

Recent Trends in Cowlitz River Salmon and Steelhead Harvest

Josua Holowatz – WDFW District Fish Biologist

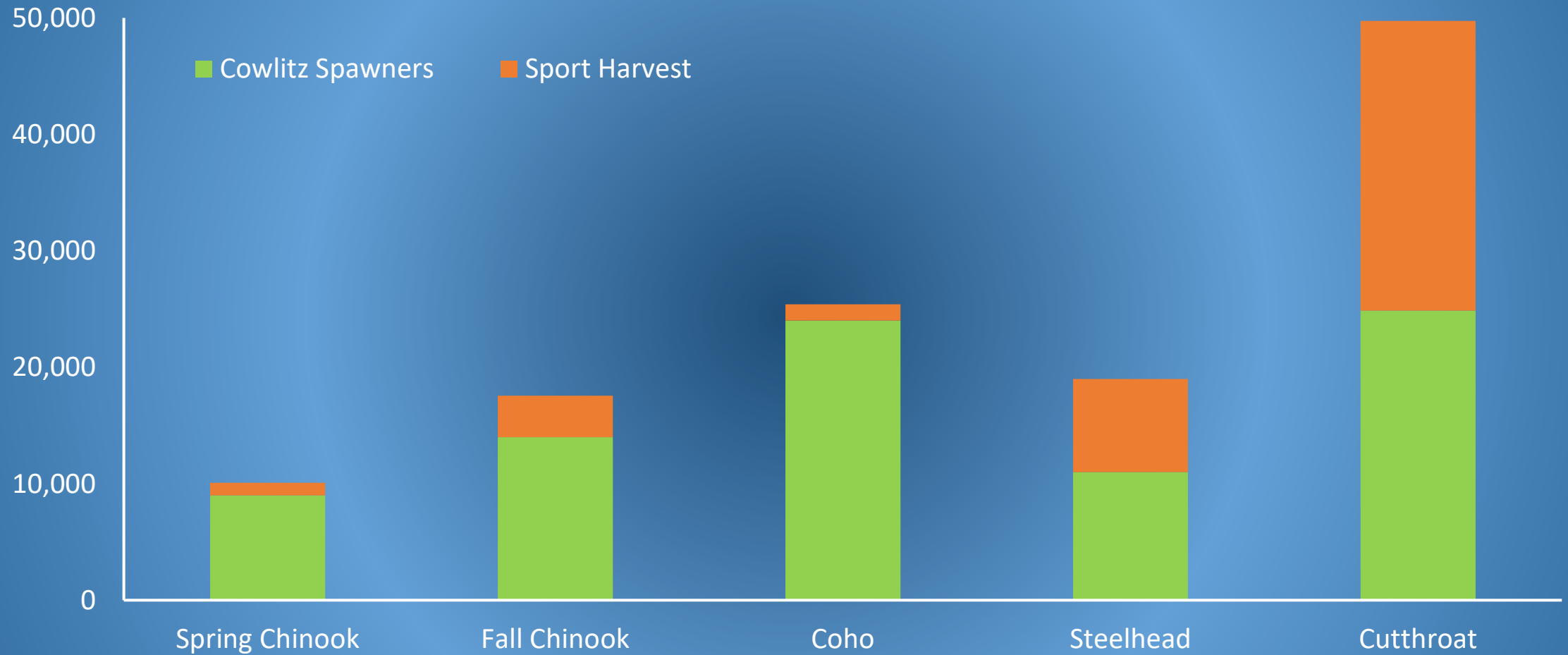
John Serl – WDFW Cowlitz River Biologist



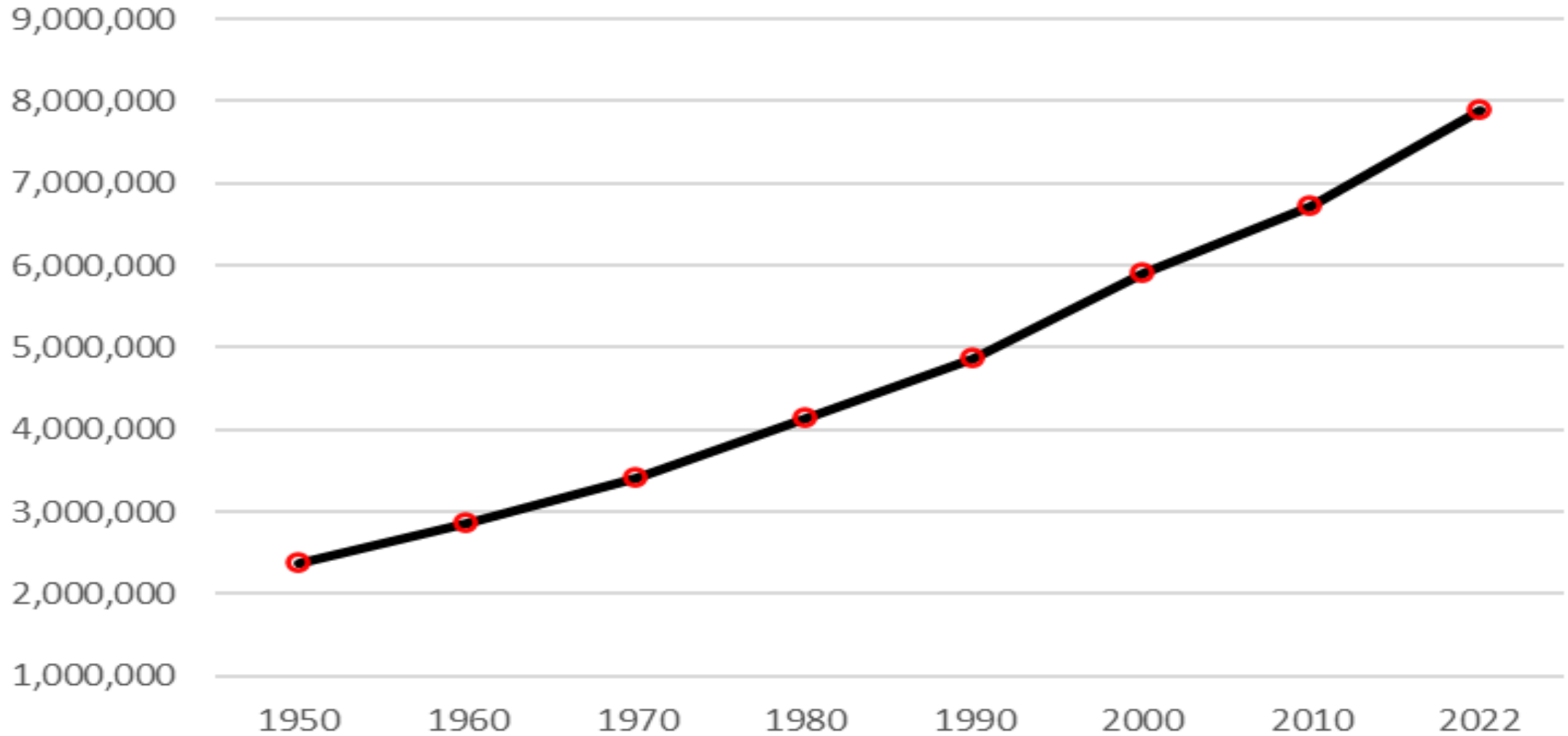
Cowlitz River Annual Program Review
and Fisheries Science Conference

