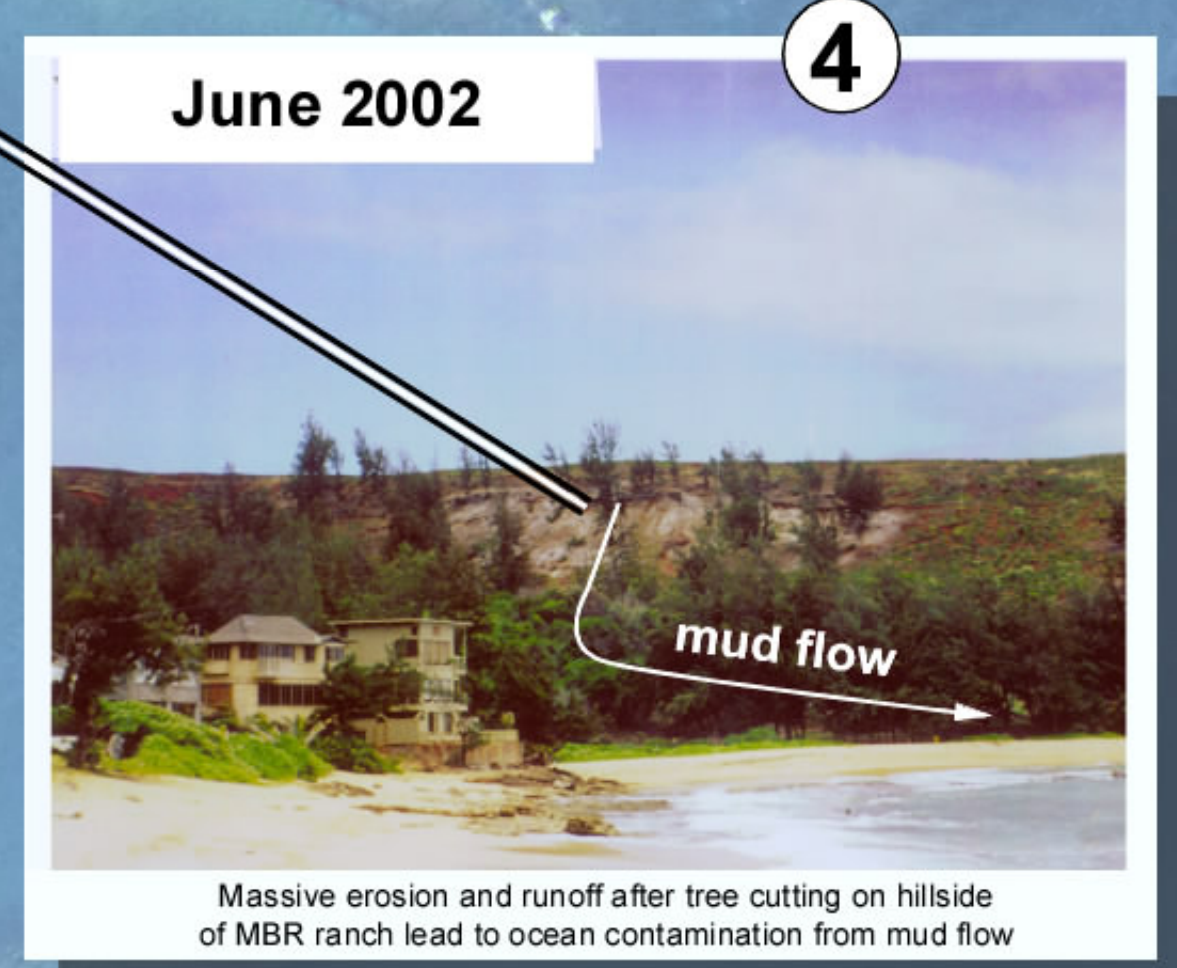


Legend

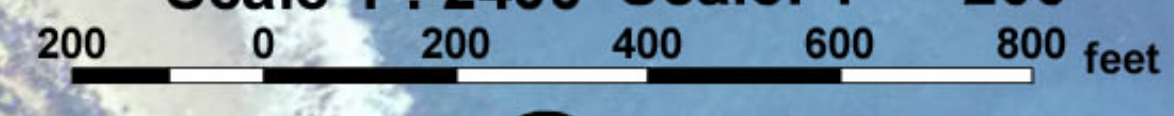
- Public Road
- Private Road (outside SMA)
- Private Road (inside SMA)
- Private Road not reclaimed
- MBR Boundary
- SMA Boundary

Environmental Recommendations for Conservation District of Moloaa Bay Ranch concerning CDUP request approval

- 1) The 1999 construction of unpermitted pond/reservoirs at the embankment edge of the Thronas Plateau has led to engineering failures and will likely lead to further compromises to the environment. It is recommended that Pond #2 be decommissioned and re-engineered at a location further from the embankment and outside the Conservation District (CD)
- 2) There has been a history of unpermitted landscaping and construction in the SMA zone dating back to shortly after MBR acquired this property in 1998. Unpermitted work subsequently led to the 2002 erosion, ocean pollution and disfigurement of the landscape.
- 3) Any remedial work on CD hillsides damaged by unpermitted tree cutting should be executed in small phased sections without adding soil or fertilizer. Plantings should include appropriate naturally occurring species that will not require irrigation. No further grading or grubbing should be permitted within the CD.
- 4) A good deal of natural healing after the catastrophic erosion in 2002 has already occurred. This demonstrates that natural processes can do an efficient job of restoring the landscape.
- 5) The development of roads with steep grades (over 5%) within the Conservation District should be discouraged. During rain they become highways for erosion and muddy runoff that finds its way into Moloaa Stream and onto the reefs of Moloaa Bay. No regrading should be permitted on hillsides within the Conservation District, particularly between Road #3 and Road #4.



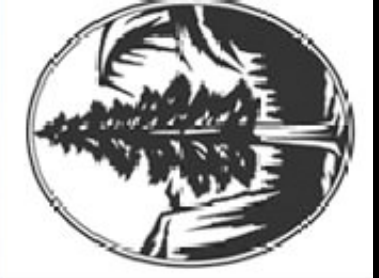
Moloaa Bay Area
Island of Kauai, Hawaii
 Aerial GEOTIFF photo ny NOAA 1999
 Scale 1 : 2400 Scale: 1" = 200'



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Moloaa Bay Ranch Development
Hawaii CDUP Request Analysis
Environmental Recommendations

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8 OCT 2005