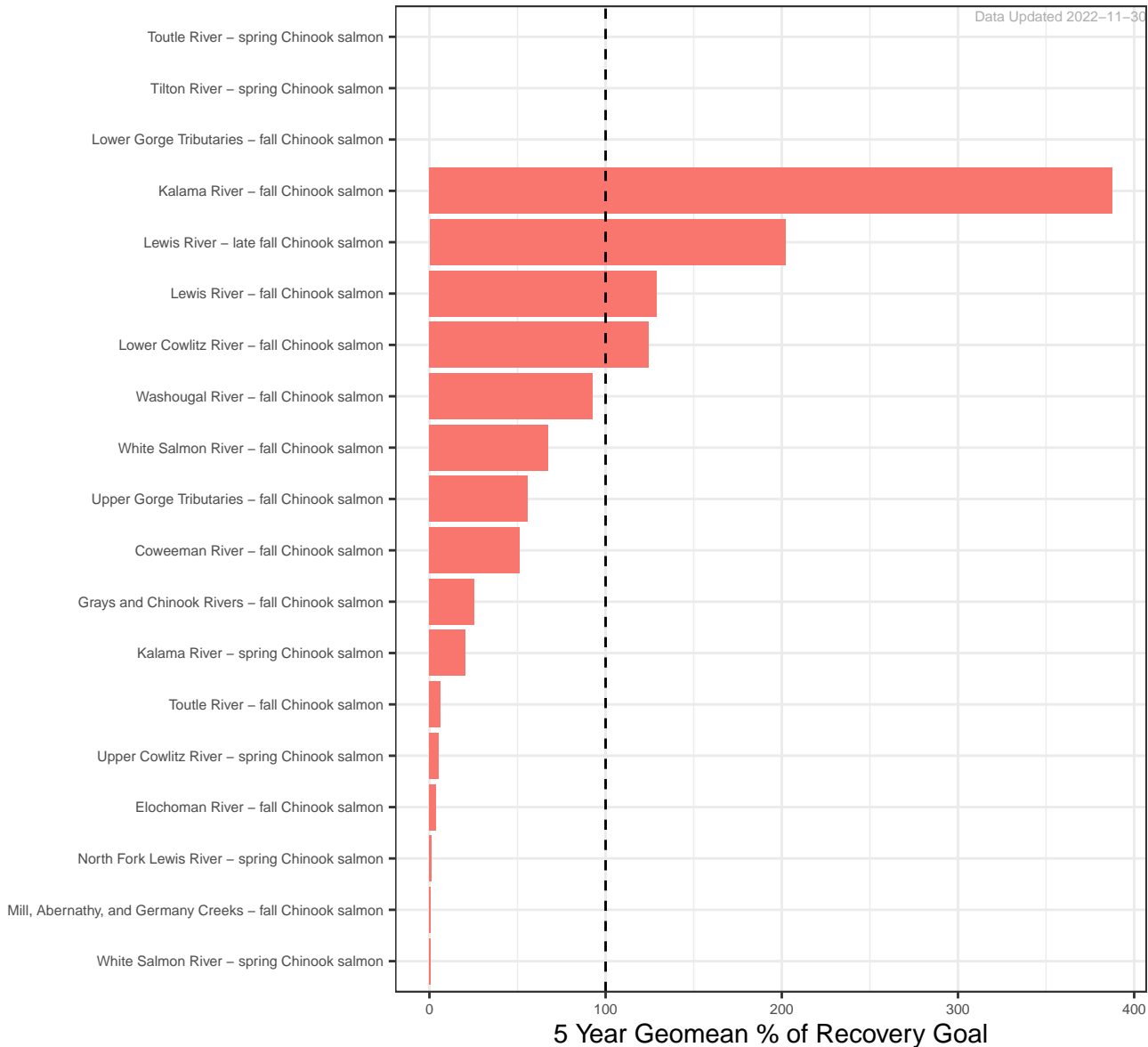
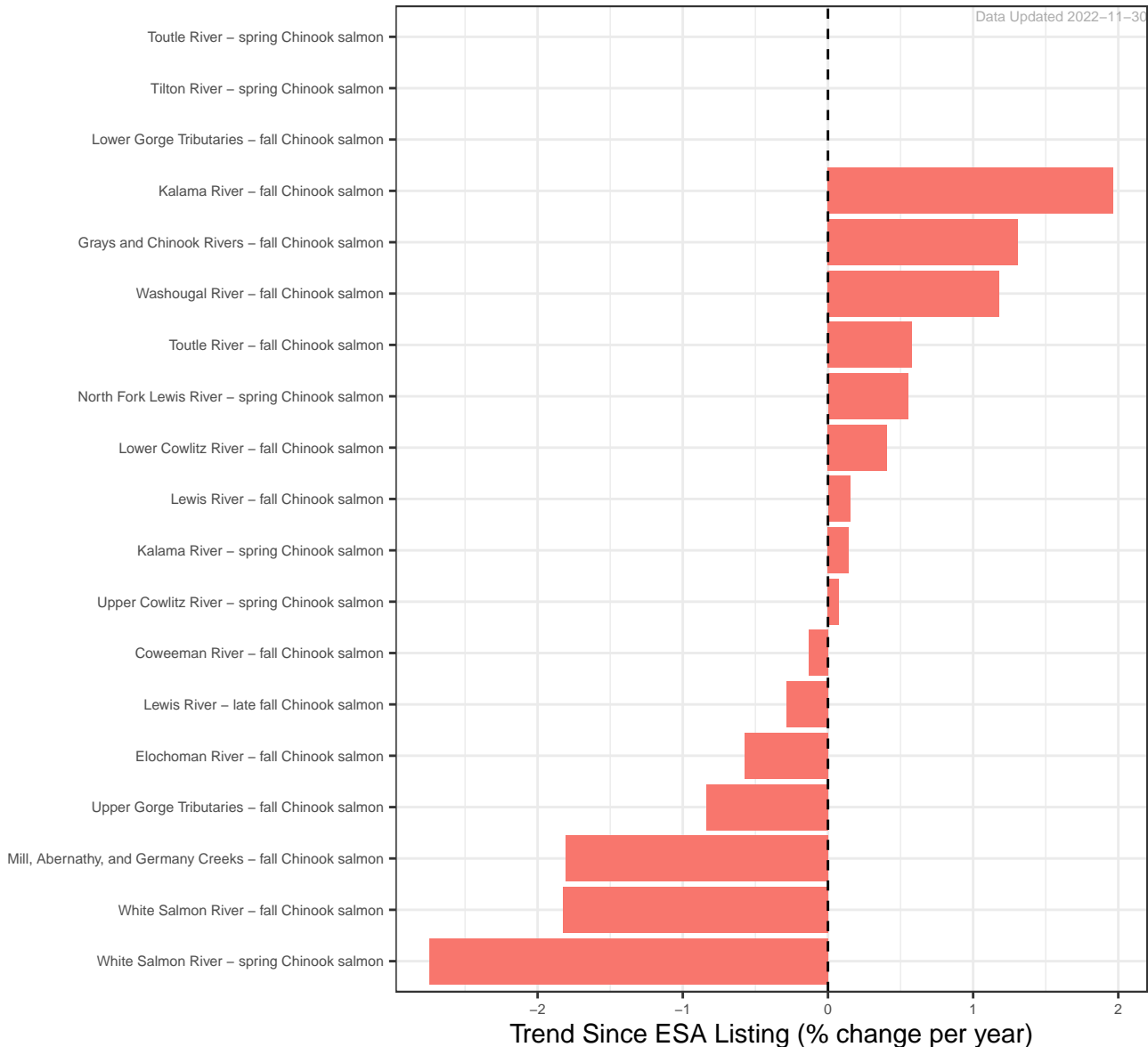


Lower Columbia River Chinook ESU



Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Lower Columbia River Chinook ESU



Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Lower Columbia River Chinook ESU

Natural Origin Spawner Abundance

20000

10000

0

2000

2005

2010

2015

2020

SPAWNINGYEAR

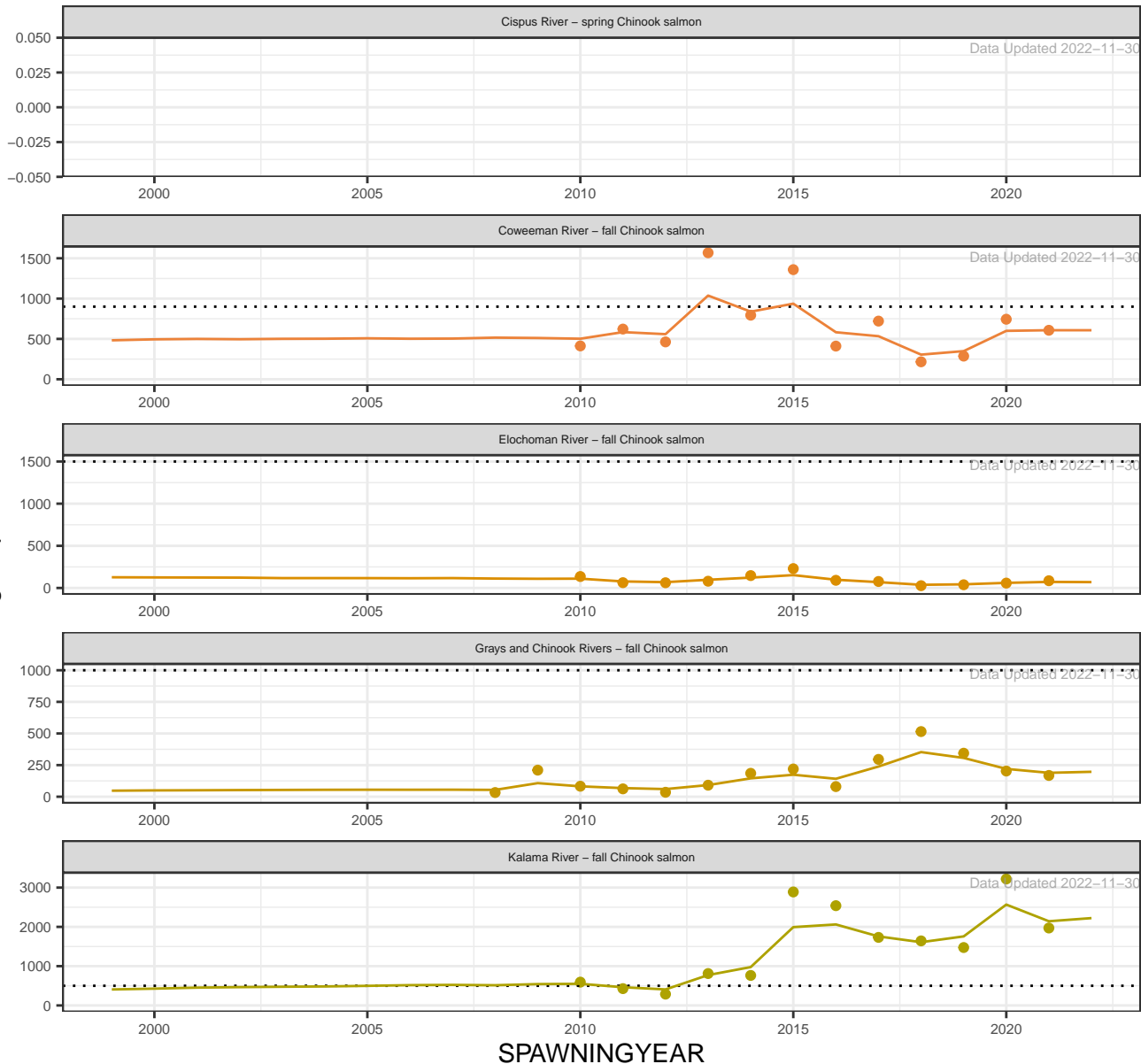
Data Updated 2022-11-30

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

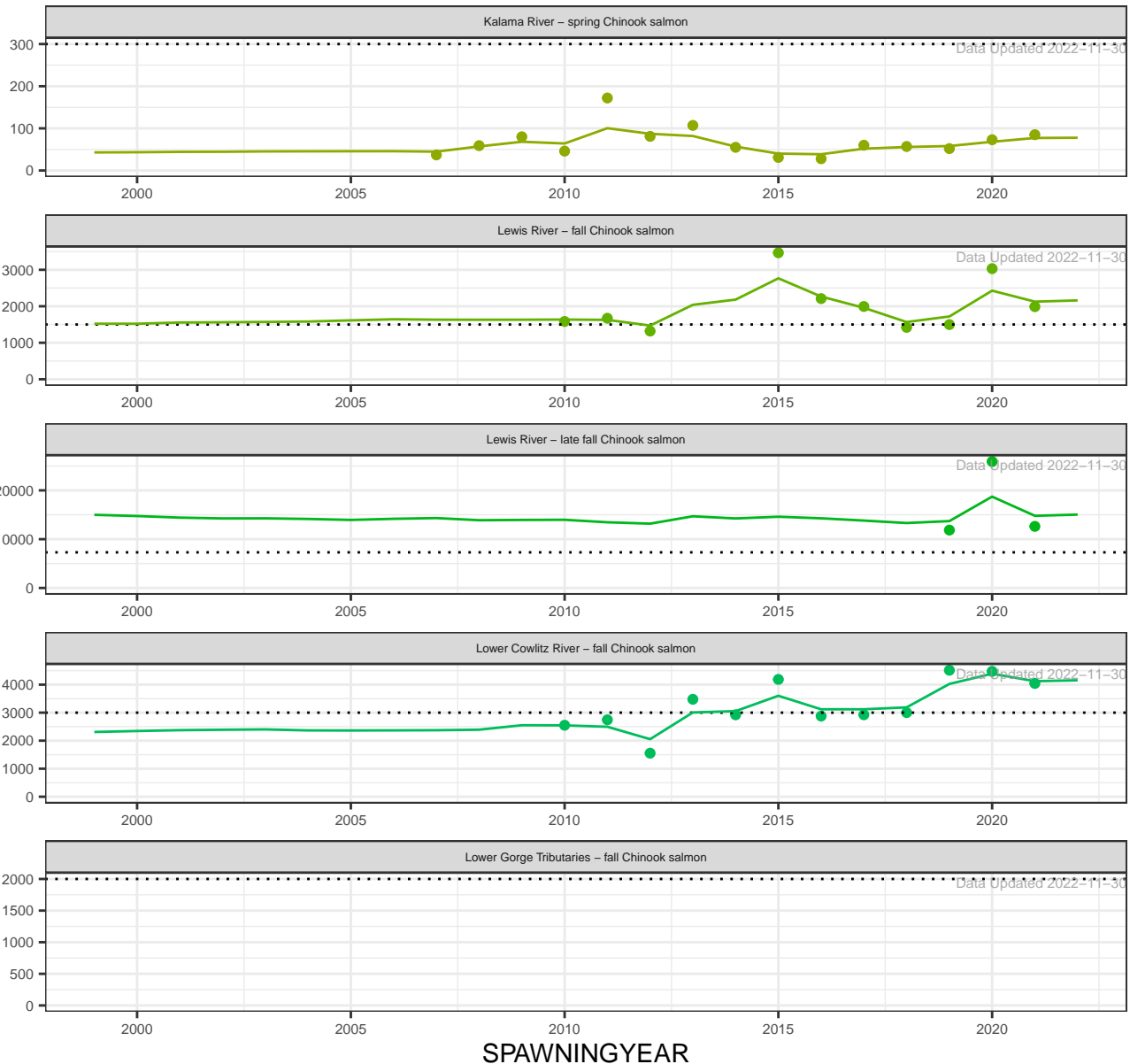
Natural Origin Spawner Abundance



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

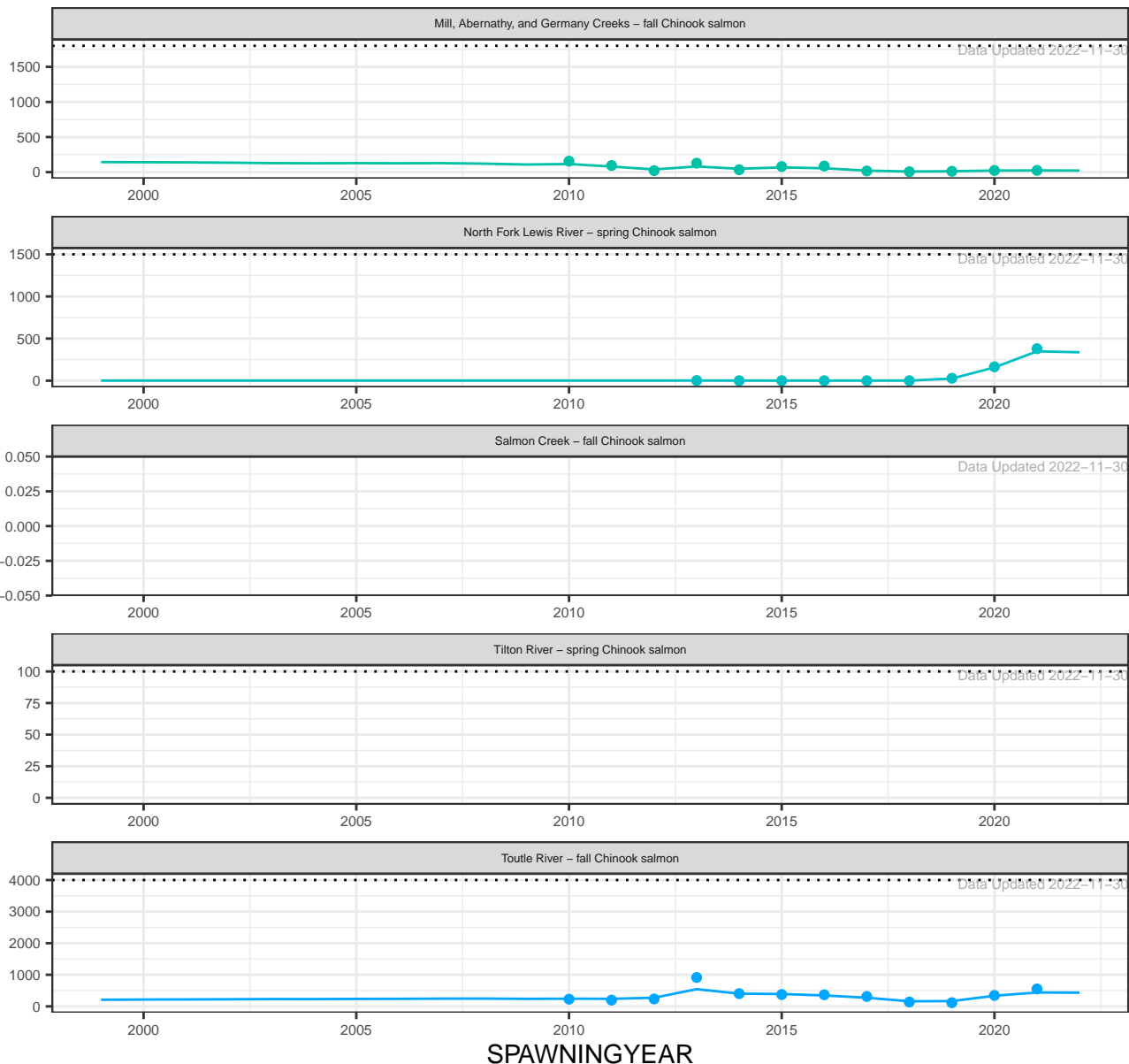
Natural Origin Spawner Abundance



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

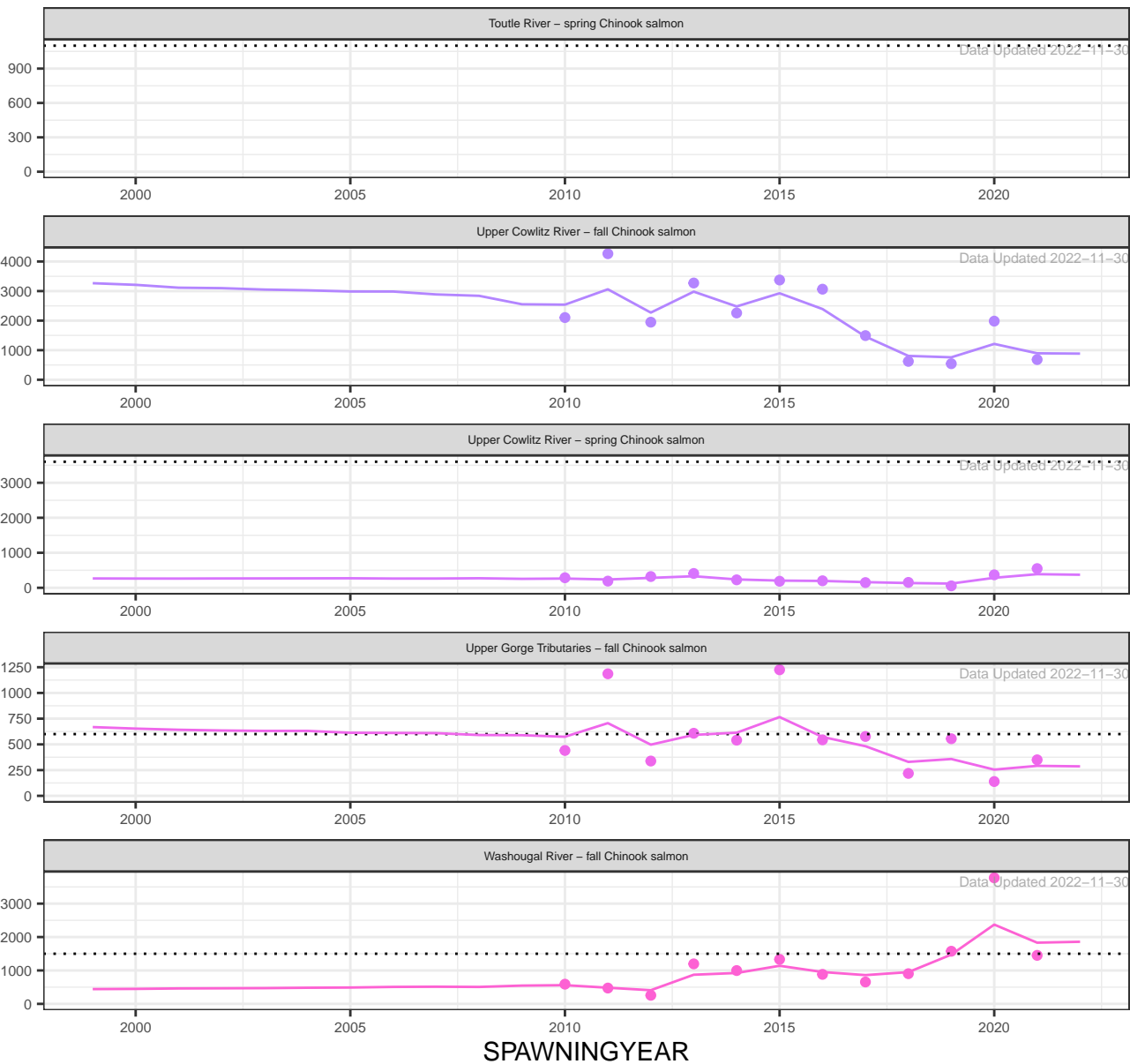
Natural Origin Spawner Abundance



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

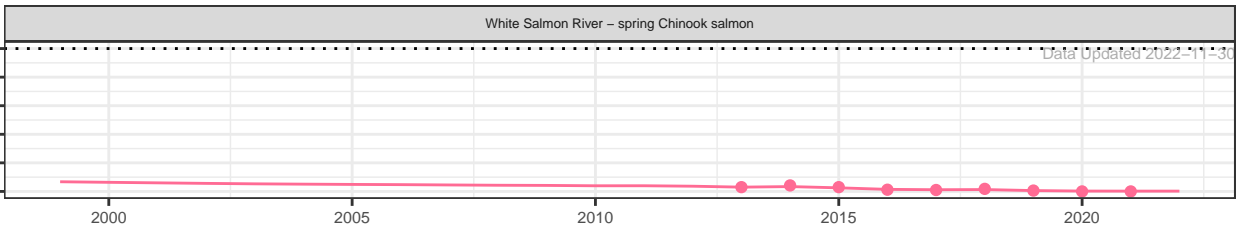
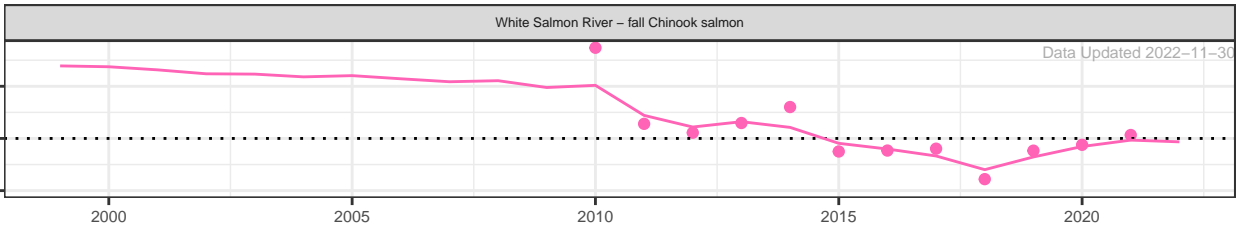
Natural Origin Spawner Abundance



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

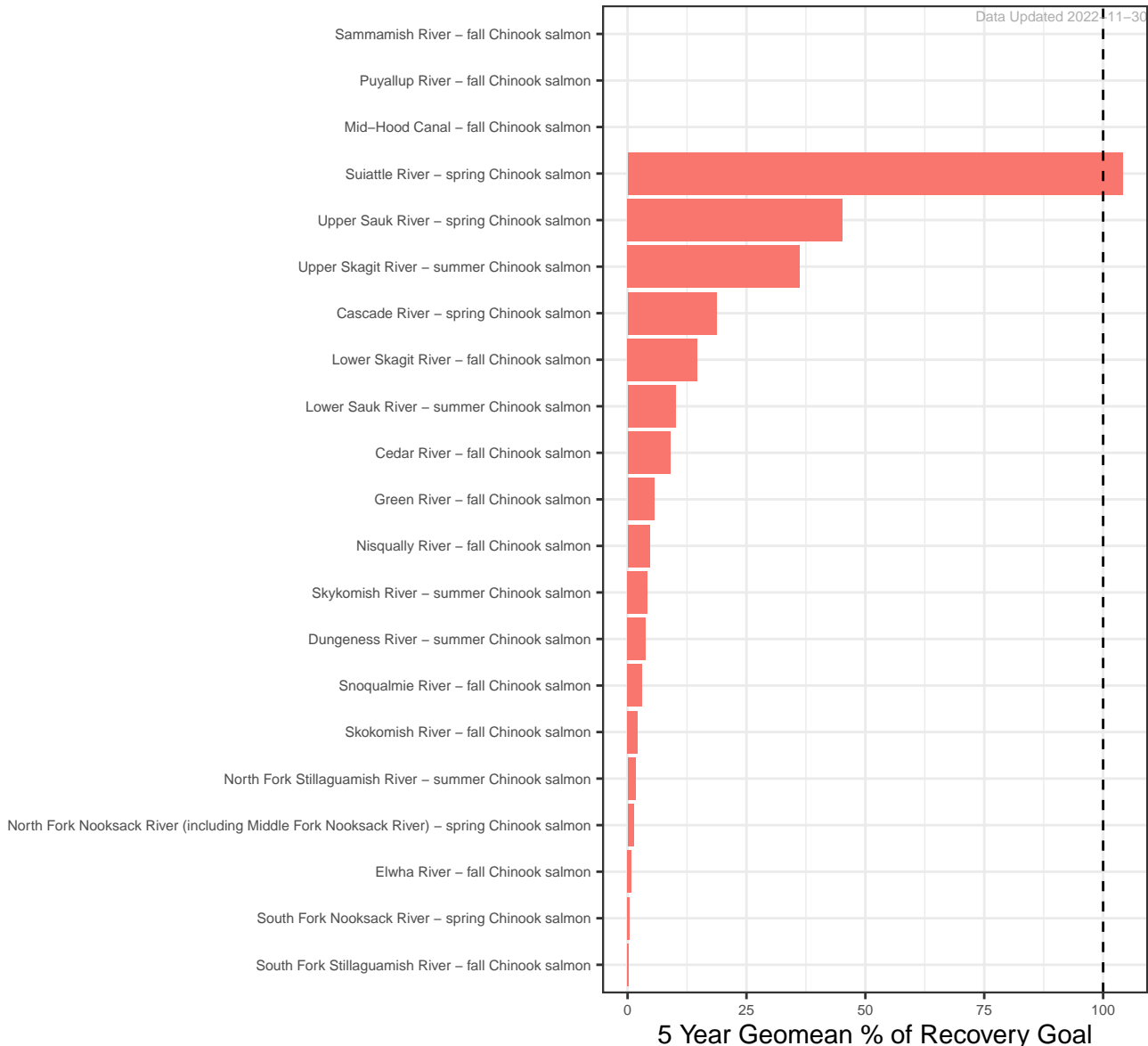
Natural Origin Spawner Abundance



SPAWNINGYEAR

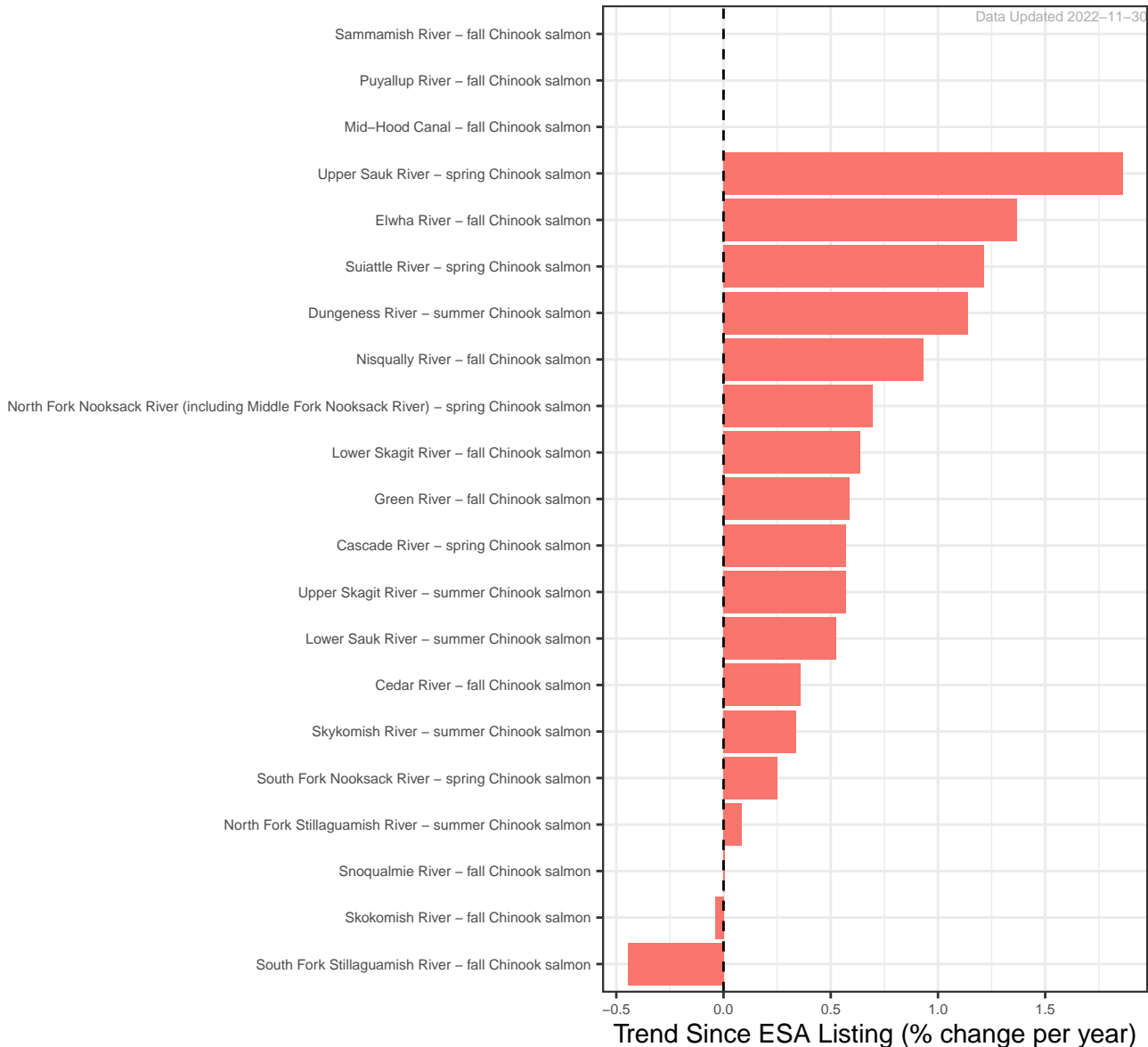
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Puget Sound Chinook ESU



Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals. Populations with no bars had no usable data.

