

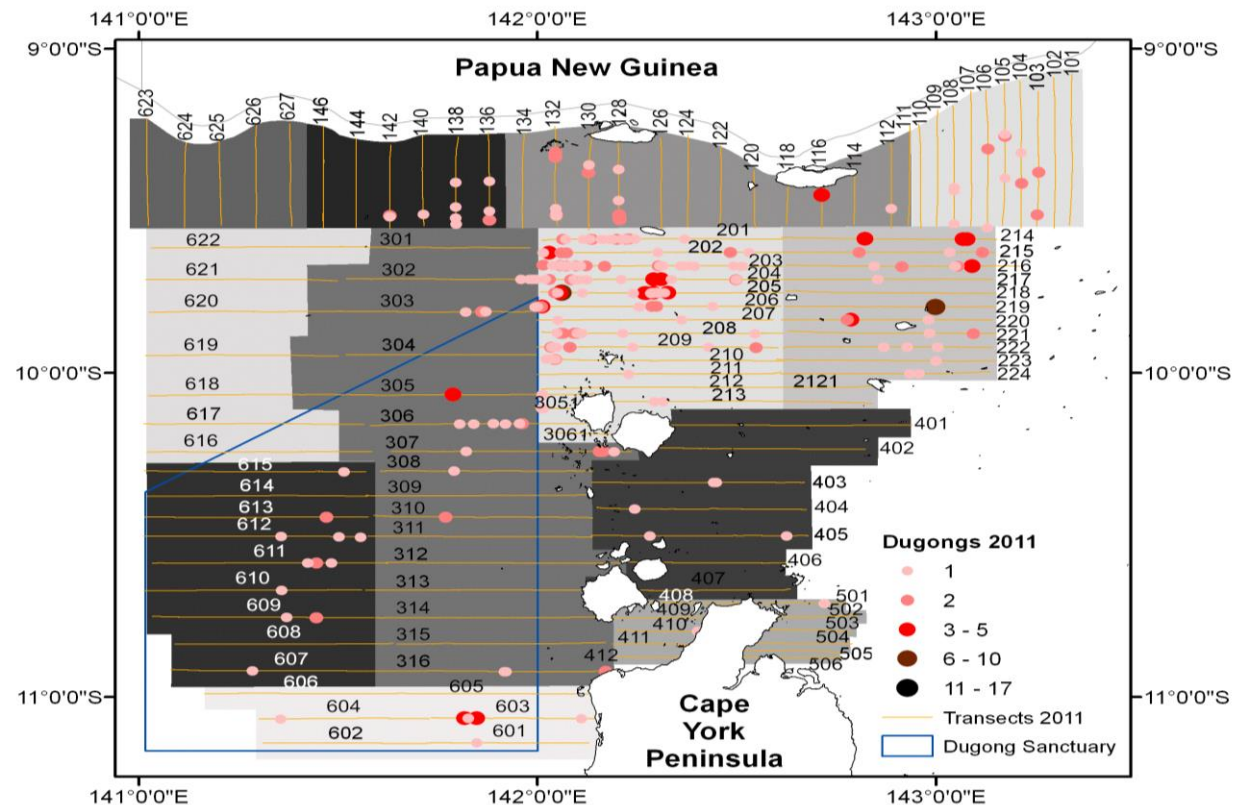
Dugong and seagrass conservation project

Helene Marsh JCU



How many dugongs are there?

- Ask the fishers?
- Vessel surveys?
- Aerial surveys?
- Mark-recapture studies?



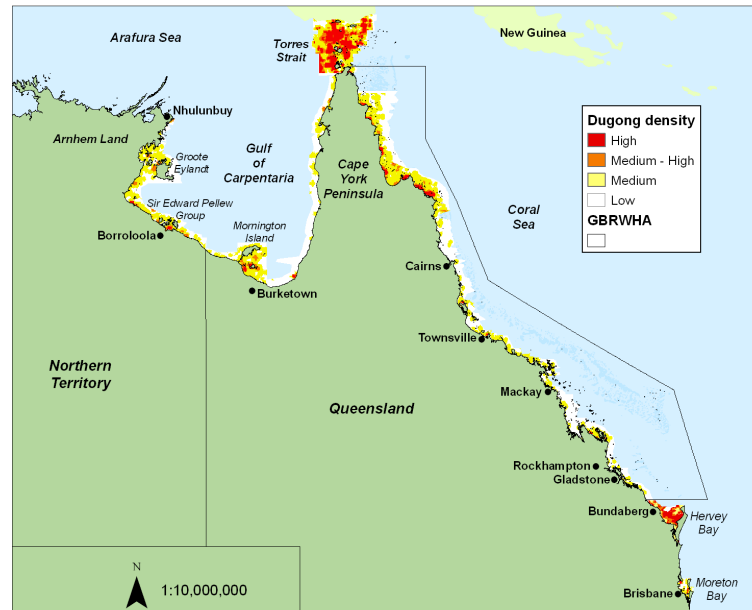
How are your dugongs doing?

- Ask the fishers?
- Conduct vessel/aerial surveys over time?
- Calf counts?
- Genetic studies?
- Health assessments?



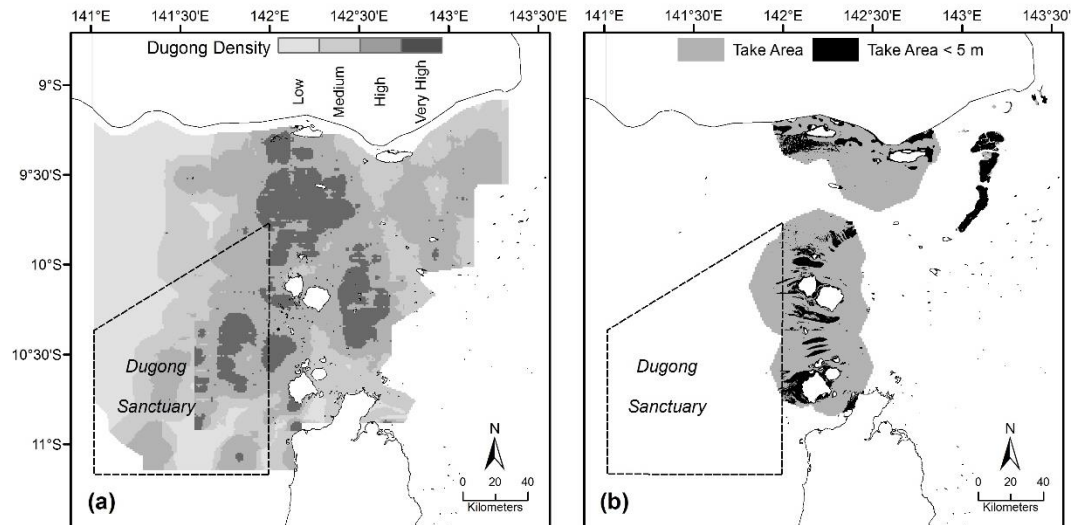
Where are the dugong hotspots?

- Ask the fishers?
- Conduct vessel/aerial surveys?
- Satellite tracking?
- Acoustic surveys?



What are the risks to dugongs and how serious are they?

- Expert opinion?
- Carcass analysis
- Spatial risk assessment?
- Modelling?
 - Bayesian
 - PVA
 - PBR



Remember?

- Be clear about what you need to know and why?
- Good design is vital
- High tech not necessarily best
- Mortality likely more serious than disturbance or habitat loss

