

WHALE WATCHING



SPOKEN HERE

Call for

Volunteers

Winter 2009 - Spring 2010

Whale Watching Spoken Here connects trained volunteers with visitors along the Oregon coast during the two major Gray whale migrations. The program's main objectives are to help visitors see and learn about the whales and other marine life along our coast.

We offer three training sessions each year. Sign up and attend the one of your choice:

Dec 5-6 Hatfield Marine Science Center, Newport

Jan 23-24 Oregon Institute of Marine Biology, Charleston

Feb 20-21 Lewis and Clark Interpretive Center, Ilwaco, WA

Volunteers must attend one training session before they can serve at a *Whale Watching Spoken Here* site. Once trained, they may volunteer every year thereafter. We encourage seasoned volunteers to take refresher courses, and invite previously trained volunteers to audit trainings at no cost.

Dr. Bruce Mate, director of the Oregon State University Marine Mammal Institute, is the instructor for the Dec. 5-6 training.

Marine biologist **Carrie Newell** will lead the Jan. 23-24 and Feb. 20-21 sessions. Park Ranger **Morris Grover** of the Oregon Parks and Recreation Department's Whale Watching Center in Depoe Bay will assist at all three events.

Whale Watching Spoken Here Watch Weeks

Winter Watch Week, Dec 26 - Jan 1

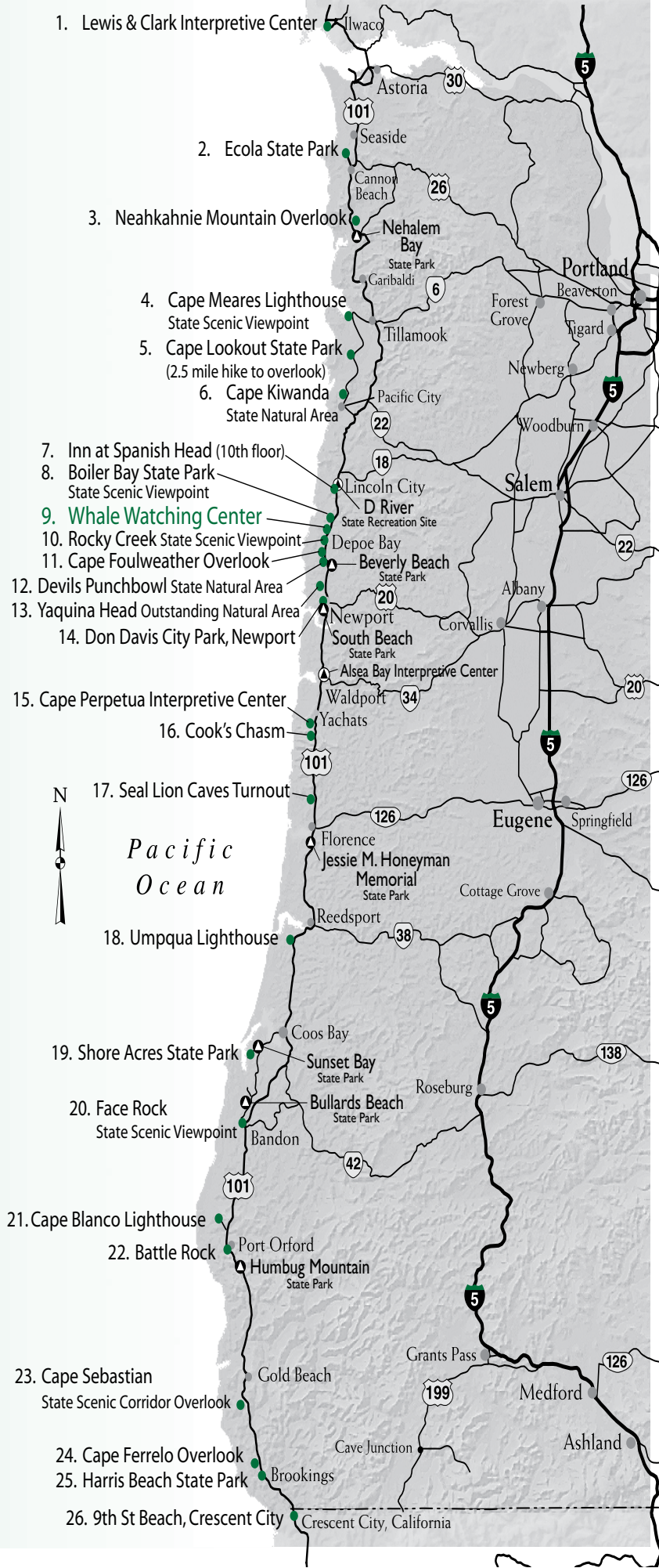
This week is the peak time for winter migration, but whales may be seen from mid-December to late January.

