be part of project plans and specifications for construction bidding. The implementation of this plan will reduce the potential for accidental introduction of non-indigenous species and reduce the likelihood of adverse impacts associated with invasive species.

1.7 Other Plan Components

There will be no designated open space and recreations areas created as part of the Project.

Landscaping will be restricted to the graded slopes and rock features near the entrance to the TMT Observatory, as illustrated in Figure B-12. There will be no re-vegetation or plantings as part of the Project due to the natural conditions of the site being well above the tree line.