



2021 & 2022

The Oregon Commercial Nearshore Fishery Data Update



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Table of Contents

Introduction.....	5
Fishery Management and Harvest Specification Updates	5
China, Copper, and Quillback Rockfish Biological Samples	8
Acknowledgements	8
References	9
Tables	10
Figures.....	22
Appendices	39

Tables

Table 1. Oregon nearshore species and management groups.....	10
Table 2. 2021 and 2022 commercial Harvest Guidelines.....	11
Table 3. Bimonthly period durations.....	11
Table 4. 2021 bimonthly trip limits.....	11
Table 5. 2022 bimonthly trip limits.....	12
Table 6. 2021 commercial length samples by species.....	12
Table 7. 2021 commercial weight samples by species.....	13
Table 8. 2022 commercial length samples by species.....	13
Table 9. 2022 commercial weight samples by species.....	14
Table 10. 2021 logbook compliance by port group.....	14
Table 11. 2022 logbook compliance by port group.....	14
Table 12. 2021 logbook catch by species and period.....	15
Table 13. 2022 logbook catch by species and period.....	17
Table 14. 2021 pounds landed by species with total ex-vessel value and average price.....	19
Table 15. 2022 pounds landed by species with total value and average price.....	20
Table 16. 2021 effort, pounds landed, and attainment by period and management group.....	21
Table 17. 2022 effort, pounds landed, and attainment by period and management group.....	21

Figures

Figure 1. Black Rockfish Management Areas.....	22
Figure 2. Black Rockfish bimonthly trip limit history.	23
Figure 3. Blue and Deacon Rockfish bimonthly trip limit history.....	23
Figure 4. Other Nearshore Rockfish bimonthly trip limit history.....	23
Figure 5. Greenling bimonthly trip limit history.	23
Figure 6. Cabezon bimonthly trip limit history.	24
Figure 7. 2021 Black and Blue Rockfish permits by port group.	24
Figure 8. 2022 Black and Blue Rockfish permits by port group.	24
Figure 9. Black and Blue Rockfish permits by year.....	24
Figure 10. Commercial nearshore fishery effort by year and gear type.....	25
Figure 11. Commercial nearshore pounds landed by year and species management group.	25
Figure 12. Commercial nearshore ex-vessel value by year and species management group.	25
Figure 13. Commercial nearshore pounds landed by year and gear type.....	25
Figure 14. Commercial nearshore pounds landed by year and bimonthly period.	26
Figure 15. Commercial nearshore pounds landed by year and condition.....	26
Figure 16. Commercial nearshore pounds landed by year and port group.....	26
Figure 17. Commercial nearshore species average pounds landed per trip.....	26
Figure 18. Black Rockfish pounds landed by year and gear type.....	27
Figure 19. Black Rockfish pounds landed by year and port group.....	27
Figure 20. Black Rockfish pounds landed by year and bimonthly period.....	27
Figure 21. Black Rockfish pounds landed by year and condition.....	27
Figure 22. Black Rockfish ex-vessel value by year.	28
Figure 23. Black Rockfish average pounds landed per trip.....	28
Figure 24. Black Rockfish average ex-vessel price per pound by year and condition.....	28
Figure 25. Blue and Deacon Rockfish pounds landed by year and gear type.....	28
Figure 26. Blue and Deacon Rockfish pounds landed by year and port group.....	29
Figure 27. Blue and Deacon Rockfish pounds landed by year and bimonthly period.....	29
Figure 28. Blue and Deacon Rockfish pounds landed by year and condition.....	29

Figure 29. Blue and Deacon Rockfish by ex-vessel value by year. 29

Figure 30. Blue and Deacon Rockfish average pounds landed per trip. 30

Figure 31. Blue and Deacon Rockfish average ex-vessel price per pound by year and condition 30

Figure 32. Other Nearshore Rockfish pounds landed by year and species group..... 30

Figure 33. Other Nearshore Rockfish pounds landed by year and gear type..... 30

Figure 34. Other Nearshore Rockfish pounds landed by year and port group..... 31

Figure 35. Other Nearshore Rockfish pounds landed by year and bimonthly period..... 31

Figure 36. Other Nearshore Rockfish pounds landed by year and condition..... 31

Figure 37. Other Nearshore Rockfish ex-vessel value by year and species group..... 31

Figure 38. Other Nearshore Rockfish average pounds landed per trip..... 32

Figure 39. Other Nearshore Rockfish average ex-vessel price per pound by year and condition.32

Figure 40. Greenling pounds landed by year and gear type..... 32

Figure 41. Greenling pounds landed by year and port group. 32

Figure 42. Greenling pounds landed by year and bimonthly period. 33

Figure 43. Greenling pounds landed by year and condition. 33

Figure 44. Greenling ex-vessel value by year. 33

Figure 45. Greenling average pounds landed per trip..... 33

Figure 46. Greenling ex-vessel price per pound by year and condition. 34

Figure 47. Cabezon pounds landed by year and gear type..... 34

Figure 48. Cabezon pounds landed by year and port group..... 34

Figure 49. Cabezon pounds landed by year and bimonthly period. 34

Figure 50. Cabezon pounds landed by year and condition. 35

Figure 51. Cabezon ex-vessel value by year. 35

Figure 52. Cabezon average pounds landed per trip..... 35

Figure 53. Cabezon average ex-vessel price per pound by year and condition. 35

Figure 54. Other Nearshore Species pounds landed by year and species group..... 36

Figure 55. Other Nearshore Species pounds landed by year and gear type. 36

Figure 56. Other Nearshore Species pounds landed by port group. 36

Figure 57. Other Nearshore Species pounds landed by year and bimonthly period..... 36

Figure 58. Other Nearshore Species pounds landed by year and condition. 37

Figure 59. Other Nearshore Species ex-vessel value by year..... 37
Figure 60. Other Nearshore Species average pounds landed per trip.. 37
Figure 61. Other Nearshore Species average ex-vessel price per pound by year and condition.. 37
Figure 62. Landings attainment percentage of harvest quotas by management group..... 38

Appendices

Appendix A. Annual harvest caps, landing caps, and Harvest Guidelines: 2004-2020..... 39
Appendix B. History of bimonthly trip limits: 2004-2020..... 40
Appendix C. Nearshore species commercial length and weight samples by year..... 48
Appendix D. 2021 nearshore species commercial length and weight samples by port group..... 54
Appendix E. 2022 nearshore species commercial length and weight samples by port group..... 59
Appendix F. 2021 nearshore species commercial length and weight samples by gear..... 64
Appendix G. 2022 nearshore species commercial length and weight samples by gear..... 69

Introduction

This document updates the 2020 Commercial Nearshore Fishery Data Update (Rodomsky *et al.* 2021) with data and management details through 2022. Detailed narratives and summaries from previous years can be found on the Oregon Department of Fish and Wildlife's Marine Resources Program's Publications page under "Finfish Reports"¹.

Oregon's nearshore waters support a limited-entry commercial fishery that targets rocky reef-associated groundfish species (Table 1). Data from the 2021 and 2022 commercial nearshore fishery are summarized here, including management goals, harvest specifications, fishing effort, landed poundage, nominal ex-vessel value, fishery-dependent biological data, and compliance with the commercial nearshore logbook requirement. A brief description of 2021 and 2022 fishery management actions is also included. As several ports have only a few participating vessels, data from Garibaldi and Astoria are combined into the Garibaldi port group, data from Depoe Bay and Newport are combined into the Newport port group, and data from Winchester Bay, Charleston, and Bandon are combined into the Bandon port group to maintain individual confidentiality. While fishers sometimes use more than one gear type during a fishing trip, landings in this document are summarized by the primary gear used during the trip that is recorded on Oregon commercial fish receiving tickets (fish tickets).

Fishery Management and Harvest Specification Updates

Fishery managers from the Oregon Department of Fish and Wildlife (ODFW) set specific management goals at the outset of each year to maintain a sustainable fishery from both a natural resources and a socio-economic perspective. Commercial fishers and other interested parties can provide input on these management goals at a series of public meetings held by ODFW each fall, or they can provide testimony directly to the Oregon Fish and Wildlife Commission (Commission) when regulations are adopted. Largely based on public input, the primary goal for both 2021 and 2022 was to provide fishing opportunities throughout the calendar year without exceeding state annual commercial harvest guidelines (HGs) or allowable impacts to yelloweye rockfish (*Sebastes ruberrimus*), a stock that is rebuilding after being declared overfished in 2002.

Commercial HGs are not quotas but are harvest limit regulations that serve to control fleetwide impacts to the fishery. The attainment of a HG does not necessarily cap fishery impacts. Harvest guidelines are implemented in Oregon regulations to manage species or species groups with federal Annual Catch Limits (ACLs), harvest allocations derived from stock assessments, without exceeding those limits. Harvest guidelines differ from harvest caps and landing caps implemented in historical regulations in that attainment of a cap results in fishery shutdown. Harvest guidelines are established in state rule through the Commission process by splitting ACLs among Oregon's commercial and recreational sectors based on historical catch. For 2021 and 2022, the state adopted individual commercial HGs for each of the Black Rockfish, Blue and Deacon Rockfish, Other Nearshore Rockfish, Greenling, and Cabezon management groups.

¹<https://www.dfw.state.or.us/MRP/publications/>

Commercial HG amounts for 2021 and 2022 are listed in Table 2, with fishery HGs and landing or harvest caps from 2020 and prior years listed in Appendices A & B. There is no HG for Other Nearshore Species. In general, HGs remain unchanged unless new information suggests an ACL should be adjusted. For most species, ACLs are adjusted every two years. These adjustments result from new or updated stock assessments, harvest control rules that automatically reduce harvest rates as a stock is fished down, and reductions due to scientific uncertainty, which increases with the age of an assessment. ACL adjustments recommended by stock assessments often decrease through time from the initial assessment ACL as stock biomass is fished down to maximum sustainable yield (MSY).

State commercial HGs for 2021 Black Rockfish, Other Nearshore Rockfish, and Greenling were set based on ACLs resulting from 2015 stock assessment information. The Black Rockfish HG in 2021 remained unchanged from 2020 at 122.9 metric tons (mt). The Blue and Deacon Rockfish HG was set at 16.8 metric tons (mt), down 8.2% from 18.3 mt in 2020, and Other Nearshore Rockfish was set at 11.3 mt, a 7.4% decrease from the 2020 HG. The Greenling HG decreased by 8.6% to 108.1 mt for 2021. The Cabezon HG increased by 15.9% to 35.0 mt in 2021, as HG increases from the 2019 assessment of this stock took effect. For 2022, the Black Rockfish HG remained unchanged from 2021. The HG for Blue and Deacon Rockfish decreased by 3.0% to 16.8 metric tons, while the HG for Other Nearshore Rockfish decreased by 1.8% to 11.1 metric tons. The Greenling HG was set at 103.8 metric tons, a 4.0% decrease from the 2021 HG and the Cabezon HG decreased by 4.3% to 33.5 metric tons (Table 2). Discard mortality for the commercial nearshore fishery was quantified by the Federal West Coast Groundfish Observer Program and summarized in National Oceanic and Atmospheric Administration Fisheries annual reports.

ODFW implements six bimonthly periods (Table 3) for which trip limits for the five species management groups are set for individual permitted vessels (Table 4; Figures 2 - 6; Appendix B). Bimonthly trip limits apply to permitted vessels for each period to regulate landings of commercial harvest relative to HGs across the calendar year. Trip limits are intended to balance the trade-off between early HG attainment resulting in limit reductions or even fishery closure with providing year-round fishery access. Trip limits can be adjusted up or down, in-season, to allow greater opportunity for reaching HGs or to slow harvest to stay below harvest allocations. Public input regarding trip limits and other management measures for 2021 was sought at the annual commercial nearshore fishery meetings held in September 2020 and at the December 2020 Commission meeting. Based on both meeting input and recommendations from ODFW, the Commission adopted annual HGs, trip limits, and other fishery regulations for 2021 at the December 2020 Commission meeting. Following the same process, annual HGs, trip limits, and other fishery regulations for 2022 were adopted at the December 2021 Commission meeting.

The trip limits put into effect at the outset of 2021 and 2022 were intended to require few or no in-season changes and provide predictable allocations, season lengths, and market supply. Initial bimonthly trip limits for Black Rockfish in 2021 were set at 1,500 pounds for Periods 1 and 6, 1,800 pounds for Periods 2 and 5, and 2,100 pounds for Periods 3 and 4 (Table 4). Blue and Deacon Rockfish limits were set at 1,500 pounds for each bimonthly period in 2021. Trip limits for Other Nearshore Rockfish were initially set at 350 pounds per bimonthly period in 2021,

which was a 100-pound decrease from 2020 trip limits. For Greenling, trip limits were set at 1,000 pounds per bimonthly period. Cabezon bimonthly trip limits increased from 1,000 pounds in 2020 to 1,500 pounds for all bimonthly periods in 2021 (Table 4). In-season adjustments to bimonthly trip limits for Black Rockfish and Cabezon were made for Periods 5 and 6 to allow additional opportunity to attain a larger portion of the state Black Rockfish and Cabezon HGs, as landings were running below average. For Black Rockfish, Period 5 trip limits increased by 900 pounds (50%), from 1,800 pounds to 2,700 pounds, and Period 6 trip limits increased by 1,200 pounds (80%), from 1,500 pounds to 2,700 pounds. Cabezon trip limits increased to 2,000 pounds per bimonthly period, which was a 500-pound increase (33%). Other Nearshore Rockfish trip limits were also adjusted upward to 450 pounds, a 100-pound increase.

For 2022, initial bimonthly trip limits for Black Rockfish during Periods 1 and 6 increased from 1,500 pounds to 1,800 pounds, which was a 300-pound increase from 2021 (Table 5). Trip limits for Periods 2 and 5 remained the same as in 2021 at 1,800 pounds, while trip limits for Periods 3 and 4 increased from 2,100 in 2021 to 2,400 pounds in 2022. As in 2021, 2022 trip limits for Blue and Deacon Rockfish were set at 1,500 pounds, Other Nearshore Rockfish at 350 pounds, Greenling at 1,000 pounds, and Cabezon at 1,500 pounds for all bimonthly periods. Since landings of Cabezon and Greenling were running below average by late summer 2022, in-season adjustments were made to trip limits for Periods 5 and 6 (Table 5). Cabezon bimonthly trip limits were increased by 500 pounds (33%) from 1,500 pounds to 2,000 pounds per period, while Greenling bimonthly trip limits were increased from 1,000 pounds to 1,200 pounds per period, a 200-pound increase (20%). These increases were intended to allow additional opportunity to attain a larger portion of the state Cabezon and Greenling HGs. In October 2022, landings of Black Rockfish were running high, with harvest projected to exceed the commercial HG before the end of the year. Accordingly, the trip limit for Black Rockfish during Period 6 was reduced to 200 pounds, a 1,600-pound (89%) decrease from the initial bimonthly trip limit set at the beginning of 2022 (Table 5). The decrease extended the time that the fishery was able to remain open for some Black Rockfish harvest along with other target species.

In 2020, the Commission adopted a change to the regulations for Black Rockfish Management Areas (BRMAs) (Figure 1) and increased the trip landing limit to 500 pounds during Period 1 and Period 6, a 200-pound increase, while the BRMA trip limit for Periods 2 through Period 5 remained at 300 pounds per trip. These regulations remained in place for 2021. For 2022, the Commission suspended the per-trip limits for BRMAs for a one-year trial period to evaluate impacts. Starting in 2022, the Commission also prohibited the retention and landing of quillback rockfish taken with any non-trawl gear for commercial purposes, regardless of permit type, based on results of a federal stock assessment conducted in 2021.

End of the year attainment of the state HGs for 2021, not including discard mortality, was 82% for Black Rockfish, 37% for Blue and Deacon Rockfish, 80% for Other Nearshore Rockfish, 9% for Greenling, and 67% for Cabezon. For 2022, attainment was 96% for Black Rockfish, 64% for Blue and Deacon Rockfish, 87% for Other Nearshore Rockfish, 17% for Greenling, and 78% for Cabezon.

China, Copper, and Quillback Rockfish Biological Samples

Observations worth noting from commercial fishery biological samples from 2022 and prior are the significant drops and declining trends in average sizes of the main Other Nearshore Rockfish species. From 2019 to 2020, the average China rockfish length decreased by half an inch and has remained near this lower average since. There was a gradual decline in average weight from 2016 to 2020, although this trend appears to have leveled off in 2021 and 2022. The decline in China rockfish size has been loosely mirrored in quillback rockfish length and weight trends. On the other hand, copper rockfish average length and weight gradually increased from 2017 through 2020 before declining slightly in 2021 and more sharply in 2022. For all three species, average length and weight in 2022 was at the low end of the historical range of these values (Appendix C). While the cause of these patterns is unclear, it is possible that either environmental or harvest related factors, or a combination of both, are driving these observed declines. An increase in the number of younger and smaller fish entering the fishery due to above average recruitment may also be driving length and weight distributions smaller. Conversely, it is possible that older fish are becoming smaller and lighter, influenced by environmental drivers such as food availability altered by warm water conditions that have occurred frequently in the northeastern Pacific since 2015. Alternatively, harvest patterns across space and time or by gear type may be hyper stable, changing stock size distributions while masking depletion concerns. Sampling patterns will be evaluated to determine if these patterns are driven by variability in the proportion of samples taken by fishery sector (longline vs. hook and line) as 2020 in particular created various challenges for sampling staff and data acquisition consistency compared to prior years. Quillback rockfish and copper rockfish underwent separate data moderate assessments in 2021 (Langseth *et al.* 2021 and Wetzel *et al.* 2021, respectively). Given that retention of quillback rockfish has been prohibited in the non-trawl fishery since 2022, data from other fisheries or fishery-independent surveys will be required to determine biological trends. ODFW will continue to monitor these species, evaluate the available data, consider regulation adjustments, and support ongoing stock assessment efforts.

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Tables

Table 1. Fish species on Oregon’s nearshore species list, including the state management group under which each is managed.

Management Group	Common Name	Scientific Name
Black Rockfish	Black rockfish	<i>Sebastes melanops</i>
Blue & Deacon Rockfish	Blue rockfish	<i>Sebastes mystinus</i>
	Deacon rockfish	<i>Sebastes diaconus</i>
Other Nearshore Rockfish	Kelp rockfish	<i>Sebastes atrovirens</i>
	Brown rockfish	<i>Sebastes auriculatus</i>
	Gopher rockfish	<i>Sebastes carnatus</i>
	Copper rockfish	<i>Sebastes caurinus</i>
	Black & yellow rockfish	<i>Sebastes chrysomelas</i>
	Calico rockfish	<i>Sebastes dalli</i>
	Quillback rockfish	<i>Sebastes maliger</i>
	China rockfish	<i>Sebastes nebulosus</i>
	Grass rockfish	<i>Sebastes rastrelliger</i>
	Olive rockfish	<i>Sebastes serranoides</i>
	Treefish	<i>Sebastes serriceps</i>
Greenling	Kelp greenling	<i>Hexagrammos decagrammus</i>
	Rock greenling	<i>Hexagrammos lagocephalus</i>
	Whitespotted greenling	<i>Hexagrammos stelleri</i>
	Painted greenling	<i>Oxylebius pictus</i>
Cabazon	Cabazon	<i>Scorpaneichthys marmoratus</i>
Other Nearshore Species	Buffalo sculpin	<i>Enophrys bison</i>
	Red Irish lord	<i>Hemilepidotus hemilepiotus</i>
	Brown Irish lord	<i>Hemilepidotus spinosus</i>
Federal Shelf Rockfish	Vermilion rockfish	<i>Sebastes minatus</i>
	Tiger rockfish	<i>Sebastes nigrocinctus</i>

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table 2. Harvest guidelines (mt) for state management groups for 2021 and 2022.

Year	Black Rockfish	Blue & Deacon Rockfish	Other Nearshore Rockfish	Greenling	Cabezon	Other Nearshore Species
2021	122.9	16.8	11.3	108.1	35.0	N/A
2022	122.9	16.3	11.1	103.8	33.5	N/A

Table 3. Bimonthly cumulative period durations.

Period	Duration
1	January - February
2	March - April
3	May - June
4	July - August
5	September - October
6	November - December

Table 4. Bimonthly trip limits from commercial nearshore state management groups at the outset of 2021. In-season trip limit changes with realized limits are depicted in *italics*.

Management Group	Period(s)	2021 Outset Limit - pounds (<i>in-season change</i>)
Black Rockfish	1	1,500
	2	1,800
	3	2,100
	4	2,100
	5	1,800 (<i>2,700</i>)
	6	1,500 (<i>2,700</i>)
Blue & Deacon Rockfish	1 - 6	1,500
Other Nearshore Rockfish	1 - 4	350
	<i>Aug 27</i>	<i>450</i>
	5 - 6	350 (<i>450</i>)
Greenling	1 - 6	1,000
Cabezon	1 - 4	1,500
	<i>Aug 27</i>	<i>2,000</i>
	5 - 6	1,500 (<i>2,000</i>)

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table 5. Bimonthly trip limits from commercial nearshore state management groups at the outset of 2022. In-season trip limit changes with realized limits are depicted in *italics*.

Management Group	Period(s)	2022 Outset Limit - pounds (<i>in-season change</i>)
Black Rockfish	1	1,800
	2	1,800
	3	2,400
	4	2,400
	5	1,800
	6	1,800 (<i>200</i>)
Blue & Deacon Rockfish	1 - 6	1,500
Other Nearshore Rockfish	1 - 6	350
Greenling	1 - 4	1,000
	5 - 6	1,000 (<i>1,200</i>)
Cabezon	1 - 4	1,500
	5 - 6	1,500 (<i>2,000</i>)

Table 6. Summary of 2021 length samples (inches) from the Oregon commercial nearshore fishery.

Species	Sample Size	Average	Range	95% CI (\pm)
Black rockfish	3,199	15.5	10.2 - 22.0	0.1
Blue rockfish	123	13.0	10.6 - 16.1	0.2
Cabezon	798	20.3	14.6 - 42.9	0.2
China rockfish	605	13.2	11.0 - 16.5	0.1
Copper rockfish	147	16.8	12.2 - 21.3	0.3
Deacon rockfish	481	13.6	9.4 - 18.1	0.1
Gopher rockfish	8	12.8	11.8 - 13.8	0.6
Grass rockfish	62	14.0	11.8 - 16.9	0.3
Kelp greenling	763	14.3	8.3 - 16.9	0.1
Quillback rockfish	313	14.1	10.6 - 19.7	0.2
Tiger rockfish	14	16.5	11.0 - 20.5	1.1
Vermilion rockfish	140	18.7	12.6 - 24.4	0.5

Table 7. Summary of 2021 weight samples (pounds) from the Oregon commercial nearshore fishery.

Species	Sample Size	Average	Range	95% CI (±)
Black rockfish	3,199	2.4	0.7 - 5.9	0.0
Blue rockfish	123	1.7	0.7 – 3.0	0.1
Cabezon	798	5.9	1.3 – 34.0	0.2
China rockfish	605	1.8	1.0 - 3.7	0.0
Copper rockfish	147	3.6	1.2 - 7.6	0.2
Deacon rockfish	481	1.7	0.5 - 3.7	0.0
Gopher rockfish	8	1.6	1.2 - 2.1	0.2
Grass rockfish	62	2.1	1.3 - 3.6	0.1
Kelp greenling	763	1.6	0.7 – 3.0	0.0
Quillback rockfish	313	2.3	0.7 - 5.6	0.1
Tiger rockfish	14	3.4	0.8 - 5.3	0.6
Vermilion rockfish	140	4.9	1.0 - 10.5	0.3

Table 8. Summary of 2022 length samples (inches) from the Oregon commercial nearshore fishery.

Species	Sample Size	Average	Range	95% CI (±)
Black rockfish	4,006	15.5	9.8 - 23.6	0.0
Blue rockfish	165	13.4	9.4 - 16.1	0.2
Cabezon	915	20.1	13.4 - 29.5	0.2
China rockfish	1,170	13.2	9.4 - 18.9	0.1
Copper rockfish	164	16.1	12.2 - 20.9	0.3
Deacon rockfish	567	13.7	8.3 - 16.9	0.1
Gopher rockfish	23	11.9	9.1 - 13.4	0.4
Grass rockfish	25	14.2	12.2 - 16.9	0.5
Kelp greenling	1,508	14.2	10.6 - 17.3	0.1
Quillback rockfish	45	14.0	10.6 - 17.7	0.6
Tiger rockfish	48	16.1	13.0 - 19.7	0.4
Vermilion rockfish	175	19.1	11.8 – 24.0	0.4

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table 9. Summary of 2022 weight samples (pounds) from the Oregon commercial nearshore fishery.

Species	Sample Size	Average	Range	95% CI (±)
Black rockfish	3,992	2.3	0.6 - 5.6	0.0
Blue rockfish	165	2.0	0.6 - 3.4	0.1
Cabezon	914	5.7	2.2 - 15.8	0.2
China rockfish	1,165	1.9	0.8 - 4.4	0.0
Copper rockfish	164	3.3	1.2 - 6.9	0.2
Deacon rockfish	567	1.8	0.4 - 3.5	0.0
Gopher rockfish	23	1.4	1.0 - 2.2	0.1
Grass rockfish	25	2.1	1.2 - 3.9	0.2
Kelp greenling	1,508	1.5	0.5 - 3.0	0.0
Quillback rockfish	45	2.0	0.8 - 4.0	0.3
Tiger rockfish	48	3.1	1.5 - 5.7	0.2
Vermilion rockfish	172	5.3	1.4 - 11.6	0.3

Table 10. 2021 logbook program compliance by port group including open access lingcod trip logs.

Port	Trips Fished	Trips with no Log	Compliance
Garibaldi group	195	15	92.3 %
Pacific City	201	22	89.1 %
Newport group	293	51	82.6 %
Bandon group	122	26	78.7 %
Port Orford	989	83	91.6 %
Gold Beach	247	15	93.9 %
Brookings	110	0	100.0 %
Total	2,157	212	90.2 %

Table 11. 2022 logbook program compliance by port group including open access lingcod trip logs.

Port	Trips Fished	Trips with no Log	Compliance
Garibaldi group	161	11	93.2 %
Pacific City	223	5	97.8 %
Newport group	364	50	86.3 %
Bandon group	168	11	93.5 %
Port Orford	1,161	94	91.9 %
Gold Beach	390	22	94.4 %
Brookings	109	11	89.9 %
Total	2,576	204	92.1 %

Table 12. Summary of commercial nearshore logbook reported retained (Ret.) and released (Rel.) fish (pounds) by species and period in 2021. Rockfish is abbreviated in species names as RF.

Species	Period 1		Period 2		Period 3		Period 4		Period 5		Period 6		Annual Totals	
	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.
Big skate	0	0	0	0	0	0	0	0	0	95	0	0	0	95
Black & yellow RF	0	4	0	10	0	0	0	0	0	0	0	6	0	20
Black RF	104	12,251	1,211	50,719	167	47,088	334	43,152	630	38,751	91	17,863	2,537	209,824
Blue RF	121	316	360	2,145	96	1,851	440	2,451	441	3,242	203	2,404	1,661	12,409
Bocaccio	0	0	0	0	0	24	0	25	0	0	0	6	0	55
Brown RF	0	0	2	7	0	9	0	5	0	5	0	3	2	29
Cabezon	199	3,967	912	13,328	398	10,258	532	7,703	432	14,336	169	5,850	2,642	55,442
Canary RF	5	631	42	1,999	32	1,919	19	710	6	651	10	552	114	6,462
China RF	111	829	418	2,671	360	1,825	220	1,160	304	2,055	247	1,158	1,660	9,698
Chinook salmon	0	0	36	0	30	0	0	0	3	0	0	0	69	0
Coho salmon	0	0	0	0	0	0	40	0	0	0	0	0	40	0
Copper RF	3	56	8	724	7	603	13	946	8	804	62	486	101	3,619
Deacon RF	0	0	0	0	0	0	1	0	4	0	0	0	5	0
Giant Pacific octopus	0	0	0	10	0	0	0	0	0	20	0	0	0	30
Gopher RF	5	12	2	7	6	10	5	18	15	6	4	6	37	59
Grass RF	0	5	0	101	0	29	0	53	5	58	0	154	5	400
Greenlings	8	0	0	0	0	0	0	0	0	0	0	0	8	0
Kelp greenling	109	2,873	344	8,481	118	1,276	128	2,028	294	3,897	249	2,855	1,242	21,410
Lingcod	1,005	20,686	3,190	56,514	1,610	21,028	1,332	18,314	814	21,061	1,282	29,590	9,233	167,193
Longnose skate	0	0	0	0	0	0	0	8	0	193	0	140	0	341
Nominal shelf RF	0	0	0	807	0	1,130	0	0	0	0	0	0	0	1,937
Nominal slope RF	0	0	0	0	0	76	0	212	0	0	0	0	0	288
Olive RF	0	0	0	0	0	2	0	7	0	0	0	0	0	9
Pacific halibut	0	0	15	0	0	1,237	0	77	25	0	0	0	40	1,314
Petrale sole	0	0	0	0	0	0	0	3	0	7	0	0	0	10

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table 12. continued

Species	Period 1		Period 2		Period 3		Period 4		Period 5		Period 6		Annual Totals	
	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.
Quillback RF	43	69	57	913	105	720	47	604	202	893	60	345	514	3,544
Red Irish lord	1	0	1	0	0	0	3	0	0	0	1	0	6	0
Silvergray RF	0	0	0	0	0	49	0	53	0	0	0	0	0	102
Spiny dogfish shark	0	0	0	0	0	0	0	0	0	7	0	33	0	40
Starry flounder	0	0	0	0	0	0	0	0	0	0	0	11	0	11
Tiger RF	0	19	0	202	0	70	0	15	0	26	0	34	0	366
Vermilion RF	12	263	9	1,442	11	771	9	701	20	1,154	3	799	64	5,130
Widow RF	0	2	0	0	0	0	0	2	0	0	0	0	0	4
Wolf-Eel	0	6	0	35	0	117	0	82	0	38	0	0	0	278
Yelloweye RF	140	0	154	0	140	0	99	0	16	0	68	6	617	6
Yellowtail RF	0	22	75	273	36	284	26	185	15	167	1	87	153	1,018
Period Total	1,866	42,011	6,836	140,388	3,116	90,376	3,248	78,514	3,234	87,466	2,450	62,388	20,750	501,143

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table 13. Summary of commercial nearshore logbook reported retained (Ret.) and released (Rel.) fish (pounds) by species and period in 2022. Rockfish is abbreviated in species names as RF.

