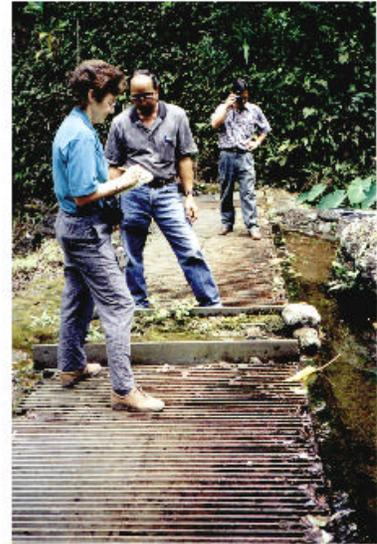


APPENDIX B. Photographs of Features of the Molokai Irrigation System

Dam 1 in Waikolu Valley



Uppermost dam on Waikolu Stream. Steel grating over the collection concrete box can filter large debris. Large obstructions can plug the grating and requires cleaning by hand.

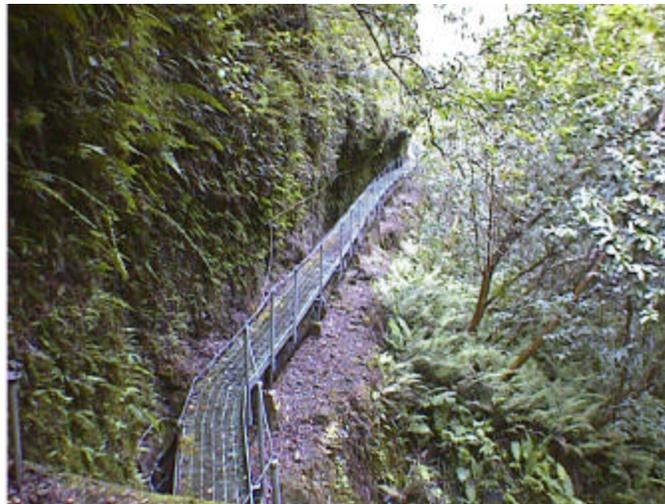


A bypass above the collection box allows about 0.5 mgd to flow pass the dam for aquatic life below the dam to survive.

Dam 1 in Waikolu Valley

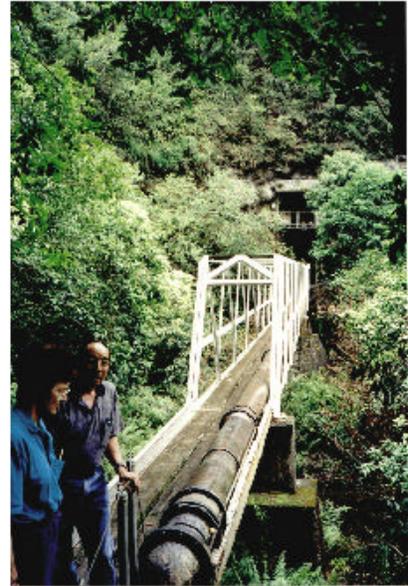


Dam 1 with 20-inch cast iron pipe for the captured water to flow by gravity to the tunnel's east portal.



Walkway over the cast iron pipe to the tunnel's east portal.

Dam 2 in Waikolu Valley



Walkway used to support a 16-inch pipe, which can move 4.3 mgd of water by gravity from Dam 2.



Waterfalls over Dam 2.

Dam 2 in Waikolu Valley



During periods of high flow, the waterfall can flow over the dam.



Dam 2 structure diverts water to the 16-inch pipe. This diversion do not have gratings like Dam 1.

Tunnel's East Portal in Waikolu Valley



East portal tunnel entrance. A Jeep is able to drive through the tunnel. This is the only route to Waikolu valley.



Power controls at the entrance of the east portal. The electrical and telemetry cables are attached to the ceiling of the 5.1-mile tunnel.