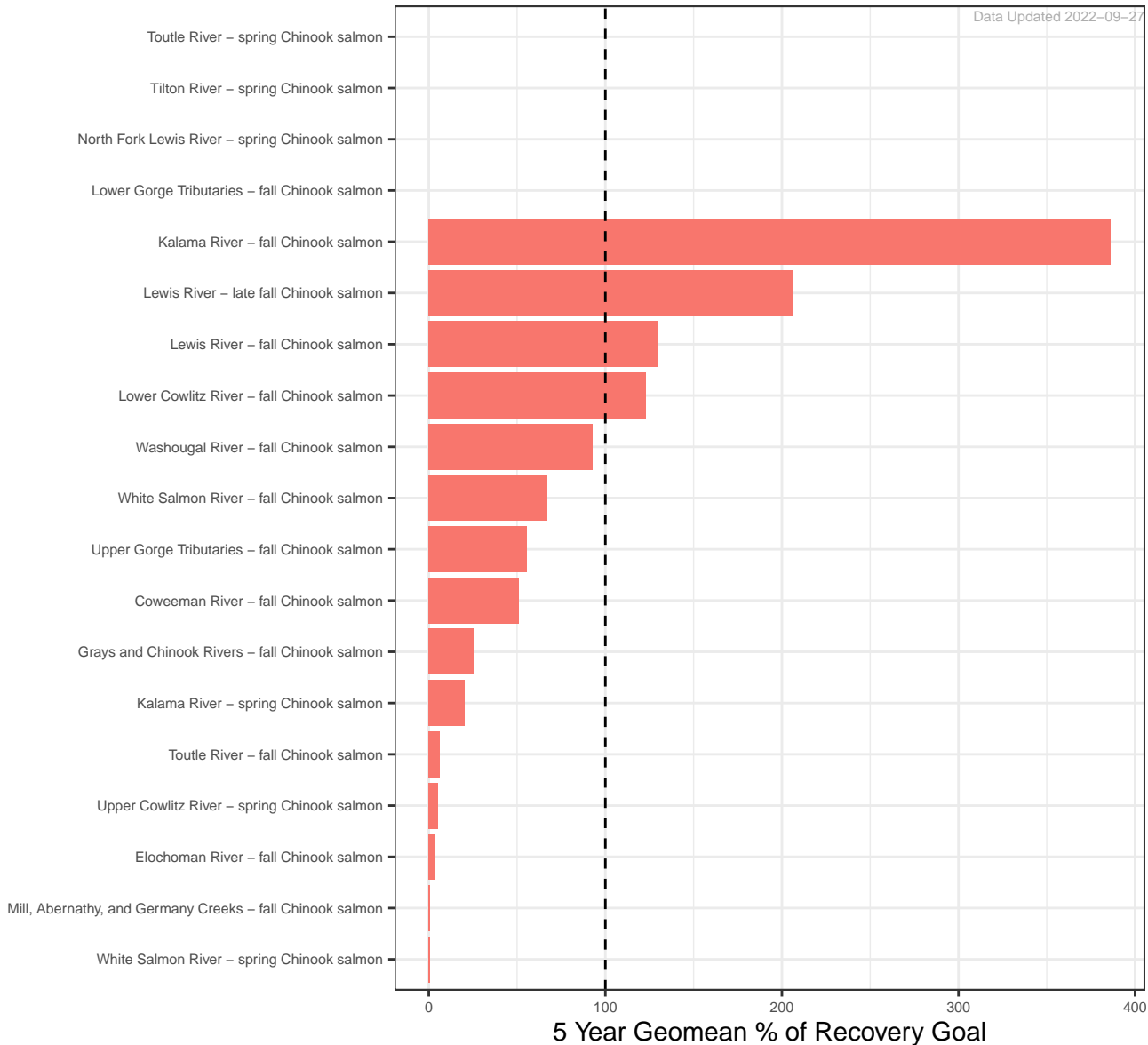
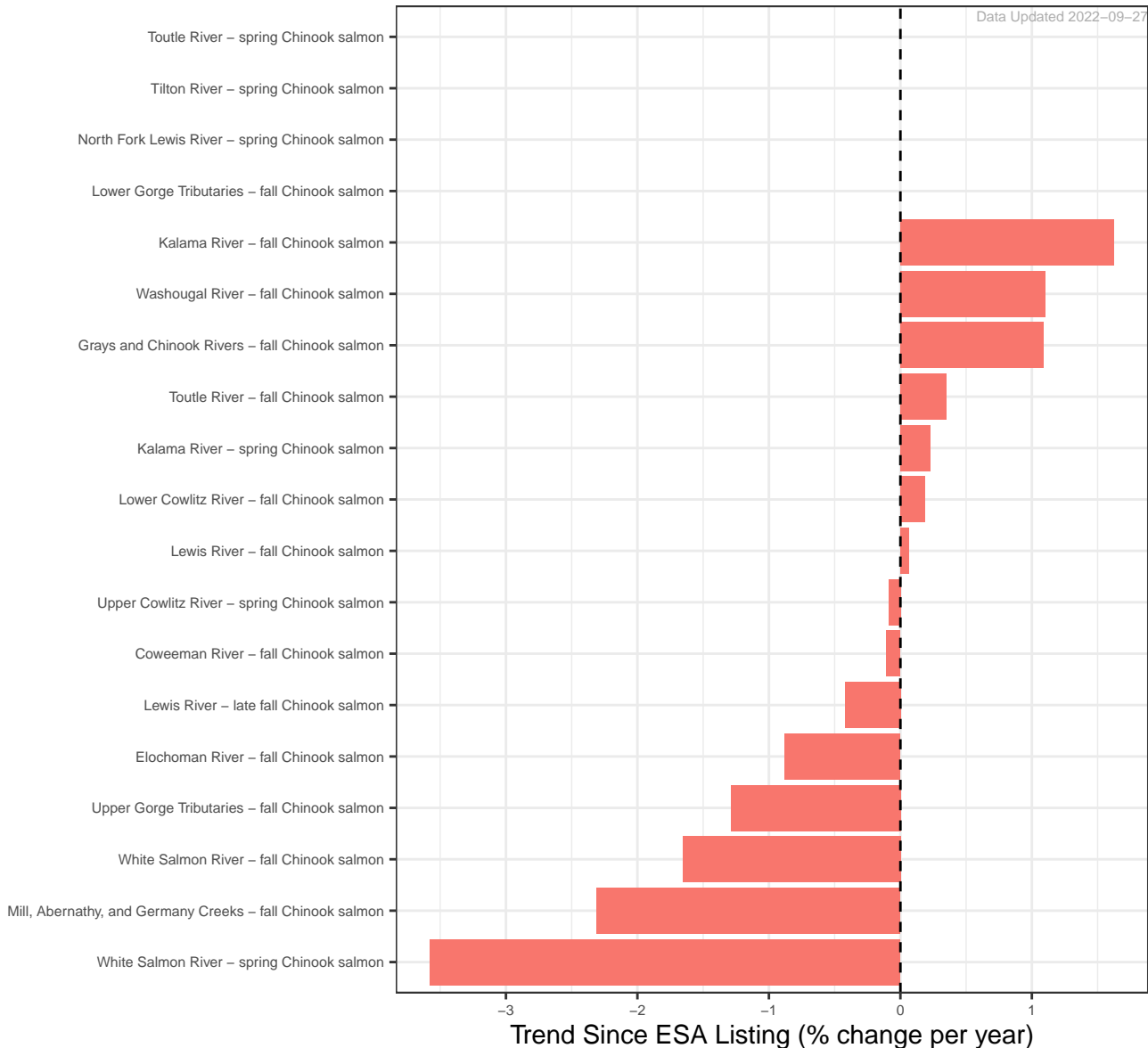


Lower Columbia River Chinook ESU



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

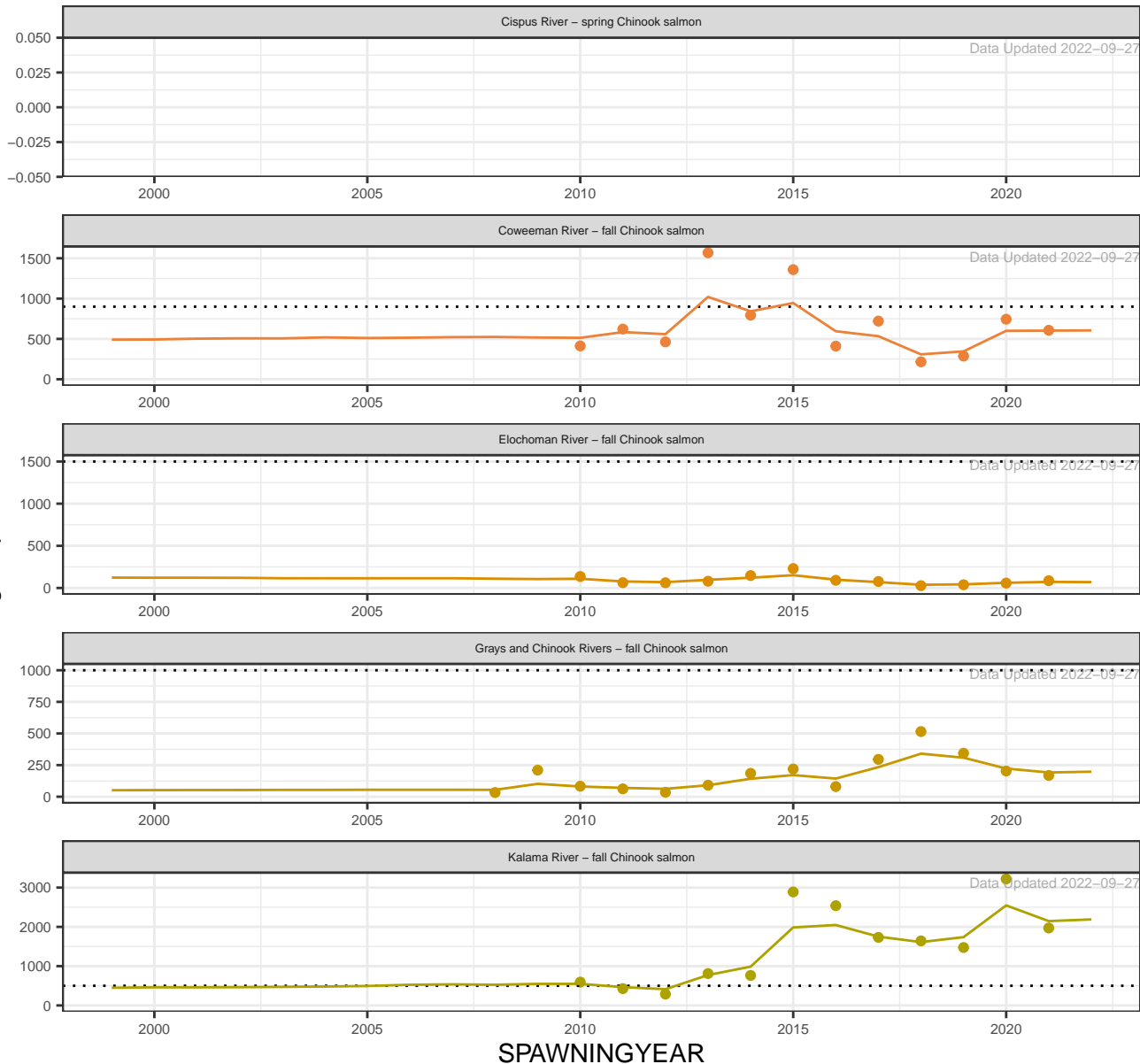
Data Updated 2022-09-27

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

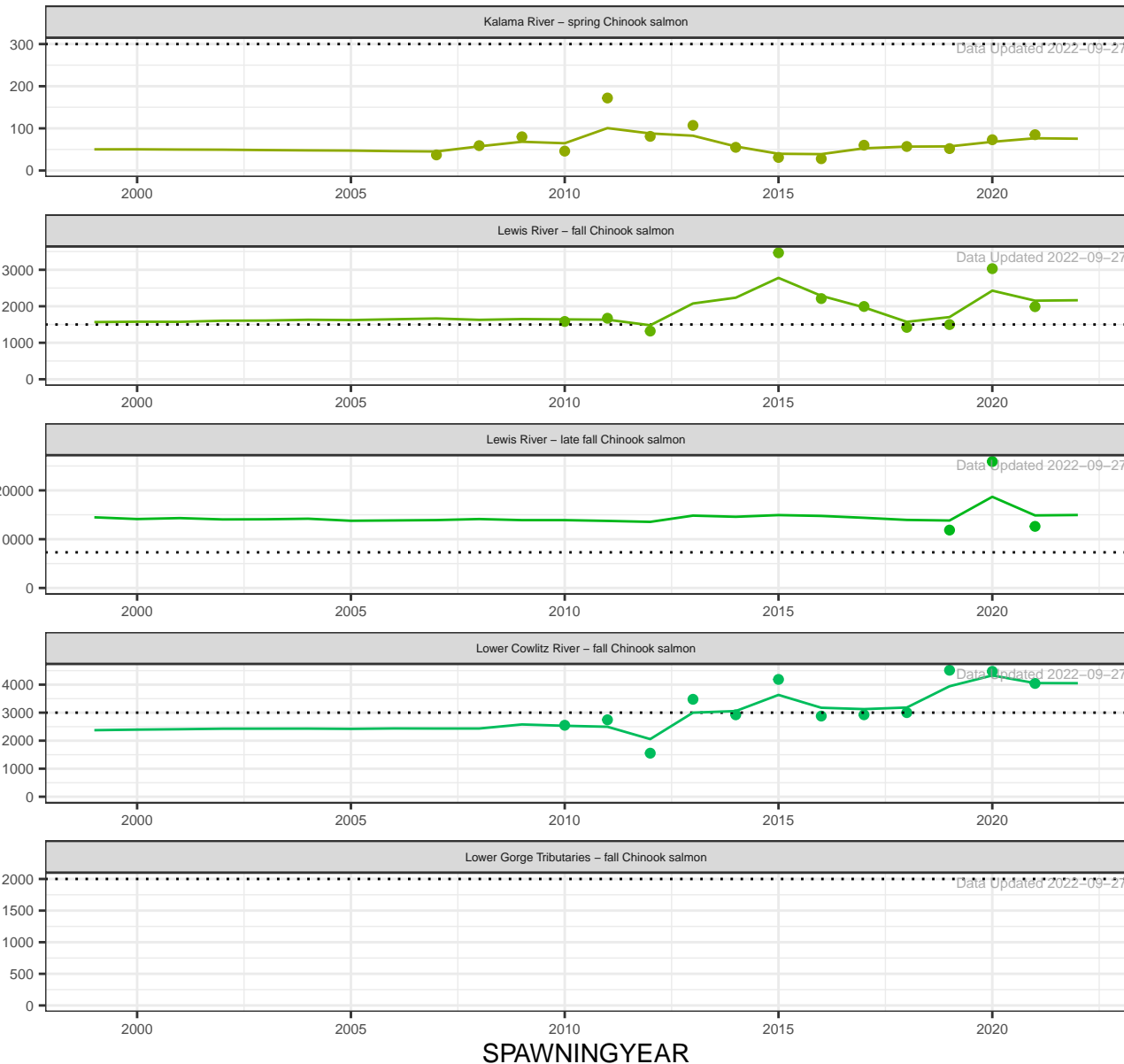
Natural Origin Spawner Abundance



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

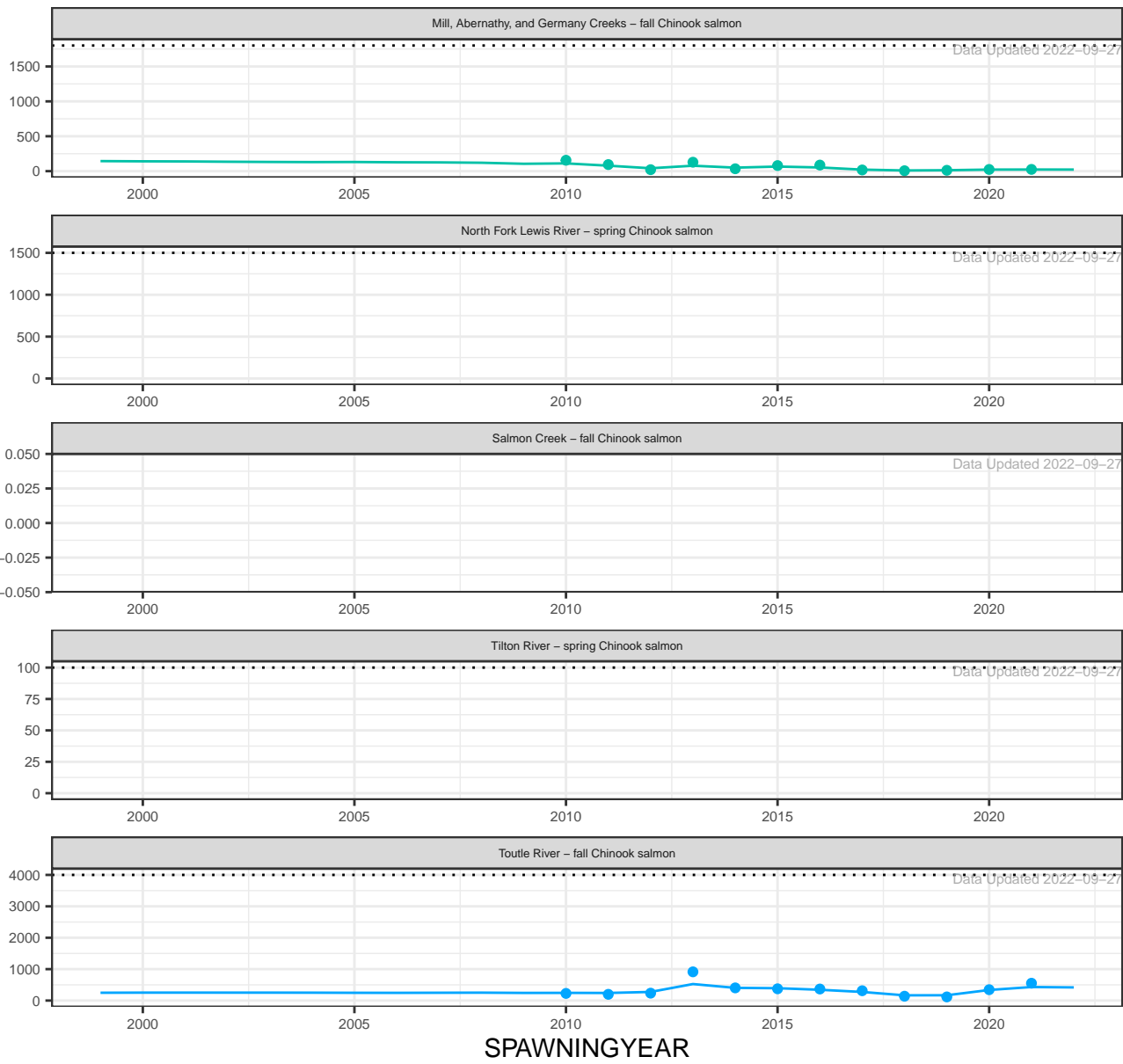
Natural Origin Spawner Abundance



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

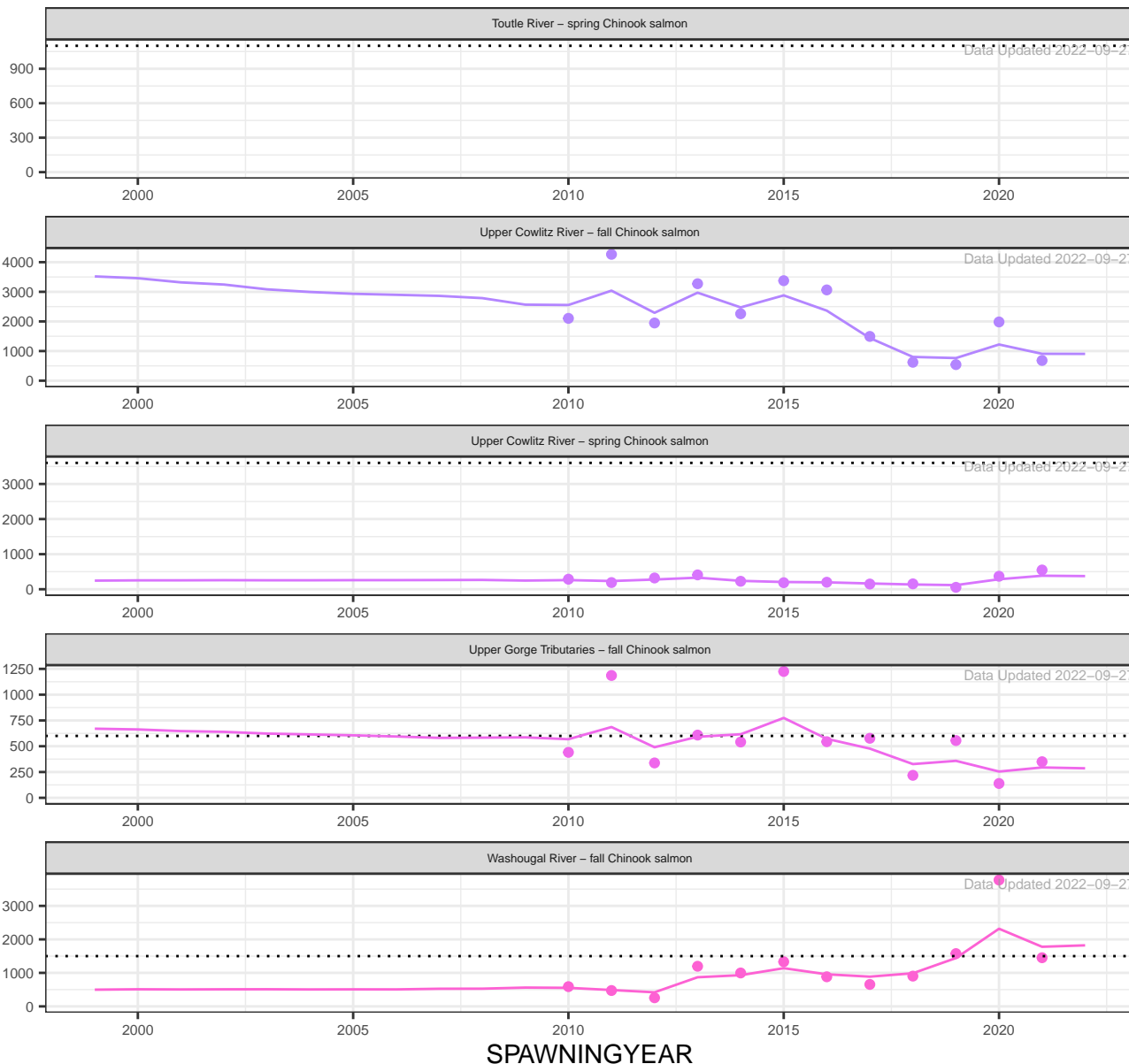
Natural Origin Spawner Abundance



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

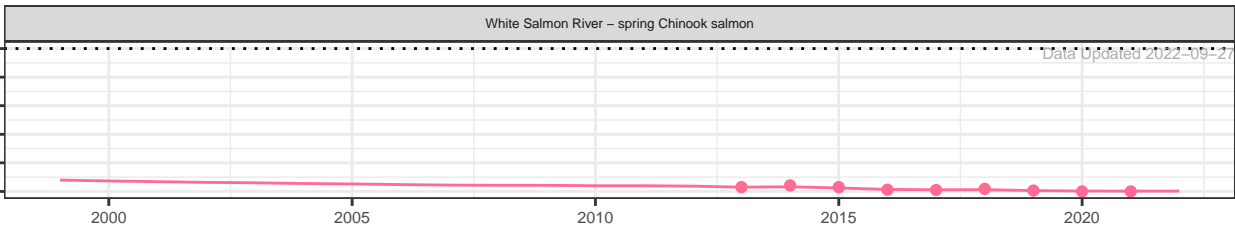
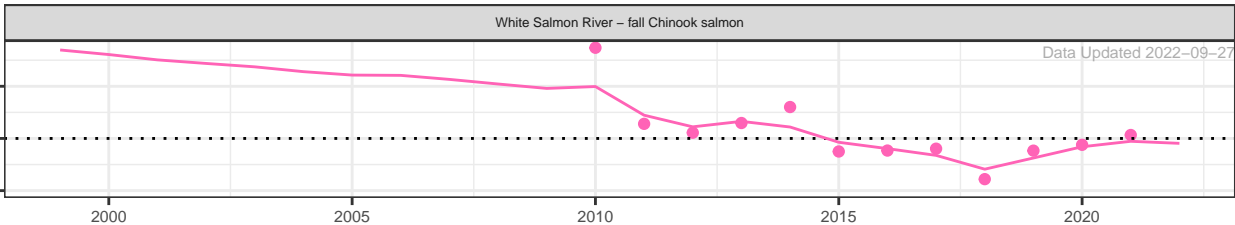
Natural Origin Spawner Abundance



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

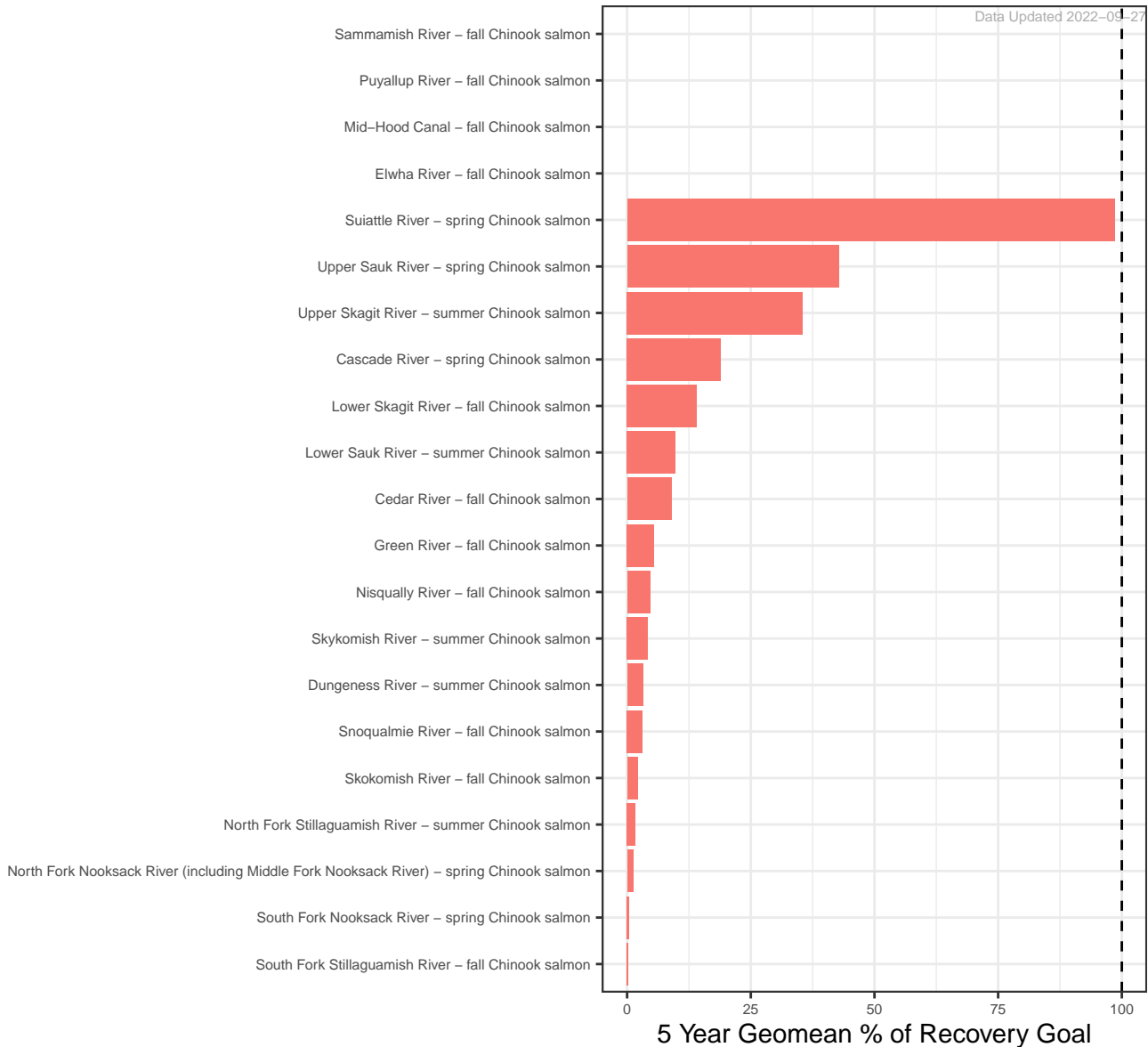
Natural Origin Spawner Abundance



SPAWNINGYEAR

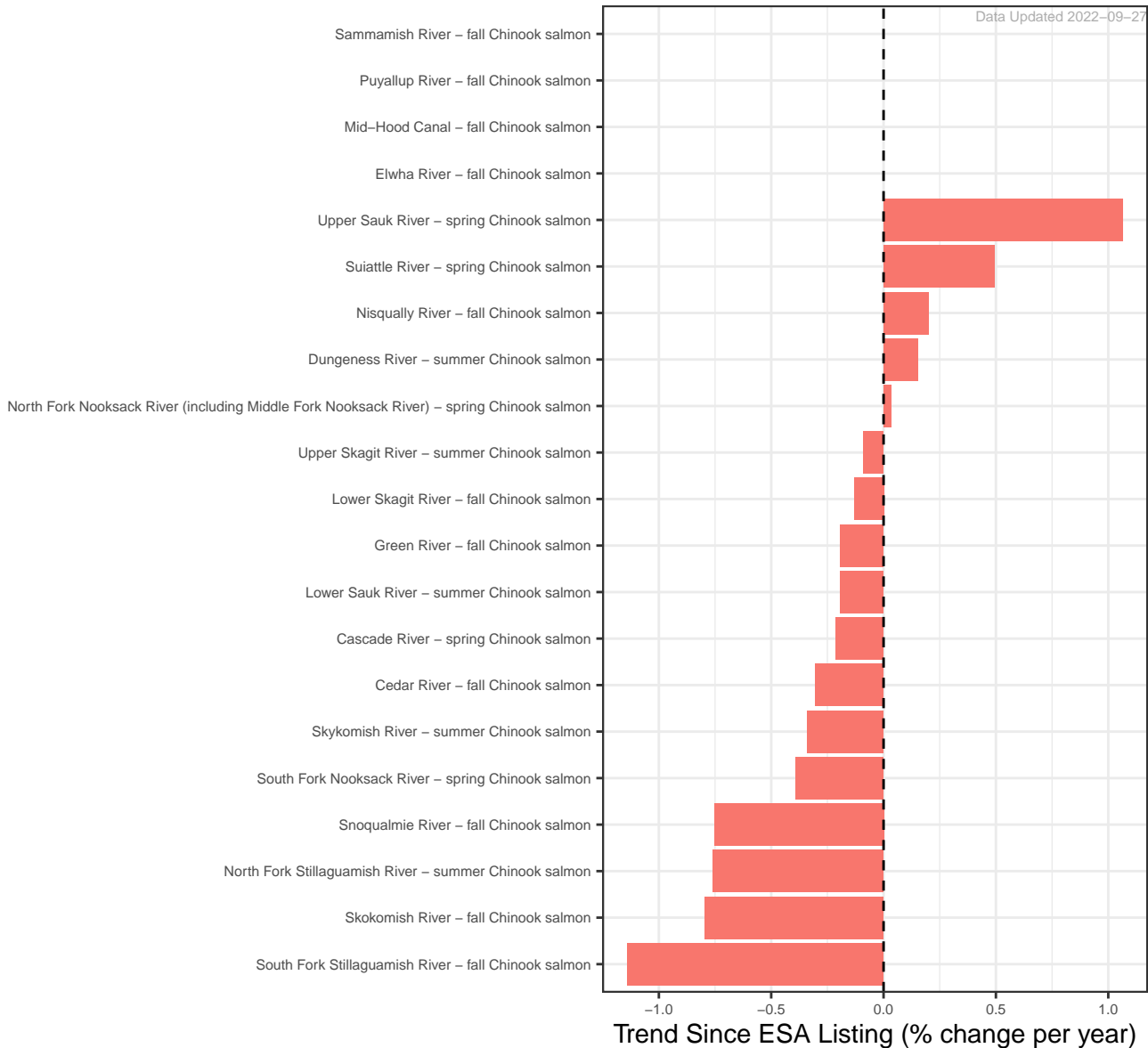
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Puget Sound Chinook ESU



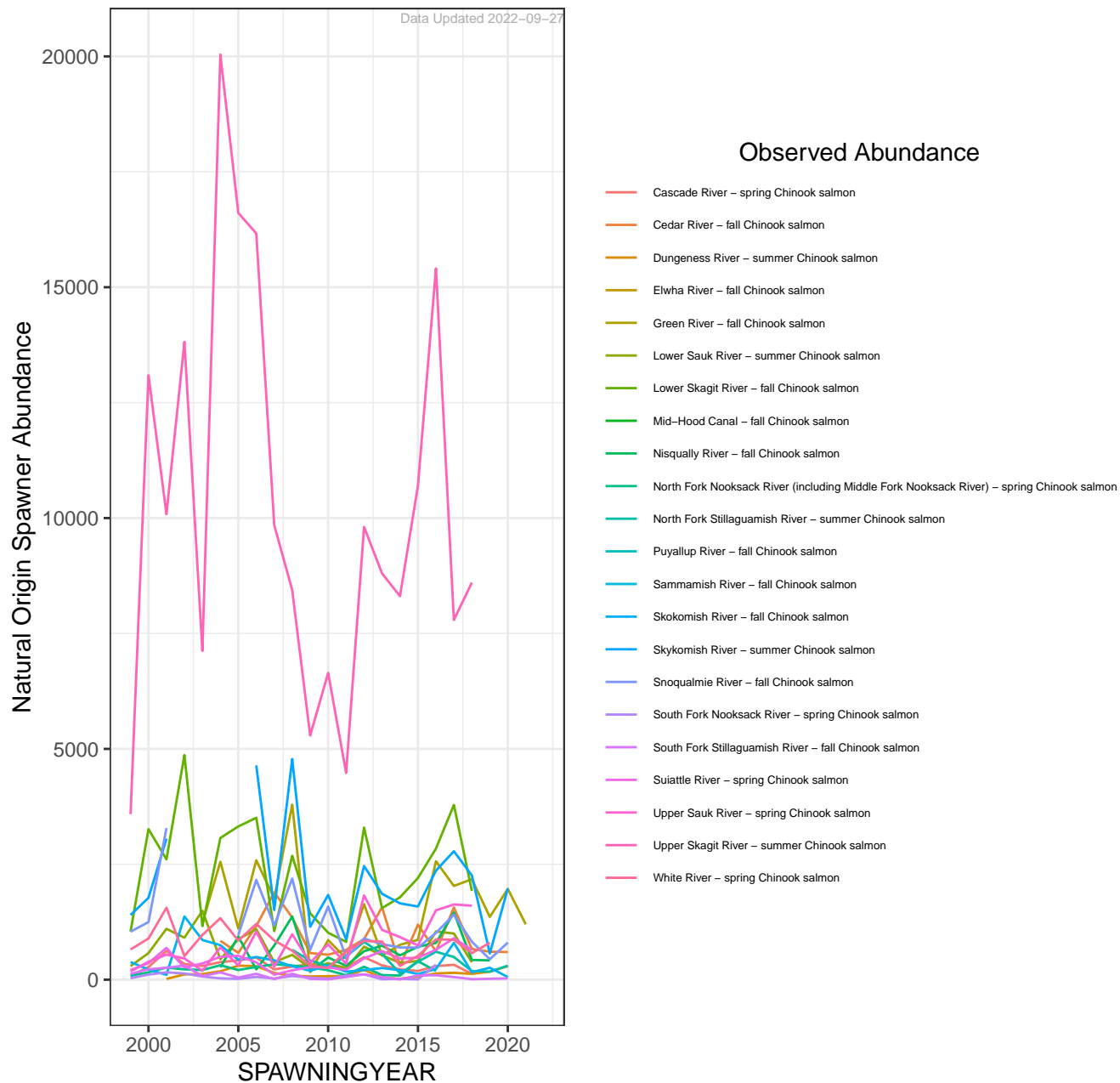
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals. Populations with no bars had no usable data.

