

**Table1. Marine physical description of the potential 'Hub' locality**

Sites	Physical
<b>Anjo Peninsula</b>	Relatively protected peninsula, several islands offshore. Sandy beaches, rocky shores, coral reefs, mangrove forests. Tidal currents may be significant. South east side relatively sheltered. West side more exposed with significant fringing coral reefs.
<b>Cape Voltaire</b>	Relatively exposed peninsula. Islands occur offshore. Limited sandy beaches, extensive rocky shores, mangrove-fringed coastline and coral reefs. Tidal currents and turbidity may be significant. Some deeply incised bays and estuaries.
<b>Maret Islands</b>	Mid-shelf Island group with extensive fringing reef formations; moderate tidal currents and relatively low turbidity; high geomorphological complexity; exposure to swell waves ranges from high to low.
<b>Wilson Point (Slate Islands)</b>	Relatively protected embayment with several islands to the west; moderate tidal currents and relatively low turbidity. Exposure to wave energy is mod/high on seaward side. Extensive reef formations. Sandy seabed evident.
<b>Cockatoo and Koolan Is.</b>	Protected islands; relatively high tidal currents and moderate turbidity. Exposure to wave energy is low on south-western, and mod/high on north eastern shore. Steep reef slopes grading to pavement, reefs and sand in deeper water.
<b>Packer Island</b>	Barrier Island grading to reef linked to the mainland, protecting embayments to the north and south. West side exposed to high wave energy. East side sheltered/lagoonal. Sandy sediments offshore, slightly finer inside Island and in tidal creeks. Reefs off western side of barrier.
<b>Perpendicular Head/Pender Bay/North Head</b>	Prominent rocky headland at entrance to sheltered V-shaped Pender Bay. Outside the Bay, coarser sediments inshore grading to finer sediments offshore, some rubble patches, reefs inshore, moderate tidal currents and low turbidity. Exposure to wave energy is high on western shore and low in southern Pender Bay.
<b>Coulomb Point</b>	Sandy point on west facing sandy coast. Sandy sediments offshore, relatively large areas of rocky reefs, moderate tidal currents and low turbidity offshore, moderate inshore. Exposure to wave energy is high.
<b>James Price Point</b>	Small rocky headland on west facing sandy coast. Sandy sediments offshore, rocky reefs inshore, moderate tidal currents and low turbidity offshore, moderate inshore. Exposure to wave energy is high.
<b>Quondong Point</b>	Small rocky headland on west facing sandy coast. Sandy sediments offshore, some rocky reefs inshore, moderate tidal currents and low turbidity offshore, moderate inshore. Exposure to wave energy is high.
<b>Gourdon Bay</b>	Rocky headland on southern end of sandy bay exposed to the north-west. Mainly sandy sediments with patchy reefs inshore and near offshore shoals. West-facing coastline exposed to wave energy from south/west.