

NWFSC H&L Survey 2004 Vermilion/Sunset Rockfish Data

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Data acquired from John Harms and Anita Wray. Data tables include:

- On-board field sampling data,
- Genetic differentiation data between sunset and vermilion rockfish,
- Ages determined by the Newport Cooperative Ageing Lab.

Summary Table

Mean, Minimum, and Maximum Depth (m) of Vermilion and Sunset Rockfish encountered by Sex

| Species | Sex | Mean Depth (m) | Min Depth (m) | Max Depth (m) |
|-----------|--------|----------------|---------------|---------------|
| Sunset | Female | 133 | 63 | 207 |
| Sunset | Male | 135 | 64 | 201 |
| Vermilion | Female | 89 | 51 | 128 |
| Vermilion | Male | 92 | 44 | 128 |

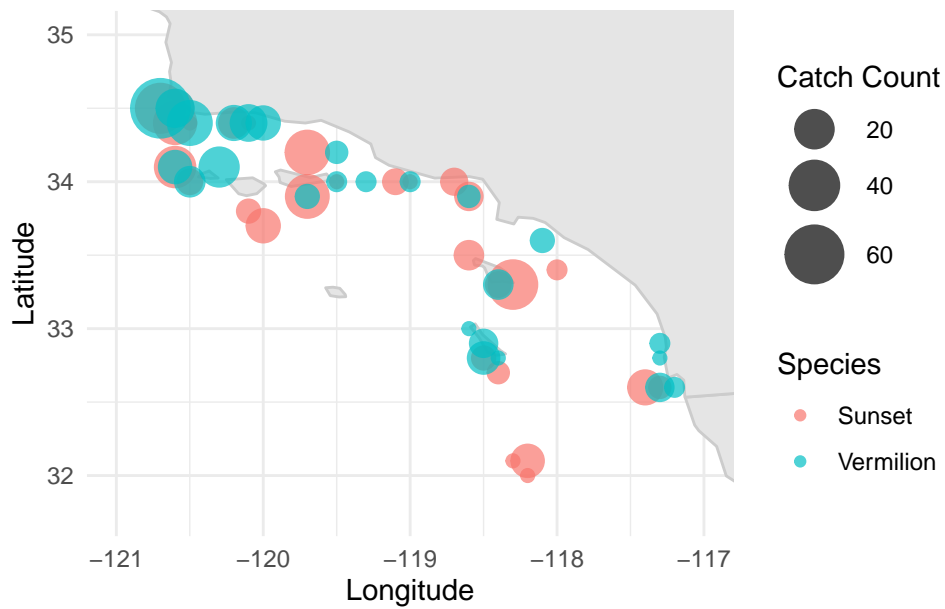
Count, Mean, Minimum, and Maximum Fork Length (cm) of Vermilion and Sunset Rockfish encountered by Sex

| Species | Sex | # Of Lengths | Mean Length (cm) | Min Length (cm) | Max Length (cm) |
|-----------|--------|--------------|------------------|-----------------|-----------------|
| Sunset | Female | 140 | 45 | 24 | 62 |
| Sunset | Male | 164 | 43 | 22 | 53 |
| Vermilion | Female | 99 | 39 | 27 | 54 |
| Vermilion | Male | 155 | 40 | 19 | 52 |

