



# West Crab Island Channel (North) Dredging

Gold Coast Waterways Authority is improving access and connections to the waterways by dredging the West Crab Island Channel (North) located between Ephraim Island Bridge and the Coomera River (South branch). Approximately 23,000 cubic metres of sand will be removed from the channel and beneficially reused.

## Benefits:

- Enhanced channel connectivity, including an improved north-south linkage
- Enabled access for deeper draft vessels
- Improved safety through the removal of shoaling
- Easier access to Ephraim Island Marina and the Sovereign Island canal system.

## Impacts:

- A trailer hopper dredge and bed leveller will operate in the channel which may restrict vessel access during the construction works period.
- The dredge will display day shapes to indicate the passing side and will be contactable via VHF radio. Masters should reduce speeds and navigate with care.
- The trailer hopper dredge will be regularly transporting dredge material from the navigation channel through the Seaway to the Narrowneck deposition site.
- Water quality monitoring buoys will be installed adjacent to the navigation channel for the duration of the works.

## PROJECT LOCATION

Paradise Point, Queensland

## KEY DETAILS

### Planned investment:

\$1,250,000

### Estimated dredging start:

January 2023

### Estimated dredging completion:

April 2023

### Current status:

Construction phase

## CONTACT

Gold Coast Waterways Authority  
07 5539 7350

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## Dredge areas and deposition sites

Dredge area south of Sovereign Island bridge shown as **yellow line below** - areas of shoaling will be removed using a trailing hopper suction dredge to a depth of -2.5m LAT. This material will then be transported and placed into the Narrowneck deposition site.

Dredge area north of Sovereign Island bridge shown as **pink line below** - areas of shoaling will be pushed into deeper holes using a bed leveller to create a uniform depth of -2.0m LAT. Potential acid sulfate soils identified in this channel constrain the ability to bed level or dredge deeper than -2.0m LAT due to environmental concerns.

