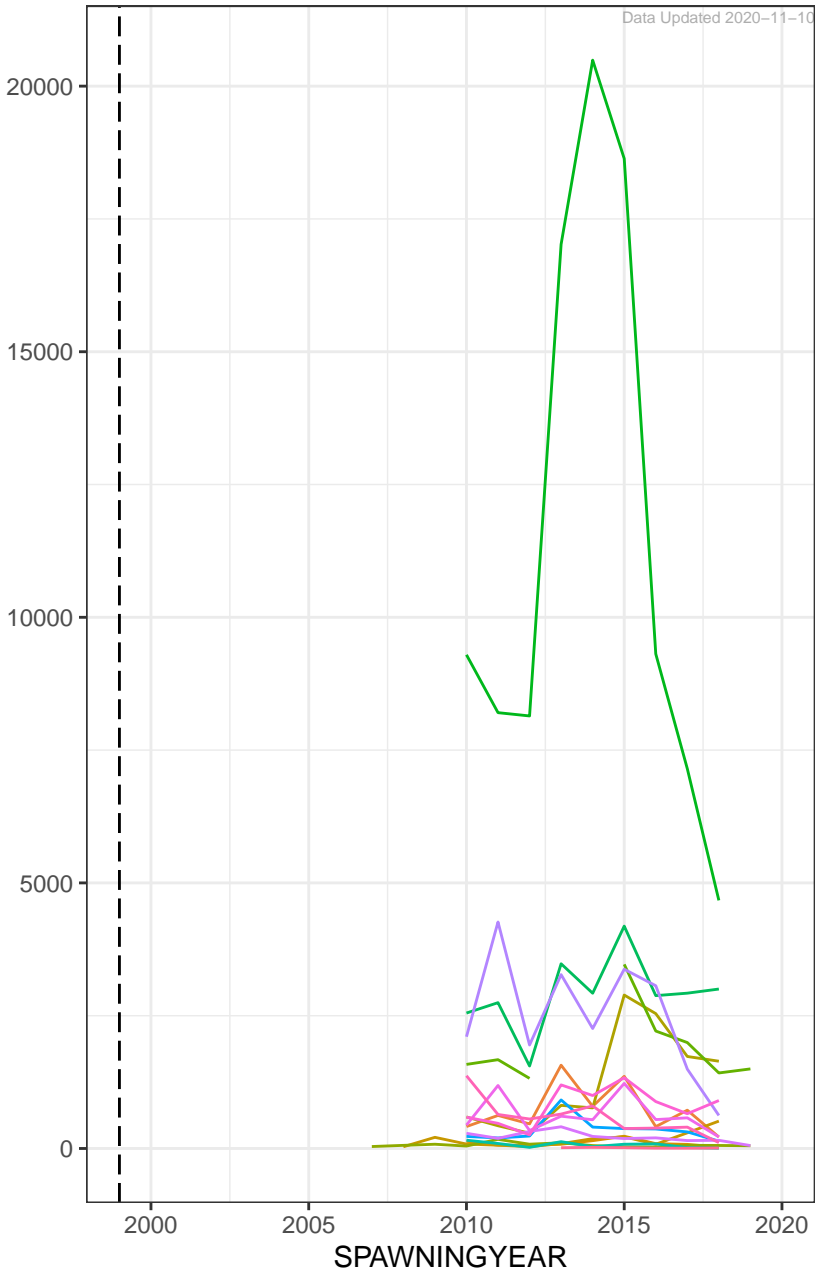


Lower Columbia River Chinook ESU

Natural Origin Spawner Abundance

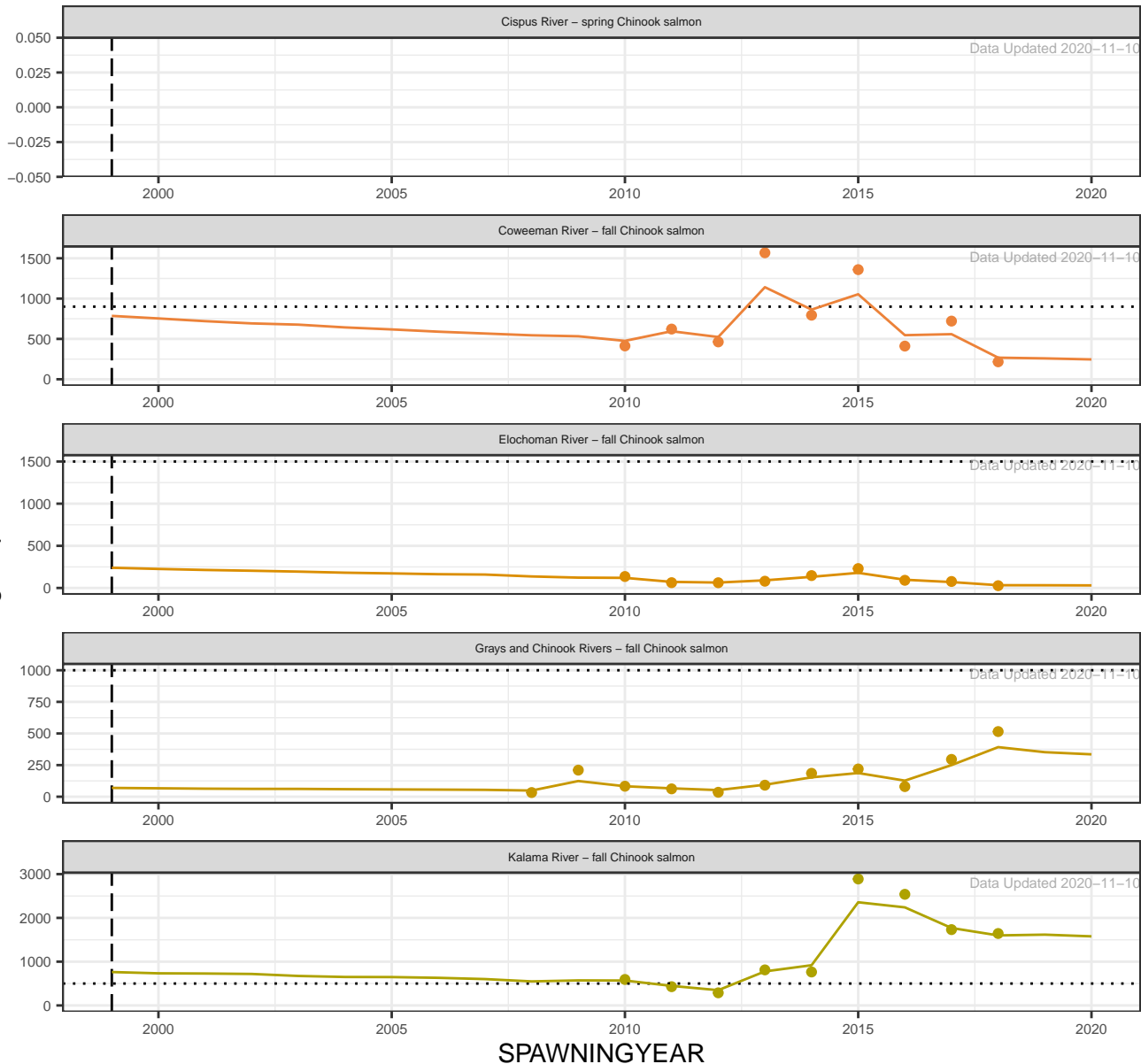


Observed Abundance

- 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

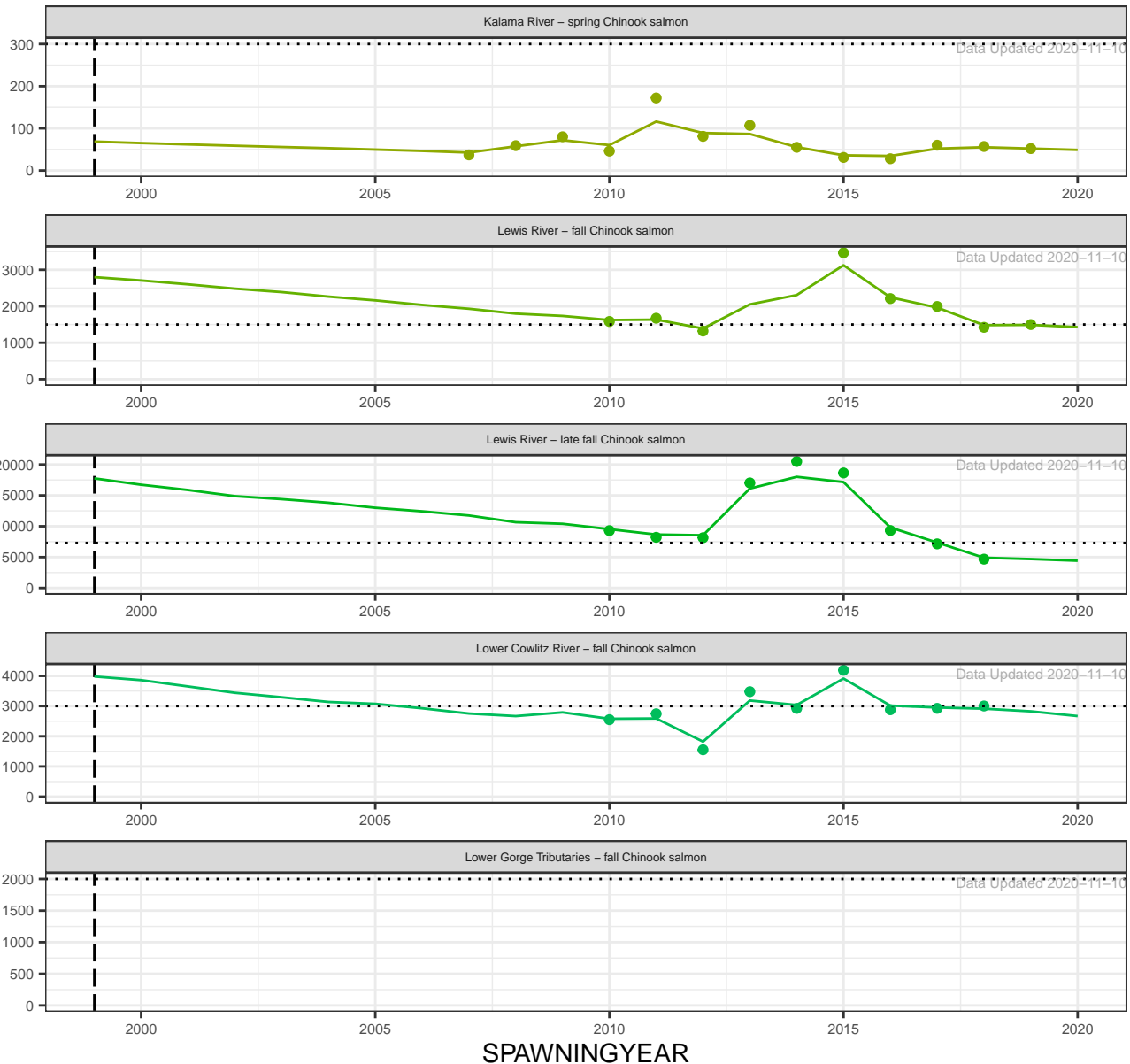
Natural Origin Spawner Abundance



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

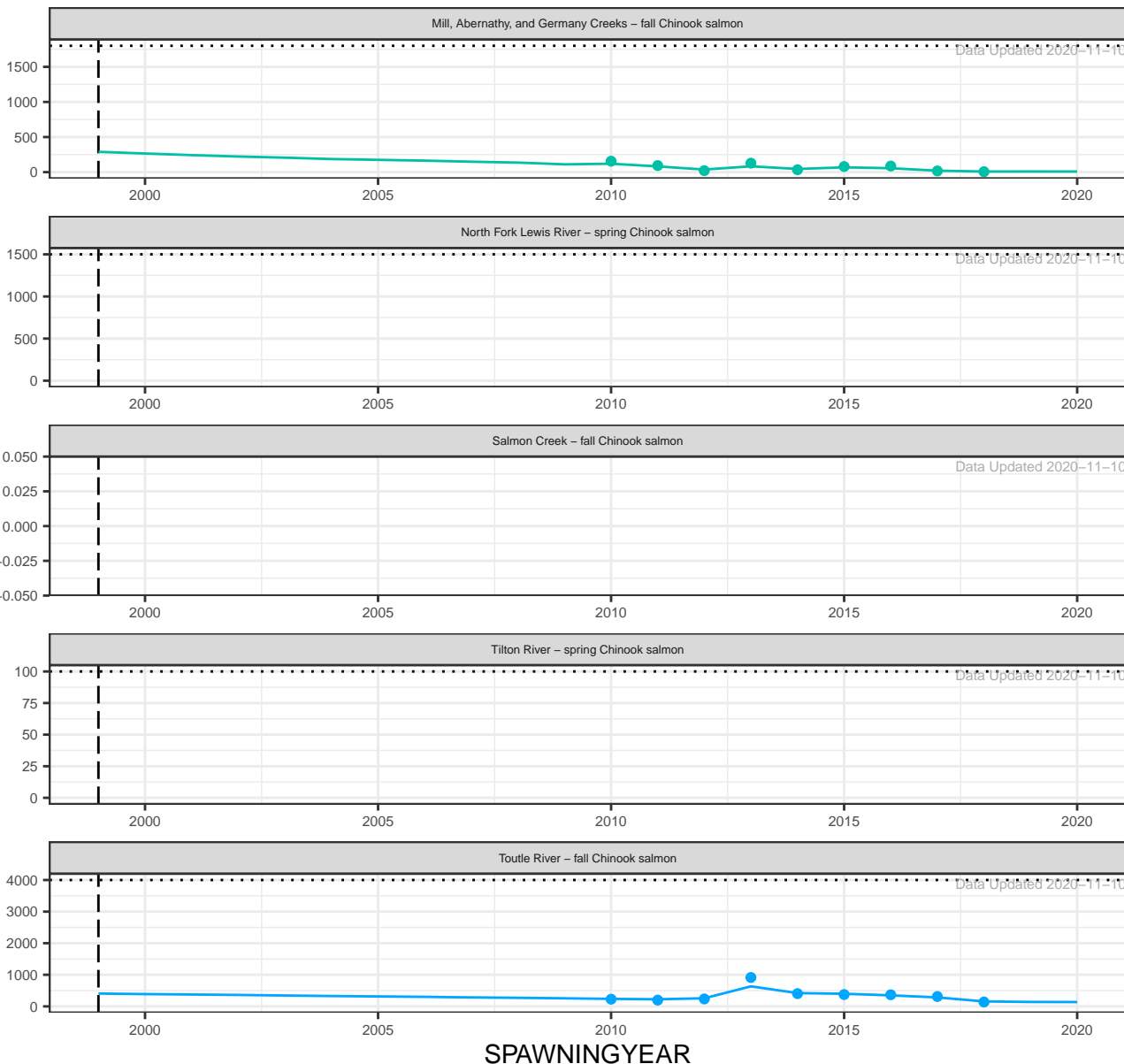
Natural Origin Spawner Abundance



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

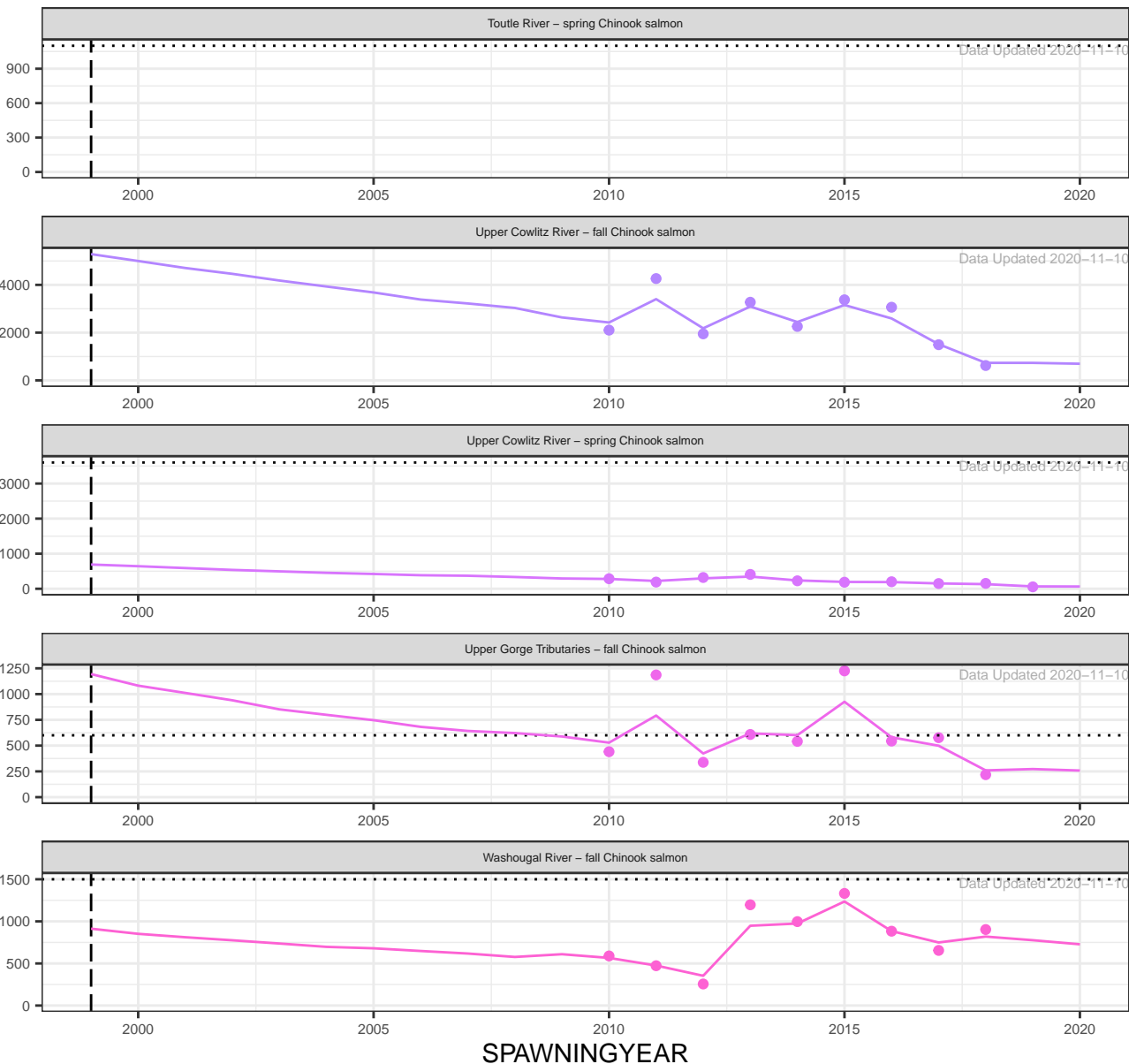
Natural Origin Spawner Abundance



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

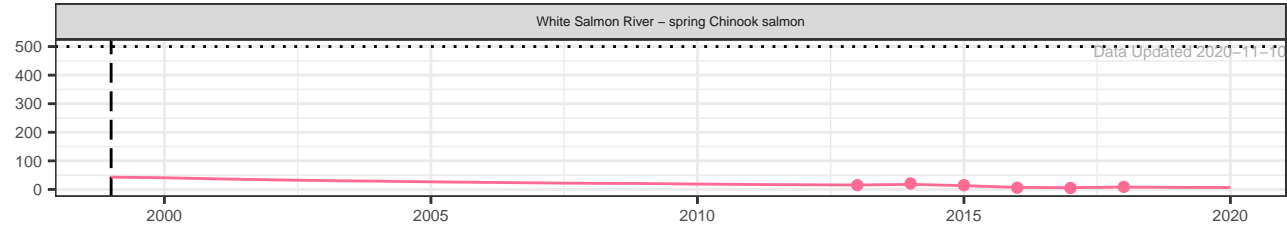
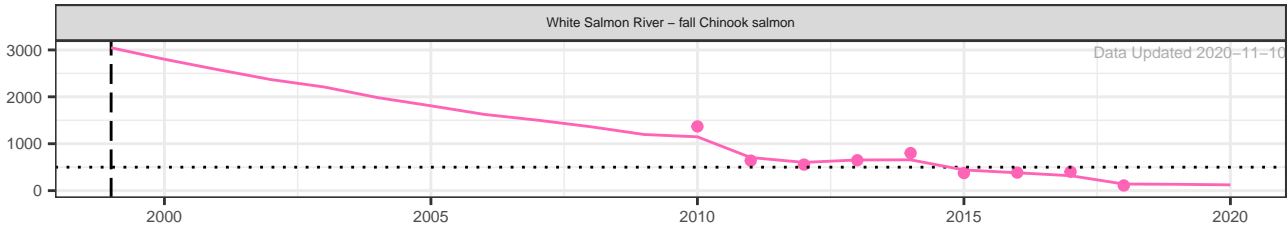
Natural Origin Spawner Abundance



