

Recent Trends in Cowlitz River Salmon and Steelhead Harvest

Josua Holowatz – WDFW District 10 Fish Biologist

John Serl – WDFW Cowlitz River Biologist



Cowlitz River Annual Program Review
and Fisheries Science Conference

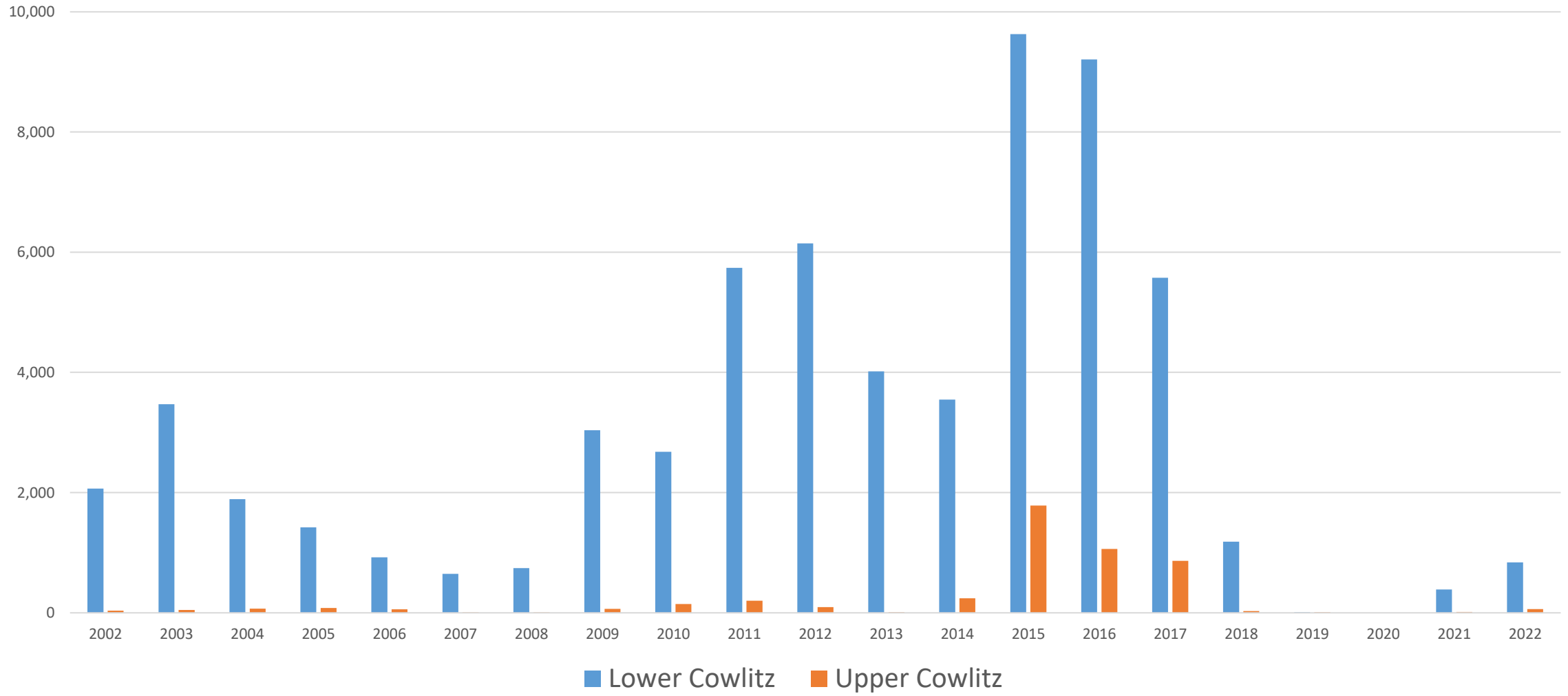
September 4, 2024

Cowlitz River Salmon and Steelhead Harvest

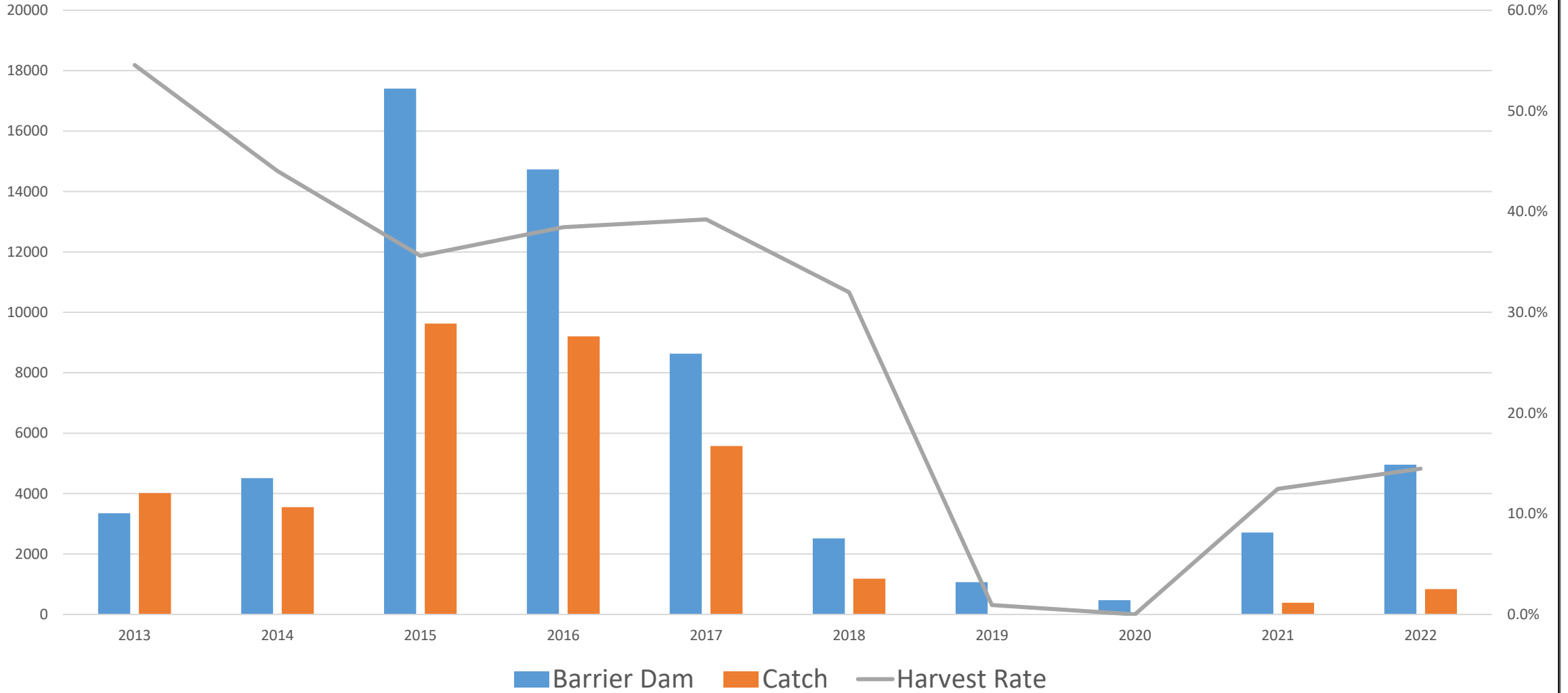
Data Sources:

- Barrier Dam Adult Facility is Operated by Tacoma Power (TPU) and WDFW
 - Collection database (TPU)
 - Broodstock collection and adult handling (WDFW+TPU)
 - Transportation to Upper Cowlitz and Tilton (TPU)
 - General river conditions are influenced by discharge from Mayfield Dam (TPU)
- WDFW Lower Cowlitz Spot Creel (TPU-funded)
 - Mark Selective Fisheries: Adipose intact fish are released
- 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*

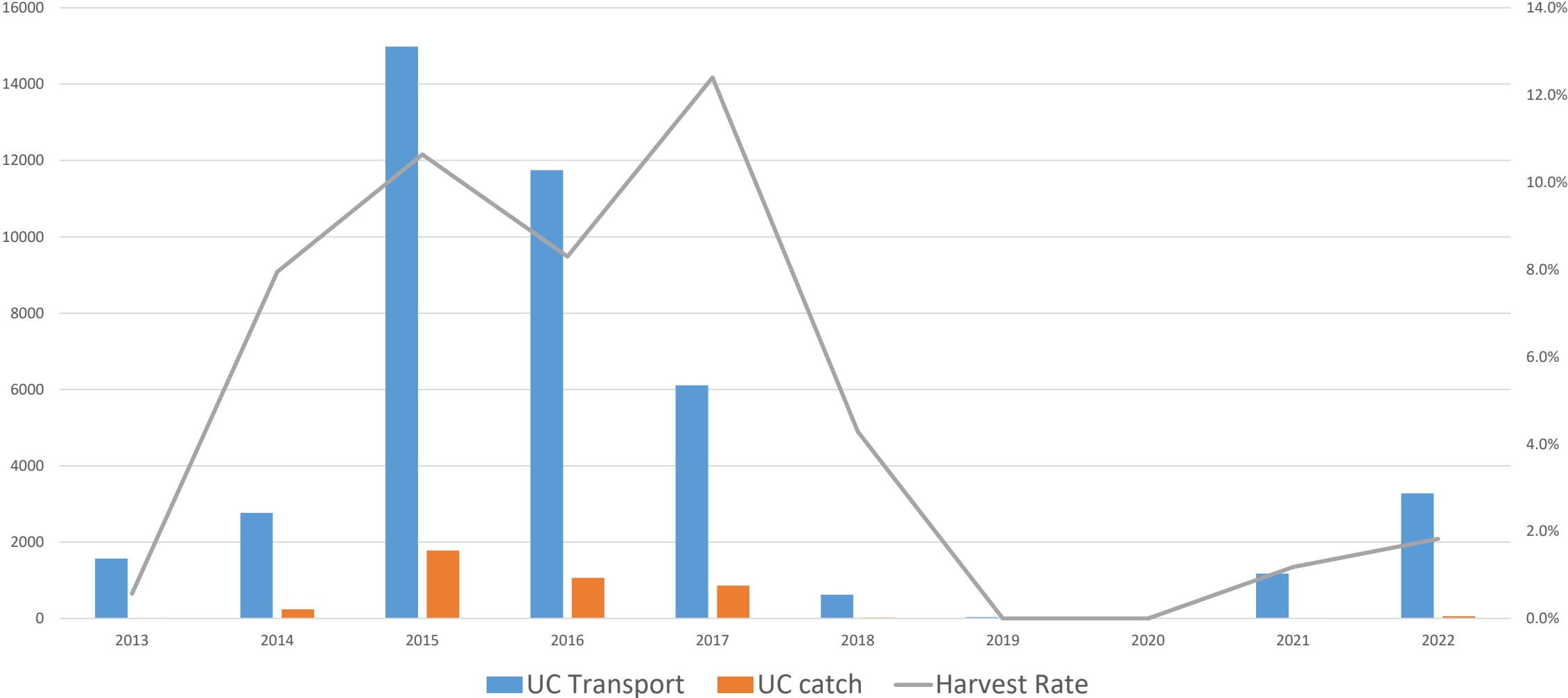
Cowlitz Spring Chinook Harvest 2002-2022



