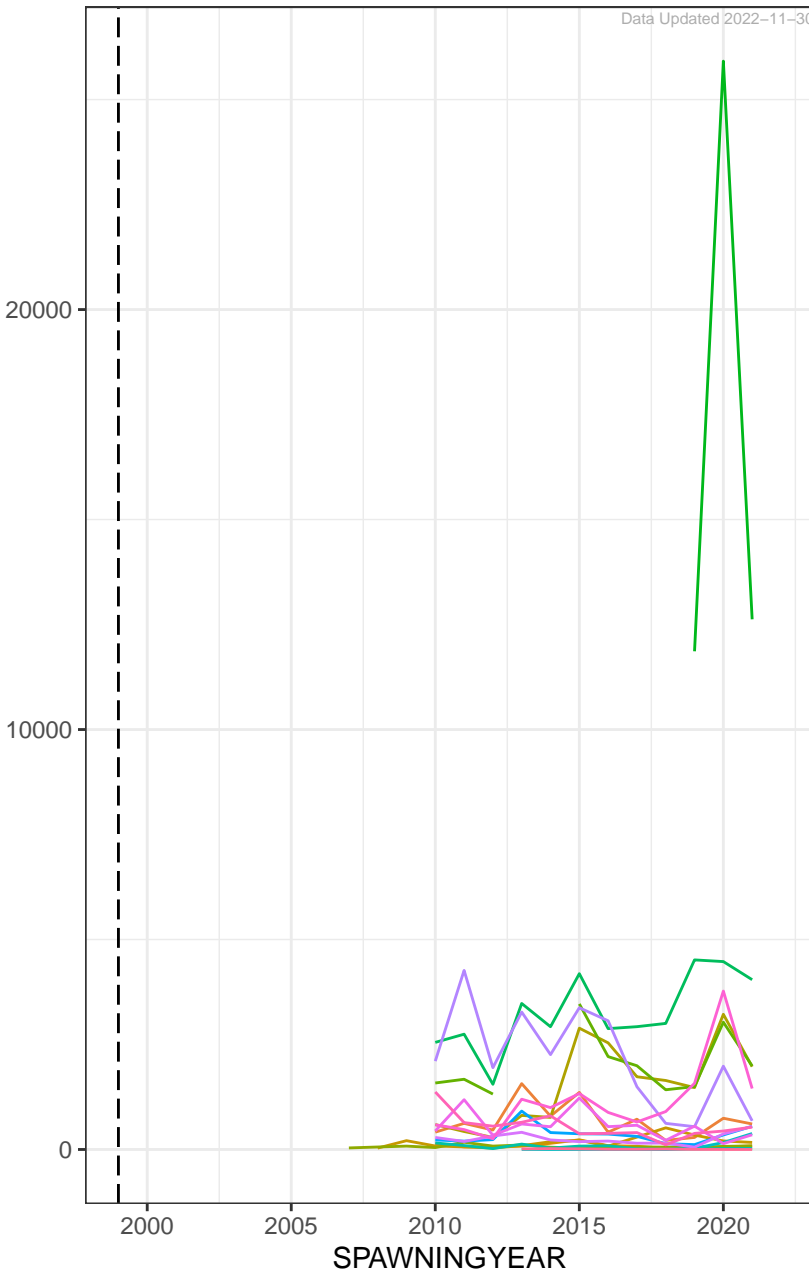


# Lower Columbia River Chinook ESU

Natural Origin Spawner Abundance



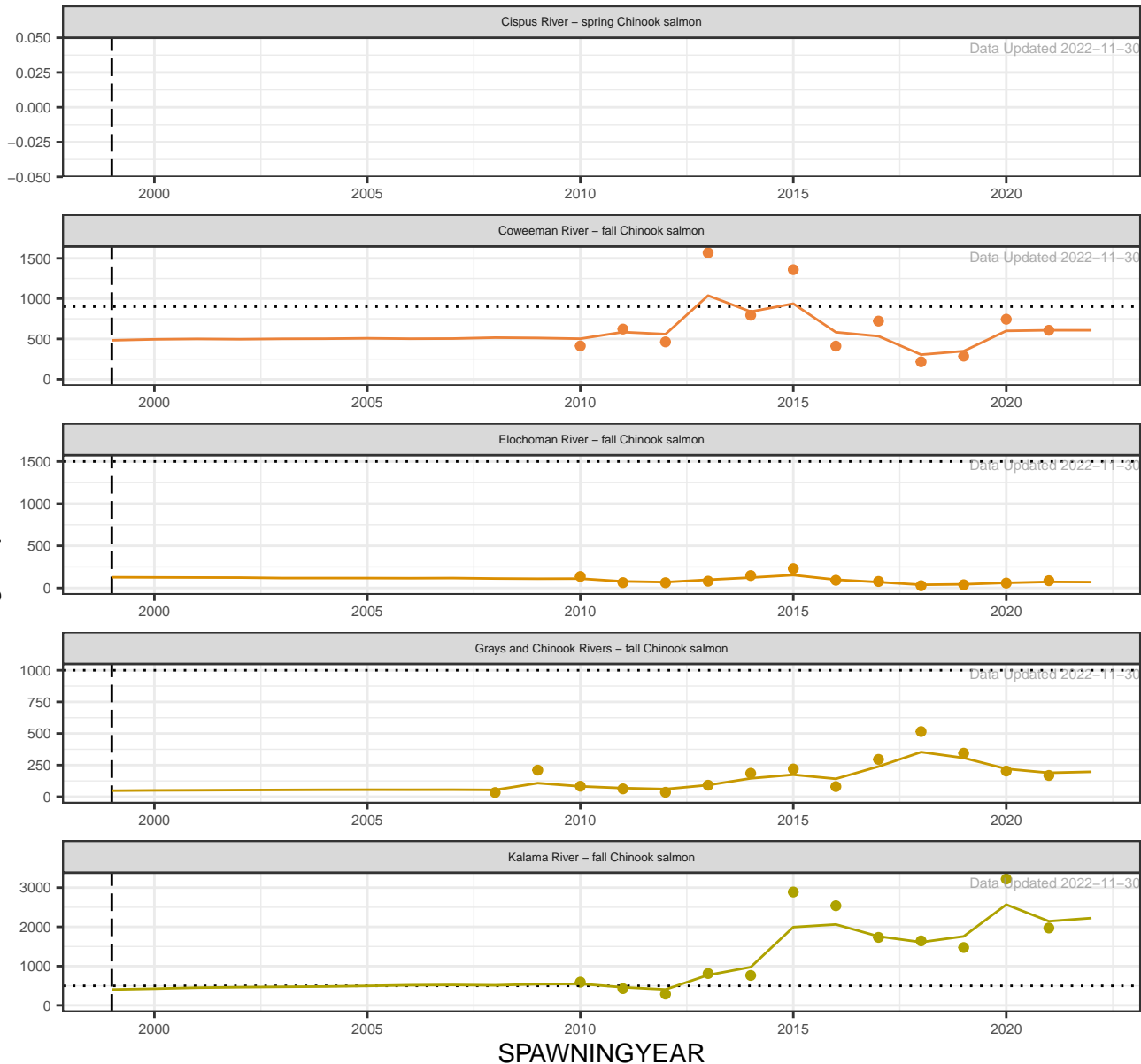
Data Updated 2022-11-30

## Observed Abundance

- Cispus River - spring Chinook salmon
- Coweeman River - fall Chinook salmon
- Elochoman River - fall Chinook salmon
- Grays and Chinook Rivers - fall Chinook salmon
- Kalama River - fall Chinook salmon
- Kalama River - spring Chinook salmon
- Lewis River - fall Chinook salmon
- Lewis River - late fall Chinook salmon
- Lower Cowlitz River - fall Chinook salmon
- Lower Gorge Tributaries - fall Chinook salmon
- Mill, Abernathy, and Germany Creeks - fall Chinook salmon
- North Fork Lewis River - spring Chinook salmon
- Salmon Creek - fall Chinook salmon
- Tilton River - spring Chinook salmon
- Toutle River - fall Chinook salmon
- Toutle River - spring Chinook salmon
- Upper Cowlitz River - fall Chinook salmon
- Upper Cowlitz River - spring Chinook salmon
- Upper Gorge Tributaries - fall Chinook salmon
- Washougal River - fall Chinook salmon
- White Salmon River - fall Chinook salmon
- White Salmon River - spring Chinook salmon

# Lower Columbia River Chinook ESU

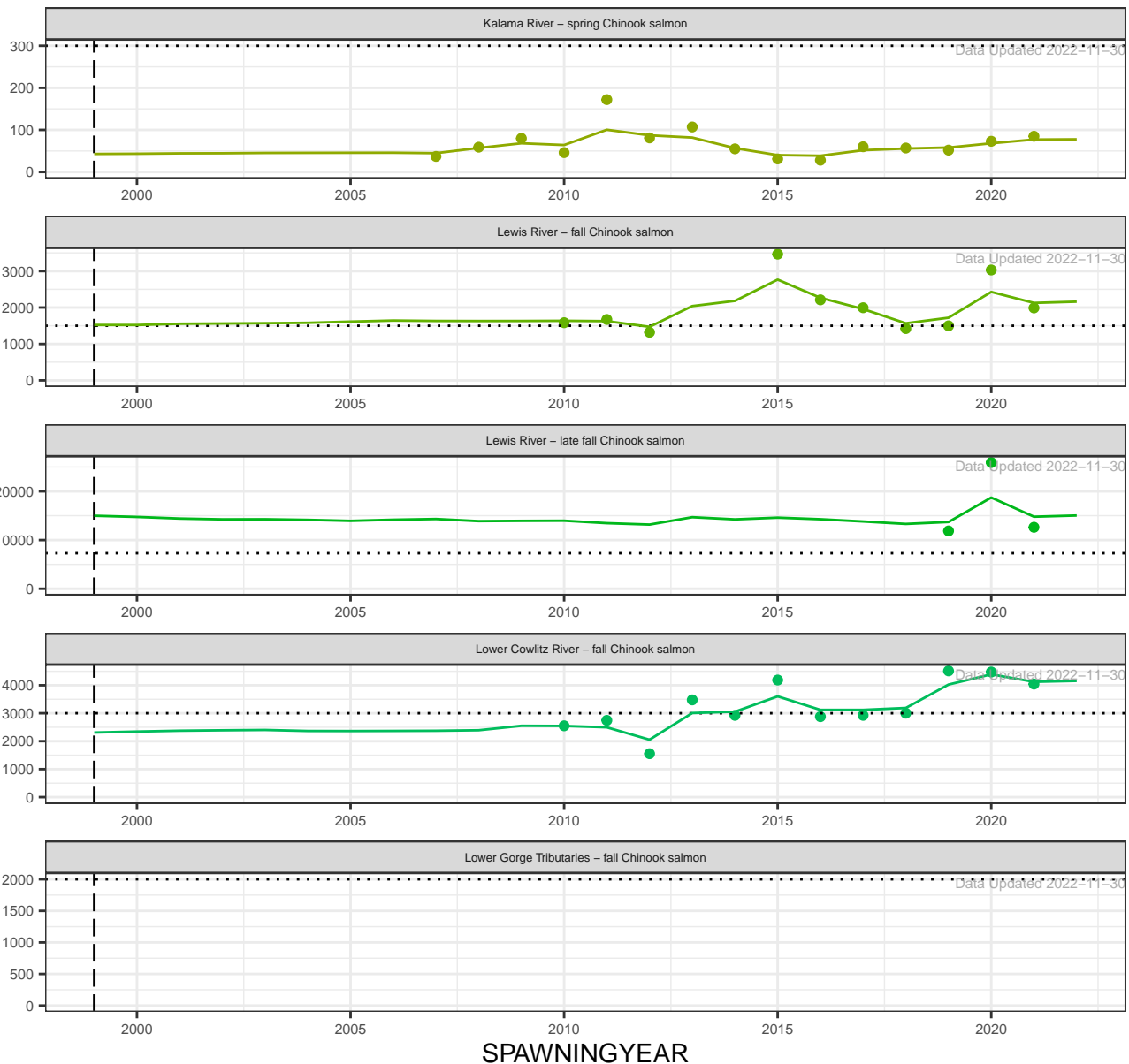
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Lower Columbia River Chinook ESU

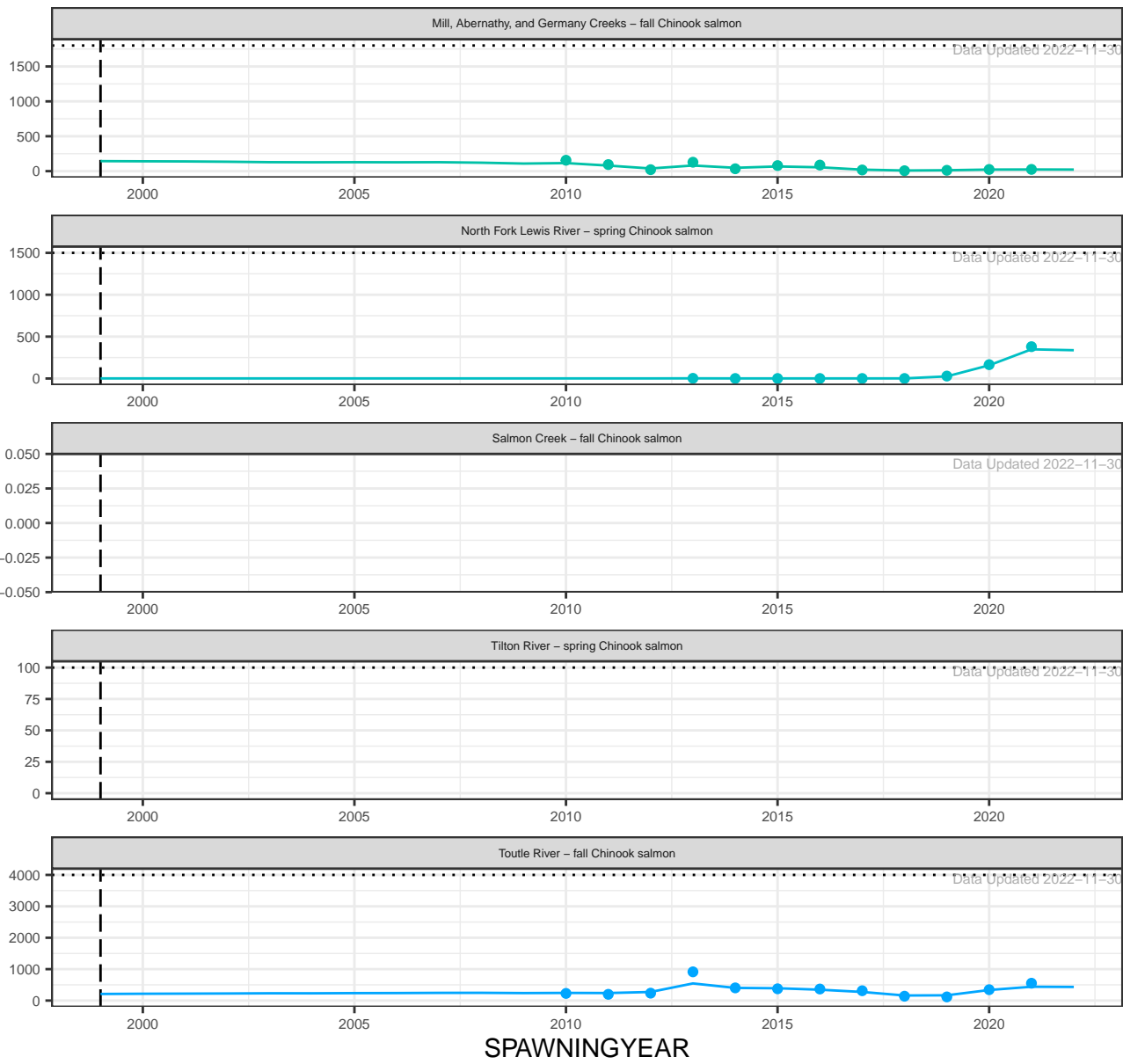
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Lower Columbia River Chinook ESU

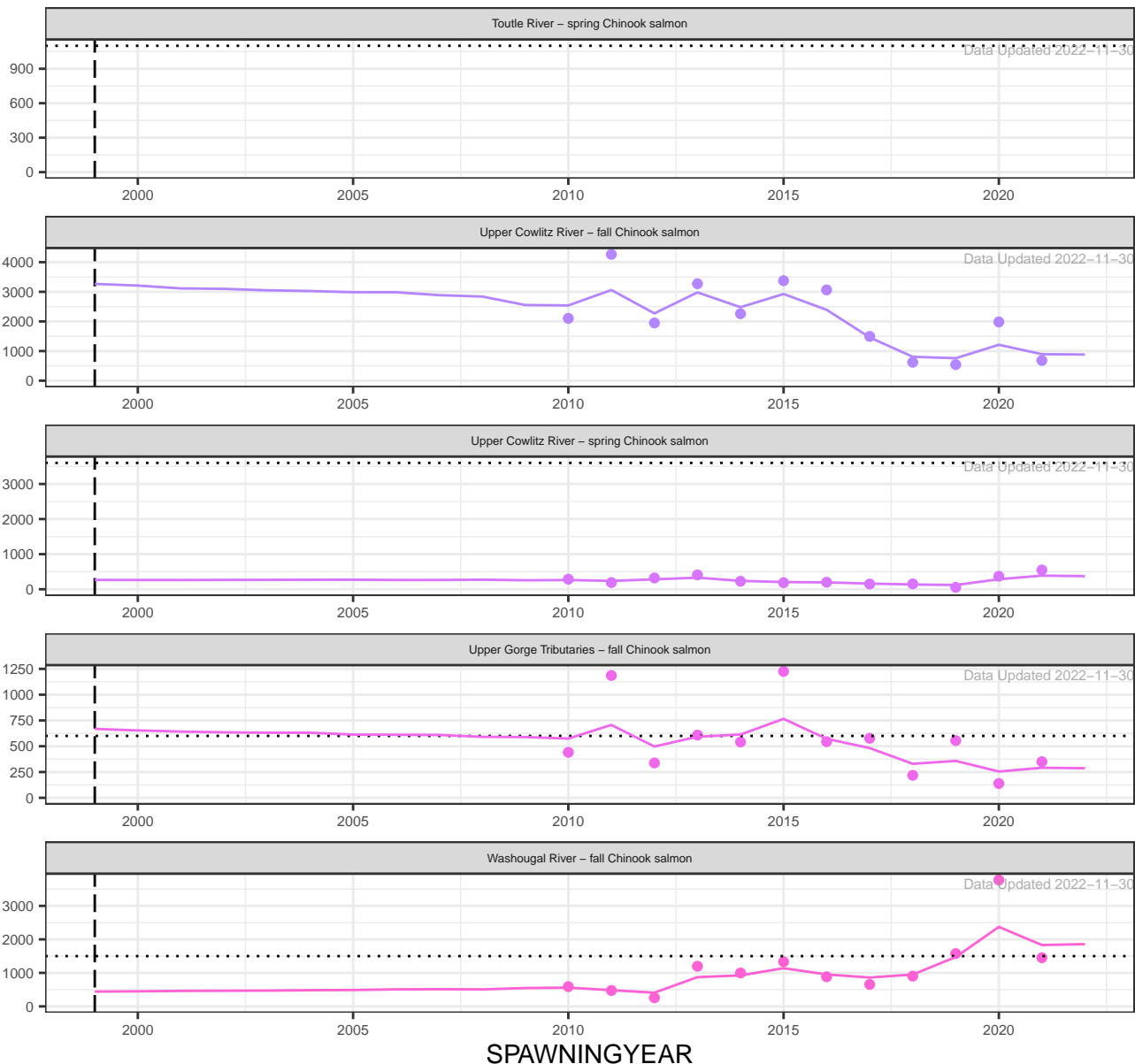
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

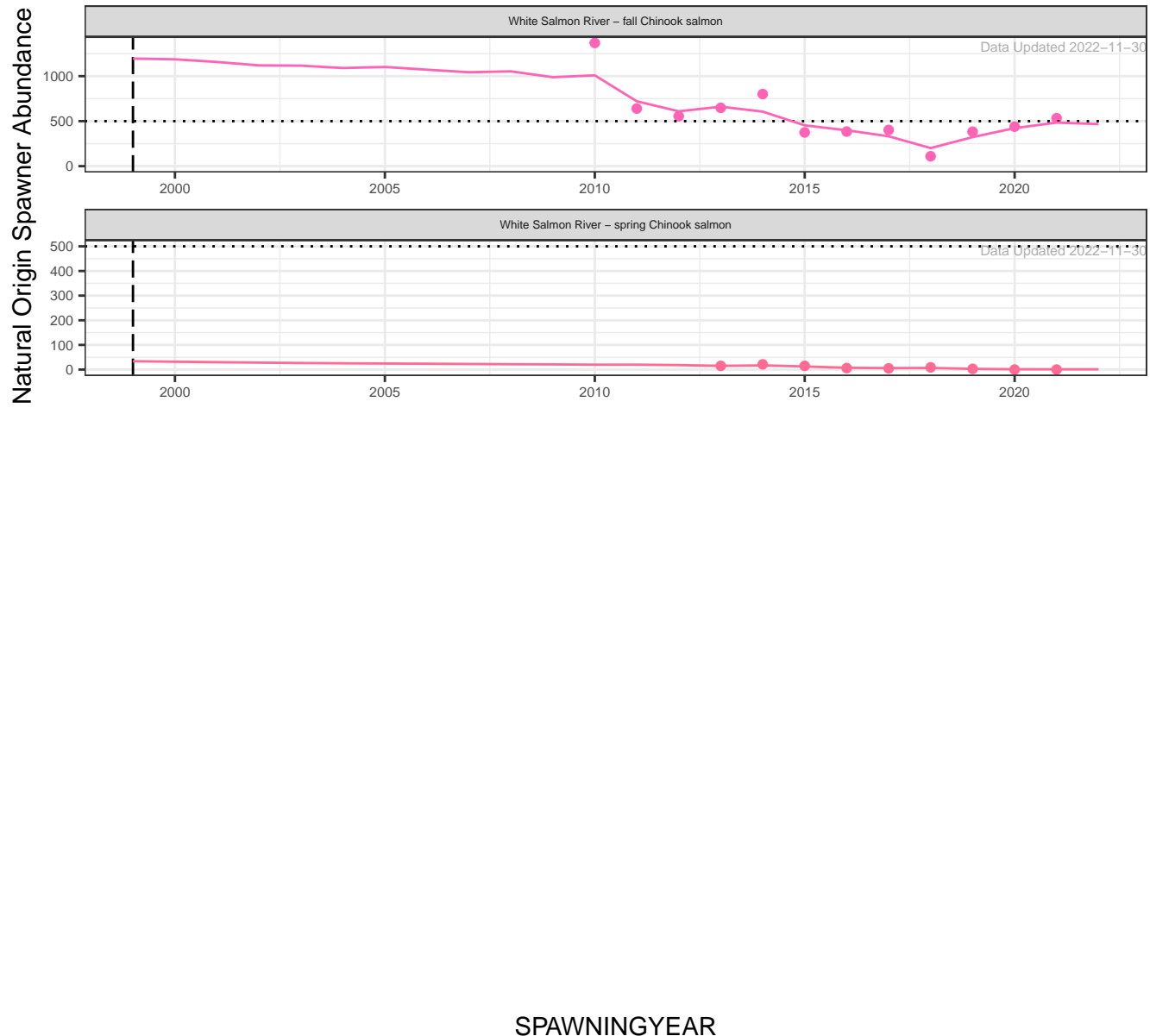
# Lower Columbia River Chinook ESU

Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Lower Columbia River Chinook ESU