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

Natural Origin Spawner Abundance



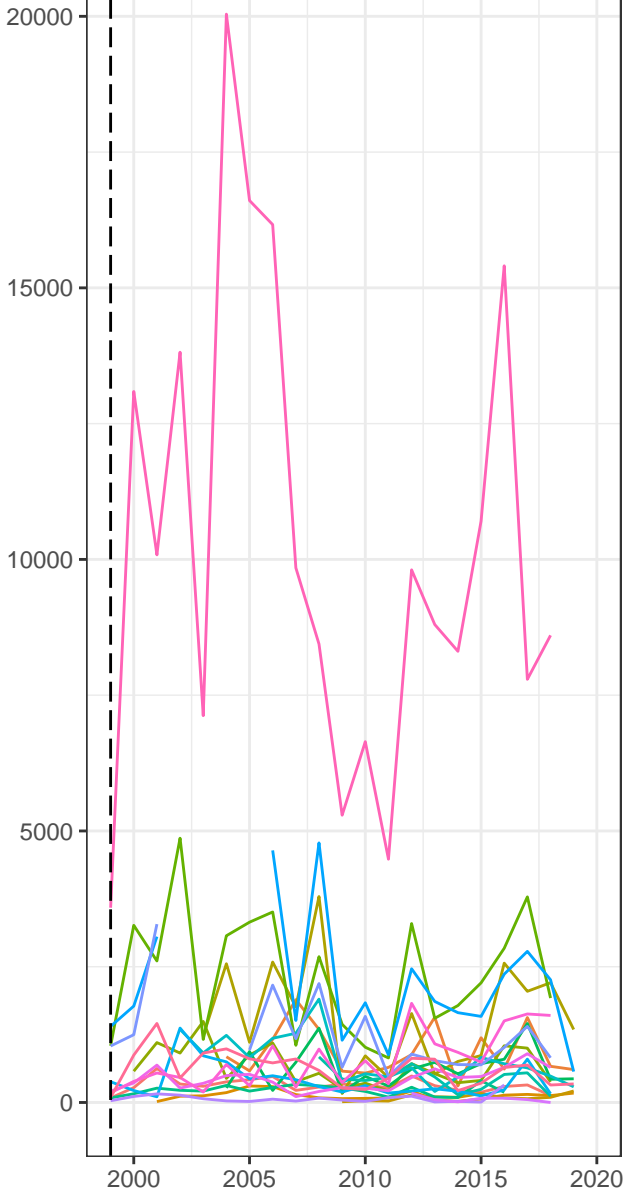
SPAWNINGYEAR

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

Puget Sound Chinook ESU

Natural Origin Spawner Abundance

Data Updated 2020-11-10

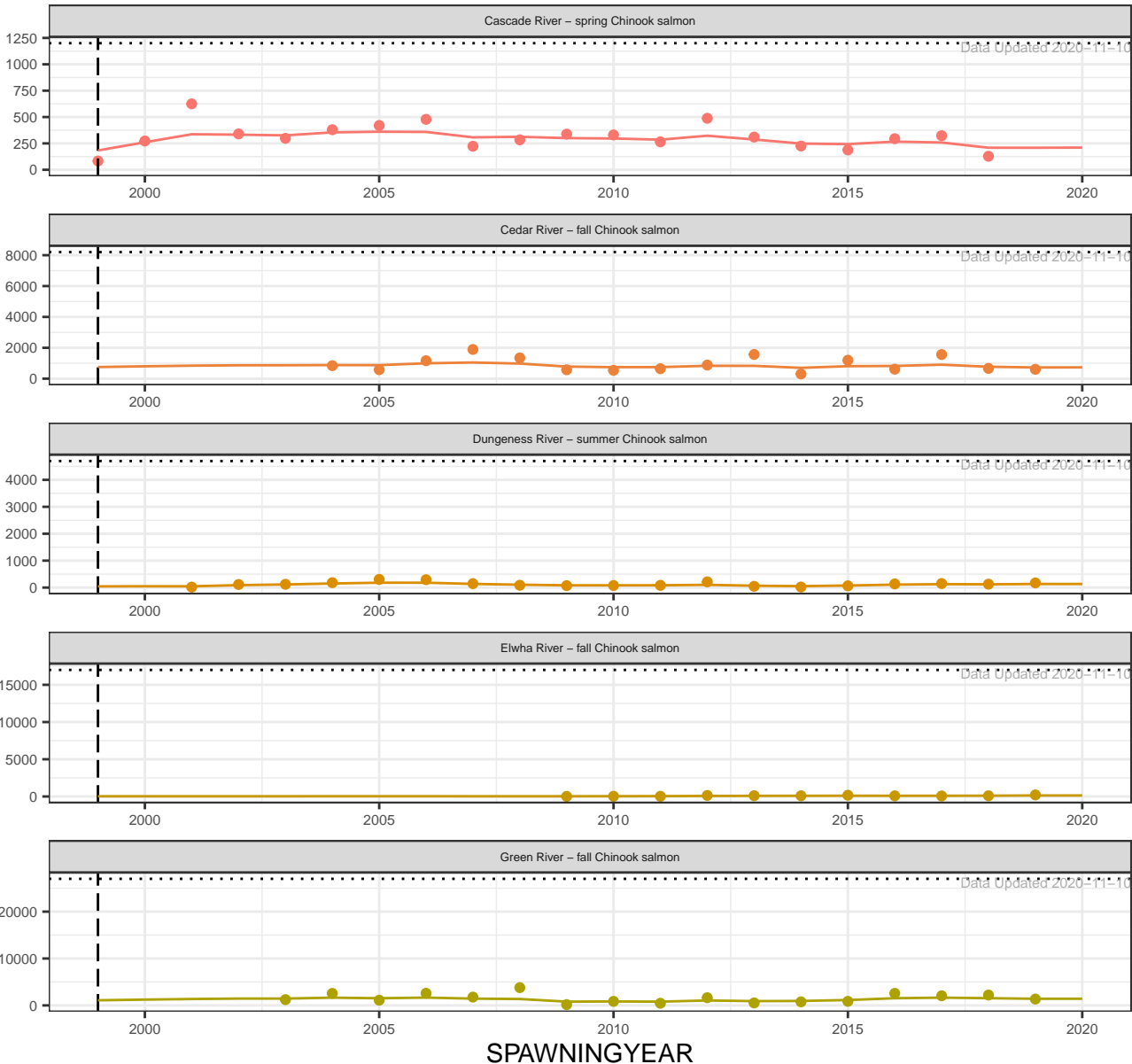


Observed Abundance

- 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

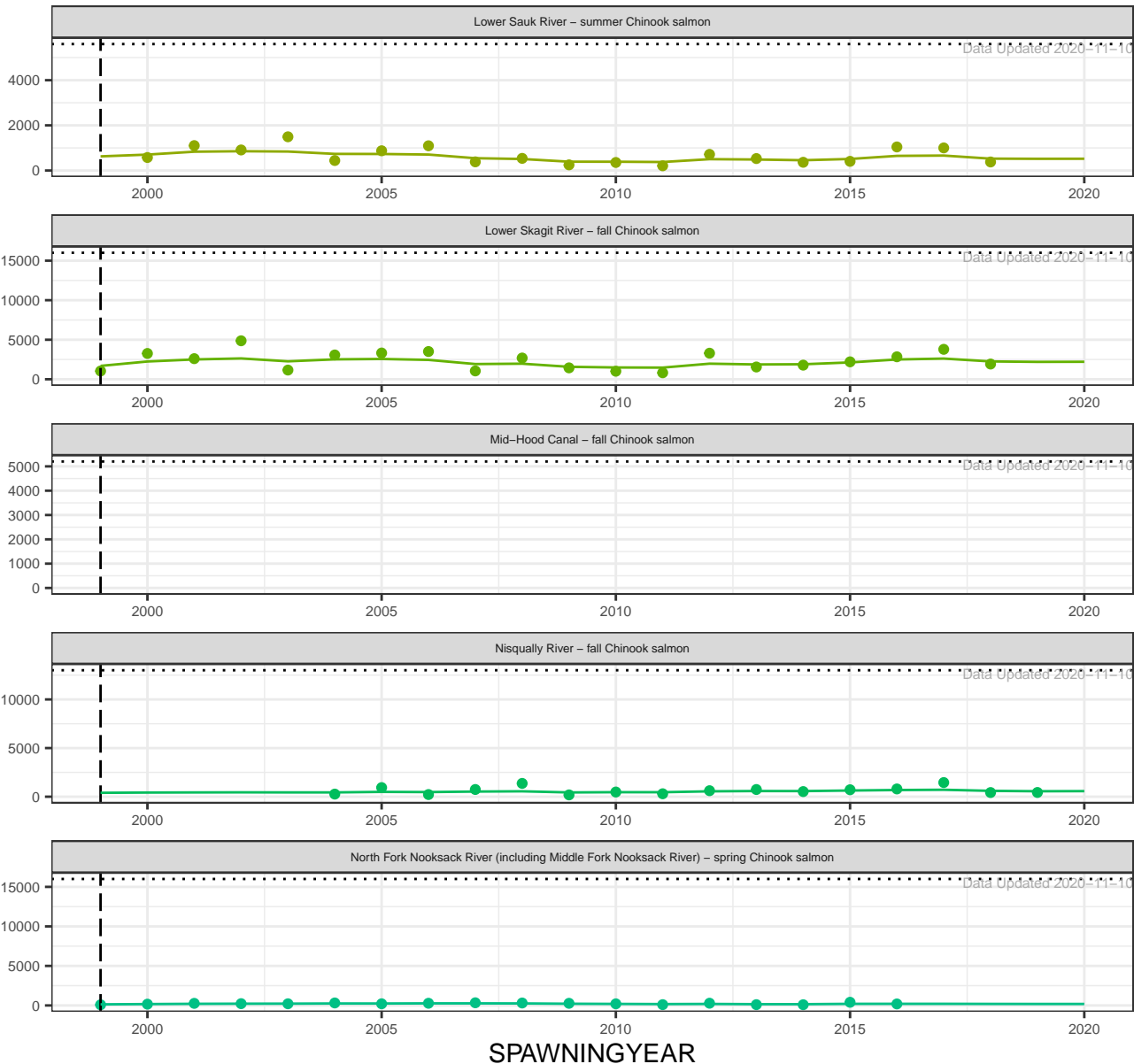
Natural Origin Spawner Abundance



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

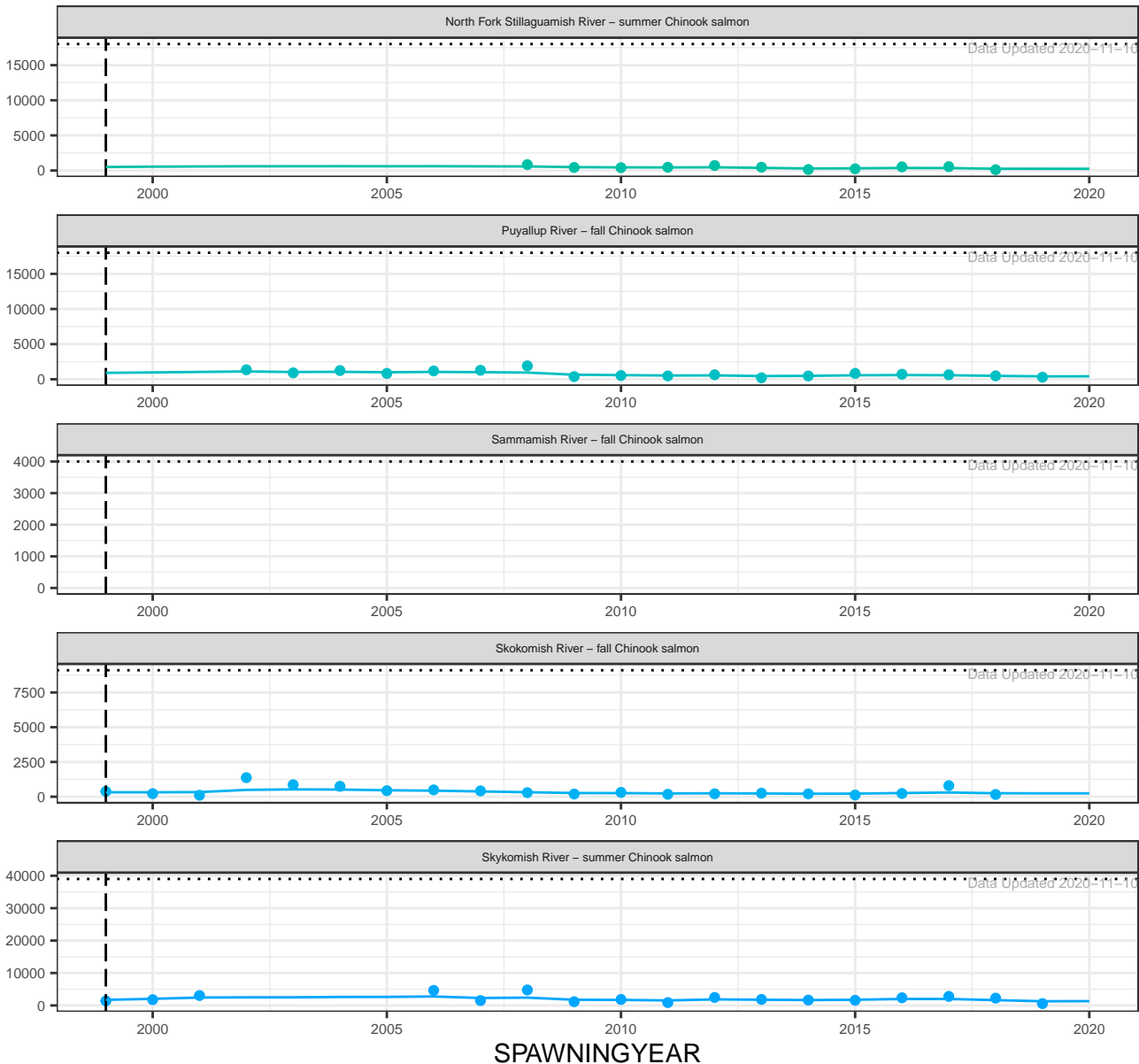
Natural Origin Spawner Abundance



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

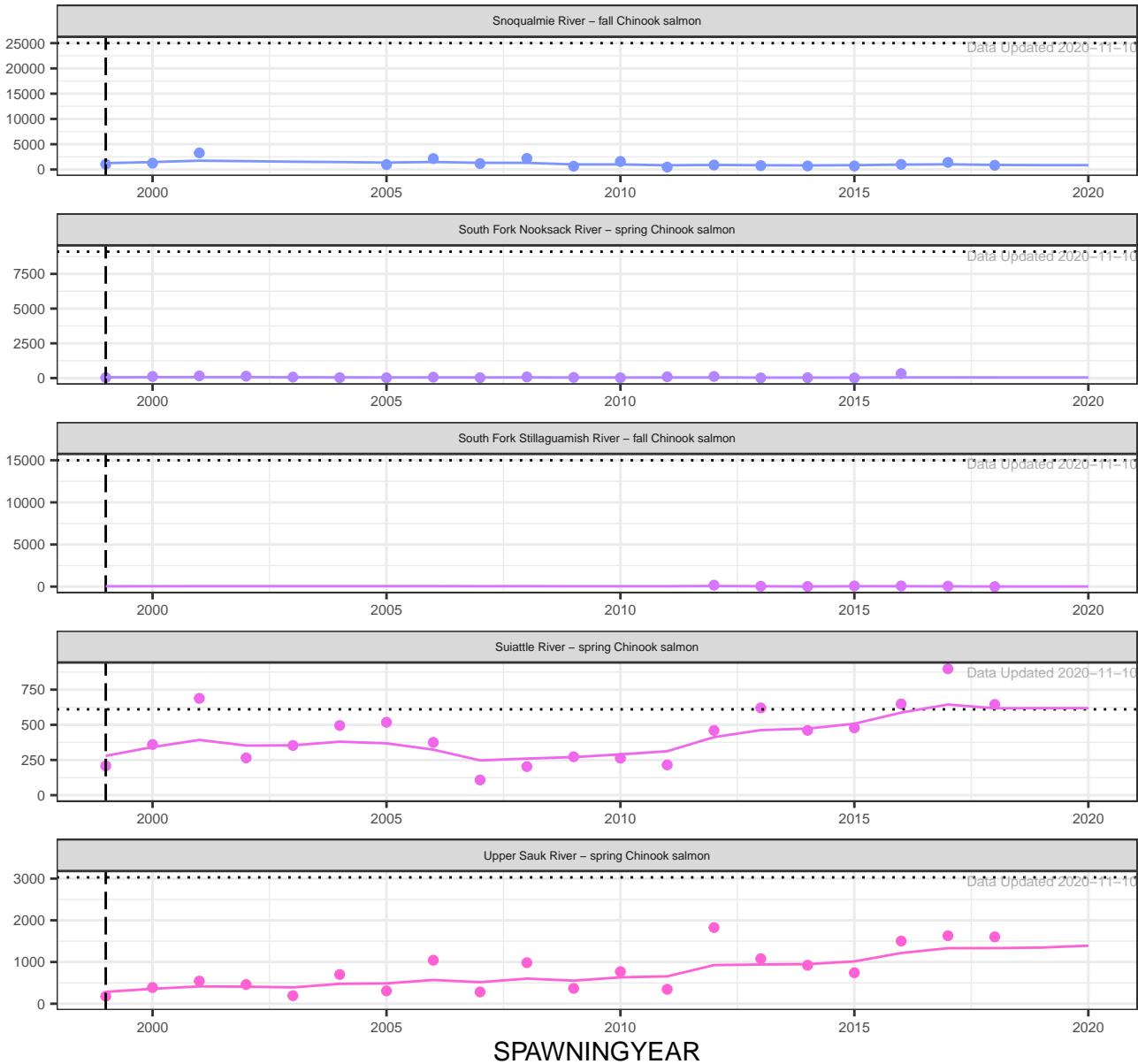
Natural Origin Spawner Abundance



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

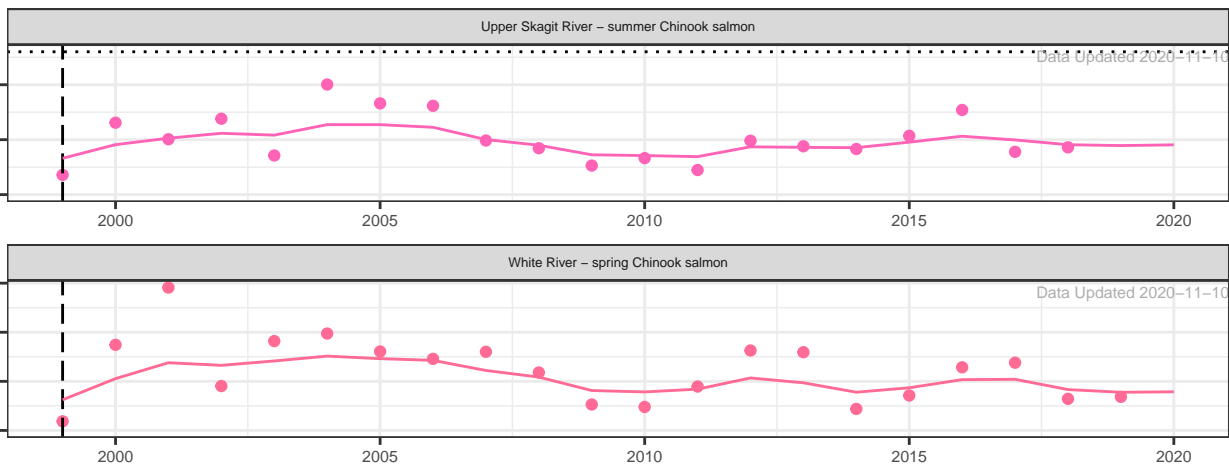
Natural Origin Spawner Abundance



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

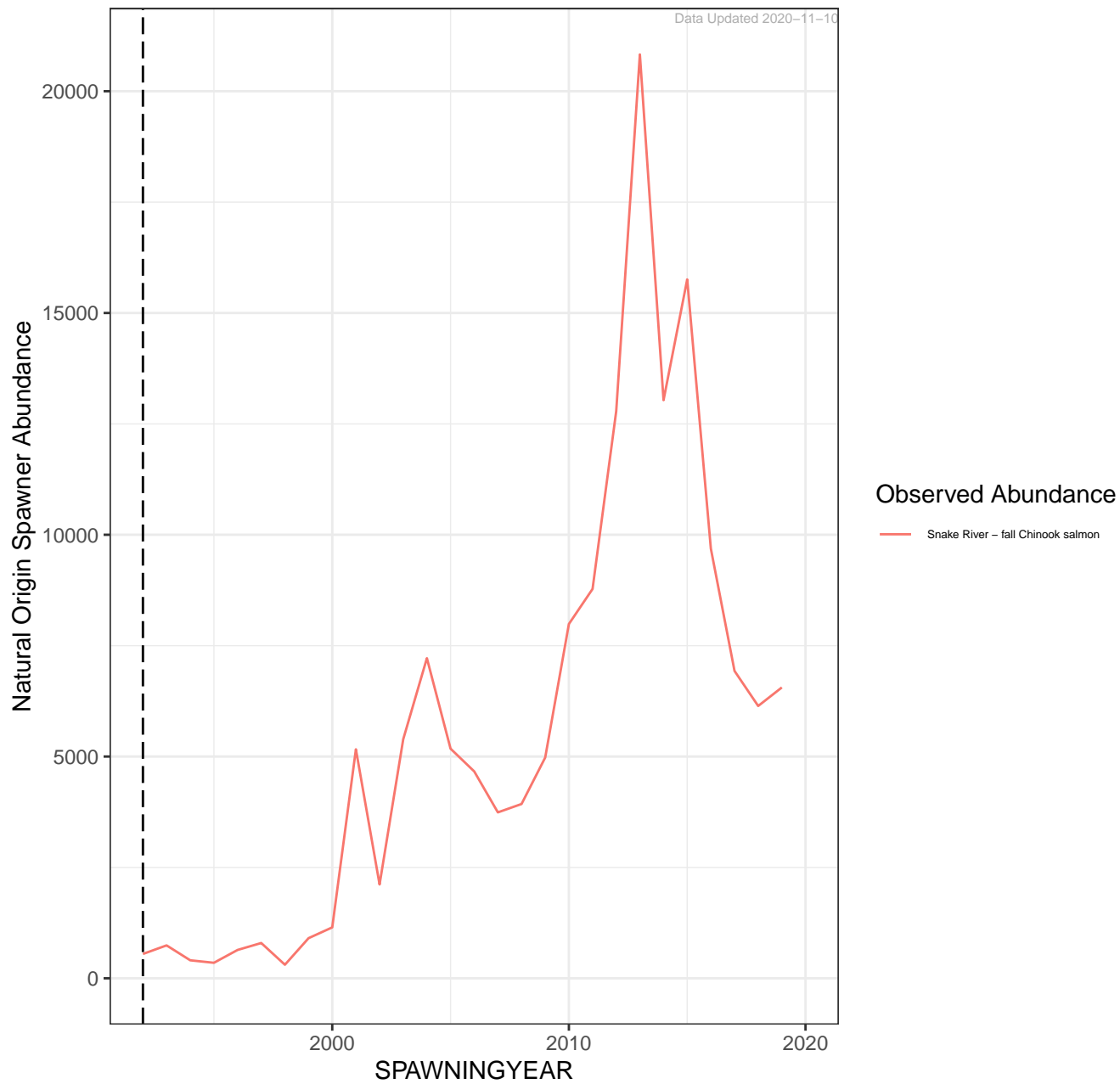
Natural Origin Spawner Abundance



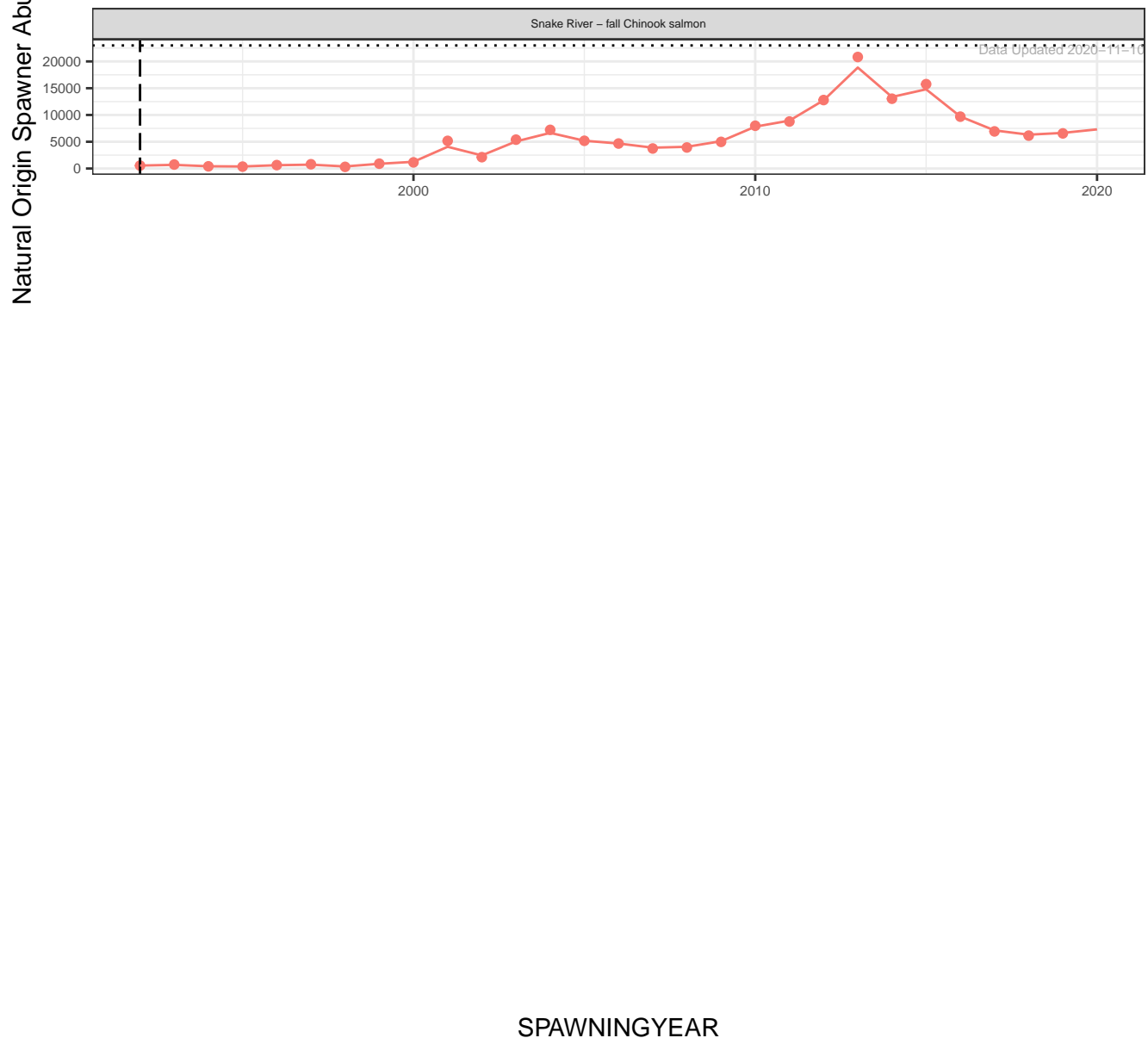
SPAWNINGYEAR

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

Data Updated 2020-11-10