Puget Sound Chinook ESU

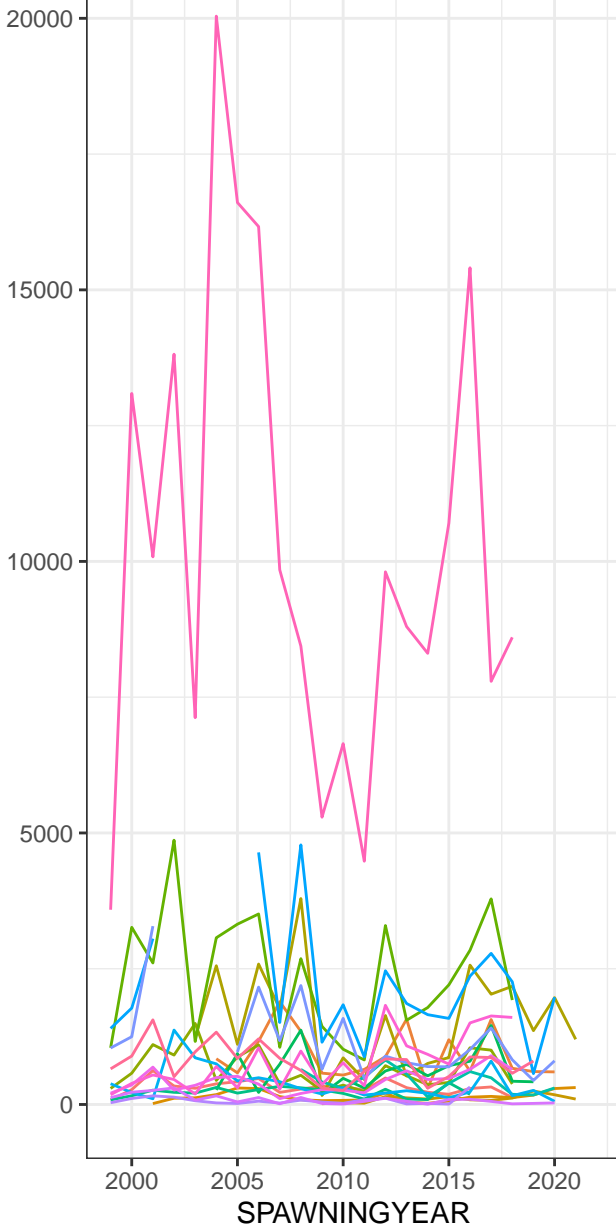


Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Puget Sound Chinook ESU

Natural Origin Spawner Abundance

Data Updated 2022-11-30

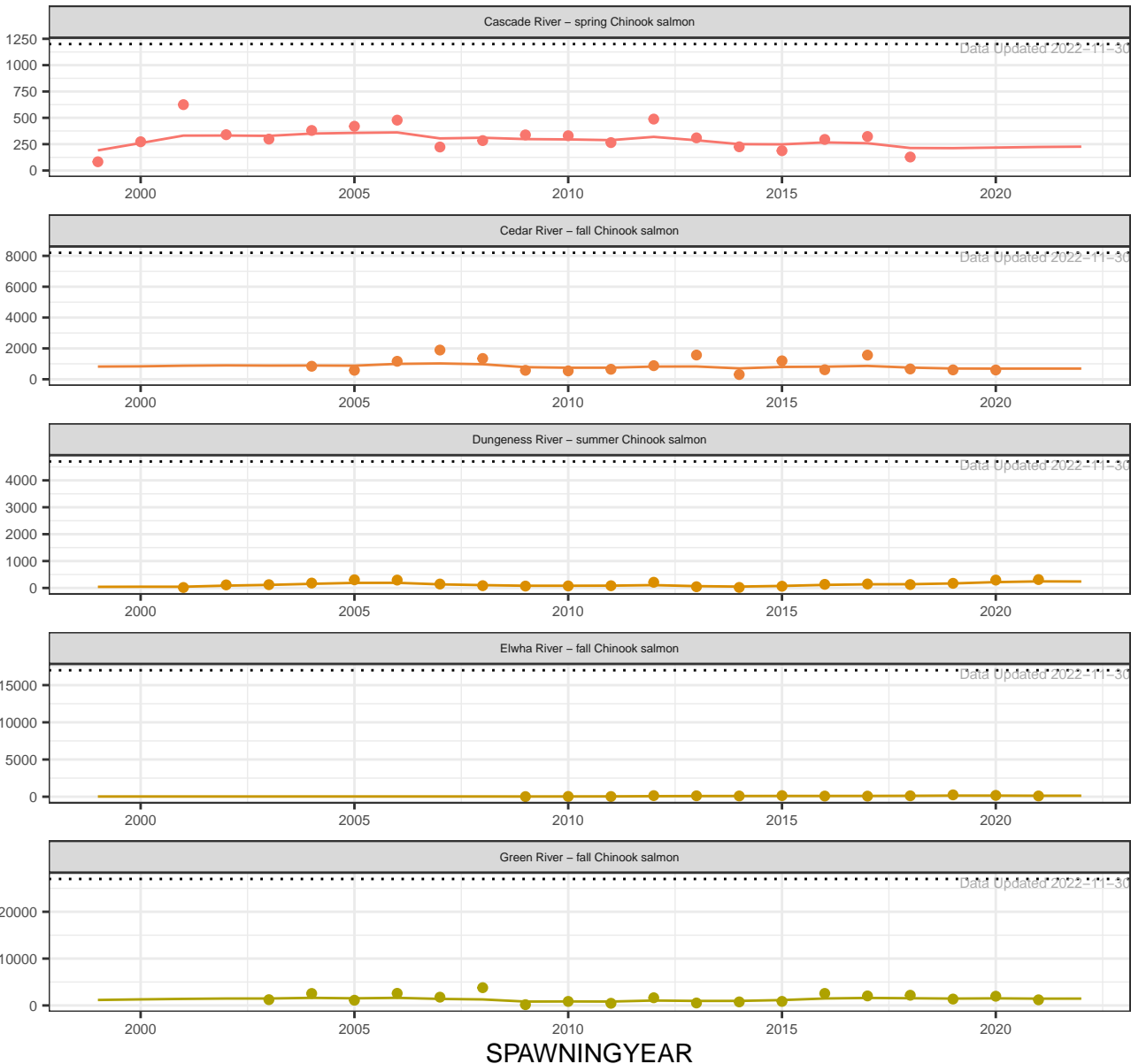


Observed Abundance

- 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

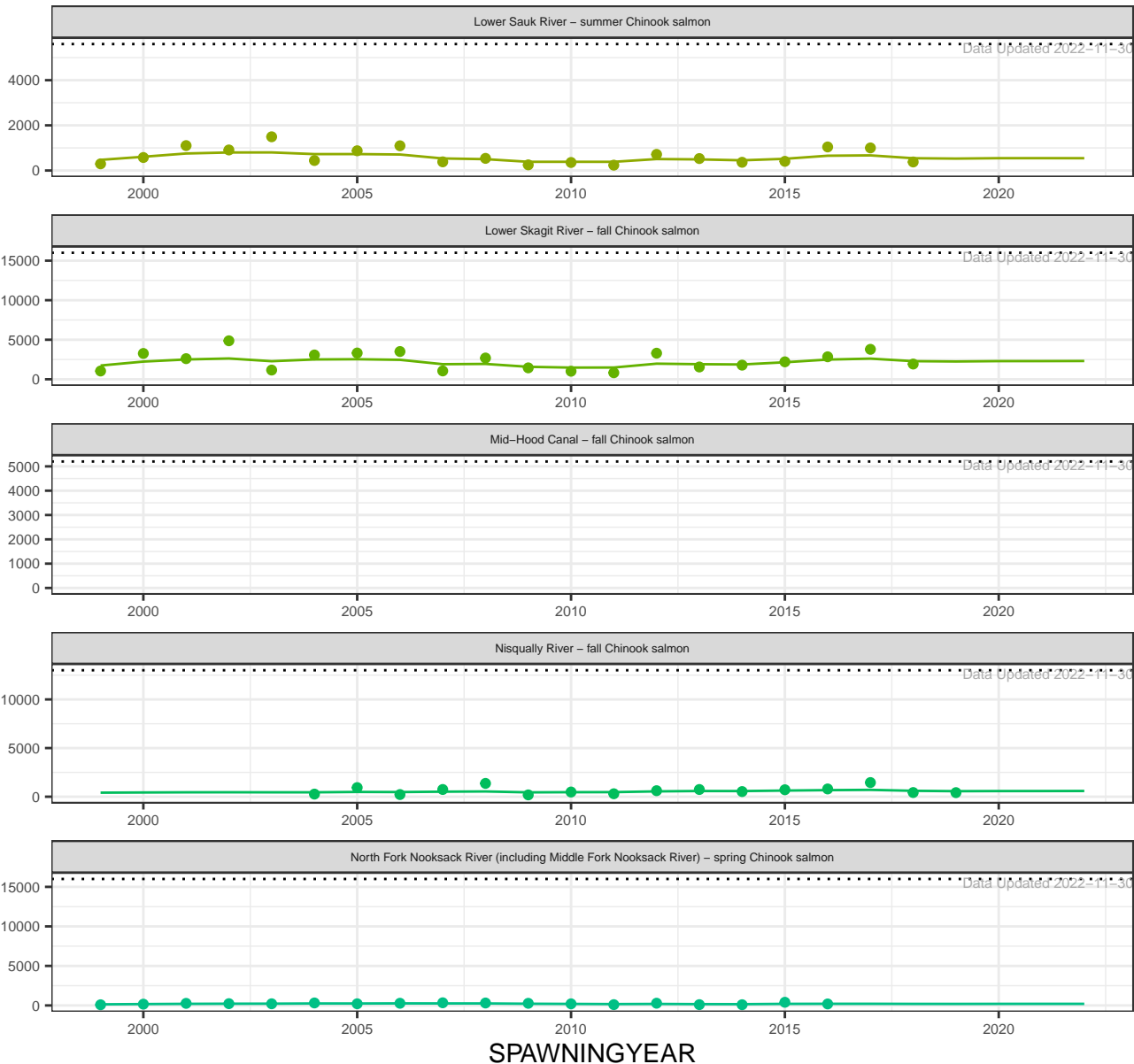
Natural Origin Spawner Abundance



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

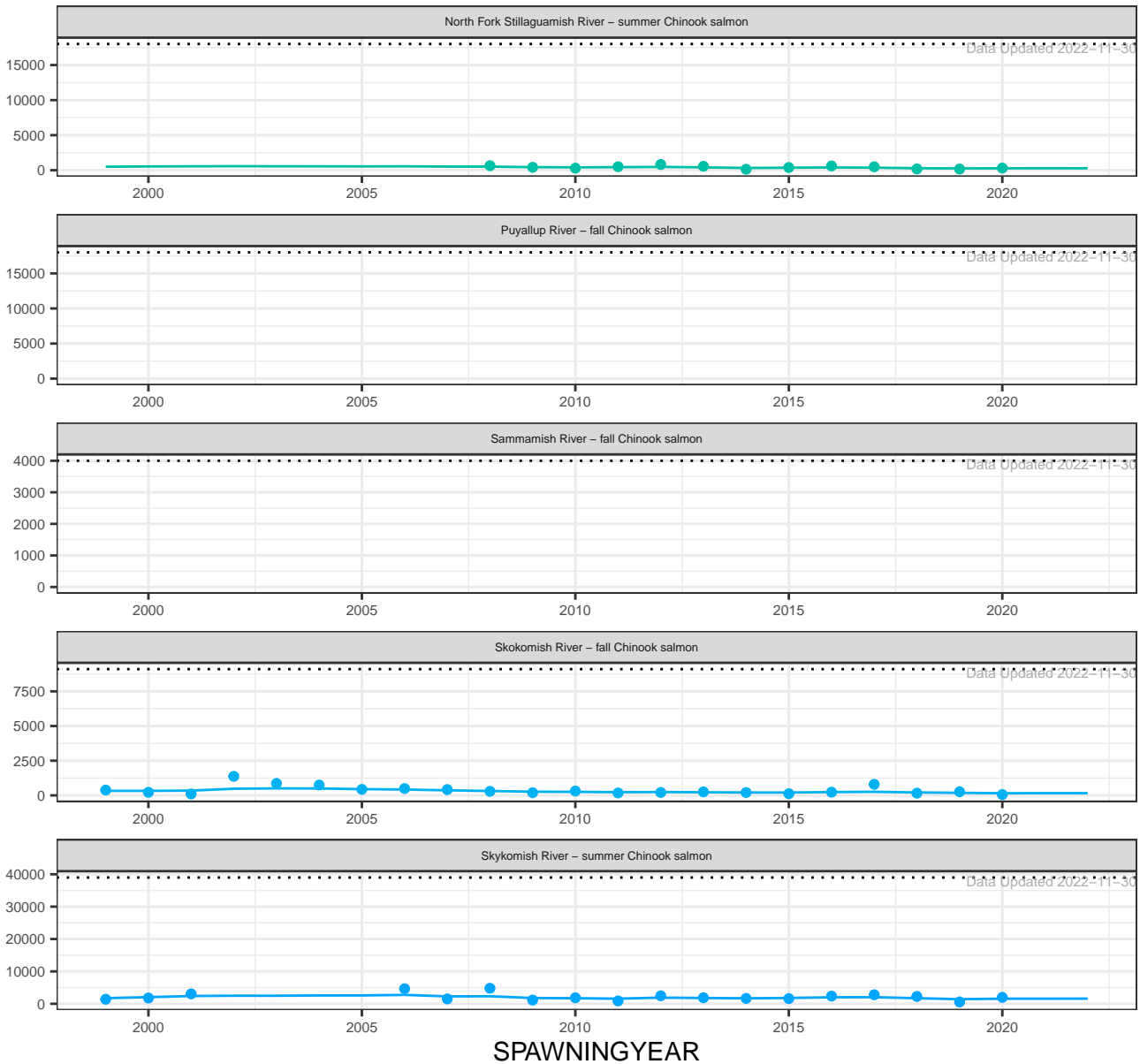
Natural Origin Spawner Abundance



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

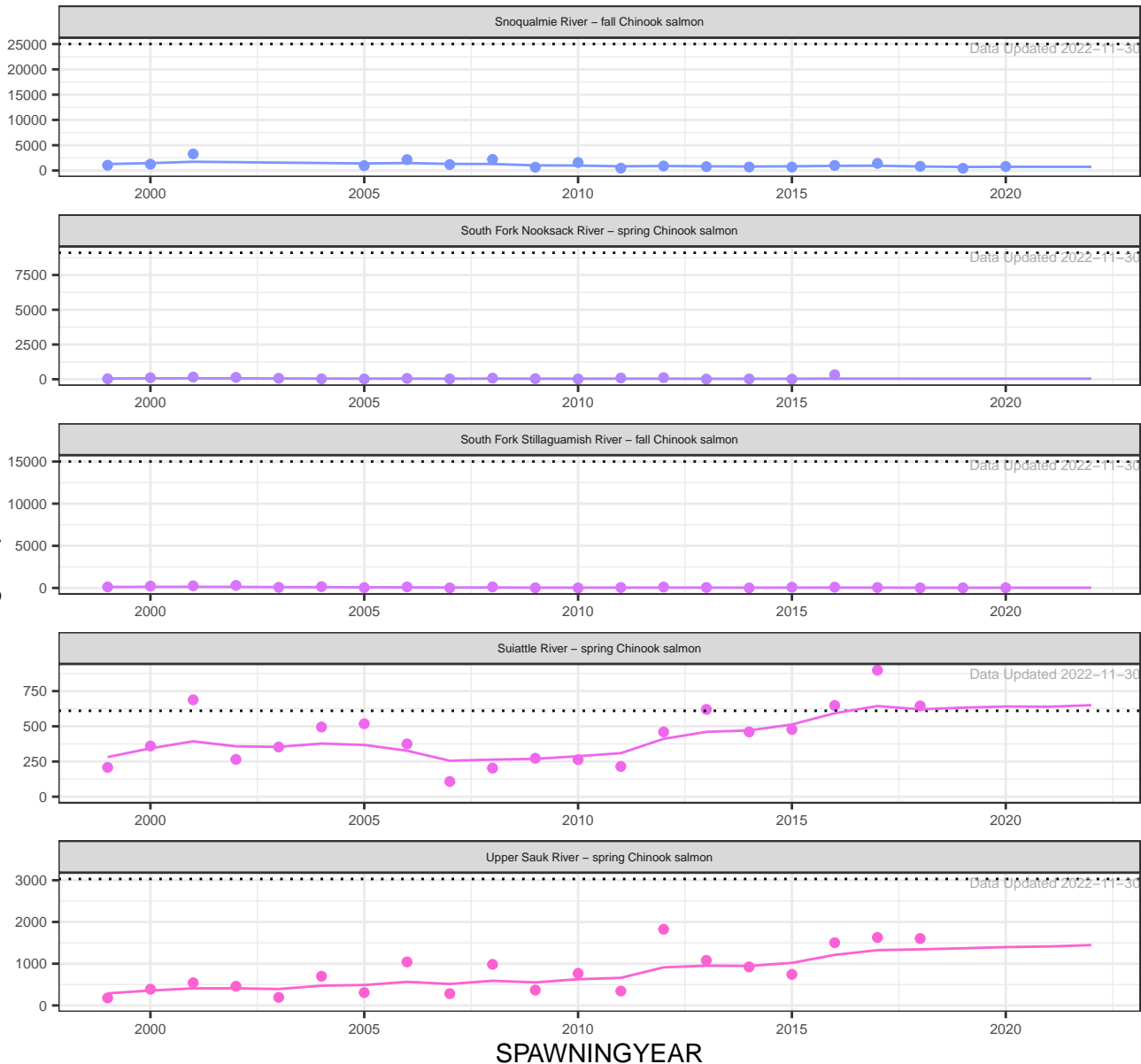
Natural Origin Spawner Abundance



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

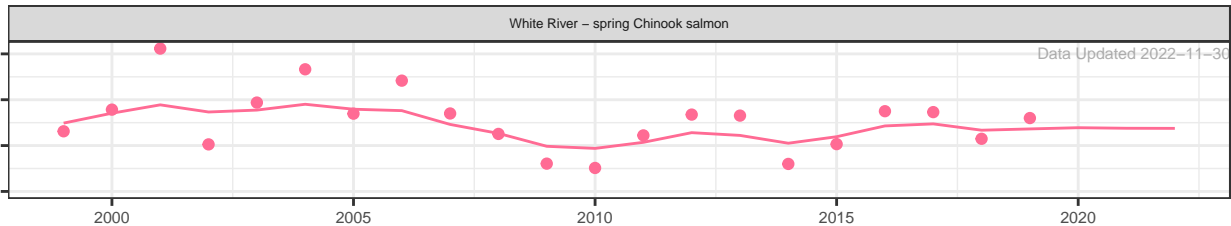
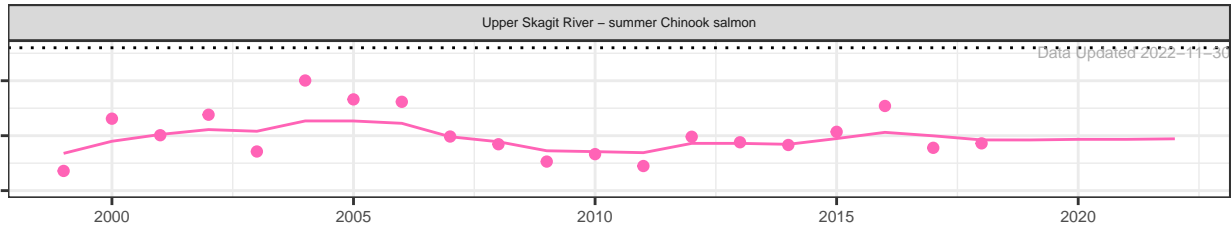
Natural Origin Spawner Abundance



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

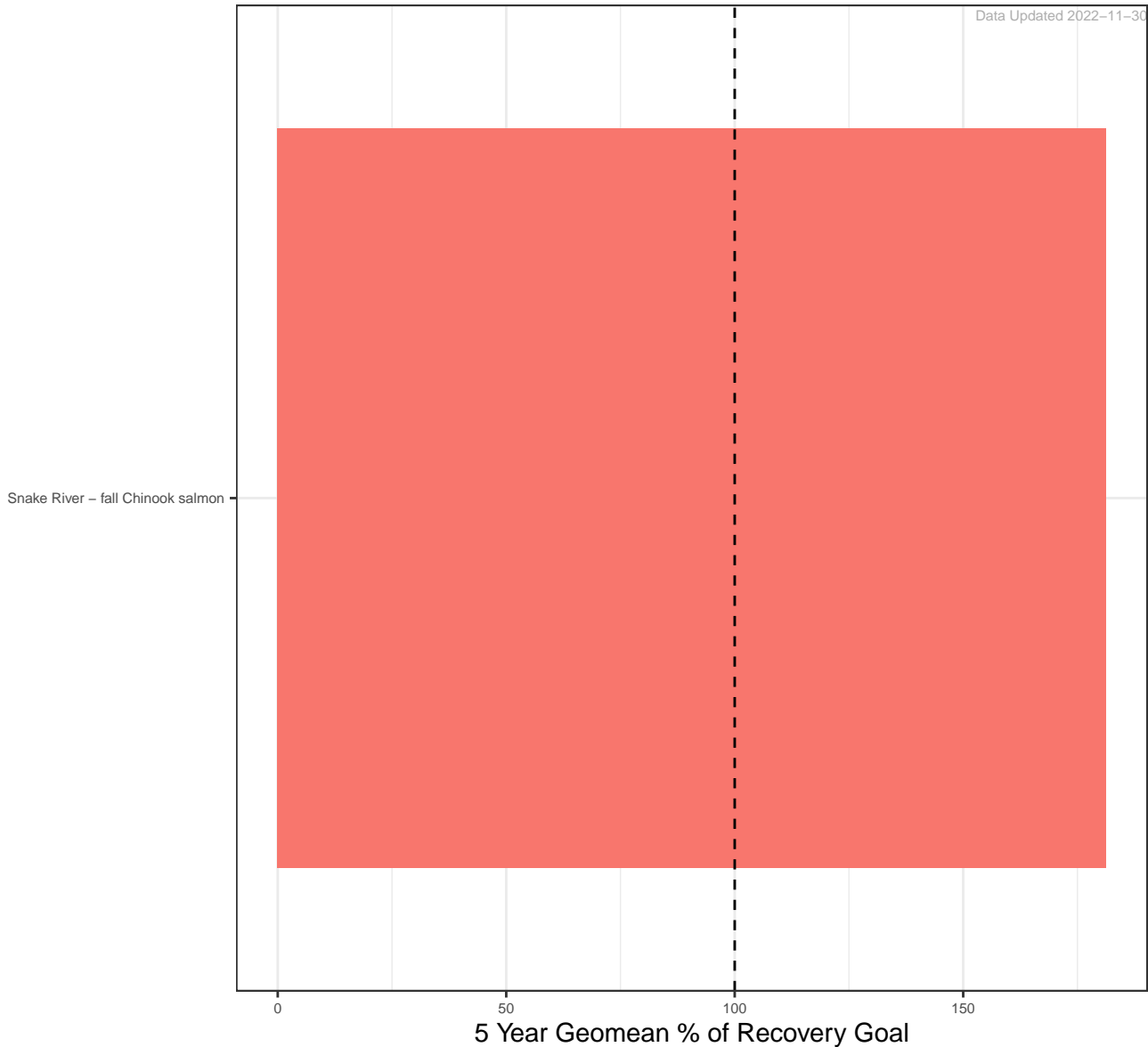
Natural Origin Spawner Abundance



SPAWNINGYEAR

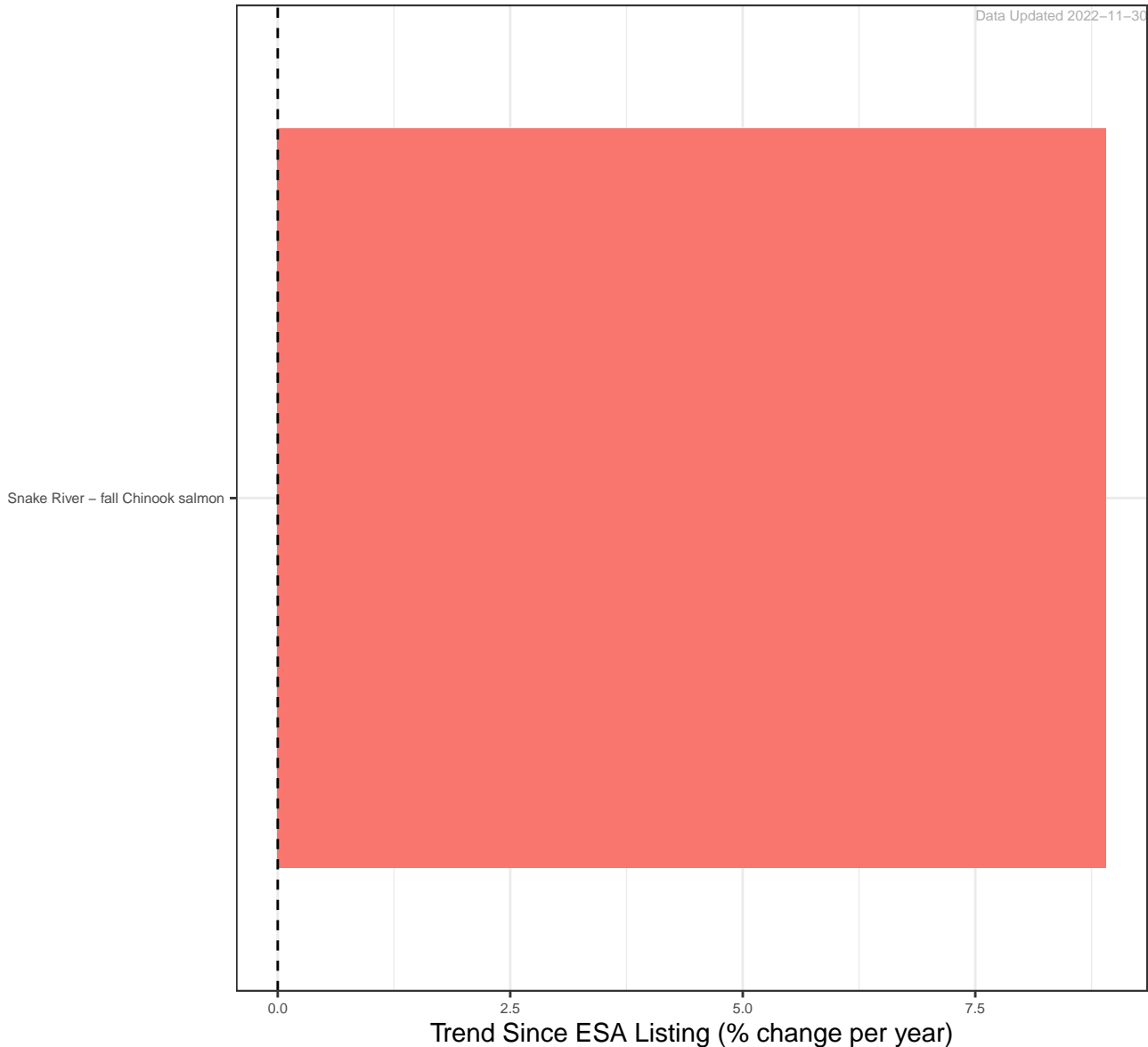
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Snake River Fall Chinook ESU



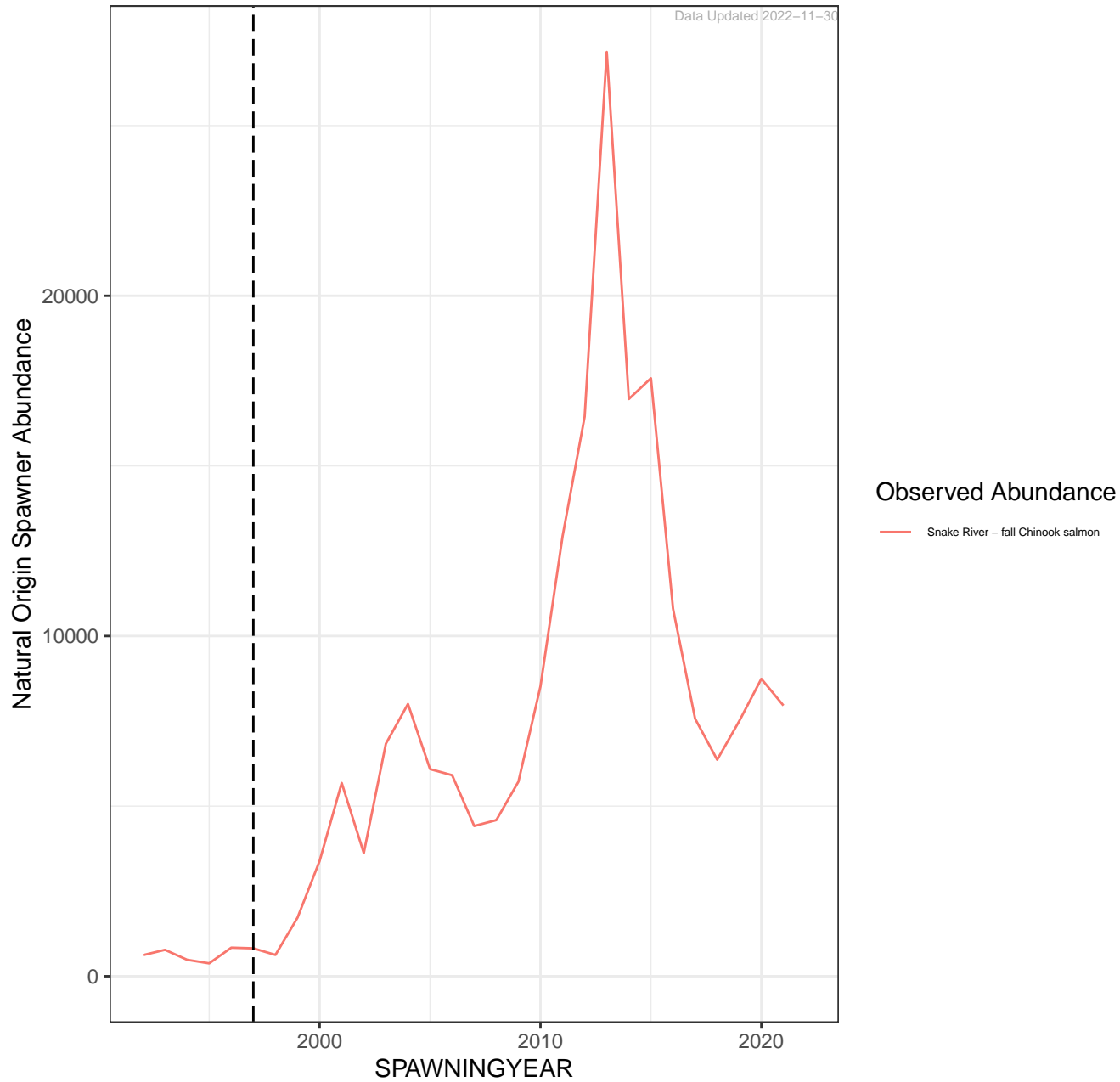
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Snake River Fall Chinook ESU

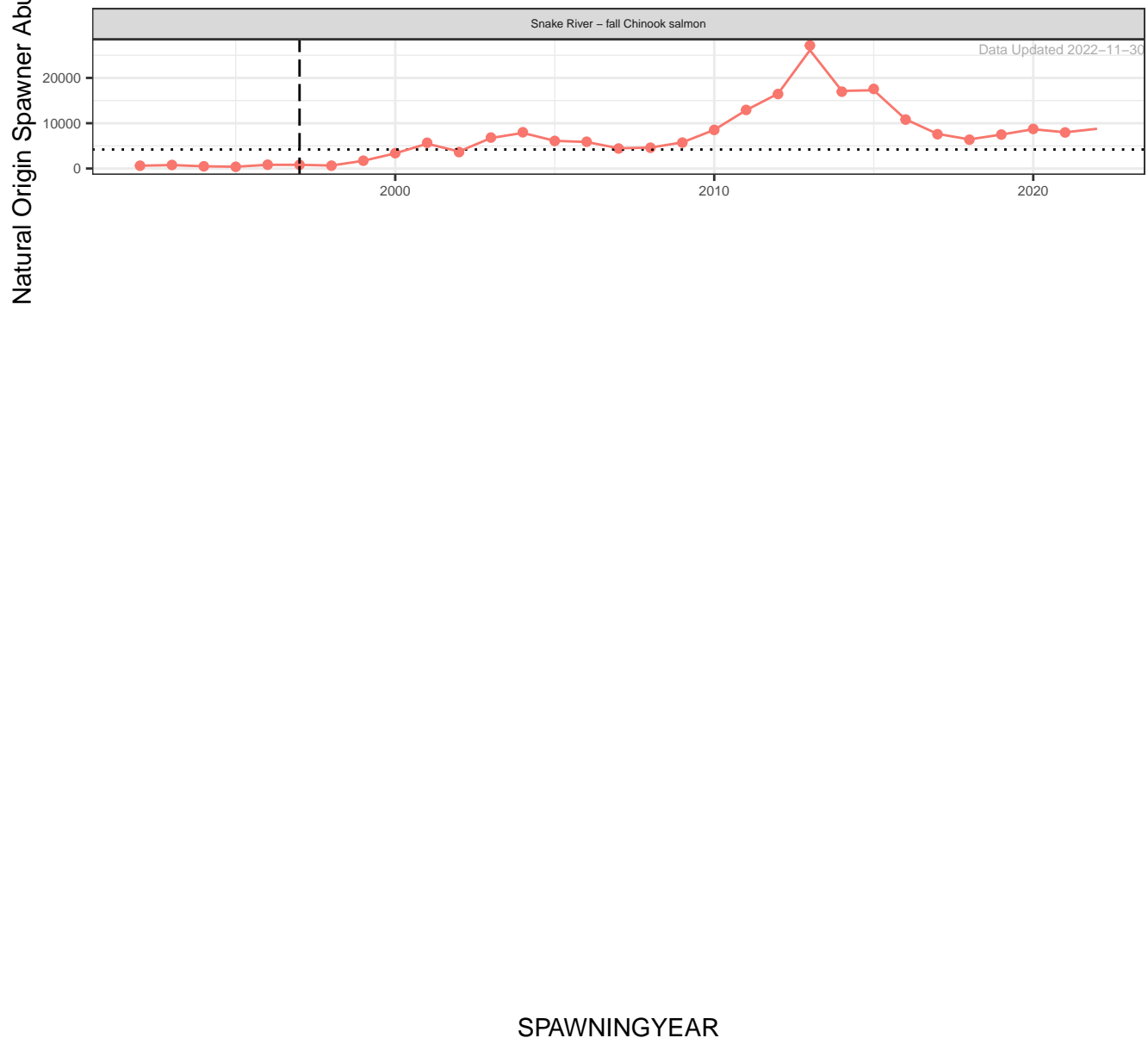


Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Snake River Fall Chinook ESU