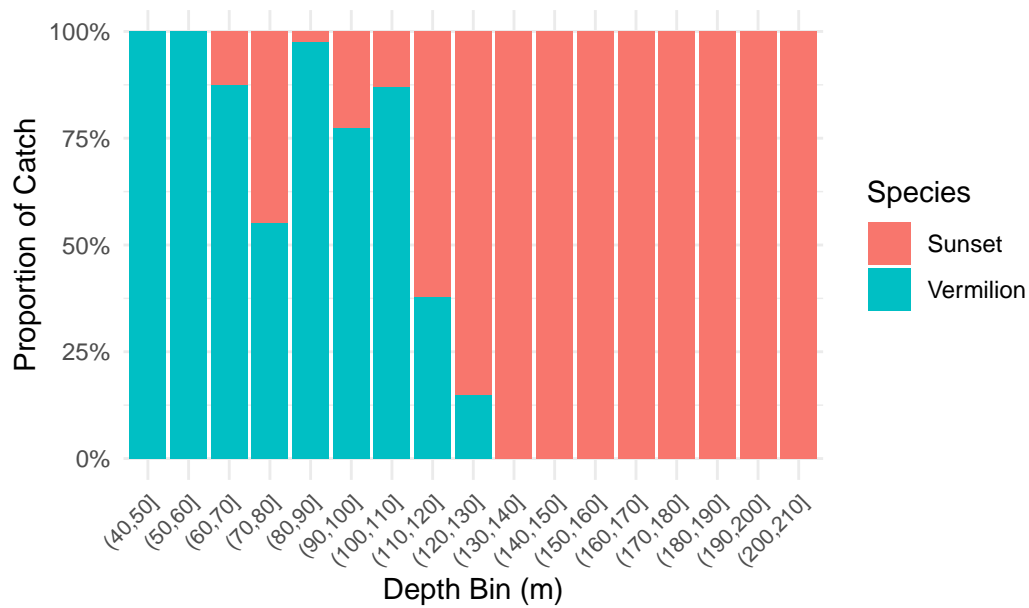
Count, Mean, Minimum, and Maximum Age (years) of Vermilion and Sunset Rockfish encountered by Sex

| Species | Sex | # Of Ages | Mean Age (yrs) | Min Age (yrs) | Max Age (yrs) |
|-----------|--------|-----------|----------------|---------------|---------------|
| Sunset | Female | 119 | 8 | 4 | 27 |
| Sunset | Male | 141 | 7 | 3 | 18 |
| Vermilion | Female | 90 | 8 | 4 | 51 |
| Vermilion | Male | 135 | 9 | 3 | 20 |

Catch Density of Vermilion/Sunset

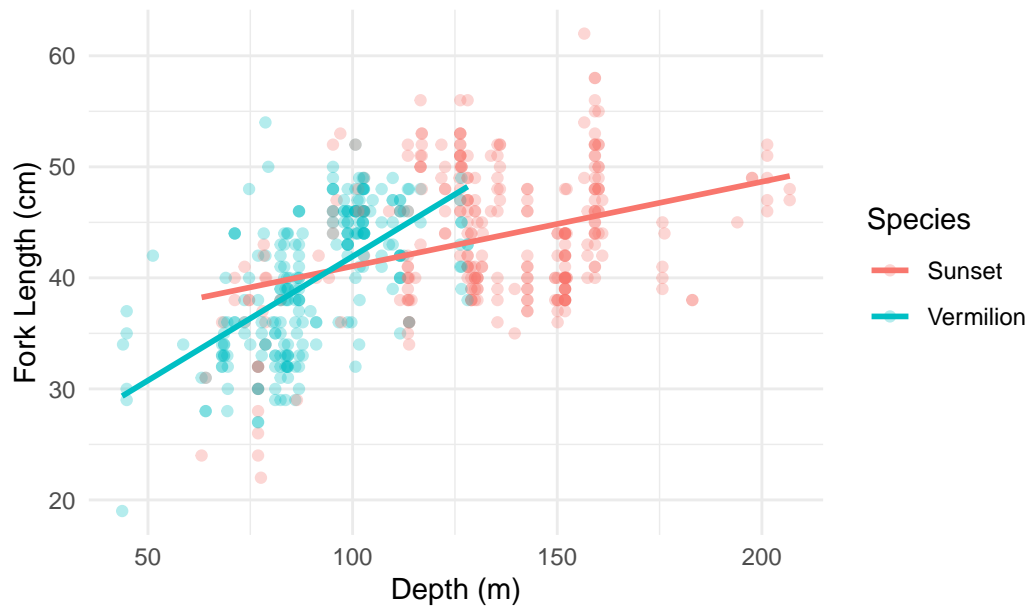


Proportion of Vermilion/Sunset by Depth



Length and Age Distribution by Depth

``geom_smooth()`` using formula = 'y ~ x'



``geom_smooth()`` using formula = `'y ~ x'`