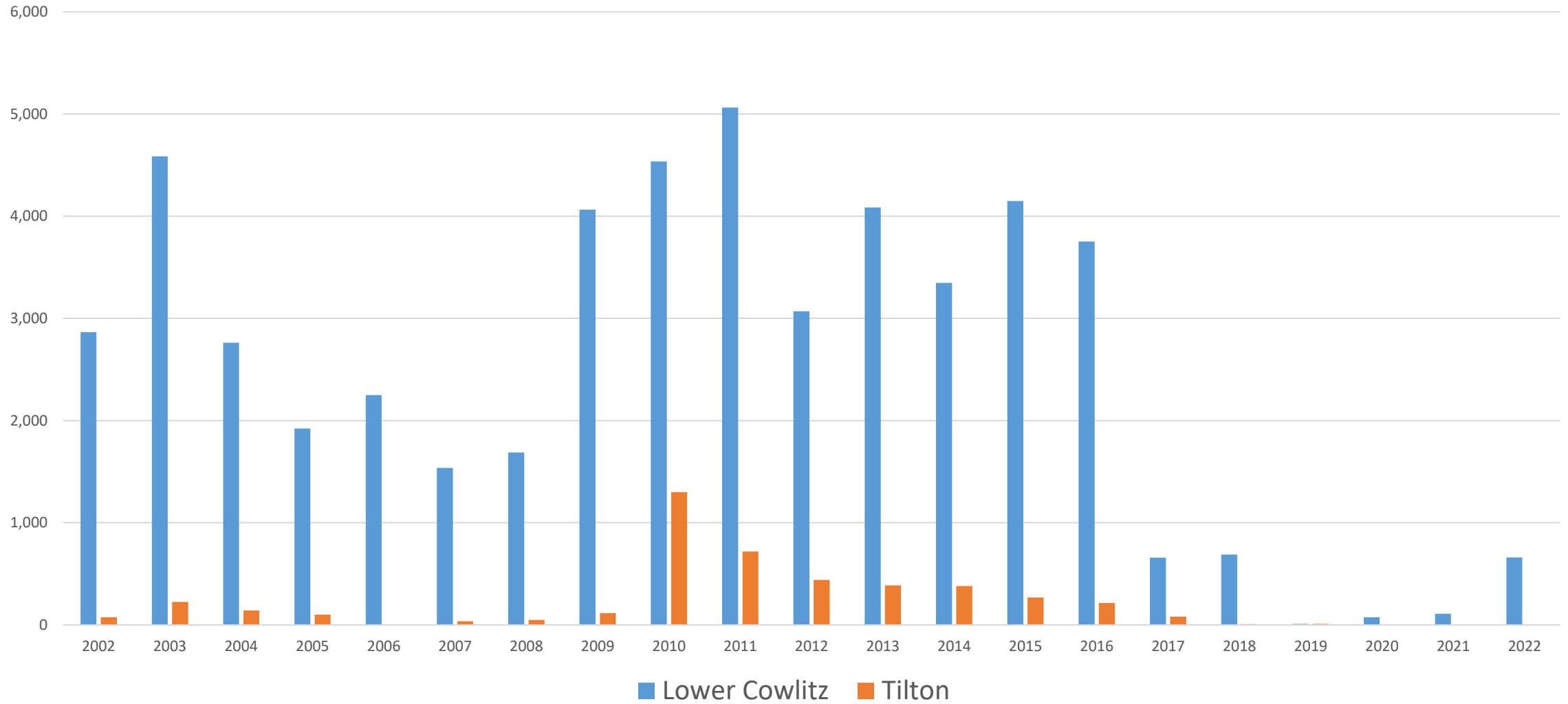
Lower Cowlitz Spring Chinook Harvest 2013-2022



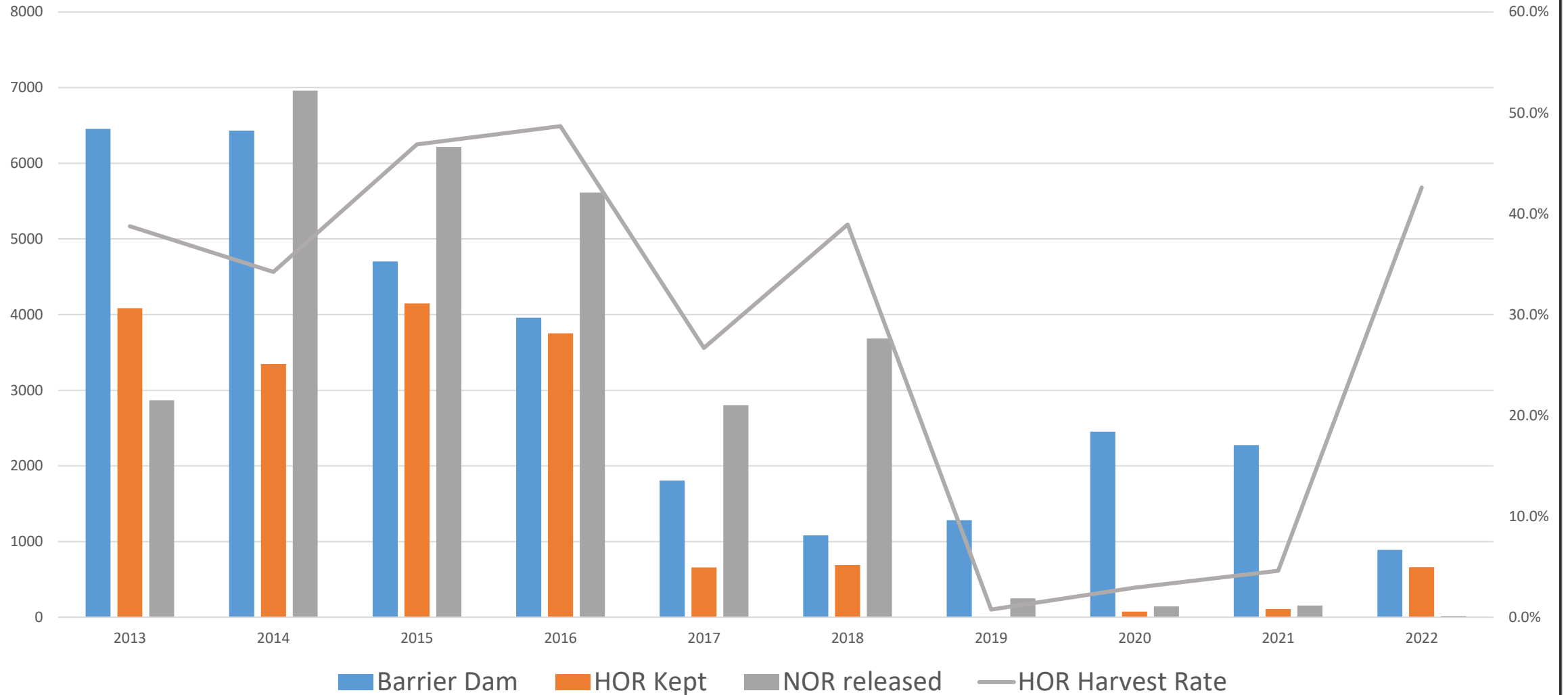
Upper Cowlitz Spring Chinook Harvest 2013-2022



