Appendix E - Figures of Chinook Model-Generated Stock Composition of Landed Catch for AABM and ISBM Fisheries, 1979-YYYY

Stock composition in the AABM and ISBM fisheries is estimated using the Chinook Model. The proportion of landed catch by model stock is computed:

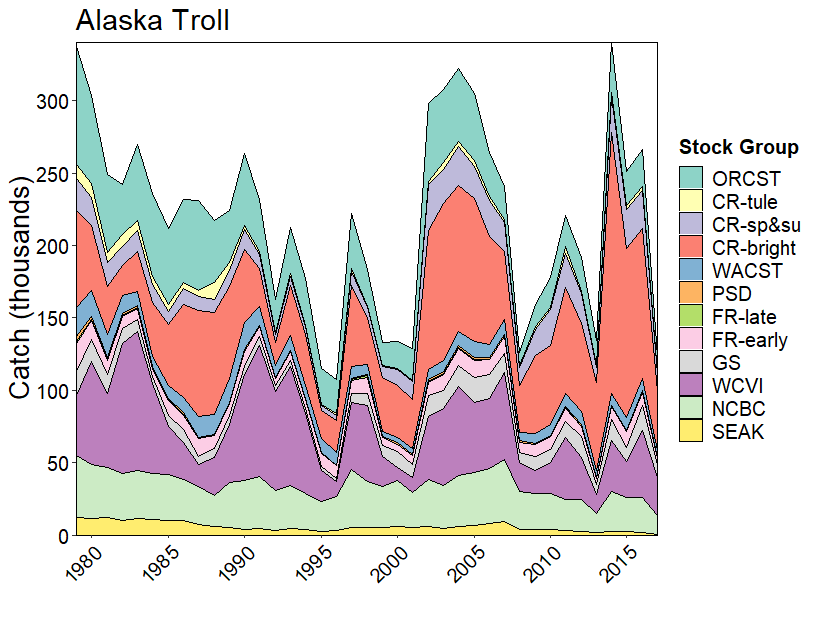
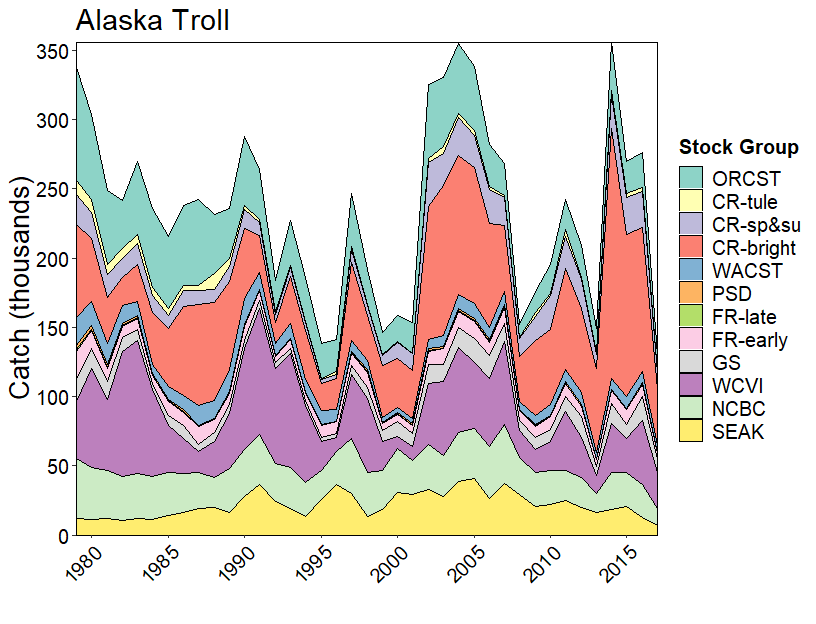
where is model landed catch by fishery , stock , and year . Landed catch stock composition is computed:

where is reported landed catch by fishery and year . Since the Chinook Model does not include the Alaska Hatchery Addon, reported landed catch stock composition is adjusted:

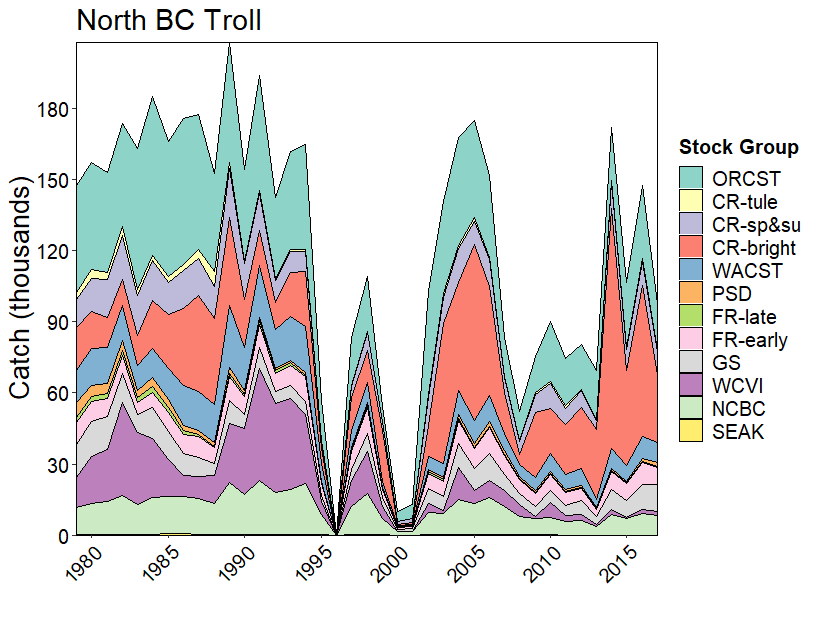
where is the Alaska Hatchery Addon by fishery and year for only the Alaska Stock Group. Results with and without the Alaska Hatchery Addon adjustment are reported. Stock abbreviations in each figure correspond to the following model stocks and aggregations:

|  |  |
| --- | --- |
| Stock Group | Description |
| ORCST | Oregon Coast |
| CR-tule | Columbia River-Fall Tule stocks (Spring Creek, Lower River Hatchery, and Cowlitz Fall) |
| CR-sp&su | Columbia River Spring and Summer stocks (Willamette, Cowlitz Spring, Columbia Summers) |
| CR-bright | Columbia River Fall Bright stocks (Upriver, Mid-Columbia, Lewis River Wild, Lyons Ferry) |
| WACST | Washington Coast |
| PSD | Puget Sound stocks (Nooksack Fall and Spring, Natural Fall Fingerlings, Hatchery Fall Fingerlings, Hatchery Yearlings, Skagit Wild, Stillaguamish Wild, Snohomish Wild) |
| FR-late | Fraser River Late stock |
| FR-early | Fraser River Early stocks |
| GS | Georgia Strait stocks (Upper, Lower Natural, Lower Hatchery) |
| WCVI | West Coast Vancouver Island Stocks (hatchery and natural) |
| NCBC | North Central British Columbia stocks |
| SEAK | Southeast Alaska stocks |

