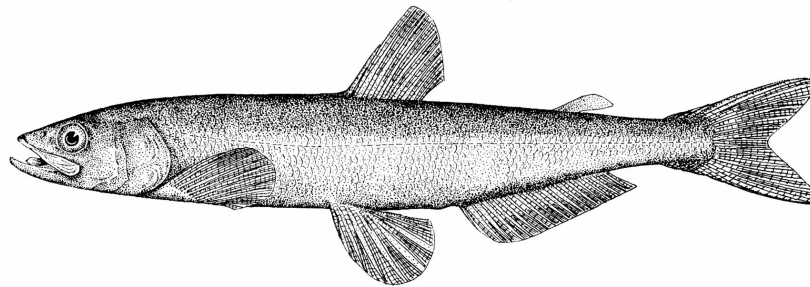




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Fraser River Eulachon: Pre-Season Meeting

Above Port Mann (APM) First Nations – Tier 2

March 8, 2022

1:00 – 2:30 pm



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2022 Pre-Season Planning



2022 Eulachon Management

- First Nations – Limited FSC fisheries
- Recreational – Closed
- Commercial – Closed





2022 FSC Harvest Levels

Interim method:

- Maximum harvest level = 3.5 % of average of last 9 years (3 generations) of Spawning Stock Biomass (SSB) index data

Proposed & past Fraser eulachon FSC harvest level setting methodologies, maximum harvest levels, & recorded catches

| Year | Methodology | Maximum Harvest Level (tonnes (pounds)) | Recorded FSC Catches (tonnes (pounds)) |
|-------------|--|---|--|
| 2022 | 3.5% of avg. of prev. 9 yrs SSB | 7.17 (15,807) | -- |
| 2021 | 3.5% of avg. of prev. 9 yrs SSB | 7.02 (15,486) | 5.58 (11,143) |
| 2020 | 3.5% of avg. of prev. 9 yrs SSB | 4.78 (10,538) | 4.69 (10,332) |
| 2019 | 3.5% of avg. of prev. 9 yrs SSB | 4.38 (9,652) | 3.28 (7,239) |
| 2018 | 3.5% of avg. of prev. 9 yrs SSB | 2.85 (6,275) | 2.49 (5,481) |
| 2017 | 3.5% of avg. of prev. 9 yrs SSB | 2.75 (6,059) | 1.32 (2,915) |
| 2016 | 2% of avg. of prev. 9 yrs SSB | 1.56 (3,445) | 0.94 (2,066) |
| 2015 | 2% of avg. of prev. 6 yrs SSB | 1.12 (2,469) | 1.07(2,360) |

Spawning Stock Biomass (SSB) Index - 2009 to 2021

*10 weeks

**Regular 7 weeks

| Year | South Arm (t) | North Arm (t) | Combined (t) |
|--------|---------------|---------------|--------------|
| 2021* | 77 | 79 | 156 |
| 2021** | 64 | 77 | 141 |
| 2020* | 408 | 220 | 628 |
| 2020** | 404 | 220 | 624 |
| 2019* | 75 | 39 | 114 |
| 2019** | 70 | 38 | 108 |
| 2018* | 303 | 111 | 414 |
| 2018** | 298 | 110 | 408 |
| 2017* | 32 | 7 | 39 |
| 2017** | 29 | 6 | 35 |
| 2016 | 32 | 12 | 44 |
| 2015 | 185 | 132 | 317 |
| 2014 | 53 | 13 | 66 |
| 2013 | 59 | 41 | 100 |
| 2012 | 78 | 42 | 120 |
| 2011 | 19 | 12 | 31 |
| 2010 | 4 | <1 | 4 |
| 2009 | 12 | 2 | 14 |



2022 FSC Management

- Maximum harvest level;
- Gillnet length maximum 100 m;
- Fishing time to a maximum of 12 hours per day or as negotiated in season;
- Soak times of 20 minutes or as negotiated in season;
- Consideration of other gear types in traditional fishing areas



Fishery Planning – Pre-Season and In-Season Process

- **Pre-Season**
 - Tier 1 Planning
 - Communication between APM, BPM and DFO
- **In-Season**
 - Updated fishing plans (list of fishers, times) → send to DFO.



Fisheries Planning - Catch Monitoring

- Fraser Valley Aboriginal Fisheries Society (FVAFS) catch monitors are located at specific landing sites to count and weigh Eulachon caught
- DFO Resource Management staff support catch monitors to ensure they have the tools and resources to monitor the fishery
- FVAFS and DFO work together to provide catch updates on fishery planning calls



Fisheries Planning - Enforcement

- Enforcement patrols during open and closed times on Fraser River
- Inspections of First Nations FSC fishers and Recreational fishers (primarily sturgeon fishers to verify type of bait being used)
- Inspections of where eulachon might be found (i.e. air cargo locations, stores selling bait or sport fishing stores)





Planning for Future Fisheries

- SARA listing status update
 - 2020 consultation
- Status of commercial ZU licences
 - 16 ZU licence eligibilities
- Increasing SSB levels



For More Information on Eulachon

DFO Library

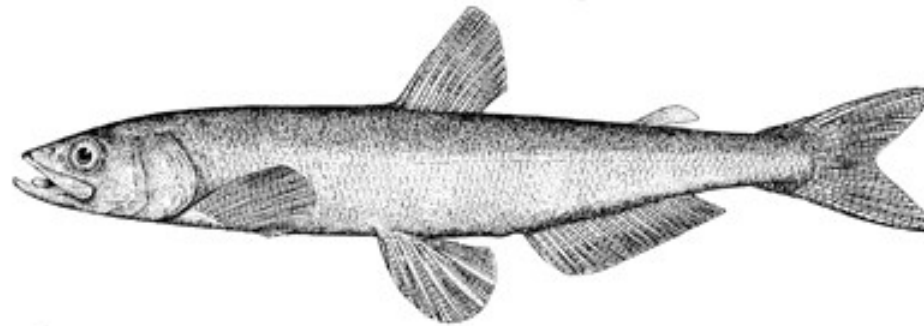
- <https://science-libraries.canada.ca/eng/fisheries-oceans/>

DFO SARA Fraser River Eulachon Page and Resources

- <https://species-registry.canada.ca/index-en.html#/species/1164-805>



Questions?





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Thank you