DEPARTMENT OF THE ARMY
7TH ENGINEER DETACHMENT
BLDG 1507A STREAM ROAD
FORT SHAFTER, HAWAII 96858-5200

APGP-EBP 21 AUG 2011

MEMORANDUM FOR RECORD

SUBJECT: 7th Dive's inspection findings of Kajaki Dam

1. MISSION SUMMARY: 7th Engineer Detachment conducted ROV inspections on the Kajaki Dam including: guide channels for steel and concrete gates to identify damaged sections, base of concrete and steel gates to identify the presence of sediment build up or obstructions that would prevent the gates from sealing, inspection of three trash racks to identify presence of obstructions or damage to structural integrity, the concrete basin below the jet valves for obstructions and structural integrity. Two DVDs were provided to project manager Nader Noori which provided complete and detailed video-graphic evidence of findings.

2. CONCRETE AND STEEL GUIDE CHANNELS: No obvious damage to the structural integrity of the steel channels or the concrete recessed guides.

3. BASE OF CONCRETE AND STEEL GATES: No obvious damage to concrete structure. Minimal sediment on base estimated less than 1/8 inch of loose sandy sediment. .

4. TRASH RACKS: Trash racks and chains appeared to be structurally sound. Minimal obstructions including small trees and rocks at the base of the trash racks. Obstructions did not appear to be large enough to limit intake flow.

5. CONCRETE BASIN BELOW JET VALVES: Sides of basin appear to be structurally intact. Floor of basin appears to have moderate spalling with exposed rebar. Unidentified piping and metal appear below one of the jet valves.

6. For further information please contact William Baumgartner at william.baumgartner@us.army.mil

WILLIAM S. BAUMGARTNER
FIRST SERGEANT
USA