
A BILL FOR AN ACT

RELATING TO MAKAHA VALLEY.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. Makaha Valley is a major watershed on the
2 Waianae coast. The runoff from this watershed flows into
3 streams, which can result in flooding. Heavy rains also clog
4 the valley, which overflows the rainwater into the surrounding
5 area and accumulates in the lower valley.

6 A devastating landslide occurred in November 1996, after
7 six hours of heavy rain, when two converging waterfalls sent
8 rocks and mud down the mountainside, overwhelming a ten-foot-
9 high rock retaining wall and surging through an upper level
10 parking lot at the Makaha Valley Tower complex, burying or
11 sweeping away approximately sixty cars and flooding the first
12 floor of the building. Officials estimated that in a two-hour
13 period, the storm caused millions of gallons of water to flow
14 down the mountainside.

15 Over the years, the Makaha Valley area has experienced
16 flooding. In December 2008, the eighteen-hole champion golf
17 course in Makaha closed its seventh hole due to flood damage.



1 The federal government will not conduct a federal flood
2 control study for Makaha Valley because Makaha Valley does not
3 include federal land. Although a Waianae watershed management
4 plan was prepared for the Honolulu board of water supply, a
5 study focused specifically on Makaha Valley is vital to identify
6 specific recommendations for the control of storm drainage to
7 reduce recurring flooding to residences and businesses in the
8 area.

9 The purpose of this Act is to require the department of
10 land and natural resources to conduct a flood study for Makaha
11 Valley and investigate all potential funding sources to finance
12 the flood study and any improvements or repairs as recommended
13 by the flood study.

14 SECTION 2. (a) The department of land and natural
15 resources shall conduct a flood study for Makaha Valley on the
16 island of Oahu. The flood study shall include but not be
17 limited to:

- 18 (1) Specific recommendations for the control of storm
19 damage throughout Makaha Valley to reduce repetitive
20 flooding to residences and businesses in the area;
- 21 (2) A cost-benefit analysis of the recommendations
22 proposed;



1 (3) Identification and evaluation of the desired,
2 intended, and potential unintended effects of the
3 recommendations;

4 (4) A timetable for the implementation of the
5 recommendations; and

6 (5) Any other issues deemed necessary or relevant by the
7 chairperson of the board of land and natural
8 resources.

9 (b) The department of land and natural resources shall
10 submit a written report of findings and recommendations,
11 including proposed legislation, if any, to the legislature no
12 later than twenty days prior to the convening of the regular
13 session of 2013.

14 (c) The department of land and natural resources shall
15 investigate all potential funding sources, including but not
16 limited to any federal, state, county, or private funds, to
17 finance the flood study and any necessary repairs and
18 improvements recommended in the completed flood study.

19 SECTION 3. There is appropriated out of the general
20 revenues of the State of Hawaii the sum of \$ or so
21 much thereof as may be necessary for fiscal year 2012-2013 for a
22 flood study for Makaha Valley.



1 The sum appropriated shall be expended by the department of
2 land and natural resources for the purposes of this Act.

3 SECTION 4. This Act shall take effect on July 1, 2030.



Report Title:

Makaha Valley; Flood Study; Appropriation

Description:

Requires the Department of Land and Natural Resources to conduct a flood study on Makaha Valley and investigate all funding sources to finance the flood study and necessary repairs and improvements recommended by the flood study. Appropriates funds. Effective July 1, 2030. (SD2)

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