Puget Sound Chinook ESU



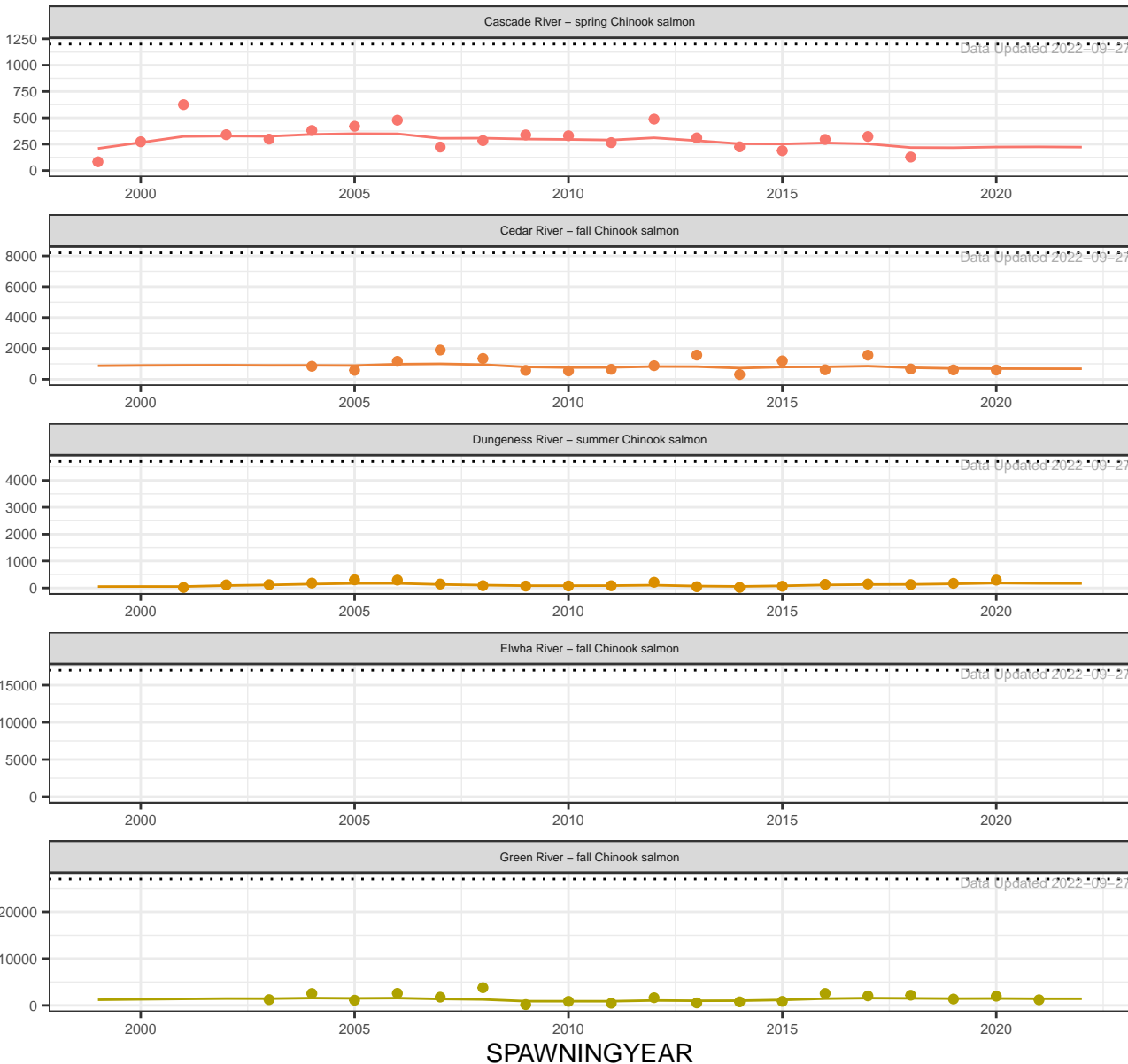
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Puget Sound Chinook ESU



Puget Sound Chinook ESU

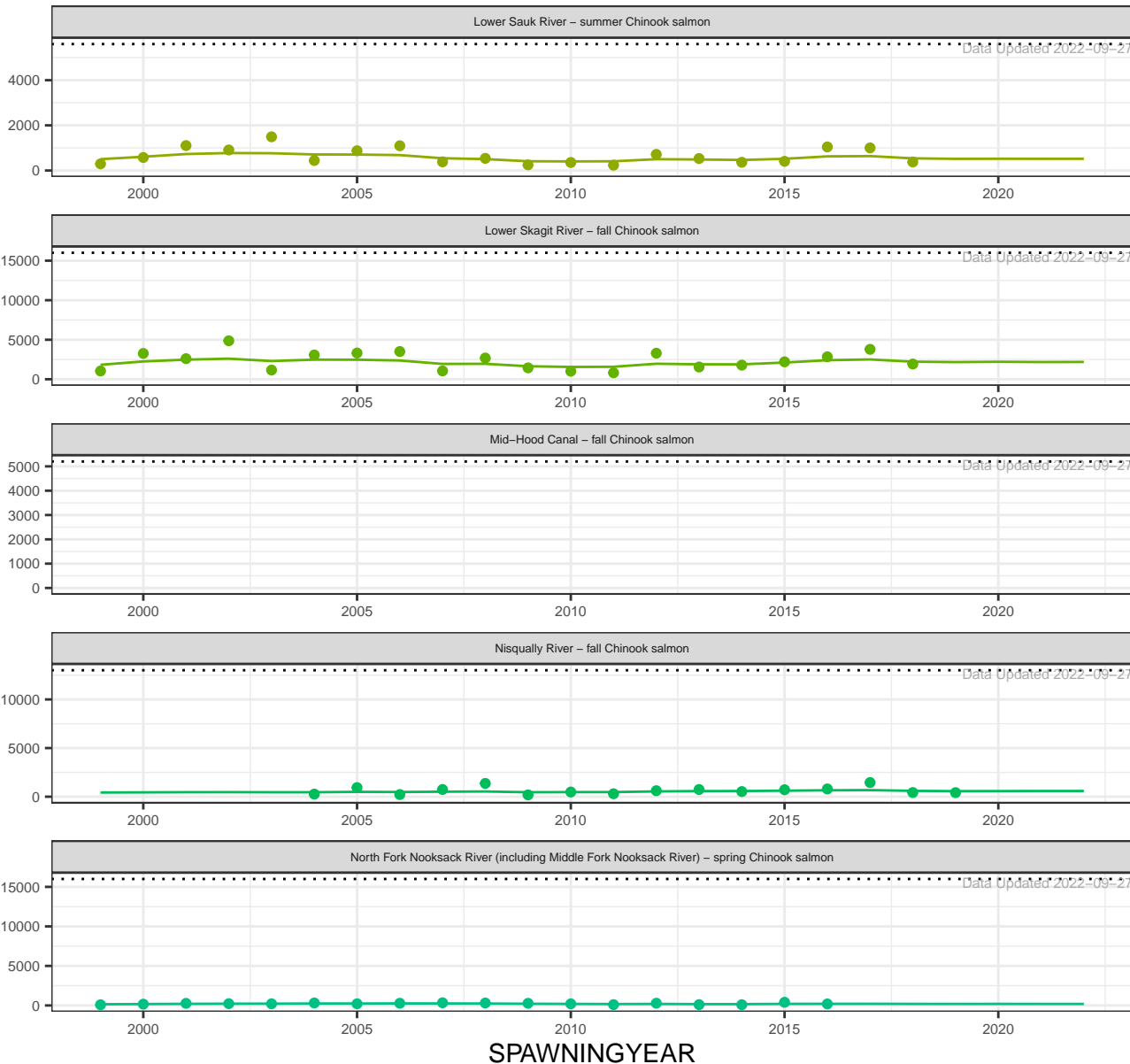
Natural Origin Spawner Abundance



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

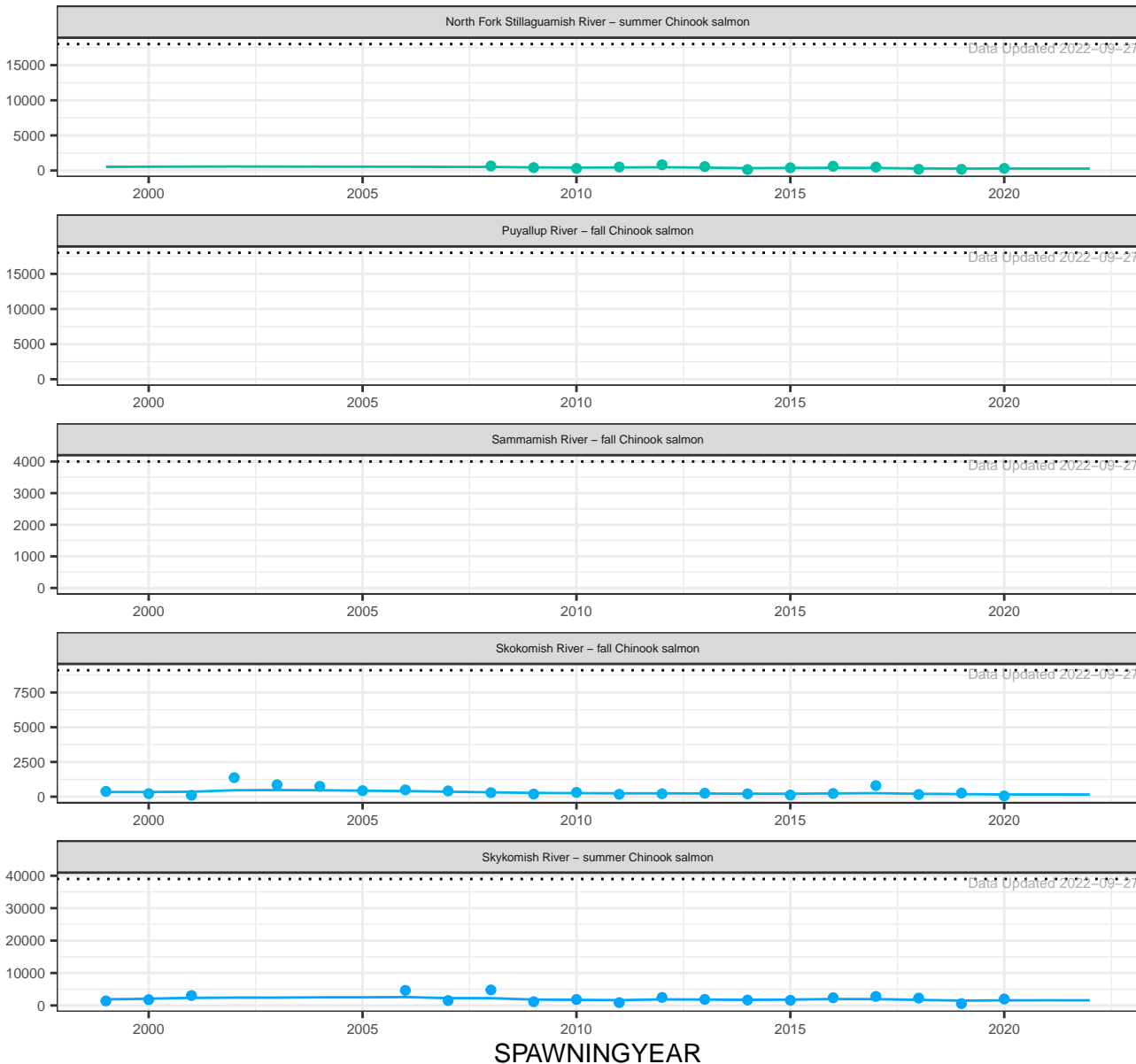
Natural Origin Spawner Abundance



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

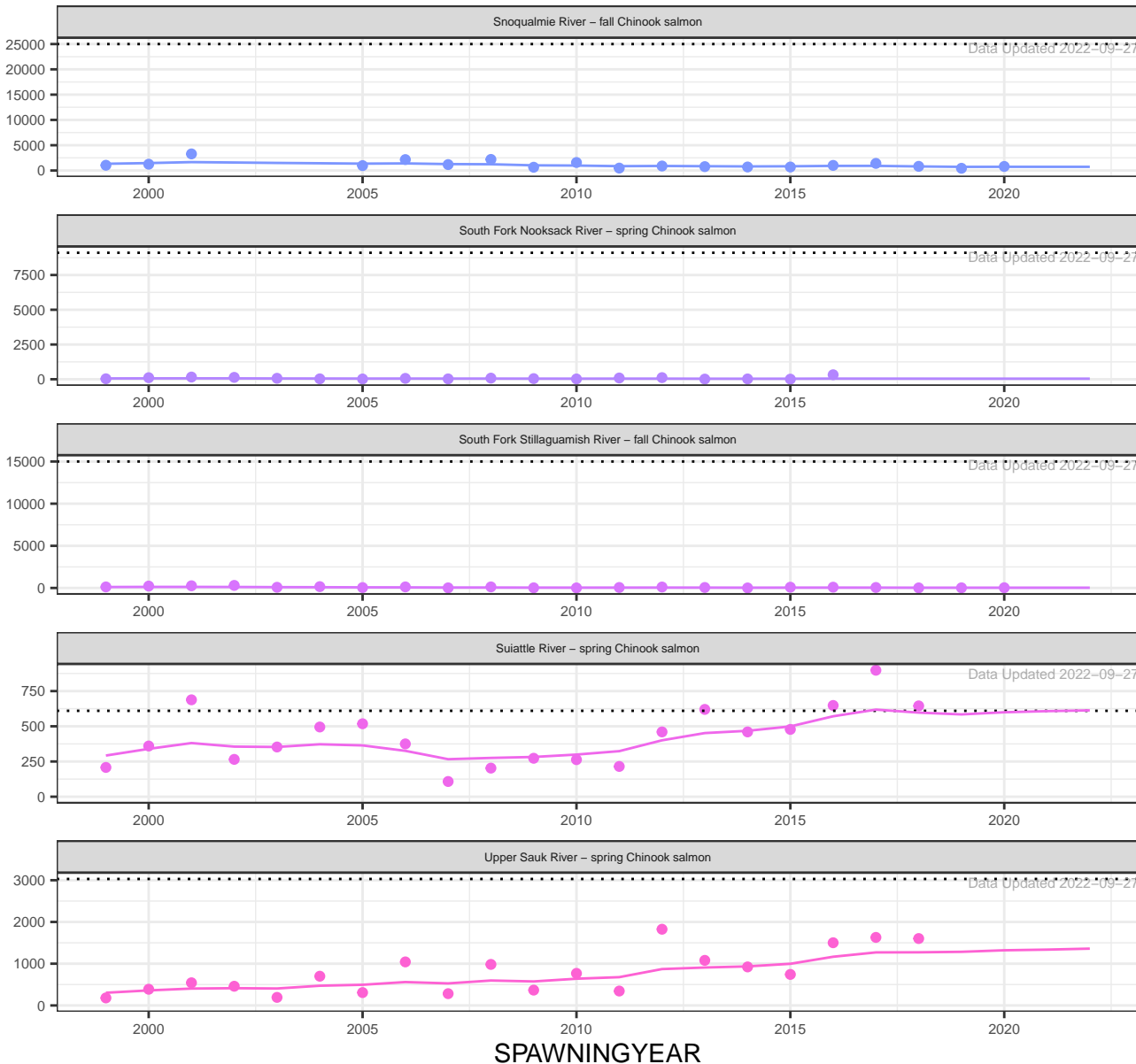
Natural Origin Spawner Abundance



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

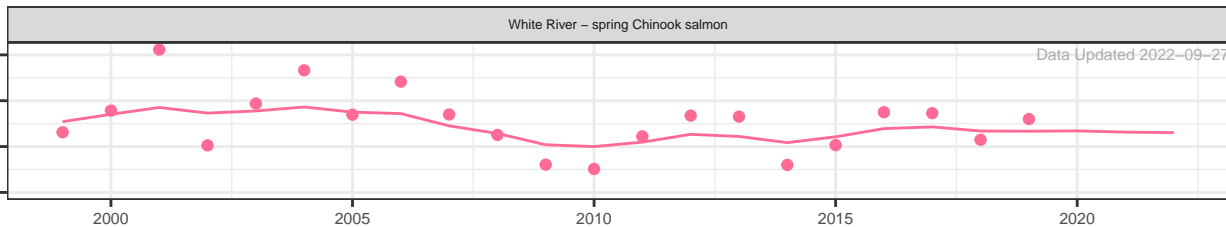
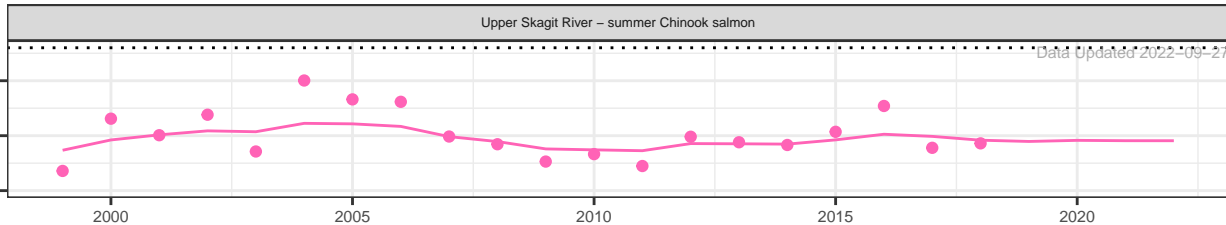
Natural Origin Spawner Abundance



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

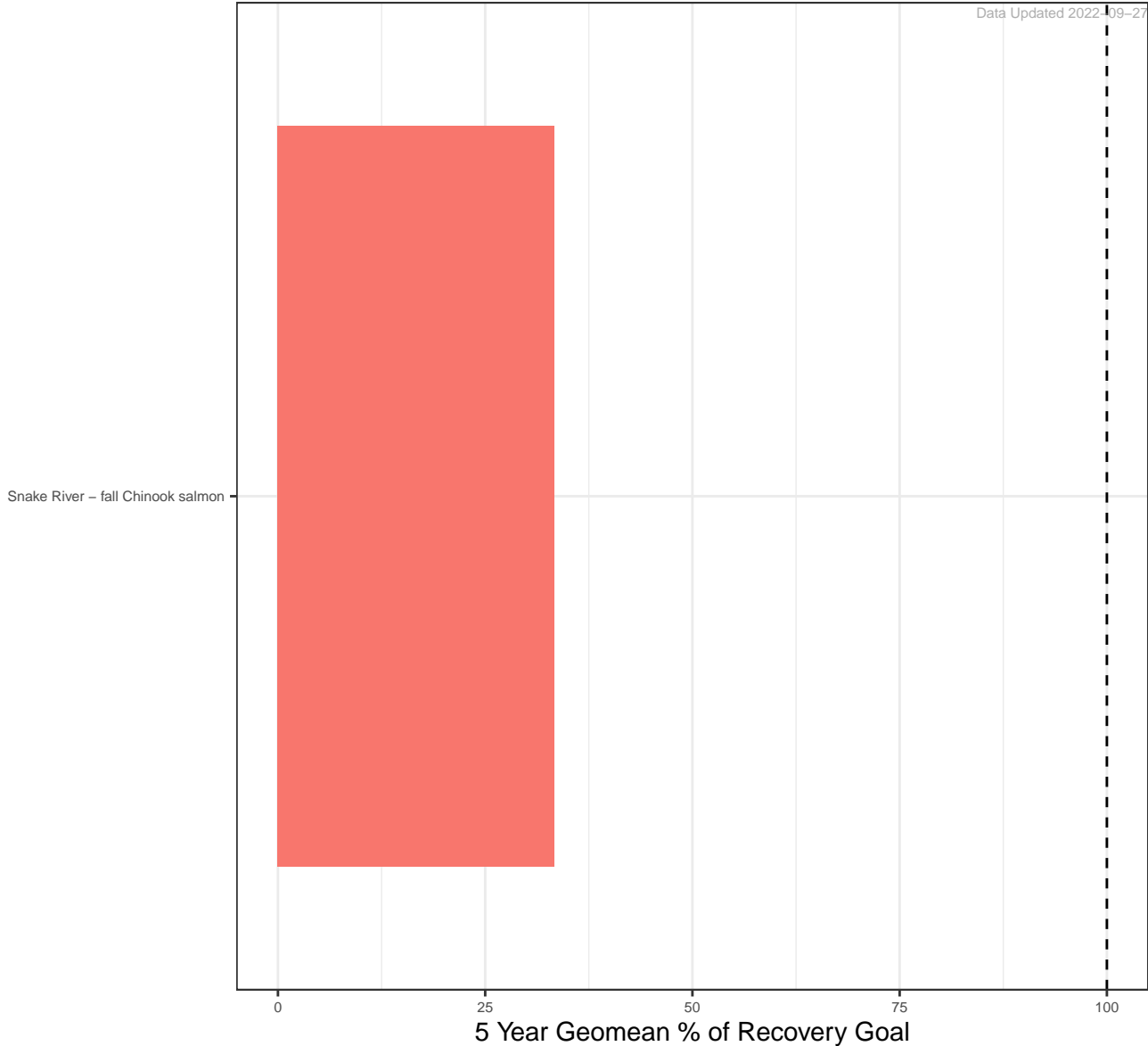
Natural Origin Spawner Abundance



SPAWNINGYEAR

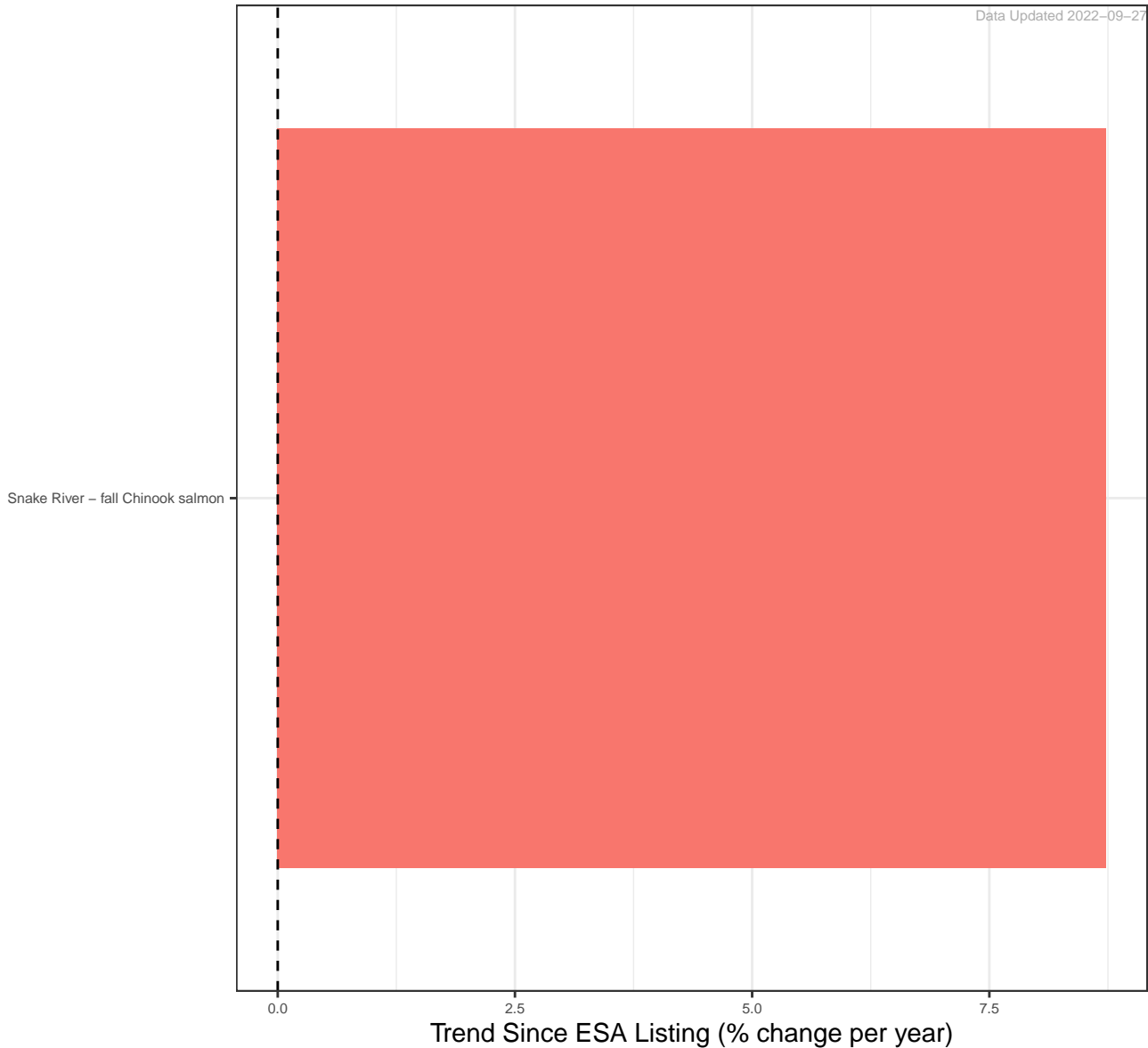
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Snake River Fall Chinook ESU



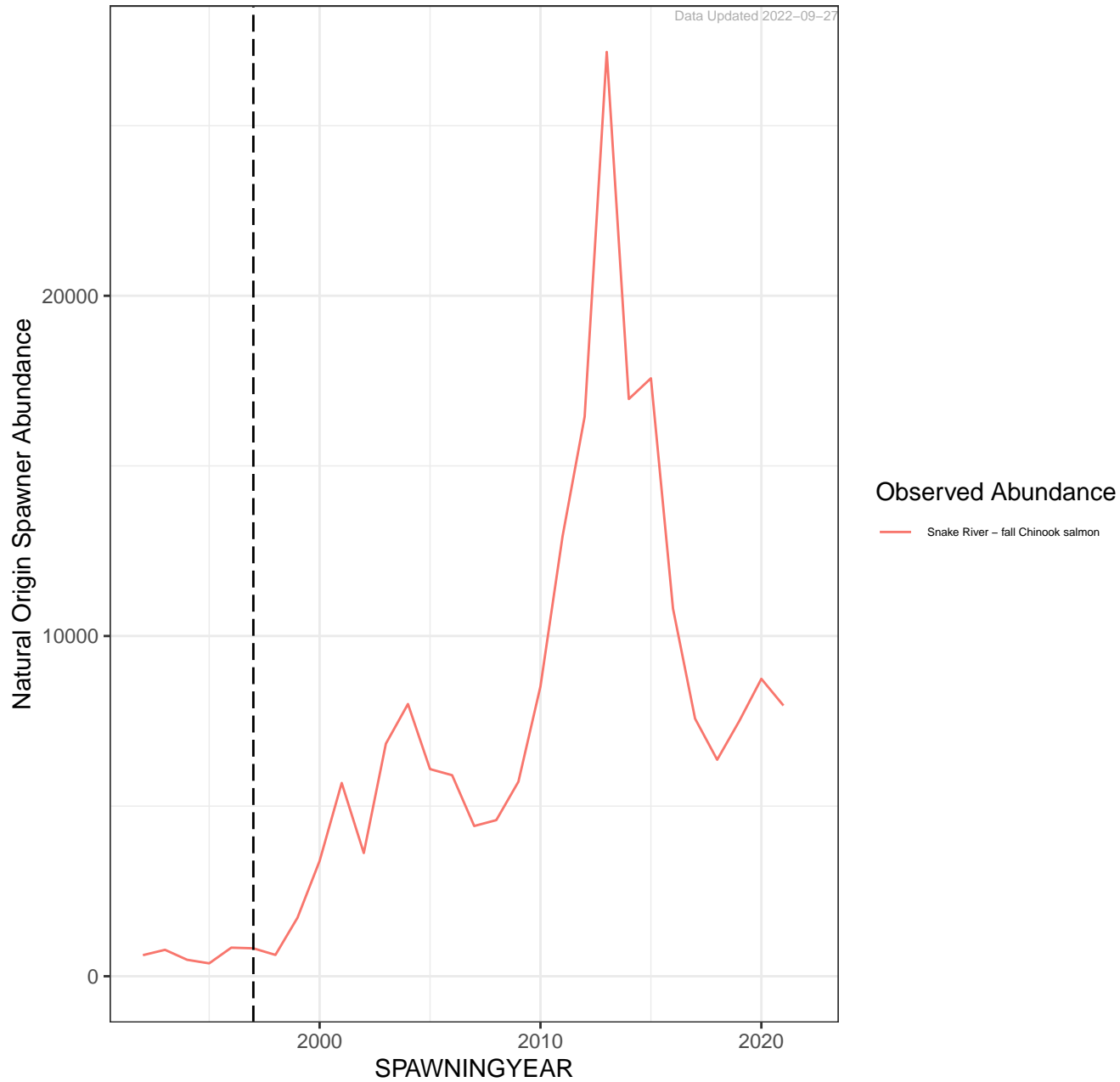
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Snake River Fall Chinook ESU

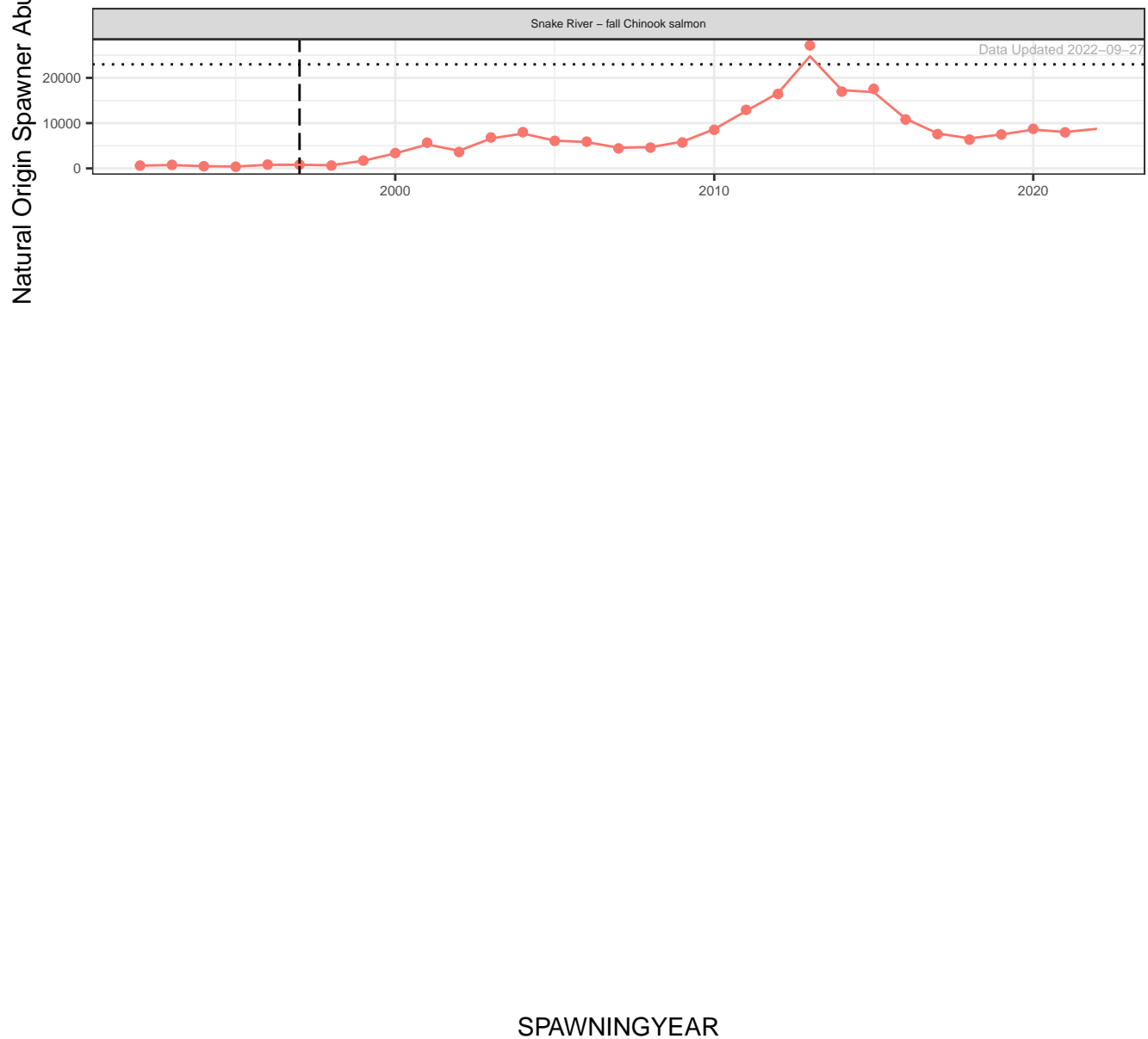


Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Snake River Fall Chinook ESU