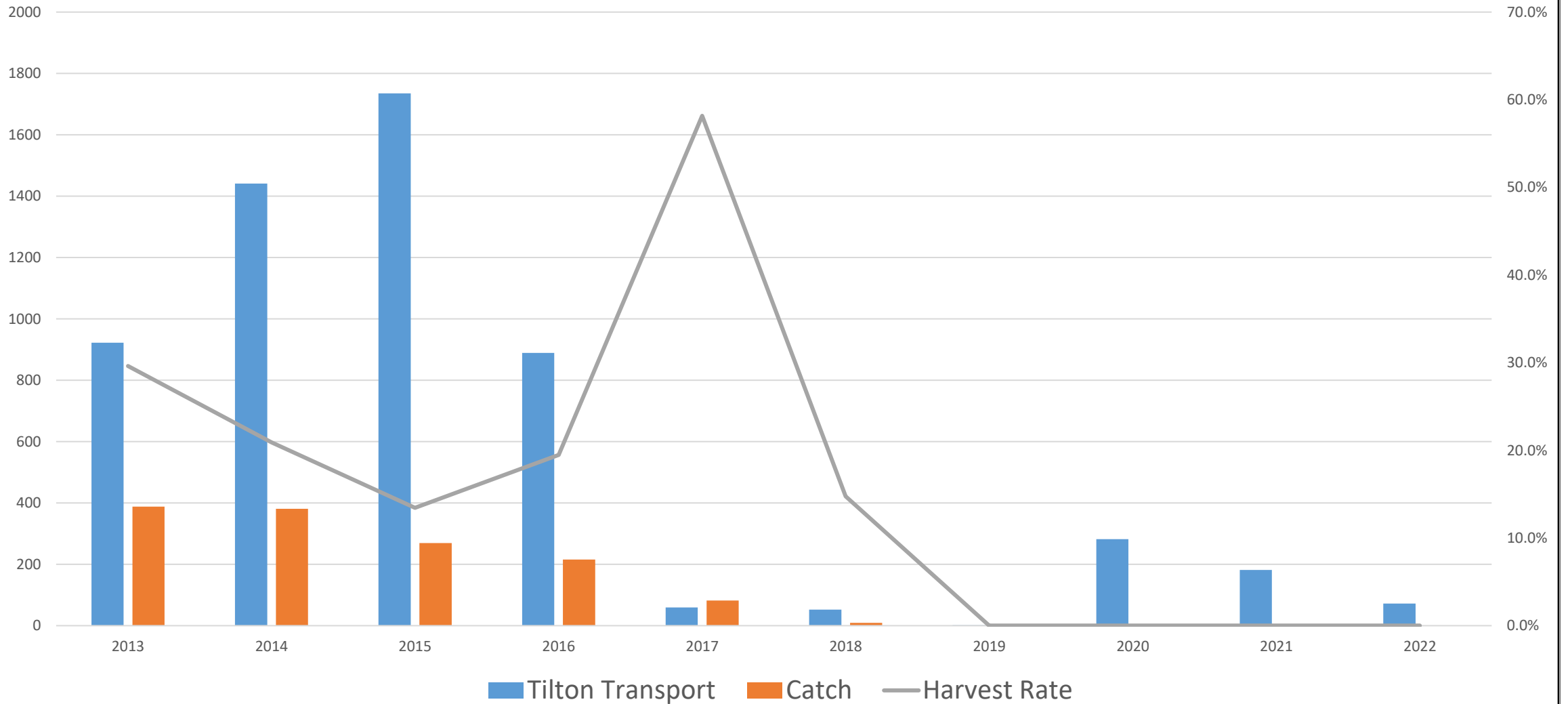
Cowlitz Fall Chinook Harvest 2002-2022



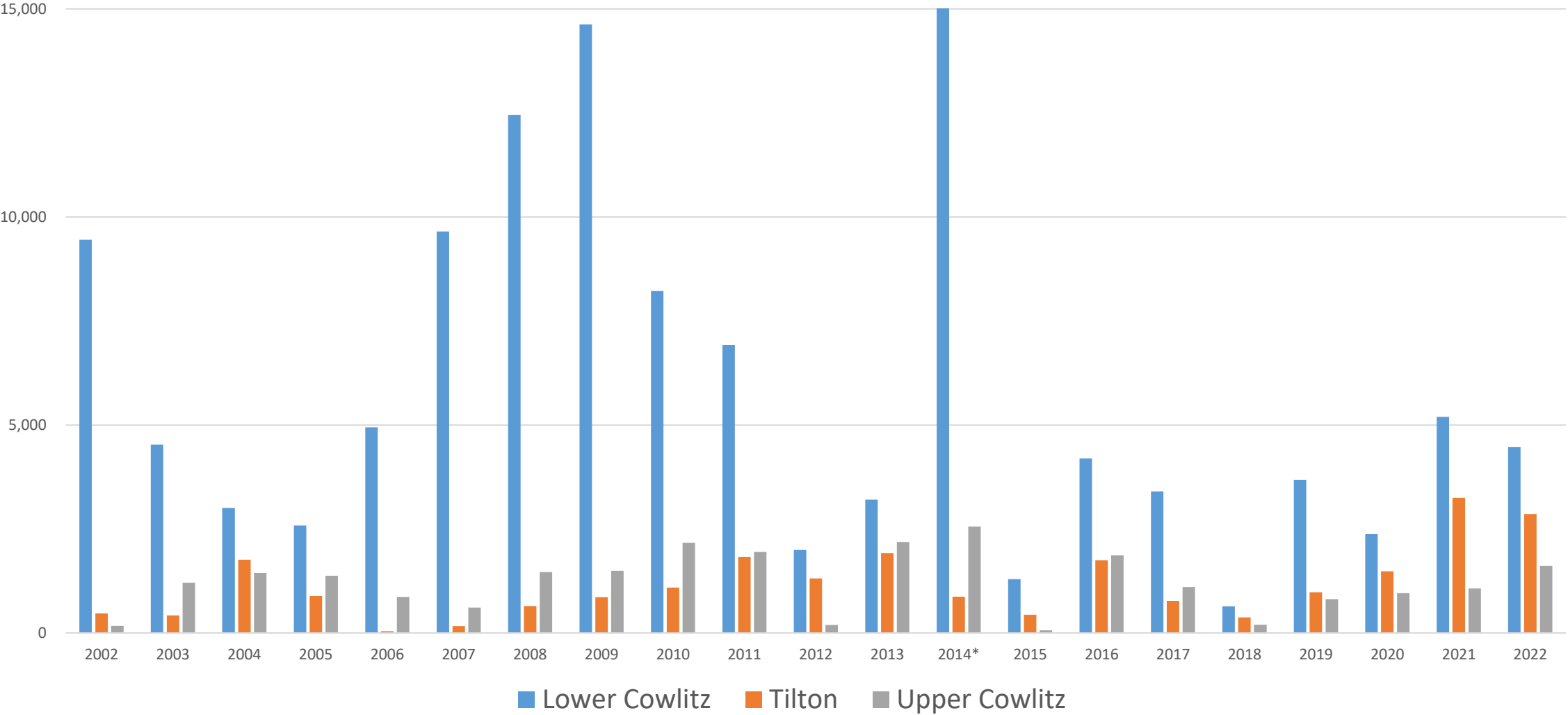
Lower Cowlitz Fall Chinook Harvest 2013-2022



