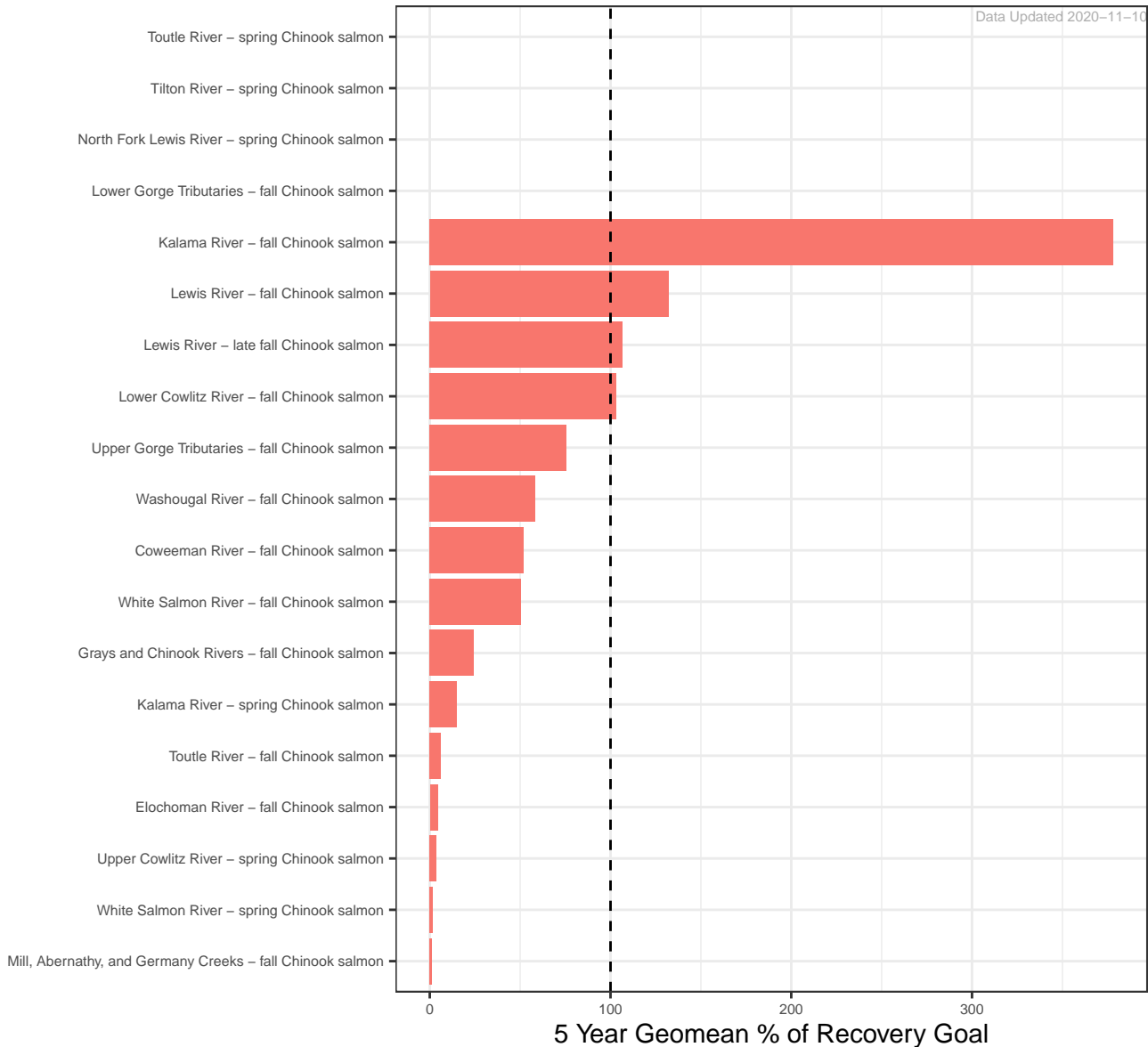
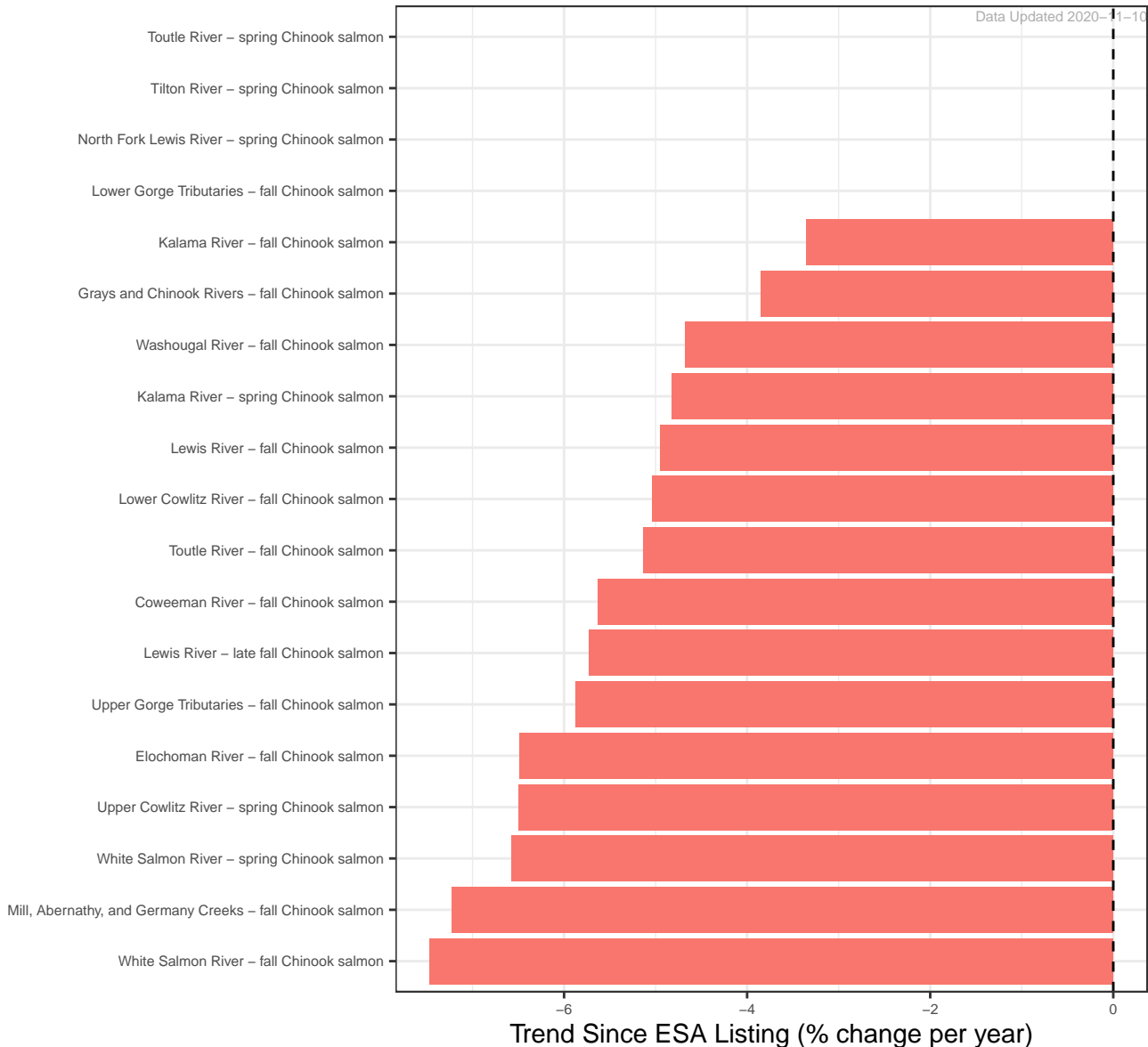


Lower Columbia River Chinook ESU



Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

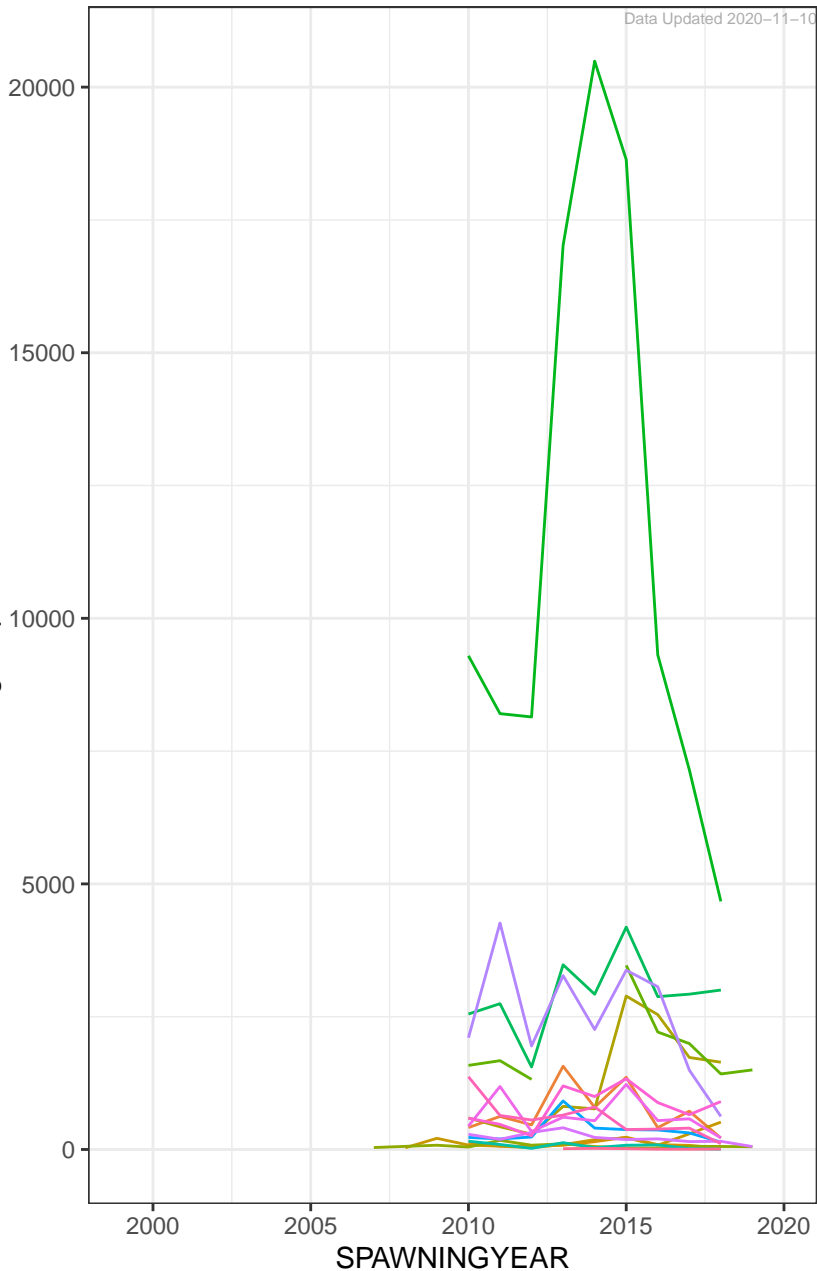
Lower Columbia River Chinook ESU



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

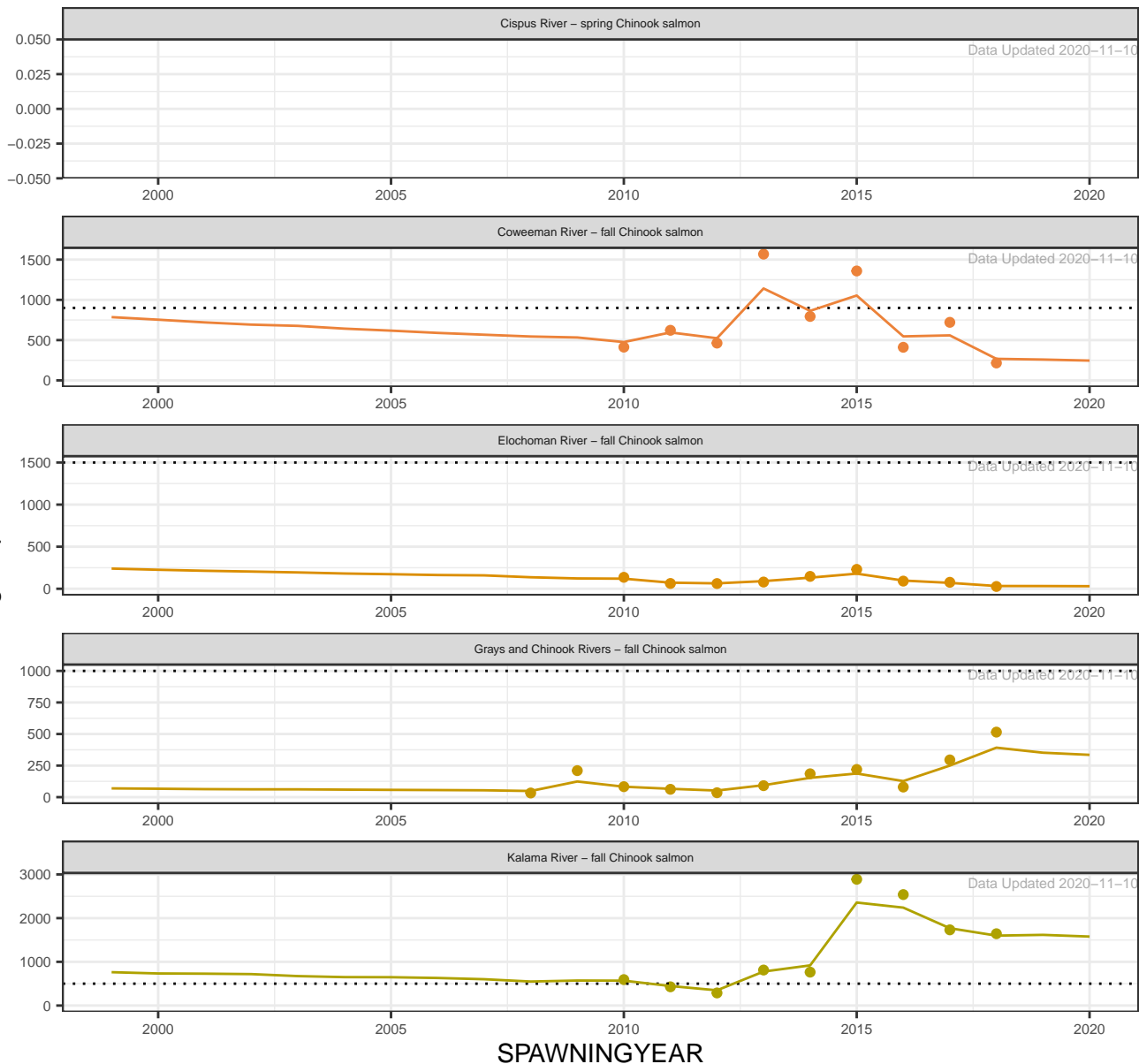


Observed Abundance

- 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

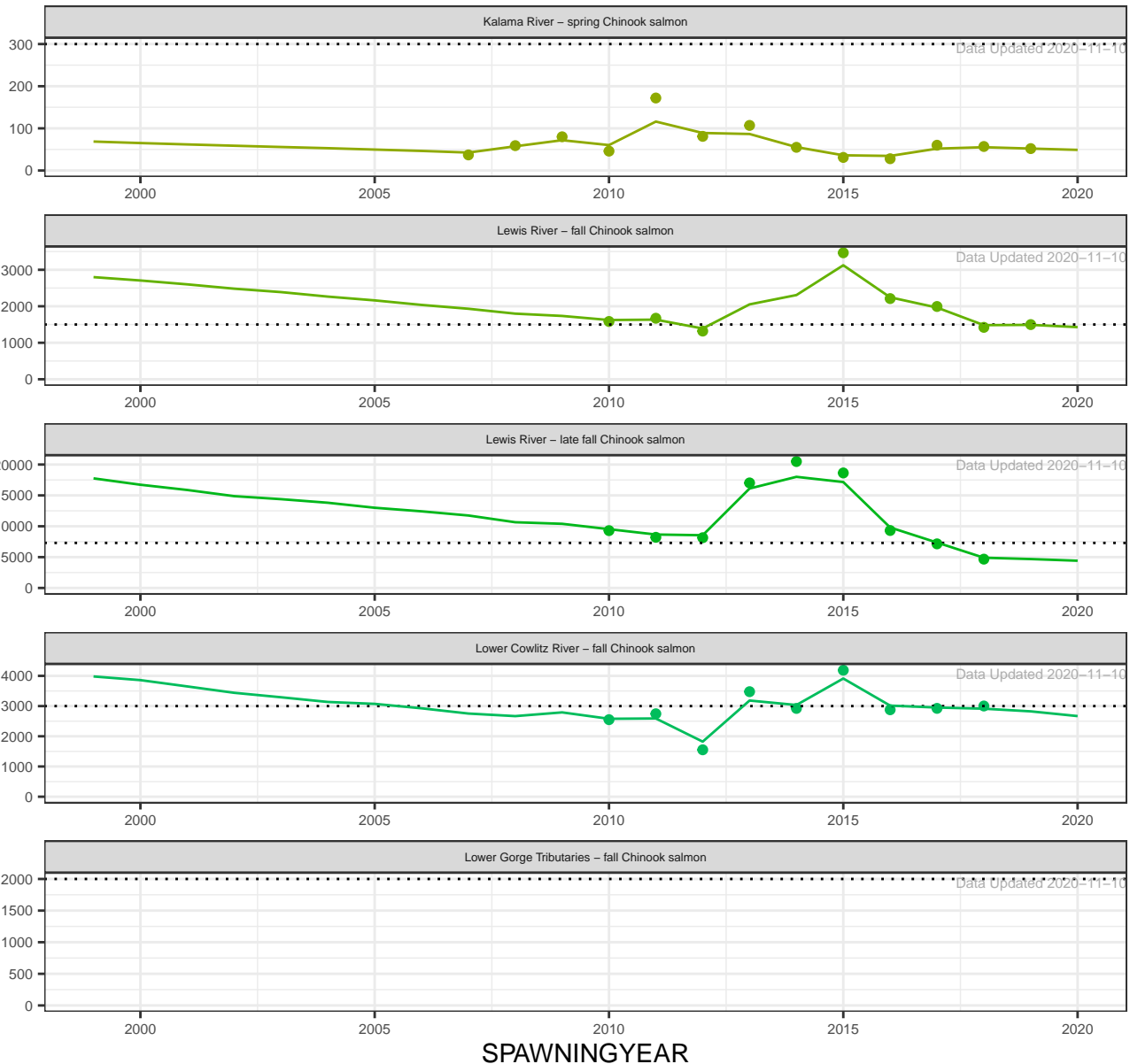
Natural Origin Spawner Abundance



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

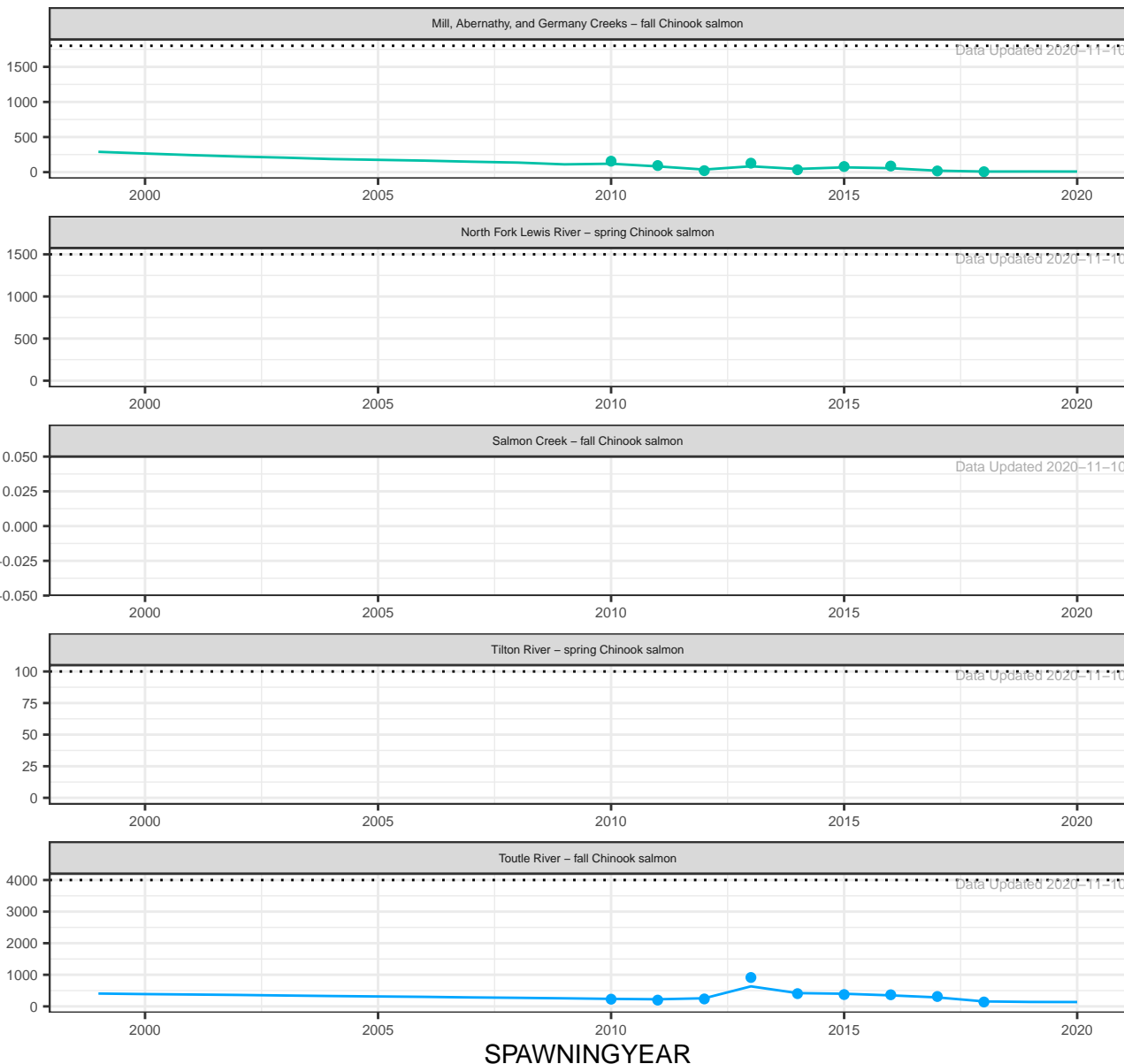
Natural Origin Spawner Abundance



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

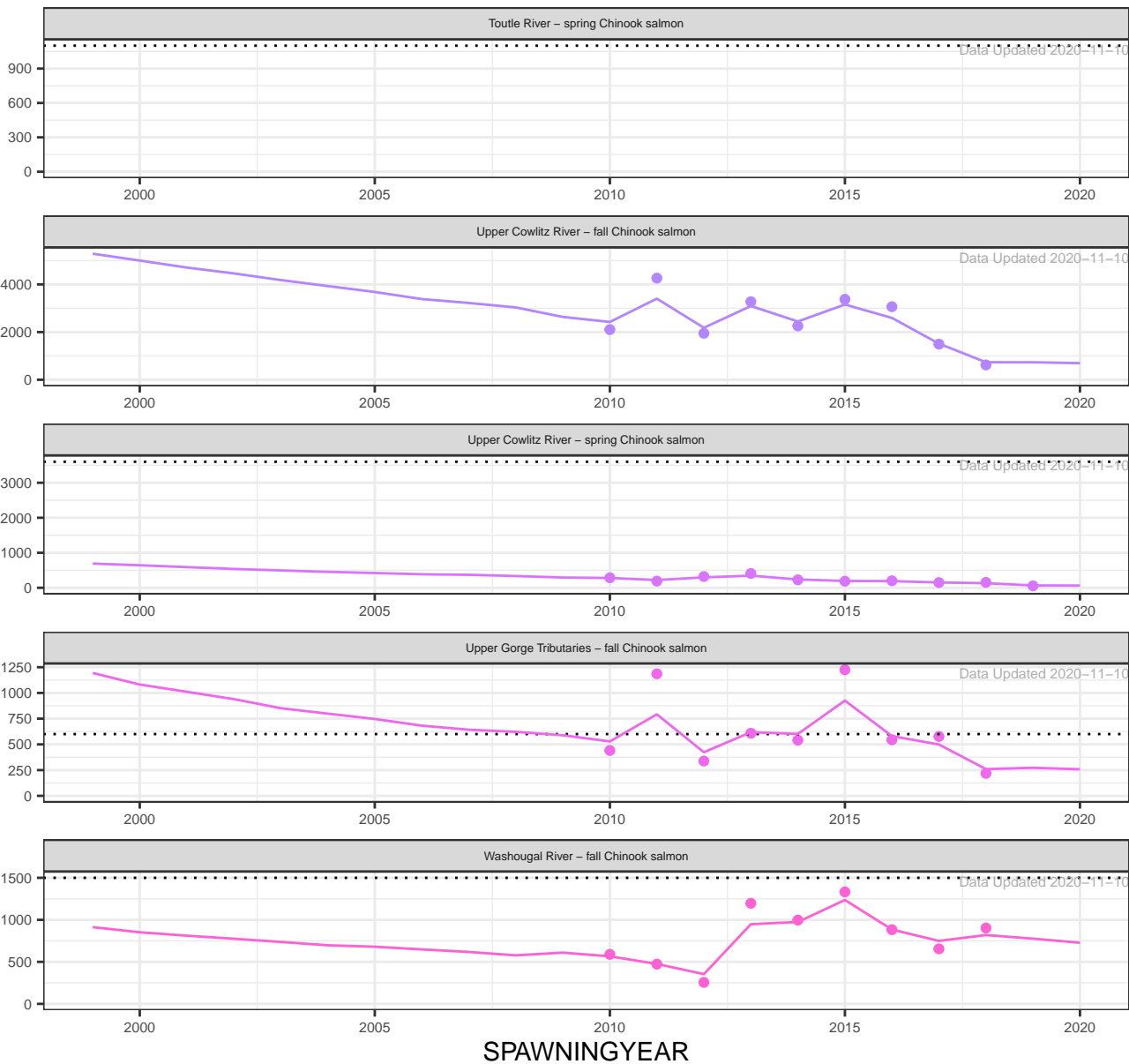
Natural Origin Spawner Abundance



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

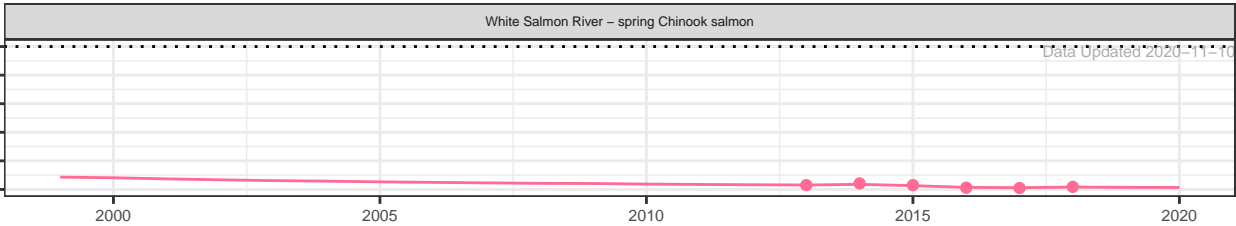
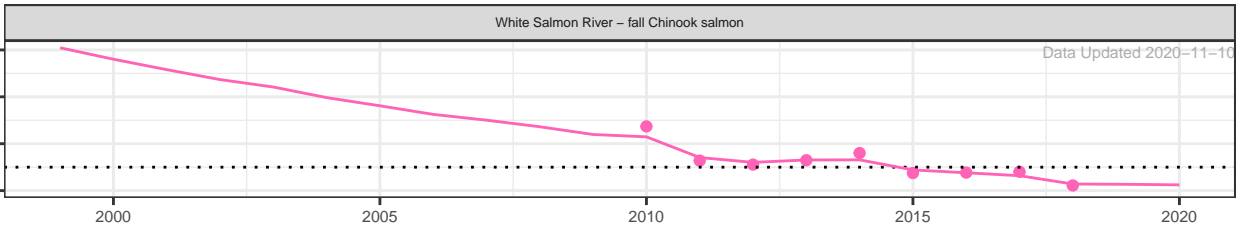
Natural Origin Spawner Abundance



