

Date:	Time:	Site:	Counter:
7-10-13	15:54	North Site / Abt. Bridge	KEC
Conditions	Overcast ~ 50°F, misty wind ~ 10 mph		
Patch (Length/Width):			
Quad:	A1		
Location -#length:			
-%width:			
Dist. center to edge:	A1 A2 A3 A4 A5	A6 A7 A8 A9	
N. ostrina	○ ○ ○ ○ ○	○ ○ ○ ○	
N. ostrina eggs	○ ○ ○ ○ ○	○ ○ ○ ○	
N. canaliculata	○ ○ ○ ○ ○	○ ○ ○ ○	
N. canaliculata eggs	○ ○ ○ ○ ○	○ ○ ○ ○	
Cthamalus dalli			
Cthamalus d. (dead)			
Balanus glandula			
Balanus g. (dead)			
Semibal. c. (<1cm)			
Semibal. c. (<1cm dead)			
Semibal. c. (>1cm)			
Semibal. c. (>1cm dead)			
Pollicipes p. (<1cm)			
Pollicipes p. (<1cm dead)			
Pollicipes p. (>1cm)			
Pollicipes p. (>1cm dead)			
Mytilus tross. (<2cm width)			
Mytilus tross. (<2cm dead)			
Mytilus tross. (>2cm width)			
Mytilus tross. (>2cm dead)			
Mytilus calif. (<2cm width)			
Mytilus calif. (<2cm dead)			
Mytilus calif. (>2cm width)			
Mytilus calif. (>2cm dead)			
Lot. digitais	12-13	1 3	3
Lot. pelta	12-13?	1? 3?	3?
Tectura persona			
Lot. asmi			
Lot. gigantea			
Littorine spp. (black)			
Leptasterias hex. (6)			
Pisaster ochrac. (5)			
Antho. elegantissima			
Antho. xanthogram.			
Amphipod spp.			
Isopod spp.			
Onchidella borealis			
Flatworm			
Chironomids			
Nereis vexillosa			
Emplectonema (green)			
Tubulanus p. (orange-red)			
Thelepus crisp (sandy)			
Pista elongata (spaghetti)			
Serpula columb.			
Dodecaceria few.			
Bare rock			
Mussels			
Barnacles			
Pollicipes			
Anemones			
Byssus threads			
Green algae			
Red algae			
Brown algae			

Date: 7/20/13	Time: 5:15 - 5:40	Site: Yachats Natural Bridge	Counter: 1599C
Conditions Windy, slightly overcast			
Patch (Length/Width):			
Quad: B1 B2 B3 B4 B5 B6 B7 B8 B9			
Location -#length:			
-%width:			
Dist. center to edge:			
N. ostrina	0	0	0
N. ostrina eggs	0	0	0
N. canaliculata	0	2	0
N. canaliculata eggs	0	2	1
Cthamalus dalli			
Cthamalus d. (dead)			
Balanus glandula			
Balanus g. (dead)			
Semibal. c. (<1cm)			
Semibal. c. (<1cm dead)			
Semibal. c. (>1cm)			
Semibal. c. (>1cm dead)			
Pollicipes p. (<1cm)			
Pollicipes p. (<1cm dead)			
Pollicipes p. (>1cm)			
Pollicipes p. (>1cm dead)			
Mytilus tross. (<2cm width)			
Mytilus tross. (<2cm dead)			
Mytilus tross. (>2cm width)			
Mytilus tross. (>2cm dead)			
Mytilus calif. (<2cm width)			
Mytilus calif. (<2cm dead)			
Mytilus calif. (>2cm width)			
Mytilus calif. (>2cm dead)			
Lot. digitalis	1	13	109
Lot. pelta			
Tectura persona			
Lot. asmi			
Lot. gigantea			
Littorine spp. (black)			
Leptasterias hex. (6)			
Pisaster ochrac. (5)			
Antho. elegantissima			
Antho. xanthogram.			
Amphipod spp.			
Isopod spp.			
Onchidella borealis			
Fiatworm			
Chironomids			
Nereis vexillosa			
Emplectonema (green)			
Tubulanus p. (orange-red)			
Thelepus crisp (sandy)			
Pista elongata (spaghetti)			
Serpula columb.			
Dodecaceria few.			
Bare rock			
Mussels			
Barnacles			
Pollicipes			
Anemones			
Byssus threads			
Green algae			
Red algae			
Brown algae			