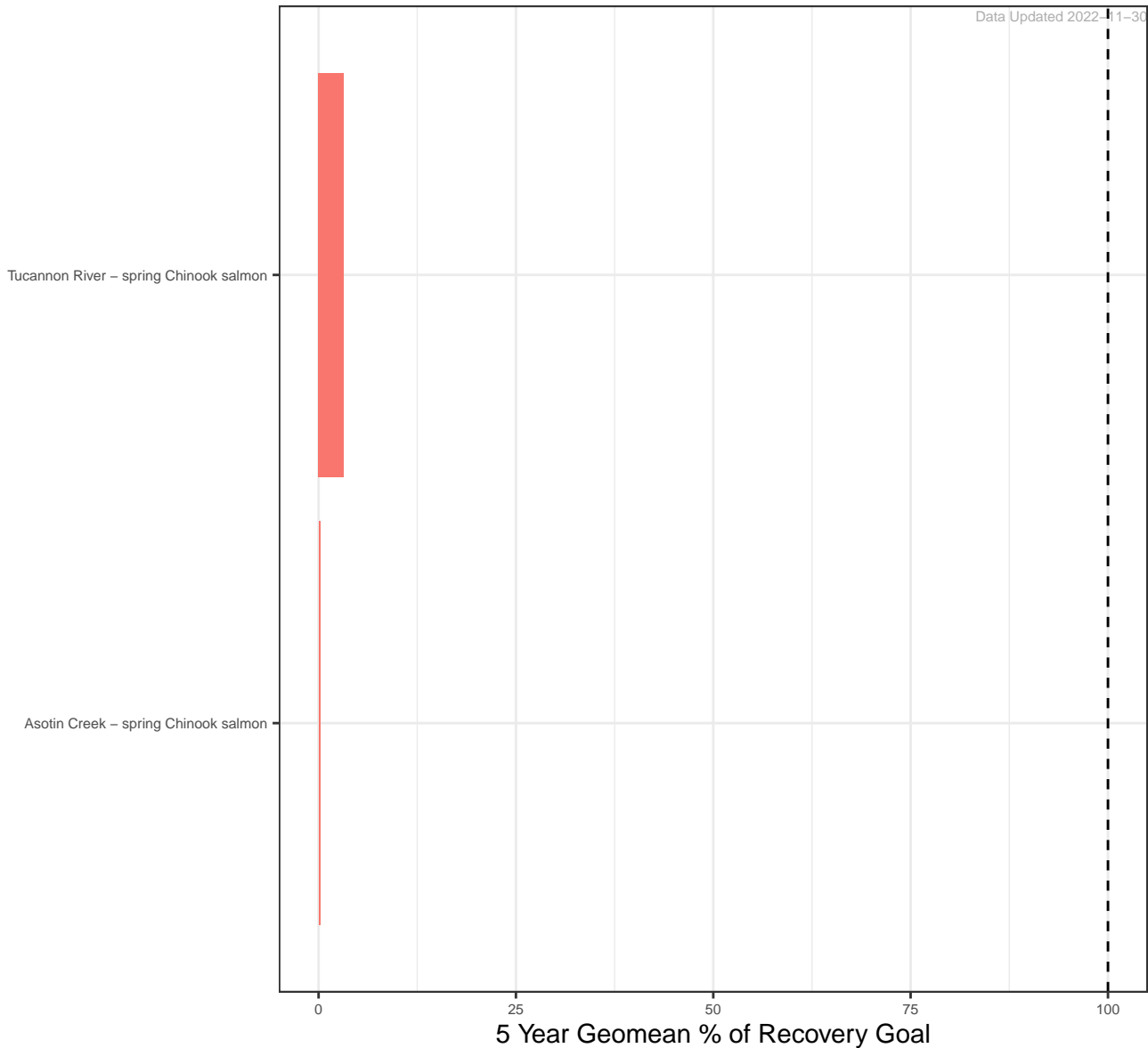


Snake River Fall Chinook ESU



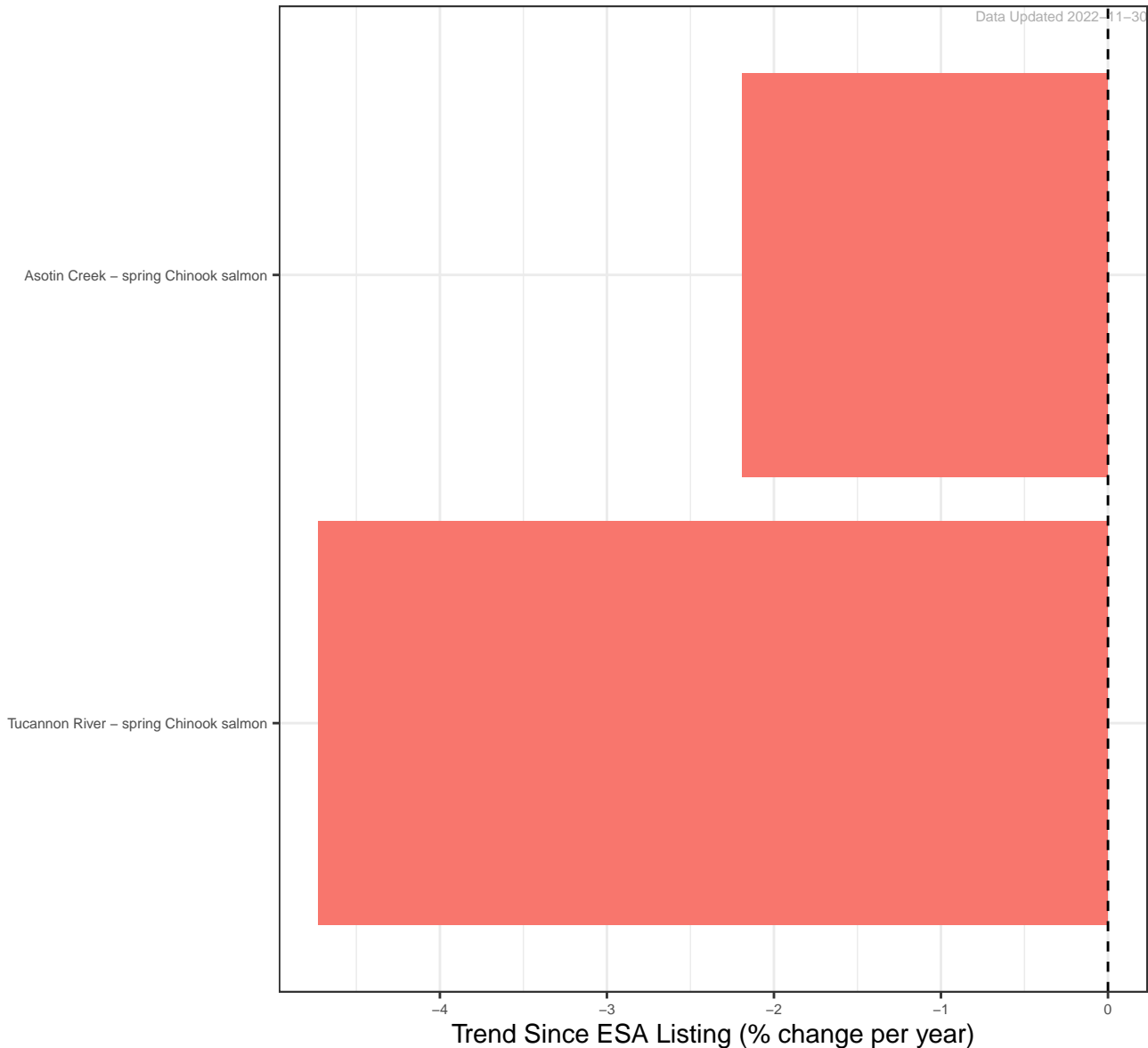
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Snake River Spring/Summer Chinook ESU



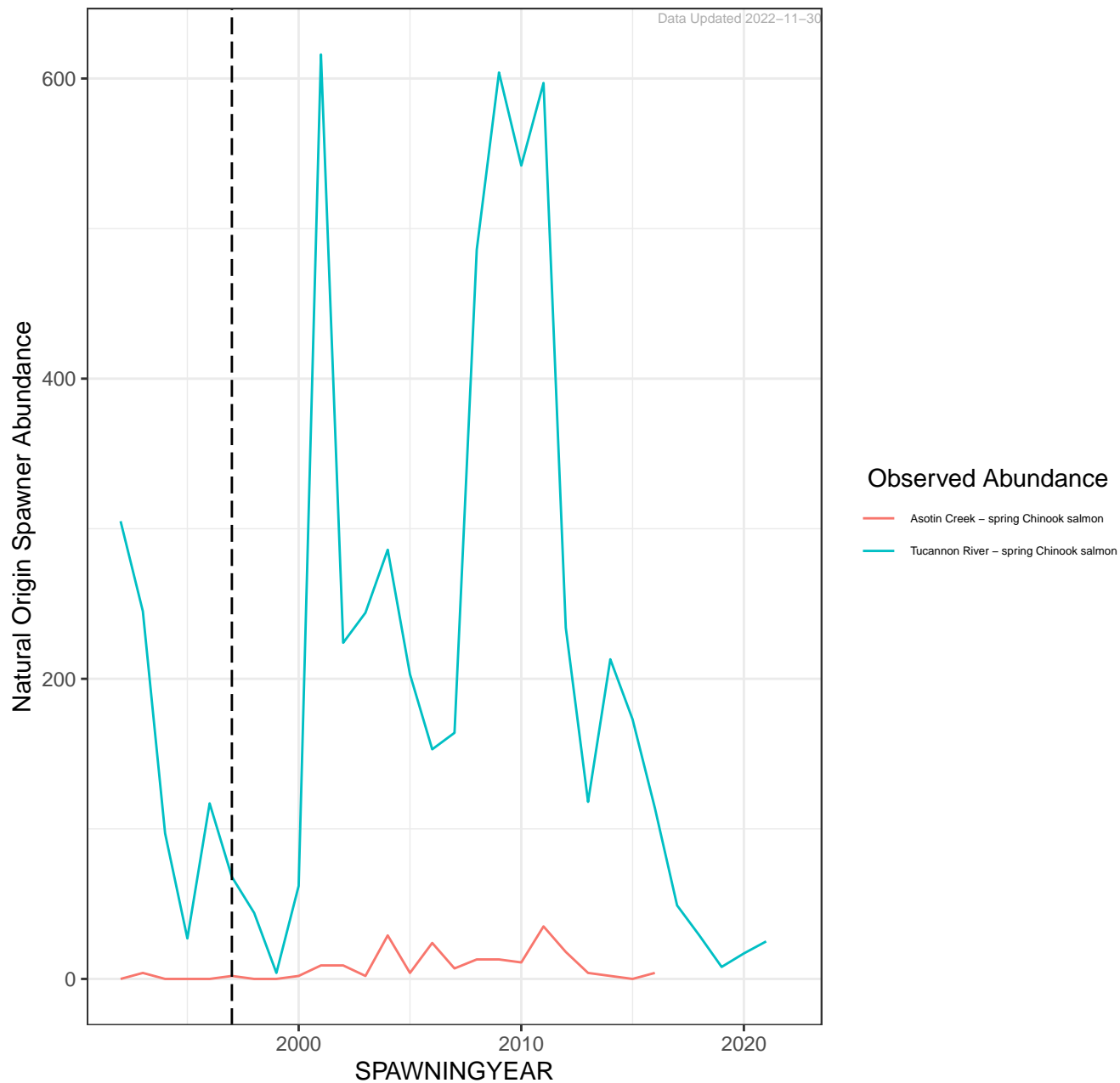
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Snake River Spring/Summer Chinook ESU



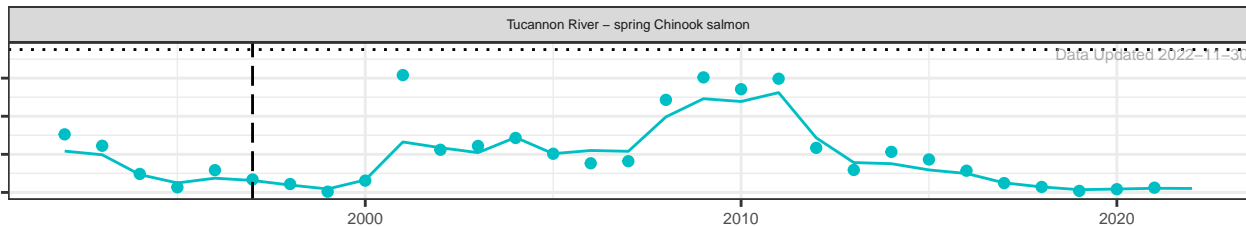
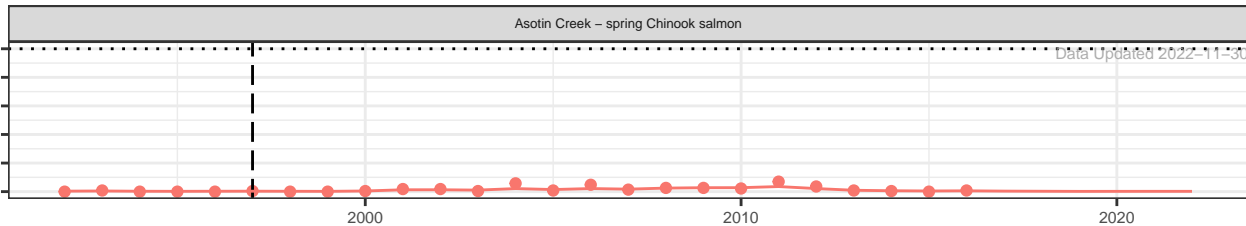
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Snake River Spring/Summer Chinook ESU



Snake River Spring/Summer Chinook ESU

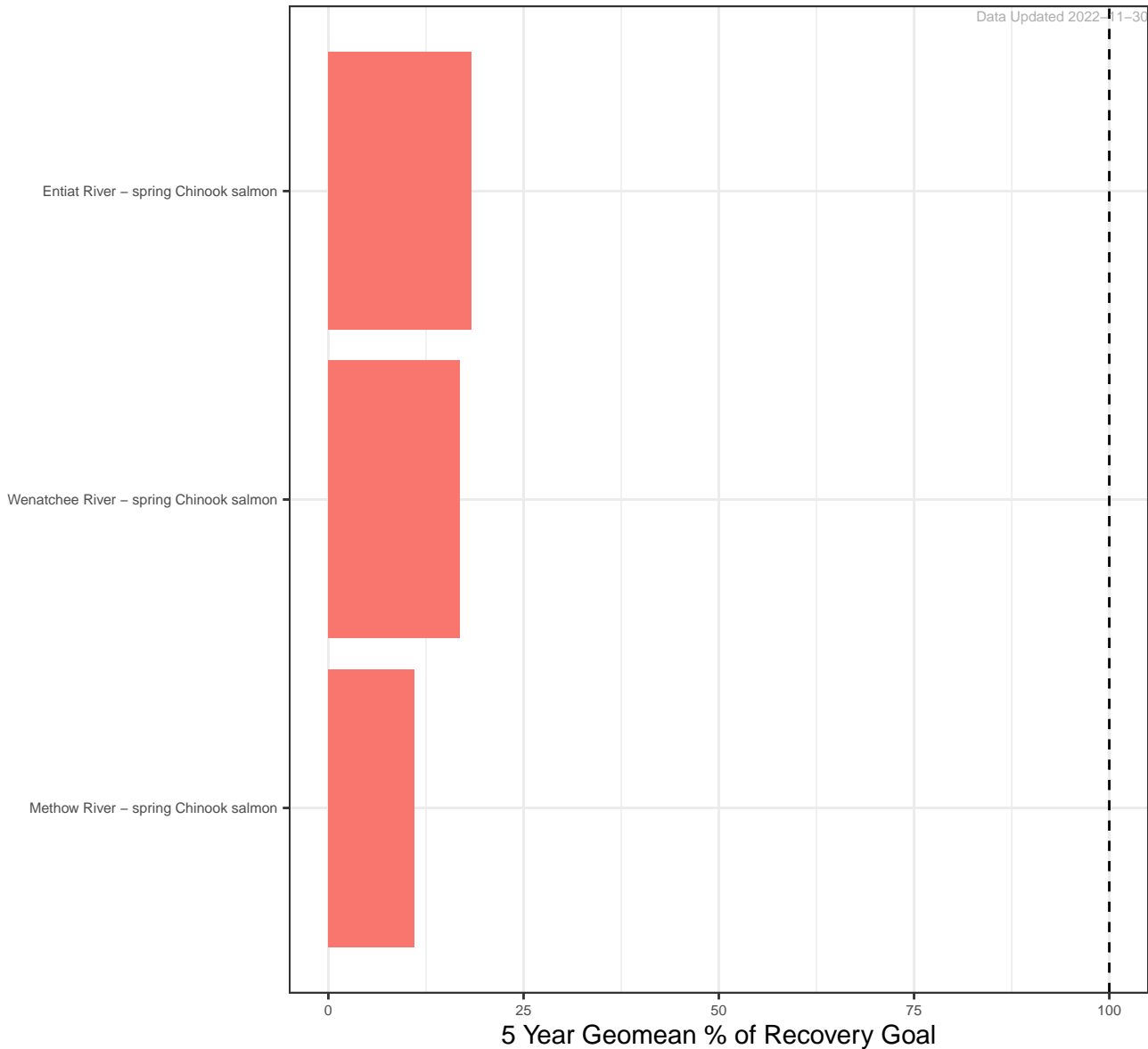
Natural Origin Spawner Abundance



SPAWNINGYEAR

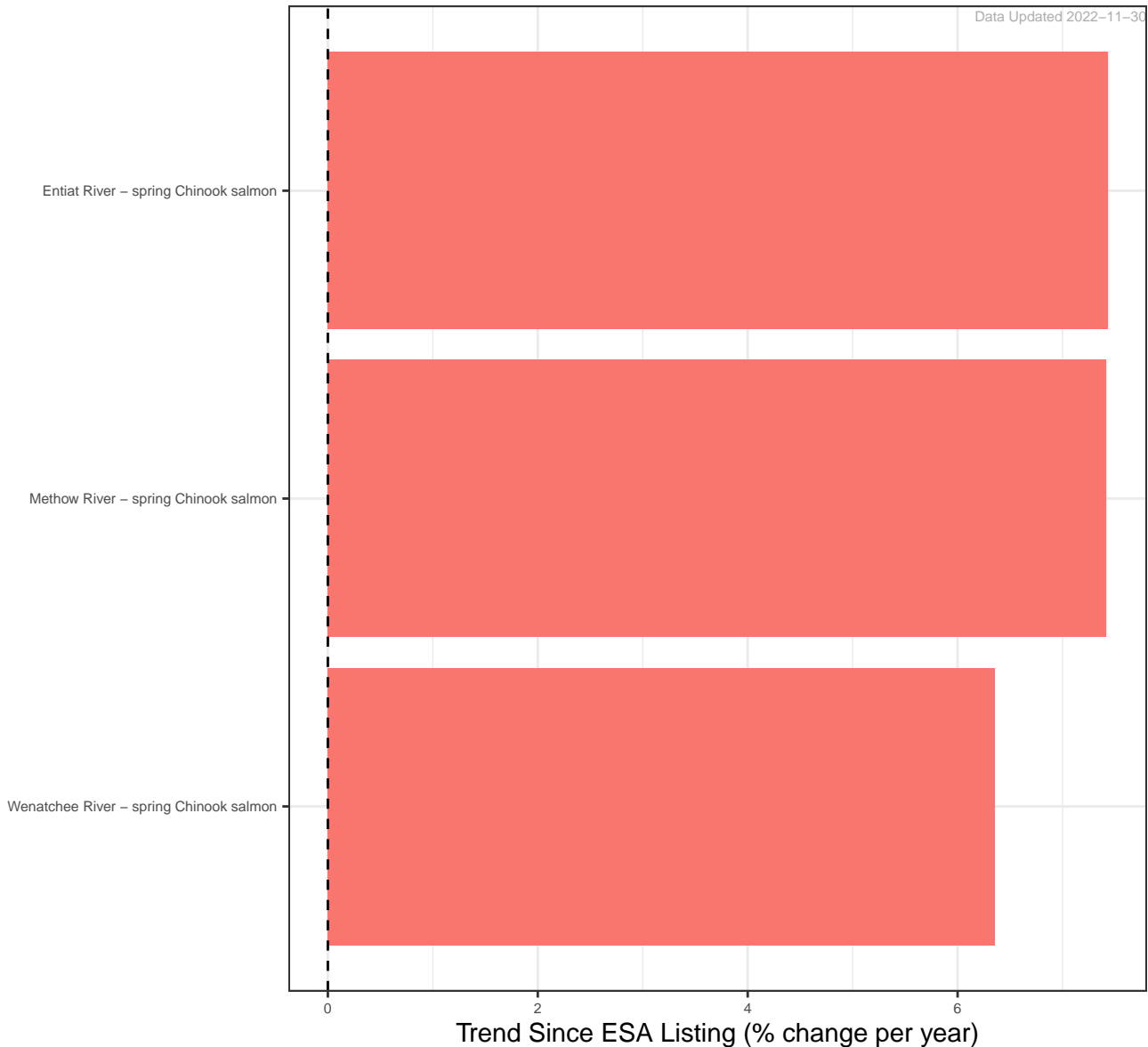
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Upper Columbia River Spring Chinook ESU



Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Upper Columbia River Spring Chinook ESU



Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

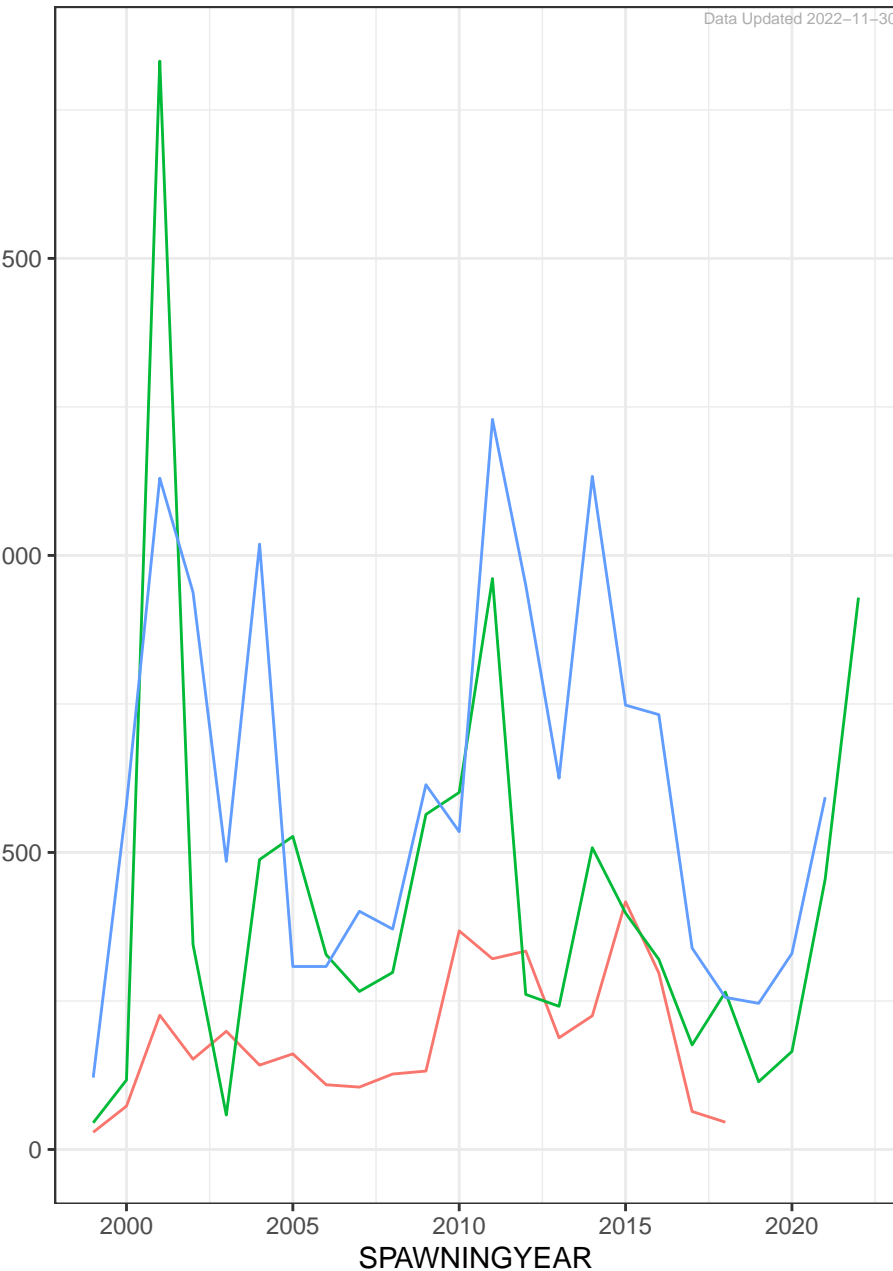
Upper Columbia River Spring Chinook ESU

Data Updated 2022-11-30

Natural Origin Spawner Abundance

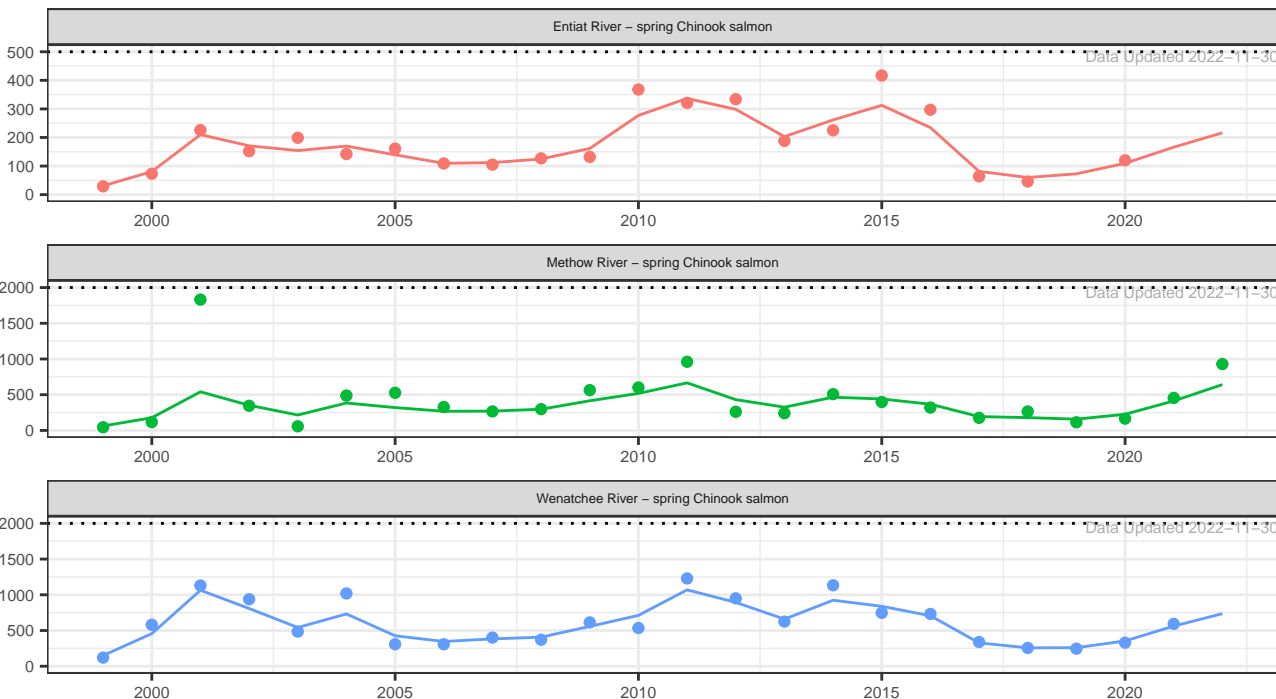
Observed Abundance

- Entiat River – spring Chinook salmon
- Methow River – spring Chinook salmon
- Wenatchee River – spring Chinook salmon



Upper Columbia River Spring Chinook ESU

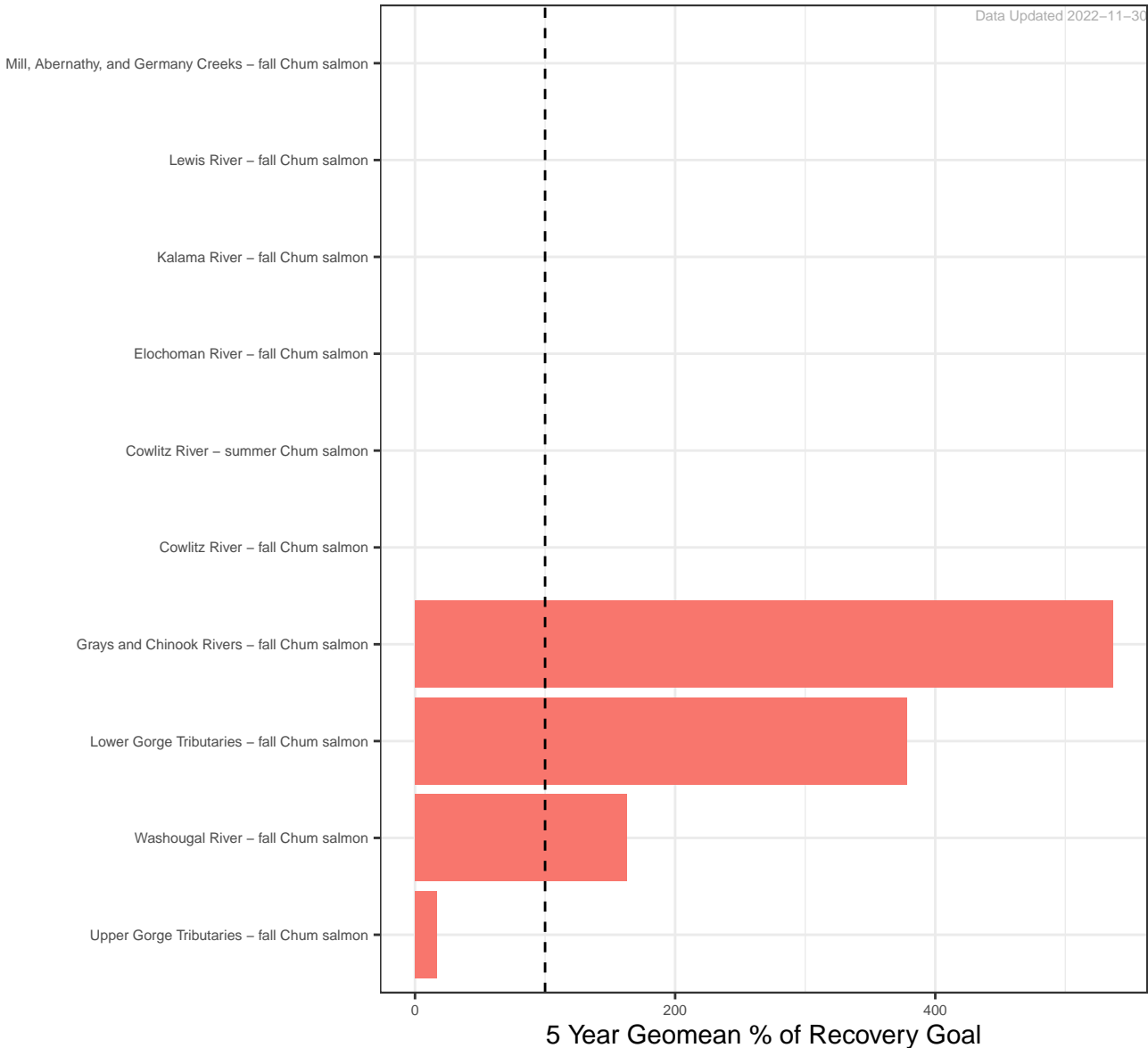
Natural Origin Spawner Abundance



SPAWNING YEAR

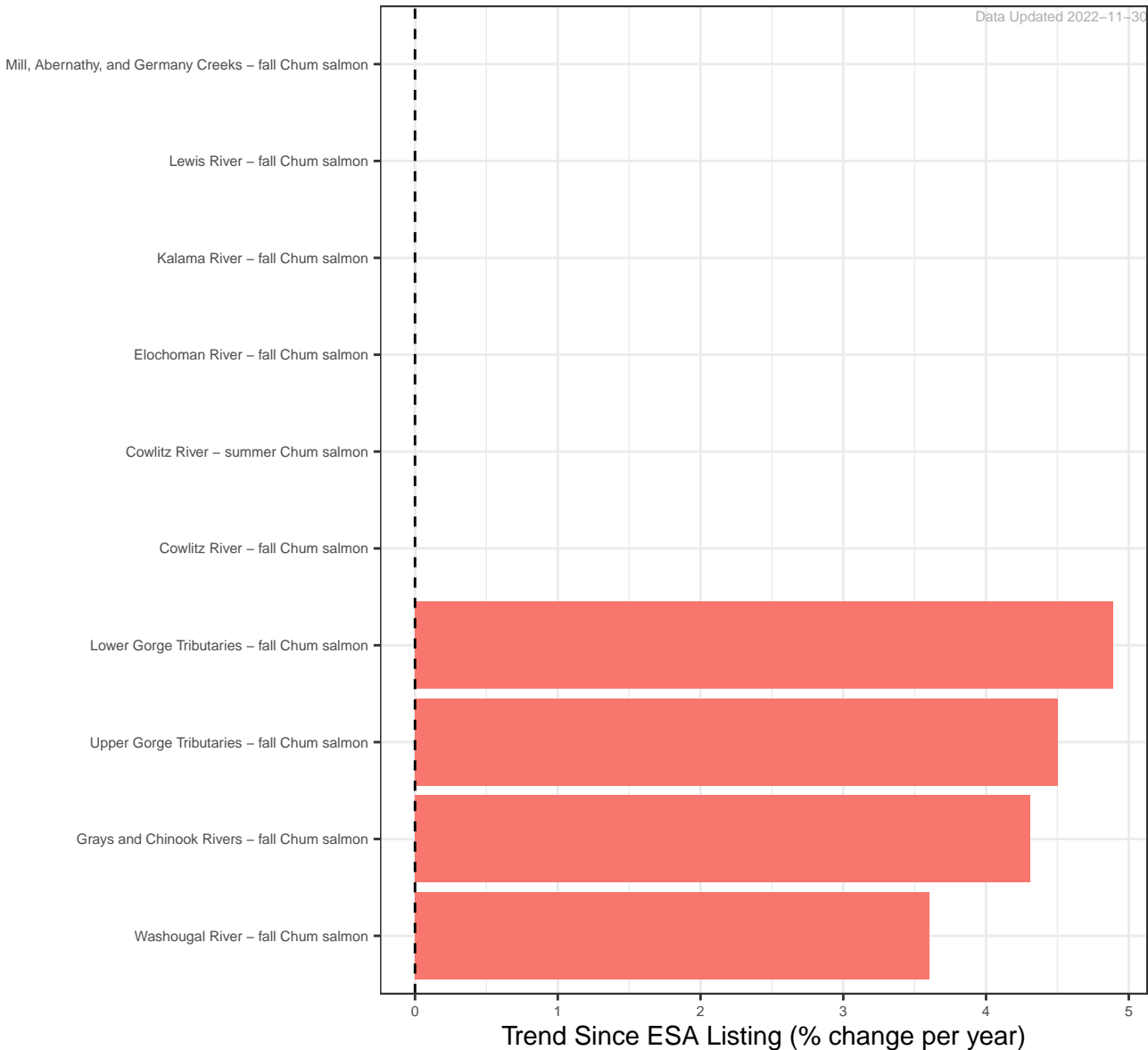
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Columbia River Chum ESU



Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

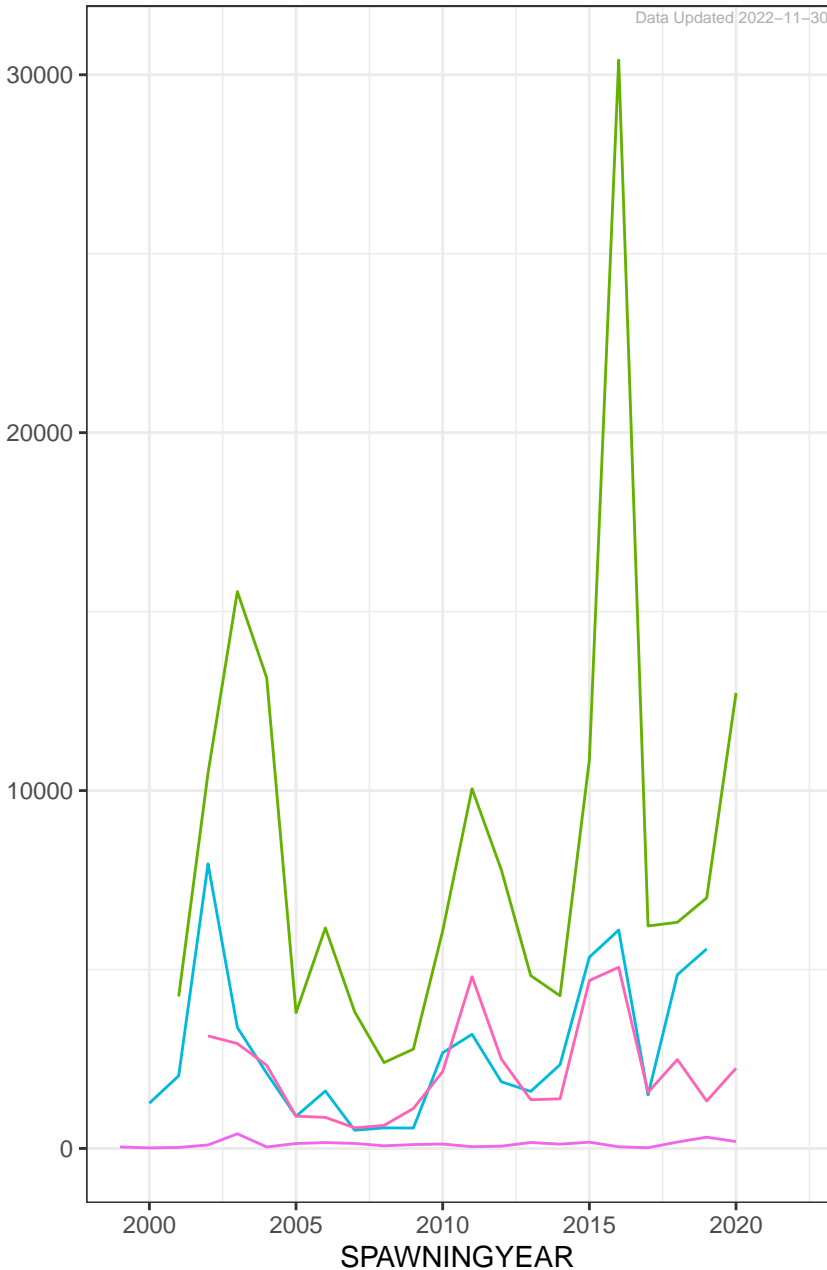
Columbia River Chum ESU



Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Columbia River Chum ESU

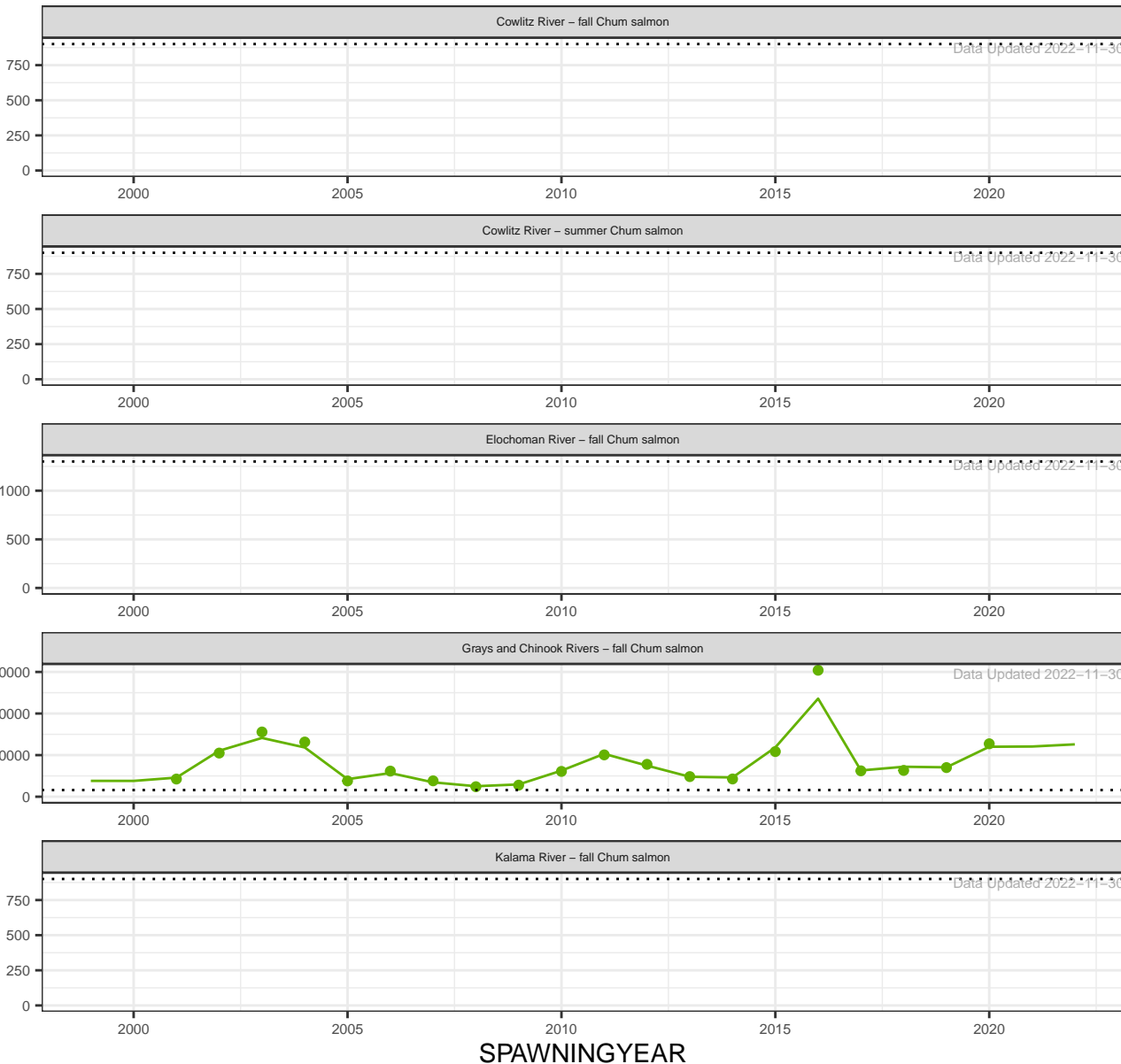
Natural Origin Spawner Abundance



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

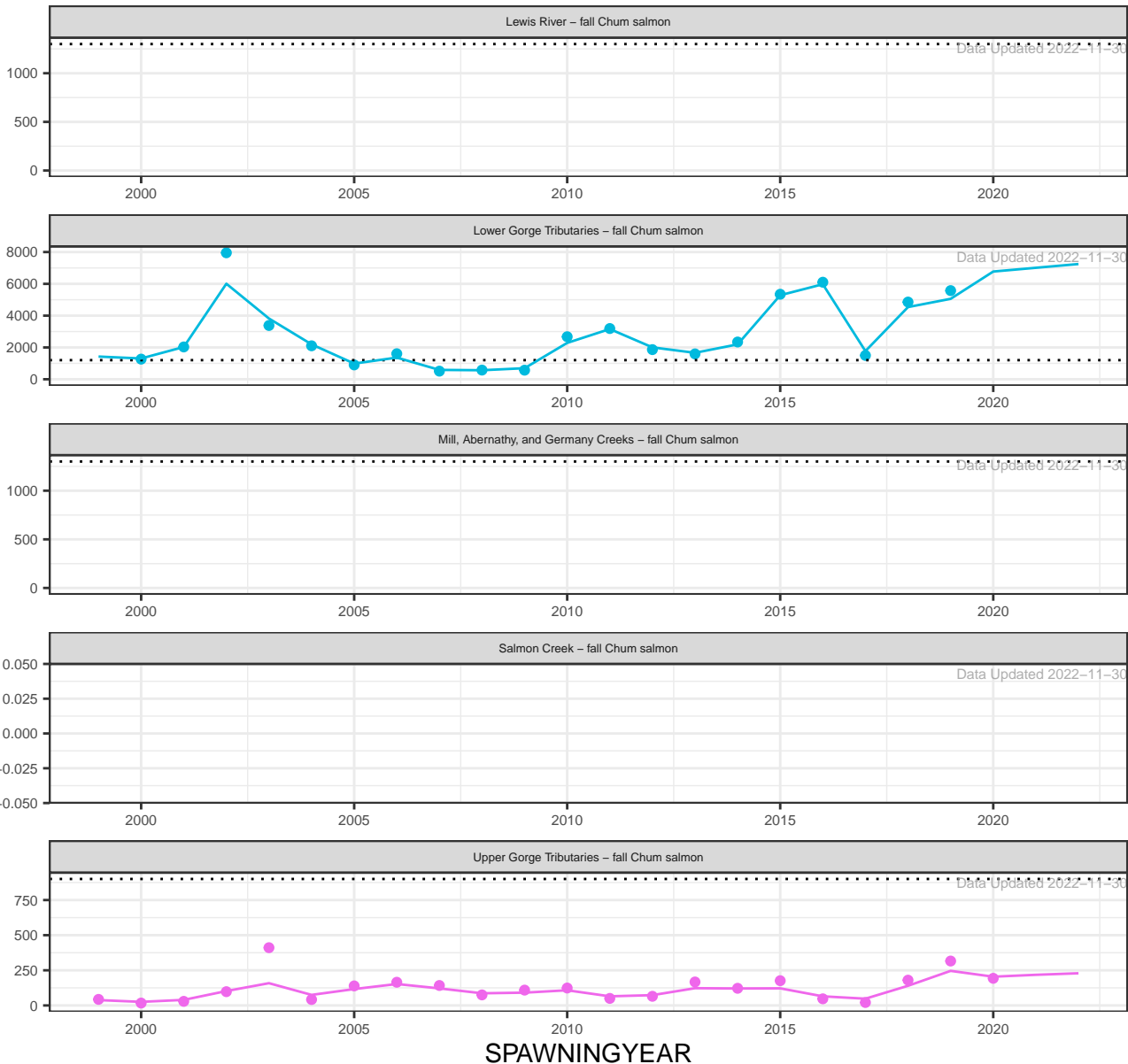
Columbia River Chum ESU



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



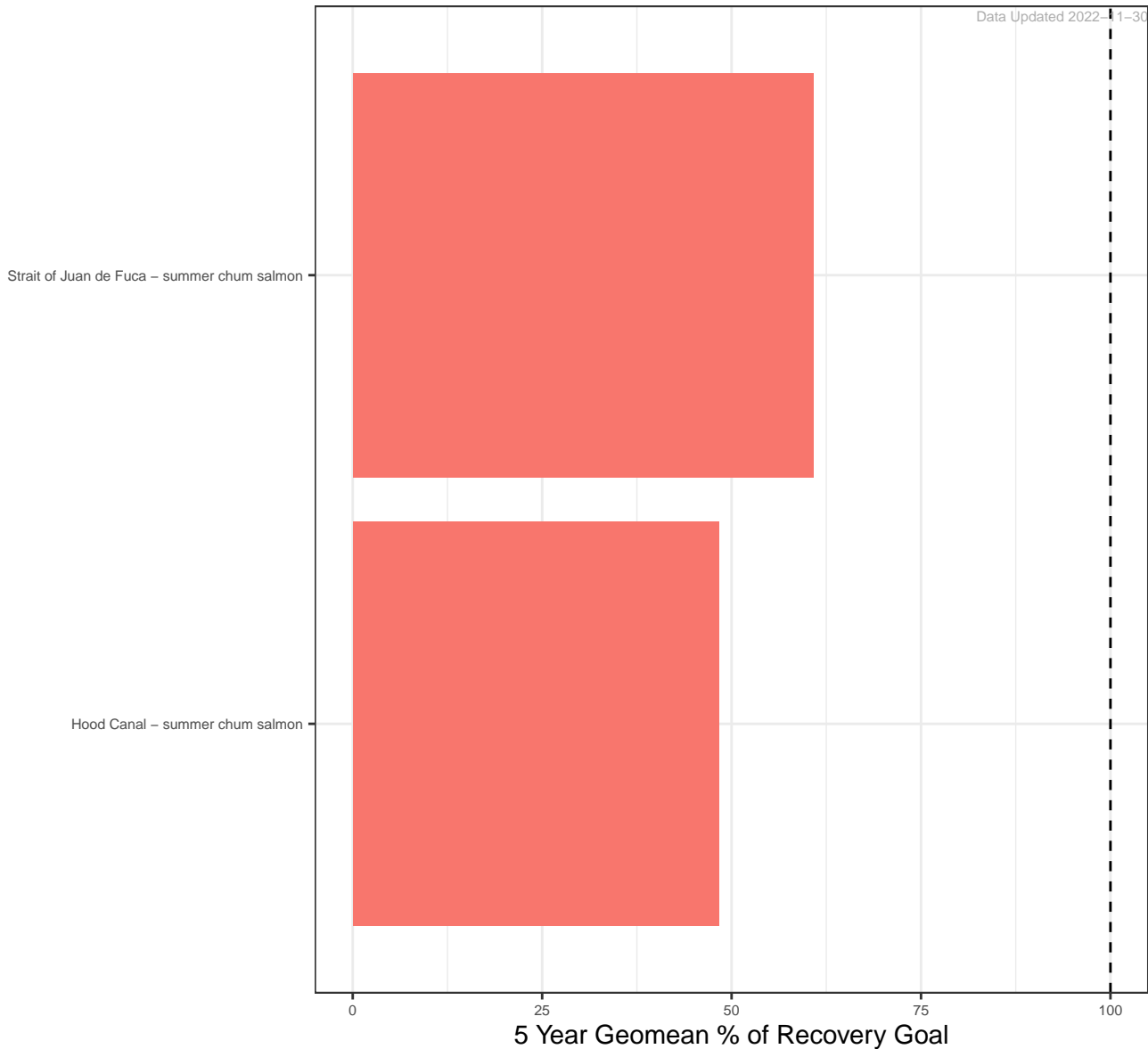
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Columbia River Chum ESU



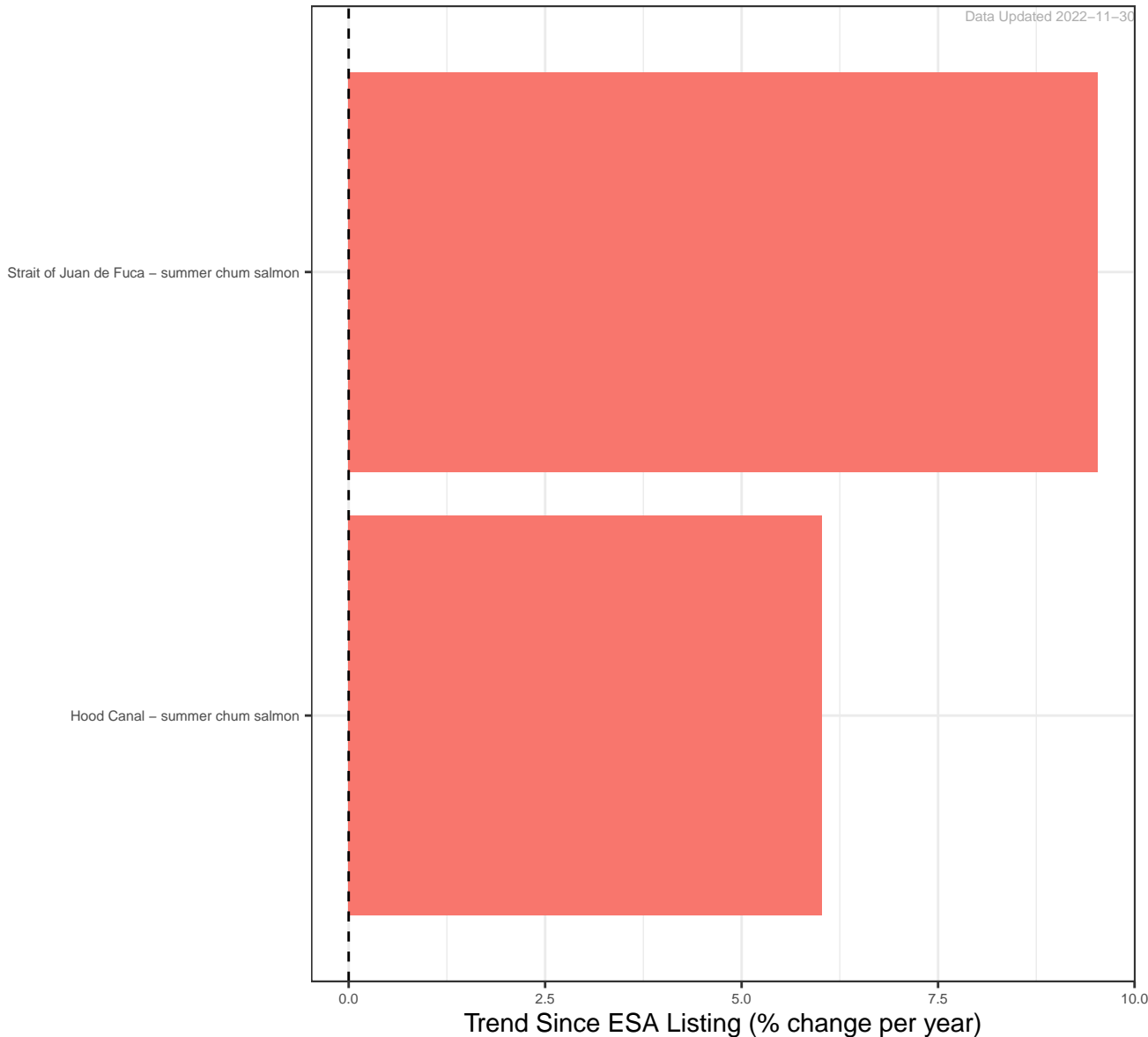
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Hood Canal Summer Chum ESU



Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Hood Canal Summer Chum ESU



Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

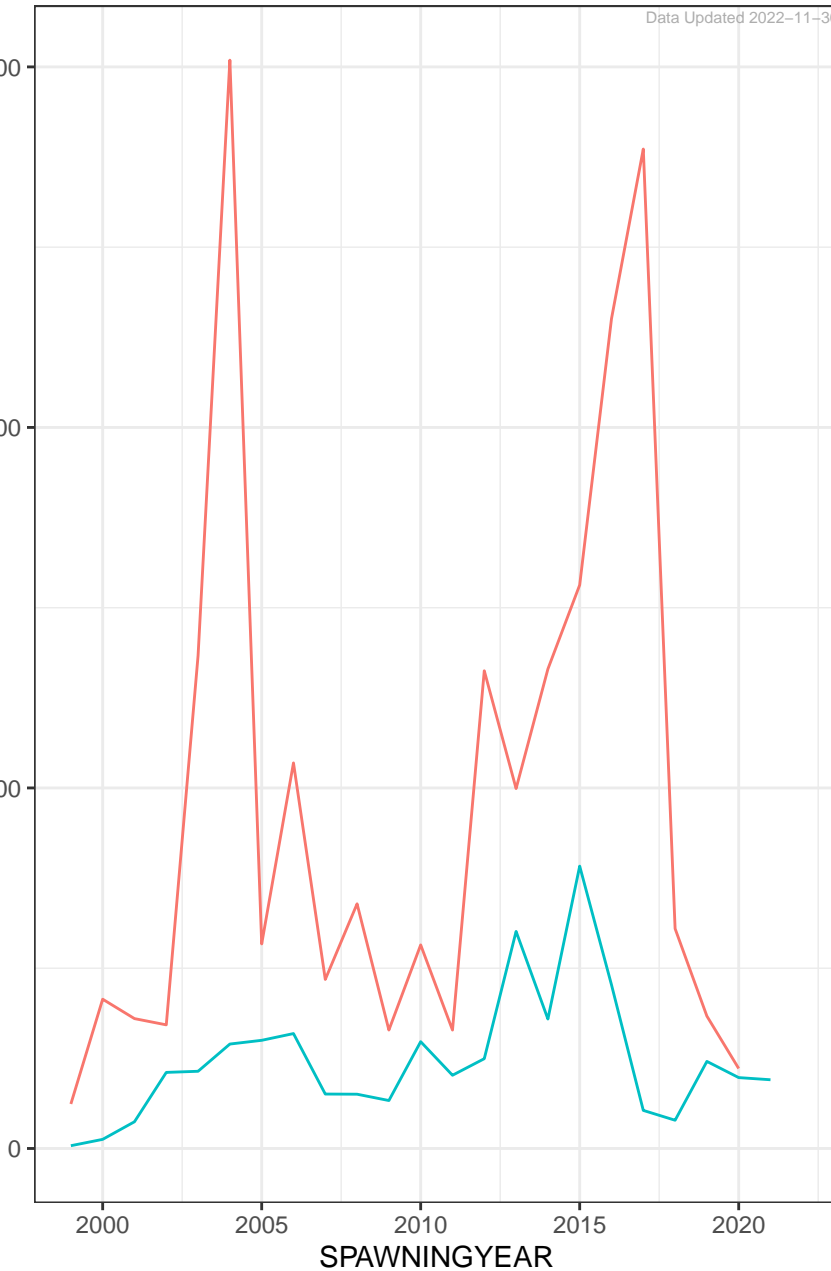
Hood Canal Summer Chum ESU

Data Updated 2022-11-30

Natural Origin Spawner Abundance

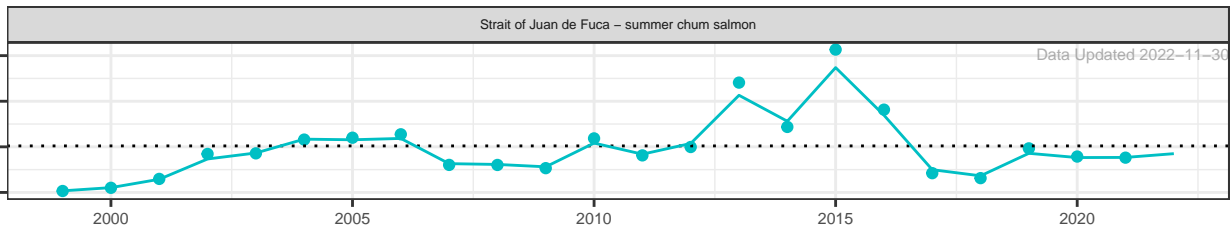
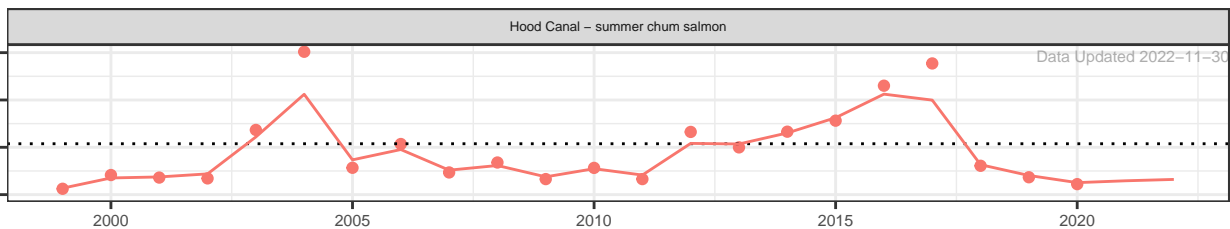
Observed Abundance

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



Hood Canal Summer Chum ESU

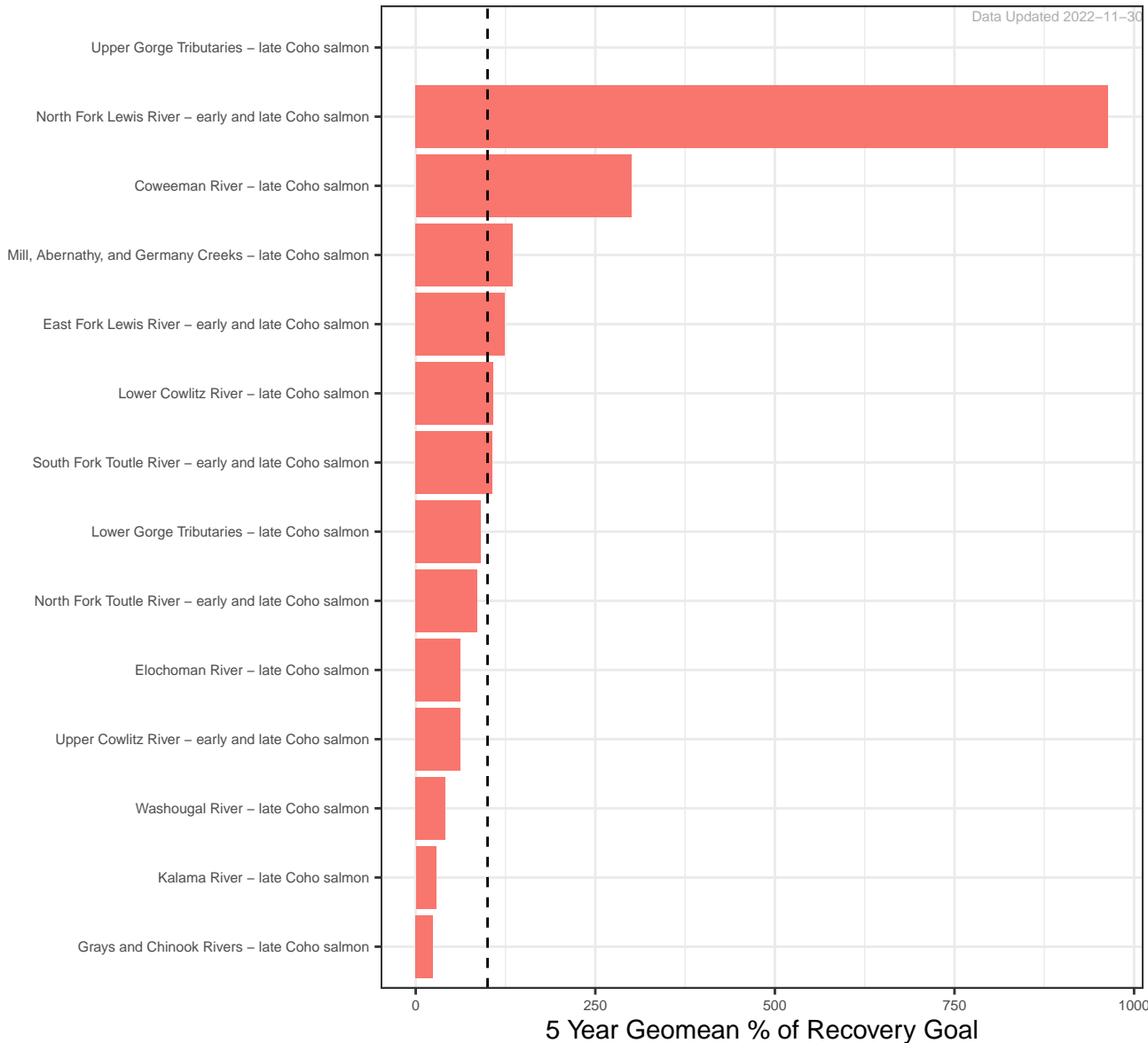
Natural Origin Spawner Abundance



SPAWNINGYEAR

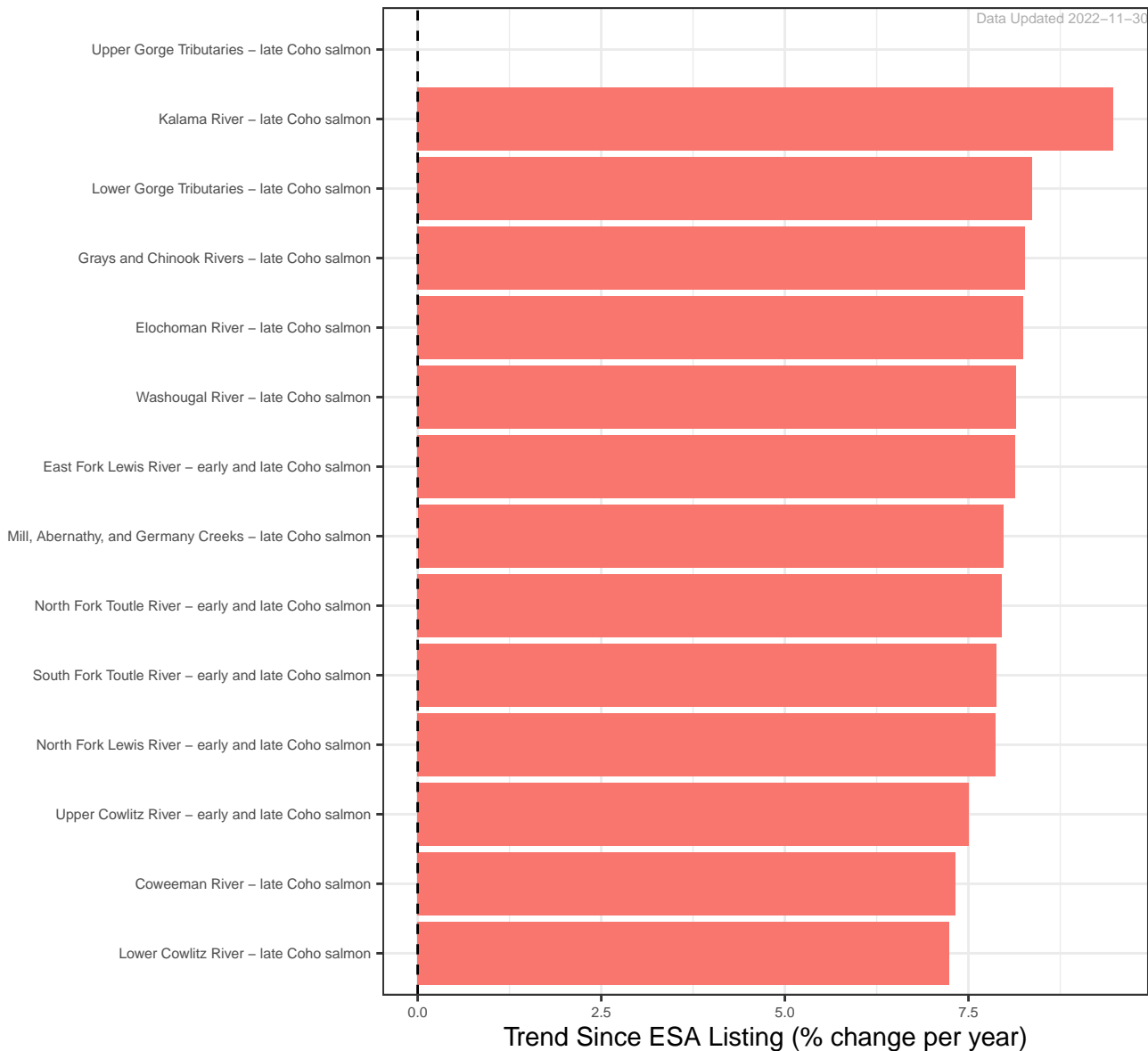
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Lower Columbia River Coho ESU



Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

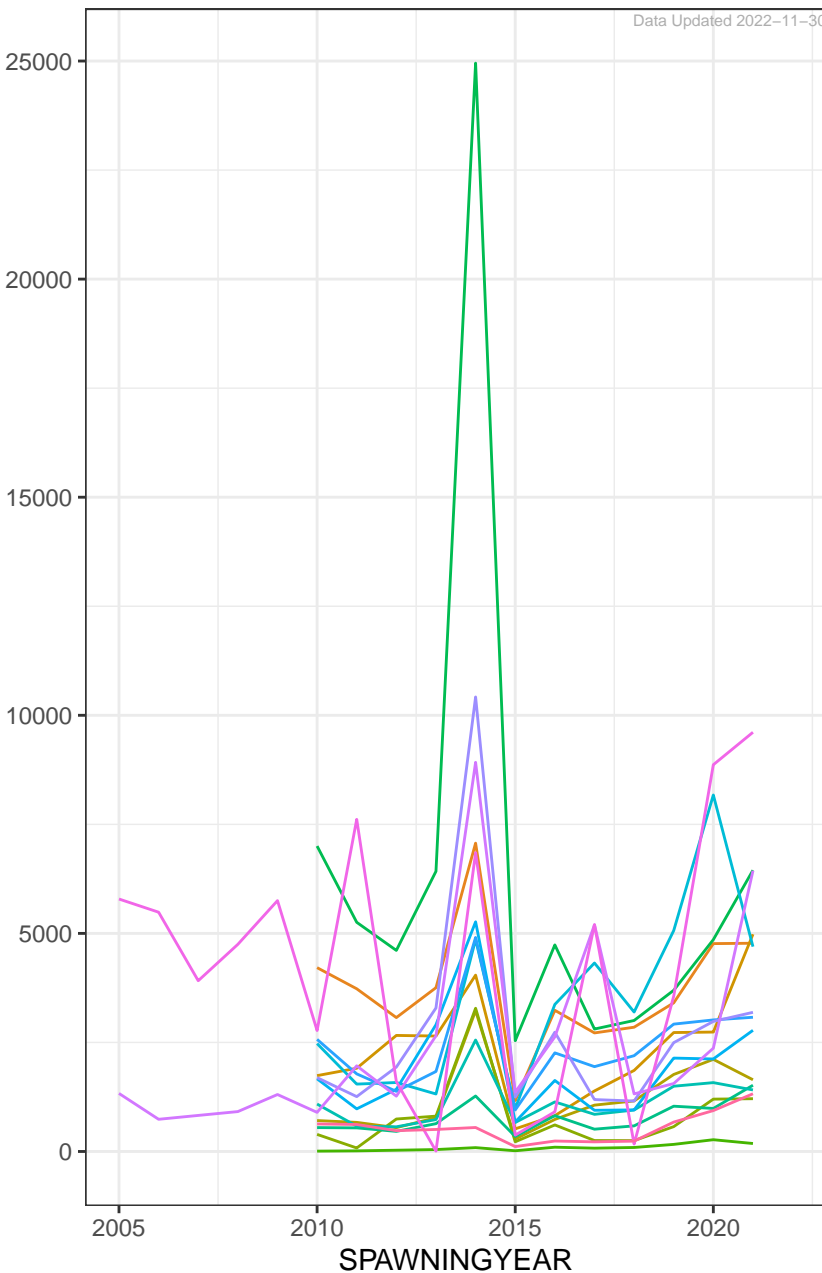
Lower Columbia River Coho ESU



Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Lower Columbia River Coho ESU