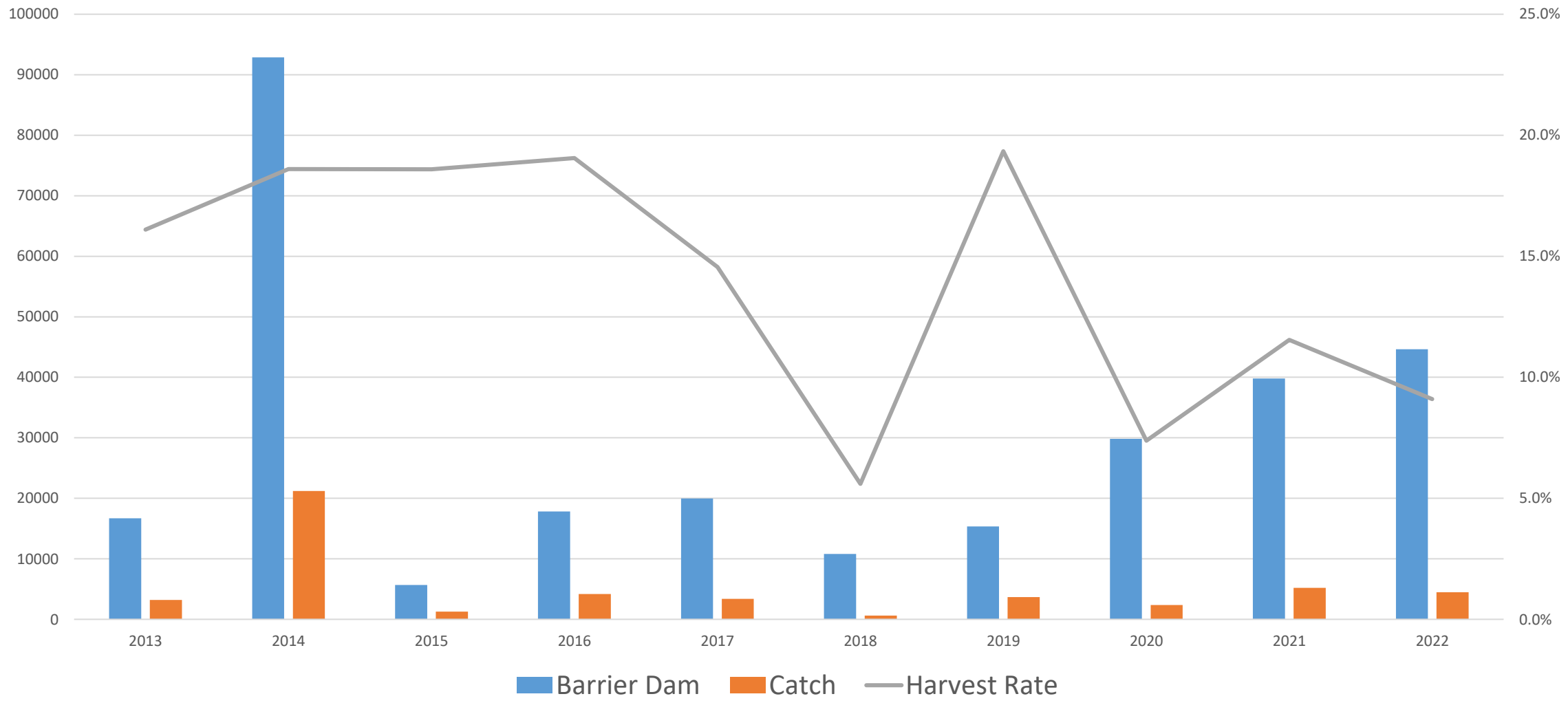
Tilton Fall Chinook Harvest 2013-2022



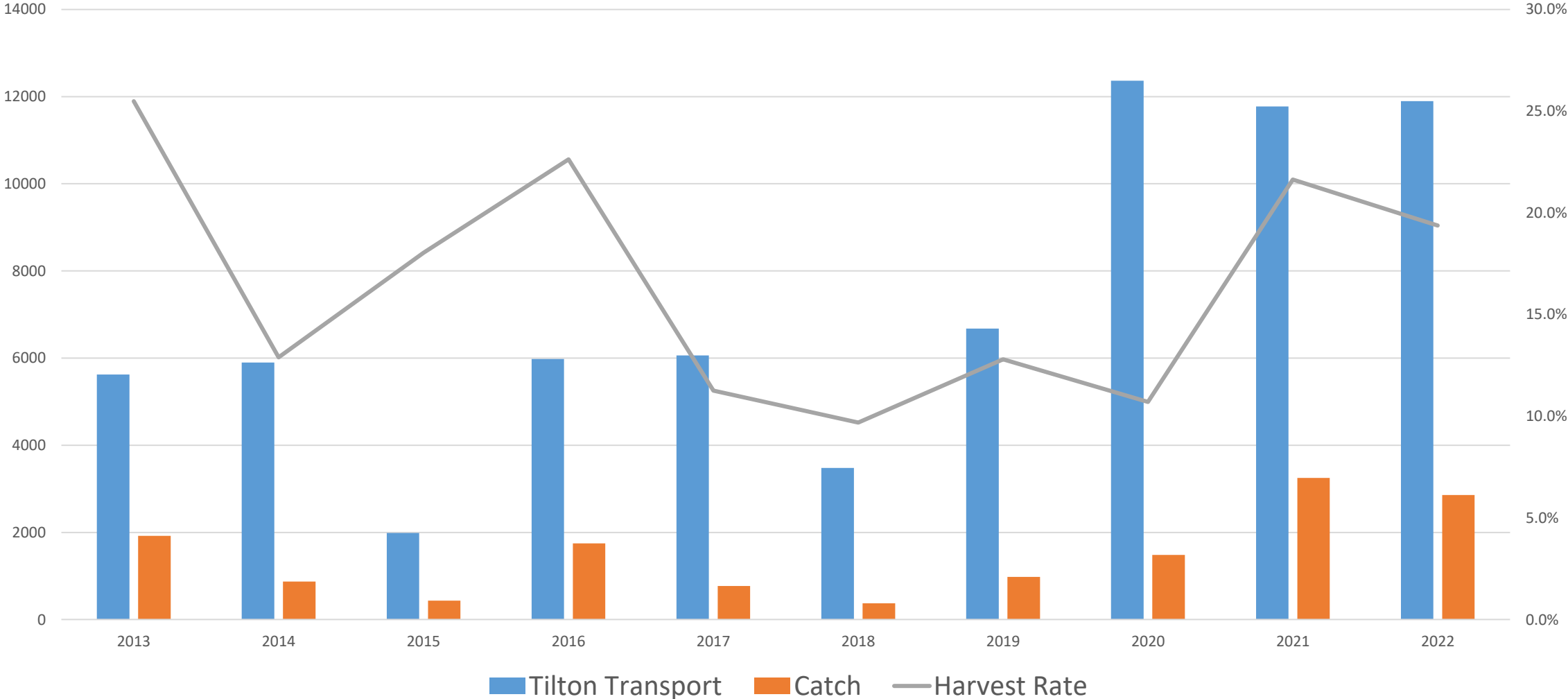
Cowlitz Coho Harvest 2002-2022



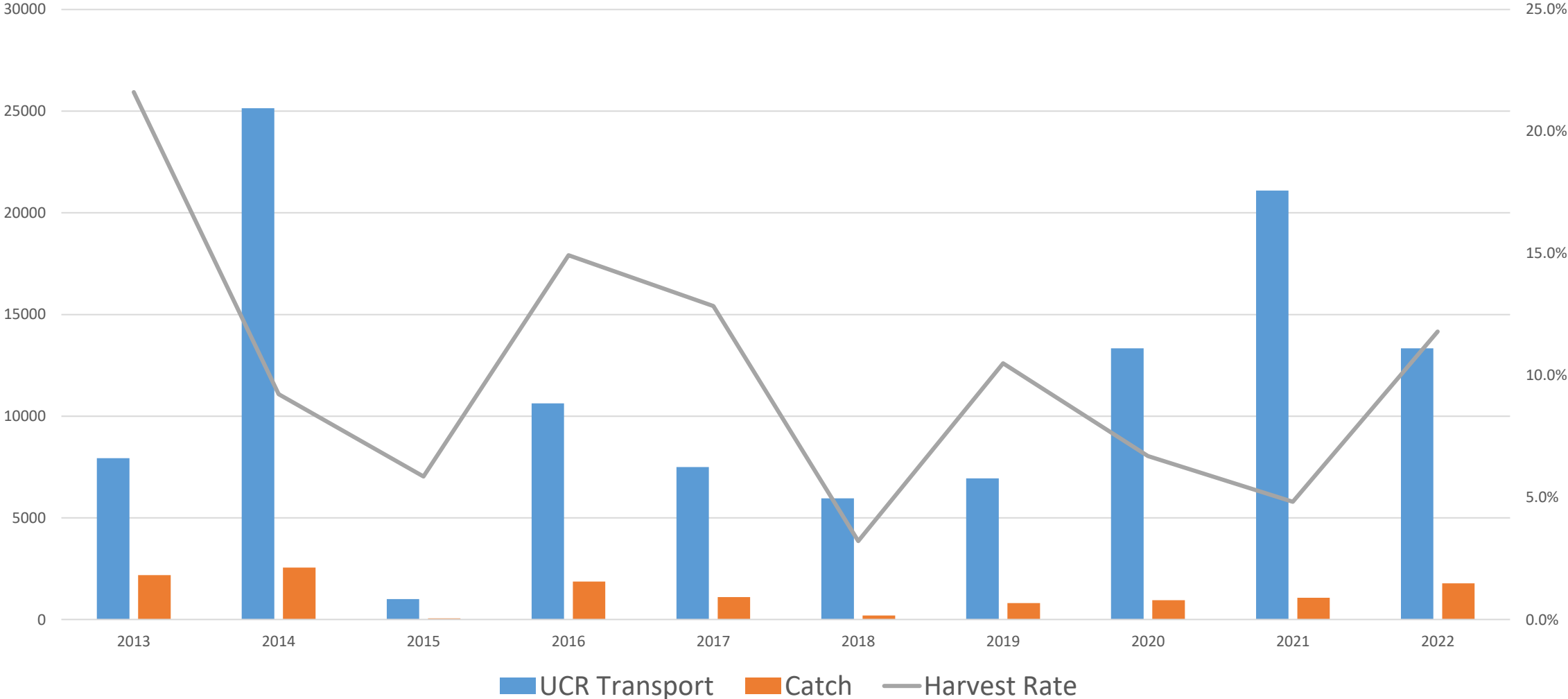
Lower Cowlitz Coho Harvest 2013-2022



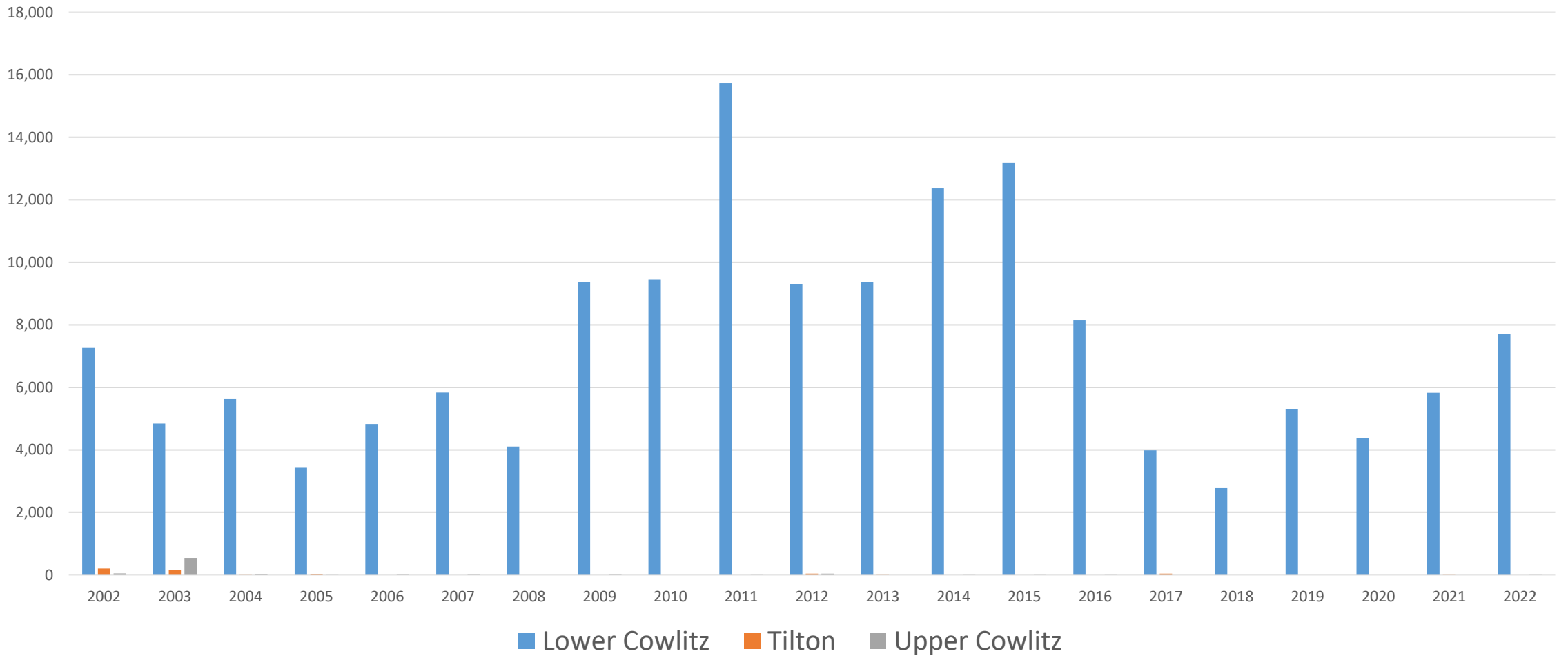
Tilton Coho Harvest 2013-2022