1

Date:	7/30/63	Time:	5:40-6:00	Site:	Yachats Natural Bridge	Counter:	Isaac
Conditions	Windy, cold, overcast						
Patch (Length/Width):							
Quad:	01	02	03	04	05	06	07 08 09
Location #length:							
%width:							
Dist. center to edge:	01	02	03	04	05	06	07 08 09
N. ostrina	0	0	0	0	0	2	0 0 0
N. ostrina eggs							
N. canaliculata	0	0	0	0	0	0	0 0 0
N. canaliculata eggs							
Cthamalus dalli	+	+		+			
Cthamalus d. (dead)							
Balanus glandula							
Balanus g. (dead)							
Semibal. c. (<1cm)							
Semibal. c. (<1cm dead)							
Semibal. c. (>1cm)							
Semibal. c. (>1cm dead)							
Pollicipes p. (<1cm)							
Pollicipes p. (<1cm dead)							
Pollicipes p. (>1cm)							
Pollicipes p. (>1cm dead)							
Mytilus tross. (<2cm width)							
Mytilus tross. (<2cm dead)							
Mytilus tross. (>2cm width)							
Mytilus tross. (>2cm dead)							
Mytilus calif. (<2cm width)							
Mytilus calif. (<2cm dead)							
Mytilus calif. (>2cm width)							
Mytilus calif. (>2cm dead)							
Lot. digitalis	38	11					
Lot. pelta							
Tectura personata							
Lot. asmi							
Lot. gigantea							
Littorine spp. (black)							
Leptasterias hex. (6)							
Pisaster ochrac. (5)							
Antho. elegantissima							
Antho. xanthogram.							
Amphipod spp.							
Isopod spp.							
Onchidella borealis							
Flatworm							
Chironomids							
Nereis vexillosa							
Emplectonema (green)							
Tubulanus p. (orange-red)							
Thelepus crisp (sandy)							
Pista elongata (spaghetti)							
Serpula columb.							
Dodecaceria few.							
Bare rock							
Mussels							
Barnacles							
Pollicipes							
Anemones							
Byssus threads							
Green algae							
Red algae							
Brown algae							

[illegible]

Date: 7/20/13	Time: 6:16 - 6:27	Site: Vachats Natural Overlook	Counter: C99C
Conditions: Wind: cool, overcast			
Patch (Length/Width): F1			
Quad: F1 F2 F3 F4 F5 F6 F7 F8 F9			
Location -#length:			
-%width:			
Dist. center to edge:			
N. ostrina	0	0	0
N. ostrina eggs	0	0	2
N. canaliculata	0	0	0
N. canaliculata eggs	0	0	0
Cthamalus dalli			
Cthamalus d. (dead)			
Balanus glandula			
Balanus g. (dead)			
Semibal. c. (<1cm)			
Semibal. c. (<1cm dead)			
Semibal. c. (>1cm)			
Semibal. c. (>1cm dead)			
Pollicipes p. (<1cm)			
Pollicipes p. (<1cm dead)			
Pollicipes p. (>1cm)			
Pollicipes p. (>1cm dead)			
Mytilus tross. (<2cm width)			
Mytilus tross. (<2cm dead)			
Mytilus tross. (>2cm width)			
Mytilus tross. (>2cm dead)			
Mytilus calif. (<2cm width)			
Mytilus calif. (<2cm dead)			
Mytilus calif. (>2cm width)			
Mytilus calif. (>2cm dead)			
Lot. digitalis			
Lot. pelta			
Tectura persona			
Lot. asmi			
Lot. gigantea			
Littorine spp. (black)			
Leptasterias hex. (6)			
Pisaster ochrac. (5)			
Antho. elegantissima			
Antho. xanthogram.			
Amphipod spp.			
Isopod spp.			
Onchidella borealis			
Flatworm			
Chironomids			
Nereis vexillosa			
Emplectonema (green)			
Tubulanus p. (orange-red)			
Thelepus crisp (sandy)			
Pista elongata (spaghetti)			
Serpula columb.			
Dodecaceria few.			
Bare rock			
Mussels			
Barnacles			
Pollicipes			
Anemones			
Byssus threads			
Green algae			
Red algae			
Brown algae			