Species	Period 1		Period 2		Period 3		Period 4		Period 5		Period 6		Annual Totals	
	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.
Big skate	0	80	0	0	0	0	0	50	0	50	0	0	0	180
Black & yellow RF	5	15	0	6	0	11	0	3	1	11	0	2	6	48
Black RF	336	29,559	1,535	43,030	557	57,482	491	59,746	563	37,174	873	5,774	4,355	232,765
Blackgill RF	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Blue RF	460	1,992	320	2,896	381	1,709	531	4,789	672	4,216	75	3,477	2,439	19,079
Bocaccio	0	34	0	0	0	384	0	10	0	18	0	0	0	446
Brown RF	0	3	0	0	0	0	0	2	0	3	0	6	0	14
Buffalo sculpin	0	0	1	0	0	0	0	2	0	0	1	0	2	2
Cabezon	495	9,003	211	5,969	349	7,570	580	8,119	471	10,688	303	7,027	2,409	48,376
Canary RF	55	779	44	787	84	1,552	47	1,295	35	741	12	973	277	6,127
China RF	448	2,605	378	1,345	436	2,161	873	3,019	445	2,691	343	2,542	2,923	14,363
Copper RF	49	534	11	377	14	465	10	365	14	741	18	439	116	2,921
Deacon RF	20	0	0	0	0	0	0	0	0	0	0	0	20	0
Giant Pacific octopus	0	47	0	10	0	10	0	56	0	0	0	64	0	187
Gopher RF	3	21	16	31	5	55	6	72	32	100	3	33	65	312
Grass RF	0	28	0	92	1	25	0	18	0	38	0	8	1	209
Greenlings	0	0	0	0	0	0	0	30	0	0	0	0	0	30
Greenspotted RF	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Kelp greenling	354	6,762	291	6,656	358	9,408	257	5,341	153	4,067	99	2,806	1,512	35,040
Lingcod	2,647	65,369	2,537	39,606	3,457	33,992	1,476	23,566	1,052	23,408	1,761	62,723	12,930	248,664
Nominal slope RF	0	0	0	42	0	53	0	89	0	0	0	0	0	184
Olive RF	0	2	0	0	0	1	0	13	0	0	0	0	0	16
Pacific sanddab	0	0	0	0	0	0	0	1	0	2	0	0	0	3
Petrale sole	0	0	0	0	0	0	0	3	0	0	0	0	0	3
Quillback RF	474	5	397	3	685	5	663	0	390	0	242	0	2,851	13

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table 13. continued

Species	Period 1		Period 2		Period 3		Period 4		Period 5		Period 6		Annual Totals	
	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.
Red Irish lord	2	0	1	0	0	2	0	6	0	0	2	0	5	8
Rock greenling	0	0	0	0	0	0	2	0	0	0	0	0	2	0
Rosy RF	0	0	0	0	0	0	0	2	0	0	0	0	0	2
Sculpins	0	0	0	0	4	0	4	1	0	0	0	0	8	1
Silvergray RF	0	0	0	0	0	0	0	0	0	9	0	0	0	9
Skates	0	113	0	4	0	0	0	0	0	0	0	0	0	117
Slim sculpin	0	0	0	0	0	0	5	0	0	0	0	0	5	0
Spiny dogfish shark	0	0	0	0	0	0	0	0	0	0	0	9	0	9
Spotted ratfish	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Starry flounder	0	0	0	0	0	1	0	4	0	0	0	0	0	5
Tiger RF	0	58	1	41	0	30	0	26	0	11	0	52	1	218
Vermilion RF	12	933	3	797	0	557	19	737	15	761	9	681	58	4,466
Widow RF	0	7	0	0	0	0	0	0	0	0	0	5	0	12
Wolf-Eel	0	0	0	30	0	22	0	52	0	19	0	10	0	133
Yelloweye RF	188	0	74	0	47	0	53	0	129	0	158	0	649	0
Yellowtail RF	20	147	12	444	79	1,077	157	642	56	343	24	185	348	2,838
Period Total	5,568	118,096	5,832	102,166	6,457	116,574	5,174	108,063	4,028	85,092	3,923	86,816	30,982	616,807

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table 14. Total pounds landed, total value, and average prices of live and fresh fish by species in 2021.

Species	Live lbs	Fresh lbs	Live Value \$	Fresh Value \$	Avg Live Price \$	Avg Fresh Price \$
Black rockfish	118,257	104,186	316,294.23	187,900.76	2.67	1.80
Blue & deacon rockfish	3,018	10,567	9,760.75	16,406.86	3.23	1.55
Cabezon	55,680	4,858	225,098.75	9,032.25	4.04	1.86
Greenling	21,838	504	109,538.50	589.60	5.02	1.17
Black & yellow rockfish	22	NA	146.50	NA	6.66	NA
Brown rockfish	26	33	112.25	56.05	4.32	1.70
China rockfish	8,322	1,974	59,777.00	2,971.75	7.18	1.51
Copper rockfish	3,040	1,221	15,135.70	1,911.00	4.98	1.57
Gopher rockfish	71	15	362.25	24.50	5.10	1.63
Grass rockfish	505	4	3,528.50	7.00	6.99	1.75
Kelp rockfish	NA	5	NA	11.75	NA	2.35
Olive rockfish	NA	4	NA	6.50	NA	1.62
Quillback rockfish	2,945	1,710	13,022.75	2,301.00	4.42	1.35
Red Irish lord	NA	5	NA	7.50	NA	1.50
Tiger rockfish	231	265	1,407.50	402.75	6.09	1.52
Vermilion rockfish	1,888	4,517	10,903.25	6,955.75	5.78	1.54
Total	215,843	129,868	765,087.93	228,585.02	5.11	1.63

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table 15. Total pounds landed, total value, and average prices of live and fresh fish by species in 2022.

Species	Live lbs	Fresh lbs	Live Value \$	Fresh Value \$	Avg Live Price \$	Avg Fresh Price \$
Black rockfish	137,192	121,779	378,954.75	238,606.32	2.76	1.96
Blue & deacon rockfish	5,249	17,598	16,892.45	28,458.60	3.22	1.62
Cabezon	50,641	4,698	214,361.25	9,687.91	4.23	2.06
Greenling	38,203	772	202,108.99	1,025.55	5.29	1.33
Black & yellow rockfish	62	5	435.00	8.75	7.02	1.75
Brown rockfish	22	6	83.00	11.25	3.77	1.88
China rockfish	14,119	2,626	103,450.55	4,338.65	7.33	1.65
Copper rockfish	2,736	1,044	14,277.50	1,795.40	5.22	1.72
Gopher rockfish	261	17	1,462.75	35.25	5.60	2.07
Grass rockfish	221	2	1,548.00	3.50	7.00	1.75
Olive rockfish	NA	38	NA	61.25	NA	1.61
Quillback rockfish	5	197	32.50	43.25	6.50	0.22
Buffalo sculpin	2	NA	11.00	NA	5.50	NA
Red Irish lord	9	NA	49.50	NA	5.50	NA
Tiger rockfish	332	312	2,146.50	477.25	6.47	1.53
Vermilion rockfish	2,040	4,841	13,049.25	8,017.60	6.40	1.66
Total	251,094	153,935	948,862.99	292,570.53	5.45	1.63

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table 16. Number of trips landing nearshore species and landings (in pounds) for state management groups by bimonthly period with 2021 attainment.

Period	Trip Count	Black Rockfish	Blue & Deacon Rockfish	Other Nearshore Rockfish	Greenling	Cabezon	Other Nearshore Species
1	164	12,730	321	1,165	2,967	4,324	302
2	512	54,419	2,535	4,808	8,763	13,778	1,824
3	398	49,428	1,905	3,946	1,479	11,895	1,145
4	339	44,822	2,487	3,051	2,085	8,119	927
5	357	41,403	3,590	4,264	4,068	16,115	1,659
6	240	19,700	2,747	2,668	2,980	6,307	1,049
Total	2,010	222,502	13,585	19,902	22,342	60,538	6,906
Attainment (%)		82.1	36.7	79.9	9.37	78.5	N/A

Table 17. Number of trips landing nearshore species and landings (in pounds) for state management groups by bimonthly period with 2022 attainment.

Period	Trip Count	Black Rockfish	Blue & Deacon Rockfish	Other Nearshore Rockfish	Greenling	Cabezon	Other Nearshore Species
1	379	32,400	2,201	3,830	7,086	10,048	1,385
2	427	47,154	3,347	2,155	7,326	6,679	972
3	492	62,742	1,668	3,067	10,419	8,400	768
4	485	66,751	6,289	4,494	6,266	9,516	1,592
5	362	43,910	5,177	4,343	4,715	12,733	1,612
6	277	6,353	4,165	3,472	3,163	7,963	1,207
Total	2,422	259,310	22,847	21,361	38,975	55,339	7,536
Attainment (%)		95.7	63.6	87.3	17.0	74.9	N/A

Figures

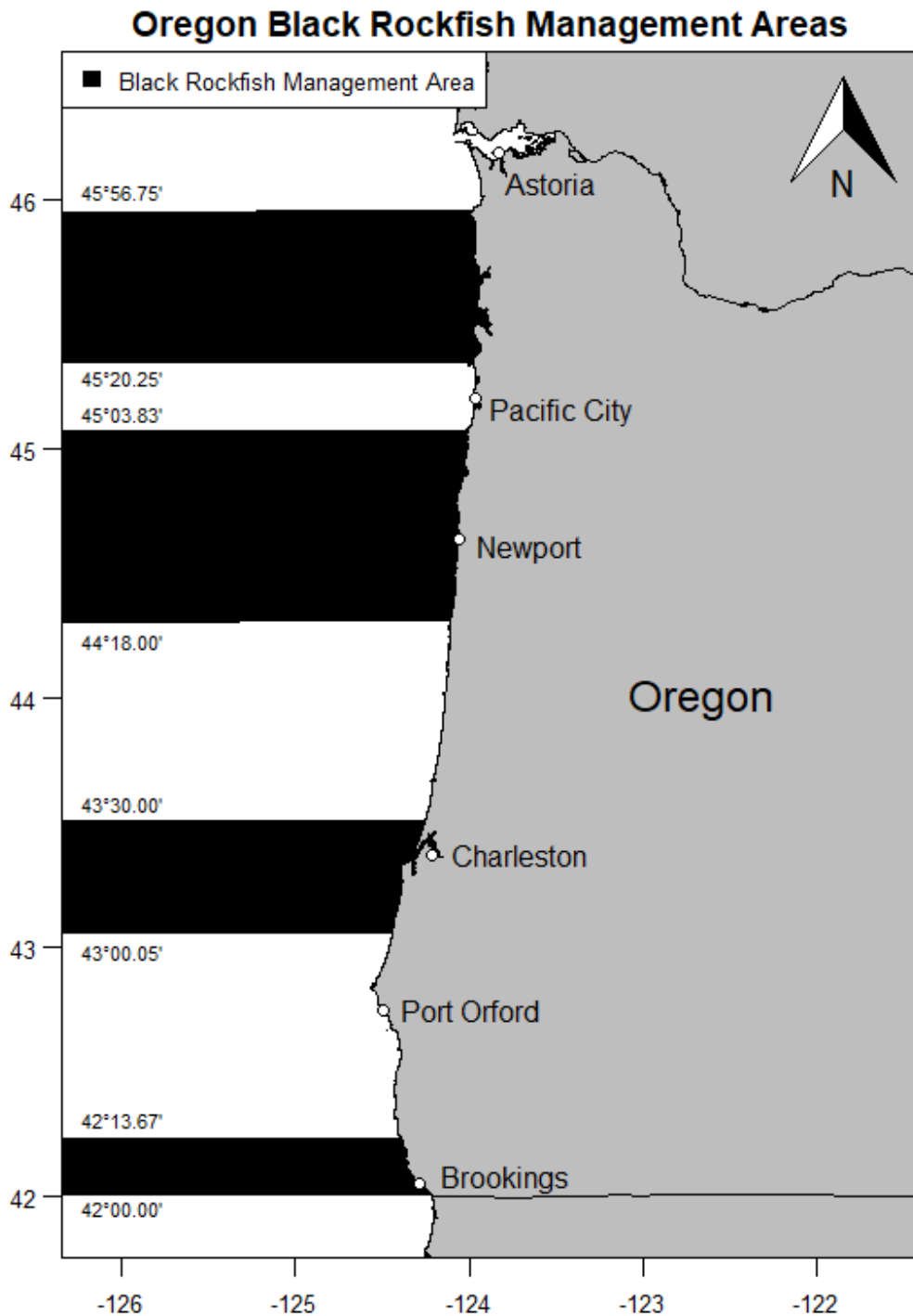


Figure 1. Black Rockfish Management Areas (BRMAs) off Oregon. In 2022, per-trip limits for BRMAs were suspended, allowing vessels with a Black-Blue Rockfish Permit to land up to the 2-month period limit on a single trip regardless of whether any fishing occurred in a BRMA.

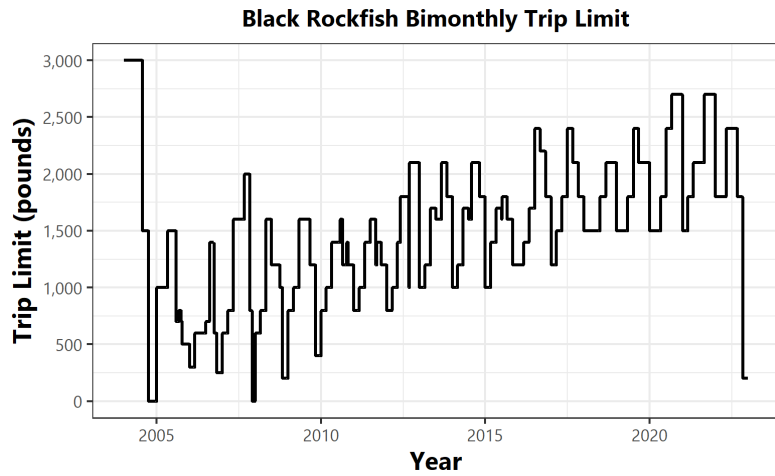


Figure 2. Black Rockfish bimonthly trip limit history. Prior to 2015 this limit was a combined Black/Blue/Deacon Rockfish trip limit.

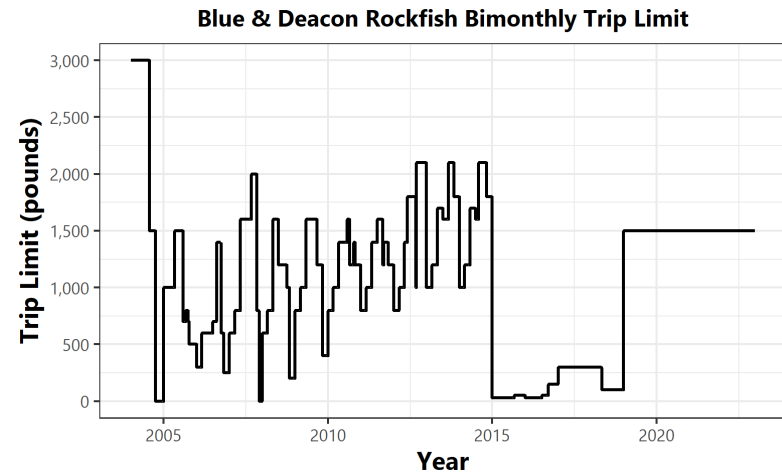


Figure 3. Blue and Deacon Rockfish bimonthly trip limit history. Prior to 2015 this limit was a combined Black/Blue/Deacon Rockfish trip limit.

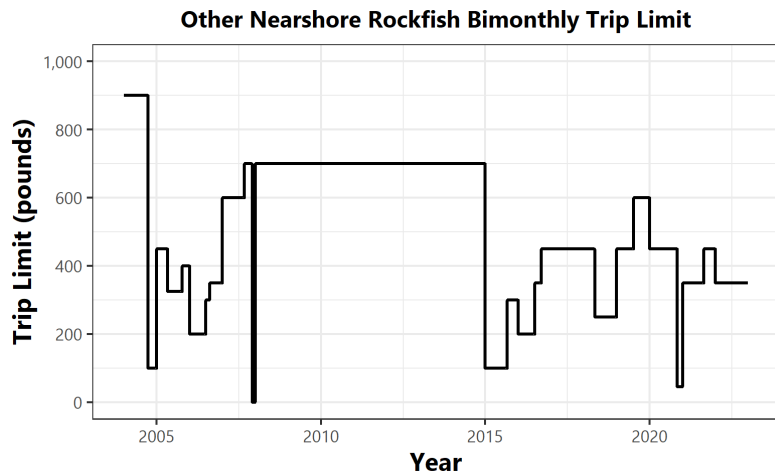


Figure 4. Other Nearshore Rockfish bimonthly trip limit history.

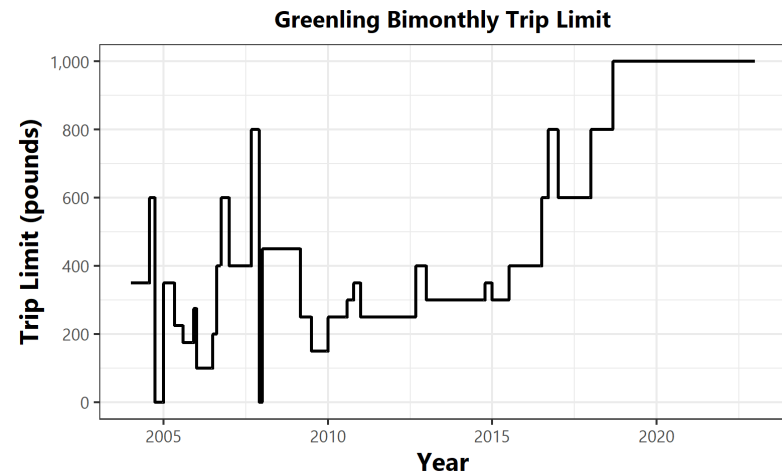


Figure 5. Greenling bimonthly trip limit history.

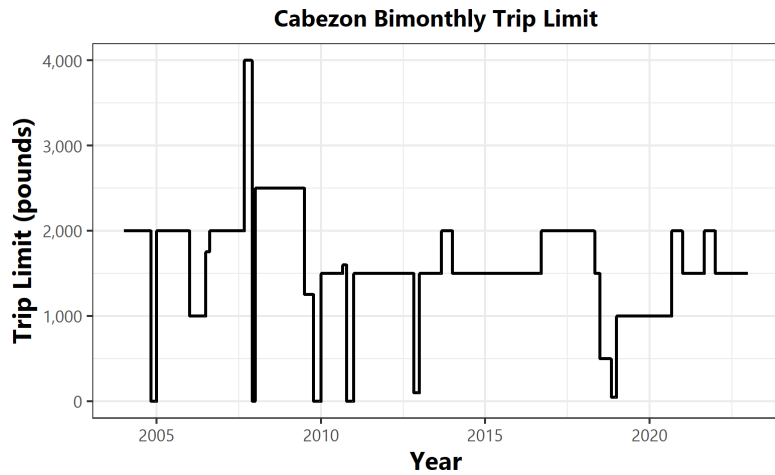


Figure 6. Cabezon bimonthly trip limit history.

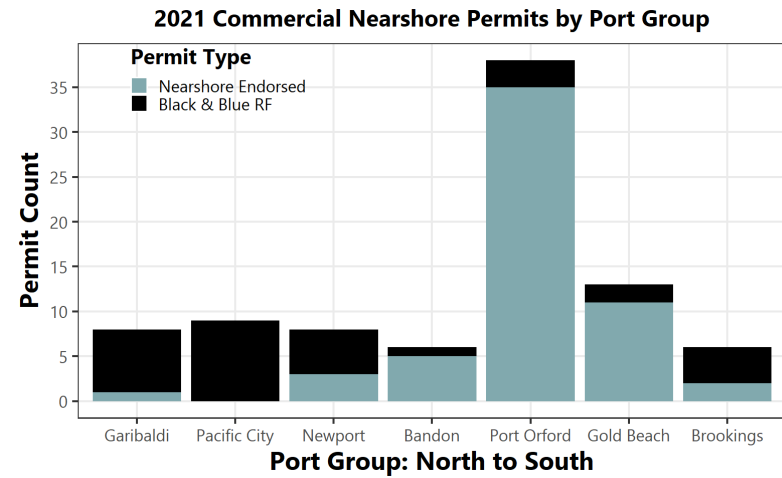


Figure 7. 2021 Commercial nearshore Black and Blue Rockfish permits by port group.

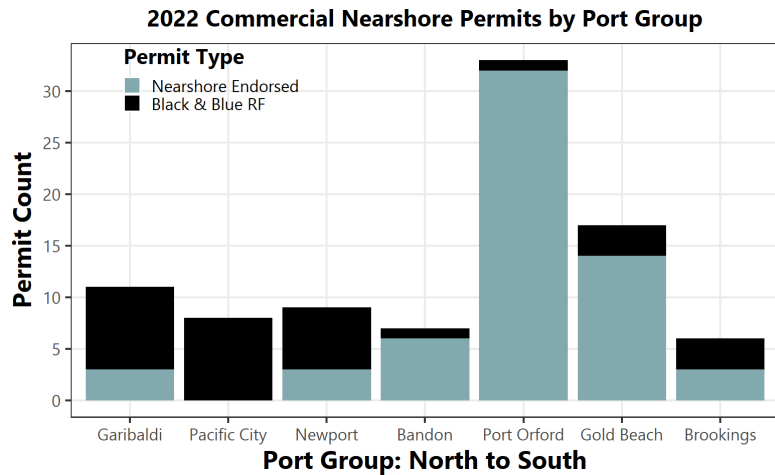


Figure 8. 2022 Commercial nearshore Black and Blue Rockfish permits by port group.

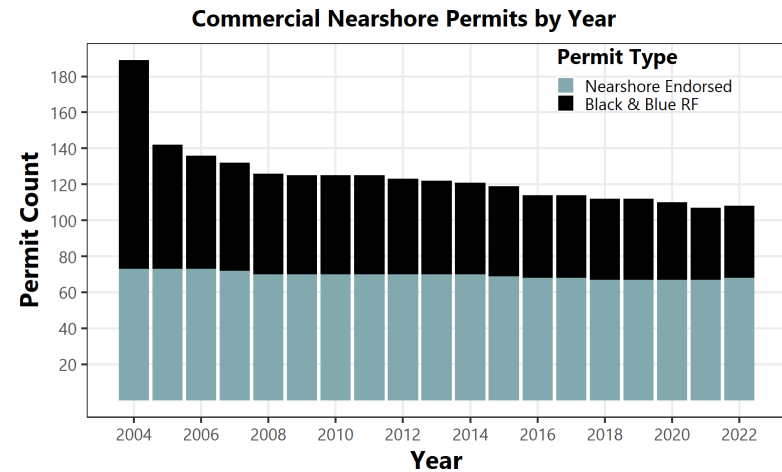


Figure 9. History of commercial nearshore Black and Blue Rockfish permits.

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

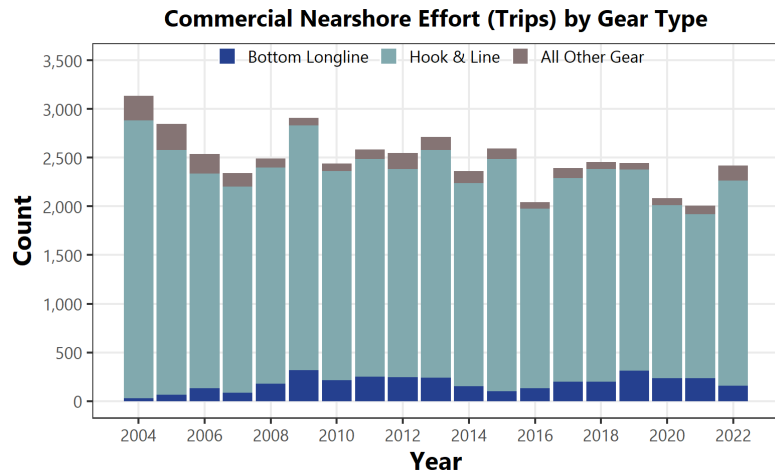


Figure 10. Commercial nearshore fishery effort (day trip) by year and gear type.

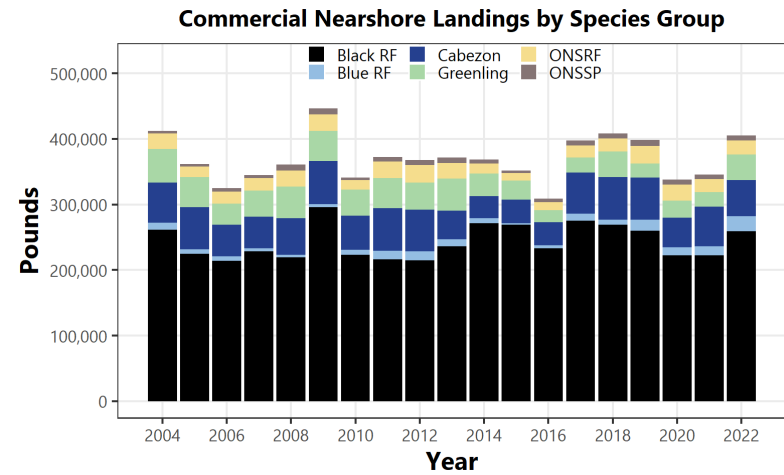


Figure 11. Commercial nearshore landings (pounds) by year and species management group.

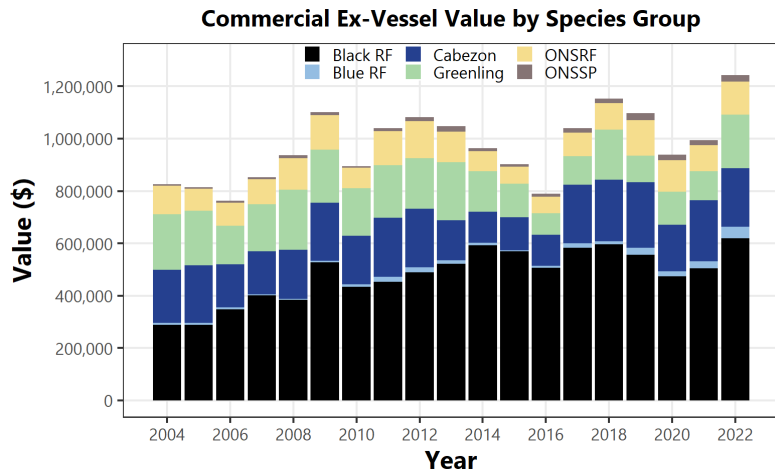


Figure 12. Commercial nearshore landings ex-vessel value (\$) by year and species management group.

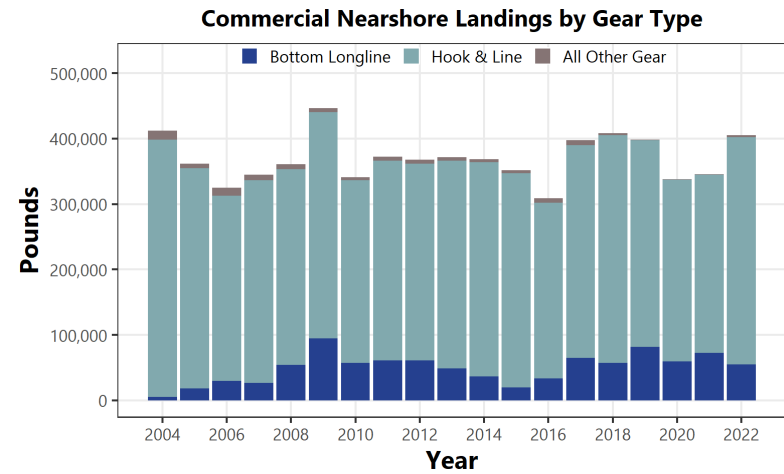


Figure 13. Commercial nearshore landings (pounds) by year and gear type.

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

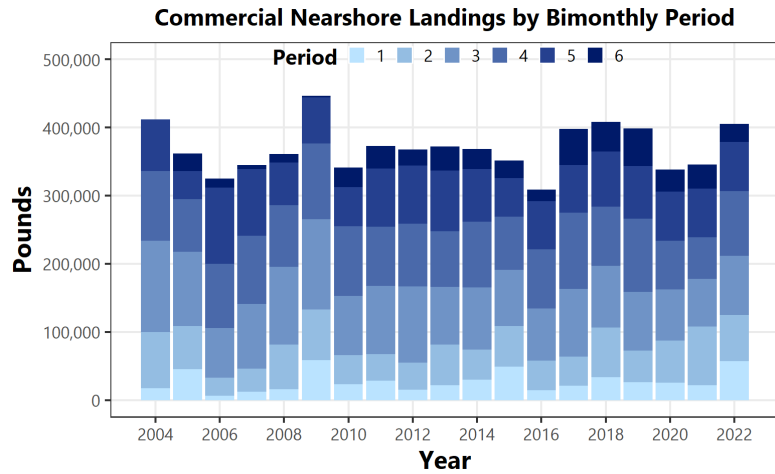


Figure 14. Commercial nearshore landings (pounds) by year and bimonthly period.

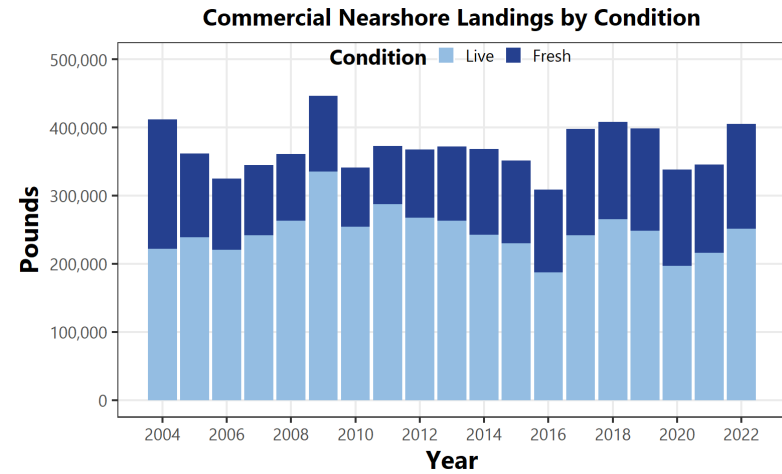


Figure 15. Commercial nearshore landings (pounds) by year and market condition.

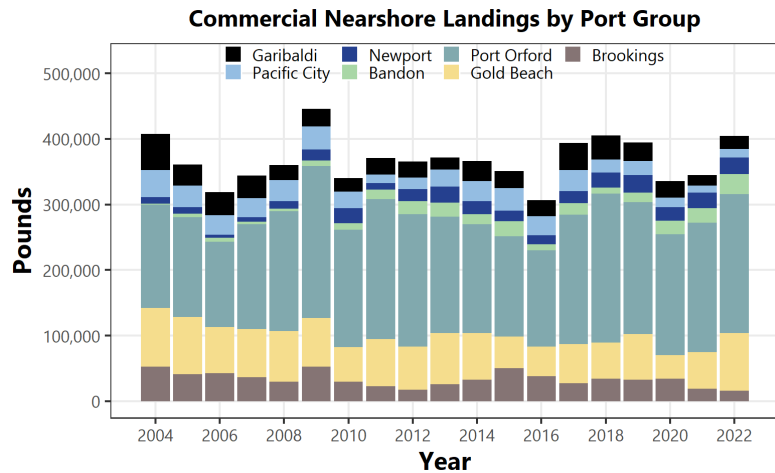


Figure 16. Commercial nearshore landings (pounds) by year and port group.

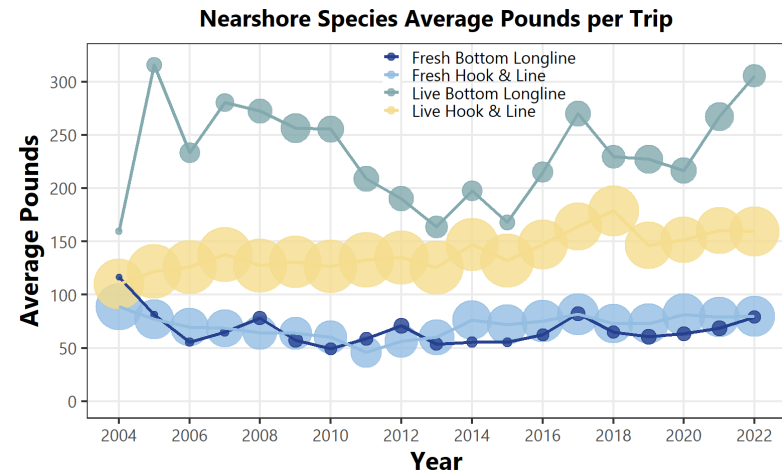


Figure 17. Average pounds landed per trip for all nearshore species combined by year, gear type, and market condition. Bubble size is weighted by the percentage of pounds landed by each sector.

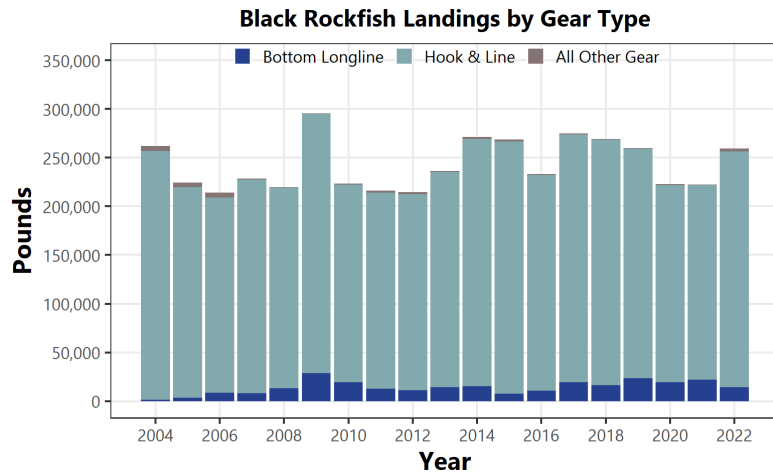


Figure 18. Black Rockfish landings (pounds) by year and gear type.

