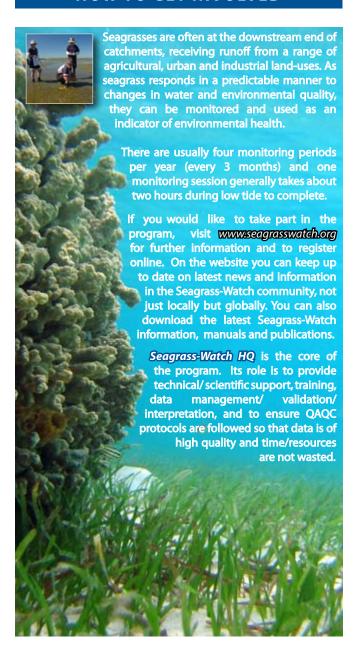
HOW TO GET INVOLVED



THE GOALS OF SEAGRASS-WATCH:



To educate the wider community on the importance of seagrass resources



To raise awareness of coastal management issues



To build the capacity of local stakeholders in the use of standardised scientific methodologies



To conduct long-term monitoring of seagrass & coastal habitat condition



To provide an early warning system of coastal environment changes for management.



To support conservation measures which ensure the long-term resilience of seagrass ecosystems

Contact Us



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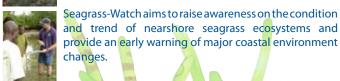




Raising awareness

What is Seagrass-Watch?







Participants of Seagrass-Watch are from a wide variety of backgrounds and all share the common interest in marine conservation. Most participants are associated with universities & research institutions, government (local & state) or non-government organisations, established local community groups and schools.

Seagrass-Watch also integrates with existing education, government, non-government and scientific programs to raise awareness and preserve these important marine ecosystems for the benefit of all. The program has a strong scientific underpinning with an emphasis on consistent data collection, recording and reporting. Scientific, statistical, data management, data interpretation and logistic support underpins all monitoring efforts.

What is Seagrass?

Seagrasses are a grouping of flowering plants that live in the coastal waters of the worlds' continents. They grow in sediment on the sea floor with erect, elongate leaves and a buried root-like structure (rhizomes).

There are 60 described species of seagrasses worldwide, with the greatest diversity found in the tropical waters of the Indo and western Pacific.

Seagrasses are unique amongst flowering plants, in that all but one genus can live entirely immersed in seawater. *Enhalus* plants are the exception, as they must emerge to the surface to reproduce; all others can flower and be pollinated under water. Adaptation to a marine environment imposes major constraints on morphology and structure. The restriction of seagrasses to seawater has obviously influenced their geographic distribution and speciation.

Where does Seagrass grow?

Seagrasses occupy a variety of coastal habitats. Seagrass meadows typically occur in most shallow, sheltered soft-bottomed marine coastlines and estuaries. These meadows may be monospecific or may consist of multispecies communities, sometimes with up to 12 species present within one location.

The depth range of seagrass is usually controlled at its deepest edge by the availability of light for photosynthesis. Exposure at low tide, temperature, wave action and associated turbidity and low salinity from fresh water inflow determine seagrass species survival at the shallow edge. Seagrasses survive in the intertidal zone especially in sites sheltered from wave action or where there is entrapment of water at low tide, (e.g., reef platforms and tide pools), protecting the seagrasses from exposure (to heat, drying) at low tide.

Protecting Seagrasses

Why Conserve Seagrass?

Seagrasses on reef flats and near estuaries are nutrient sinks, buffering or filtering nutrient and chemical inputs to the marine environment. They also stabilise coastal sediments, provide food and shelter for many organisms, and are a nursery ground for commercially important prawn and fish species.



The high primary production rates of seagrasses are closely linked



to the high production rates of associated fisheries. These plants support numerous herbivore- and detritivore-based food chains, and are considered very productive pastures of the sea. The associated economic values of seagrass meadows are very large, although not always easy to quantify.