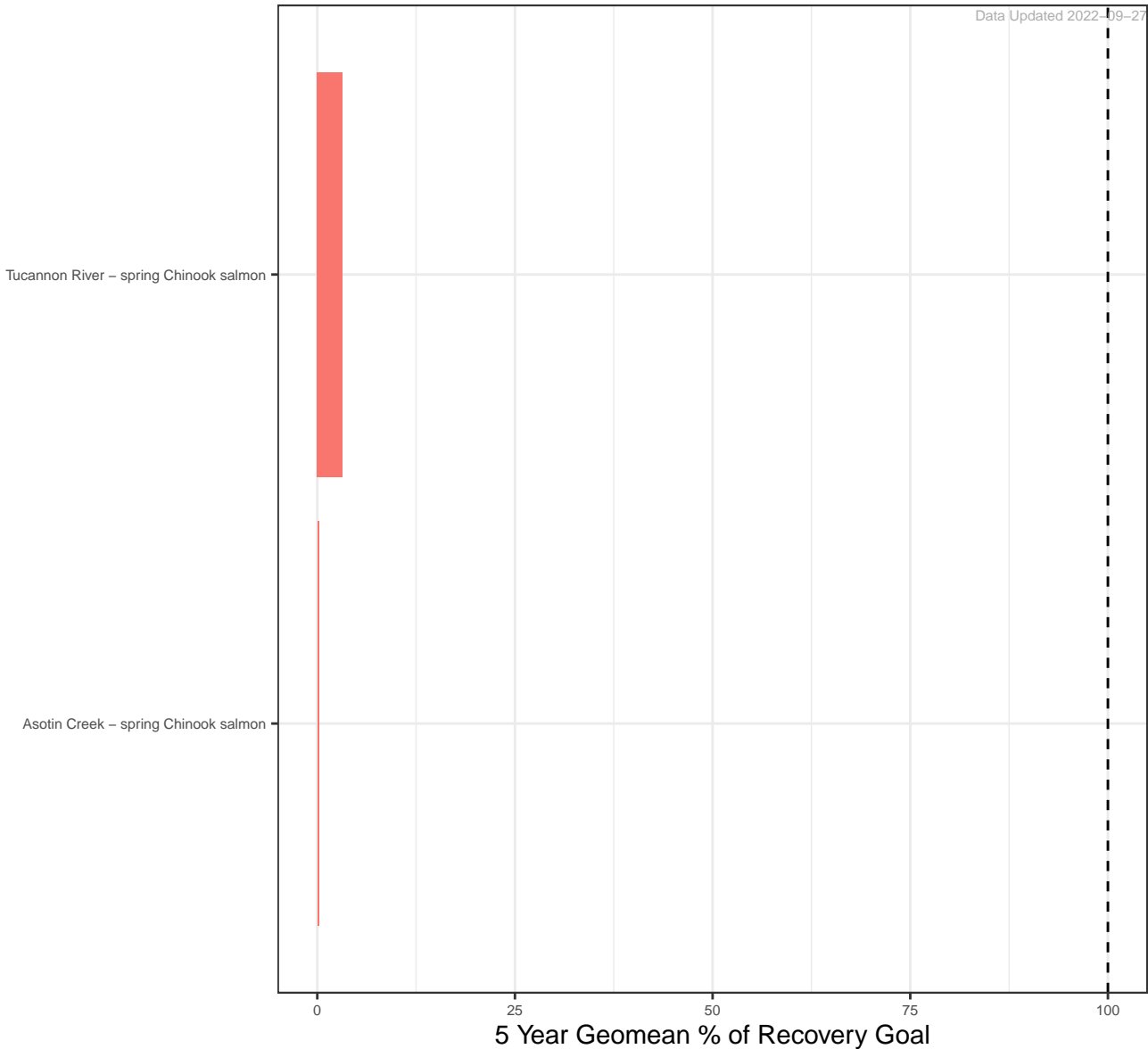


Snake River Fall Chinook ESU



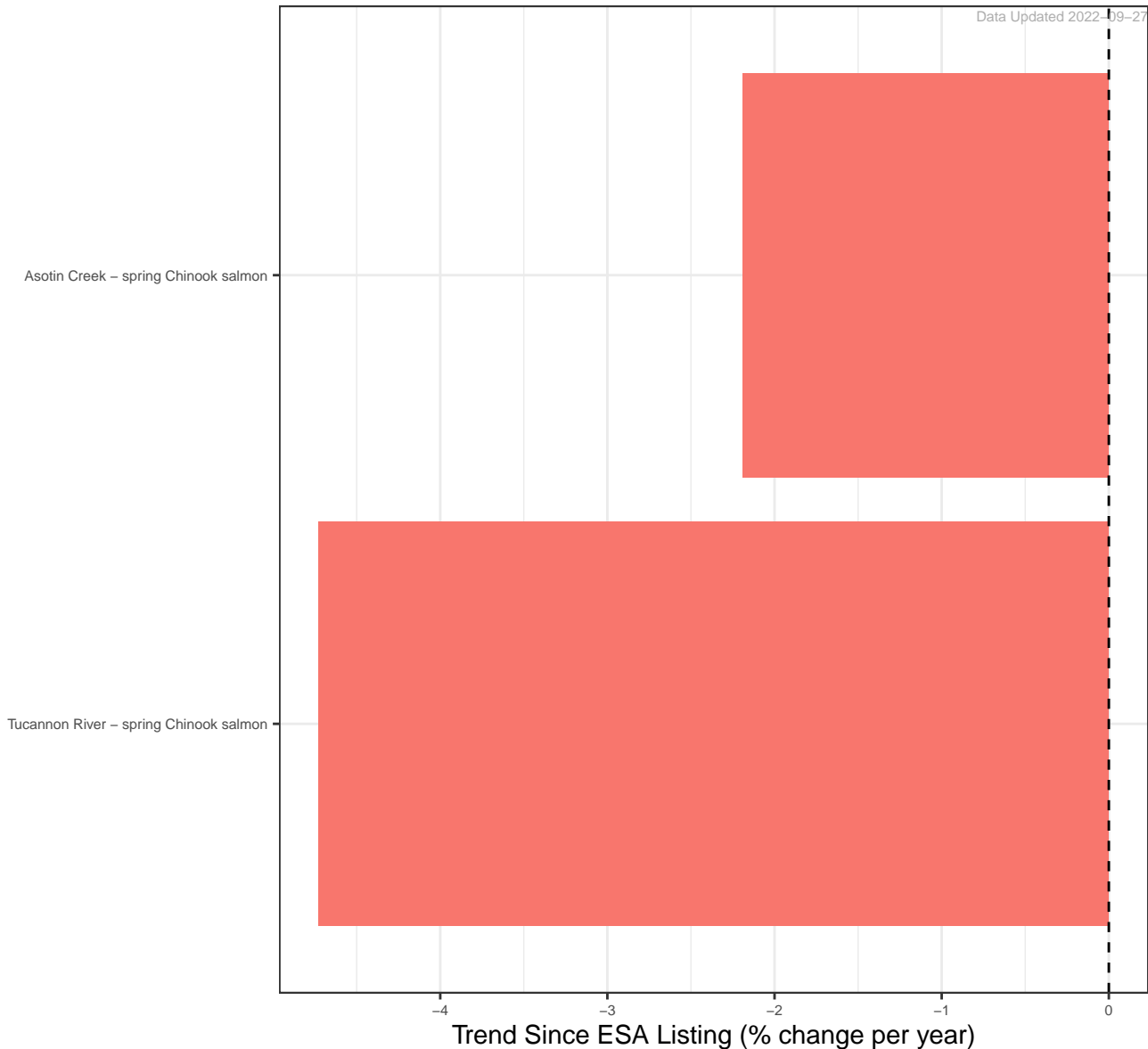
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Snake River Spring/Summer Chinook ESU



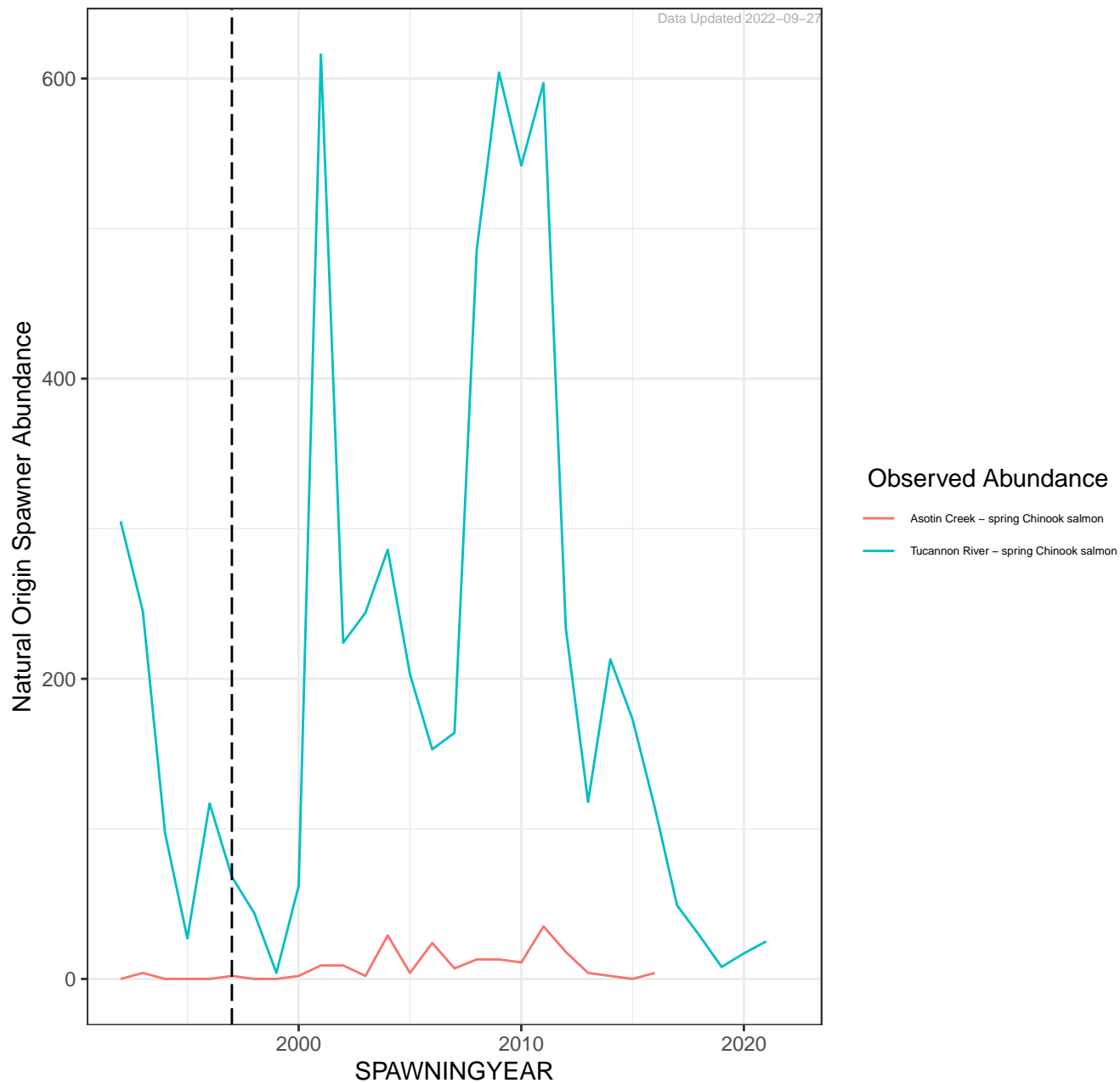
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Snake River Spring/Summer Chinook ESU



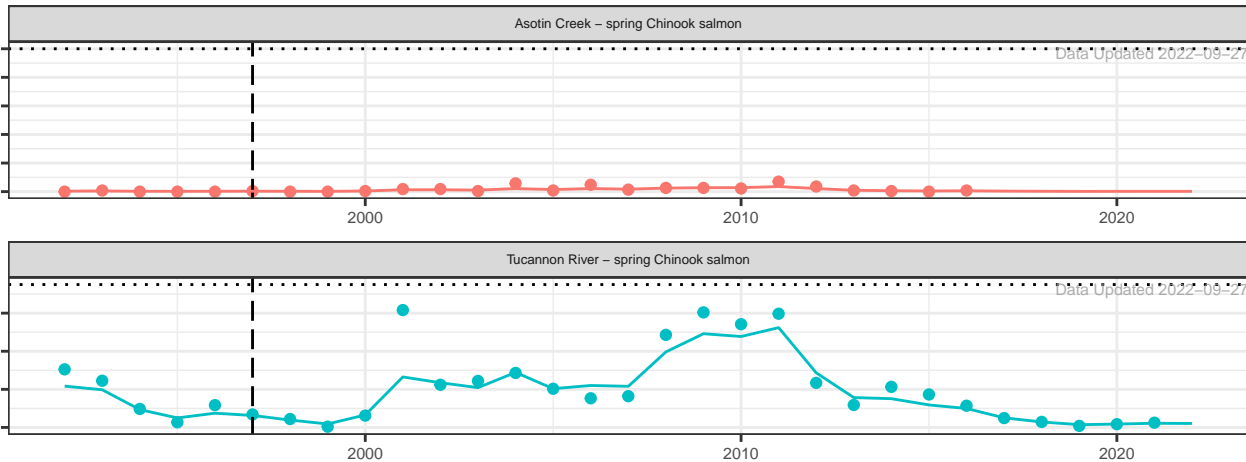
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Snake River Spring/Summer Chinook ESU



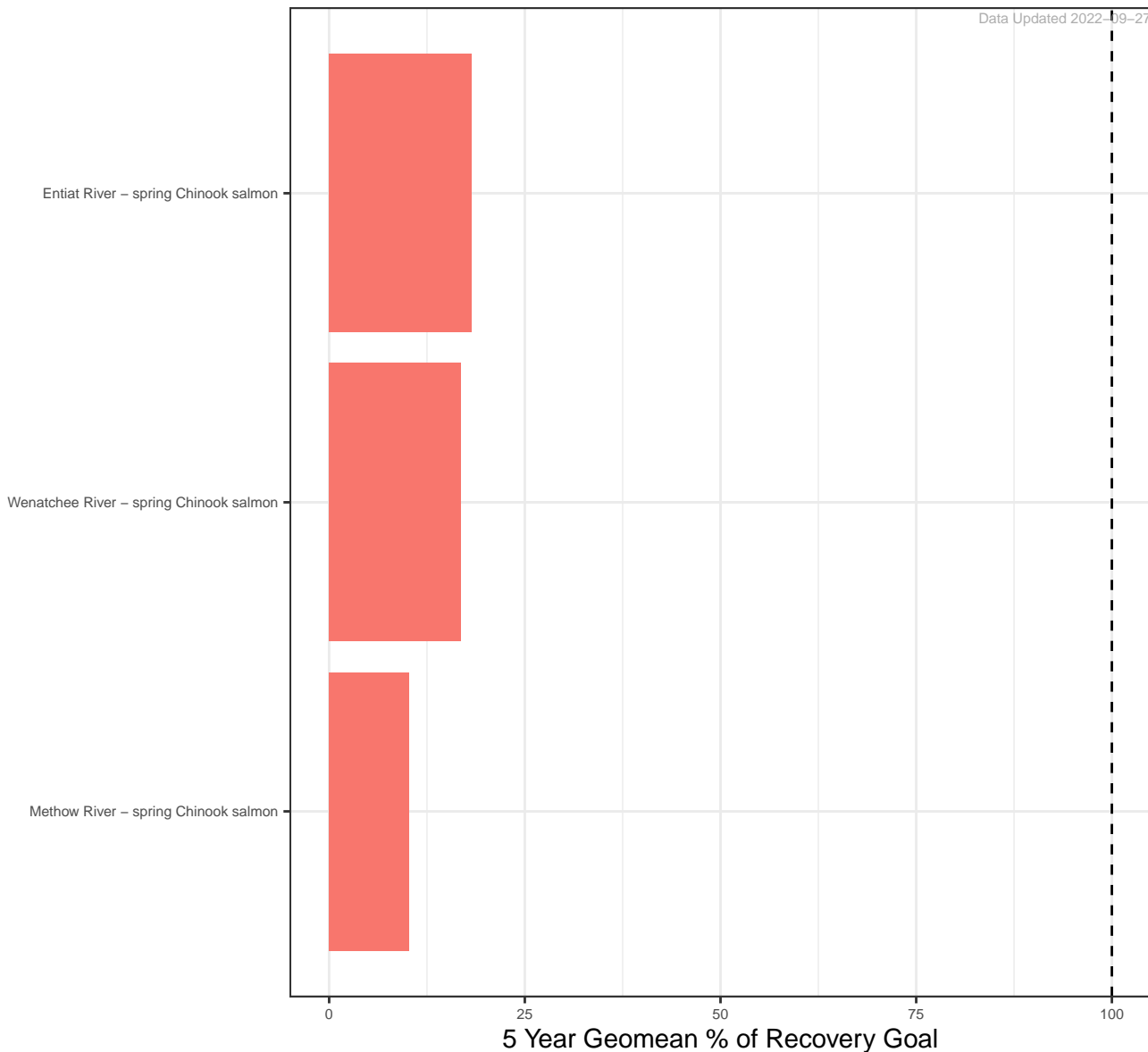
Snake River Spring/Summer Chinook ESU

Natural Origin Spawner Abundance



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

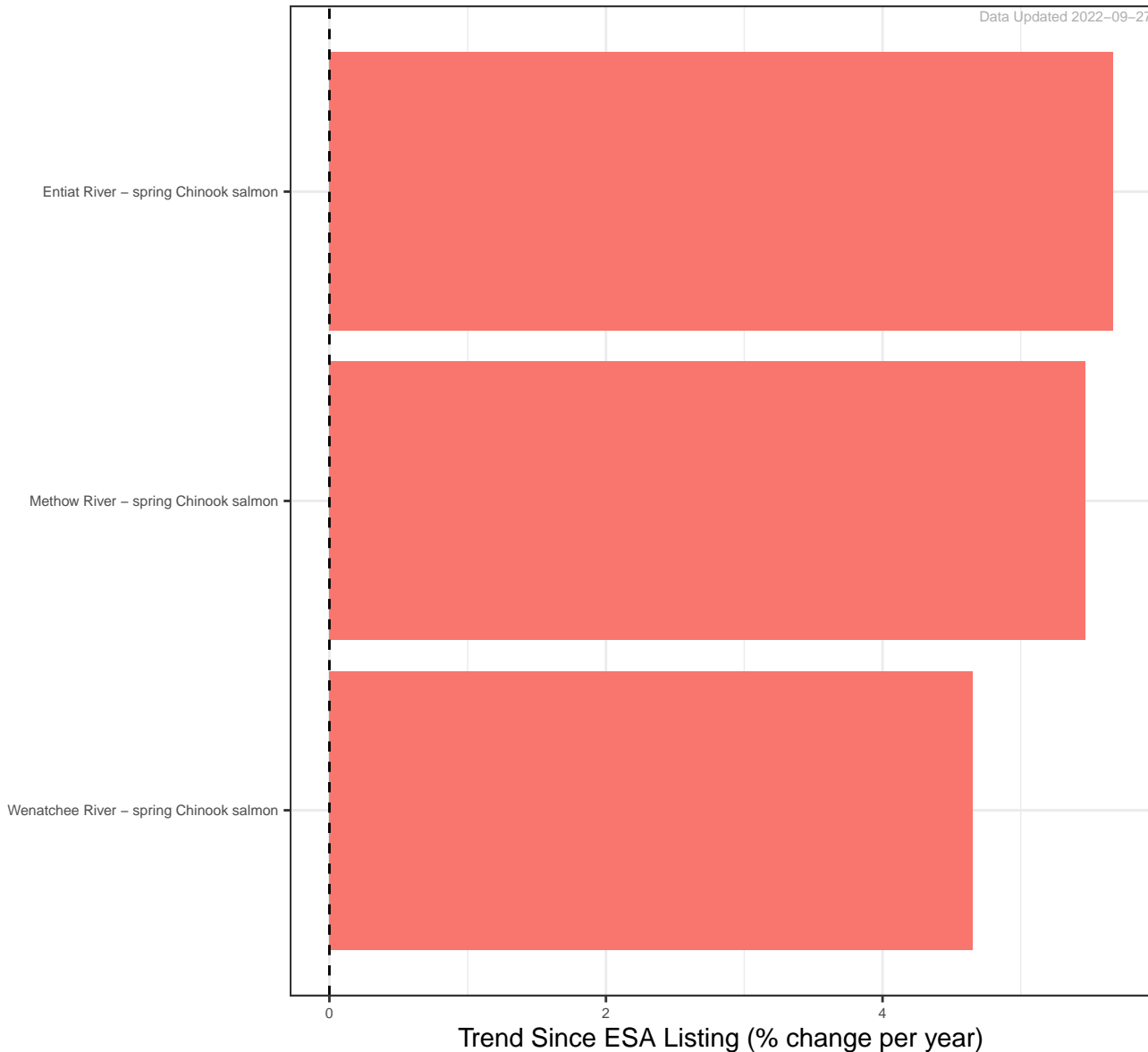
Upper Columbia River Spring Chinook ESU



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

Data Updated 2022-09-27



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

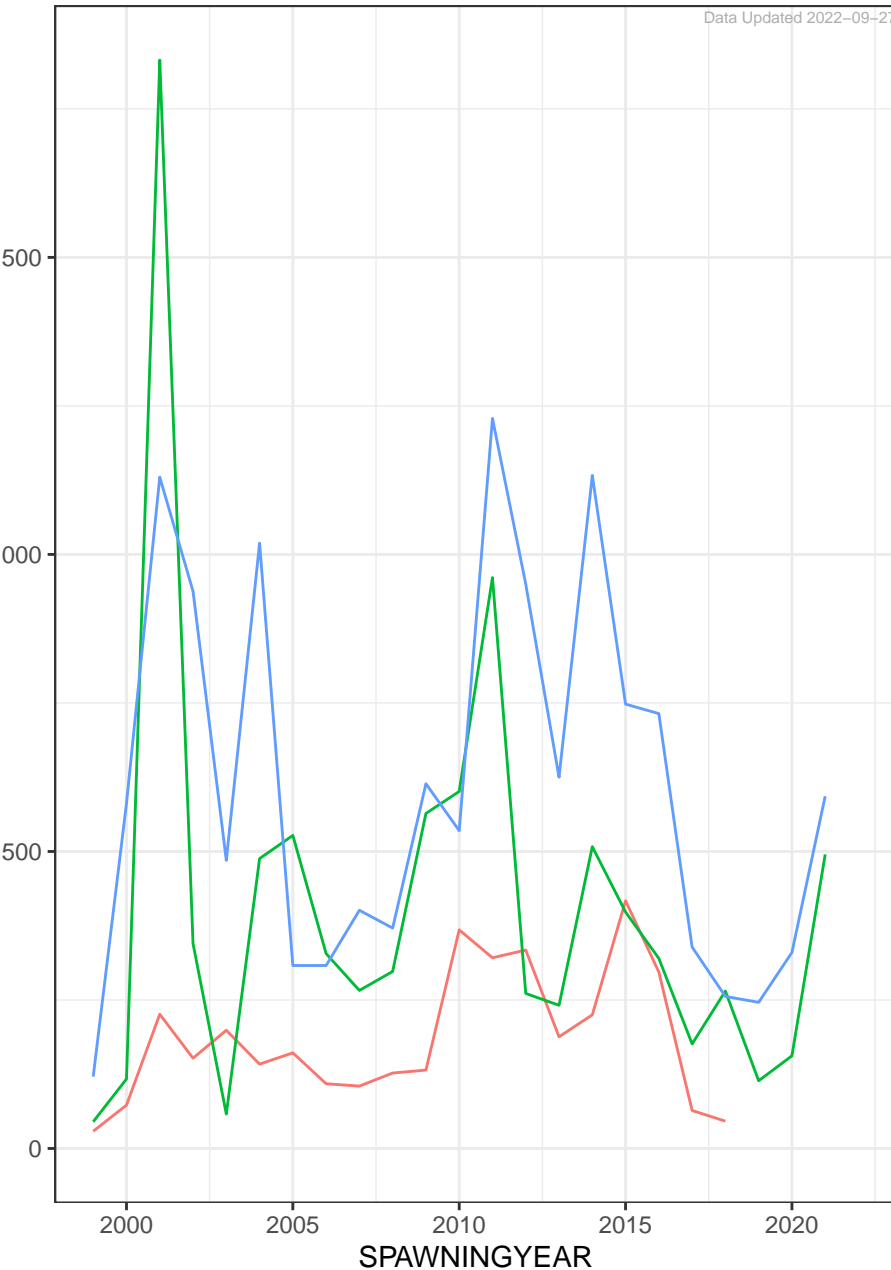
Upper Columbia River Spring Chinook ESU

Data Updated 2022-09-27

Natural Origin Spawner Abundance

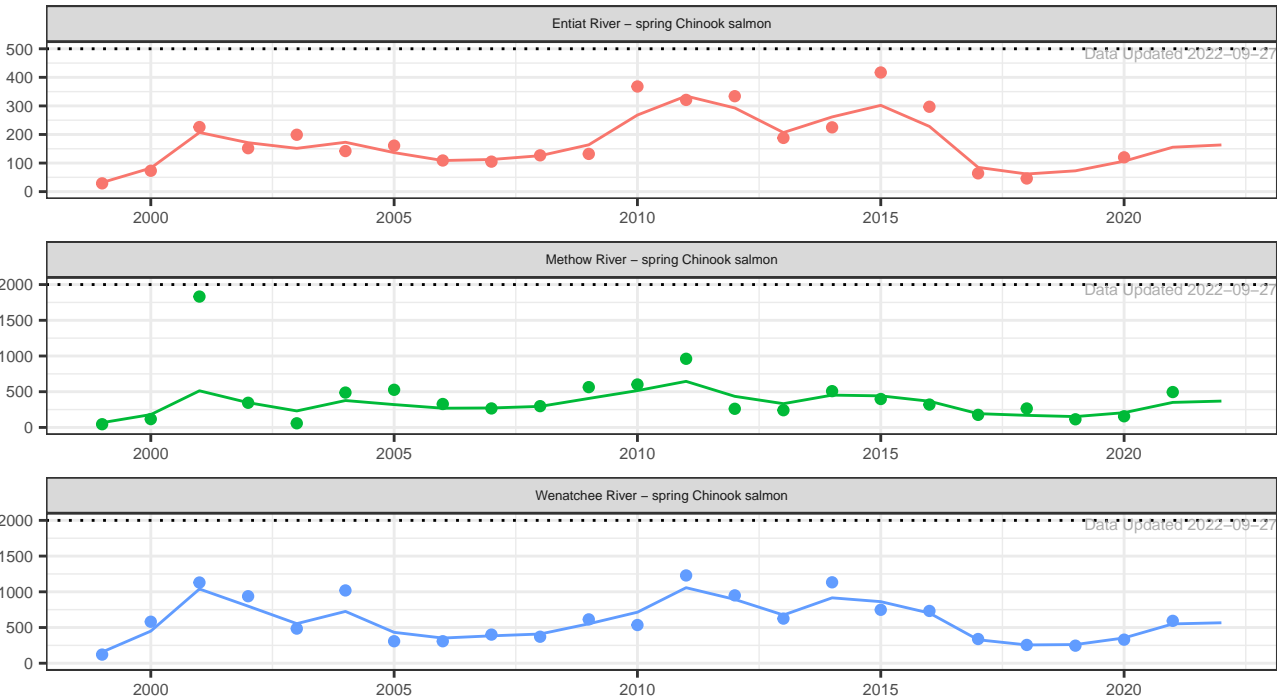
Observed Abundance

- 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

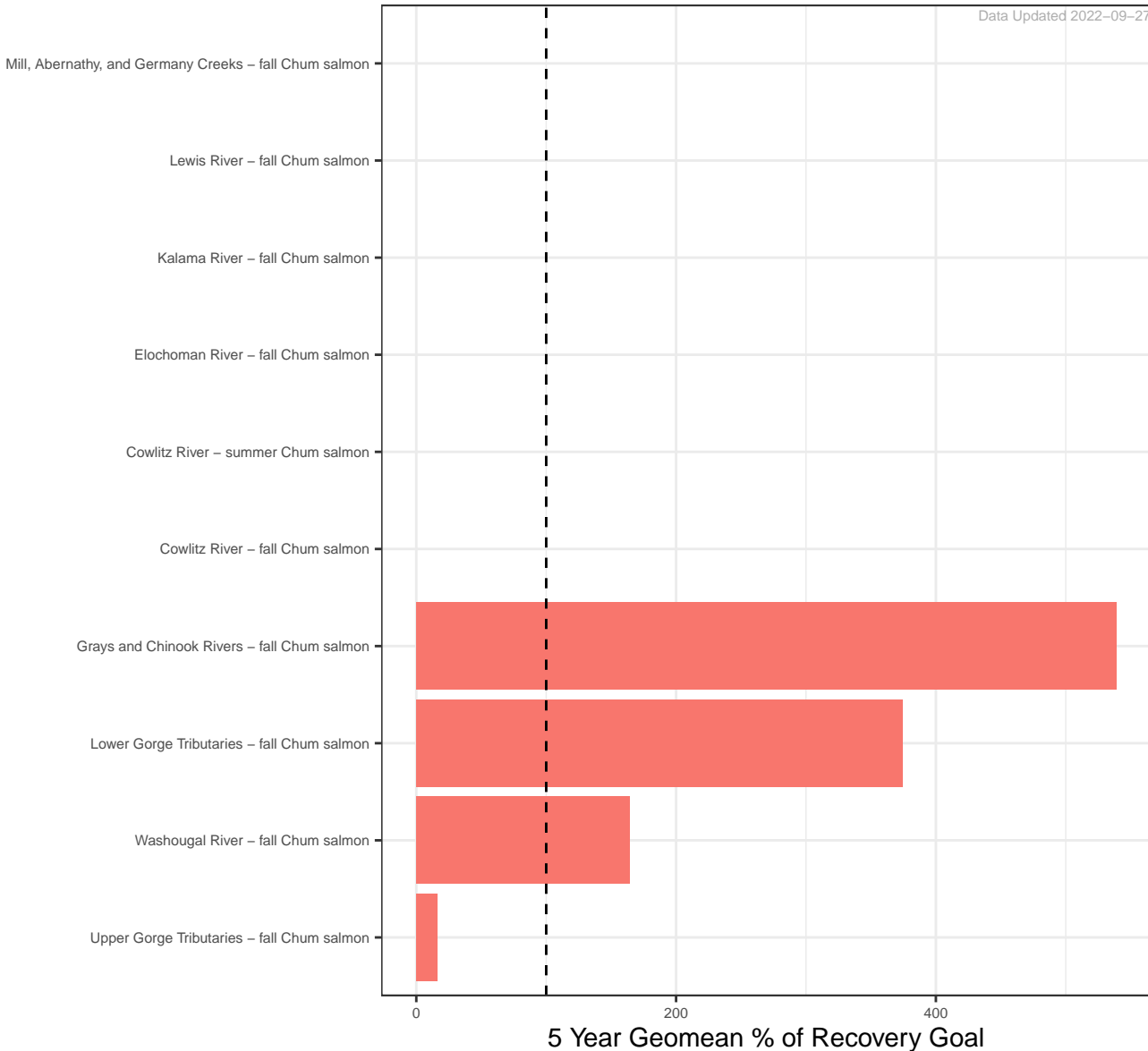


SPAWNING YEAR

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

Data Updated 2022-09-27



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

Data Updated 2022-09-27

Mill, Abernathy, and Germany Creeks – fall Chum salmon

Lewis River – fall Chum salmon

Kalama River – fall Chum salmon

Elochoman River – fall Chum salmon

Cowlitz River – summer Chum salmon

Cowlitz River – fall Chum salmon

Lower Gorge Tributaries – fall Chum salmon

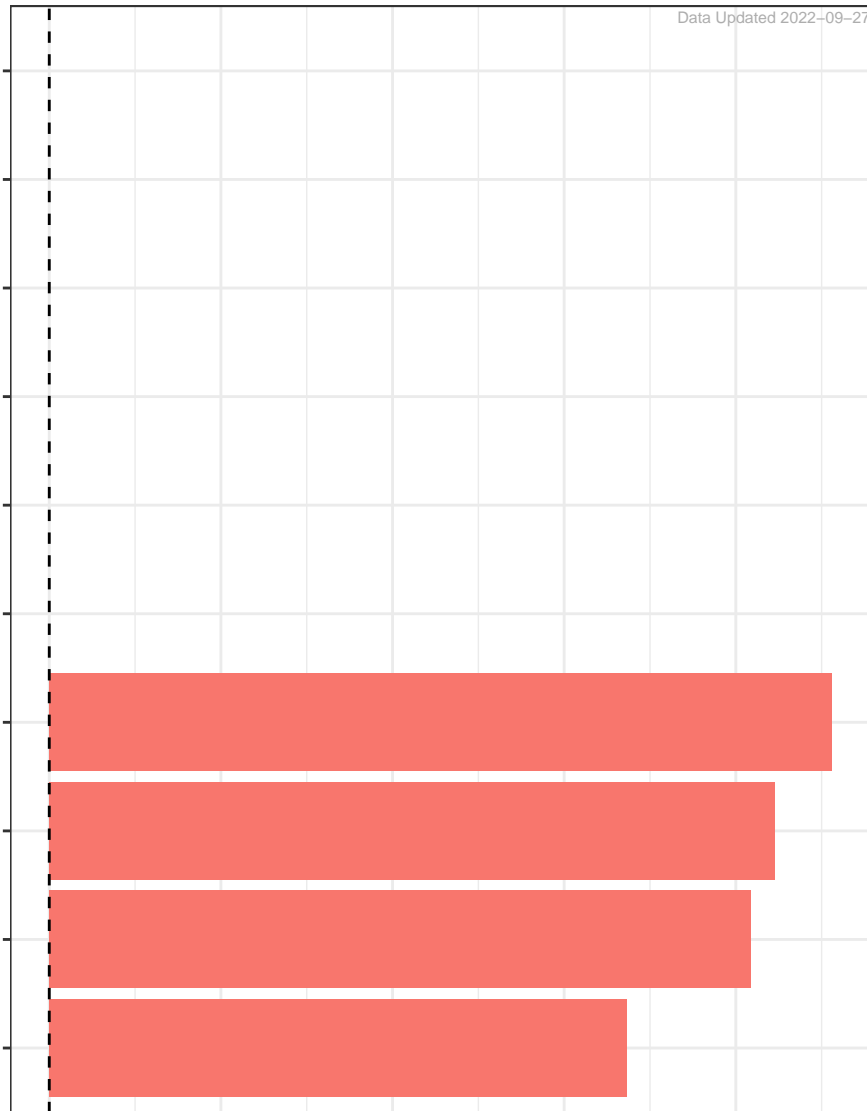
Grays and Chinook Rivers – fall Chum salmon