Spring Watch Week, March 20 - 27

This week is the peak time for the spring migration, but whales may be seen from mid-March to late May.

The 26 Whale Watching Spoken Here sites (shown at right) are staffed only during the watch weeks, but are excellent whale viewpoints at any time.

COME JOIN THE FUN!



Whale Watching and *Volunteering*

Benefits to volunteers: It's Fun! You have an exciting experience in a beautiful location while helping others find and understand these amazing giants. Serve a good cause and have fun at the same time.

During migration weeks volunteers help visitors scan the water, hoping to be the first ones to see the next whale and shout out "there she blows." All are thrilled and go away with a new found love for nature's oldest and greatest mammals.

Paid training registrants receive a free "Whale Watching T-Shirt (Please indicate your color and size choice when you register) and one copy each of Marine Mammals of the Eastern North Pacific, and Marine Mammals on the Beach guides.

Free camping! Oregon and Washington offer free campsites for volunteers. Free State Park reservations for training weekends and winter and spring watch weeks for pre-registered volunteers **MUST** be reserved directly through Oregon State Parks or Washington State Parks at the numbers listed below. Do not make your campsite reservations with Whale Watching Spoken Here. It **MUST** be called into the reservation numbers below. (The night before your volunteer day is also free. See map on front cover for sites and nearby campgrounds.

For FREE Oregon campsite reservations contact Gretchen Mills at 1-888-953-7677 (if not answered after two rings, please press "2"

and leave a message). YURTs and cabins are not included in the free reservations - if you prefer to pay for a YURT, or a cabin, or to make other Oregon reservations, phone 1-800-452-5687.

For FREE Fort Canby Washington campsite reservations (for training and volunteering at Lewis and Clark Interpretive Center) contact Tracy Zuern, Washington State Parks at 1-360-642-3078.

Cost for the training is \$20 if pre-registered, (\$25 at the door). Register early! Some programs sell out.

Checks and money orders accepted; make payable to Whale Watching Spoken Here. Credit cards are also accepted.

Registration and Donation Form plus more information is available at our web site. **whalespoken.org**

Registrations & Donations benefit educational and interpretive programs directly & may be tax-deductible.

MAKE A COPY AND SEND REGISTRATION FORM TO:

Whale Watching Spoken Here
 Beverly Beach State Park
 198 NE 123rd Street
 Newport, Oregon 97365
 or email to: morris.grover@state.or.us

WHALE WATCHING SPOKEN HERE SPONSORED BY:



ALSO SUPPORTED BY:



Whale Watching Spoken Here *Training Agenda*

December 5-6, 2009
OSU Hatfield Marine Science Center
Newport, OR

(Science Center Drive, Newport)

Instructor: Dr. Bruce Mate, Director, OSU Marine Mammal Institute and other Institute Staff

Saturday

- 8:00 a.m.** Check in.
- 9:00** Goals of workshop and whale watch program. – Morris Grover, OPRD Park Ranger
- 9:30** Introduction to gray whale biology and their natural history. – Dr. Bruce Mate
- 10:30** Break.
- 10:45** Gray whale biology and natural history, *continued*. – Dr. Bruce Mate
- 12:00 p.m.** Lunch on your own. (Meeting room available for those who wish to bring a lunch.)
- 1:00** Basics of other whales and pinnipeds. – Dr. Bruce Mate
- 2:30** Marine mammal resources and specialty topics tour and classes by various HMSC researchers.
- 4:30** Adjourn.

