

1 2. New Eku stream bridge at Farrington
2 highway
3 Plans, design, and construction for a
4 new reinforced concrete bridge at
5 Farrington highway crossing Eku stream.

6 Total funding \$

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

9 3. Noholio road drain line
10 Plans, design, and construction for
11 installation of a drain line on Noholio
12 road with a closed culvert system.

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.

17 4. Breach repair in the Makaha stream berm
18 Plans, design, and construction for
19 repair of the earthen berm at the
20 breach.

21 Total funding \$



1 7. Mauna Olu Estates drainage improvements
 2 Plans, design, and construction for the
 3 Mauna Olu Estates drainage improvements
 4 project.

5 Total funding \$

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

9 8. In-stream detention basins for Makaha
 10 stream
 11 Plans, design, and construction for the
 12 in-stream detention basins for Makaha
 13 stream project.

14 Total funding \$

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

18 9. Restoration of Makaha surfing beach
 19 "pond"
 20 Plans, design, and construction for
 21 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:





S.B. NO. 3188

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.

