

Proposal for a Blue and Deacon Rockfish (BDR) separate subqouta IN CALIFORNIA

Current Regulations

| | JAN-FEB | MAR-APR | MAY-JUN | JUL-AUG | SEP-OCT | NOV-DEC |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------|---------|---------|---------|
| 42°00' N. lat. - 40°10' N. lat. | 8,500 lb/ 2 months, no more than 1,500 lb of which may be species other than black rockfish | 7,000 lb/ 2 months, no more than 1,500 lb of which may be species other than black rockfish | | | | |
| Minor Nearshore Rockfish, California Black rockfish, & Oregon Black/Blue/Deacon rockfish | | | | | | |
| Shallow nearshore ²¹ | 1,200 lb/ 2 months | CLOSED | 1,200 lb/ 2 months | | | |
| Deeper nearshore ²¹ | 1,200 lb/ 2 months | CLOSED | 1,200 lb/ 2 months | | | |

Proposed Changes

| | Jan-Feb | Mar-Apr | May-Jun | Jul-Aug | Sep-Oct | Nov-Dec |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|
| 42'00" lat – 40'10" lat | 8,500 lbs/ 2 months no more than 1500 lbs maybe species other than black, blue or deacon rockfish. BDR may not total more than 2,000lbs. | 7,000 lbs/ 2 months no more than 1500 lbs maybe species other than black, blue or deacon rockfish. BDR may not total more than 2,000lbs. | | | | |

Proposed Changes

| | Jan-Feb | Mar-Apr | May-Jun | Jul-Aug | Sep-Oct | Nov-Dec |
|----------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------|---------|---------|---------|
| 40'10" lat – 36'00" lat | 3,200 lbs/ 2 months no more than 2000 lbs maybe species other blue or deacon rockfish. | 2000 lbs/ 2 months of only BDR | 3,200 lbs/ 2 months no more than 2000 lbs maybe species other blue or deacon rockfish. | | | |

Justification

- Abundance
- Economics
- Natural History
- Potential Concern

Abundance

Table ES1: Recent catches (mt) in California, north of Point Conception, by sector. Commercial landings are aggregated (see main text for disaggregated estimates) and minor removals by recreational shore modes are included with private boat landings.

| Year | Recreational CPFV | Recreational Private | Recreational Discard | Commercial Landings | Commercial Discard | Total Removals |
|-------------|------------------------------|---------------------------------|---------------------------------|--------------------------------|-------------------------------|---------------------------|
| 2005 | 209.25 | 62.44 | 5.43 | 17.77 | 9.00 | 303.89 |
| 2006 | 174.21 | 109.94 | 5.68 | 18.77 | 9.50 | 318.10 |
| 2007 | 95.03 | 39.88 | 2.70 | 13.40 | 6.78 | 157.79 |
| 2008 | 47.11 | 28.77 | 1.52 | 26.33 | 13.33 | 117.06 |
| 2009 | 21.49 | 16.89 | 0.77 | 7.35 | 3.72 | 50.22 |
| 2010 | 28.93 | 21.56 | 1.01 | 4.93 | 2.49 | 58.92 |
| 2011 | 34.97 | 23.53 | 1.17 | 7.12 | 3.60 | 70.39 |
| 2012 | 30.12 | 18.54 | 0.97 | 6.64 | 3.36 | 59.63 |
| 2013 | 66.84 | 35.95 | 2.06 | 6.10 | 3.09 | 114.04 |
| 2014 | 64.38 | 49.37 | 2.27 | 5.90 | 2.99 | 124.91 |
| 2015 | 91.73 | 63.91 | 3.11 | 9.18 | 4.65 | 172.58 |
| 2016 | 81.23 | 41.79 | 2.46 | 7.16 | 3.62 | 136.26 |

Abundance

Table ES13. Projection of OFL, default harvest control rule catch (ABC = ACL above 40% SSB), biomass, and depletion using the California BDR base case model with 2017-2018 catches set equal to 2015-2016 average catch (154.4 mt).

| Year | OFL (mt) | ABC Catch (mt) | Age 0+ Biomass (mt) | Spawning Output (eggs x 10 ⁶) | Depletion (% of SB ₀) |
|------|-------------|-------------------|------------------------|----------------------------------------------|--------------------------------------|
| 2017 | 278.7 | 154.4* | 6654 | 812 | 37.3 |
| 2018 | 294.6 | 154.4* | 6830 | 864 | 39.7 |
| 2019 | 309.8 | 281.4 | 6984 | 917 | 42.1 |
| 2020 | 316.8 | 287.8 | 7015 | 943 | 43.3 |
| 2021 | 321.9 | 292.4 | 7032 | 963 | 44.2 |
| 2022 | 325.1 | 295.4 | 7039 | 976 | 44.8 |
| 2023 | 326.7 | 296.8 | 7039 | 984 | 45.2 |
| 2024 | 327.1 | 297.2 | 7036 | 987 | 45.3 |
| 2025 | 326.8 | 296.9 | 7031 | 987 | 45.3 |
| 2026 | 326.2 | 296.4 | 7027 | 987 | 45.3 |
| 2027 | 325.6 | 295.8 | 7024 | 985 | 45.2 |
| 2028 | 325.0 | 295.2 | 7023 | 984 | 45.2 |

Note: projection assumes a category 2 assessment as a result of assessing a complex, with a $P^=0.45$ and $\sigma = 0.783$, for a multiplier of 0.906 applied to the OFL. *Average catch, 2015-2016.*

Economics



- Fresh fish market
- Growing market
- High quality product
- Gives new fisherman a new diversified market
- Supports the small boat fleet
- Excellent choice for direct market (off boat) product

Natural History



- Pelagic
- Commonly Associated with other open access species
- Low interactions with species of potential concern
- Omnivorous
- Will decrease by-catch while targeting other open access species

Potential Concerns

- Very minor utilization by Trawl fleet
- Separation of Black Rockfish from BDR
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