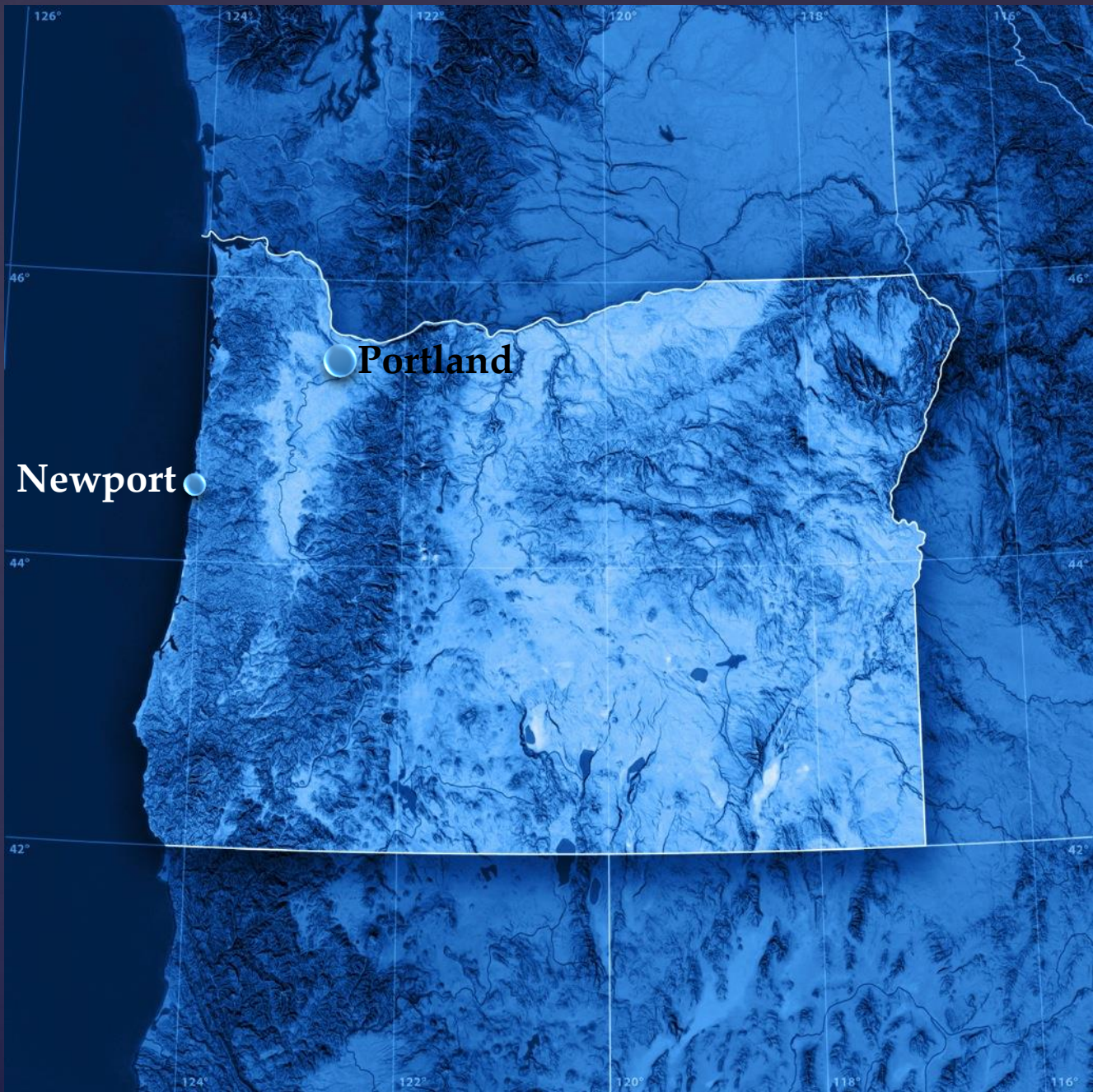


SO YOU HAVE PEOPLE
ON YOUR WORKING
WATERFRONT;

{WHAT DO THEY KNOW AND
{WHAT CAN YOU TEACH THEM







Portland

Newport



















MARINE POLLUTION

Marine pollution is a world-wide problem that affects ALL living things that use the ocean. While unsightly and inconvenient for people, marine pollution can be fatal for animals living in the ocean.