Sunday

- 8:00 a.m.** Whale watch schedules, sites, updates and Q&A.
 - 8:30** Challenges new and old to the gray whales and our oceans. Current information on whales in our area. – Morris Grover.
 - 10:15** Break.
 - 10:30** Finding and prepping your site. How to be a volunteer. Special techniques for finding and sharing whales. Q & As.
 - 12:00 p.m.** Adjourn.
- If you have time we recommend a visit to The Whale Watching Center in Depoe Bay (15 minutes north on 101).

January 23-24, 2010
Oregon Institute of Marine Biology
Charleston, OR

(The Boathouse, Charleston)

Instructor: Carrie Newell, Professor of Marine Biology; Morris Grover, OPRD Park Ranger

Saturday

- 8:00 a.m.** Check in.
- 9:00** Goals of workshop and whale watch program. – Morris Grover
- 9:30** Introduction to gray whale biology and their natural history. – Professor Carrie Newell
- 10:30** Break.
- 10:45** Gray whale biology and natural history, *continued*.
- 12:00 p.m.** Lunch on your own.
- 1:00** Basics of other whales and pinnipeds.
- 2:00** Break.
- 2:15** Carrie Newell: Gray whale habits and identification.
- 3:30** Field trip to Cape Arago Shell Island Overlook. (Warm/rainproof clothing and binoculars.)
- 4:30** Adjourn.

Sunday

- 8:00 a.m.** Whale watch schedules, sites, updates and Q&A.
- 8:30** Challenges new and old to the gray whales and our oceans. Current information on whales in our area. – Morris Grover.
- 10:15** Break.
- 10:30** Finding and prepping your site. How to be a volunteer. Special techniques for finding and sharing whales. Q & As.
- 12:00 p.m.** Adjourn.

February 20-21, 2010
Lewis and Clark Interpretive Center
Ilwaco, WA

(Cape Disappointment State Park)

Instructor: Carrie Newell, Professor of Marine Biology; Morris Grover, OPRD Park Ranger

Saturday

- 8:00 a.m.** Check in.
- 9:00** Goals of workshop and whale watch program. – Morris Grover
- 9:30** Introduction to gray whale biology and their natural history. – Professor Carrie Newell
- 10:30** Break.
- 10:45** Gray whale biology and natural history, *continued*.
- 12:00 p.m.** Lunch on your own.
- 1:00** Basics of other whales and pinnipeds.
- 2:00** Break.
- 2:15** Carrie Newell: Gray whale habits and identification.
- 3:30** Whale watching experience at the Lewis and Clark Interpretive Center. (Warm/rainproof clothing and binoculars for trip to the lighthouse.)
- 4:30** Adjourn.

Sunday

- 8:00 a.m.** Whale watch schedules, sites, updates and Q&A.
- 8:30** Challenges new and old to the gray whales and our oceans. Current information on whales in our area. – Morris Grover.
- 10:15** Break.
- 10:30** Finding and prepping your site. How to be a volunteer. Special techniques for finding and sharing whales. Q & As.
- 12:00 p.m.** Adjourn.

How's Your Whale Knowledge? *Fact or Fiction?*

1. Gray whales travel in pods.	<input type="checkbox"/> True	<input type="checkbox"/> False
2. Water sprays out of a whale's blow hole.....	<input type="checkbox"/> True	<input type="checkbox"/> False
3. We only see gray whales during Winter or Spring.....	<input type="checkbox"/> True	<input type="checkbox"/> False
4. We have resident gray whales in Oregon waters.	<input type="checkbox"/> True	<input type="checkbox"/> False
5. The whale's full name is "California Gray Whale".....	<input type="checkbox"/> True	<input type="checkbox"/> False
6. Gray whales eat fish.....	<input type="checkbox"/> True	<input type="checkbox"/> False
7. Orcas are whales.	<input type="checkbox"/> True	<input type="checkbox"/> False
8. Killer whales eat whales.....	<input type="checkbox"/> True	<input type="checkbox"/> False
9. We don't see Humpback whales along the Oregon coast.....	<input type="checkbox"/> True	<input type="checkbox"/> False