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

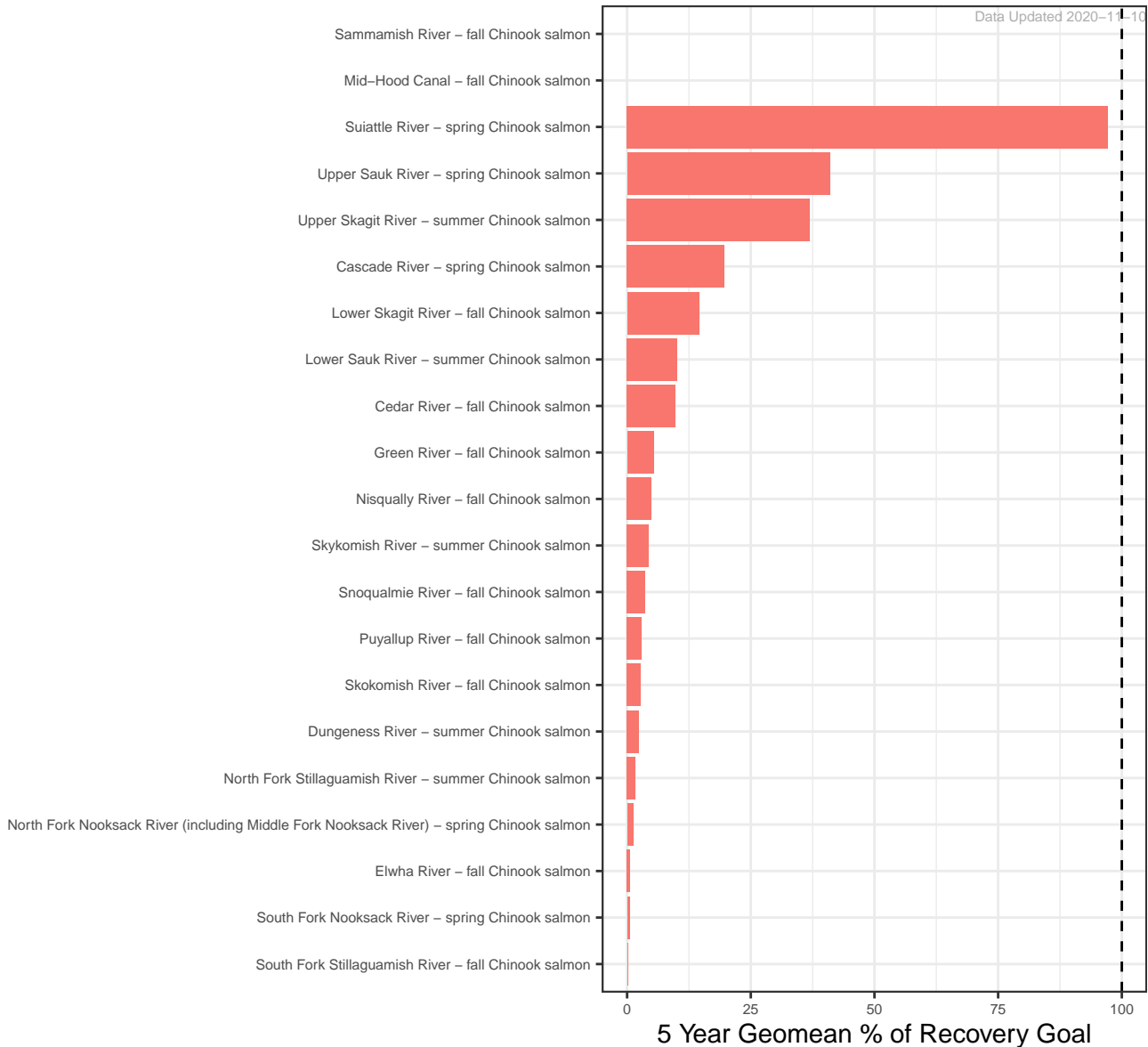
Natural Origin Spawner Abundance



SPAWNINGYEAR

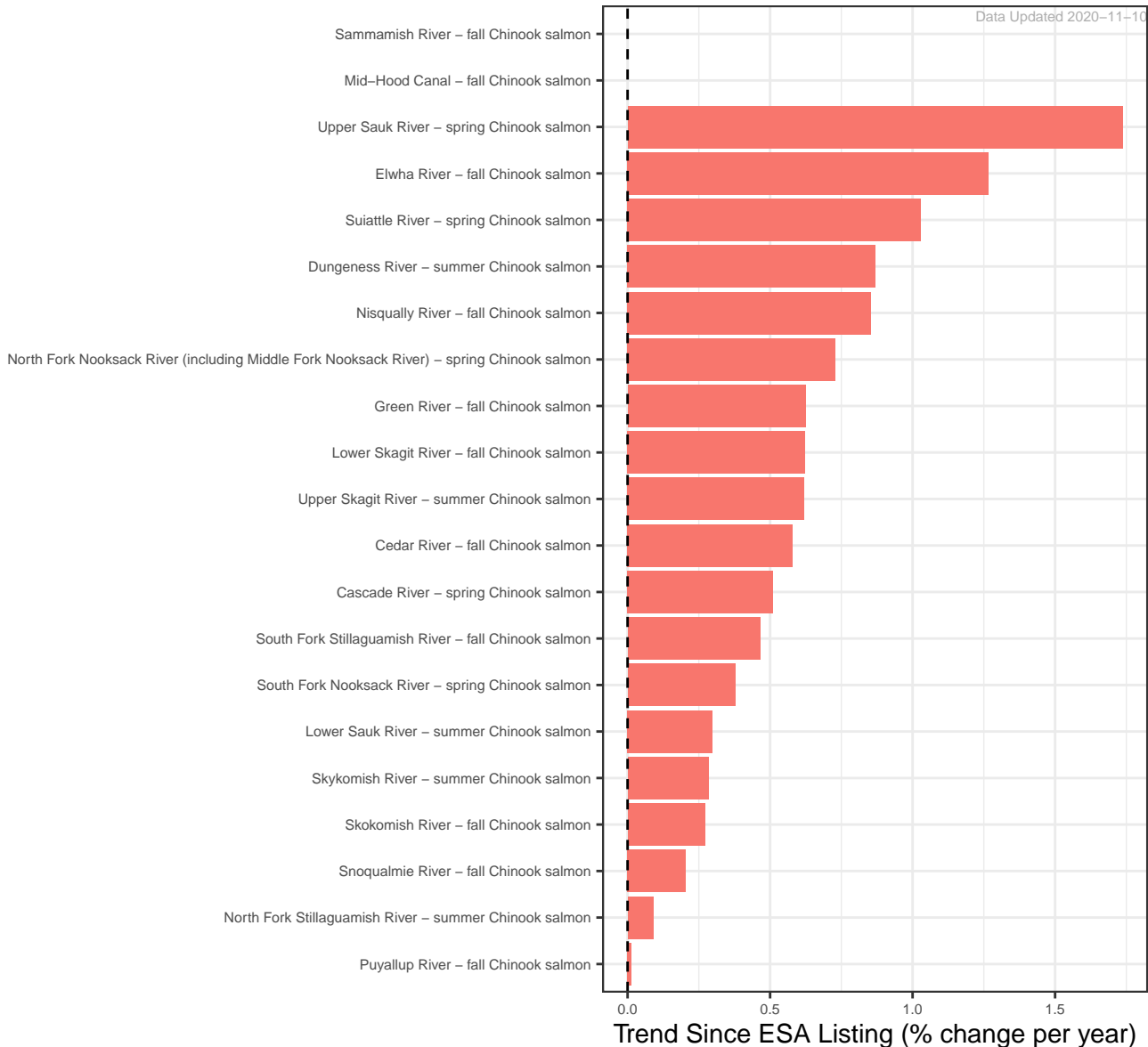
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Puget Sound Chinook ESU



Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals. Populations with no bars had no usable data.