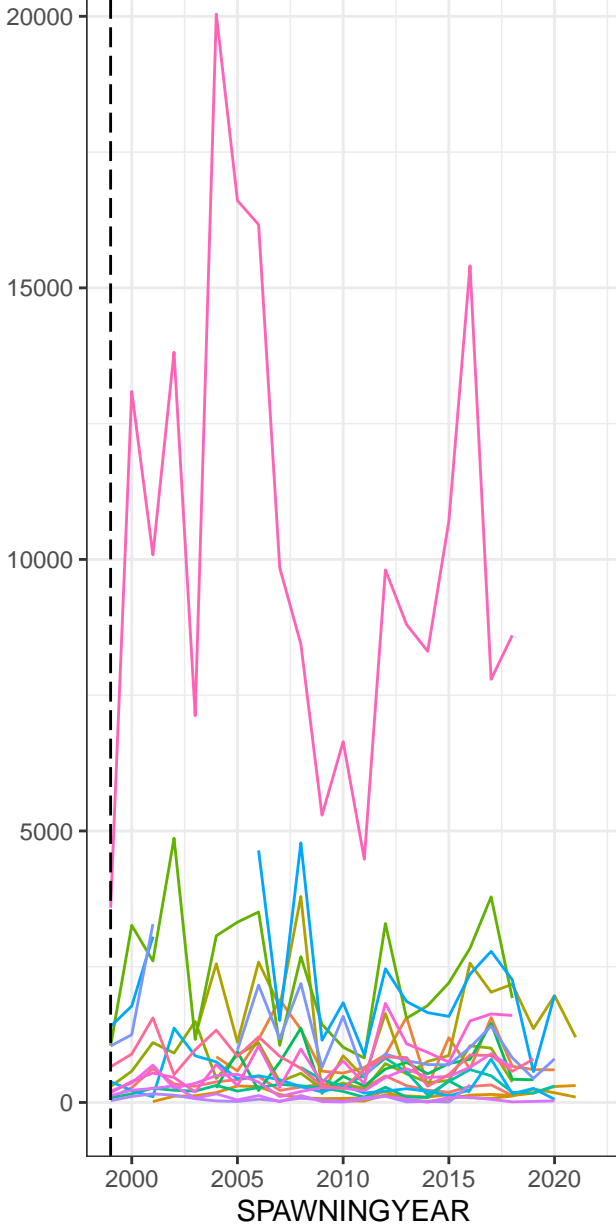


Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Puget Sound Chinook ESU

Data Updated 2022-11-30

Natural Origin Spawner Abundance

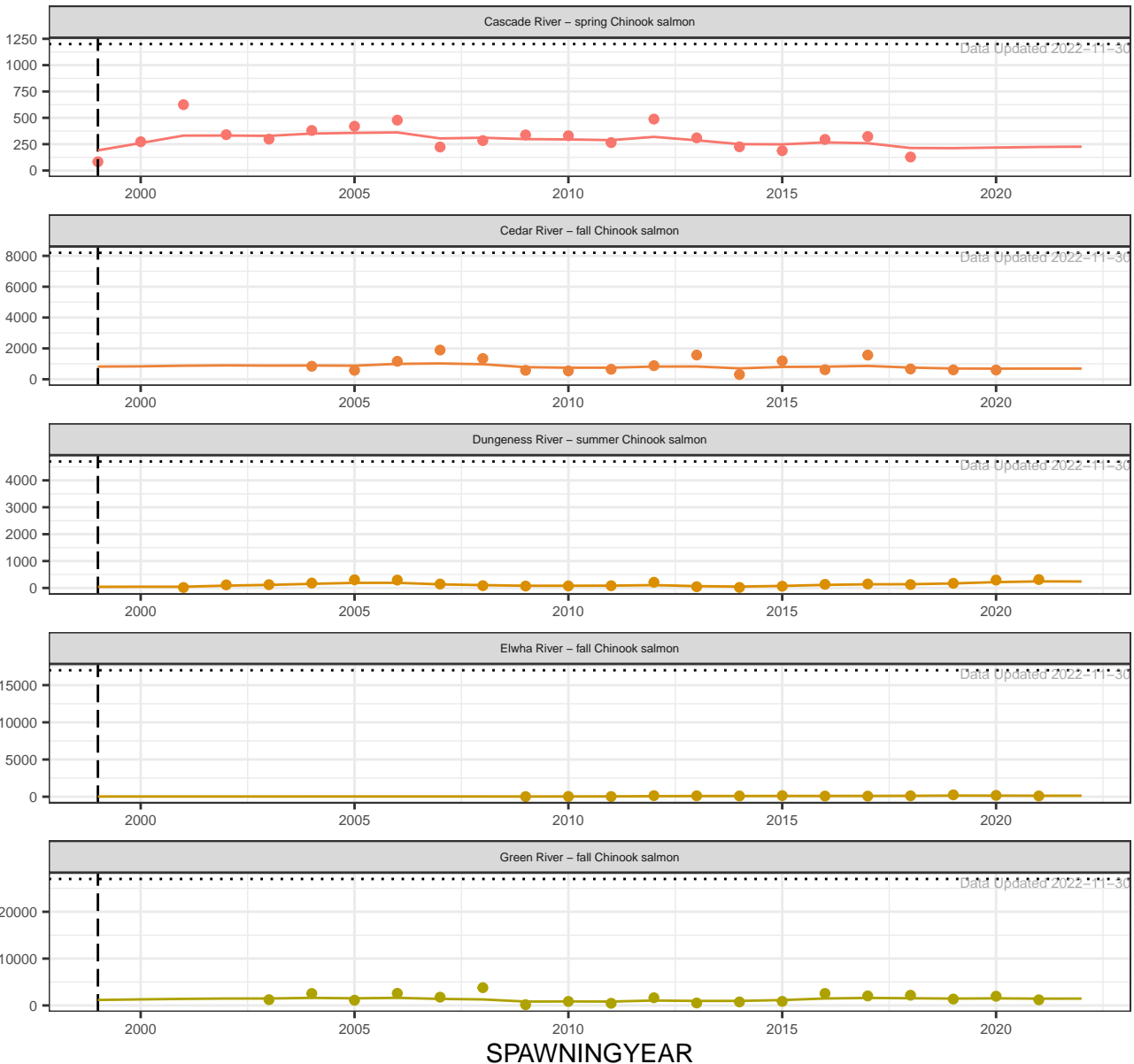


## Observed Abundance

- Cascade River – spring Chinook salmon
- Cedar River – fall Chinook salmon
- Dungeness River – summer Chinook salmon
- Elwha River – fall Chinook salmon
- Green River – fall Chinook salmon
- Lower Sauk River – summer Chinook salmon
- Lower Skagit River – fall Chinook salmon
- Mid-Hood Canal – fall Chinook salmon
- Nisqually River – fall Chinook salmon
- North Fork Nooksack River (including Middle Fork Nooksack River) – spring Chinook salmon
- North Fork Stillaguamish River – summer Chinook salmon
- Puyallup River – fall Chinook salmon
- Sammamish River – fall Chinook salmon
- Skokomish River – fall Chinook salmon
- Skykomish River – summer Chinook salmon
- Snoqualmie River – fall Chinook salmon
- South Fork Nooksack River – spring Chinook salmon
- South Fork Stillaguamish River – fall Chinook salmon
- Suiattle River – spring Chinook salmon
- Upper Sauk River – spring Chinook salmon
- Upper Skagit River – summer Chinook salmon
- White River – spring Chinook salmon

# Puget Sound Chinook ESU

Natural Origin Spawner Abundance

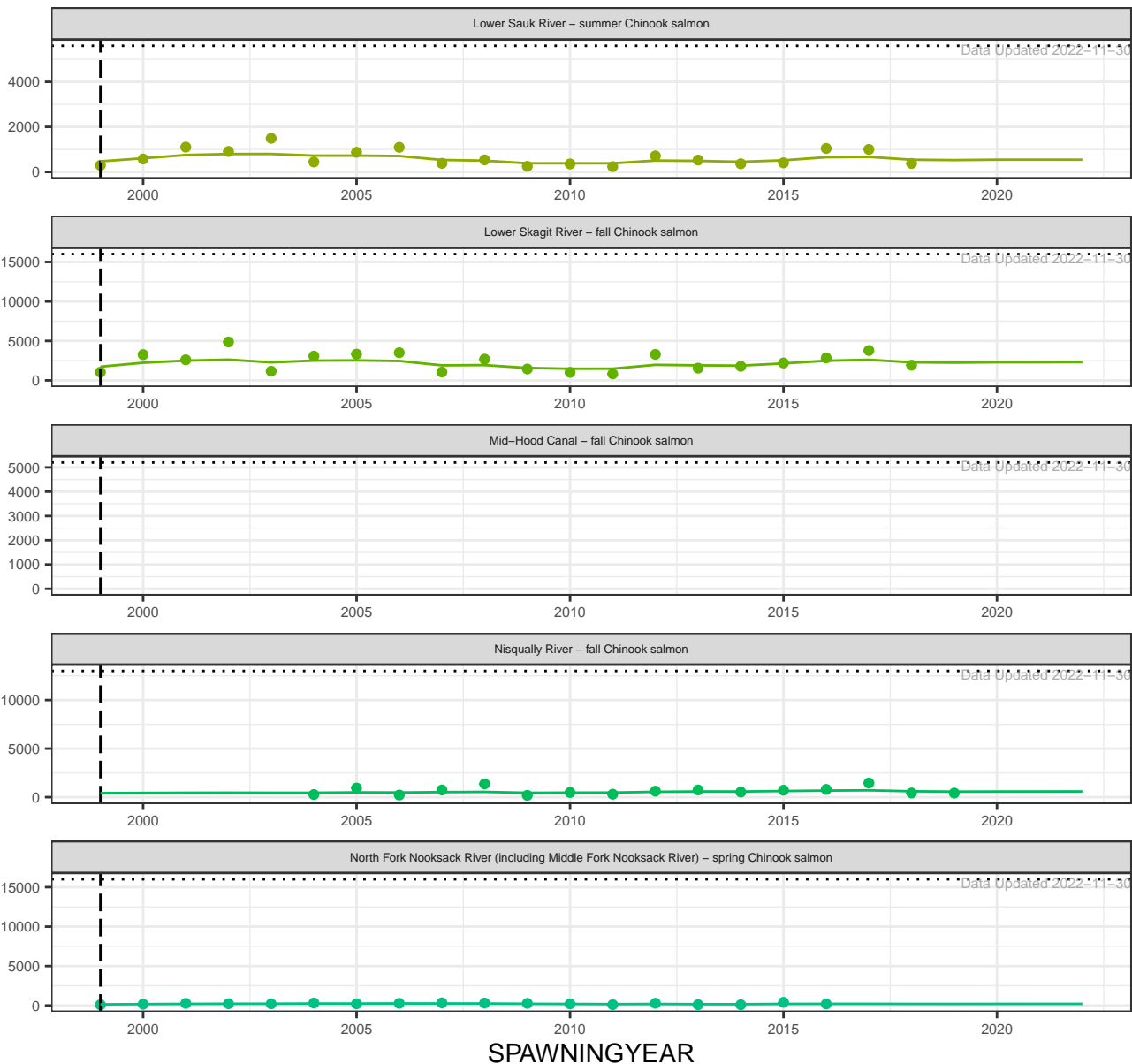


Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.



# Puget Sound Chinook ESU

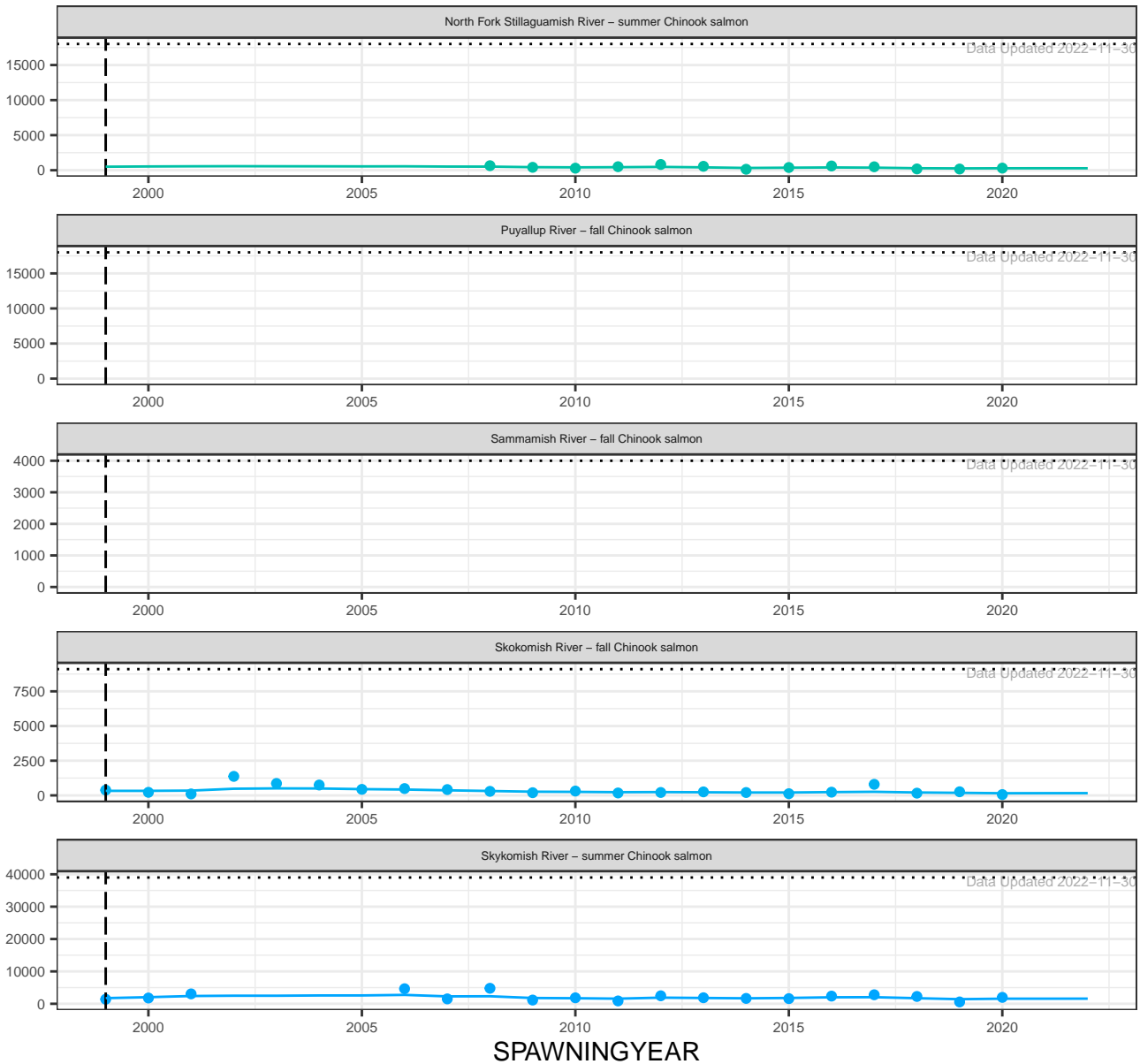
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Puget Sound Chinook ESU

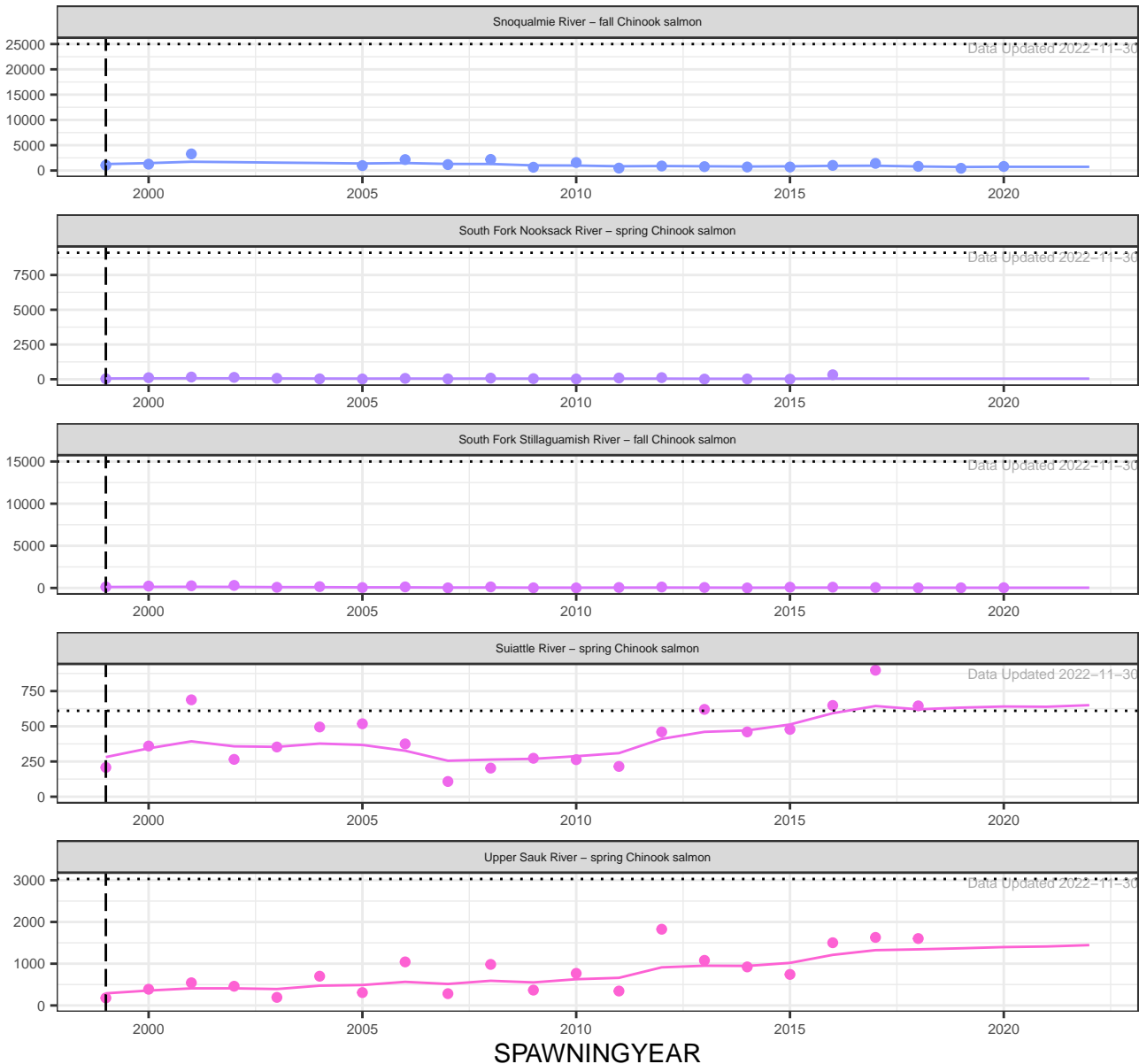
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Puget Sound Chinook ESU

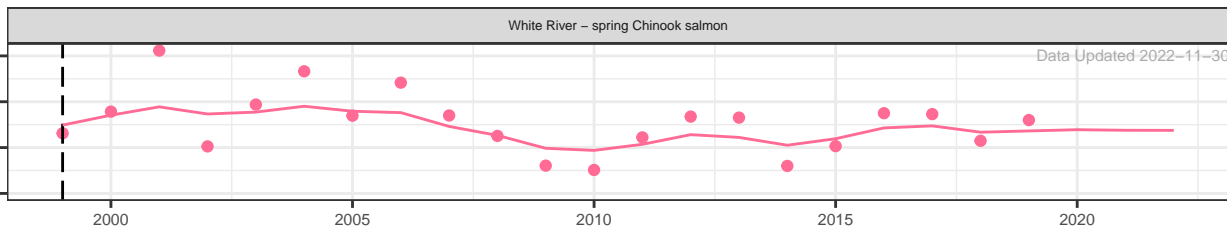
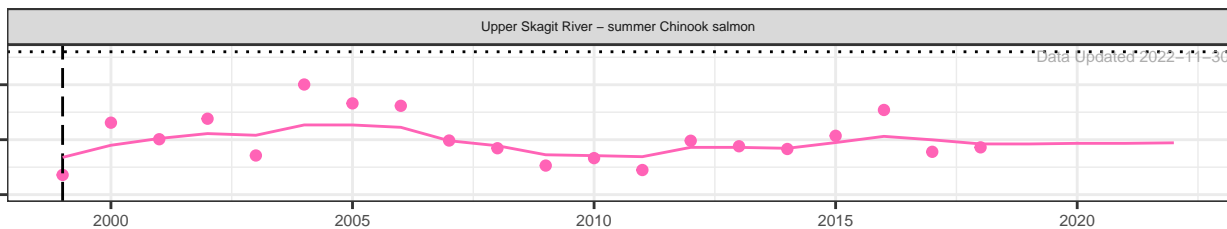
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Puget Sound Chinook ESU