- 1. False.** Pod means family and gray whales are solitary animals. There are some times that you see them close together. During migration, 19,000 whales are passing by and sheer numbers will put them close together. During summer feeding, when the food is plentiful, they will feed in the same areas. And when feeling romantic, there may be multiple whales vying for a female's attention.
- 2. False.** Whales' lungs are connected to their nose (blowhole) but not their mouth. They cannot blow water out of their blow hole. Some whales start to exhale before they reach the surface, blowing through the water and causing a visible water spray. Gray whales' lungs are the size of two chest freezers, and they empty them in a fraction of a second, causing visible condensation (like our breath in the winter).
- 3. False.** We actually see whales every month of the year along the Oregon coast. We have 19,000 gray whales during winter and spring migrations, plus a group of 200-400 whales that feed along the Oregon and Washington coasts during the summer and fall.
- 4. False.** There is an urban legend of resident whales in Oregon waters, but all the whales along our coast migrate. The migration is to find warm calm waters for giving birth. Babies are born without the insulating blubber layer, and if born in our cold waters they will die from hypothermia.
- 5. False.** The gray whale's *real* name is "Eastern Pacific gray whale". We don't usually use the "Eastern", and refer to them as Pacific gray whales. There is one other small group (130 whales) along the Russian coast.
- 6. False, usually.** A gray whale's throat is only the size of a grapefruit, obviously limiting what it can swallow. Their usual food is amphipods and are found in the mud on the sea floor, or mysid shrimp that are found in the water column in rocky areas. Both are no bigger than mosquitoes and they eat a ton a day. But they are opportunistic feeders and have been known to eat crab larve and small fish.
- 7. False.** Orca's common name of "killer whale" is really "killer of whales". We got lazy and quit saying the "of" and turned them into whales. Orcas were given their name because they kill whales. Orcas are technically the largest dolphins.
- 8. True.** The transient orca's (killer whale's) favorite food is baby whales as the adults are too big for them. If they cannot get a baby whale, they will hunt sealions and seals. There is a different type of orca in the Puget Sound called residents and they are fish eaters.
- 9. False.** There are about 1,100 humpback whales that migrate past Oregon with the grays at about the same time. There are also humpbacks that feed along the coast but their food is found 8 miles or more off shore. Occasionally currents will push their food close to shore and we will get to see them feeding. They are often seen by fishing boats, but not usually from shore location.





Fluking

Fluking: tail flukes are often visible when whales deep dive.



Spyhops

Whales will raise their heads out of the water to get a better look at their surroundings



Blows

Blows up to 12 feet in the air expelling 400 liters of air.



Backs

Backs are often seen during a shallow dive.



Breaching

Not known for breaching, but Gray whales sometimes leap from the water, often upon arriving at feeding grounds.

Winter Migration
(mid-Dec thru Jan)
along Oregon coast
Southbound to breed
and give birth
3-5 miles off shore

Summer whales
(July thru mid-Nov)
about 200 feeding
along Oregon Coast
very close to shore

Spring Migration
(Mar. thru mid-June)
along Oregon coast
Northbound to
feeding grounds
1-3 miles off shore

About 45 seconds

About 45 seconds

3 to 5 minutes



Amphipods:
Food from
muddy sea floor
(actual size)

Breathing Pattern



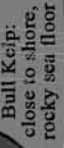
Diving/Swimming Pattern

300 to 400 yards



Mysids:
Food from
Bull Kelp beds
(actual size)

Pattern Repeats



Bull Kelp:
close to shore,
rocky sea floor

All images copyright: Ranger Morris W. Grover, The Whale Watching Center, Oregon State Parks

Whale Watching Volunteer *Accessories*

Screen Printed Clothing

"Whale Watching Spoken Here" custom designs silk screened on t-shirts and sweatshirts.