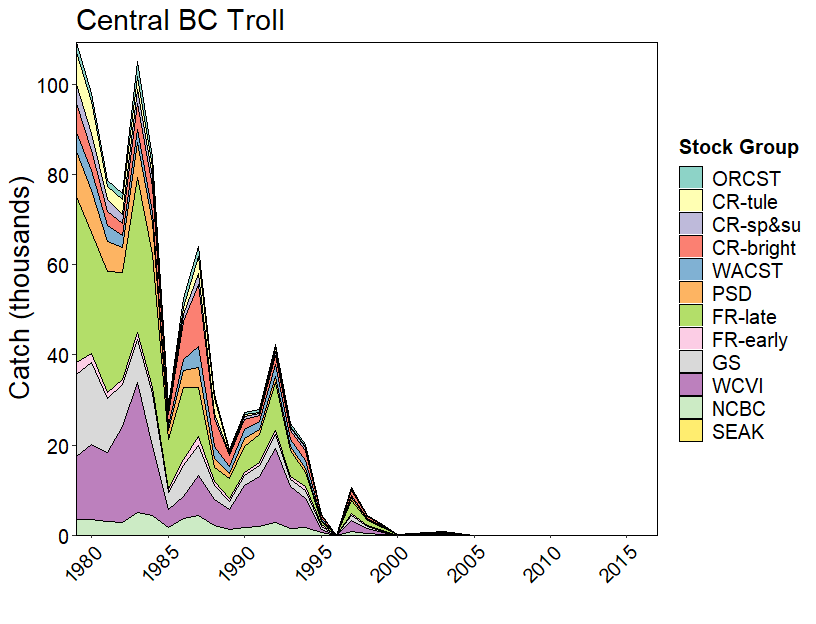
## Appendix E1-Chinook Model Estimates of landed catch stock composition for Alaska troll with (upper) and without (lower) Alaska hatchery add-on and terminal exclusion, 1979-2016.



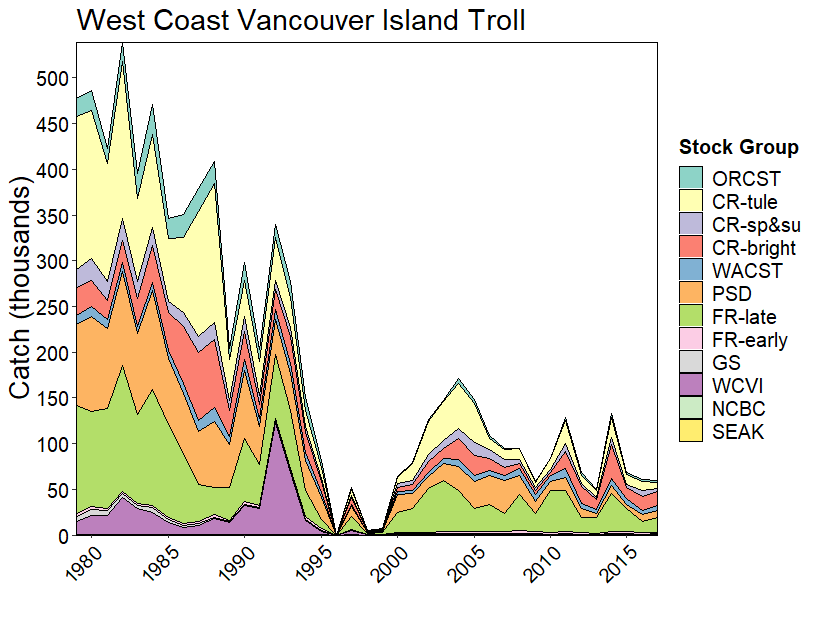
## Appendix E2-Chinook Model Estimates of landed catch stock composition for North British Columbia troll, 1979-2016.



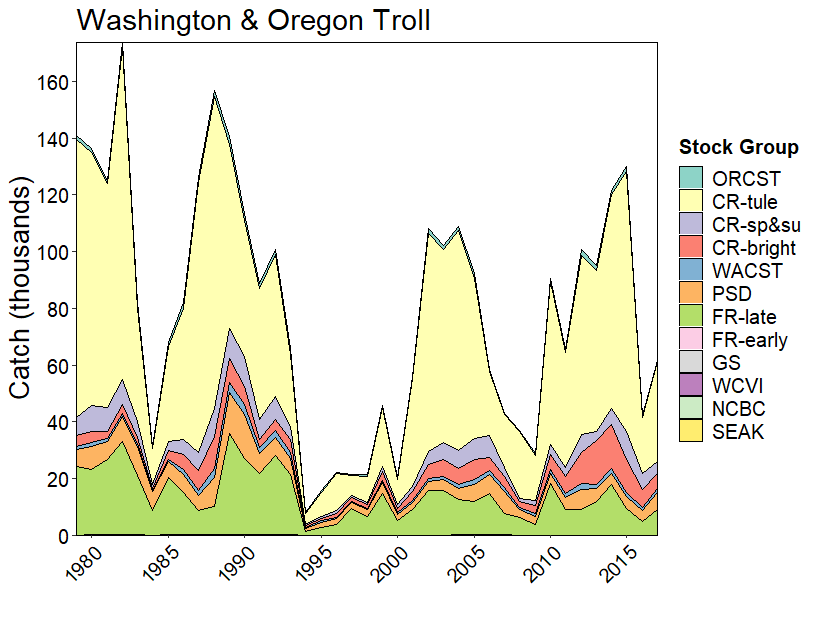
## Appendix E3-Chinook Model Estimates of landed catch stock composition for Central British Columbia troll, 1979-2016.