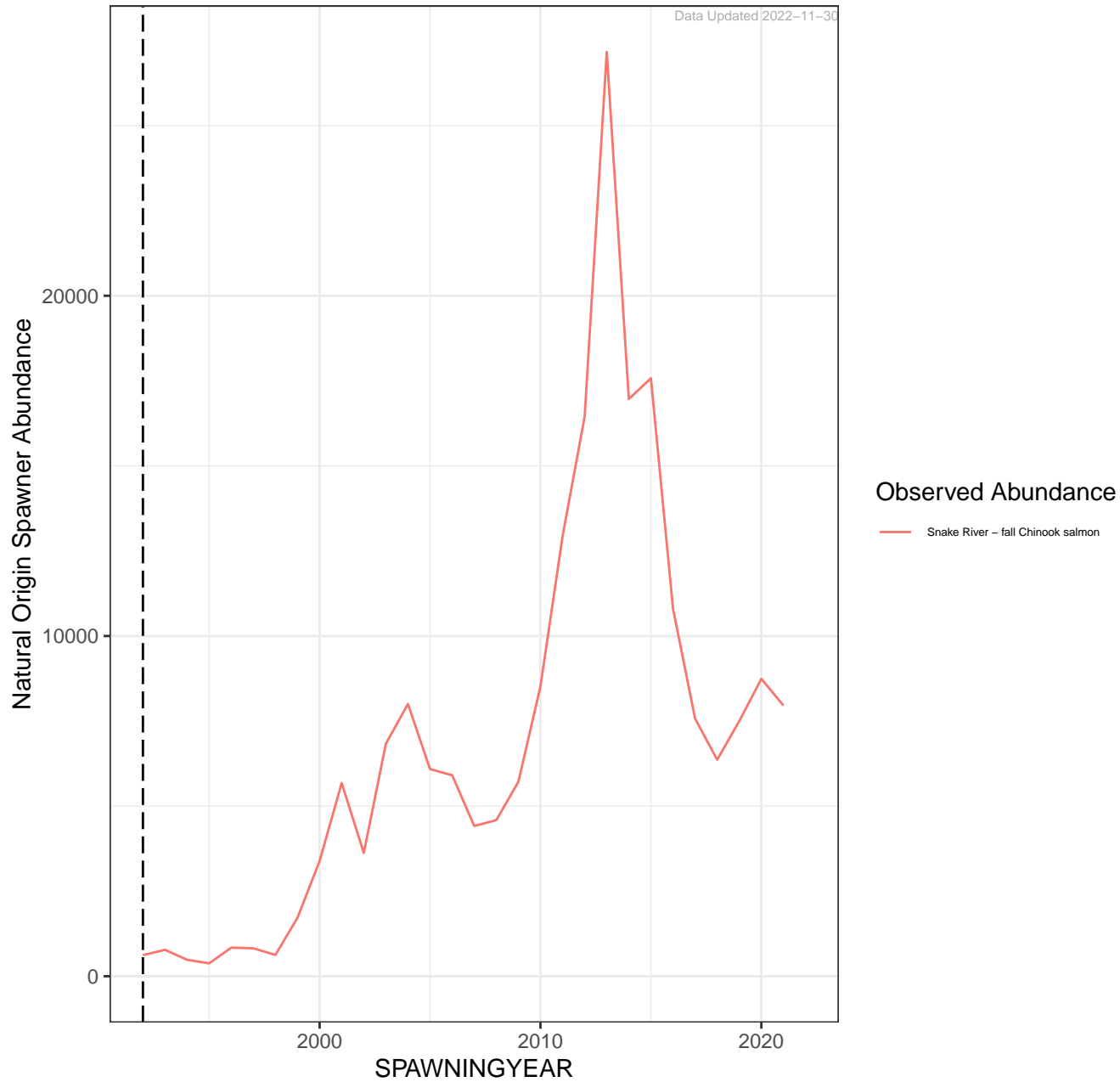
Natural Origin Spawner Abundance



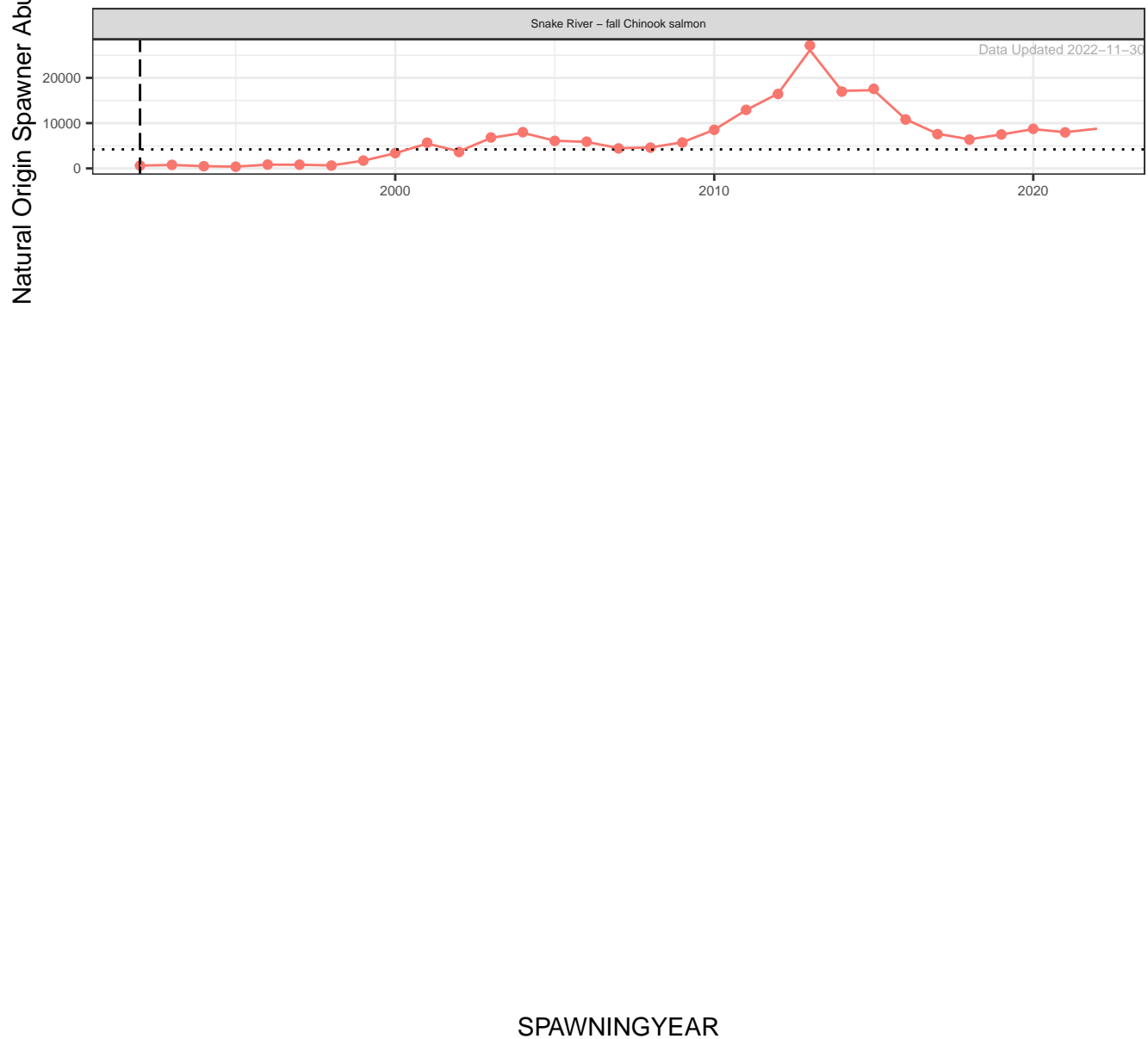
SPAWNINGYEAR

Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Snake River Fall Chinook ESU

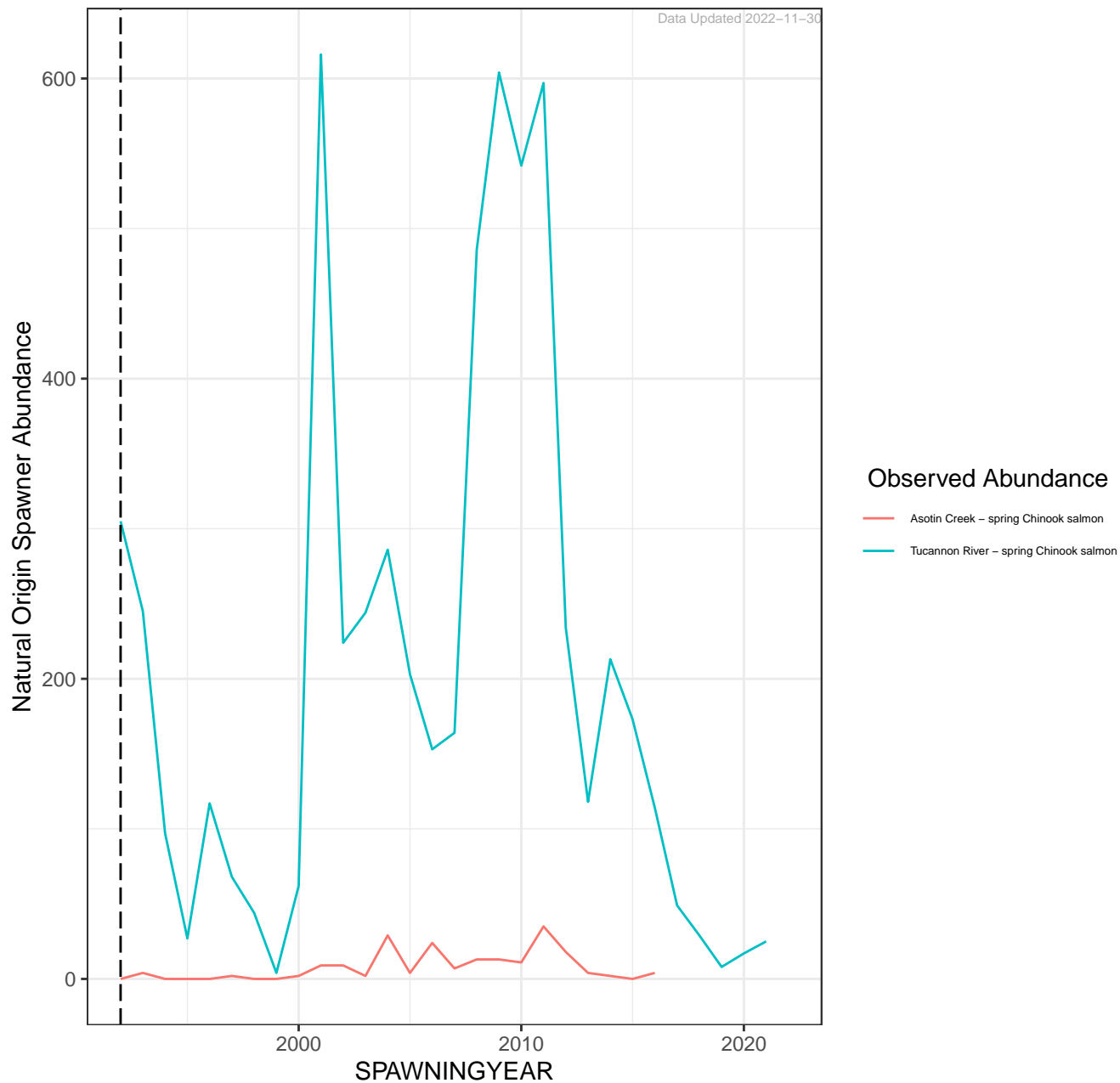


# Snake River Fall Chinook ESU



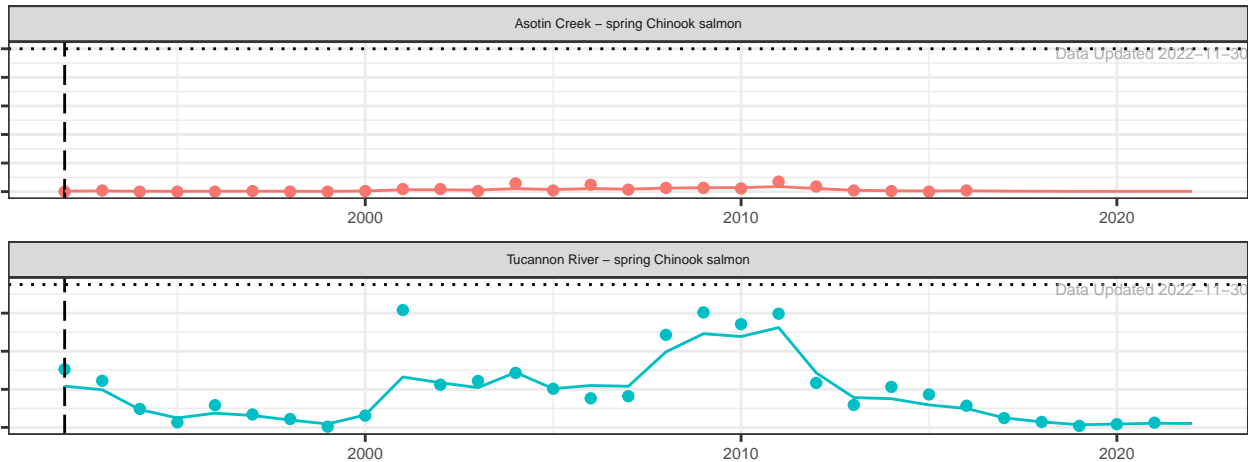
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Snake River Spring/Summer Chinook ESU



# Snake River Spring/Summer Chinook ESU

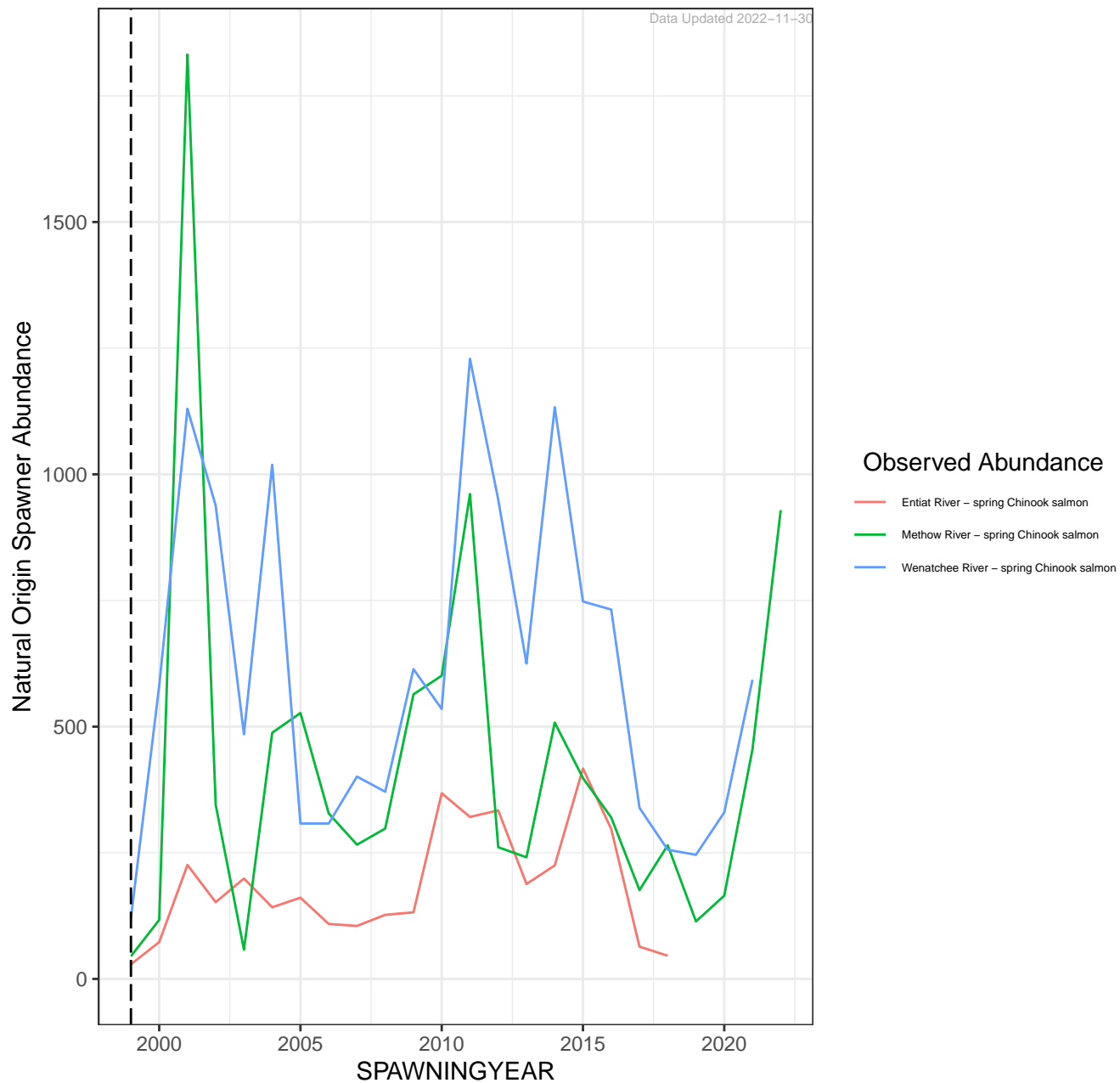
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

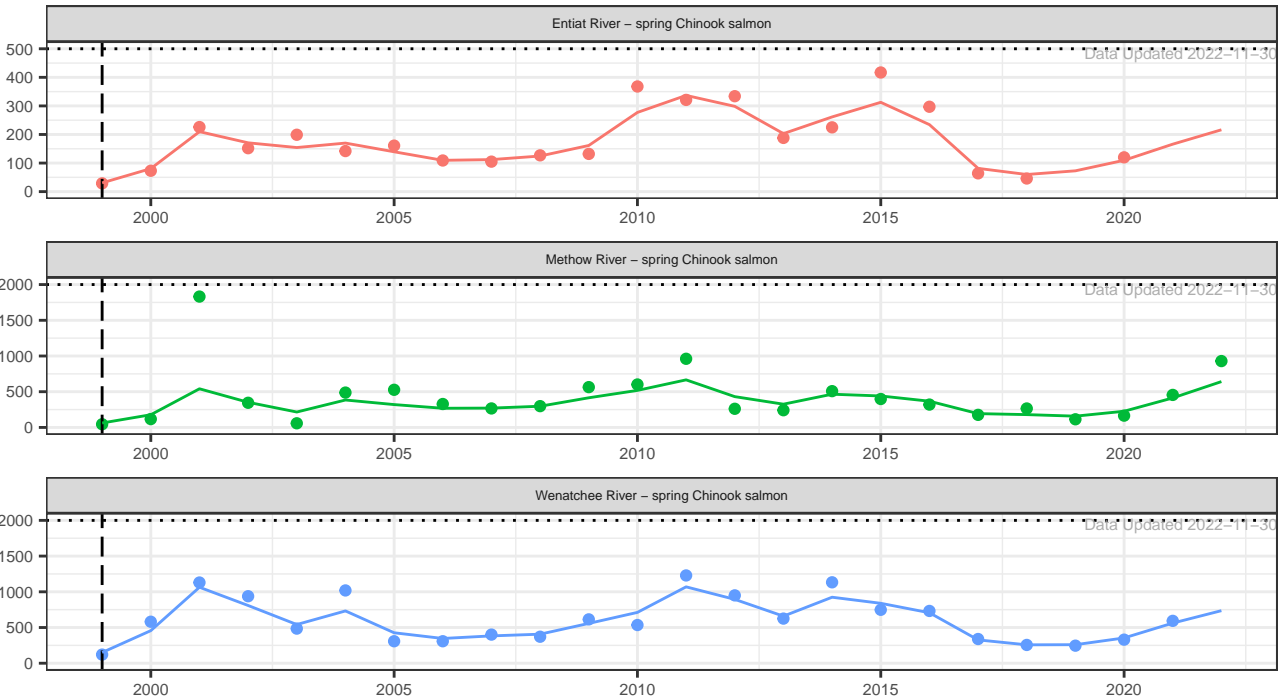


# Upper Columbia River Spring Chinook ESU



# Upper Columbia River Spring Chinook ESU

Natural Origin Spawner Abundance

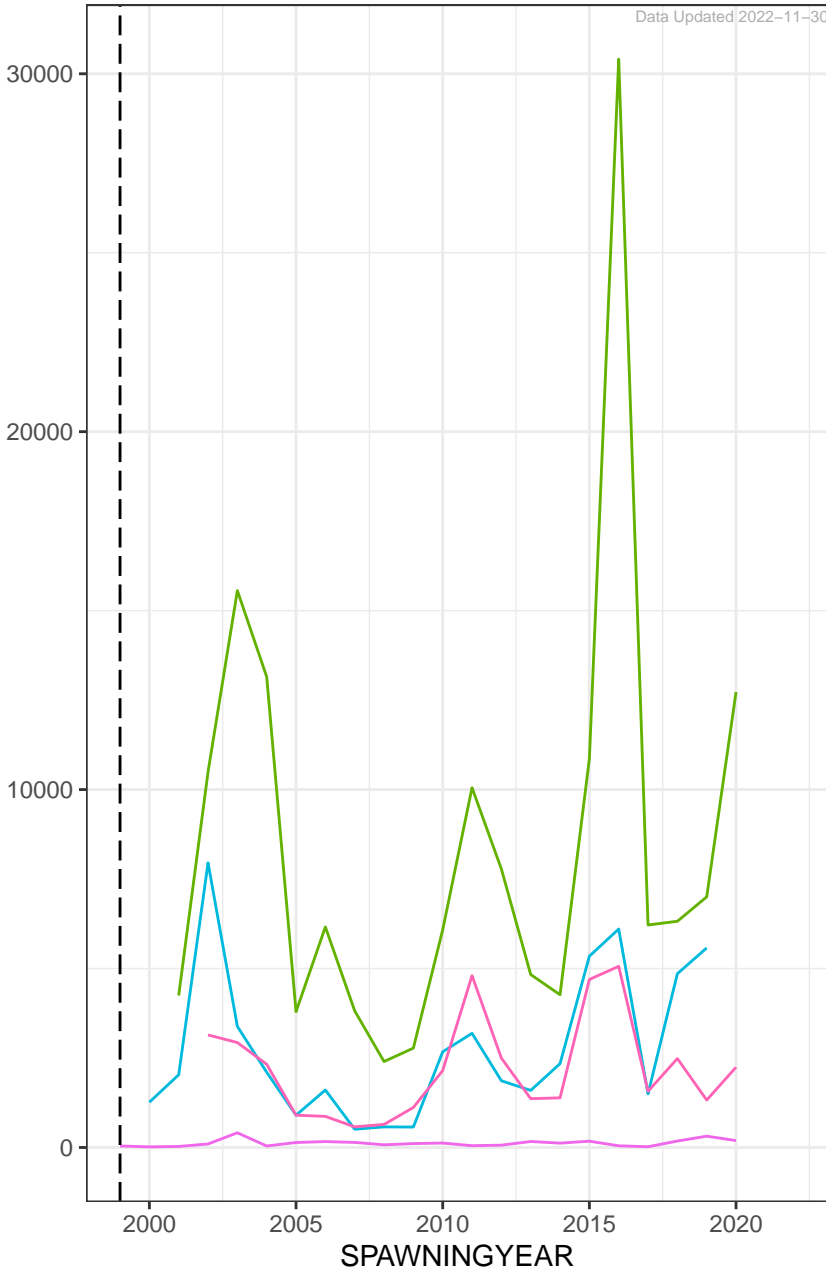


SPAWNING YEAR

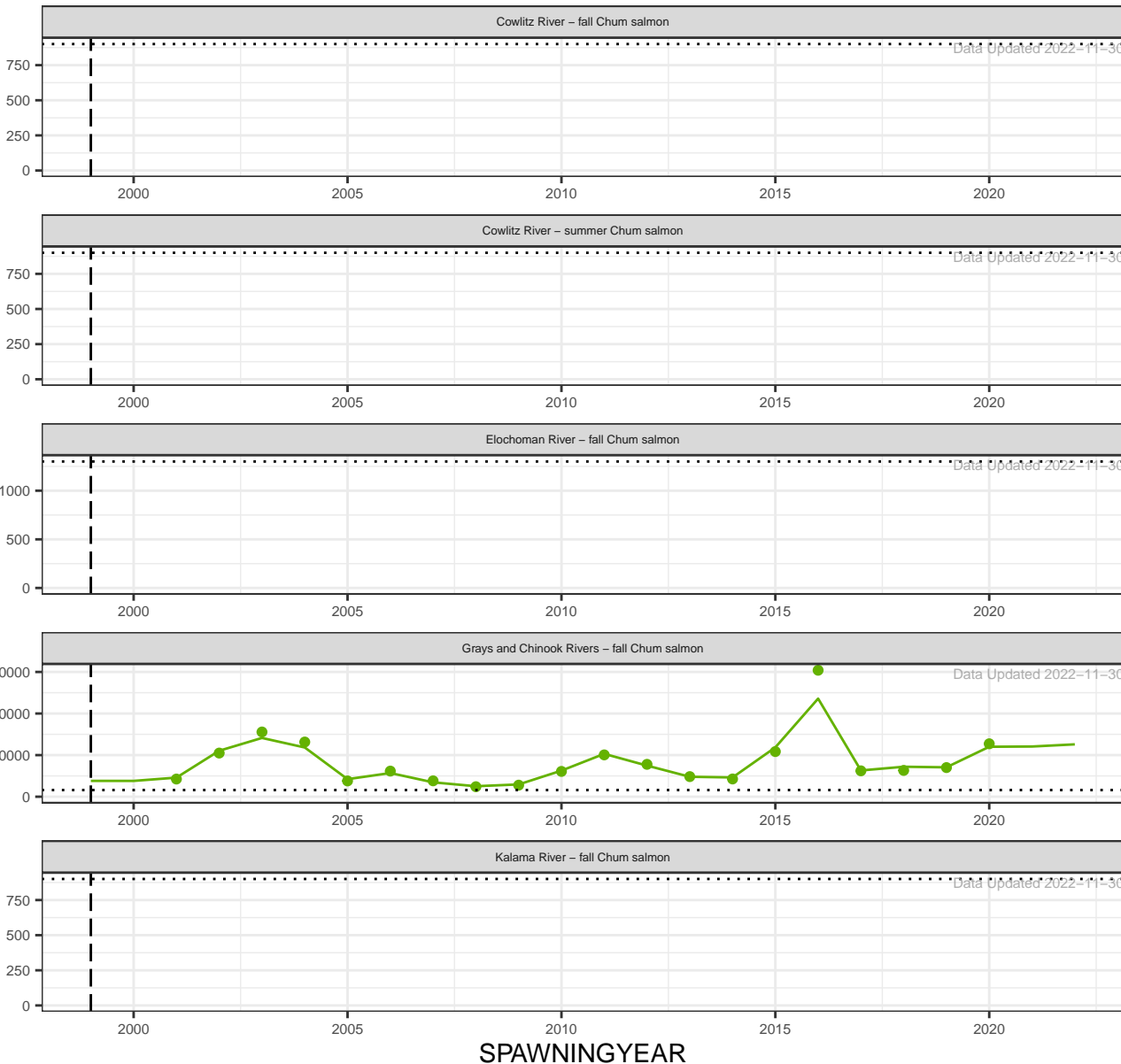
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Columbia River Chum ESU