Puget Sound Chinook ESU

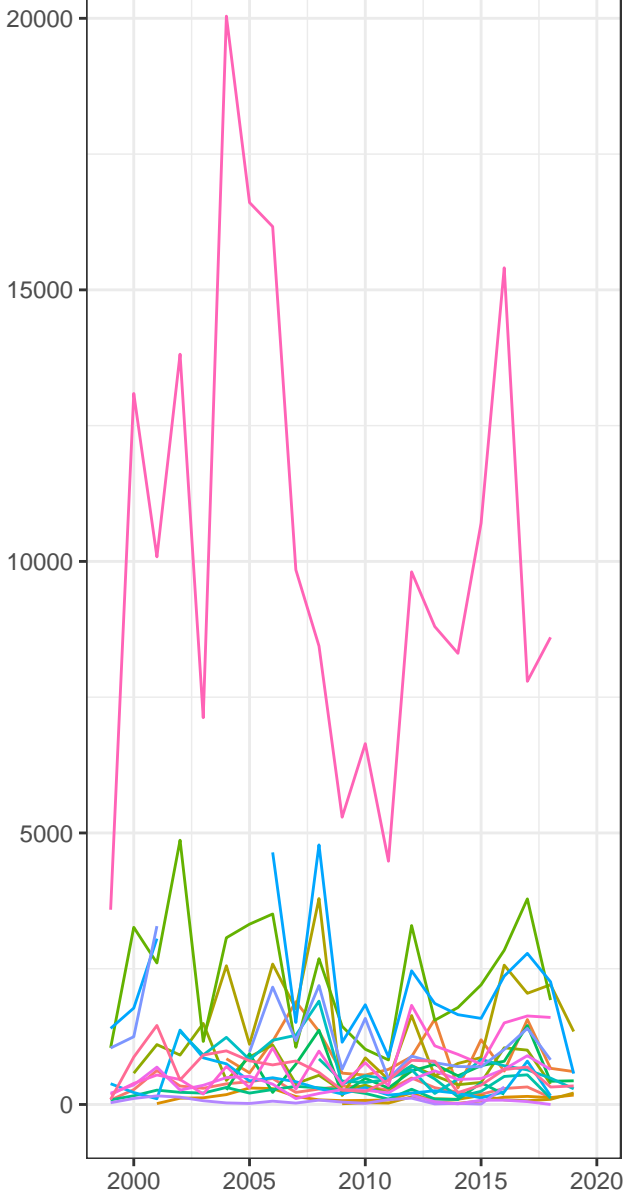


Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Puget Sound Chinook ESU

Natural Origin Spawner Abundance

Data Updated 2020-11-10

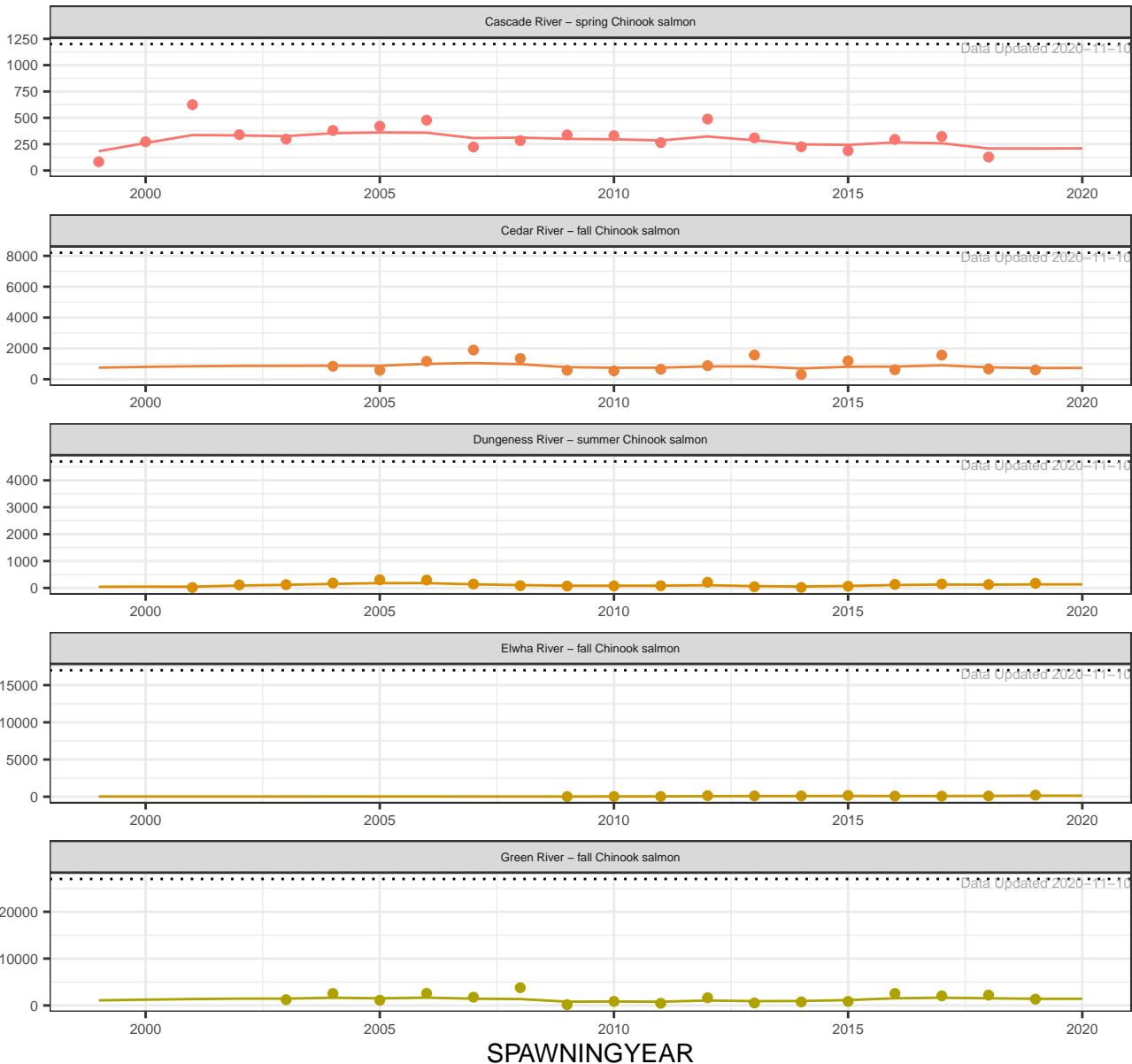


Observed Abundance

- 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

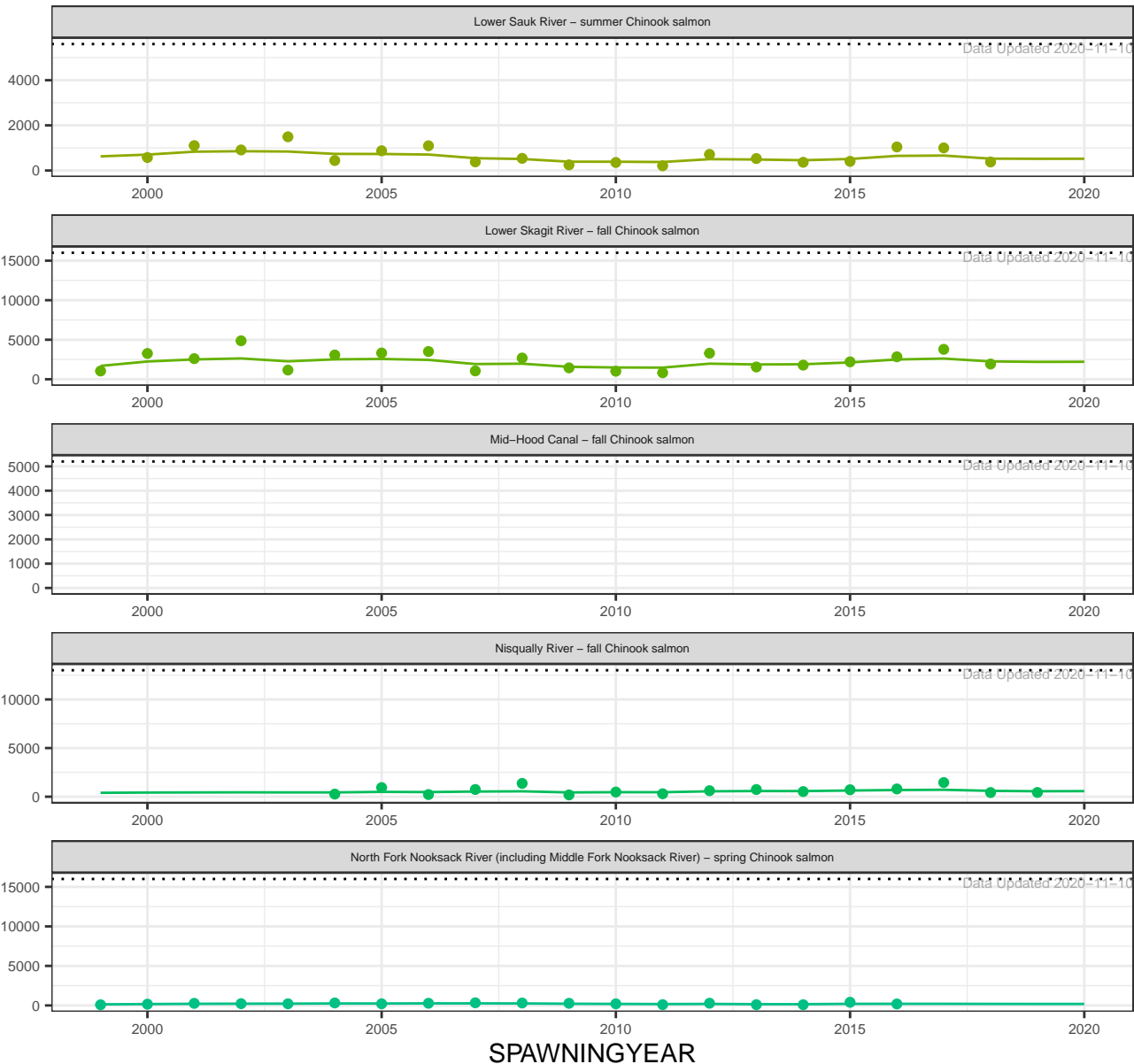
Natural Origin Spawner Abundance



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

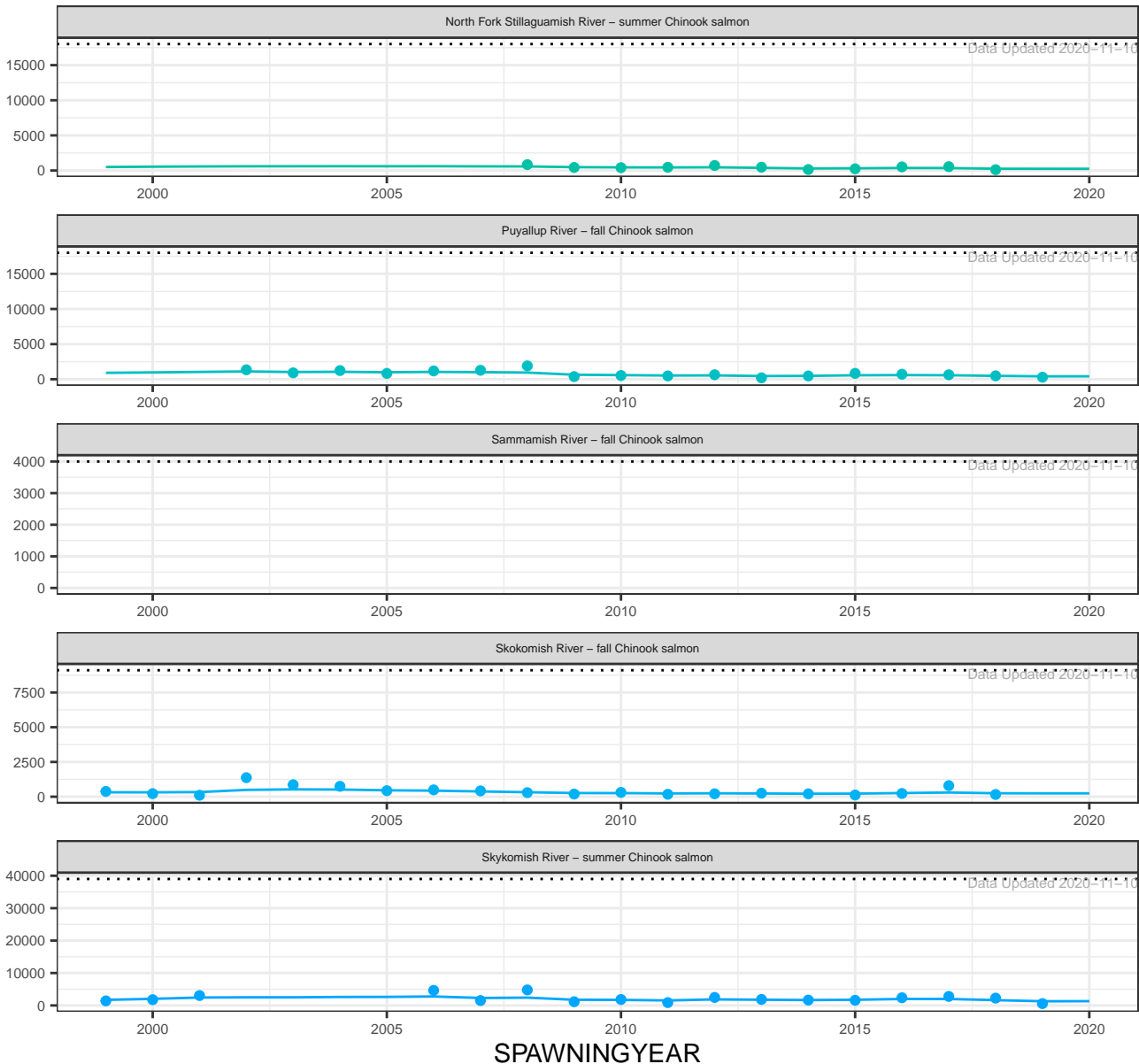
Natural Origin Spawner Abundance



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

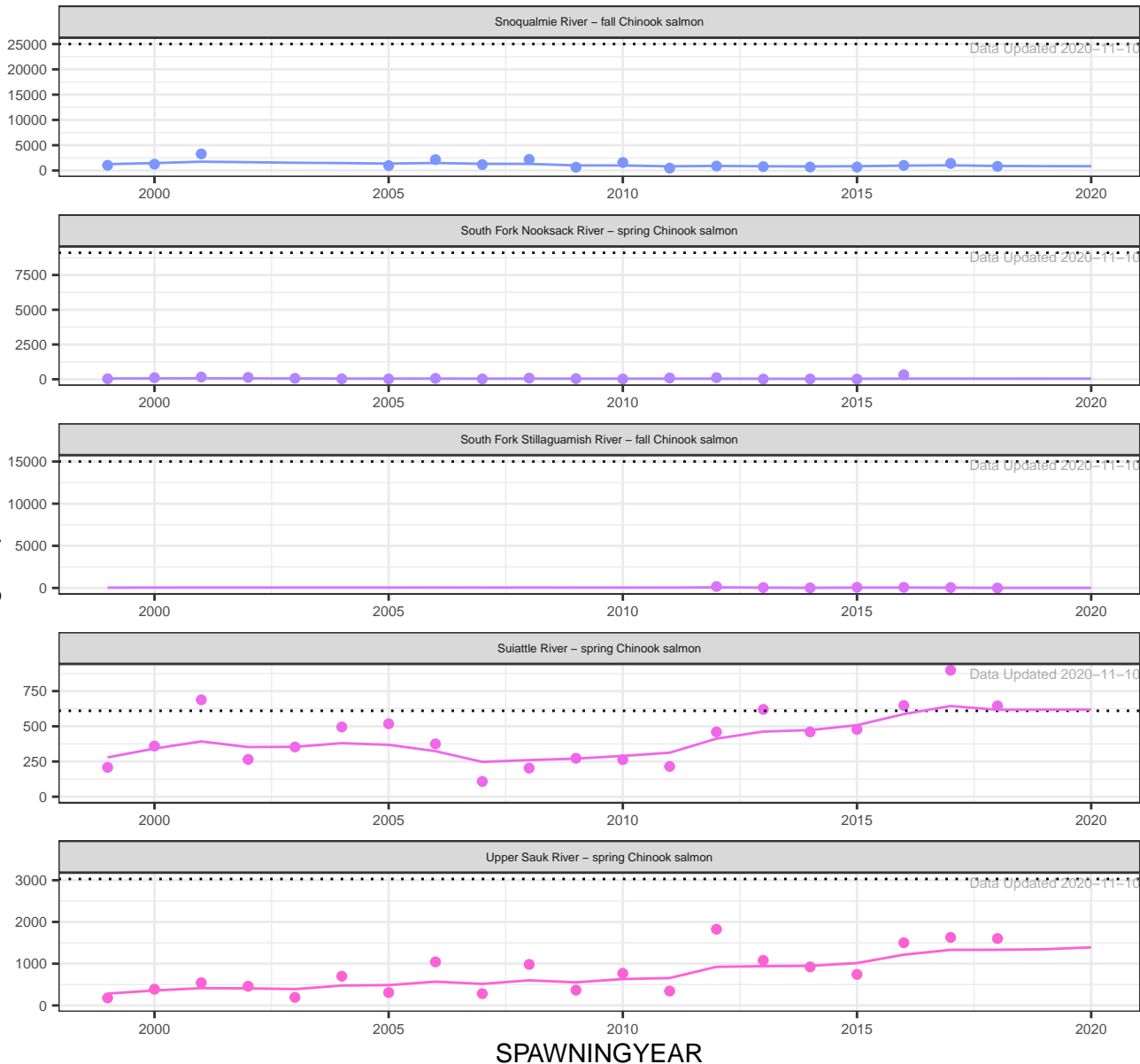
Natural Origin Spawner Abundance



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

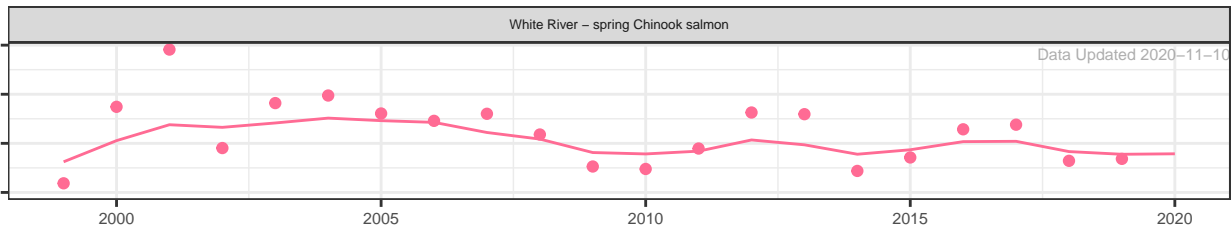
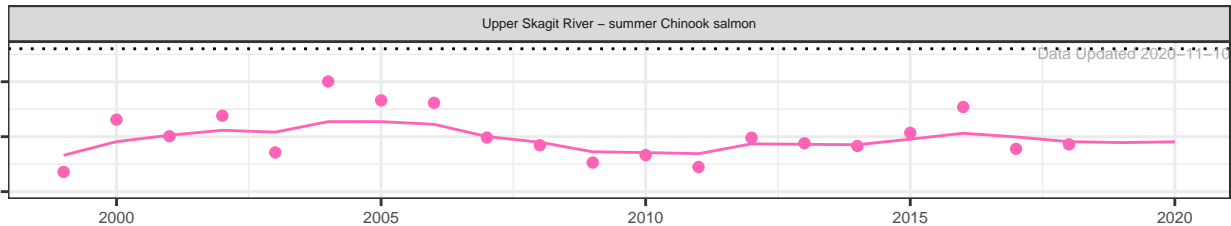
Natural Origin Spawner Abundance



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

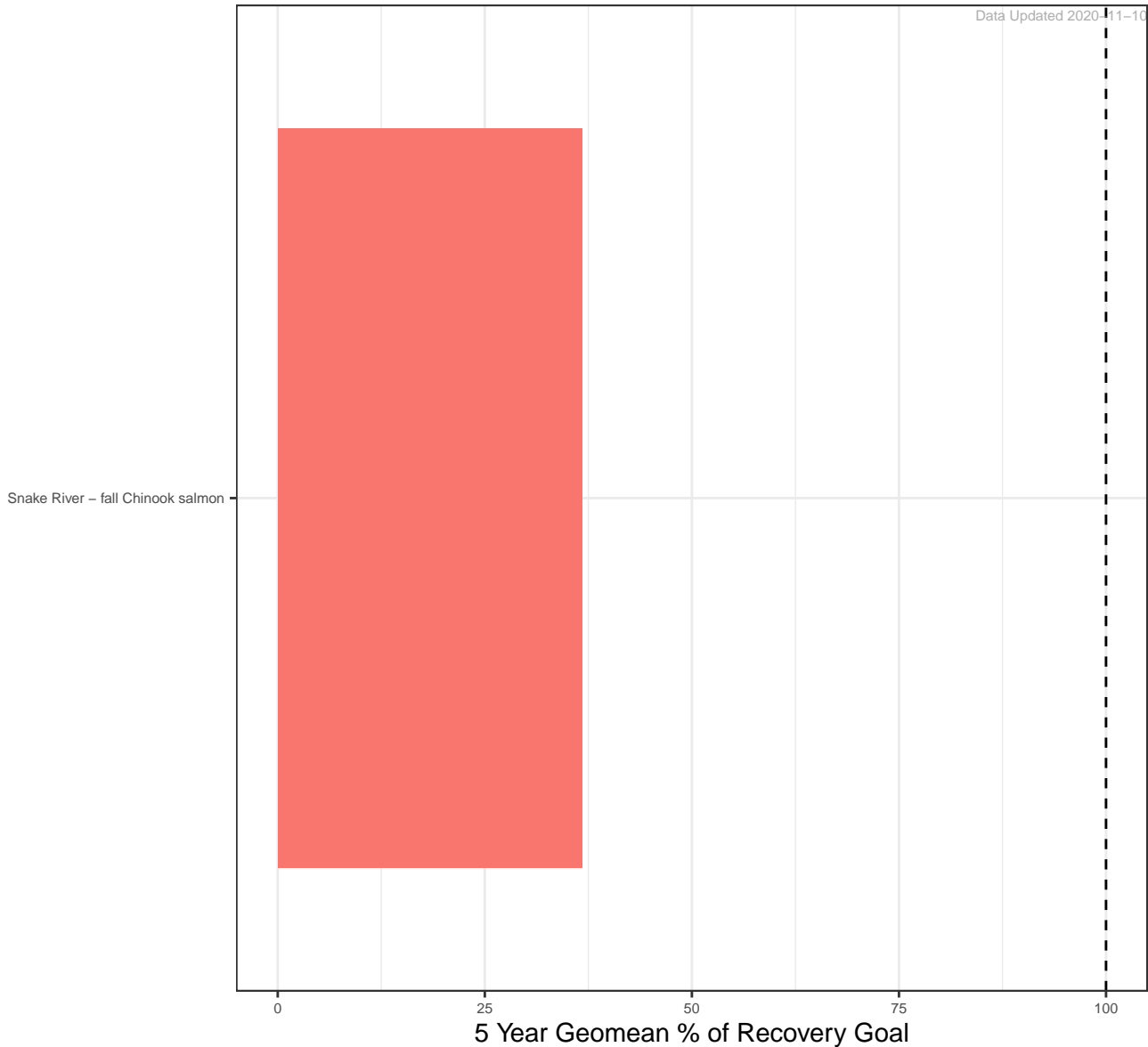
Natural Origin Spawner Abundance



SPAWNINGYEAR

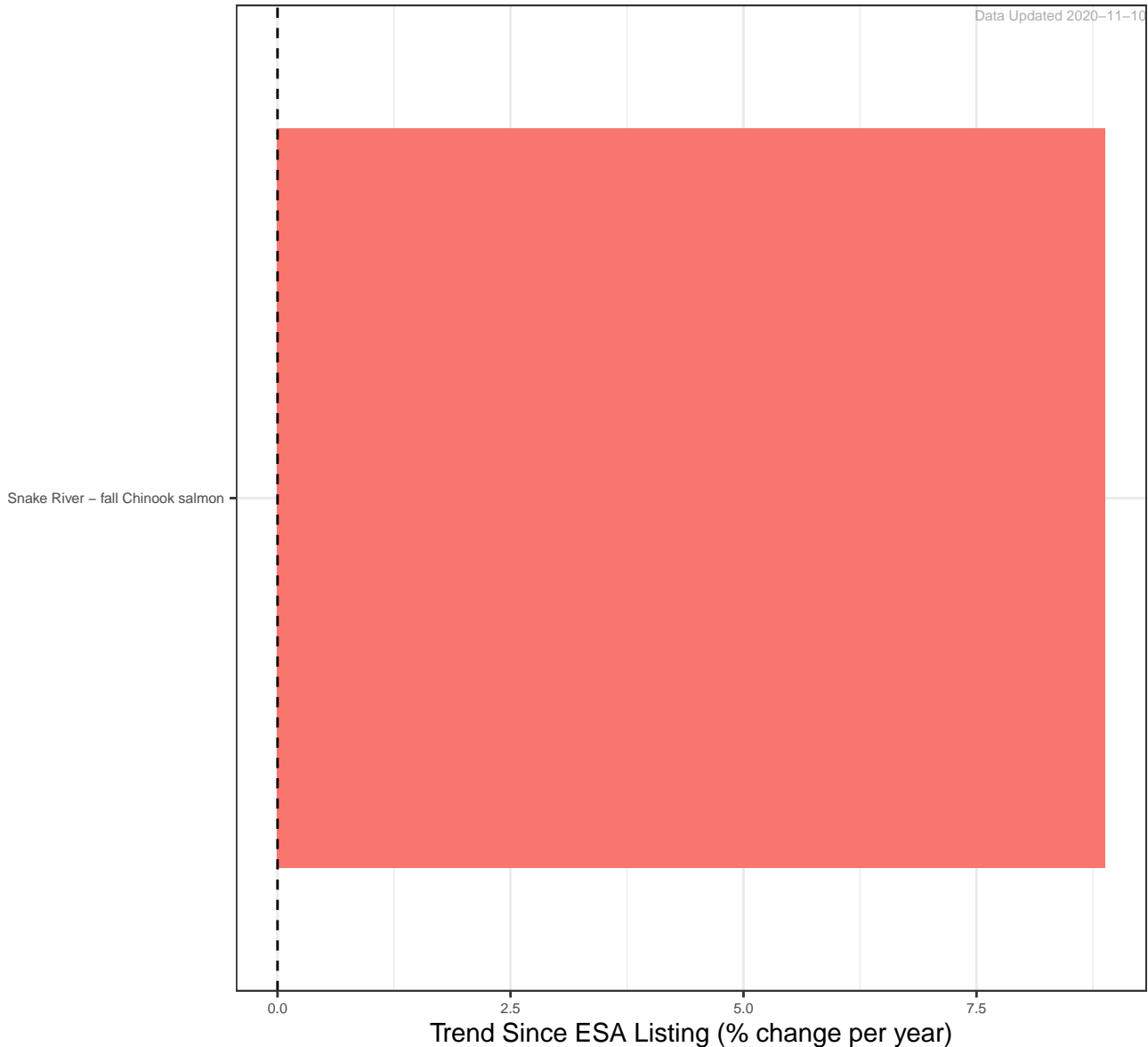
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Snake River Fall Chinook ESU



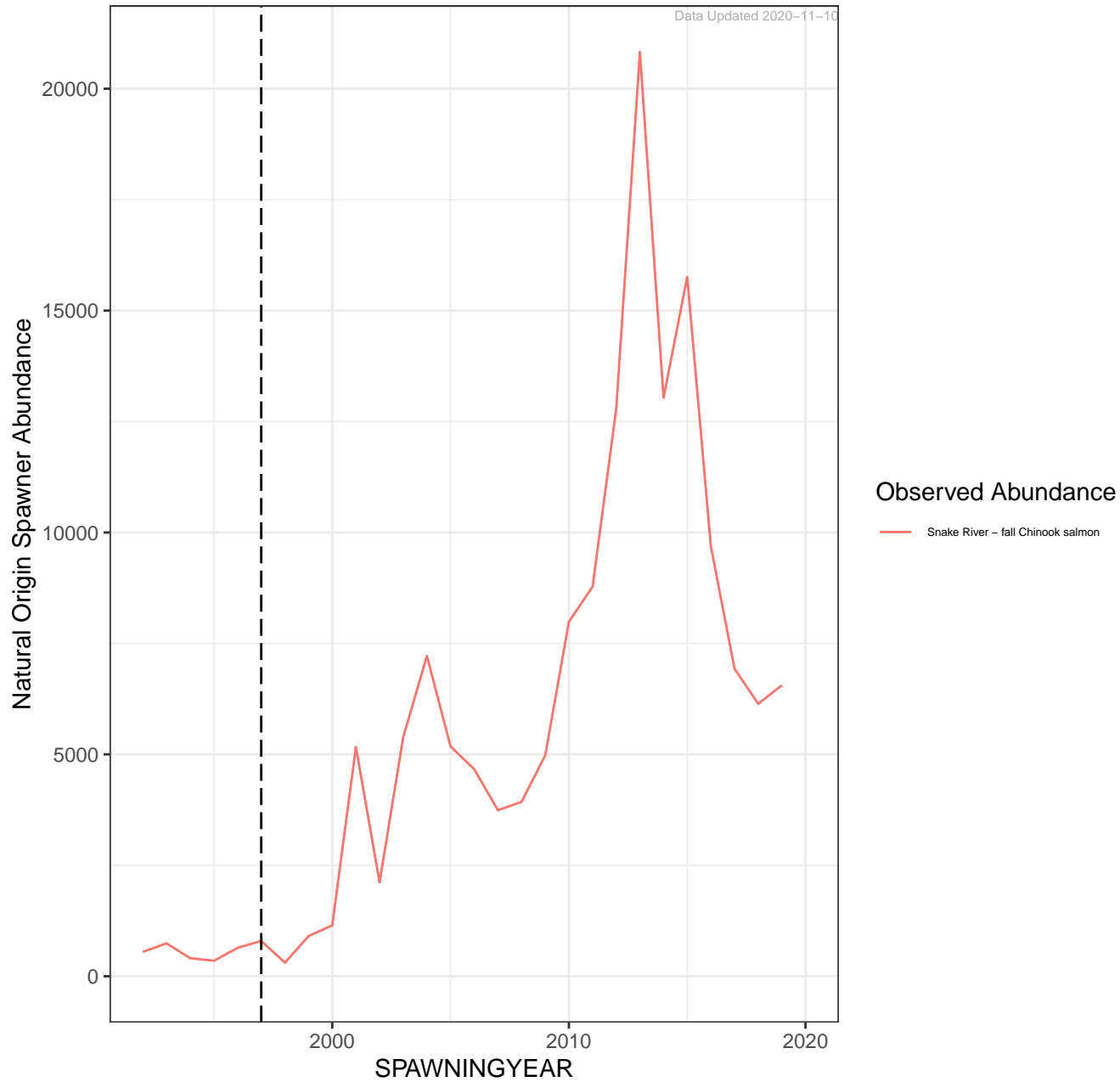
Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Snake River Fall Chinook ESU

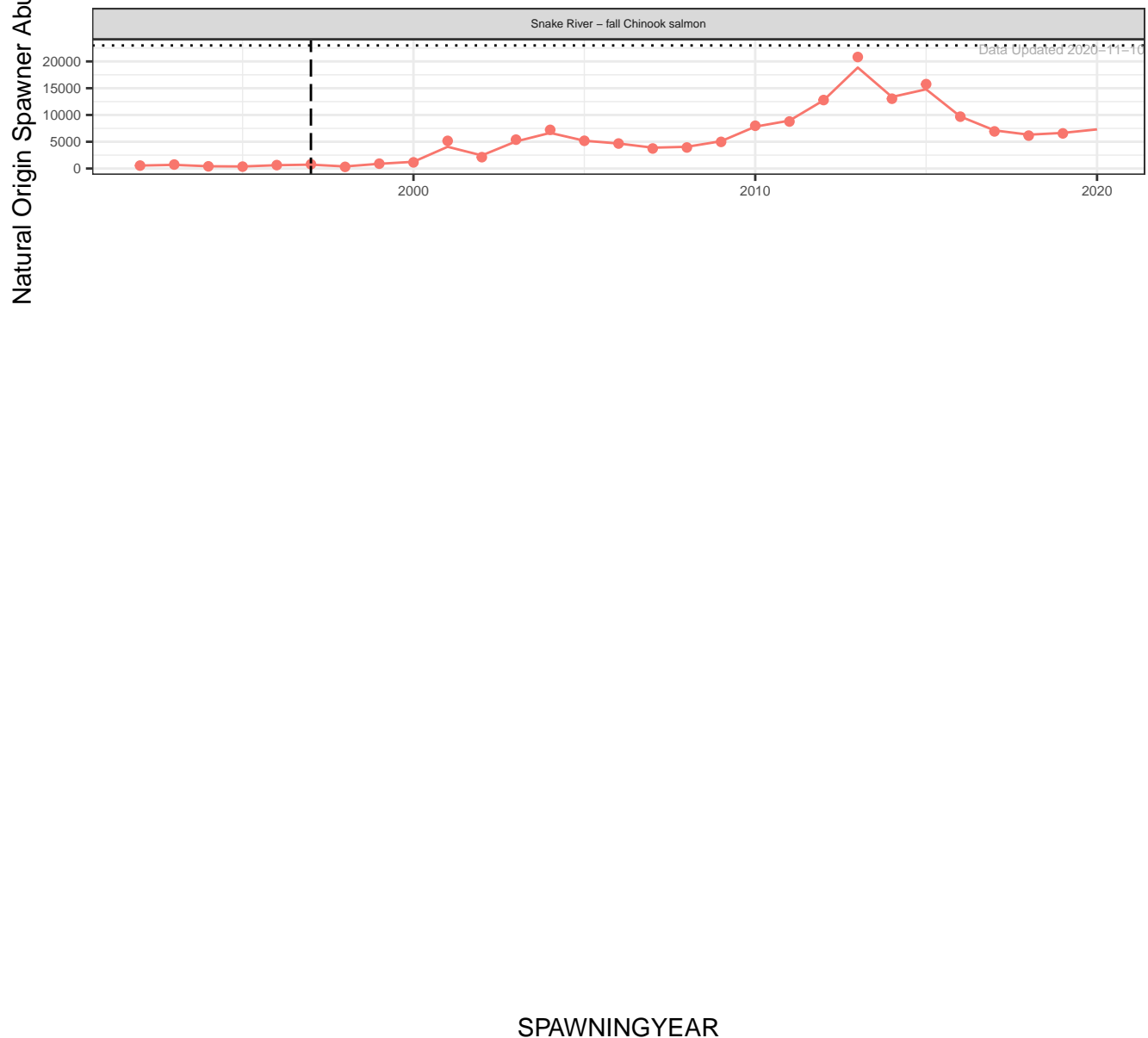


Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Snake River Fall Chinook ESU

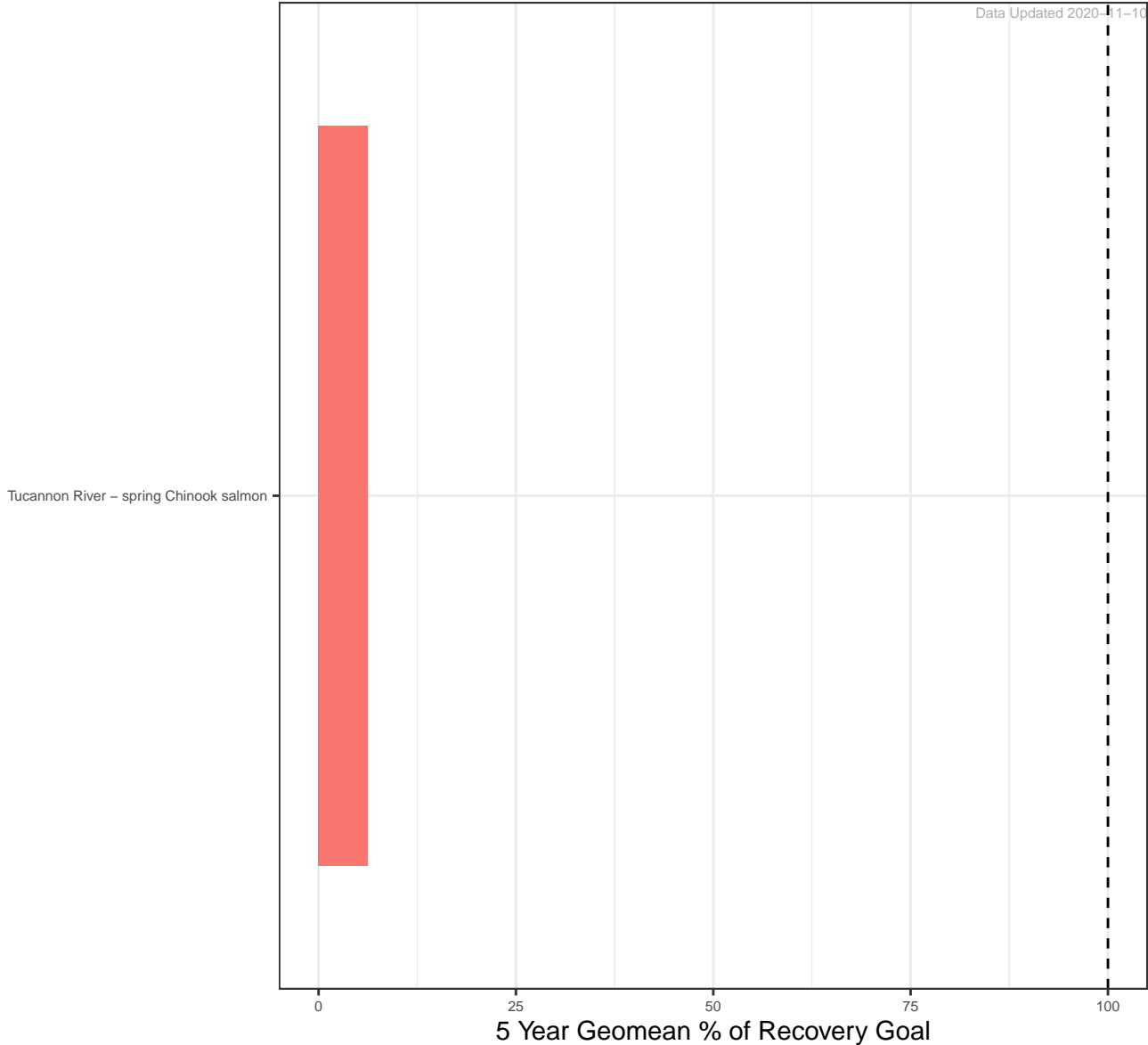


Snake River Fall Chinook ESU



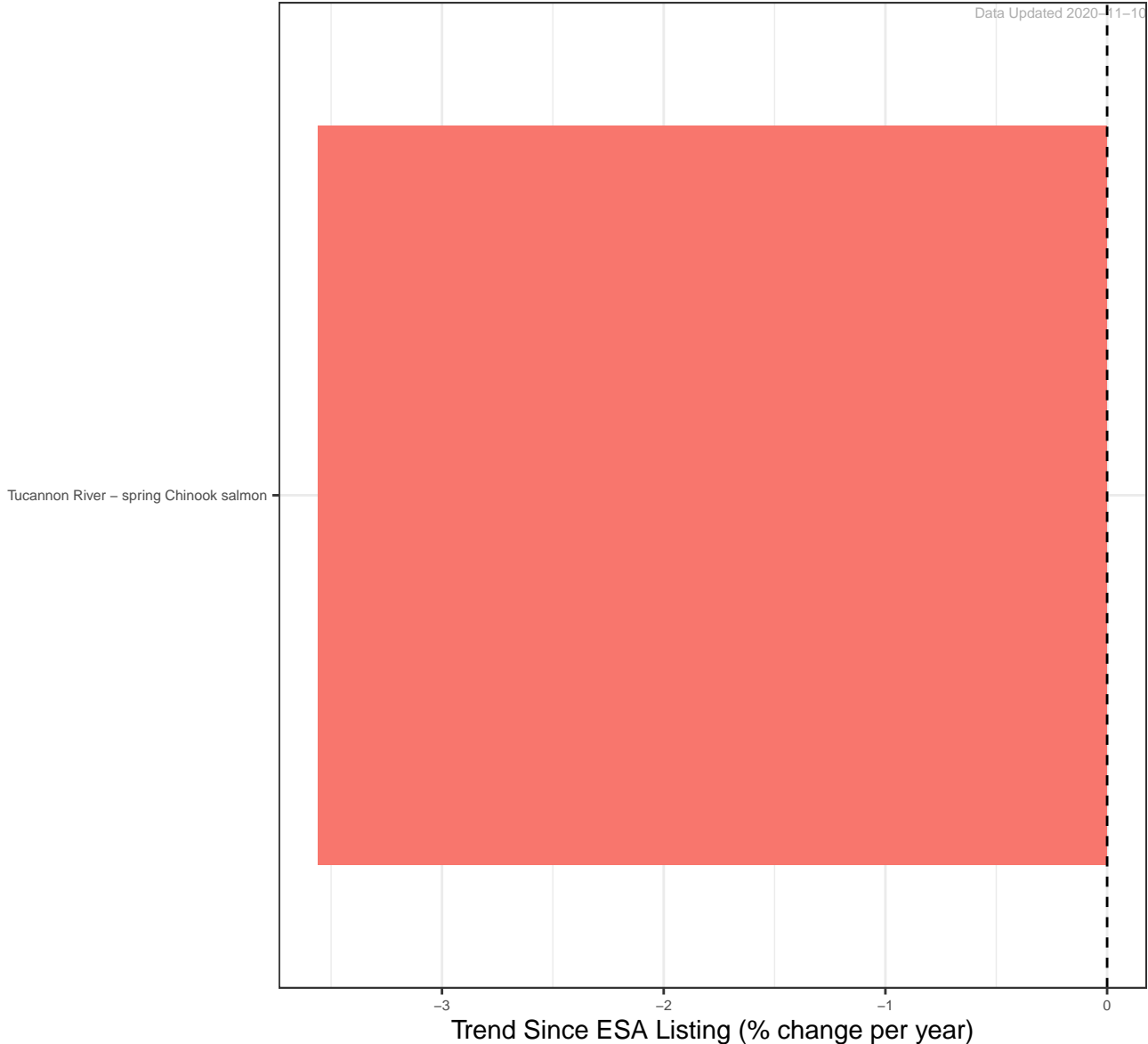
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Snake River Spring/Summer Chinook ESU