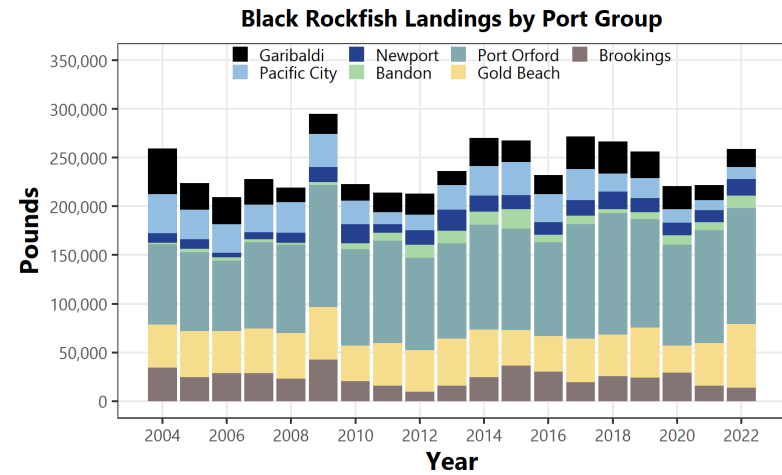


Figure 19. Black Rockfish landings (pounds) by year and port group.

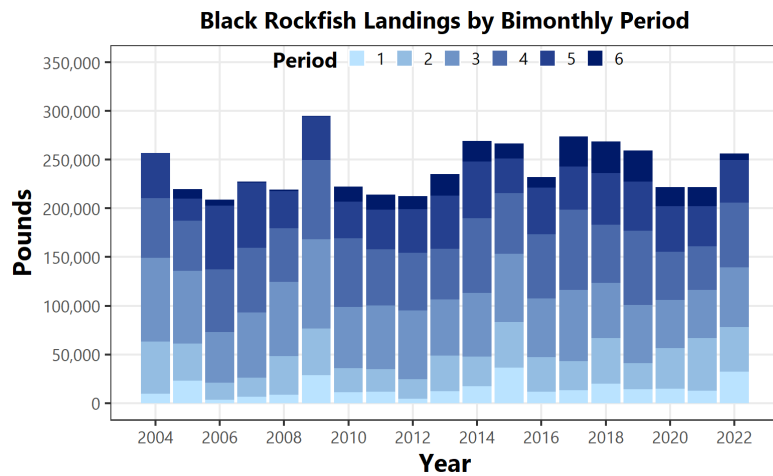


Figure 20. Black Rockfish landings (pounds) by year and bimonthly period.

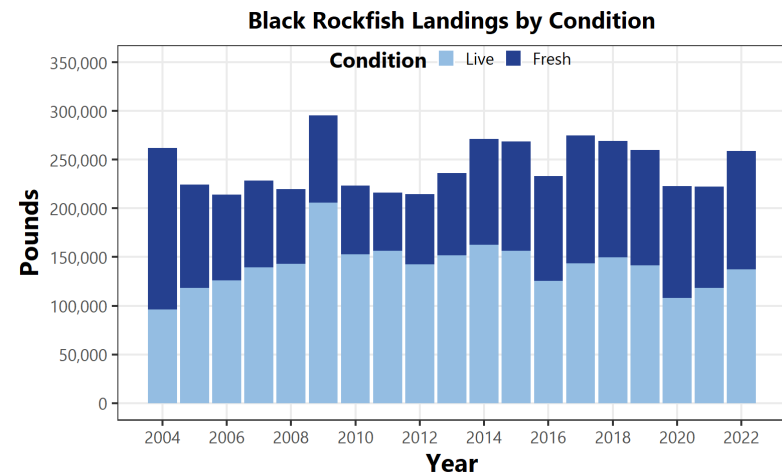


Figure 21. Black Rockfish landings (pounds) by year and market condition.

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

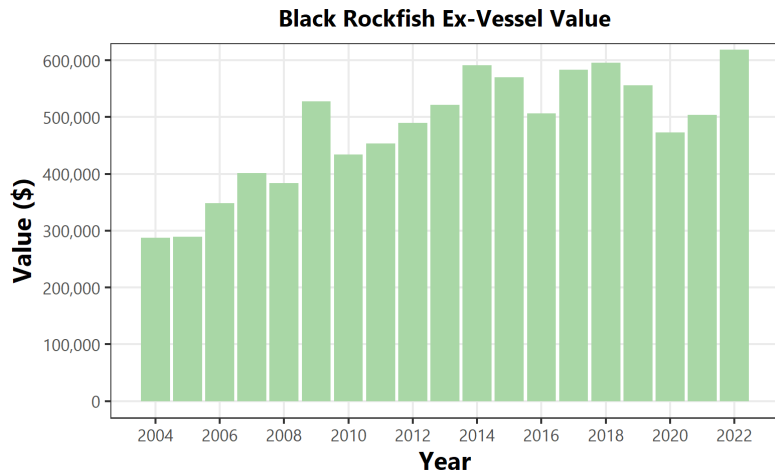


Figure 22. Black Rockfish ex-vessel value (\$) by year.

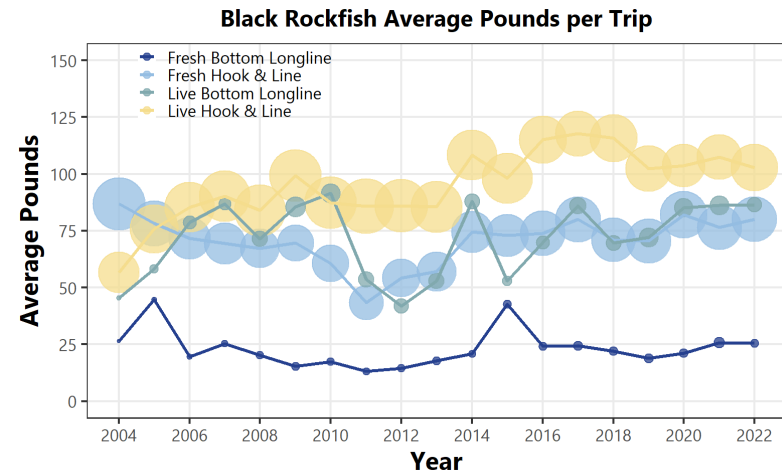


Figure 23. Average pounds landed per trip for Black Rockfish by year, gear type, and market condition. Bubble size is weighted by the percentage of pounds landed by each sector.

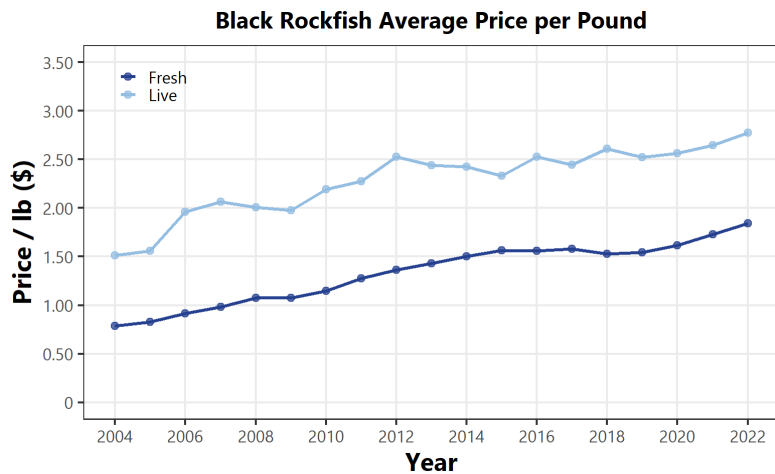


Figure 24. Black Rockfish average ex-vessel price per pound by year and market condition.

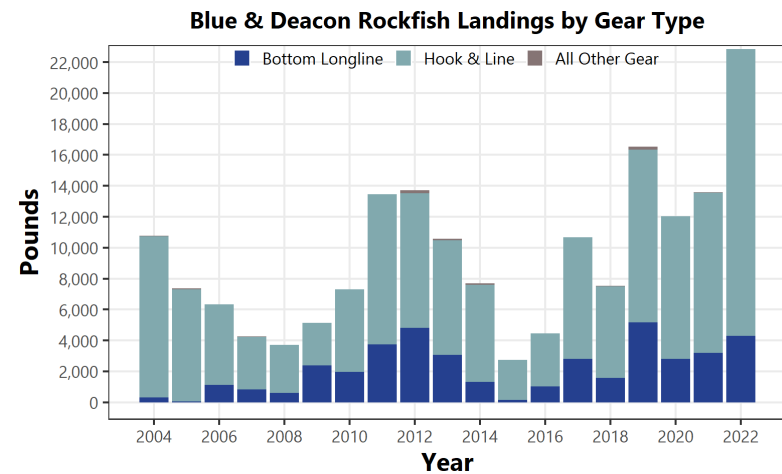


Figure 25. Blue and Deacon Rockfish landing (pounds) by year and gear type.

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

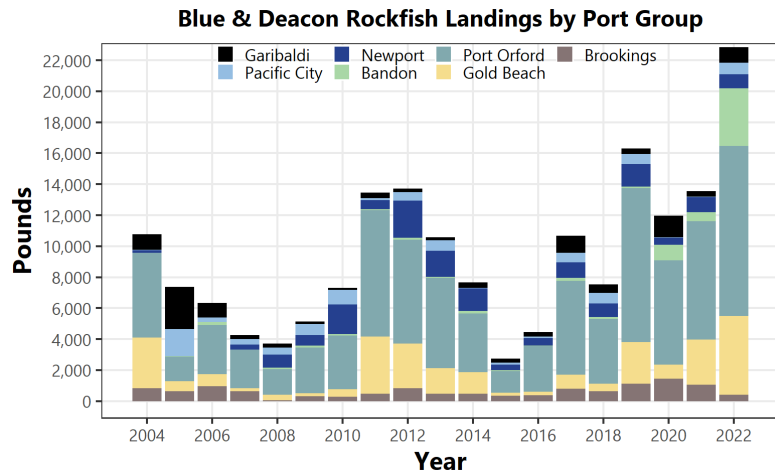


Figure 26. Blue and Deacon Rockfish landings (pounds) by year and port group.

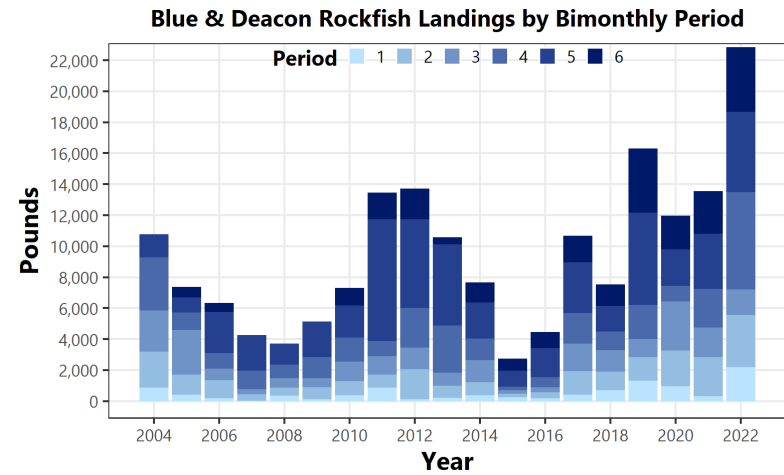


Figure 27. Blue and Deacon Rockfish landings (pounds) by year and bimonthly period.

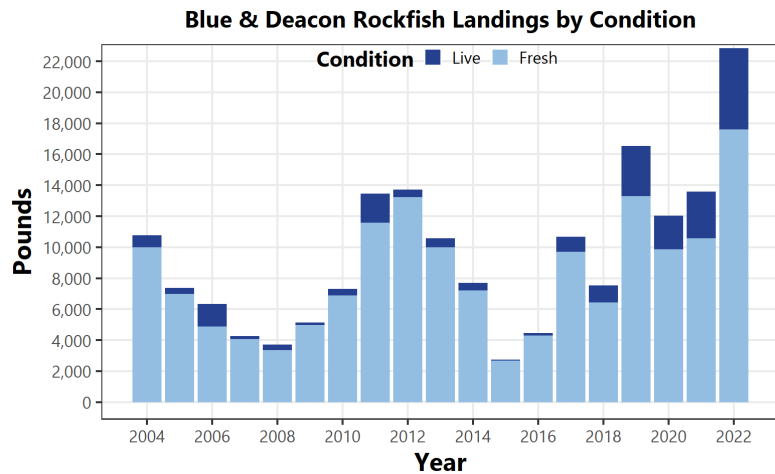


Figure 28. Blue and Deacon Rockfish landings (pounds) by year and market condition.

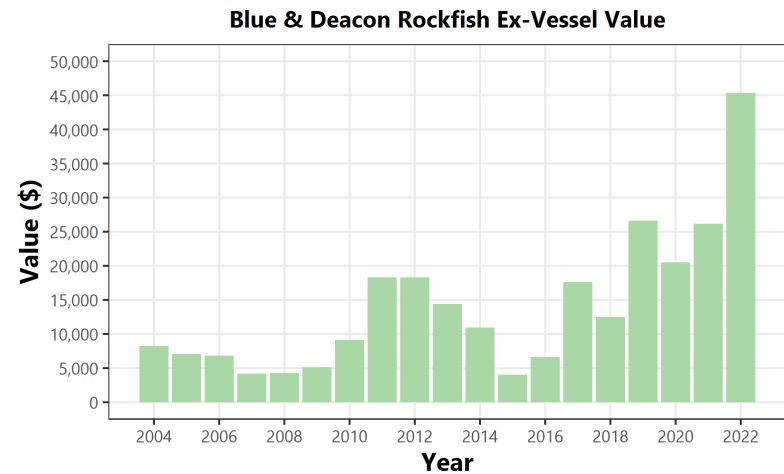


Figure 29. Blue and Deacon Rockfish by ex-vessel value (\$) by year.

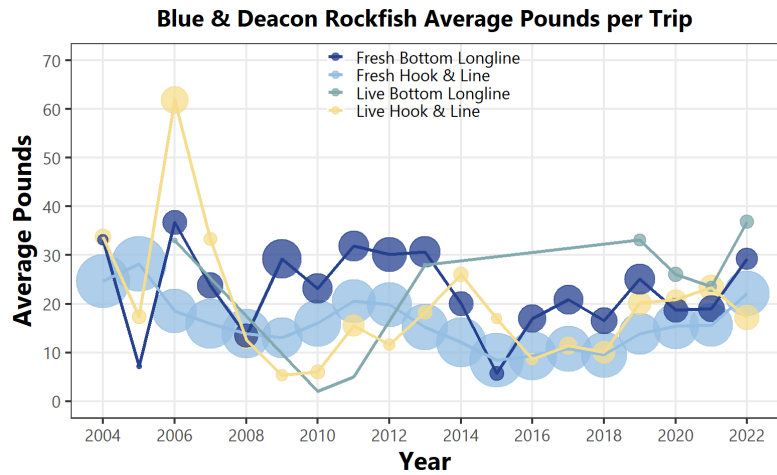


Figure 30. Average pounds landed per trip for Blue and Deacon Rockfish by year, gear type, and market condition. Bubble size is weighted by the percentage of pounds landed by each sector.

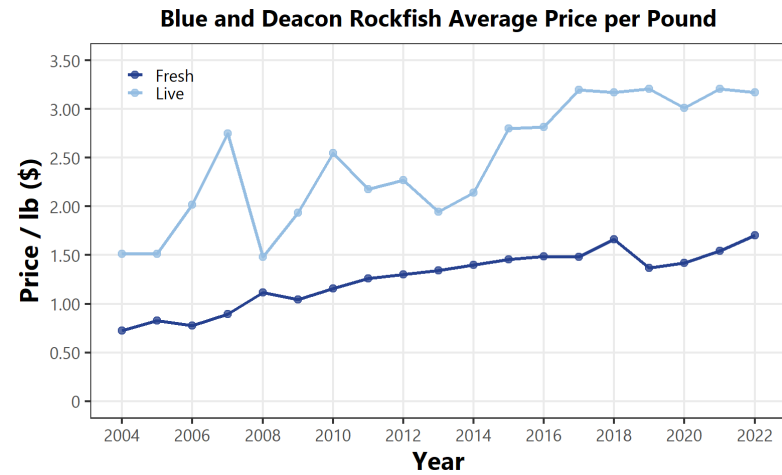


Figure 31. Blue and Deacon Rockfish average ex-vessel price per pound by year and market condition.

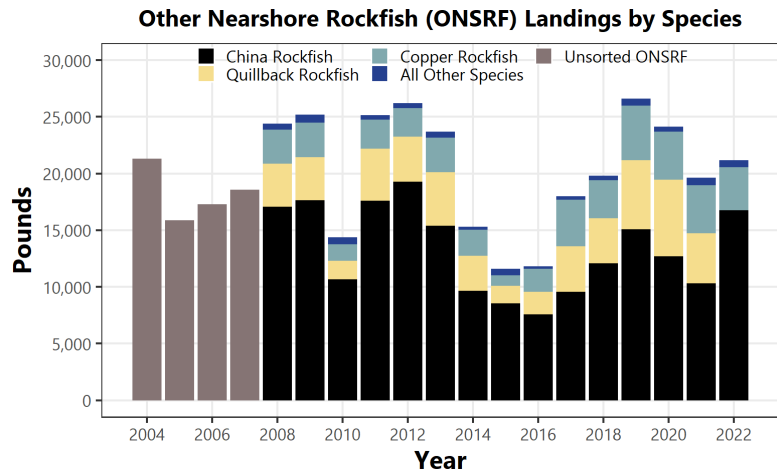


Figure 32. Other Nearshore Rockfish landings (pounds) by year and species group. Prior to 2008, fishes landed in this group were unsorted.

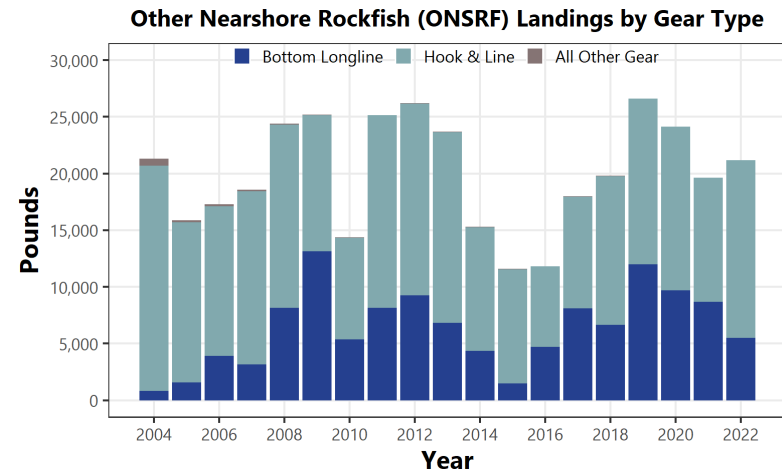


Figure 33. Other Nearshore Rockfish landings (pounds) by year and gear type.

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

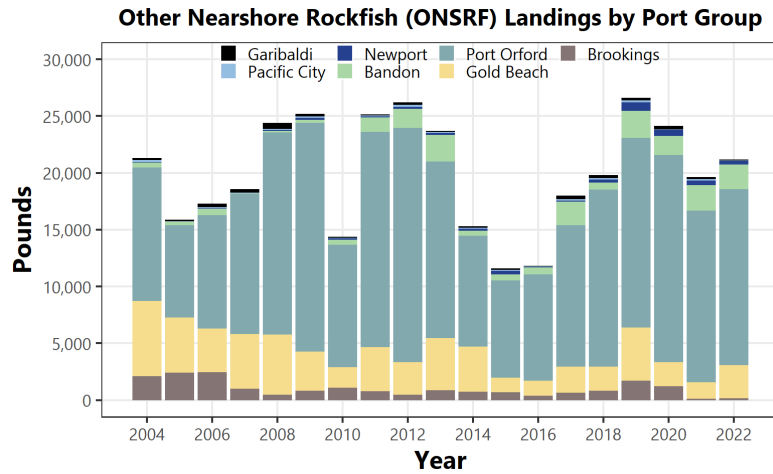


Figure 34. Other Nearshore Rockfish landings (pounds) by year and port group.

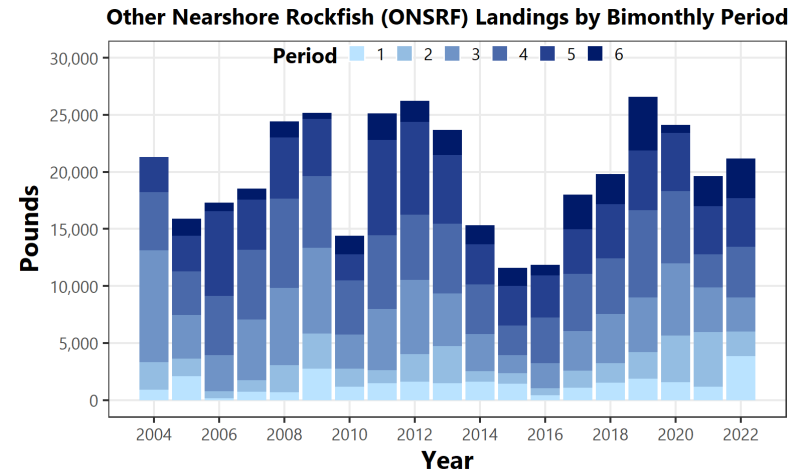


Figure 35. Other Nearshore Rockfish landings (pounds) by year and bimonthly period.

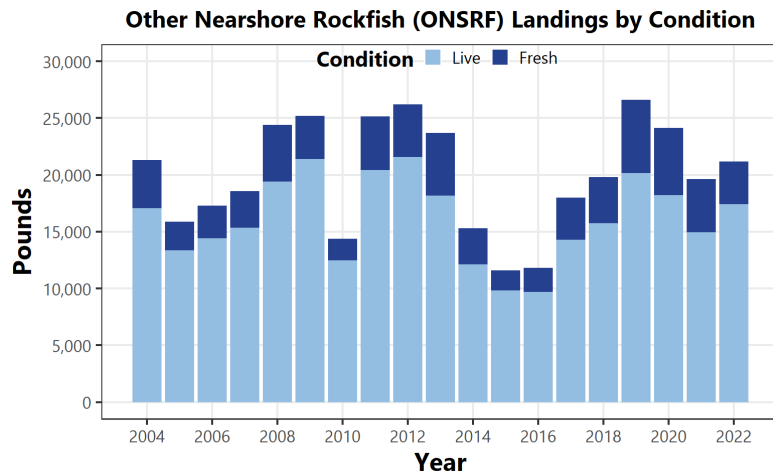


Figure 36. Other Nearshore Rockfish landings (pounds) by year and market condition.

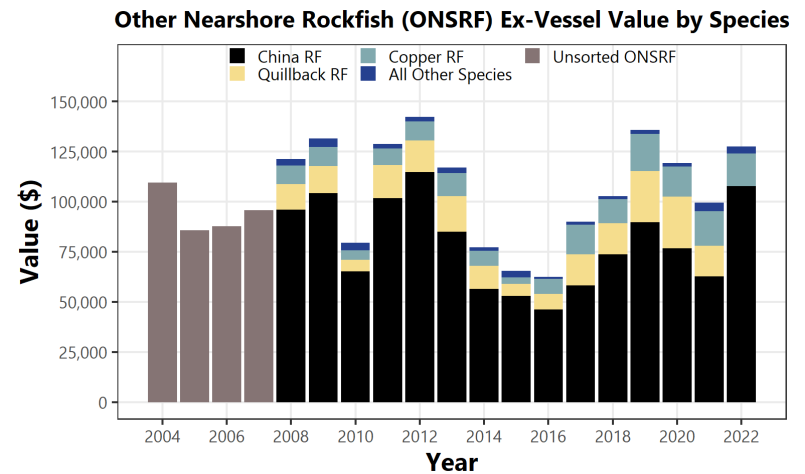


Figure 37. Other Nearshore Rockfish ex-vessel value (\$) by year and species group.

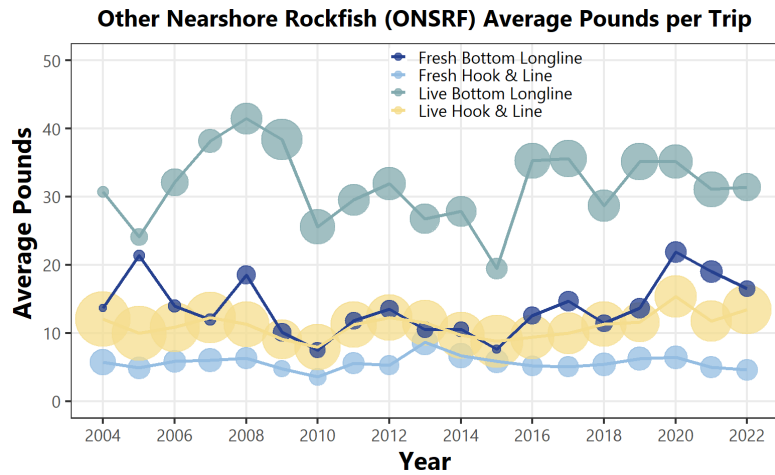


Figure 38. Average pounds landed per trip for Other Nearshore Rockfish by year, gear type, and market condition. Bubble size is weighted by the percentage of pounds landed by each sector.

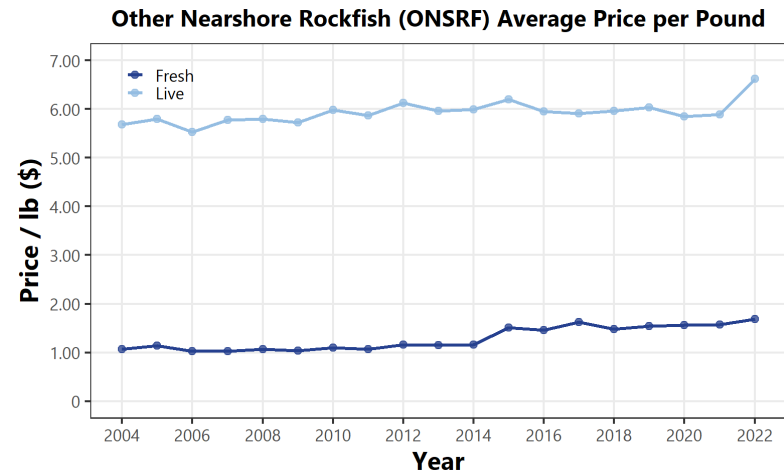


Figure 39. Other Nearshore Rockfish average ex-vessel price per pound by year and market condition.

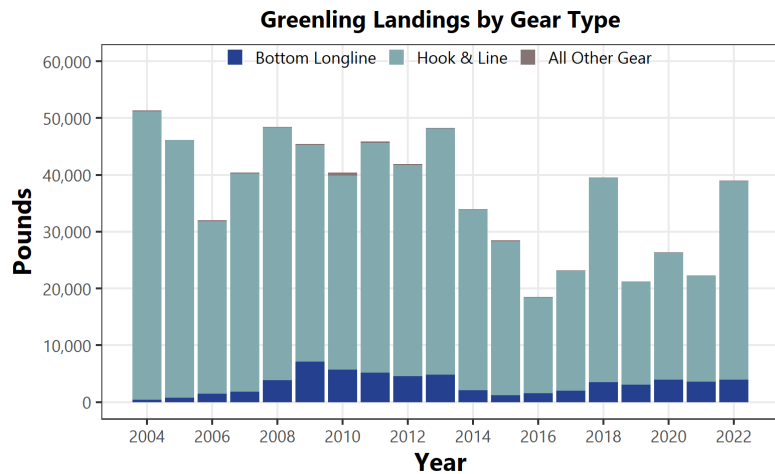


Figure 40. Greenling landings (pounds) by year and gear type.

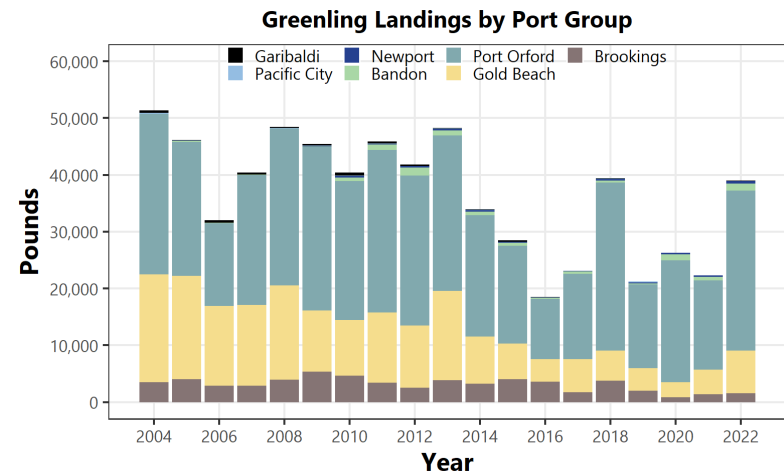


Figure 41. Greenling landings (pounds) by year and port group.

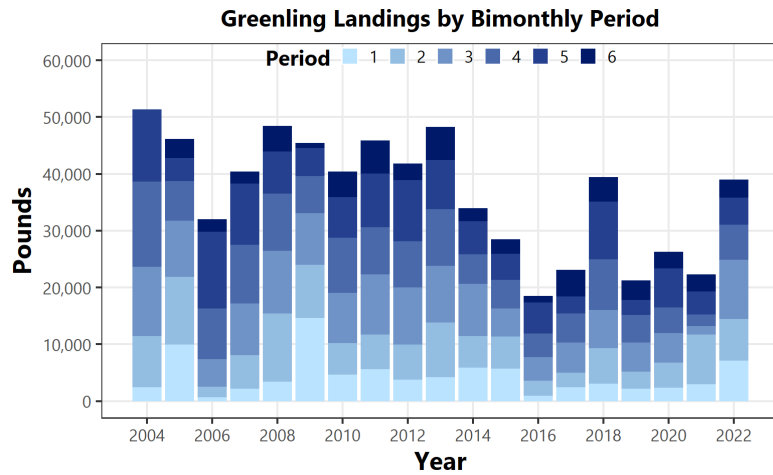


Figure 42. Greenling landings (pounds) by year and bimonthly period.

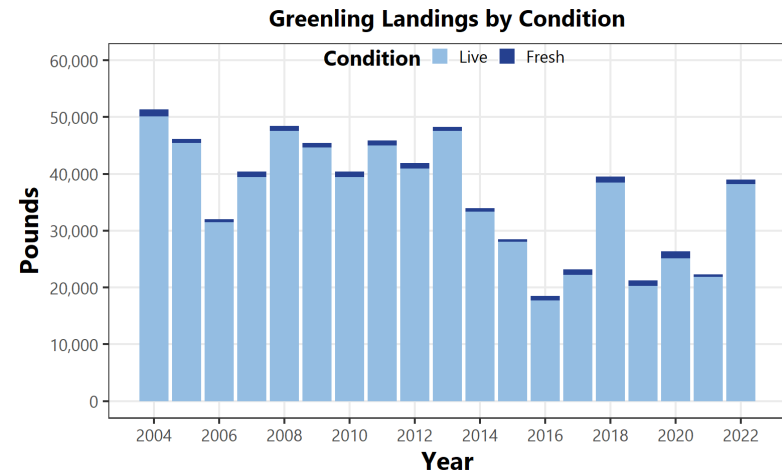


Figure 43. Greenling landings (pounds) by year and market condition.

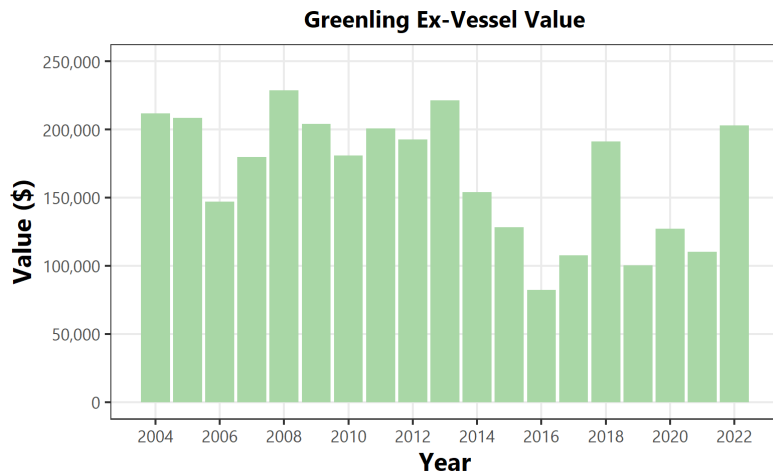


Figure 44. Greenling ex-vessel value (\$) by year.

