

Features and Deliverables

- High resolution GIS polygon creation of habitat objects (e.g., vegetation beds, coastal reefs)
- User controlled class lumping and naming
- Lowrance or Simrad custom GPS charts of classifications created automatically
- Automated HTML reports summarizing areas of each habitat classification
- Ability to download classification GIS shapefiles
- Custom polygon tool that executes intersections within an area of interest
- Train or validate classifications with on-the-ground data
- Coastal and Marine Ecological Classification Standard (CMECS) used for coastal habitat typing
- Organization sharing

EMERGENT, SHALLOW AQUATIC VEGETATION MAPPING

Provider	Sensor	Resolution (m) ^a	Bands	Process	Min Area (km ²) ^b
European Space Agency	Sentinel	10	13	Archive	25
Airbus	Pléiades	2	4	Archive	50
Digital Globe	World View	2	8	Archive	50
Digital Globe	World View	2	8	Tasking (~30 d)	100

^a Contact us about your desired minimum mapping unit which is often larger than the sensor resolution

^bArea of interest polygon must be no narrower than 5 km at its narrowest point

COASTAL BENTHIC HABITAT MAPPING

Provider	Sensor	Resolution (m)*	Bands	Process	Min Area (km ²) ^a
European Space Agency	Sentinel	10	13	Archive	100

^aSpecial exceptions made for typing of narrow coastal shorelines