Upper Gorge Tributaries – fall Chum salmon

Washougal River – fall Chum salmon

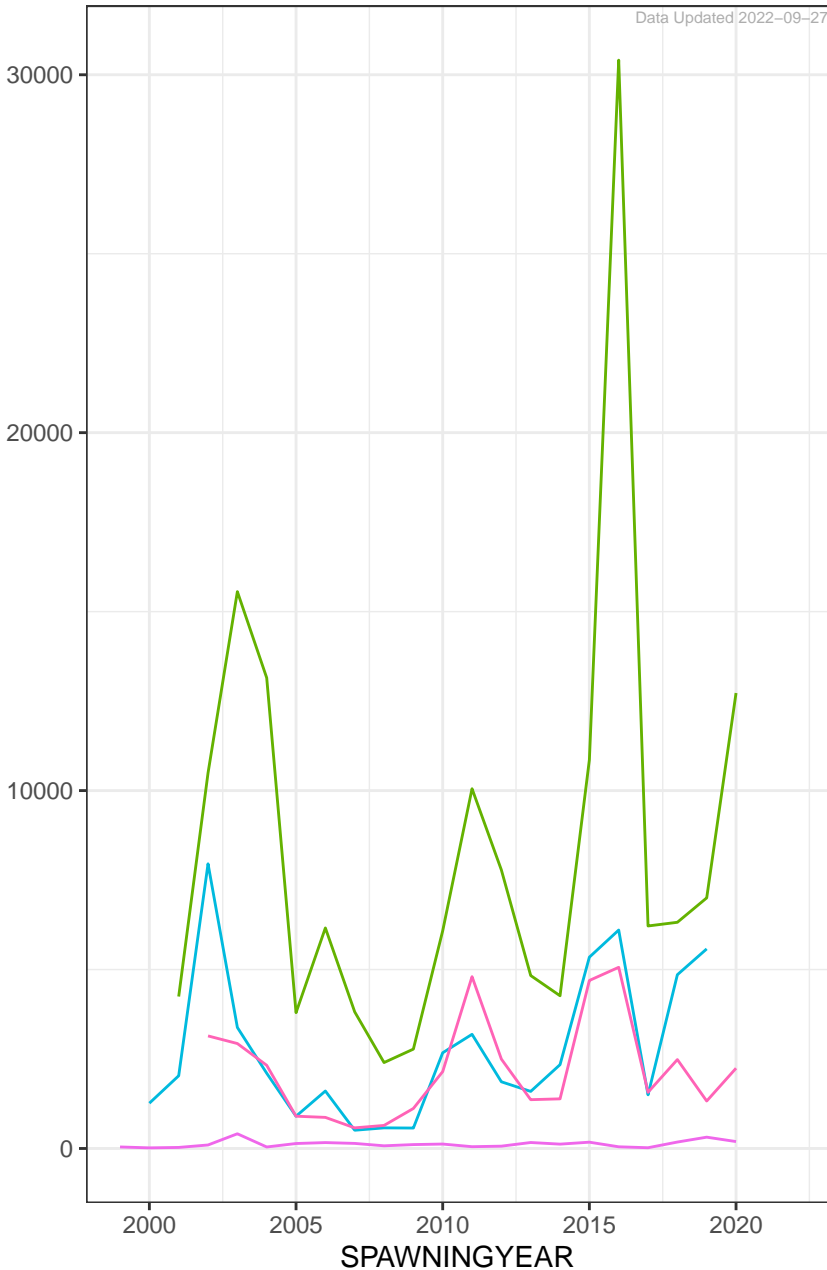
Trend Since ESA Listing (% change per year)

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



Columbia River Chum ESU

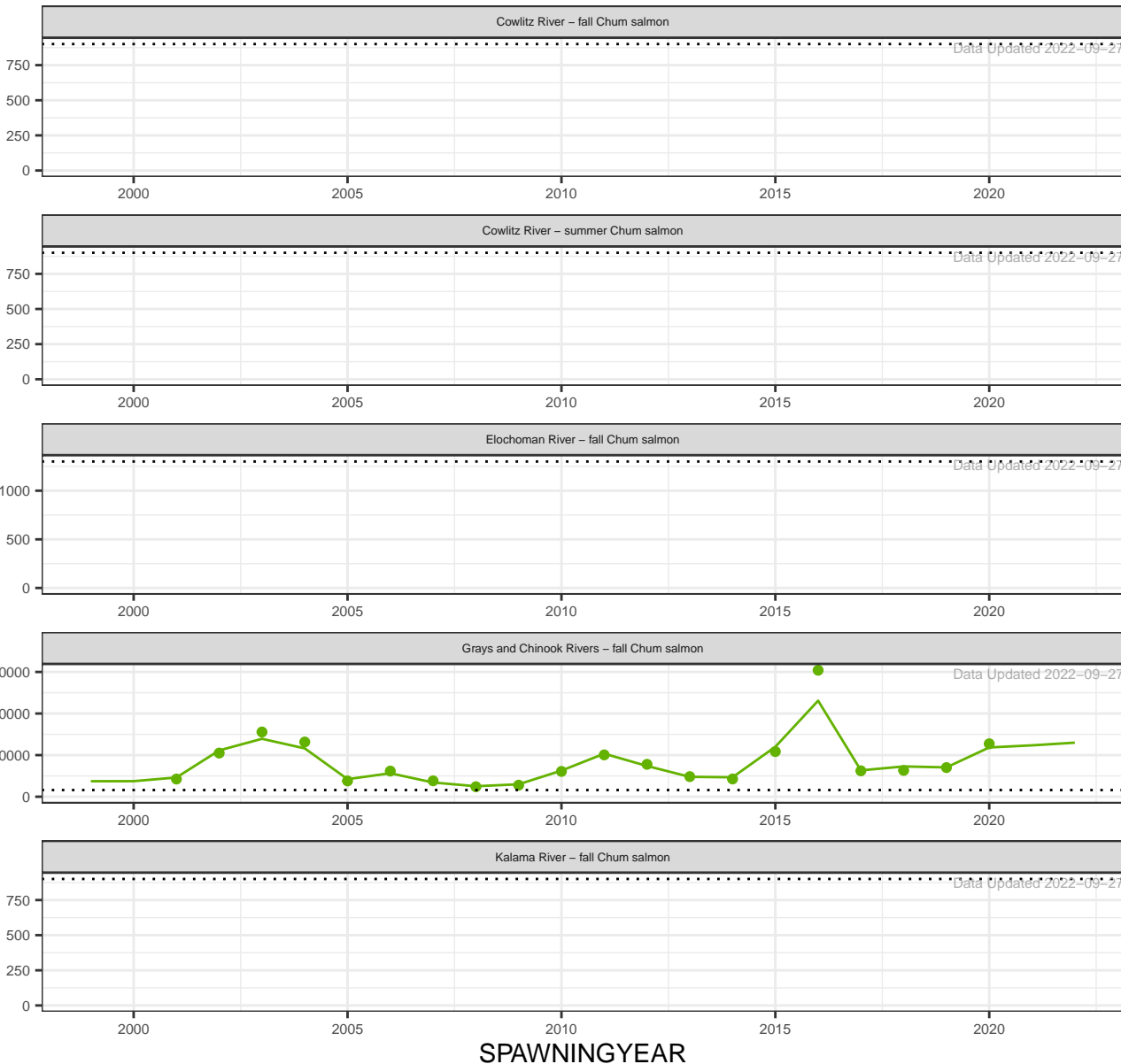
Natural Origin Spawner Abundance



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

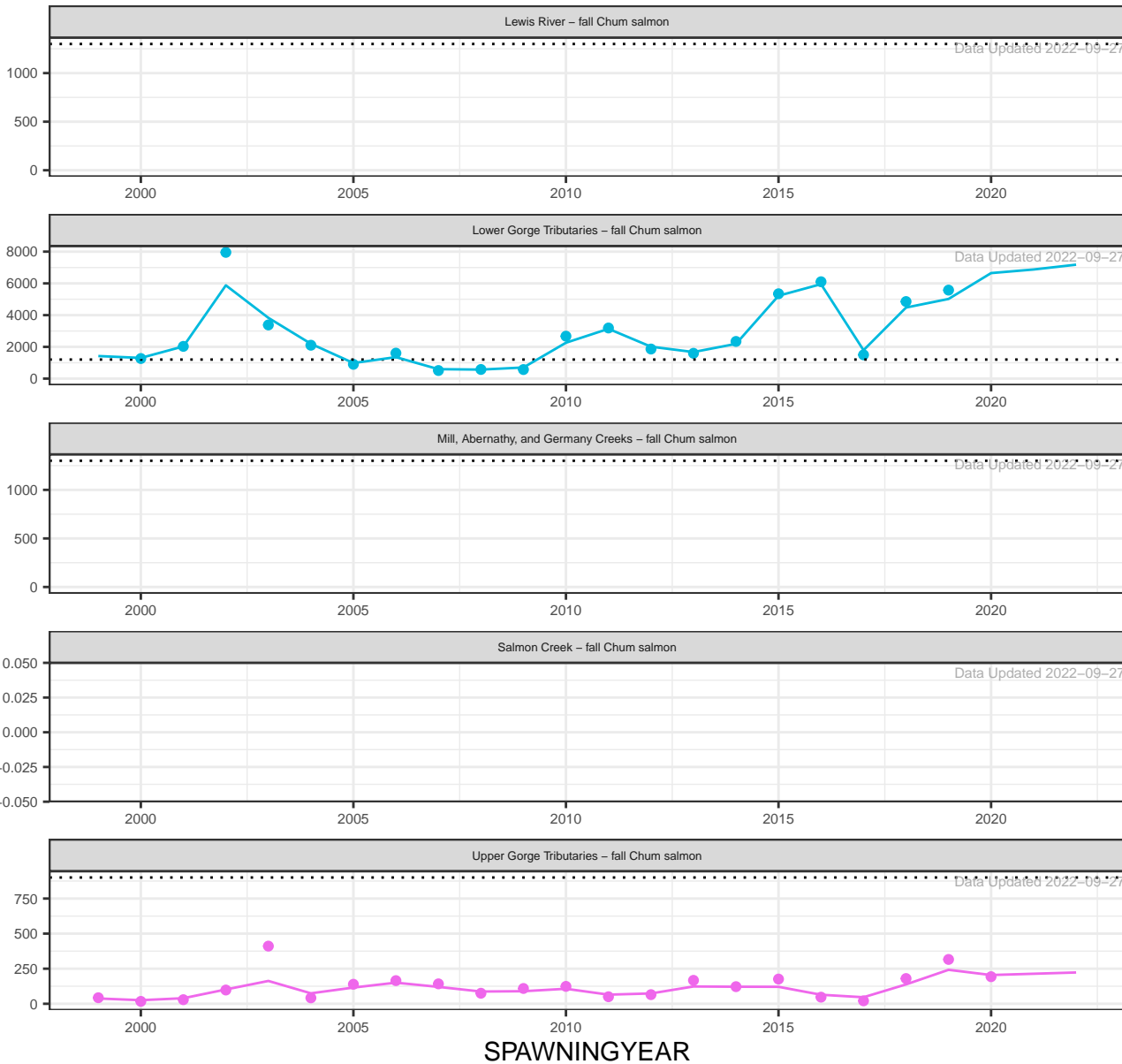
Columbia River Chum ESU



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



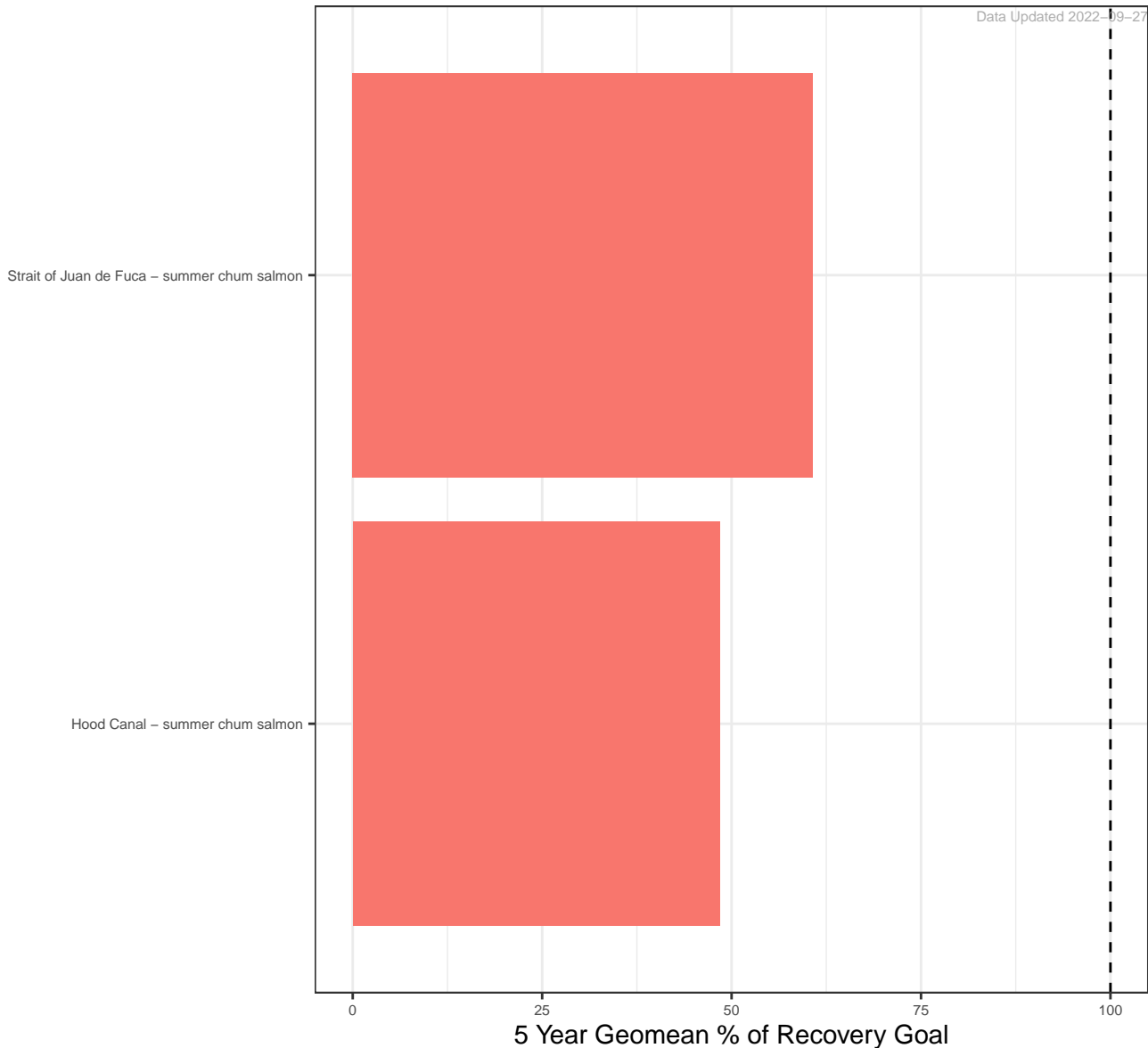
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

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

Data Updated 2022-09-27

Strait of Juan de Fuca – summer chum salmon

Hood Canal – summer chum salmon

0.0

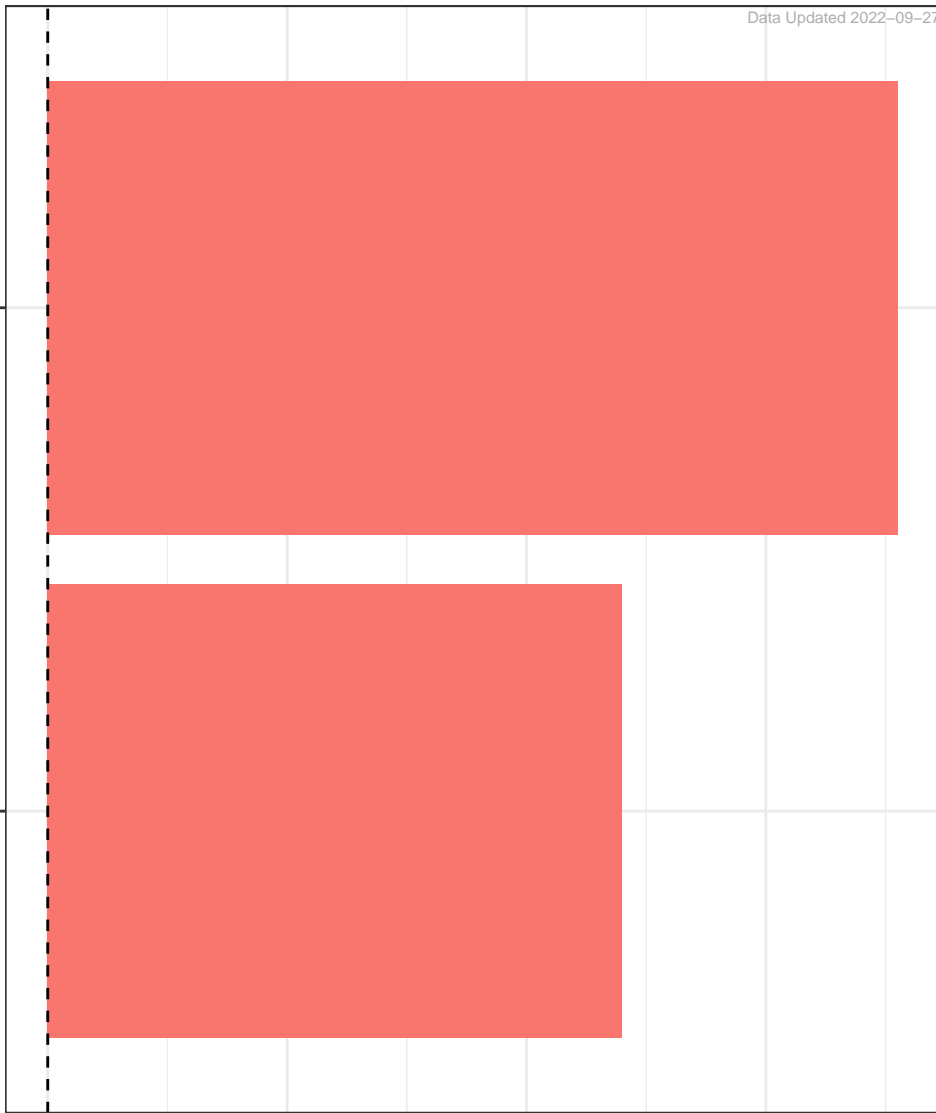
2.5

5.0

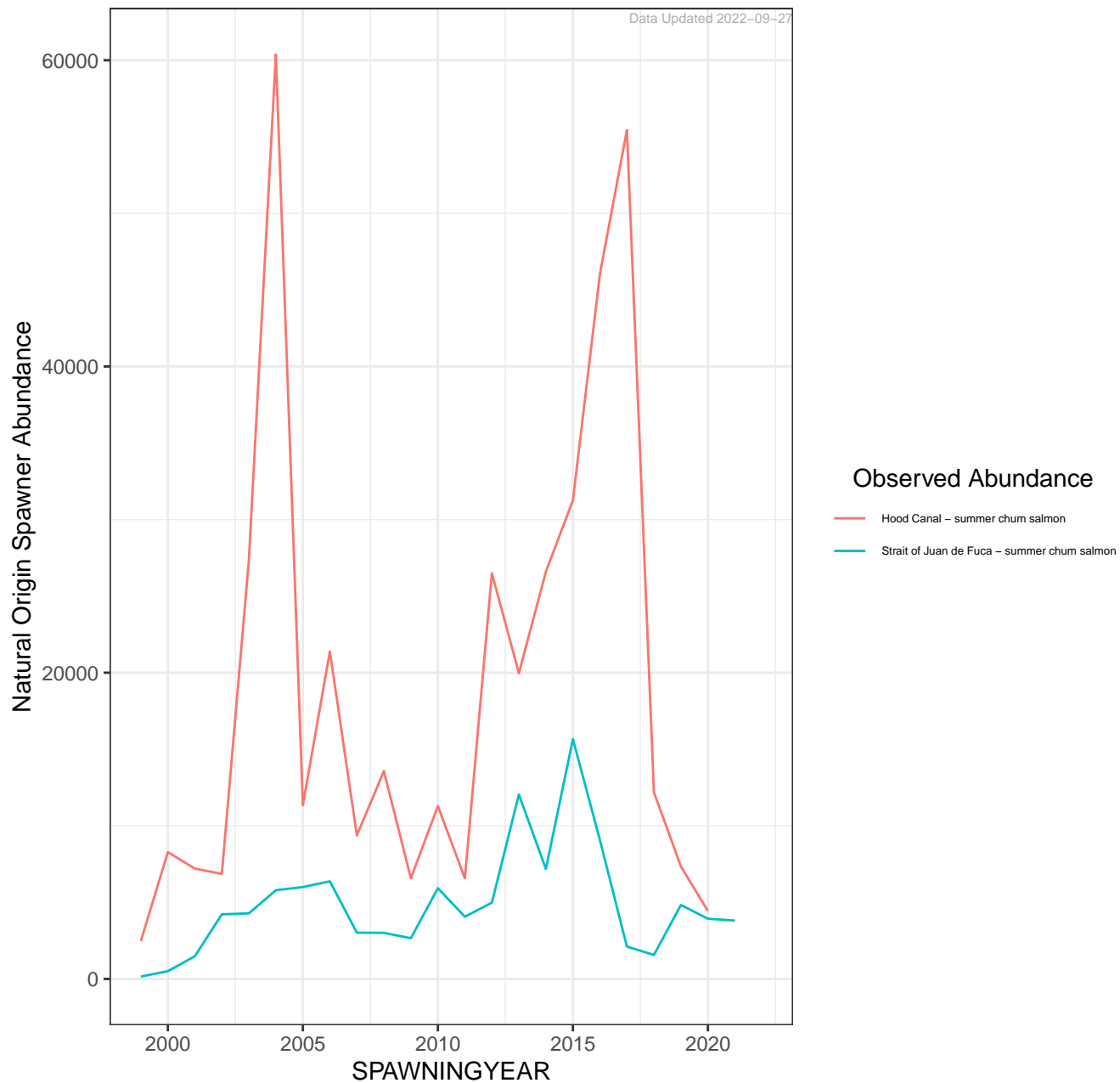
7.5

Trend Since ESA Listing (% change per year)

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

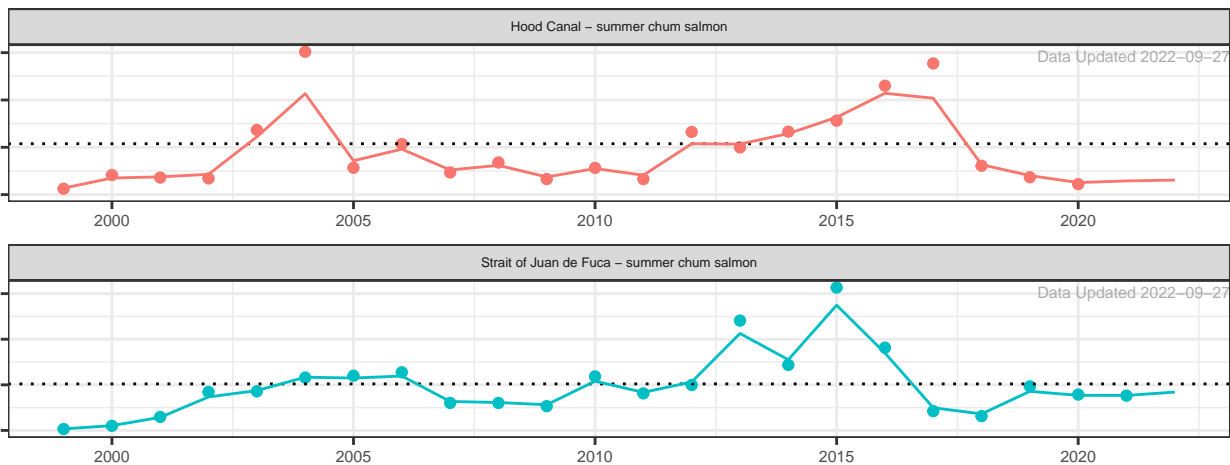


Hood Canal Summer Chum ESU



Hood Canal Summer Chum ESU

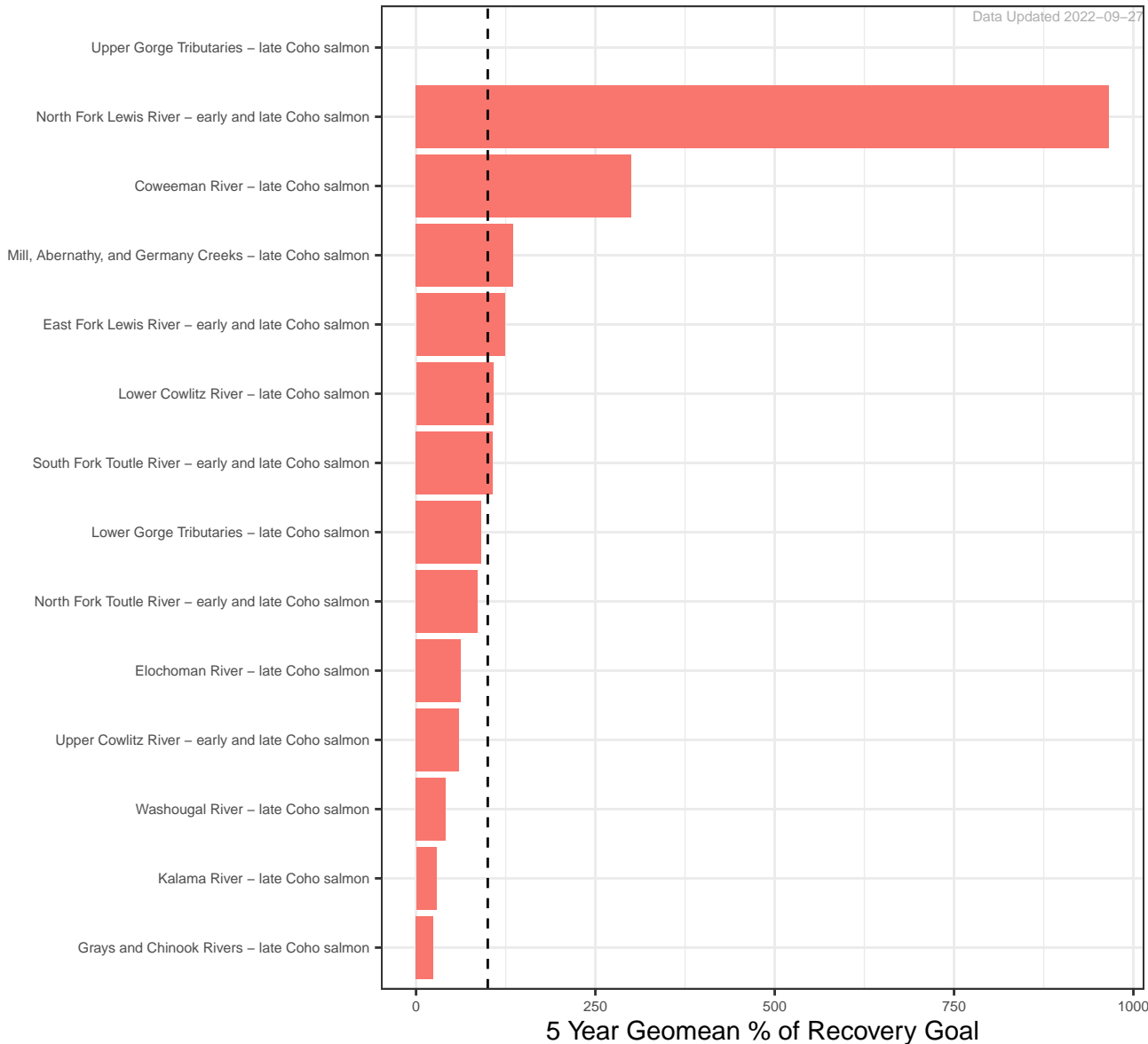
Natural Origin Spawner Abundance



SPAWNINGYEAR

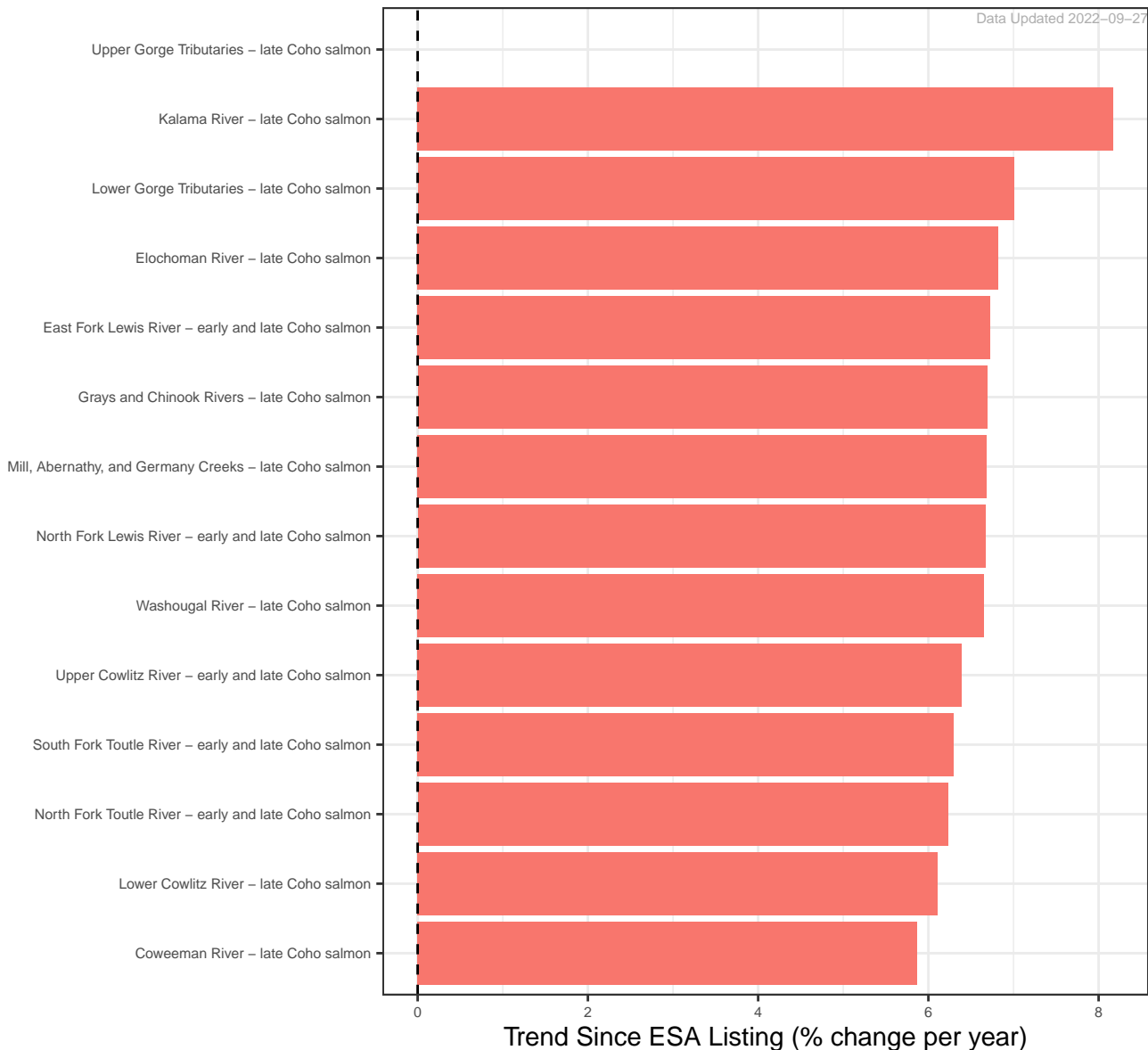
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Lower Columbia River Coho ESU