Natural Origin Spawner Abundance

Observed Abundance

Tucannon River – spring Chinook salmon

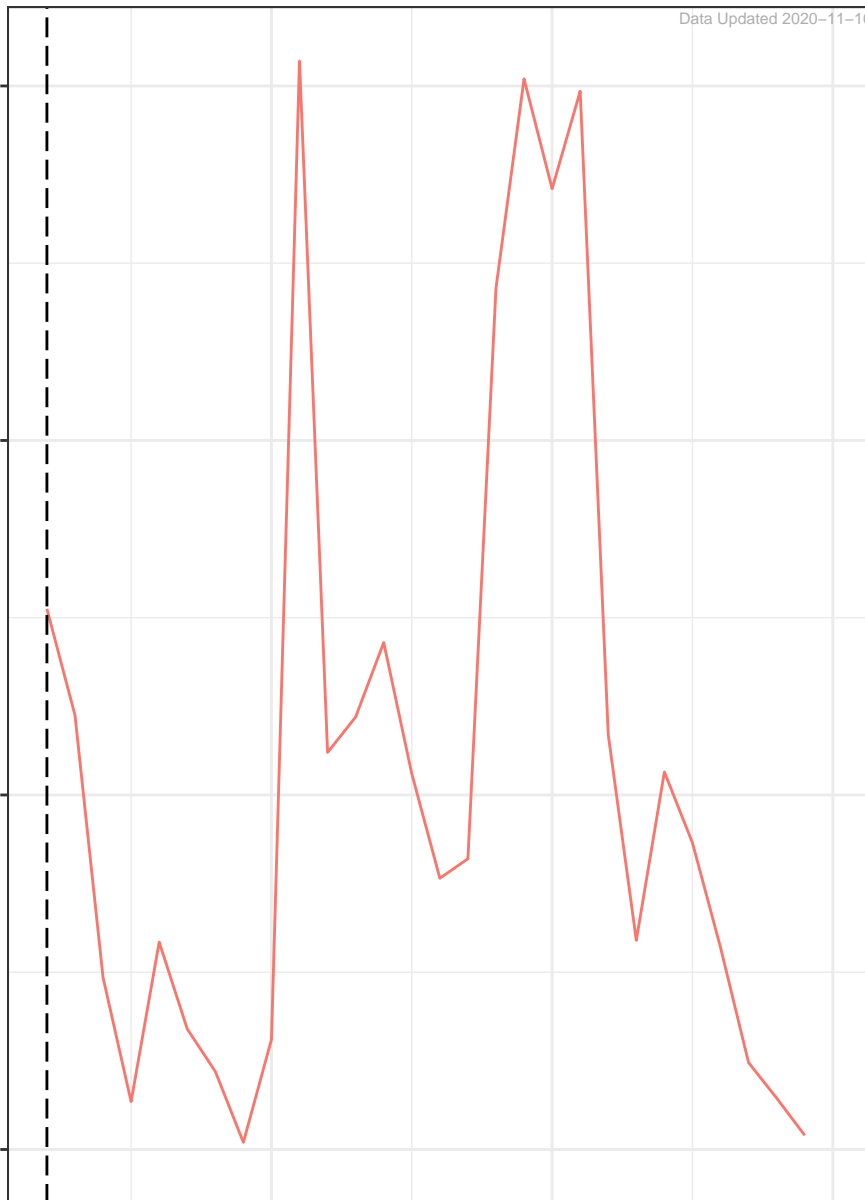
SPAWNINGYEAR

600
400
200
0

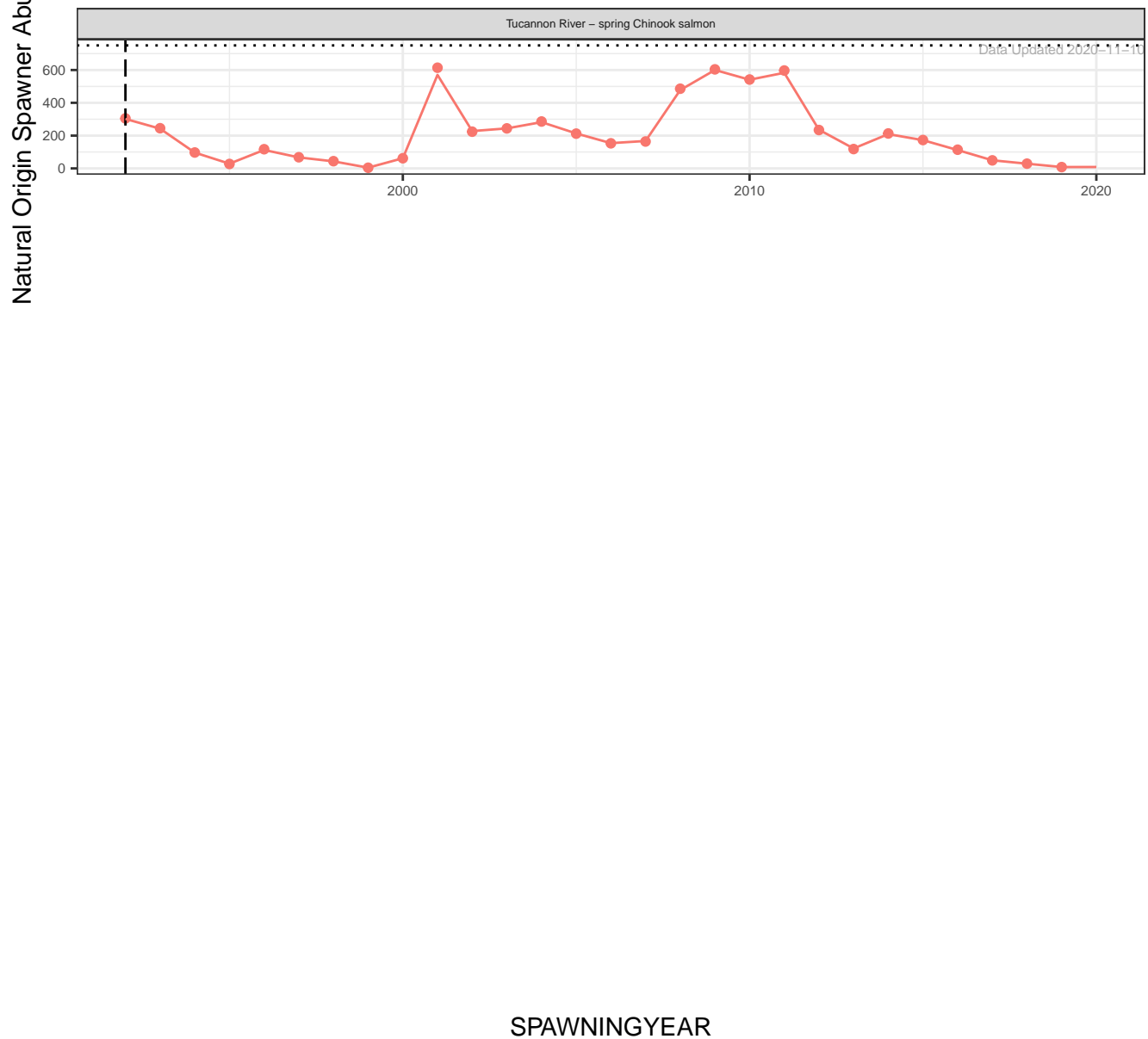
2000

2010

2020

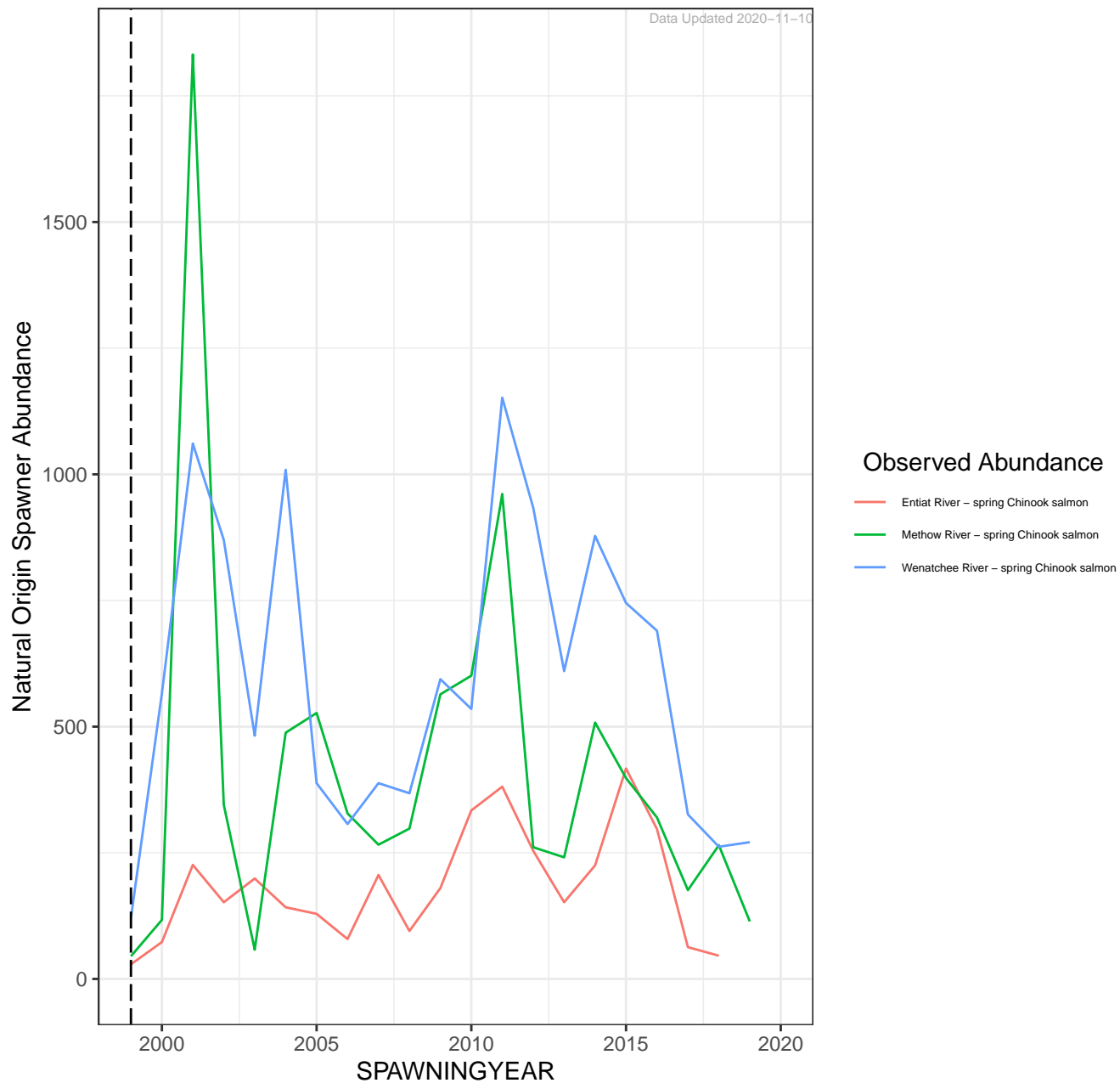


Snake River Spring/Summer Chinook ESU

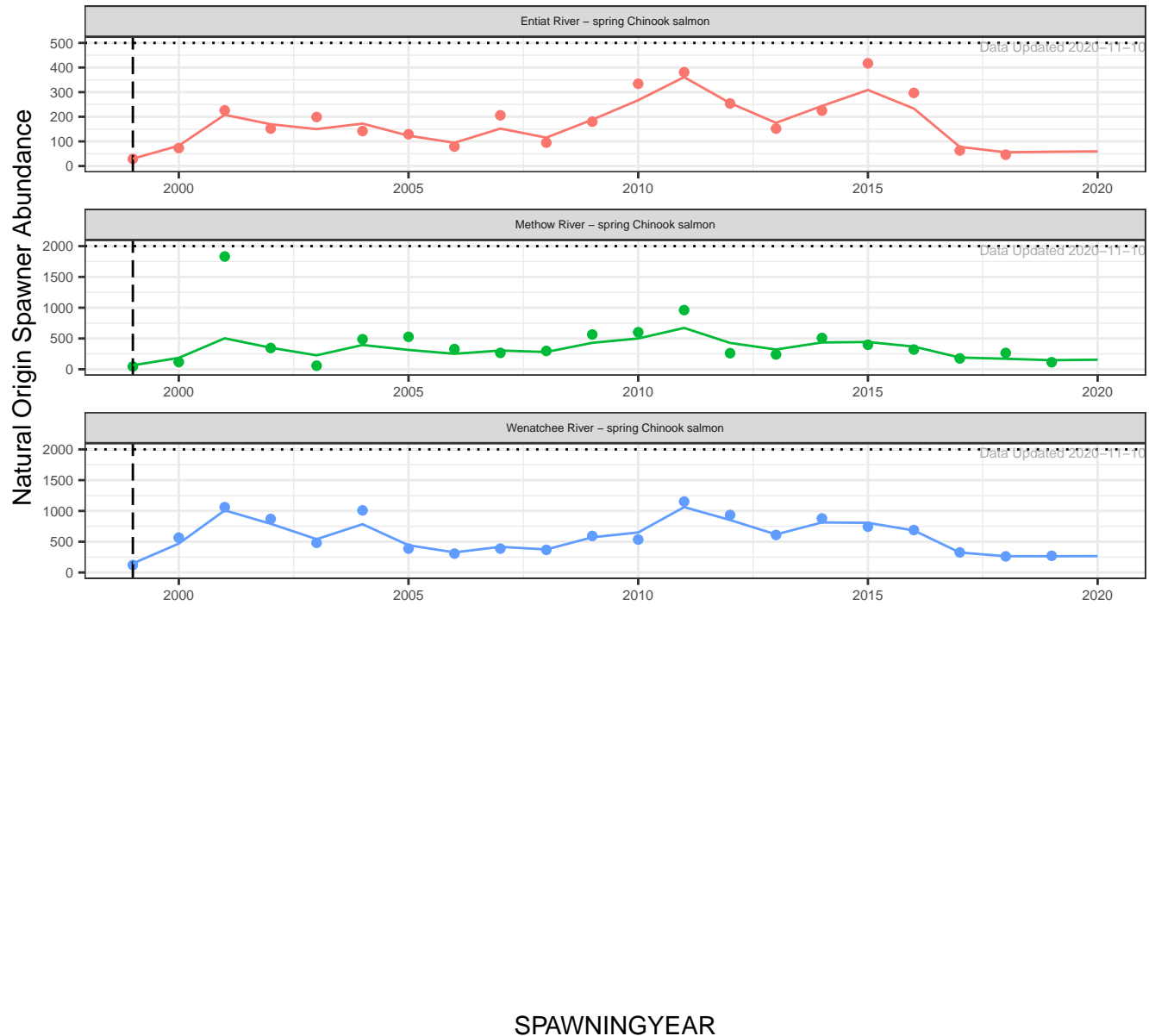


Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Upper Columbia River Spring Chinook ESU



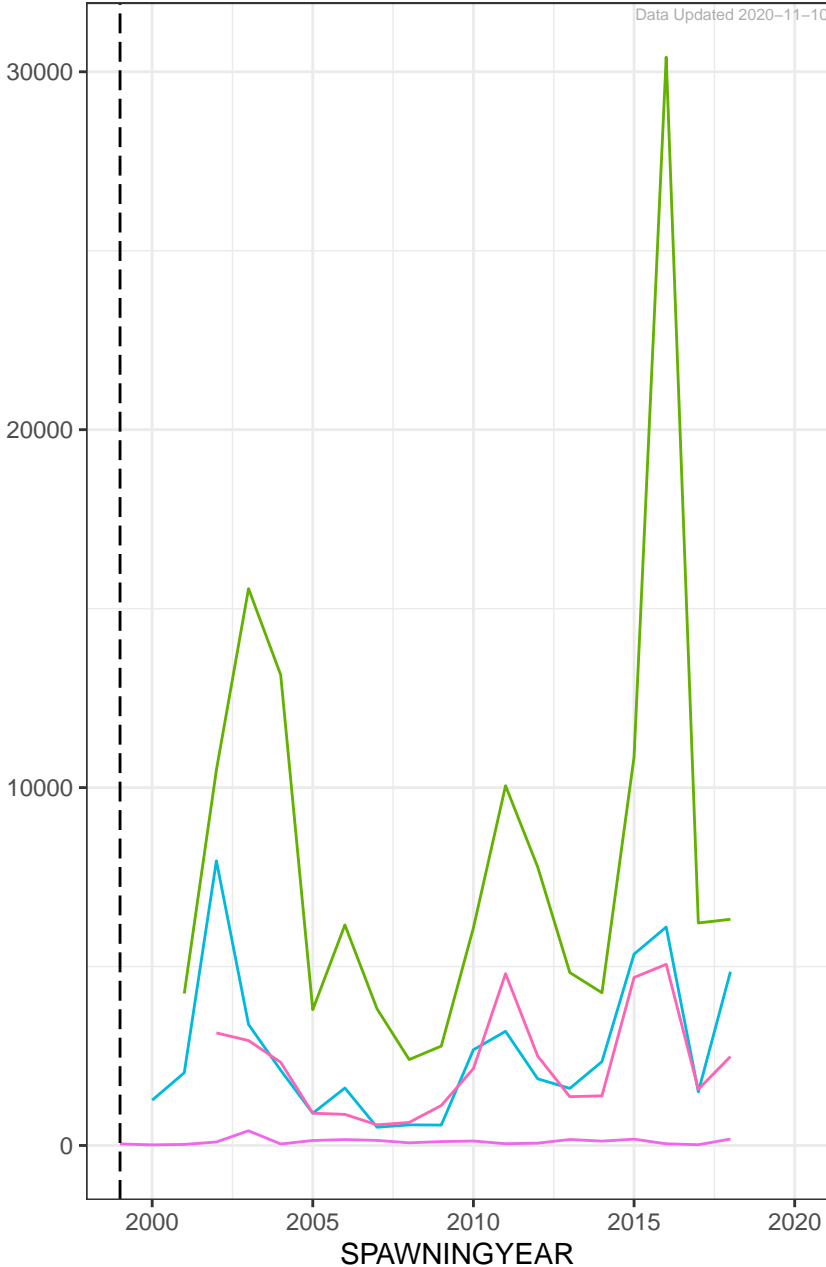
Upper Columbia River Spring Chinook ESU



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

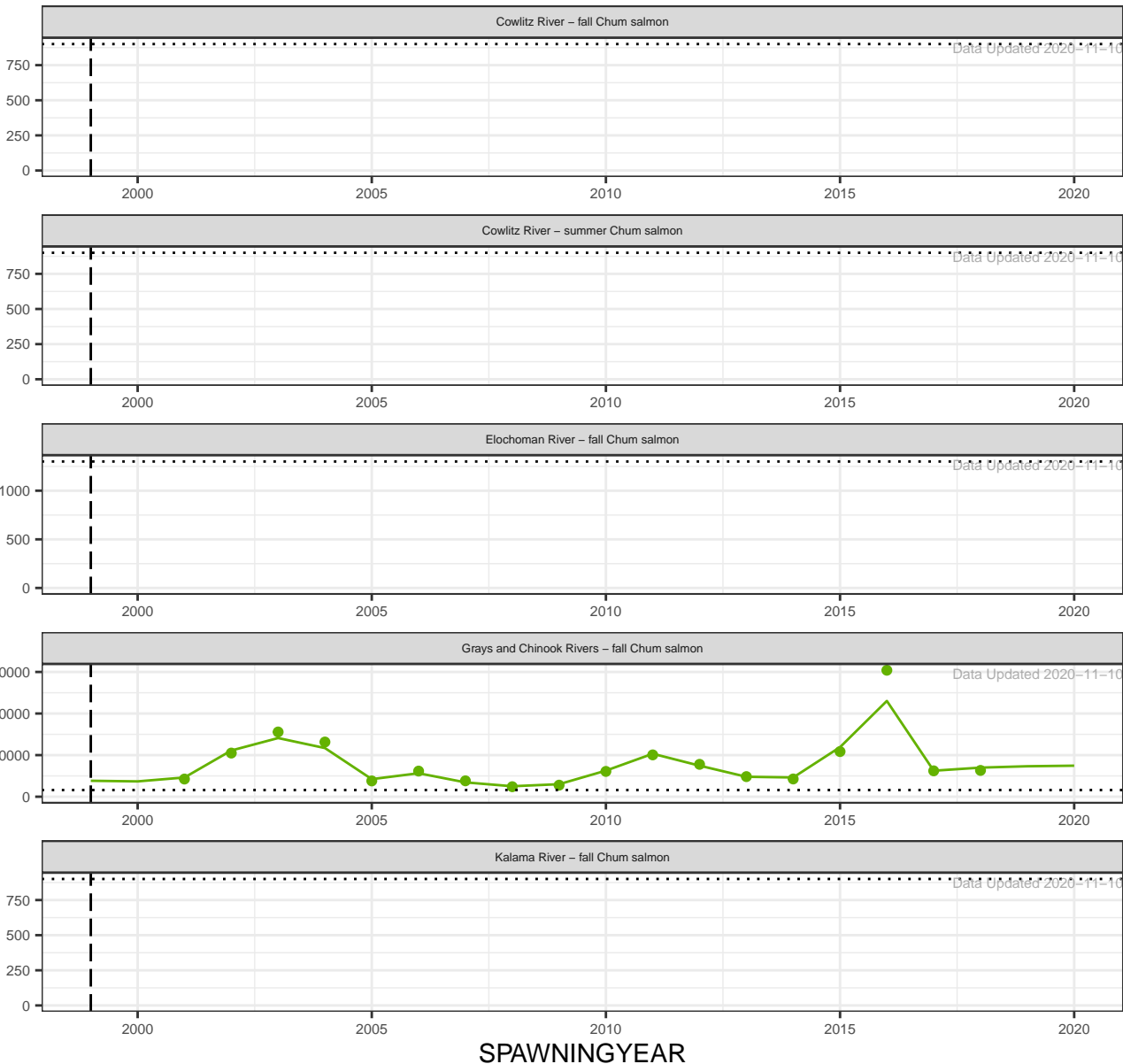
Natural Origin Spawner Abundance



Observed Abundance

- Cowlitz River – fall Chum salmon
- Cowlitz River – summer Chum salmon
- Elochoman River – fall Chum salmon
- Grays and Chinook Rivers – fall Chum salmon
- Kalama River – fall Chum salmon
- Lewis River – fall Chum salmon
- Lower Gorge Tributaries – fall Chum salmon
- Mill, Abernathy, and Germany Creeks – fall Chum salmon
- Salmon Creek – fall Chum salmon
- Upper Gorge Tributaries – fall Chum salmon
- Washougal River – fall Chum salmon