Adult T-shirts

(One t-shirt provided with paid volunteer training registration.) 100% cotton, 6 oz. Colors: Black, Navy, Red, Dark Green. Adult sizes S-3X **\$15**



Pullover Hooded Sweatshirts

9.3 oz., 50/50 poly/cotton blend. Colors: Black, Navy, Red, Dark Green. Adult sizes S-3X **\$30**



Crewneck Sweatshirts

9 oz., 50/50 poly/cotton blend. Colors: Black, Navy, Red, Dark Green. Adult sizes S-3X **\$25**



Ball Caps



Embroidered on brushed twill, 5 panel, low fitting, one size fits all. Colors: Black, White, Navy, Dark Green, Red and Khaki. **\$15**

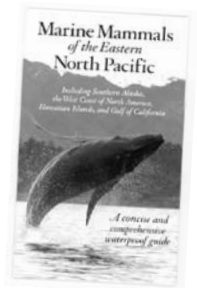
Sew-on Patches

Embroidered, heavy duty, 2" x 4" Whale Watching patch you can sew or glue on anything. **\$8**



"Marine Mammals of the North Pacific"

Waterproof field guide. Includes all species of cetaceans and pinnipeds found in Northern Pacific. (One included with registration.) **\$8**



"Marine Mammals on the Beach"

"When and How to Respond" Do's and Don'ts including emergency contacts. Color, waterproof. (One included with registration.) **\$4**



Boat and Air Charters

Although Whale Watching Spoken Here® is a shore based whale watching program, we are often asked about charter boat and air whale watching services. We attempt to provide basic information about all charter services in our geographic area. Many of the charter services listed below operate year round. Contact them directly for schedules and rates. They often have local information about whales in their area. They are sorted alphabetically by city. Good luck whale watching, by land, sea, or air!

Astoria Flight Service, <i>Astoria</i>	503-861-1222	Beacon Charters, <i>Ihwaco, WA</i>	360-642-2138
Tidewind Sportfishing, <i>Brookings</i>	800-799-0337	Marine Discovery Tours, <i>Newport</i>	800-903-2628
Betty Kay Charters, <i>Charleston</i>	800-752-6303	Newport Tradewinds, <i>Newport</i>	800-676-7819
Tally Ho Charter, <i>Crescent City, CA</i>	707-464-1236	Coos Aviation, <i>North Bend</i>	541-756-5181
Carrie Newell's Whale Research Zodiac Excursions, <i>Depoe Bay</i>	541-912-6734	Linda Sue III Charters, <i>Rockaway</i>	543-355-3419
Dockside Charters, <i>Depoe Bay</i>	800-733-8915	Newport Marina Store and Charters, <i>South Beach</i>	541-867-4470
Tradewinds Charters, <i>Depoe Bay</i>	800-445-8730	Tillamook Air Tours, <i>Tillamook</i>	503-842-1942
D & D Charters, <i>Garibaldi</i>	800-900-4665		

Whale Watching Spoken Here *Weekly Summary*

	Winter 05-06	Spring 2006	Winter 06-07	Spring 2007	Winter 07-08	Spring 2008	Winter 08-09	Spring 2009
26 Whale Count	378	2,459	455	2,755	618	2,202	584	2,130
26 Site Visitors	11,853	16,284	12,546	15,994	9,904	13,387	6,113	14,489
Center Whales	72	103	55	257	56	244	155	156
Center Visitors	4,190	5,155	3,889	5,239	2,897	4,848	2,031	5,455

20,000 whaes migrate past Oregon twice a year. Counting whales, as above, has much to do about weather and little to do about whales.

Winter 08/Spring 09 by State *Visitor Log Survey* Only visitors who filled out survey

	Winter	Spring		Winter	Spring		Winter	Spring
Alabama	5	12	Louisiana	8	3	Ohio	5	20
Alaska	14	14	Maine	14	5	Oklahoma	20	0
Arizona	57	22	Maryland	2	2	Oregon	1,839	4520
Arkansas	4	3	Massachusetts	10	6	Pennsylvania	7	12
California	358	218	Michigan	17	21	Rhode Island	2	0
Colorado	49	84	Minnesota	30	26	S. Carolina	13	1
Connecticut	0	0	Mississippi	0	0	S. Dakota	5	7
Delaware	0	0	Missouri	4	5	Tennessee	7	4
Florida	38	10	Montana	15	39	Texas	55	37
Georgia	17	5	Nebraska	14	13	Utah	35	29
Hawaii	8	34	Nevada	23	21	Vermont	3	1
Idaho	56	391	N. Hampshire	7	0	Virginia	3	15
Illinois	12	28	New Jersey	6	4	Washington	381	401
Indiana	2	10	New Mexico	4	7	Wash. D.C.	5	5
Iowa	7	21	New York	11	24	W. Virginia	0	1
Kansas	13	2	N. Carolina	5	14	Wisconsin	23	18
Kentucky	0	8	N. Dakota	12	3	Wyoming	11	3