April 21, 2022

1948 Cowlitz River Catch and Spawners



Washington State Population Growth



Source: U.S. Census Bureau

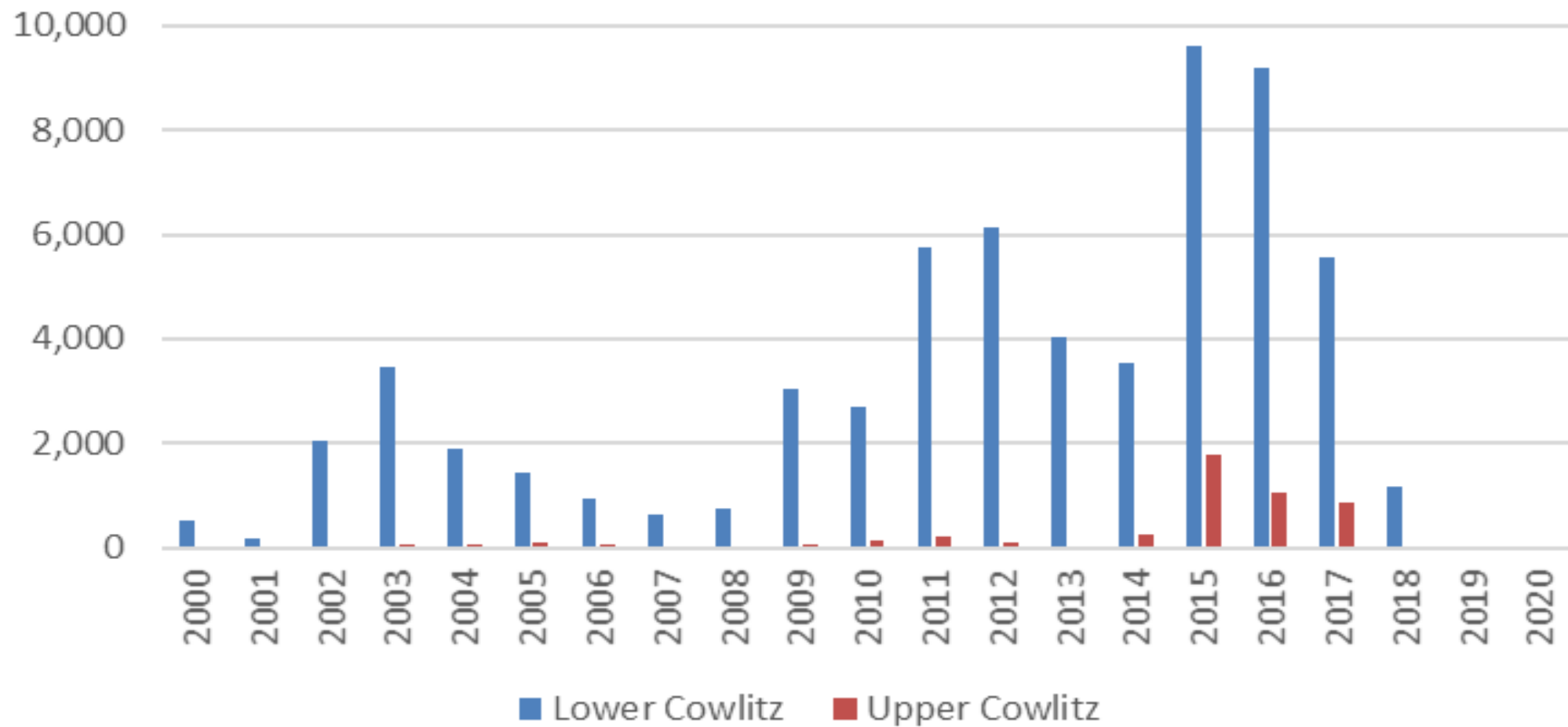
*Estimated

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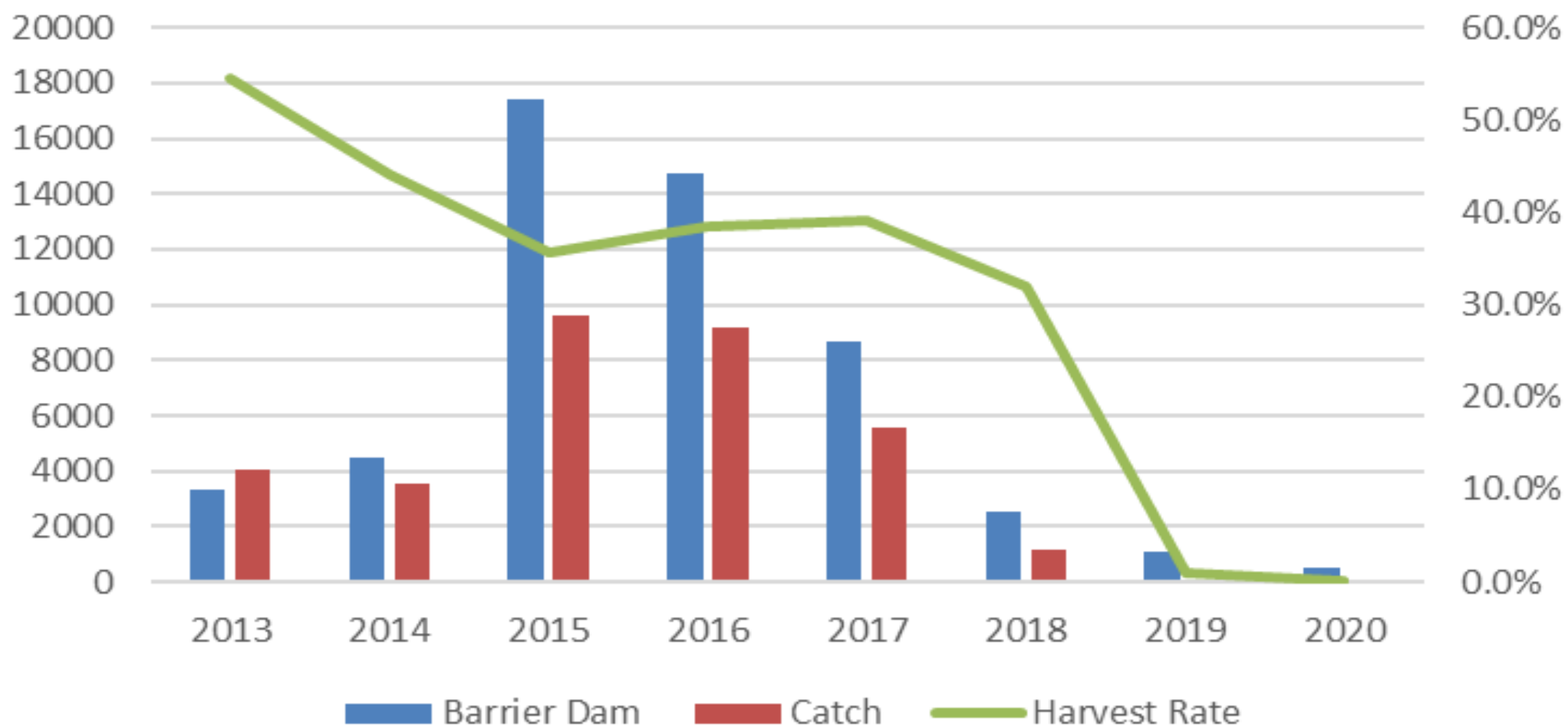
Data Sources:

- Barrier Dam Adult Facility is Operated by Tacoma Power
 - TPU maintains database
 - Broodstock collection, transportation to Upper Cowlitz and Tilton
- WDFW Lower Cowlitz Spot Creel (Tacoma Power-funded)
 - Mark Selective Fisheries: Natural origin fish released
 - General conditions
- WDFW Catch Record Card Estimates
 - Washington State Sports Catch reports
 - Estimates are expanded from a sub-sample of returned cards
 - *See reports for full methods*

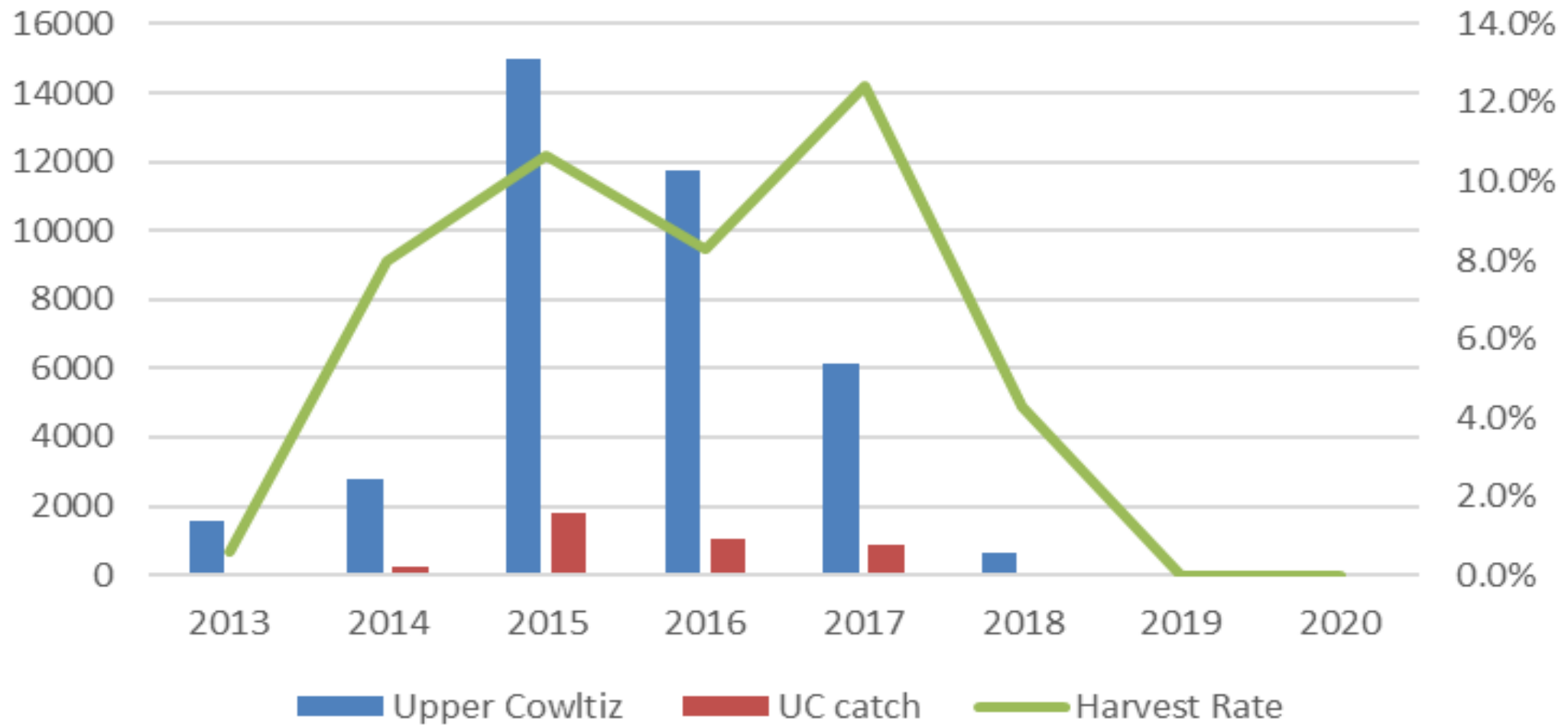
Cowlitz Spring Chinook Harvest 2000-2020



