



Shellfish Growers of Tomales Bay Marine Debris Clean ups 2016

PROC - Point Reyes Oyster Company

HIOC - Hog Island Oyster Company

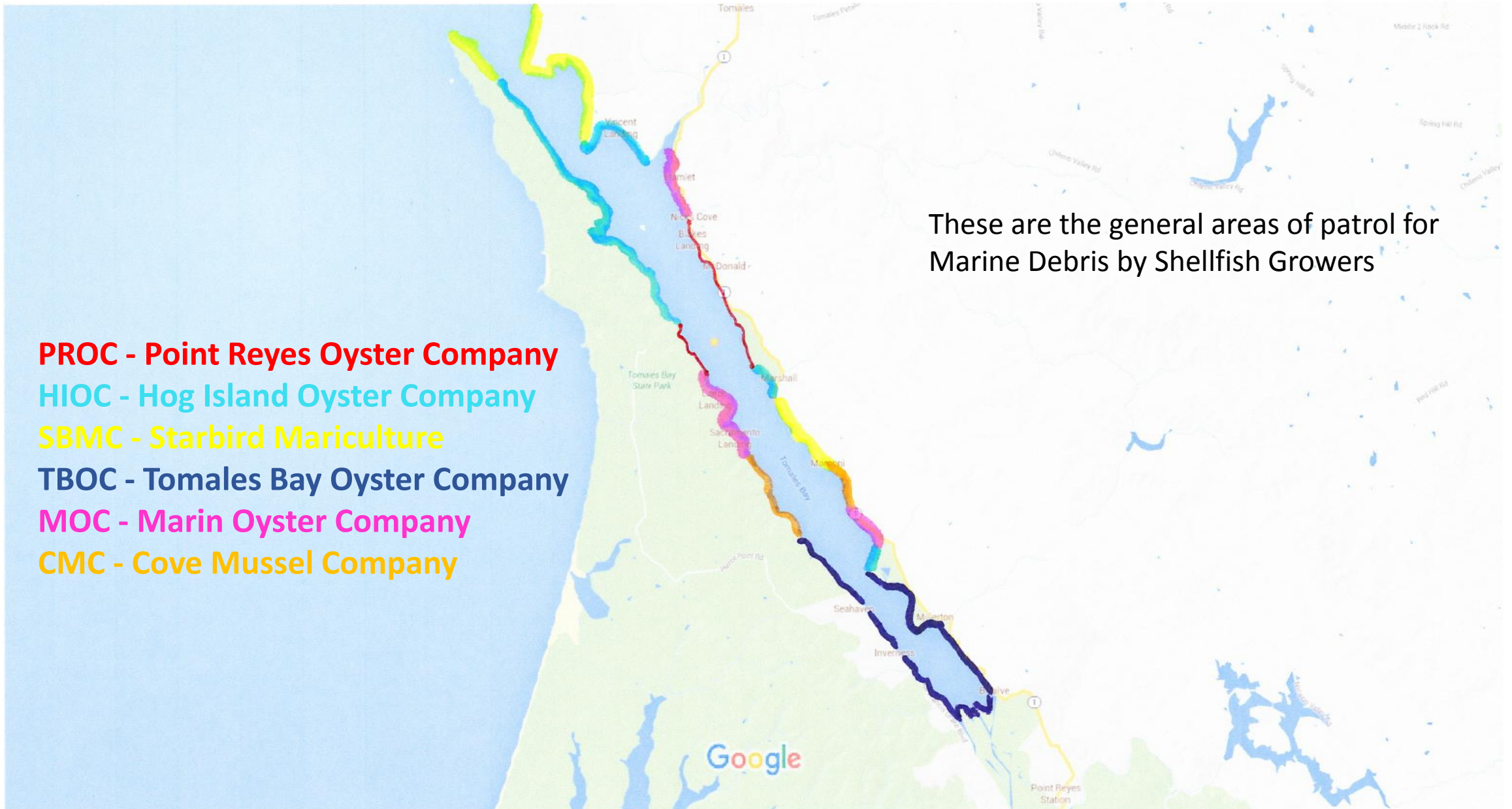
SBMC - Starbird Mariculture

TBOC - Tomales Bay Oyster Company

MOC - Marin Oyster Company

CMC - Cove Mussel Company

These are the general areas of patrol for
Marine Debris by Shellfish Growers



Tomales Bay Oyster Company

January 9th 2016

- 7 shellfish growing bags
- 7 bags full of trash (food and fishing gear wrappers, cans, plastic bottles, paper, pieces of plastic cardboard, sandals, gloves, etc.)
- 3 pieces of lumber
- Several pieces of wire and rope
- 4 glass bottles
- 2 big pieces of Styrofoam