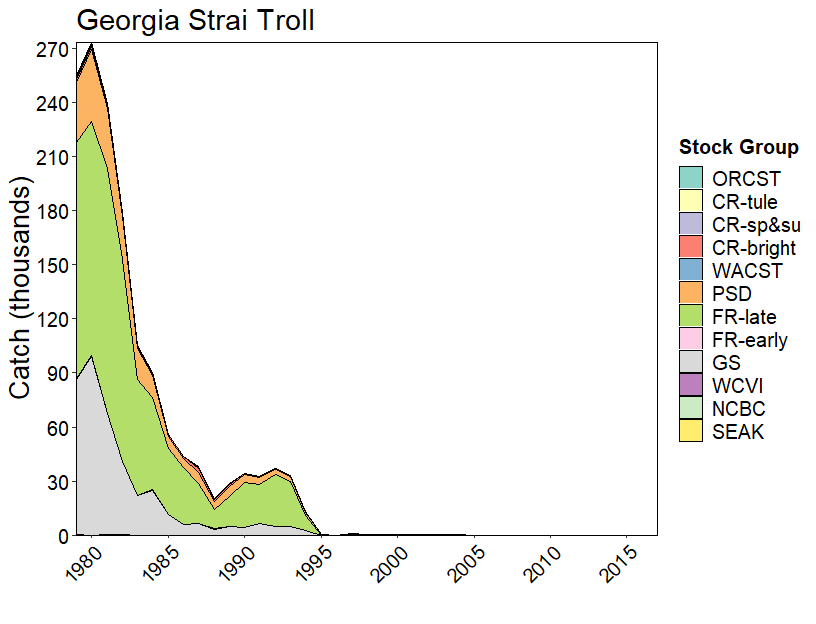
## Appendix E4-Chinook Model Estimates of landed catch stock composition for West Coast Vancouver Island troll, 1979-2016



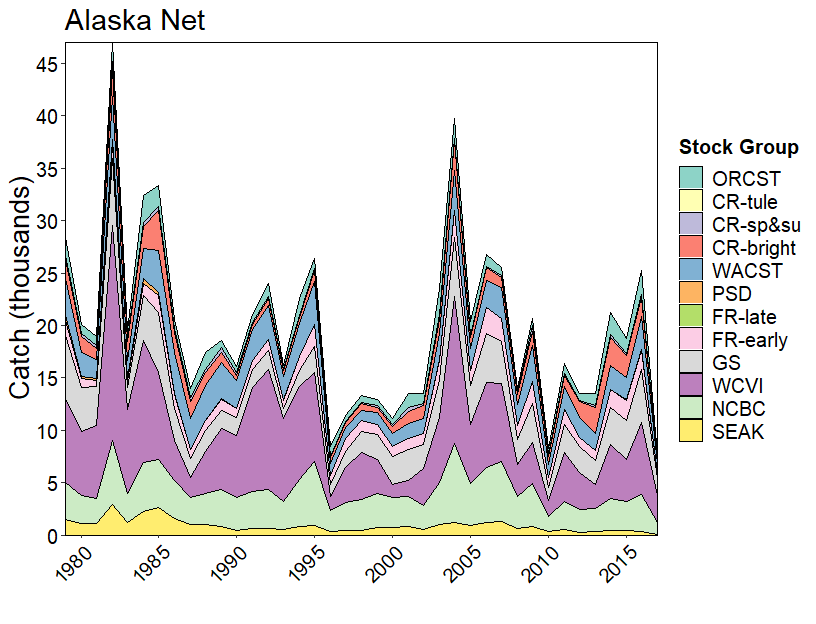
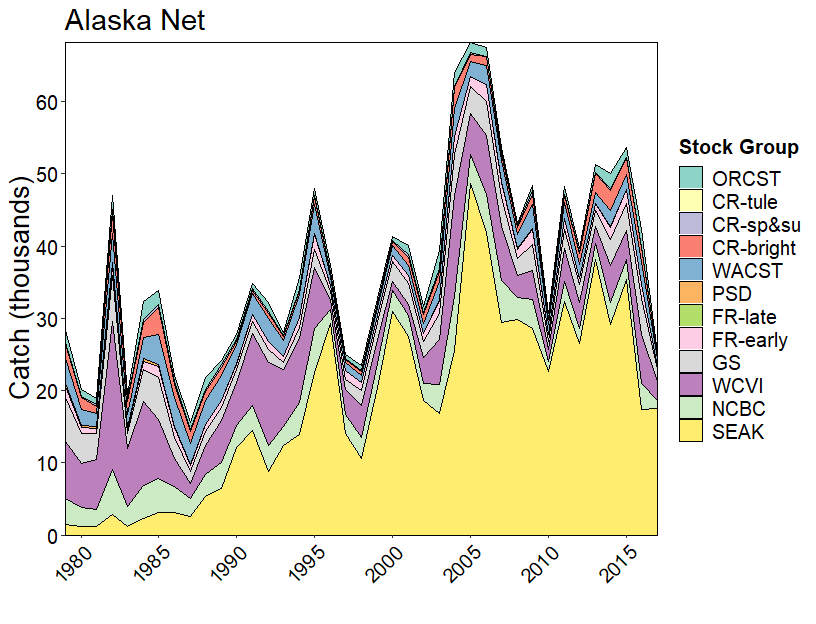
## Appendix E5-Chinook Model Estimates of landed catch stock composition for Washington and Oregon troll, 1979-2016



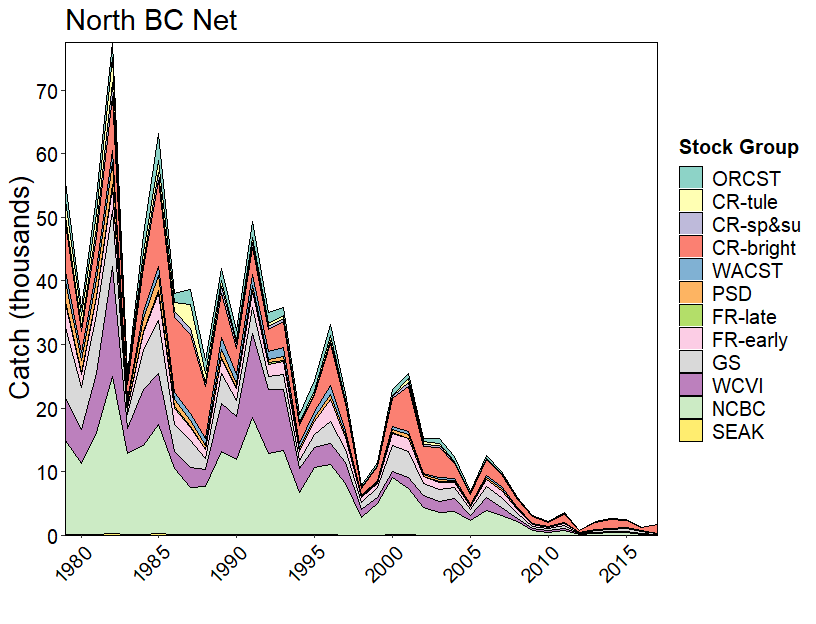
## Appendix E6-Chinook Model Estimates of landed catch stock composition for Strait of Georgia troll, 1979-2016.



