

JAN 26 2022

A BILL FOR AN ACT

RELATING TO FLOOD MITIGATION.

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

1 SECTION 1. The director of finance is authorized to issue
2 general obligation bonds in the sum of \$ or so much
3 thereof as may be necessary and the same sum or so much thereof
4 as may be necessary is appropriated for fiscal year 2022-2023
5 for the purpose of the following capital improvement projects,
6 referenced under Section 7.1 of volume I of the "Makaha Valley
7 Flood Mitigation Study Final Report" dated December 2014:

8 1. Eku stream channel and off-line
9 detention basin

10 Plans, design, and construction for
11 improvements to Eku stream to extend
12 the channel upstream 3,800 feet.

13 Total funding \$

14 The sum appropriated for this capital improvement project
15 shall be expended by the department of land and natural
16 resources.



2. New Eku stream bridge at Farrington

highway

Plans, design, and construction for a

new reinforced concrete bridge at

Farrington highway crossing Eku stream.

Total funding \$

The sum appropriated for this capital improvement project shall be expended by the department of transportation.

3. Noholio road drain line

Plans, design, and construction for

installation of a drain line on Noholio

road with a closed culvert system.

Total funding \$

The sum appropriated for this capital improvement project shall be expended by the department of land and natural resources.

4. Breach repair in the Makaha stream berm

Plans, design, and construction for

repair of the earthen berm at the

breach.

Total funding \$



1 The sum appropriated for this capital improvement project
2 shall be expended by the department of land and natural
3 resources.

4 5. Makaha stream levee

5 Plans, design, and construction for a
6 reinforced concrete levee (flood wall)
7 system along the northern and western
8 side of affected properties on Manuku
9 and Nukea streets.

10 Total funding \$

11 The sum appropriated for this capital improvement project
12 shall be expended by the department of land and natural
13 resources.

14 6. Kili drive channel

15 Plans, design, and construction for a
16 trapezoidal shaped, open concrete-lined
17 ditch.

18 Total funding \$

19 The sum appropriated for this capital improvement project
20 shall be expended by the department of land and natural
21 resources.



7. Mauna Olu Estates drainage improvements
Plans, design, and construction for the
Mauna Olu Estates drainage improvements
project.

Total funding \$

The sum appropriated for this capital improvement project
shall be expended by the department of land and natural
resources.

8. In-stream detention basins for Makaha
stream
Plans, design, and construction for the
in-stream detention basins for Makaha
stream project.

Total funding \$

The sum appropriated for this capital improvement project
shall be expended by the department of land and natural
resources.

9. Restoration of Makaha surfing beach
"pond"
Plans, design, and construction for
restoration of the "pond" at Makaha



1 beach that served as a natural debris
2 basin.

3 Total funding \$

4 The sum appropriated for this capital improvement project
5 shall be expended by the department of land and natural
6 resources.

7 SECTION 2. The appropriation made for the capital
8 improvement projects authorized by section 1 of this Act shall
9 not lapse at the end of the fiscal year for which the
10 appropriation is made; provided that all moneys from the
11 appropriation unencumbered as of June 30, 2024, shall lapse as
12 of that date.

13 SECTION 3. There is appropriated out of the general
14 revenues of the State of Hawaii the sum of \$ or so
15 much thereof as may be necessary for fiscal year 2022-2023 for
16 the following flood mitigation nonstructural measures,
17 referenced under Section 7.2 of volume I of the "Makaha Valley
18 Flood Mitigation Study Final Report" dated December 2014, as
19 follows:

- 20 (1) \$ for watershed restoration;
21 (2) \$ for stream channel maintenance;



- 1 (3) \$ for storm drain maintenance;
2 (4) \$ for enforcement of existing legislation;
3 (5) \$ for education on best management practices
4 for watersheds; and
5 (6) \$ for drainage improvements required for
6 future development.

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

9 SECTION 4. There is appropriated out of the general
10 revenues of the State of Hawaii the sum of \$ or so
11 much thereof as may be necessary for fiscal year 2022-2023 for
12 the following short-term flood mitigation projects, referenced
13 under Section 5.2 of the "Final Lualualei Flood Mitigation Study
14 for Lualualei, Waianae, Oahu, Hawaii" dated April 7, 2017, as
15 follows:

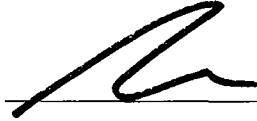
- 16 (1) \$ for the Mā'ili'ili stream watershed -
17 channel cleaning at Kuwale, Pu'uhulu, and Pūhāwai
18 Roads; and
19 (2) \$ for channel cleaning at Ulehawa stream
20 watershed - Hakimo Road, Pa'akea Road.



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

3 SECTION 5. This Act shall take effect on July 1, 2022.

4
INTRODUCED BY: _____

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Report Title:

Flood Mitigation; Makaha Valley; Lualualei; CIP; DLNR; DOT;
Appropriations

Description:

Appropriates funds for flood mitigation measures at Makaha Valley and Lualualei, based on structural and nonstructural measures recommended in studies previously conducted.

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.