Natural Origin Spawner Abundance



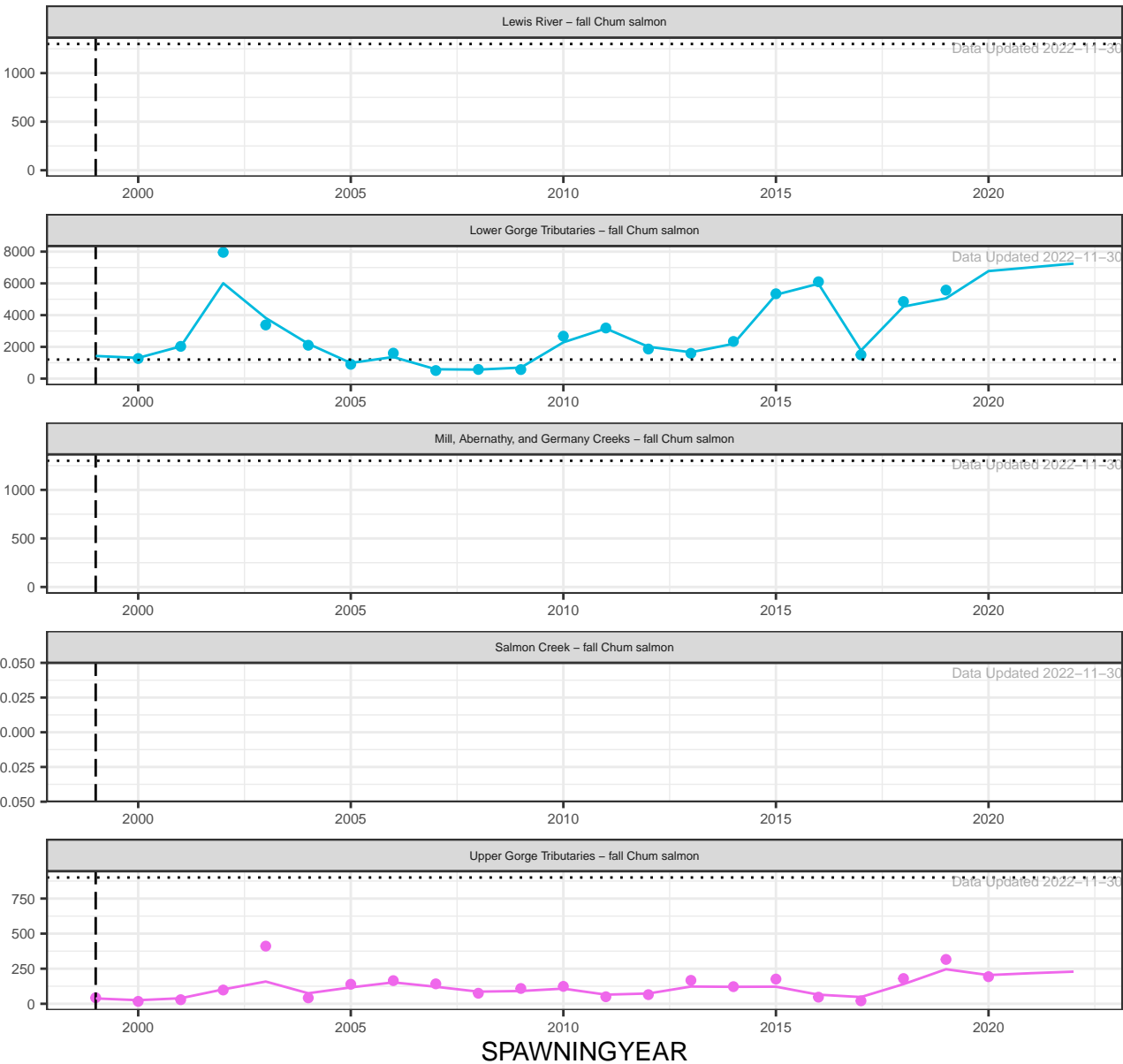
# Columbia River Chum ESU



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

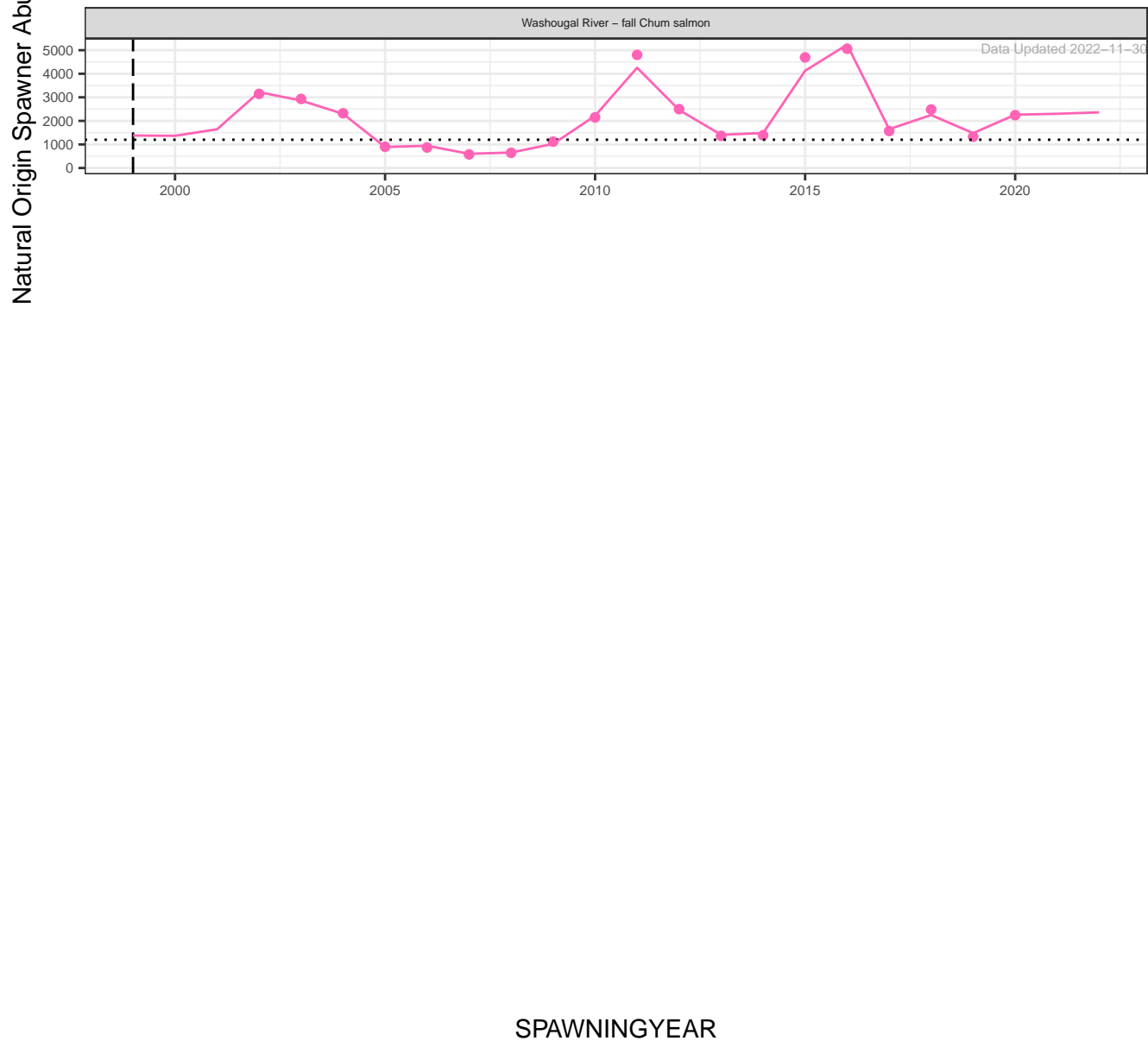
# Columbia River Chum ESU

Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Columbia River Chum ESU



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

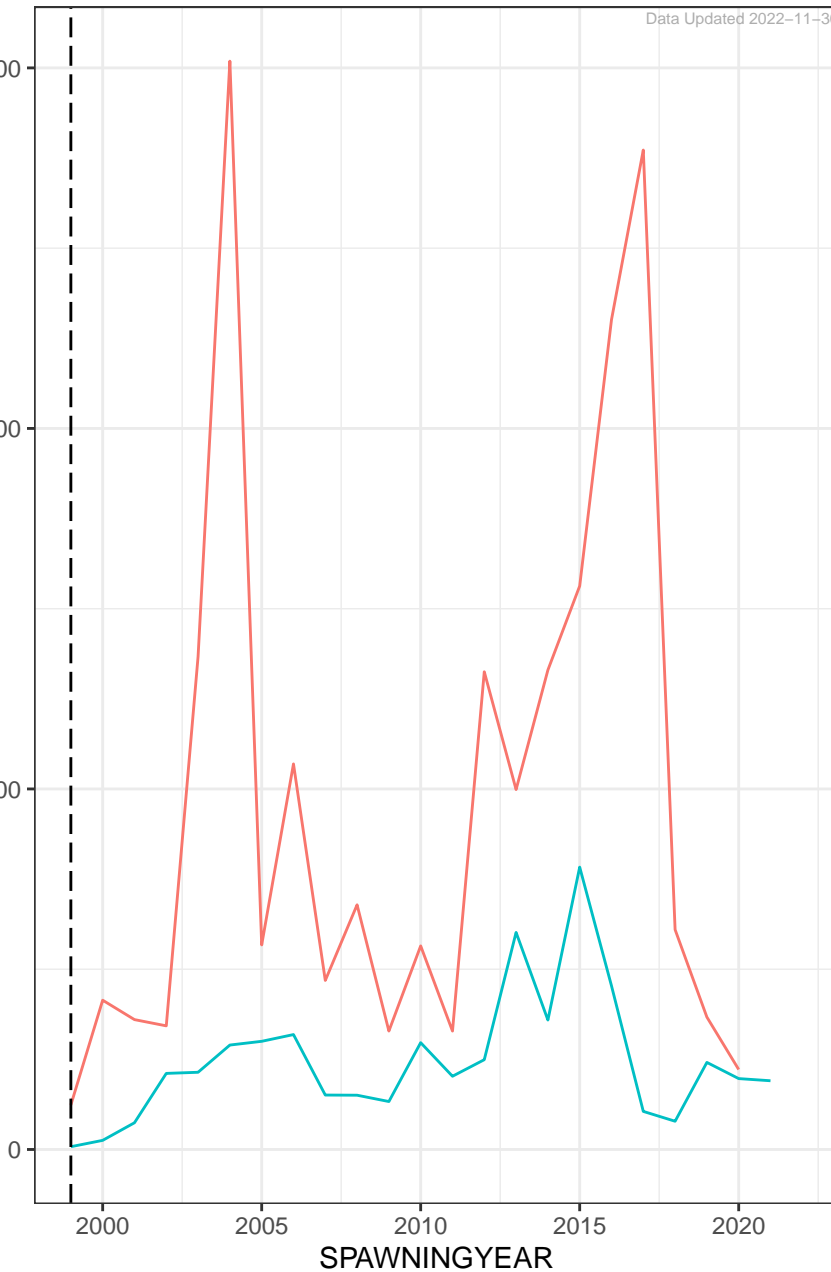
# Hood Canal Summer Chum ESU

Data Updated 2022-11-30

Natural Origin Spawner Abundance

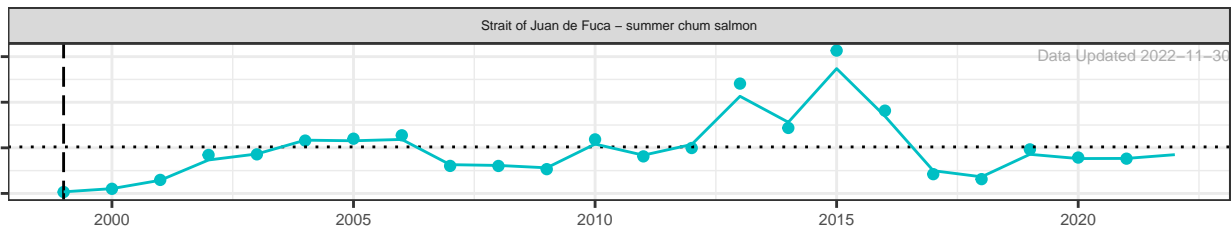
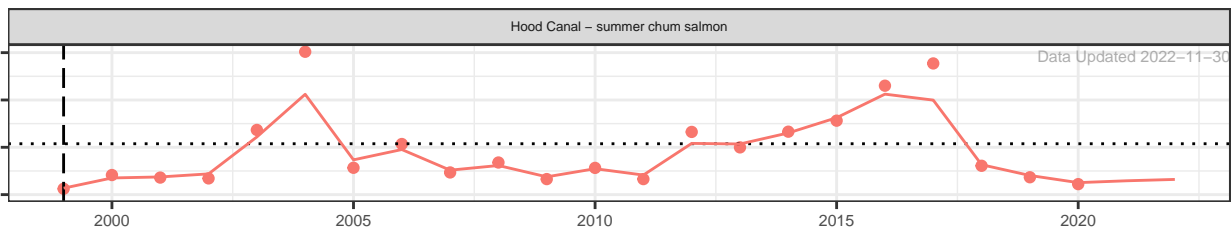
## Observed Abundance

- Hood Canal – summer chum salmon
- Strait of Juan de Fuca – summer chum salmon



# Hood Canal Summer Chum ESU

Natural Origin Spawner Abundance



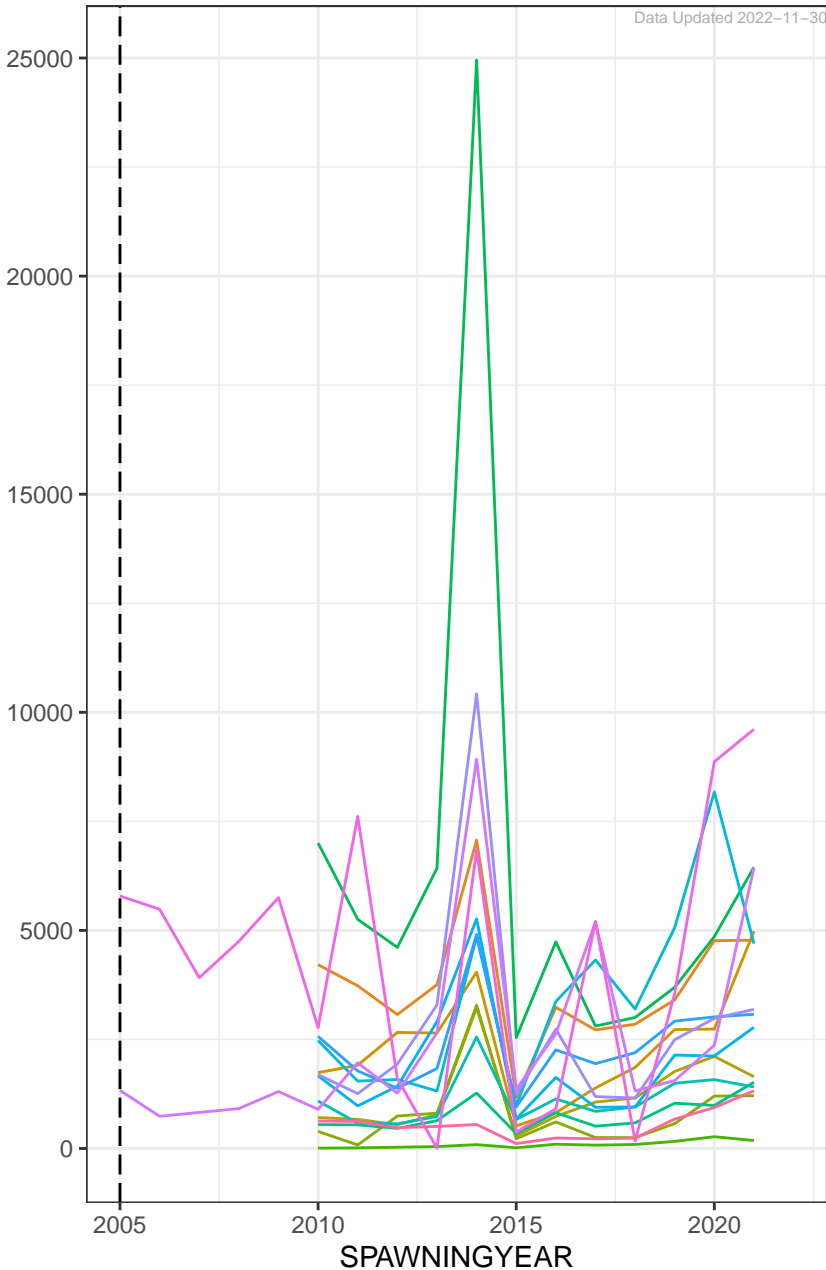
SPAWNINGYEAR

Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.



# Lower Columbia River Coho ESU

Natural Origin Spawner Abundance

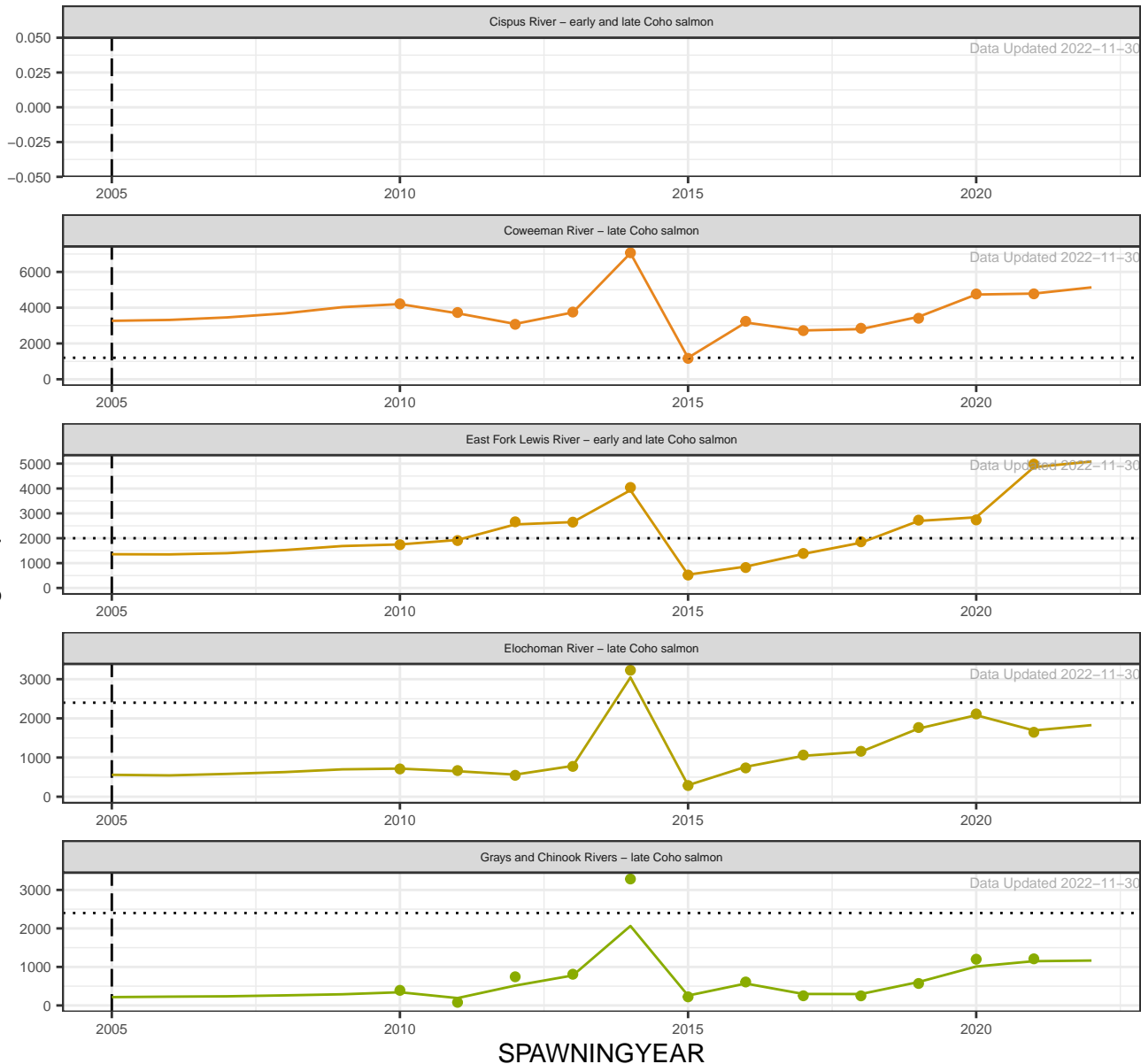


## Observed Abundance

- Cispus River – early and late Coho salmon
- Coweeman River – late Coho salmon
- East Fork Lewis River – early and late Coho salmon
- Elochoman River – late Coho salmon
- Grays and Chinook Rivers – late Coho salmon
- Kalama River – late Coho salmon
- Lower Cowlitz River – late Coho salmon
- Lower Gorge Tributaries – late Coho salmon
- Mill, Abernathy, and Germany Creeks – late Coho salmon
- North Fork Lewis River – early and late Coho salmon
- North Fork Toutle River – early and late Coho salmon
- Salmon Creek – late Coho salmon
- South Fork Toutle River – early and late Coho salmon
- Tilton River – early and late Coho salmon
- Upper Cowlitz River – early and late Coho salmon
- Upper Gorge Tributaries – late Coho salmon
- Washougal River – late Coho salmon