It is estimated that 80% of debris in the ocean is in the form of plastics—which never biodegrade. They photodegrade, breaking down into smaller pieces. Birds, fish, marine mammals and sea turtles often mistake floating trash for food. Eventually the animals suffer a tragic death from starvation, internal injuries, suffocation, or toxic poisoning.



Photo by Bill Fisher

You may see a sea lion with fishing line or a plastic board wrapped around its neck, or a balding bird hanging out of its mouth. Why doesn't someone just catch the sea lion and remove the entanglement?

Entangled animals are often active, aggressive, and can pose a danger to those trying to help them. In order to remove the debris, rescuers would likely need to subdue the animal and risk it jumping into the water and drowning.

Rescuers assess each situation and determine the safest and most practical way to respond. Unfortunately, they are not able to attend to every animal.



Photo by Bill Fisher

BE THE SOLUTION

The long-term solution to entanglement and marine pollution is prevention. Almost 80% of the pollution in the ocean comes from land-based activities; only 20% is a result of activities at sea. There are things that ALL of us can do to reduce injury and mortality to marine life.



REDUCE, REUSE, RECYCLE!

Less production of plastics means less plastic pollution in the ocean. Marine animals mistake brightly colored plastic for food, eat it, and then die.

LOSE THE LOOP!

Cutting any type of loops (like pack rings, ribbons, bands) before discarding them in the trash will help prevent entanglement.



USE CLOTH BAGS

instead of plastic bags to carry groceries. Sea turtles mistake plastic bags (and balloons) for their favorite food—jelly.



DON'T LEAVE THE LINE BEHIND!

Proper disposal of non-landfill fishing line will help prevent entanglement of marine life. Recycle it when possible.



PARTICIPATE

in local cleanup programs, like SCUBA Diving Cleanups, Surfs and Tackles. For more information, visit our website at www.OCA3.org.

If you see a marine mammal that is being harassed, looks stranded, or is entangled, please contact the Oregon State Police at 800-452-3333.



CALIFORNIA SEA LIONS—REGULAR NEWPORT VISITORS

From late August through early June, visitors to the Newport Boardwalk will regularly see adult and juvenile male California sea lions (*Zalophus californianus*) resting on the docks. Female sea lions stay in California waters year-round. During the summer months, male sea lions migrate north to join the females for the breeding season.



Male California sea lion
MARINE MAMMAL PROTECTION

Inside California Sea Lion
California sea lions, like all marine mammals, are protected by the Marine Mammal Protection Act. If you see a marine mammal that appears "distressed," do not touch or move it. Move others that you see away from the water to rest. Disturbing, harassing, or interacting with them is against the law.

If you see a marine mammal that is being harassed, looks stranded, or is entangled, please contact the Oregon State Police 360-452-7868.



OREGON COAST AQUARIUM
NEWPORT, PORT OF NEWPORT
LANDMARKS
SEA LION



Sea lions are hard to ignore when they are on land - just follow the harping. Whether it's establishing territories during breeding season or competing for space on the dock, this noisy behavior is one of the ways they communicate with each other.

Male sea lions grow to a length of eight feet and weigh up to 3,000 pounds. Female sea lions, by comparison, grow to a length of six feet and weigh 200 pounds. Feeding on a variety of fish, squid, and kelp, an adult sea lion will eat between 5-8% of its body weight everyday.



You may notice that some of the sea lions are marked with a number on a tag. Researchers use these markings to track the animals and learn more about their breeding habits and migration patterns.

To learn more about sea lions, visit the Oregon Coast Aquarium in Astoria and the Oregon Marine Mammal Stranding Network website at <http://www.oregonmammals.org>

CALIFORNIA SEA LIONS—REGULAR NEWPORT VISITORS

From late August through early June, visitors to the Newport Bayfront will regularly see adult and juvenile male California sea lions (*Zalophus californianus*) resting on the docks. Female sea lions stay in California waters year-round. During the summer months, male sea lions migrate south to join the females for the breeding season.



Male California sea lion

Sea lions are hard to ignore when they are on land – just follow the barking. Whether it's establishing territories during breeding season or competing for space on the dock, this noisy ruckus is one of the ways they communicate with each other.