USA Totals 3,236 6,129

32 Other Countries Represented From Throughout the World

	Winter	Spring		Winter	Spring		Winter	Spring
Australia		13	France	1	5	Russia	2	
Bangladesh	1		Germany	30	14	South Africa		1
Belgium	1		Holland	2	5	Spain	2	
Bolivia		5	Hong Kong		2	Sweden	2	1
Brazil		3	India	4		Switzerland	2	9
Canada	58	150	Israel	17		Taiwan		2
China	4	19	Italy		4	Thailand	2	
Columbia	7		Japan	2	4	Tonga		6
Costa Rica		1	Mexico		2	Turkey	4	1
England	11	8	Pakistan		1	Ukraine		4
Finland	3	2	Peru		8			

Country Totals 155 270
World Totals 3,391 6,399

More information available on our website: whalespoken.org



Morris Grover, Volunteer Coordinator
 Whale Watching Spoken Here
 Beverly Beach State Park
 198 NE 123rd Street
 Newport, OR 97365



Training Registration and Volunteering Form

Please use this form to register for trainings and winter and spring volunteer opportunities.
 Mail to address above, or return by e-mail to morris.grover@state.or.us, or by FAX to 541-765-3402.

Please make a copy for yourself before sending.

Sign Up for Training

Register early to secure a spot.

I am (we are) veteran rookie volunteer(s) and will be attending the whale watch volunteer training at:

Name _____
 Address _____
 City _____ State _____ Zip _____
 Daytime Phone _____
 Email Address _____

- Newport, Hatfield Marine Science Center, December 5-6, 2009
 Number of reservations _____
- Charleston, OR Institute of Marine Biology, January 23-24, 2010
 Number of reservations _____
- Lewis and Clark Interpretive Center, Illwaco, WA, Feb 20-21, 2010
 Number of reservations _____

Choose Site #s from Cover Map Sign Up Below for Watching Sites Must be Staffed 10 a.m. - 1 p.m.

Winter Watch 2009-2010

1st choice / 2nd choice

Sat 26 Dec _____ / _____
 Sun 27 Dec _____ / _____
 Mon 28 Dec _____ / _____
 Tue 29 Dec _____ / _____
 Wed 30 Dec _____ / _____
 Thu 31 Dec _____ / _____
 Fri 1 Jan _____ / _____

Spring Watch 2010

1st choice / 2nd choice

Sat 20 Mar _____ / _____
 Sun 21 Mar _____ / _____
 Mon 22 Mar _____ / _____
 Tue 23 Mar _____ / _____
 Wed 24 Mar _____ / _____
 Thu 25 Mar _____ / _____
 Fri 26 Mar _____ / _____
 Sat 27 Mar _____ / _____

Choose Site #s from Cover Map

Pre Pay: Whale Watch Training

Previous attendants may audit class free: Check here

Total attending training _____ @\$20 = \$ _____
 Pay at the door amount _____ @\$25 = \$ _____

Print Attendee Name(s) below as you'd like it to appear on name badge

1 Free T-shirt with each paid registration. Please indicate color and size.

Color (navy, red, black, green)	Size (s-xxx)	Quantity	Price
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Other Items _____	_____	_____	\$ _____

Shipping flat rate \$5.00 for any mailed items. Do not add postage if picking up at training: \$ _____

Credit Card (Visa, MC only) # _____
 Exp _____ / _____
 Signature _____ Date _____

Optional Donation to the Program: \$ _____
 Grand Total: \$ _____