Natural Origin Spawner Abundance

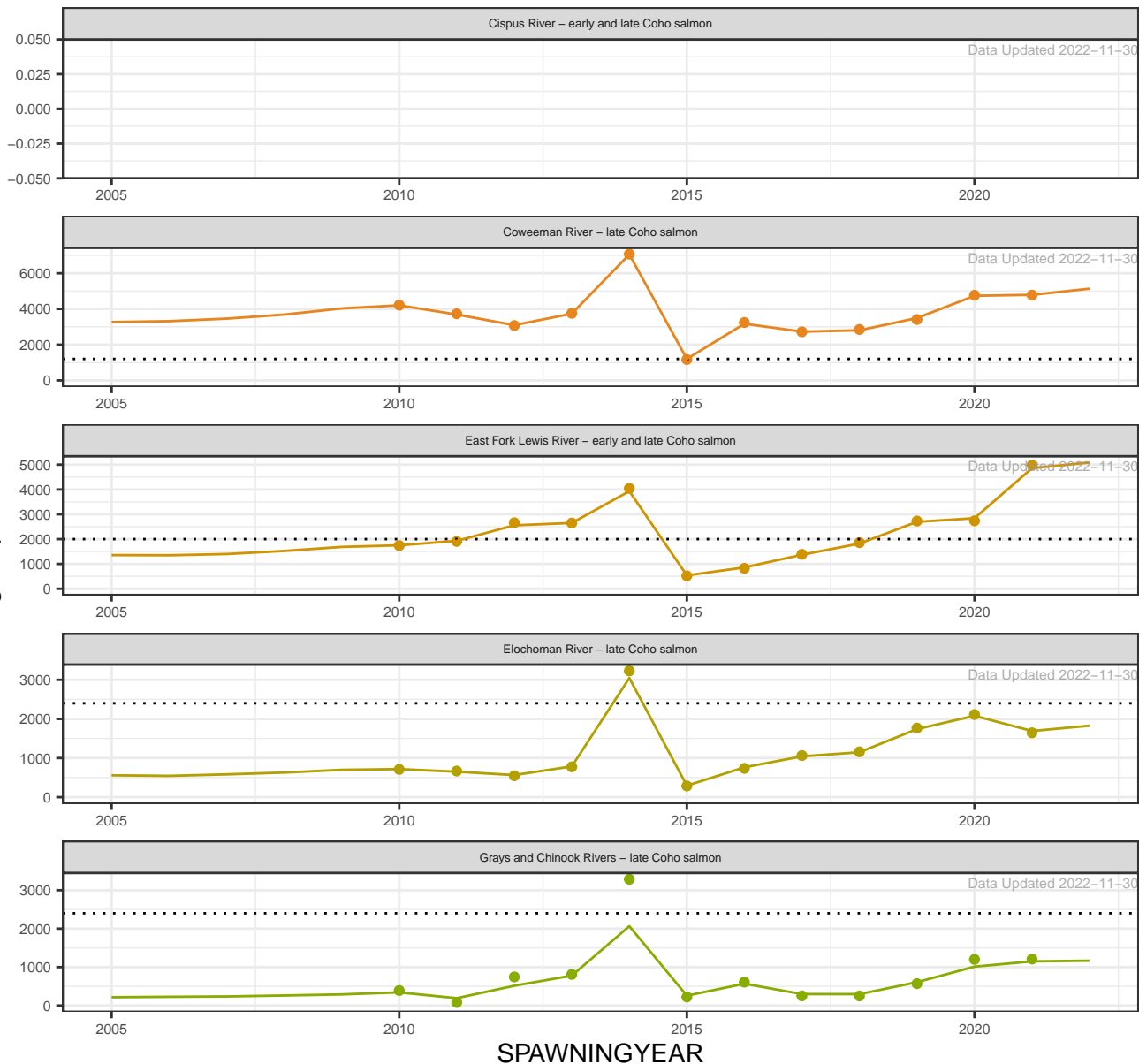


Observed Abundance

- 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

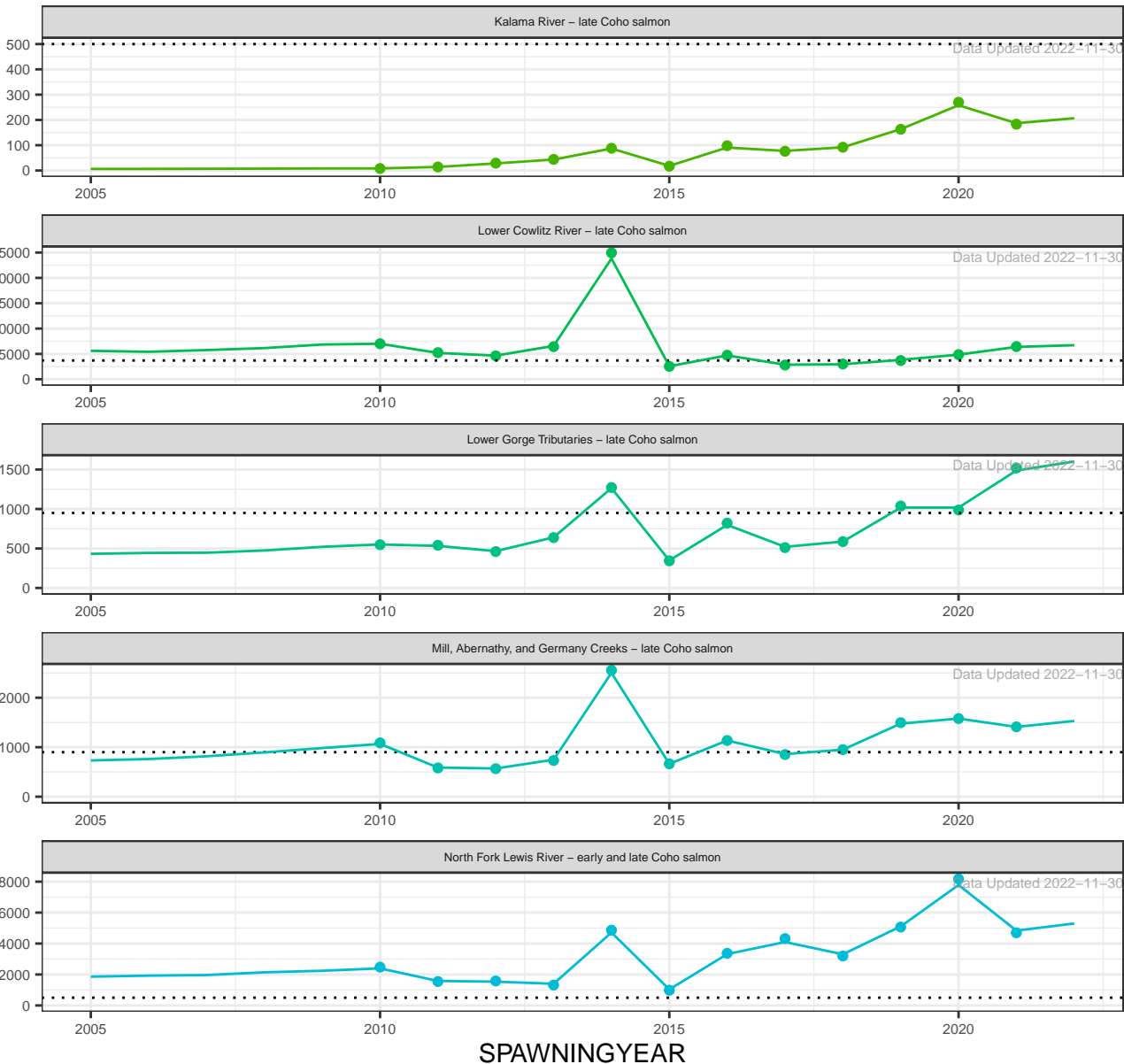
Lower Columbia River Coho ESU

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.

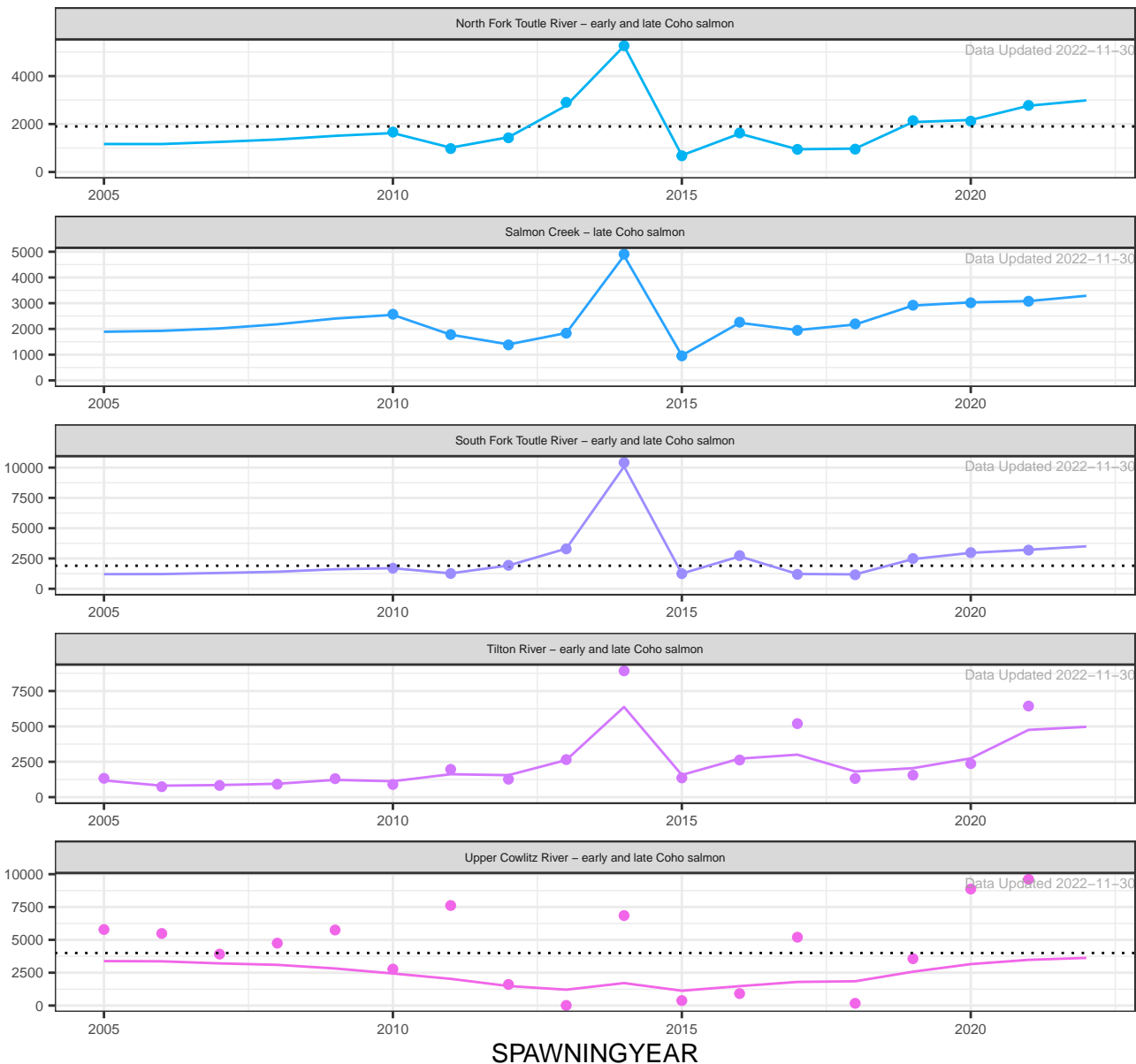
Lower Columbia River Coho ESU



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

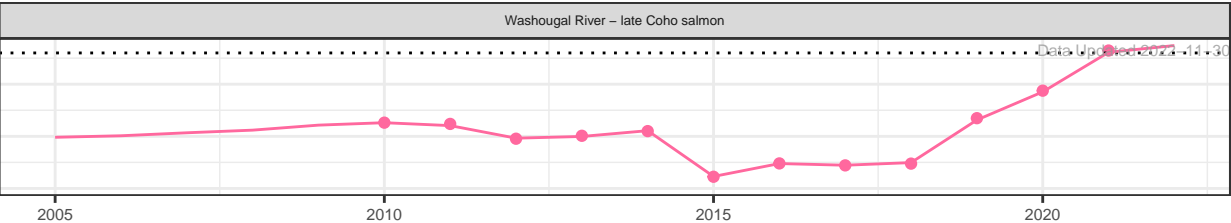
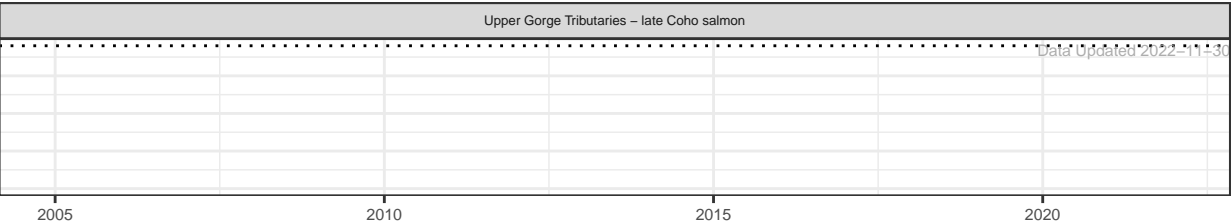
Natural Origin Spawner Abundance



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

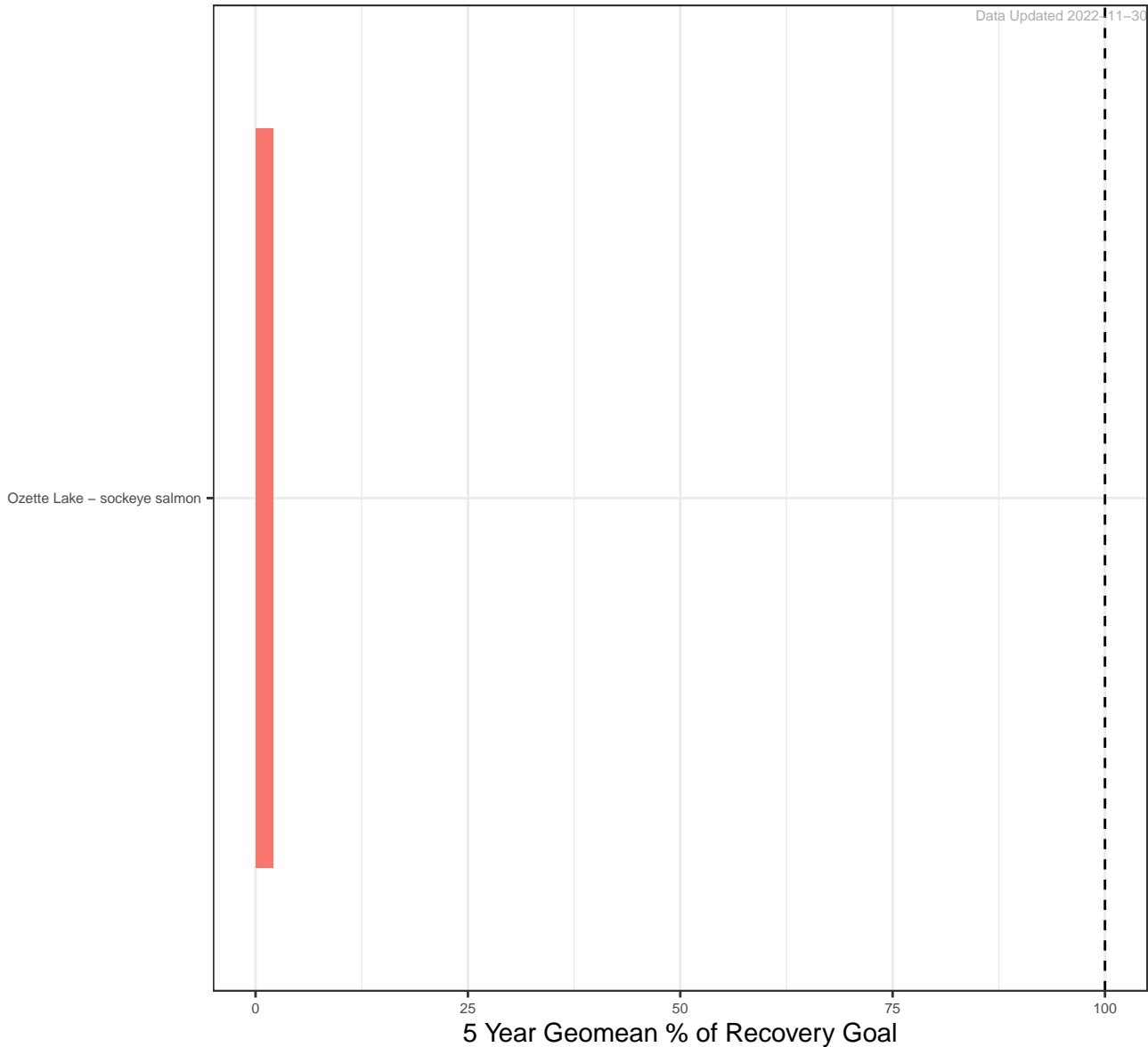
Natural Origin Spawner Abundance



SPAWNINGYEAR

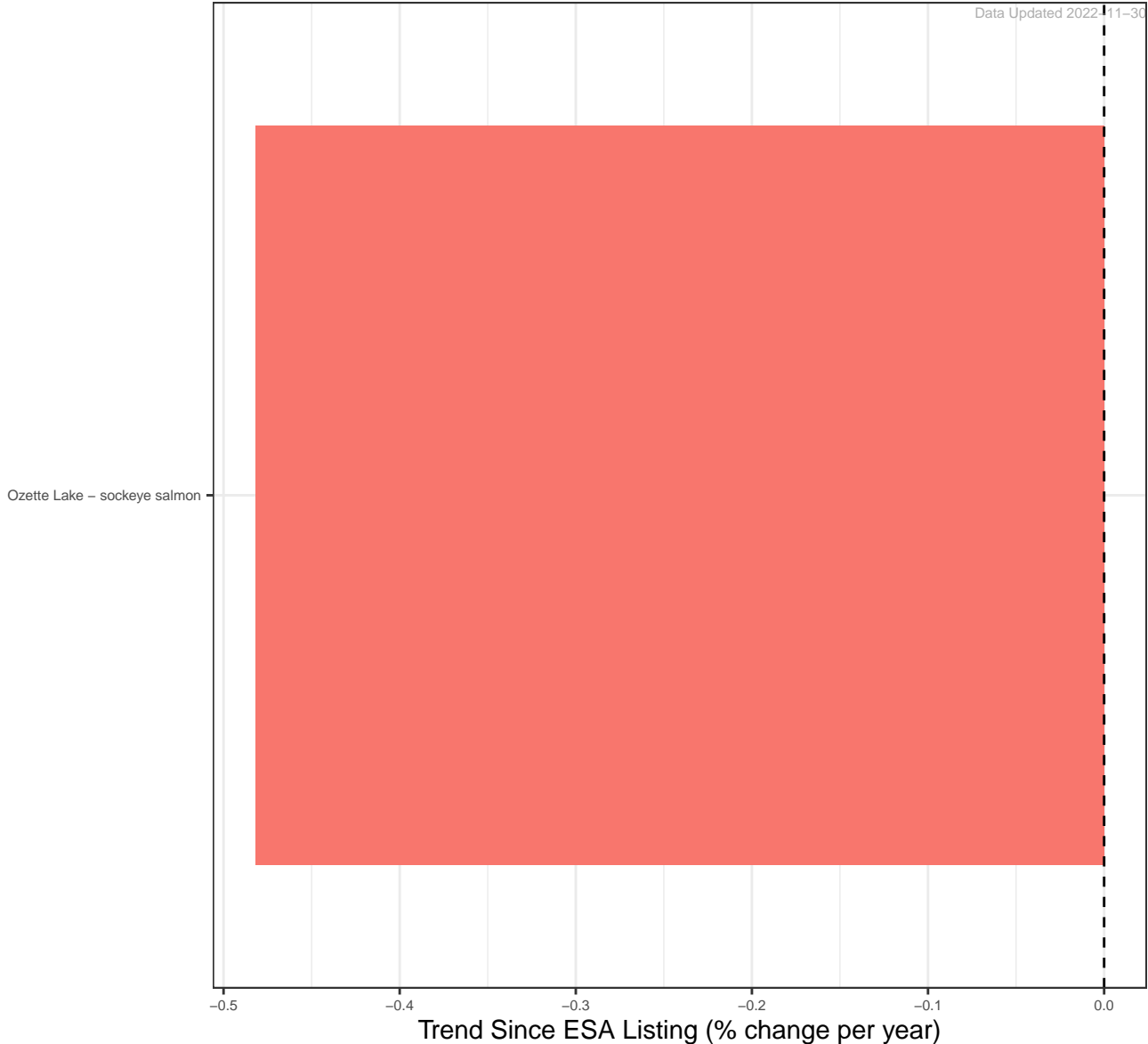
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Ozette Lake Sockeye ESU



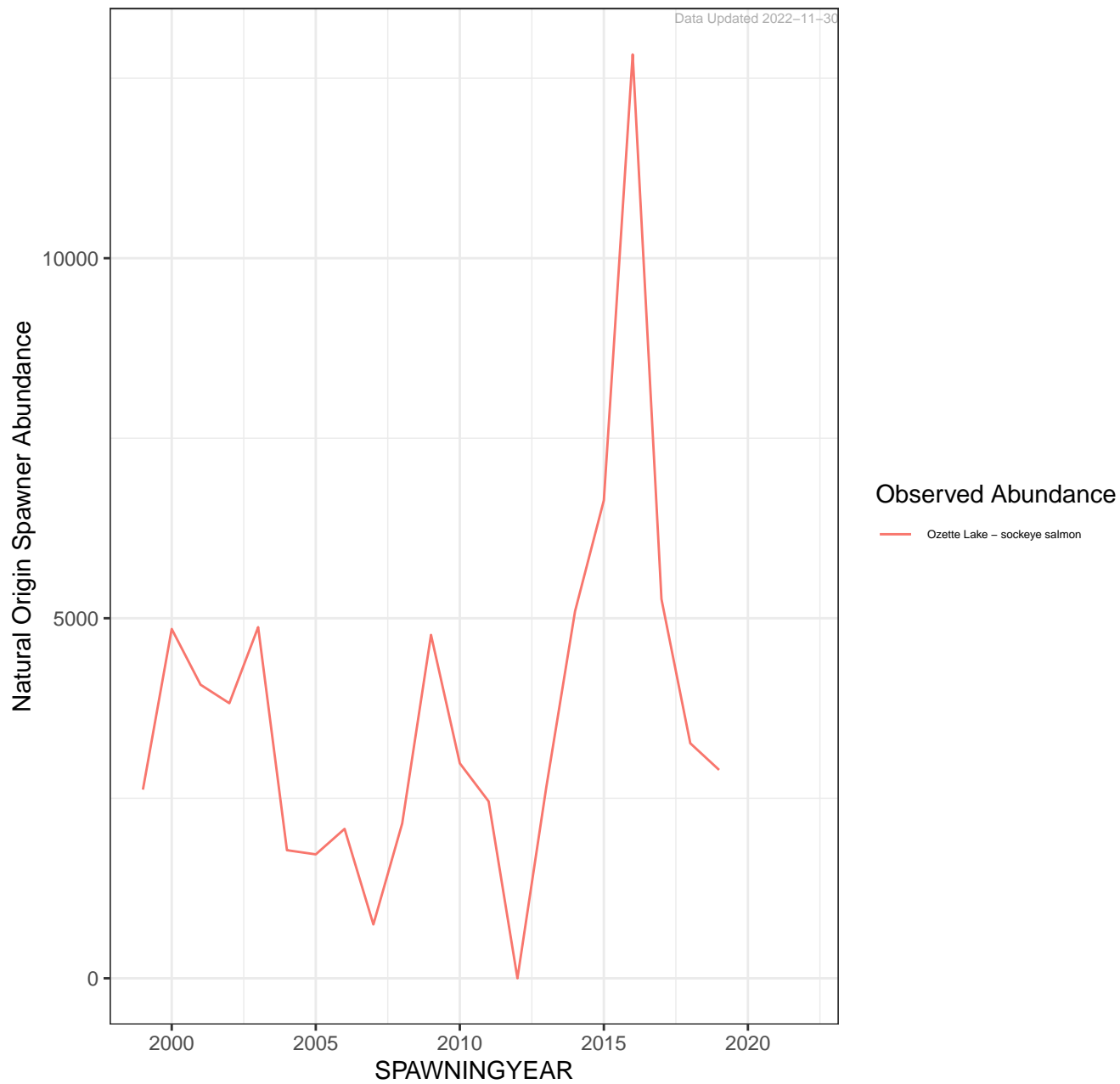
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Ozette Lake Sockeye ESU

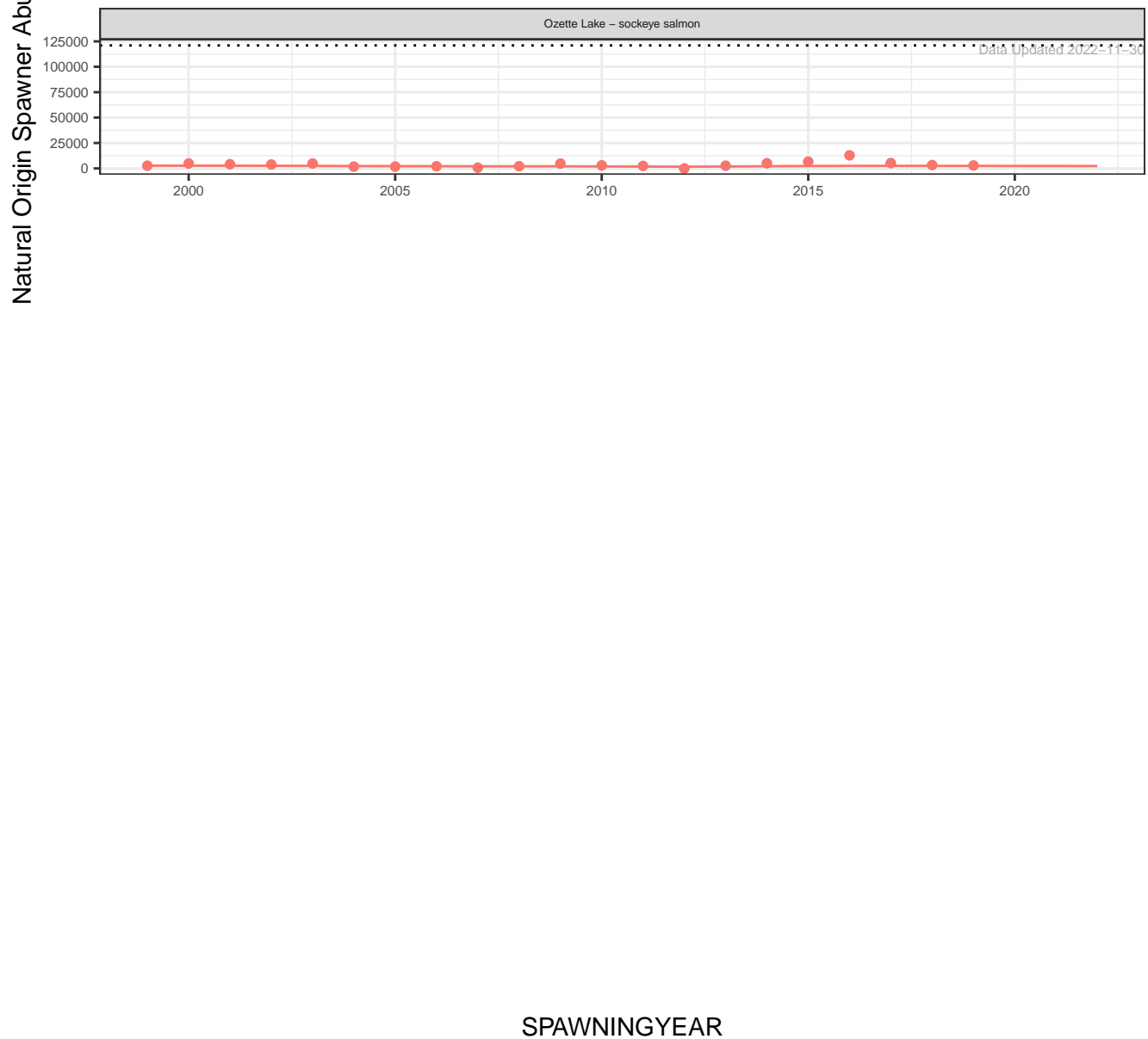


Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Ozette Lake Sockeye ESU

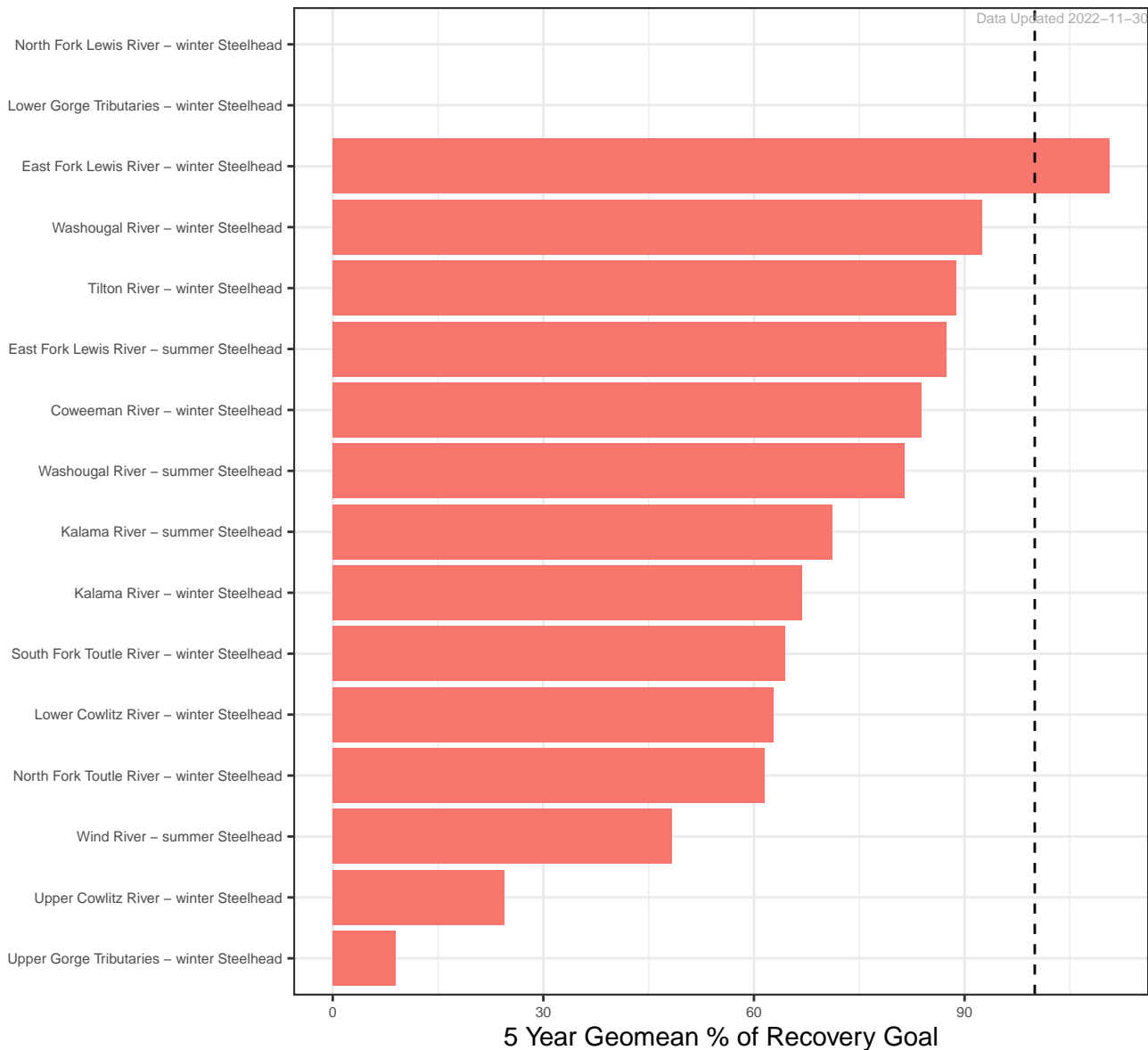


Ozette Lake Sockeye ESU



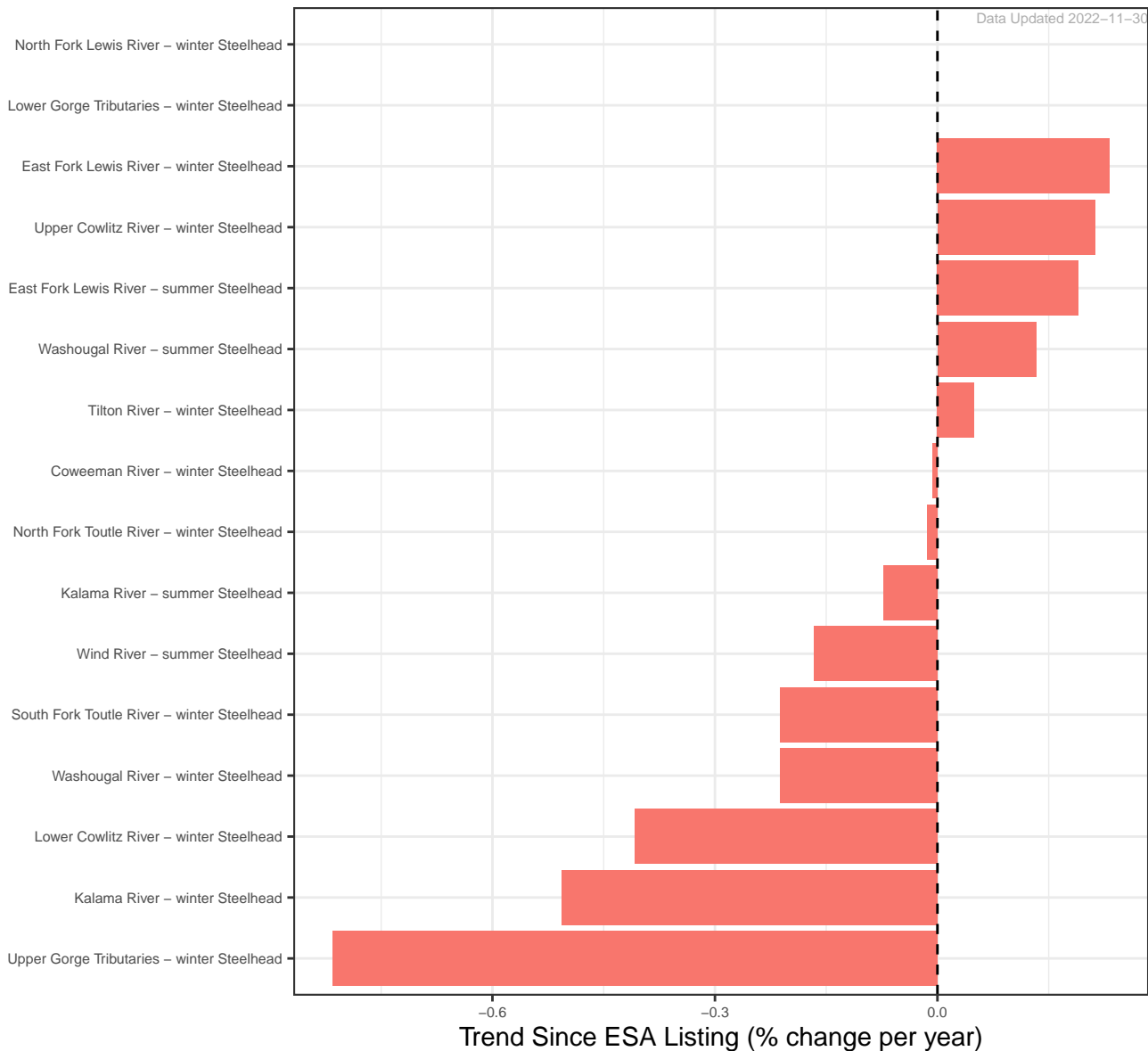
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Lower Columbia River Steelhead DPS