Male sea lions grow to a length of eight feet and weigh up to 1,000 pounds. Female sea lions, by comparison, grow to a length of six feet and weigh 250 pounds. Feeding on a variety of fish, squid, and octopus, an adult sea lion will eat between 5-8% of its body weight everyday.



Female California sea lion



MARINE MAMMAL PROTECTION

California sea lions, like all marine mammals, are protected by the **Marine Mammal Protection Act**. If you see a marine mammal that appears "stranded" do not touch or move it. More often than not they have hauled themselves out of the water to rest. **Disturbing them or interacting with them is against the law.**



Photo by Jim Rice

You may notice that some of the sea lions are marked with a number or a tag. Researchers use these markings to track the animals and learn more about their feeding habits and migration patterns.

If you see a marine mammal that is being harassed, looks stranded, or is entangled, please contact the Oregon State Police 1-800-452-7888.

To learn more about sea lions, visit the Oregon Coast Aquarium or check out the Oregon Marine Mammal Stranding Network website at <http://mni.oregonstate.edu/ommsn>.

OREGON COAST
AQUARIUM



Port of Newport





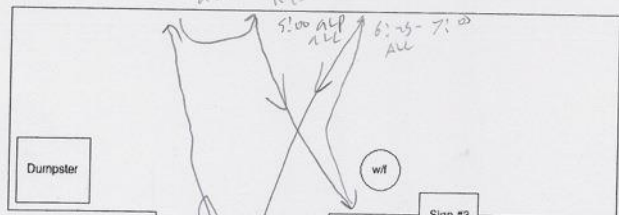
1. 2010. 12. 4. 1

Mon 4
Tues 4
Wed 5

7/12 11:20

2:25 - 4:40
ALL 4:45 - 5:50

6:25 + no missed - 6:45 SAHAR
Parked at CV3



Not
to
Scale

(usual note!
notice arrows! BeATT
Starts notice
to people receiving things

7:35

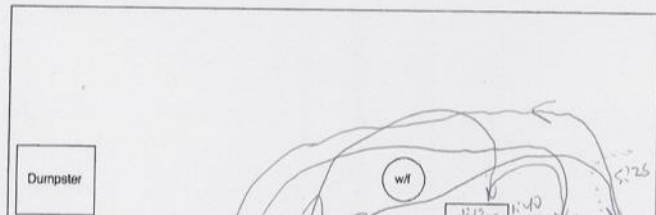
5:05-36

~ (Success)

1. 2010. 12. 4. 2

Mon 4
Tues 4
Wed 5

7/12 11:20



Not
to
Scale

5:25-6:05
close!

11:15-11:40
11:15 ALL
3:05 ALL (at meeting)
at a sign in front of the road
1:00 rise back in
puffy in and on my hand
puffy in range in the w/f

4:55 think this guy noticed
me that at my (at sign)
in birds when my RL
was back

6:40-7:00

Dock ↑
1.2010-7.12AX

1.2010-7.12A-1

transfer	0:00 - 0:05	0:05	Entry to small sign
at	0:05 - 0:30	0:25	small sign
transfer	0:30 - 0:50	0:20	small sign to zone 2
at	0:50 - 2:20	1:30	zone 2
transfer	2:20 - 2:30	0:10	zone 2 to sign 2
at	2:30 - 3:10	0:40	sign 2
transfer	3:10 - 3:25	0:15	sign 2 to zone 7
at	3:25 - 5:50	2:25	zone 7
transfer	5:50 - 6:00	0:10	zone 7 to zone 4
at	6:00 - 6:15	0:15	zone 4
transfer	6:15 - 6:25	0:10	zone 4 to zone 7
at	6:25 - 7:00	0:35	zone 7
transfer	7:00 - 7:35	0:35	zone 7 to exit