# Lower Columbia River Coho ESU

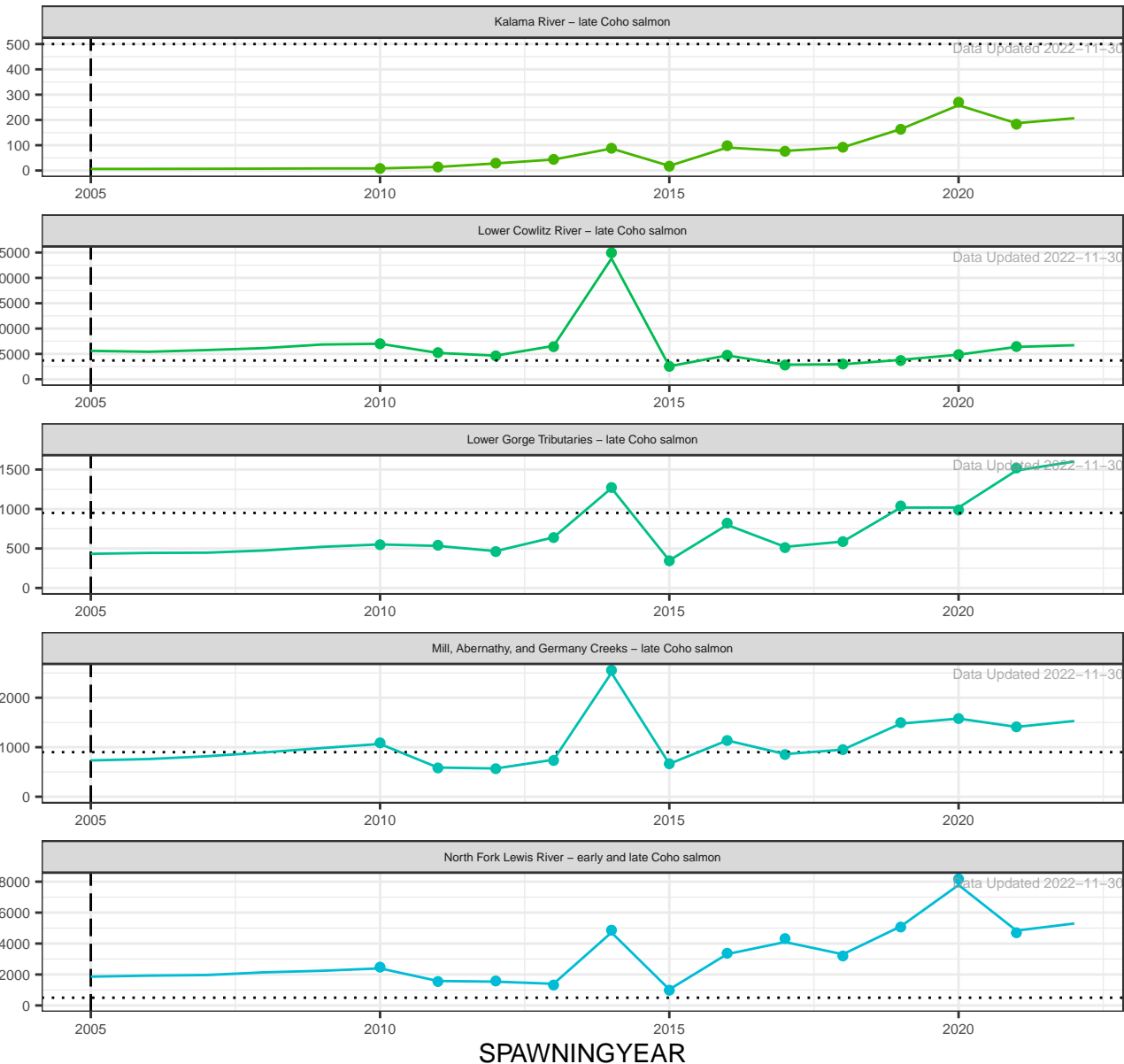
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Lower Columbia River Coho ESU

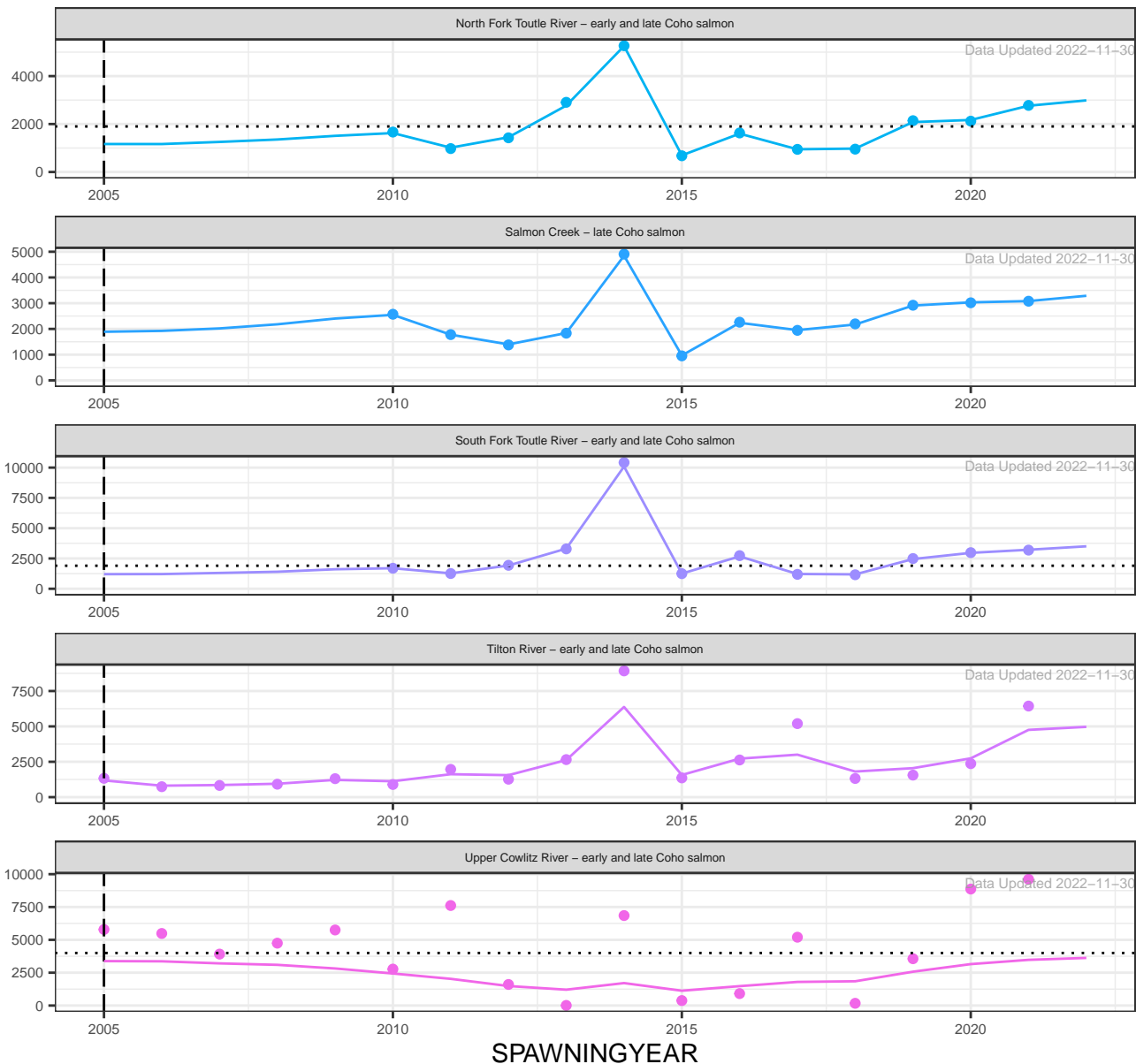
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Lower Columbia River Coho ESU

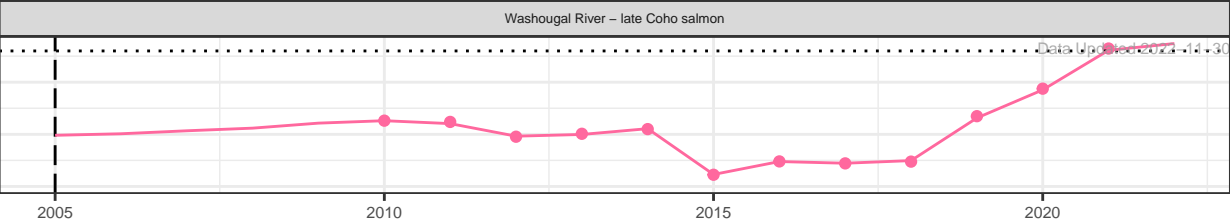
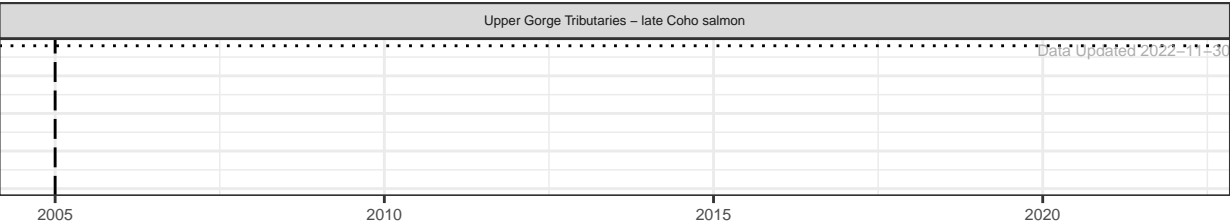
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Lower Columbia River Coho ESU

