

2017 SLUMP REPORT - DRAFT RECOMMENDATIONS

Recommendations	Partners	Actions
#1 Designate Lagoon use areas	DPS-BS, DFW, US Coast Guard, USACE, HANMI, NOAA, MSOA	<ol style="list-style-type: none"> 1.1 Collaborate to finalize and adopt designated use areas. 1.2 Develop a companion map that shows historical/cultural locations and areas for habitat protection. 1.3 Map designated swimming areas to help with monitoring and enforcement of seagrass removal regulations. 1.4 Evaluate the number, type, and location of existing and additional Lagoon moorings and markers. 1.5 Educate MSOs, residents, and visitors on designated use areas, transits, and launches.
#2 Update marine sports permit	DPS-BS, NOAA, MSOA, DLNR-DFW, Other Lagoon Groups	<ol style="list-style-type: none"> 2.1 Enforce the current cap on the number of commercial operator permits. Formally establish a quota. 2.2 Update DCRM rules and regulations. 2.3 Update permit conditions to be consistent with Sections 101 and 102 of the 1987 Boating Safety Regulations.
#3 Minimize watershed impacts on northern Lagoon	DPL, Office of Zoning, CRM Agency Board, DLNR-DFW, BECQ-DEQ, DLNR-Parks & Recreation, DPW, Mayor's Office	<ol style="list-style-type: none"> 3.1 Collaborate with DPL to incorporate land conservation in the northern Lagoon. 3.2 Establish a northern Lagoon watershed district with stringent environmentally-sensitive development criteria. 3.3 Strengthen language in Chapter 15-10-100,300 regarding major and minor APC permit requirements. 3.4 Develop a CAP or comprehensive watershed management plan for the Northern Lagoon Watershed. 3.5 ID opportunities for improvement at permit renewal, road repair, and utility upgrades.
#4 Develop and implement Lagoon user education plan	DLNR, DFW, DPL, Litter Control Board, MVA, MINA, Chamber of Commerce, MSOA, Northern Marianas Diving Operators Association, SFA	<ol style="list-style-type: none"> 4.1 Develop an overarching Lagoon education plan with target audiences, messaging, and delivery mechanism. 4.2 Expand MVA pilot educational program targeting snorkeling and diving tour operators. 4.3 Create Saipan Lagoon Sustainable Use educational brochures and maps for permittees, tourists, and residents. 4.4 Develop a trash disposal educational video that could be shown on airplanes or at the airport. 4.5 Collaborate with MVA, DFW, MINA, and DPL on trash management in the Lagoon. 4.6 Consider implementing in-water/beach signage to provide information.
#5 Improve wastewater infrastructure	CUC, BECQ-DEQ, US EPA	<ol style="list-style-type: none"> 5.1 Coordinate on wastewater infrastructure demands, planned improvements, and water quality monitoring. 5.2 Support CUC in enforcement, securing grant funds, and fast-tracking permitting for priority upgrades. 5.3 Develop a better understanding of the bacteria concentrations in effluent discharge from the Sadog Tasi WWTP.
#6 Improve public access infrastructure	HANMI, DPL, DPS-BS, MSOA, DFW, DLNR-Parks & Recreation, USACE	<ol style="list-style-type: none"> 6.1 Work with partners on priority improvements at Outer Cove Marina, Sugar Dock, and beach barbeque areas. 6.2 Determine if there is a benefit to moving concessionaires off the beaches and into hotels. 6.3 Ensure developers/hotels maintain a clearly marked, publicly-accessible passage to the shoreline

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#7 Encourage sustainable use of Mañagaha resources	DFW, DPS-BS, DPL, MVA, MINA, BECQ-DEQ	<p>7.1 Determine how to enforce motorized vessel restrictions and integrate use area designations and transit routes.</p> <p>7.2 Discuss water quality and habitat protection concerns related to overcrowding with DFW and MVA.</p> <p>7.3 Discuss incorporating eco-friendly green business practices into permit requirements with partners.</p> <p>7.4 Review NPDES permit conditions, monitoring reports, and treatment technology to assess necessary upgrades</p> <p>7.5 Provide signage about trash management on Mañagaha</p>
#8 Create fishermen safety equipment program	DLNR-DFW, DPS-BS, SFA	<p>8.1 Establish free equipment program for fishermen that distributes adequate safety equipment and clothing.</p> <p>8.2 Provide a venue for a safety training program for fishermen, as part of a Lagoon education plan (Rec. #4).</p> <p>8.3 Distribute educational brochure to fishing community.</p> <p>8.4 Discuss a possible regulatory approach that would require fishermen to wear/carry proper safety equipment.</p>
#9 Support BECQ monitoring program	BECQ-DEQ, NOAA, CUC, DPW, University of Guam-WERI	<p>9.1 Improve monitoring capabilities.</p> <p>9.2 Use monitoring data from permit requirements as additional data points for Lagoon-wide studies.</p> <p>9.3 Consult with the University of Guam-WERI about prioritizing data collection and analysis of ecological systems.</p>
#10 Evaluate and implement appropriate shoreline stabilization and erosion control projects	CIP Program, BECQ-DEQ, DFW, DPL, Legislature, DPW, USACE	<p>10.1 Require that public infrastructure improvement projects constructed a certain distance from an eroding shoreline implement viable shoreline stabilization and/or beach re-nourishment projects.</p> <p>10.2 Secure grant funding for shoreline enhancement and stabilization projects not covered by CIP funds.</p> <p>10.3 As part of APC permit review, ensure that private applicants have considered shoreline stabilization concerns and needs.</p> <p>10.4 Consider allowing shoreline projects as part of permit mitigation alternatives.</p> <p>10.5 Incorporate education and outreach components into shoreline protection and climate adaptation projects.</p> <p>10.6 Collaborate with DFW in re-vegetation efforts at Mañagaha.</p> <p>10.7 Condition as part of permitting that beach re-nourishment projects use clean, uncontaminated sand.</p>
#11 Improve stormwater management	DPW, CUC, US EPA, BECQ-DEQ (Water Quality Section)	<p>11.1 Meet with DPW and US EPA to review new MS4 program requirements, before the permit is issued.</p> <p>11.2 Update the CNMI stormwater management manual post-construction standards.</p> <p>11.3 Prepare GIS maps and track status of stormwater outfalls and piped contributing drainage areas within Lagoon watersheds.</p> <p>11.4 Update permitting conditions for redevelopment projects, repaving, and road improvements to encourage retrofitting of existing unmanaged impervious cover.</p>
#12 Establish a dedicated funding mechanism for Lagoon protection	Legislature, MINA, HANMI, Chamber of Commerce	<p>12.1 Appeal to the Legislature to establish a dedicated, sustainable funding source for Lagoon protection.</p> <p>12.2 Leverage the Micronesia Challenge funds to protect Lagoon.</p> <p>12.3 Collaborate with MINA on grant funding opportunities.</p> <p>12.3 Explore alternative revenue to the Marine Resource Investment Act, such as user fees or voluntary funds.</p> <p>12.4 Collect fees for luxury private boat and yacht docking or anchoring within the Lagoon.</p> <p>12.5 Research opportunities for public-private partnerships related to water quality improvements.</p>