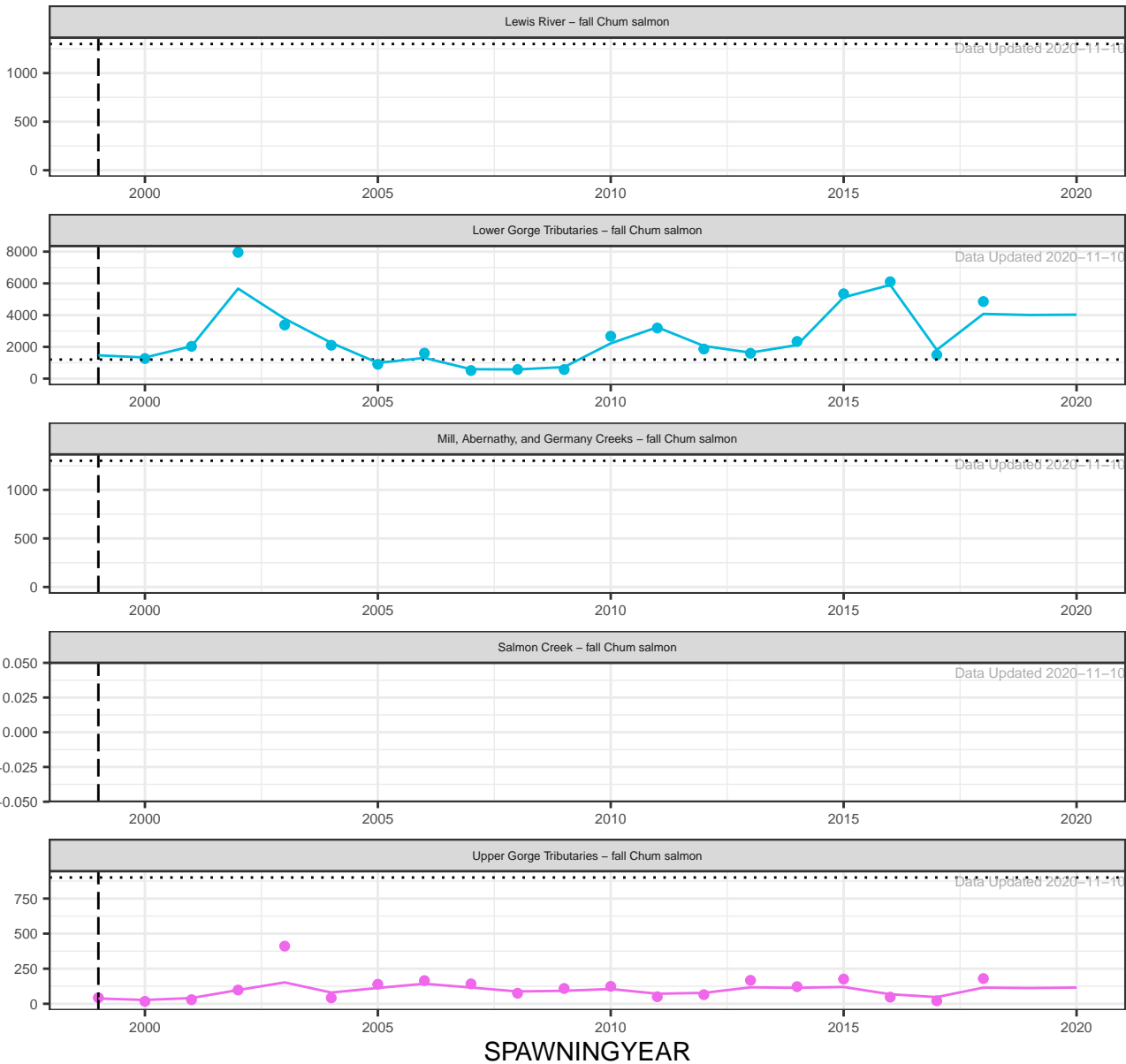
Columbia River Chum ESU



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

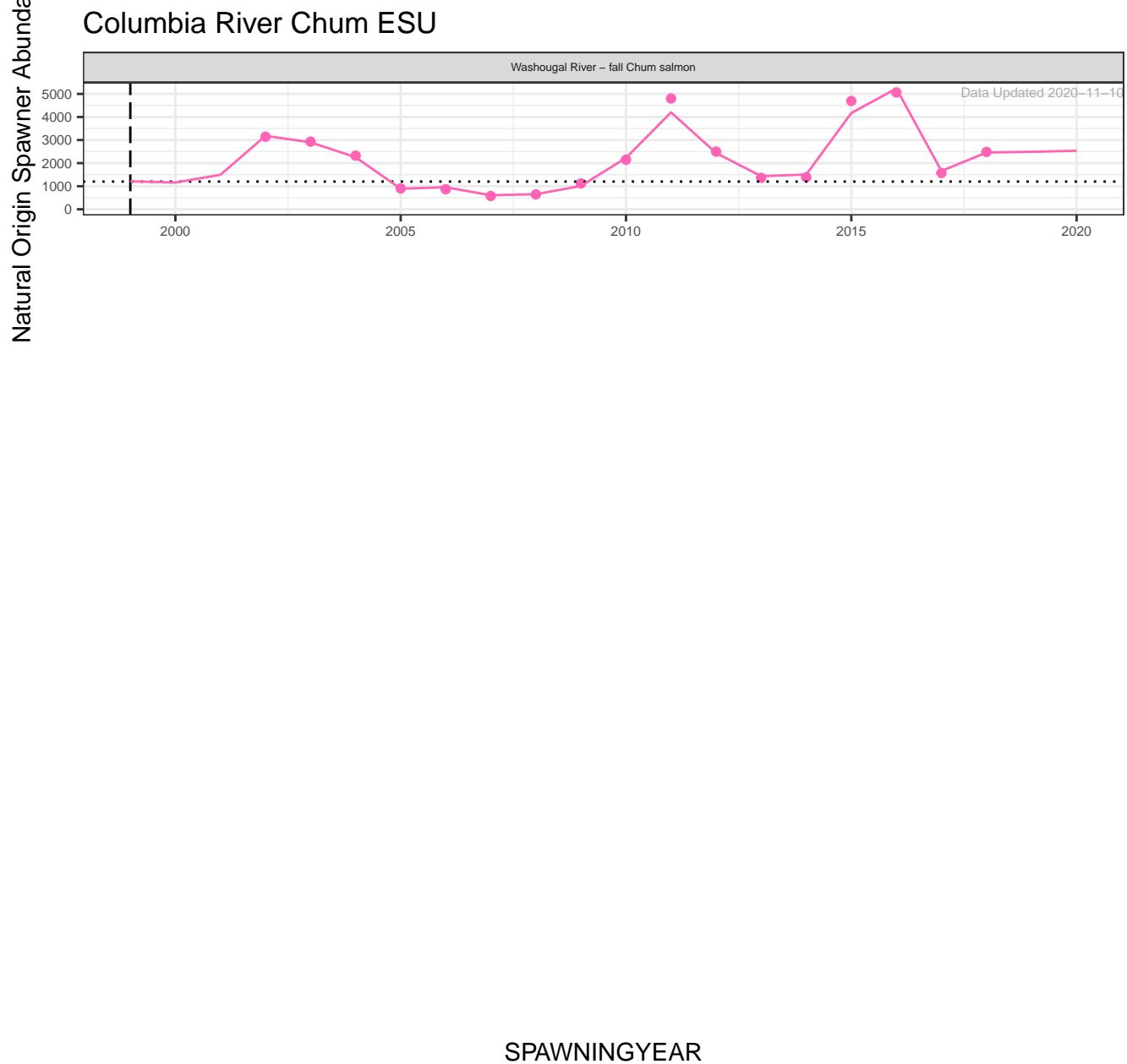
Columbia River Chum ESU

Natural Origin Spawner Abundance



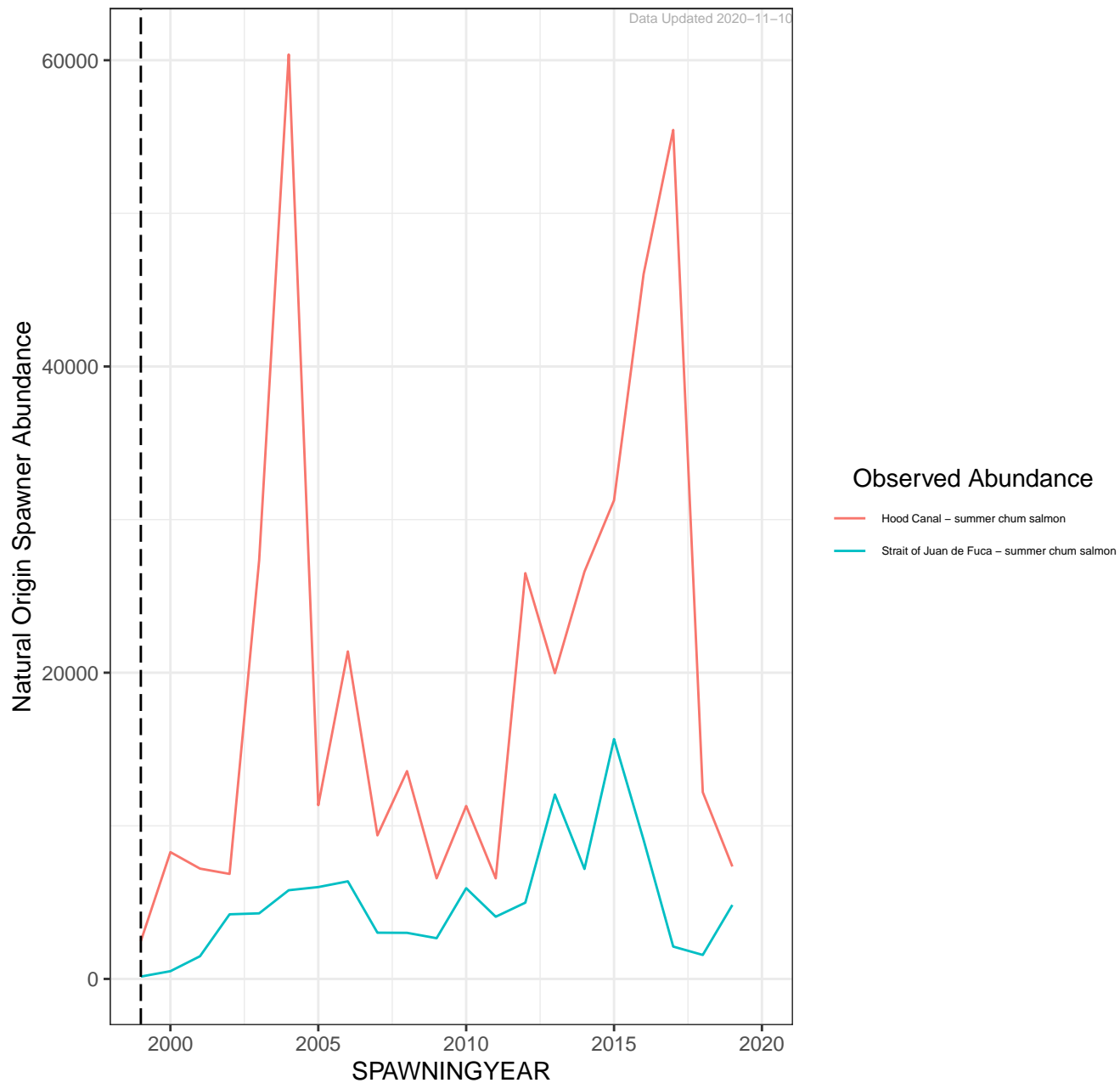
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Columbia River Chum ESU



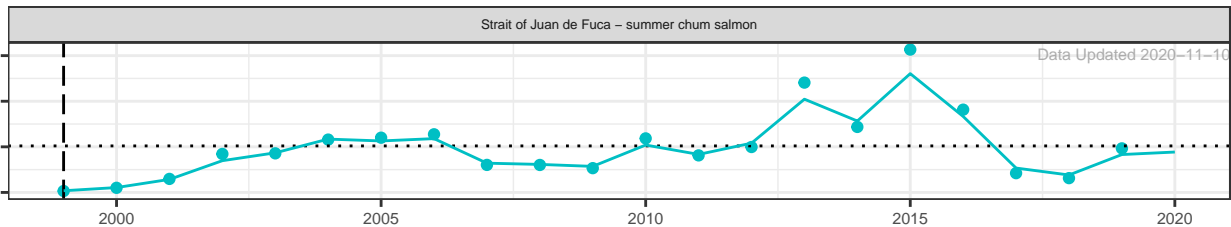
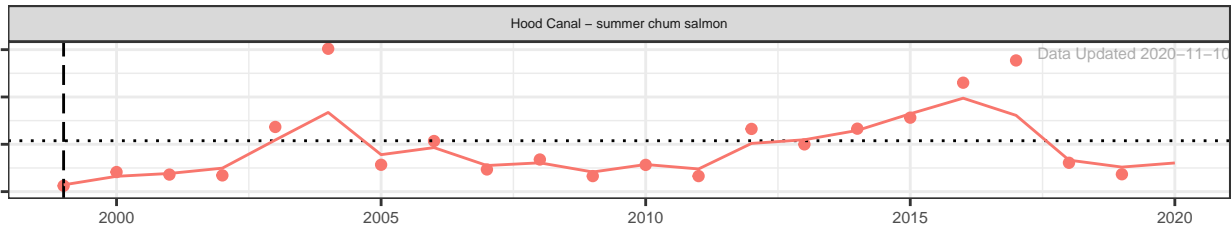
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Hood Canal Summer Chum ESU



Hood Canal Summer Chum ESU

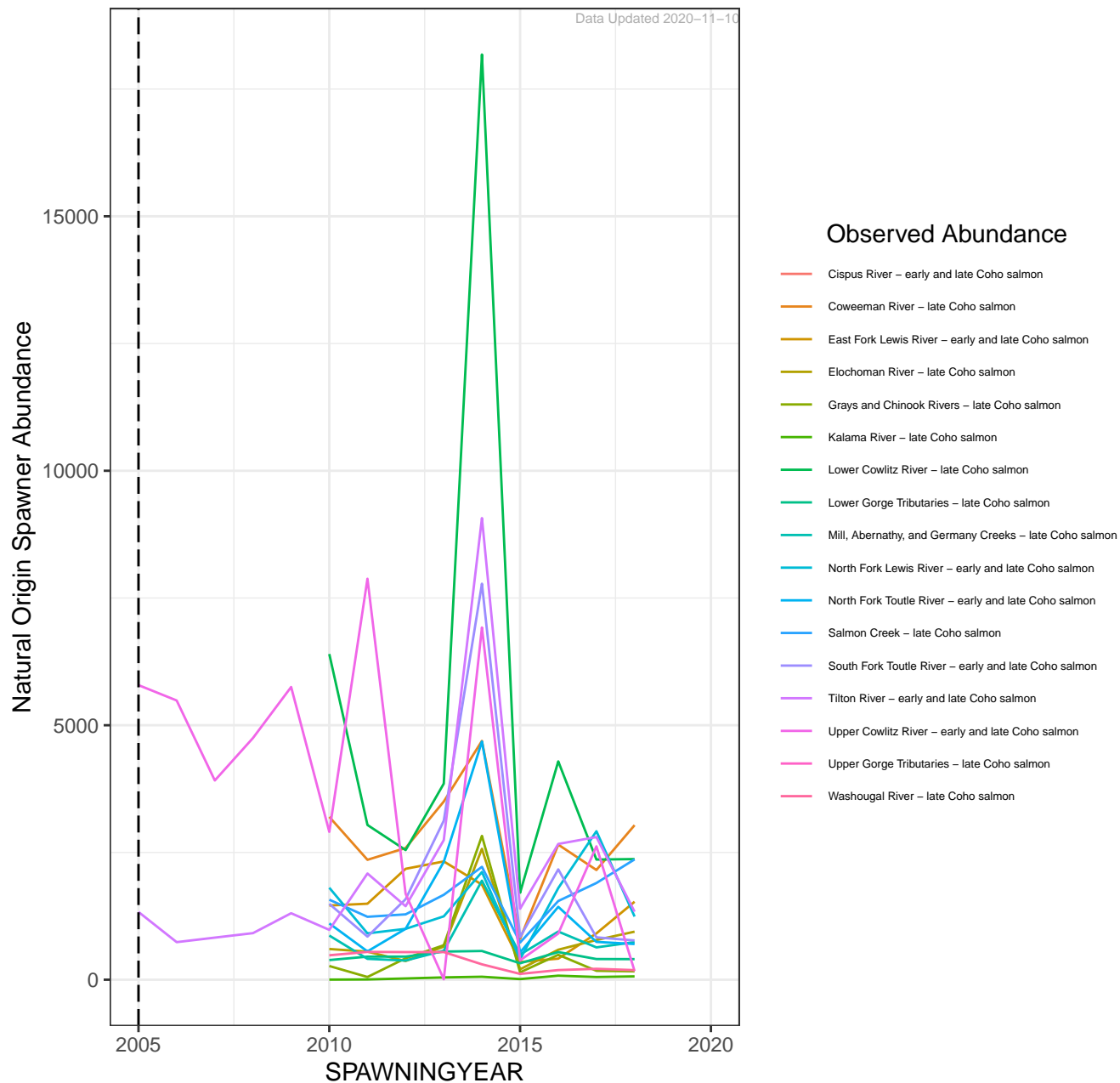
Natural Origin Spawner Abundance



SPAWNINGYEAR

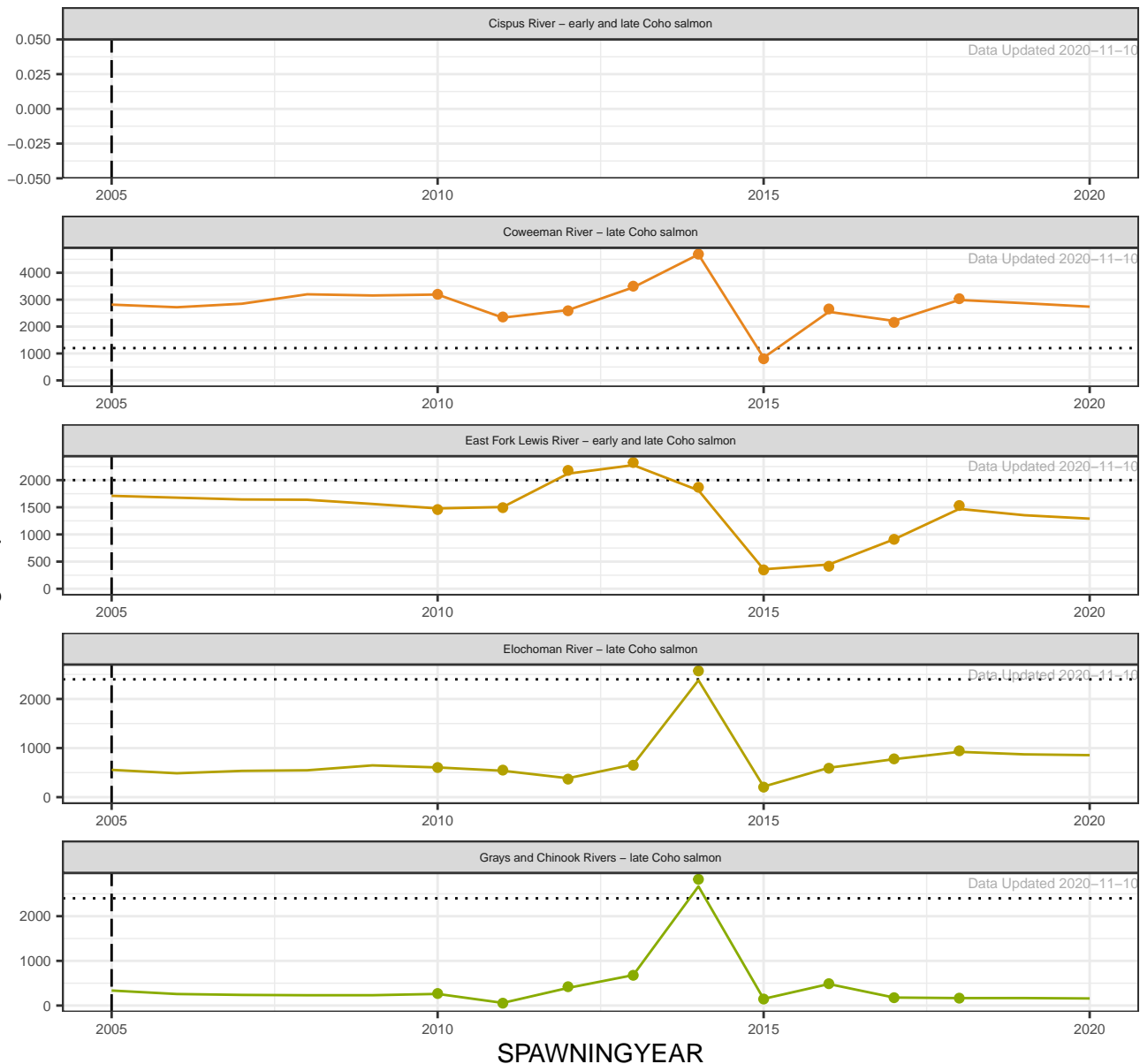
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Lower Columbia River Coho ESU