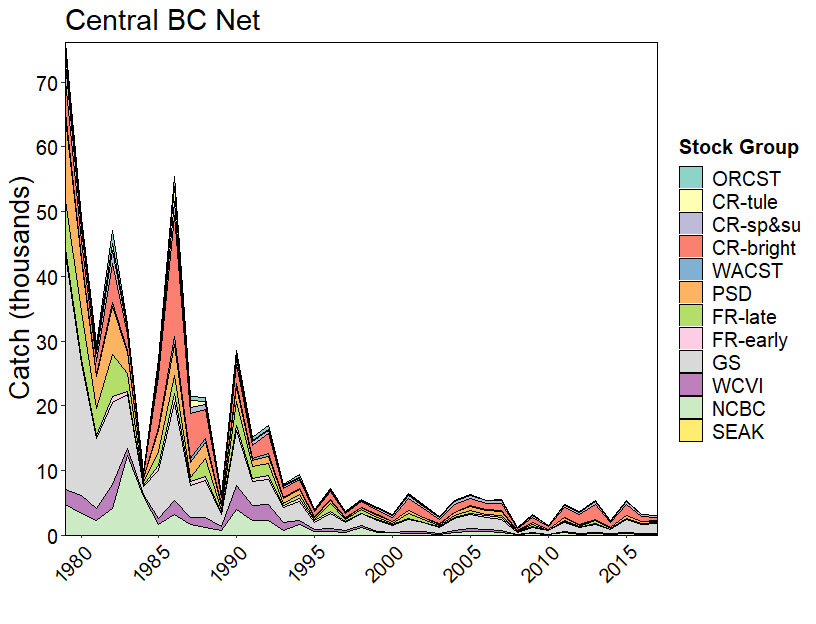
## Appendix E7-Chinook Model Estimates of landed catch stock composition for Alaska net with (upper) and without (lower) hatchery add-on and terminal exclusion, 1979-2016.



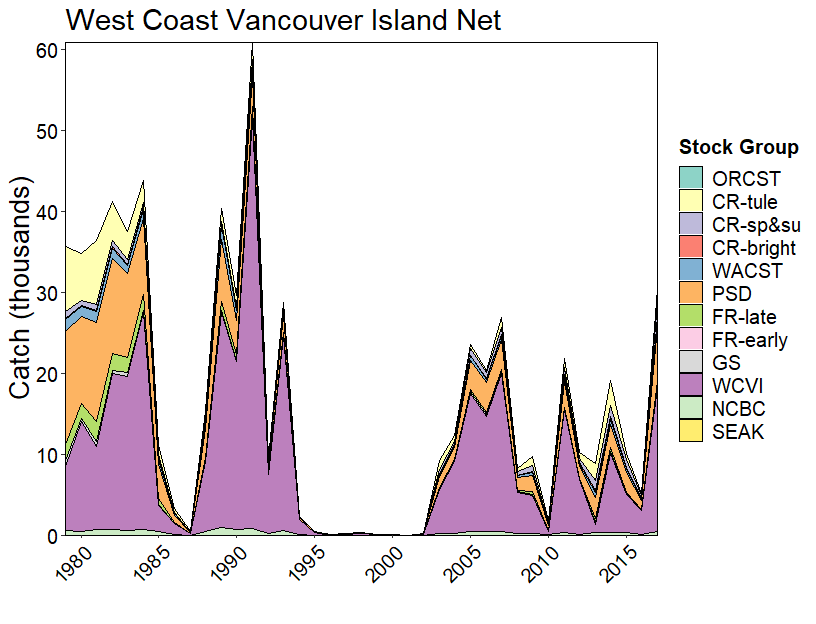
## Appendix E8-Chinook Model Estimates of landed catch stock composition for North British Columbia net, 1979-2016.



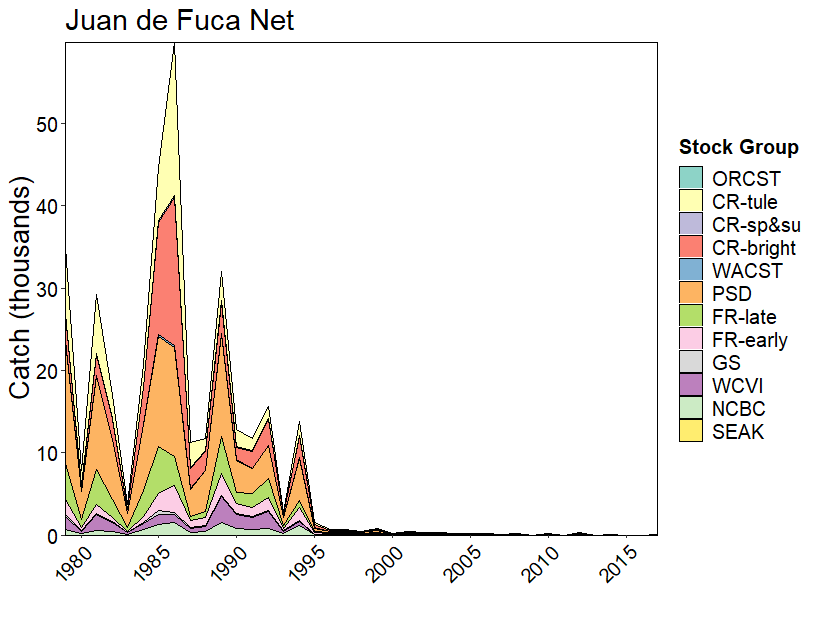
## Appendix E9-Chinook Model Estimates of landed catch stock composition for Central British Columbia net, 1979-2016