Date:	Time: 6:33-6:41	Site:	Counter:
Conditions			
Patch (Length/Width):			
Quad:	G1	G2	G3 G4 G5 G6 G7 G8 G9
Location #length:			
%width:			
Dist. center to edge:	G1	G2	G3 G4 G5 G6 G7 G8 G9
N. ostrina	0	0	0 0 0 0 0 0 0 0
N. ostrina eggs	0	0	0 0 0 0 0 0 0 0
N. canaliculata	0	0	0 0 0 0 0 0 0 0
N. canaliculata eggs	0	0	0 0 0 0 0 0 0 0
Cthamalus dalli			
Cthamalus d. (dead)			
Balanus glandula			
Balanus g. (dead)			
Semibal. c. (<1cm)			
Semibal. c. (<1cm dead)			
Semibal. c. (>1cm)			
Semibal. c. (>1cm dead)			
Pollicipes p. (<1cm)			
Pollicipes p. (<1cm dead)			
Pollicipes p. (>1cm)			
Pollicipes p. (>1cm dead)			
Mytilus tross. (<2cm width)			
Mytilus tross. (<2cm dead)			
Mytilus tross. (>2cm width)			
Mytilus tross. (>2cm dead)			
Mytilus calif. (<2cm width)			
Mytilus calif. (<2cm dead)			
Mytilus calif. (>2cm width)			
Mytilus calif. (>2cm dead)			
Lot. digitalis			
Lot. pelta	12	42	12
Tectura persona			
Lot. asmi			
Lot. gigantea			
Littorine spp. (black)		2	
Leptasterias hex. (6)			
Pisaster ochrac. (5)			
Antho. elegantissima			
Antho. xanthogram.			
Amphipod spp.			
Isopod spp.			
Onchidella borealis			
Flatworm			
Chironomids			
Nereis vexillosa			
Emplectonema (green)			
Tubulanus p. (orange-red)			
Thelepus crisp (sandy)			
Pista elongata (spaghetti)			
Serpula columb.			
Dodecaceria few.			
Bare rock			
Mussels			
Barnacles			
Pollicipes			
Anemones			
Byssus threads			
Green algae			
Red algae			
Brown algae			

Counter: 7 5 2 1

Brown algae

Date:	Time:	Site:	Counter:
7-20-13	641-703	NORTH SITE / Nat. Bridge	KFC
Conditions see other sheet			
Patch (Length/Width):			
Quad:	AC1 AC2 AC3 AC4 AC5	AC6 AC7 AC8 AC9	
Location -#length:			
-%width:			
Dist. center to edge:	AC1 AC2 AC3 AC4 AC5	AC6 AC7 AC8 AC9	
N. ostrina	0	0	0
N. ostrina eggs	0	0	0
N. canaliculata	0	0	0
N. canaliculata eggs	0	0	0
Cthamalus dalli			
Cthamalus d. (dead)			
Balanus glandula			
Balanus g. (dead)			
Semibal. c. (<1cm)			
Semibal. c. (<1cm dead)			
Semibal. c. (>1cm)			
Semibal. c. (>1cm dead)			
Pollicipes p. (<1cm)			
Pollicipes p. (<1cm dead)			
Pollicipes p. (>1cm)			
Pollicipes p. (>1cm dead)			
Mytilus tross. (<2cm width)			
Mytilus tross. (<2cm dead)			
Mytilus tross. (>2cm width)			
Mytilus tross. (>2cm dead)			
Mytilus calif. (<2cm width)			
Mytilus calif. (<2cm dead)			
Mytilus calif. (>2cm width)			
Mytilus calif. (>2cm dead)			
Lot. digitalis	5	2	
Lot. pelta	52	22	
Tectura persona			
Lot. asmi	1	1	
Lot. gigantea			
Littorine spp. (black)	49	14	6
Leptasterias hex. (6)			
Pisaster ochrac. (5)			
Antho. elegantissima			
Antho. xanthogram.			
Amphipod spp.			
Isopod spp.			
Onchidella borealis			
Flatworm			
Chironomids			
Nereis vexillosa			
Emplectonema (green)			
Tubulanus p. (orange-red)			
Thelepus crisp (sandy)			
Pista elongata (spaghetti)			
Serpula columb.			
Dodecaceria few.			
Bare rock			
Mussels			
Barnacles			
Pollicipes			
Anemones			
Byssus threads			
Green algae			
Red algae			
Brown algae			

