VIRTUAL SITE TOUR

GCCA+ SUPA
SCALING UP THE SOASOA DRAINAGE SYSTEM, LABASA, FIJI
The Soasoa drainage scheme in Labasa, Vanua Levu was established in the 1970s and consists of a 2,050m levee running along the landward margin of the Qawa river with water discharge outflow structures namely a flap-gate, a four-barrel floodgate and a spillway.

To the south, the levee continues for a further 1,250m, and there are two flap gates. Over time and compounded by climate change and sea level rise, the drainage infrastructure has become inefficient and obsolete.

The GCCA+ SUPA project is scaling up the Soasoa drainage system. This includes the building of two new floodgates, a new trash rack structure and raising of the levee. The measures are intended to reduce the flooding in the Soasoa watershed during high rainfall events.
Location of 4 sites
Trash rack Site

Access area to trash rack site
SITE 2: TWO BARREL FLOOD GATE, ADJ TO EXISTING FLOOD GATES

EXISTING 4 BARREL FLOOD GATE

LANDWARD SIDE

SEAWARD SIDE
LANDWARD SIDE
SEAWARD SIDE
SITE 3: TWO BARREL FLOOD GATE, ADJ TO EXISTING FLAP GATES
Flapgate at the exit of the culvert and on the seaward side

Steel trash rack on the landward of the existing flap gate
SITE 4: LEVEE
Segment 2: Soasoa and Qawa
Segment 3: Qawa levee