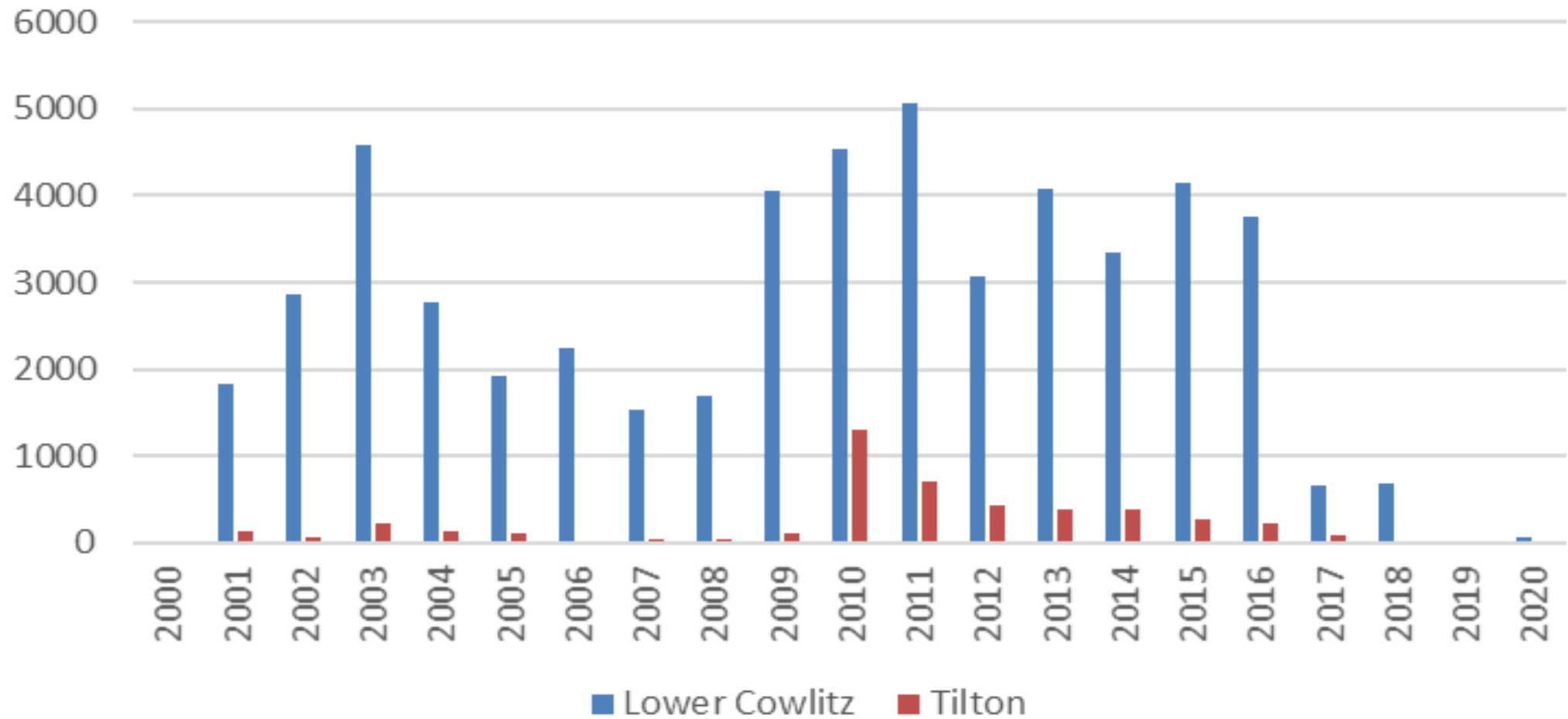
Lower Cowlitz Spring Chinook 2013-2020



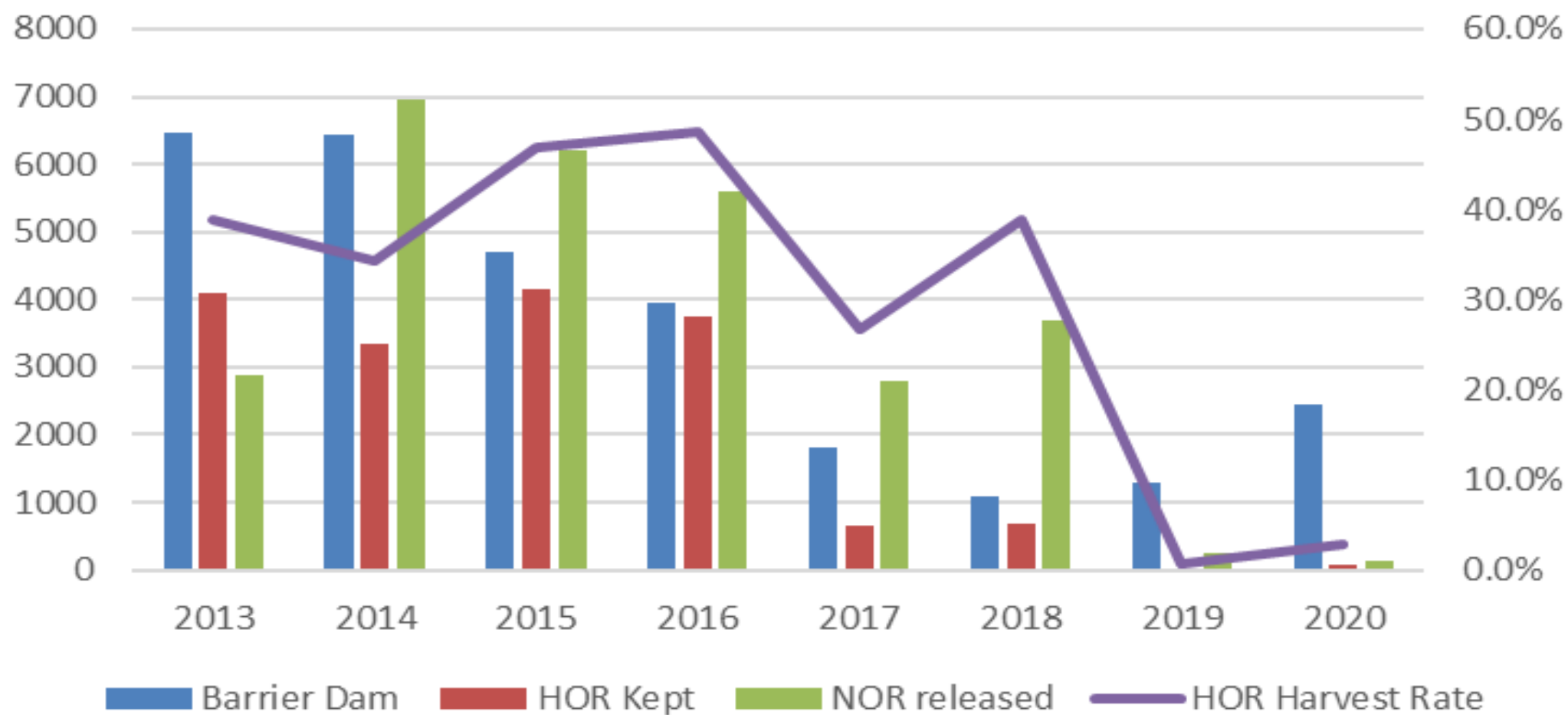
Upper Cowlitz Spring Chinook 2013-2020



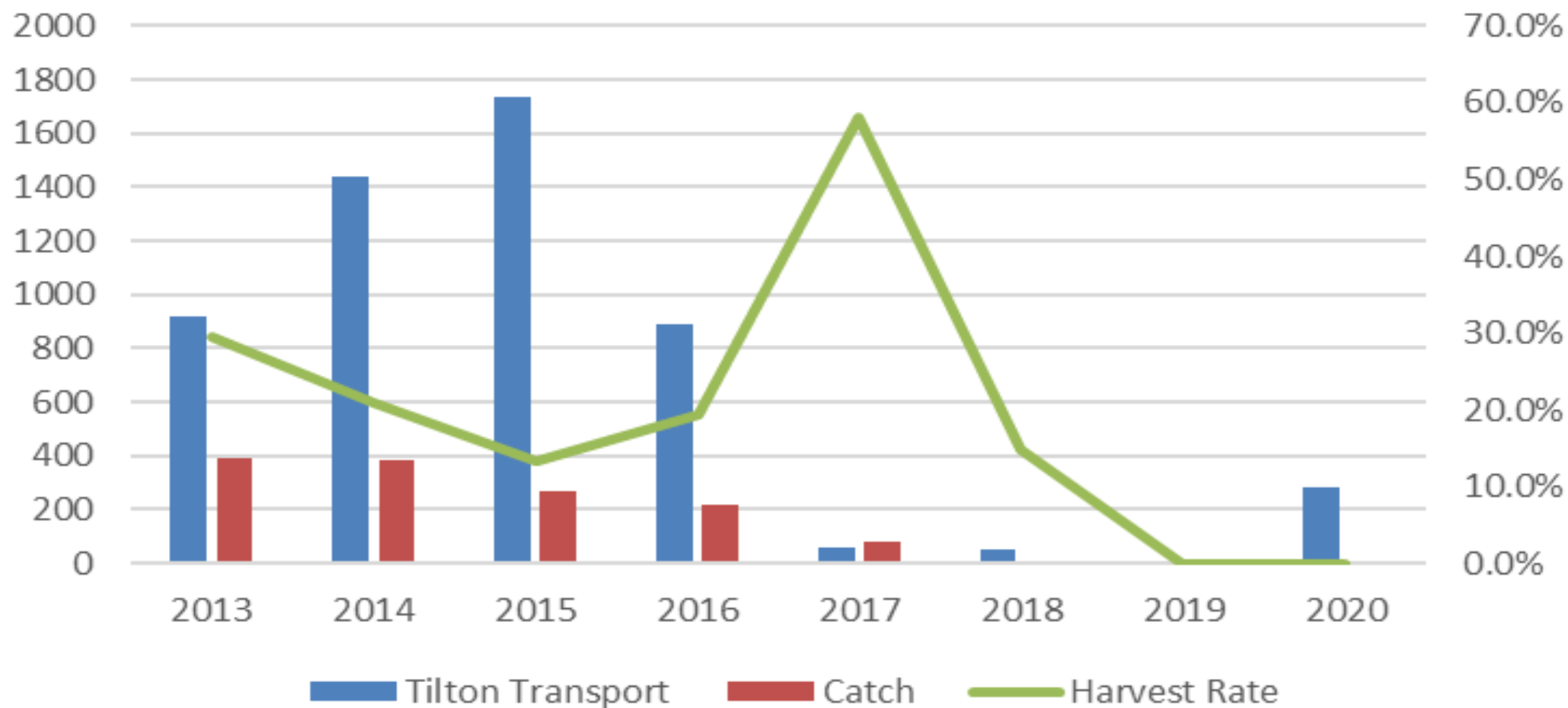
Cowlitz Fall Chinook Harvest 2000-2020



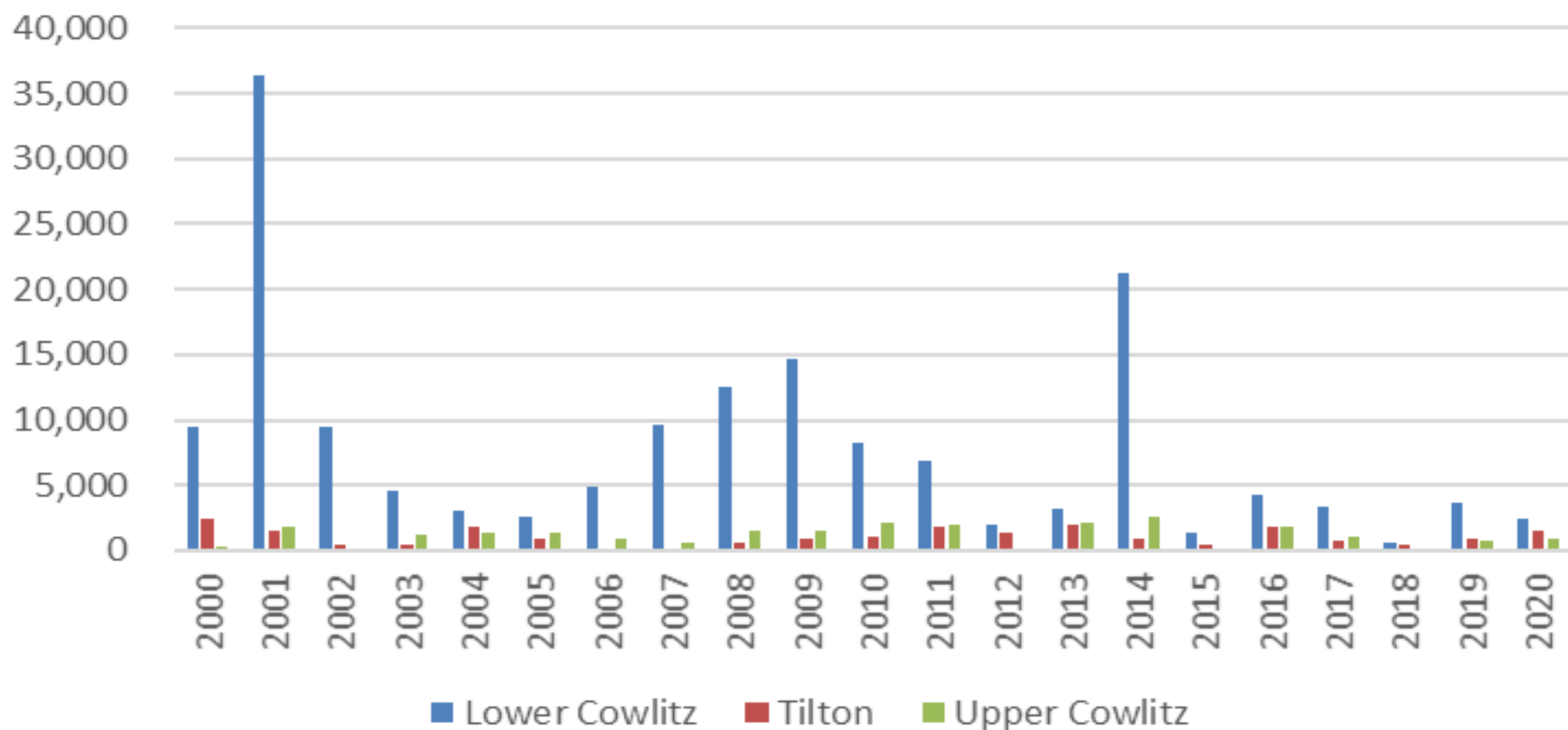