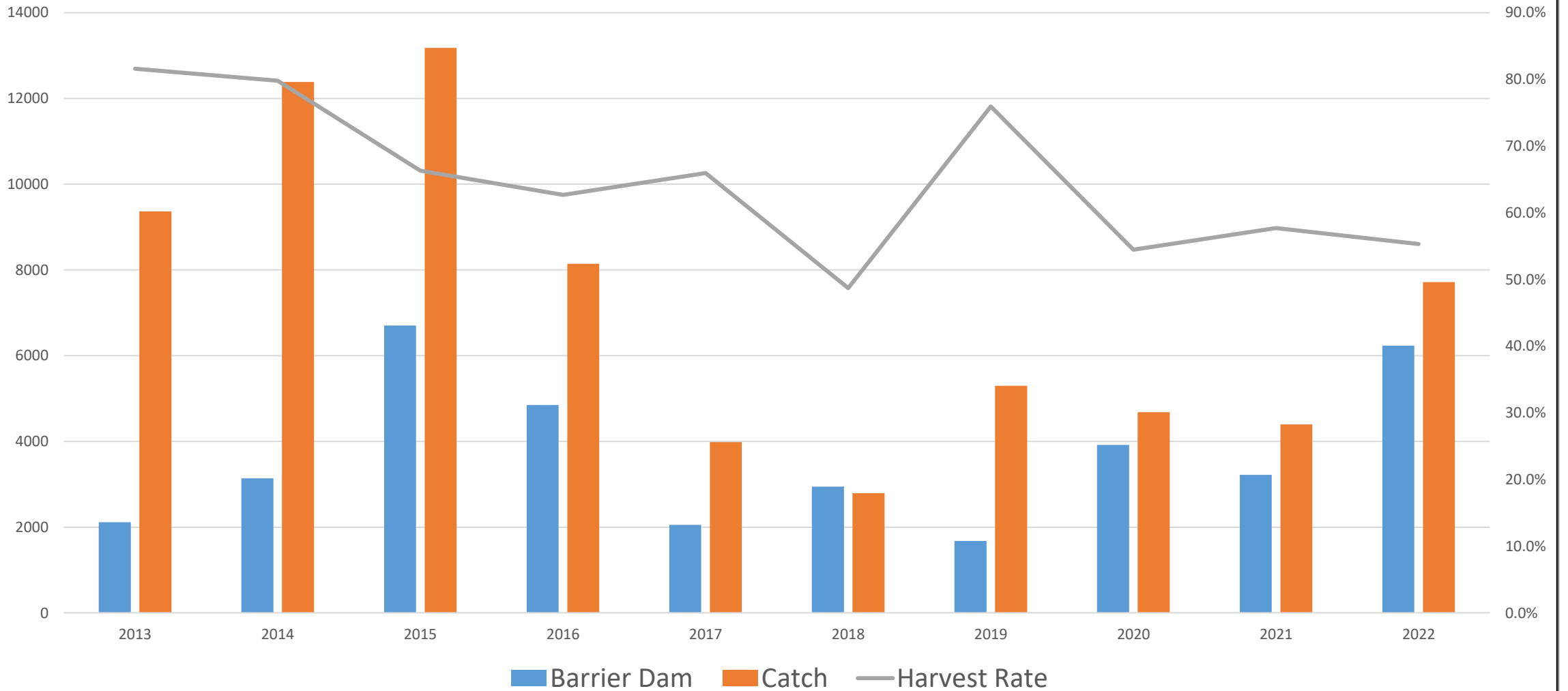
Upper Cowlitz Coho Harvest 2013-2022



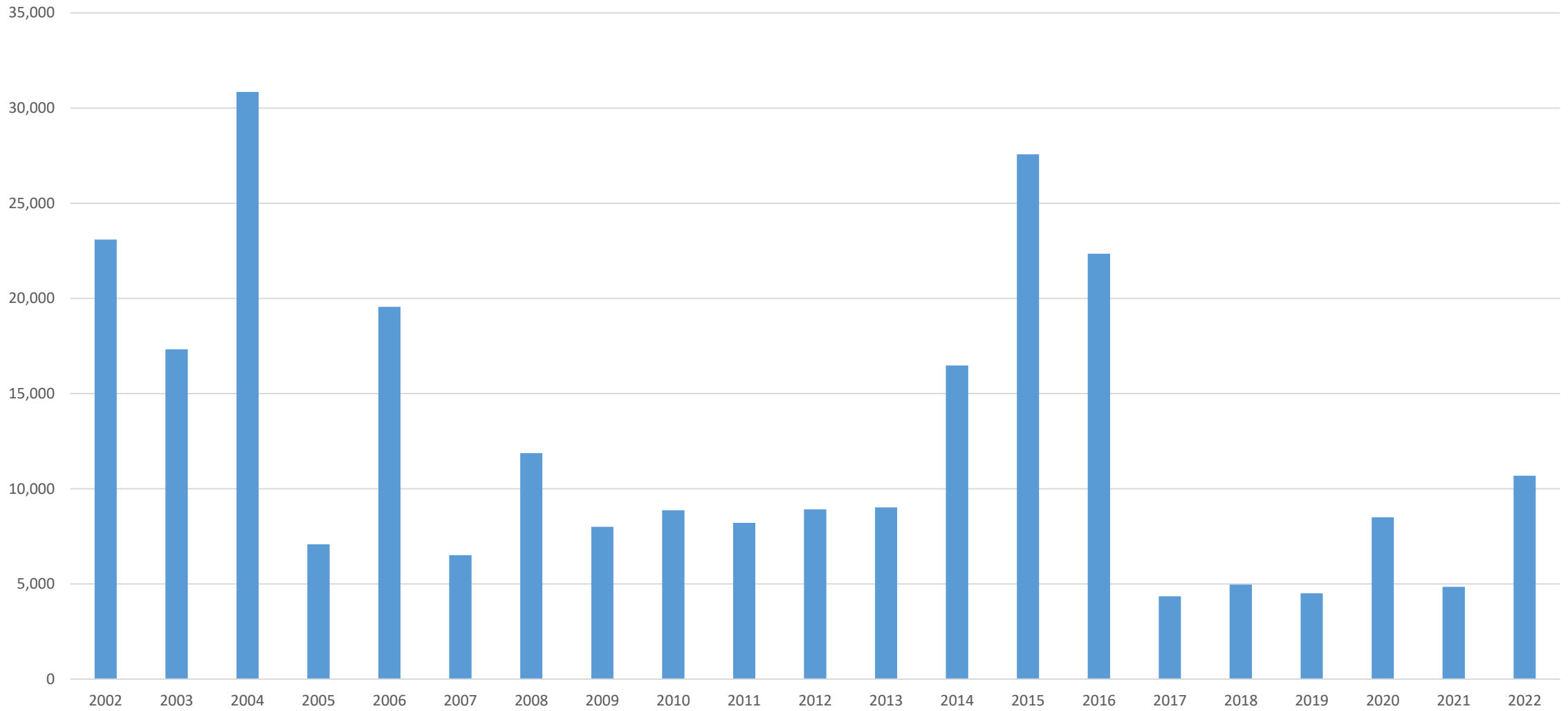
Cowlitz Winter Steelhead Harvest 2002-2022



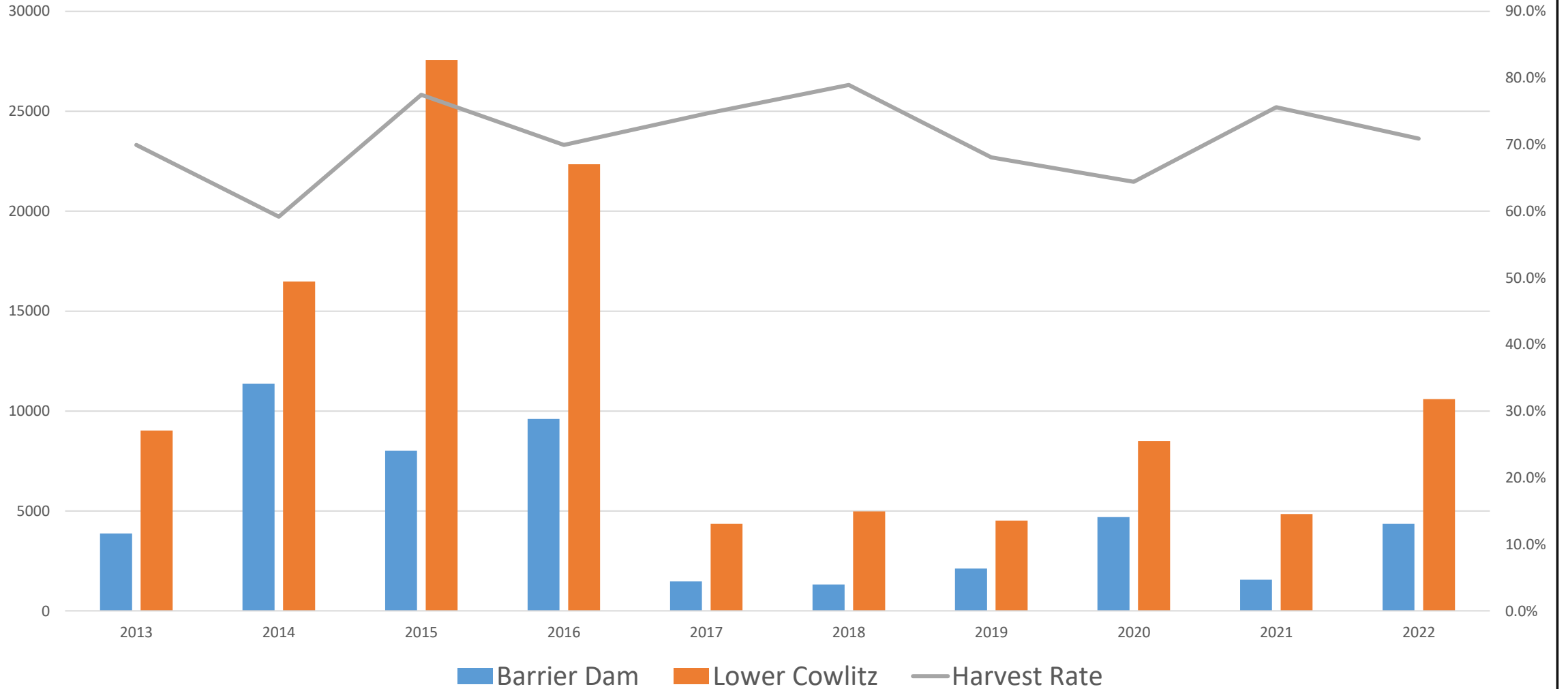
Lower Cowlitz Winter Steelhead Harvest 2013-2022



Cowlitz Summer Steelhead Harvest 2002-2022



Lower Cowlitz Summer Steelhead Harvest 2013-2022



Cowlitz Harvest 2022 Year in Review

- Spring Chinook Harvest Rates
 - Lower Cowlitz = 15%, Upper Cowlitz = 2%
- Fall Chinook
 - Lower Cowlitz = 42%, Tilton = 0%
- Coho
 - Lower Cowlitz = 9%, Tilton = 20%, Upper Cowlitz = 12%
- Winter Steelhead
 - Lower Cowlitz = 55%
- Summer Steelhead
 - Lower Cowlitz = 71%
- Searun Cutthroat= no CRC reporting, sparse creel data



Many Thanks to Agency and Partner Contributors

- WDFW: Eric Kraig (ret), Tracy Scalici, John Serl, Brian Gale
- Tacoma Power: Eric Shoblom, Jamie Murphy, Scott Gibson, Missy Baier

Questions?