Lower Columbia River Coho ESU

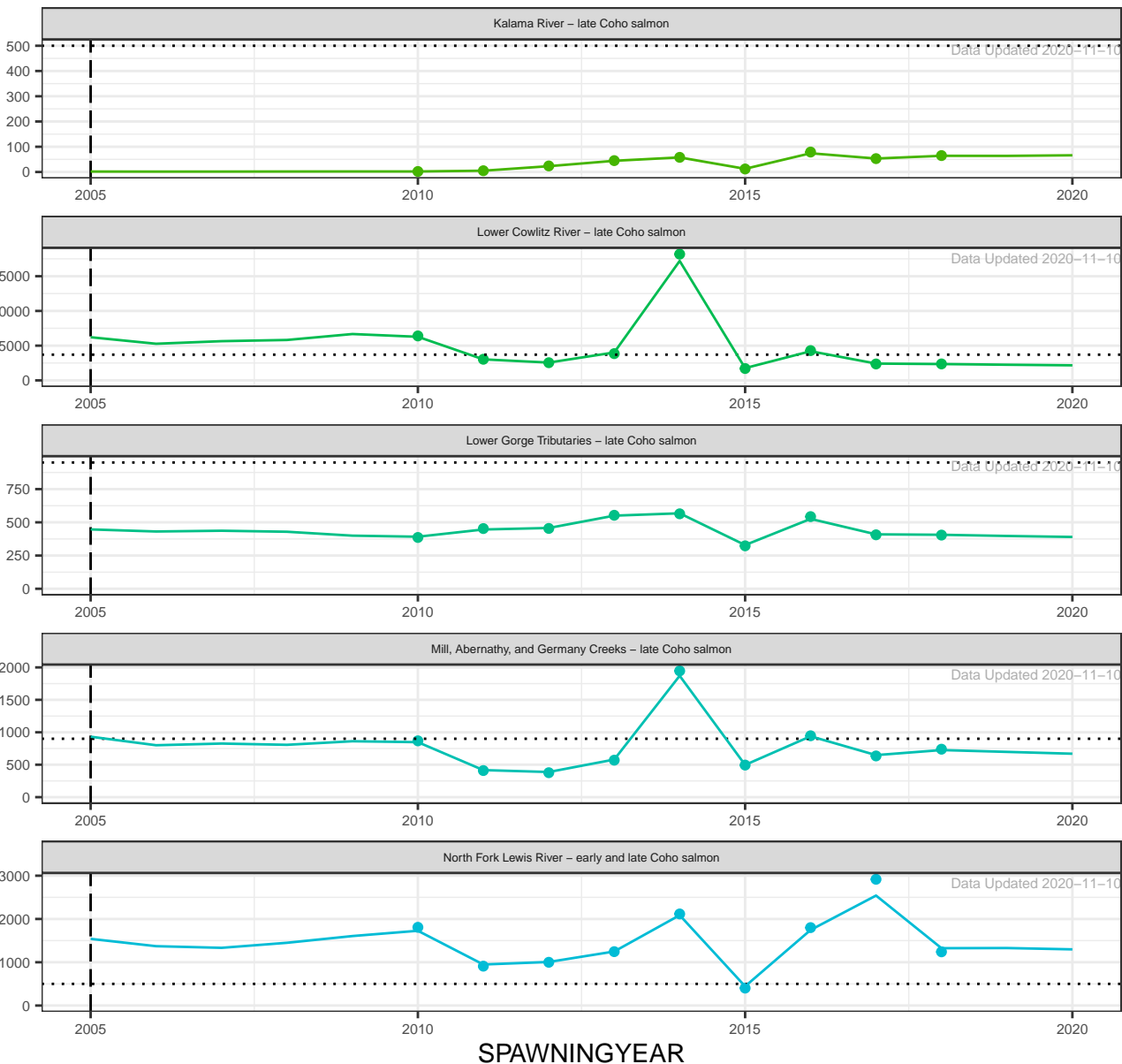
Natural Origin Spawner Abundance



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

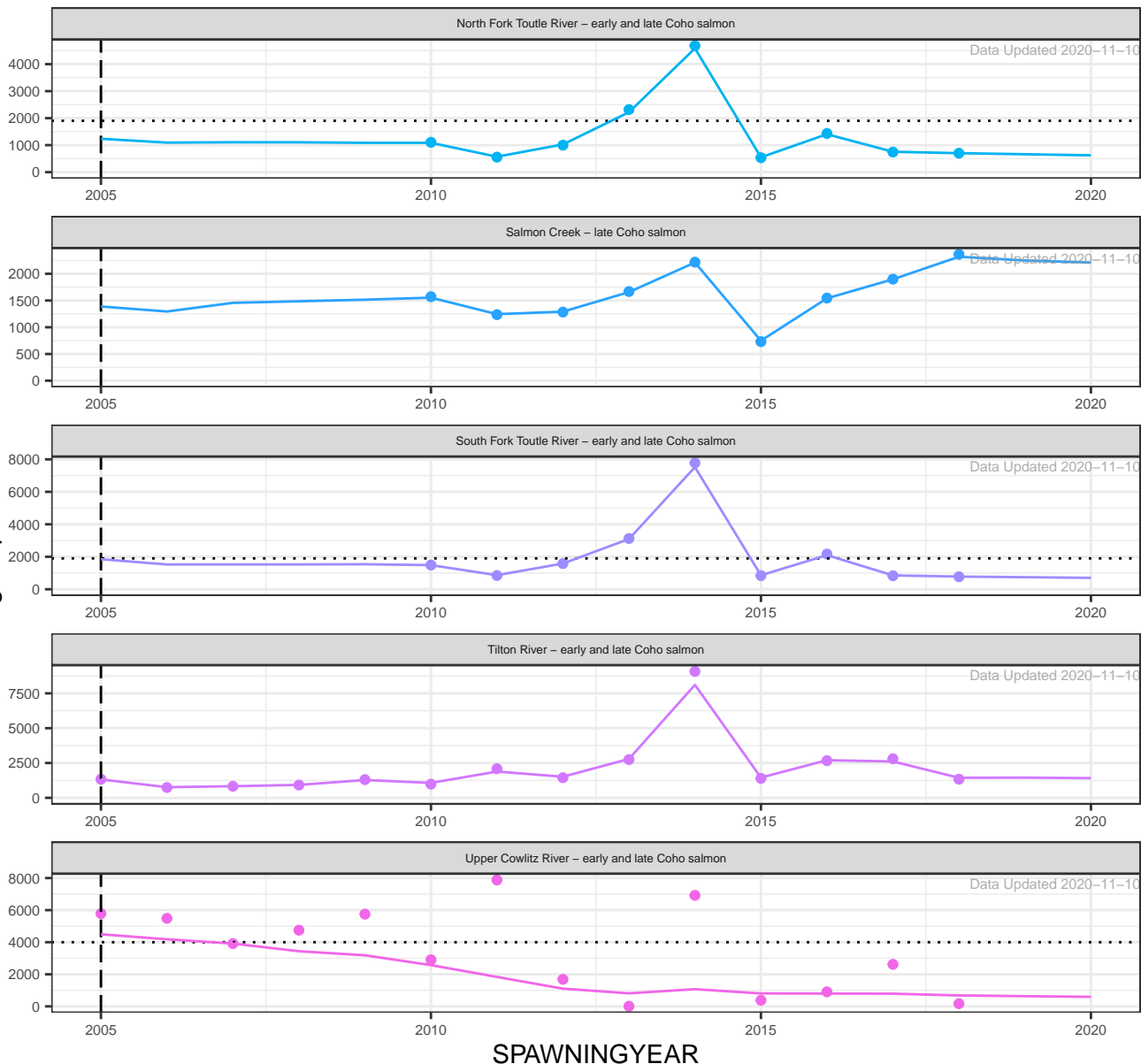
Natural Origin Spawner Abundance



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

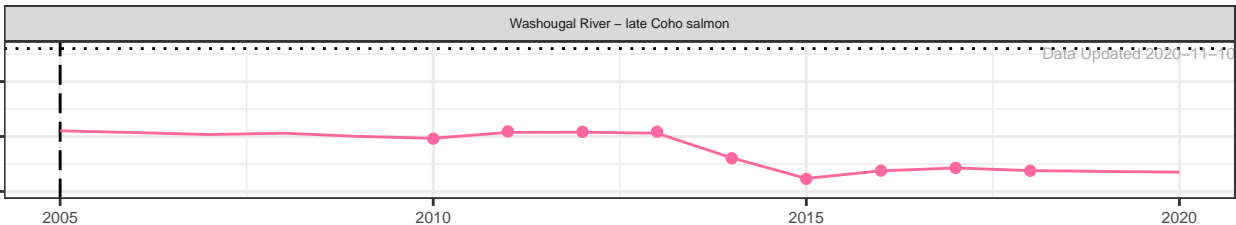
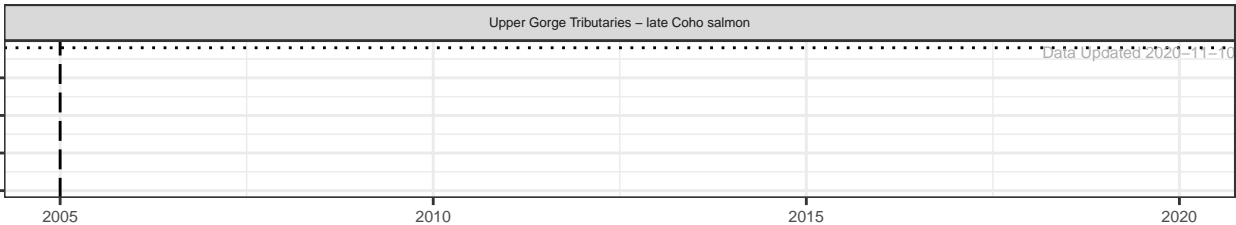
Natural Origin Spawner Abundance



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

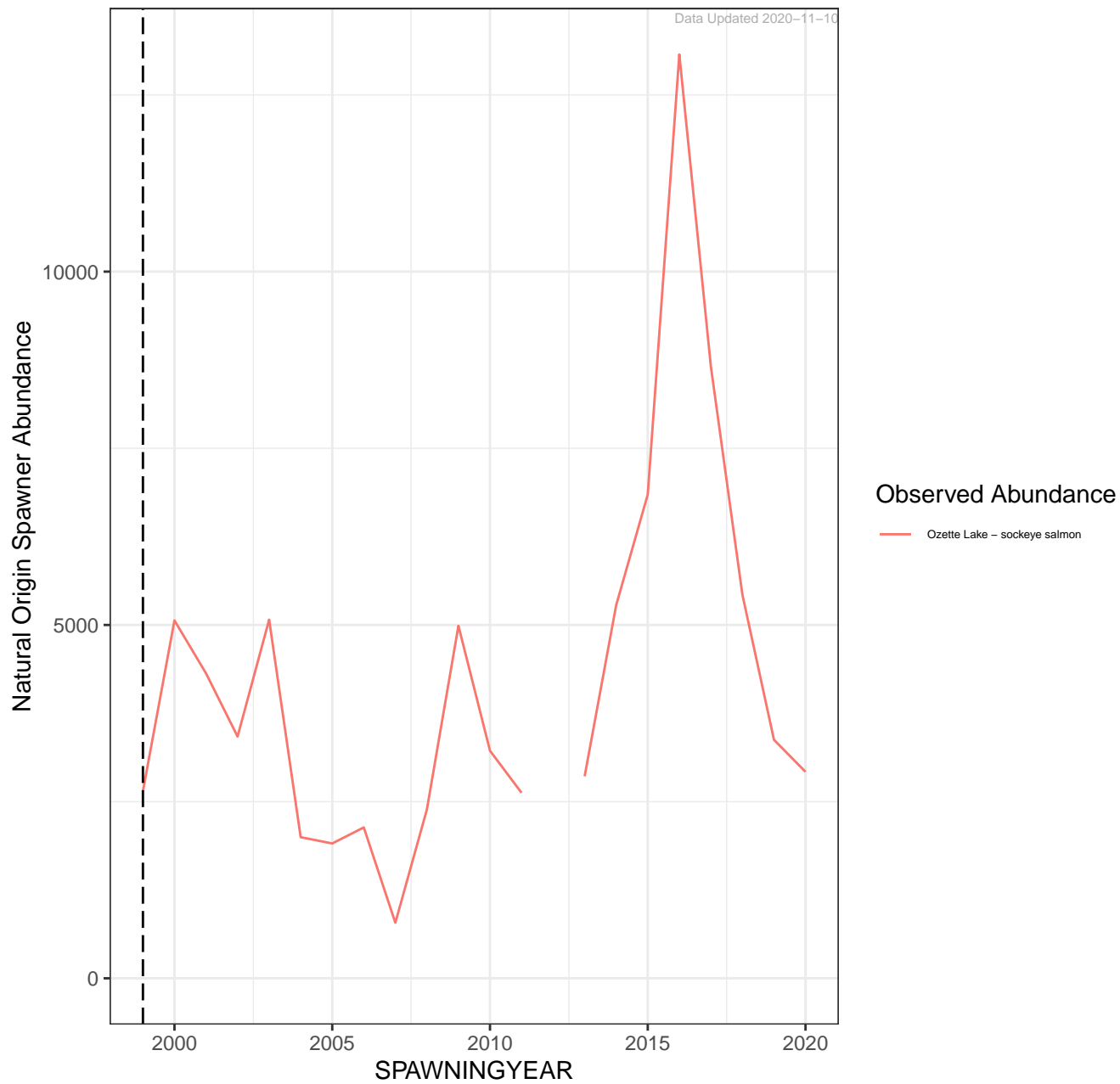
Natural Origin Spawner Abundance



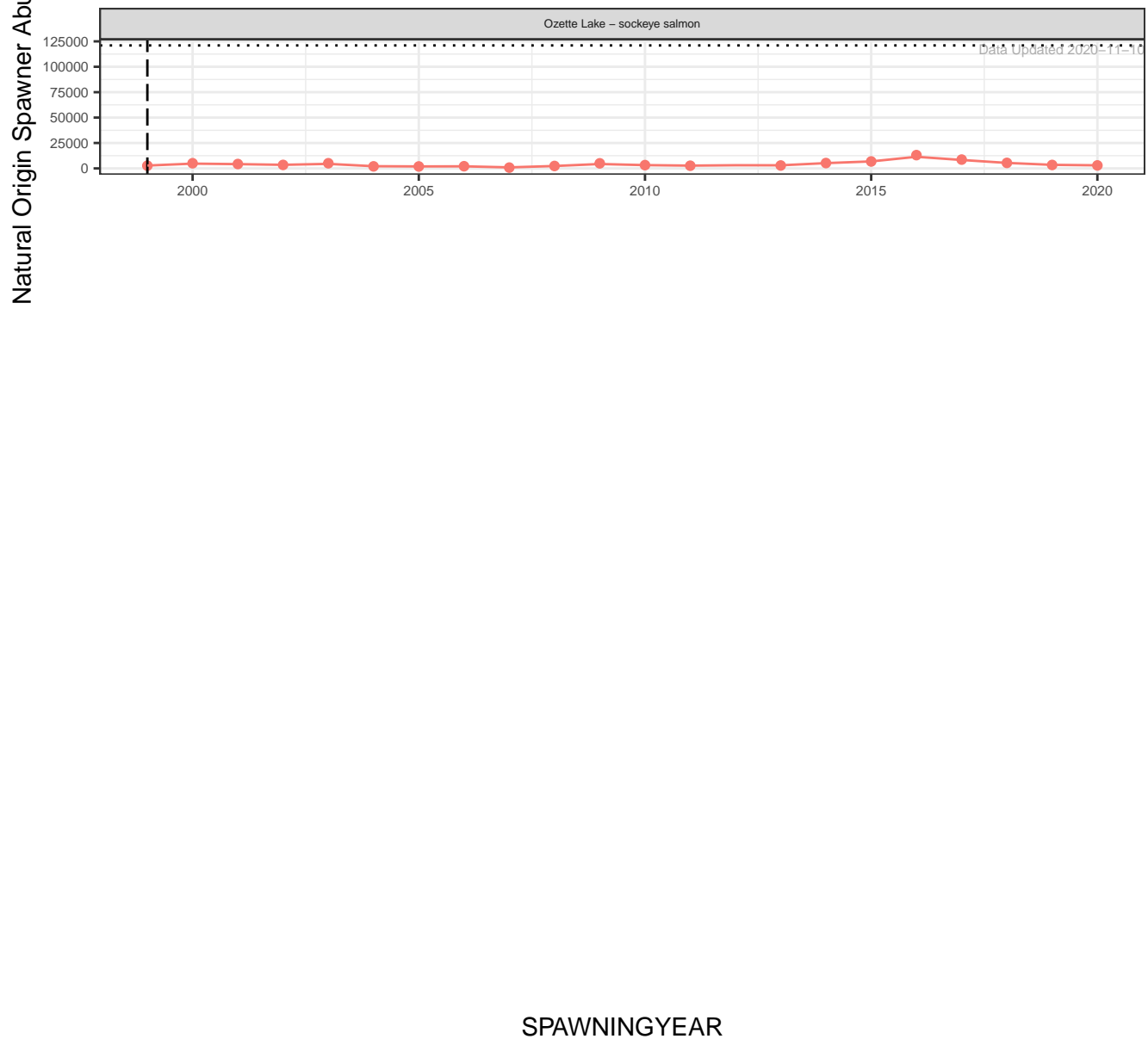
SPAWNINGYEAR

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

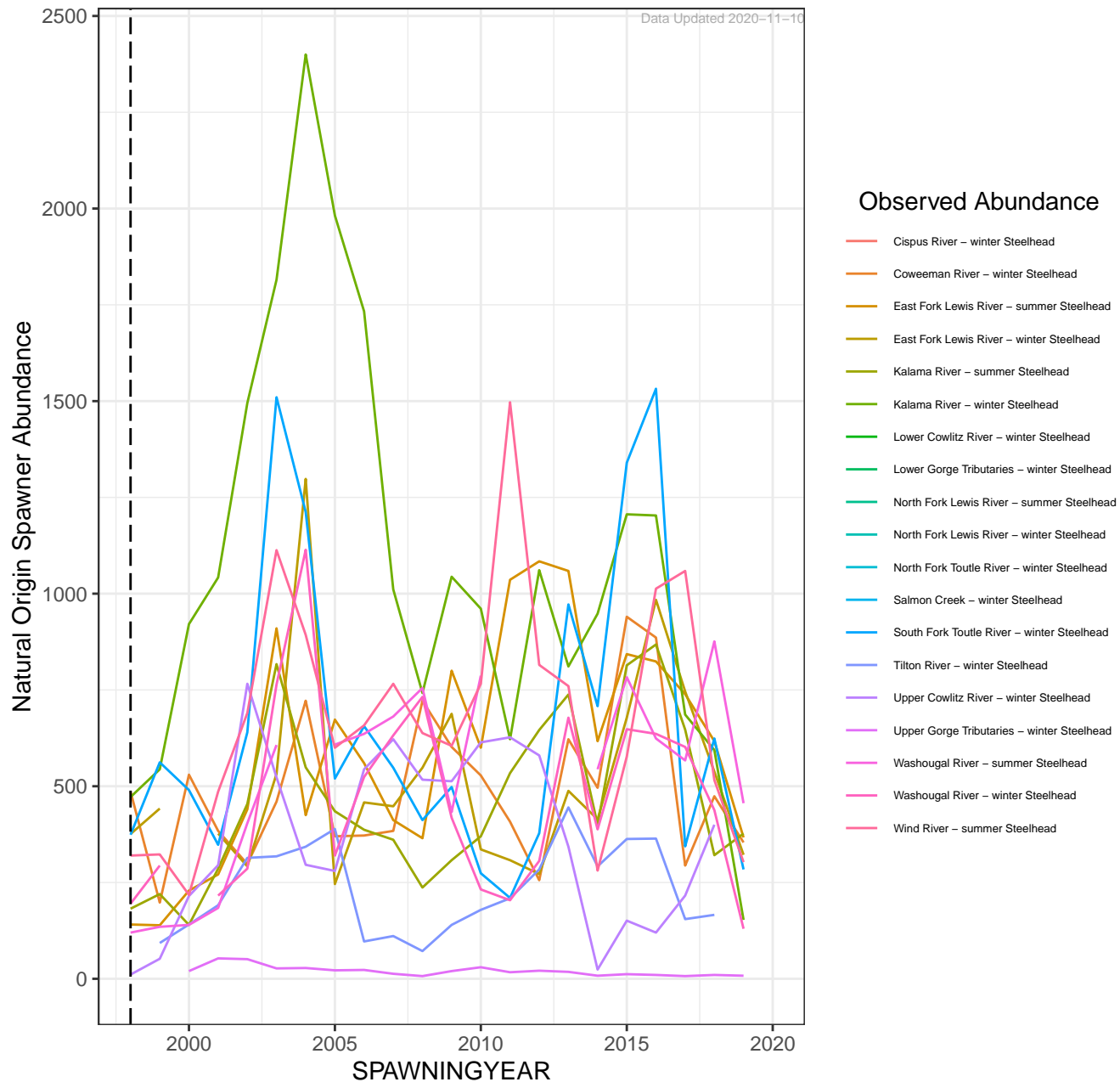


Ozette Lake Sockeye ESU



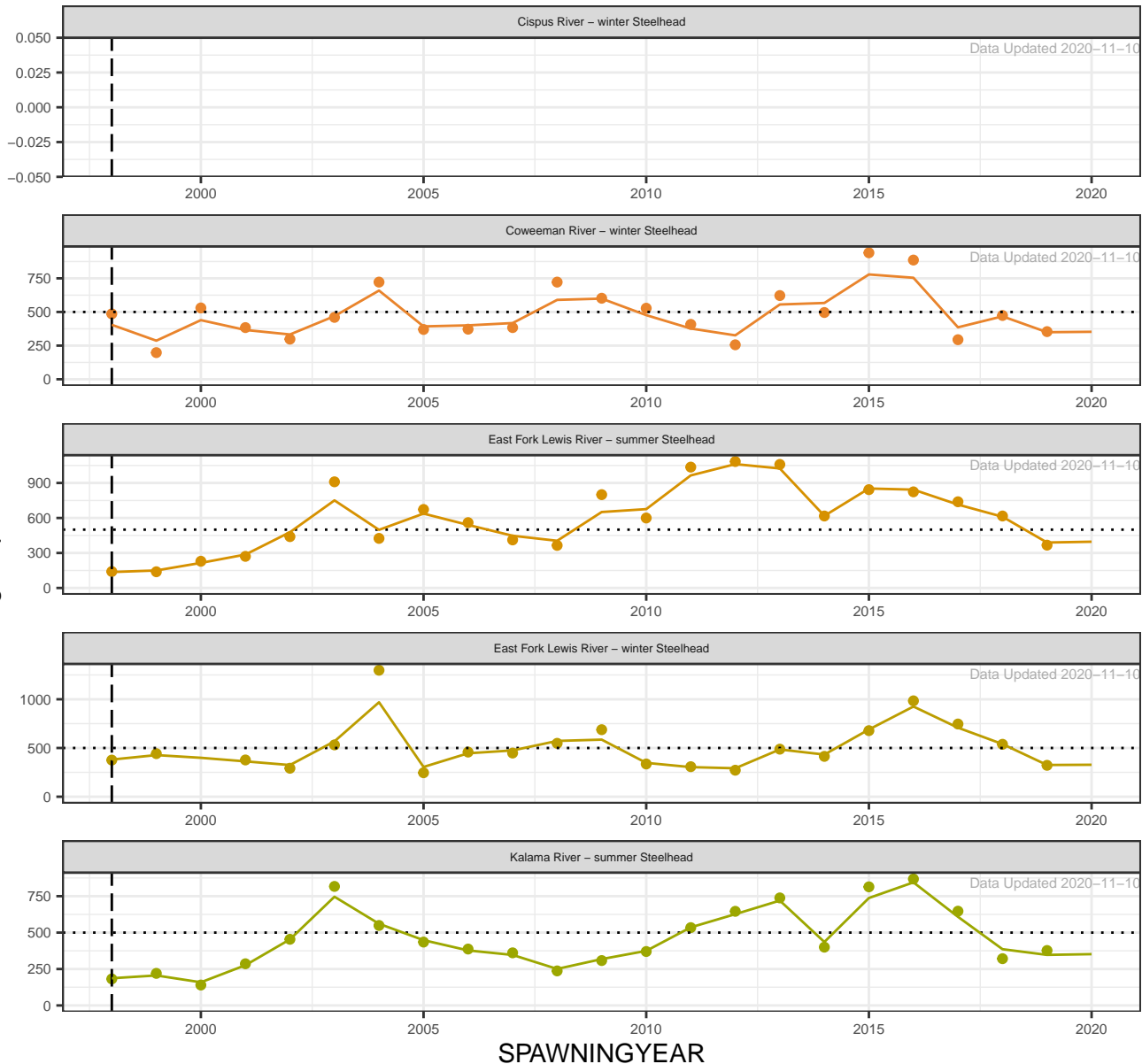
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Lower Columbia River Steelhead DPS