Lower Cowlitz Fall Chinook 2013-2020



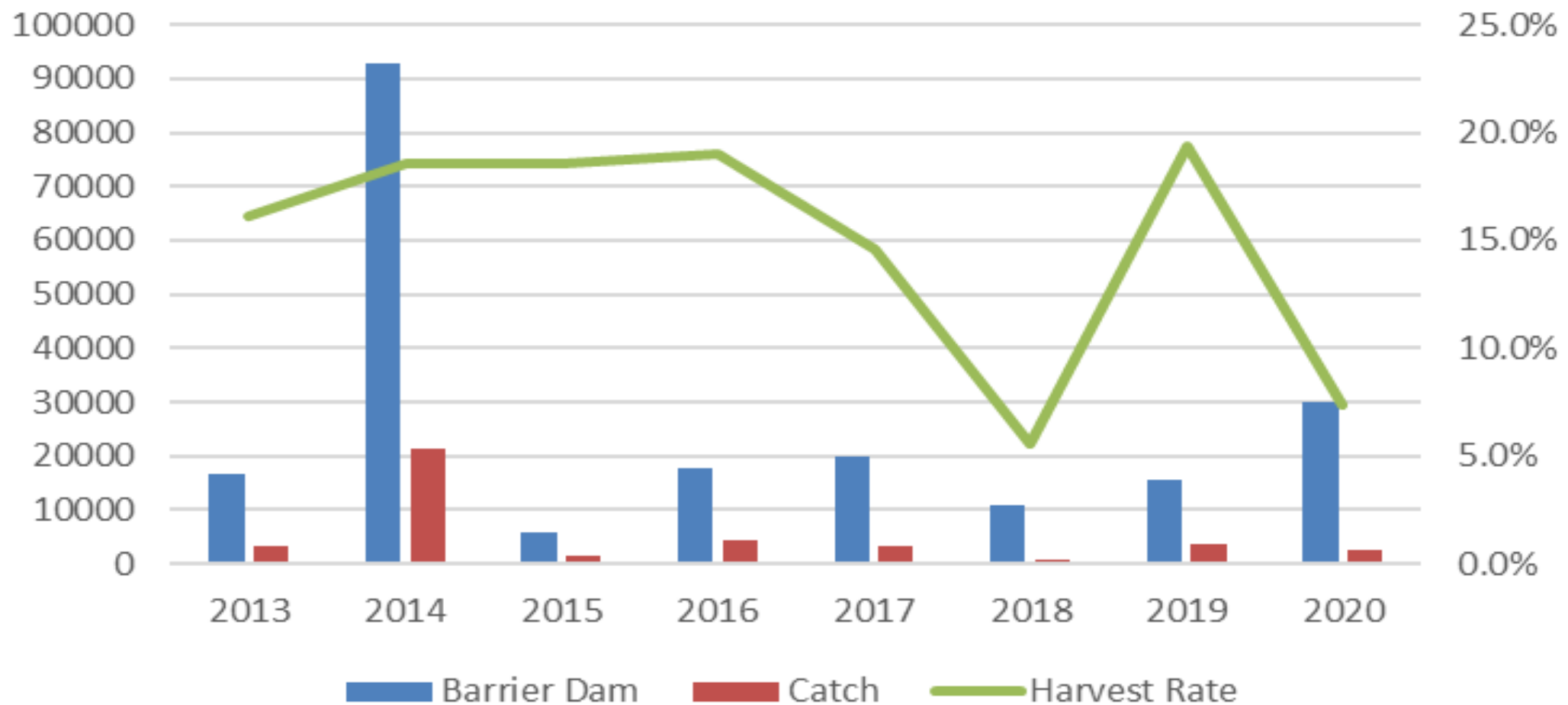
Tilton Fall Chinook 2013-2020



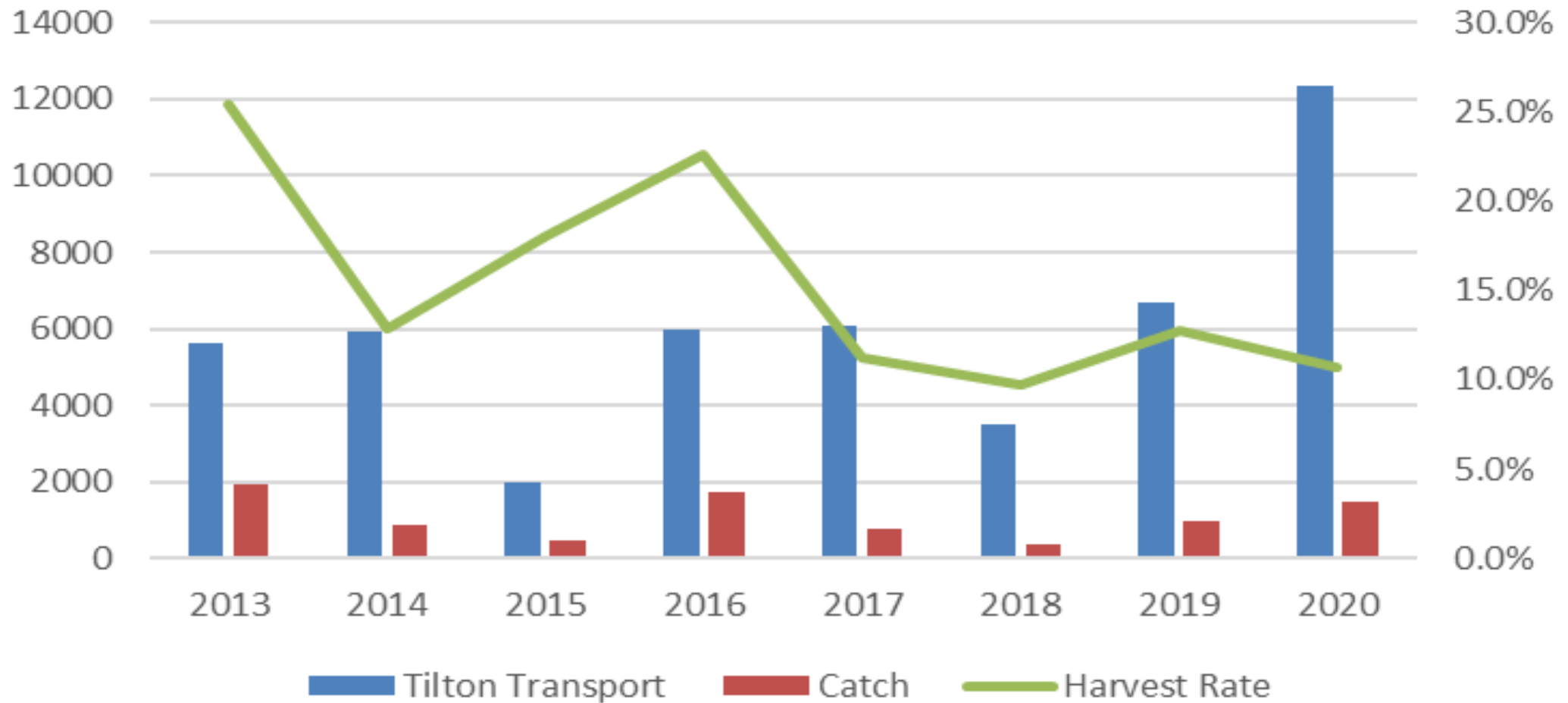
Cowlitz Coho Harvest 2000-2020



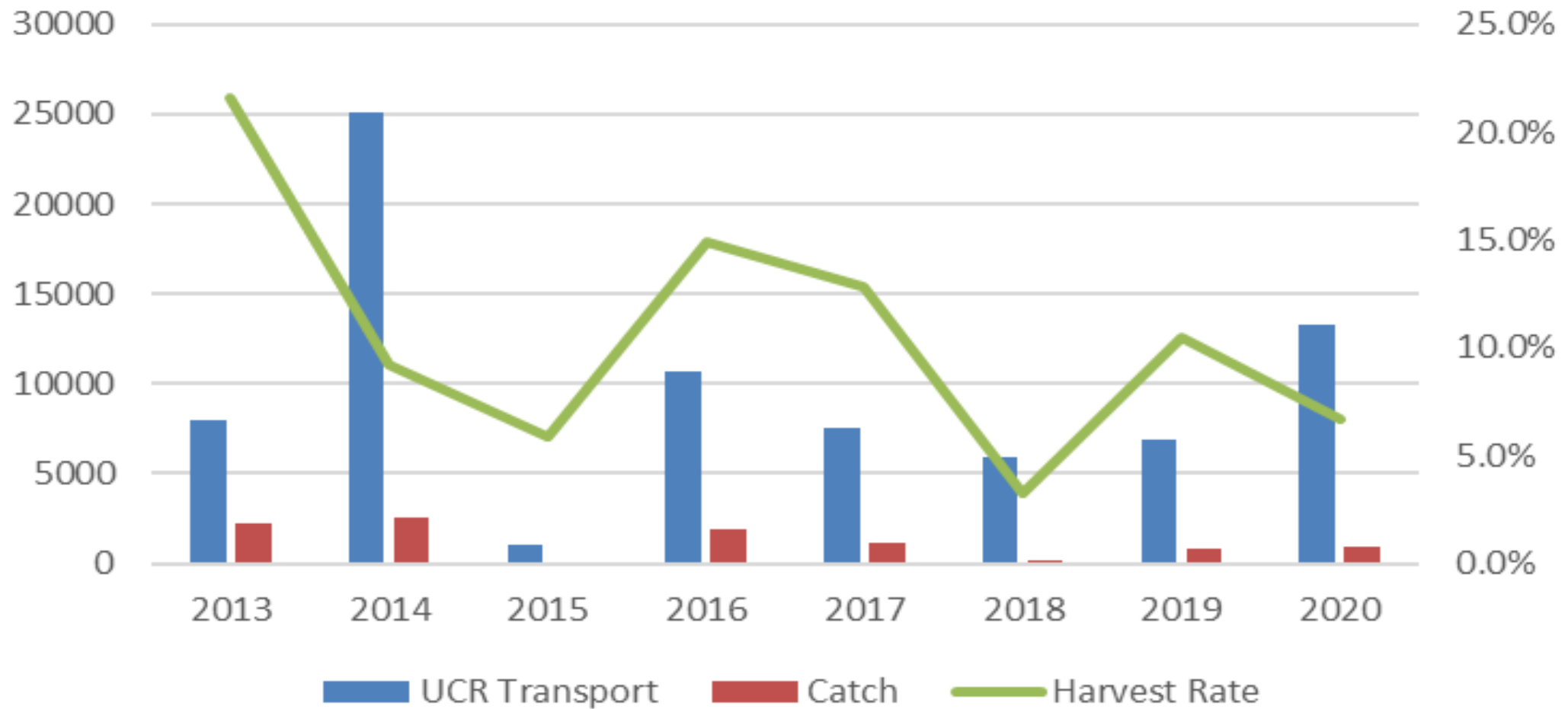
Lower Cowlitz Coho Harvest 2013-2020



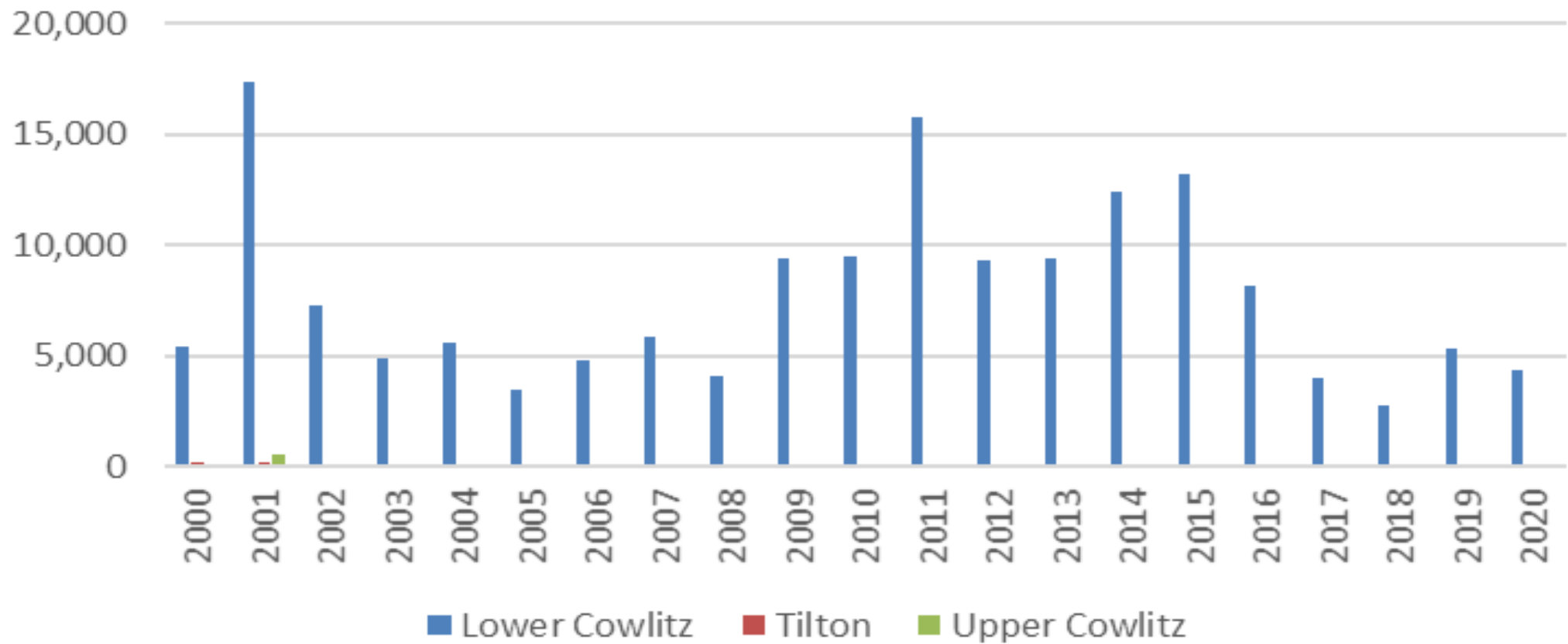