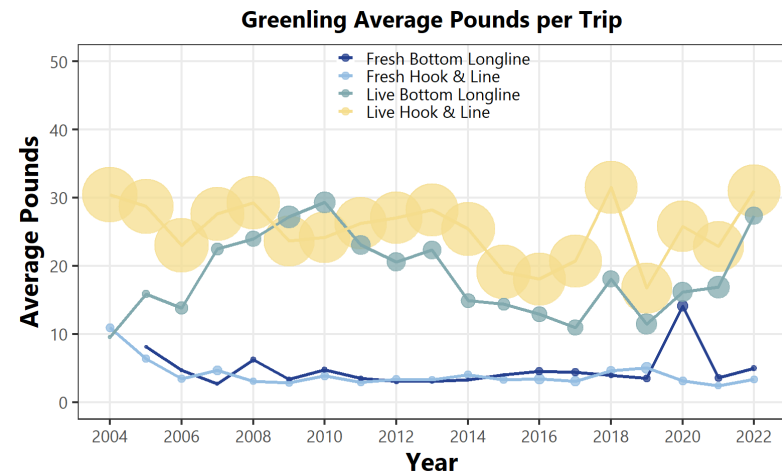


Figure 45. Average pounds landed per trip for Greenling by year, gear type, and market condition. Bubble size is weighted by the percentage of pounds landed by each sector.

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

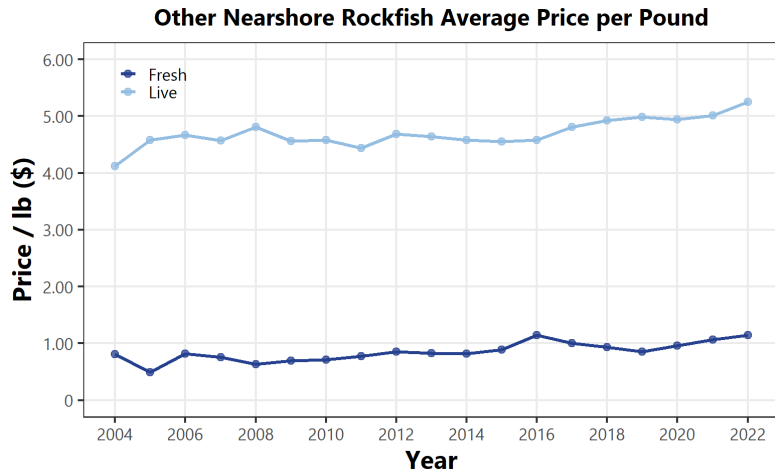


Figure 46. Greenling average ex-vessel price per pound by year and market condition.

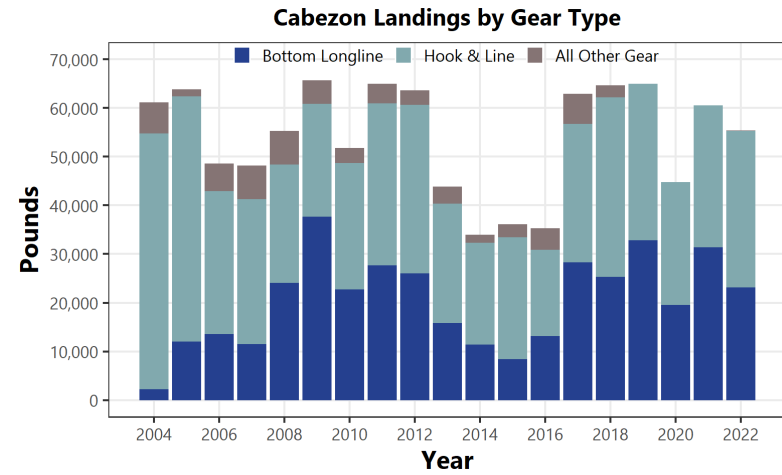


Figure 47. Cabezon landings (pounds) by year and gear type.

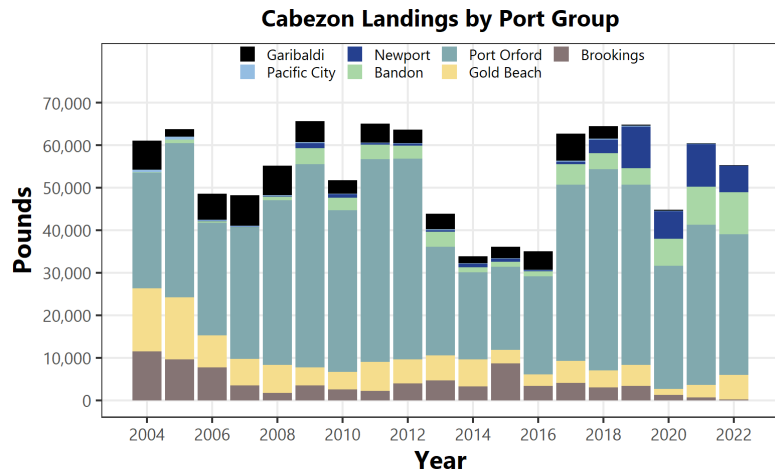


Figure 48. Cabezon landings (pounds) by year and port group.

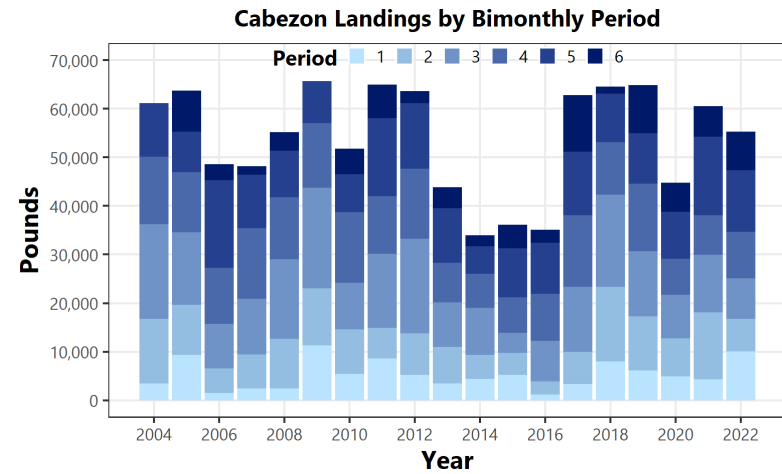


Figure 49. Cabezon landings (pounds) by year and bimonthly period.

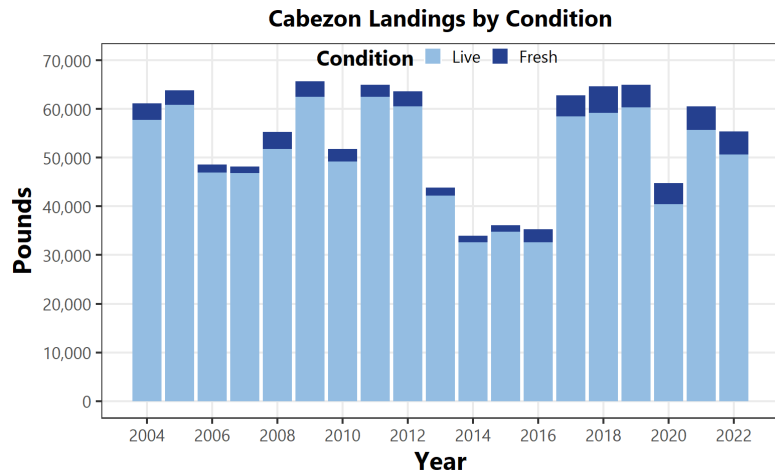


Figure 50. Cabezon landings (pounds) by year and condition.

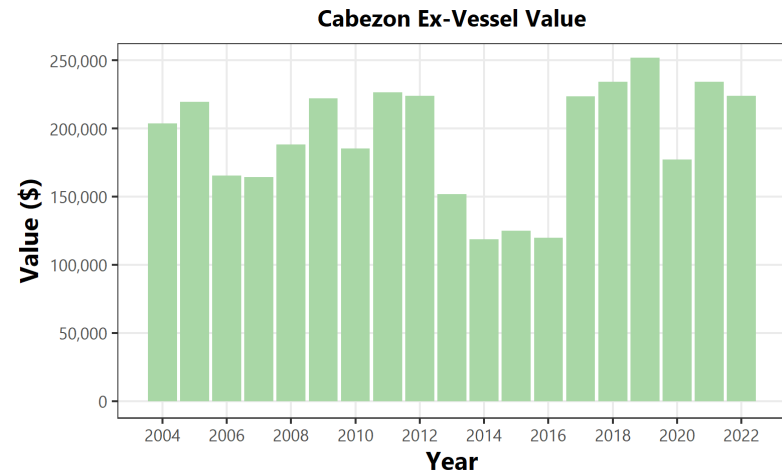


Figure 51. Cabezon ex-vessel value (\$) by year.

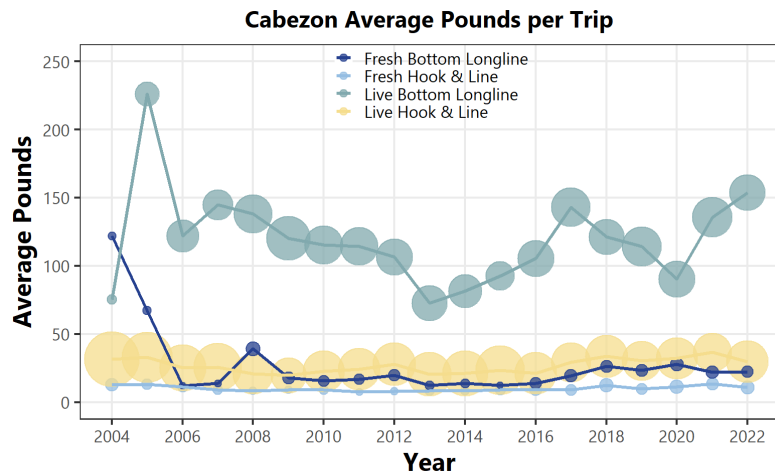


Figure 52. Average pounds landed per trip for cabezon by year, gear type, and market condition. Bubble size is weighted by the percentage of pounds landed by each sector.

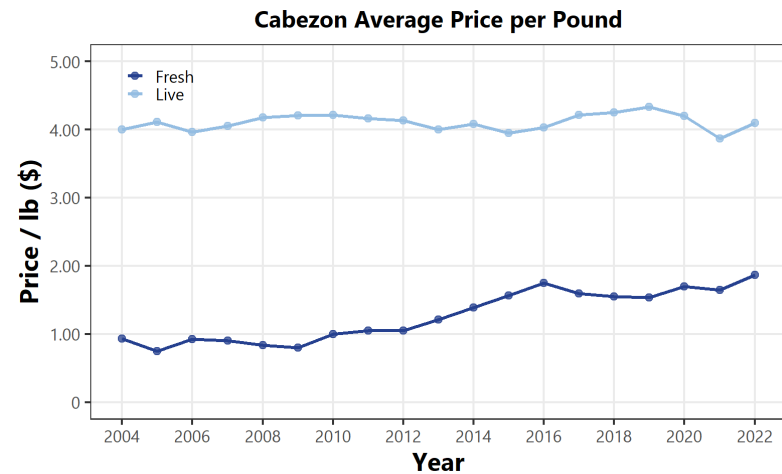


Figure 53. Cabezon average ex-vessel price per pound by year and market condition.

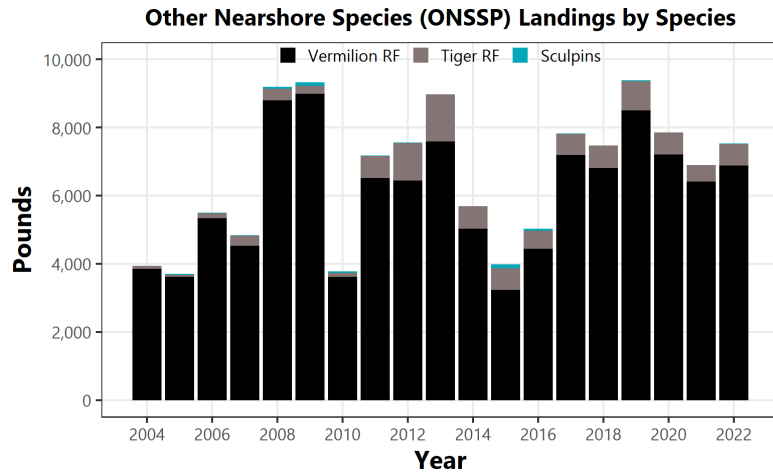


Figure 54. Other Nearshore Species landings (pounds) by year and species group.

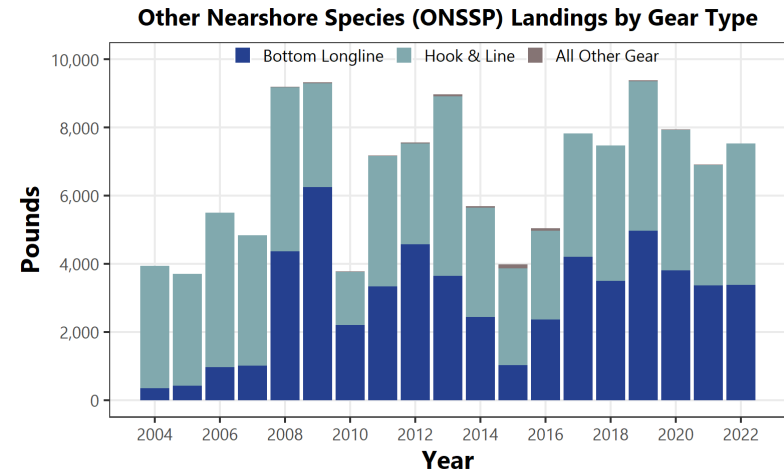


Figure 55. Other Nearshore Species landings (pounds) by year and gear type.

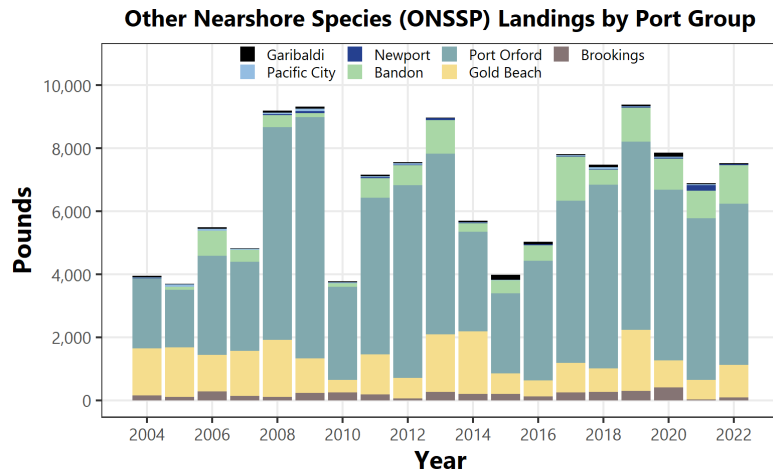


Figure 56. Other Nearshore Species landings (pounds) by port group.

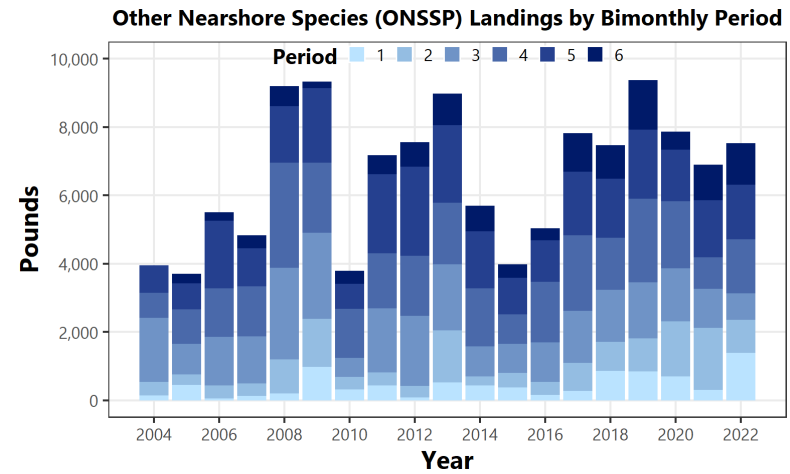


Figure 57. Other Nearshore Species landings (pounds) by year and bimonthly period.

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

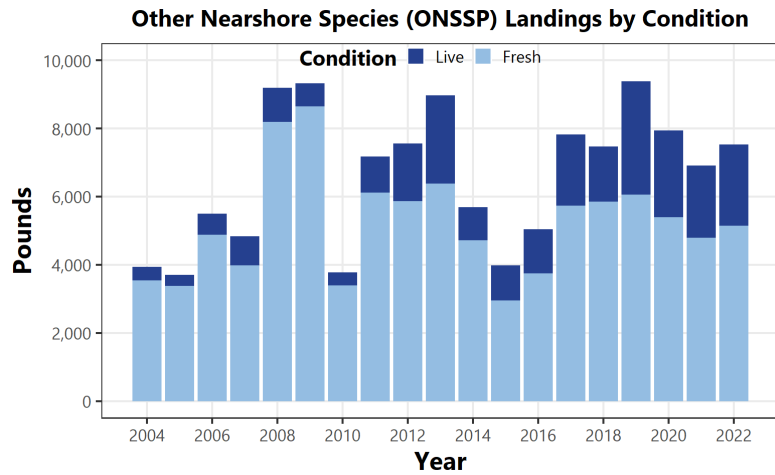


Figure 58. Other Nearshore Species landings (pounds) by year and condition.

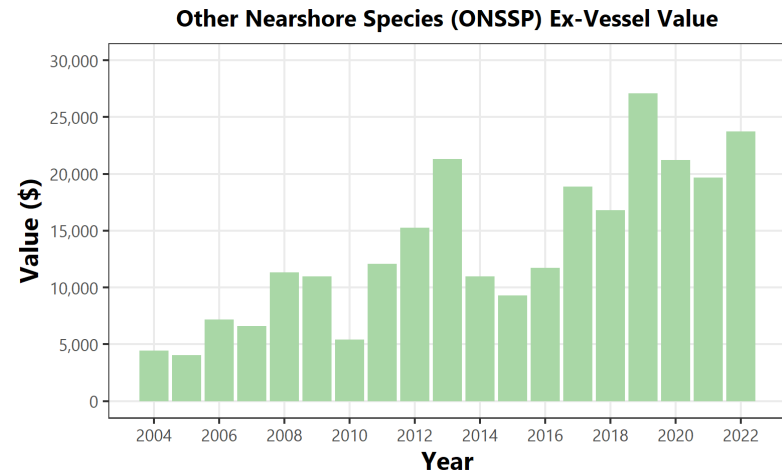


Figure 59. Other Nearshore Species average ex-vessel value (\$) by year.

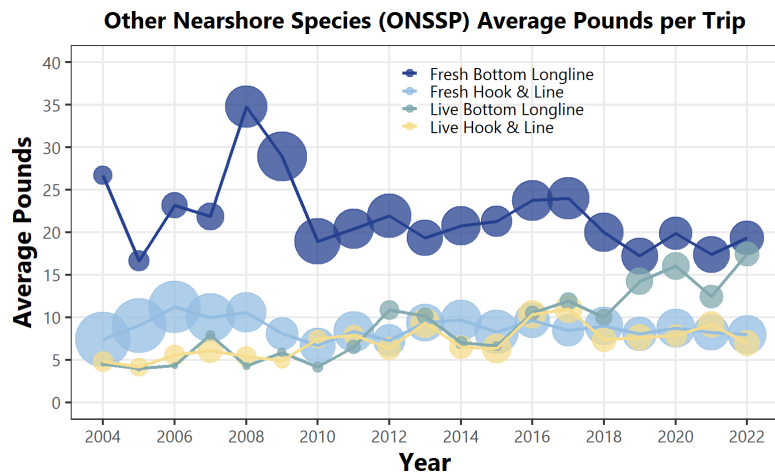


Figure 60. Average pounds landed per trip for Other Nearshore Species by year, gear type, and market condition. Bubble size is weighted by the percentage of pounds landed by each sector.

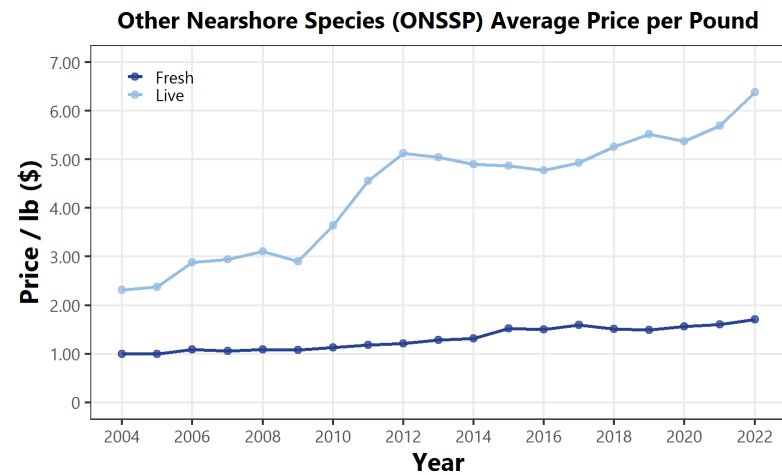


Figure 61. Other Nearshore Species average ex-vessel price per pound by year and market condition.

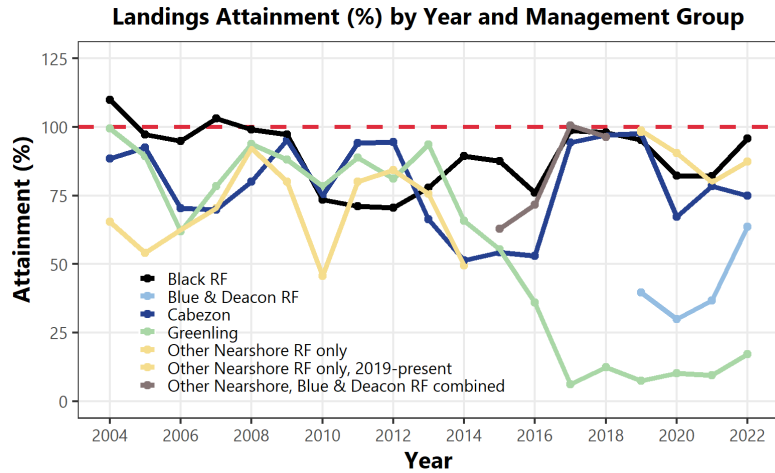


Figure 62. Percent attainment of harvest quota by management group through time. Management quotas have been landing caps and harvest guidelines. Percentages here represent total pounds landed divided by values found in Table 2 and Appendix A.

Appendices

Appendix A. Annual landing caps, harvest caps, and Harvest Guidelines (HGs) for state management groups for 2004 - 2020. Where applicable, harvest caps are indicated in footnotes. Harvest guidelines replaced landing and harvest caps beginning in 2015. 2019 was the first year for a Blue and Deacon Rockfish only HG.

Year	Black & Blue Rockfish	Other Nearshore Rockfish	Cabezon	Greenling
2004	111.9 (108.0) ¹	16.0 ²	31.3	23.4
2005	108.7 (104.8) ¹	13.5 ²	31.3	23.4
2006	106.5 (102.5) ¹	13.5 ²	31.3	23.4
2007	104.6 (100.6) ¹	12.0	31.3	23.4
2008³	104.6 (100.6) ¹	12.0	31.3	23.4
2009	141.9 (137.9) ^{1,4}	14.3	31.3	23.4
2010	141.9 (137.9) ^{1,4}	14.3	31.3	23.4
2011	141.9 (137.9) ^{1,4}	14.3	31.3	23.4
2012	141.9 (137.9) ^{1,4}	14.3	30.5 ⁵	23.4
2013	141.9 (137.9) ^{1,4}	14.3	30.0 ⁶	23.4
2014	141.9 (137.9) ^{1,4}	14.3	30.0 ⁶	23.4

¹values in parentheses are landing caps for Black Rockfish, alone.

²includes Vermilion and Tiger rockfishes.

³first year both harvest caps were implemented; prior harvest cap equaled landing cap.

⁴harvest cap of 139.2 mt for Black Rockfish, alone.

⁵harvest cap of 30.8 mt.

⁶harvest cap of 30.2 mt.

Year	Black Rockfish	Blue, Deacon & Other Nearshore Rockfish, combined	Cabezon	Greenling	Other Nearshore Species
2015	139.2	10.4	30.2	23.4	N/A
2016	139.2	10.4	30.2	23.4	N/A
2017	126.3	13.0	30.2	169.9	N/A
2018	124.8	12.9	30.2	144.3	N/A

Year	Black Rockfish	Blue & Deacon Rockfish	Other Nearshore Rockfish	Cabezon	Greenling	Other Nearshore Species
2019	123.8	18.9	12.3	30.2	128.5	N/A
2020	122.9	18.3	12.2	30.2	118.3	N/A

Appendix B. History of bimonthly period trip limits (pounds) set by the Oregon Fish and Wildlife Commission and implemented by the Oregon Department of Fish and Wildlife for the commercial nearshore fishery. Initial season limits set for each period at the beginning of the year are in normal text without parentheses. In-season changes effective for each period are dated with amended limits in parentheses. Dates with multiple increases listed on a single day indicate the bimonthly limit was increased multiple times throughout the year with the same effective date. The last entry in the table for that date is the final trip limit for the period. A dash indicates no change. RF = Rockfish.

Table B1. 2020 bimonthly period trip limits (pounds).

Period	Black RF	Blue/Deacon RF	Other Nearshore RF	Cabezon	Greenling
Period 1	1,500	1,500	450	1,000	1,000
Period 2	1,500	1,500	450	1,000	1,000
Period 3	1,800	1,500	450	1,000	1,000
Period 4	1,800	1,500	450	1,000	1,000
<i>Jul 5</i>	(2,400)	-	-	-	-
Period 5	1,500	1,500	450	1,000	1,000
<i>Sep 1</i>	(2,100)	-	-	-	-
<i>Sep 1</i>	(2,700)	-	-	(2,000)	-
<i>Oct 23</i>	-	-	(15/day: 450/period)	-	-
Period 6	1,500	1,500	450	1,000	1,000
<i>Nov 1</i>	(2,100)	-	-	-	-
<i>Nov 1</i>	(2,700)	-	(15/day: 45/period)	(2,000)	-

Table B2. 2019 bimonthly period trip limits (pounds).

Period	Black RF	Blue/Deacon RF	Other Nearshore RF	Cabezon	Greenling
Period 1	1,500	1,500	450	1,000	1,000
Period 2	1,500	1,500	450	1,000	1,000
Period 3	1,800	1,500	450	1,000	1,000
Period 4	1,800	1,500	450	1,000	1,000
<i>Jul 5</i>	(2,400)	-	(600)	-	-
Period 5	1,500	1,500	450	1,000	1,000
<i>Sep 1</i>	(2,400)	-	(600)	-	-
Period 6	1,500	1,500	450	1,000	1,000
<i>Nov 1</i>	(2,100)	-	(600)	-	-
<i>Dec 12</i>	-	-	-	(30/day; 1,000/period)	-

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table B3. 2018 bimonthly period trip limits (pounds).

Period	Black RF	Blue/Deacon RF	Other Nearshore RF	Cabazon	Greenling
Period 1	1,500	300	450	2,500	800
Period 2	1,500	300	450	2,500	800
Period 3	1,800	300	450	2,500	800
<i>May 1</i>	1,500	100	250	1,500	-
Period 4	1,800	300	450	2,000	800
<i>Jul 5</i>	(2,400)	(100)	(250)	(500)	-
Period 5	1,500	300	450	2,000	600
<i>Sep 1</i>	(2,100)	(100)	(250)	(500)	-
<i>Oct 5</i>	-	-	-	(15/day; 500/period)	-
Period 6	1,500	300	450	2,000	600
<i>Nov 1</i>	(2,100)	(100)	(250)	(15/day; 45/period)	-

Table B4. 2017 bimonthly period trip limits (pounds).

Period	Black RF	Blue/Deacon RF	Other Nearshore RF	Cabazon	Greenling
Period 1	1,200	300	450	2,000	600
Period 2	1,500	300	450	2,000	600
Period 3	1,800	300	450	2,000	600
Period 4	1,800	300	450	2,000	600
<i>Jul 5</i>	(2,400)	-	-	-	-
Period 5	1,500	300	450	2,000	600
<i>Sep 1</i>	(2,100)	-	-	-	-
Period 6	1,200	300	450	2,000	600
<i>Nov 1</i>	(1,800)	-	-	-	-

Table B5. 2016 bimonthly period trip limits (pounds).

Period	Black RF	Blue RF	Other Nearshore RF	Cabazon	Greenling
Period 1	1,200	30	200	2,000	600
Period 2	1,400	30	200	2,000	600
Period 3	1,700	30	200	2,000	600
Period 4	1,600	30	200	2,000	600
<i>Jul 5</i>	(2,400)	(50)	(350)	-	-
Period 5	1,400	30	200	2,000	600
<i>Sep 1</i>	(2,200)	(450)	-	-	-
Period 6	1,000	30	200	2,000	600
<i>Nov 1</i>	(1,800)	(450)	-	-	-

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table B6. 2015 bimonthly period trip limits (pounds). Blue and Deacon Rockfish had a separate trip limit beginning this year.

Period	Black RF	Blue RF	Other Nearshore RF	Cabezon	Greenling
Period 1	1,200	15	100	1,500	300
Period 2	1,400	15	100	1,500	300
Period 3	1,700	15	100	1,500	300
Period 4	1,600	15	100	1,500	300
<i>Jul 5</i>	(1,800)	-	-	-	(400)
Period 5	1,400	15	100	1,500	300
<i>Sep 1</i>	(1,600)	(50)	(300)	-	(400)
Period 6	1,000	15	100	1,500	300
<i>Nov 1</i>	(1,200)	(50)	(300)	-	(400)

Table B7. 2014 bimonthly period trip limits (pounds).

Period	Black & Blue RF	Other Nearshore RF	Cabezon	Greenling
Period 1	1,000	700	1,500	300
Period 2	1,200	700	1,500	300
Period 3	1,700	700	1,500	300
Period 4	1,600	700	1,500	300
<i>Aug 1</i>	(2,100)	-	-	-
Period 5	1,200	700	1,500	300
<i>Sep 1</i>	(2,100)	-	-	-
<i>Oct 9</i>	-	-	-	(350)
Period 6	1,000	700	1,500	300
<i>Nov 1</i>	(1,800)	-	-	(350)

Table B8. 2013 bimonthly period trip limits (pounds).

Period	Black & Blue RF	Other Nearshore RF	Cabezon	Greenling
Period 1	1,000	700	1,500	300
Period 2	1,200	700	1,500	300
Period 3	1,700	700	1,500	300
Period 4	1,600	700	1,500	300
Period 5	1,200	700	1,500	300
<i>Sep 1</i>	(2,100)	-	(2,000)	-
Period 6	1,000	700	1,500	300
<i>Nov 1</i>	(1,800)	-	(2,000)	-

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table B9. 2012 bimonthly period trip limits (pounds).

Period	Black & Blue RF	Other Nearshore RF	Cabezon	Greenling
Period 1	800	700	1,500	250
Period 2	1,000	700	1,500	250
Period 3	1,400	700	1,500	250
<i>Jun 1</i>	(1,800)	-	-	-
Period 4	1,400	700	1,500	250
<i>Jul 1</i>	(1,800)	-	-	-
Period 5	1,000	700	1,500	250
<i>Sep 1</i>	(2,100)	-	-	(400)
Period 6	800	700	1,500	250
<i>Nov 1</i>	(2,100)	-	(100)	(400)

Table B10. 2011 bimonthly period trip limits (pounds).

Period	Black & Blue RF	Other Nearshore RF	Cabezon	Greenling
Period 1	800	700	1,500	250
Period 2	1,000	700	1,500	250
Period 3	1,400	700	1,500	250
Period 4	1,400	700	1,500	250
<i>Jul 5</i>	(1,600)	-	-	-
Period 5	1,000	700	1,500	250
<i>Sep 1</i>	(1,200)	-	-	-
<i>Sep 15</i>	(1,400)	-	-	-
Period 6	800	700	1,500	250
<i>Nov 1</i>	(1,000)	-	-	-
<i>Nov 1</i>	(1,200)	-	-	-

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table B11. 2010 bimonthly period trip limits (pounds).