Lower Columbia River Steelhead DPS

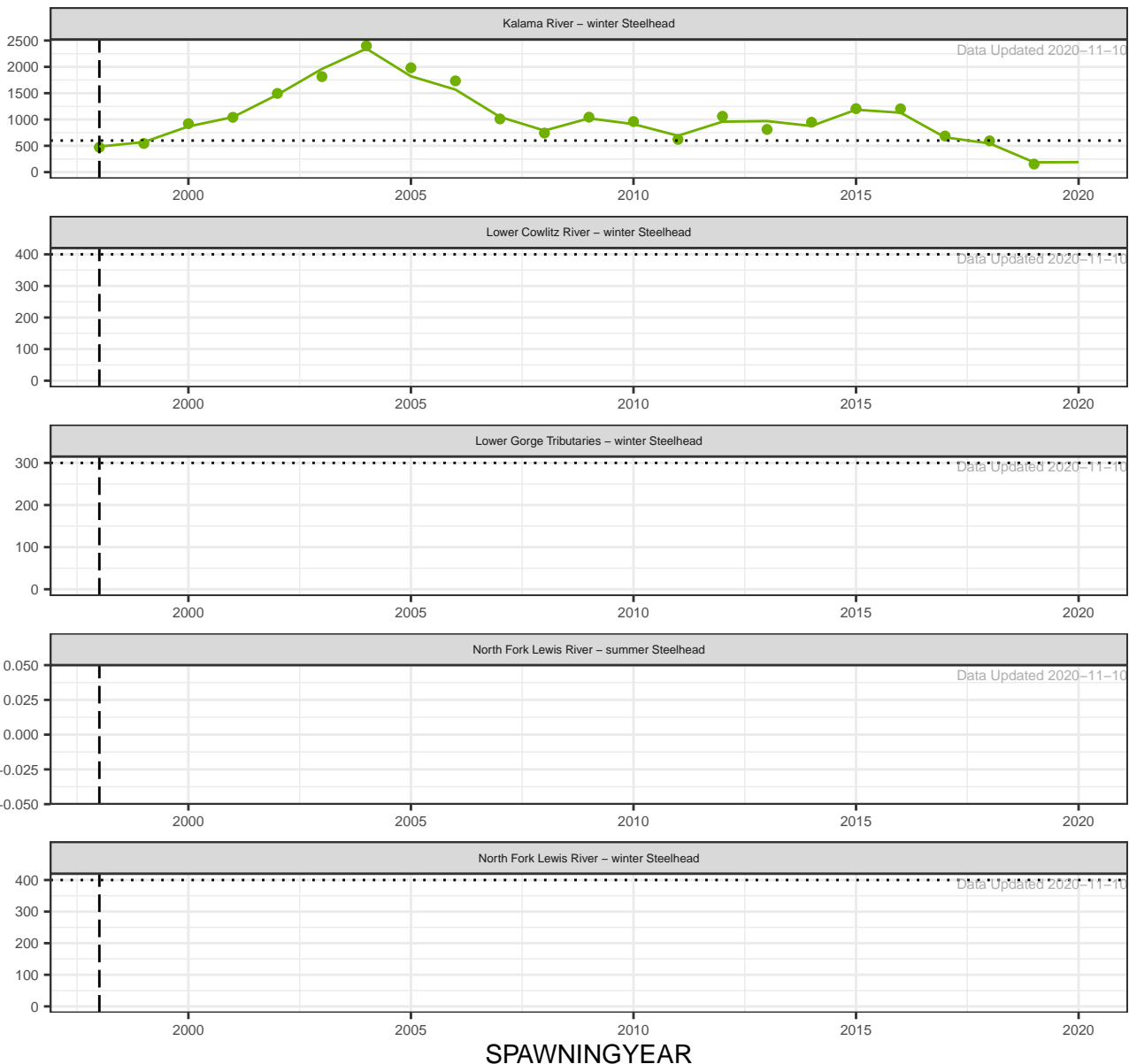
Natural Origin Spawner Abundance



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

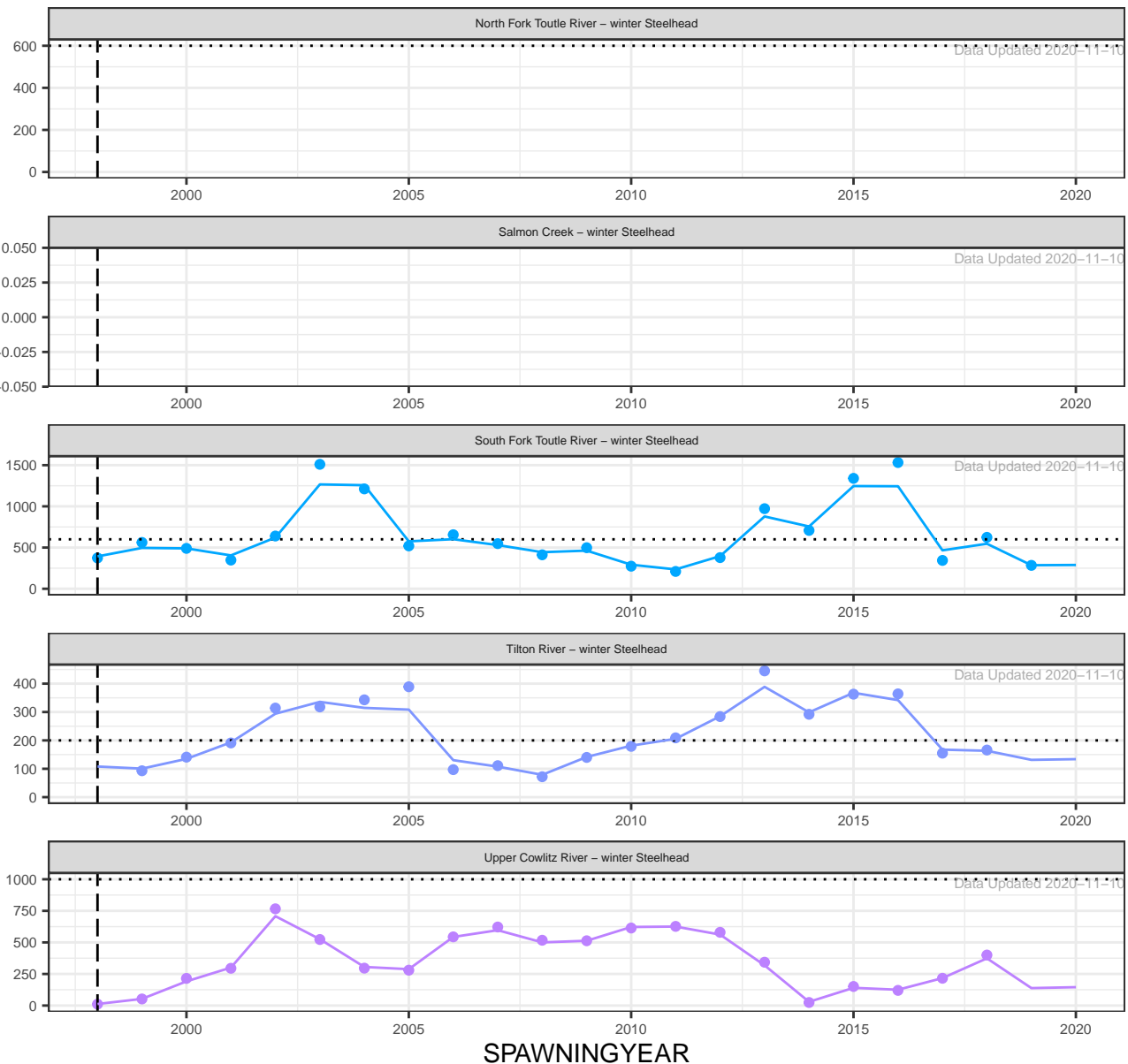
Natural Origin Spawner Abundance



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

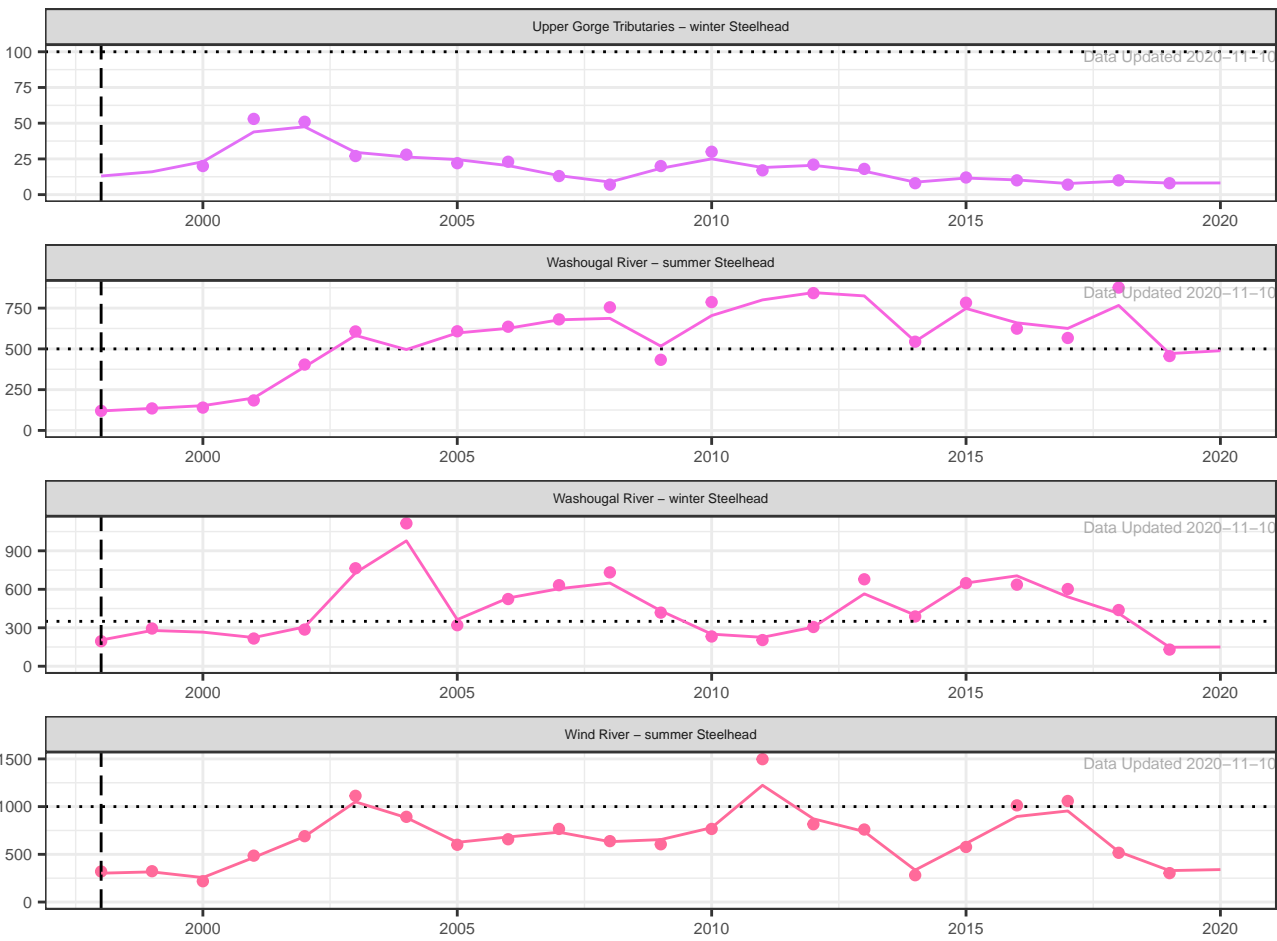
Natural Origin Spawner Abundance



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

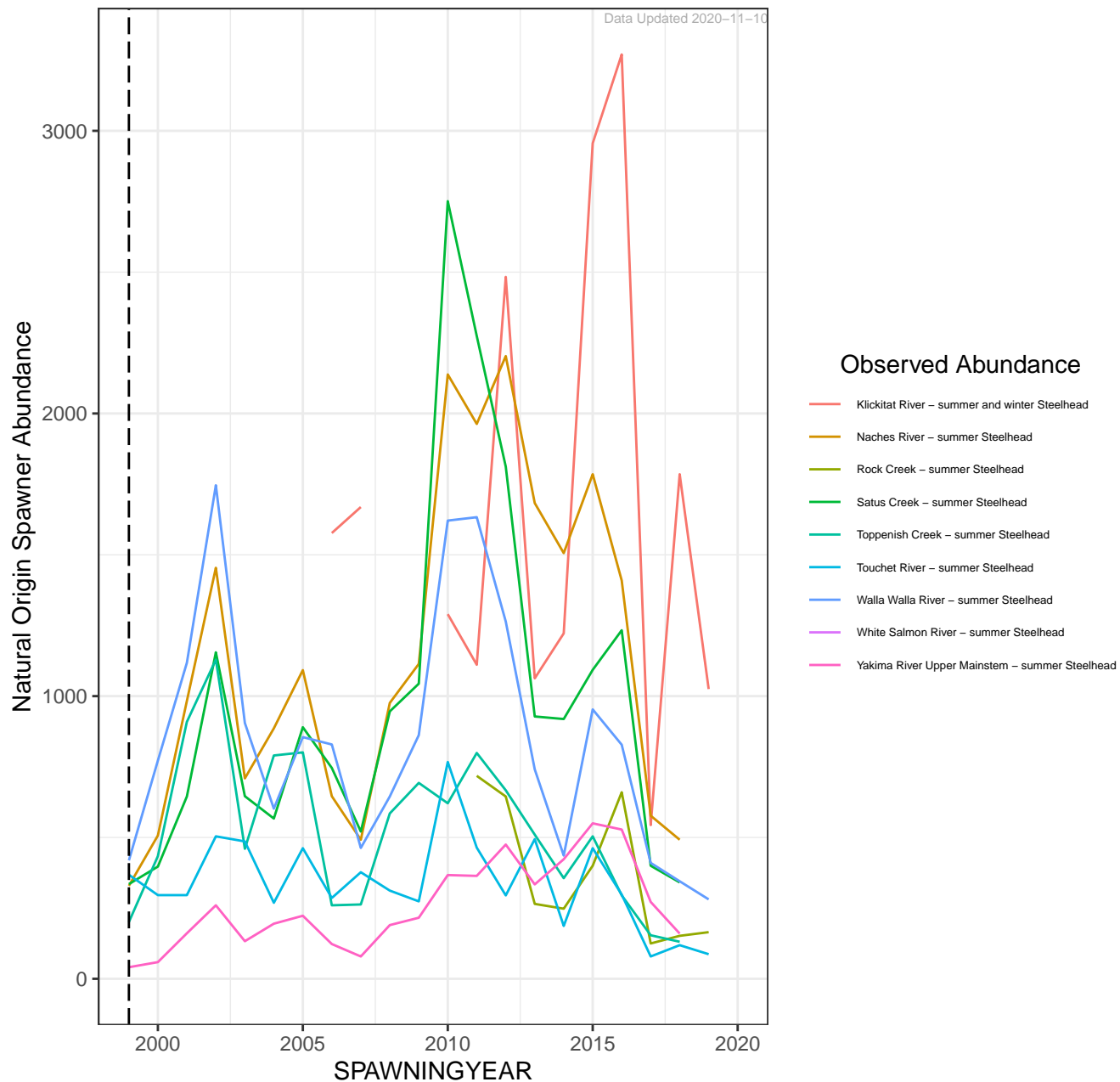
Natural Origin Spawner Abundance



SPAWNINGYEAR

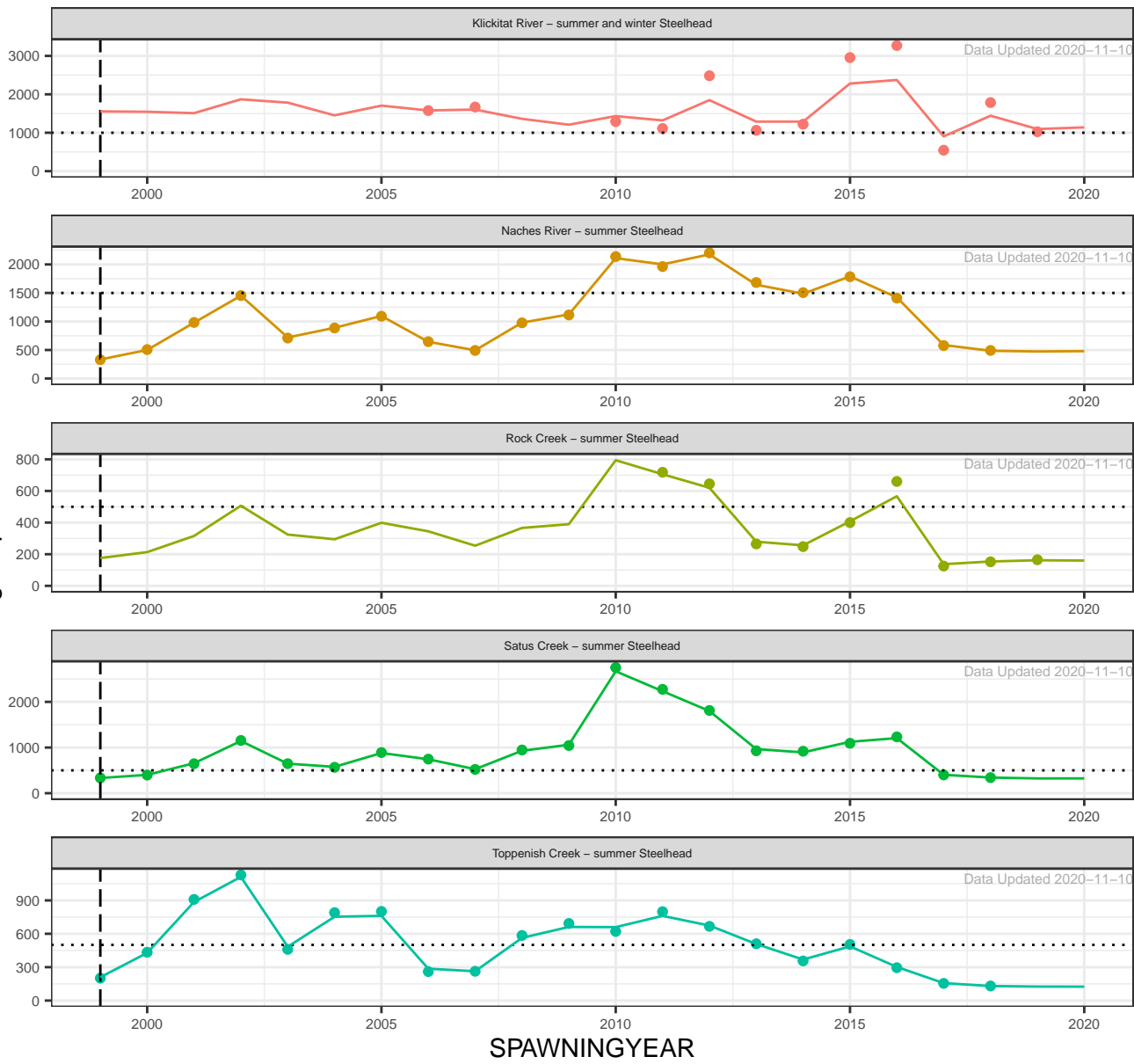
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Middle Columbia River Steelhead DPS