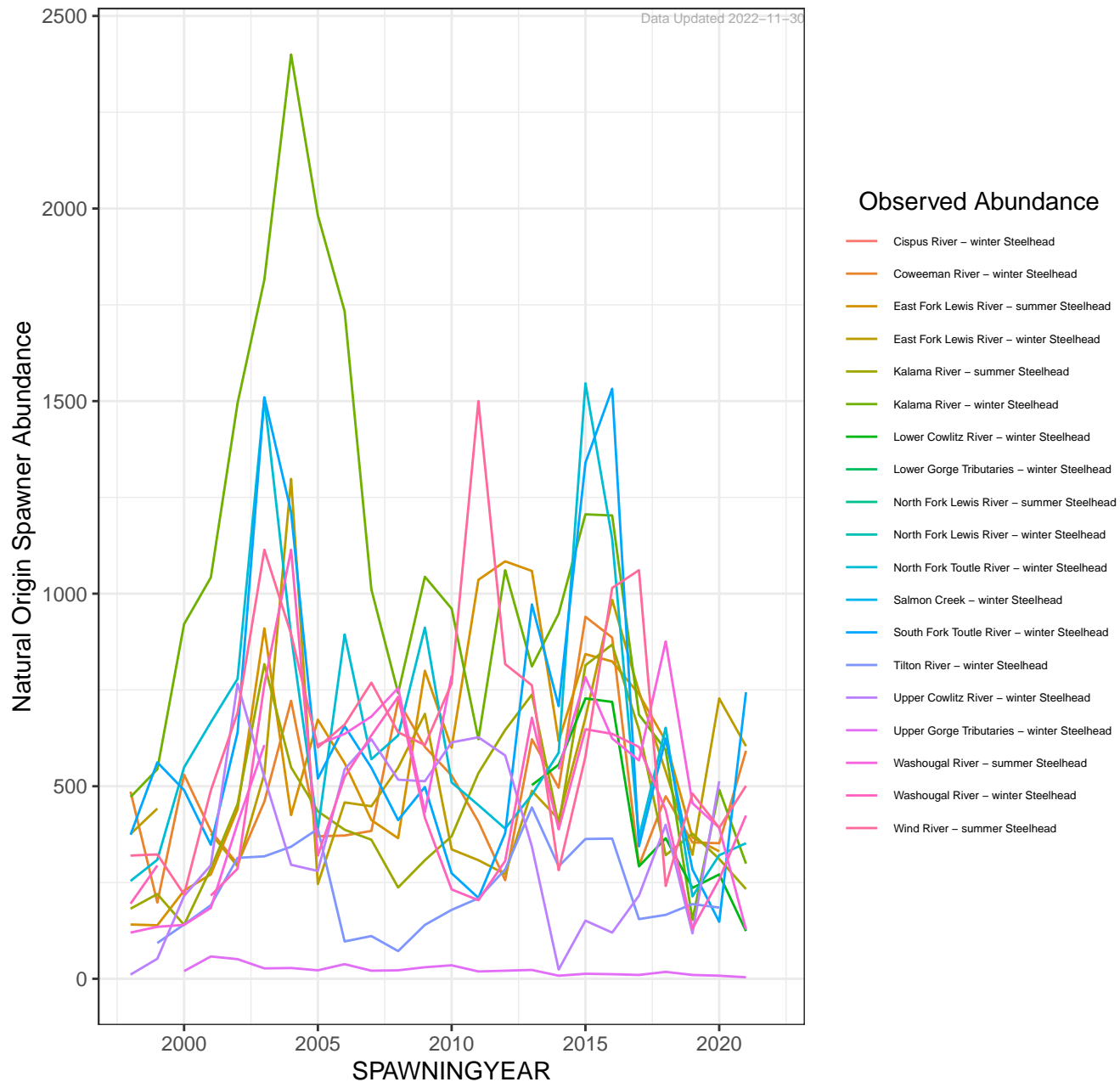
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Lower Columbia River Steelhead DPS



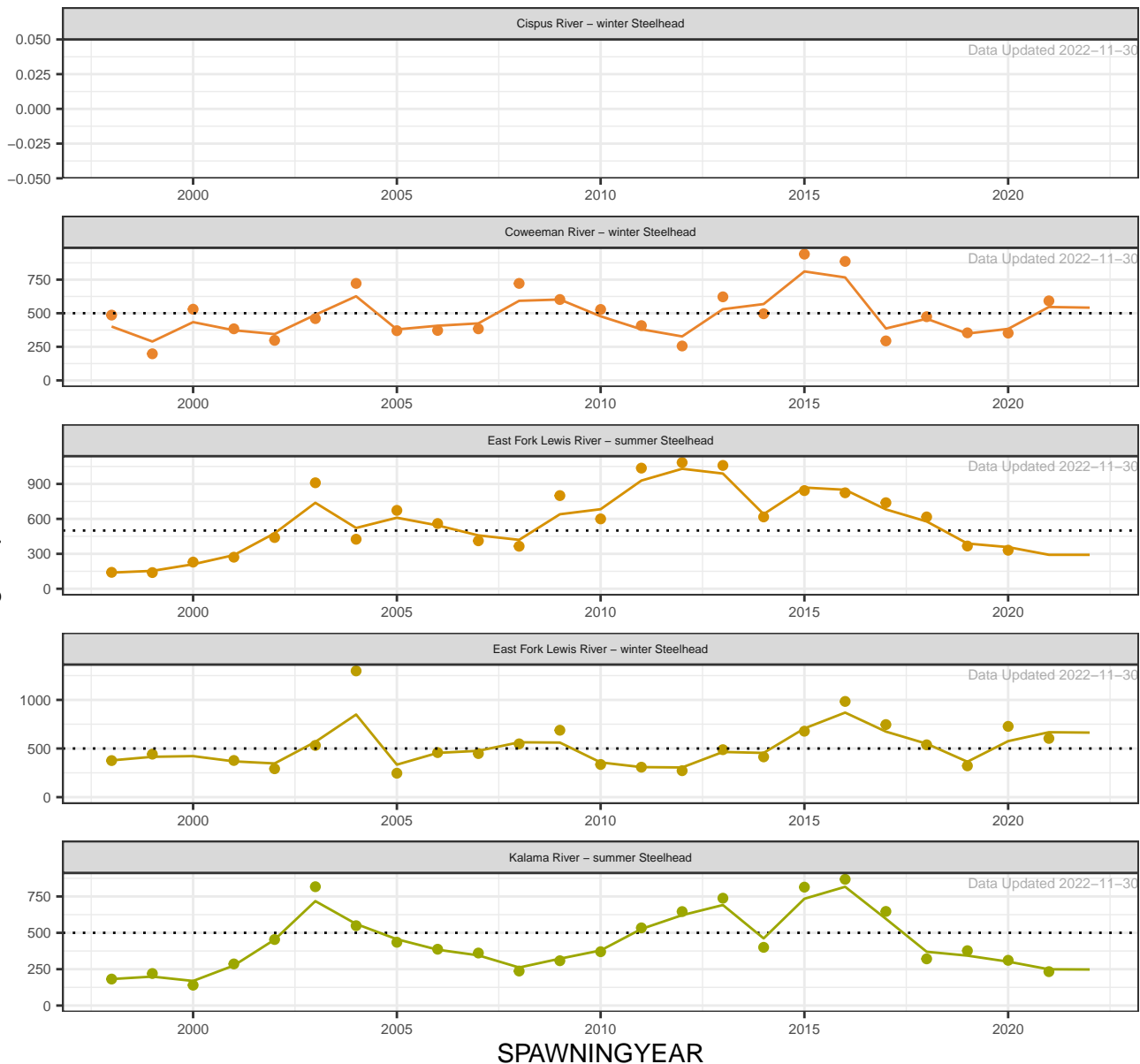
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Lower Columbia River Steelhead DPS



Lower Columbia River Steelhead DPS

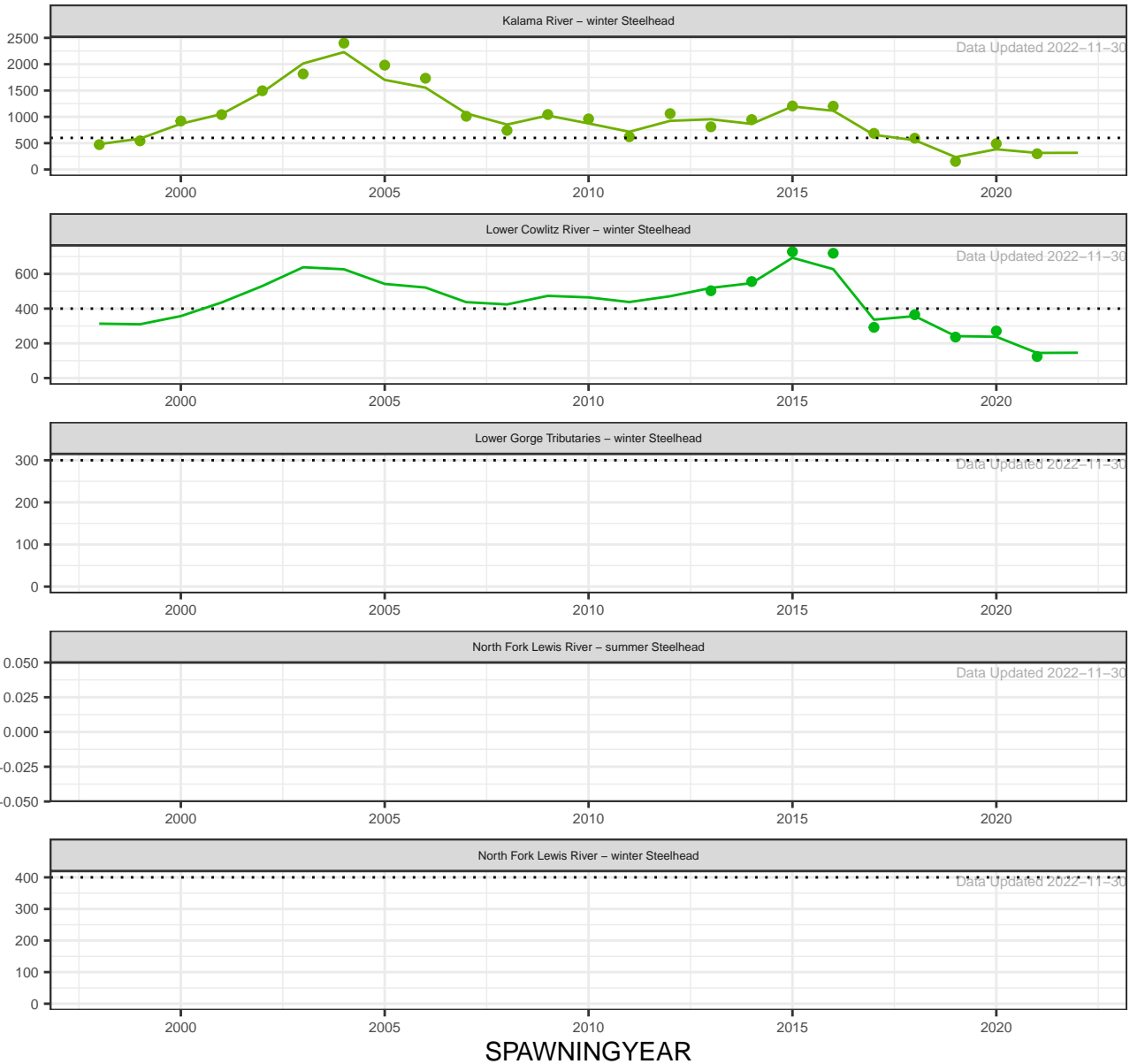
Natural Origin Spawner Abundance



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

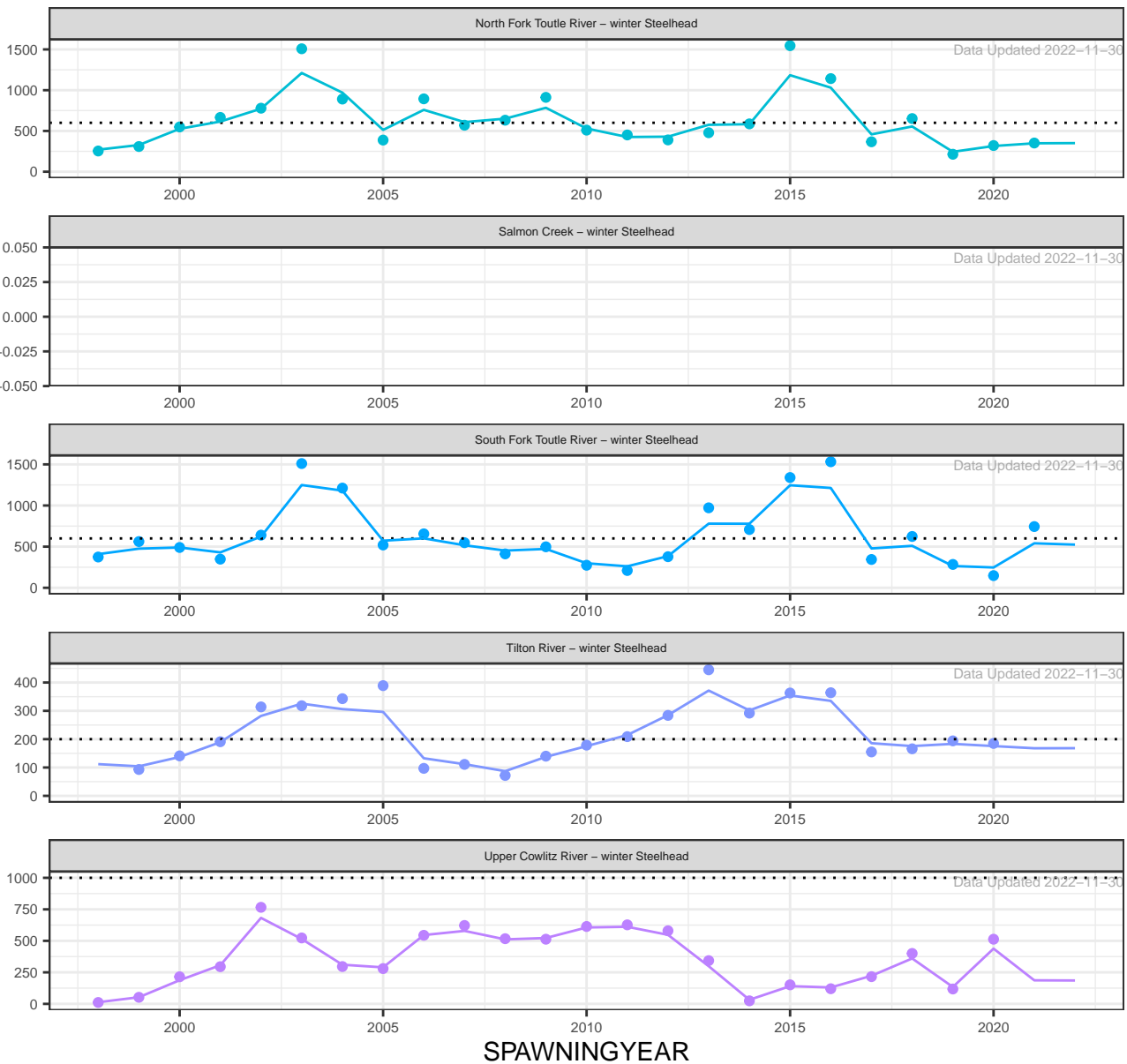
Natural Origin Spawner Abundance



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

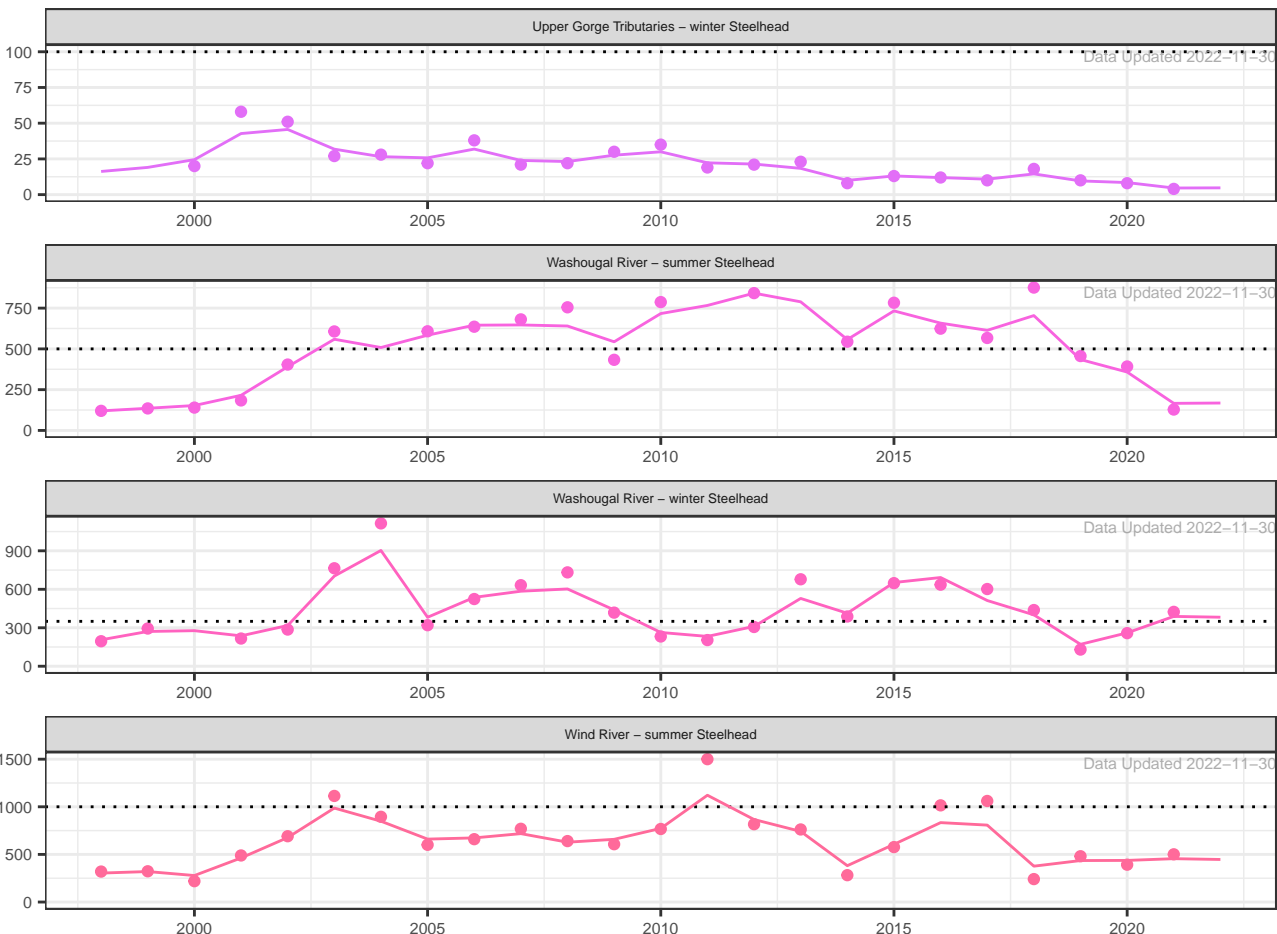
Natural Origin Spawner Abundance



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

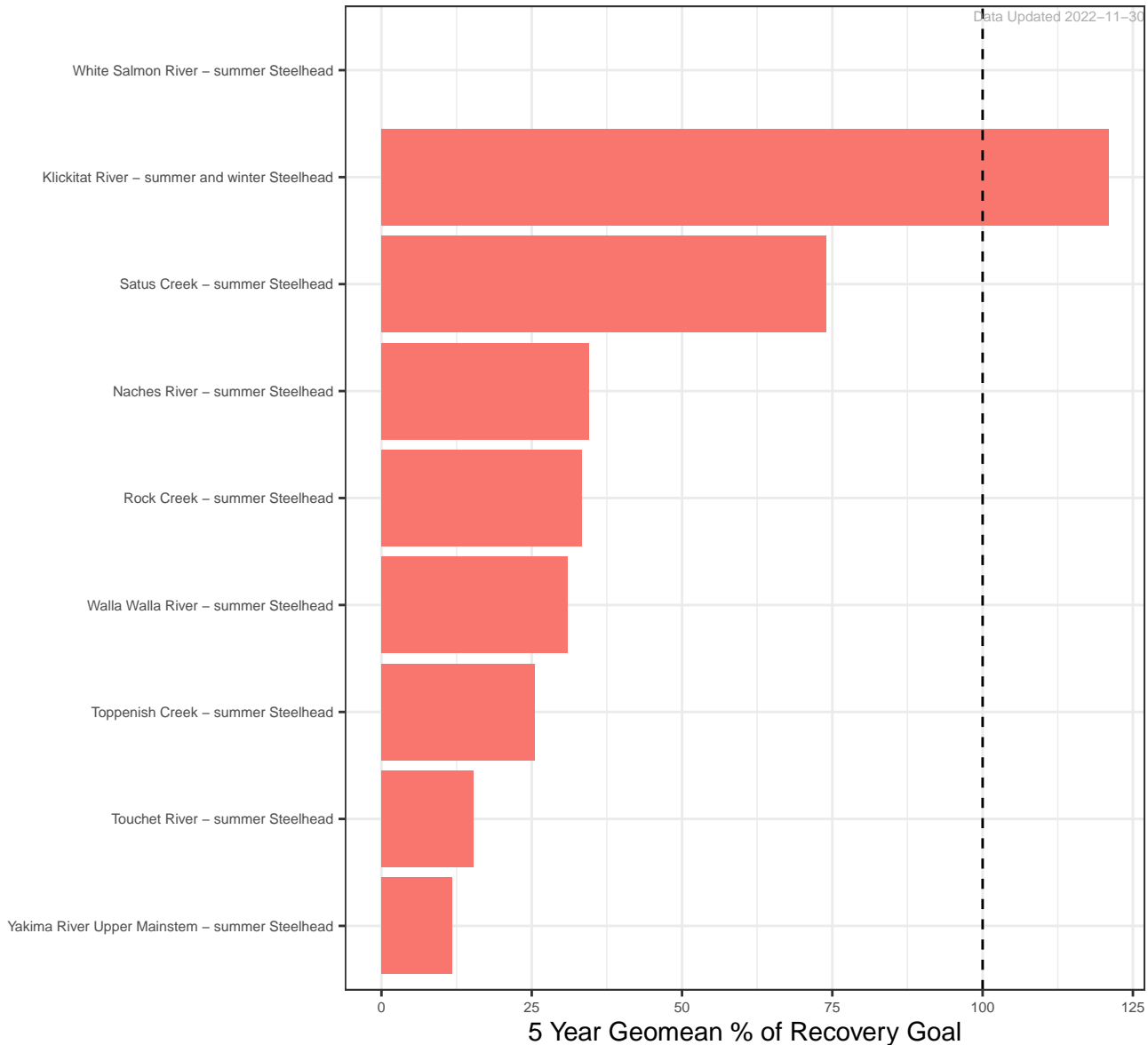
Natural Origin Spawner Abundance



SPAWNINGYEAR

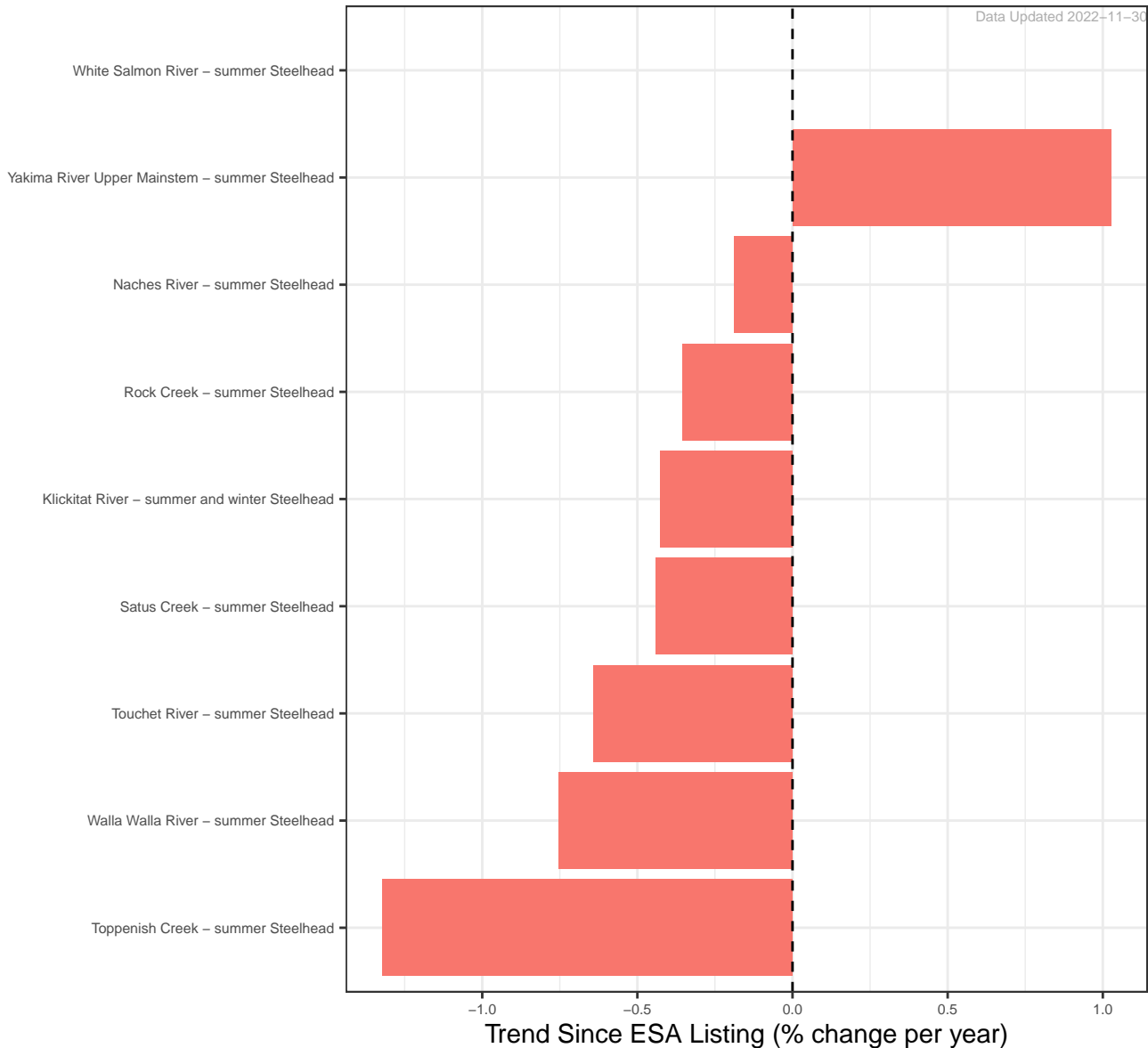
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Middle Columbia River Steelhead DPS



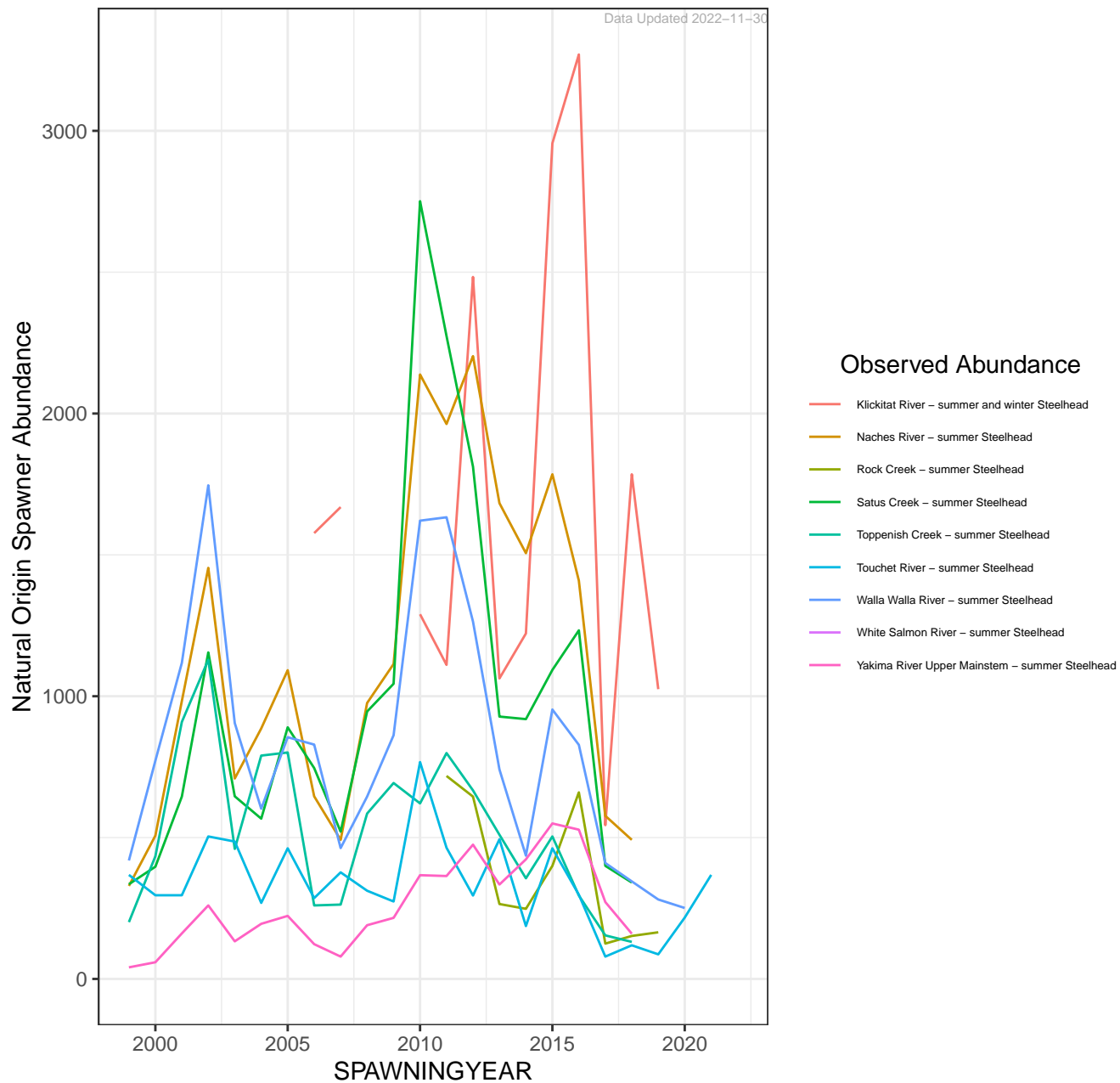
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals. Populations with no bars had no usable data.

