Appendix B (3)
Modelled potential habitat for selected threatened flora and fauna species
Figure B.50: Predictive flora habitat model - *Macrozamia serpentina* developed by the Department of Environment and Heritage Protection
Figure B.51: Predictive flora habitat model - *Marsdenia brevifolia* developed by the Department of Environment and Heritage Protection.
Figure B.52: Predictive flora habitat model - Serpentinite bush (*Neoroepera buxifolia*)

developed by the Department of Environment and Heritage Protection

Legend

- Predictive flora habitat model
  - Serpentinite bush (*Neoroepera buxifolia*) (NC Act Vulnerable, EPBC Act Vulnerable)

- Boundaries
  - Great Barrier Reef Marine Park boundary
  - Proposed Gladstone port master planned area boundary

- Master planned area precincts
  - Interface
  - Marine industry and recreation
  - Port, industry and supply chain
  - Environmental protection
  - Marine

Source:
- World Shaded Relief base: ESRI (2016)
- Predictive Habitat Models: DEHP (2016)
- Proposed Gladstone port master planned area boundary: DSD (2016)
Figure B.54: Predictive flora habitat model - *Olearia macdonnellensis* developed by the Department of Environment and Heritage Protection

Inset

Refer to Insert
Figure B.55: Predictive flora habitat model - Mount Larcom silk pod (*Parsonsia larcomensis*)
(Facing Island)
Figure B.56: Predictive flora habitat model - Lesser swamp orchid (*Phaius australis*)

Developed by the Department of Environment and Heritage Protection.
Figure B.57: Predictive flora habitat model - *Pimelea leptospermoides* developed by the Department of Environment and Heritage Protection.

Legend

**Predictive flora habitat model**

- *Pimelea leptospermoides* (no common name) (NC Act Near threatened, EPBC Act Vulnerable)

**Boundaries**

- Great Barrier Reef Marine Park boundary
- Proposed Gladstone port master planned area boundary

**Master planned area precincts**

- Interface
- Marine industry and recreation
- Port, industry and supply chain
- Environmental protection
- Marine

Source:

- World Shaded Relief Base: ESRI (2014)
- Predictive Flora Models: DEHP (2016)
- Proposed Gladstone port master planned area boundary: DSD (2016)
Figure B.58: Predictive flora habitat model - *Pomaderris clivicola*
developed by the Department of Environment and Heritage Protection
Figure B.59: Predictive flora habitat model - *Pomaderris coomingalensis* developed by the Department of Environment and Heritage Protection

Inset

Refer to Inset
The Narrows
Targinnie
Graham's Creek
Curtis Island
North Entrance
Facing Island
Callicope River
Gladstone
South Trees
Island
Boyne Island
Tannum Sands
Boye River
Wild Cattle Island
Marine Park Boundary
Coral Sea
Fisherman's Landing

Figure B.60: Predictive flora habitat model - Boorman's bush-pea (Pultenaea setulosa) (NC Act Vulnerable, EPBC Act Vulnerable)

Boundaries
- Great Barrier Reef Marine Park boundary
- Proposed Gladstone port master planned area boundary

Master planned area precincts
- Interface
- Marine industry and recreation
- Port, industry and supply chain
- Environmental protection
- Marine

Legend
- Predictive flora habitat model
- Boorman's bush-pea (Pultenaea setulosa)

Source:
- World Shaded Relief Base: ESRI (2014)
- Predictive Habitat Models: DEHP (2016)
- Proposed Gladstone port master planned area boundary: DSD (2016)

Gladstone port master planning risk assessment
Figure B.60: Predictive flora habitat model - Boorman's bush-pea (Pultenaea setulosa)
developed by the Department of Environment and Heritage Protection
Gladstone port master planning risk assessment

Figure B.61: Predictive flora habitat model - Austral cornflower (*Rhaponticum australe*) developed by the Department of Environment and Heritage Protection

Legend

- Predictive flora habitat model
  - Austral cornflower (*Rhaponticum australe*) (NC Act Vulnerable, EPBC Act Vulnerable)

Boundaries
- Great Barrier Reef Marine Park boundary
- Proposed Gladstone port master planned area boundary

Master planned area precincts
- Interface
- Marine industry and recreation
- Port, industry and supply chain
- Environmental protection
- Marine

Source:
- World Shaded Relief Base: ESRI (2014)
- Predictive Habitat Models: DEHP (2016)
- Proposed Gladstone port master planned area boundary: DSD (2016)
Figure B.64: Predictive flora habitat model - *Solanum elachophyllum* developed by the Department of Environment and Heritage Protection.
Figure B.66: Predictive flora habitat model - Minute orchid (Taeniophyllum muelleri) developed by the Department of Environment and Heritage Protection.
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