Middle Columbia River Steelhead DPS

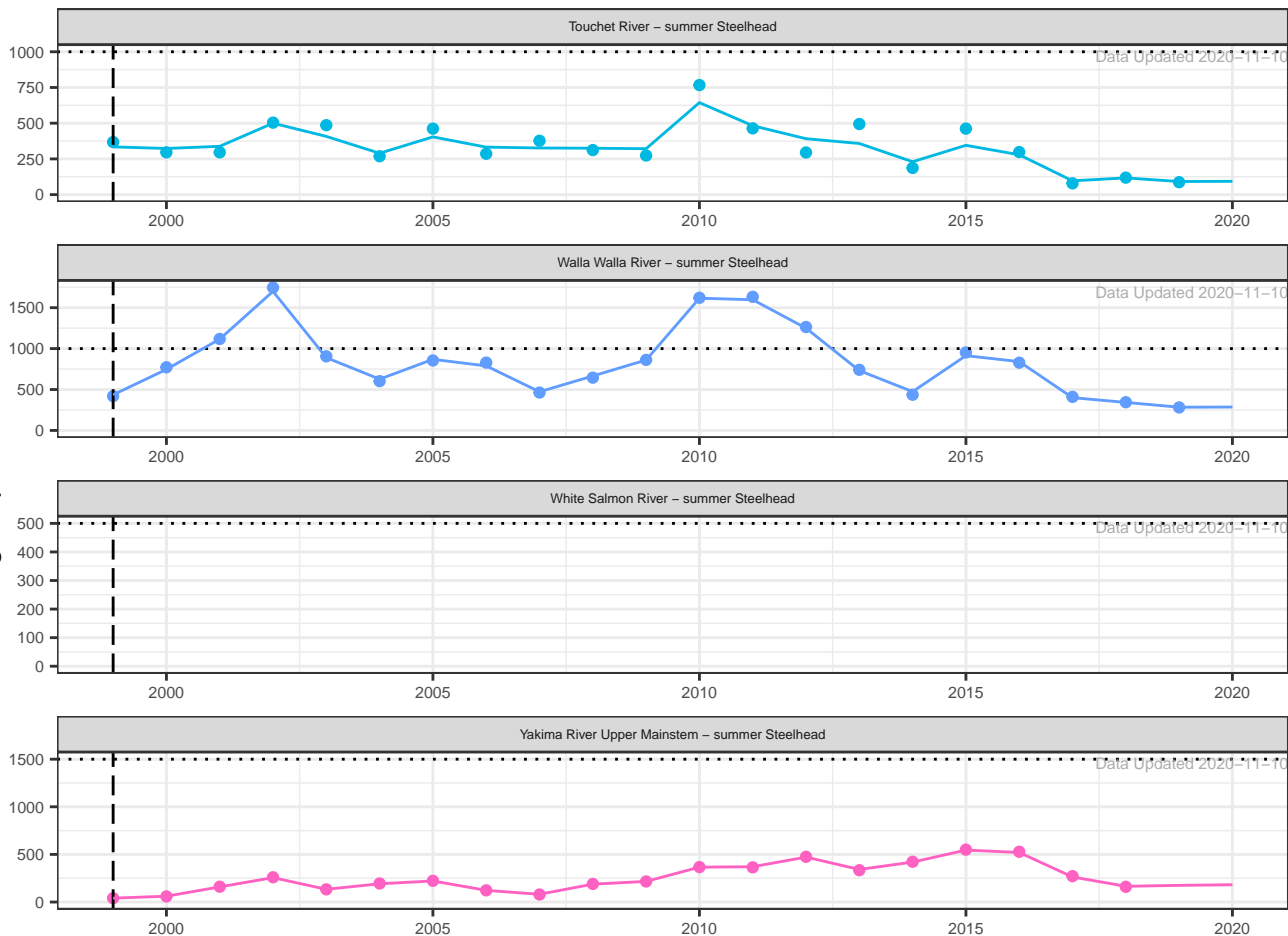
Natural Origin Spawner Abundance



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



SPAWNINGYEAR

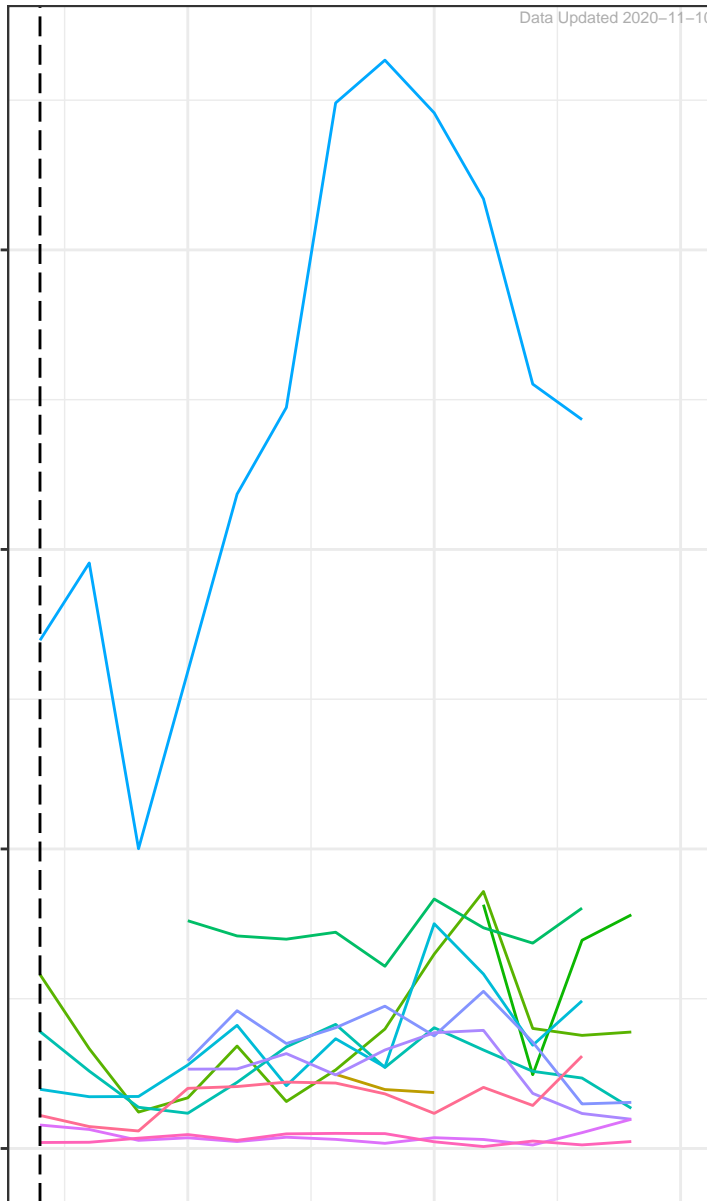
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Puget Sound Steelhead DPS