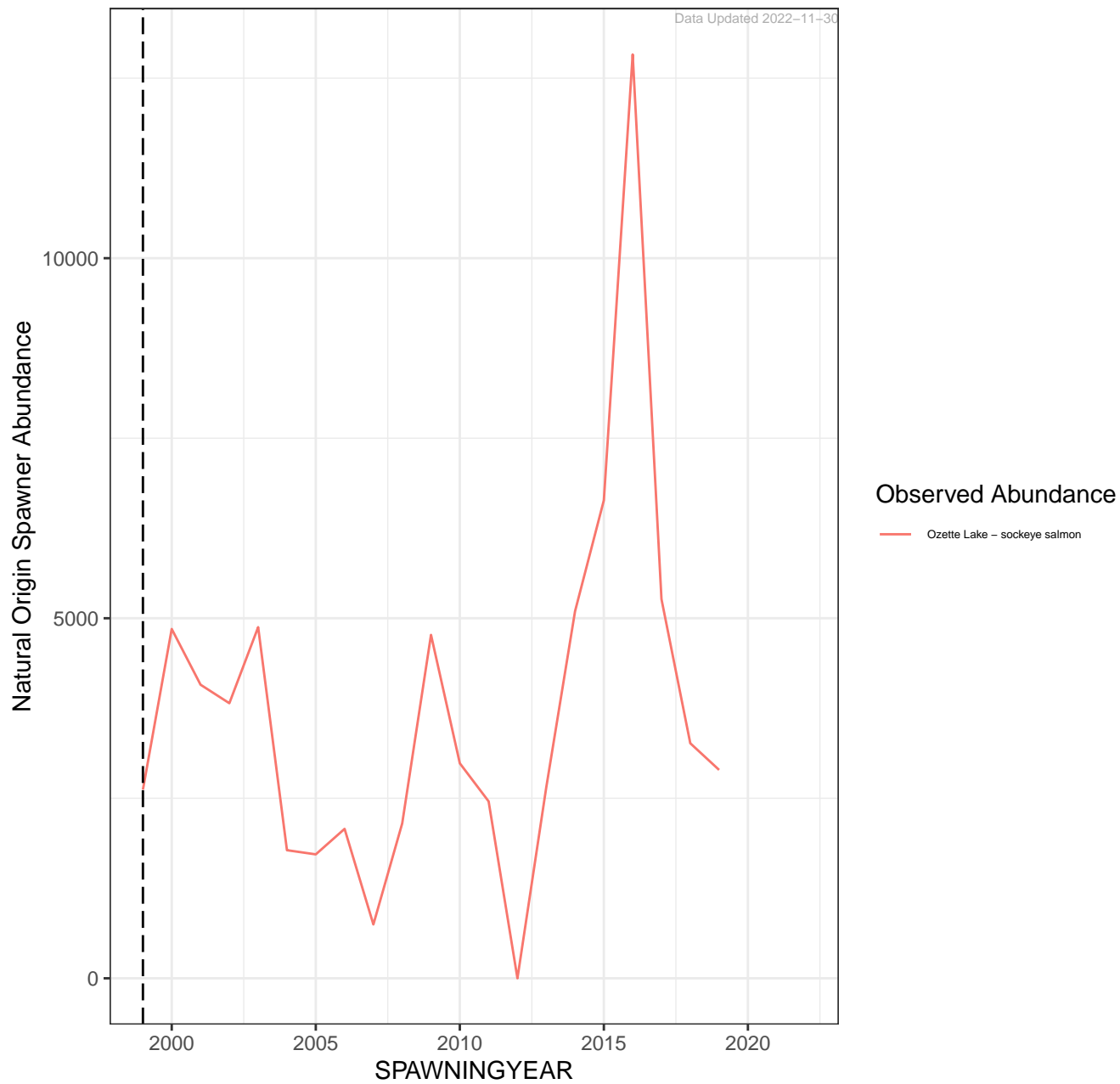
Natural Origin Spawner Abundance



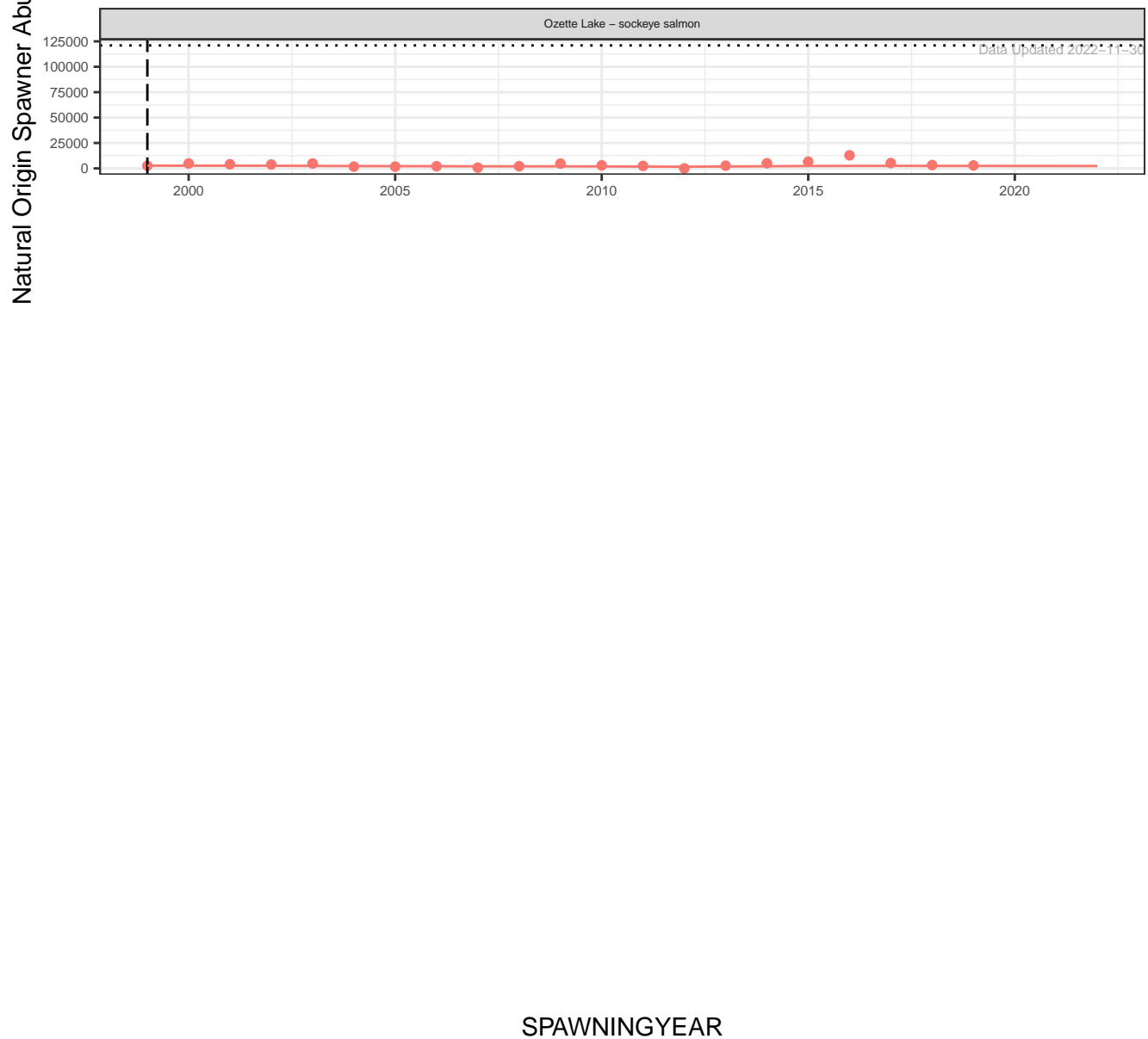
SPAWNINGYEAR

Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Ozette Lake Sockeye ESU

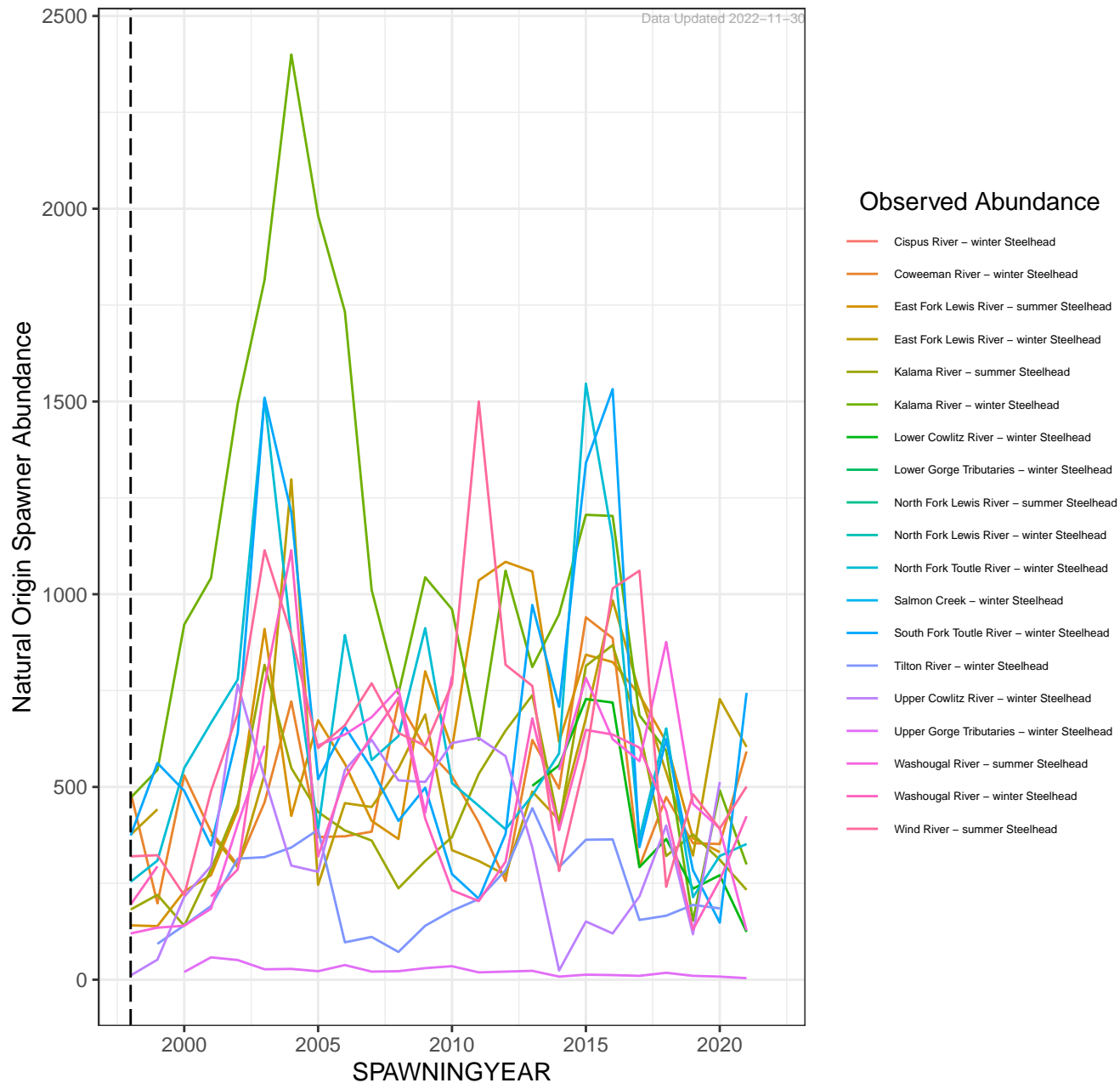


# Ozette Lake Sockeye ESU



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

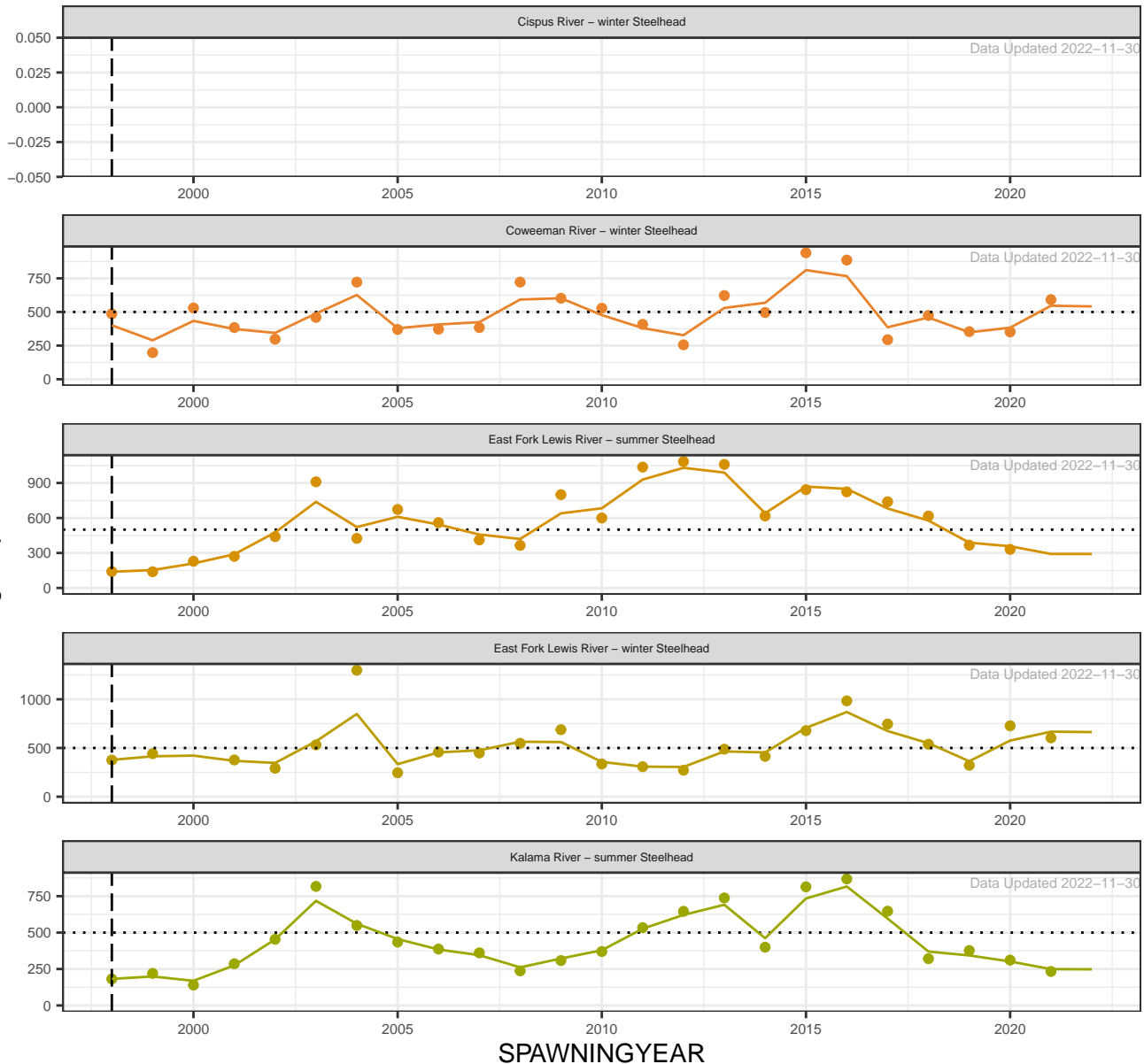
# Lower Columbia River Steelhead DPS





# Lower Columbia River Steelhead DPS

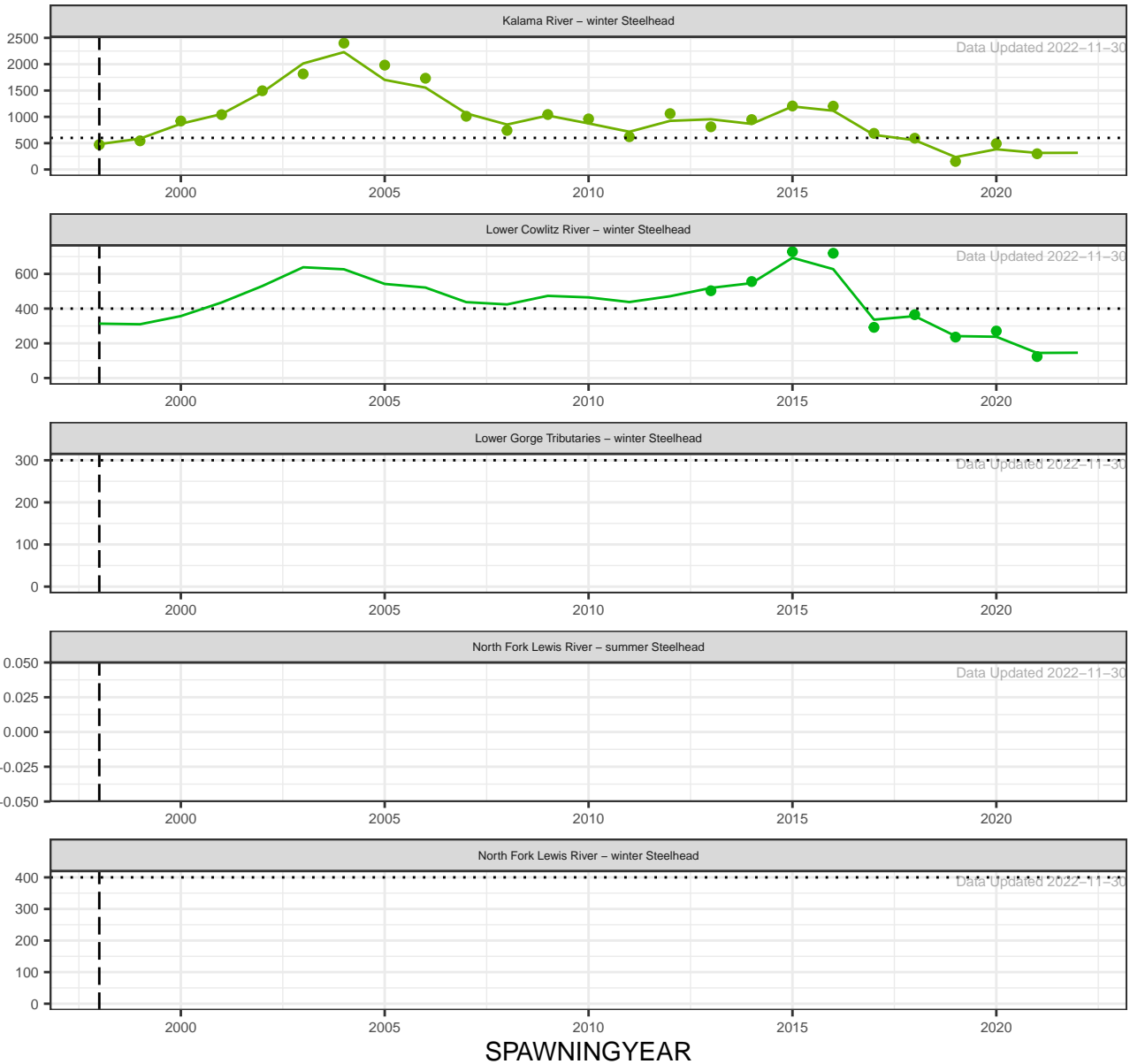
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Lower Columbia River Steelhead DPS

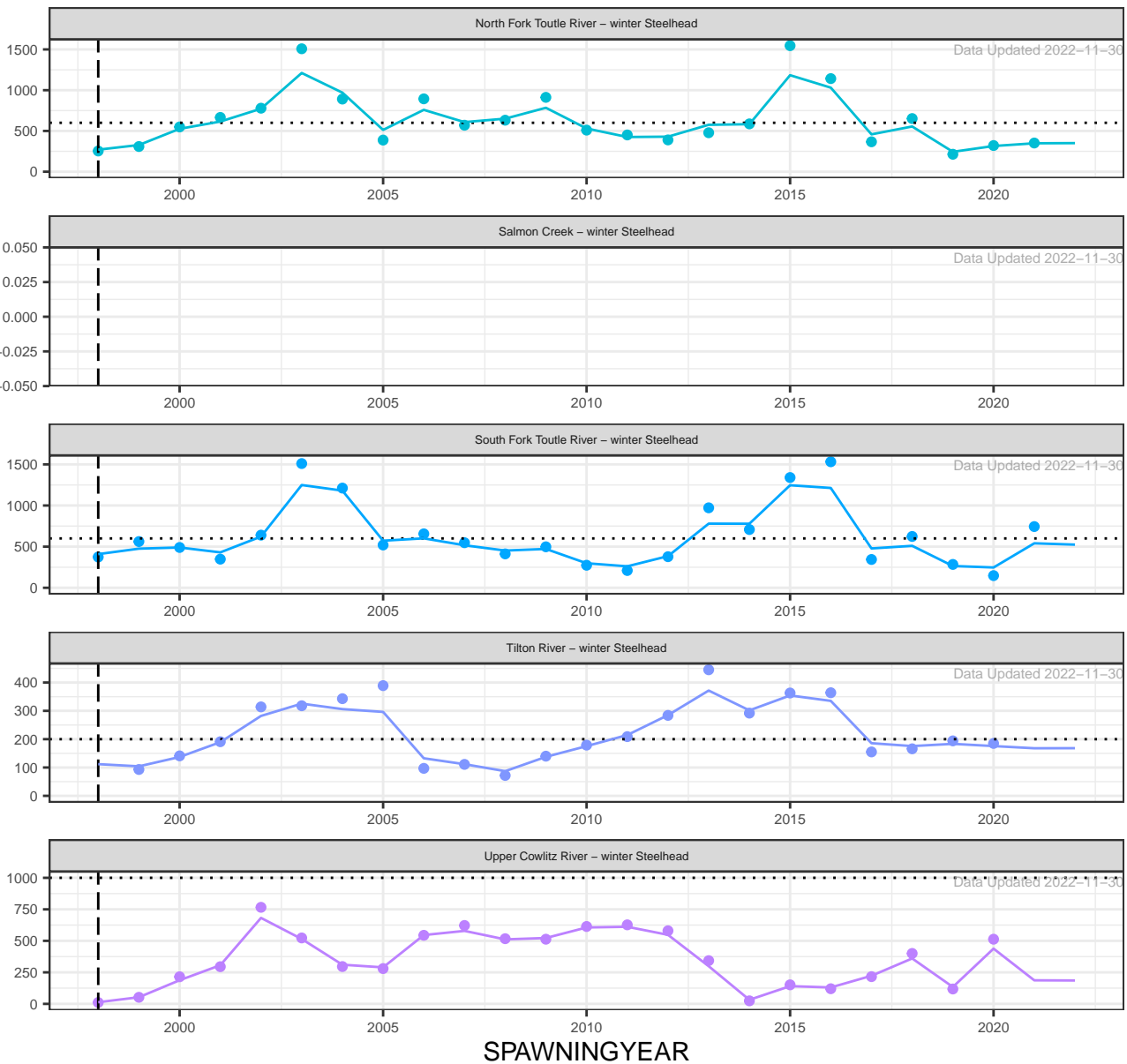
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Lower Columbia River Steelhead DPS

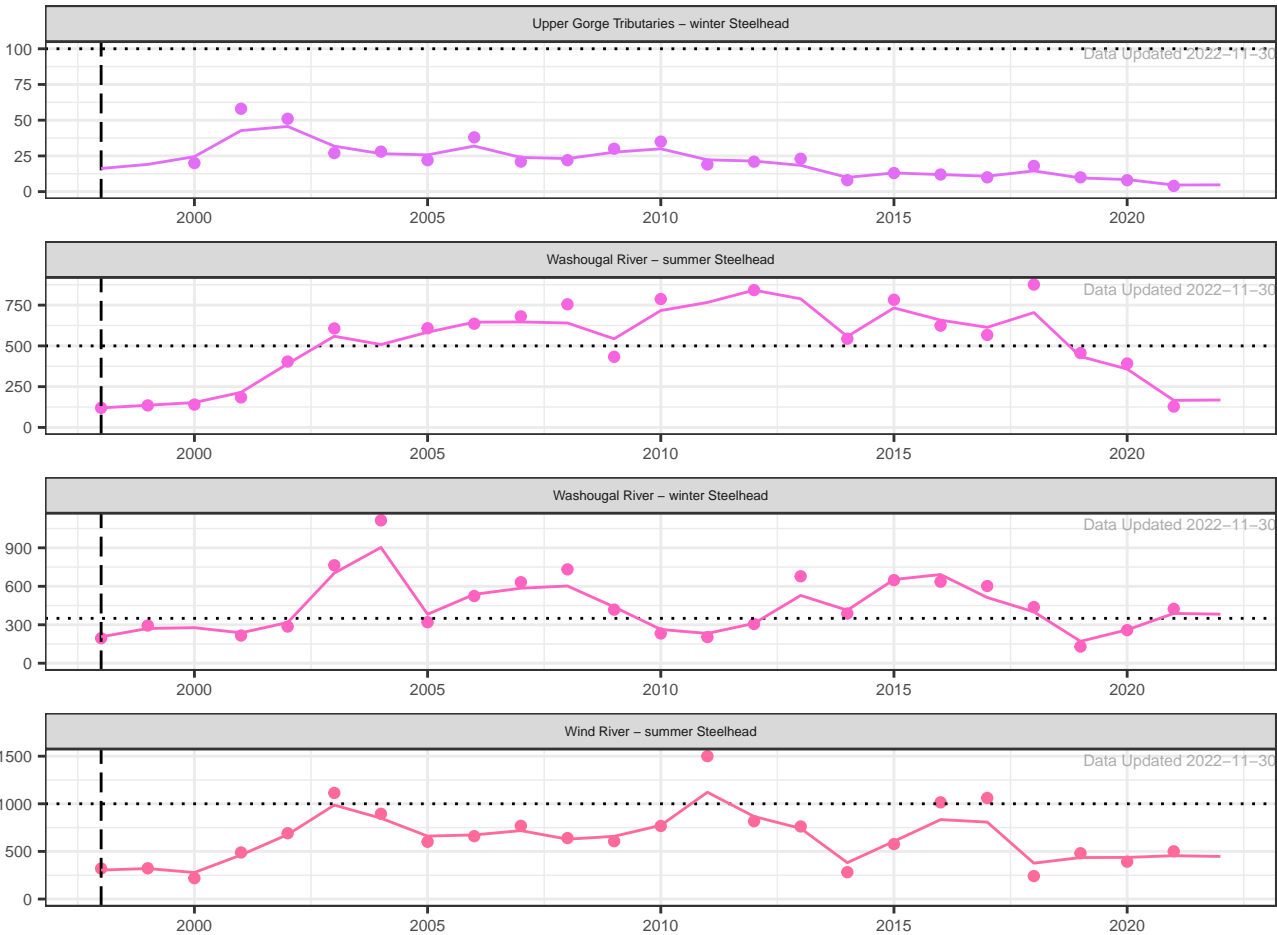
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Lower Columbia River Steelhead DPS

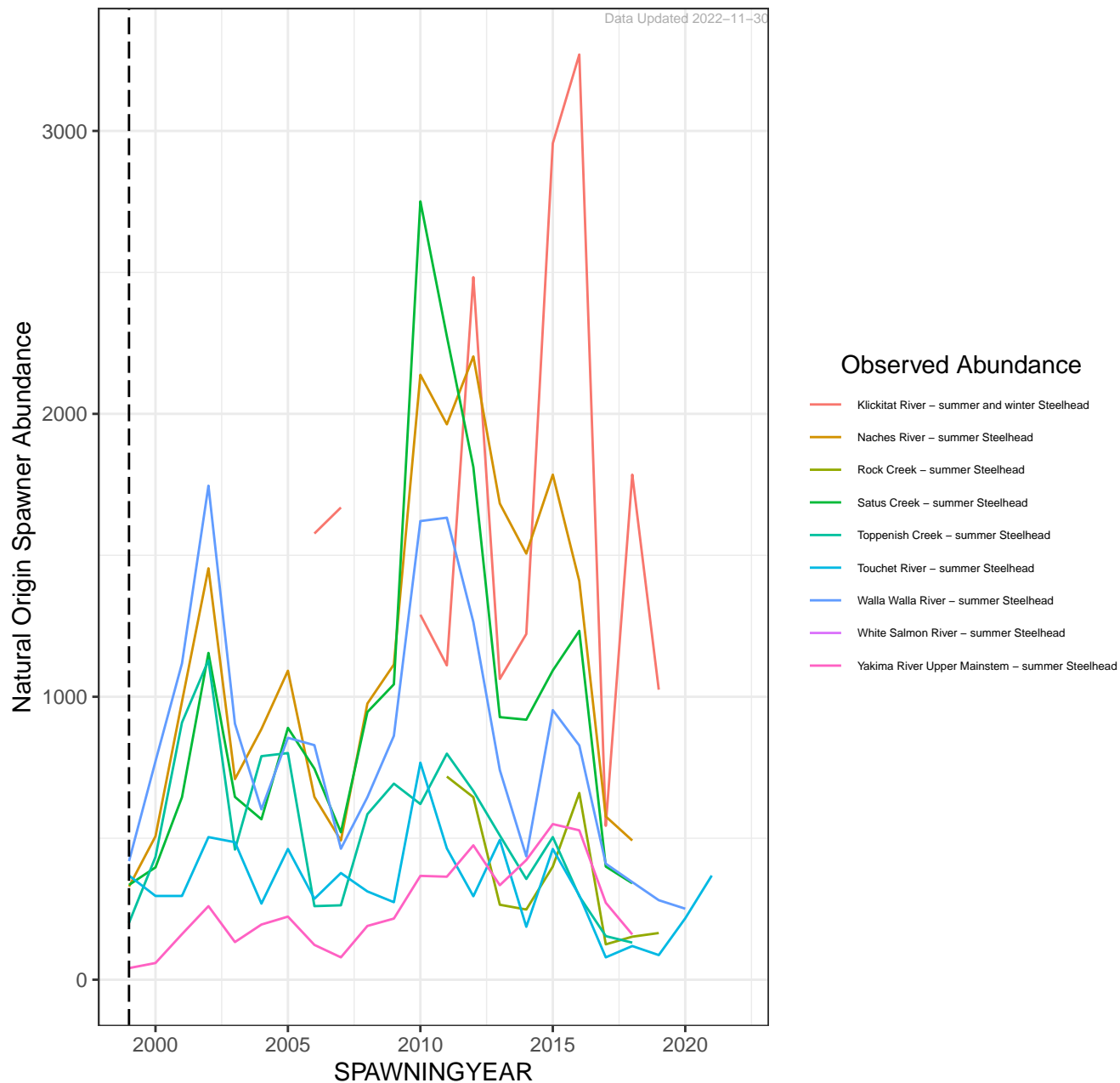
Natural Origin Spawner Abundance



SPAWNINGYEAR

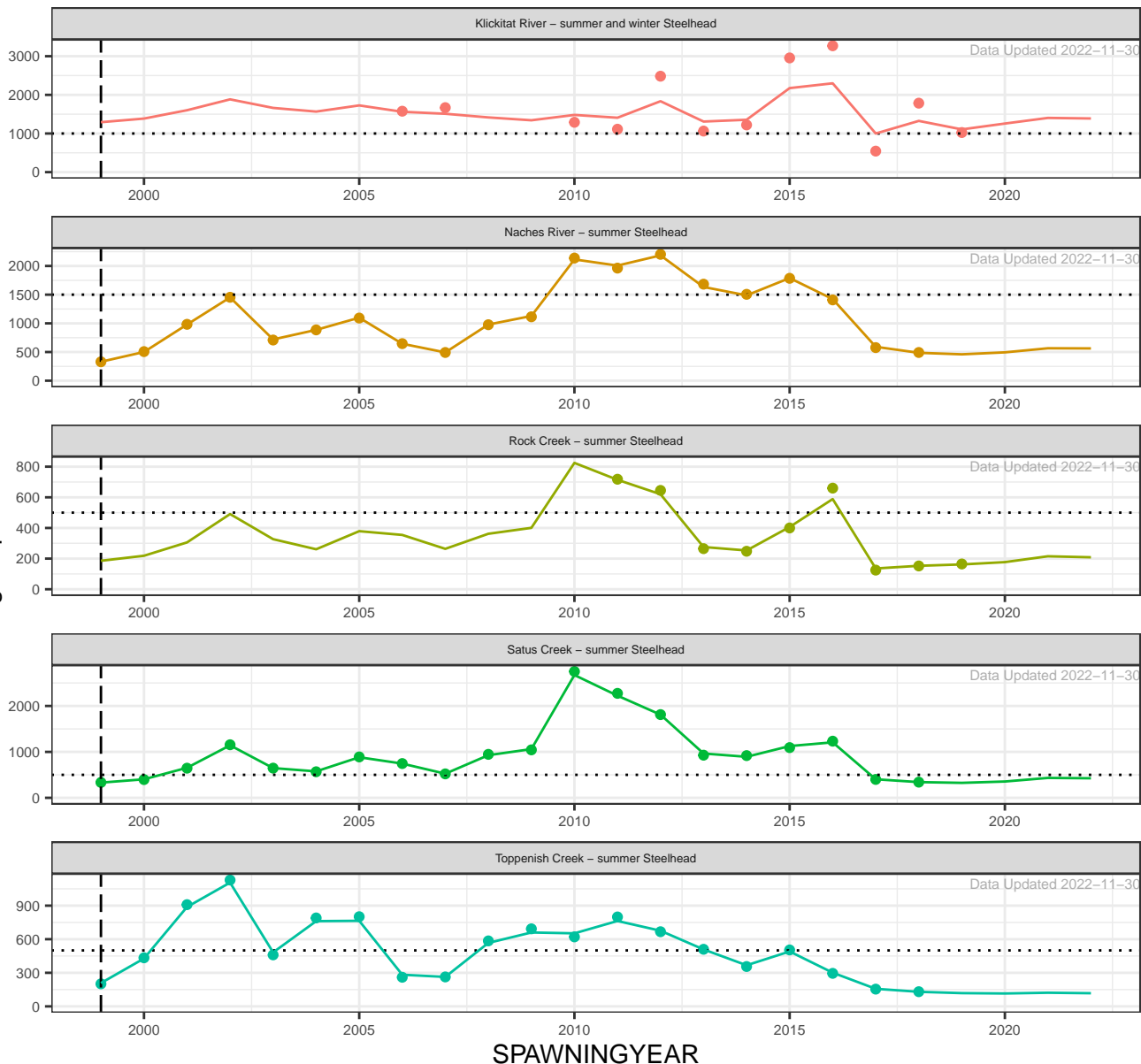
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Middle Columbia River Steelhead DPS



# Middle Columbia River Steelhead DPS

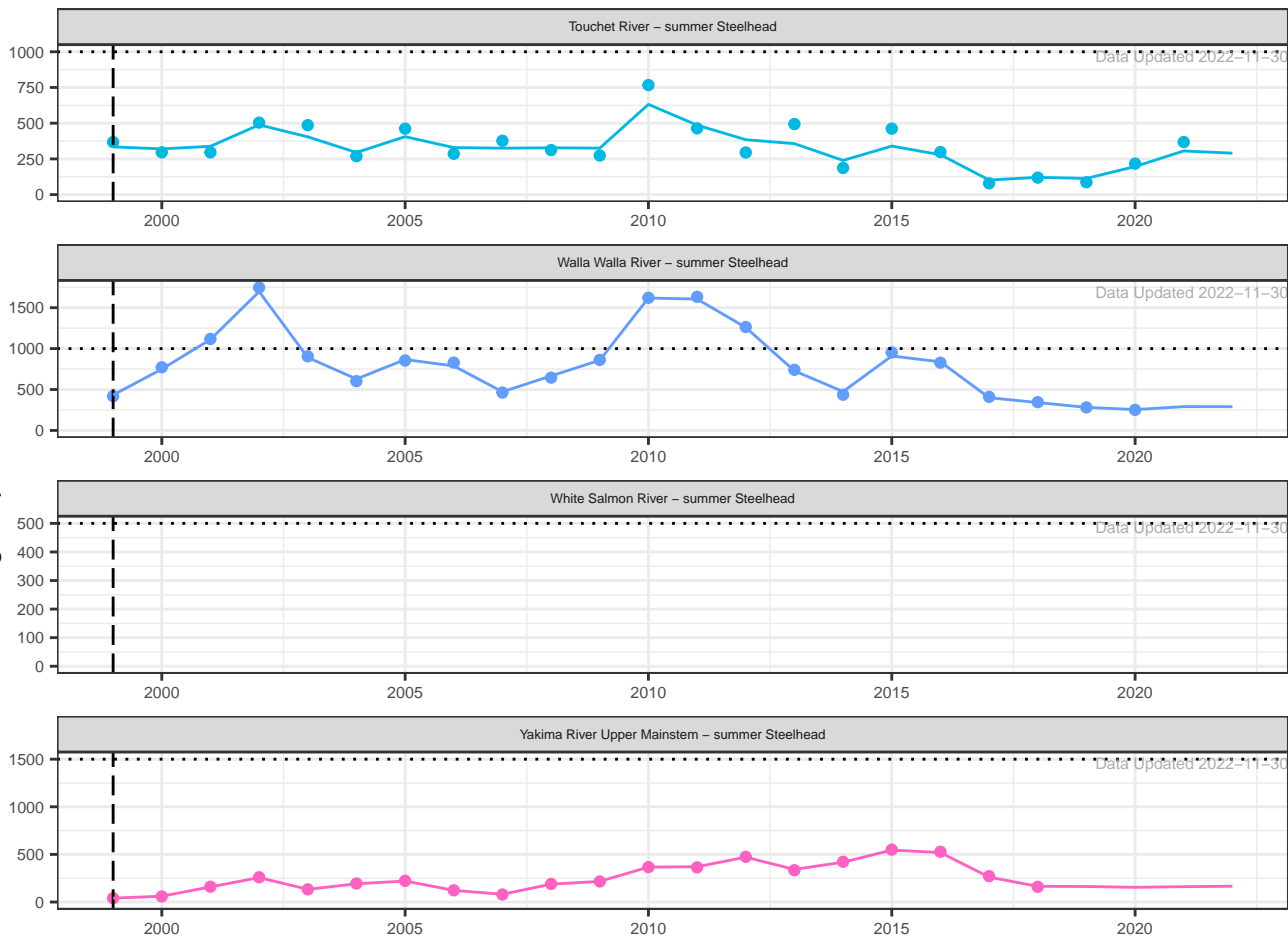
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA–listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Middle Columbia River Steelhead DPS