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

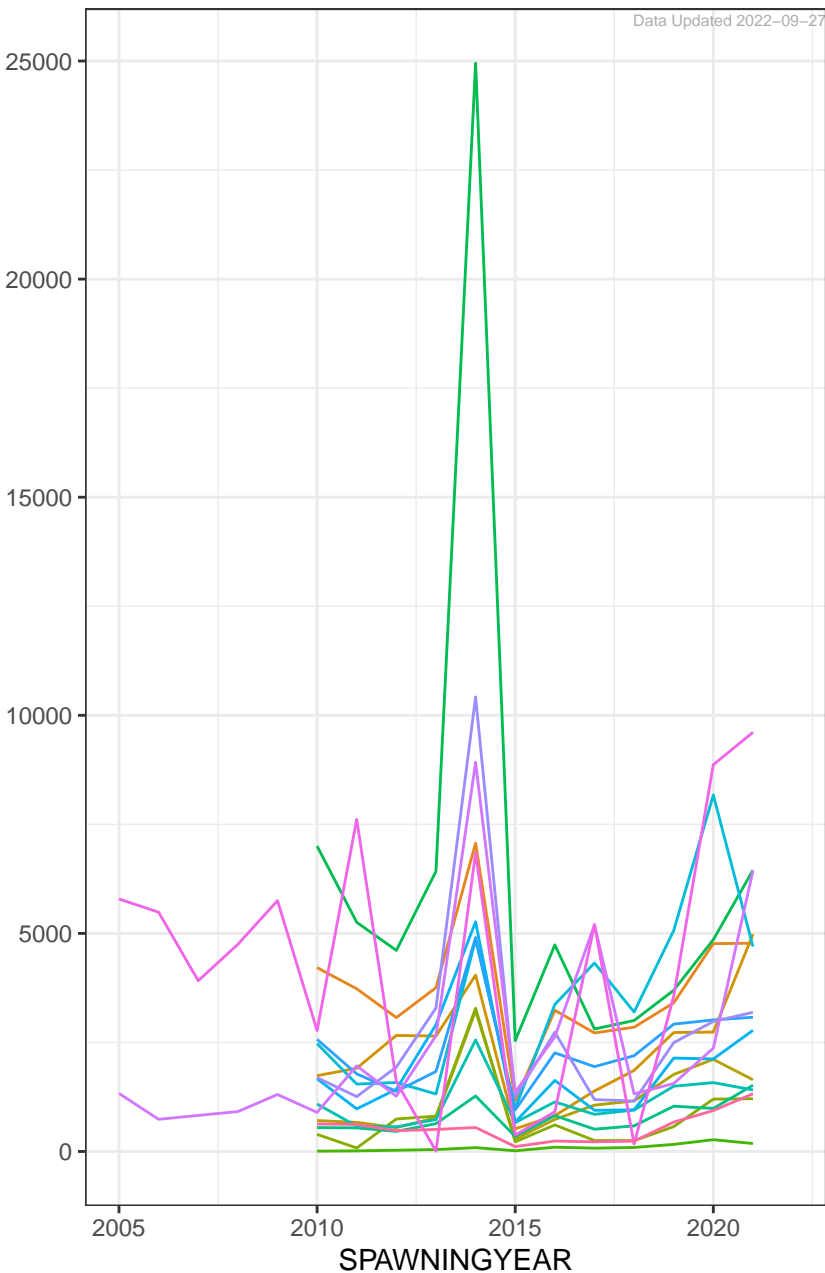
Lower Columbia River Coho ESU



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

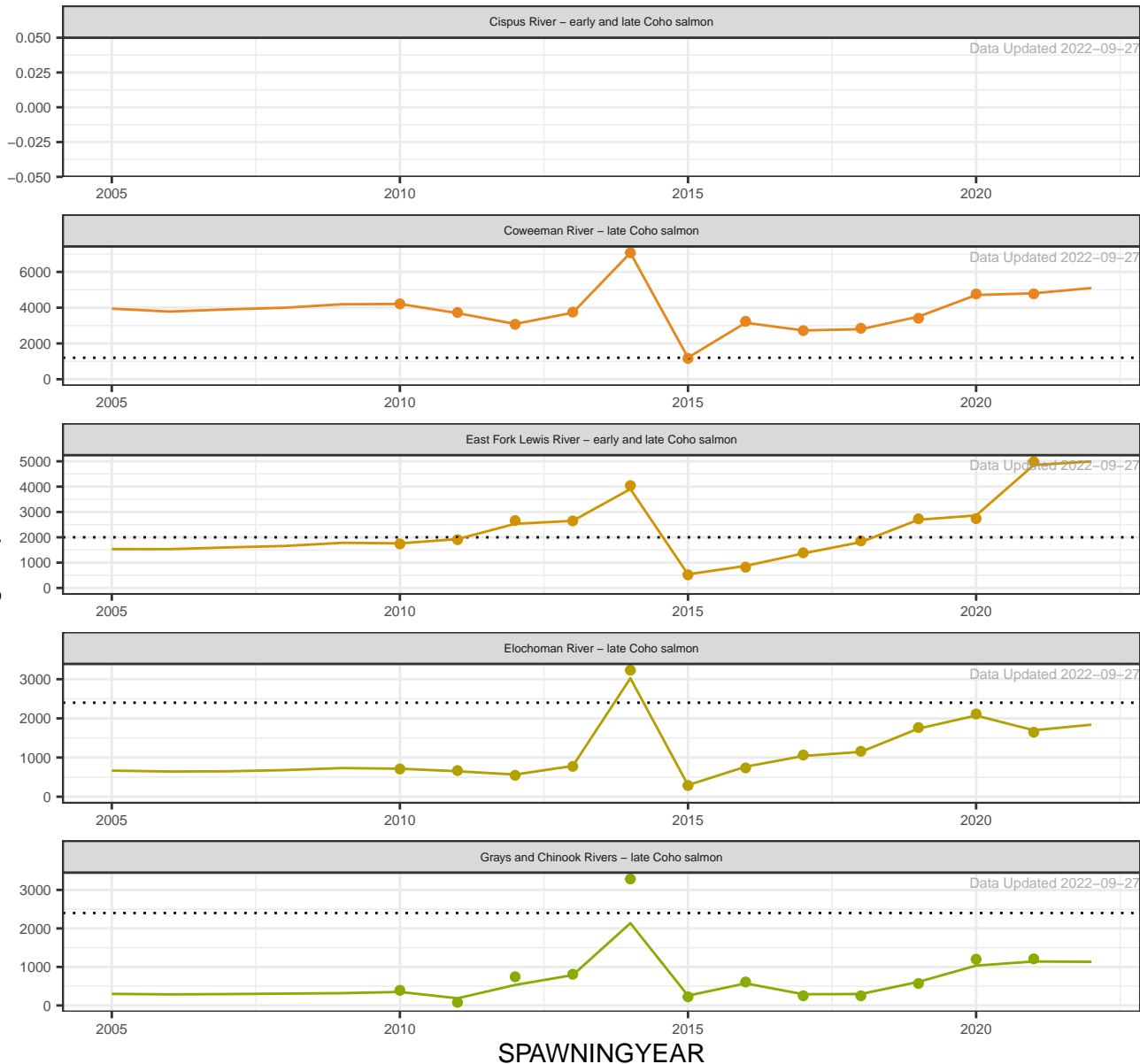


Observed Abundance

- 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

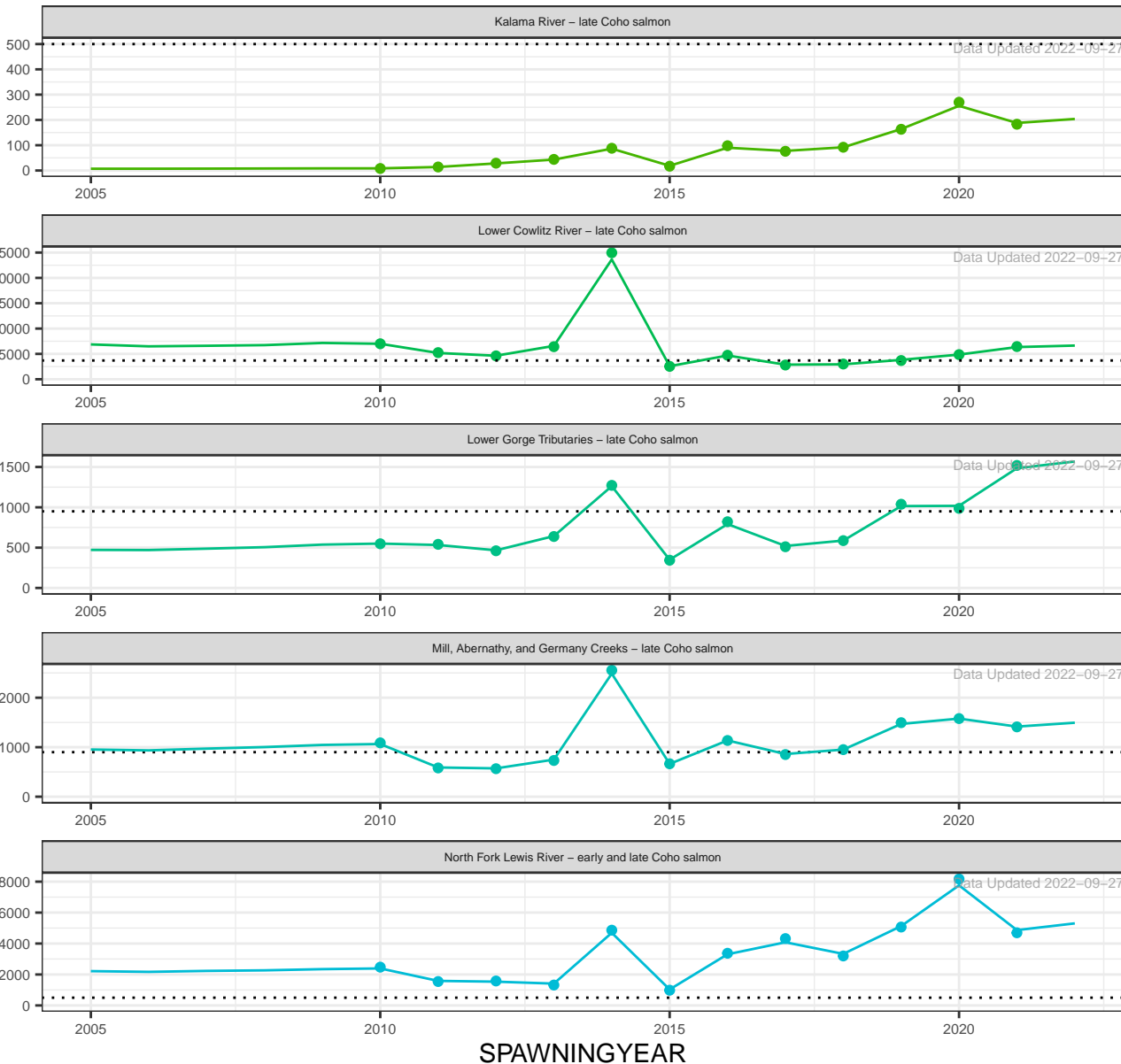
Natural Origin Spawner Abundance



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

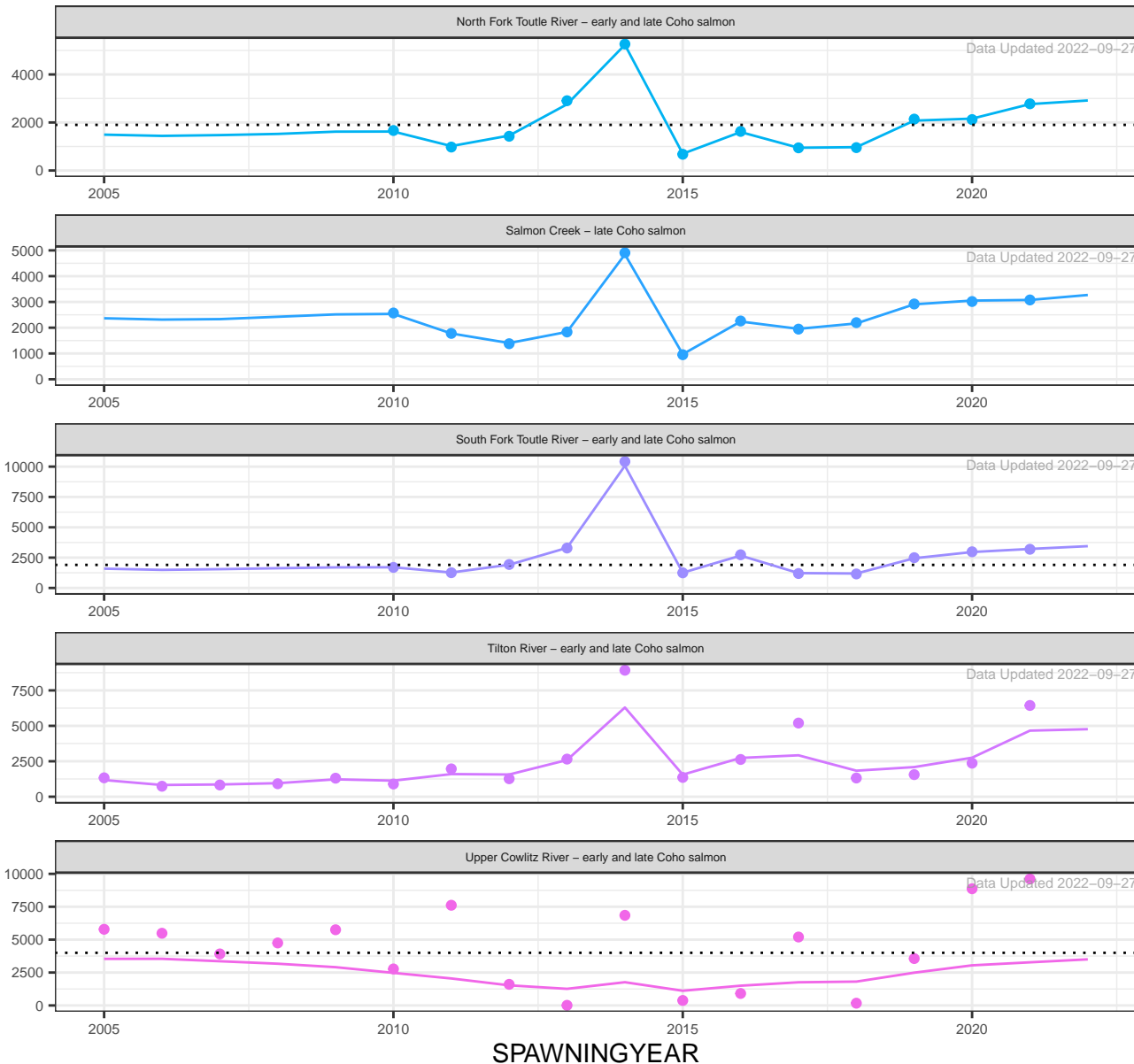
Natural Origin Spawner Abundance



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

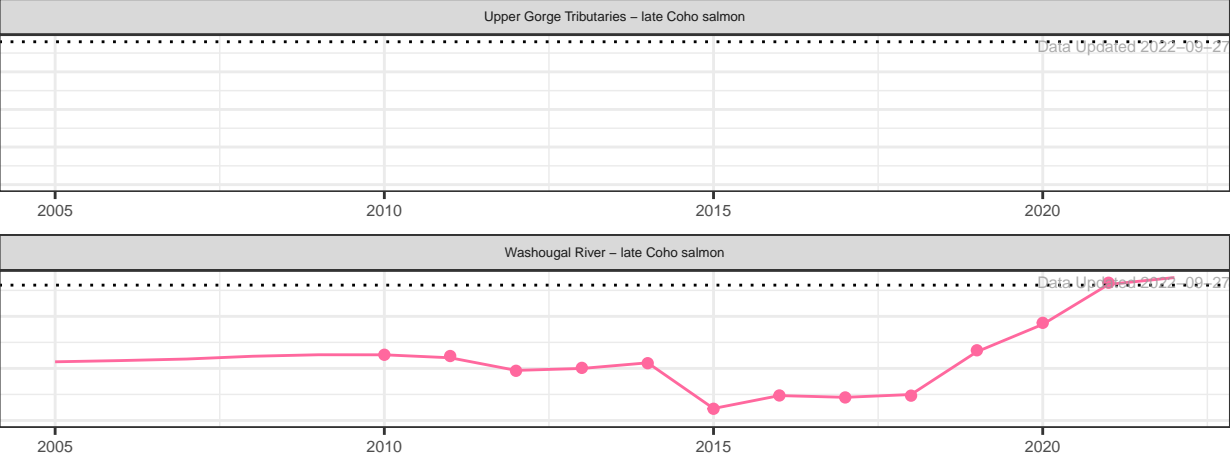
Natural Origin Spawner Abundance



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

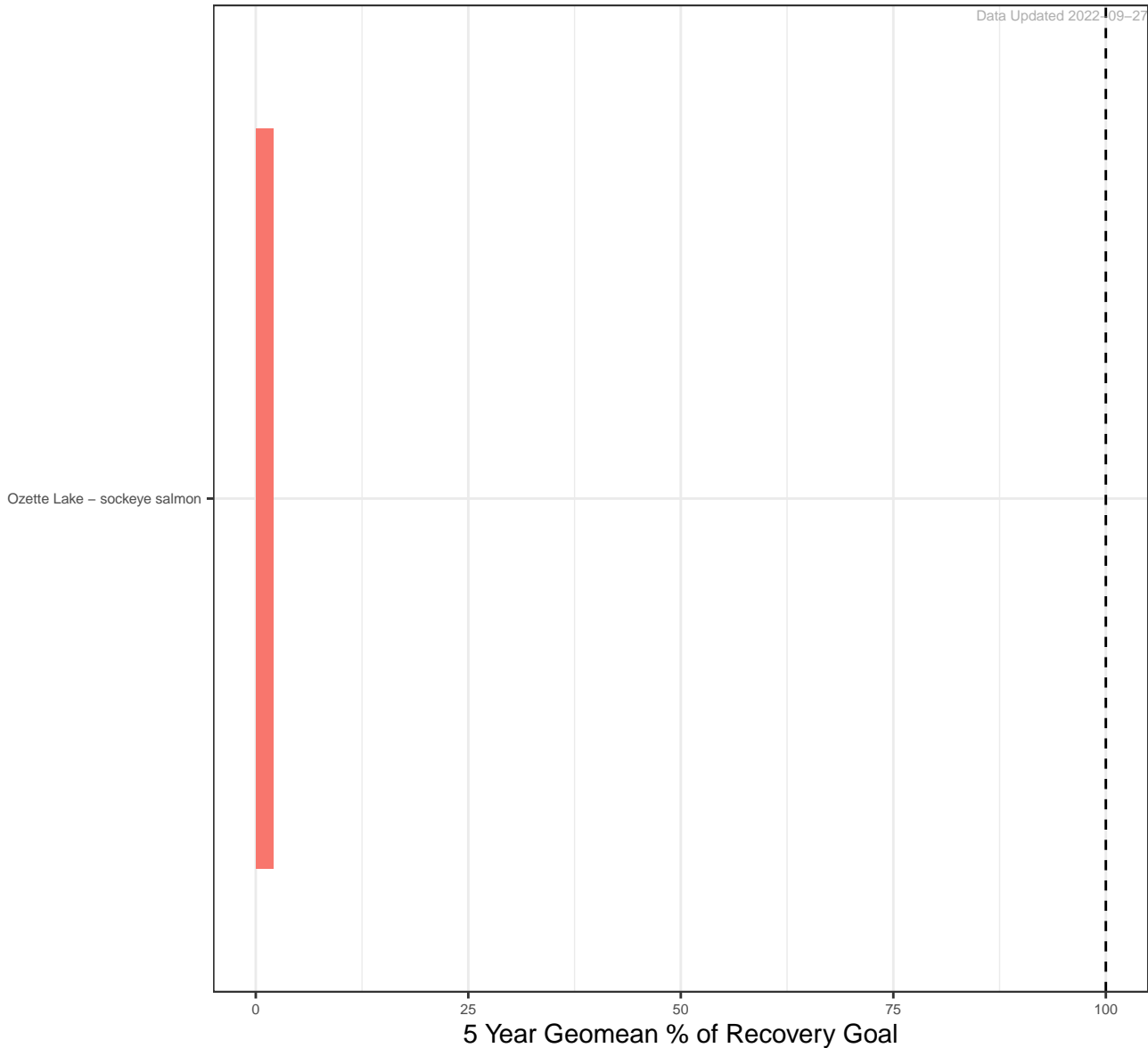
Lower Columbia River Coho ESU

Natural Origin Spawner Abundance



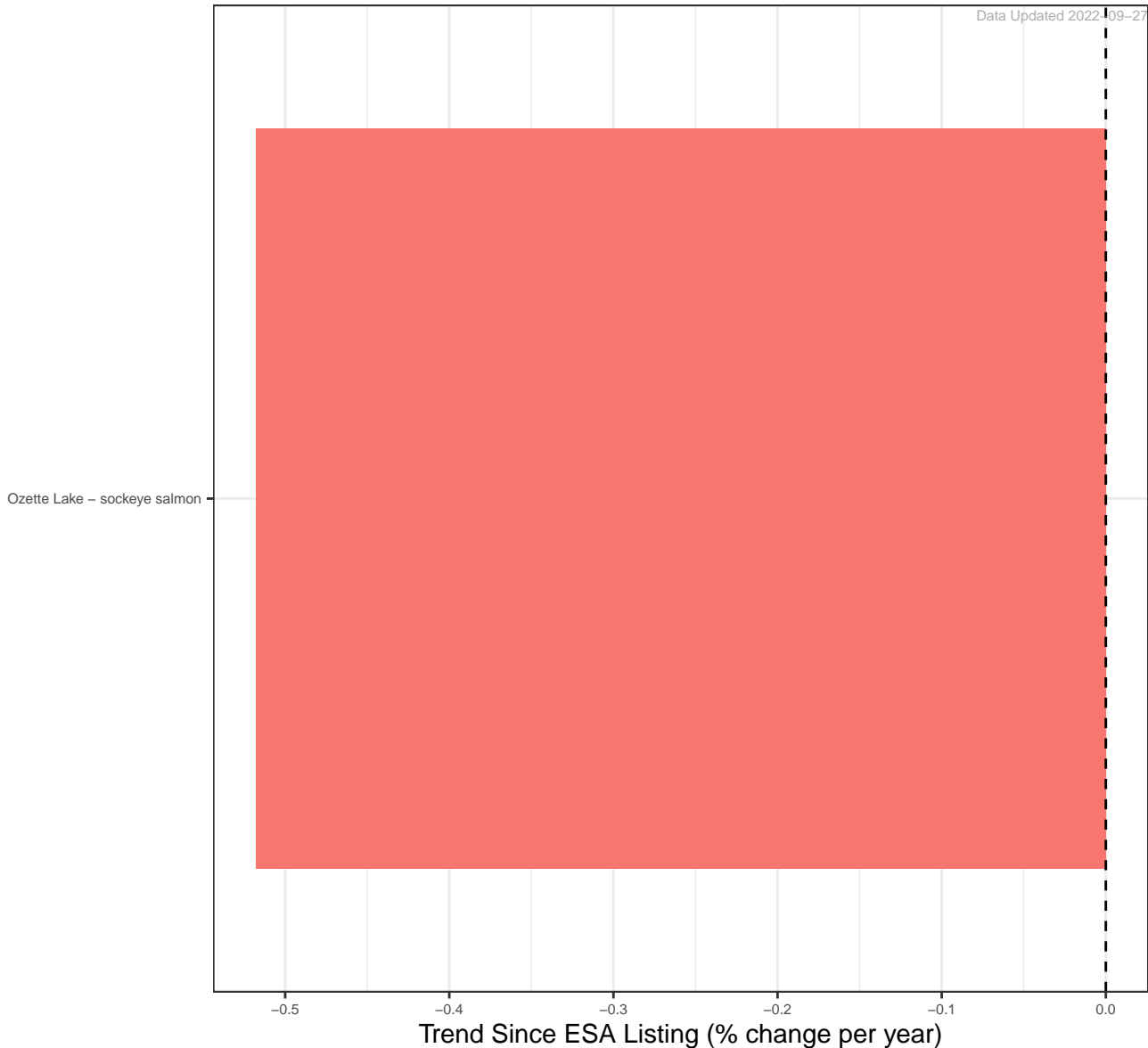
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Ozette Lake Sockeye ESU



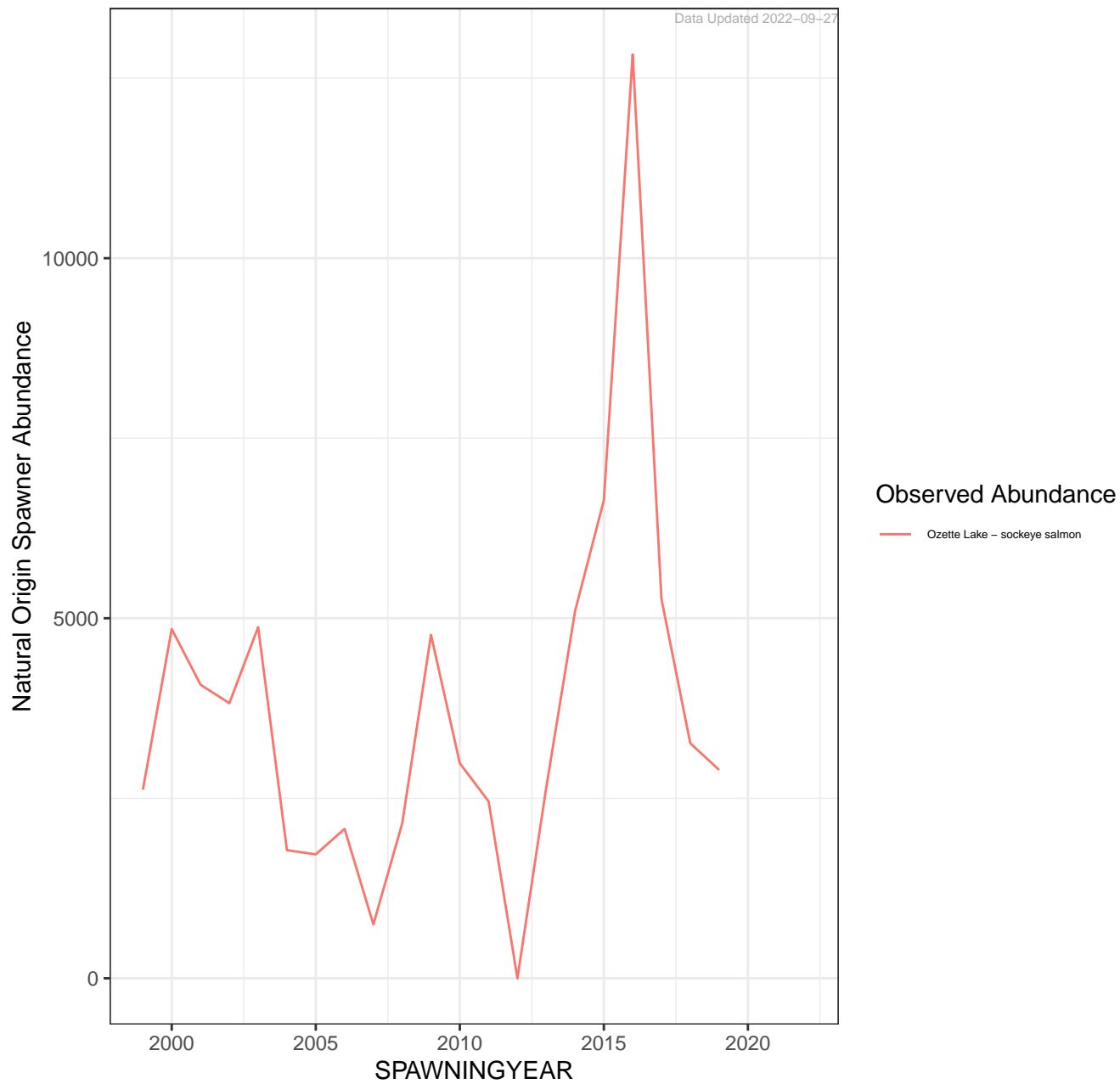
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Ozette Lake Sockeye ESU