Period	Black & Blue RF	Other Nearshore RF	Cabezon	Greenling
Period 1	800	700	1,500	250
Period 2	1,000	700	1,500	250
Period 3	1,400	700	1,500	250
Period 4	1,400	700	1,500	250
<i>Aug 1</i>	(1,600)	-	-	(300)
Period 5	1,000	700	1,500	250
<i>Sep 1</i>	(1,200)	-	(1,600)	(300)
<i>Oct 15</i>	(1,400)	-	(Closed)	(350)
Period 6	800	700	1,500	250
<i>Nov 1</i>	(1,200)	-	(1,600)	(350)

Table B12. 2009 bimonthly period trip limits (pounds).

Period	Black & Blue RF	Other Nearshore RF	Cabezon	Greenling
Period 1	800	700	2,500	450
Period 2	1,000	700	2,500	450
<i>Mar 1</i>	-	-	-	(250)
Period 3	1,600	700	2,500	450
<i>May 1</i>	-	-	-	(250)
Period 4	1,600	700	2,500	450
<i>Jul 1</i>	-	-	-	(250)
<i>Jul 1</i>	-	-	(1,250)	(150)
Period 5	1,200	700	2,500	450
<i>Oct 1</i>	-	-	(1,250)	(250)
<i>Oct 10</i>	(15/day; 1,200/month)	-	(Closed)	(150)
Period 6	1,000	700	2,500	450
<i>Nov 1</i>	-	-	-	(250)
<i>Nov 1</i>	(15/day; 400/month)	-	(Closed)	(150)

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table B13. 2008 bimonthly period trip limits (pounds).

Period	Black & Blue RF	Other Nearshore RF	Cabezon	Greenling
Period 1	600	700	2,500	450
Period 2	800	700	2,500	450
Period 3	1,600	700	2,500	450
Period 4	1,600	700	2,500	450
<i>Jul 1</i>	(1,200)	-	-	-
Period 5	1,600	700	2,500	450
<i>Oct 1</i>	(1,000)	-	-	-
<i>Oct 2</i>	(15/day; 1,000/month)	-	-	-
Period 6	800	700	2,500	450
<i>Nov 1</i>	(15/day; 200/month)	-	-	-

Table B14. 2007 bimonthly period trip limits (pounds).

Period	Black & Blue RF	Other Nearshore RF	Cabezon	Greenling
Period 1	600	600	2,000	400
Period 2	800	600	2,000	400
Period 3	1,600	600	2,000	400
Period 4	1,600	600	2,000	400
Period 5	1,600	600	2,000	400
<i>Sep 1</i>	(2,000)	(700)	(4,000)	(800)
Period 6	800	600	2,000	400
<i>Nov 1</i>	(15/day; 800/month)	(700)	(4,000)	(800)
<i>Nov 28</i>	(Closed)	(Closed)	(Closed)	(Closed)

Table B15. 2006 monthly period trip limits (pounds).

Period	Black & Blue RF	Other Nearshore RF¹	Cabazon	Greenling
January	300	200	1,000	100
February	300	200	1,000	100
March	600	200	1,000	100
April	600	200	1,000	100
May	600	200	1,000	100
June	600	200	1,000	100
July	600	200	1,000	100
<i>Jul 1</i>	(700)	(300)	(1,750)	(200)
August	600	200	1,000	100
<i>Aug 11</i>	(1,400)	(350)	(2,000)	(400)
September	300	200	1,000	100
<i>Sep 1</i>	(1,400)	(350)	(2,000)	(400)
October	300	200	1,000	100
<i>Oct 1</i>	(600)	(350)	(2,000)	(400)
November	250	200	1,000	100
<i>Nov 1</i>	-	(350)	(2,000)	(400)
December	250	200	1,000	100
<i>Dec 1</i>	-	(350)	(2,000)	(400)

¹ - sub-limit of Black & Blue RF; included Vermilion and Tiger RF

The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

Table B16. 2005 bimonthly period trip limits (pounds).

Period	Black & Blue RF	Other Nearshore RF¹	Cabezon	Greenling
Period 1	1,000	700	1,500	250
Period 2	1,000	700	1,500	250
Period 3	1,500	700	2,500	450
<i>May 1</i>	-	-	-	(250)
Period 4	1,500	700	2,500	450
<i>Aug 1</i>	-	-	-	(250)
<i>Aug 4</i>	(700)	-	(1,250)	(150)
Period 5	800	700	2,500	450
<i>Sep 1</i>	(700)	(325)	-	(225)
<i>Sep 1</i>	-	-	-	(175)
<i>Oct 11</i>	-	(400)	-	-
Period 6	500	450	2,000	350
<i>Nov 1</i>	-	(325)	-	(225)
<i>Nov 1</i>	-	(400)	-	(175)
<i>Dec 1</i>	-	-	-	(275)

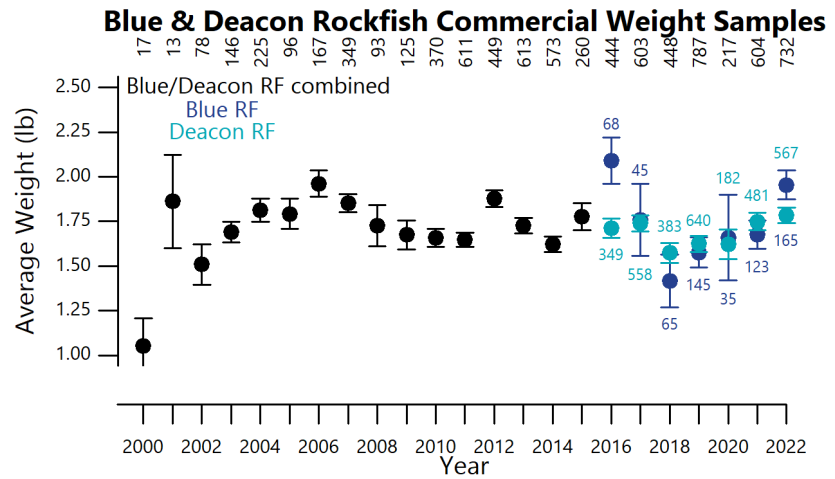
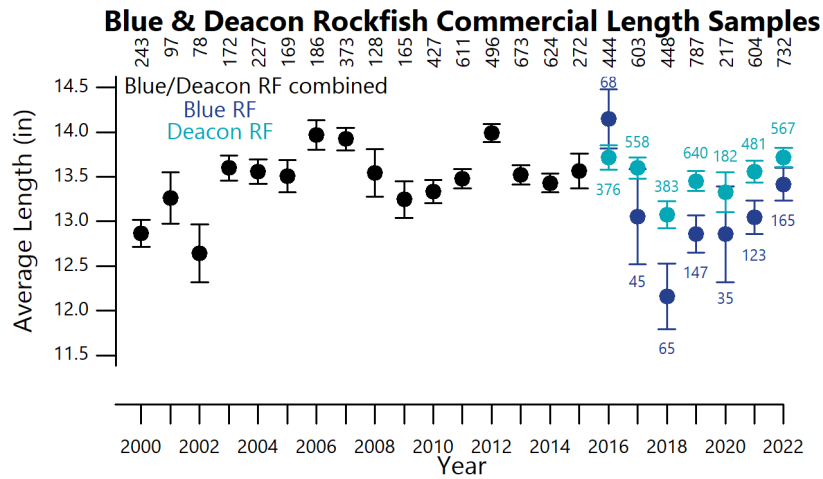
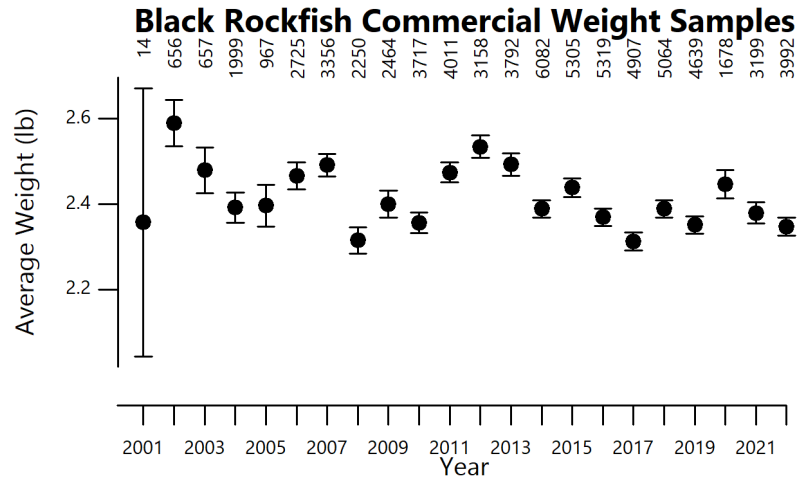
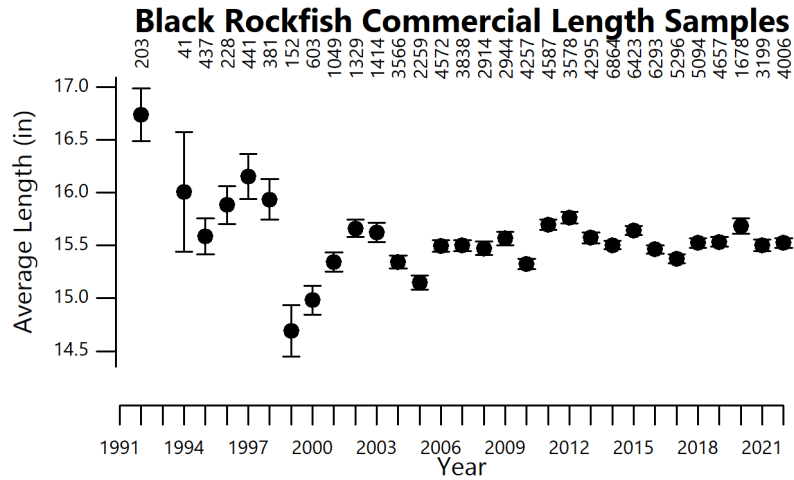
¹ - sub-limit of Black & Blue RF; included Vermilion and Tiger RF

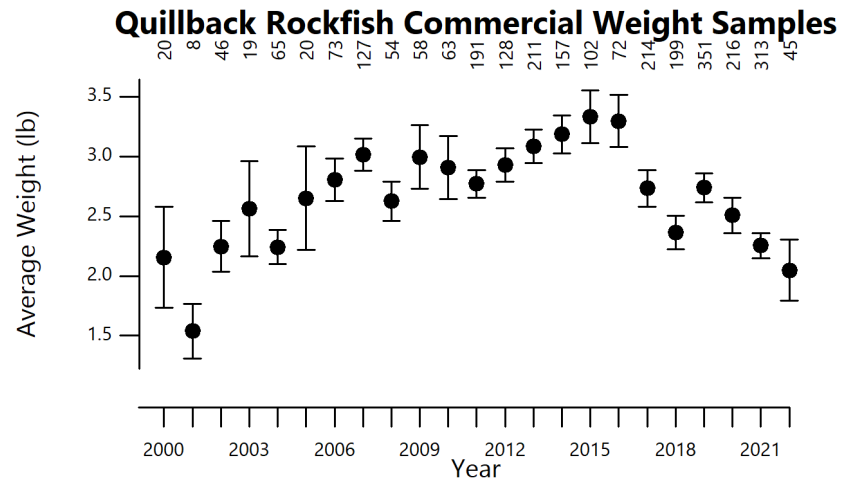
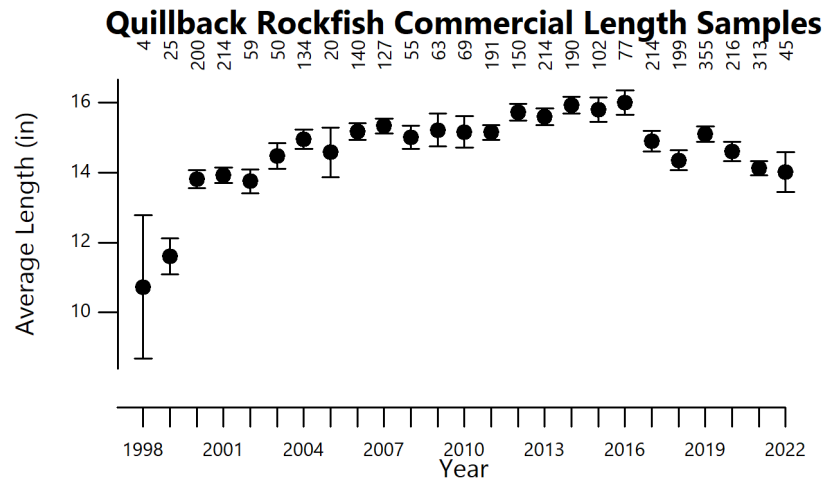
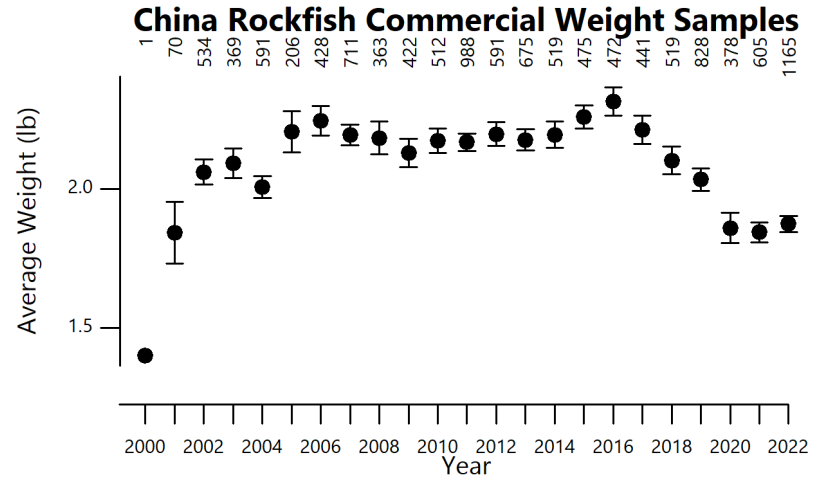
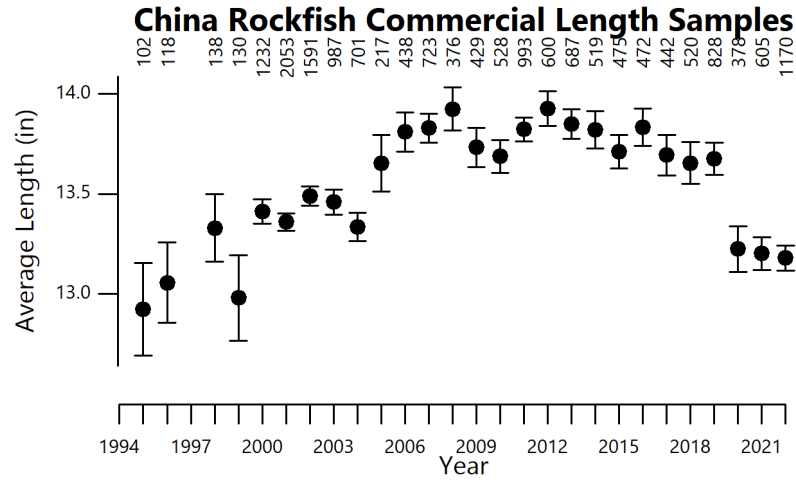
Table B17. 2004 bimonthly period trip limits (pounds).

Period	Black & Blue RF	Other Nearshore RF¹	Cabezon	Greenling
Period 1	3,000	900	2,000	350
Period 2	3,000	900	2,000	350
Period 3	3,000	900	2,000	350
Period 4	3,000	900	2,000	350
<i>Jul 27</i>	(1,500)	-	-	(600)
Period 5	3,000	900	2,000	250
<i>Sep 1</i>	(1,500)	-	-	(600)
<i>Sep 27</i>	(Closed)	(100)	-	(Closed)
Period 6	3,000	900	2,000	350
<i>Nov 1</i>	-	(Closed)	-	(Closed)

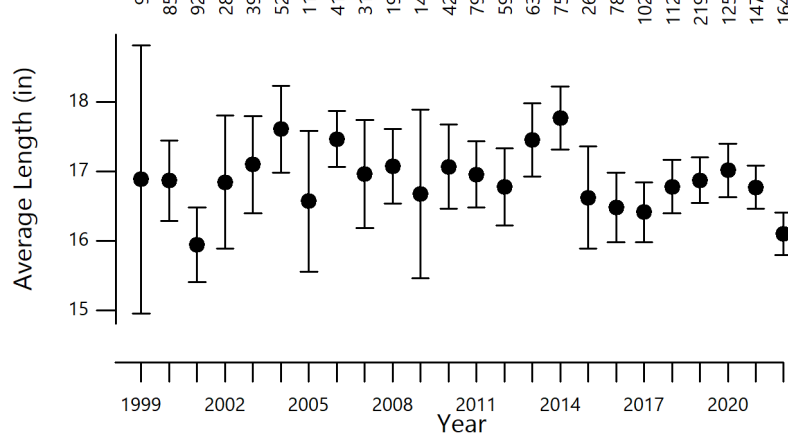
¹ - sub-limit of Black & Blue RF; included Vermilion and Tiger RF

Appendix C. Nearshore species commercial length and weight sample averages by year with sample sizes (top) and 95% confidence intervals.

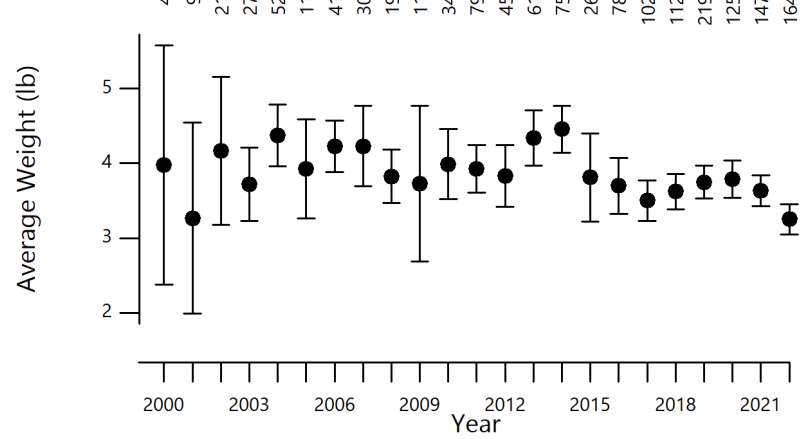




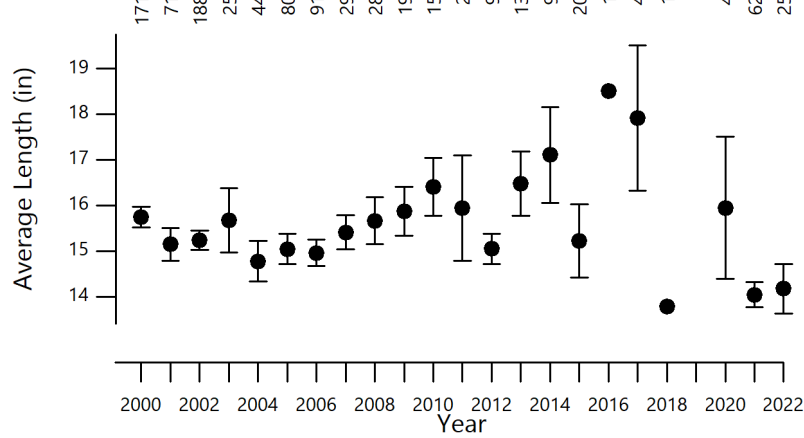
Copper Rockfish Commercial Length Samples



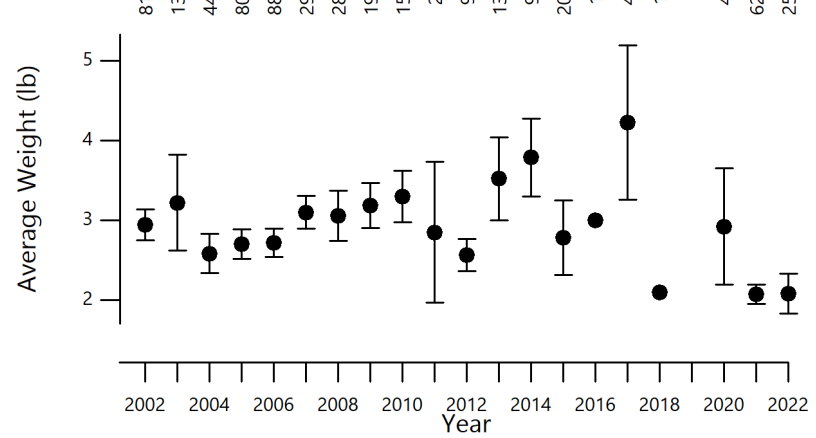
Copper Rockfish Commercial Weight Samples



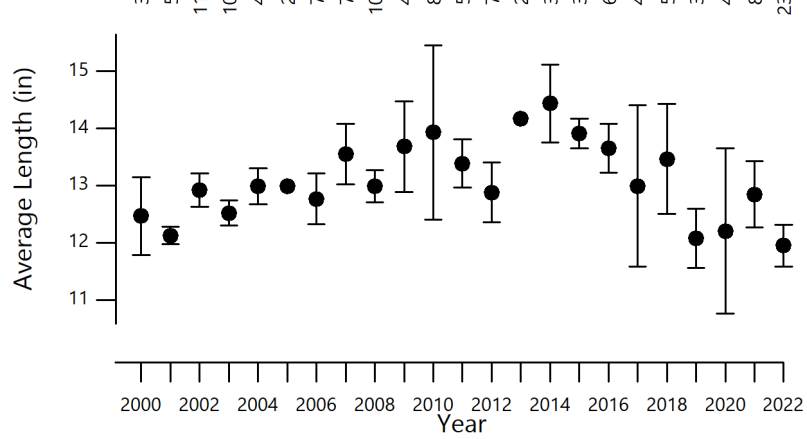
Grass Rockfish Commercial Length Samples



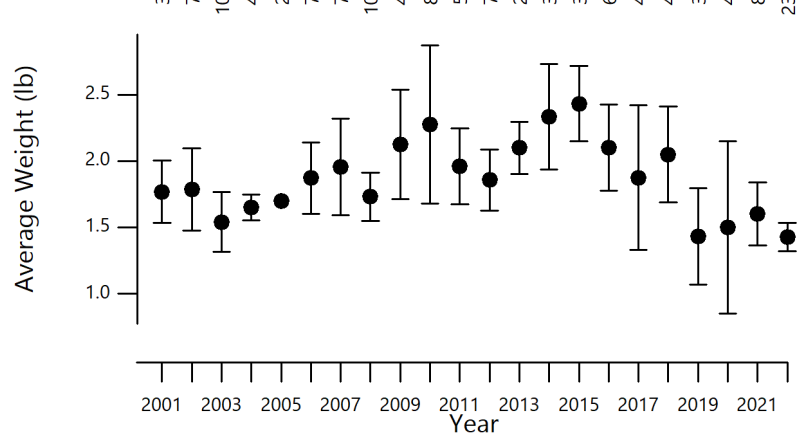
Grass Rockfish Commercial Weight Samples



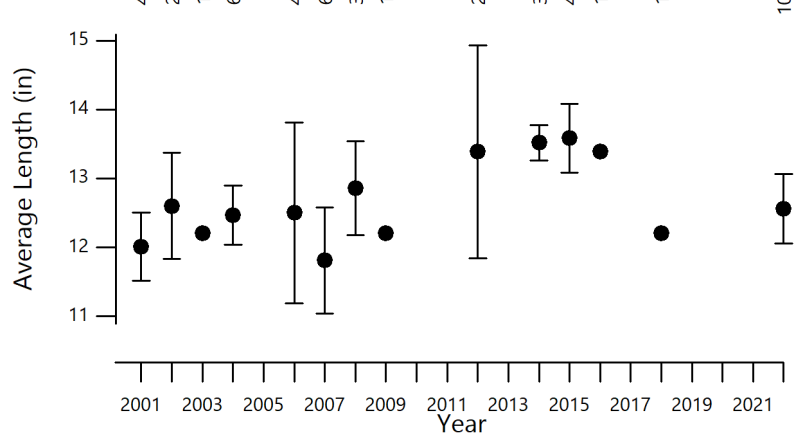
Gopher Rockfish Commercial Length Samples



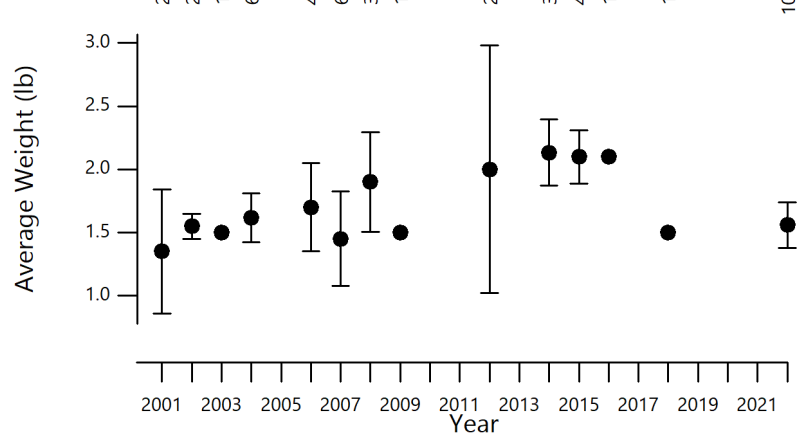
Gopher Rockfish Commercial Weight Samples

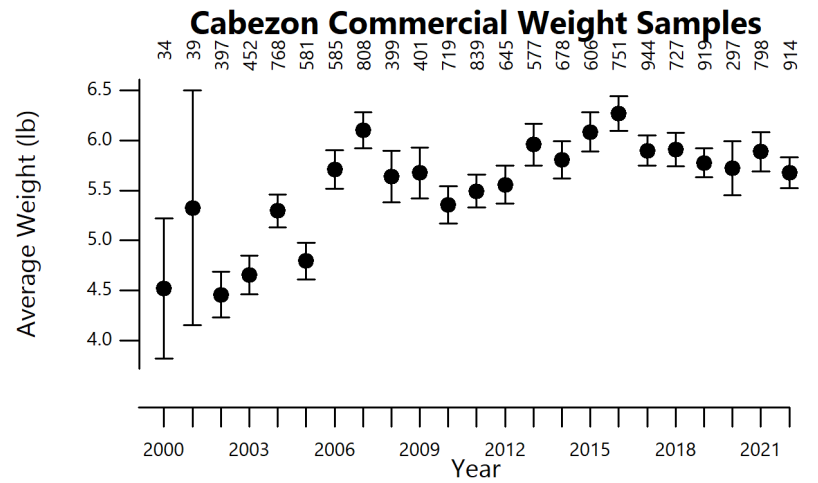
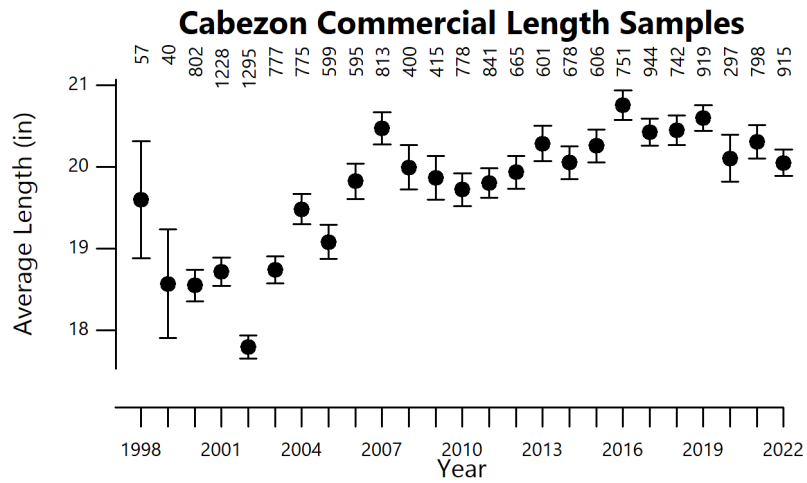
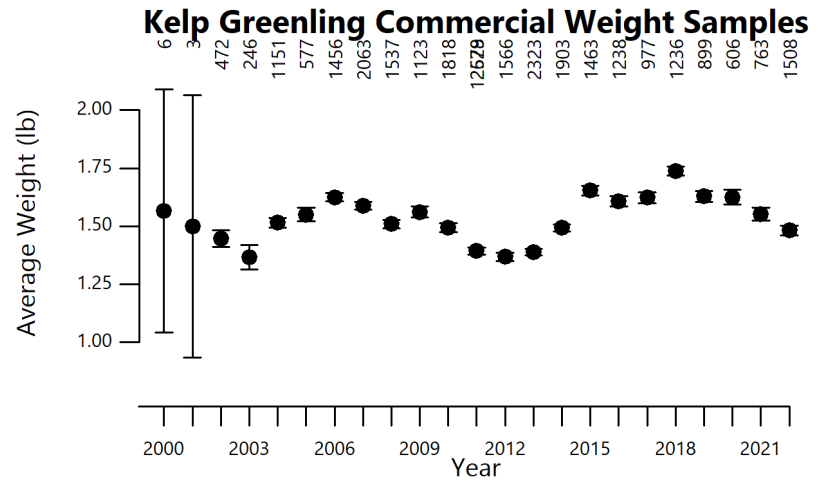
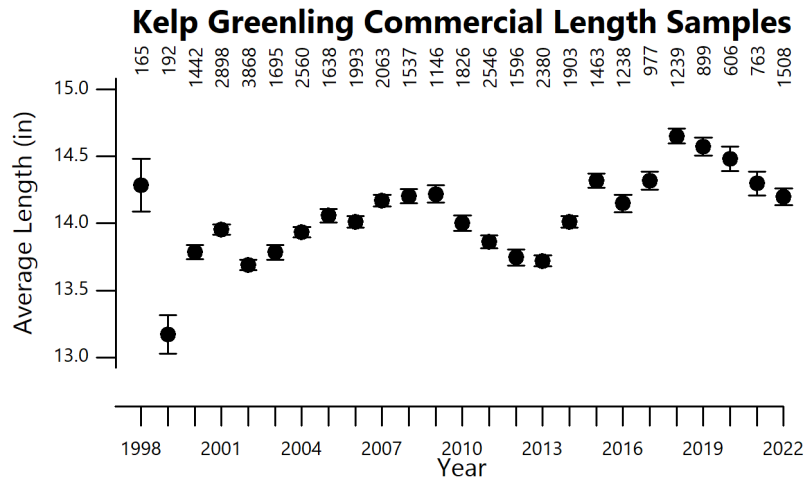


Black & Yellow Rockfish Commercial Length Samples

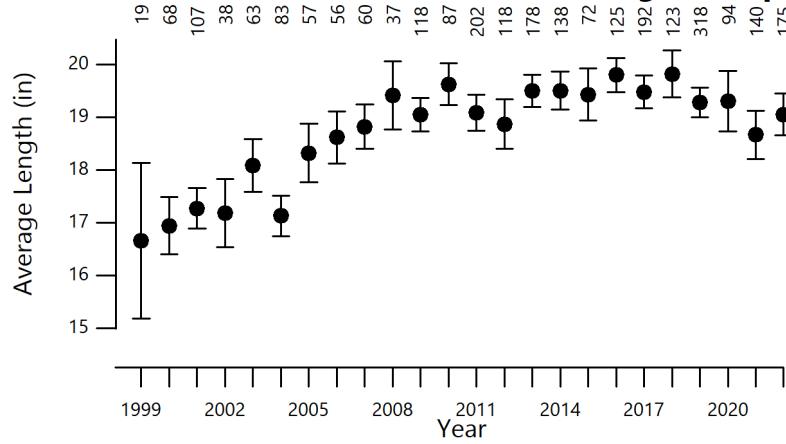


Black & Yellow Rockfish Commercial Weight Samples

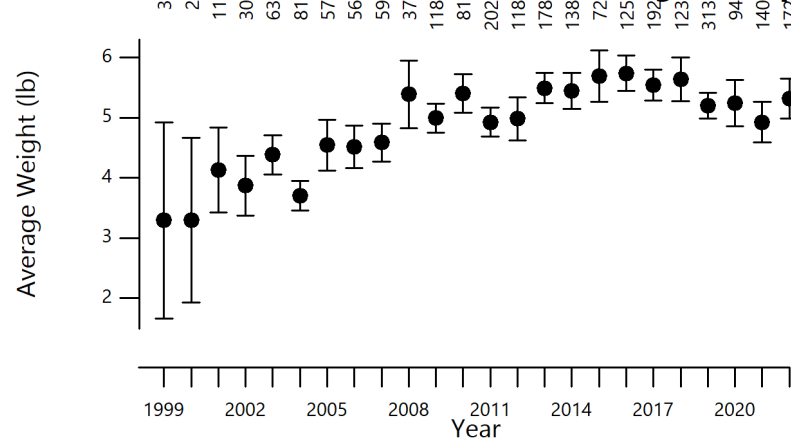




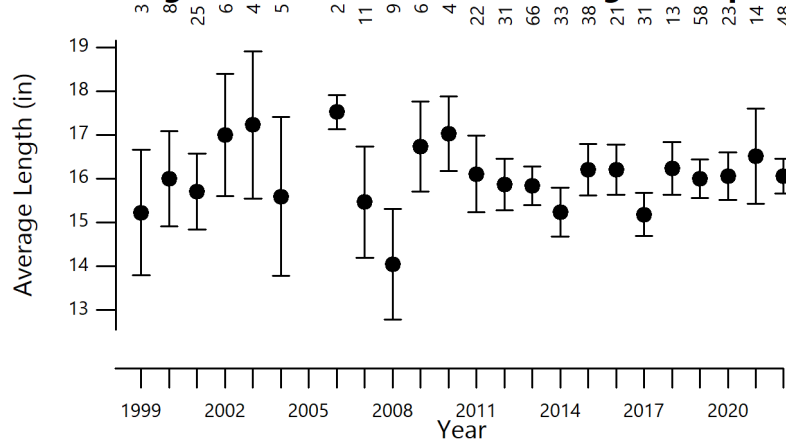
Vermilion Rockfish Commercial Length Samples