1.2010-7.12A-2

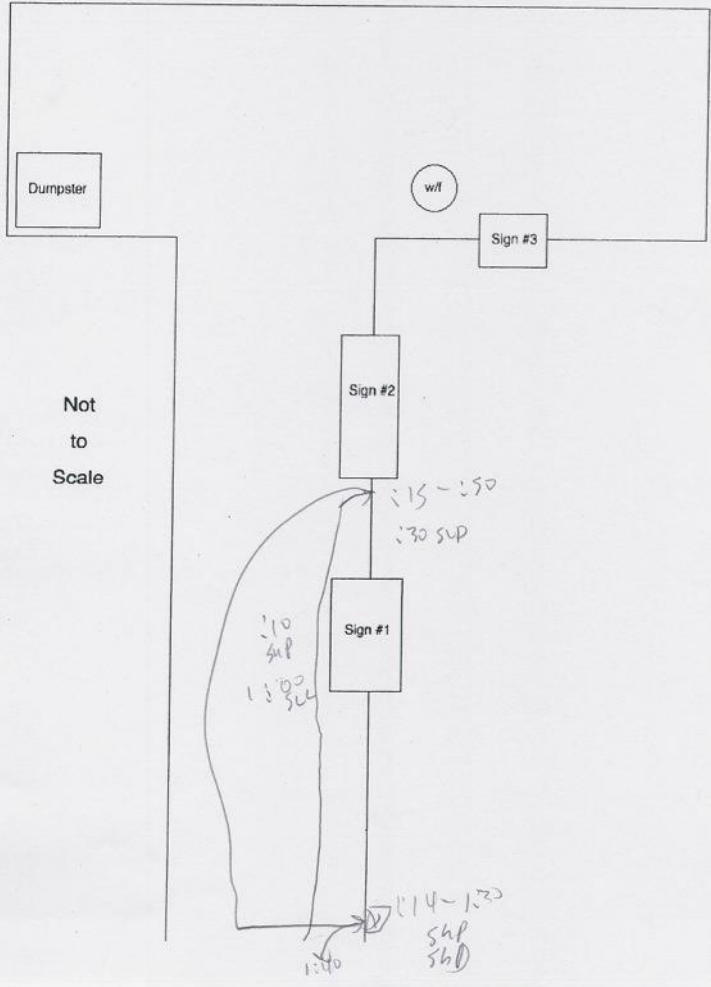
transfer	0:00 - 0:20	0:20	Entry to zone 3
at	0:20 - 1:10	0:50	zone 3

1. 2010. 7. 12. 3

mido
pa 40
pa 15

7/12

11:40

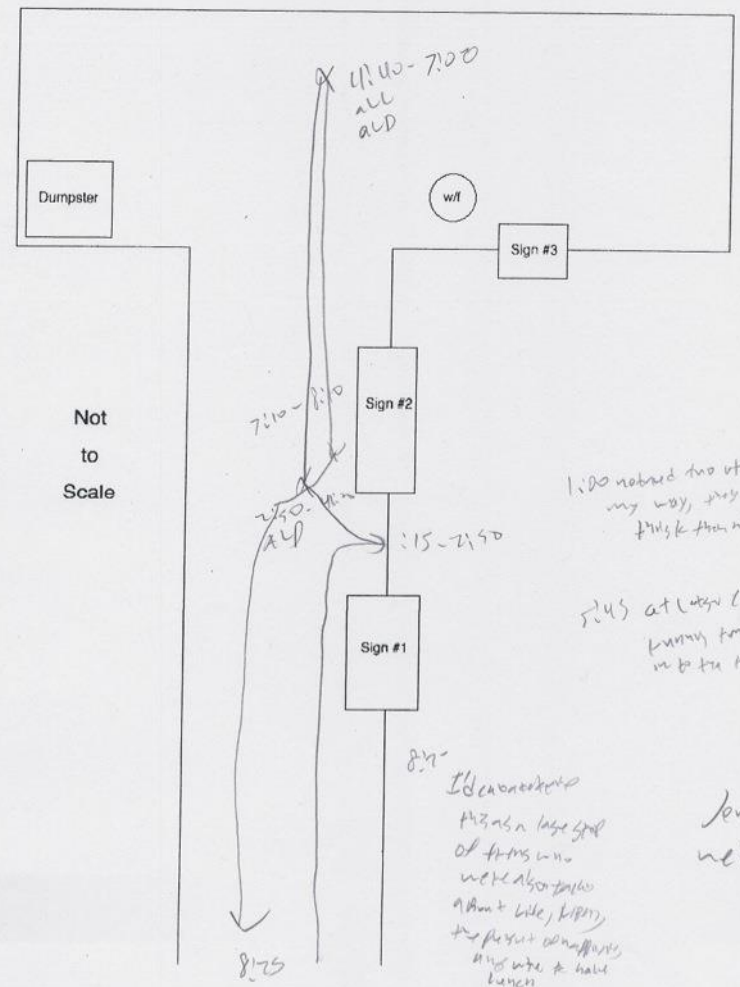


1. 2010. 7. 12. 4

mido
pa 50
pa 50
mido

7/12

~11:40







Working Waterfronts Survey:

Background: we're developing a tour of Newport's working waterfront, and I'm looking for people to take a short survey on their thoughts/impressions of what the waterfront is/does.

