# AQUACULTURE SOLUTIONS

DATA SHEET

## Revealing insights to protect your aquaculture operations

Protect your aquaculture assets and fish stocks with Aquaculture Solutions from Maxar Marine Services.

## Benefits

- Worldwide near-real time monitoring service
- Industry-leading algorithm-based analysis using Maxar Marine Services oceanographic data
- Gap-free images: reconstruction of missing values due to cloud coverage or noise
- Short-term (1-3 days) red tide forecast estimates
- Timely geospatial data, oceanographic conditions and predictive analysis can be viewed in GoogleEarth or in the new Maxar Marine Service software, Insight Explorer

## Solutions

### Red Tide Monitoring

Using Maxar's unique insights and technologies to monitor and identify harmful algal blooms (HABs) around the world in near-real time.

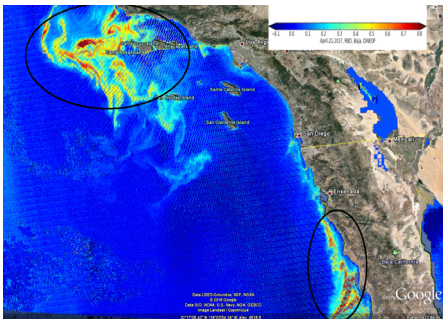
**Simple plants causing complex problems**

Commonly known as red tides, harmful algal blooms (HABs) are colonies of algae that grow out of control. With their exponential growth and ability to produce toxins, the impacts of HABs reach far beyond the physical health of people and marine ecosystems. They can compromise local and regional economies that are dependent upon healthy functioning waterways, with estimated losses to dependent industries of around $82 million per year (according to NOAA).

**Identifying and monitoring HABs**

Red tides can occur at the same time and place each year around the world, or they can just appear randomly. Although the problem has been identified and documented for a long time, decision makers and government agencies have been slow to deal with it strategically—mainly due to the lack of reliable decision-making tools.

With the advent of ocean color satellites, remotely sensed measurements have proven useful in the identification and monitoring of HABs. By incorporating information and analysis from the world's most comprehensive library of Earth imagery and data, Maxar Marine Service can now monitor the development of HABs around the world oceans in nearreal time.



RBD-Red Tide image viewed in Google Earth

### AQUACULTURE SITE SELECTION SERVICES

Maxar's best-in-class high-resolution satellites can collect images at 30 cm resolution—capturing details that empower informed decision making for aquaculture site selection. Our customizable Site Selection.

**Simple plants causing complex problems:**

- The latest high-resolution coastal satellite imagery
- Current bathymetry data derived from satellite imagery
- Comprehensive oceanographic analysis to help select best location

SeaStar

MAXAR