

## YOU CAN HELP PROTECT NEW ZEALAND'S WATERS FROM THE IMPACT OF MARINE PESTS

New Zealand's marine life and coastal environment are under threat from introduced marine plants and animals. .  
**Marine pests can affect the things you value.**

### YOUR BOAT

- Marine pests can damage the paint and hull where they attach.
- They can increase drag and therefore fuel costs.
- They can clog intakes, motors or propellers, causing engine overheating.

### YOUR FISHING

- Marine pests can put additional pressure on fish and shellfish populations by competing for food, preying on them and damaging habitats.
- Pest outbreaks can result in movement controls or fishing/boating bans to stop the pest spreading further.

### YOUR ENJOYMENT OF OUR COAST

- Marine pests can damage our unique coastal environment, setting up unsightly populations in the areas you love.



*Eudistoma elongatum*  
sea squirt on  
a beach in  
Northland

### YOU CAN HELP

**Check and clean your boat regularly and keep your antifouling paint in good condition.**

### MARINE PESTS CAN:

- damage your boat;
- increase your fuel and maintenance costs;
- impact on fishing;
- destroy the marine environment;
- threaten human health.

You may have marine pests hitchhiking on your boat and could unknowingly be spreading them to your favourite destinations.

Cleaning your boat and gear, and keeping your hull well antifouled will help stop the spread of marine pests.



### EVERYONE HAS A ROLE TO PLAY. KEEP YOUR BOTTOM CLEAN!

If you believe you've seen something unusual out there, please:

- Note its location
- Take a sample if you can, plastic bag it and refrigerate
- Call MPI's **Freephone 0800 80 99 66**

For more information visit: [www.biosecurity.govt.nz](http://www.biosecurity.govt.nz)  
and [www.cleanboating.org.nz](http://www.cleanboating.org.nz)

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# CLEAN BOATS – LIVING SEAS

**Save money on fuel.  
Improve your boat's performance.  
Stop the spread of marine pests.  
Keep your boat clean and antifouled.**



# IT'S THIS EASY TO KEEP HITCHHIKING PESTS OFF YOUR BOAT!

## 1. CLEAN IT

- Haul out and remove all large fouling matter by hand. Dispose of in a bin going to landfill. It's important this material does not get back into the sea where it could reproduce.
- Hose and brush or waterblast to remove all fouling. Try to haul your boat out at a facility where the wash-off is contained and treated before going back into the sea.
- Pay special attention to underwater gear and fitting parts that stick out or retain water such as the keel, intakes and outlets, propellers and shafts, rudders and casings. These are prime locations for harbouring pests.
- Do this at least annually, and anytime there is a build up of fouling. Never let fouling build up beyond a light slime layer.

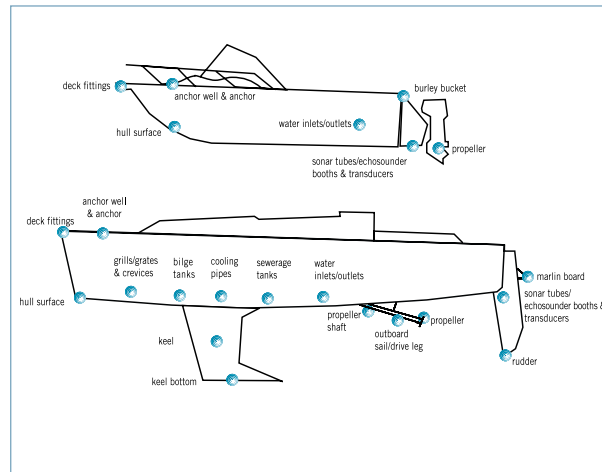
## 2. ANTIFOUL IT

- Renew paint at the interval recommended by the manufacturer or retailer, if the paint has been scraped or damaged, or if persistent fouling is occurring. Paints generally last between one and two years.
- Apply paint to a clean and dry hull. Prime first if the hull surface is exposed.
- Apply a good coat and don't miss those underwater fittings.
- Antifouling works best with several coats applied.
- Allow each coat to dry between applications and ideally allow final coat to cure for 24 hours before re-launching.

## 3. EXTRA STEPS

- Check your boat is clean before you move location. If not, clean it.
- Regularly treat internal seawater systems – flush with freshwater or an approved treatment.
- Dispose of sewage and bilge water at an approved pump-out facility.
- For trailers, boats, jetskis, canoes, dive gear and fishing gear – wash with freshwater after use and allow to thoroughly air dry before using in a new location. Remove any debris or bycatch material as you clean, rather than throwing over the side when you get to a new location.

WITHOUT A CLEAN OR ANTIFOULING FOR THREE YEARS



Hull

Keel

Propeller



PAY SPECIAL ATTENTION TO THESE AREAS

WATERBLASTING AND ANTIFOULING