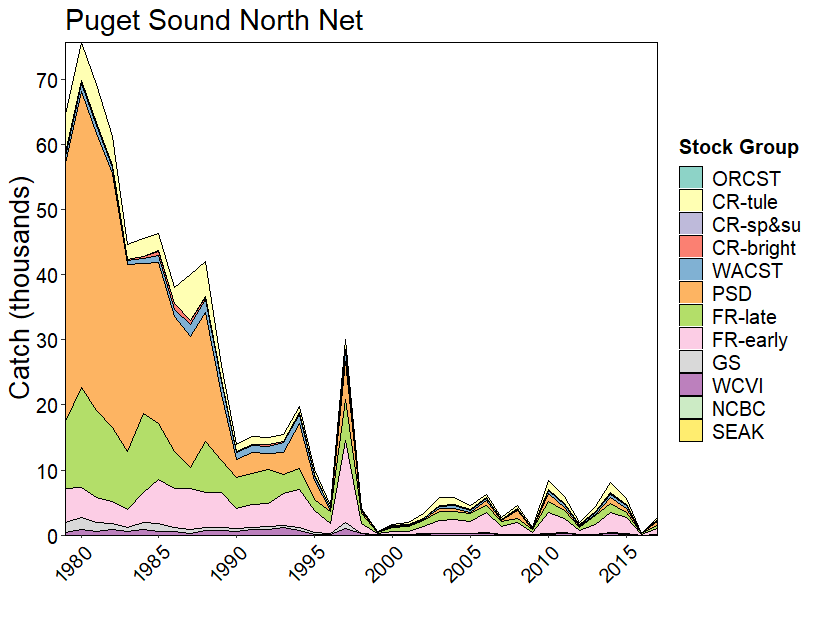
## Appendix E10-Chinook Model Estimates of landed catch stock composition for West Coast Vancouver Island net, 1979-2016



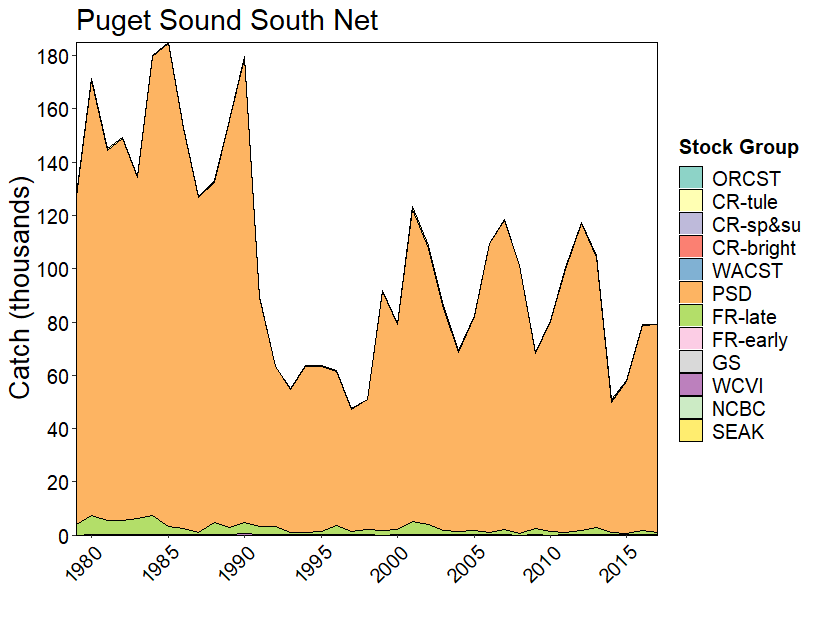
## Appendix E11-Chinook Model Estimates of landed catch stock composition for Strait of Juan de Fuca net, 1979-2016.



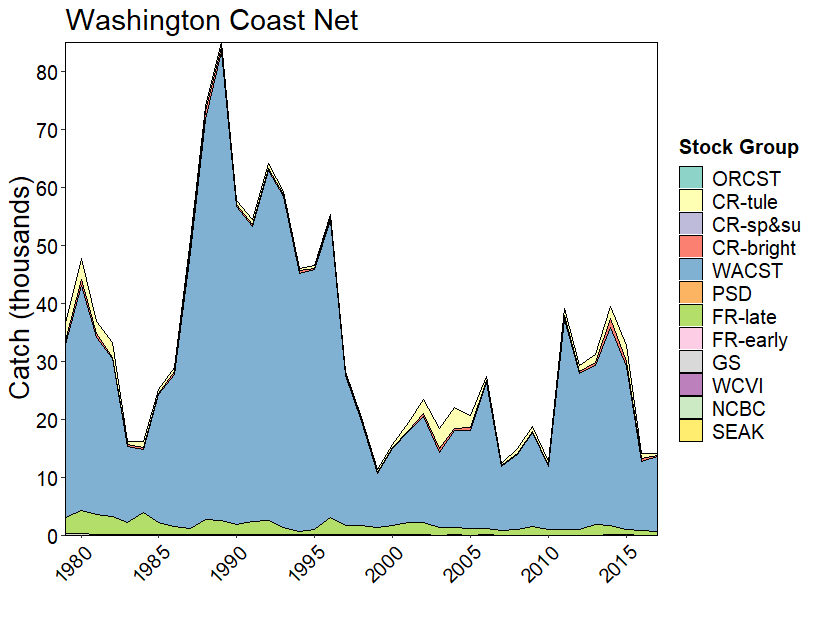
## Appendix E12-Chinook Model Estimates of landed catch stock composition for North Puget Sound net, 1979-2016



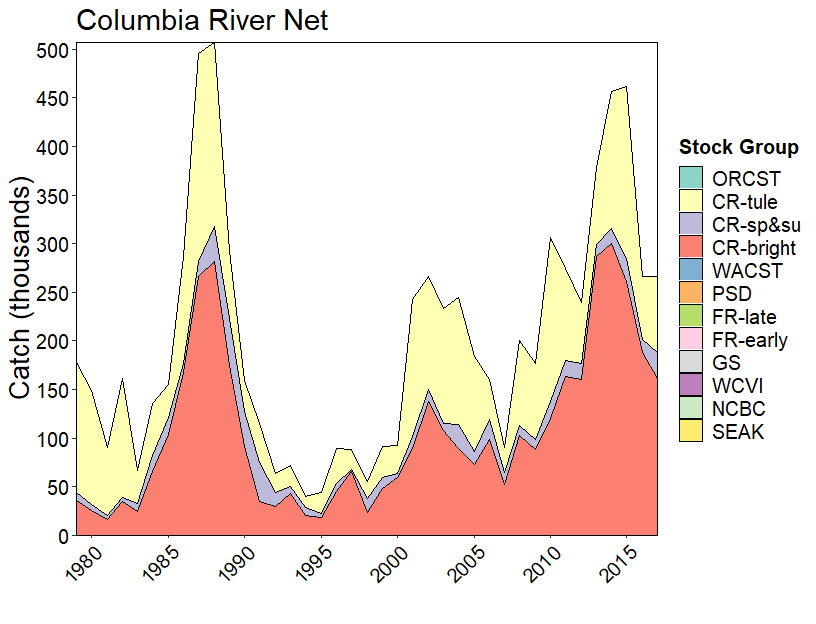
## Appendix E13-Chinook Model Estimates of landed catch stock composition for South Puget Sound net, 1979-2016.