Tomales Bay Oyster Company

February 9th 2016

- Several pieces of shellfish growing bags
- Multiple pieces of wire
- 6 plastic bags
- Several pieces of Styrofoam
- 3 sandals
- Multiple pieces of plastic
- Several zipties
- Pieces of rope



Tomales Bay Oyster Company

February 18th 2016

- Multiple shellfish growing bags
- 5 glass bottles
- 5GL bucket
- 3 large pieces of rusted metal
- 3 large pieces of corrugated fiberglass



Hog Island Oyster Company

March 17th 2016: 430-15, from Tom's point and Preston Point

- 4 Oyster trays
- 7 grow out bags (colored)
- 8 9mm bags
- 4 Styrofoam floats
- Block of Styrofoam approx. 1x3 ft.
- Grocery tote bag
- Toilet seat
- 4 plastic water bottle
- Bleach bottle
- Foam boat seat
- Piece plastic pipe
- Sandal
- 2 blue plastic floats
- Old piece of rope
- Bottle of vegetable oil
- Snack wrapping
- Small vessel gas tank



Tomales Bay Oyster Company

April 14th 2016

Truck load of PVC, rope, and hardware



Marin Oyster Company

Late April 2016

- Multiple shellfish growing baskets and bags
- 2 buoys
- Lumber
- Plastic container



Hog Island Oyster Company

April 26th 2016: the whole length of 430-15

- 14 9mm bags
- 2 grow out bags with black cylinder floats
- 4 grow out bags all torn up
- 3 plastic water bottles
- 2 plastic zip lock bags
- 2 racks rebar frames
- 4 PVC 2" broken pipes
- Random scrap metal
- 9 grow out bags mixed color



Hog Island Oyster Company

May 6th 2016: the whole length of 430-12

- 3 glass liquor bottles
- 3 short pieces of different rope
- Various plastic bags, wrapping
- CADFW tag
- HIOC row marker
- 1/2" mesh grow out bag
- Piece of rebar.



Hog Island Oyster Company

May 12th 2016: the whole length of 430-12

- Floating growing bag
- Life preserver
- Large piece of plastic



Hog Island Oyster Company

May 18th 2016: the whole length of 430-12

- 9 plastic wrappers
- 4 Ziploc bags
- 2 shellfish market bags (yellow and green)
- Coffee cup
- Bigger ripped piece of 1/2" grow out bag.



Hog Island Oyster Company

May 22nd 2016: from HIOC toward Marconi Boat Launch, back on west shore,
and walked from Bird Sanctuary to about WQ Station #4

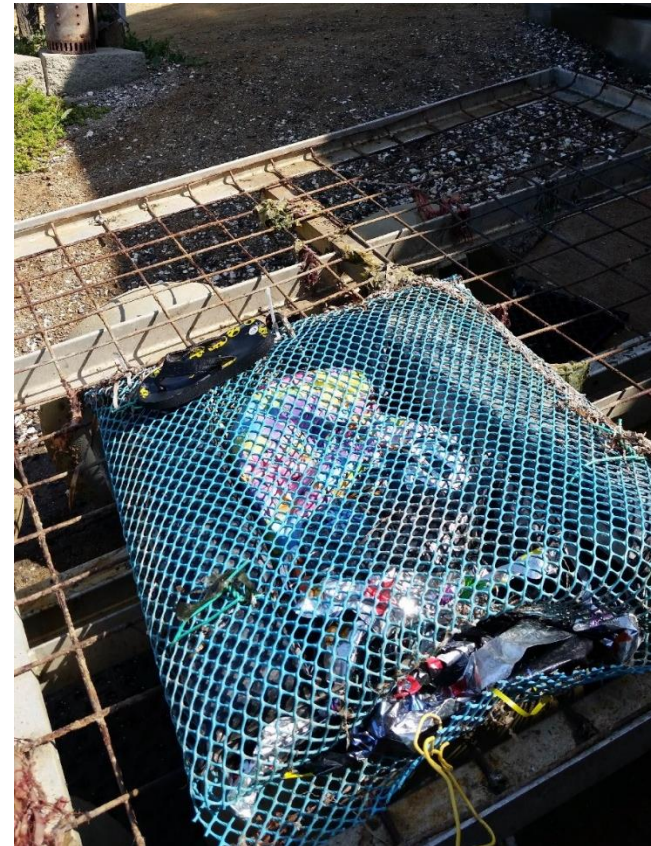
- Plastic kids bucket
- 2 jugs with coil of rope
- 3 pieces of snack wrappers
- 2 water bottles
- 2 ' piece of rope
- Beach umbrella
- Wood pallet
- Sheet of plywood
- 2 ball buoys
- Fender buoy
- 5GL bucket