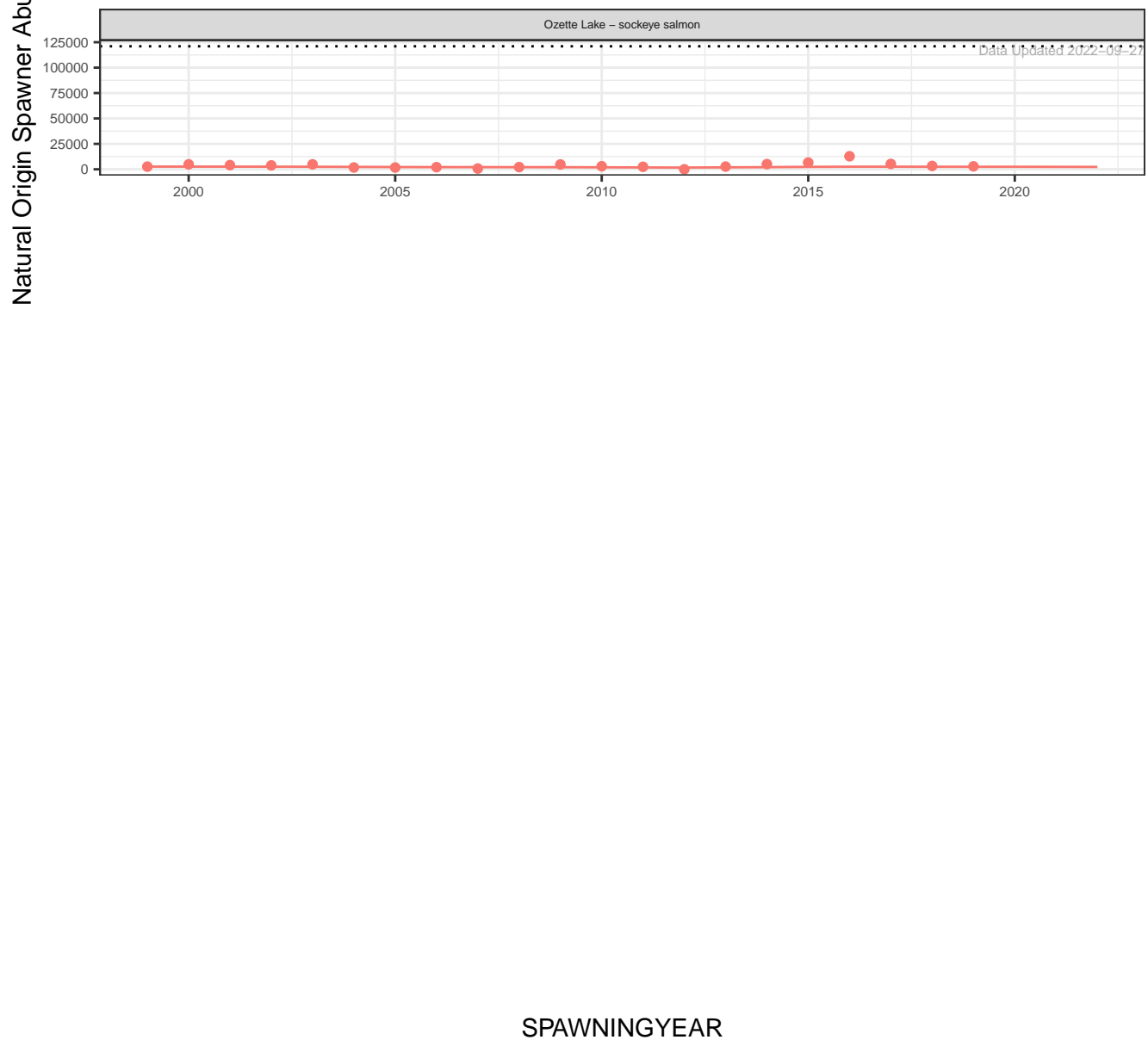


Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Ozette Lake Sockeye ESU

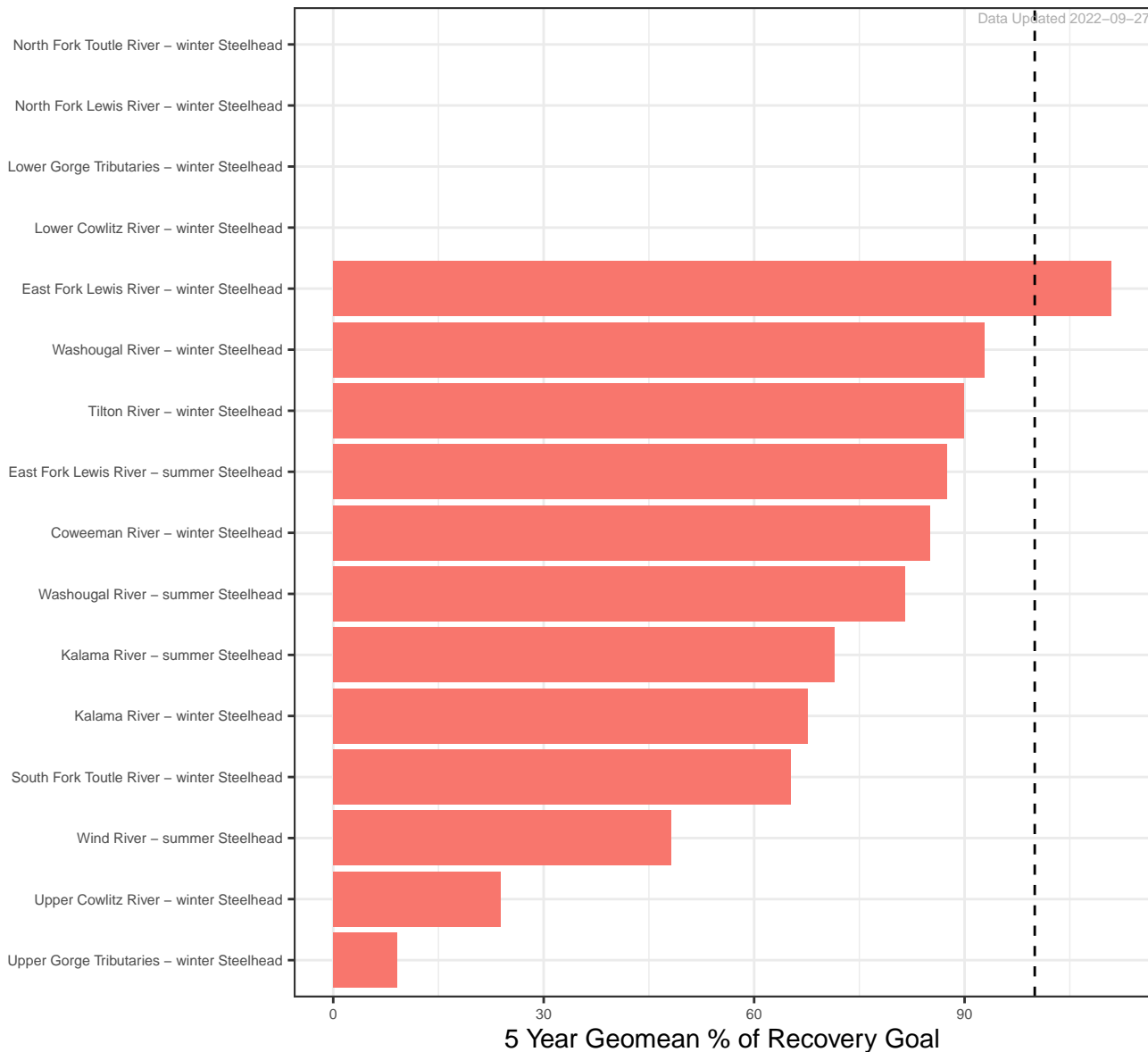


Ozette Lake Sockeye ESU



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

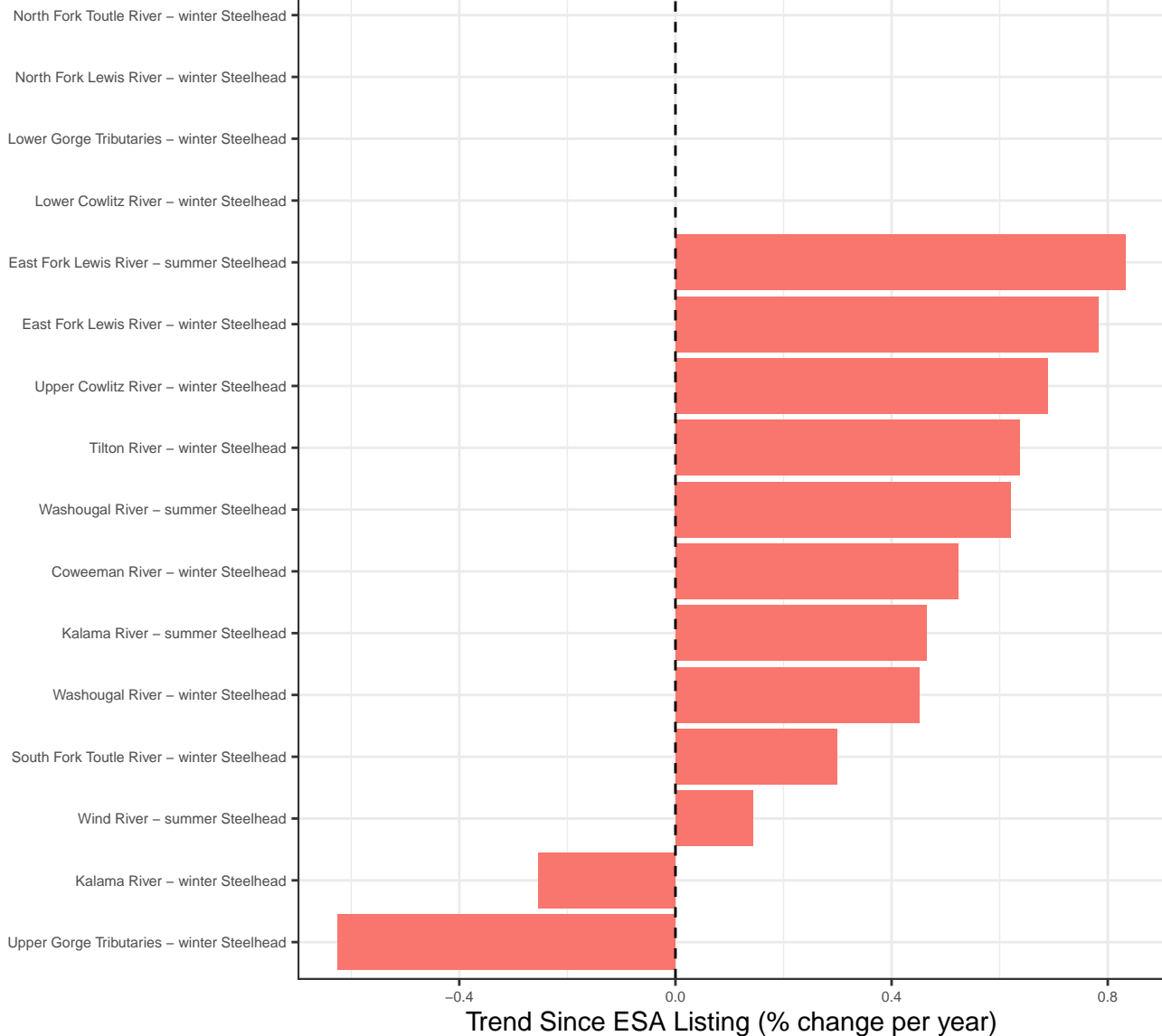
Lower Columbia River Steelhead DPS



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

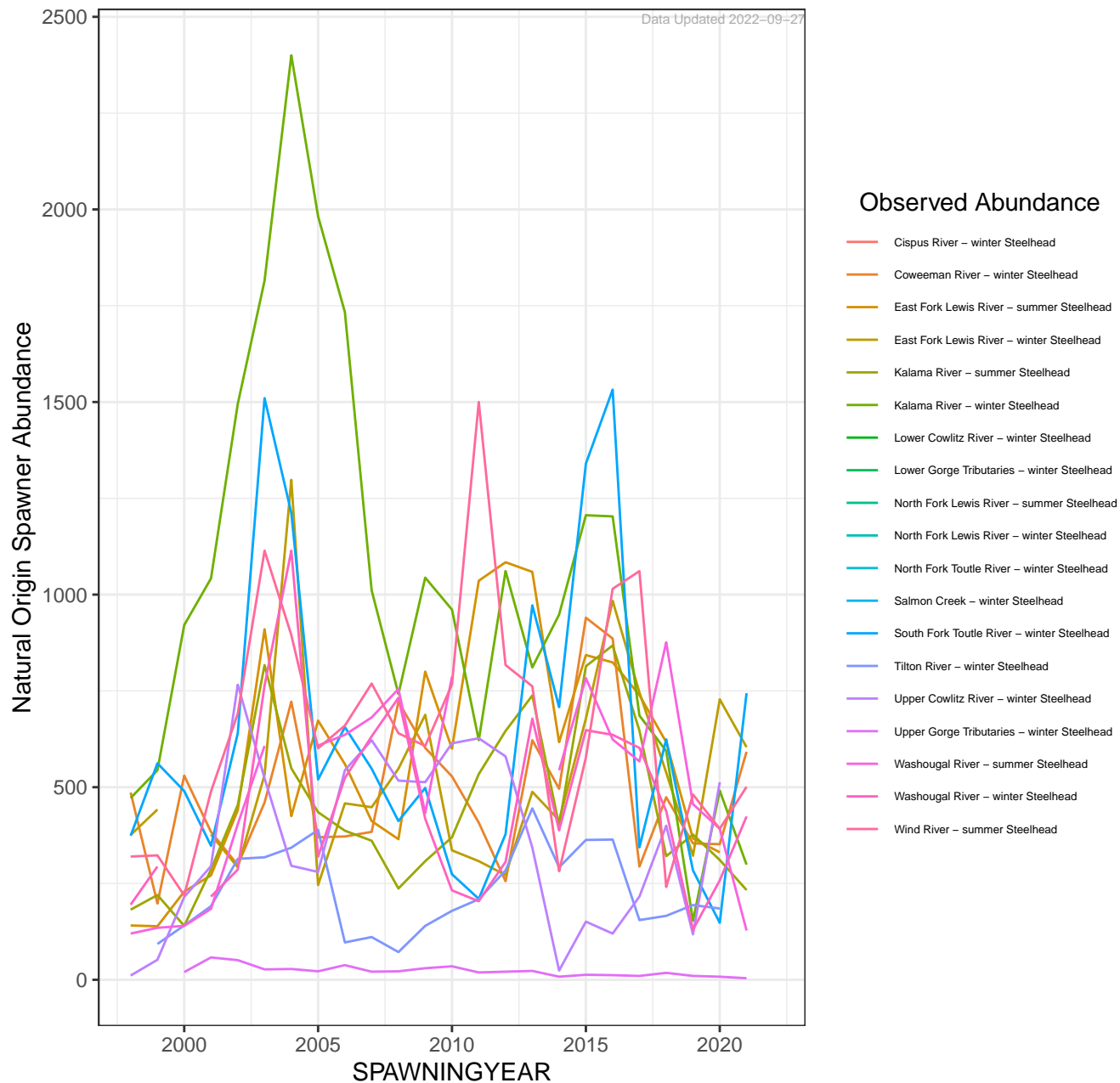
Lower Columbia River Steelhead DPS

Data Updated 2022-09-27



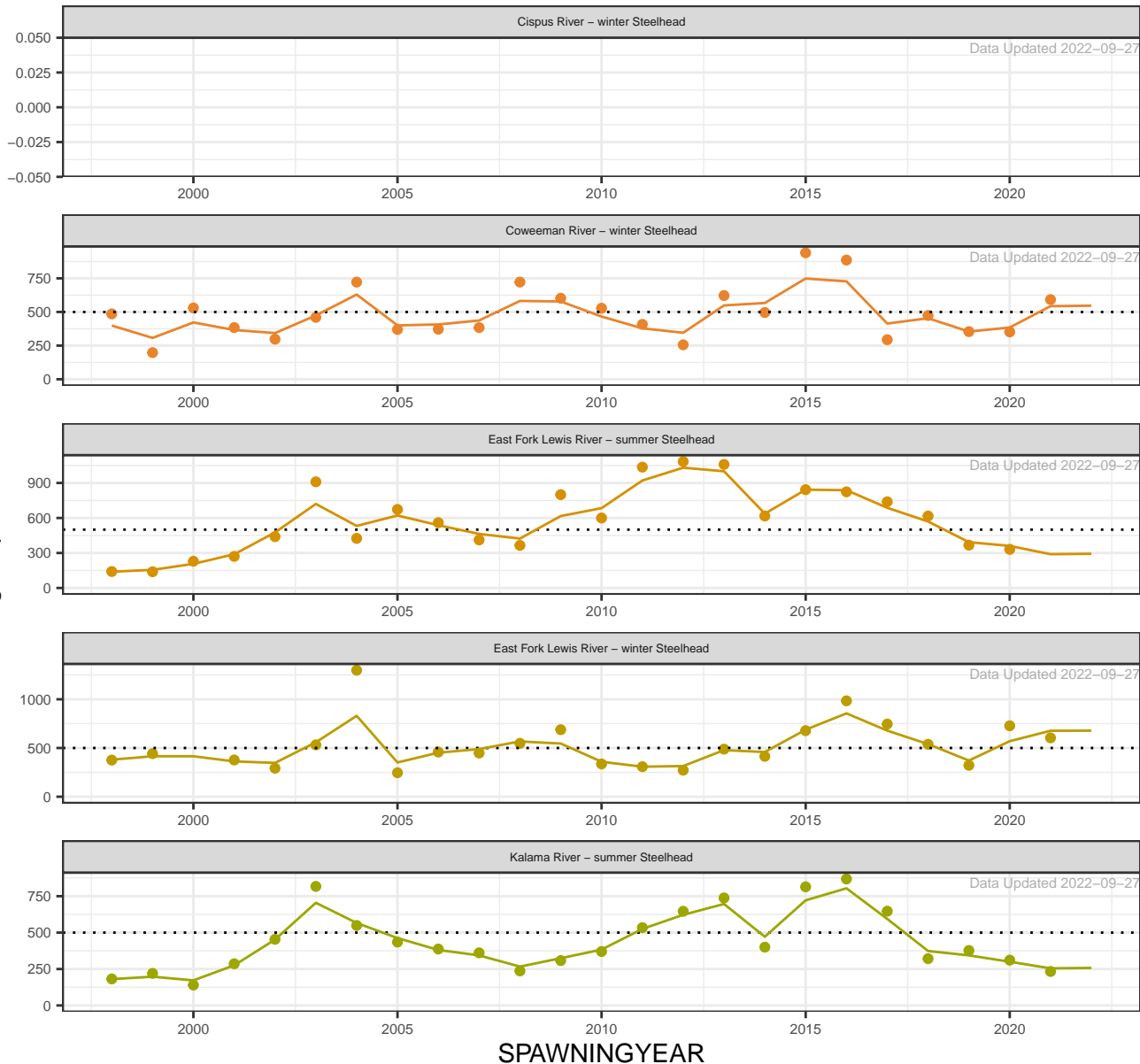
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Lower Columbia River Steelhead DPS



Lower Columbia River Steelhead DPS

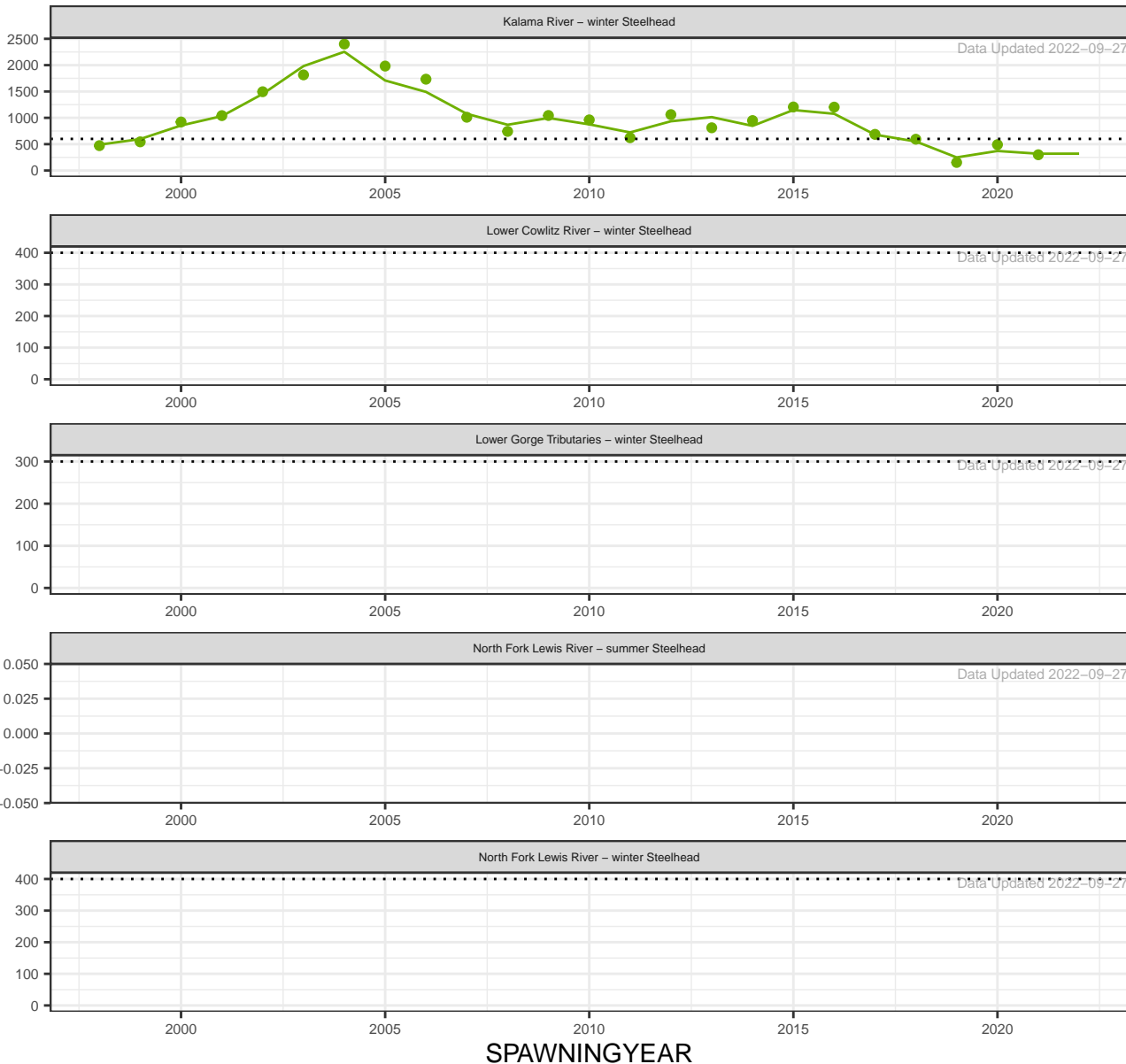
Natural Origin Spawner Abundance



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

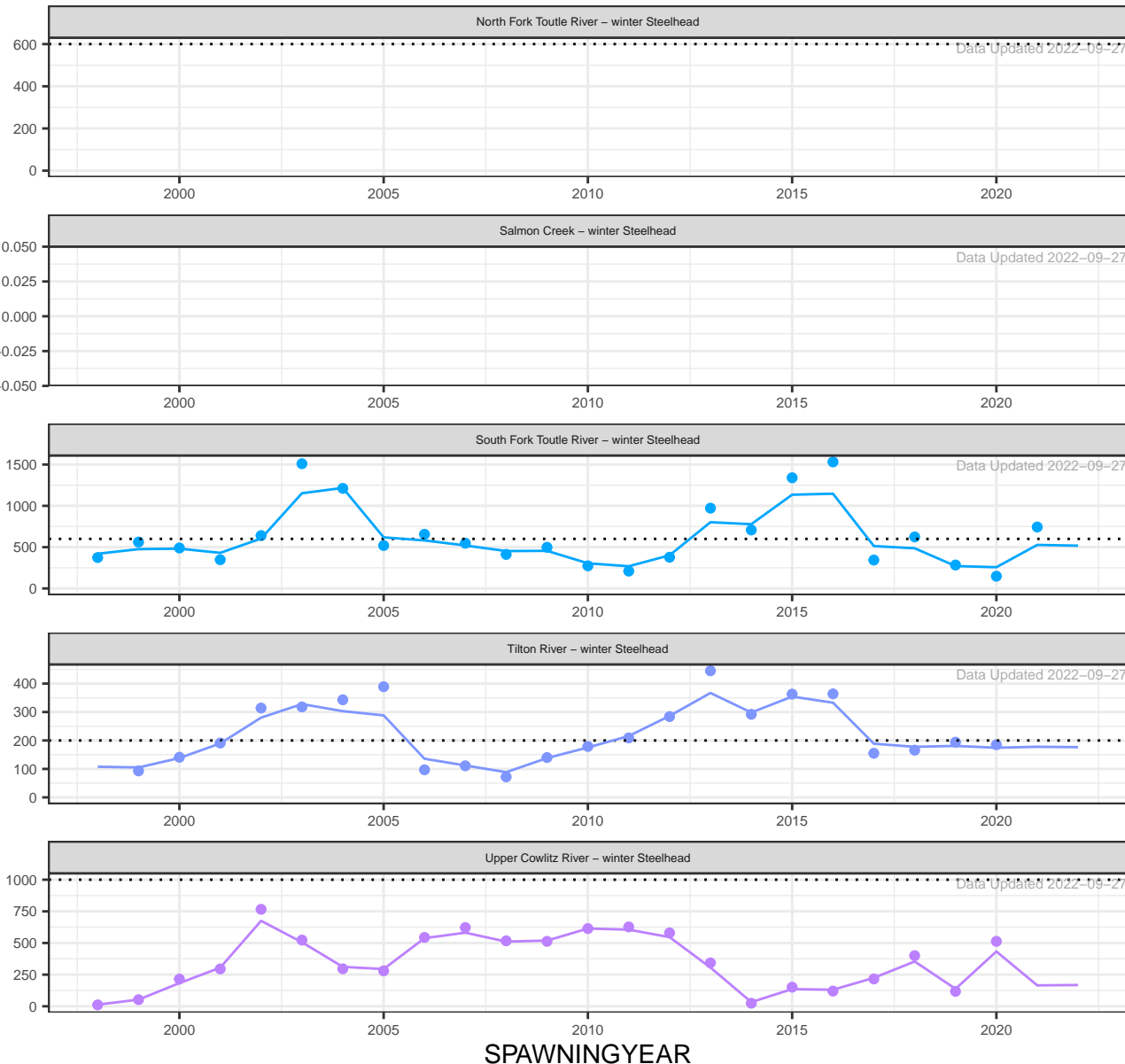
Natural Origin Spawner Abundance



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

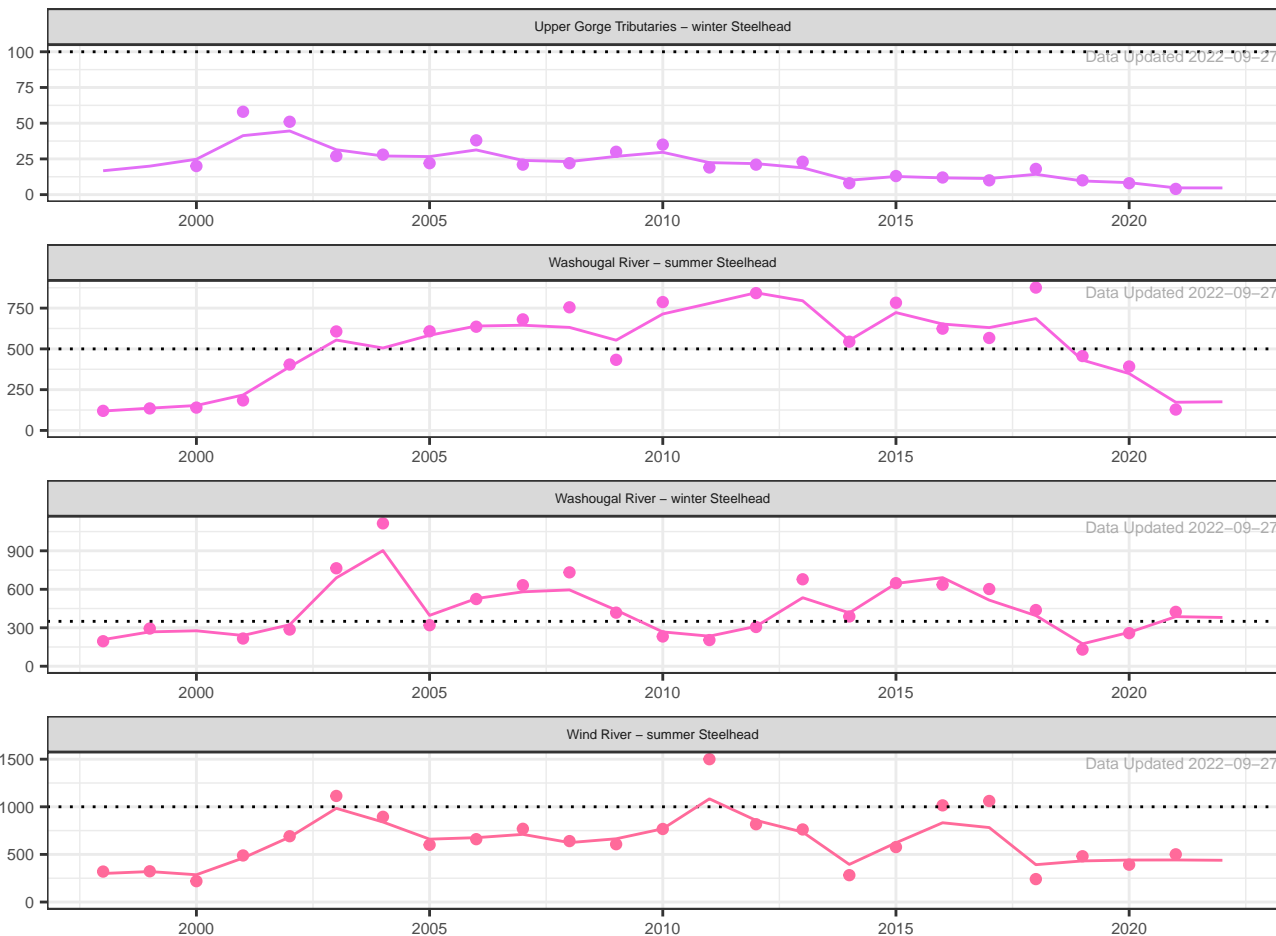
Natural Origin Spawner Abundance



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

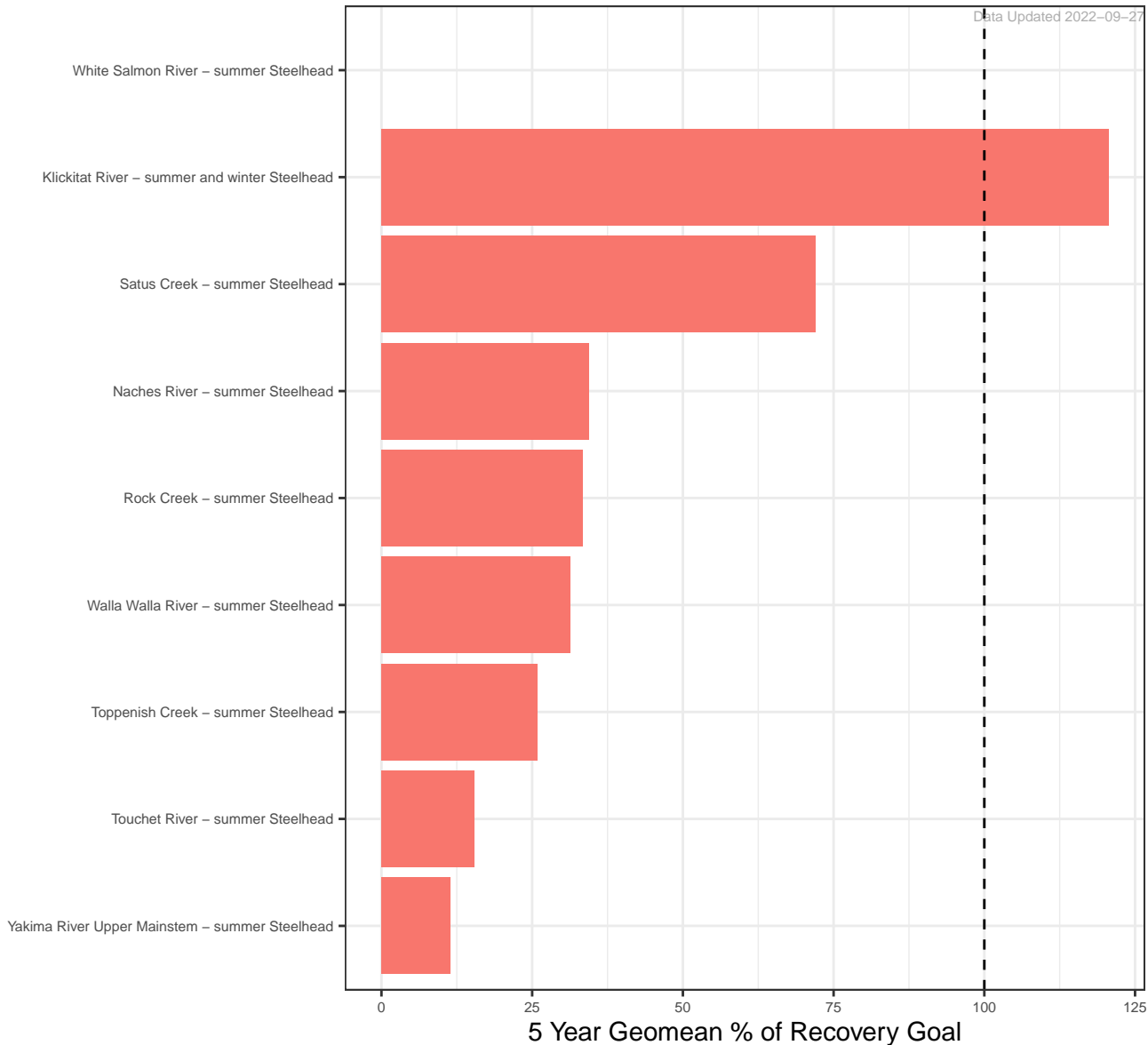
Natural Origin Spawner Abundance



SPAWNINGYEAR

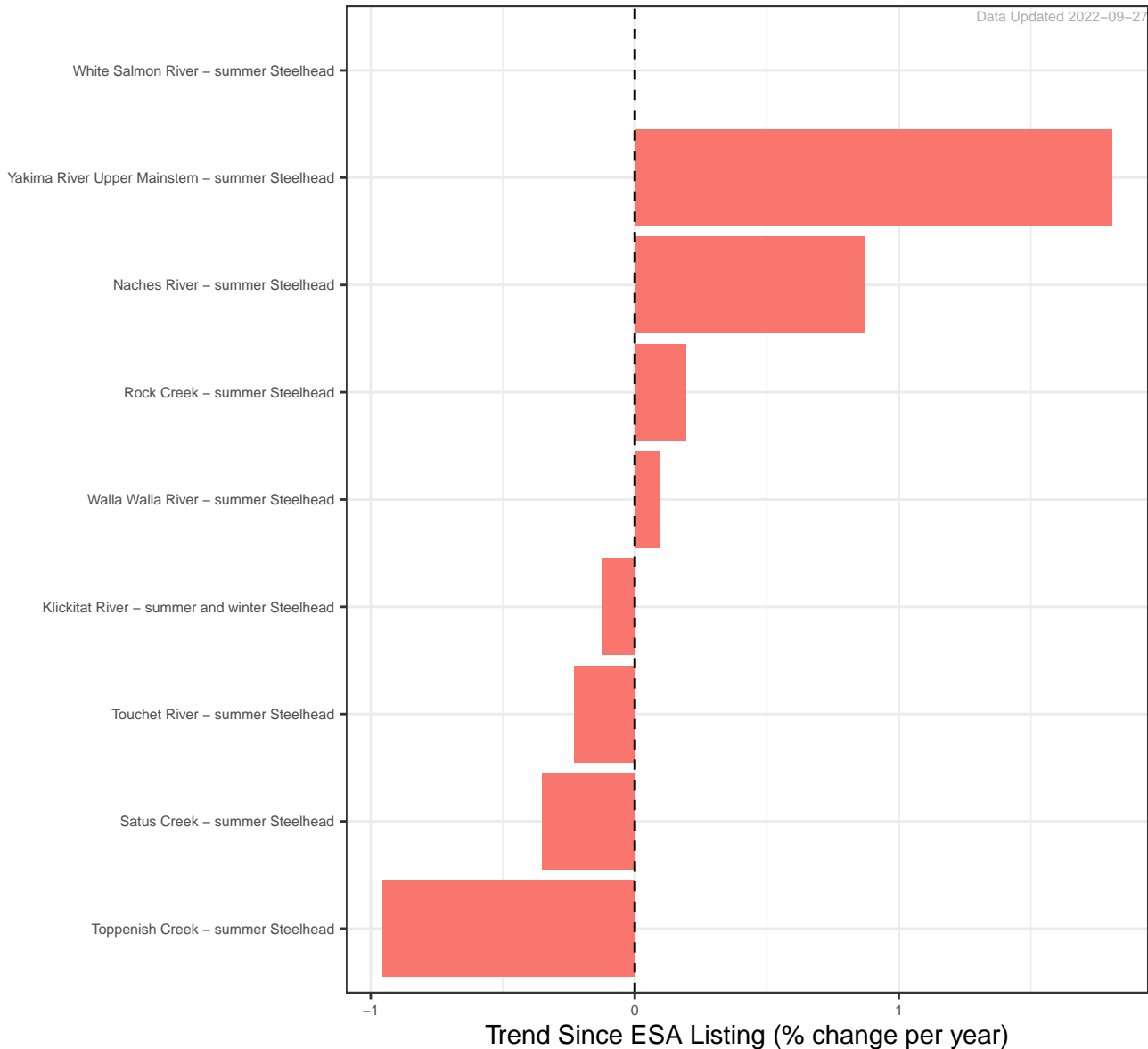
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Middle Columbia River Steelhead DPS



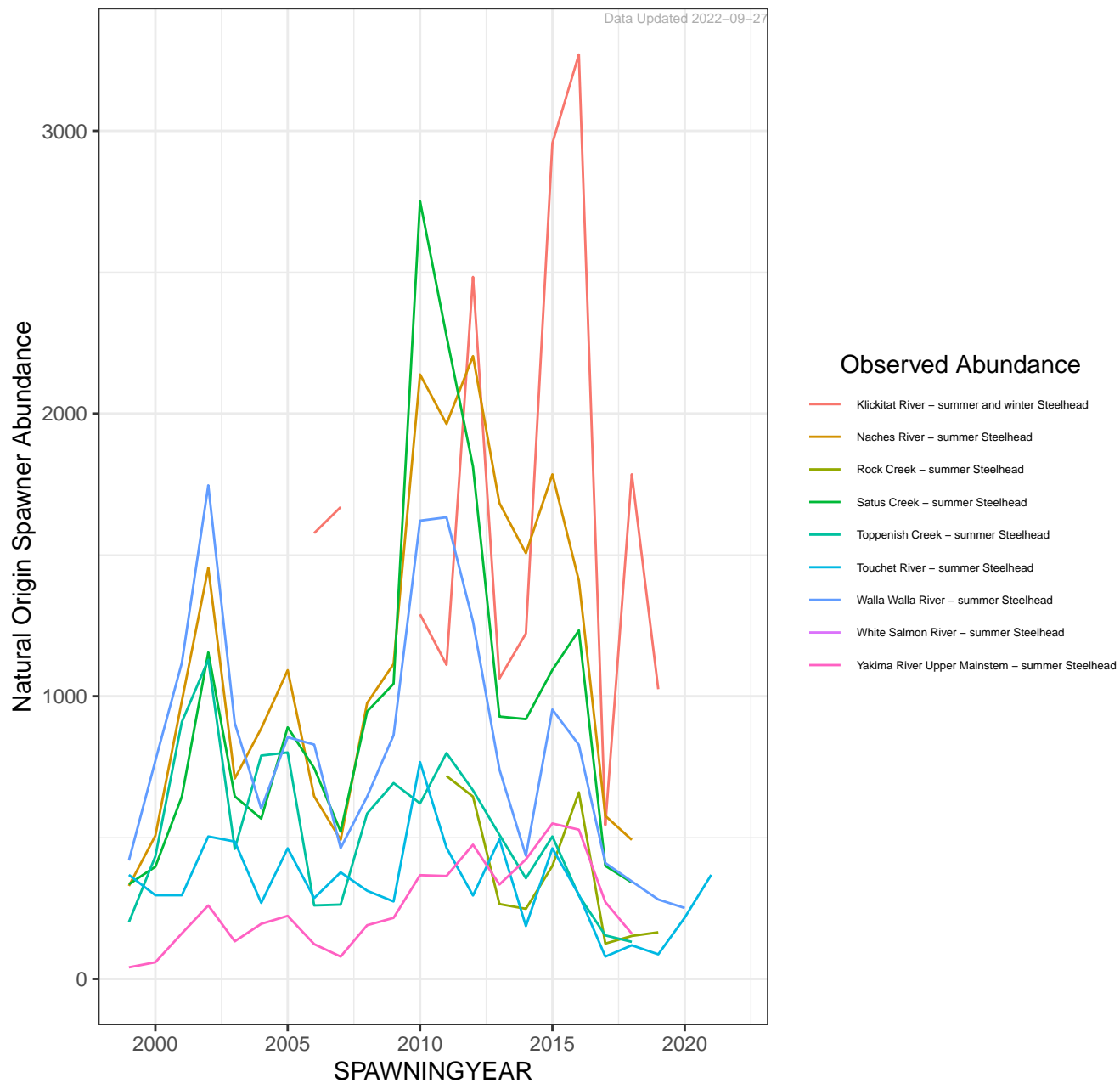
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals. Populations with no bars had no usable data.

