

# HIGH EFFICIENCY BAND SCREENS TRIPLES SCREENING CAPTURE FOR GORDONVALE STP

## CASE STUDY



### THE CLIENT

The Gordonvale STP is owned and operated by Cairns Water. It has a capacity of 1.9MLD or 7100EP.

### OVERVIEW

As part of a recent upgrade to increase plant efficiency and reduce maintenance costs, the existing mechanical screens in the inlet works were replaced with HUBER Escamax Band Screens.

HUBER Escamax is a through flow band screen uses a perforated band to remove solids and screenings from sewage.

The perforations capture a high amount of material as compared to the existing units which were bar screens. The geometry of the screen allows for an easy retrofit into the existing channels.

Maintenance associated with the downstream equipment will be reduced due to the higher screenings capture of the Escamax.



#### Key Benefits:

- High screenings capture
- Reduced plant maintenance
- Easy to retrofit
- Low headloss
- Intermittent operation
- All stainless fabrication

There are over 1000 Escamax units in operation around the world with several operating in Australian treatment plants.

Item	Value
Screen Type	Through Flow Band Screen
Aperture	6mm perforations
No of Screens	Two
Capacity Per Screen	187 L/s
Screenings Capture	84%