Date: 7/20/13	Time: 6:51-700	Site: Yachats Natural Bridge	Counter: J. Cord
Conditions Windy, Cool, Overcast			
Patch (Length/Width):			
Quad:	AD1	AD2	AD3 AD4 AD5 AD6 AD7 AD8 AD9
Location -#length:			
-%width:			
Dist. center to edge:	AD1	AD2	AD3 AD4 AD5 AD6 AD7 AD8 AD9
N. ostrina	1	0	0 0 0 0 0 0 0 0
N. ostrina eggs			
N. canaliculata	0	0	0 0 0 0 0 0 0 0
N. canaliculata eggs			
Cthamalus dalli			
Cthamalus d. (dead)			
Balanus glandula			
Balanus g. (dead)			
Semibal. c. (<1cm)			
Semibal. c. (<1cm dead)			
Semibal. c. (>1cm)			
Semibal. c. (>1cm dead)			
Pollicipes p. (<1cm)			
Pollicipes p. (<1cm dead)			
Pollicipes p. (>1cm)			
Pollicipes p. (>1cm dead)			
Mytilus tross. (<2cm width)			
Mytilus tross. (<2cm dead)			
Mytilus tross. (>2cm width)			
Mytilus tross. (>2cm dead)			
Mytilus calif. (<2cm width)			
Mytilus calif. (<2cm dead)			
Mytilus calif. (>2cm width)			
Mytilus calif. (>2cm dead)			
Lot. digitalis			
Lot. pelta			
Tectura persona			
Lot. asmi			
Lot. gigantea			
Littorine spp. (black)			
Leptasterias hex. (6)			
Pisaster ochrac. (5)			
Antho. elegantissima			
Antho. xanthogram.			
Amphipod spp.			
Isopod spp.			
Onchidella borealis			
Flatworm			
Chironomids			
Nereis vexillosa			
Emplectonema (green)			
Tubulanus p. (orange-red)			
Thelepus crisp (sandy)			
Pista elongata (spaghetti)			
Serpula columb.			
Dodecaceria few.			
Bare rock			
Mussels			
Barnacles			
Pollicipes			
Anemones			
Byssus threads			
Green algae			
Red algae			
Brown algae			