Observed Abundance

Natural Origin Spawner Abundance

Data Updated 2020-11-10

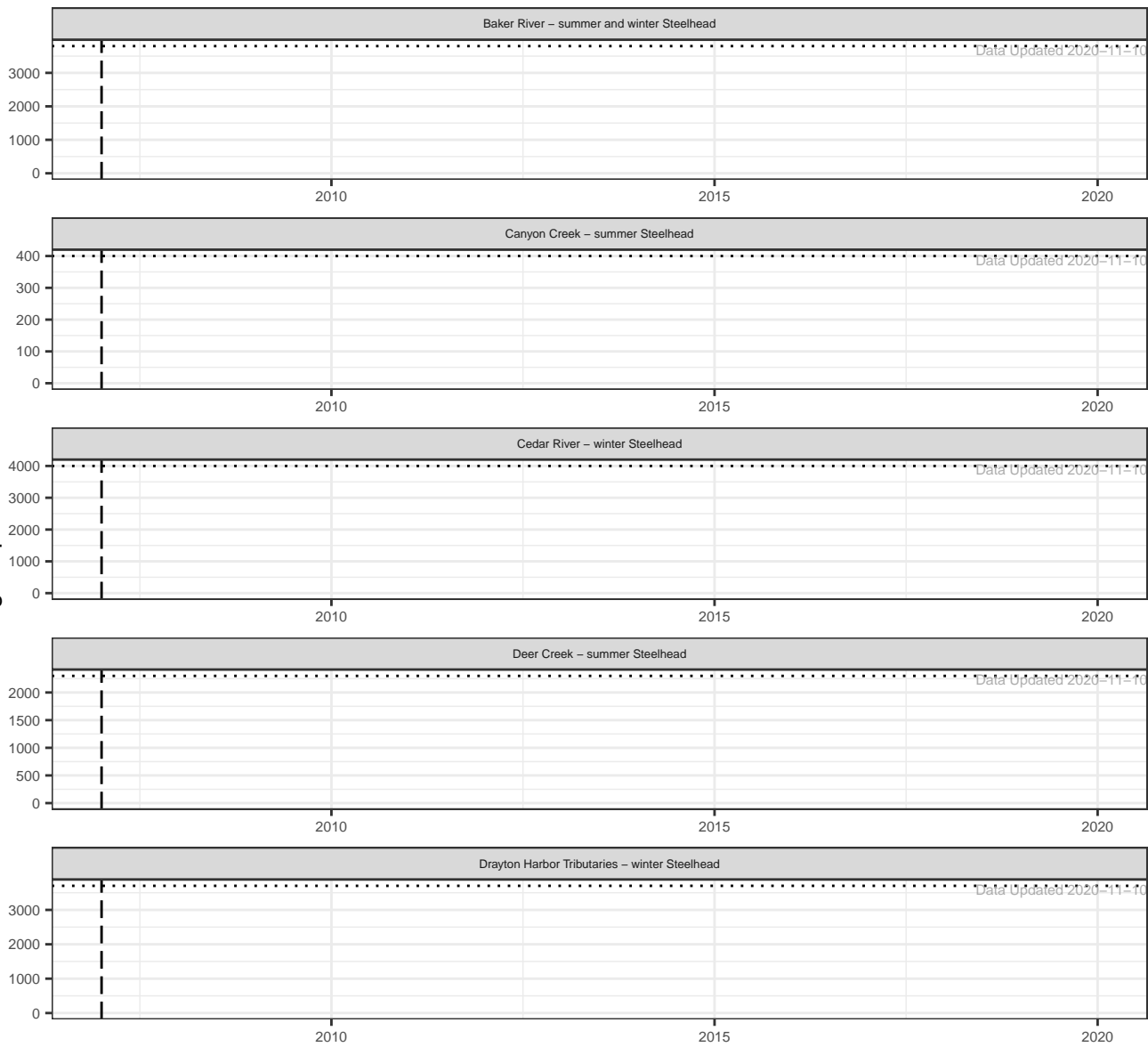


SPAWNING YEAR

- 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

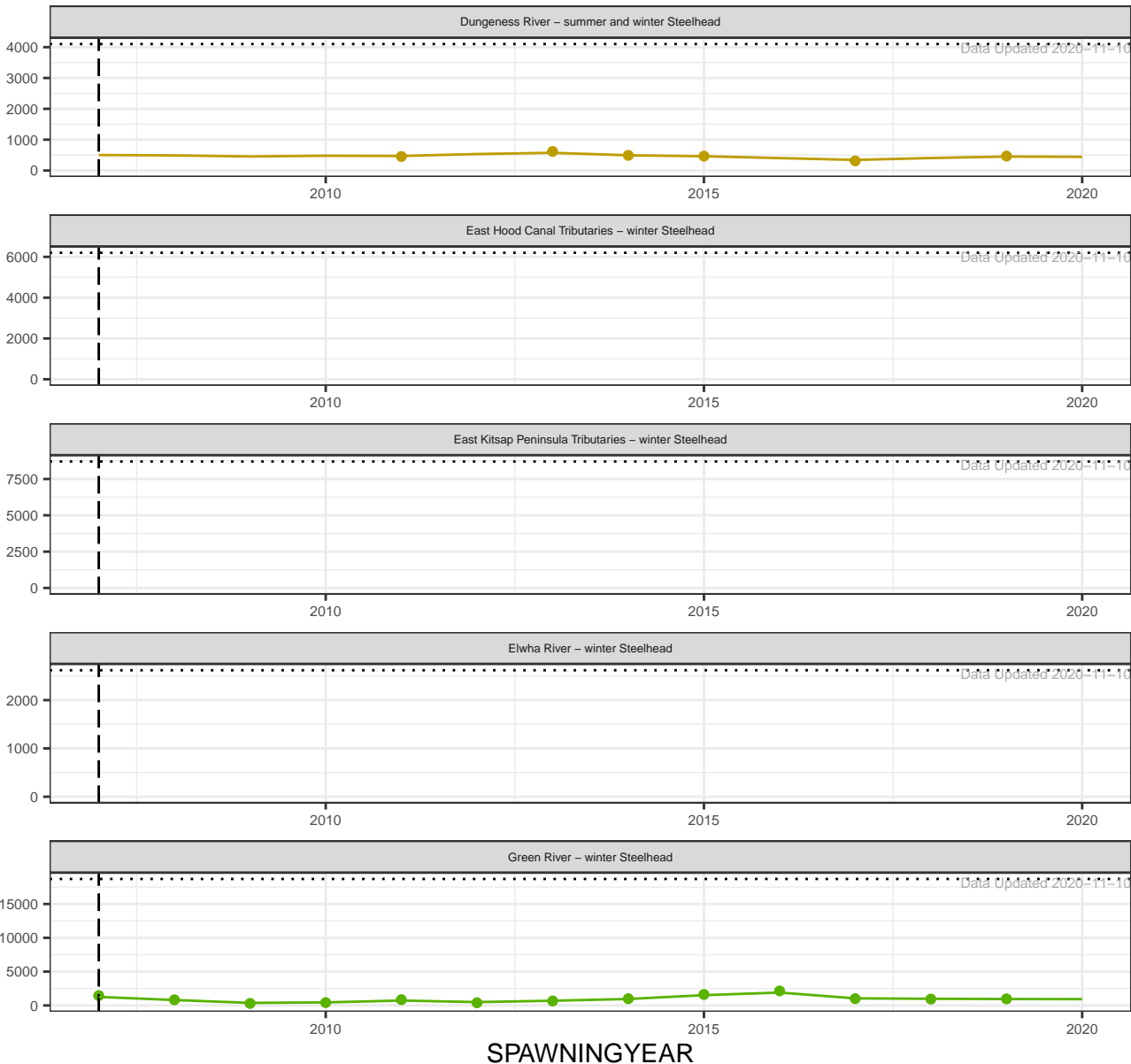
Natural Origin Spawner Abundance



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

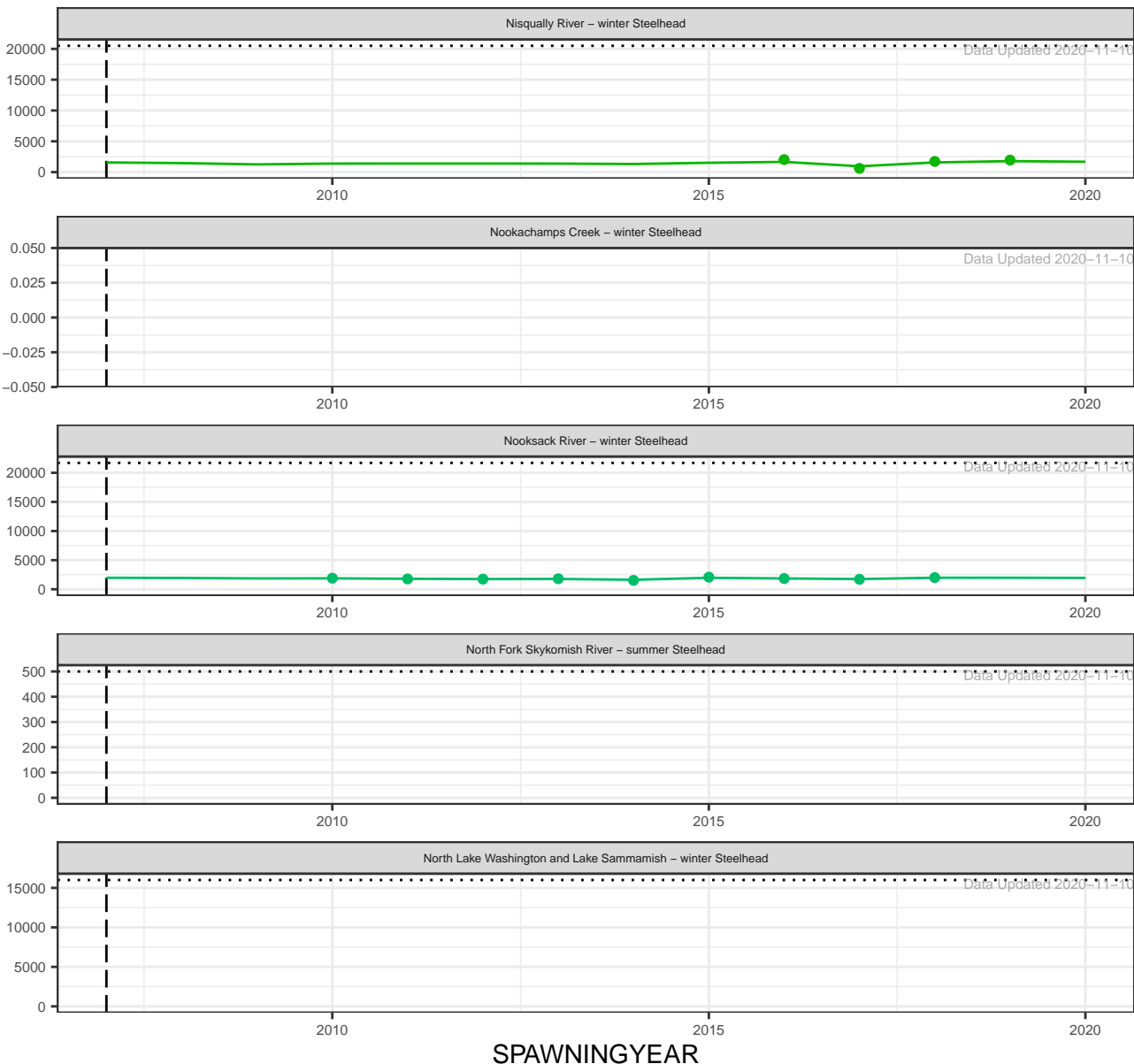
Natural Origin Spawner Abundance



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

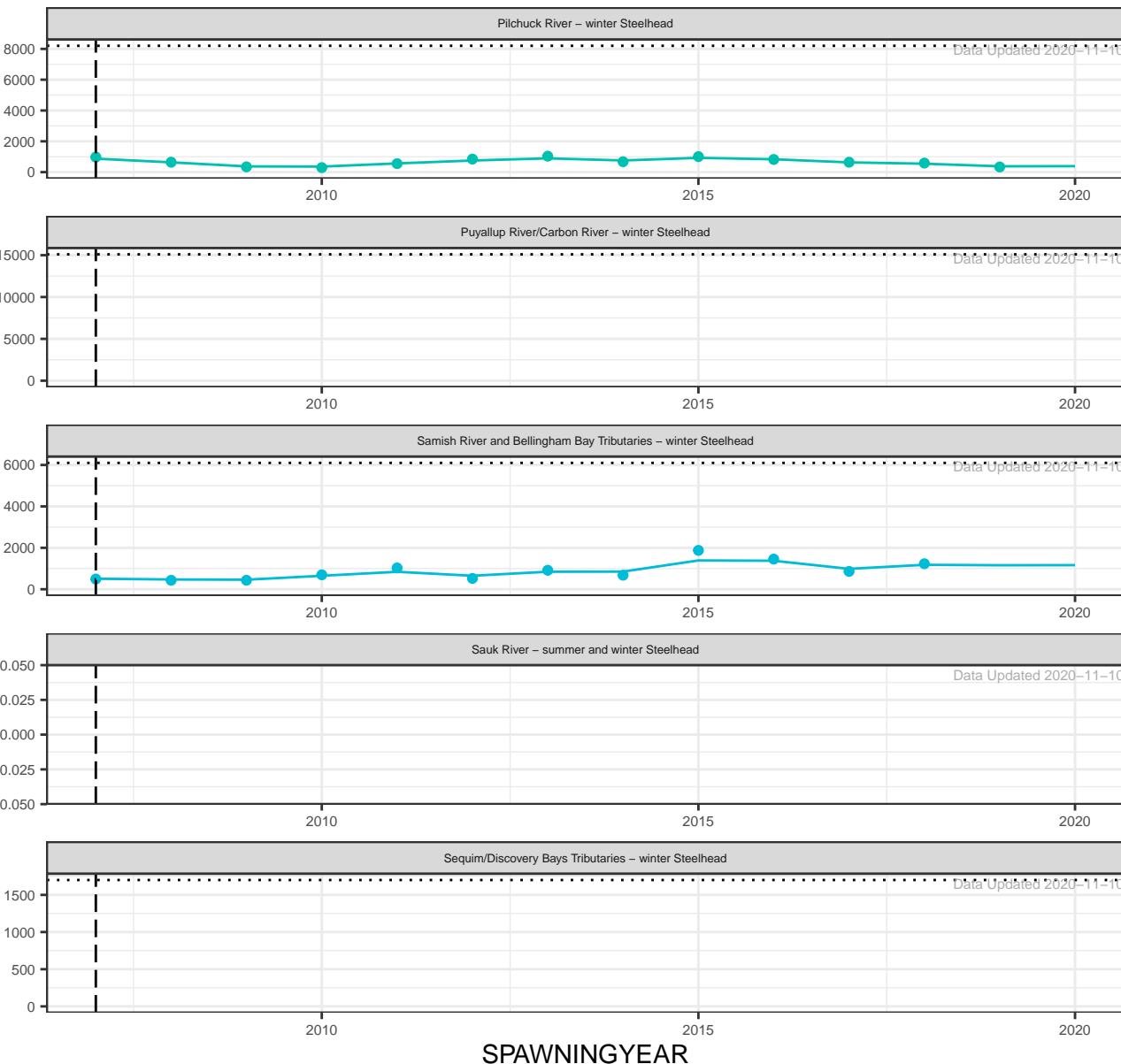
Natural Origin Spawner Abundance



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

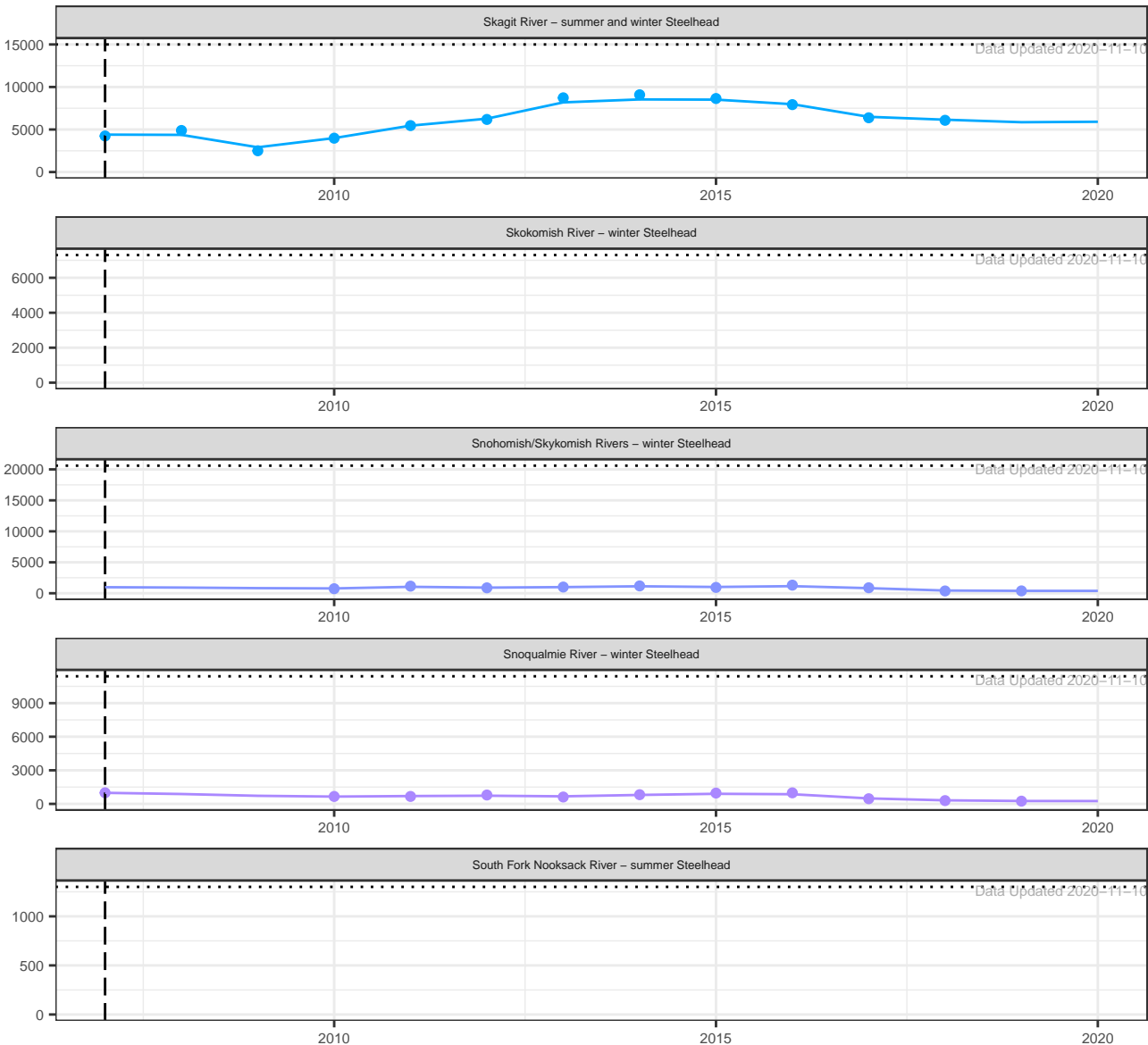
Natural Origin Spawner Abundance



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

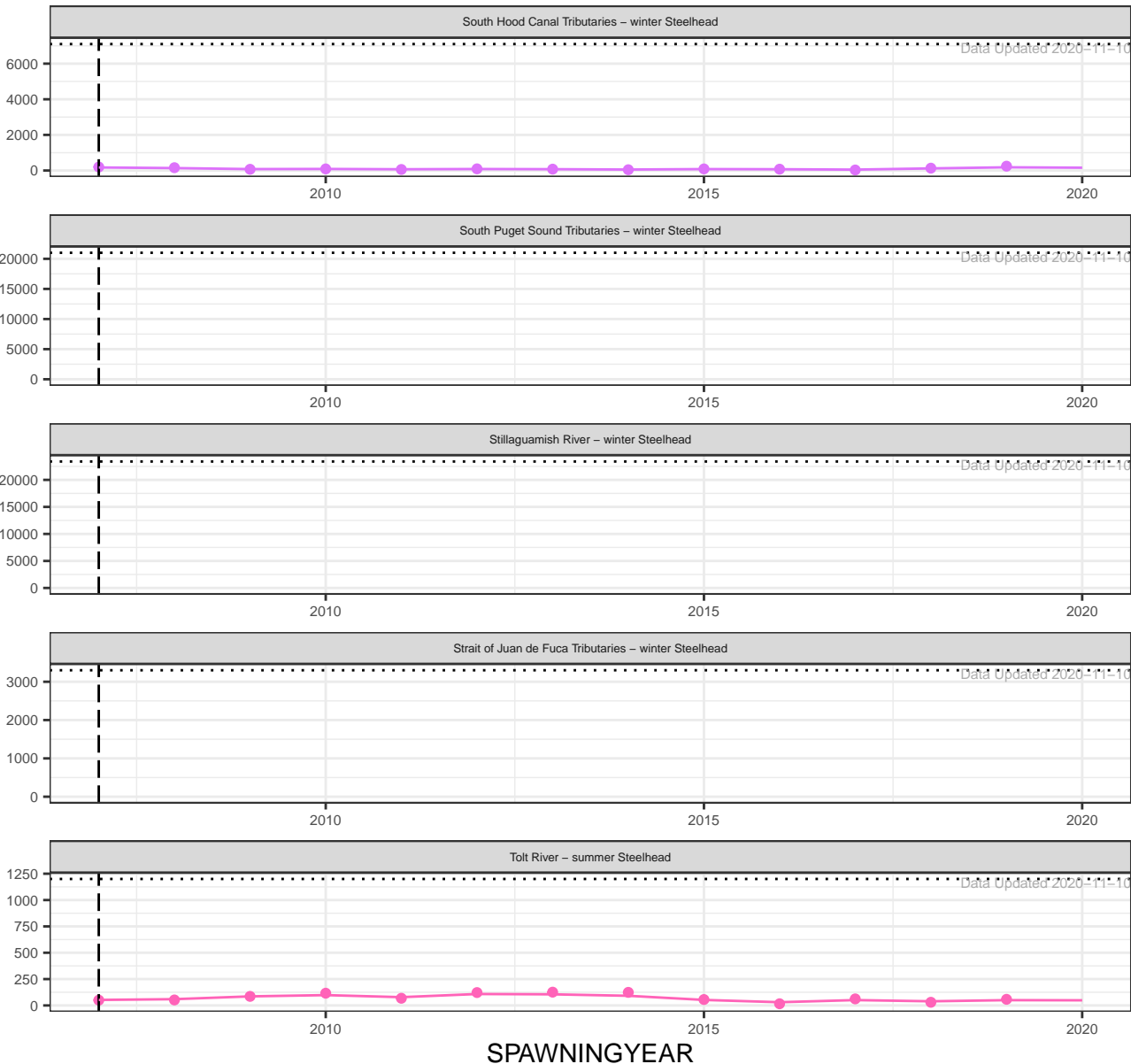
Natural Origin Spawner Abundance



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

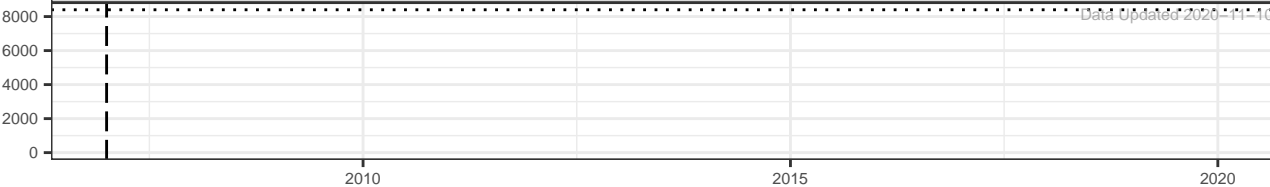


Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

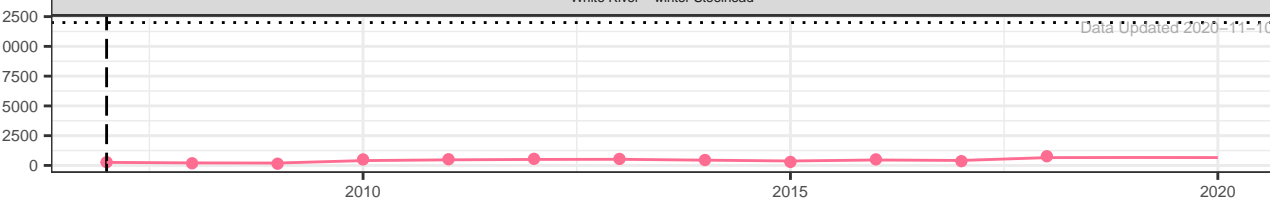
Puget Sound Steelhead DPS

Natural Origin Spawner Abundance

West Hood Canal Tributaries – winter Steelhead



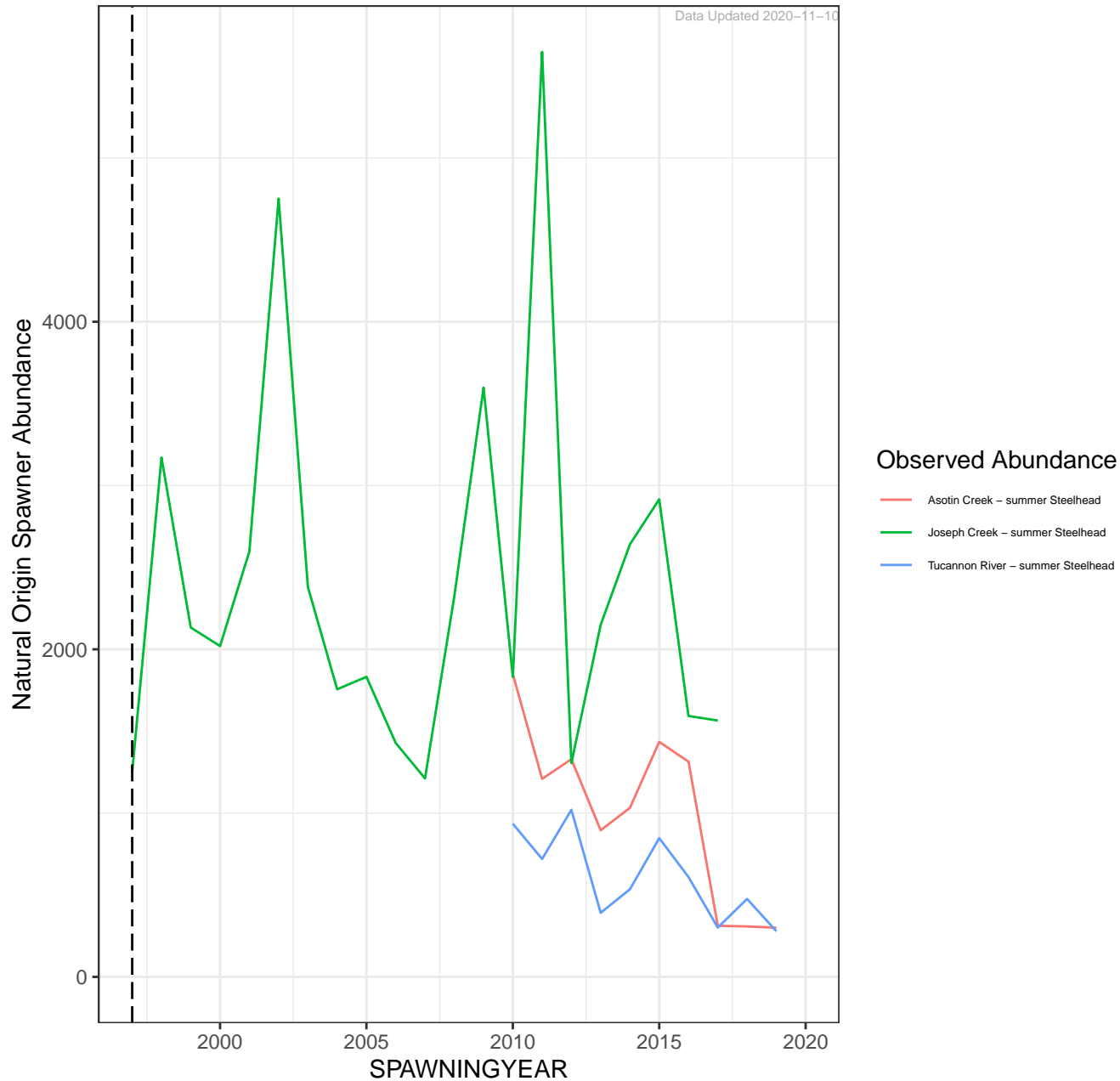
White River – winter Steelhead



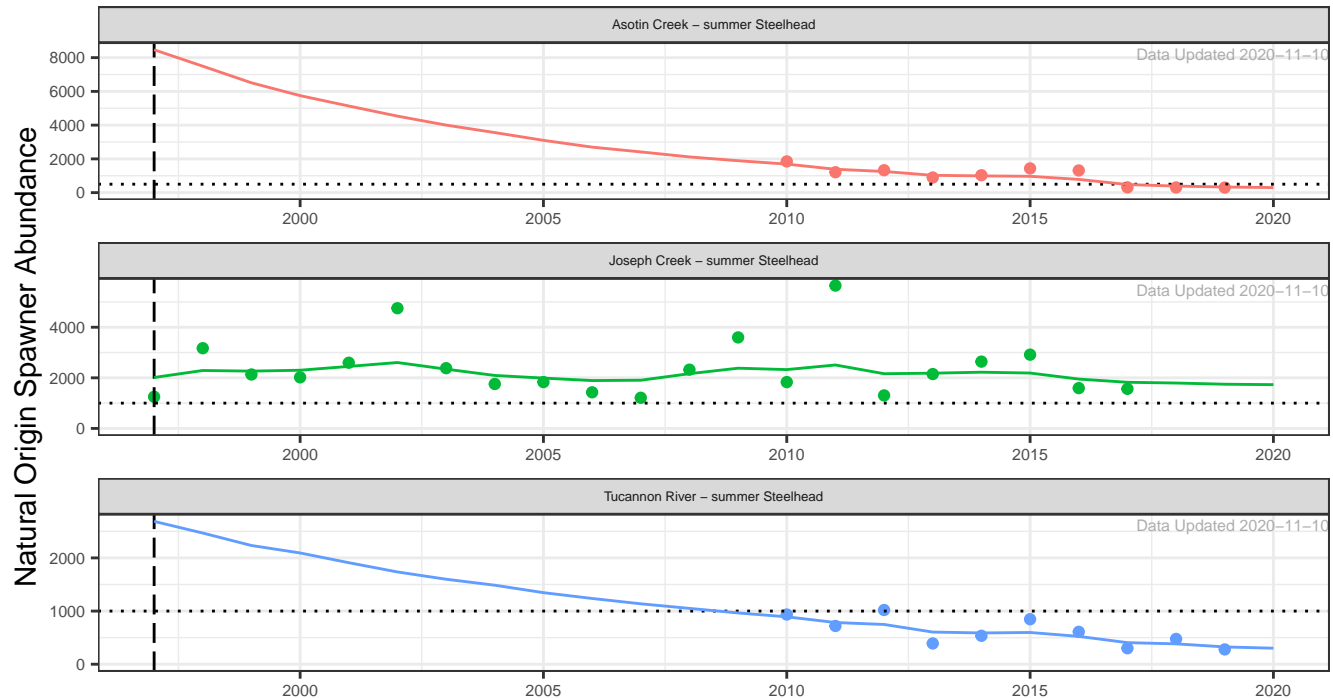
SPAWNINGYEAR

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



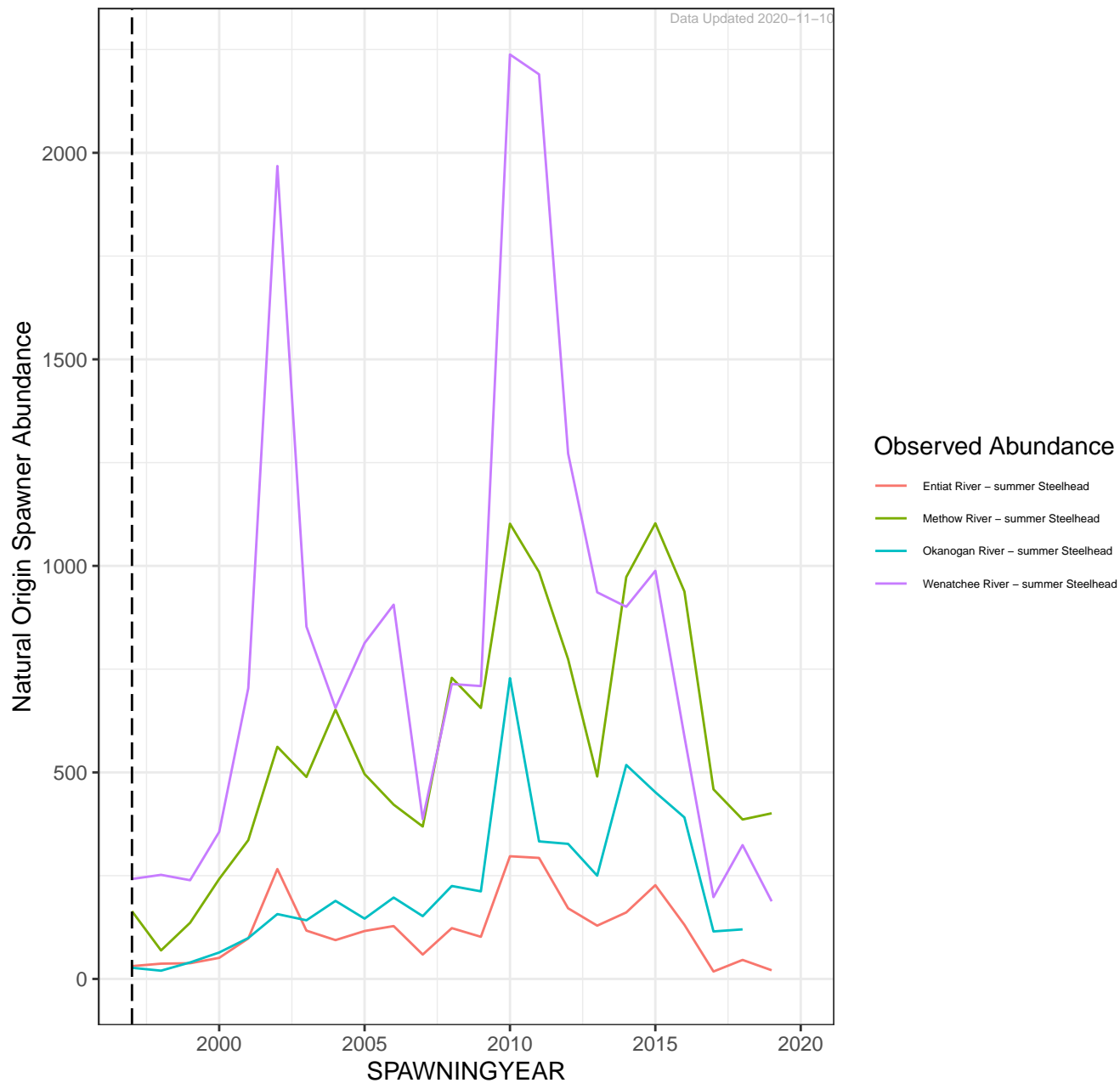
Snake River Basin Steelhead DPS



SPAWNINGYEAR

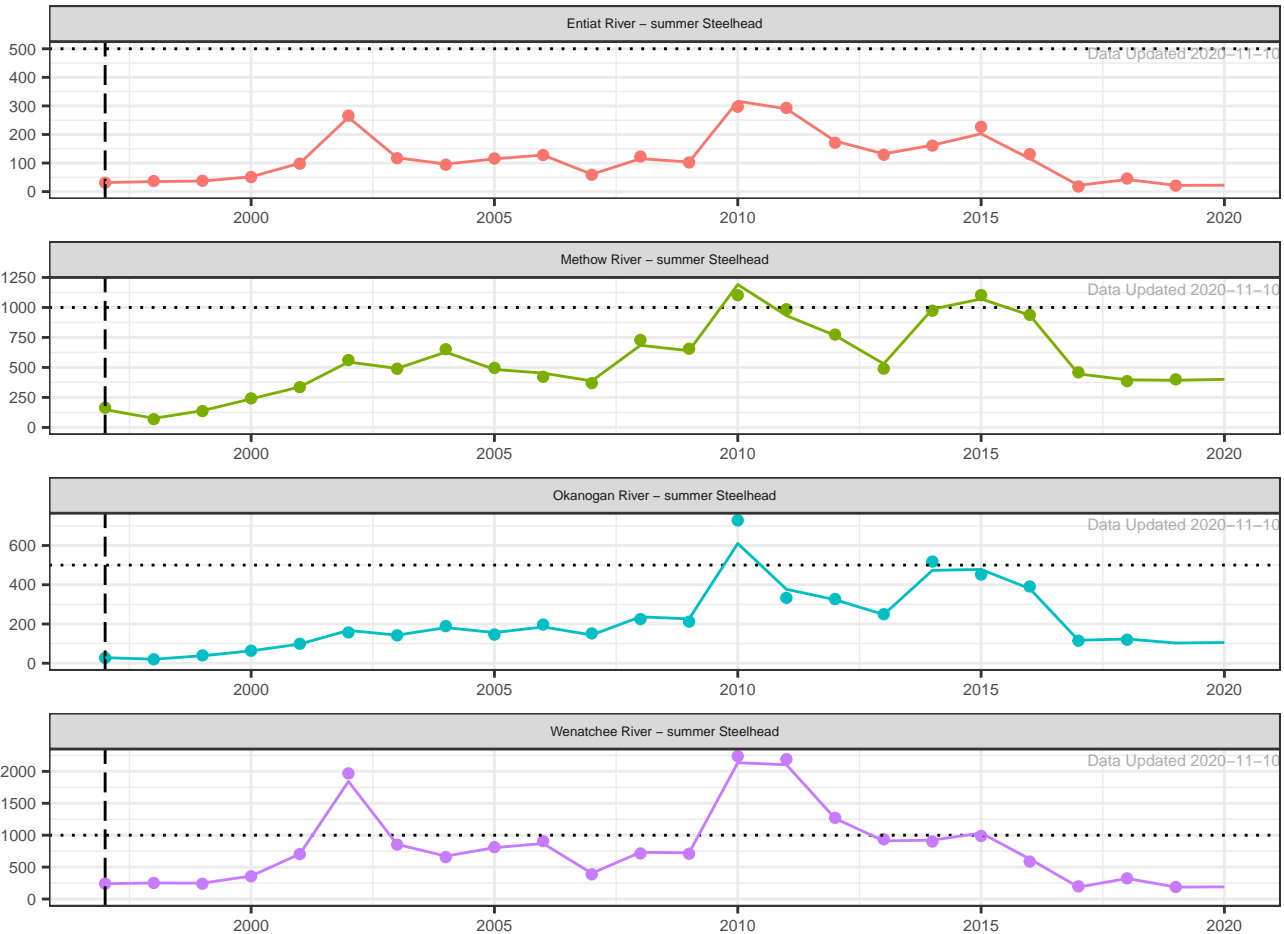
Caption: Observed (points) and smoothed (line) abundance since year of ESA–listing (vertical dashed line). Horizontal dotted line is recovery goal.

Upper Columbia River Steelhead DPS



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.