Middle Columbia River Steelhead DPS



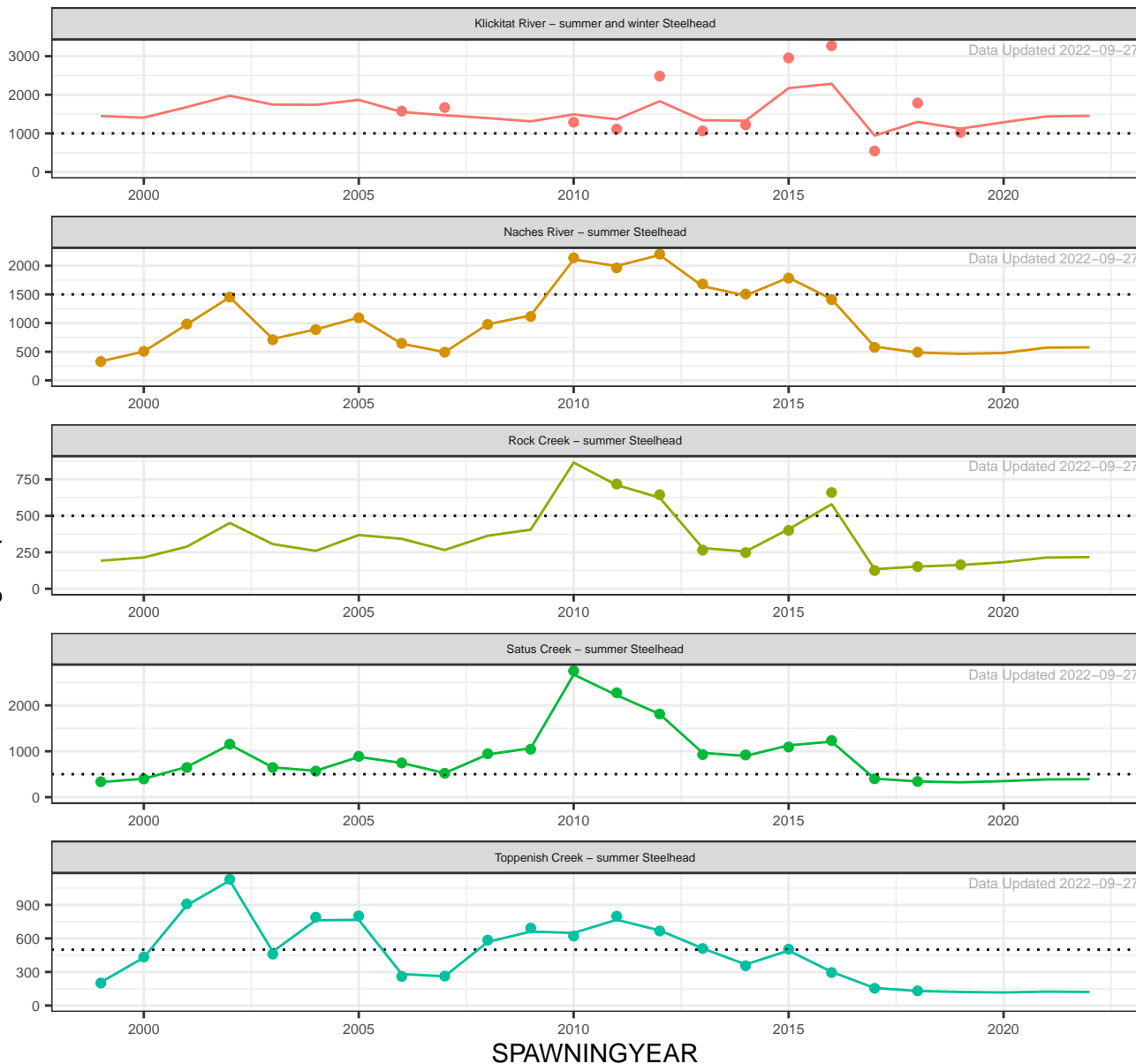
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Middle Columbia River Steelhead DPS



Middle Columbia River Steelhead DPS

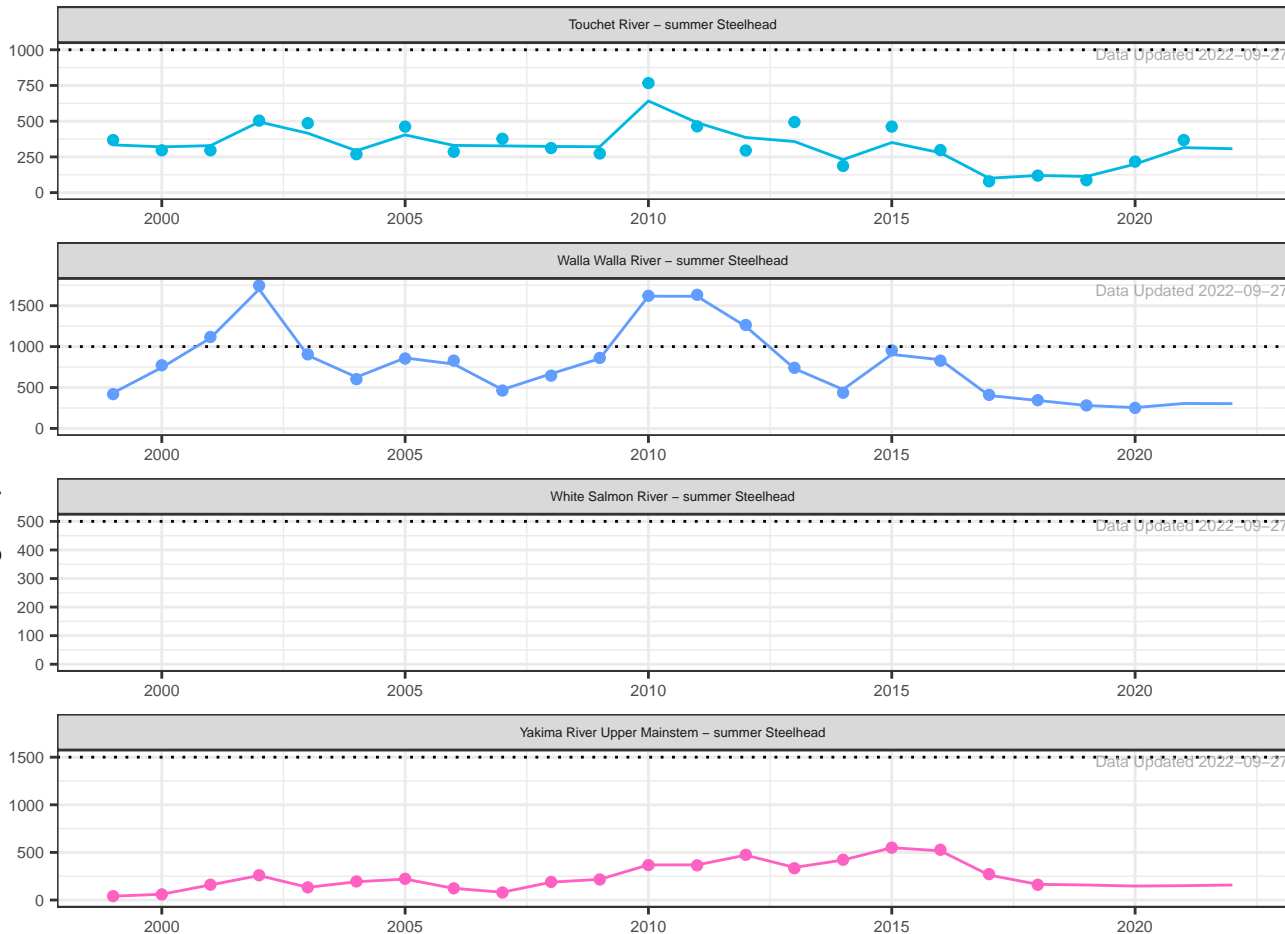
Natural Origin Spawner Abundance



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

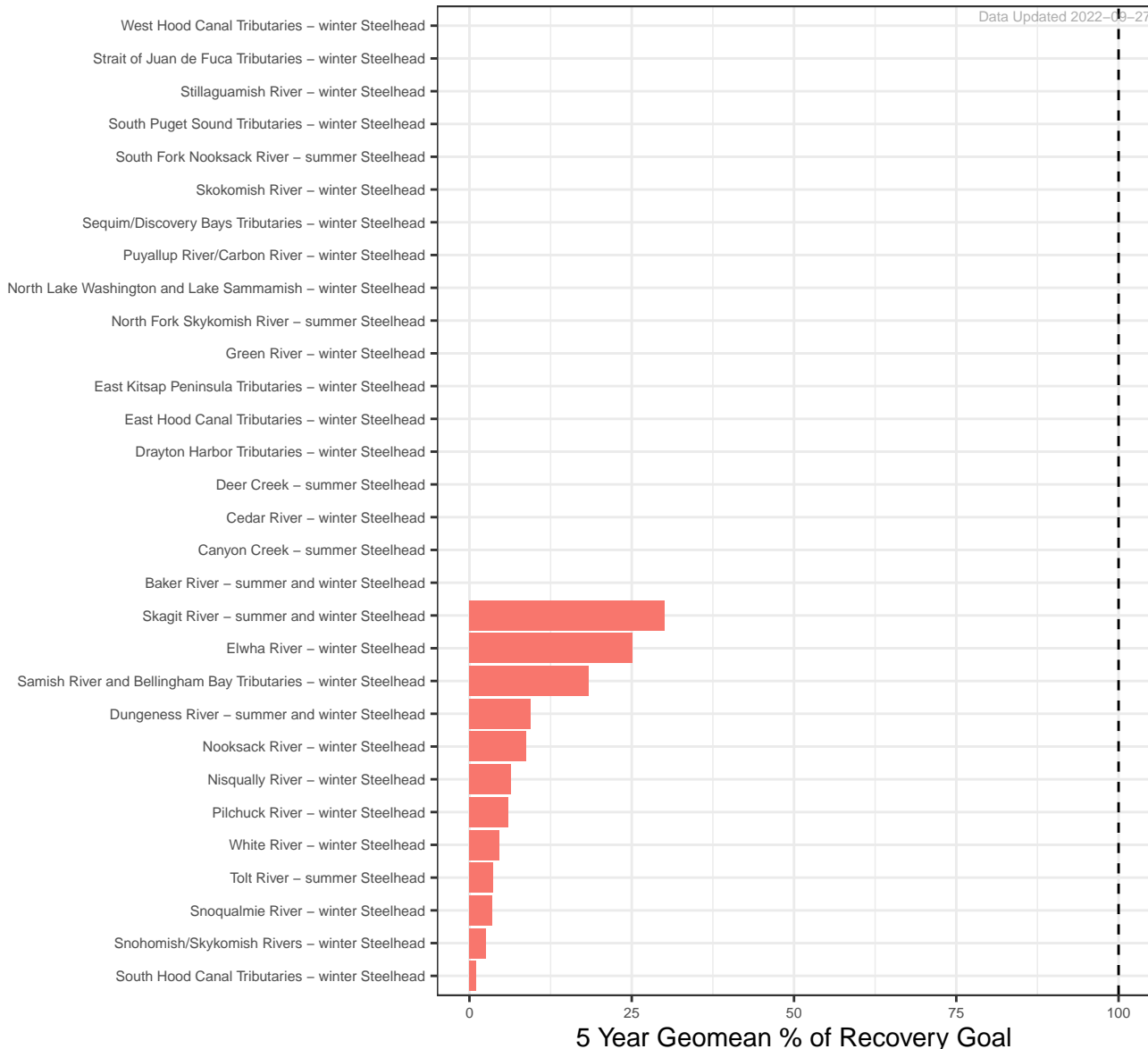
Natural Origin Spawner Abundance



SPAWNINGYEAR

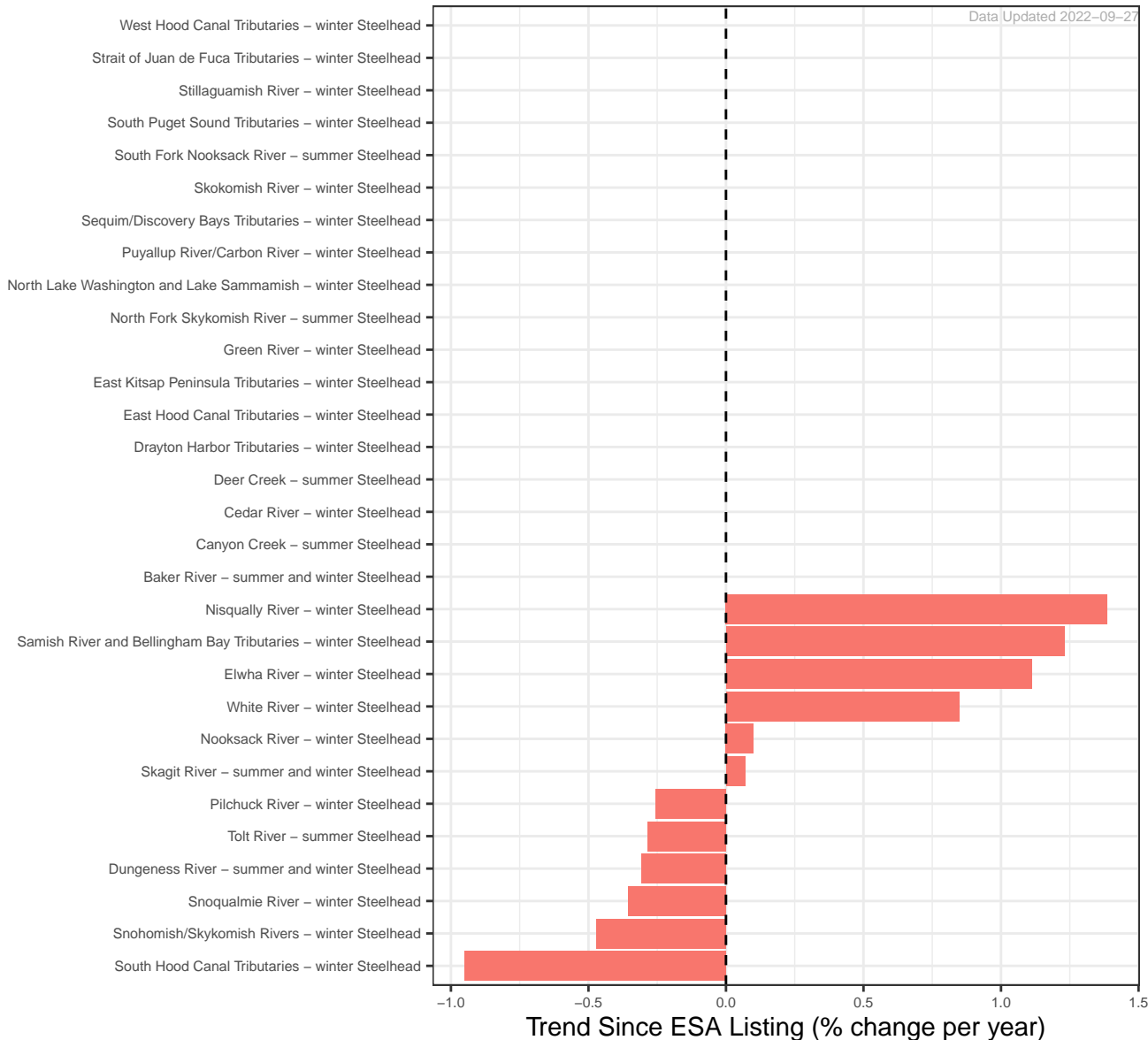
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Puget Sound Steelhead DPS



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



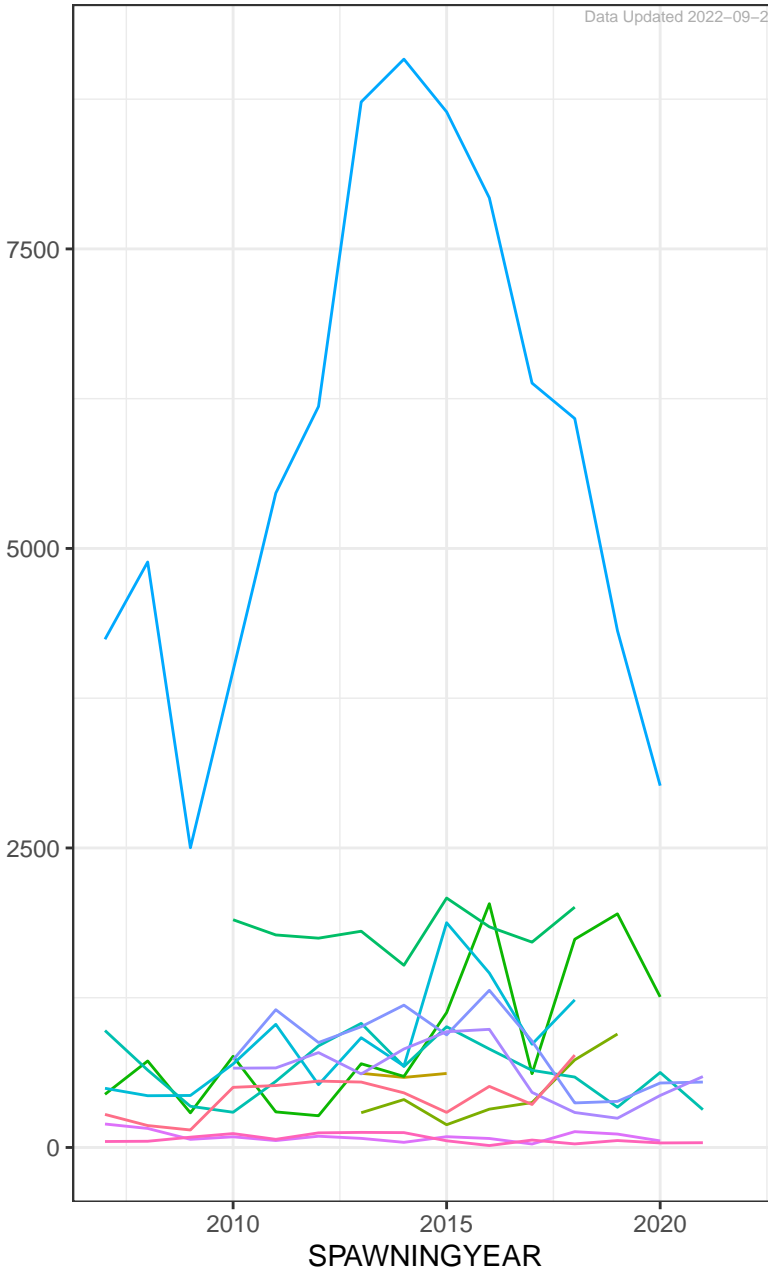
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Puget Sound Steelhead DPS

Observed Abundance

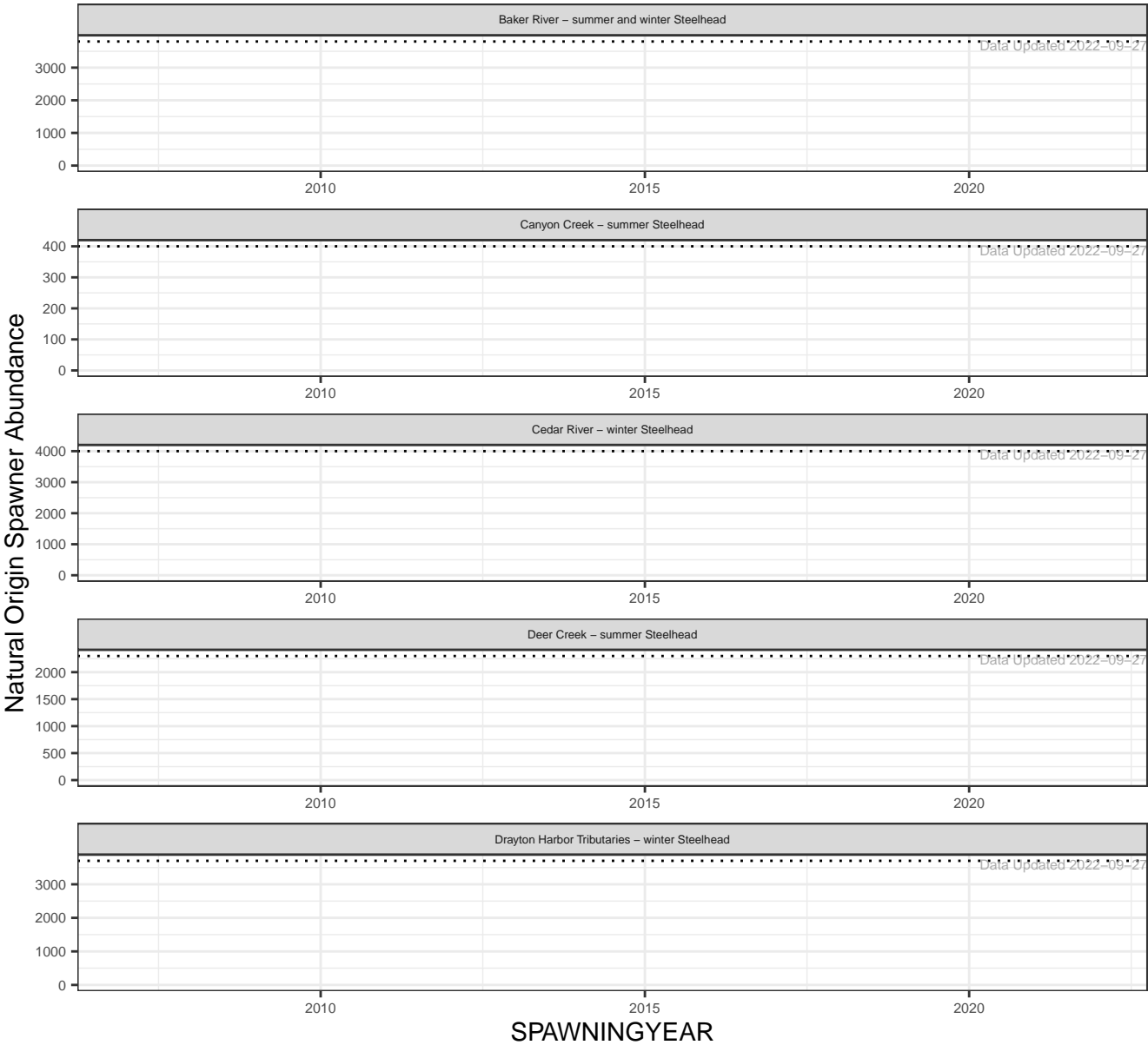
Natural Origin Spawner Abundance

Data Updated 2022-09-27



- 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

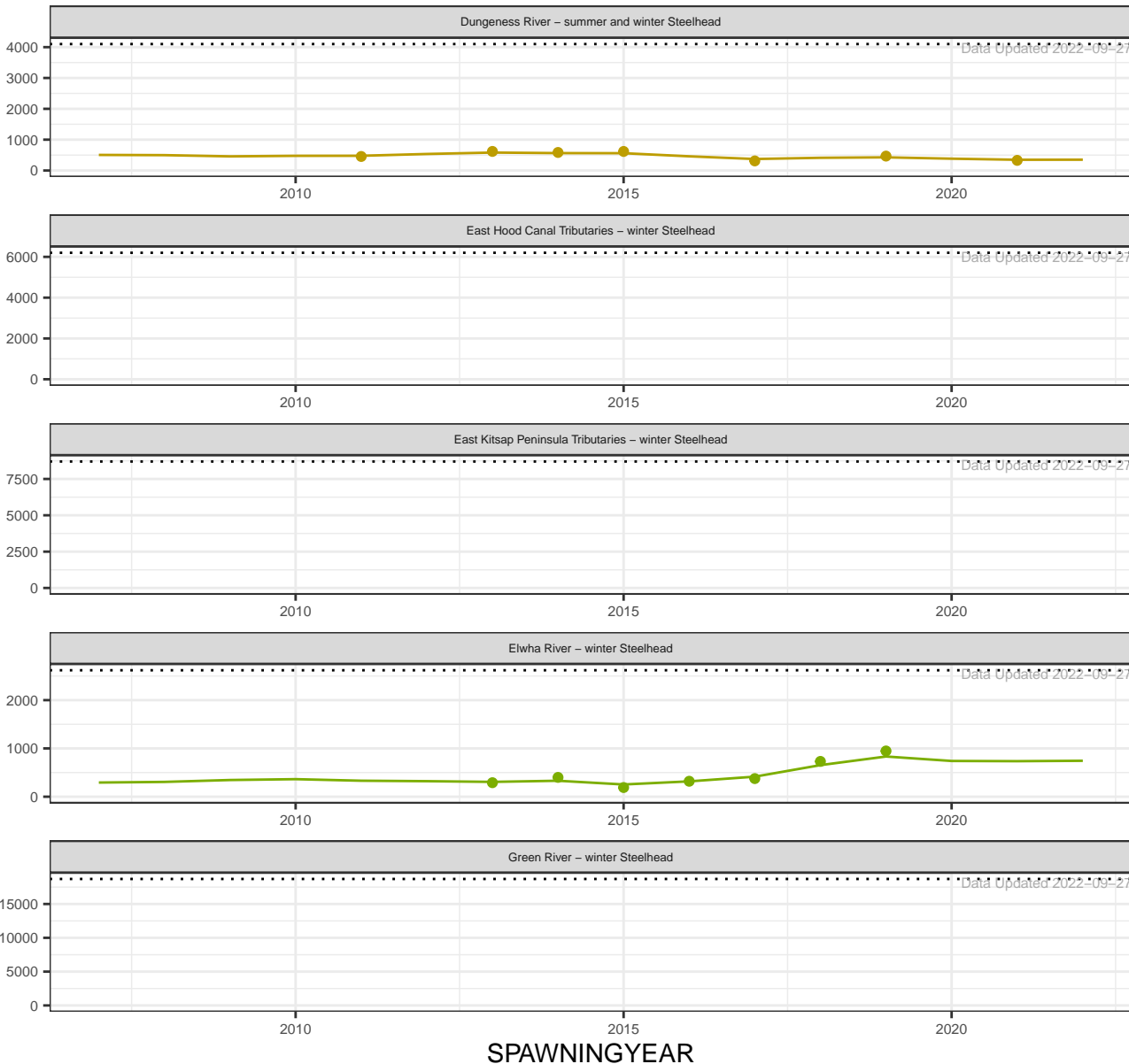
Puget Sound Steelhead DPS



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

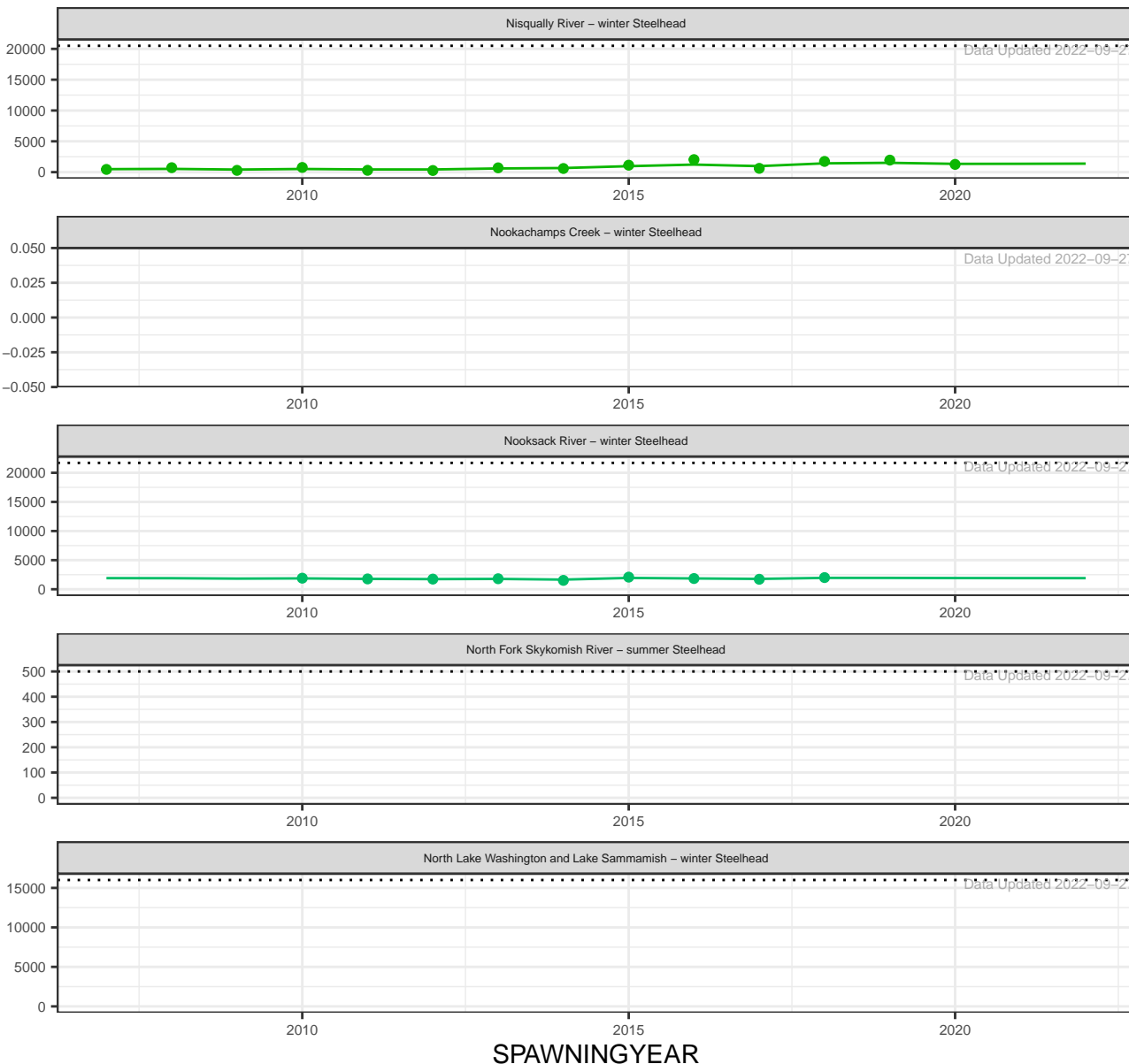
Natural Origin Spawner Abundance



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

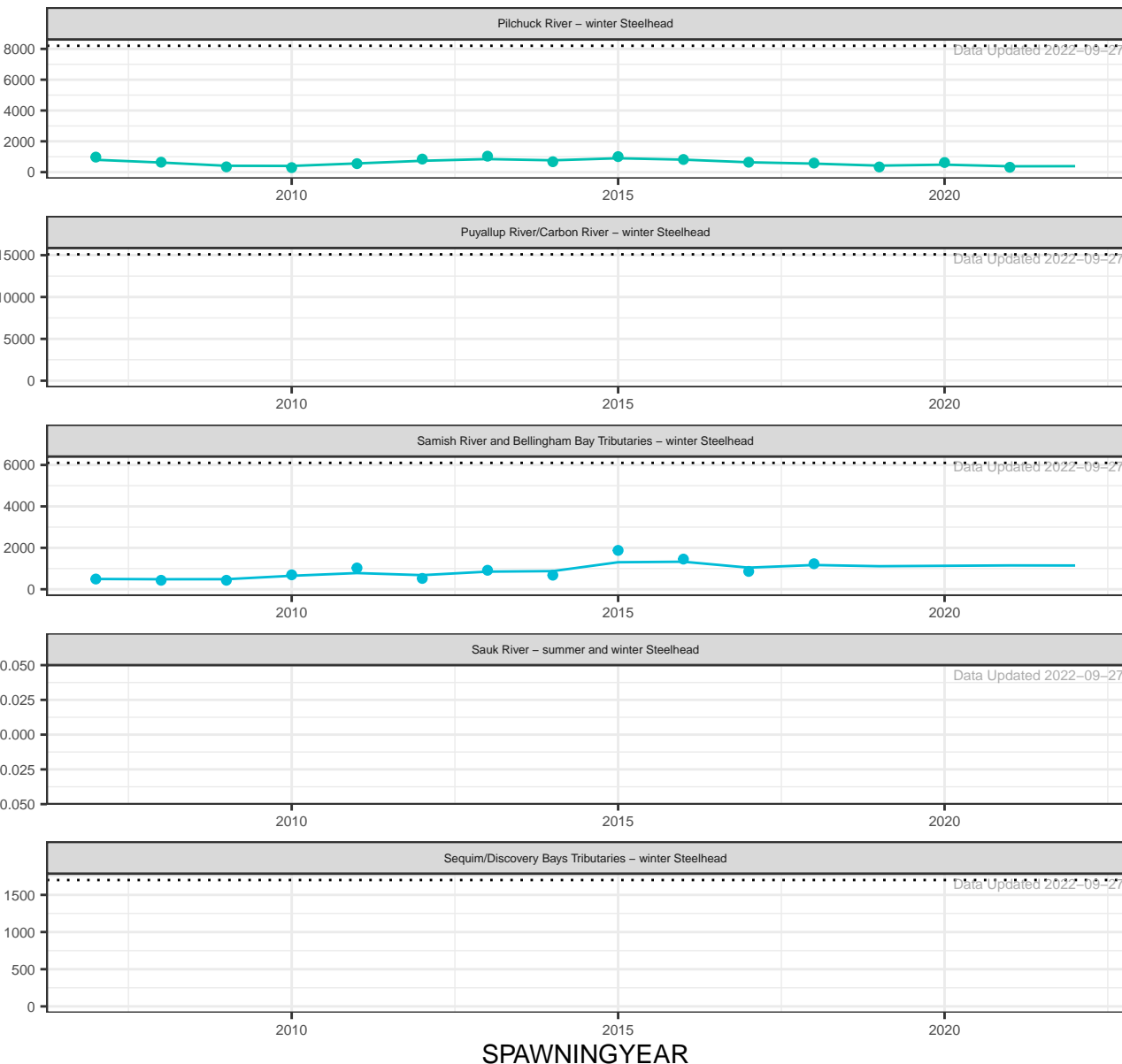
Natural Origin Spawner Abundance



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

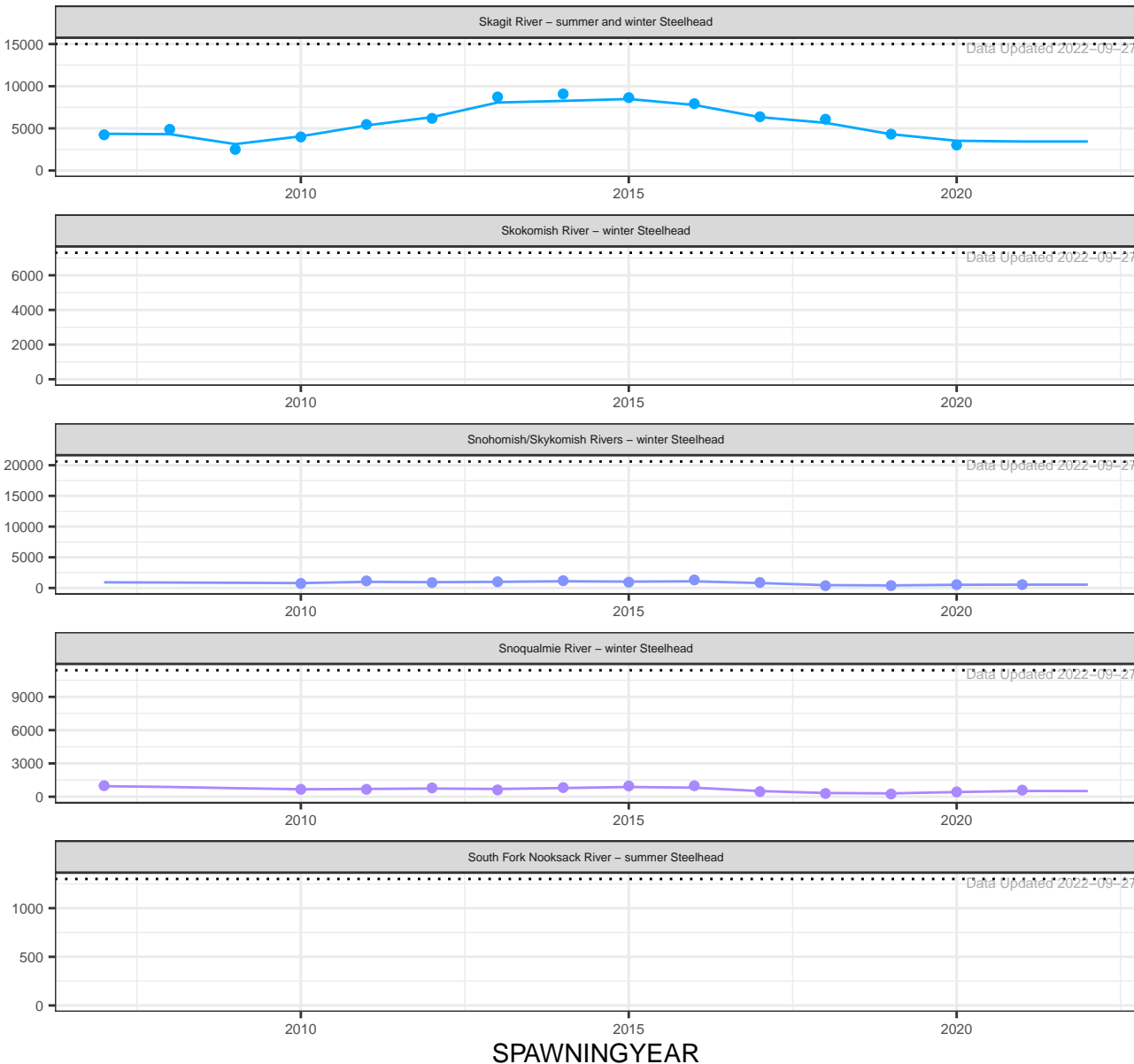
Natural Origin Spawner Abundance



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

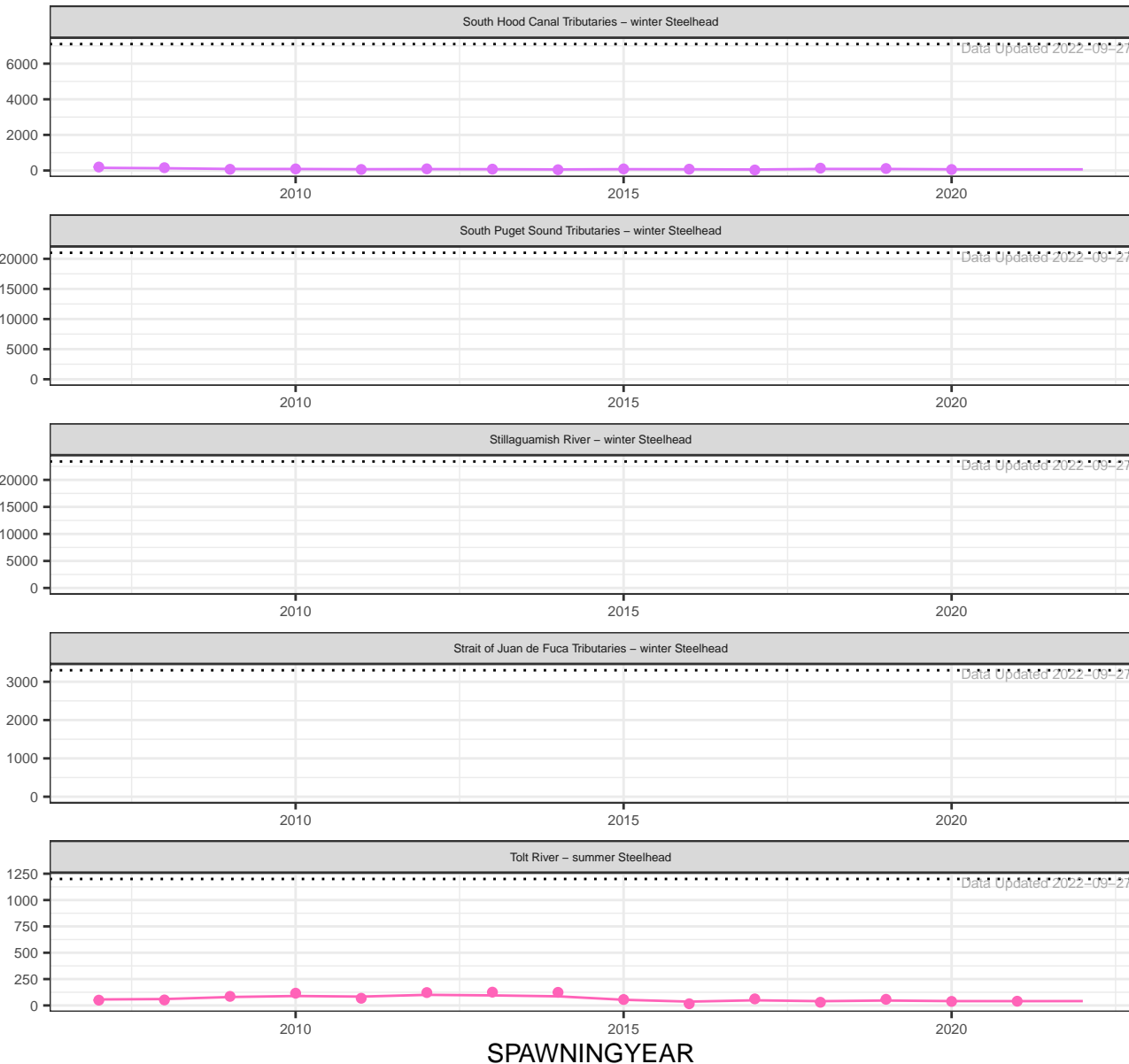
Natural Origin Spawner Abundance



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

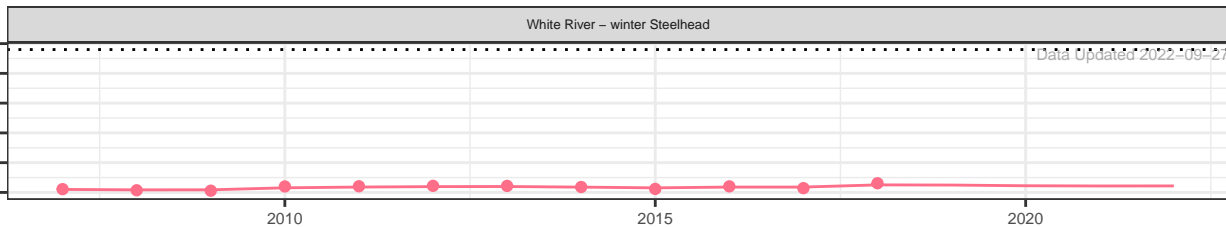
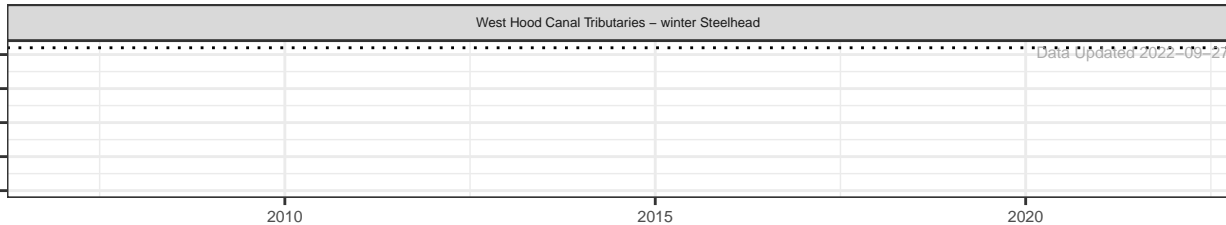
Natural Origin Spawner Abundance