Caption: Five year (2015–2019) 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

Data Updated 2020-11-10

Natural Origin Spawner Abundance

Observed Abundance

Tucannon River – spring Chinook salmon

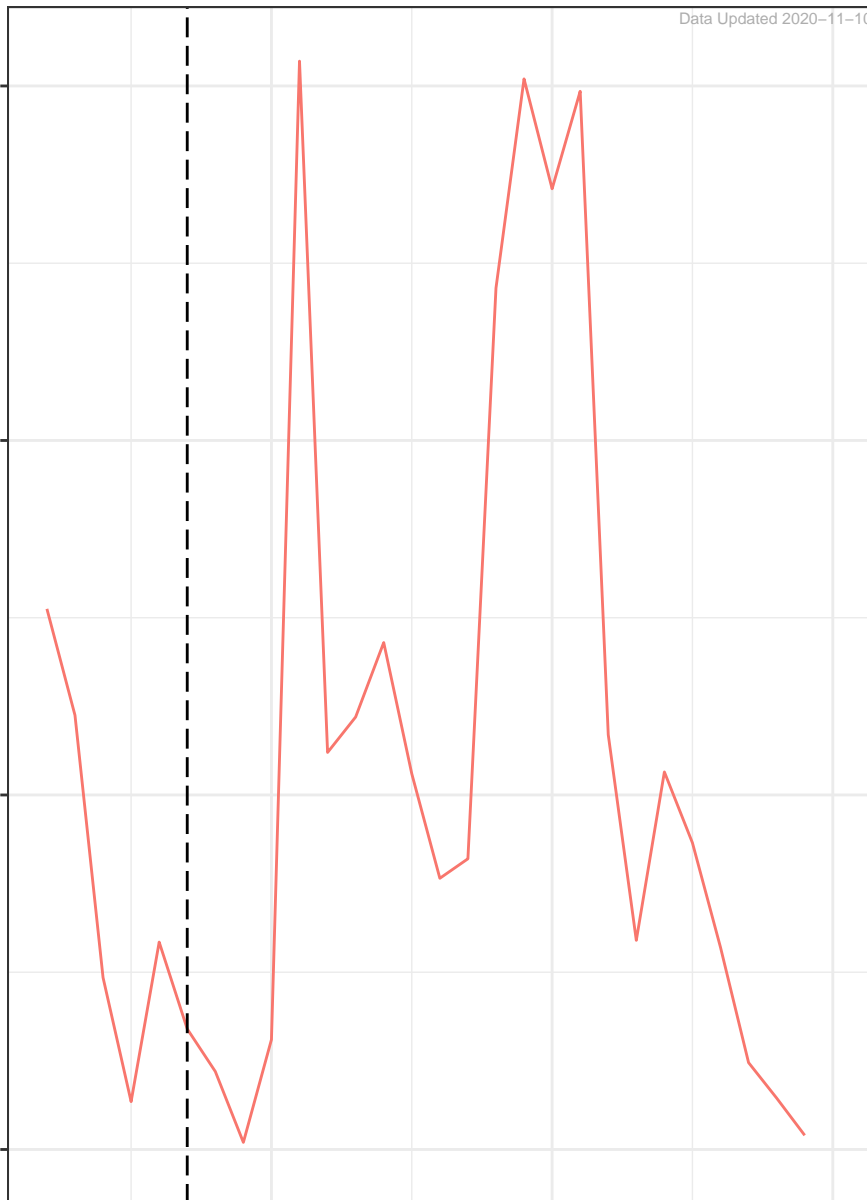
SPAWNINGYEAR

600
400
200
0

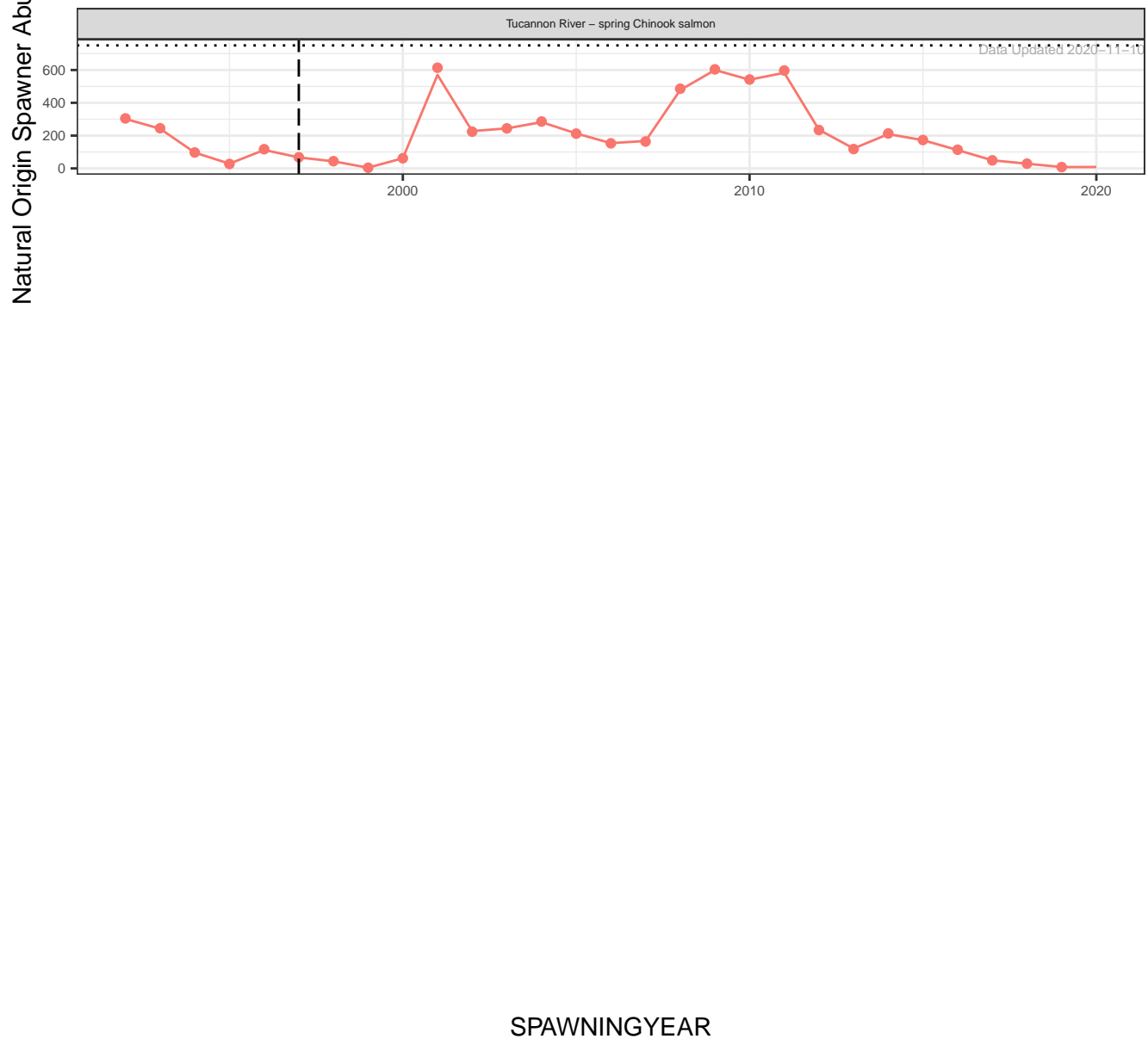
2000

2010

2020

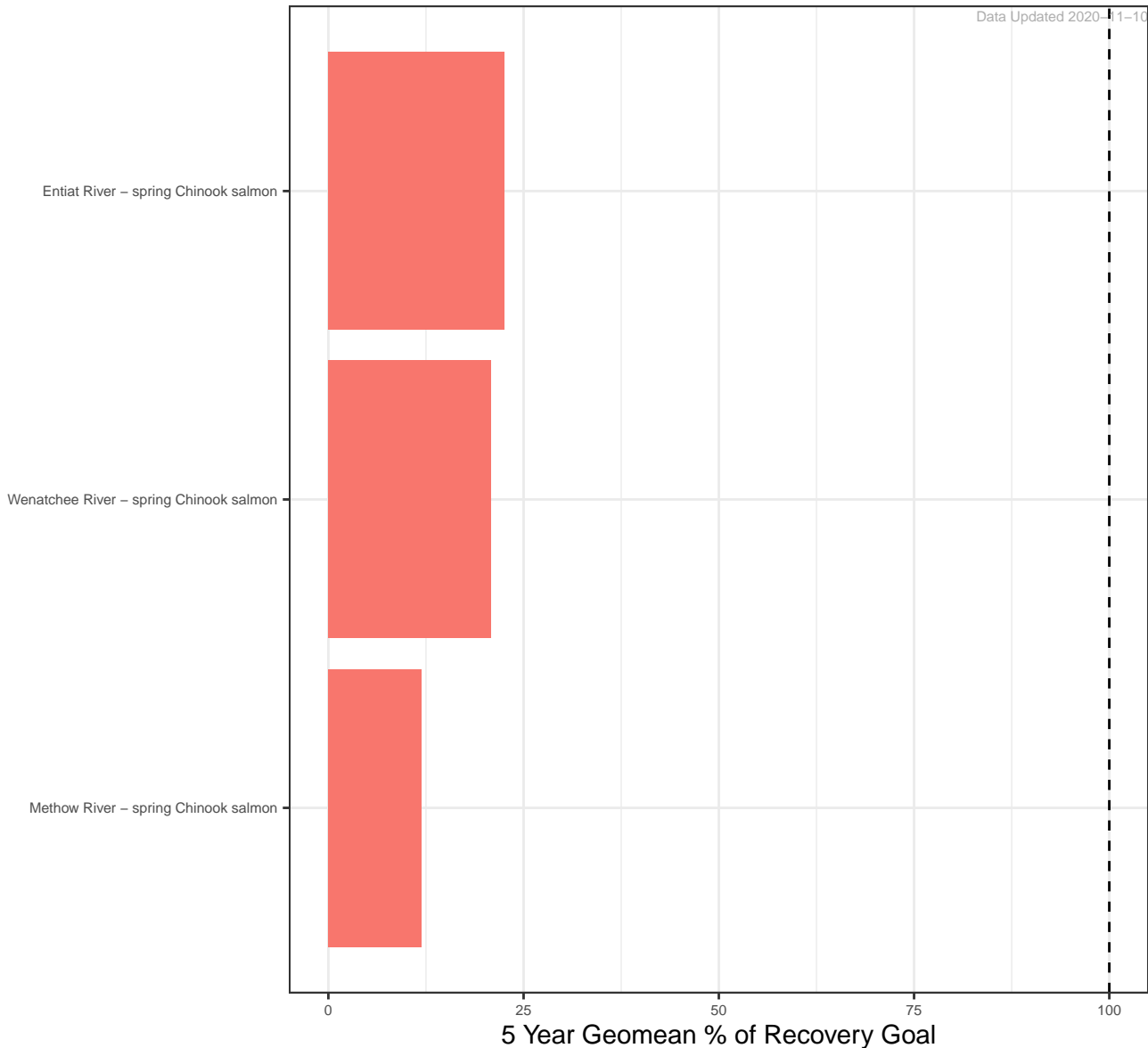


Snake River Spring/Summer Chinook ESU



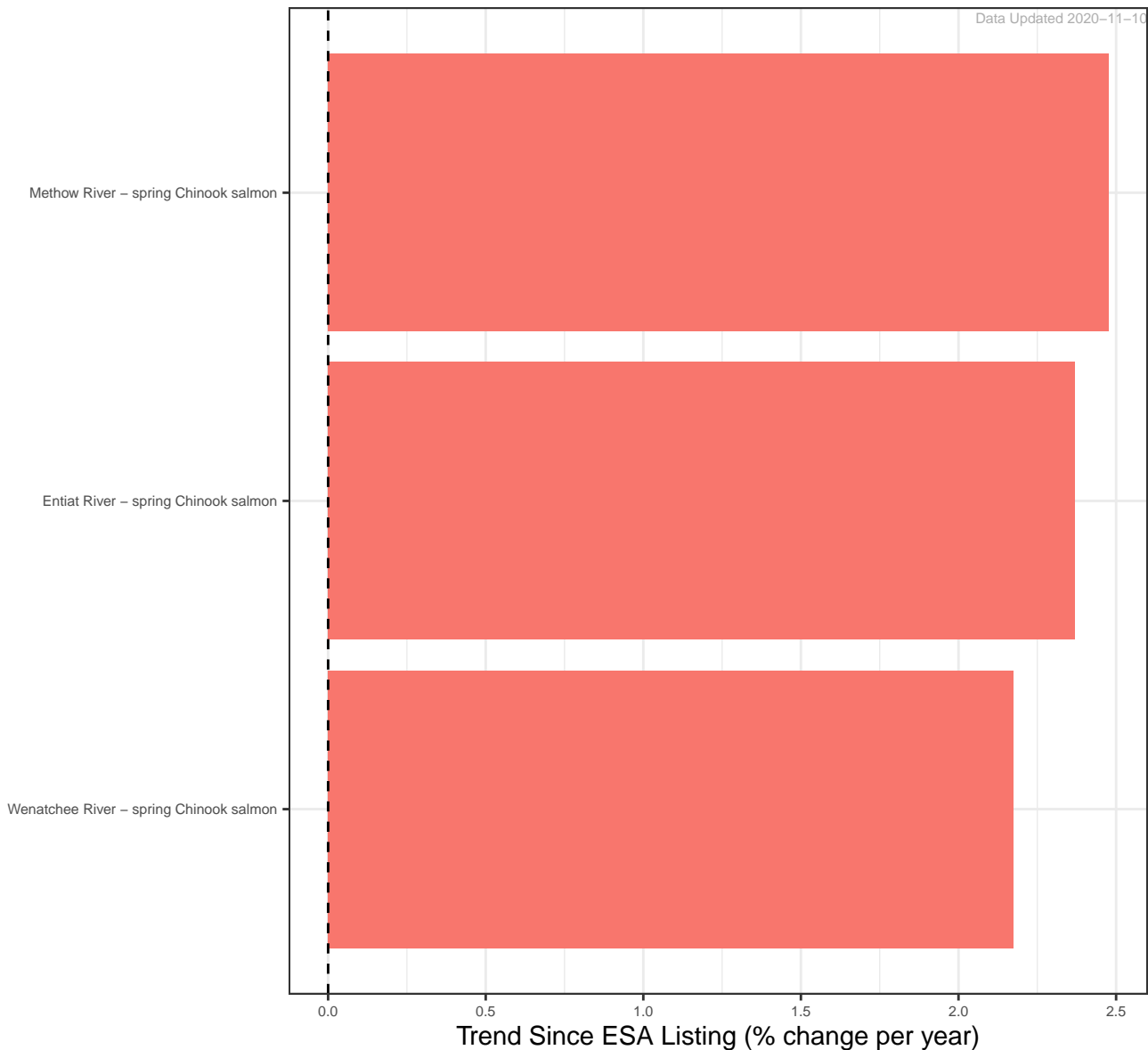
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Upper Columbia River Spring Chinook ESU



Caption: Five year (2015–2019) 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 2020-11-10