We're looking to see what they misperceive them to be.

1. What is your zip code
2. How frequently come to Newport— >1/month; 2-6/year; 1/year or less
3. What do you think a working waterfront is? (Describe what you think a working waterfront is)
4. What kinds of industries are found on the waterfront?
5. Do you know what _____ is (crab pots, processor—something specific—either an image of the crab storage area or something like that)
6. What is the role of the jetty?
7. What questions do you have about Newport's waterfront?
8. Something about what fish are caught here... (season? Gear used?)
9. What do you like to see on the waterfront? (boats, gear, beaches, condos, etc)
10. What do you know about the NOAA vessels?
11. Why are you in Newport—what did you come to do? (check all that apply)
 - a. Vacation, sights, eat, arts,
12. A question about changes in the waterfront

Survey #	Survey location	Hometown	Frequency
1	Und. Gardens	Spokane, WA	1/yr or less
2	Sea lion dock	Hillsboro, OR	2-6/yr
3	Sea lion dock	Corvallis, OR	1/month
4	Sea lion dock	Puyallup, WA	1/yr or less
5	Sea lion dock	Bend, OR	2-6/yr
6	Sea lion dock	Salem, OR	2-6/yr
7	Sea lion dock	Vancouver, WA	1/yr or less
8	Sea lion dock	Idaho	1/yr or less
9	boardwalk	Oregon City, OR	2-6/yr
10	boardwalk	Calgary, CA	1/yr or less
11	Sea lion dock	Oklahoma	1/yr or less
12	Sea lion dock	Hillsboro, OR	2-6/yr
13	Sea lion dock	Minneapolis, MN	1/yr or less
14	Nye beach	Seattle, WA	1/yr or less
15	Nye beach	Monmoth, OR	2-6/yr
16	Nye beach	Idaho	1/yr or less
17	Nye beach	Grass Valley, CA	1/yr or less
18	Nye beach	Portland, Spokane	1/yr or less
19	Aquarium	Las Vegas, NV	1/yr or less
20	Aquarium	Alaska, Oklahoma	1/yr or less
21	Aquarium	Portland, OR	1/year or less
22	Aquarium	Corvallis, OR	2-6/yr or lesss
23	Aquarium	Illinois	1/yr or less, first t

Working waterfront

crabbing, fishing, fish processing, sportfishing

fish processing, tourists

fishing business, fishing

marinas, fishing, marine life

fishing, boats, markets, seafood

fishing boats, crabbing

fishing, not tourism

labor, making a living

business, fish operations, salt water taffy

boats, fishing, seafood

boats, marine life, scenery

fishing fleet, HMSC, cousteau society, NOAA, fishing for living

seals, fishing, education, marine life

businesses, tourism, pedestrians, easy access, fishing, NOT factories/manufacturing

ecosystem, fishing, industry, seafood, underwater garden

businesses on water, cafes, shops, beach supply

fishermen, tourism

fishermen, fishing, selling fish to restaurants part of the industry

shipping, wetlands

preserving the ocean, keeping it clean

easy access to fishing boats, "nuts and bolts" of fishing industry

active fishing industry, tourism, active local communities

commercial fishing

Seafood species

salmon, tuna, bottomfish
salmon, bottomfish, lingcod, clams, seabass, snapper, crabs.
crab, seabass, salmon, tuna
salmon, seabass, tuna, lingcod
crab, fish, bottomfish. (knew all, former fisherman)
halibut, tuna, salmon
crab
salmon, bottomfish, lingcod, crabs
salmon, halibut, tuna, seabass, crab
crab, shrimp, tuna, salmon, cod
crab, oyster, clams, seabass, tuna, shark?, halibut
tuna, salmon, rockfish, lingcod, crabs, molluscs
salmon, halibut, oysters
crab, halibut, salmon
halibut, lingcod, salmon, crab
shrimp, crab, salmon, tuna
salmon, cod, shrimp, crabs
halibut, oysters, clams, crabs, salmon
clams, salmon, crabs, oysters, grouper
crab, shrimp, oysters, halibut, salmon, snapper
tuna, salmon, crab, halibut, rockfish,
crab, tuna, salmon
halibut, salmon