100

Date: 7/20/13	Time: 7:10-7:28	Site: Yaquina Natl Brdg	Counter: Isaac
Conditions Windy, cool, overcast			
Patch (Length/Width):			
Quad:	AF1	AF2	AF3 AF4 AF5 AF6 AF7 AF8 AF9
Location #length:			
-%width:			
Dist. center to edge:	AF1	AF2	AF3 AF4 AF5 AF6 AF7 AF8 AF9
N. ostrina	2	1	0 0 0 0 0 0 0 0
N. ostrina eggs			
N. canaliculata	0	0	0 0 0 0 0 0 0 0
N. canaliculata eggs			
Cthamalus dalli			
Cthamalus d. (dead)			
Balanus glandula			
Balanus g. (dead)			
Semibal. c. (<1cm)			
Semibal. c. (<1cm dead)			
Semibal. c. (>1cm)			
Semibal. c. (>1cm dead)			
Pollicipes p. (<1cm)			
Pollicipes p. (<1cm dead)			
Pollicipes p. (>1cm)			
Pollicipes p. (>1cm dead)			
Mytilus tross. (<2cm width)			
Mytilus tross. (<2cm dead)			
Mytilus tross. (>2cm width)			
Mytilus tross. (>2cm dead)			
Mytilus calif. (<2cm width)			
Mytilus calif. (<2cm dead)			
Mytilus calif. (>2cm width)			
Mytilus calif. (>2cm dead)			
Lot. digitalis		62	3 6
Lot. pelta			
Tectura persona			
Lot. asmi			
Lot. gigantea			
Littorine spp. (black)			
Leptasterias hex. (6)			
Pisaster ochrac. (5)			
Antho. elegantissima			
Antho. xanthogram.			
Amphipod spp.			
Isopod spp.			
Onchidella borealis			
Fiatworm			
Chironomids			
Nereis vexillosa			
Emplectonema (green)			
Tubulanus p. (orange-red)			
Thelepus crisp (sandy)			
Pista elongata (spaghetti)			
Serpula columb.			
Dodecaceria few.			
Bare rock			
Mussels			
Barnacles			
Pollicipes			
Anemones			
Byssus threads			
Green algae			
Red algae			
Brown algae			

Date: 7/5/13	Time: 7:34	Site: North Site / Nat. Bridge	Counter: KEC						
Conditions came as other sheet									
Patch (Length/Width):									
Quad:	AG1	AG2	AG3	AG4	AG5	AG6	AG7	AG8	AG9
Location -#length:									
-%width:									
Dist. center to edge:	AG1	AG2	AG3	AG4	AG5	AG6	AG7	AG8	AG9
N. ostrina	0	0	1	1	2	0	0	1	1
N. ostrina eggs	0	0	0	1	0	0	0	0	0
N. canaliculata	0	0	0	1	0	0	0	0	0
N. canaliculata eggs		2 eggs							
Cthamalus dalli									
Cthamalus d. (dead)									
Balanus glandula									
Balanus g. (dead)									
Semibal. c. (<1cm)									
Semibal. c. (<1cm dead)									
Semibal. c. (>1cm)									
Semibal. c. (>1cm dead)									
Pollicipes p. (<1cm)									
Pollicipes p. (<1cm dead)									
Pollicipes p. (>1cm)									
Pollicipes p. (>1cm dead)									
Mytilus tross. (<2cm width)									
Mytilus tross. (<2cm dead)									
Mytilus tross. (>2cm width)									
Mytilus tross. (>2cm dead)									
Mytilus calif. (<2cm width)									
Mytilus calif. (<2cm dead)									
Mytilus calif. (>2cm width)									
Mytilus calif. (>2cm dead)									
Lot. digitalis		12							
Lot. pelta		1							
Tectura persona									
Lot. asmi									
Lot. gigantea									
Littorine spp. (black)		12							
Leptasterias hex. (6)									
Pisaster ochrac. (5)									
Antho. elegantissima									
Antho. xanthogram.									
Amphipod spp.									
Isopod spp.									
Onchidella borealis									
Flatworm									
Chironomids									
Nereis vexillosa									
Emplectonema (green)									
Tubulanus p. (orange-red)									
Thelepus crisp (sandy)									
Pista elongata (spaghetti)									
Serpula columb.									
Dodecaceria few.									
Bare rock									
Mussels									
Barnacles									
Pollicipes									
Anemones									
Byssus threads									
Green algae									
Red algae									
Brown algae									