Tilton Coho Harvest 2013-2020



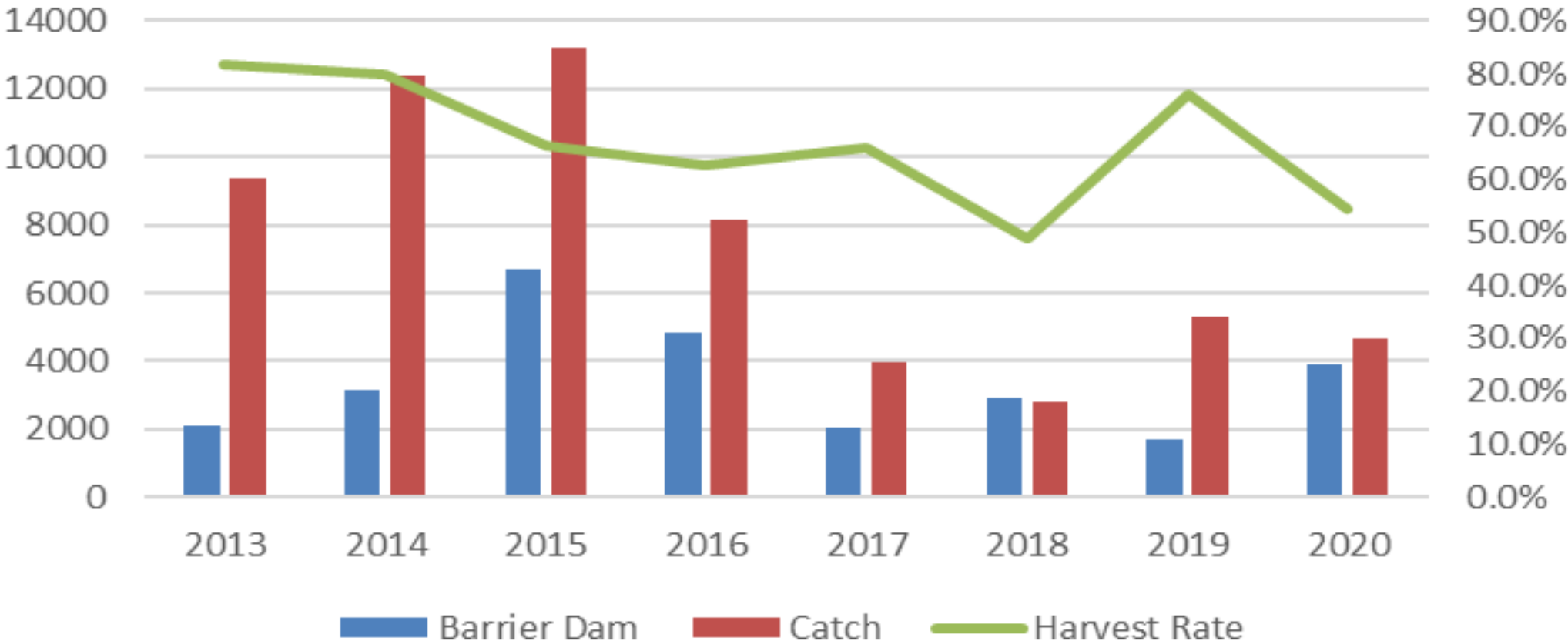
Upper Cowlitz Coho Harvest 2013-2020



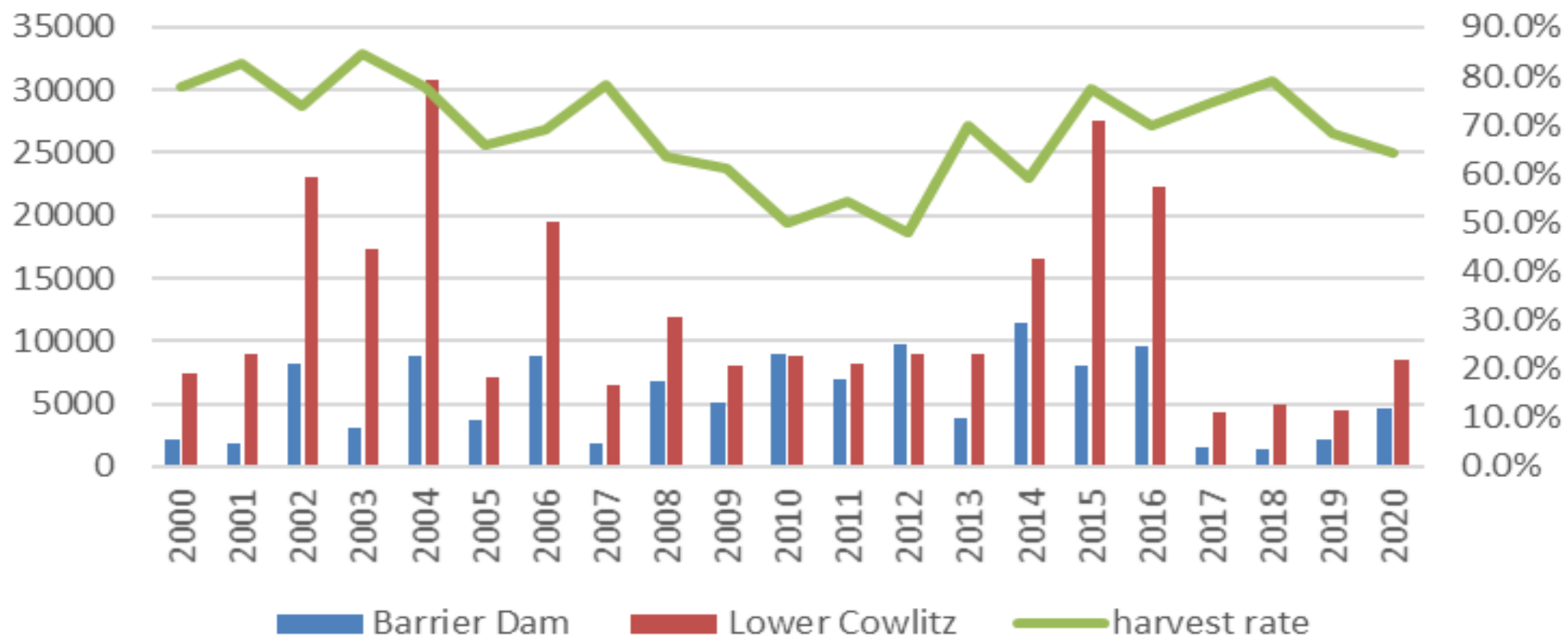
Cowlitz Winter Steelhead Harvest 2000-2020



Lower Cowlitz Winter Steelhead Harvest 2013-2020



Lower Cowlitz Summer Steelhead Harvest 2000-2020