Seafood gear

nets
pots, nets
no
gill nets, trawling
yes (fmr. Fisherman)
gill net, long-line, pots
no clue
netting
fishing poles, pots
no
downriggers
nets, trawls
no
pots, trawl
crab pots, nets,
no. been crabbing
crab pots, shrimp/fish nets
rough idea - pots/nets
crab pots, nets or lines
nets, cages, fishing poles
crab pots, nets, trawl, troll
troll nets, purse netting
no

Like to see?

boats

boats, gear

were crabbing

marine life, sailboats, lighthouses, coastline

boats

boats

ocean, beach, fish

boats

boats, beaches

sea lions, fishing boats, birds

fishermen

beach, ocean, natural scenery

beach, ocean, natural scenery, picnics

beach, lighthouse, most of time on beach

seafood, shopping, scenery, wildlife

boats

beach, coastline, local arts/crafts, shopping, historic district

waves, sunshine, sand

seals eating fish, boats, active things, would be nice if there was more potential to fish (recreational)

accessible piers and docks, ease of buying fish from boats, posters or stations explaining the history and fishing in restaurants

Enhance?

yes. Talked forever!

yes. Fishing, family oriented

yes. Also the beach, seashells

yes. Seafood, eating, scenery, boats

yes. People making living from ocean

yes. Include lighthouse.

yes.

yes. Tourism is secondary. Livelihood

yes. Sea lions, HMSC, ships, brewery

yes. Seeing how people make livelihood

No. don't like the smell

absolutely

yes. Makes people fantasize about living on coast

not main attraction, mainly coast/beach

yes. Mainly beach though

usually walk along bayfront pier, sea lions

usually passing by. Like to look at attractions

history, memorial walk, working families

yes. They enjoy the historical district

yes. People have to make a living

yes

yes. Great to see how seafood is caught and who is doing it

yes. Nothing in particular







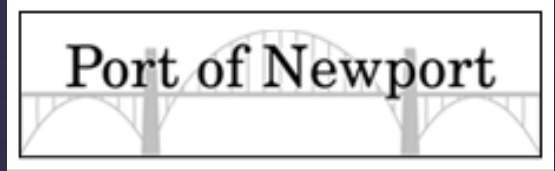
**No Flash
Photography**
It **SCARES** the octopus













WELCOME To Port Dock One!

