



Well 5 is located below the east portal and a short distance above the exit of the Napuleloa tributary into Waikolu stream. Well 5 has a capacity of 1.15 mgd (800 gpm). Well 6 is similar to this station but with a 1.44 mgd (1,000 gpm) capacity pump.



Three pumps are located at the lowest diversion, Dam 4, to pump the collected runoff to the tunnel. The pumps are activated by a float switch. In the background are two 700-gpm pumps, while in the foreground is a 1,400-gpm pump.

Dam 4 in Waikolu Valley



Dam 4 is constructed similarly to Dam 1 with grating over over a concrete box. Watercress is growing over half of the grating. The watercress was reported present at this dam since 1997 (Water Resources Associates, 1999).



Water leaking pass Dam 4.



Barren landscape about a mile from the west portal heading to Kualapuu reservoir. Brush fires have destroyed most of the vegetation covering the soil. This site is highly susceptible to soil erosion by wind and water.



Transmission pipeline heading toward the Kualapuu reservoir.



Kualapuu Reservoir



Damage lining, Bermuda grass, weeds and mulch.



Inlet from the transmission pipeline.



Soil erosion of the reservoir bank.



Outlet with screen leading to the distribution system.



Rainfall weather station on the bank of the Kualapuu reservoir.



Coffee below the Kualapuu reservoir. This farm is one of the largest customer on the system.