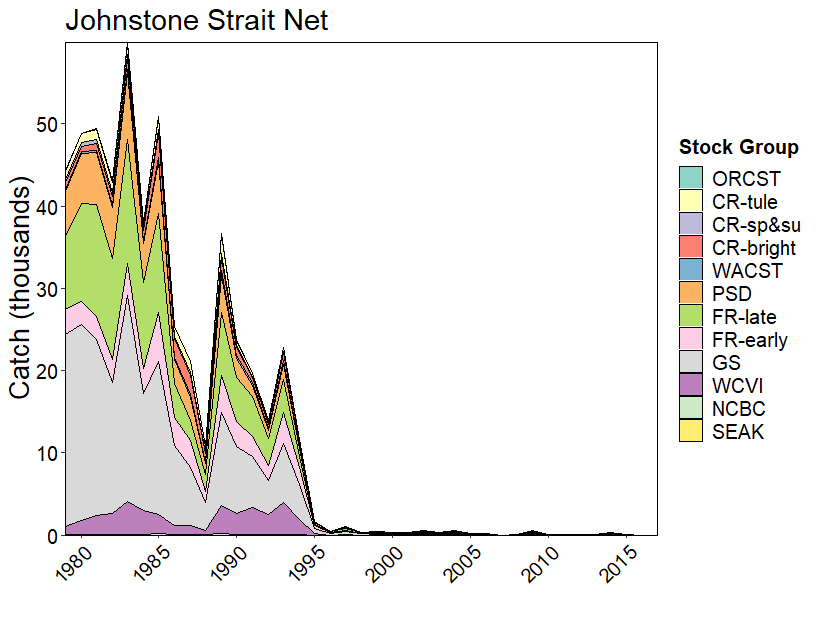
## Appendix E14-Chinook Model Estimates of landed catch stock composition for Washington Coast net, 1979-2016.



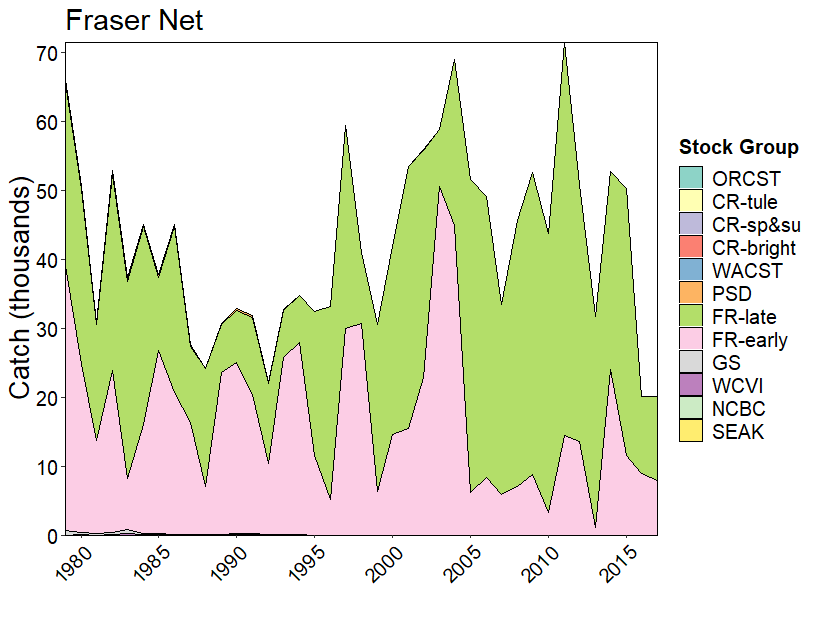
## Appendix E15-Chinook Model Estimates of landed catch stock composition for Columbia River net, 1979-2016.



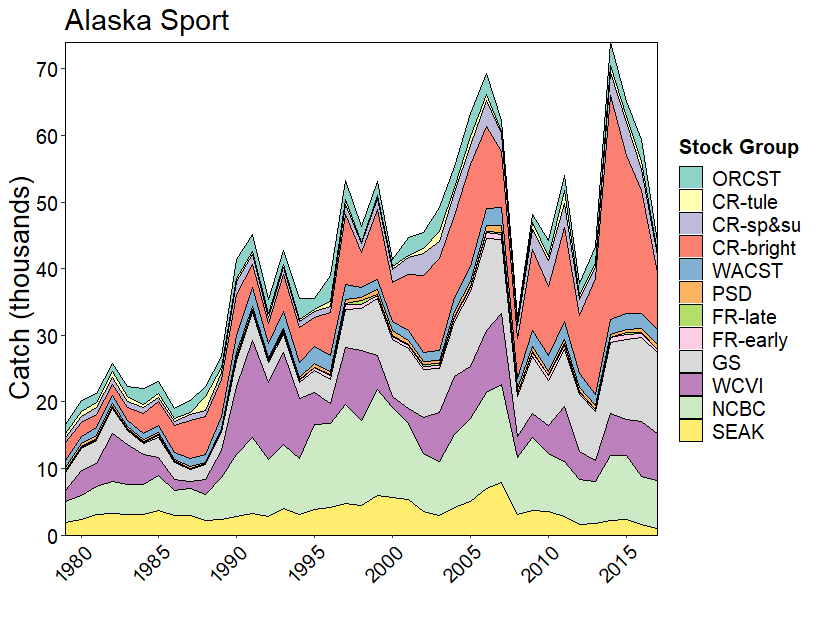
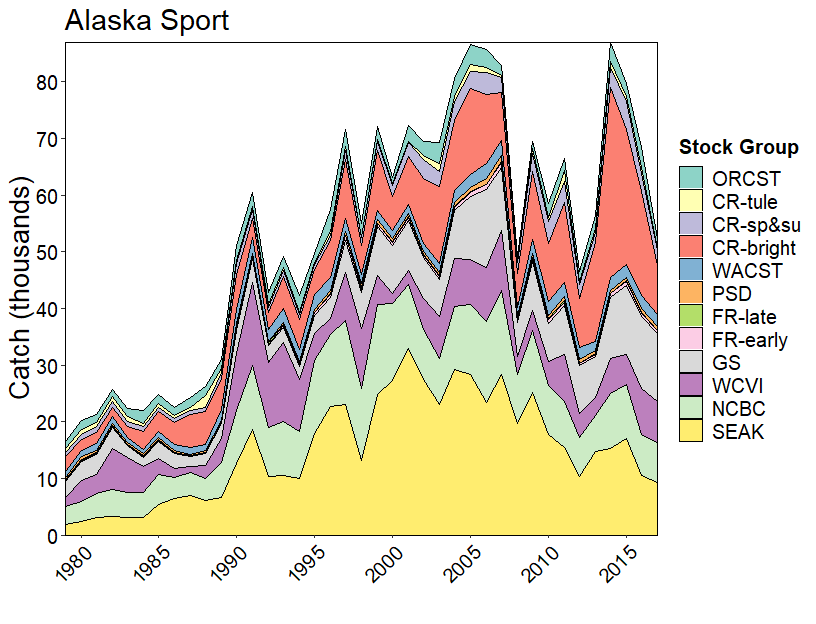
## Appendix E16-Chinook Model Estimates of landed catch stock composition for Johnstone Strait net, 1979-2016.