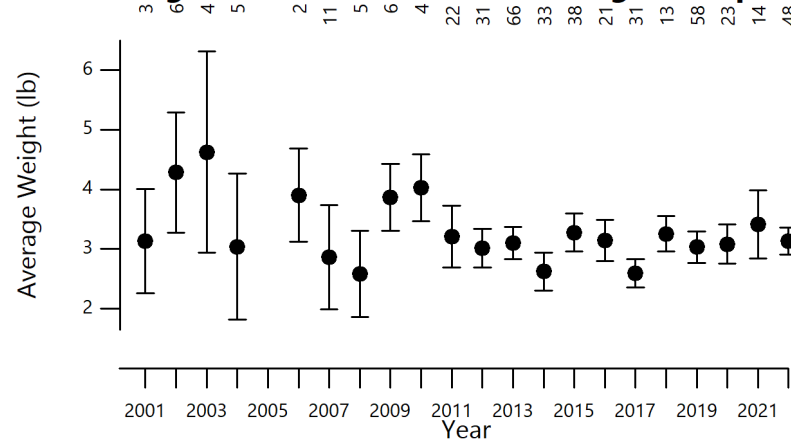
Vermilion Rockfish Commercial Weight Samples



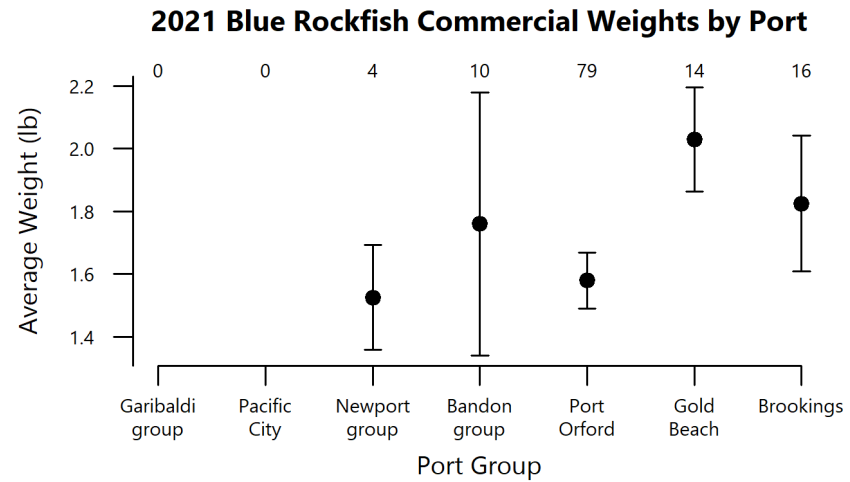
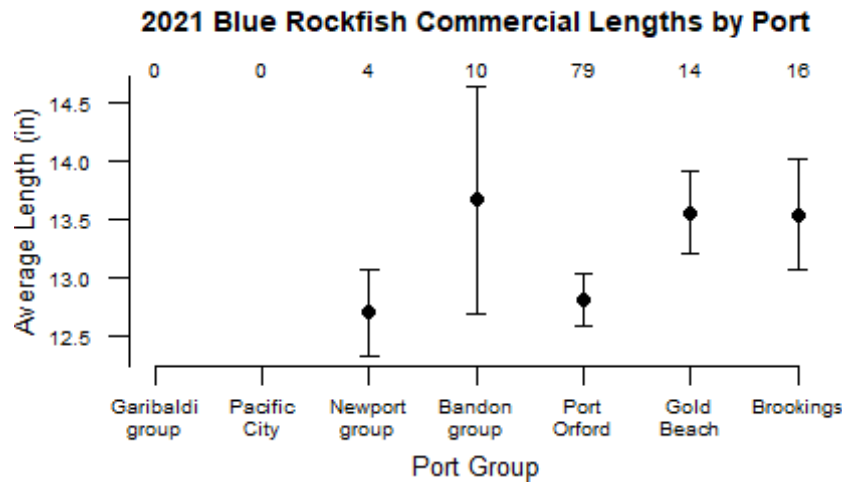
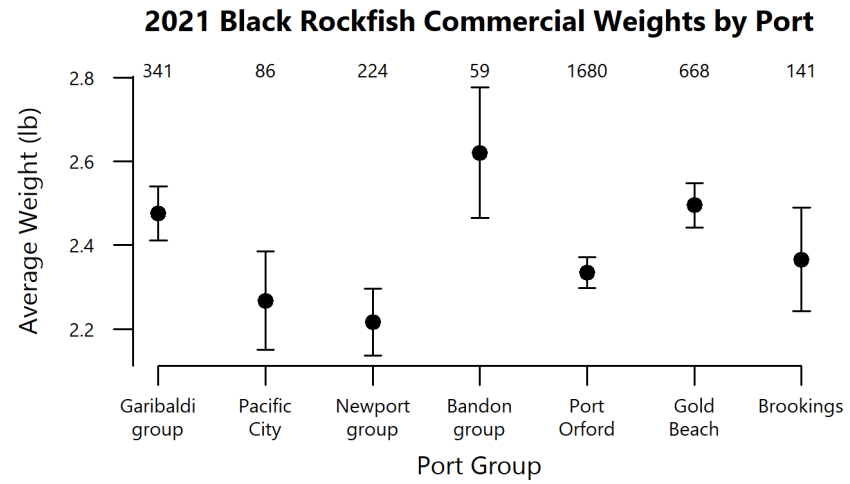
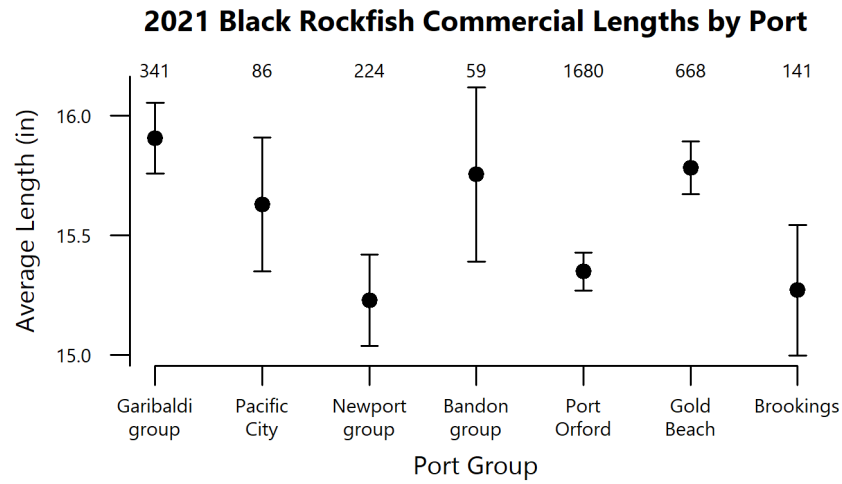
Tiger Rockfish Commercial Length Samples



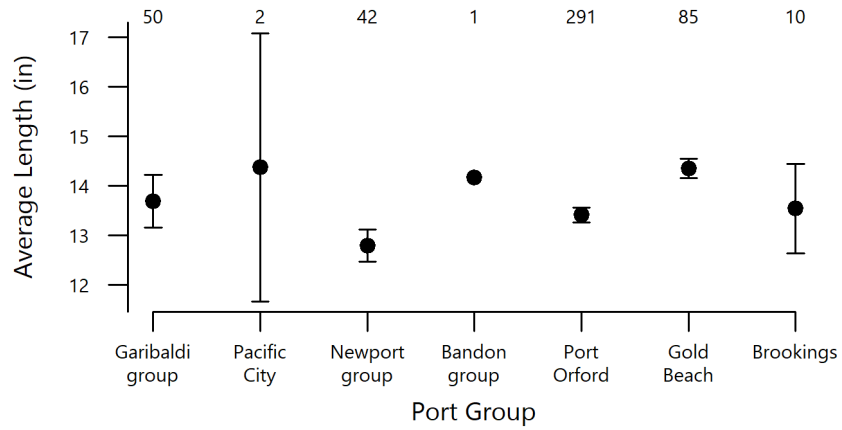
Tiger Rockfish Commercial Weight Samples



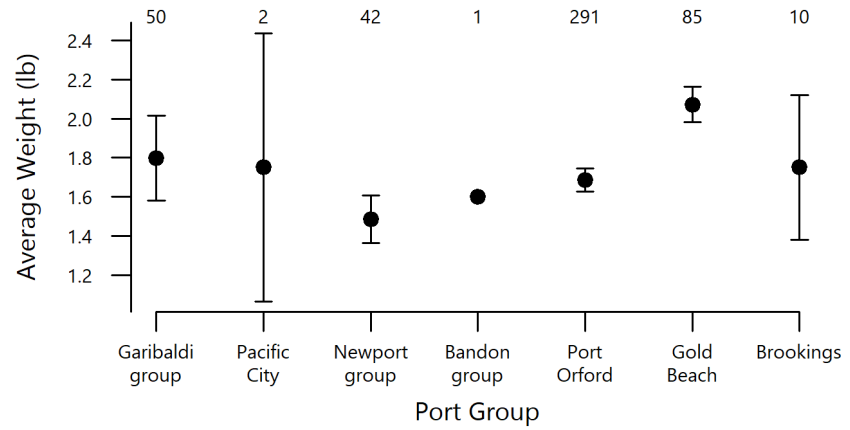
Appendix D. 2021 nearshore species commercial length and weight sample averages by port with sample sizes and 95% confidence intervals.



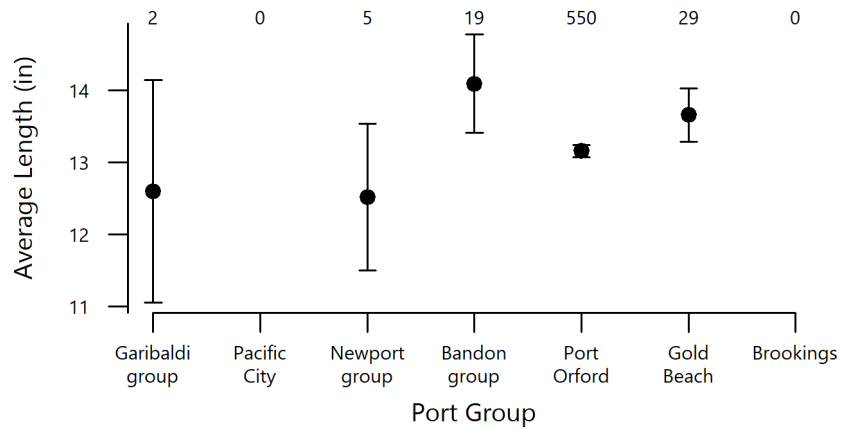
2021 Deacon Rockfish Commercial Lengths by Port



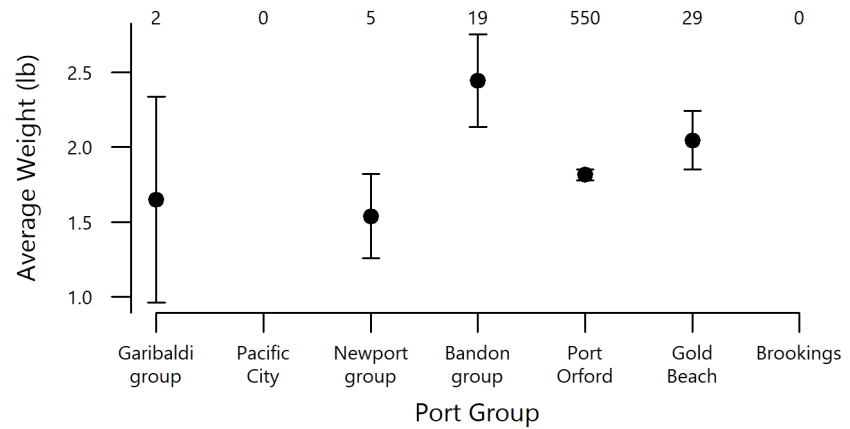
2021 Deacon Rockfish Commercial Weights by Port



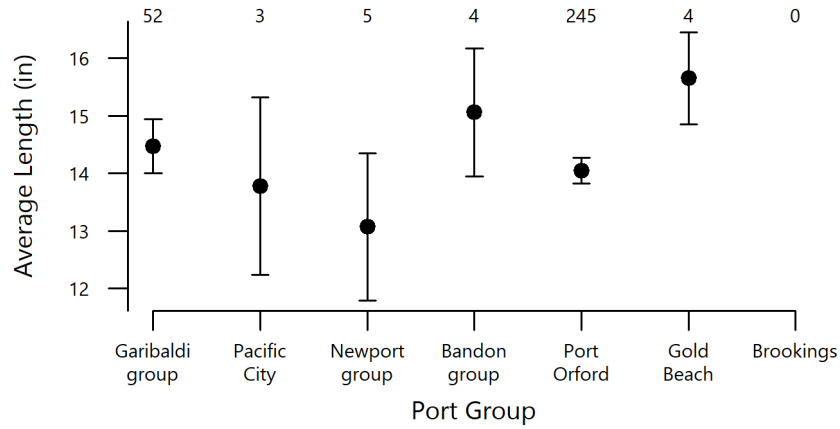
2021 China Rockfish Commercial Lengths by Port



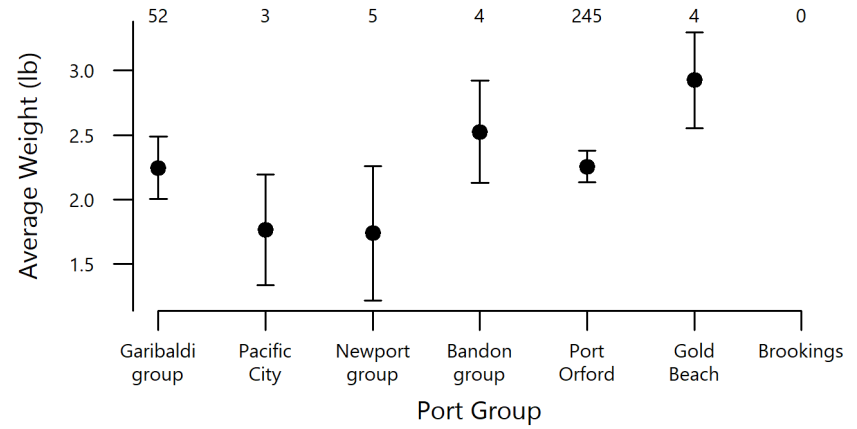
2021 China Rockfish Commercial Weights by Port



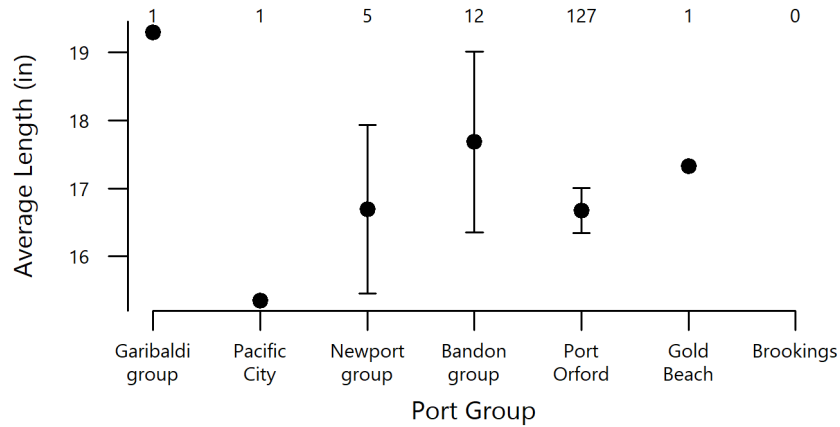
2021 Quillback Rockfish Commercial Lengths by Port



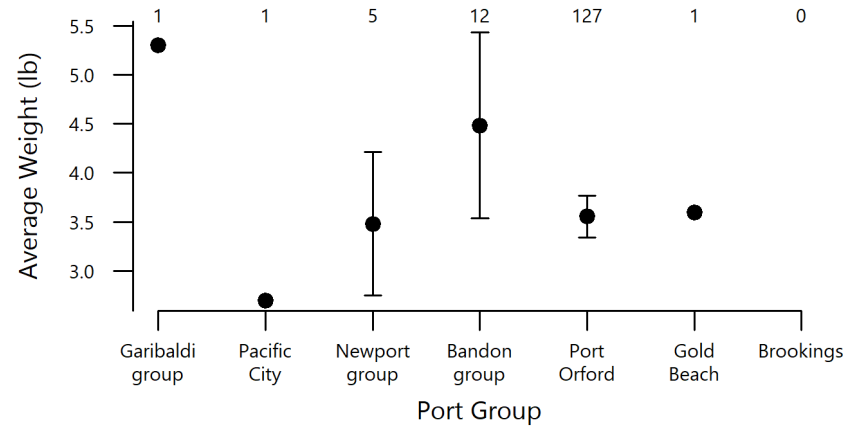
2021 Quillback Rockfish Commercial Weights by Port



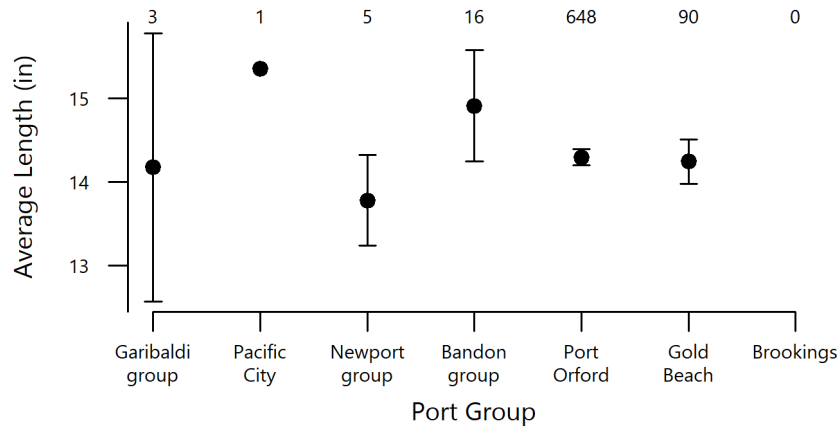
2021 Copper Rockfish Commercial Lengths by Port



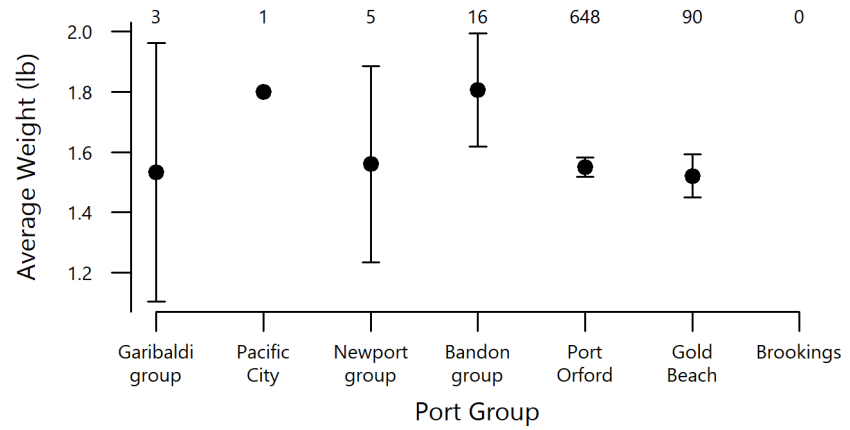
2021 Copper Rockfish Commercial Weights by Port



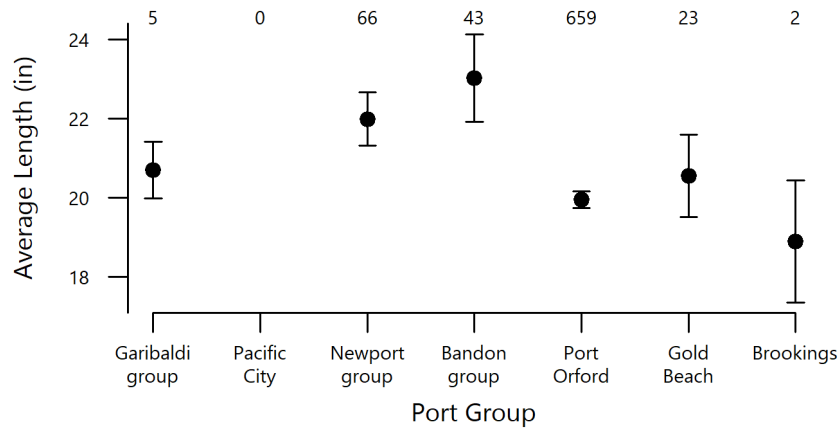
2021 Kelp Greenling Commercial Lengths by Port



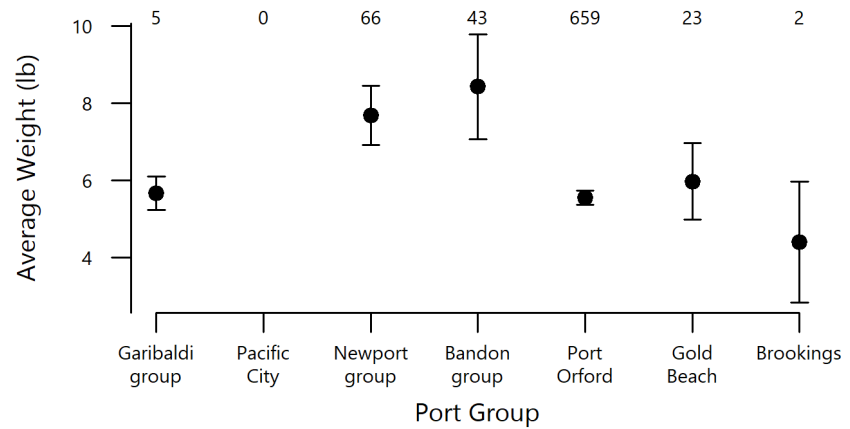
2021 Kelp Greenling Commercial Weights by Port



2021 Cabezon Commercial Lengths by Port

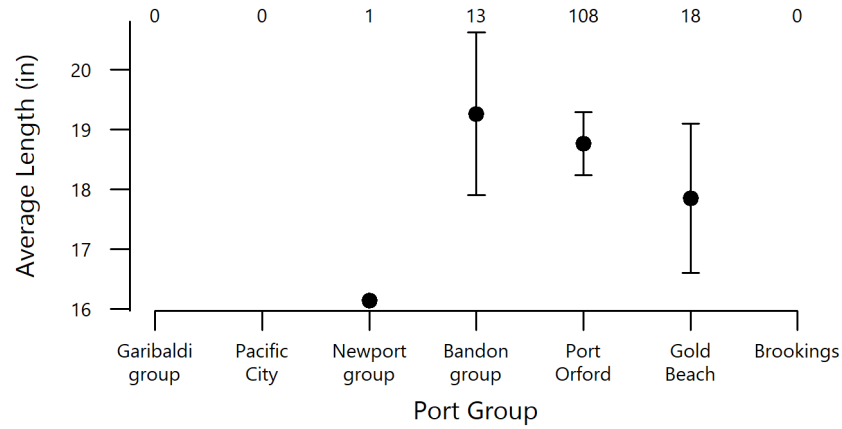


2021 Cabezon Commercial Weights by Port

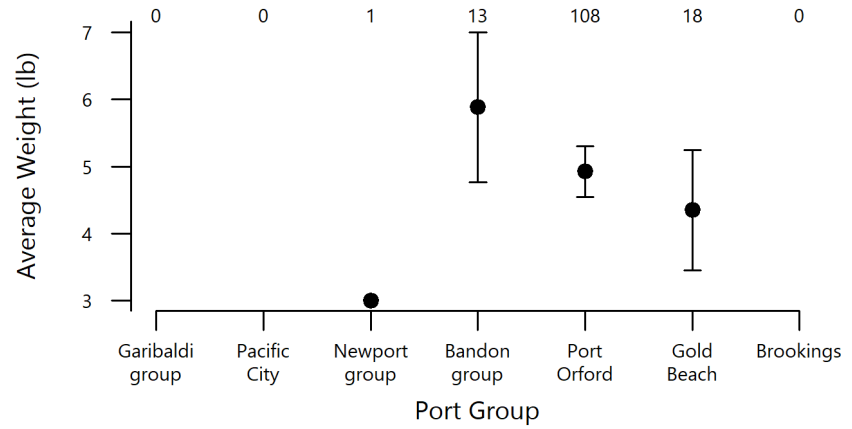


The Oregon Commercial Nearshore Fishery Data Update: 2021 & 2022

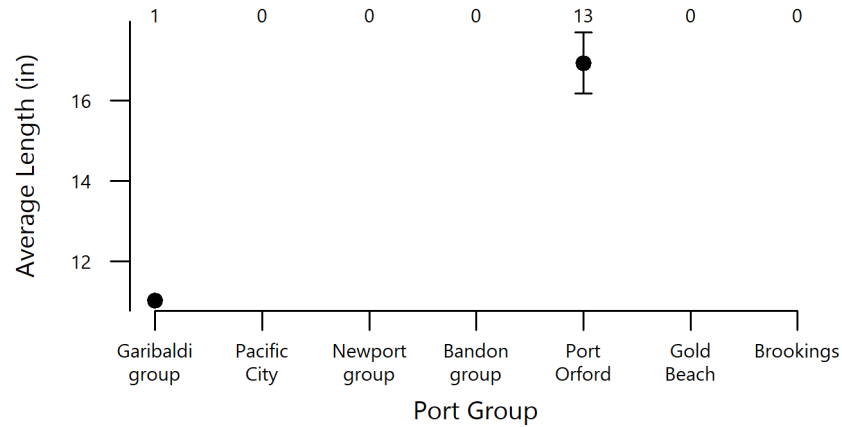
2021 Vermilion Rockfish Commercial Lengths by Port



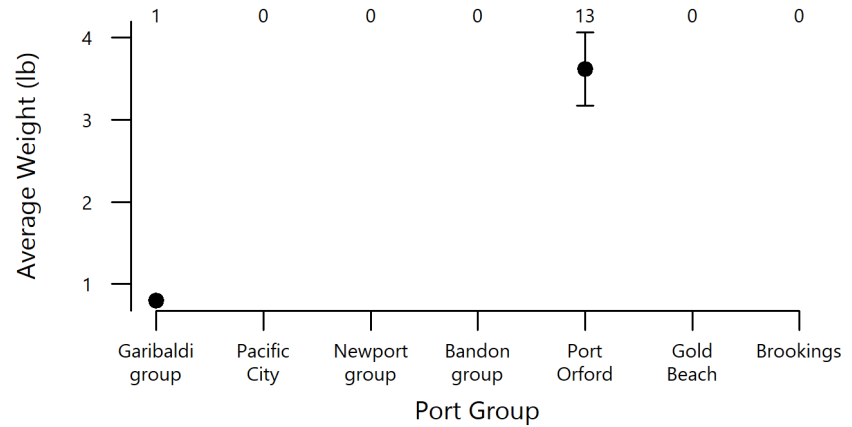
2021 Vermilion Rockfish Commercial Weights by Port



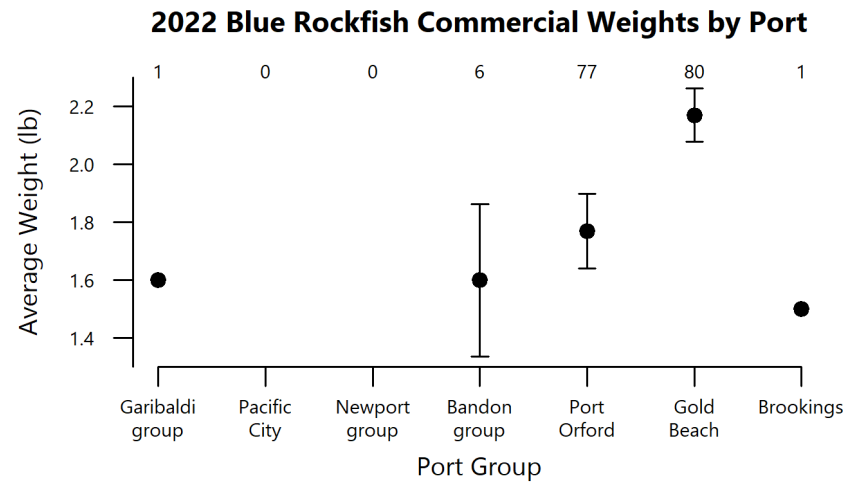
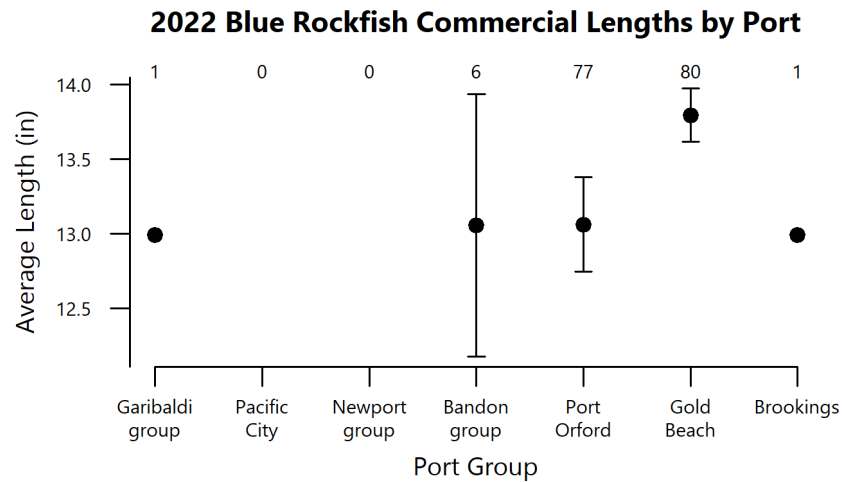
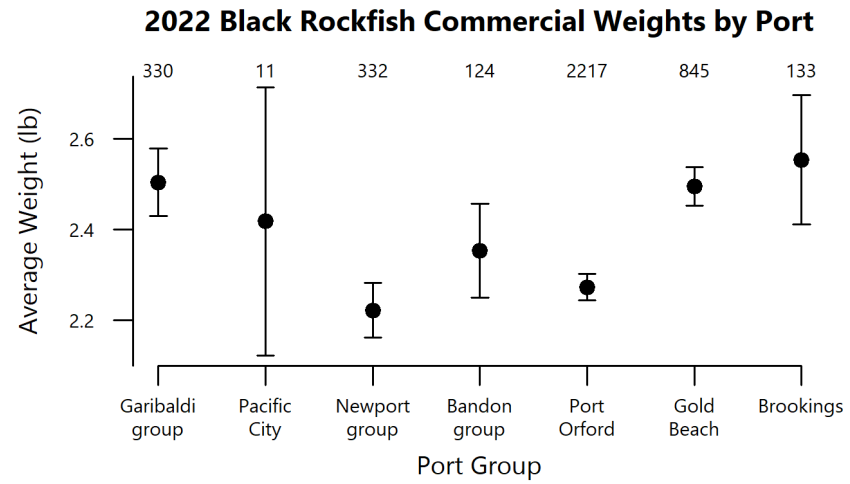
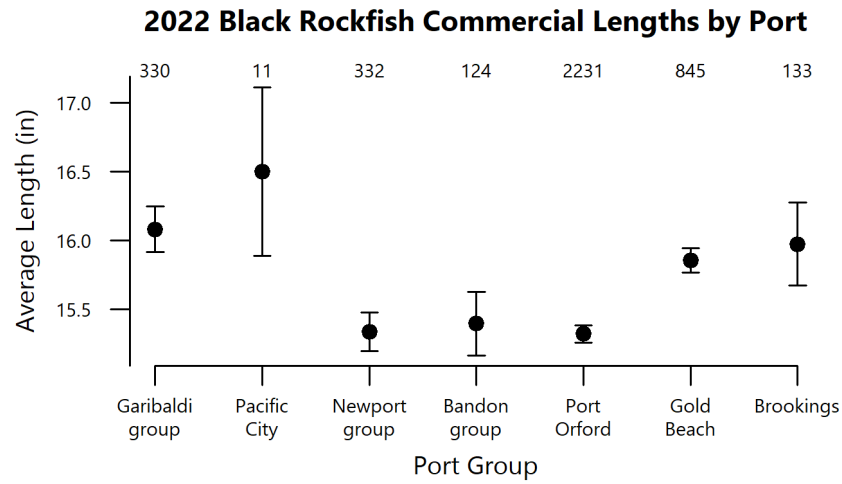
2021 Tiger Rockfish Commercial Lengths by Port



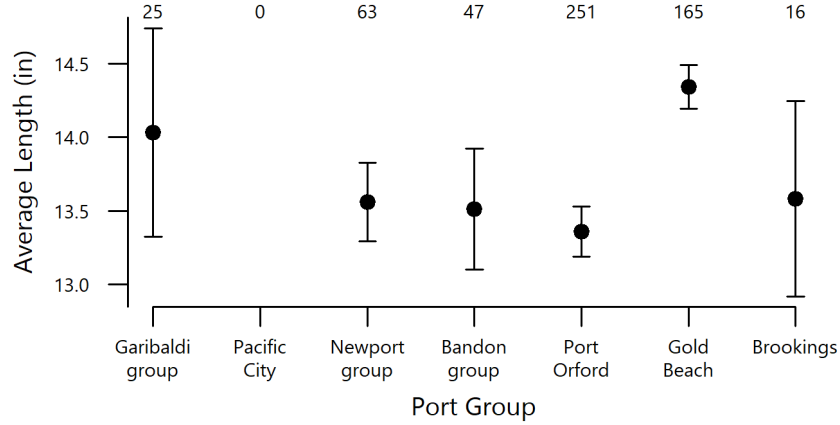
2021 Tiger Rockfish Commercial Weights by Port



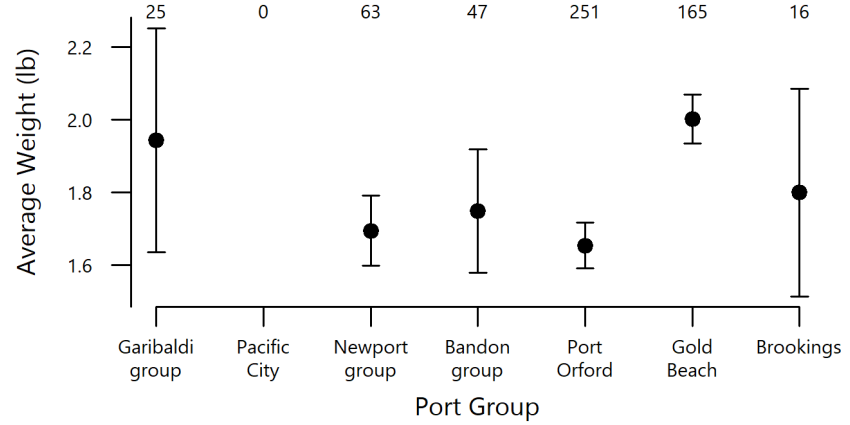
Appendix E. 2022 nearshore species commercial length and weight sample averages by port with sample sizes and 95% confidence intervals.