Natural Origin Spawner Abundance

Observed Abundance

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

1500

1000

500

0

2000

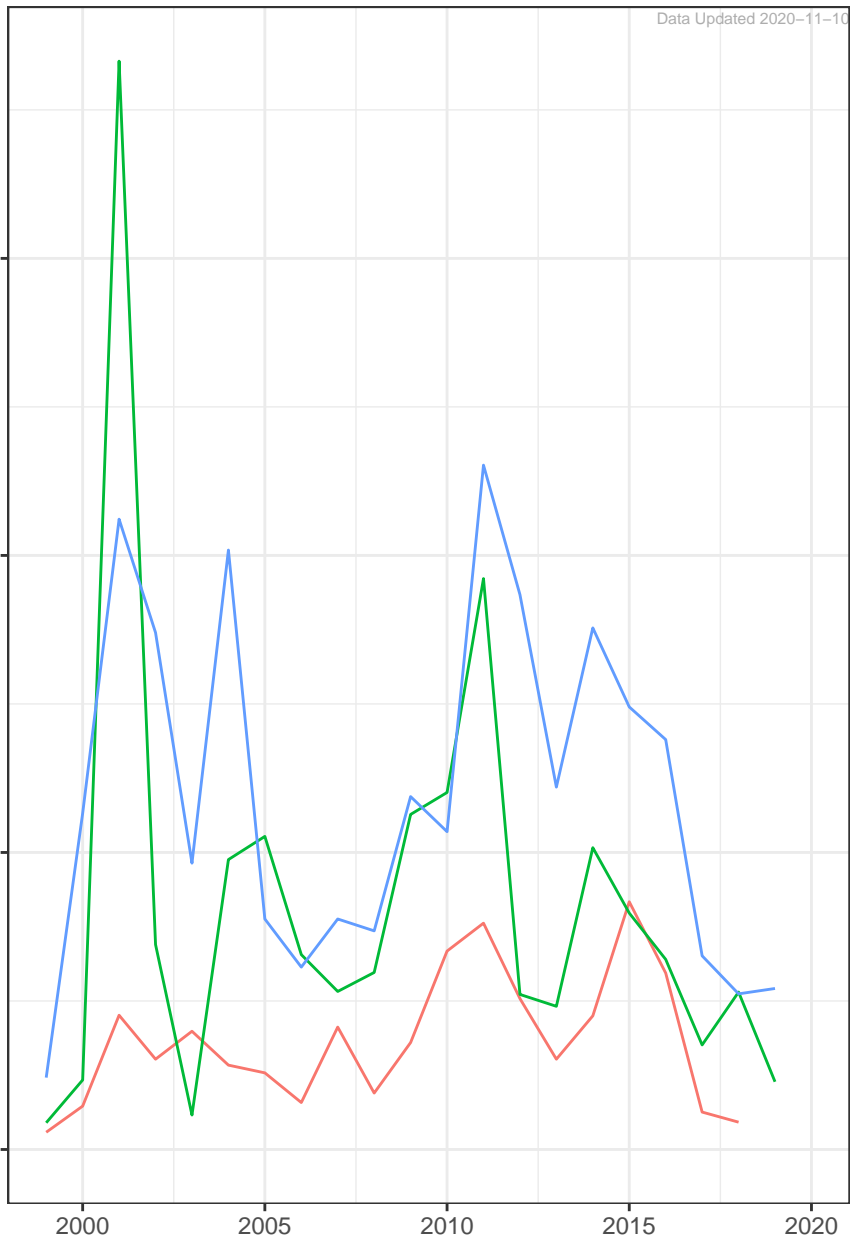
2005

2010

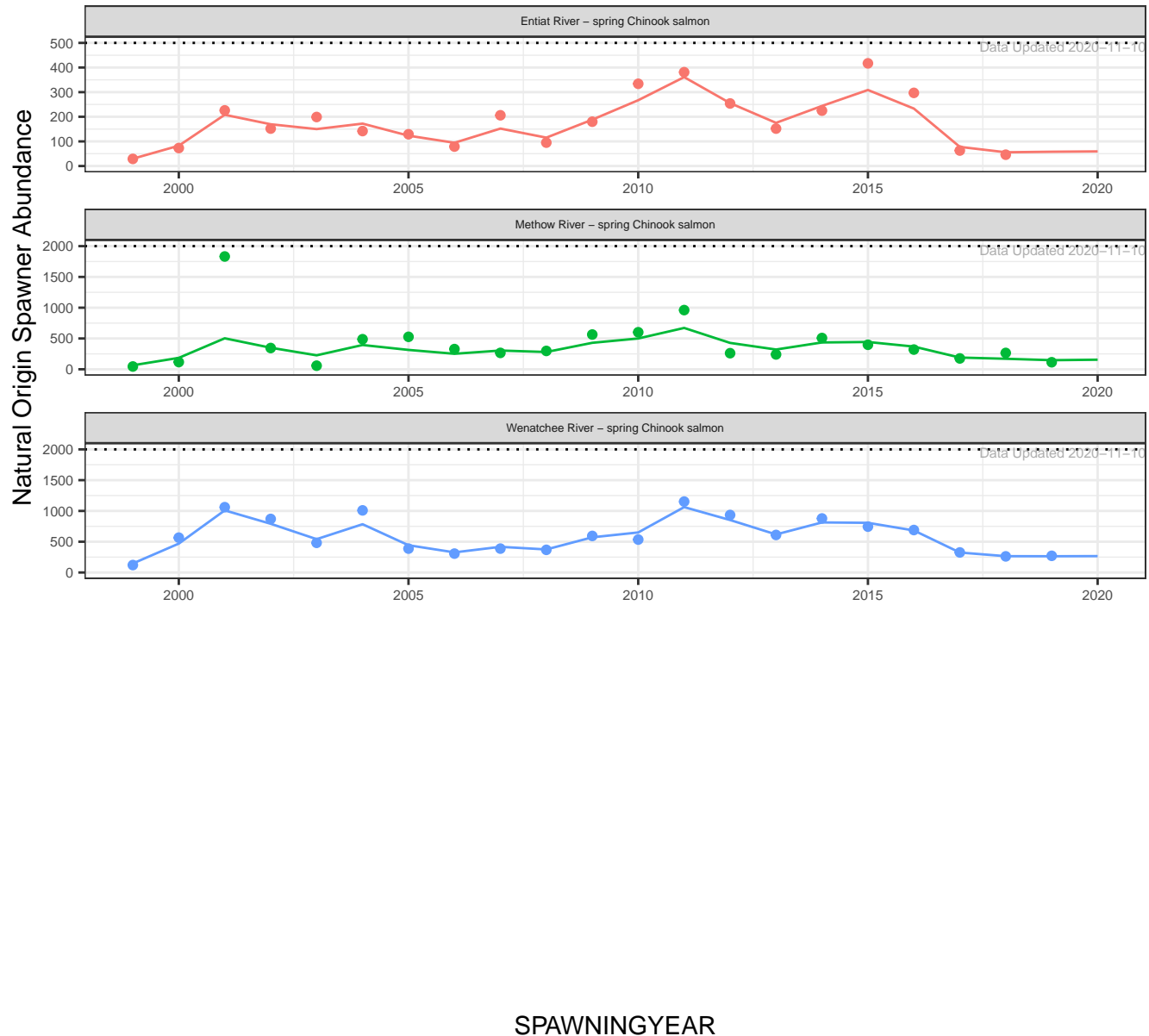
2015

2020

SPAWNINGYEAR

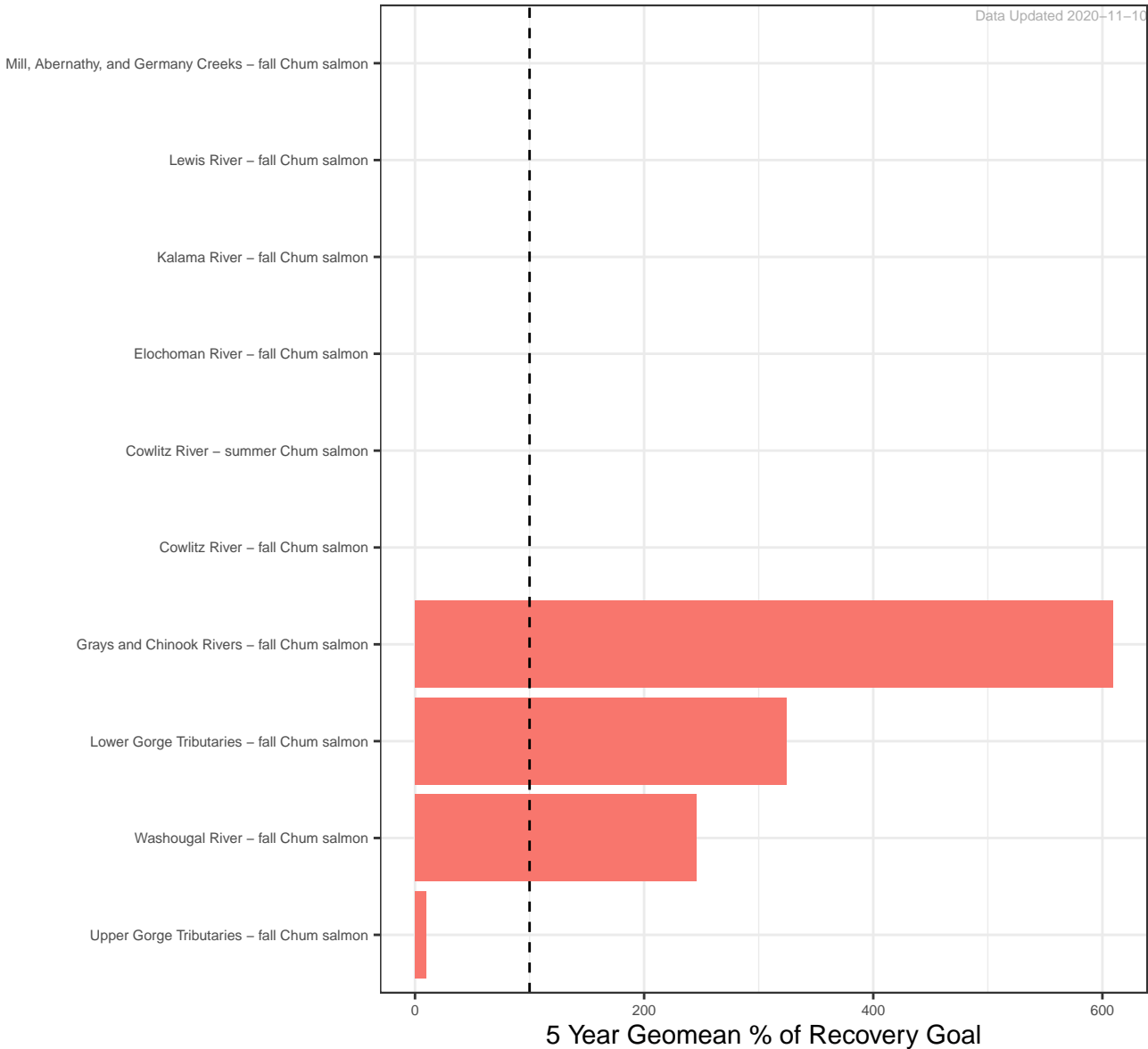


Upper Columbia River Spring Chinook ESU



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

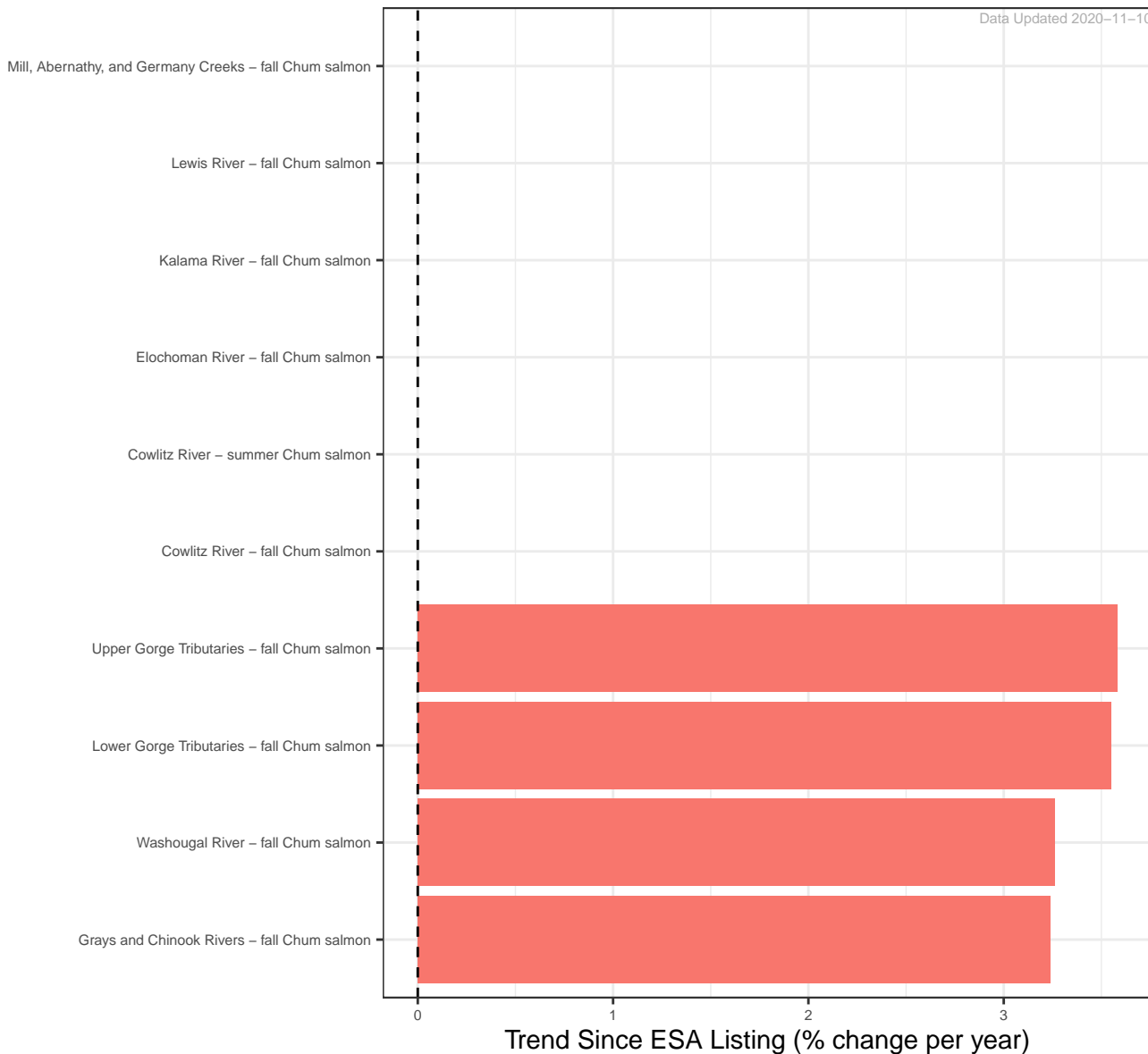
Columbia River Chum ESU



Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Columbia River Chum ESU

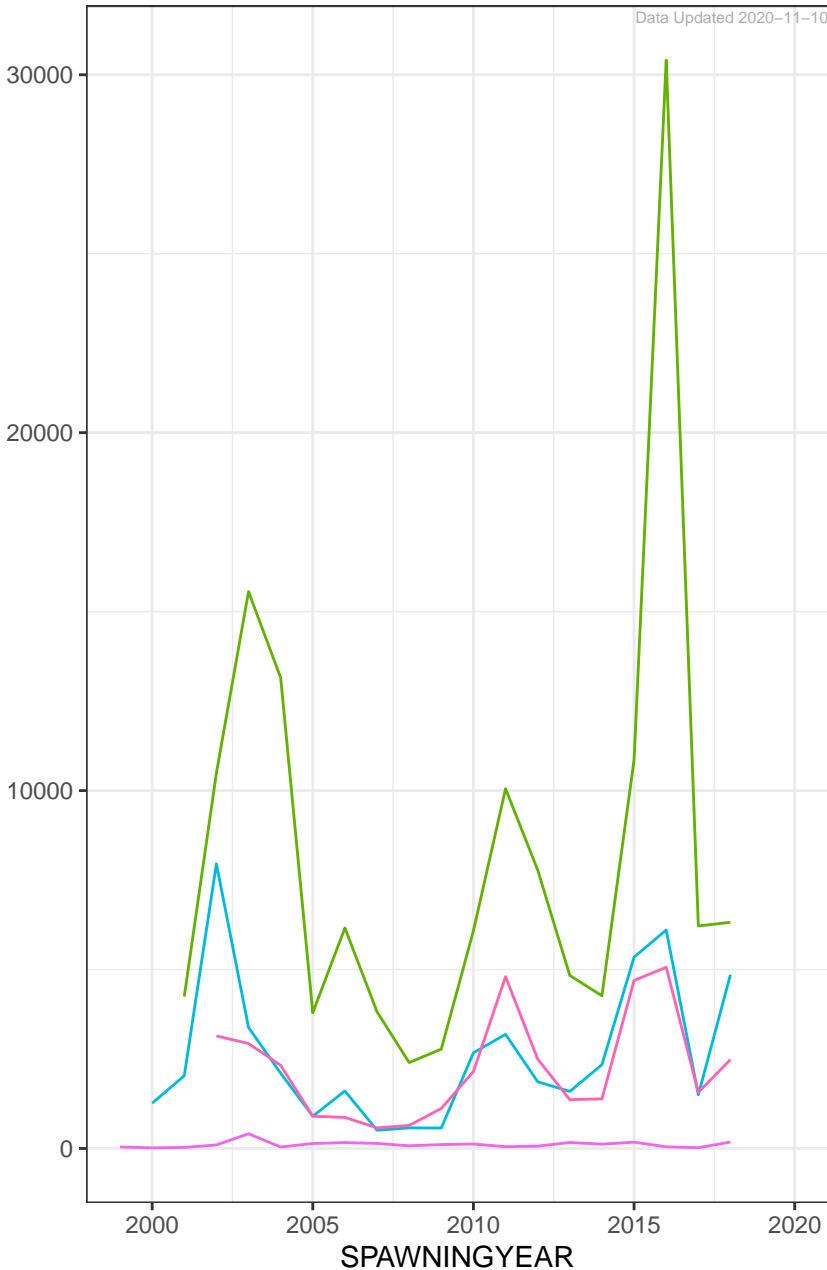
Data Updated 2020-11-10



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

Columbia River Chum ESU

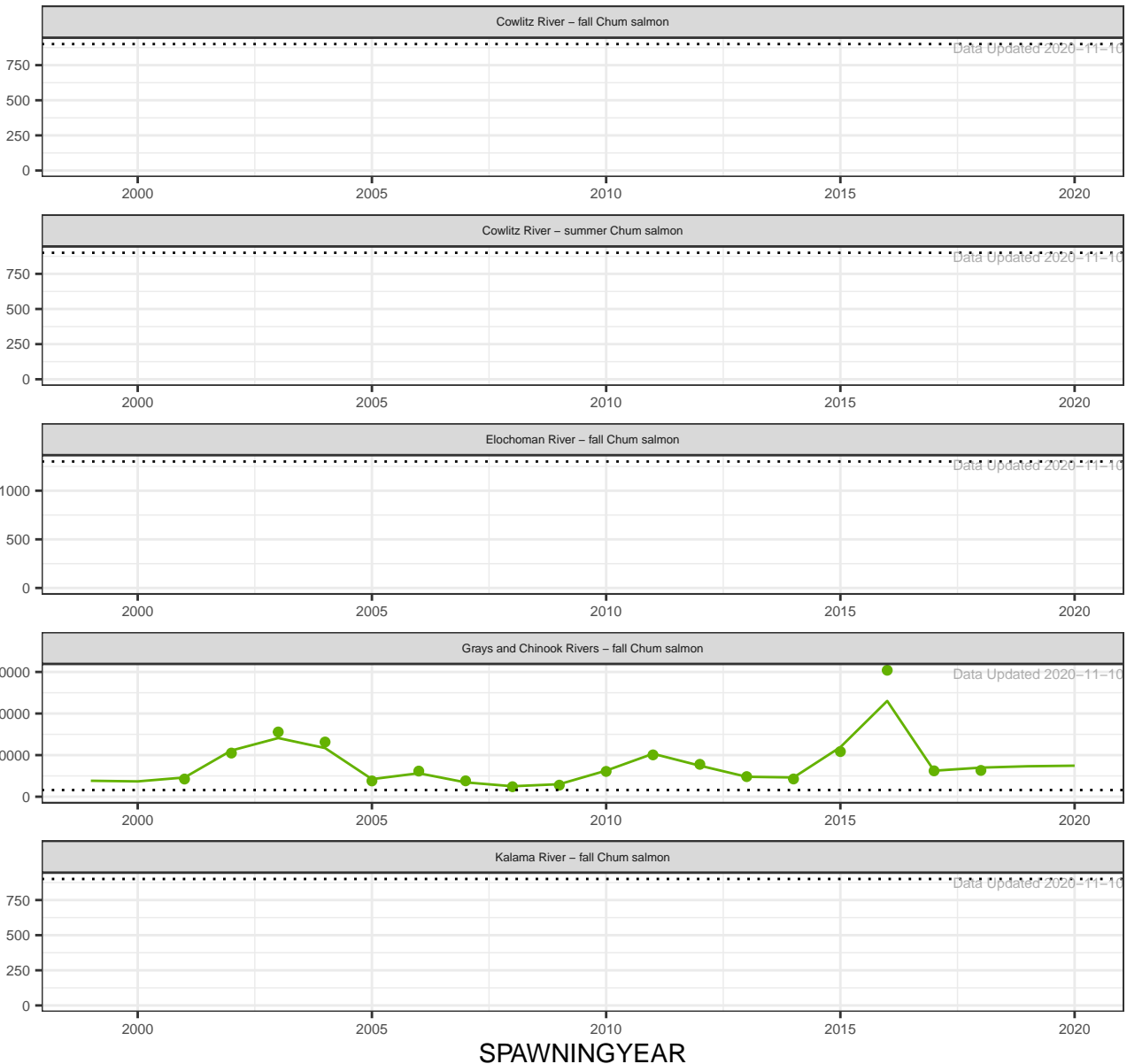
Natural Origin Spawner Abundance



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

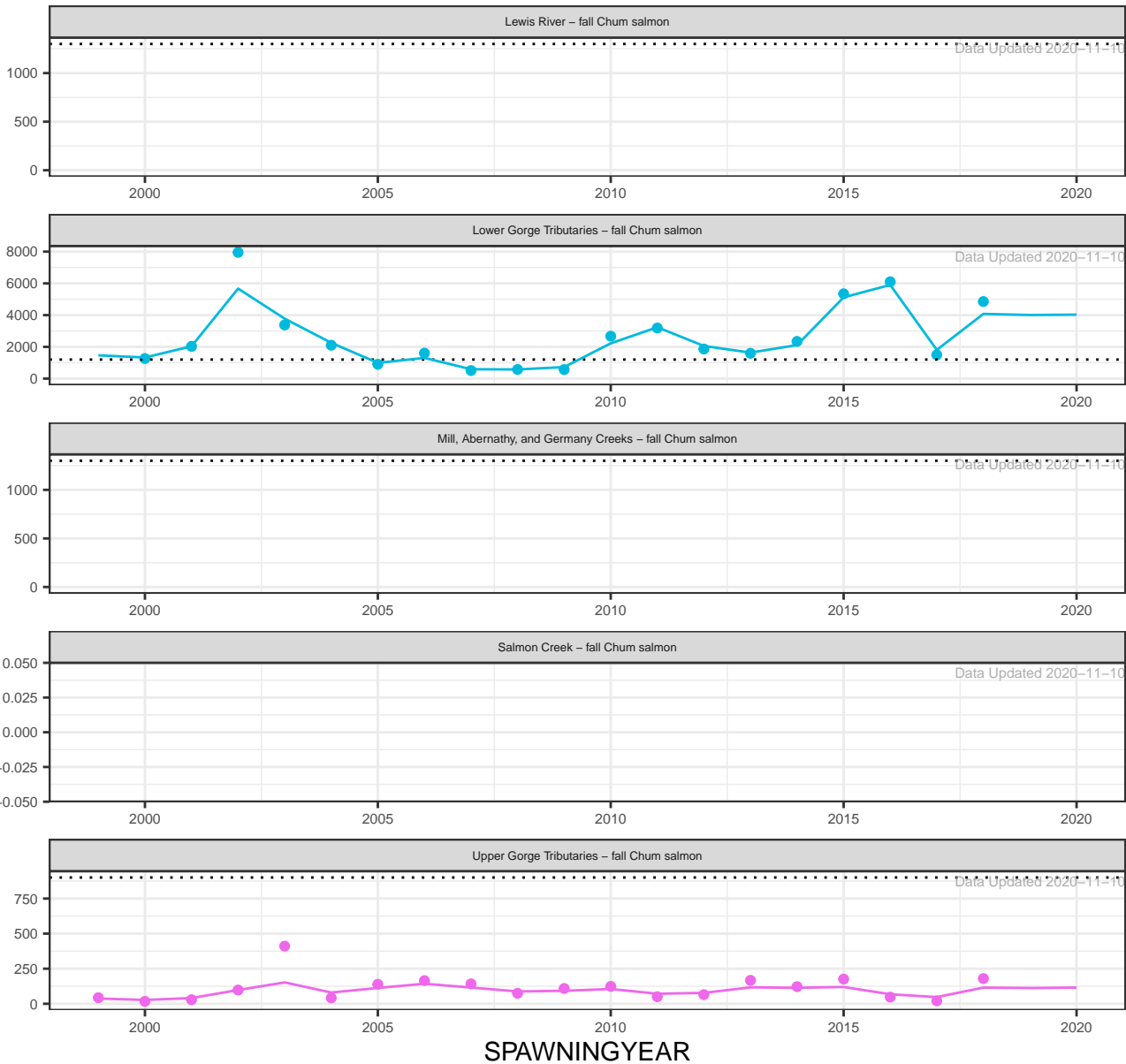
Columbia River Chum ESU



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

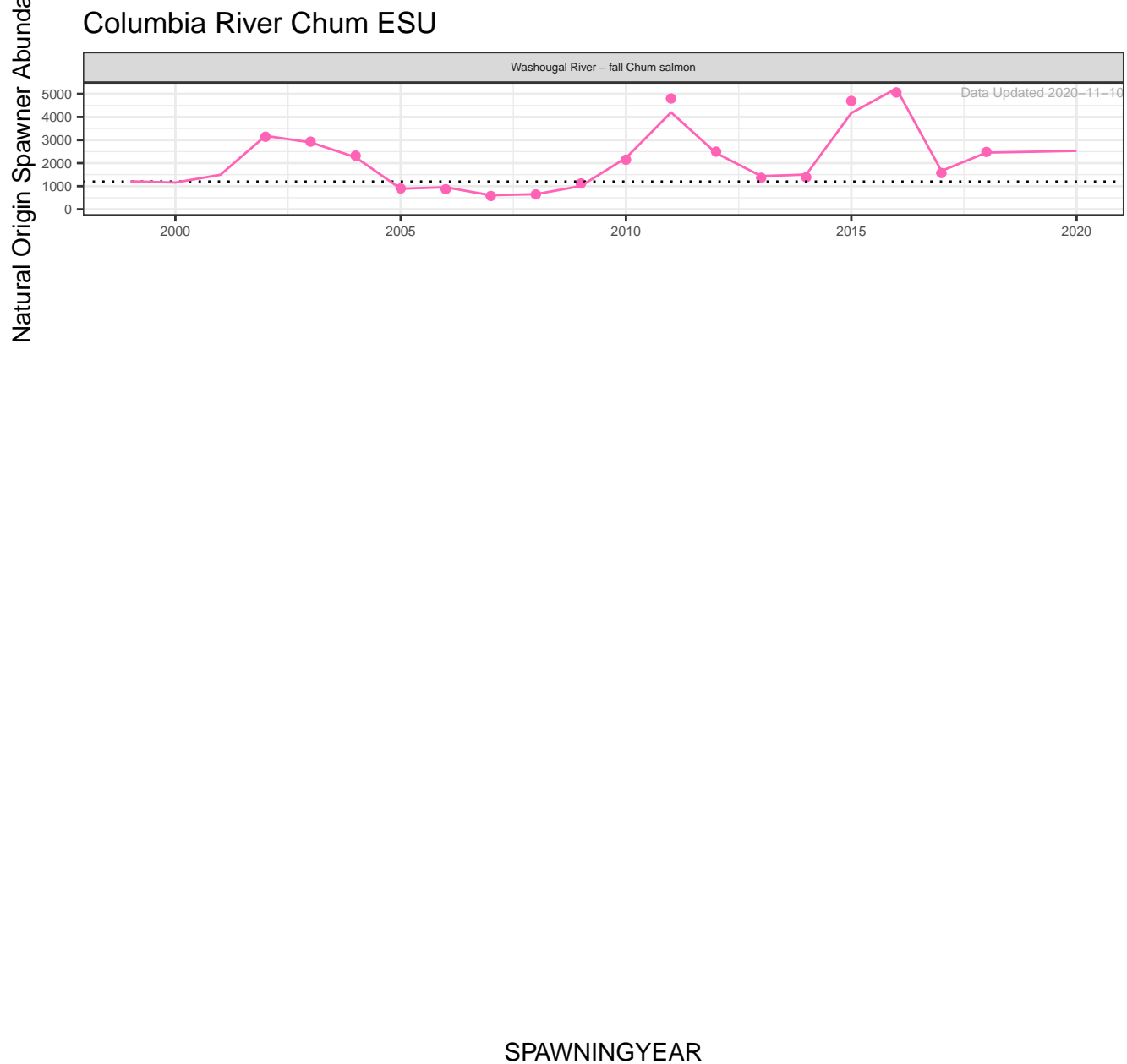
Columbia River Chum ESU

Natural Origin Spawner Abundance



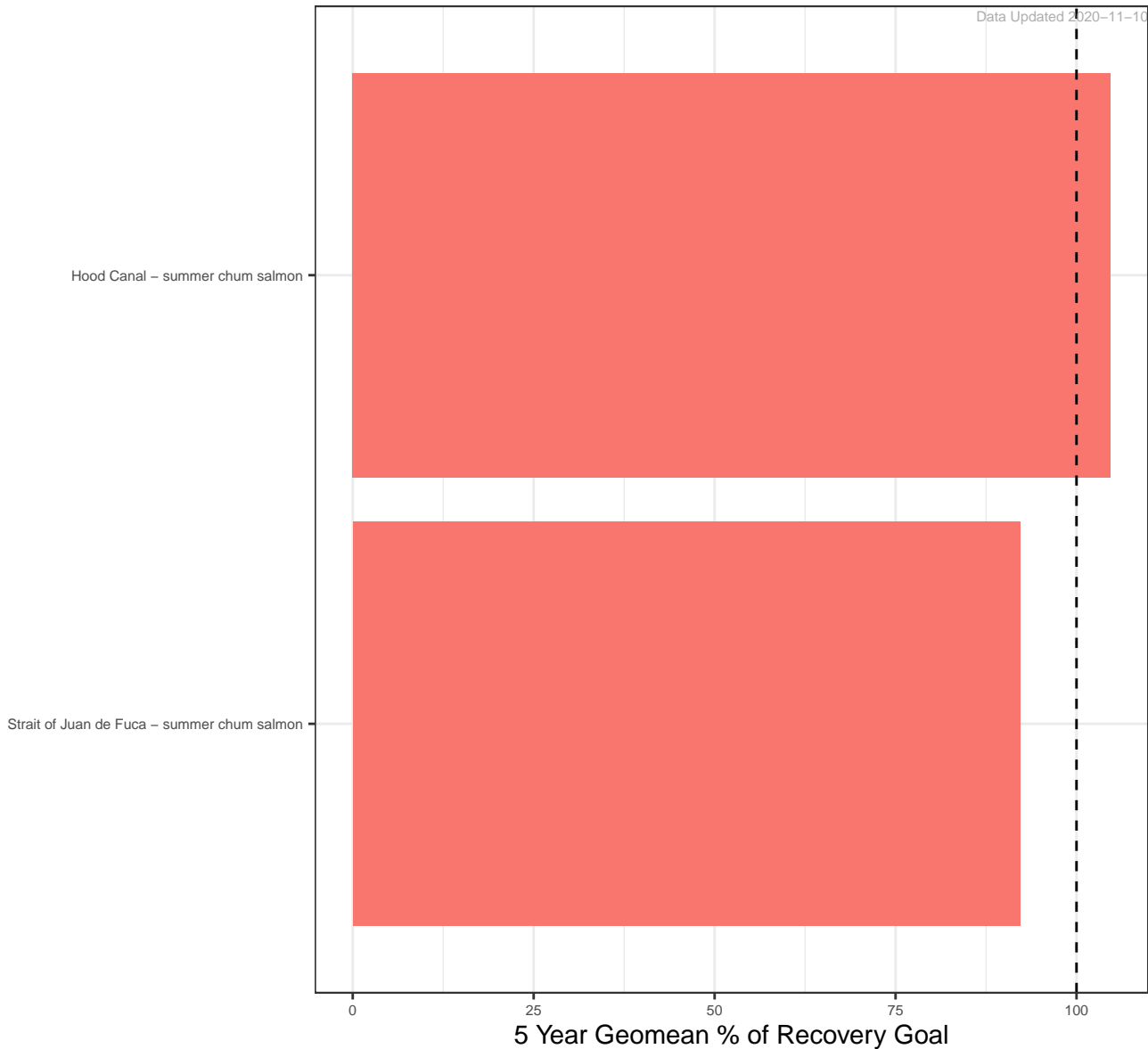
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Columbia River Chum ESU