Hog Island Oyster Company

May 29th 2016: 430-12, crossed the bay and checked west shore,
crossed again looked for trash between WQ Station #4 and Miller Landing

- Floating oyster bag
- 2 deflated balloons
- Kid size sandal



Starbird Mariculture

June 4th 2016: Collected Between Sand Point and Tom's Point

- 3 plastic bottles
- 5 plastic bags
- 2 crab buoys
- 4 pieces of rope

Hog Island Oyster Company

June 5th 2016: 430-11, 430-15 and 430-12. Also checked Miller Landing and Marconi Boat Launch

- Beer bottle
- 2 neoprene pouches
- Plastic bag
- 2 buoys and 25 ft. rope
- Piece of foam



Hog Island Oyster Company

June 7th 2016

Pulled out old rebar from old Olympia reefs.



Hog Island Oyster Company

June 12th 2016: whole length of 430-15, checked Miller Landing and
whole length of HIOC's Cove in Marshall

- Plastic bag
- Tupperware
- Food wrapper
- Nerf football
- 2 clam bags
- Soda can
- Work glove



Hog Island Oyster Company

June 16th 2016: whole length of 430-12 and along grassy Point

- 5 Styrofoam plates
- 3 paperboard boxes
- Fishing gear wrappers
- Food wrappers
- Oyster tray
- 15 cans
- 4 plastic cups
- 3 plastic bottles
- 6 plastic bags
- Plastic bowl



Hog Island Oyster Company

June 26th 2016: Marconi boat launch and whole length of 430-12

- Floating oyster bag
- Deflated beach ball
- Plastic bag
- Piece of an oyster bag



Point Reyes Oyster Company

July 2016: from Nick's Cove south to Marshall.

Our July Cleanup efforts yielded everything from small residential waste items to larger wooden structures and even some legacy gear from the old Jensen raft. 95%. Much of the residential waste was found underneath private homes along this stretch. The frame from the Jensen barge was found partially buried on the shore just south of Blake's Landing. GPS coordinates were (38.1797, 122.909).

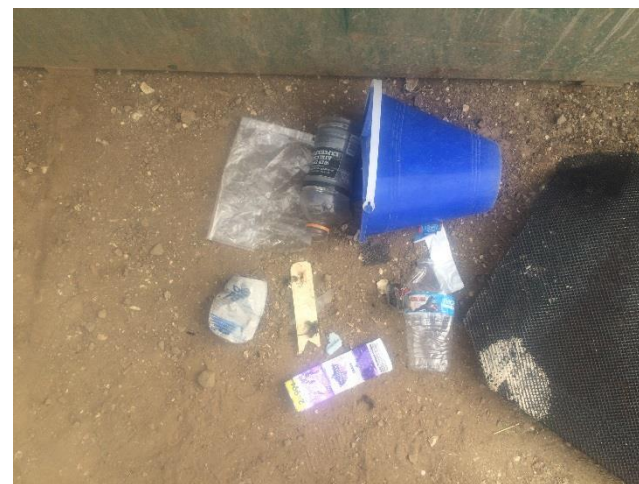
- (8) Oyster Bags
- (4) Garbage Bags Loose Trash
- (1) Lifejacket
- (1) Wire Spool
- (4) Individual Wood Pieces
- (2) Wooden Structures
- (3) 5 Gal Plastic Buckets
- (2) Metal Frame Pieces
- (1) Plastic Shovel
- (1) Plastic Tote Lid



Hog Island Oyster Company

July 3rd 2016: collected on the side of the road by Walker Creek

- Plastic crate
- 2 glass bottles
- Paper cup
- Food wrappers
- Paper bag
- Tire
- 2 plastic bottles
- Fishing gear wrappers
- Shellfish growout bag
- Plastic bucket
- Aluminum can



Hog Island Oyster Company

July 6th 2016: along Grassy Point

- 2 full trash bags on the side of the road. One had been ripped apart so had to be rebagged.
- 3 plastic bottles
- 3 plastic bags
- 2 Styrofoam cups
- Sandal



Hog Island Oyster Company

July 17th 2016: whole length of 430-15 and from 430-14 to the
Marshall Hog Island Cove through the Bird Sanctuary