Date: 7/20/13	Time: 7:36 - 7:51	Site: Yachats Natural Buidy P.	Counter: Isaac
Conditions Windy, cool, Overcast			
Patch (Length/Width):			
Quad:	BB1	BB2	BB3 BB4 BB5 BB6 BB7 BB8 BB9
Location -#length:			
-%width:			
Dist. center to edge:	BB1	BB2	BB3 BB4 BB5 BB6 BB7 BB8 BB9
N. ostrina	1	1	0 1 0 0 0 0 1 1
N. ostrina eggs			
N. canaliculata	0	0	0 0 0 0 0 0 0 0
N. canaliculata eggs			
Cthamalus dalli			
Cthamalus d. (dead)			
Balanus glandula			
Balanus g. (dead)			
Semibal. c. (<1cm)			
Semibal. c. (<1cm dead)			
Semibal. c. (>1cm)			
Semibal. c. (>1cm dead)			
Pollicipes p. (<1cm)			
Pollicipes p. (<1cm dead)			
Pollicipes p. (>1cm)			
Pollicipes p. (>1cm dead)			
Mytilus tross. (<2cm width)			
Mytilus tross. (<2cm dead)			
Mytilus tross. (>2cm width)			
Mytilus tross. (>2cm dead)			
Mytilus calif. (<2cm width)			
Mytilus calif. (<2cm dead)			
Mytilus calif. (>2cm width)			
Mytilus calif. (>2cm dead)			
Lot. digitalis	33	6	4
Lot. pelta			
Tectura persona			
Lot. asmi			
Lot. gigantea			
Littorine spp. (black)			
Leptasterias hex. (6)			
Pisaster ochrac. (5)			
Antho. elegantissima			
Antho. xanthogram.			
Amphipod spp.			
Isopod spp.			
Onchidella borealis			
Flatworm			
Chironomids			
Nereis vexillosa			
Emplectonema (green)			
Tubulanus p. (orange-red)			
Thelepus crisp (sandy)			
Pista elongata (spaghetti)			
Serpula columb.			
Dodecaceria few.			
Bare rock			
Mussels			
Barnacles			
Pollicipes			
Anemones			
Byssus threads			
Green algae			
Red algae			
Brown algae			

Date:	Time:	Site:	Counter:
7/21/13	6:24-5:50	North site / Nat Bridge	ZEC
Conditions	Sunny as yesterday		
Patch (Length/Width):			
Quad:	BC1	BC2	BC3 BC4 BC5 BC6 BC7 BC8 BC9
Location -#length:			
-%width:			
Dist. center to edge:	BC1	BC2	BC3 BC4 BC5 BC6 BC7 BC8 BC9
N. ostrina	0	0	0 0 0 0 0 0 0 0
N. ostrina eggs	0	0	0 0 0 0 0 0 0 0
N. canaliculata	0	0	0 0 0 0 0 0 0 0
N. canaliculata eggs	0	0	0 0 0 0 0 0 0 0
Cthamalus dalli	4 eggs		5 eggs
Cthamalus d. (dead)			
Balanus glandula			
Balanus g. (dead)			
Semibal. c. (<1cm)			
Semibal. c. (<1cm dead)			
Semibal. c. (>1cm)			
Semibal. c. (>1cm dead)			
Pollicipes p. (<1cm)			
Pollicipes p. (<1cm dead)			
Pollicipes p. (>1cm)			
Pollicipes p. (>1cm dead)			
Mytilus tross. (<2cm width)			
Mytilus tross. (<2cm dead)			
Mytilus tross. (>2cm width)			
Mytilus tross. (>2cm dead)			
Mytilus calif. (<2cm width)			
Mytilus calif. (<2cm dead)			
Mytilus calif. (>2cm width)			
Mytilus calif. (>2cm dead)			
Lot. digitalis	7	3	7
Lot. pelta	?	?	17
Tectura persona			
Lot. asmi			
Lot. gigantea			
Littorine spp. (black)			
Leptasterias hex. (6)			
Pisaster ochrac. (5)			
Antho. elegantissima			
Antho. xanthogram.			
Amphipod spp.			
Isopod spp.			
Onchidella borealis			
Flatworm			
Chironomids			
Nereis vexillosa			
Emplectonema (green)			
Tubulanus p. (orange-red)			
Thelepus crisp (sandy)			
Pista elongata (spaghetti)			
Serpula columb.			
Dodecaceria few.			
Bare rock			
Mussels			
Barnacles			
Pollicipes			
Anemones			
Byssus threads			
Green algae			
Red algae			
Brown algae			