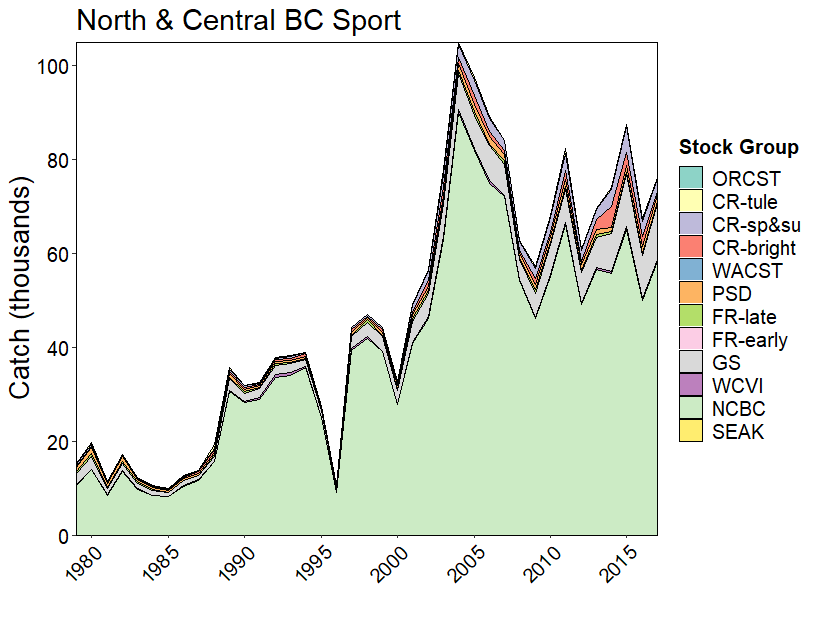
## Appendix E17-Chinook Model Estimates of landed catch stock composition for Fraser River net, 1979-2016.



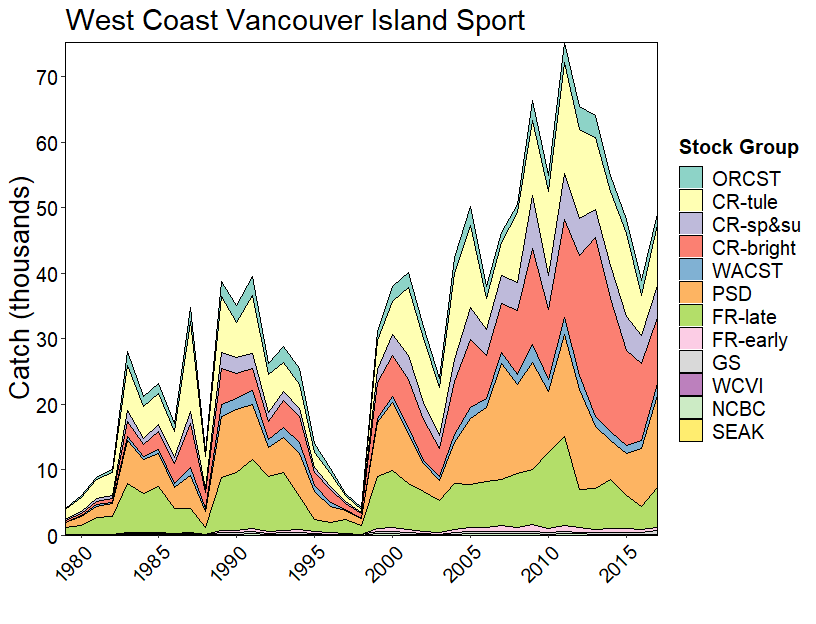
## Appendix E18-Chinook Model Estimates of landed catch stock composition for Alaska sport with (upper) and without (lower) Alaska hatchery add-on and terminal exclusion, 1979-2016.



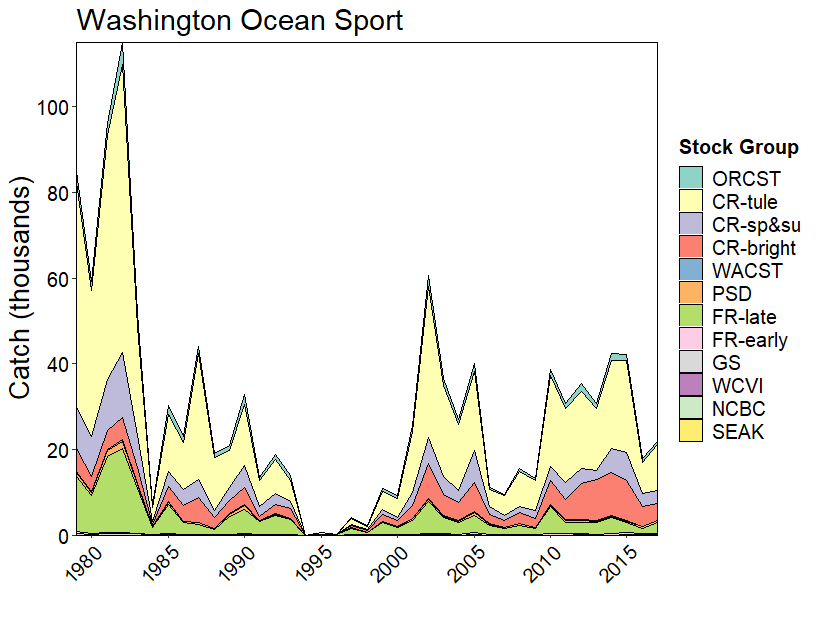
## Appendix E19-Chinook Model Estimates of landed catch stock composition for North and Central British Columbia sport, 1979-2016.