Natural Origin Spawner Abundance

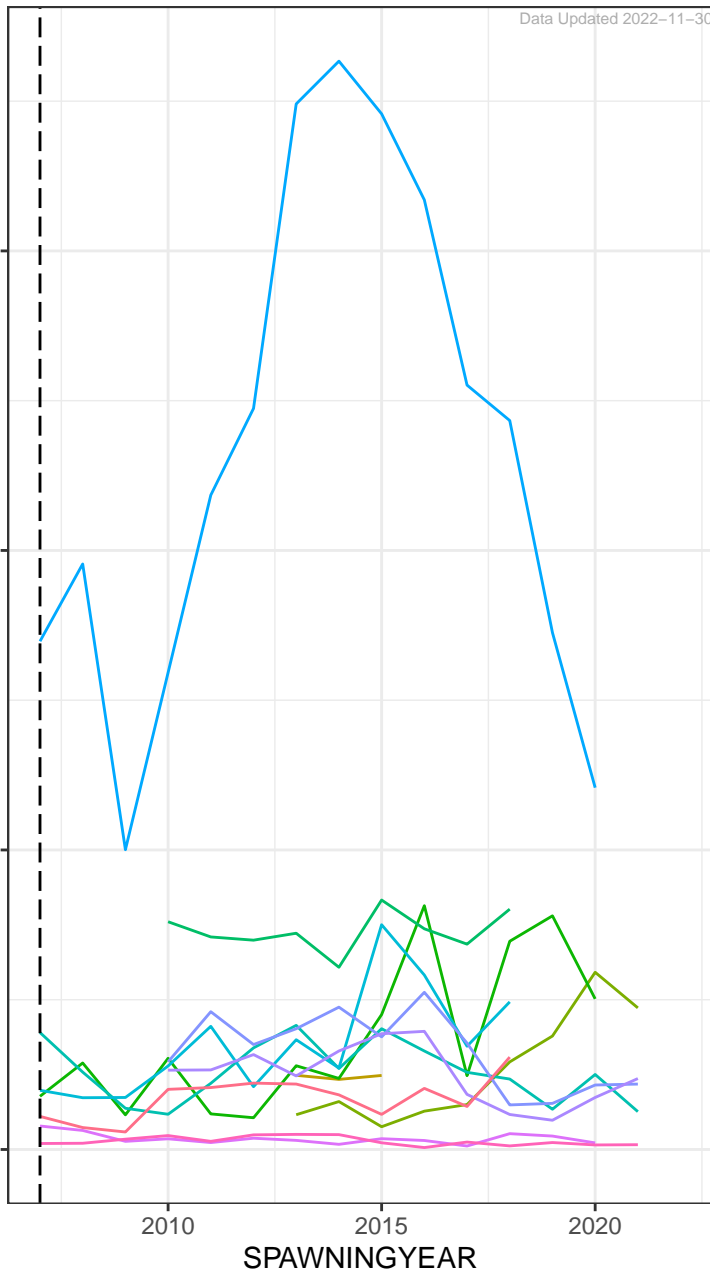


SPAWNING YEAR

Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Puget Sound Steelhead DPS

Natural Origin Spawner Abundance



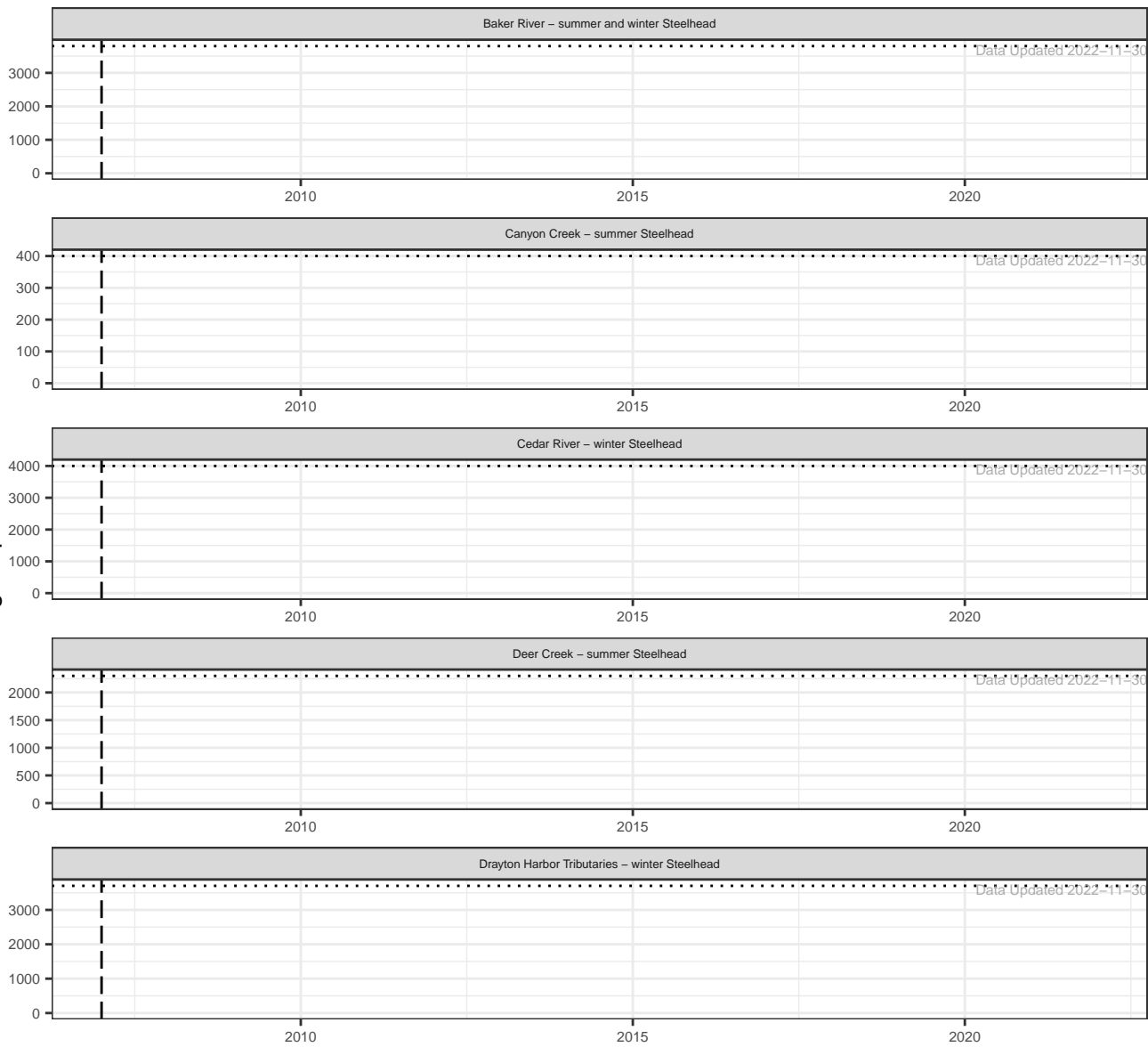
## Observed Abundance

- Baker River – summer and winter Steelhead
- Canyon Creek – summer Steelhead
- Cedar River – winter Steelhead
- Deer Creek – summer Steelhead
- Drayton Harbor Tributaries – winter Steelhead
- Dungeness River – summer and winter Steelhead
- East Hood Canal Tributaries – winter Steelhead
- East Kitsap Peninsula Tributaries – winter Steelhead
- Elwha River – winter Steelhead
- Green River – winter Steelhead
- Nisqually River – winter Steelhead
- Nookachamps Creek – winter Steelhead
- Nooksack River – winter Steelhead
- North Fork Skykomish River – summer Steelhead
- North Lake Washington and Lake Sammamish – winter Steelhead
- Pilchuck River – winter Steelhead
- Puyallup River/Carbon River – winter Steelhead
- Samish River and Bellingham Bay Tributaries – winter Steelhead
- Sauk River – summer and winter Steelhead
- Sequim/Discovery Bays Tributaries – winter Steelhead
- Skagit River – summer and winter Steelhead
- Skokomish River – winter Steelhead
- Snohomish/Skykomish Rivers – winter Steelhead
- Snoqualmie River – winter Steelhead
- South Fork Nooksack River – summer Steelhead
- South Hood Canal Tributaries – winter Steelhead
- South Puget Sound Tributaries – winter Steelhead
- Stillaguamish River – winter Steelhead
- Strait of Juan de Fuca Tributaries – winter Steelhead
- Tolt River – summer Steelhead
- West Hood Canal Tributaries – winter Steelhead
- White River – winter Steelhead



# Puget Sound Steelhead DPS

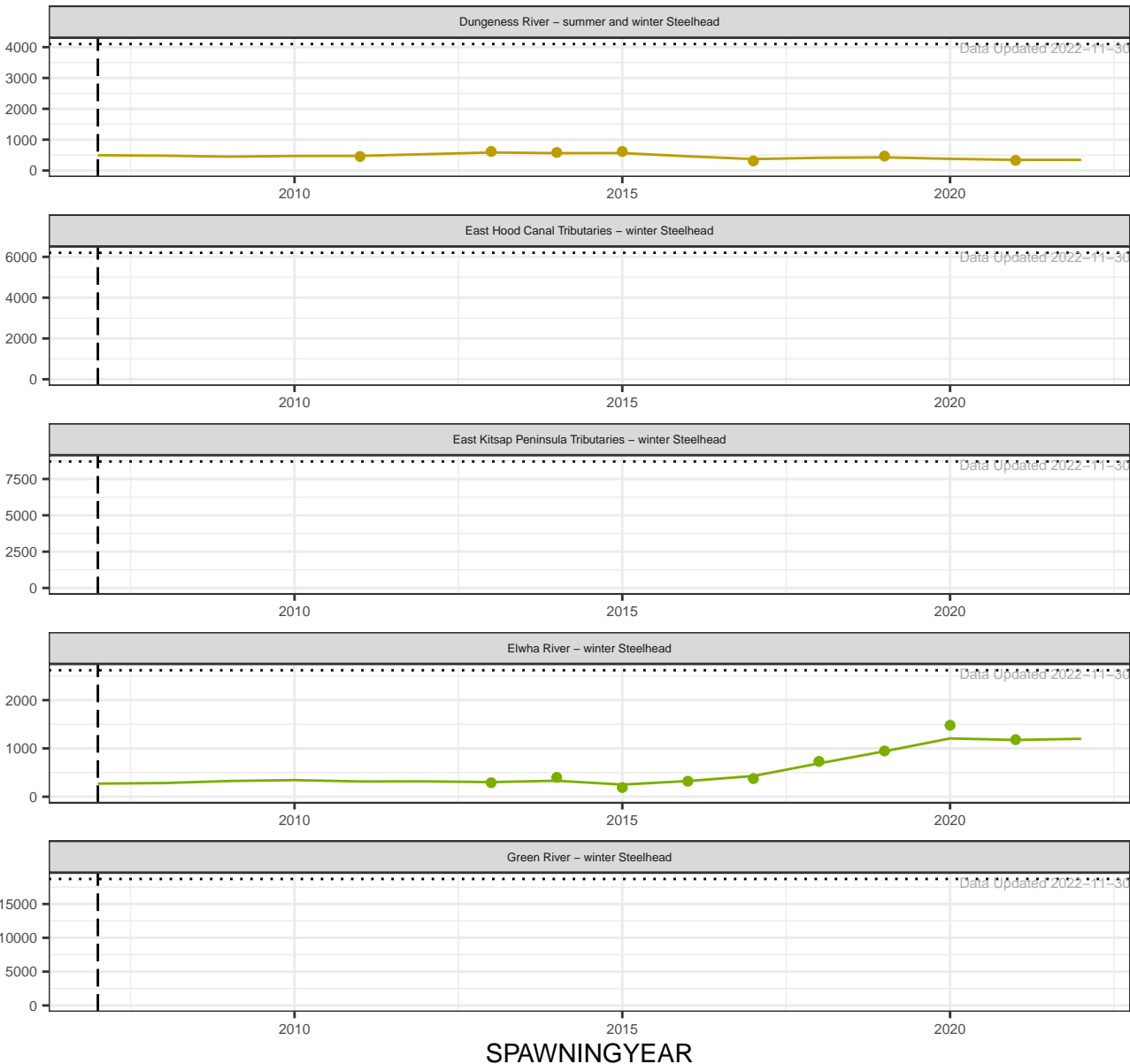
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Puget Sound Steelhead DPS

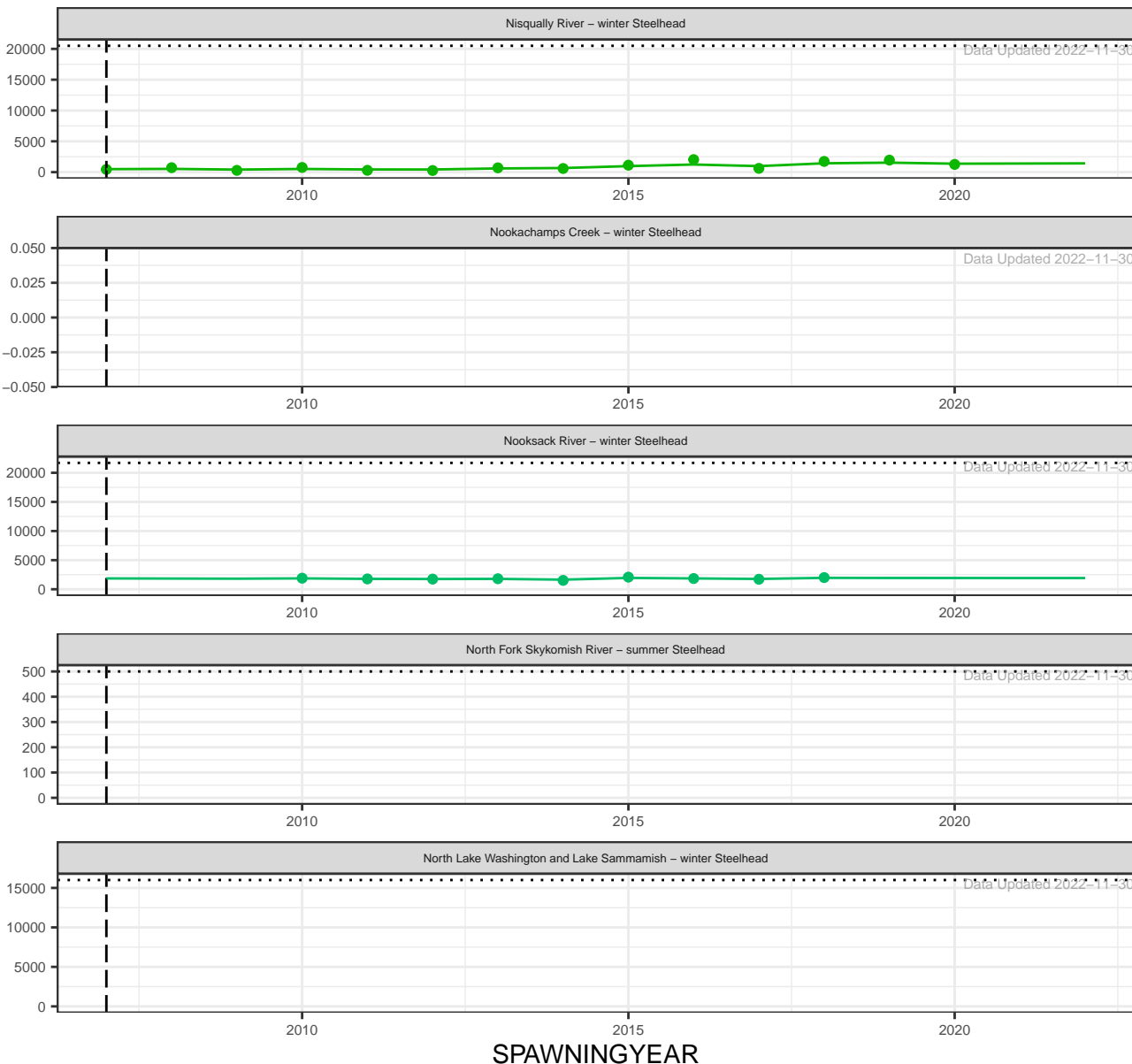
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Puget Sound Steelhead DPS

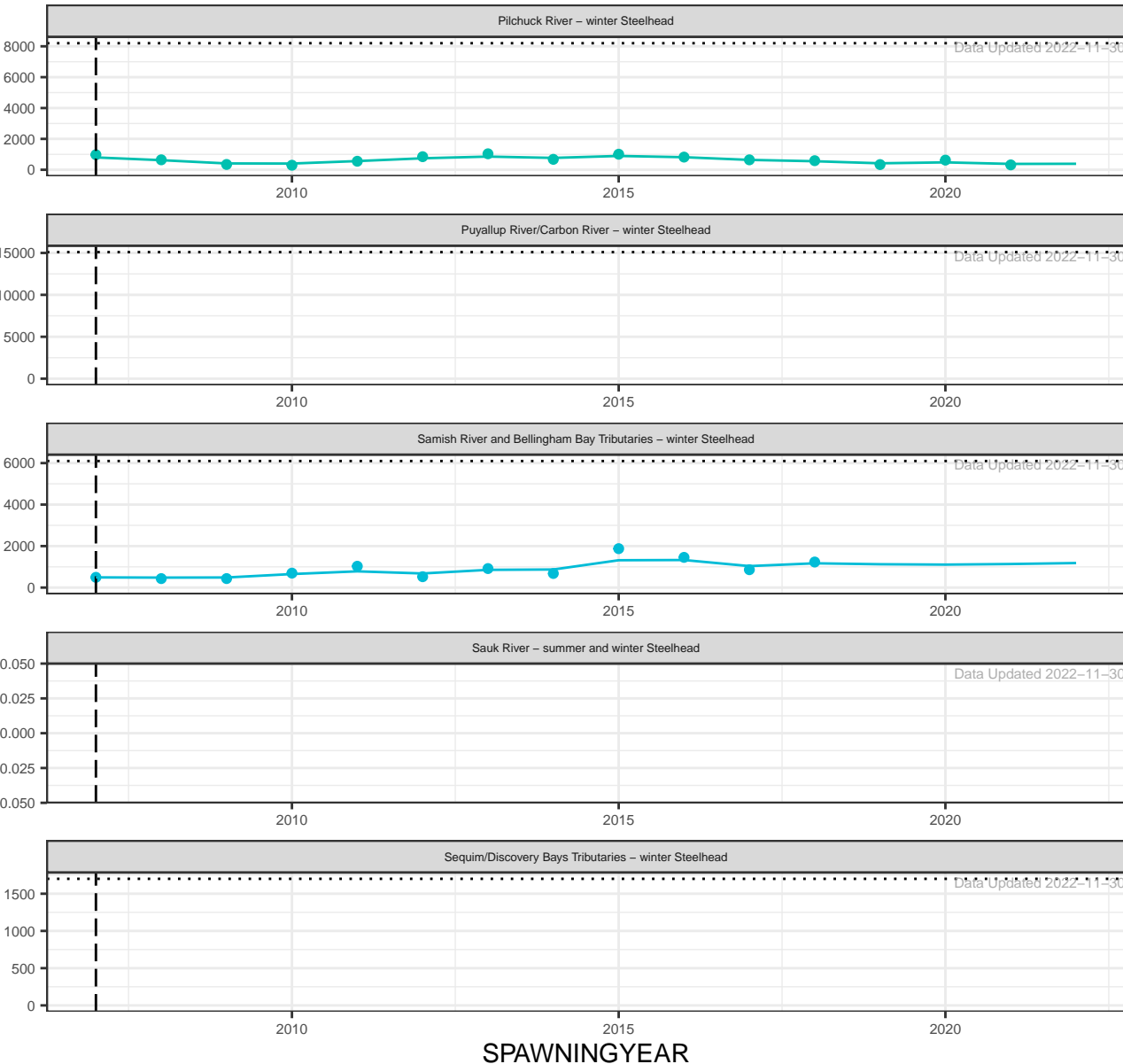
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Puget Sound Steelhead DPS

