

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

^b Area 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 |

^a Special exceptions made for typing of narrow coastal shorelines