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

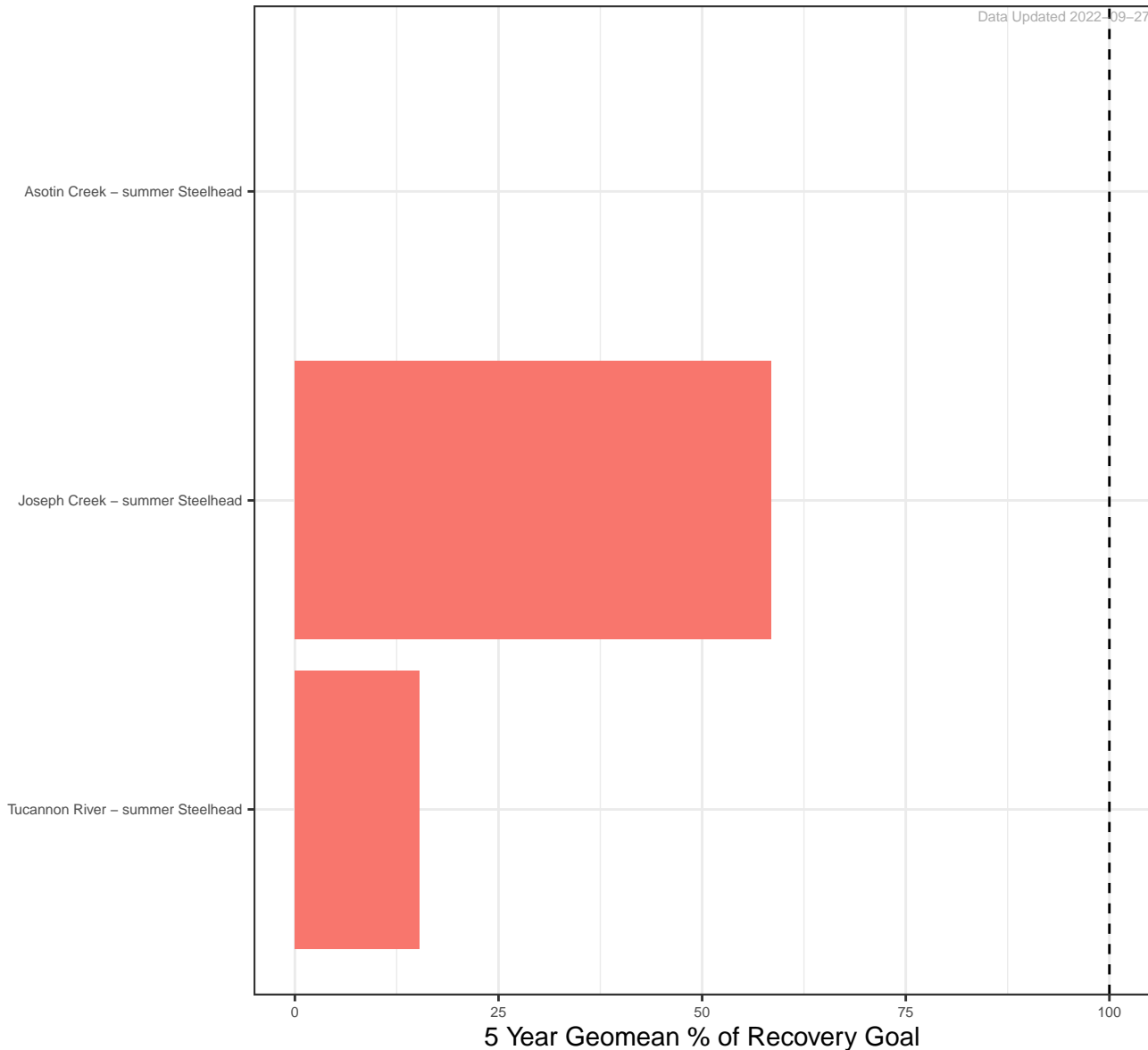
Natural Origin Spawner Abundance



SPAWNINGYEAR

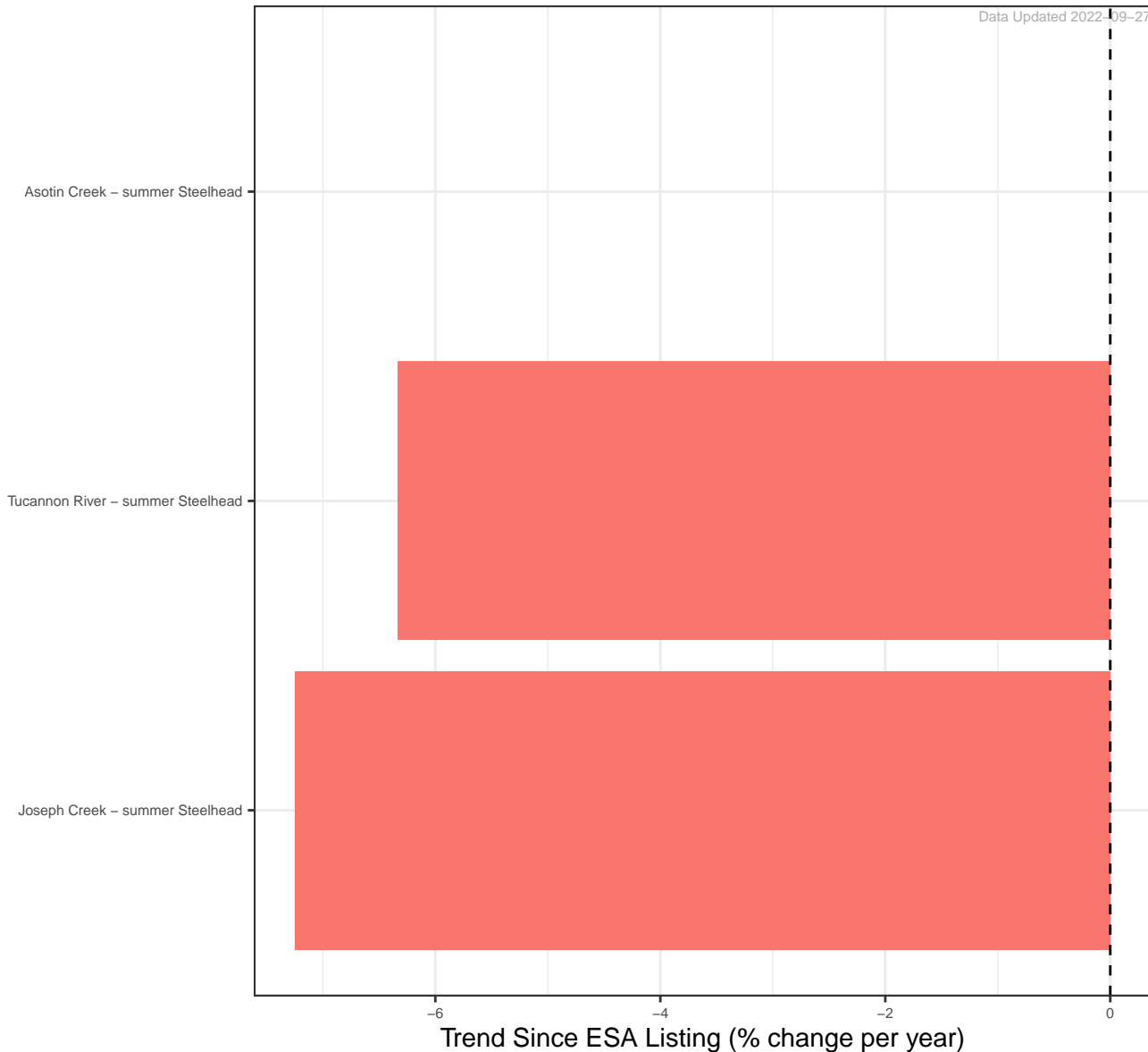
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Snake River Basin Steelhead DPS



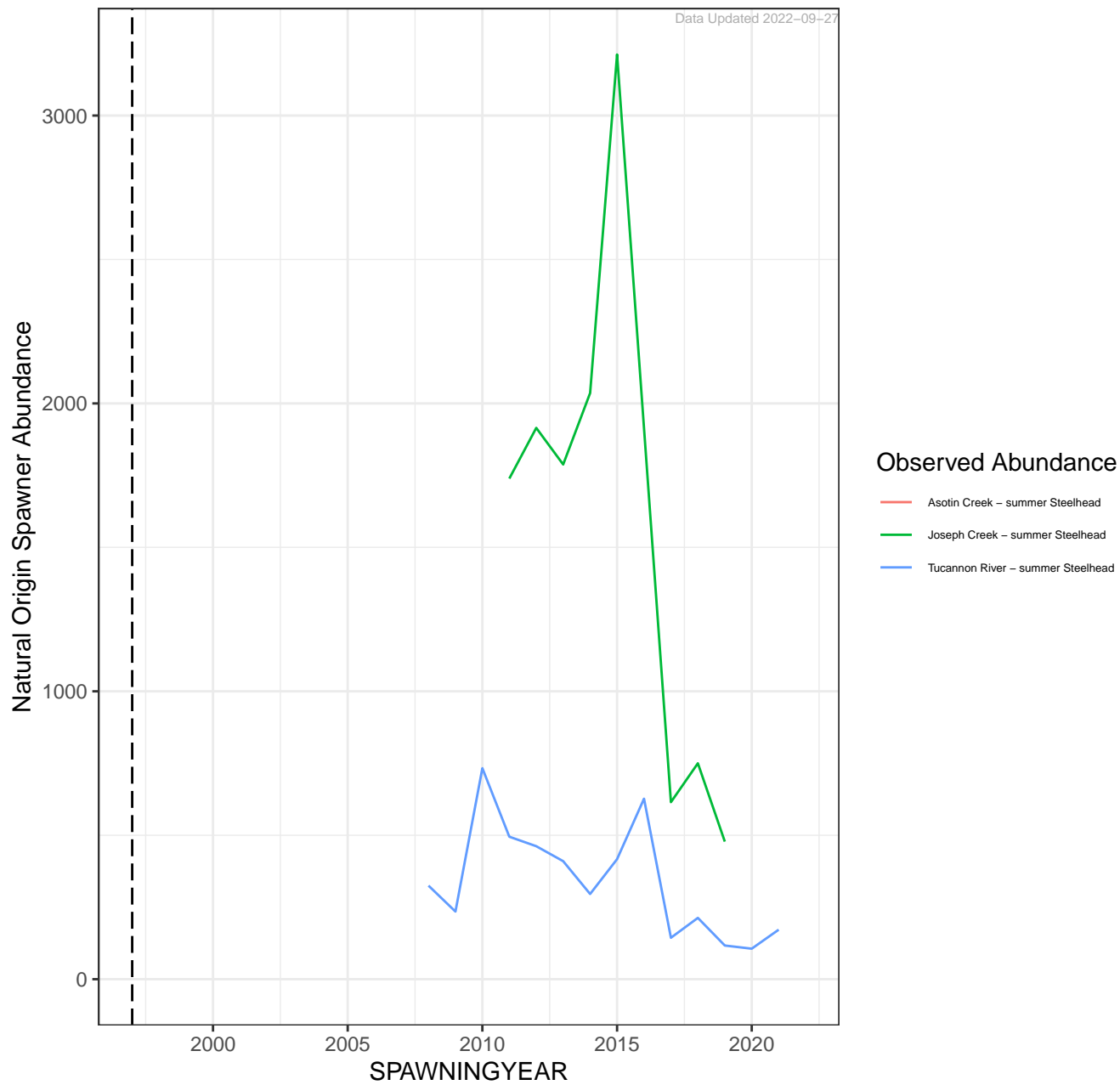
Caption: Five year (2017–2021) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Snake River Basin Steelhead DPS

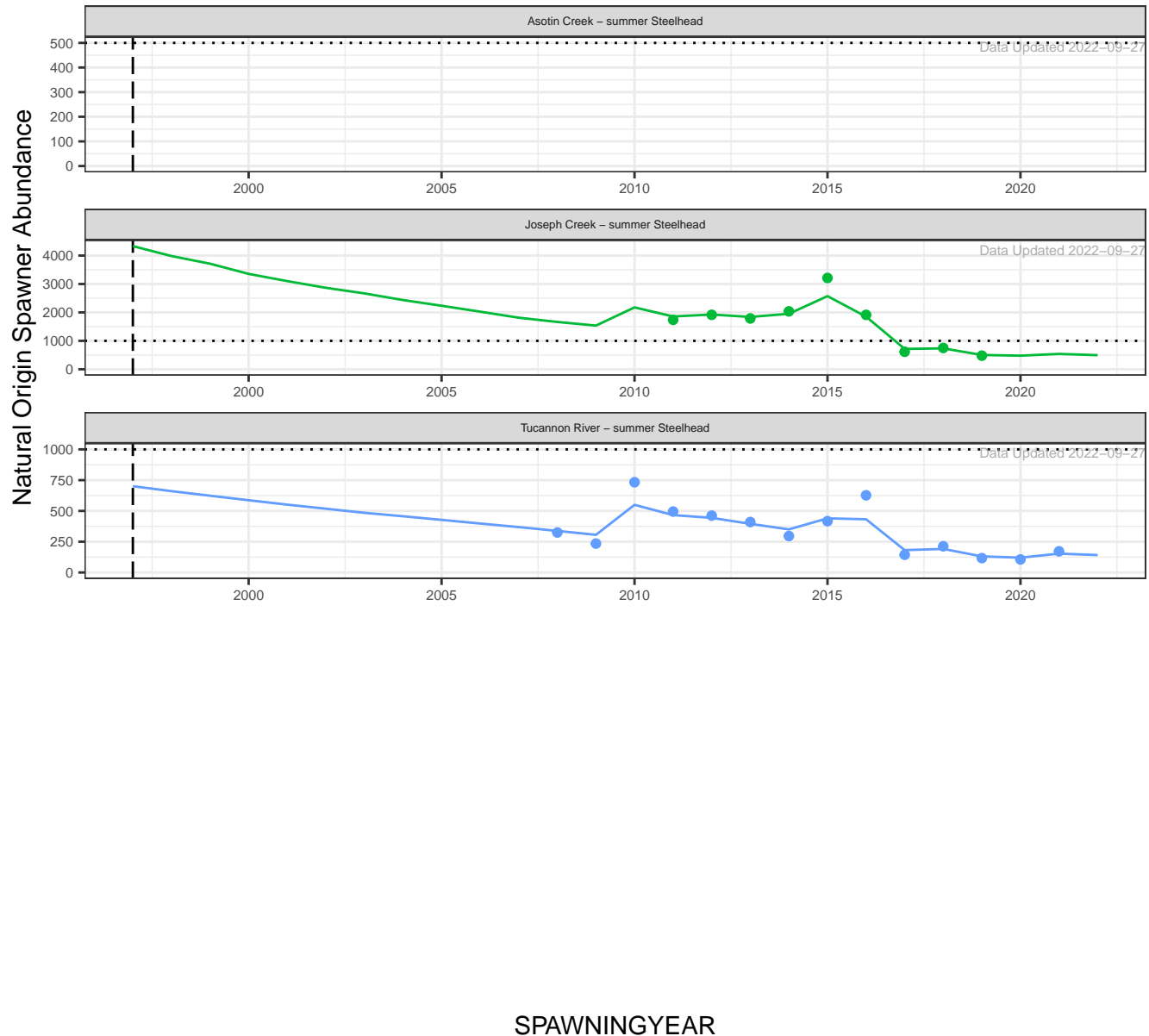


Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Snake River Basin Steelhead DPS

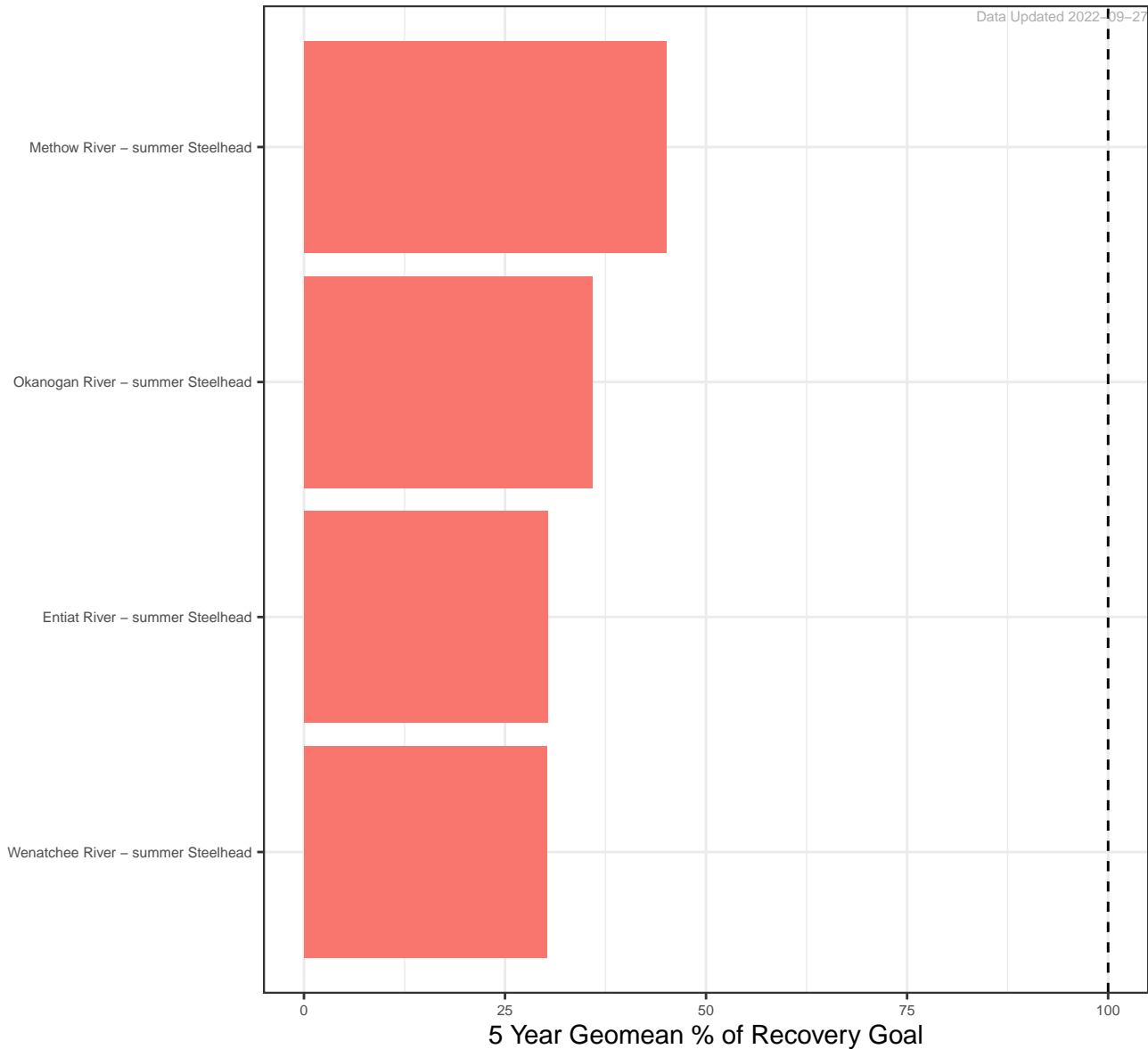


Snake River Basin Steelhead DPS



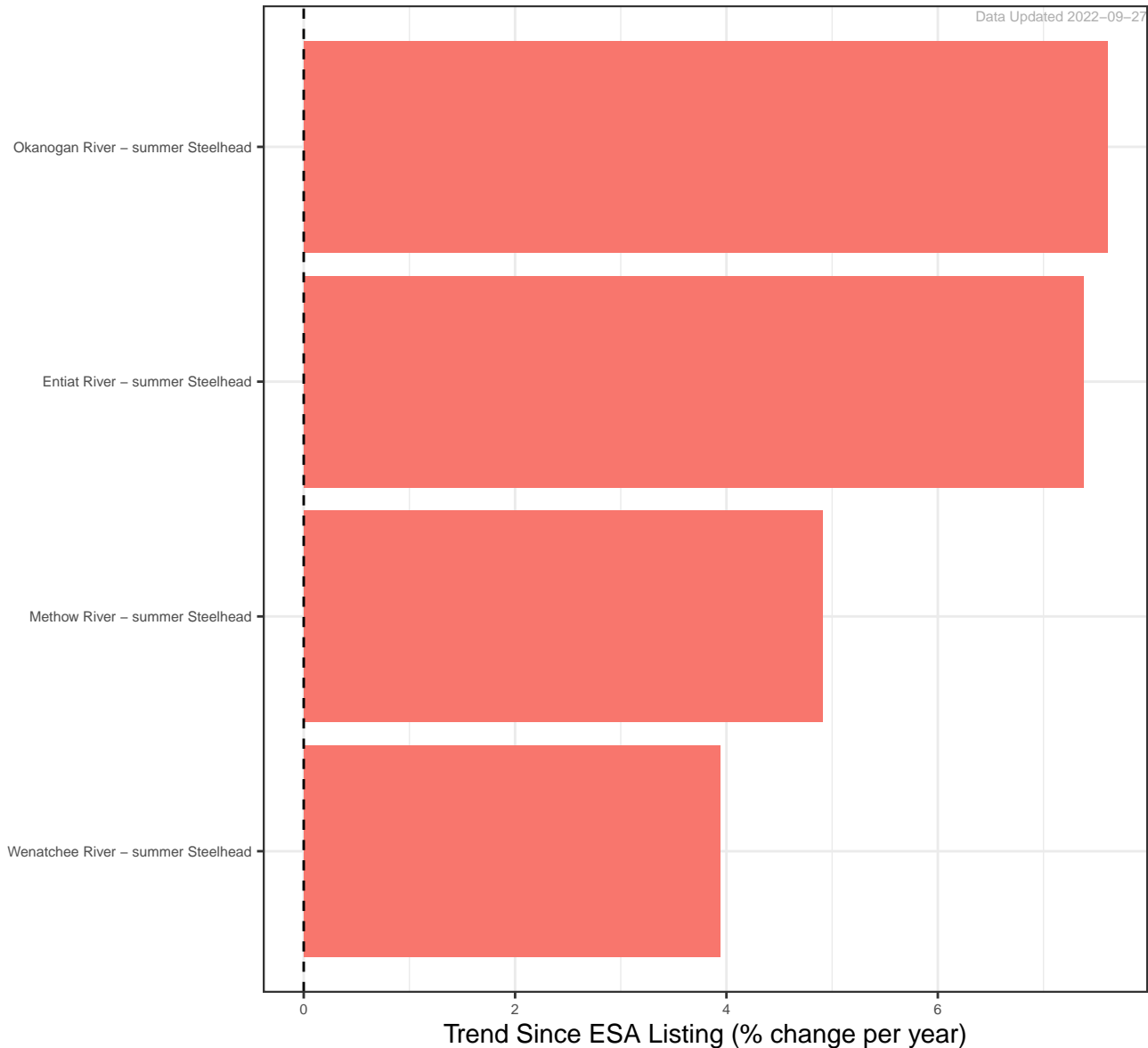
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

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.

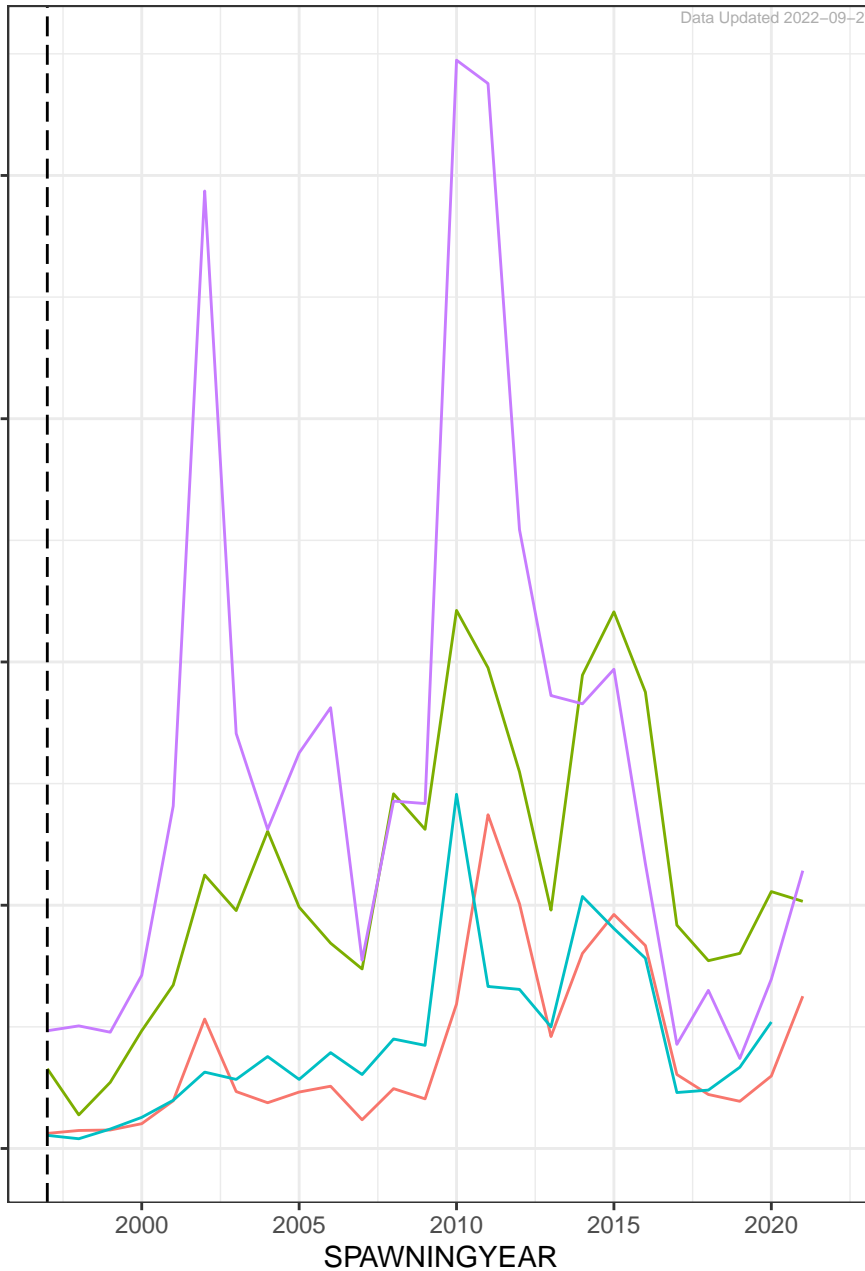
Upper Columbia River Steelhead DPS

Data Updated 2022-09-27

Natural Origin Spawner Abundance

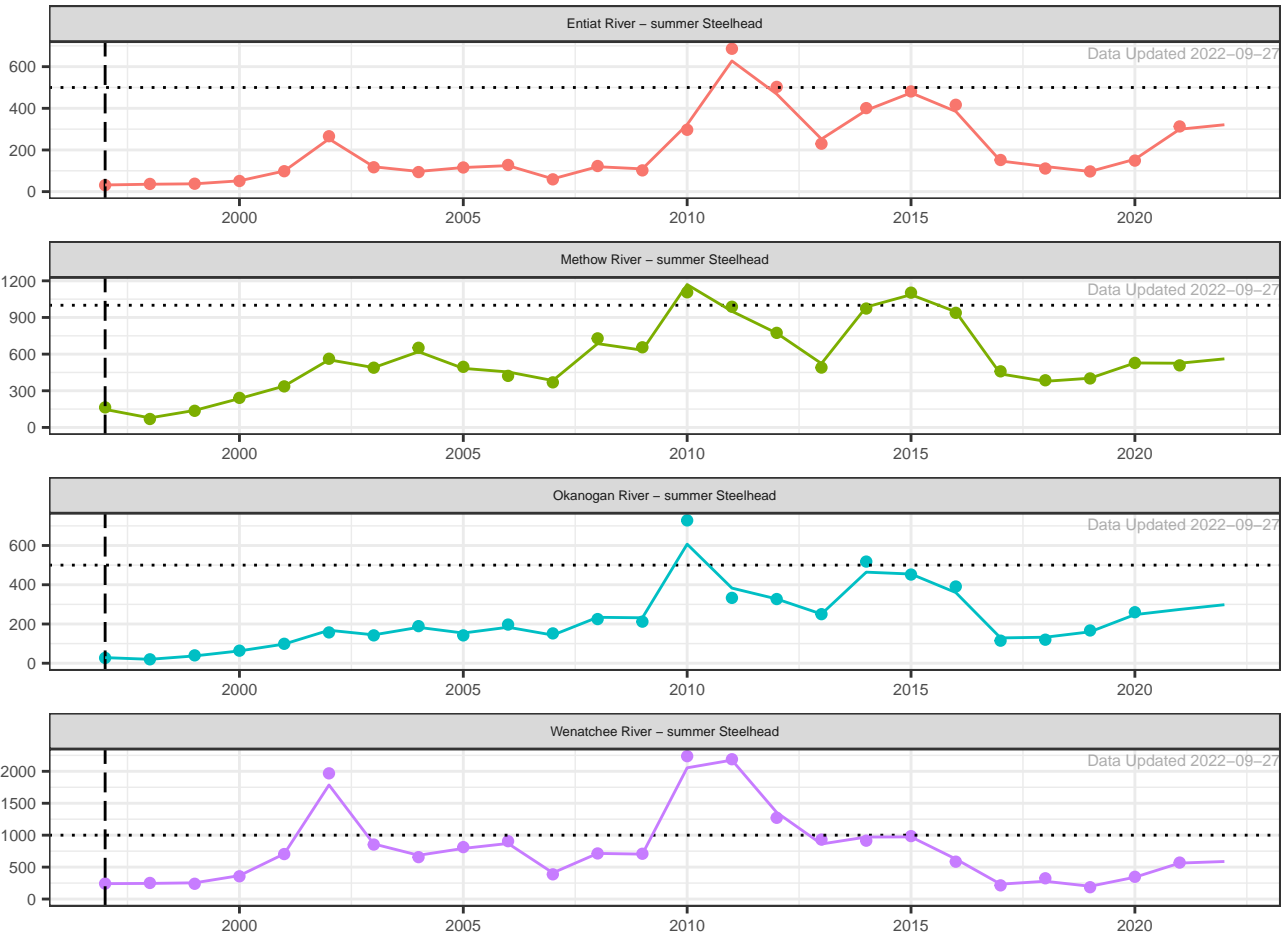
Observed Abundance

- 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.