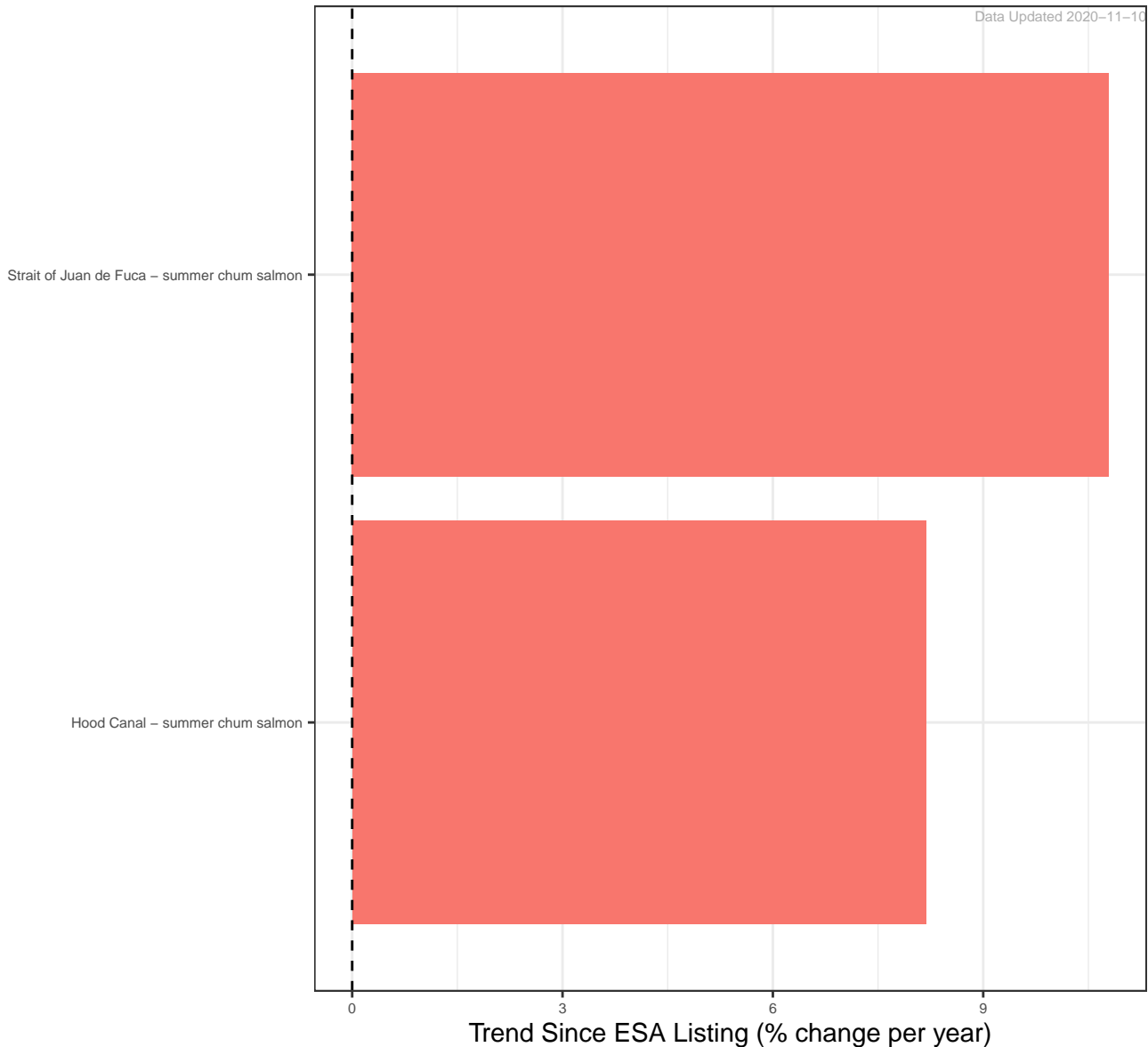
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Hood Canal Summer Chum ESU



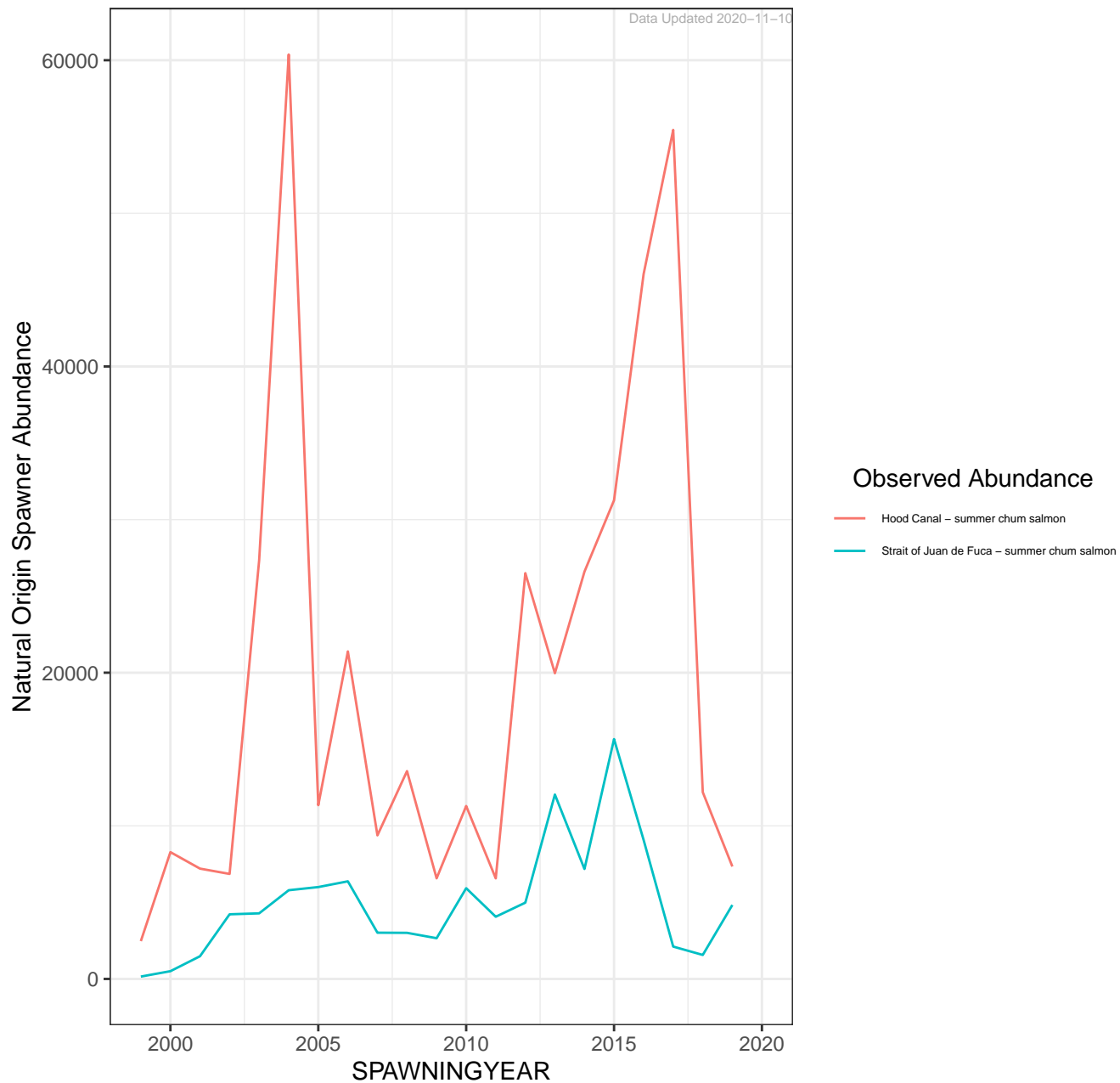
Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Hood Canal Summer Chum ESU



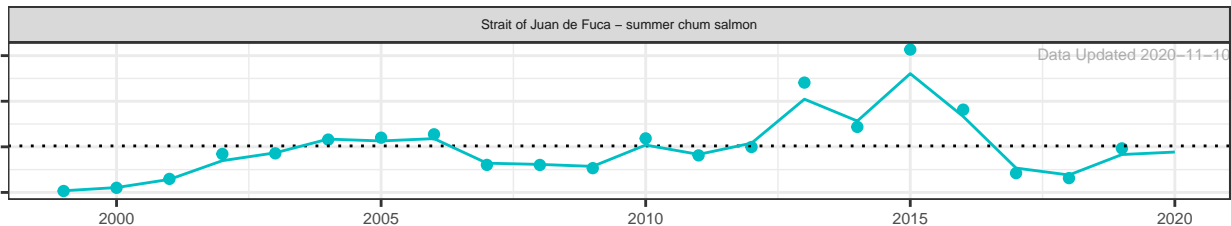
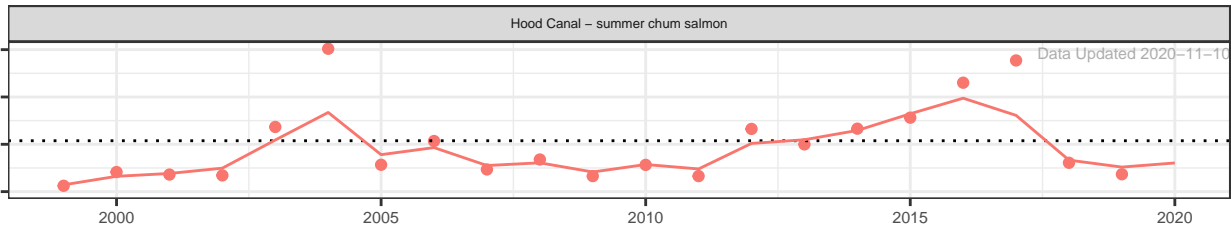
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Hood Canal Summer Chum ESU



Hood Canal Summer Chum ESU

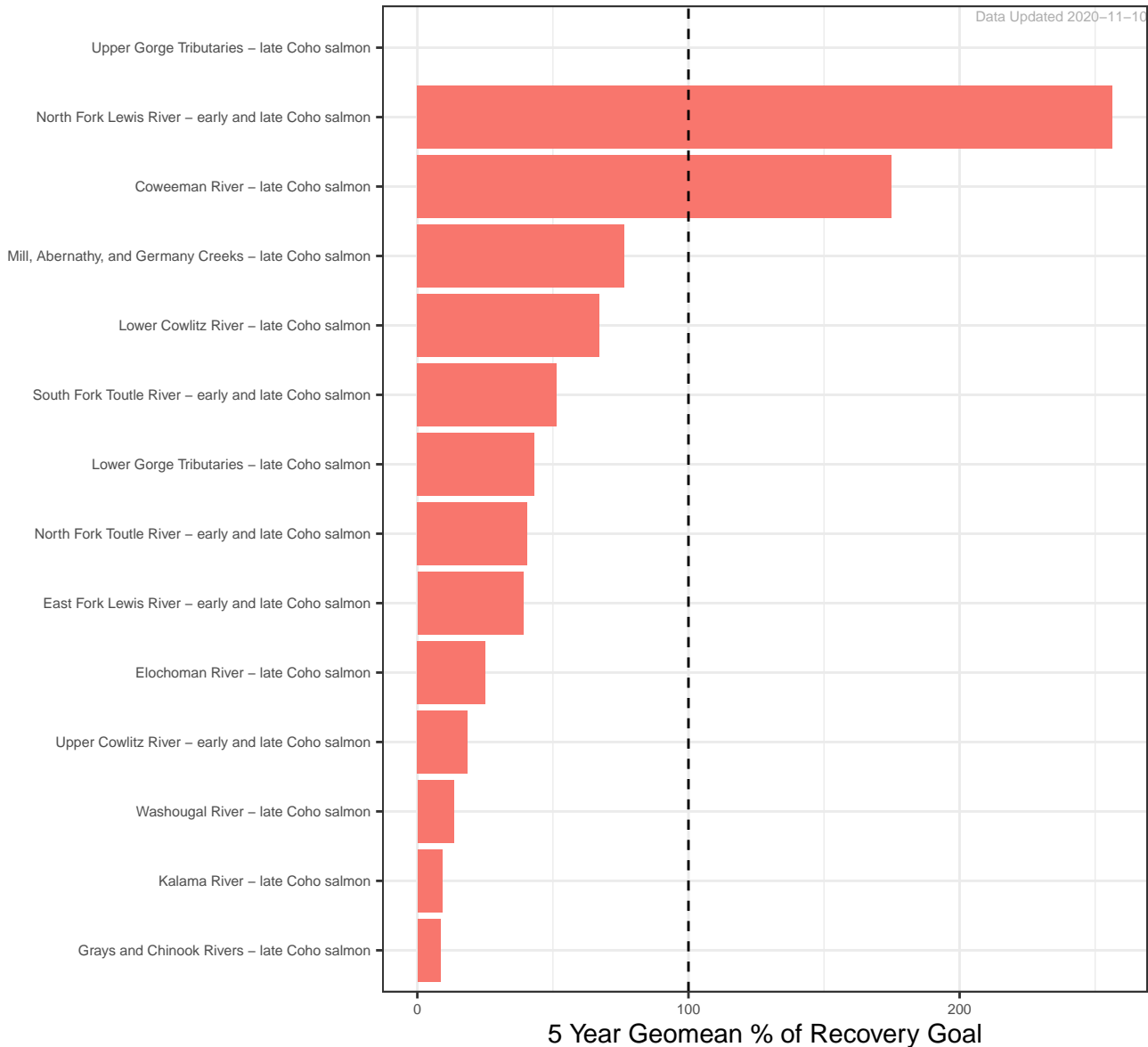
Natural Origin Spawner Abundance



SPAWNINGYEAR

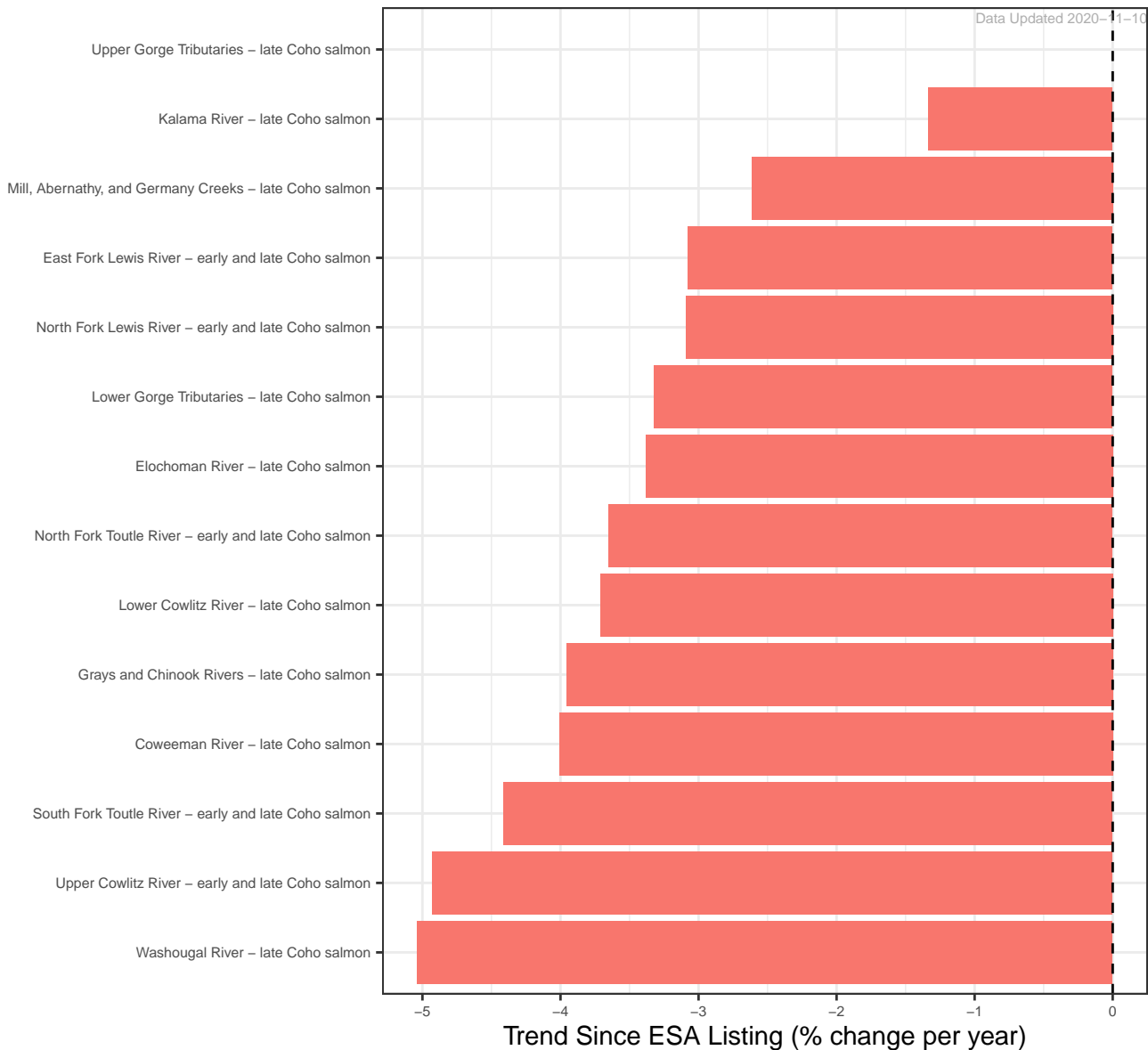
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Lower Columbia River Coho ESU



Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

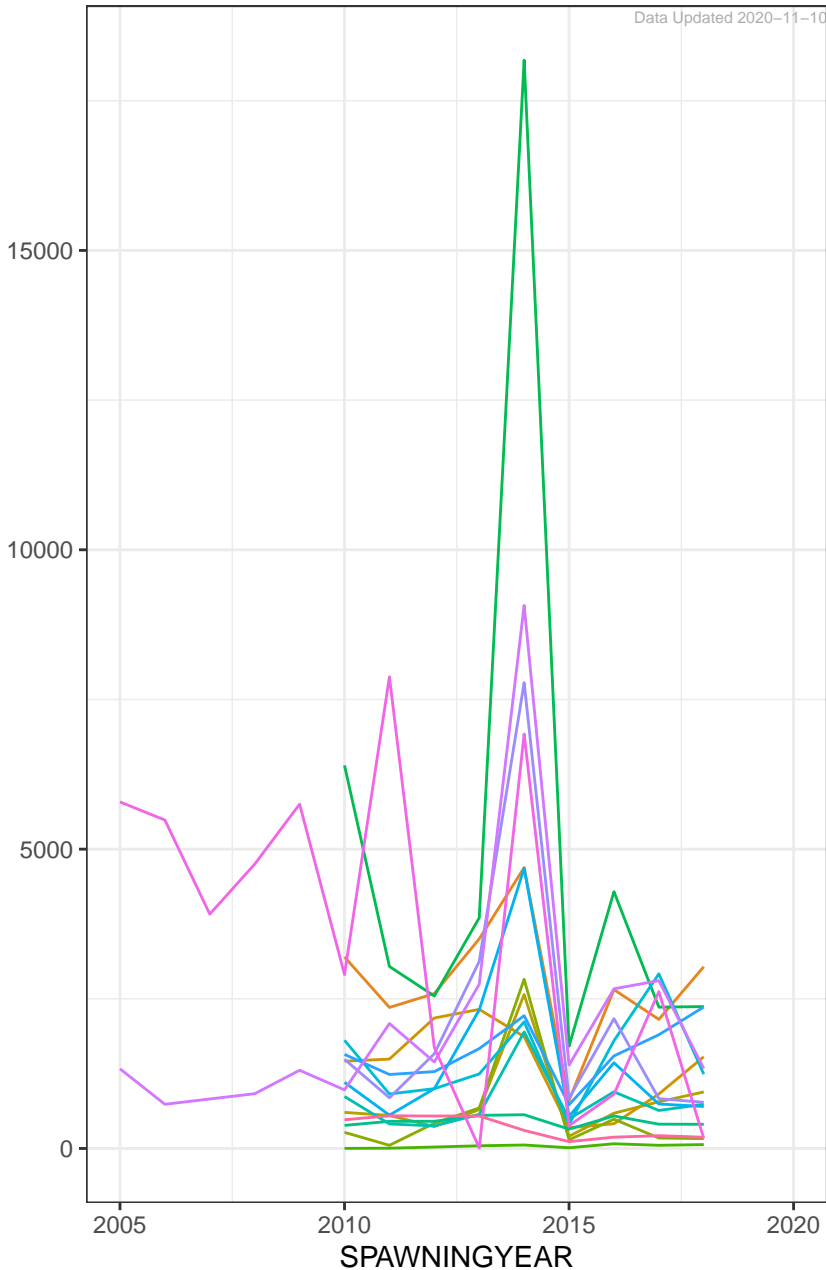
Lower Columbia River Coho ESU



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

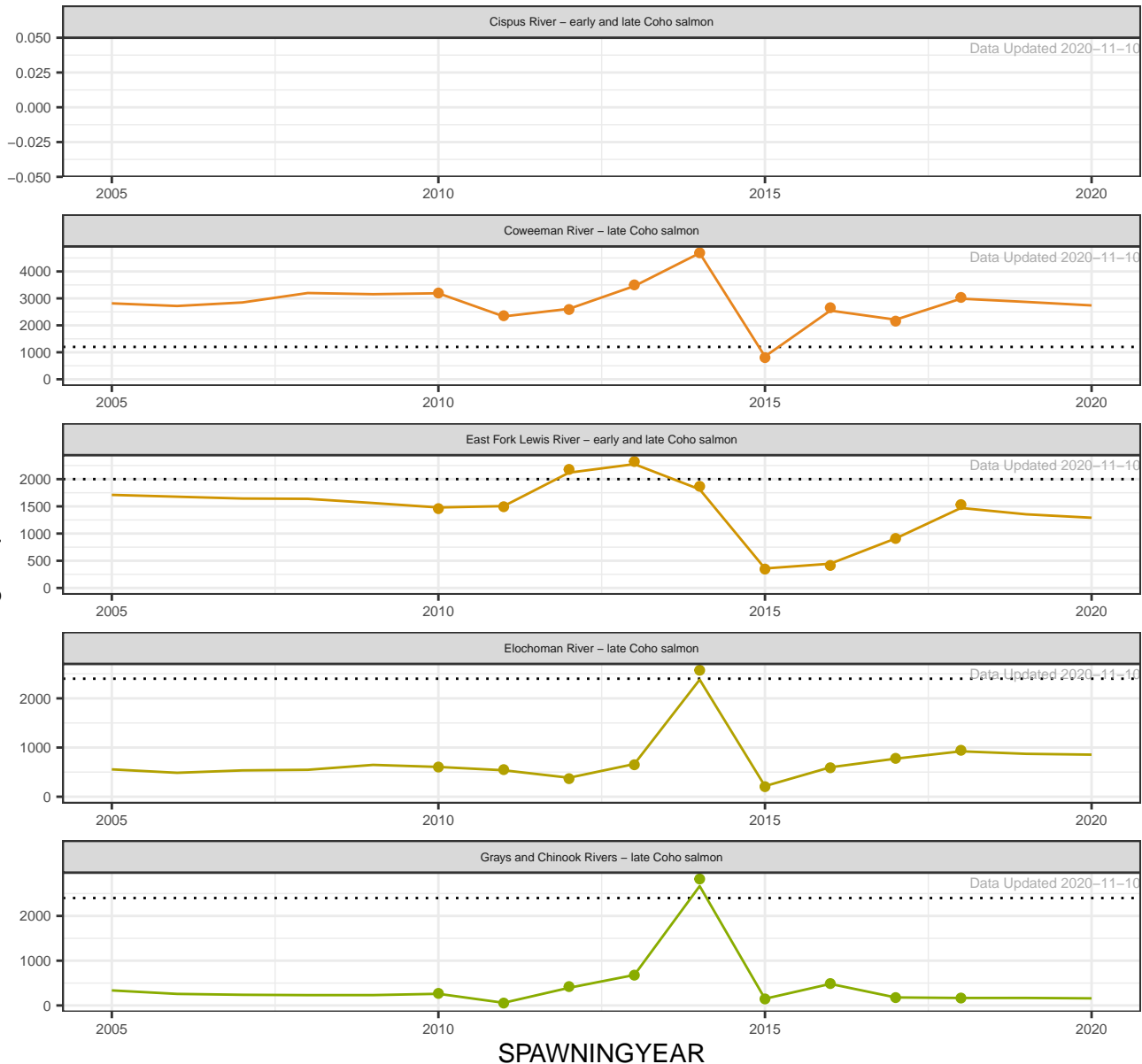


Observed Abundance

- 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

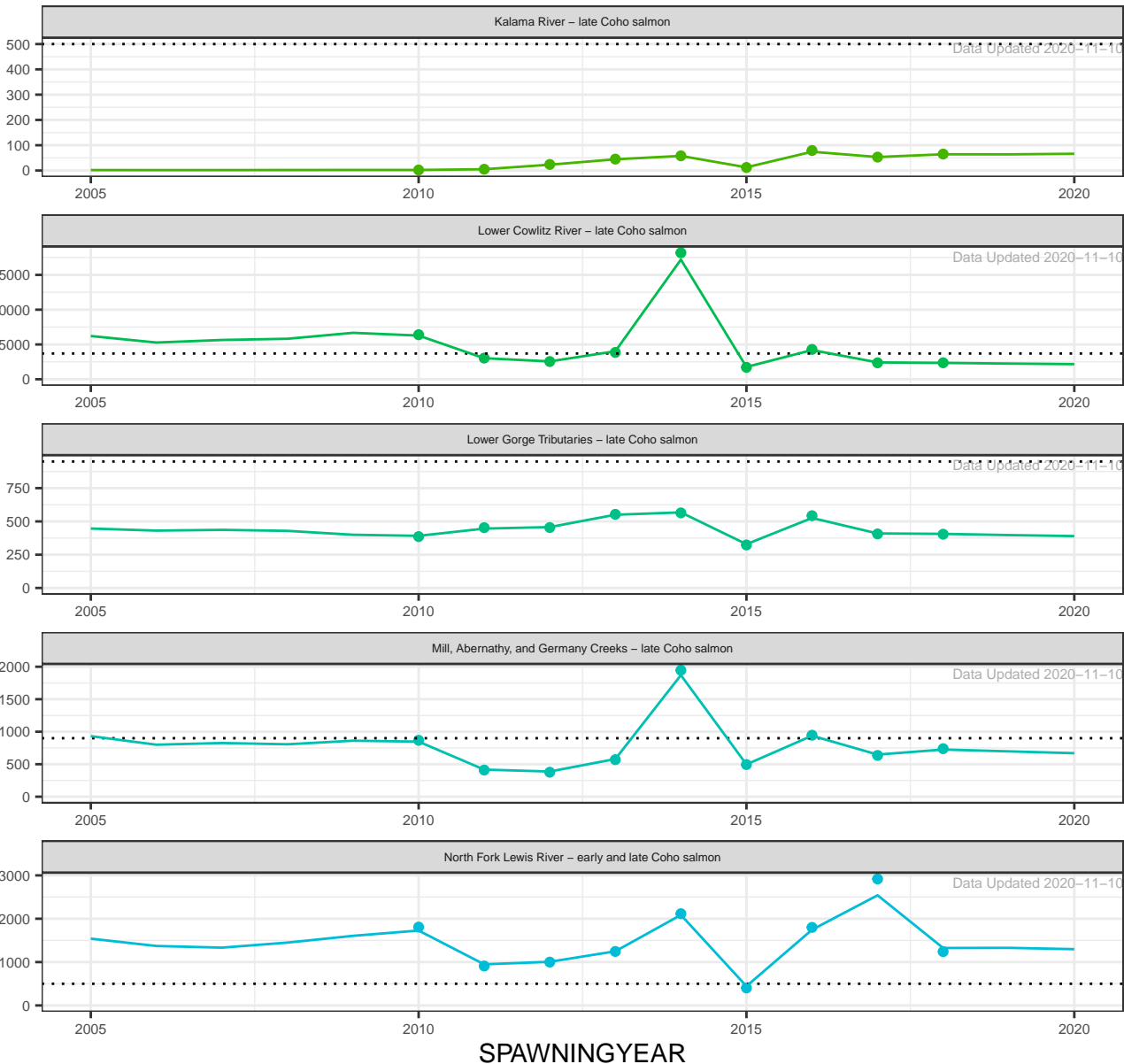
Natural Origin Spawner Abundance



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

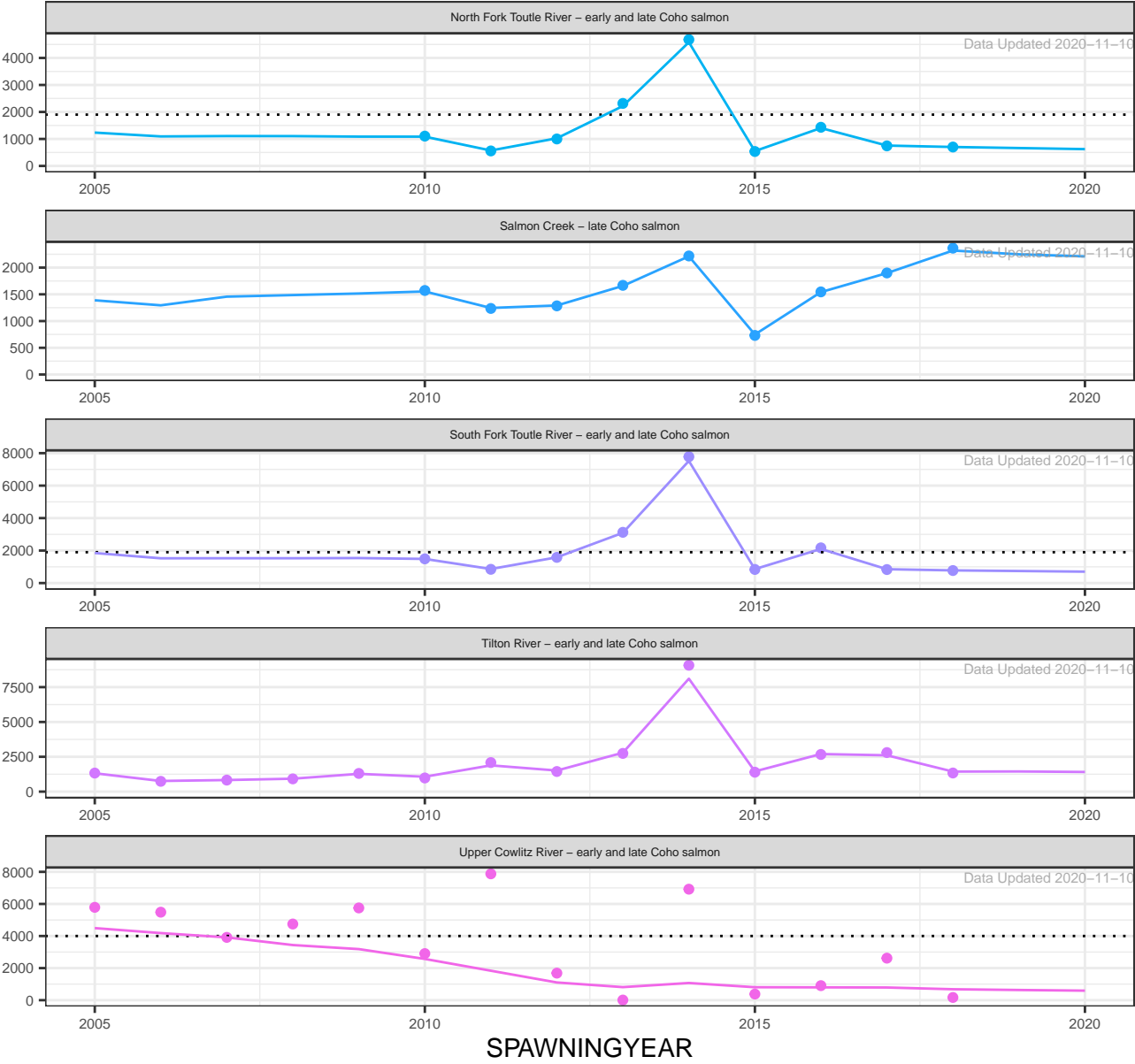
Natural Origin Spawner Abundance



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

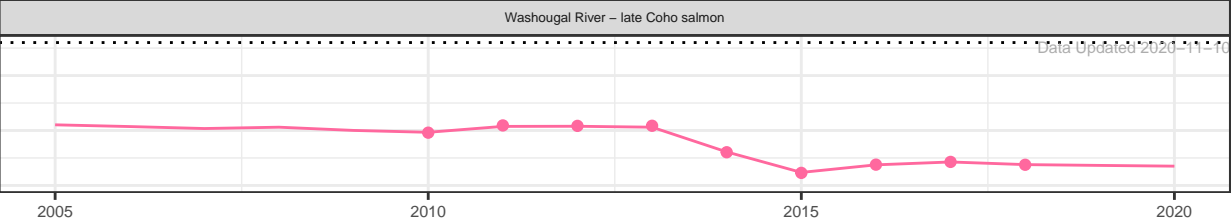
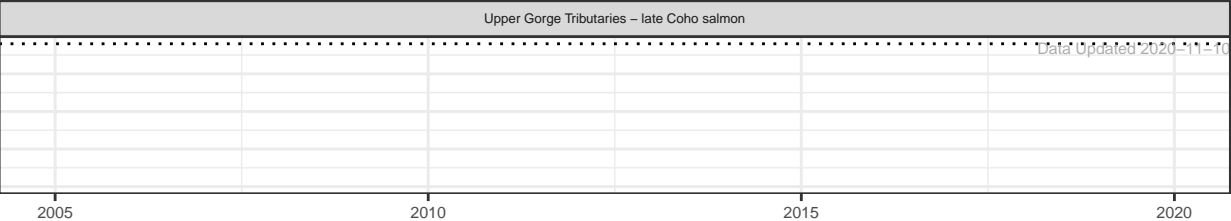
Natural Origin Spawner Abundance



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

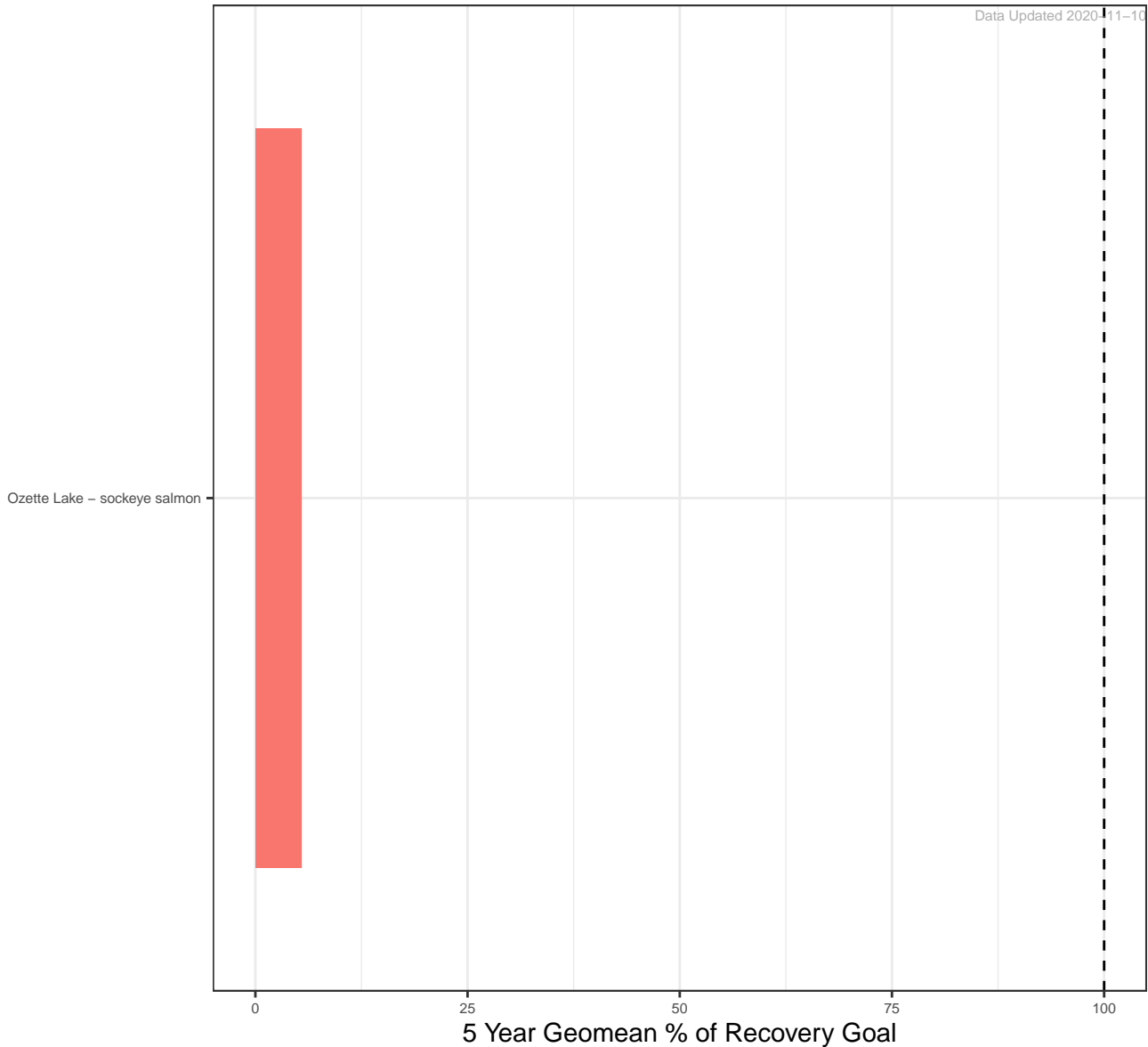
Natural Origin Spawner Abundance



SPAWNINGYEAR

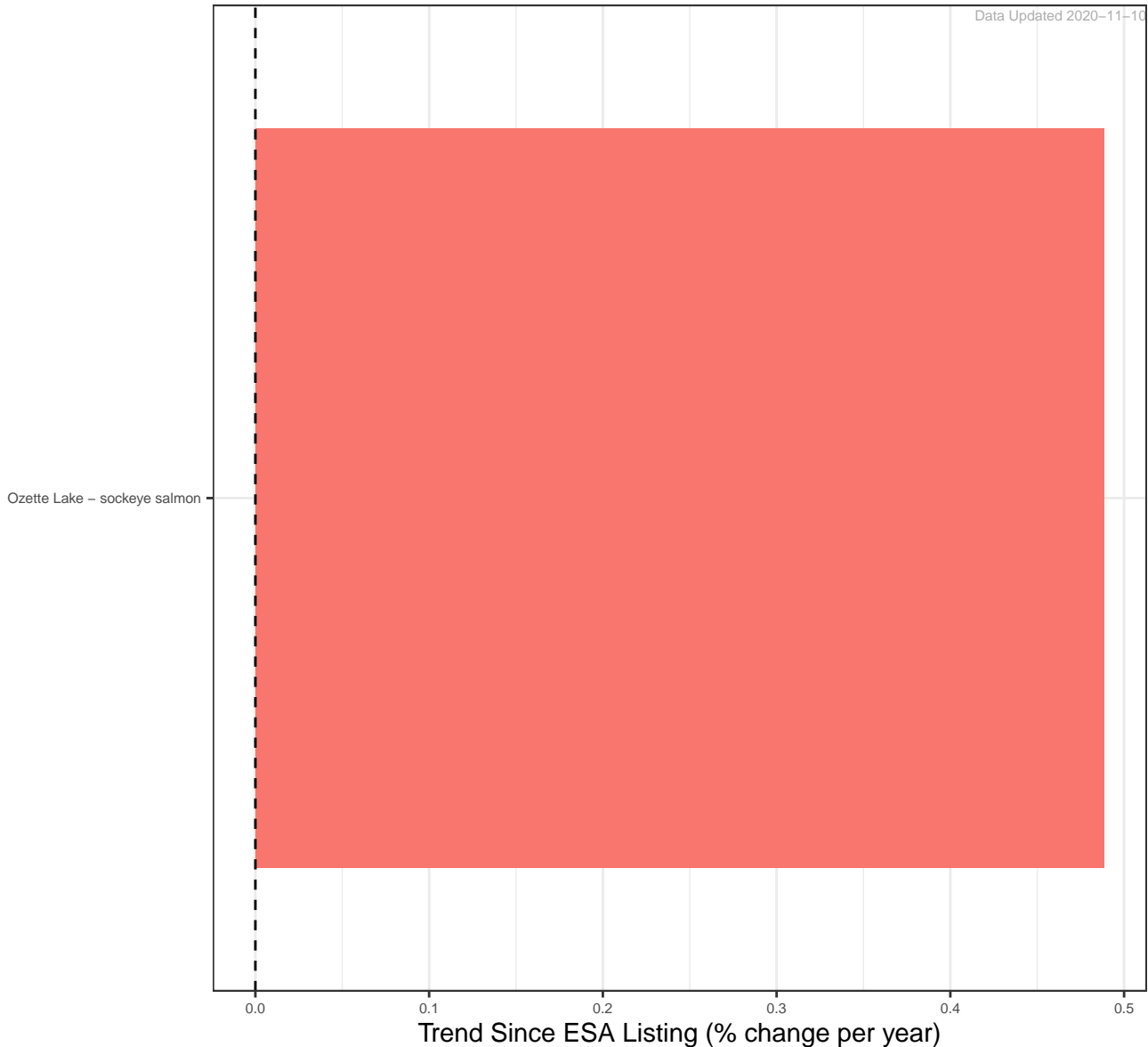
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Ozette Lake Sockeye ESU



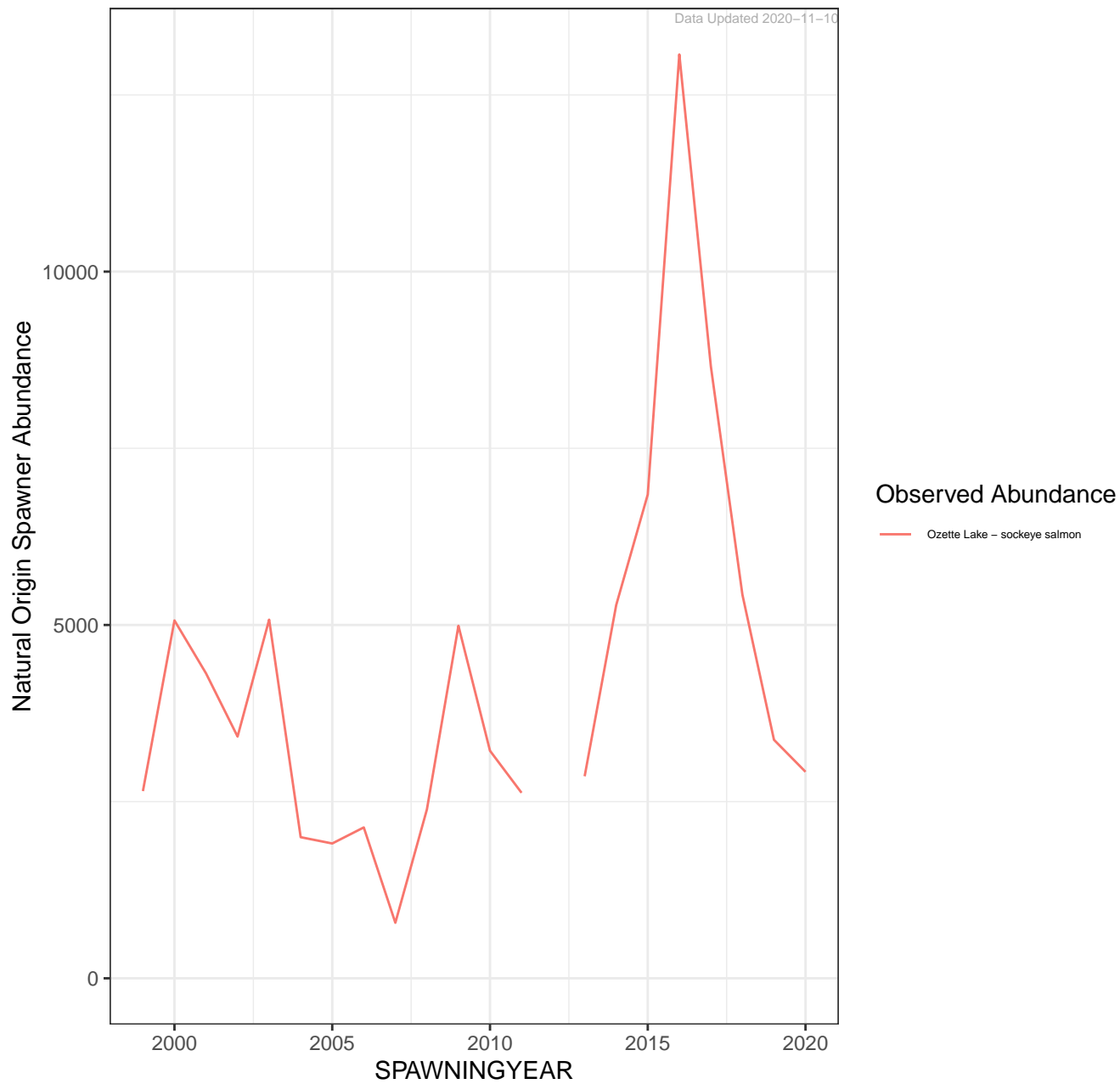
Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Ozette Lake Sockeye ESU

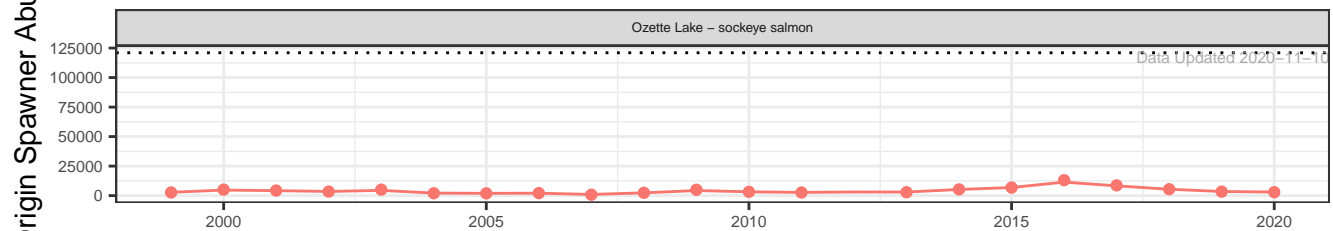


Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Ozette Lake Sockeye ESU



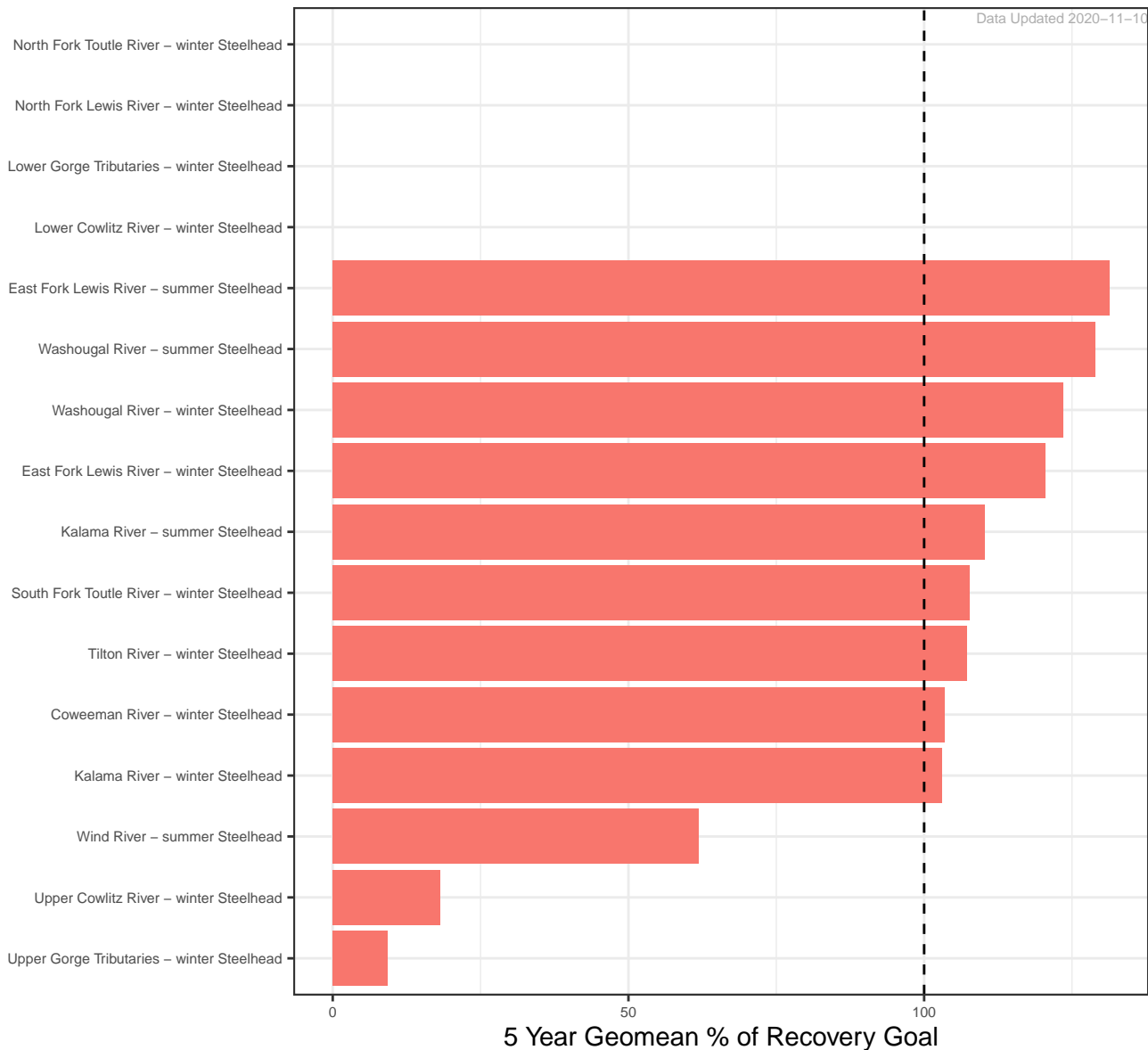
Ozette Lake Sockeye ESU



SPAWNINGYEAR

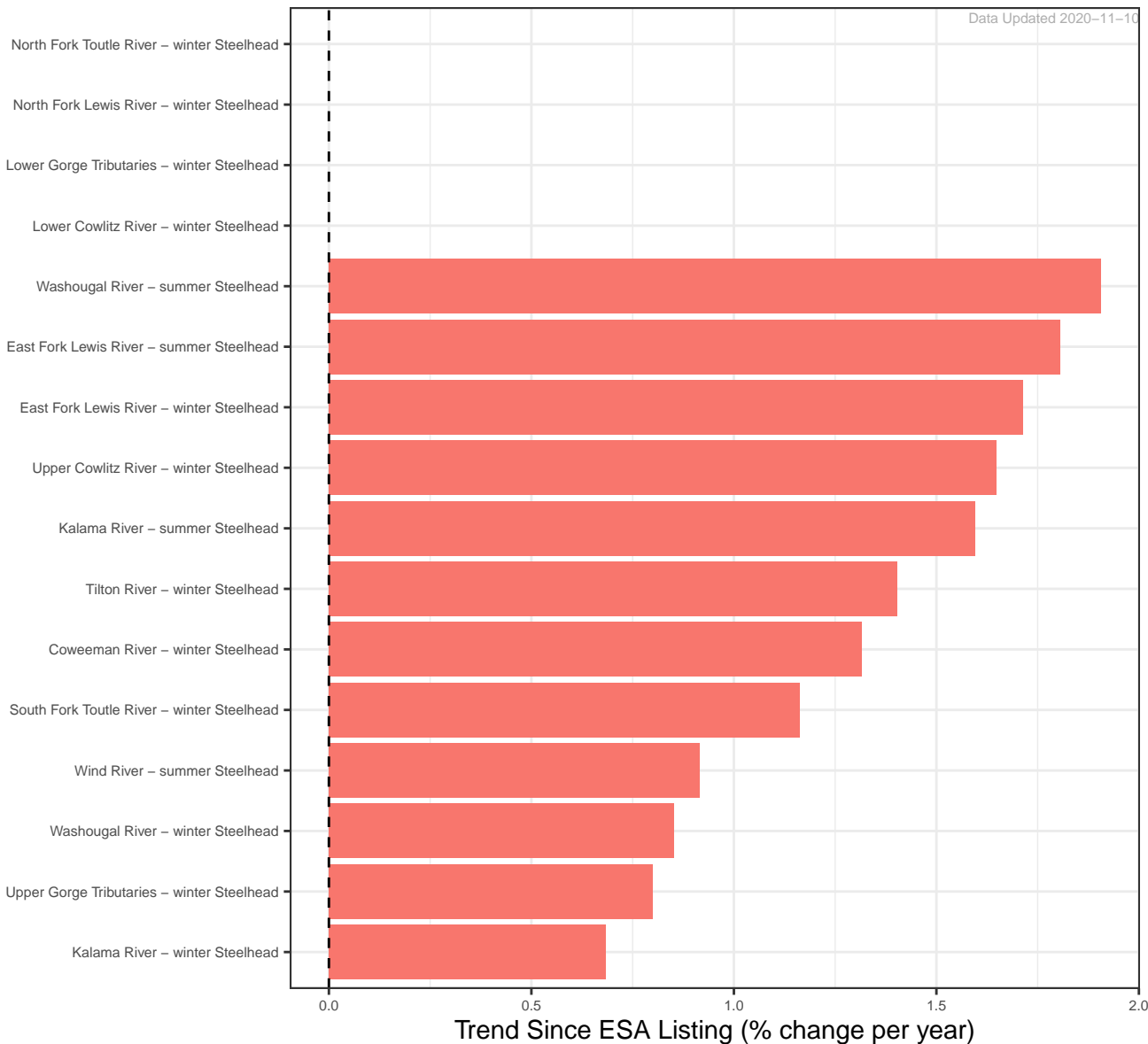
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Lower Columbia River Steelhead DPS