- 3 buoys
- Green plastic tray
- Water jug
- Baseball cap
- Pink Styrofoam tray
- Basketball
- Tennis and wiffle ball
- Filter basket
- Crab buoy
- Small plastic propeller
- Plastic water bottle
- 2 pieces of cardboard
- Orange wood plank
- 7 food and fishing gear wrappers



Starbird Mariculture

March 3rd, April 19th, and July 24th: Collected Between Sand Point and Tom's Point

- 6 shellfish growing baskets
- 6 water bottles
- Oil plastic bottle
- 2 soda cans
- Several food and fishing gears wrappers
- Several plastic bags



Hog Island Oyster Company

July 24th 2016: boating from Tony's restaurant down to 430-12.

- Floating oyster bag
- Part of a boat's window
- Kid's swimming board



Starbird Mariculture

August 10th: Collected Between Sand Point and Tom's Point

- 4 beer bottles
- 2 cans
- 6 pieces of plastic that could not be described otherwise

Hog Island Oyster Company

August 11th 2016: from HIOC South along 1, East side of road to Tavern,
continuing to 'Marshall' sign, then back along West side.

- 2 car parts
- 2 aluminum cans
- 3 paper bags
- 10 food and fishing gear wrappers
- 5 paper scraps



Hog Island Oyster Company

August 11th 2016: From Church to parking and pullout along HWY 1
past Marshall Tavern to first residence.

- 2 road signs
- 5 aluminum cans
- 9 paper bags
- 15 food and fishing gear wrappers
- 8 paper scraps
- Voting sign
- Traffic cone
- Hose pieces
- 2 Plastic bottles
- Coffee cup
- Cardboard box



Cove Mussel Company

Marconi Cove South to residential houses

- License plate
- Plastic bags
- Sandal
- Food and fishing gear wrappers
- Several wires
- Several pieces of plastic
- Tail light cover
- Shellfish bag



Hog Island Oyster Company

September 9th 2016: Walked the whole length of 430-15 and north side of Tom's Point.

- 5 water bottles
- glass bottle
- aluminum can
- 26 food wrappers
- 3 plastic bags
- shower cap
- 15 pieces of plastic
- 3 plastic bottles
- clam bag
- plastic mesh bag
- jug full of fishing gear
- tennis ball



Hog Island Oyster Company

September 14th 2016: Picked up three redwood stainway unit planks at 430-11.



Hog Island Oyster Company

September 17th 2016: whole bay clean up event.

- Shellfish growing bag
- 5 GL bucket (half full of cardboard, plastic, and paper scraps)
- 5 bags full of trash (food and fishing gear wrappers, cans, plastic bottles, paper, pieces of plastic cardboard, sandals, diapers, etc.)
- Lumber
- Crab trap
- Red shoulder bag (also full of trash)



Hog Island Oyster Company

September 27th 2016: whole length of 430-12

- Shot gun shell
- 12+ Plastic food and candy wrappers
- Plastic wrapping and bags
- Beer can
- Needle nose pliers
- 9mm growout bag
- 1/2" mesh remnants
- Ribbon for balloon



Hog Island Oyster Company

October 2th 2016: Boated from HIOC cove to Miller Boat Launch.

- Shellfish growing bag
- 2 mooring buoys
- Crab buoy with rope attached
- Plastic food container
- Whistle
- 2 floating oyster bags reattached to lines



Hog Island Oyster Company

October 6th 2016: HWY 1 from the HIOC south to the curve
past the Marshall Tavern.

Paper cup

- 13 paper scraps
- Cardboard scrap
- 6 plastic scraps
- 21 cigarette butts
- Shellfish tag



Hog Island Oyster Company

October 7th 2016: Hog Island Oyster Co. north on Highway 1
to the Dunn Ranch driveway.

- 5 glass bottles
- 3 water bottles
- 2 large paper cups
- 7 aluminum cans
- 2 plastic food containers
- 2 plastic bottles
- Large piece of plastic
- 2 bags of paper and plastic scraps and food wrappers



Summary of Debris by number of items and general description:

Shellfish growing bags	140	Fishing gear wrappers	28
Metal scraps	131	Glass bottles	25
Rope	118	Lumber	21
PVC	106	Styrofoam	21
Food wrappers	86	Cigarette butts	21
Plastic scraps	69	Buoys	17
Paper scraps	49	Shellfish growing trays/crate	14
Plastic bottles	48	Wire pieces	13
Plastic bags	45	Other	95
Aluminum cans	37	Bags full of trash	21

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