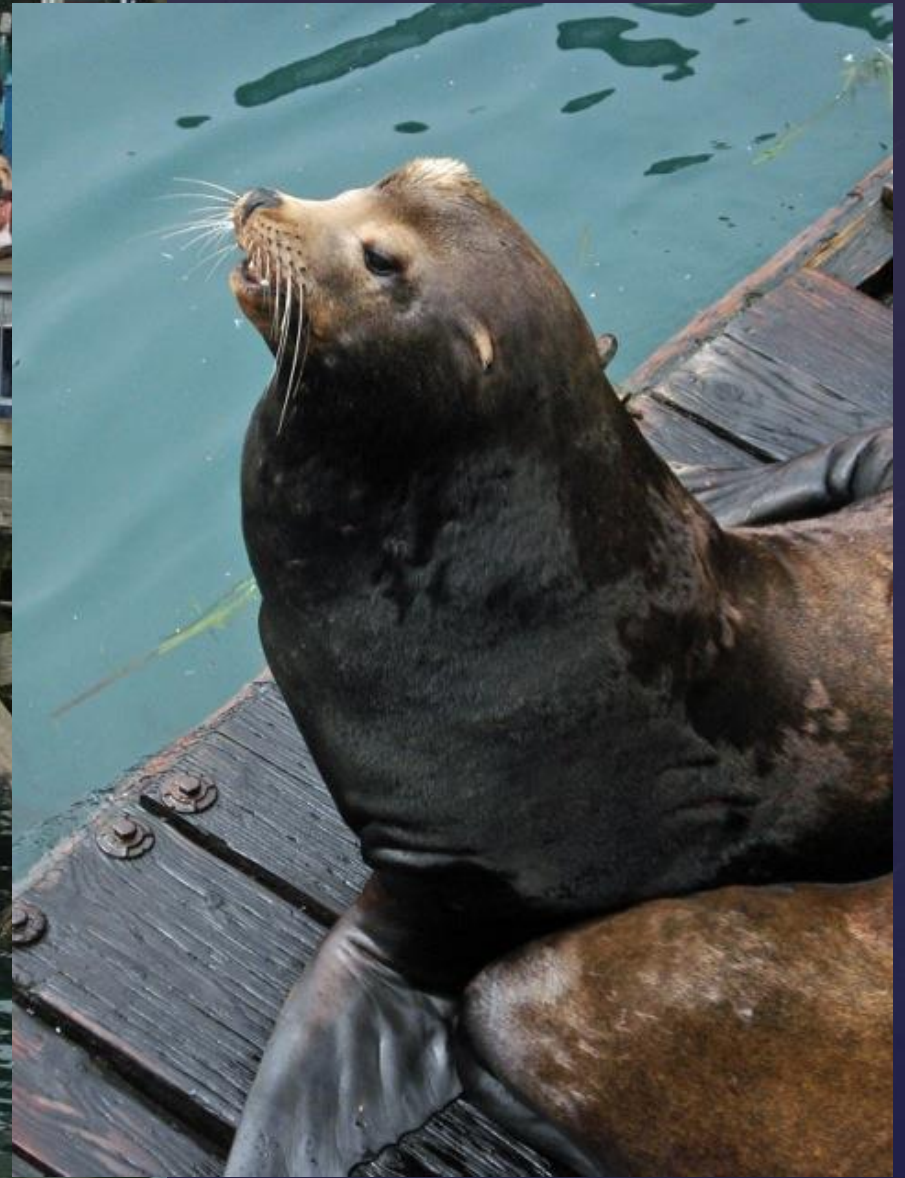
A dynamic working waterfront where fishers,
the public, and wildlife meet!



As you explore this unique area, here are a few things to keep in mind:

- Please do not let children sit or stand on the railing •
- When fishing vessels are present, please allow them space to work •
- California sea lions are federally protected under the Marine Mammal Protection Act.
It is illegal to harm, harass, or feed them •
- No spitting or throwing items at the sea lions or in the water •
- This area is open daylight hours only •
- No alcoholic beverages •
- Crabbing is allowed when no vessels are present •
- Be careful of your personal items when leaning over the rail •
- Be aware of uneven or wet footing •









WORKING WATERFRONTS OF OREGON

- 1 Fisherman's Memorial Walk**
Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dol.
- 2 Port of Newport Gear Area**
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- 3 Net Making**
Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dol.
- 4 The Docks**
Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dol.
- 5 Sea Lions**
Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dol.
- 6 Processing**
Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dol.
- 7 Site Safety**
You can get hurt, watch for falling stuff, follow posted warnings.
- 8 Site Safety**
You can get hurt, watch for falling stuff, follow posted warnings.
- 9 Site Safety**
You can get hurt, watch for falling stuff, follow posted warnings.
- 10 Site Safety**
You can get hurt, watch for falling stuff, follow posted warnings.
- 11 Site Safety**
You can get hurt, watch for falling stuff, follow posted warnings.
- 12 Site Safety**
You can get hurt, watch for falling stuff, follow posted warnings.



- 7 Hatfield Marine Science Center**
Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dol.
- 8 NOAA Facility**
laudantium, totam rem aperiam, eaque ipsa que ab illo inventore veritatis et quasi architecto beate vite dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut.
- 9 Newport Bridge**
Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dol.
- 10 Jetty**
Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dol.
- 11 Coast Guard**
Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dol.
- 12 Newport Marina**
Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dol.
- Coastal Hazards: Tsunami Awareness**
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WORKING WATERFRONTS OF OREGON

- 1** Newburg Forest Product Chop Mill
- 2** North Spit Activities
- 3** Shown Pacific Railroad Bridge
- 4** Joyner Greenery
- 5** Charleston Marina
- 6** Log Loading
- 7** Ship Yard
- 8** Ship Yard
- 9** Research
- 10** Joyner Greenery
- 11** Joyner Greenery
- Coastal Hazards: Tsunami Awareness**





Thank you