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## PRELIMINARY DAMAGE ASSESSMENT REPORT

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*This preliminary report is submitted by the Department of Marine and Wildlife Resources to the Damage Assessment Task Force*

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Date submitted:	October 2, 2009

### SUMMARY

The facilities being managed by the Department of Marine and Wildlife Resources had sustained substantial damages from the recent tsunami event. This includes the Pago Pago boat ramp, the Malaloa wharf, Fagatogo floating docks, and the facilities within the DMWR compound. The damages range from minor to major structural failure that poses potential hazard to the public. This report covers a narrative of the damages, list of damaged items as well as an estimate of the total cost of damages incurred by each facility. Photos are included as an appendix to verify the narrative.

### STATUS OF THE FACILITIES

#### **Pago Pago Boating Access Ramp**

The boating access ramp in Pago Pago has been completely inundated with debris from various wreckages. The concrete ramp was swept away by the wave and the whole seaward edge has been chipped forming a steep cliff.

The damaged items are as follows:

1. concrete ramp
2. signage

The estimated cost of damage is \_\_\_\_\_

#### **Malaloa Floating Docks**

No major structural damage has been inflicted on the main concrete wharf. Damages were found on the male and female restrooms where the doors and ceilings were forcefully opened by the surge. The sinks and toilets were broken off from its attachments. The electrical light post was taken down by the MY Gibraltar while it was being dragged by the surge and landed on top of the wharf. The floating dock within the vicinity of the wharf was completely ripped from its concrete piling. Some of the floating pontoon was found on the other side of the bay near the Korean House and some were scattered around the harbor. A steel container was found floating where the floating dock used to sit. This container belongs to the FAD Program and contains the raw materials used to fabricate fish aggregating device floats, tie lines and chains, and sinkers. Near the



container was a concrete piling that was broken off from its base. The chain linked fence was taken down by the tsunami current and debris.

The damaged items are as follows:

1. bathroom fixtures
2. ceiling, flooring, walling
3. door
4. light post
5. security fence
6. floating pontoons
7. concrete pylons
8. access ramps and ladder
9. fresh water system

The estimated cost of damage is \_\_\_\_\_

### **Fagatogo Floating Docks**

The floating docks in Fagatogo were devastated and are no longer structurally stable. The main aluminum access ramp was found sitting on the road. The steel welded section of the access ramp was ripped from its concrete base. The stainless steel bolts connecting each pontoon has been ripped from its plastic connection joints. The middle aisle was sitting on top of the concrete piling. There was a couple of sunken yachts and alias in this area. Some of the floating pontoons were found on the other side of the bay near MYD shipyard and Fagaalu. This debris was towed back to the office by the enforcement division. Half of the security fences were flattened during the recession of the first wave surge. Some of the concrete pilings were dislodged from its base.

Part of the Fagatogo floating dock facility is a dry docking area for small boats. The sea side retaining wall gave way resulting in a collapsing pavement. This area is currently unstable. This area is also the work station for the FAD Program where the supply container used to be situated. This container has been mentioned above. The gated area has been destroyed by the surge. This area also holds one of the DMWR boat, the R/V Masi Masi, on dry dock. During the initial wave surge, it dragged the boat until it got lodged between the barge and the concrete dock of the Starkist Cannery on the other side of the harbor.

The damaged items are as follows:

1. security fence
2. floating pontoons and accessories (i.e. attachment joints, roller guides, tie down rods)
3. concrete piling
4. access ramp
5. fresh water system
6. FAD container and supplies
7. R/V Masi Masi
8. Dry dock facility



The estimated cost of damage is \_\_\_\_\_