Summary of Available Copper Rockfish Data from CDFW for the 2023 Stock Assessments

This document is solely intended to aid in planning and discussion purposes. Data from CDFW’s historic “Refugio Collections” are to be considered preliminary until CDFW has completed the QAQC process. This document is current as of November 11th, 2022.

Table 1a. Summary of available PR copper rockfish otoliths from CDFW Recreational sampling efforts which began in late 2021, by port complex and sex.

| Port Complex | Male | Female | Unknown | Total |
| --- | --- | --- | --- | --- |
| Crescent City | 7 | 20 | 1 | 28 |
| Eureka | 7 | 5 | 1 | 13 |
| Ft. Bragg | 0 | 2 | 0 | 2 |
| Monterey | 44 | 38 | 2 | 84 |
| San Diego | 3 | 3 | 1 | 7 |

Table 1b. Summary of available PC copper rockfish otoliths from CDFW Recreational sampling efforts which began in late 2021, by port complex and sex.

| Port Complex | Male | Female | Unknown | Total |
| --- | --- | --- | --- | --- |
| Eureka | 11 | 8 | 0 | 19 |

Table 2. Summary of available copper rockfish otoliths from CRFS Voluntary Collection efforts which began in late 2021, by port complex and sex.

| Port Complex | Male | Female | Unknown | Total |
| --- | --- | --- | --- | --- |
| Crescent City | 4 | 6 | 0 | 10 |
| Eureka | 2 | 0 | 0 | 2 |
| Ft. Bragg | 4 | 2 | 0 | 6 |
| Bodega | 10 | 12 | 1 | 23 |
| San Francisco | 3 | 3 | 1 | 7 |
| Monterey | 23 | 17 | 2 | 42 |
| Santa Barbara | 2 | 1 | 2 | 5 |

Table 3. Summary of available copper rockfish otoliths from CDFW Carcass Collections undertaken from 2018 to early 2021, by port complex and sex. These otoliths have been aged.

| Port Complex | Male | Female | Unknown | Total |
| --- | --- | --- | --- | --- |
| Crescent City | 2 | 4 | 1 | 7 |
| Eureka | 1 | 1 | 1 | 3 |
| San Francisco | 2 | 3 | 9 | 14 |
| Monterey | 9 | 9 | 14 | 32 |
| Morro Bay | 1 | 0 | 1 | 2 |

Table 4. Summary of available copper rockfish otoliths from CDFW Commercial Pilot Collections undertaken in 2019 and 2021, by port complex and sex. These otoliths have been aged.

| Port Complex | Male | Female | Unknown | Total |
| --- | --- | --- | --- | --- |
| Eureka | 6 | 2 | 1 | 9 |
| Morro Bay | 16 | 18 | 0 | 34 |

Table 5. Summary of available copper rockfish otoliths from historic CDFW “Refugio Collection” with data between 1978 and 1987, by port complex and sex. These otoliths have been aged by CDFW staff. Please note, these data are still undergoing QAQC and are solely presented here to aid in planning and discussion purposes.

| **Sector** | **Port Complex** | **Male** | **Female** | **Unknown** | **Total** |
| --- | --- | --- | --- | --- | --- |
| **Rec. PR H/L** | *In QAQC* | 8 | 15 | 0 | 23 |
| Monterey | 7 | 2 | 0 | 9 |
| Morro Bay | 0 | 3 | 0 | 3 |
| **Rec. Spear** | Monterey | 13 | 12 | 0 | 25 |
| Morro Bay | 7 | 9 | 0 | 16 |
| **Comm. H/L** | *In QAQC* | 1 | 1 | 0 | 2 |
| Monterey | 3 | 1 | 0 | 4 |
| Morro Bay | 0 | 1 | 1 | 2 |
| **Research H/L** | *In QAQC* | 4 | 3 | 0 | 7 |
| Monterey | 12 | 8 | 3 | 23 |
| Morro Bay | 1 | 2 | 0 | 3 |
| **Research Spear** | Monterey | 65 | 95 | 43 | 203 |
| Morro Bay | 1 | 4 | 0 | 5 |