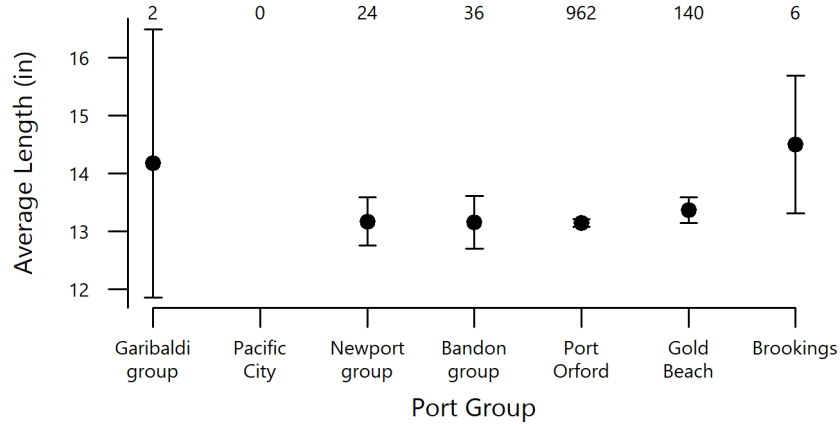
2022 Deacon Rockfish Commercial Lengths by Port



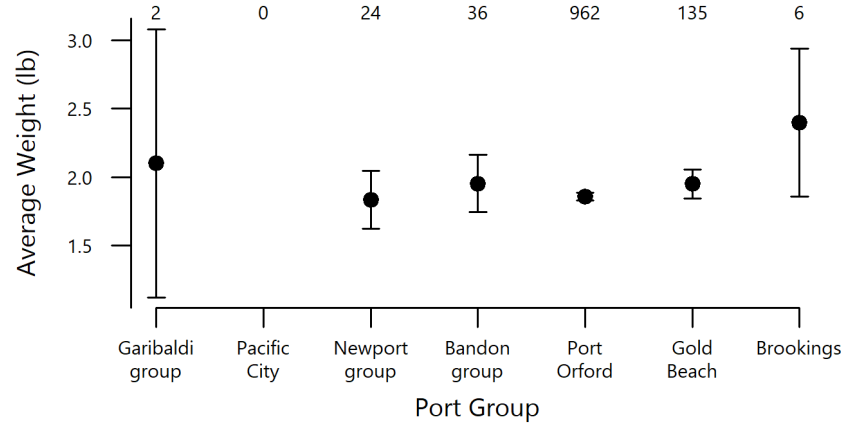
2022 Deacon Rockfish Commercial Weights by Port



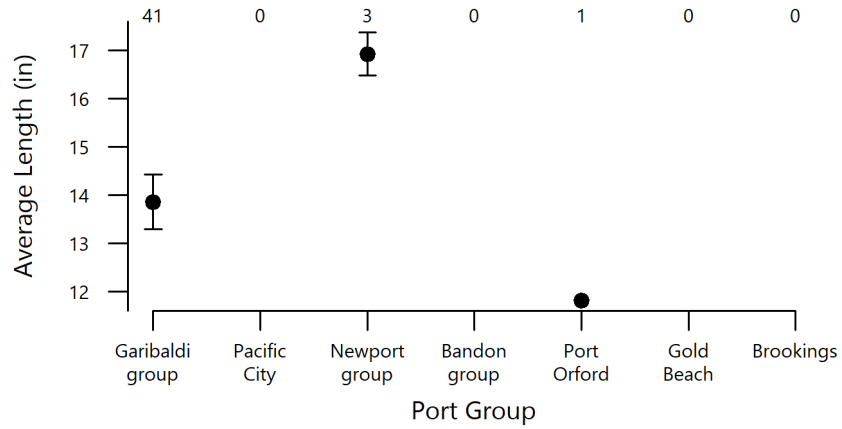
2022 China Rockfish Commercial Lengths by Port



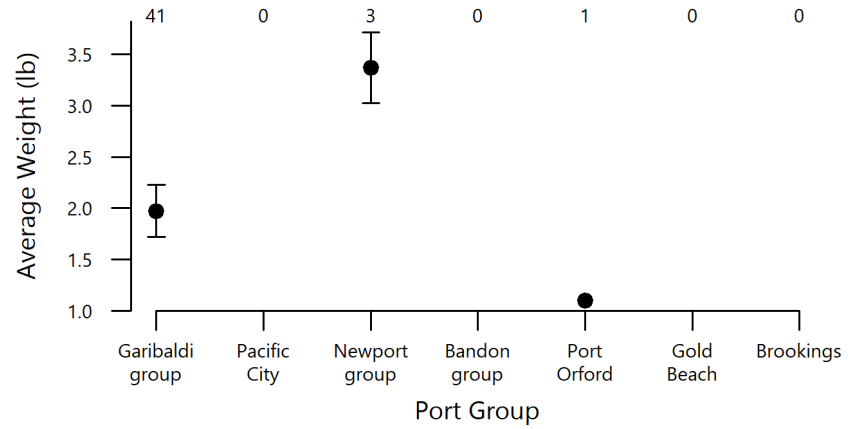
2022 China Rockfish Commercial Weights by Port



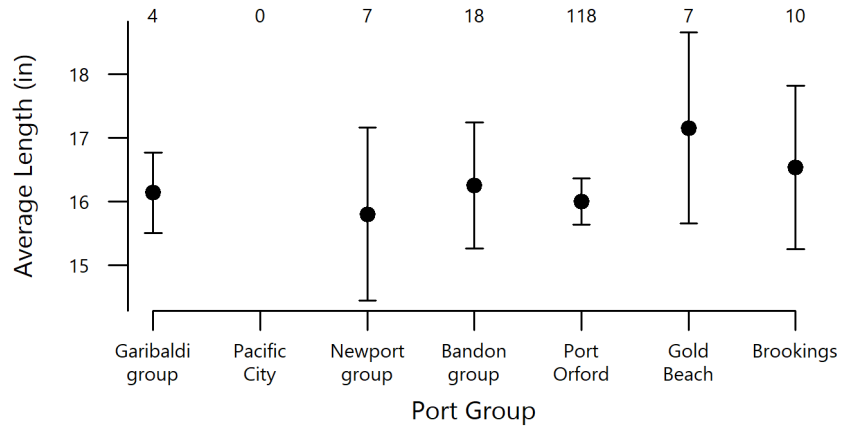
2022 Quillback Rockfish Commercial Lengths by Port



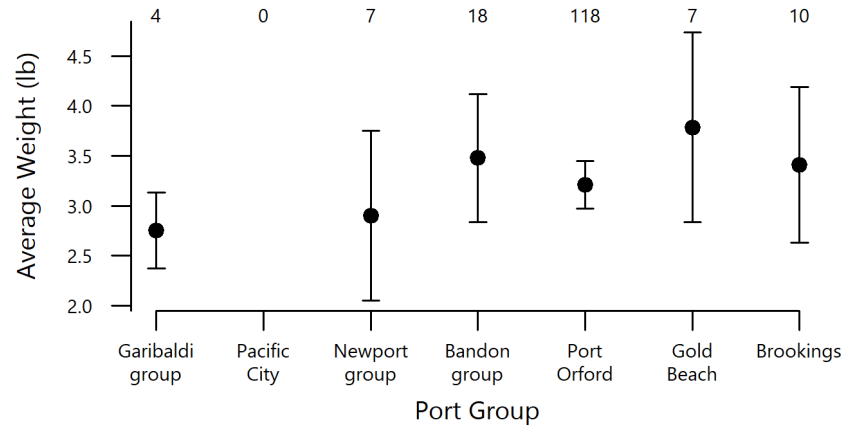
2022 Quillback Rockfish Commercial Weights by Port



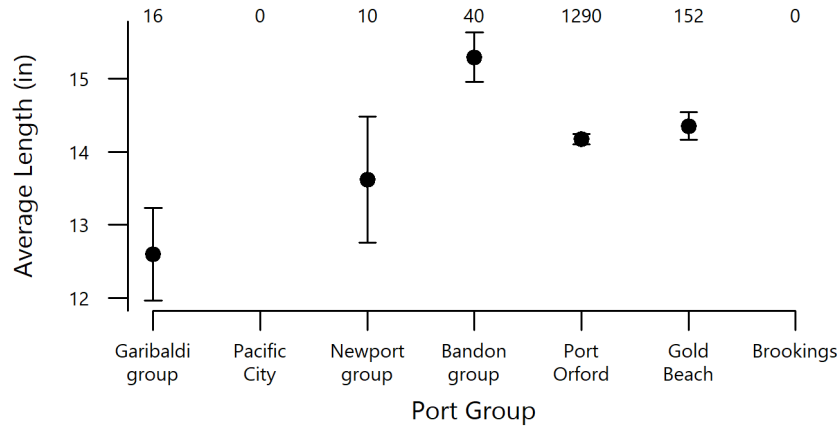
2022 Copper Rockfish Commercial Lengths by Port



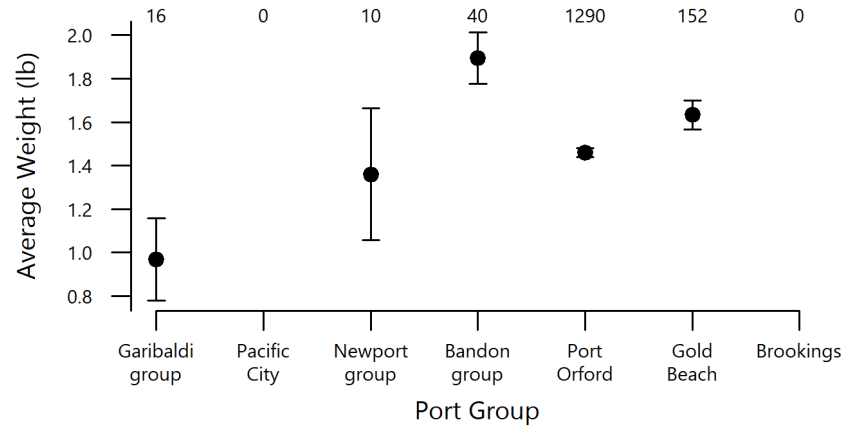
2022 Copper Rockfish Commercial Weights by Port



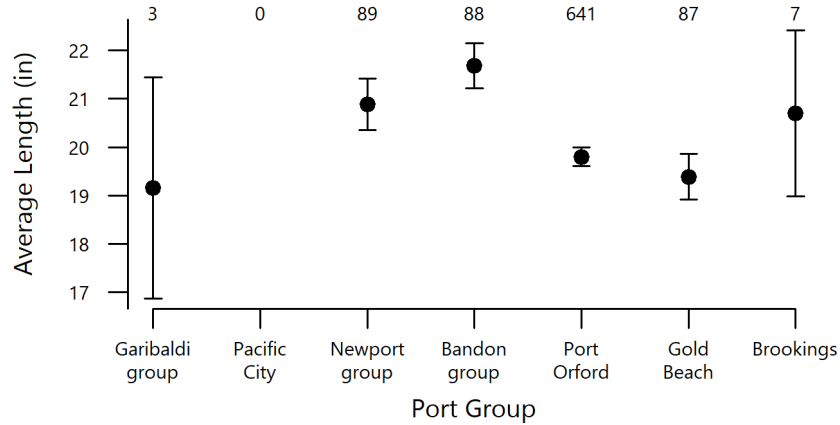
2022 Kelp Greenling Commercial Lengths by Port



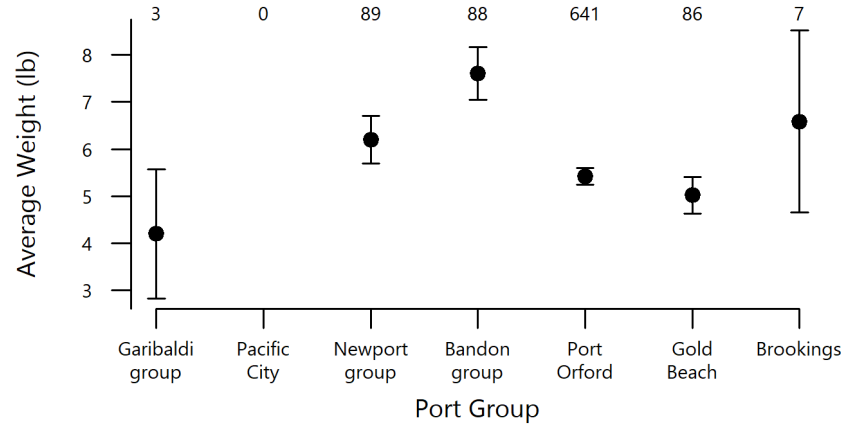
2022 Kelp Greenling Commercial Weights by Port



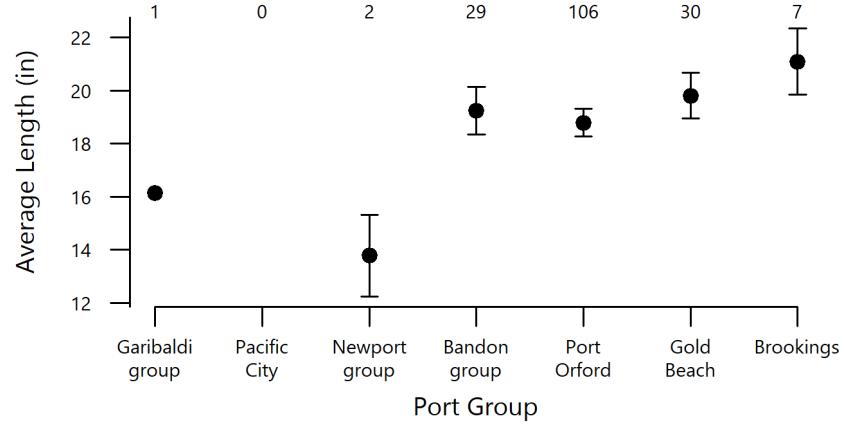
2022 Cabezon Commercial Lengths by Port



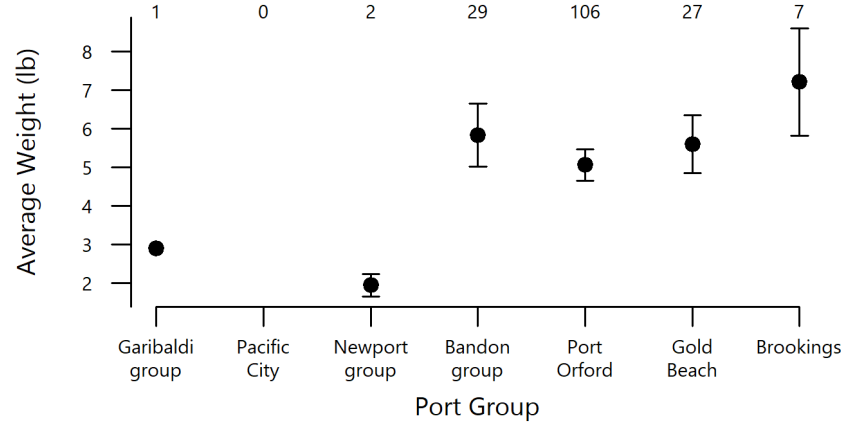
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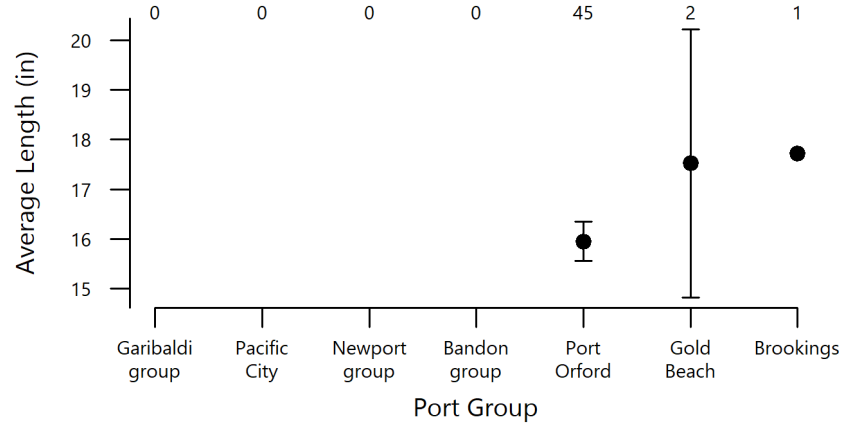
2022 Vermilion Rockfish Commercial Lengths by Port



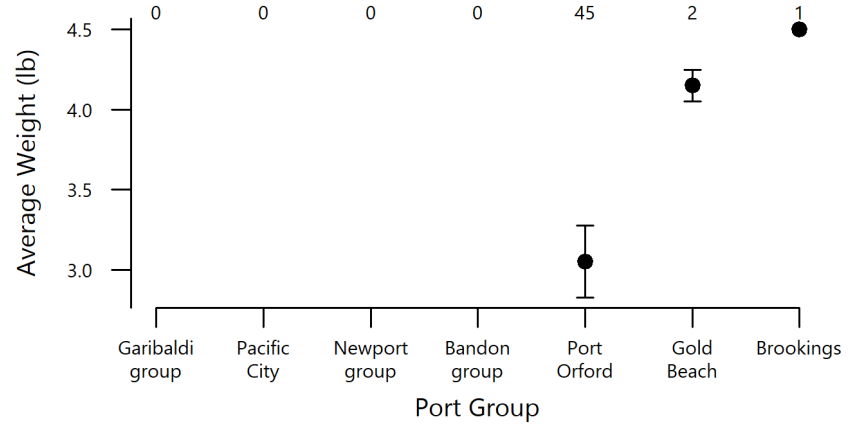
2022 Vermilion Rockfish Commercial Weights by Port



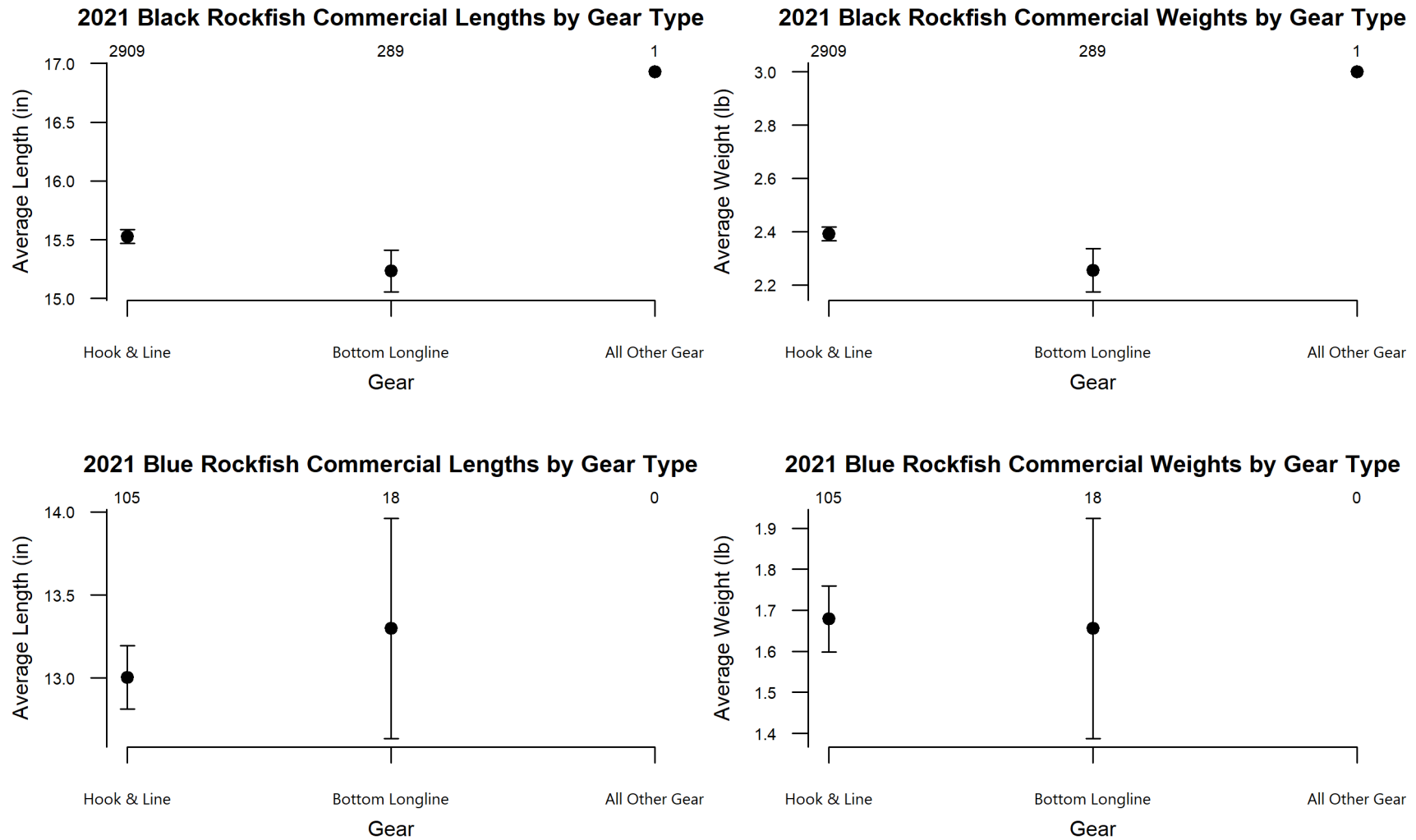
2022 Tiger Rockfish Commercial Lengths by Port

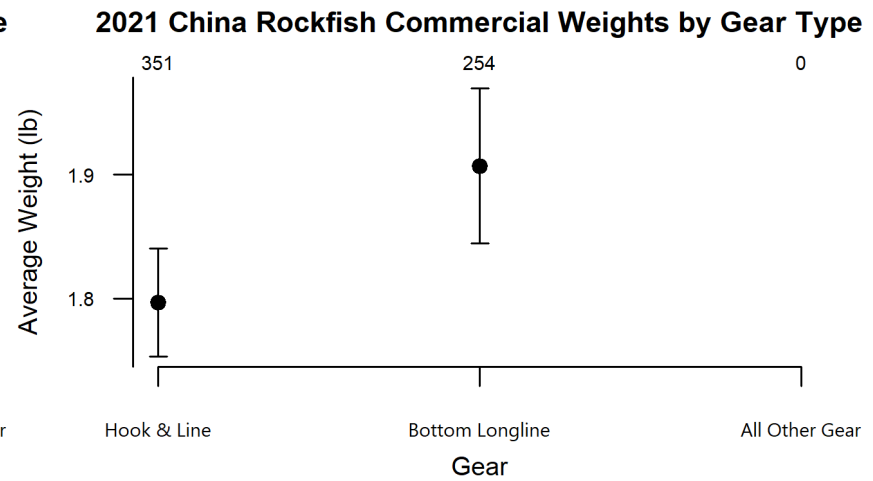
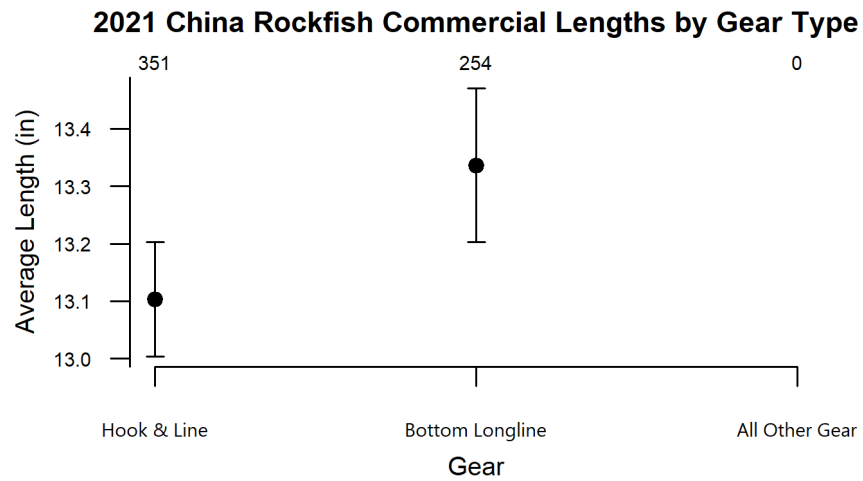
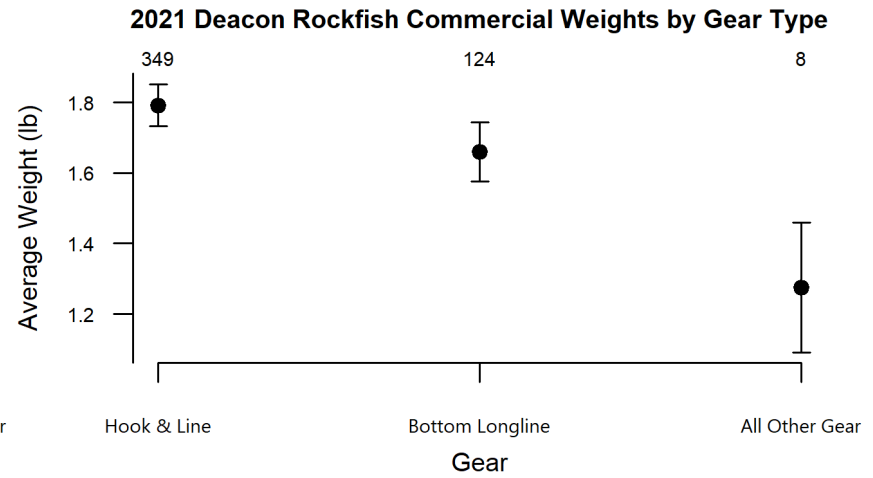
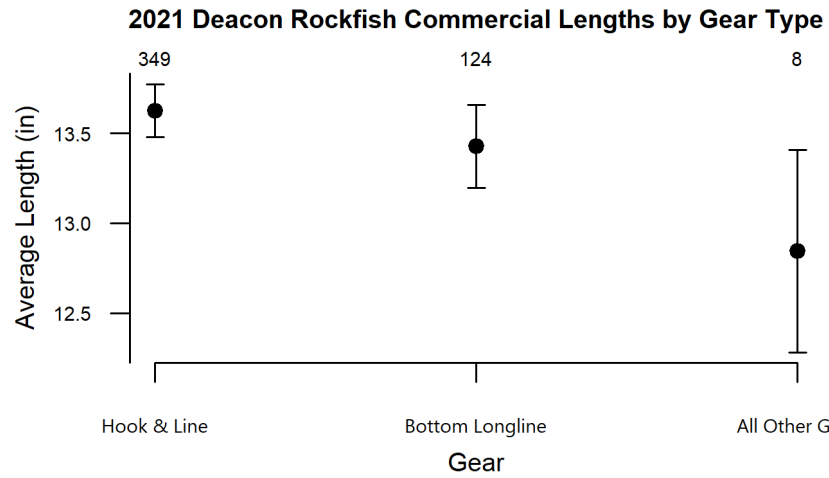