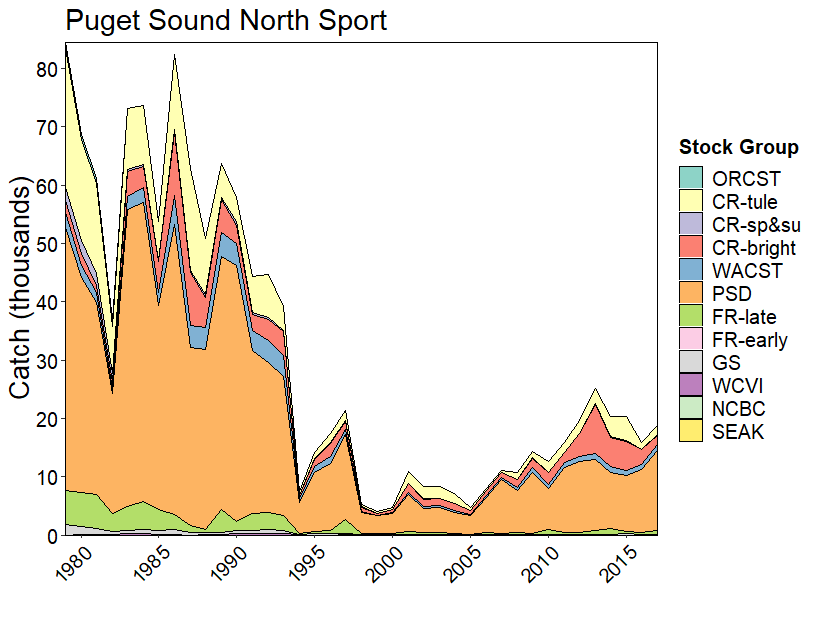
## Appendix E20-Chinook Model Estimates of landed catch stock composition for West Coast Vancouver Island sport, 1979-2016.



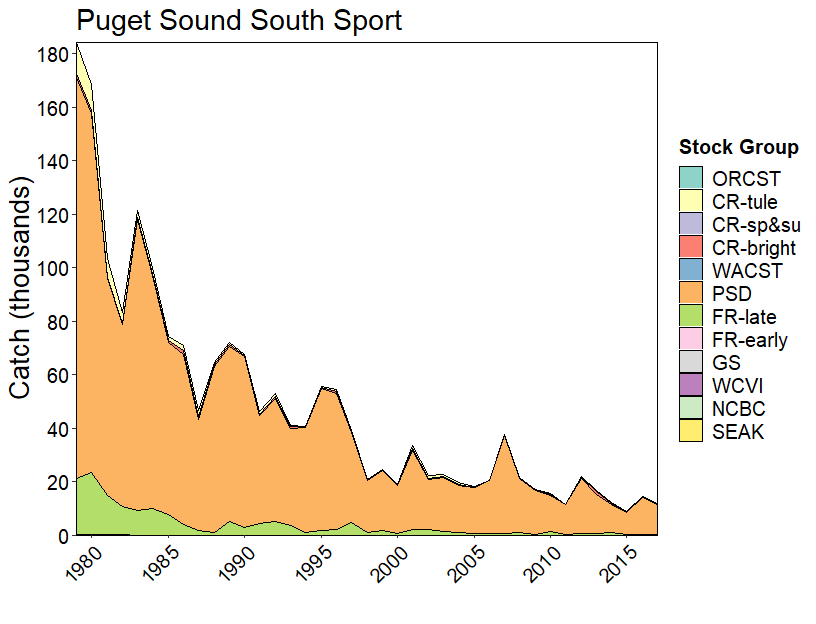
## Appendix E21-Chinook Model Estimates of landed catch stock composition for Washington Ocean sport, 1979-2016.



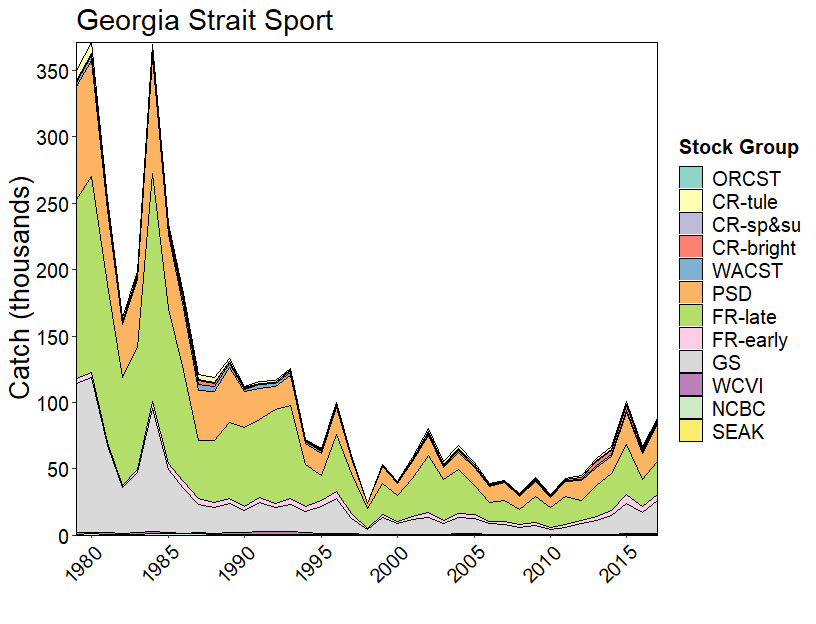
## Appendix E22-Chinook Model Estimates of landed catch stock composition for North Puget Sound sport, 1979-2016.



## Appendix E23-Chinook Model Estimates of landed catch stock composition for South Puget Sound sport, 1979-2016.



## Appendix E24-Chinook Model Estimates of landed catch stock composition for Strait of Georgia sport, 1979-2016.



## Appendix E25-Chinook Model Estimates of landed catch stock composition for Terminal sport, 1979-2016.