Cowlitz Harvest Year in Review

- Spring Chinook Harvest Rates
 - Lower Cowlitz = 0%, Upper Cowlitz = 0% Season Closed
- Fall Chinook
 - Lower Cowlitz = 2.9%, Tilton = 0% Truncated Season
- Coho
 - Lower Cowlitz = 7.4%, Tilton = 10.7%, U Cowlitz = 6.7%
- Winter Steelhead
 - Lower Cowlitz = 54.4%
- Summer Steelhead
 - Lower Cowlitz = 64.4%

- Searun Cutthroat return= 6722

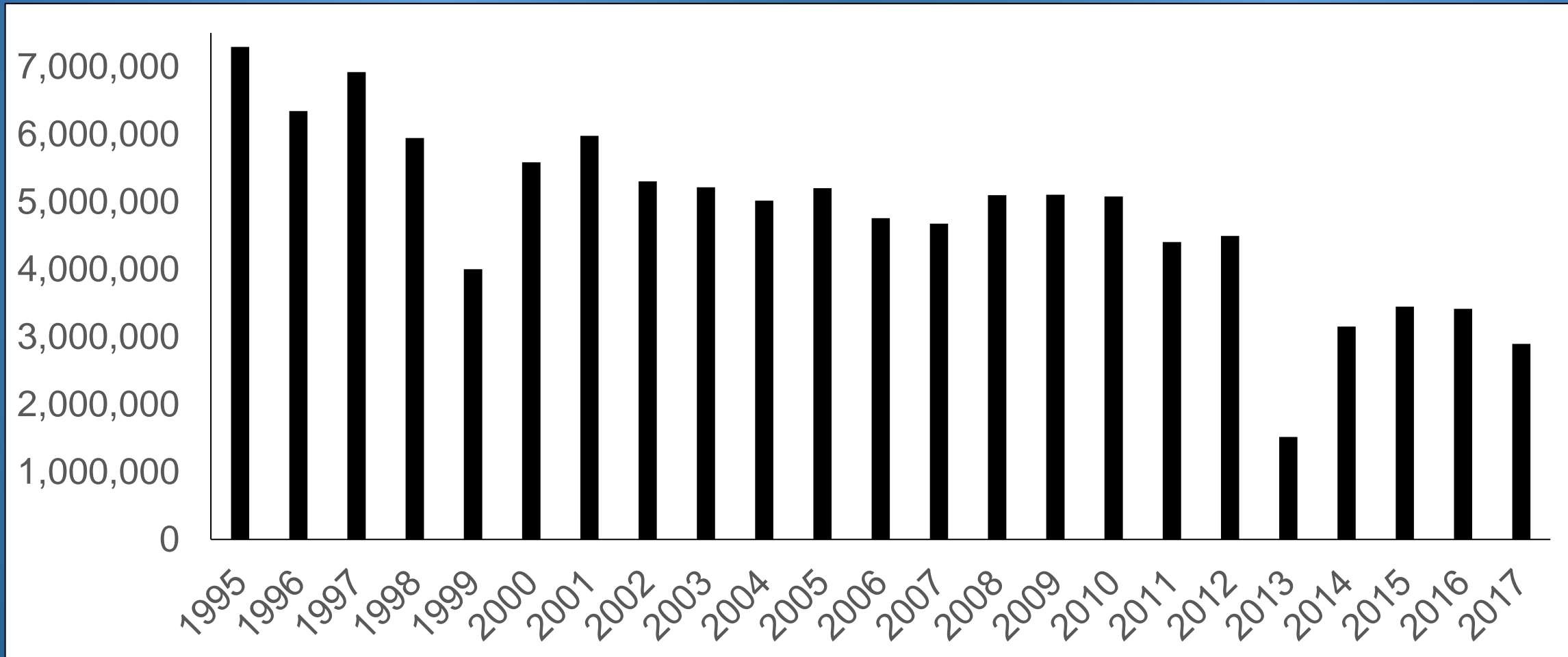
Acknowledgments

- WDFW: Eric Kraig, Tracy Scalici, Chris Gleizes
- Tacoma Power: Eric Shoblom, Jamie Murphy, Scott Gibson, Missy Baier

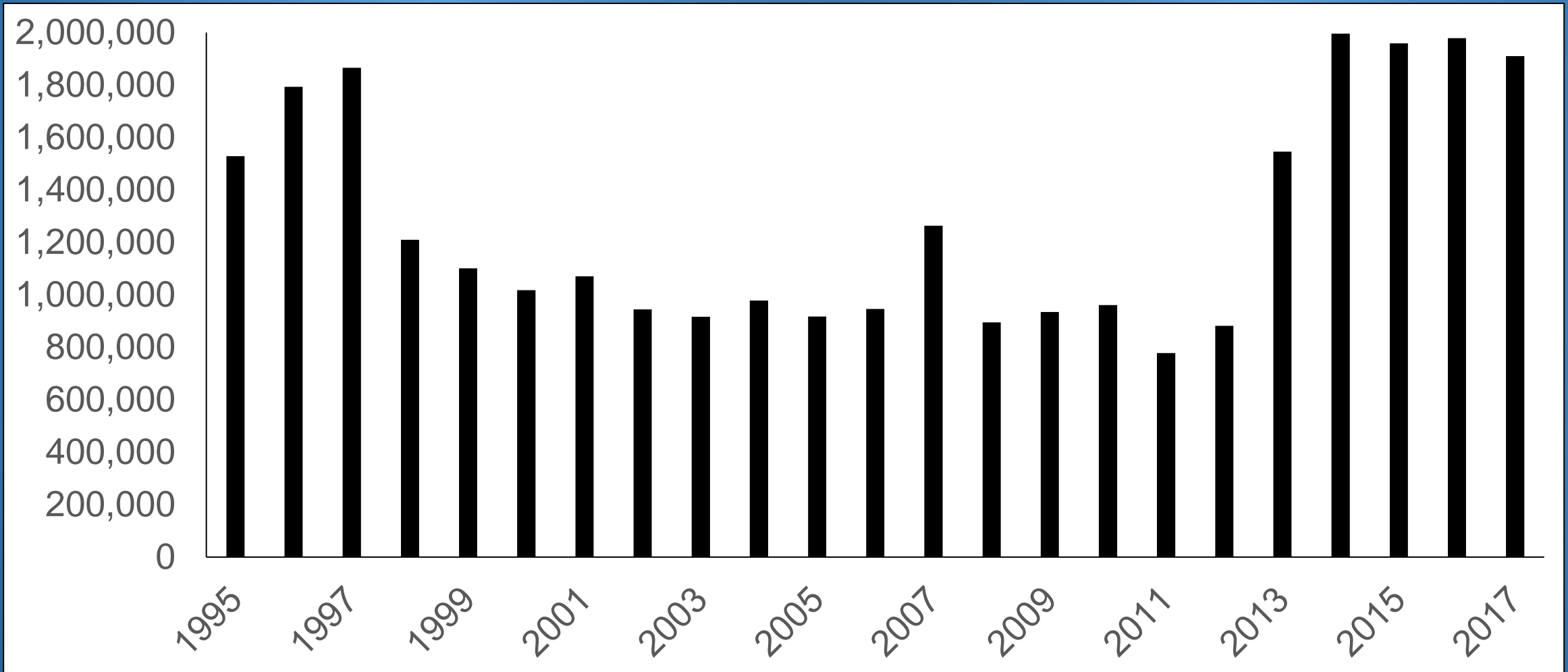
Questions?