Date: 7.21.13	Time: 5:50	Site: North / Boat Bridge	Counter: REC
Conditions: same			
Patch (Length/Width):			
Quad:	BE1	BE2	BE3 BE4 BE5 BE6 BE7 BE8 BE9
Location -#length:			
-%width:			
Dist. center to edge:	BE1	BE2	BE3 BE4 BE5 BE6 BE7 BE8 BE9
N. ostrina			
N. ostrina eggs	0	0	0 0 1 0 0
N. canaliculata	0	0	0 0 0 0 0 0 0
N. canaliculata eggs			
Cthamalus dalli		6 eggs	1 egg
Cthamalus d. (dead)			
Balanus glandula			
Balanus g. (dead)			
Semibal. c. (<1cm)			
Semibal. c. (<1cm dead)			
Semibal. c. (>1cm)			
Semibal. c. (>1cm dead)			
Pollicipes p. (<1cm)			
Pollicipes p. (<1cm dead)			
Pollicipes p. (>1cm)			
Pollicipes p. (>1cm dead)			
Mytilus tross. (<2cm width)			
Mytilus tross. (<2cm dead)			
Mytilus tross. (>2cm width)			
Mytilus tross. (>2cm dead)			
Mytilus calif. (<2cm width)			
Mytilus calif. (<2cm dead)			
Mytilus calif. (>2cm width)			
Mytilus calif. (>2cm dead)			
Lot. digitalis		20	12
Lot. pelta		2	
Tectura persona			
Lot. asmi			
Lot. gigantea			
Littorine spp. (black)			11
Leptasterias hex. (6)			
Pisaster ochrac. (5)			
Antho. elegantissima			
Antho. xanthogram.			
Amphipod spp.			
Isopod spp.			
Onchidella borealis			
Flatworm			
Chironomids			
Nereis vexillosa			
Emplectonema (green)			
Tubulanus p. (orange-red)			
Thelepus crisp (sandy)			
Pista elongata (spaghetti)			
Serpula columb.			
Dodecaceria few.			
Bare rock			
Mussels			
Barnacles			
Pollicipes			
Anemones			
Byssus threads			
Green algae			
Red algae			
Brown algae			

Date:	Time:	Site:	Counter:
7/21/13	6:00-6:15	Yachats Natural Bridge	2599
Conditions	Cool, Windy, Overcast		
Patch (Length/Width):	1.5x1.5		
Quad:	BF1	BF2	BF3
Location	BF4	BF5	BF6
Dist. center to edge:	BF7	BF8	BF9
N. ostrina	1	0	0
N. ostrina eggs	0	0	0
N. canaliculata	0	0	0
N. canaliculata eggs	0	0	0
Cthamalus dalli			
Cthamalus d. (dead)			
Balanus glandula			
Balanus g. (dead)			
Semibal. c. (<1cm)			
Semibal. c. (<1cm dead)			
Semibal. c. (>1cm)			
Semibal. c. (>1cm dead)			
Pollicipes p. (<1cm)			
Pollicipes p. (<1cm dead)			
Pollicipes p. (>1cm)			
Pollicipes p. (>1cm dead)			
Mytilus tross. (<2cm width)			
Mytilus tross. (<2cm dead)			
Mytilus tross. (>2cm width)			
Mytilus tross. (>2cm dead)			
Mytilus calif. (<2cm width)			
Mytilus calif. (<2cm dead)			
Mytilus calif. (>2cm width)			
Mytilus calif. (>2cm dead)			
Lot. digitalis			
Lot. pelta			
Tectura persona			
Lot. asmi			
Lot. gigantea			
Littorine spp. (black)			
Leptasterias hex. (6)			
Pisaster ochrac. (5)			
Antho. elegantissima			
Antho. xanthogram.			
Amphipod spp.			
Isopod spp.			
Onchidella borealis			
Flatworm			
Chironomids			
Nereis vexillosa			
Emplectonema (green)			
Tubulanus p. (orange-red)			
Thelepus crisp (sandy)			
Pista elongata (spaghetti)			
Serpula columb.			
Dodecaceria few.			
Bare rock			
Mussels			
Barnacles			
Pollicipes			
Anemones			
Byssus threads			
Green algae			
Red algae			
Brown algae			