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Agenda Item: B.1 Goal 2.4 | Mauka to Makai Watershed Management

Date Received: 2/14/23 at 4:45pm via email

Goal 2.4 Mauka to makai watershed management							
Action No.	Description	Type	Priority	Timing	County Lead Agency	Cost (\$1,000)	Funding Source(s)
	Runoff and Drainage						
4.01	Implement the Maui Meadows Subdivision Drainage Master Plan <u>utilizing natural infrastructure and nature-based systems to the fullest extent possible</u> .	CIP	Medium	On-going	DPW	TBD	County
4.02	Update the Kīhei Drainage Master Plan for flood prevention and coastal water quality protection and sensitive ecosystems management in South Maui. Update the plan with the findings presented in the Ecological Alternatives Analysis prepared by EcoSolutions LLC (2020). Take into account the impacts that upland development have downstream. Prioritize <u>natural infrastructure, nature-based solutions</u> , green infrastructure and low impact development where feasible.	Project	Medium HIGH	Mid	DPW	500	County

4.03	Develop a Stormwater <u>Quality</u> Management Program Plan in South Maui, similar to Kahului-Pā'ia's, with programs and practices <u>that protect water quality from</u> for stormwater runoff management from County and private actions.	Project	High	Long	DPW	TBD	County
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Action No.	Description	Type	Priority	Timing	County Lead Agency	Cost (\$1,000)	Funding Source(s)
	Runoff and Drainage						
4.04	Regularly maintain and clear sediment basins and culverts in South Maui. <u>Grading or clearing of sediment from natural infrastructure such as gulches and wetlands shall be engineered to protect ecosystem functions</u>	Program	Medium	On-going	DPW	N/A	N/A
4.05	Design and implement <u>use of natural infrastructure, nature-based solutions and</u> green infrastructure modifications along South Kīhei Road to mitigate stormwater runoff and minimize damage from flooding.	CIP	Medium	Mid	DPW	200	County
4.06	Provide resources for upland forest, <u>including dryland forest,</u> conservation, invasive species control, and restoration projects to improve forest cover and functions, and reduce downstream flooding.	Project	Medium	Short	OM	2,000	Federal

	Restoration						
4.07	Create a wetland preservation and restoration program for South Maui to reduce flood impacts from stormwater runoff, improve coastal water quality to protect sensitive ecosystems and expand open space areas.	Program	Medium	Mid	PD	TBD	County, State

Action No.	Description	Type	Priority	Timing	County Lead Agency	Cost (\$1,000)	Funding Source(s)
	Restoration						
4.08	Continue to support the Lā'ie Wetland Restoration Project. Develop a low impact pedestrian and bike path near the Lā'ie Wetland to allow access the beach and greenway.	Project	Medium	Short	DPW	300	County
4.09	Develop and implement a comprehensive dune restoration plan, identifying methods, funding, and stewardship, for the North Kīhei area between the <u>Kaonoulu Estuary and Waiakoa Gulch</u> NOAA Whale Sanctuary and the Kīhei Canoe Club.	Project	On-going	Mid	PD	TBD	County, State
4.10	Continue to fund a Dune Management Coordinator position and fund the implementation of strategies for sand dune protection.	Program		On-going	PD	400	County, State
4.11	Create a South Maui Ridge to Reef Initiative (R2R) to leverage resources across several agencies and community groups to implement actions to reduce land-based pollution that impacts coral reefs.	Program	Medium	Mid	OM	TBD	Private

4.12	Obtain funding and implement a <u>monitoring</u> program to monitor to measure the quality of runoff and the mass loading of pollutants from gulches, streams and waterways in order to reduce land-based pollution discharges and care <u>protect the quality of</u> for all South Maui nearshore waters.	Program	Medium	Mid	OM	TBD	State
<u>4.13</u>	<u>Implement the Southwest Maui Watershed Plan and establish a Watershed Advisory Group</u>						

Action No.	Description	Type	Priority	Timing	County Lead Agency	Cost (\$1,000)	Funding Source(s)
	Hazards						
4.1 3 4	Develop a mitigation plan for Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties within South Maui that includes raising building elevation, relocation, flood proofing, transfer of development rights, or buyout.	Project	Medium	Mid	DPW	TBD	County, State, Federal
4.1 4 5	Propose amendments to the Maui County Code flood hazard ordinance to implement more strict NFIP Substantial Improvement regulations for properties in SFHA, including modifying the timeframe to 20 years to make it more difficult for older improvements to “expire” and no longer count towards the substantial improvement timeline.	Program	Medium	Mid	DPW	50	County
4.1 5 6	Coordinate with Maui County Floodplain Manager to pursue funding opportunities from organizations like FEMA’s Building Resilient Infrastructure and Communities program for community-wide flood mitigation projects and support implementation of nature-based solutions to enhance ecosystems and reduce flood risks.	Project		On-going	DPW	TBD	Federal

Action No.	Description	Type	Priority	Timing	County Lead Agency	Cost (\$1,000)	Funding Source(s)
	Hazards						
4.1 6 <u>7</u>	Leverage existing erosion and sea level rise studies to develop and implement localized beach management and coastal adaptation plans.	Project	High	Mid	PD	TBD	County
	Miscellaneous						
4.1 7 <u>8</u>	Prepare an overall improvement plan for county parks that includes a description of proposed facility improvements and approaches to reducing the environmental impact of park facilities.	Project		Mid	DPR	TBD	County