Middle Columbia River Steelhead DPS



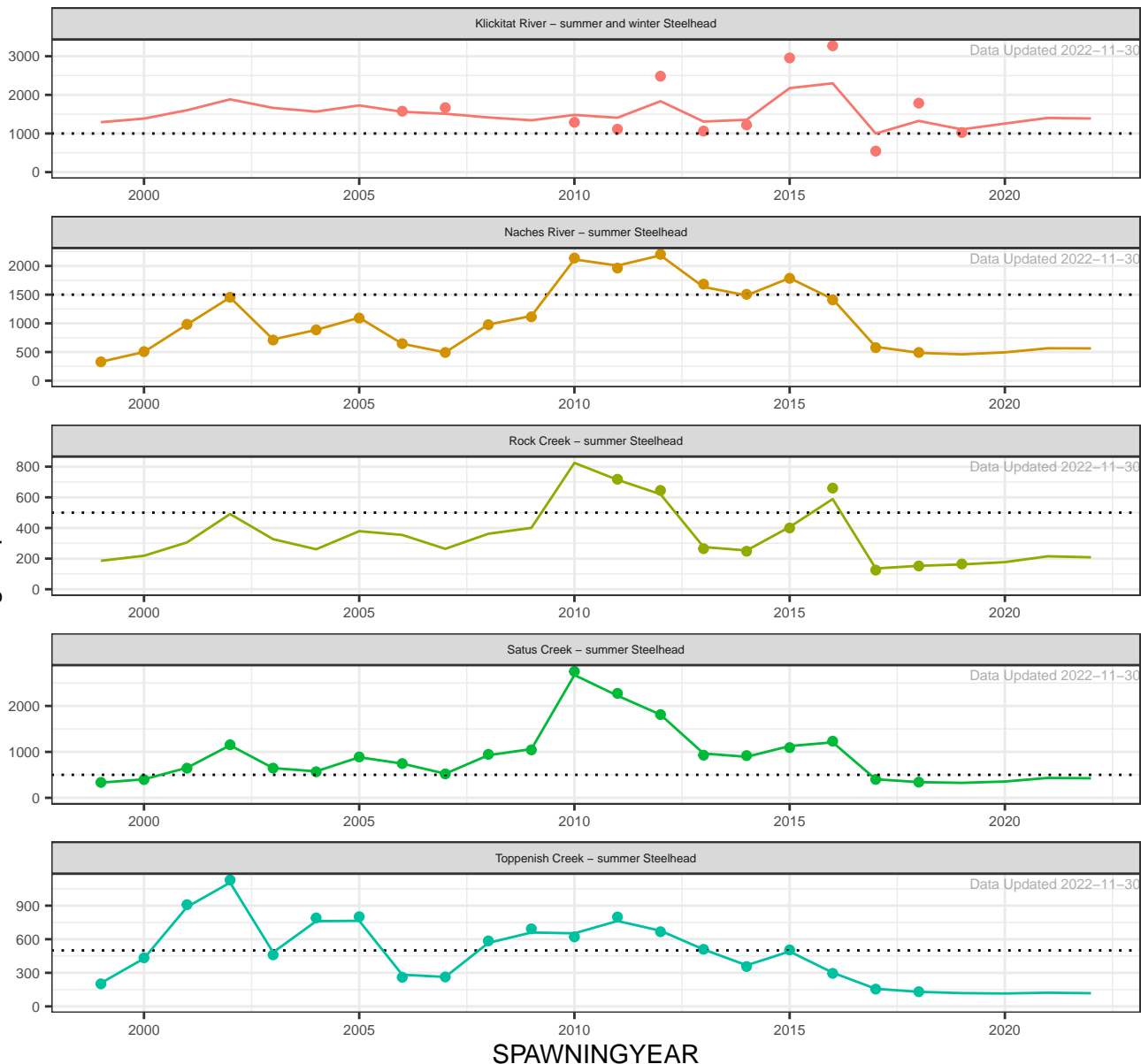
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Middle Columbia River Steelhead DPS



Middle Columbia River Steelhead DPS

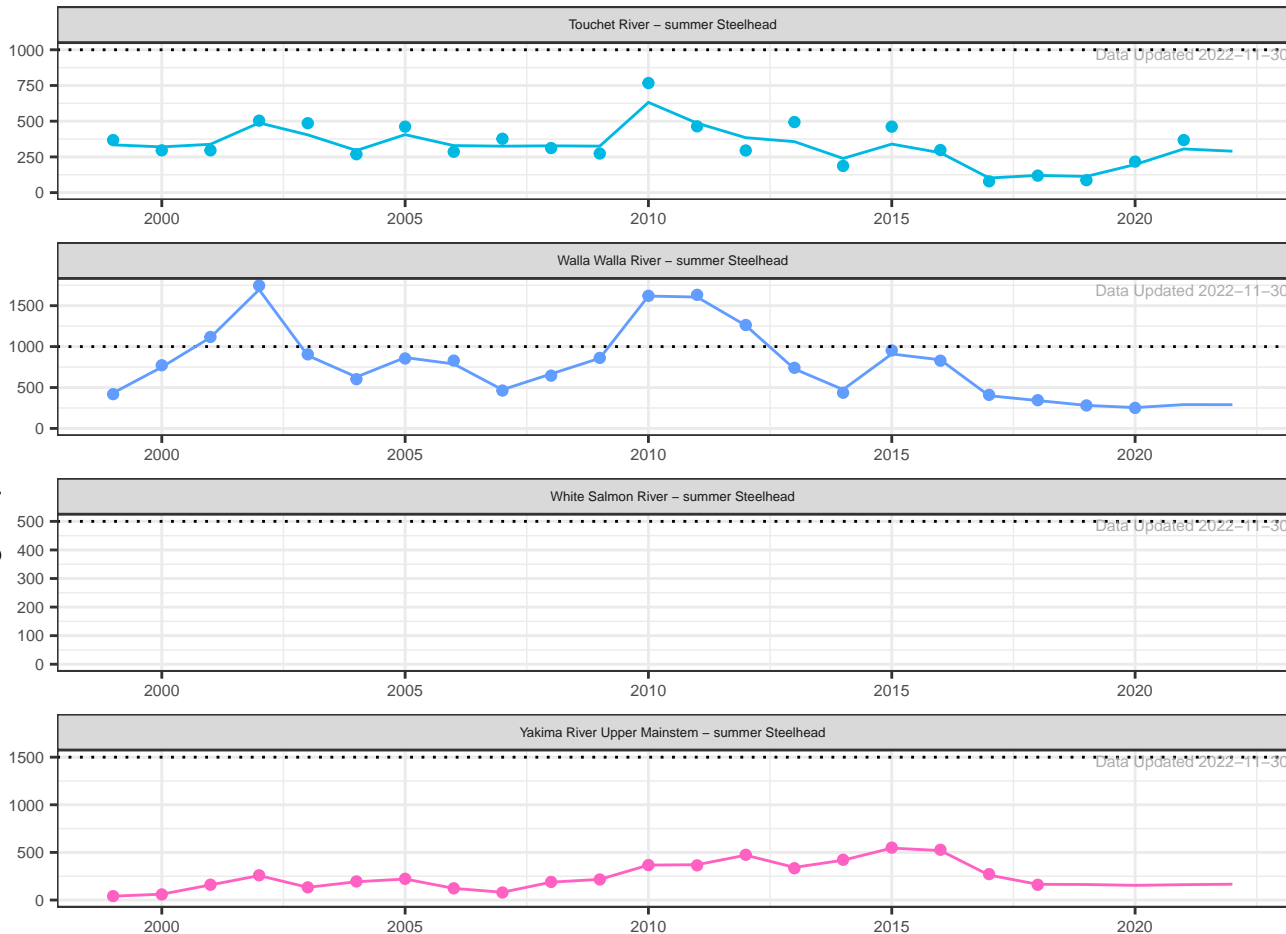
Natural Origin Spawner Abundance



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

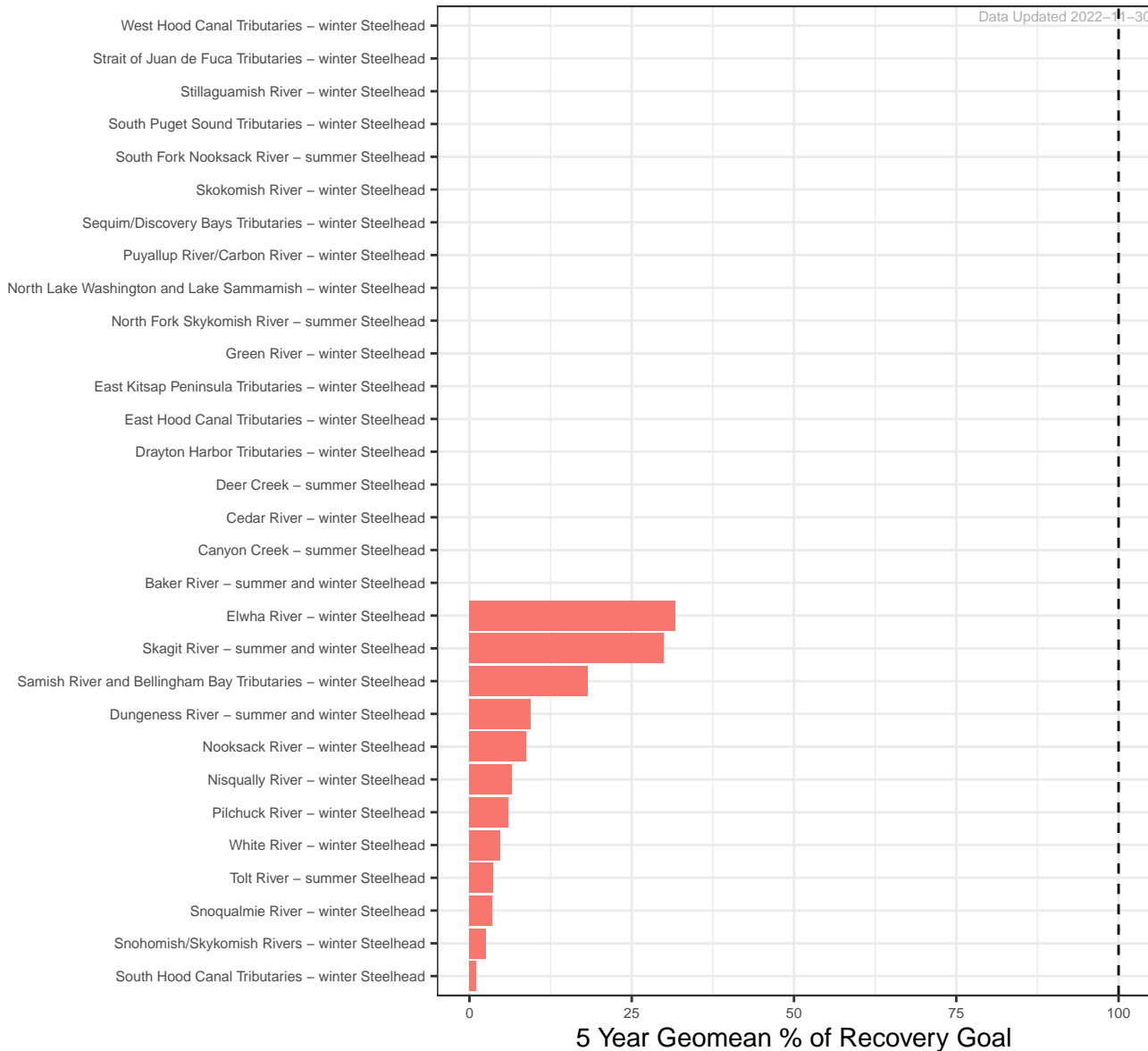
Natural Origin Spawner Abundance



SPAWNING YEAR

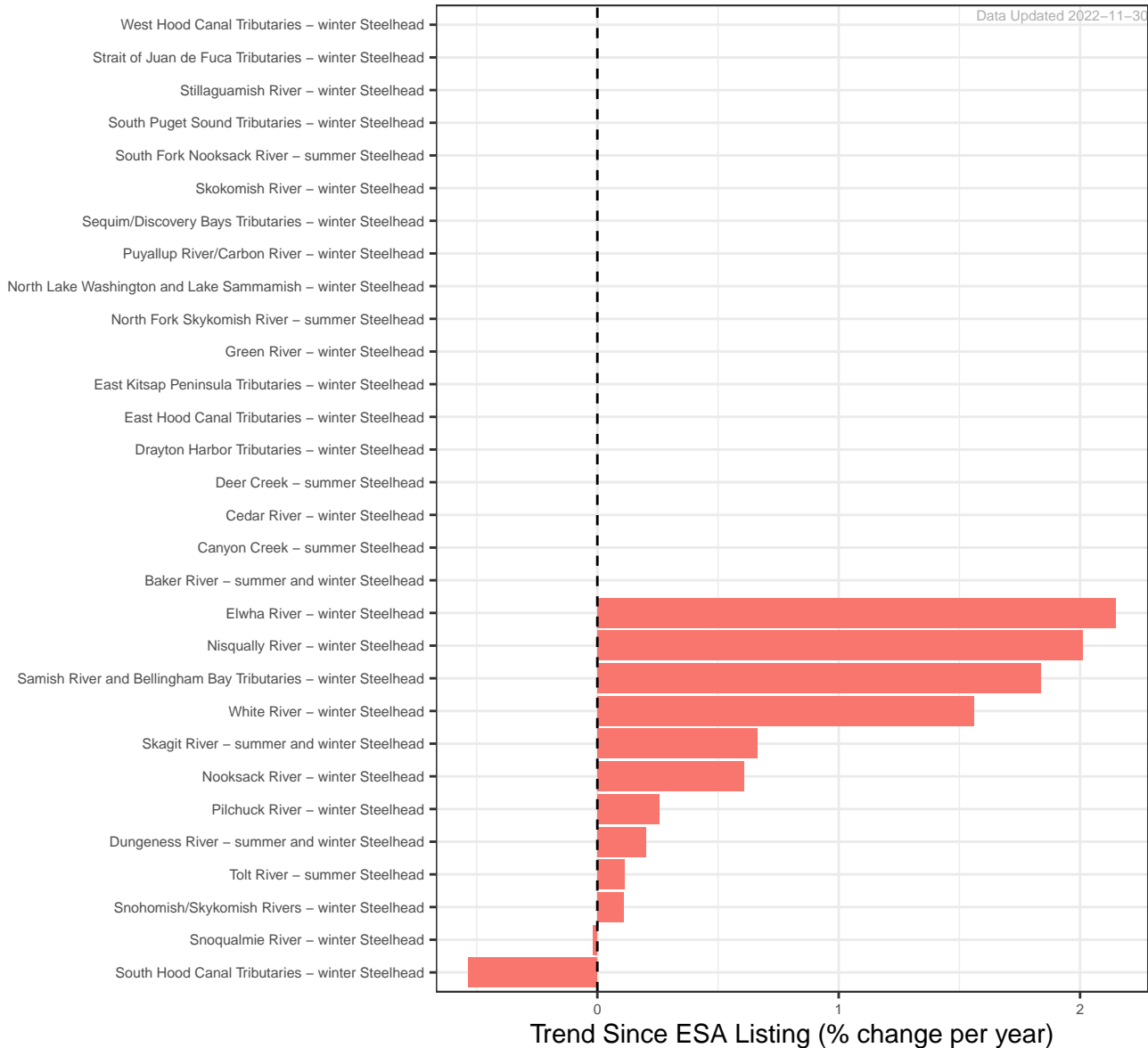
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Puget Sound Steelhead DPS



Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals. Populations with no bars had no usable data.

Puget Sound Steelhead DPS



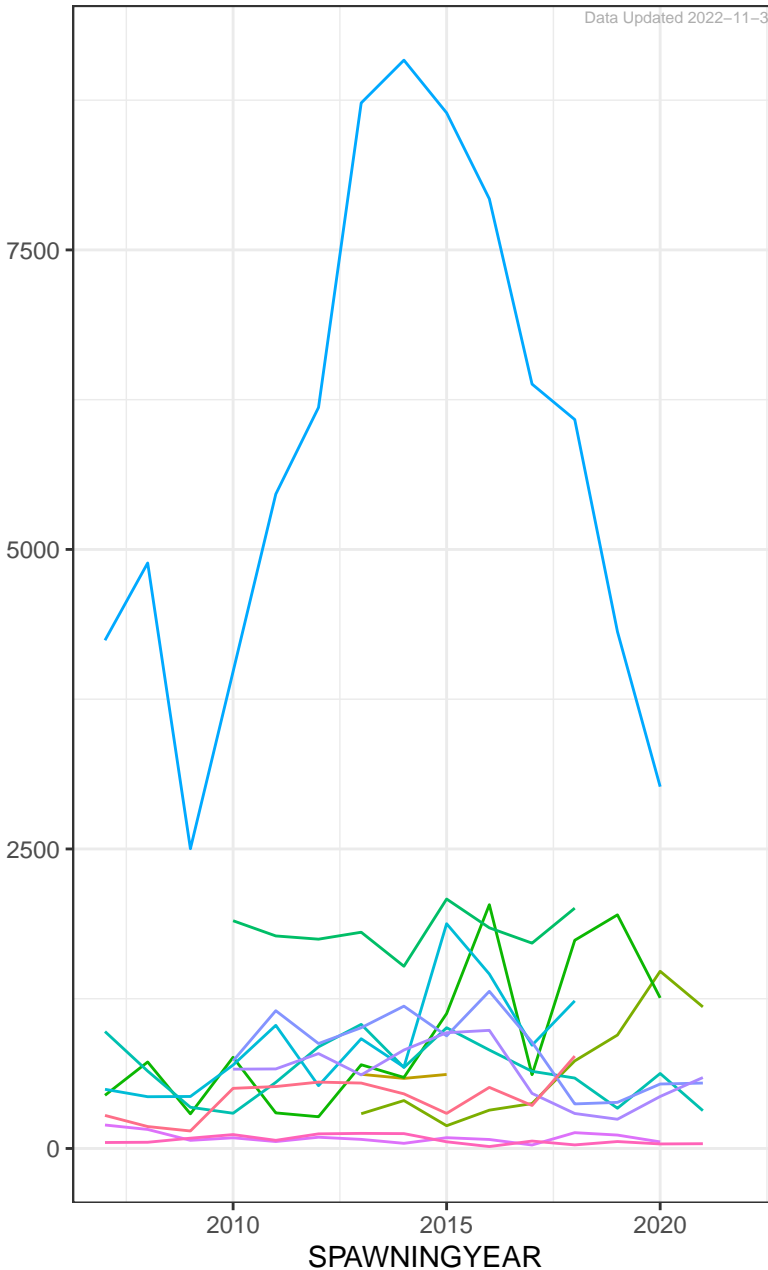
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Puget Sound Steelhead DPS