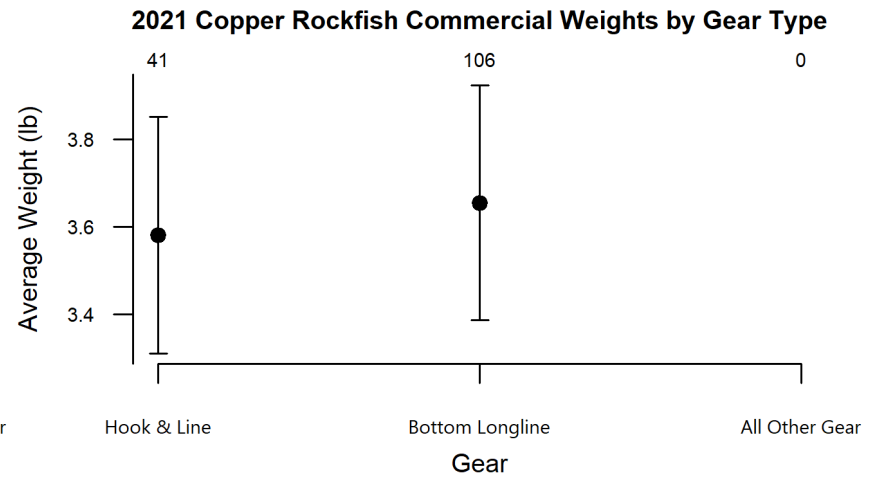
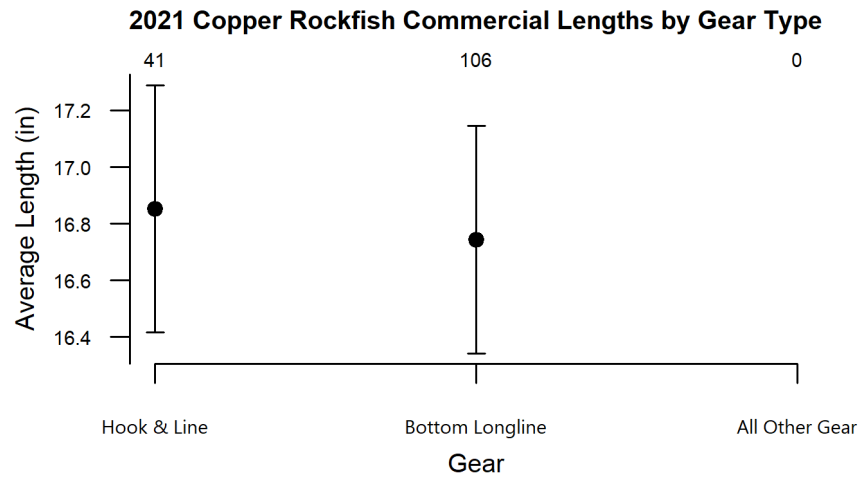
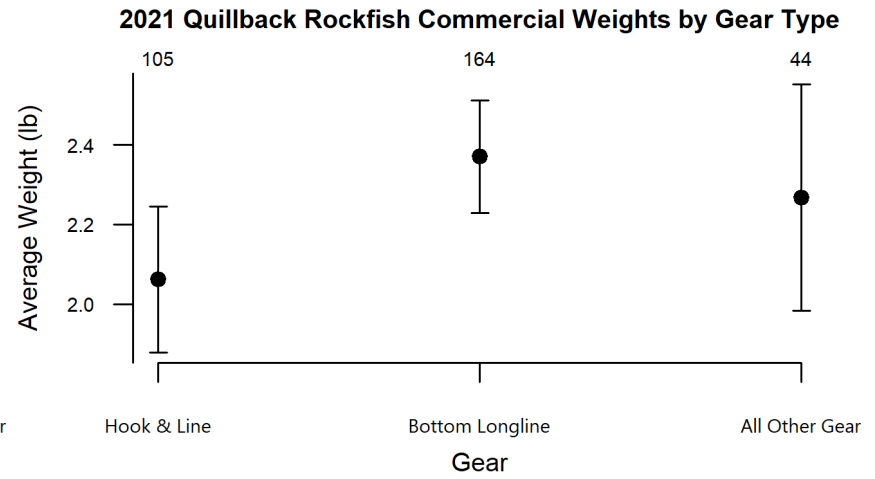
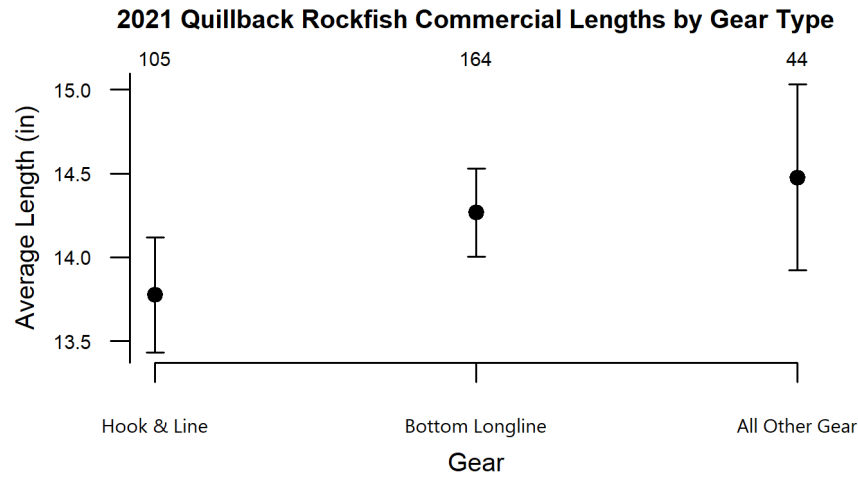
2022 Tiger Rockfish Commercial Weights by Port



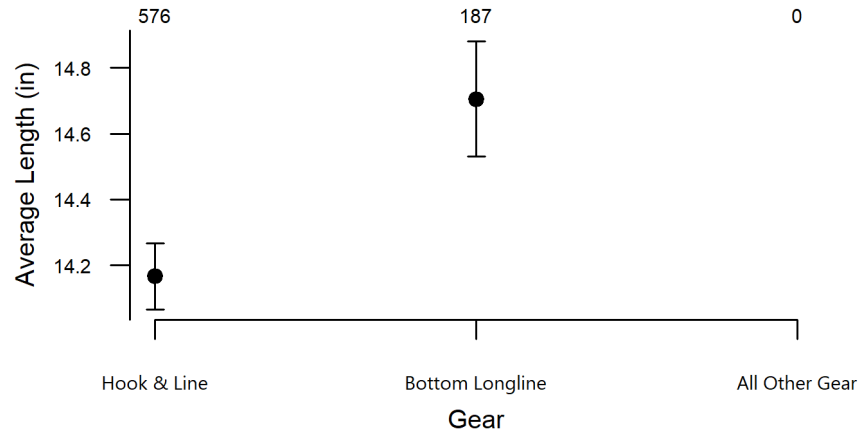
Appendix F. 2021 nearshore species commercial length and weight sample averages by gear with sample sizes and 95% confidence intervals.







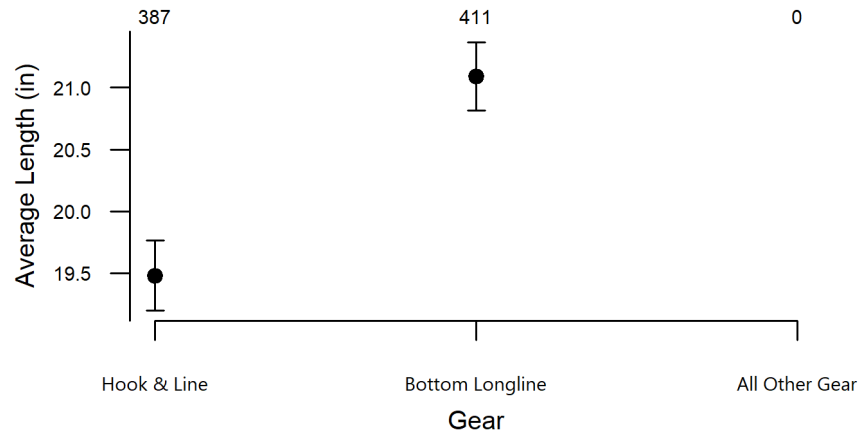
2021 Kelp Greenling Commercial Lengths by Gear Type



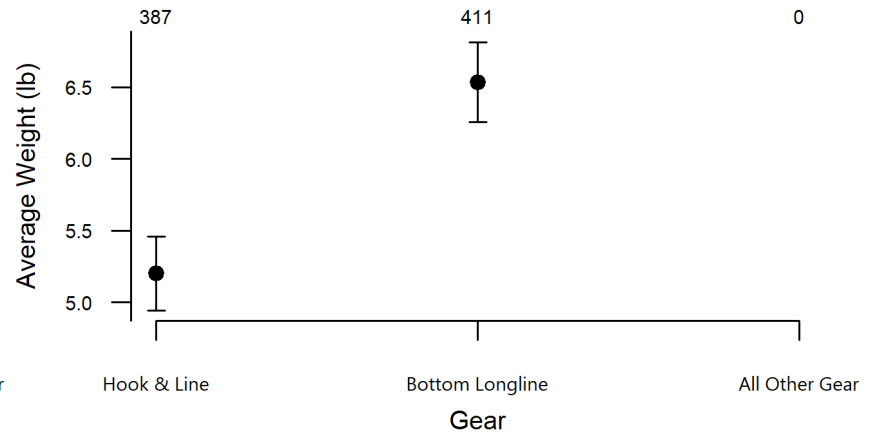
2021 Kelp Greenling Commercial Weights by Gear Type

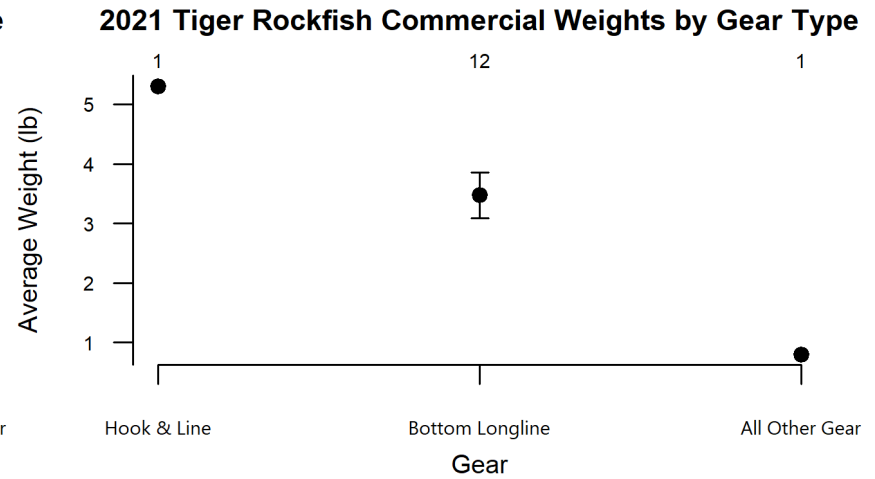
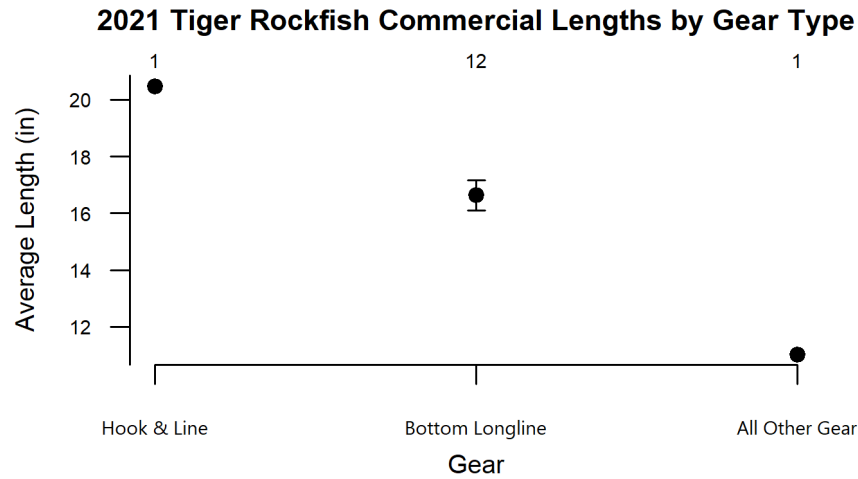
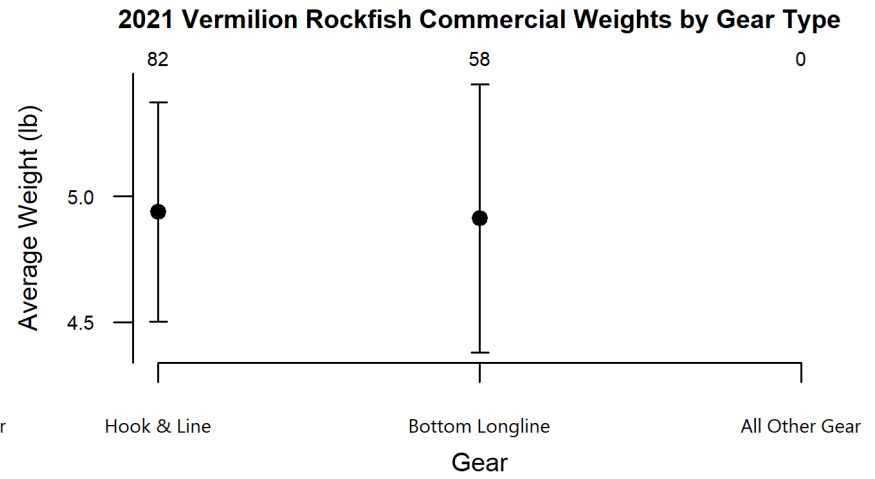
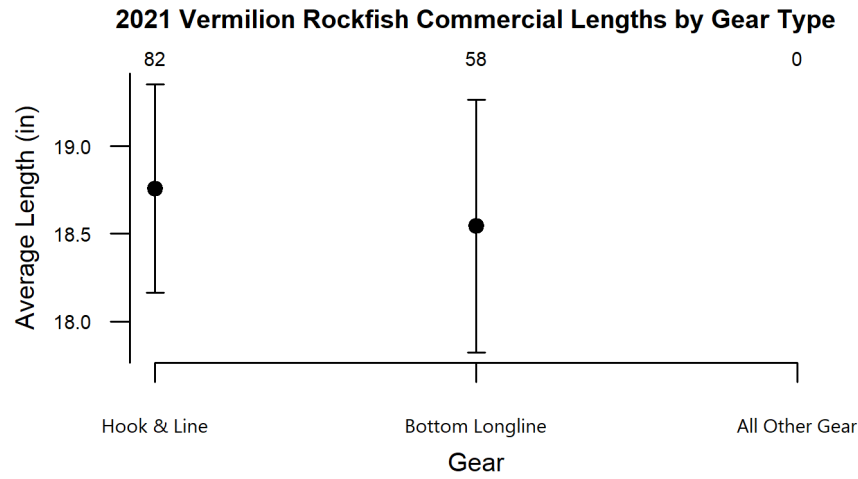


2021 Cabezon Commercial Lengths by Gear Type

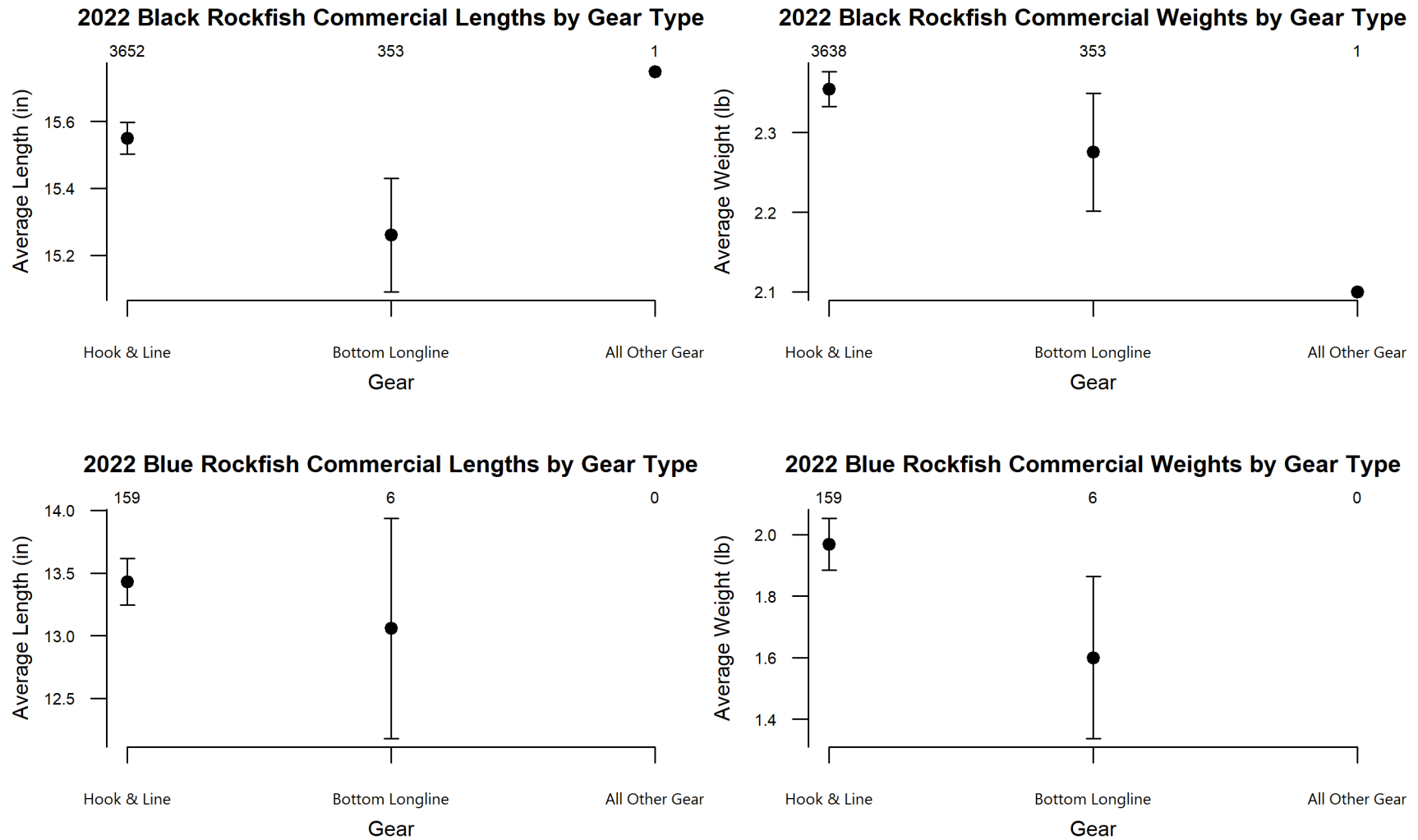


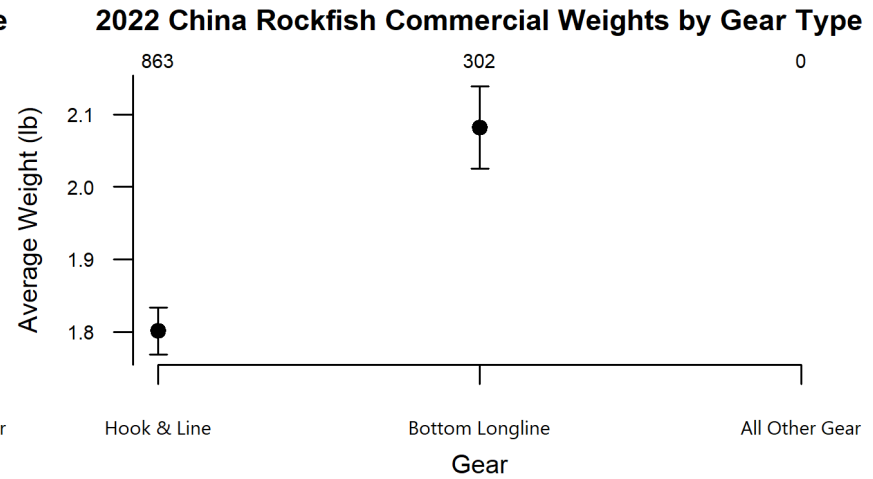
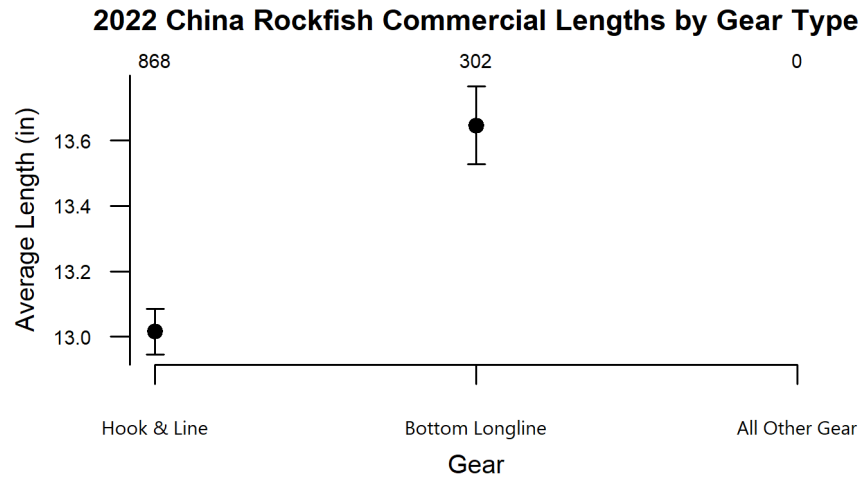
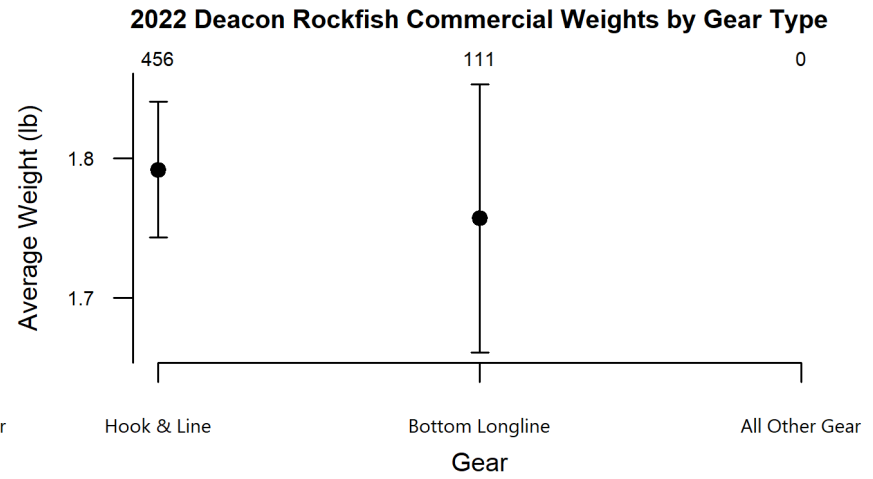
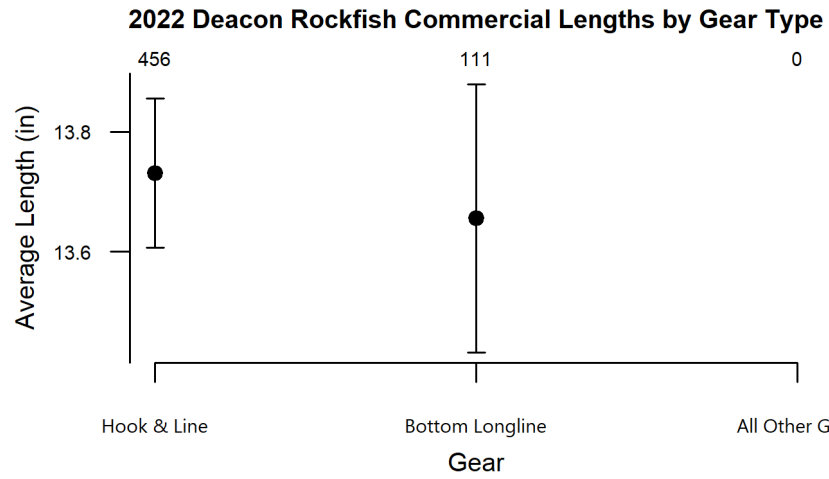
2021 Cabezon Commercial Weights by Gear Type

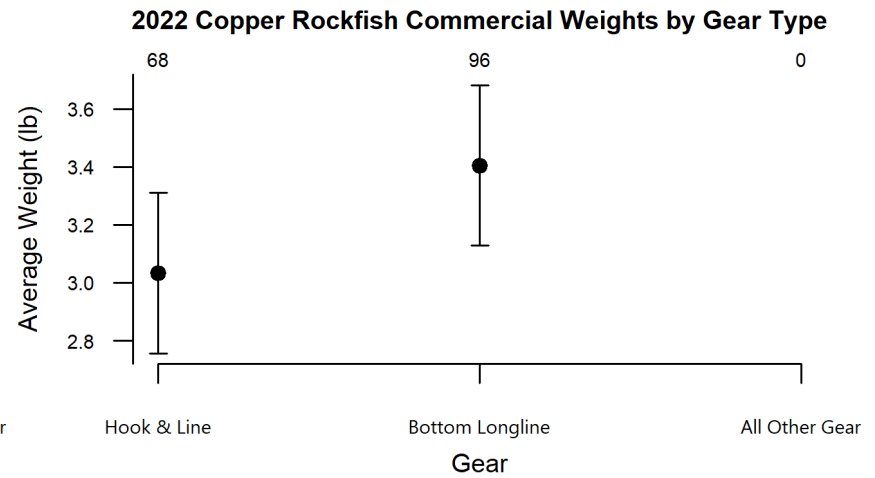
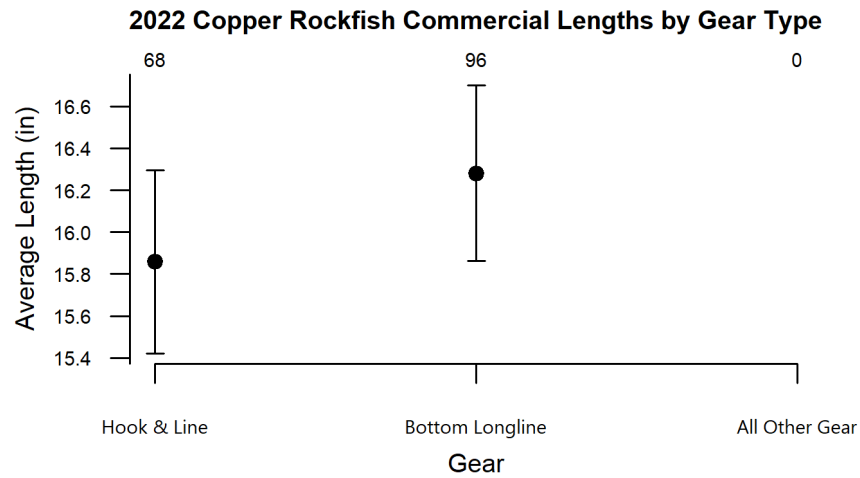
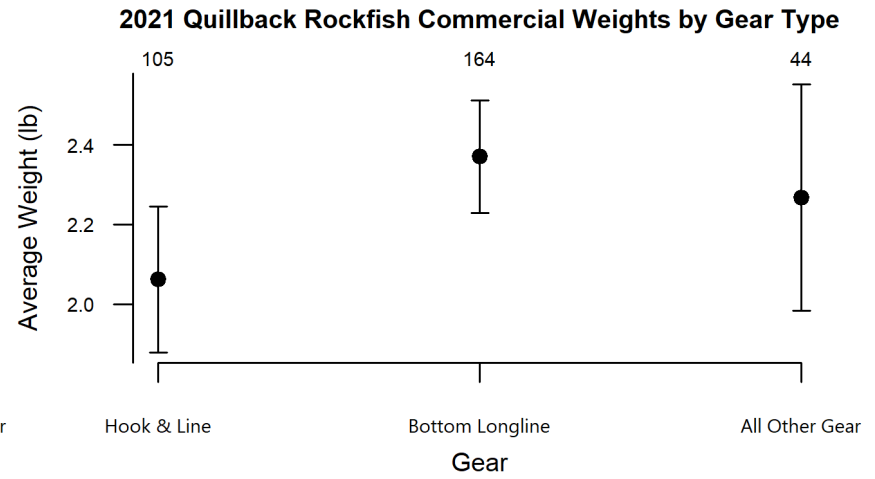
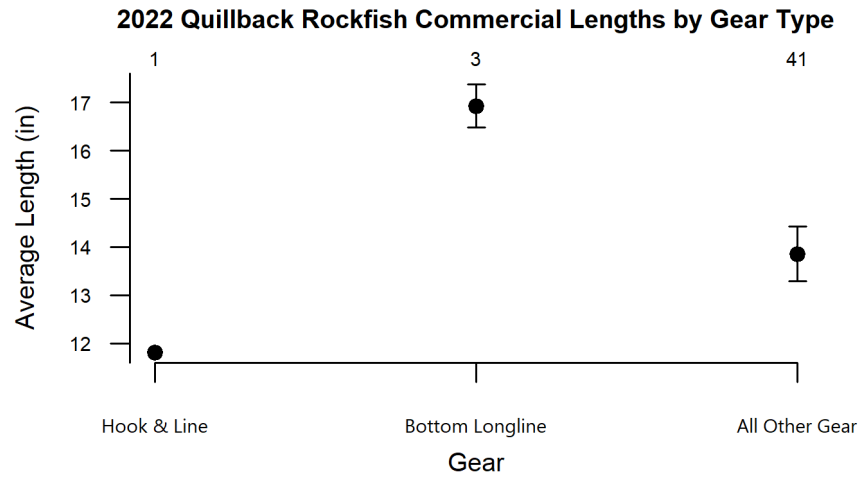




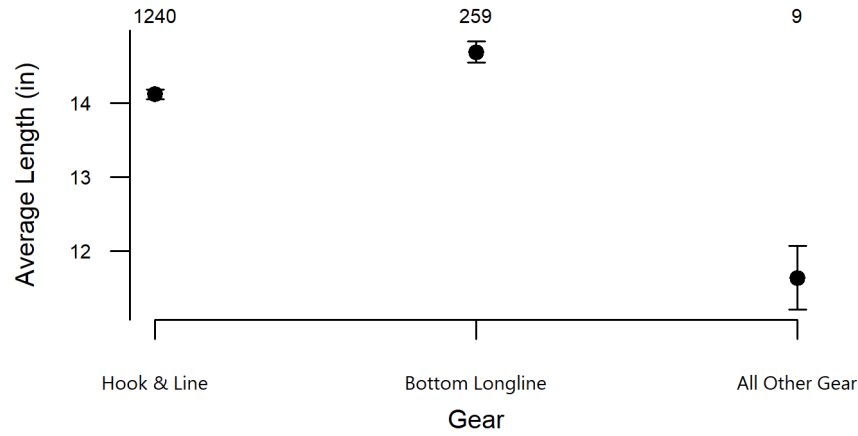
Appendix G. 2022 nearshore species commercial length and weight sample averages by gear with sample sizes and 95% confidence intervals.



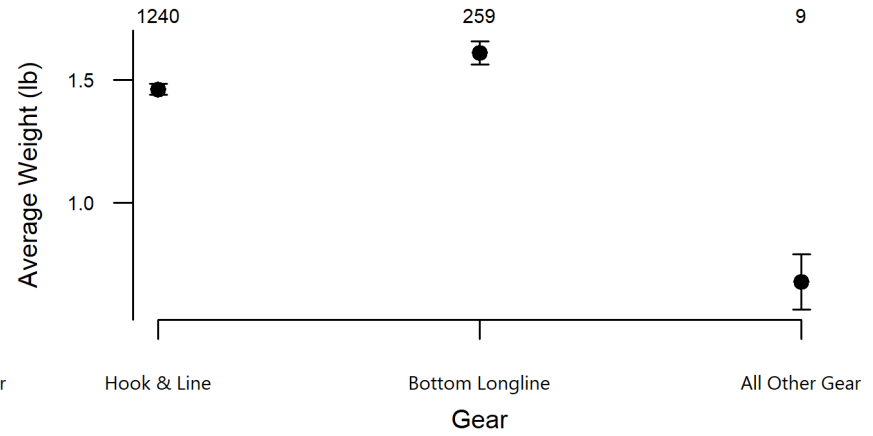




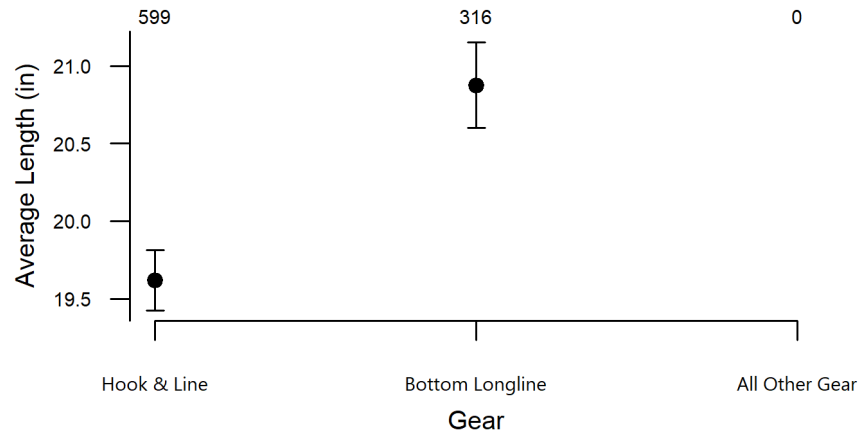
2022 Kelp Greenling Commercial Lengths by Gear Type



2022 Kelp Greenling Commercial Weights by Gear Type



2022 Cabezon Commercial Lengths by Gear Type



2022 Cabezon Commercial Weights by Gear Type