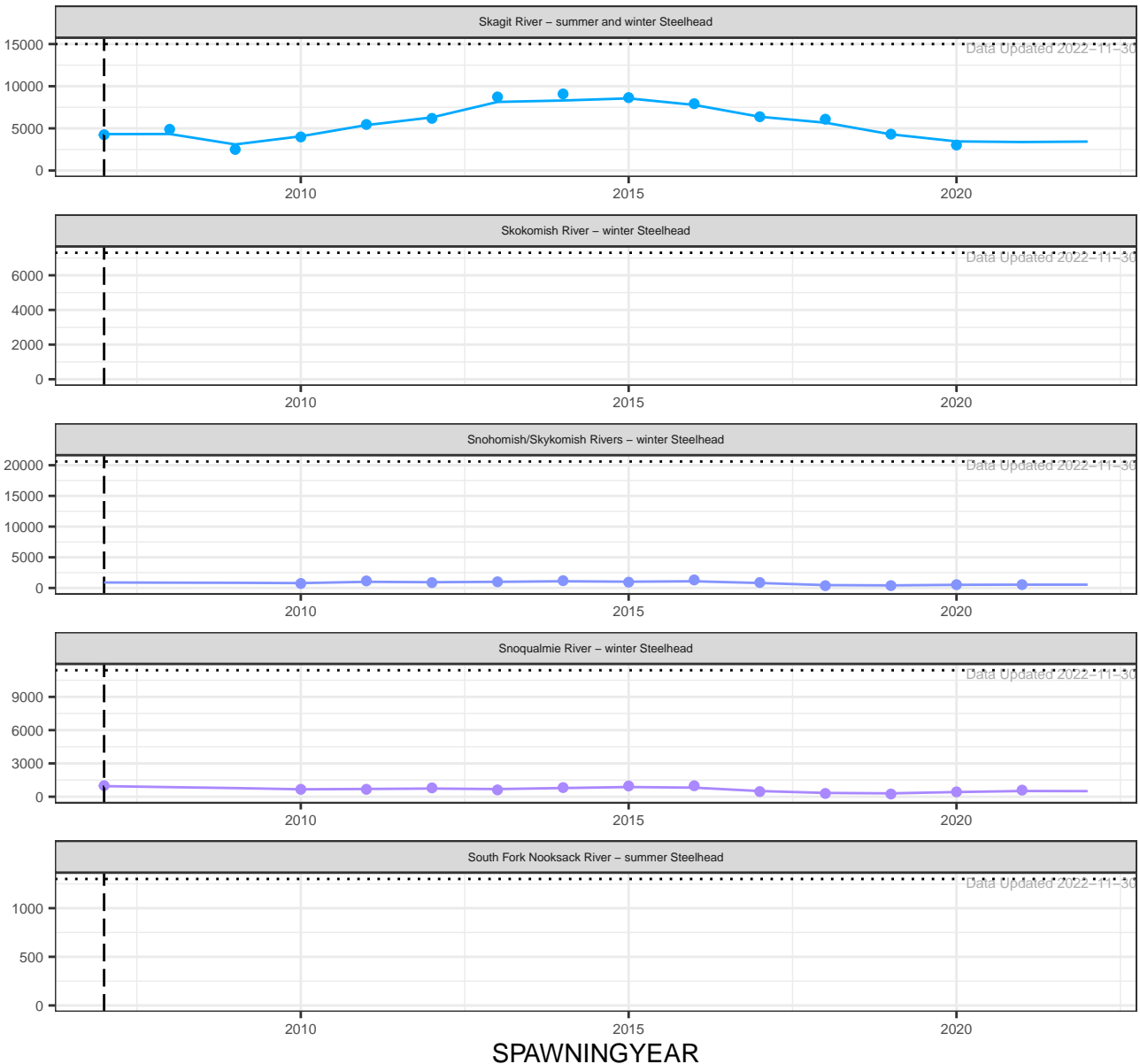
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Puget Sound Steelhead DPS

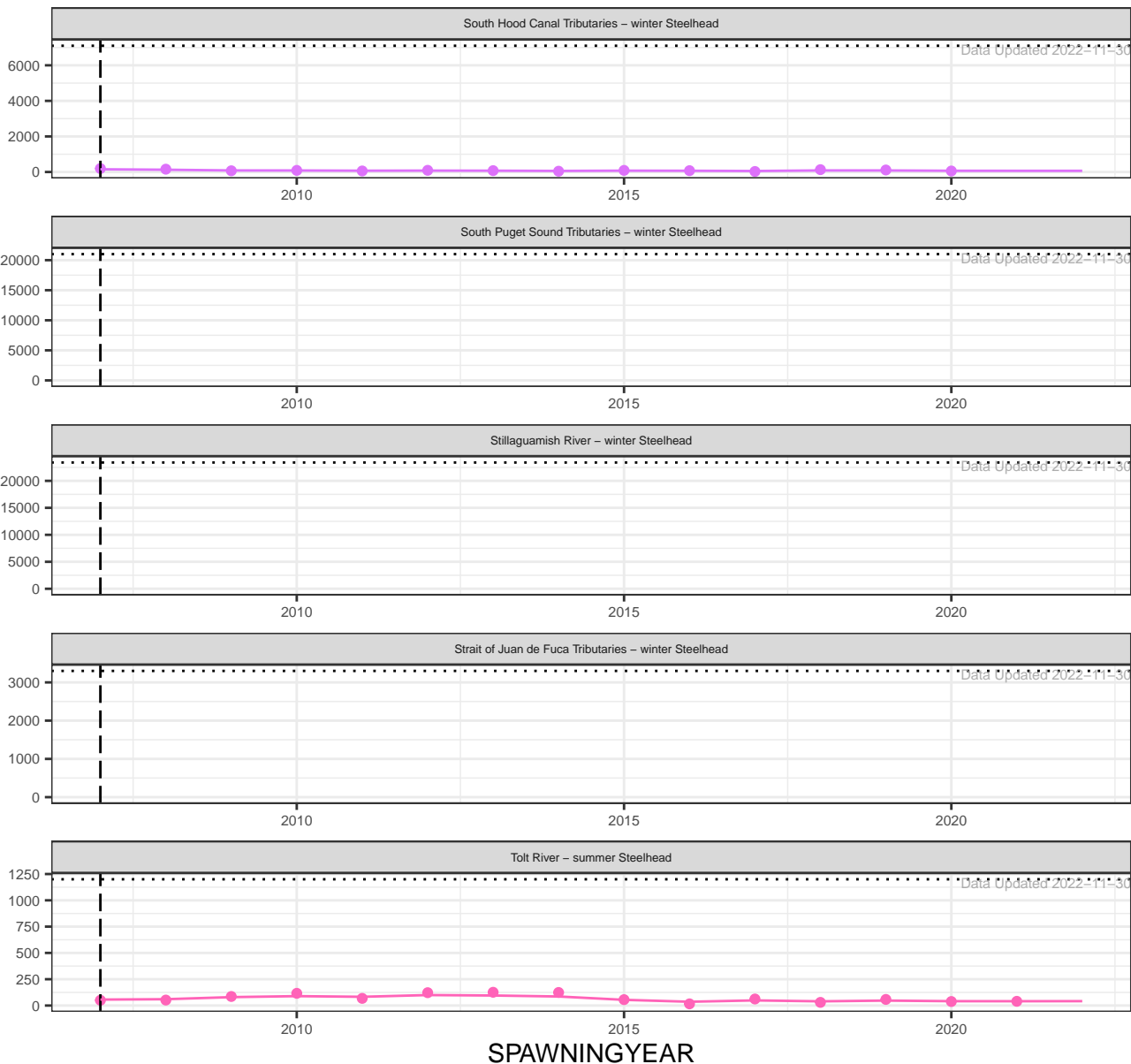
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Puget Sound Steelhead DPS

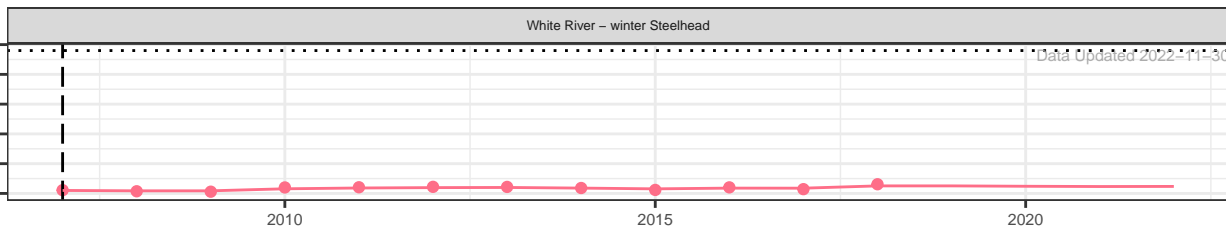
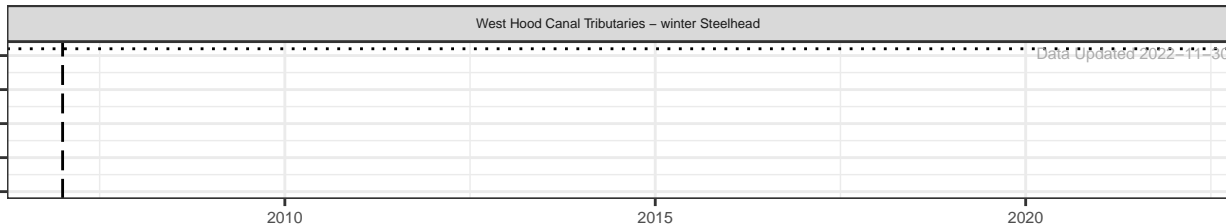
Natural Origin Spawner Abundance



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Puget Sound Steelhead DPS

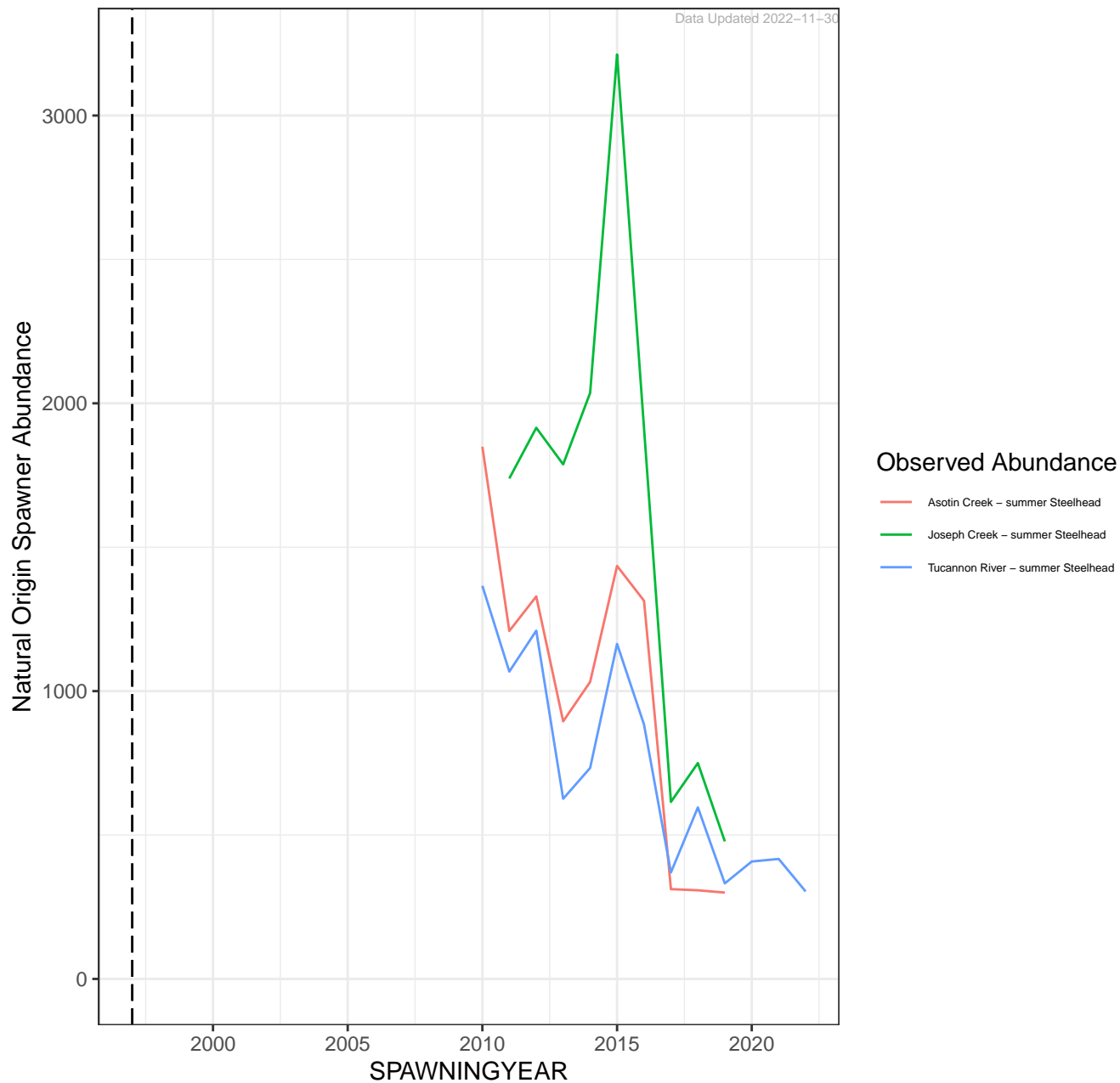
Natural Origin Spawner Abundance



SPAWNINGYEAR

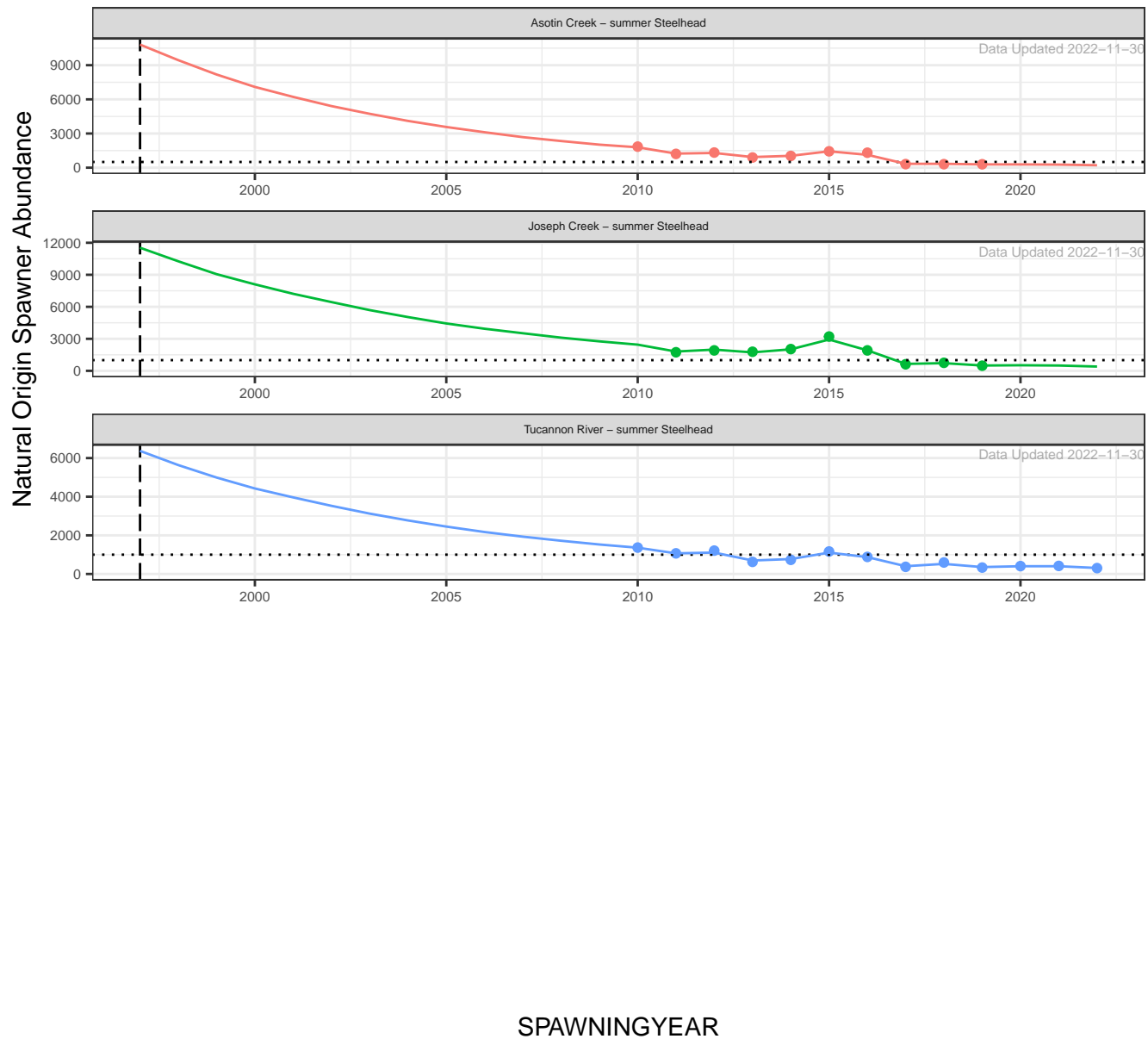
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

# Snake River Basin Steelhead DPS





# Snake River Basin Steelhead DPS



Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

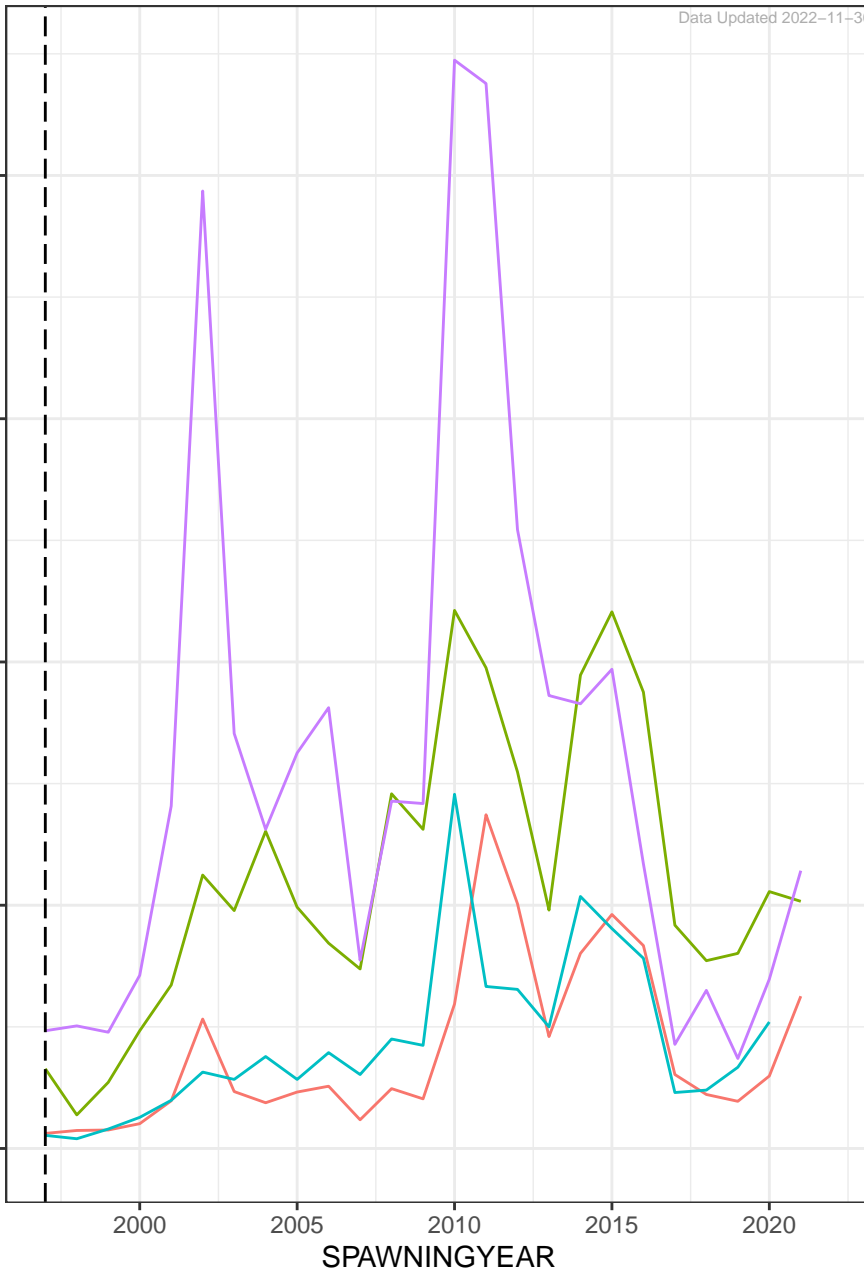
# Upper Columbia River Steelhead DPS

Data Updated 2022-11-30

Natural Origin Spawner Abundance

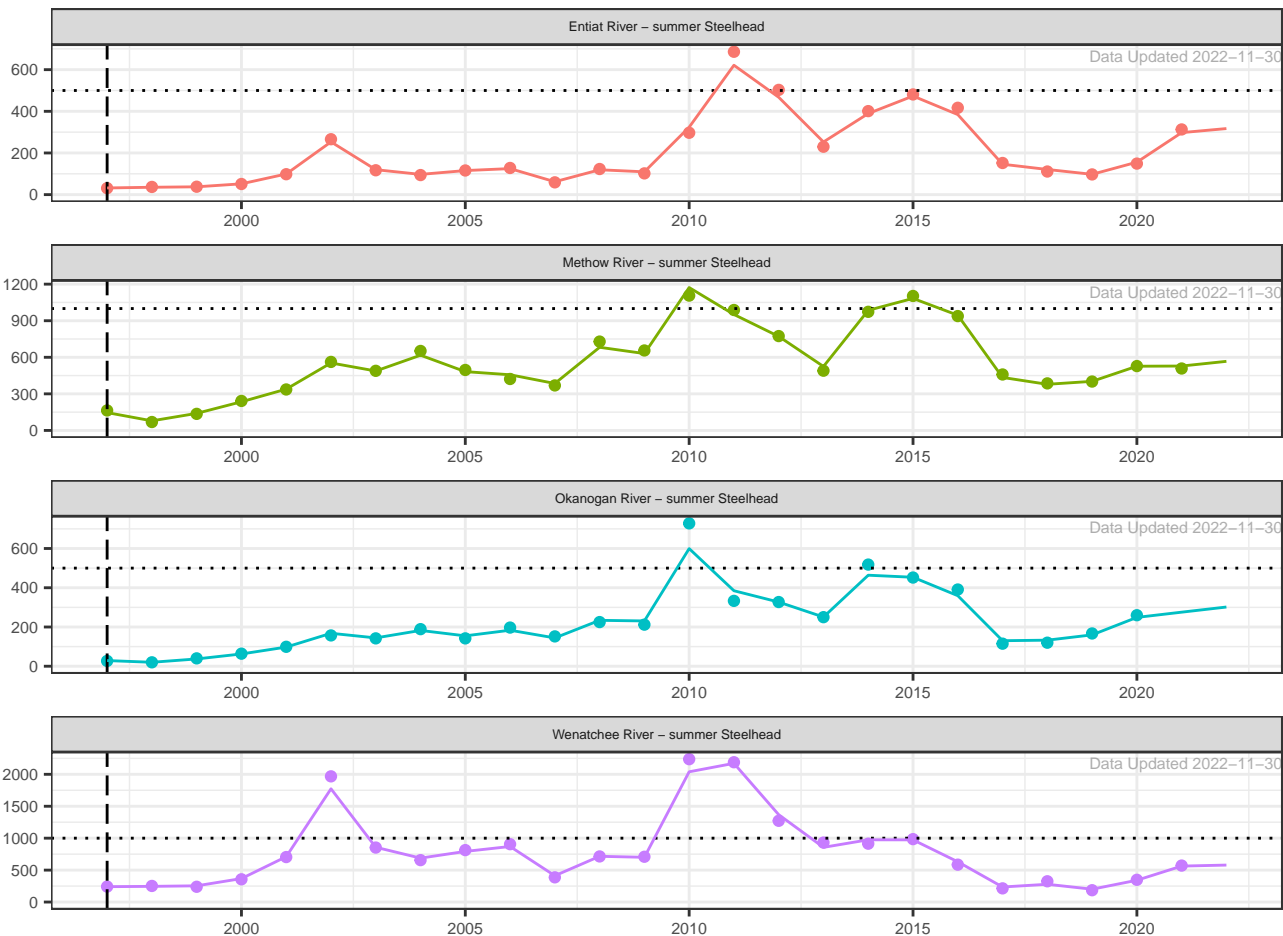
## Observed Abundance

- Entiat River – summer Steelhead
- Methow River – summer Steelhead
- Okanogan River – summer Steelhead
- Wenatchee River – summer Steelhead



# Upper Columbia River Steelhead DPS

Natural Origin Spawner Abundance



SPAWNINGYEAR

Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.