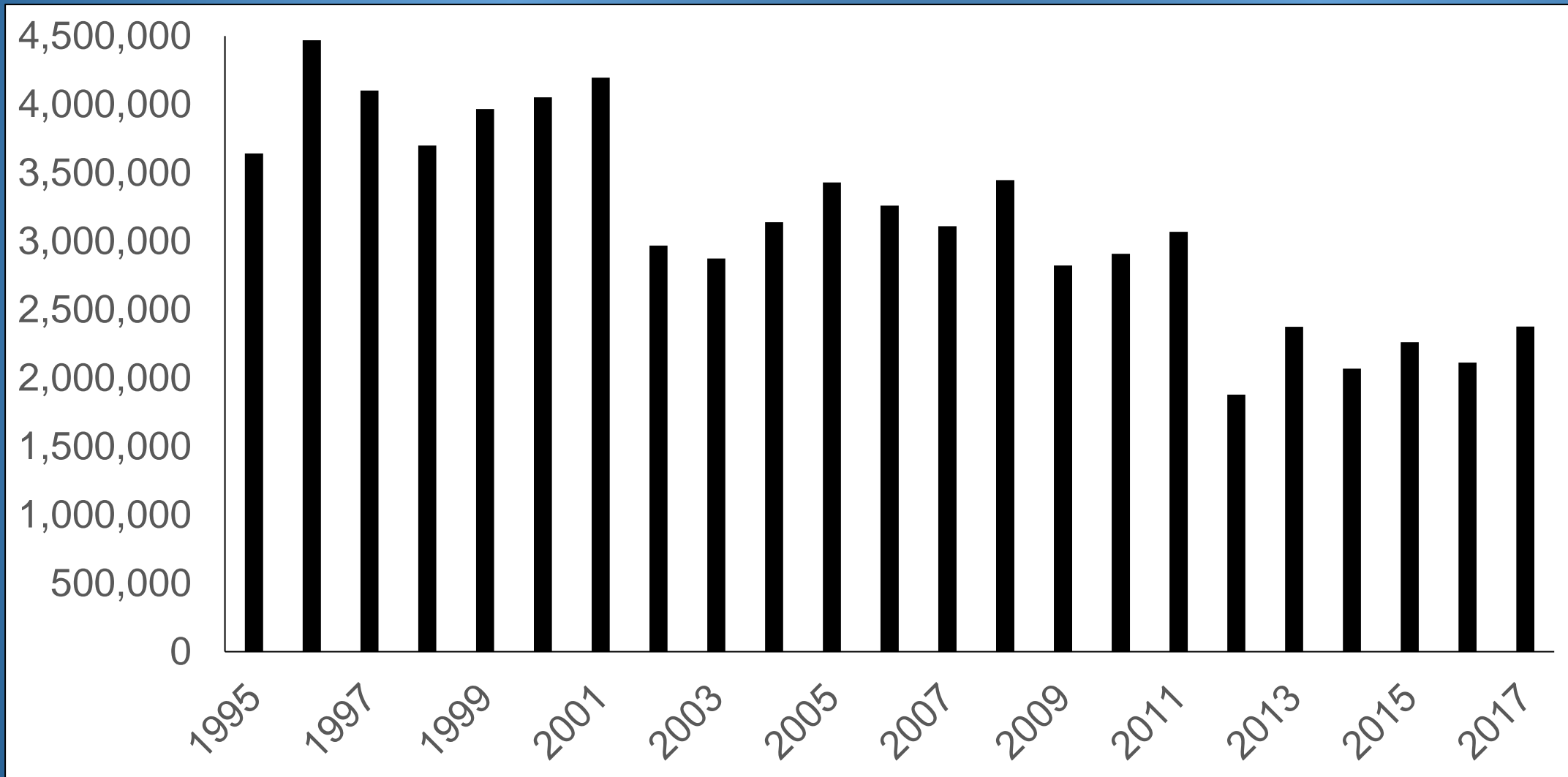
Fall Chinook Juvenile Hatchery Releases 1995-2017



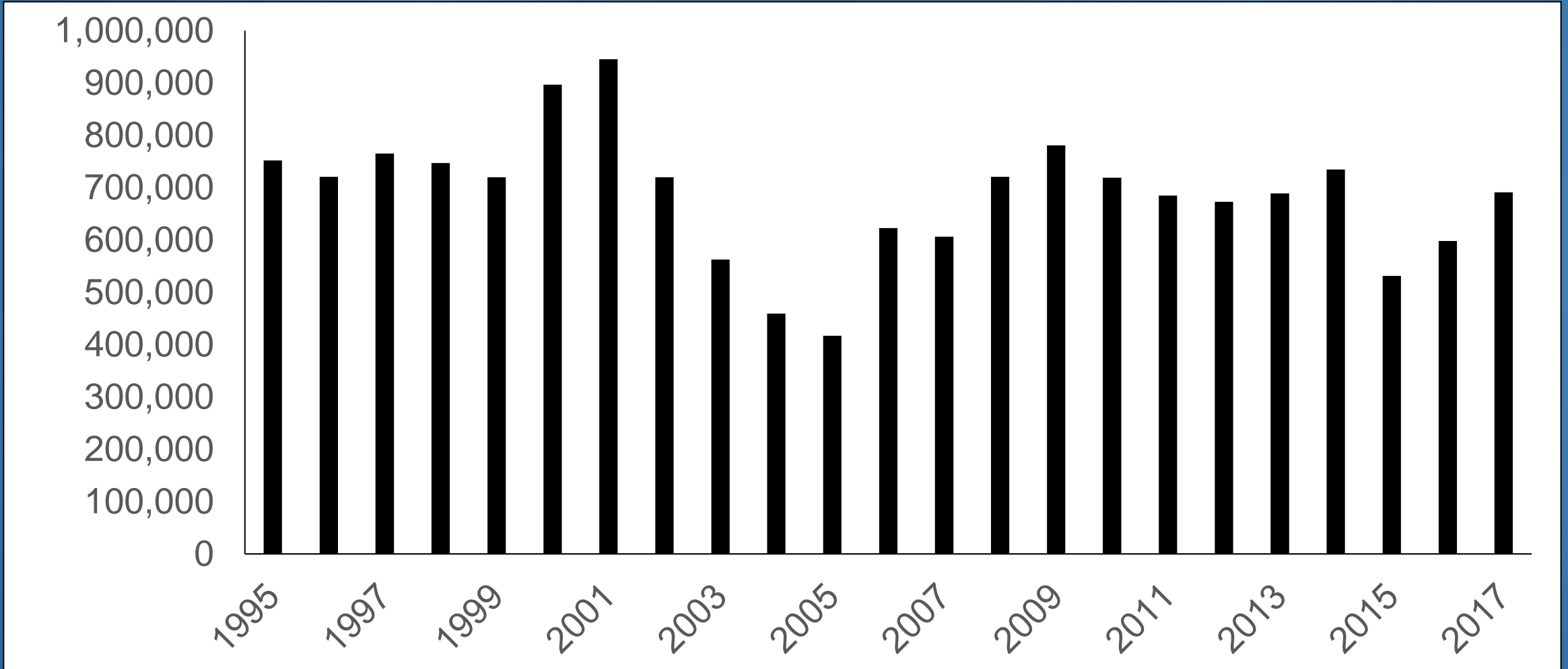
Spring Chinook Juvenile Hatchery Releases 1995-2017



Coho Hatchery Releases 1995-2017



Winter Steelhead Releases 1995-2017



Summer Steelhead Releases 1995-2017

