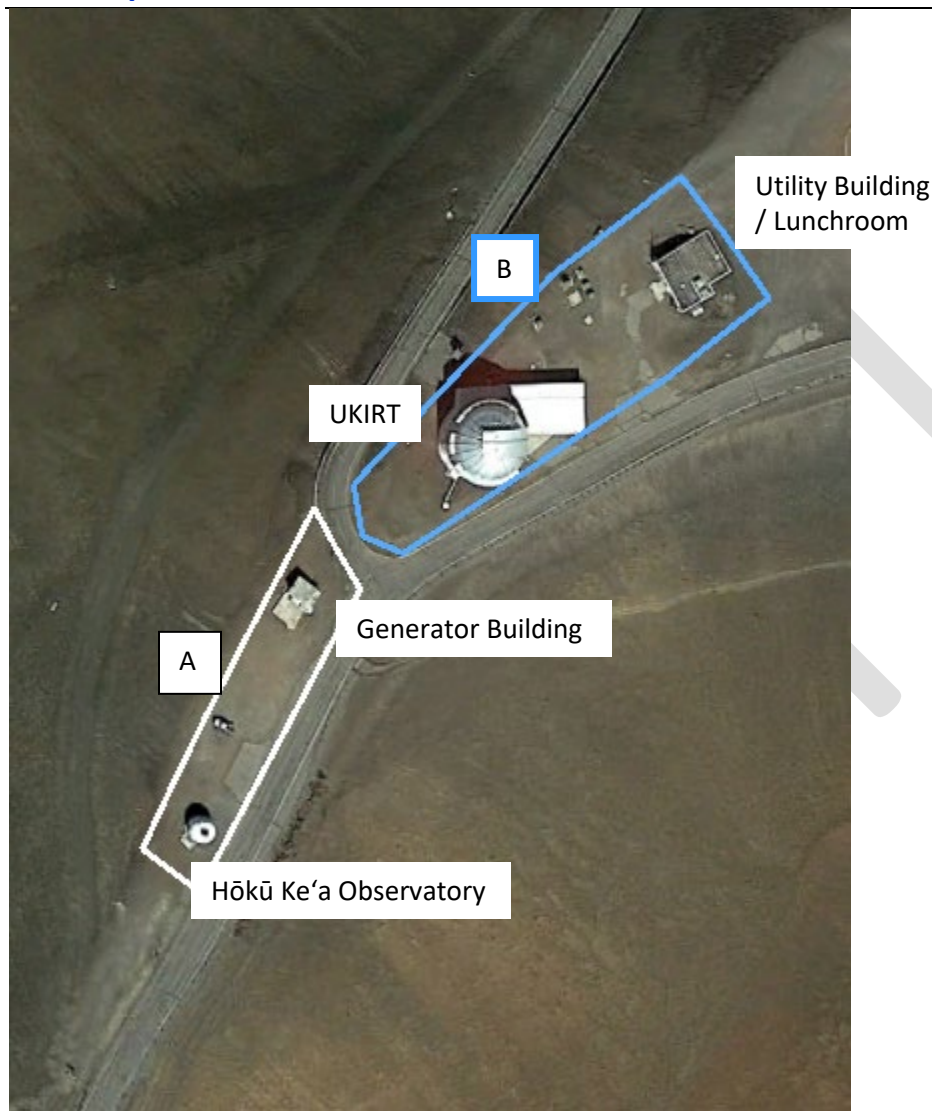


## DESCRIPTION OF HŌKŪ KE‘A DECOMMISSIONING ALTERNATIVES

Overview of alternatives for Hōkū Ke‘a decommissioning.

### Site Map



Area “A” is the site of Hōkū Ke‘a Observatory and most, but not all, associated infrastructure.

Hōkū Ke‘a Observatory – most recently used exclusively for UH Hilo astronomy program.

Generator Building – most recently used for public purposes including traffic safety equipment storage and radio repeaters for essential services (HVO volcano warning system and disaster communications).

Area “B” is included for discussion as Hōkū Ke‘a utilities are present. Buildings in Area B will remain in active use which is not affected by Hōkū Ke‘a decommissioning.

	Removal		Restoration		Challenges & Future Use
	Area A	Area B	Area A	Area B	
<b>Alternative 1</b> No action	No change	No change	No change	No change	Deteriorating infrastructure Erosion problems Safety concerns Legally required to include as an alternative
<b>Alternative 2</b> Infrastructure Capping Partial restoration	Remove both buildings Remove slab foundation to 12" below grade	Remove cables from conduits Conduits cut and capped	Maintain existing graded parking Remnant foundation elements Add guardrail to prevent off-road vehicle use and demarcate areas of safe parking	No change	Possibility of foundation remnants becoming exposed in the future Continued use for sunset viewing, snowplay, hikers, etc.
<b>Alternative 3</b> Full removal (area a) Partial restoration	Remove both buildings Remove all of both foundations & all utilities	Remove cables from conduits Conduits cut and capped	Maintain existing graded parking Add guardrail to prevent off-road vehicle use and demarcate areas of safe parking	No change	Continued use for sunset viewing, snowplay, hikers, etc.
<b>Alternative 4</b> Full removal Full restoration	Same as alternative 3	Remove cables as well as conduits Other observatories and utilities would remain	To the extent possible: Biological habitat restored Original terrain restored Terrain and biological restoration precludes even foot traffic by visitors Some sort of large physical barrier would be required to prevent vehicle and pedestrian access	No change	Eliminates snowplay parking Eliminates portion of sunset viewing Eliminates parking for hikers to summit Potential disruption to UKIRT operations with conduit removal in Area "B"