Observed Abundance

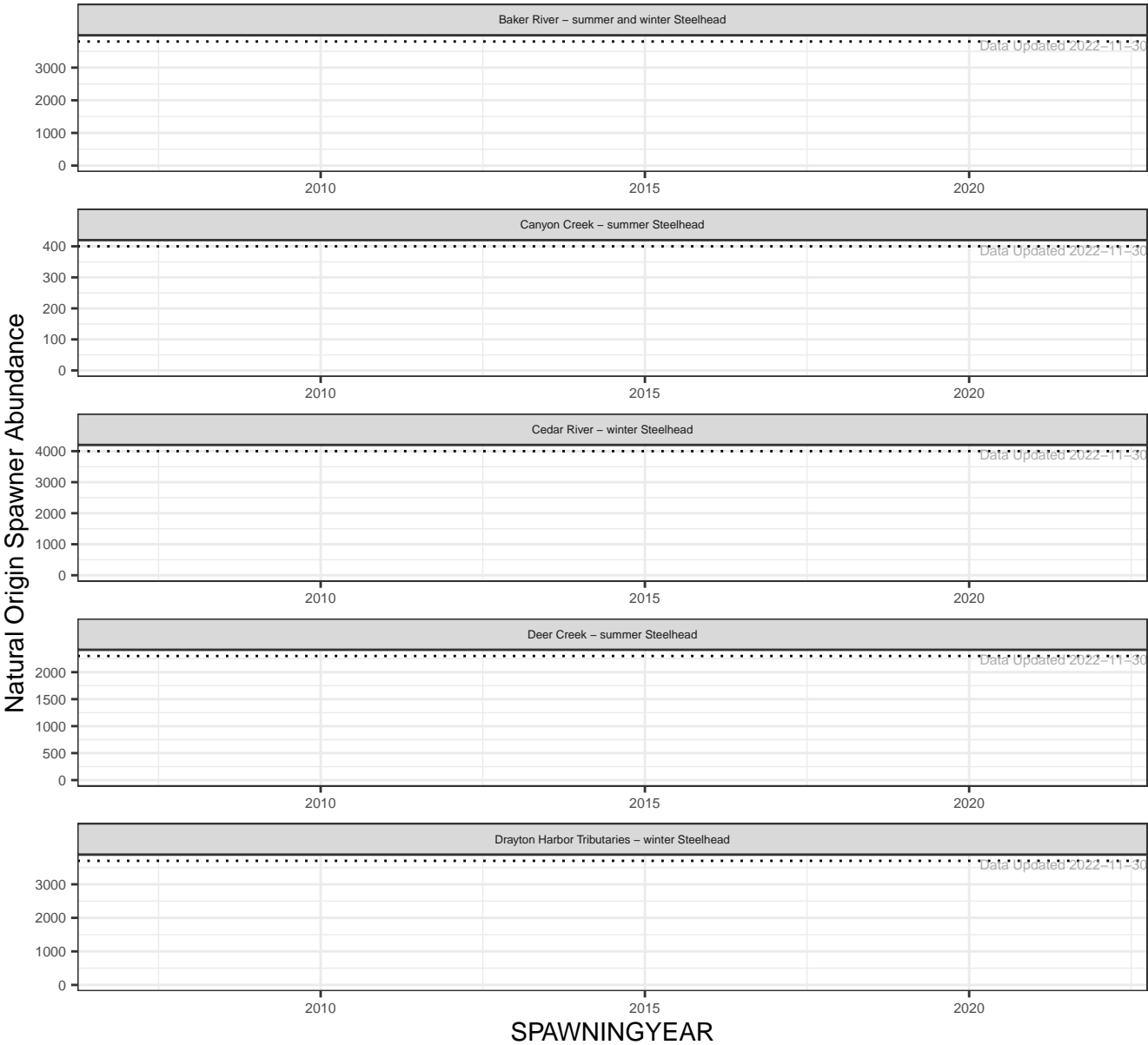
Natural Origin Spawner Abundance

Data Updated 2022-11-30



- 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

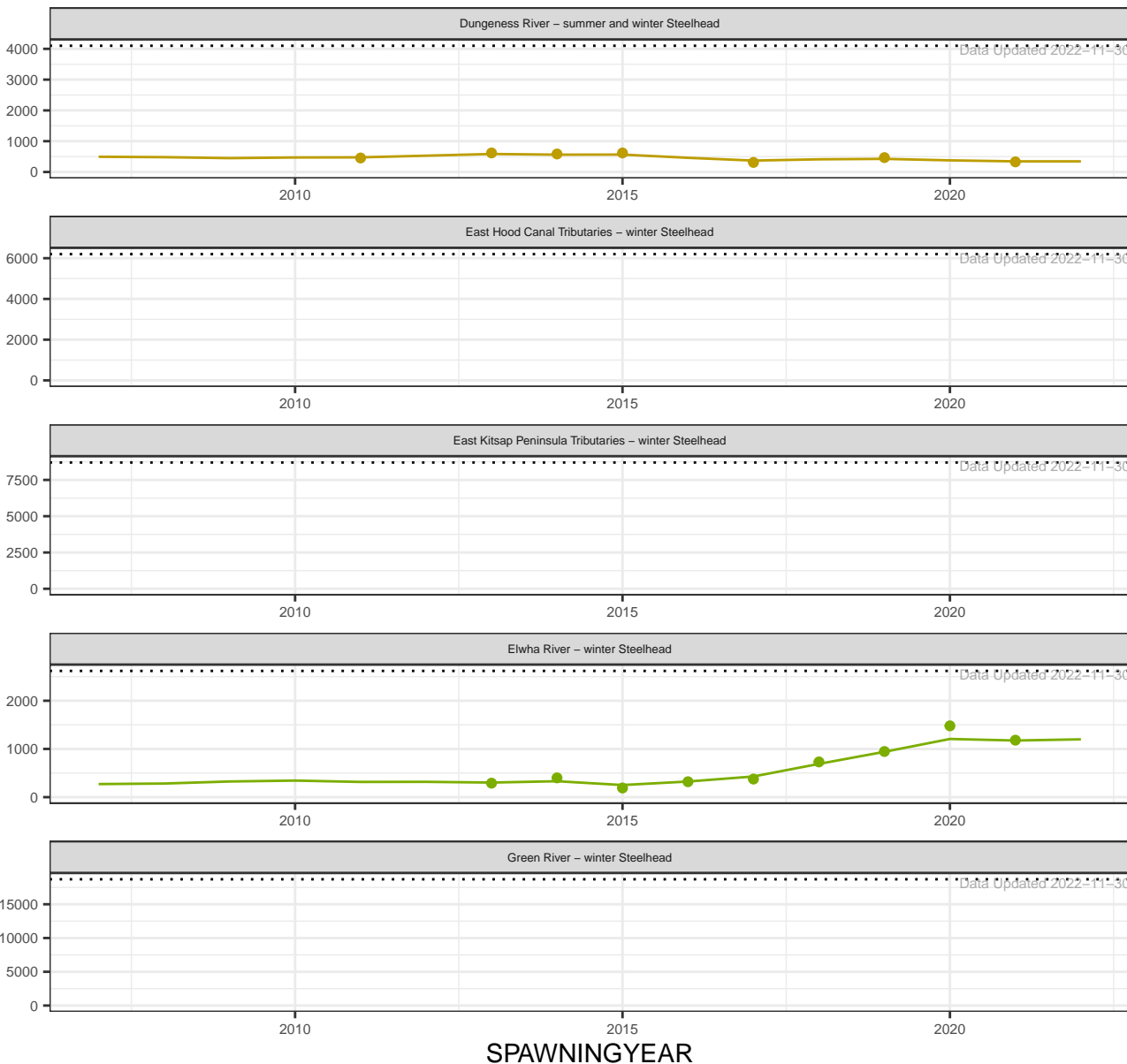
Puget Sound Steelhead DPS



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

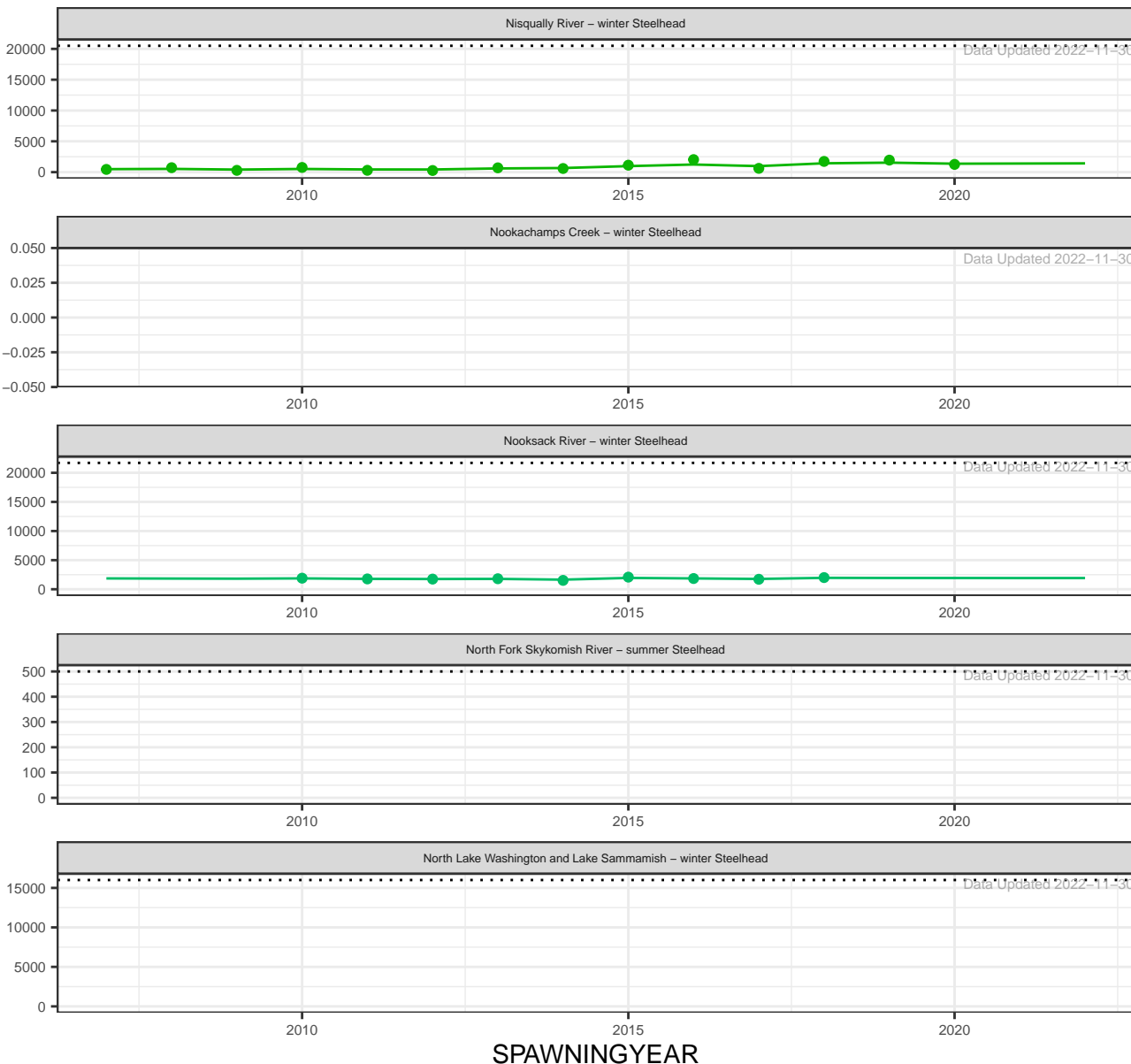
Natural Origin Spawner Abundance



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

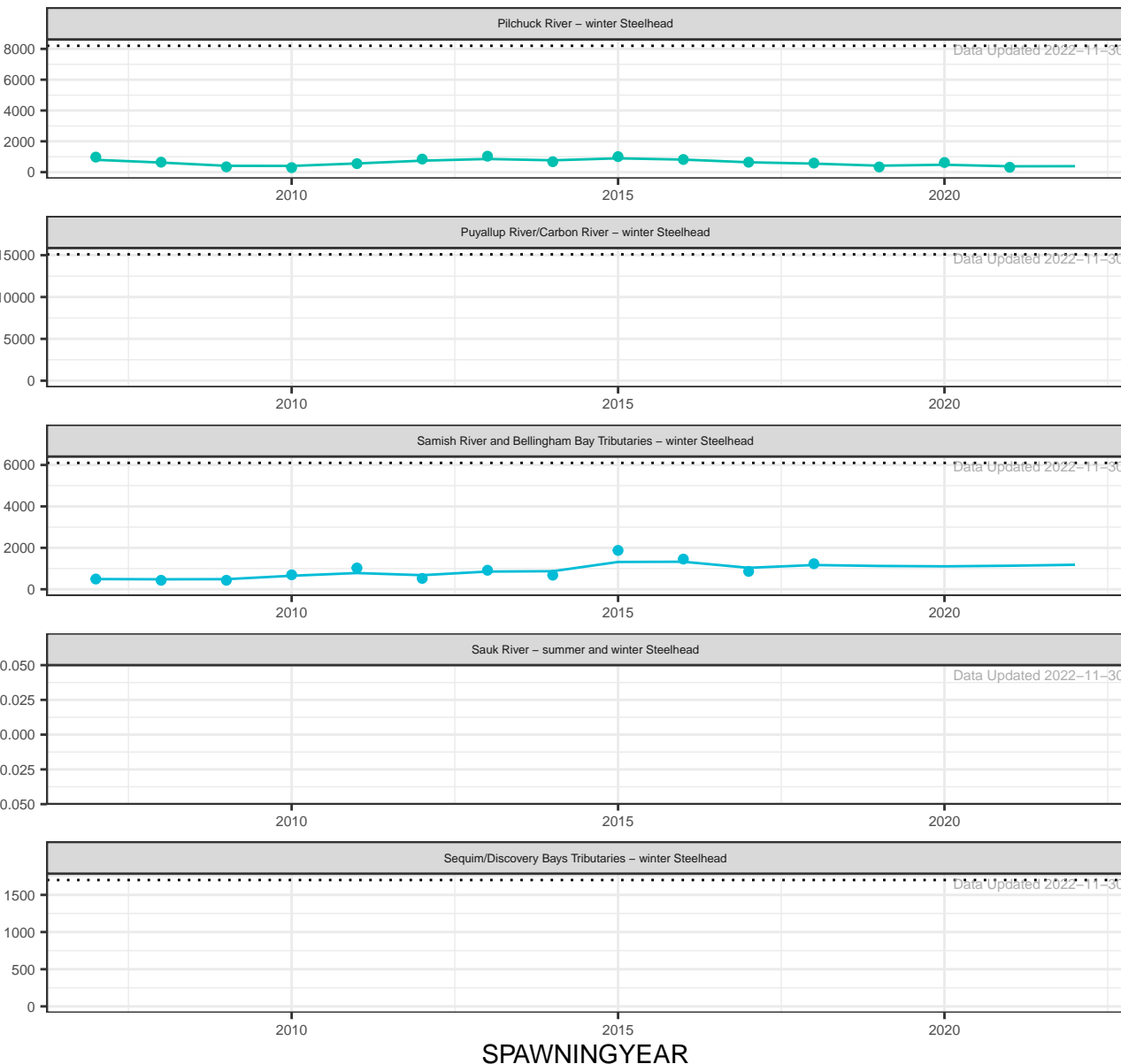
Natural Origin Spawner Abundance



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

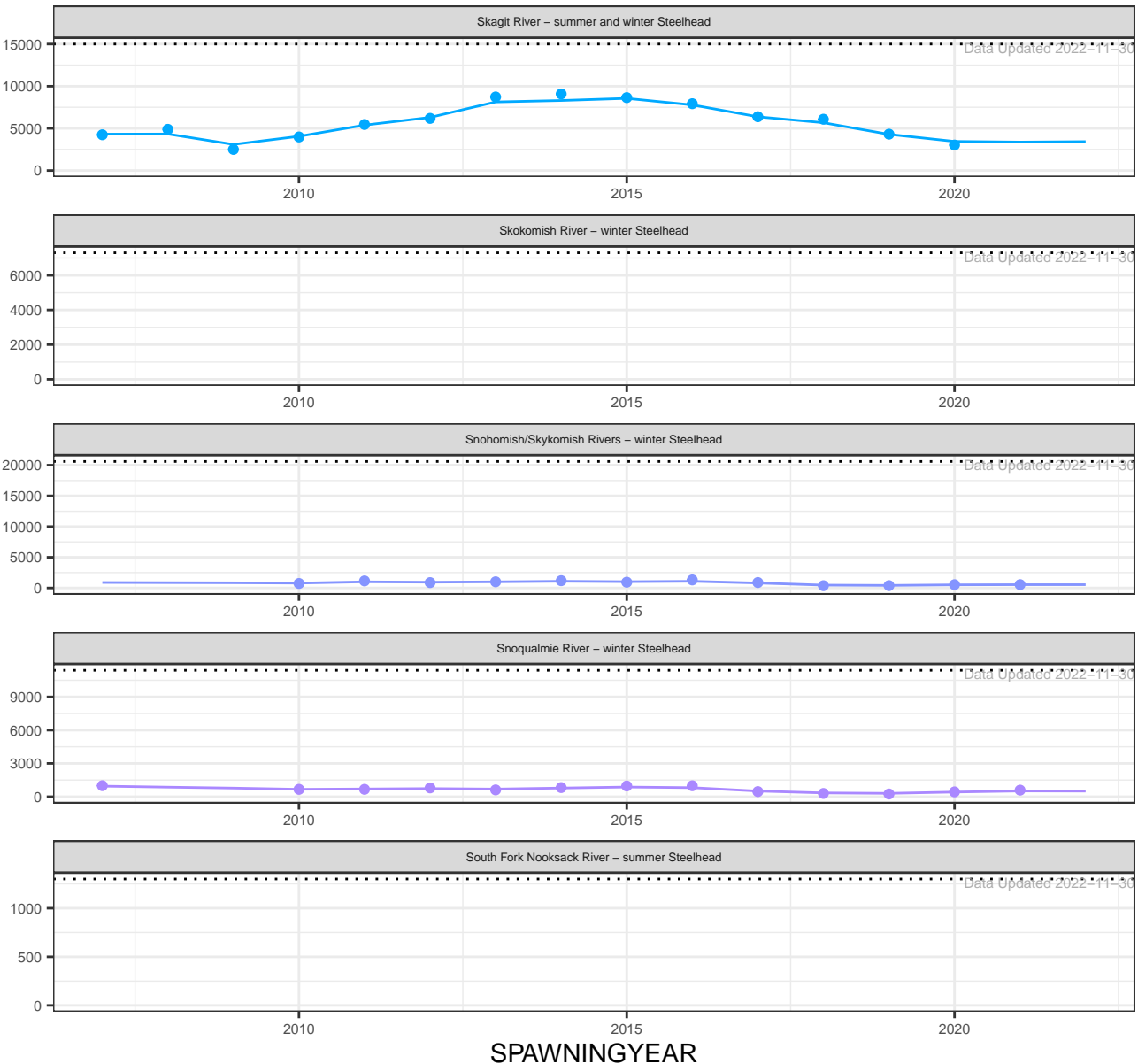
Natural Origin Spawner Abundance



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

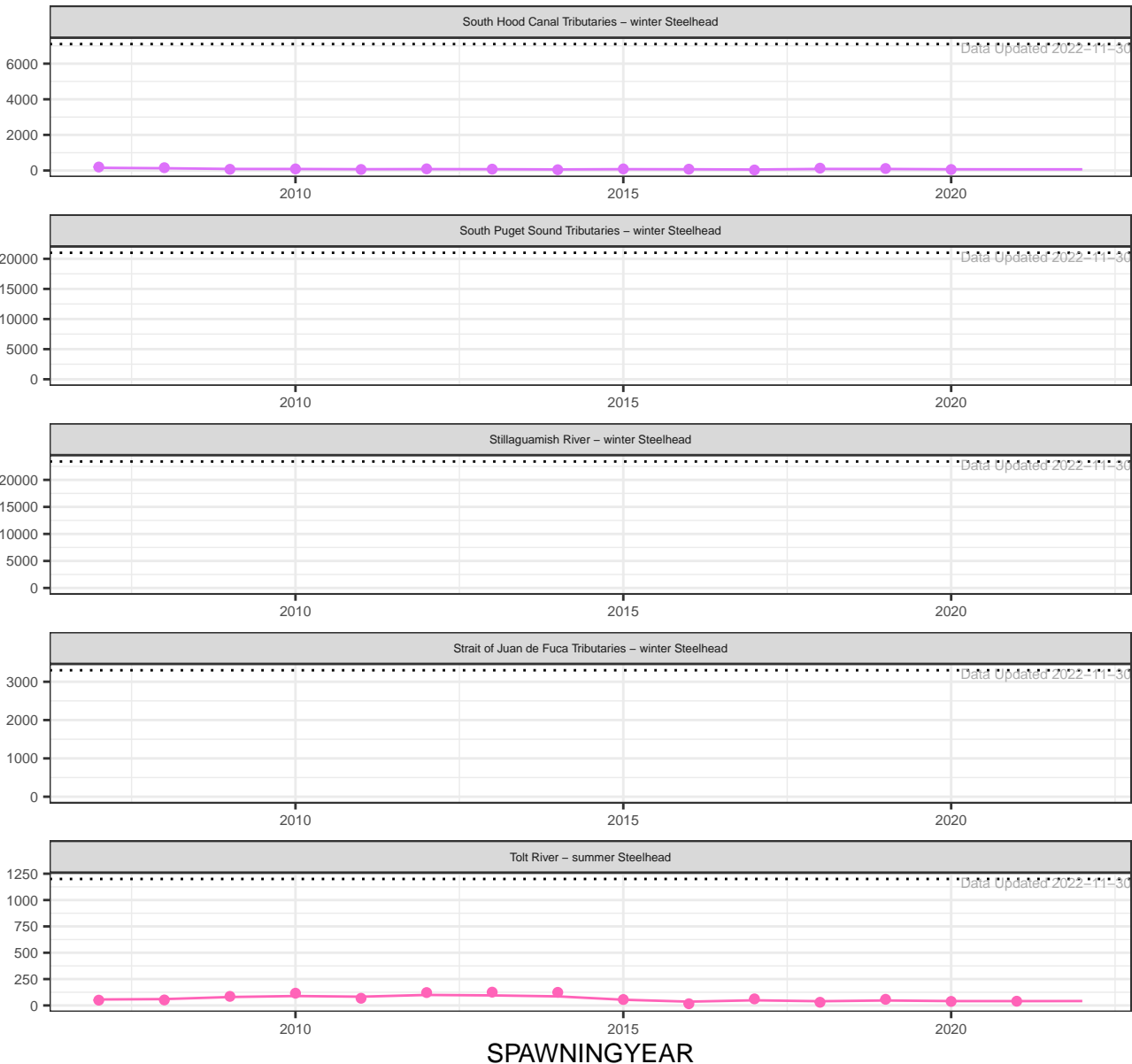
Natural Origin Spawner Abundance



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

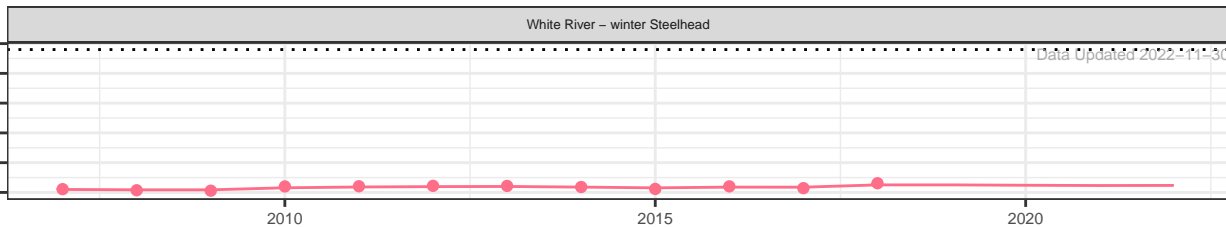
Natural Origin Spawner Abundance



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

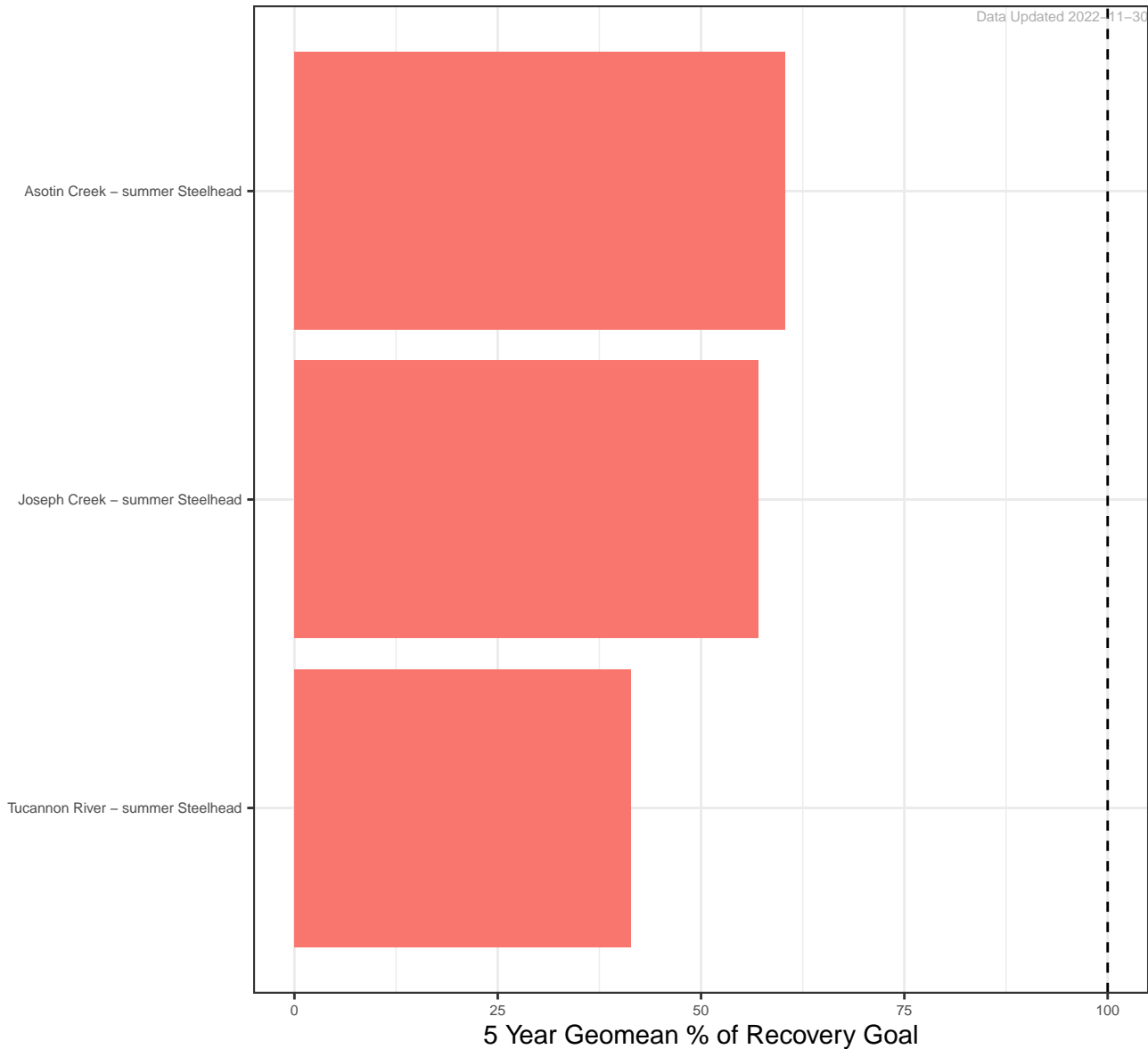
Natural Origin Spawner Abundance



SPAWNINGYEAR

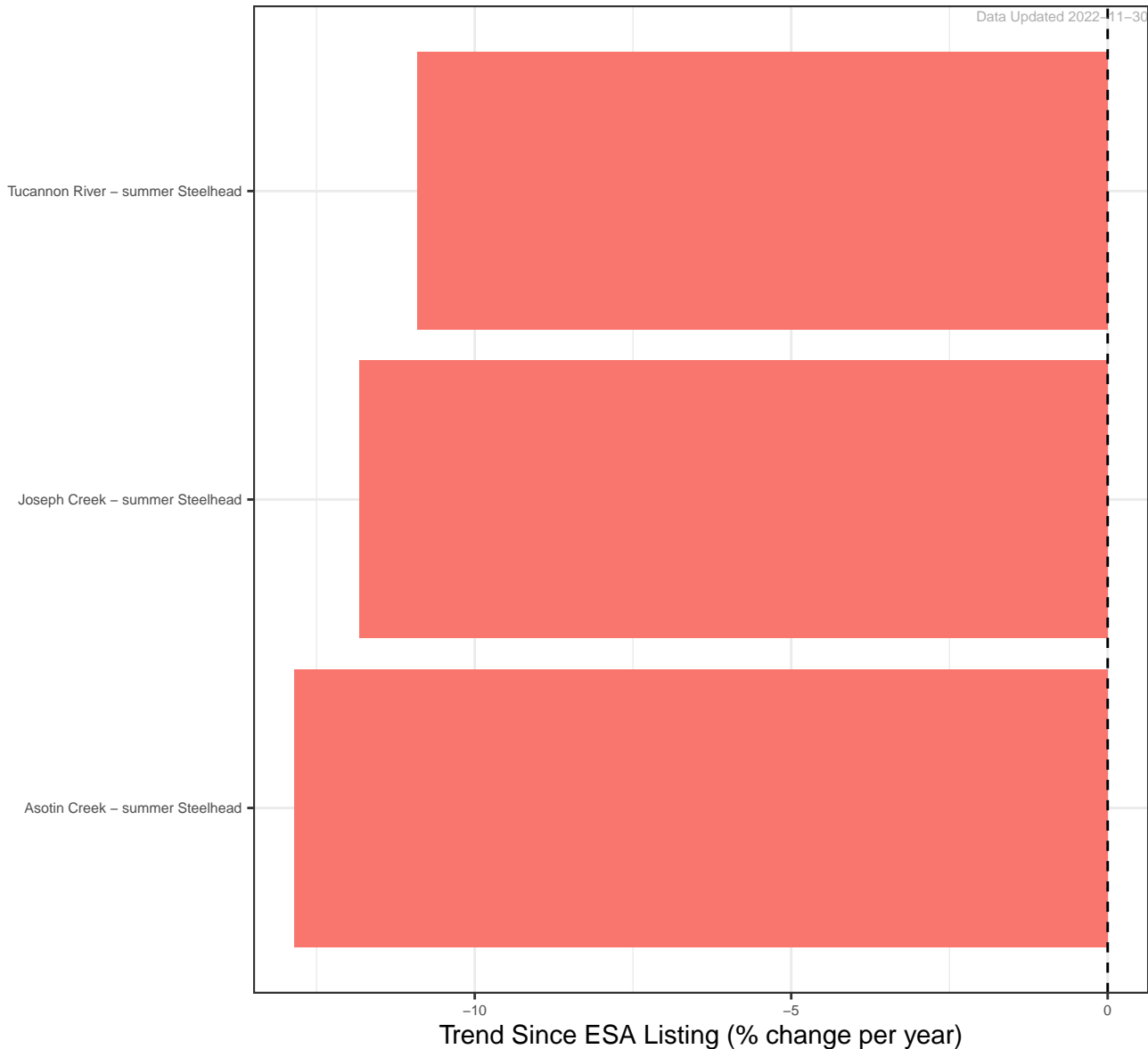
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Snake River Basin Steelhead DPS



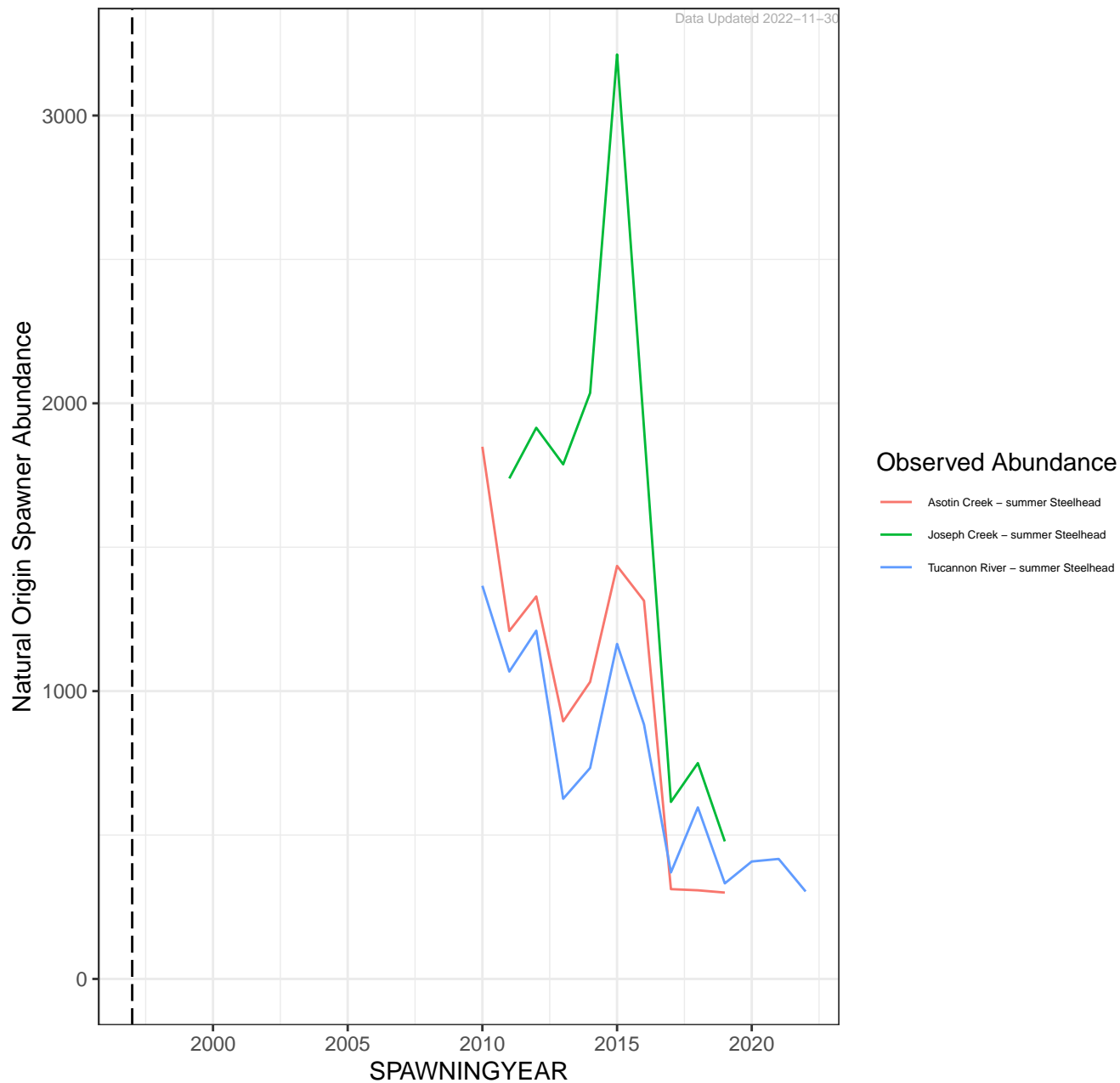
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Snake River Basin Steelhead DPS

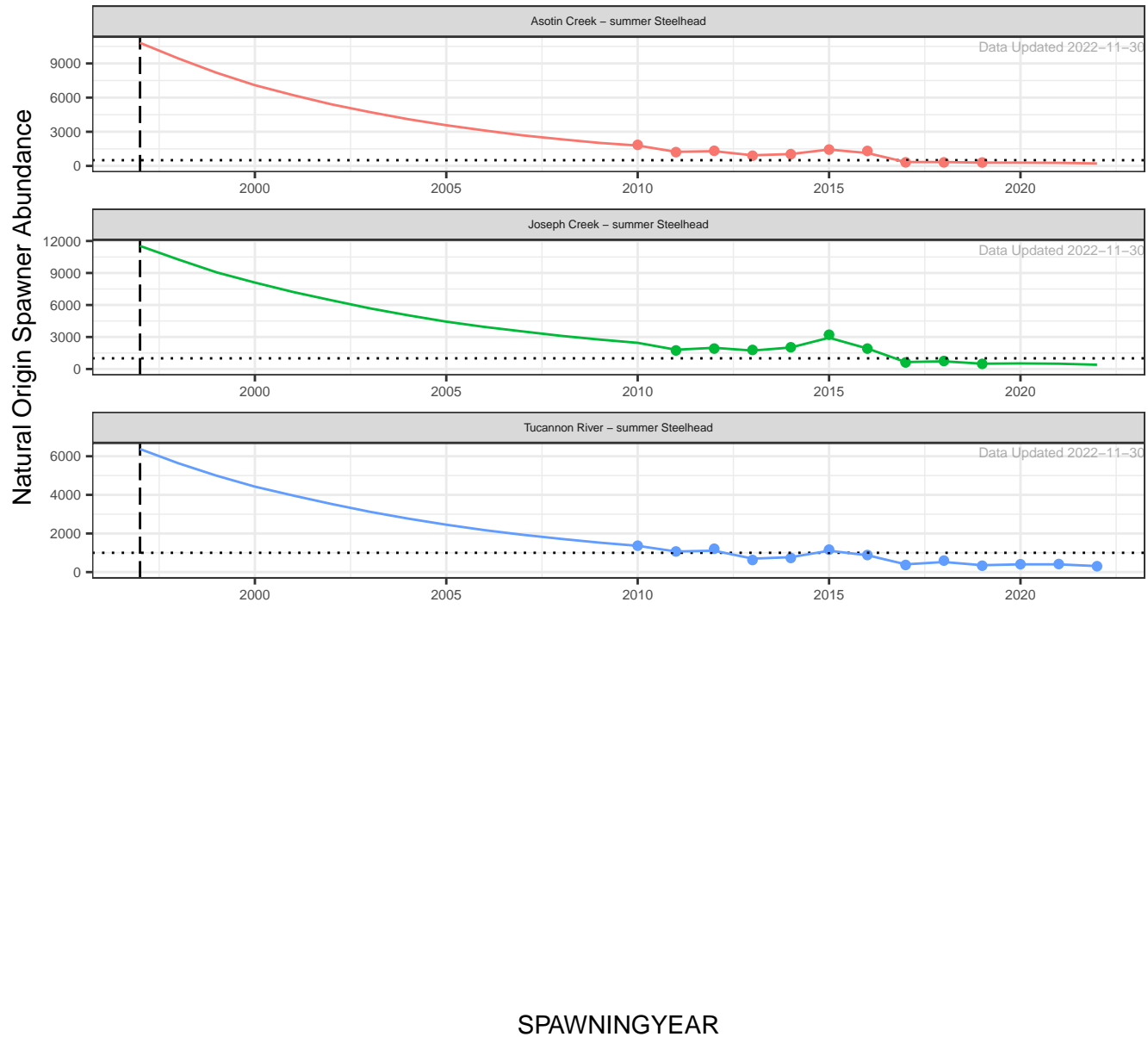


Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Snake River Basin Steelhead DPS

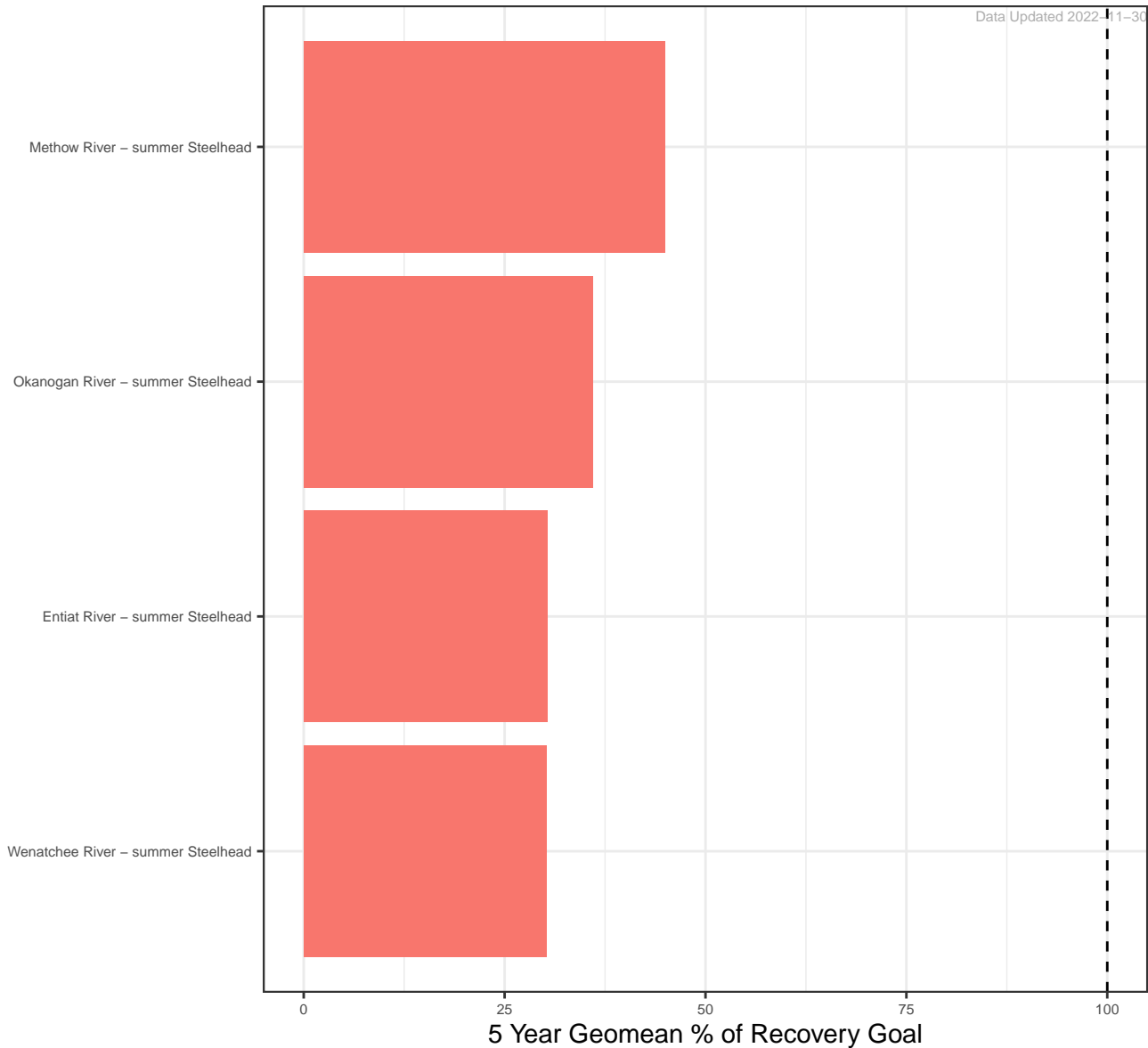


Snake River Basin Steelhead DPS



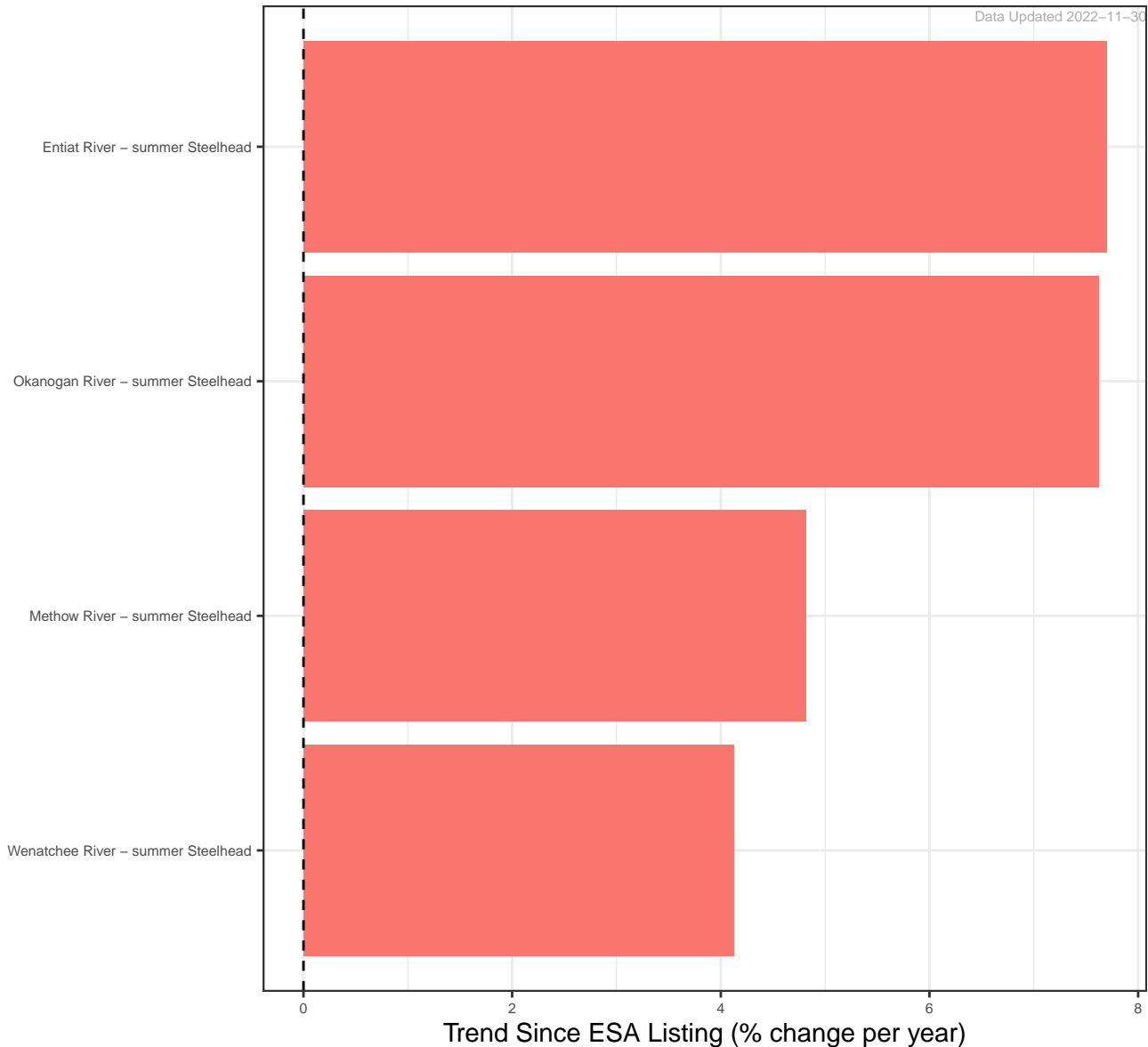
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Upper Columbia River Steelhead DPS



Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Upper Columbia River Steelhead DPS



Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

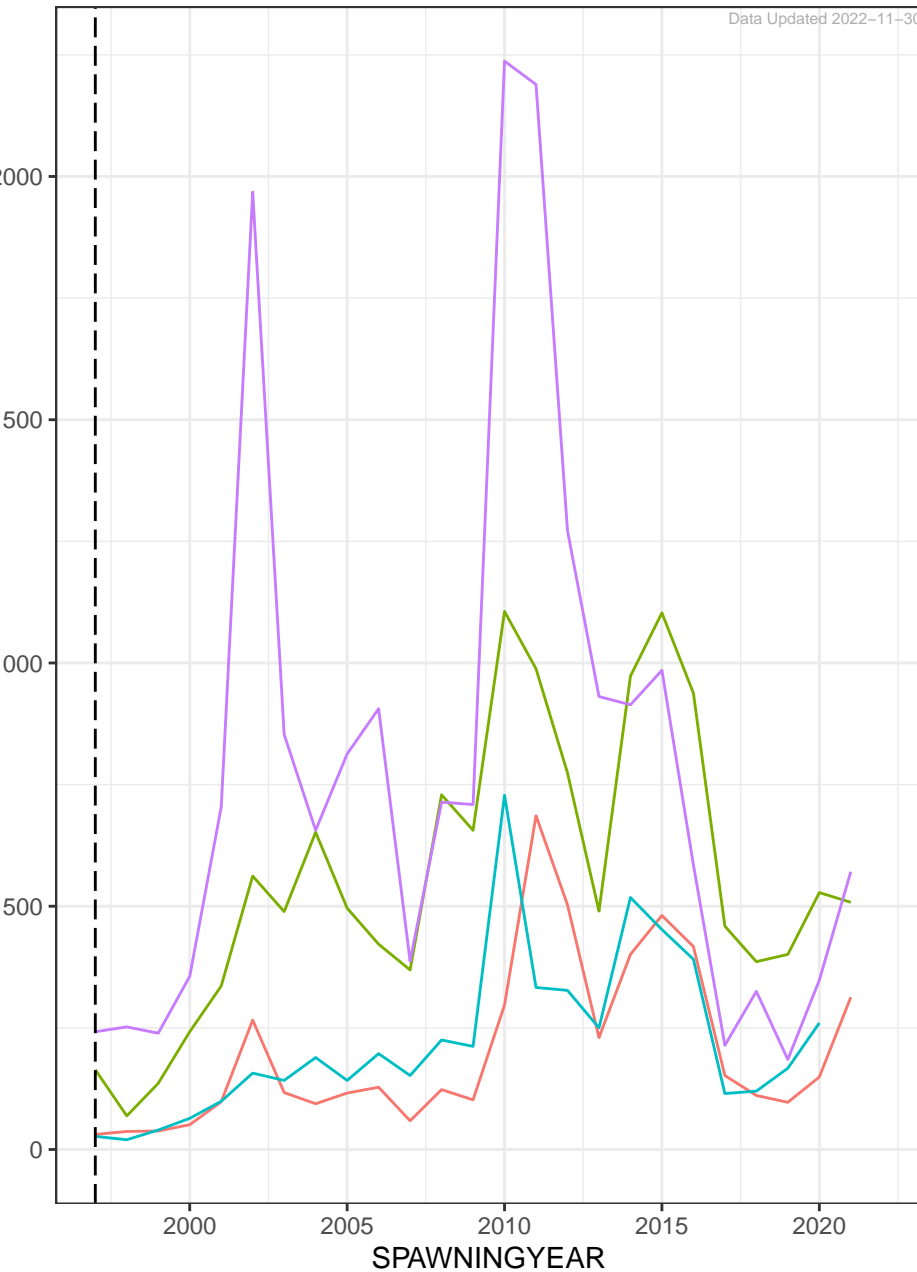
Upper Columbia River Steelhead DPS

Data Updated 2022-11-30

Natural Origin Spawner Abundance

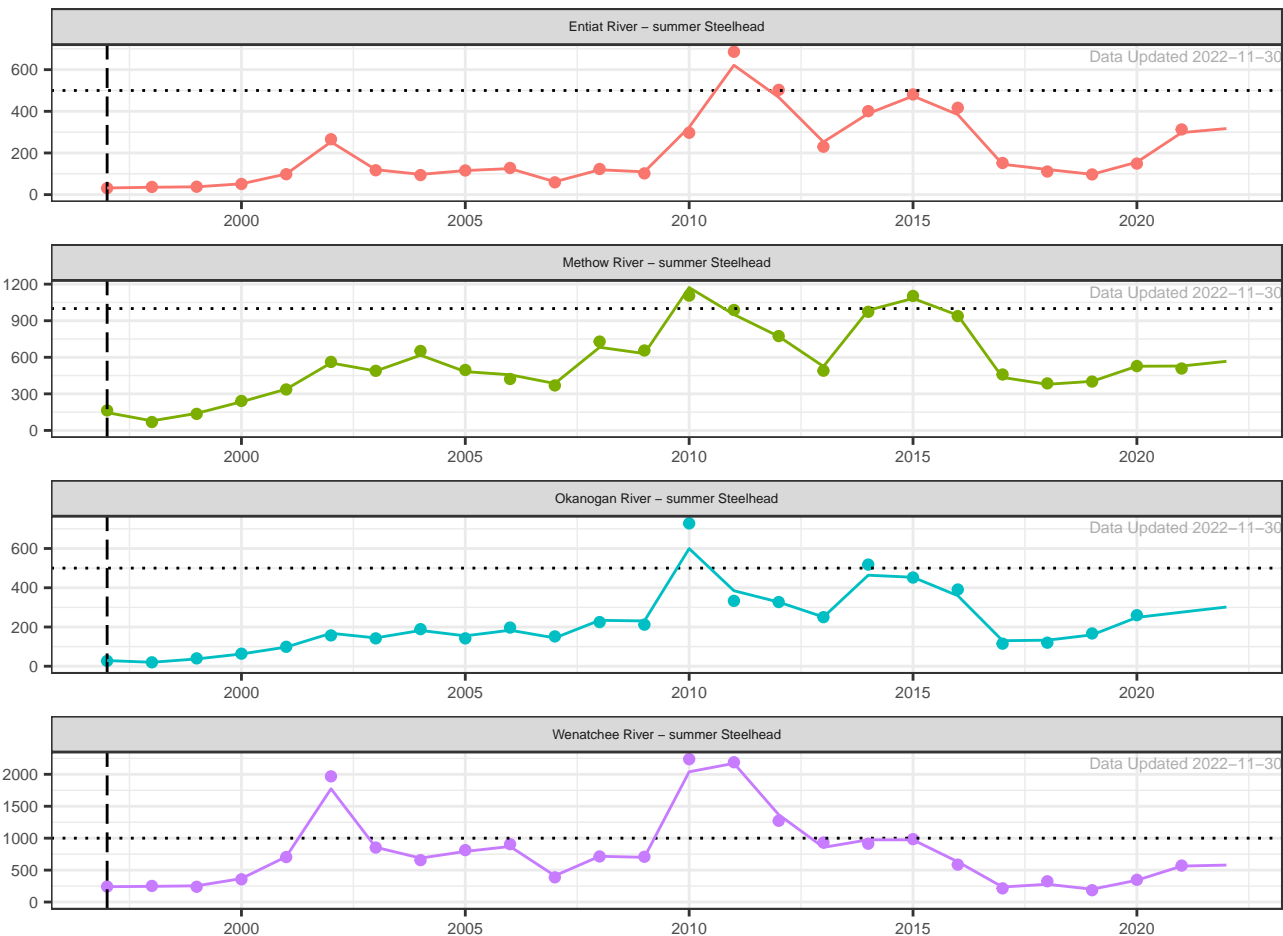
Observed Abundance

- 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.