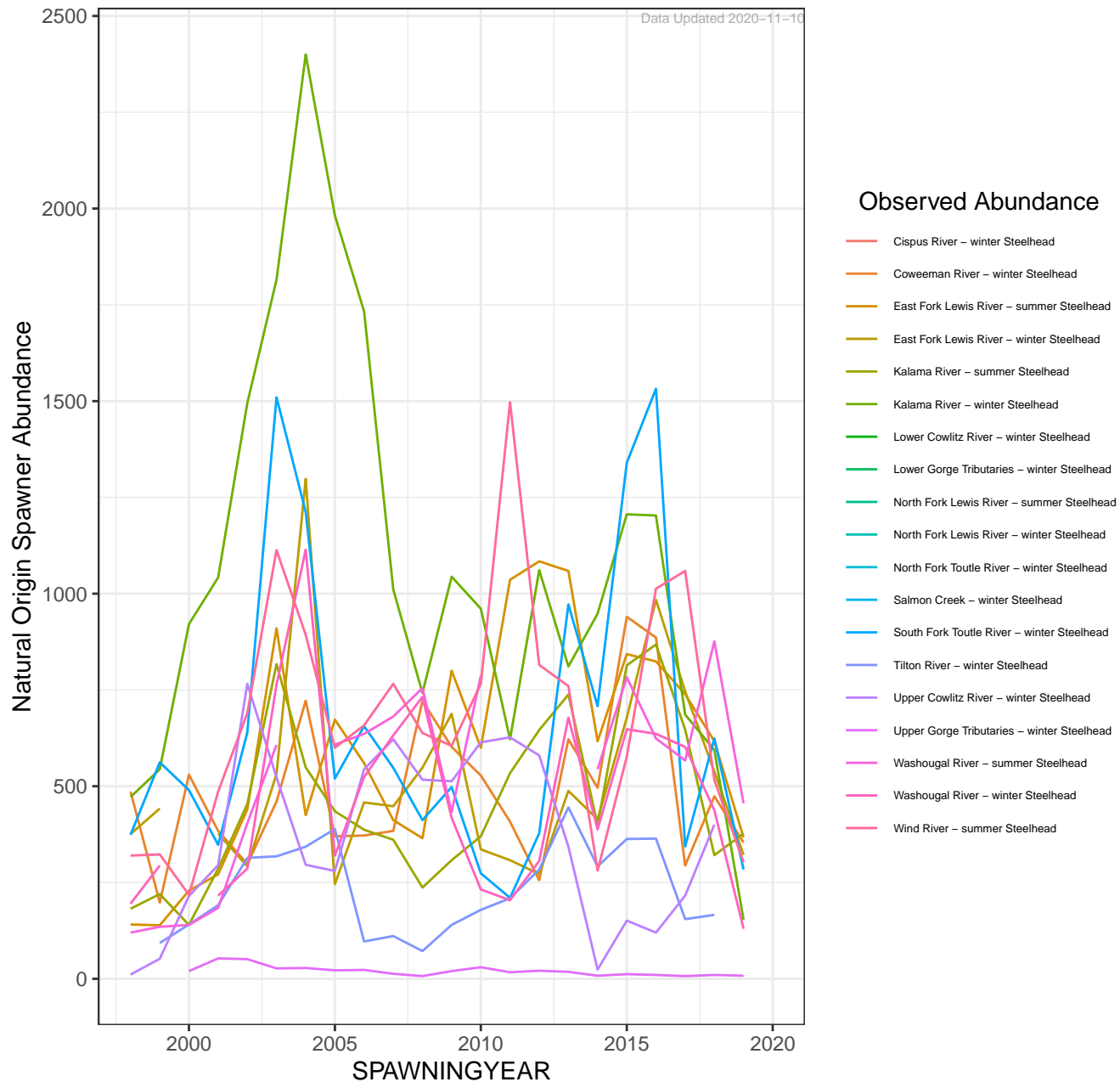
Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Lower Columbia River Steelhead DPS



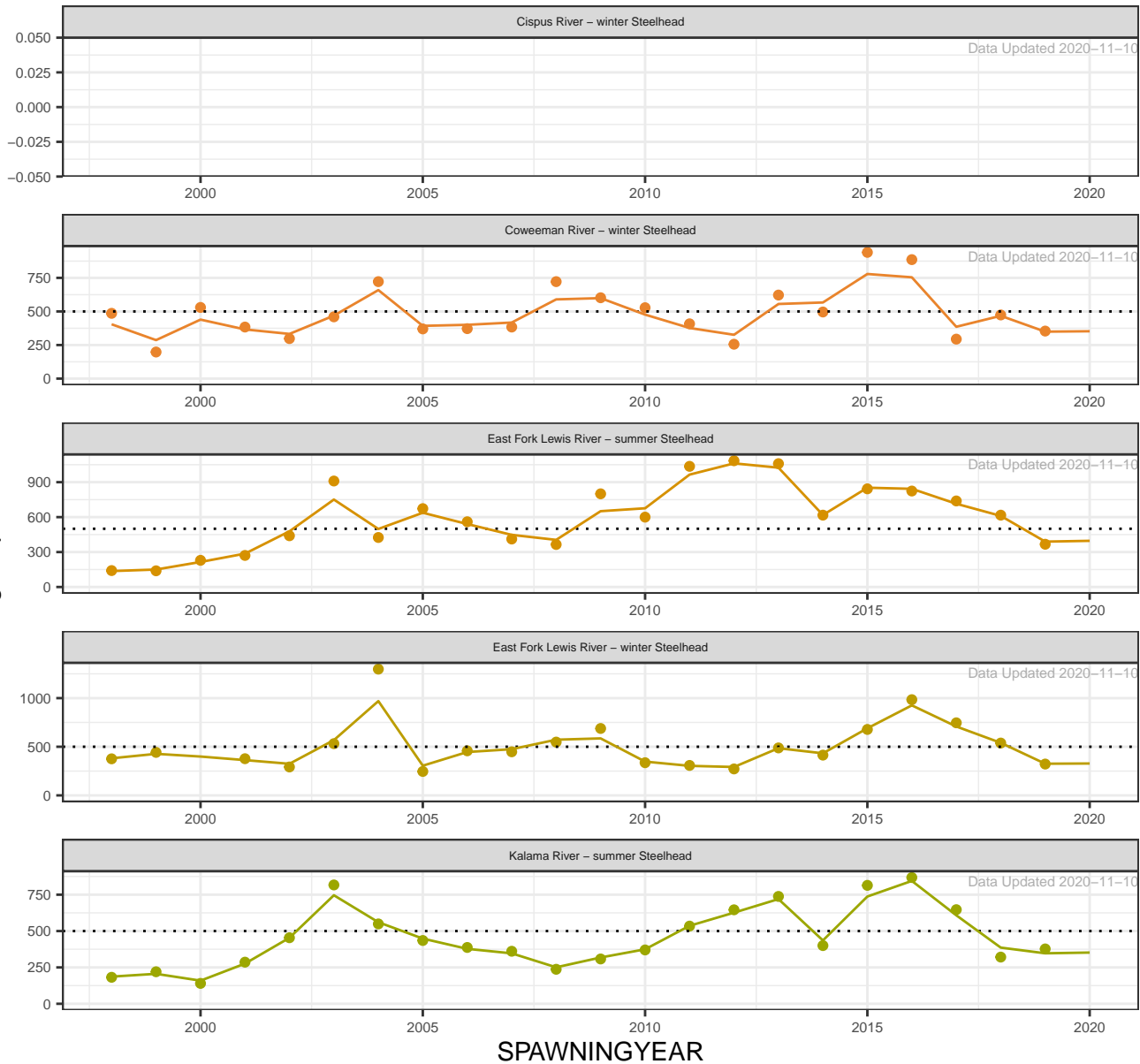
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Lower Columbia River Steelhead DPS



Lower Columbia River Steelhead DPS

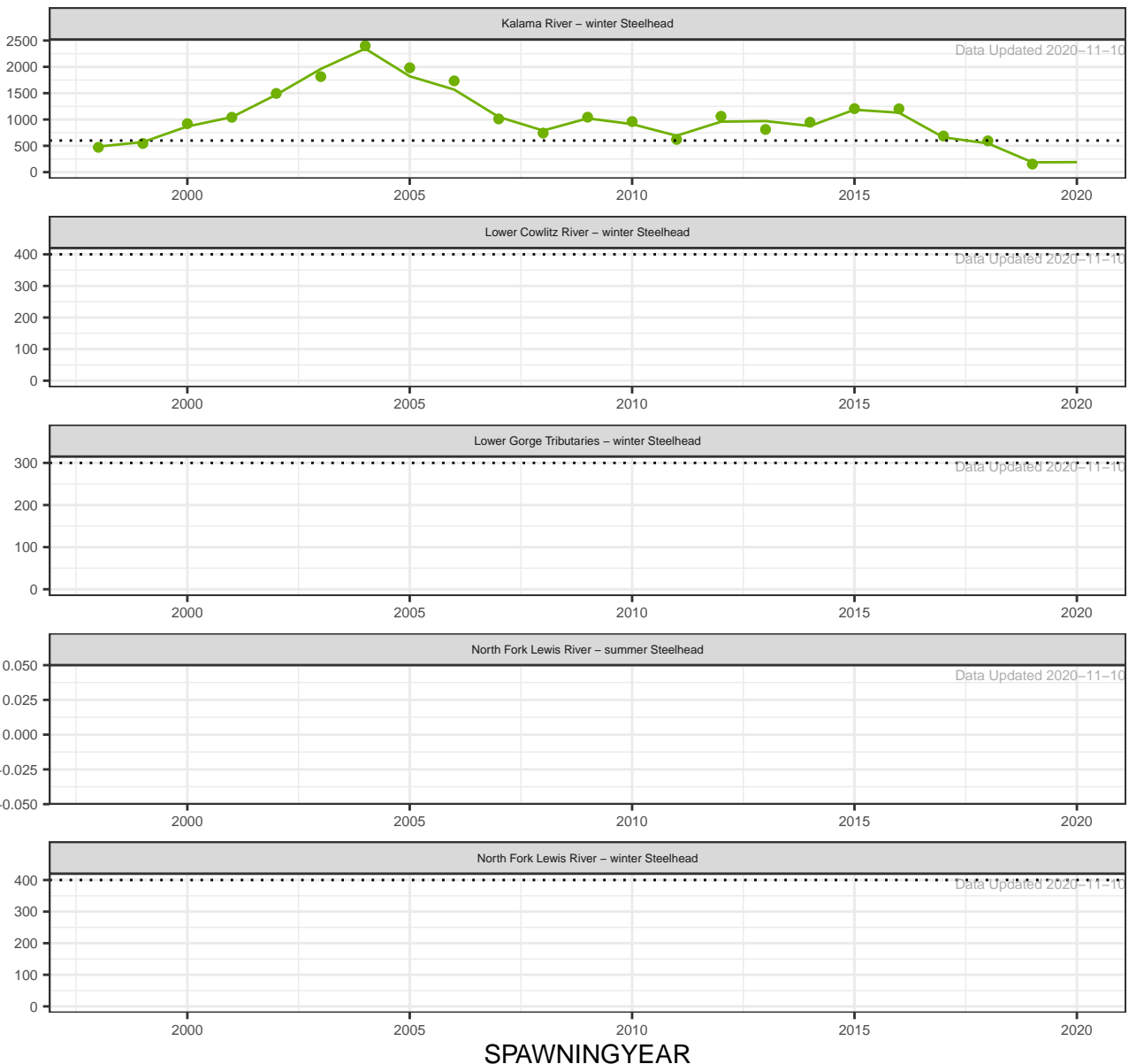
Natural Origin Spawner Abundance



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

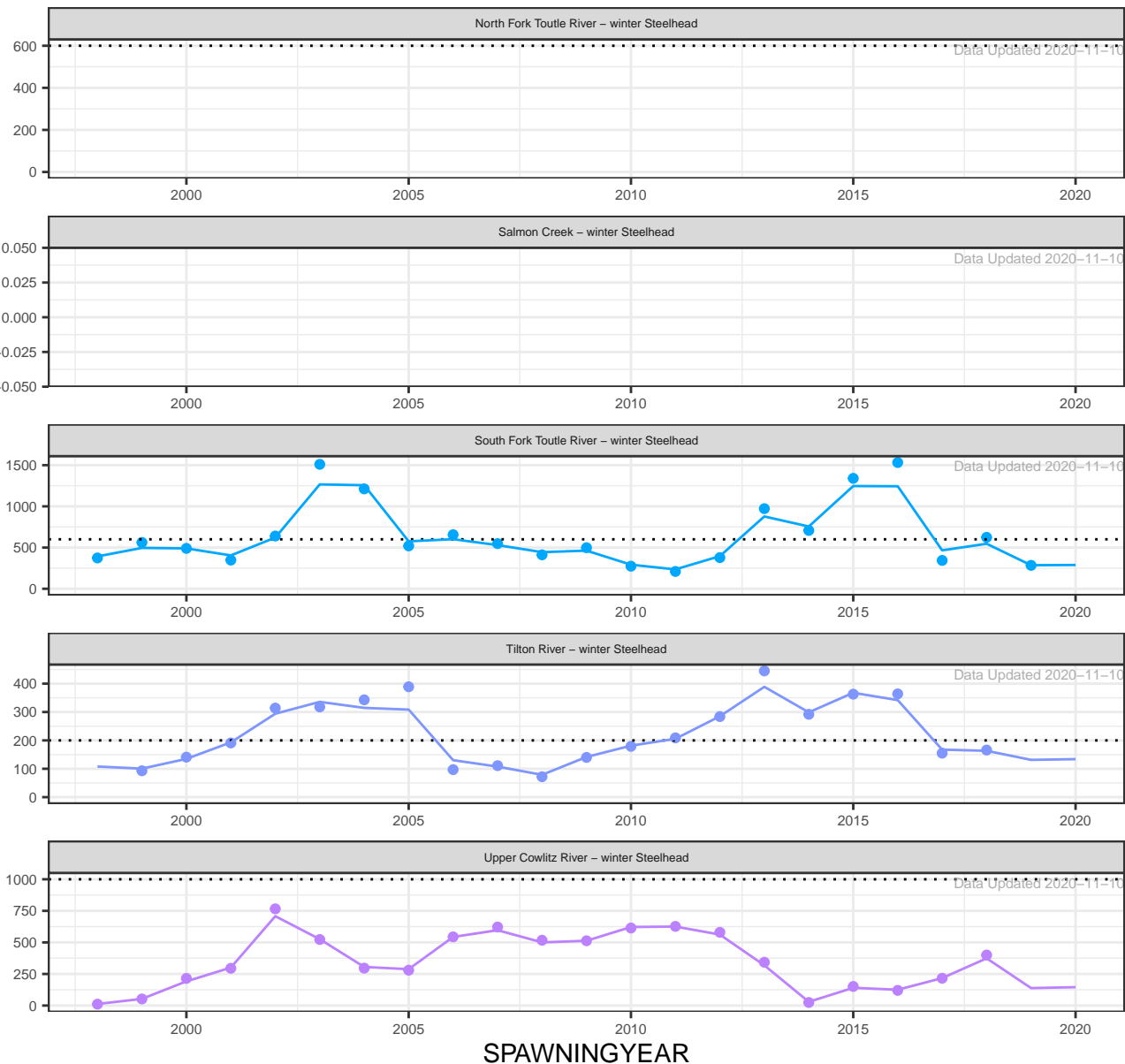
Natural Origin Spawner Abundance



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

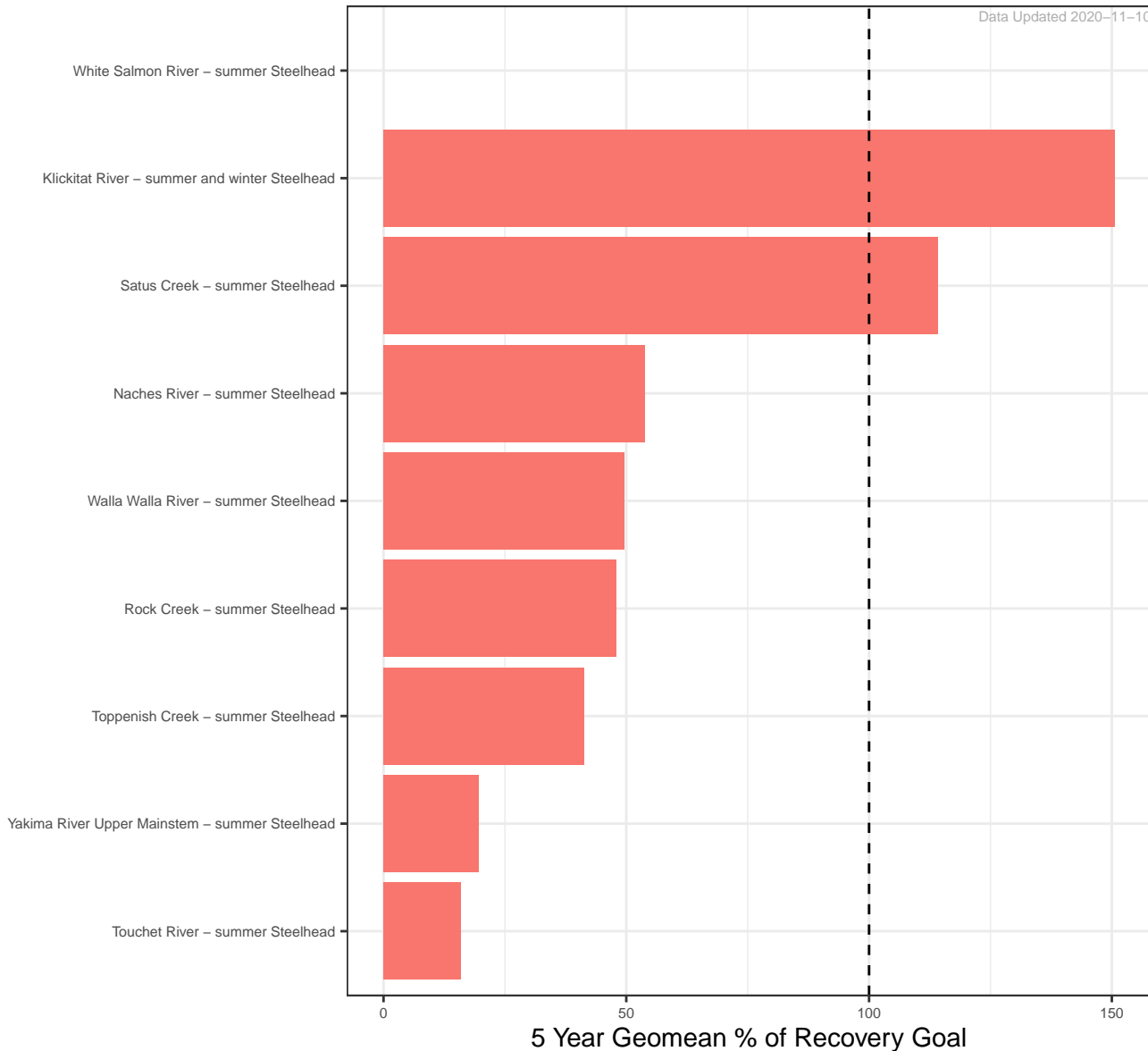


SPAWNING YEAR

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

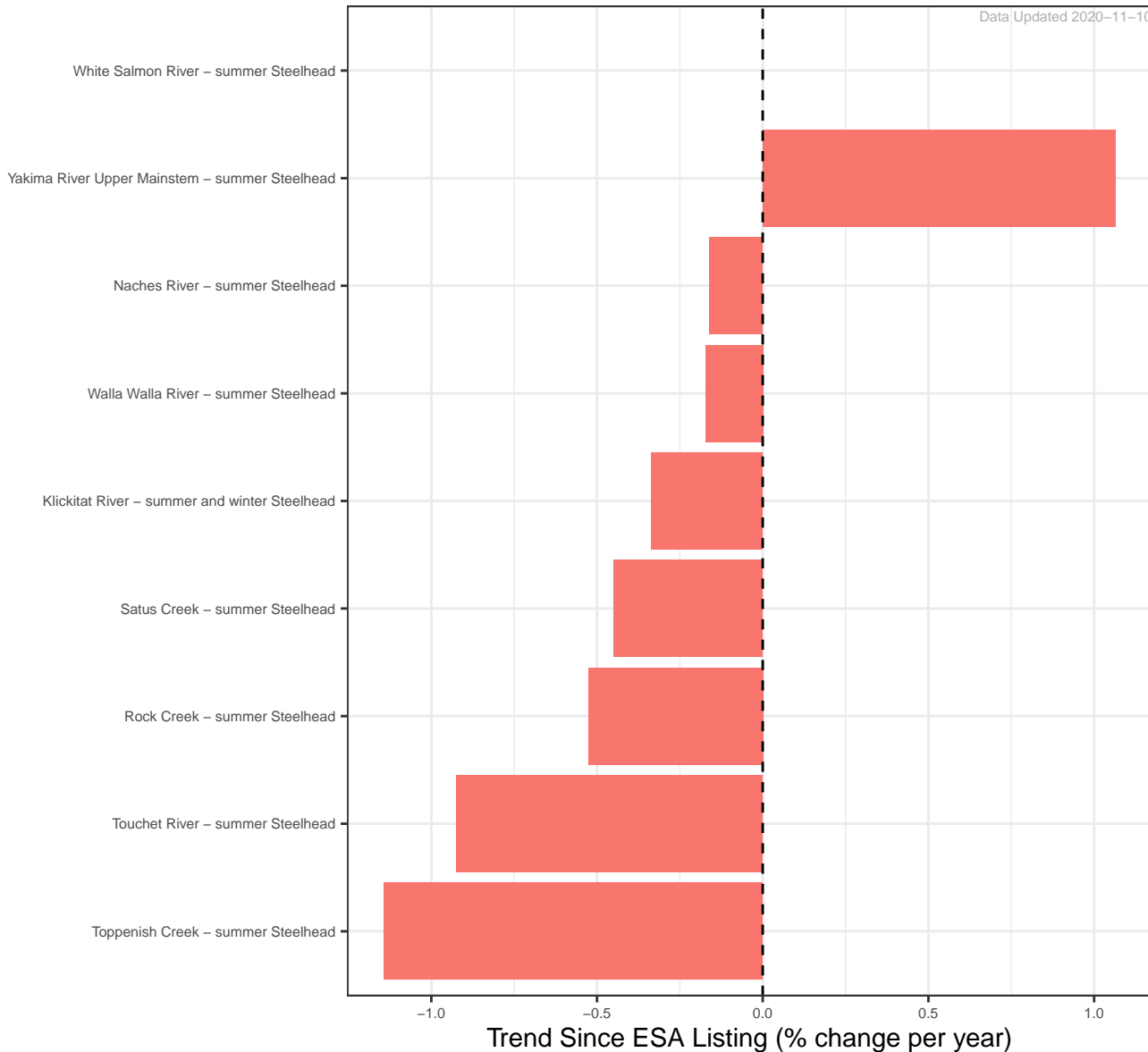
Data Updated 2020-11-10



Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals. Populations with no bars had no usable data.

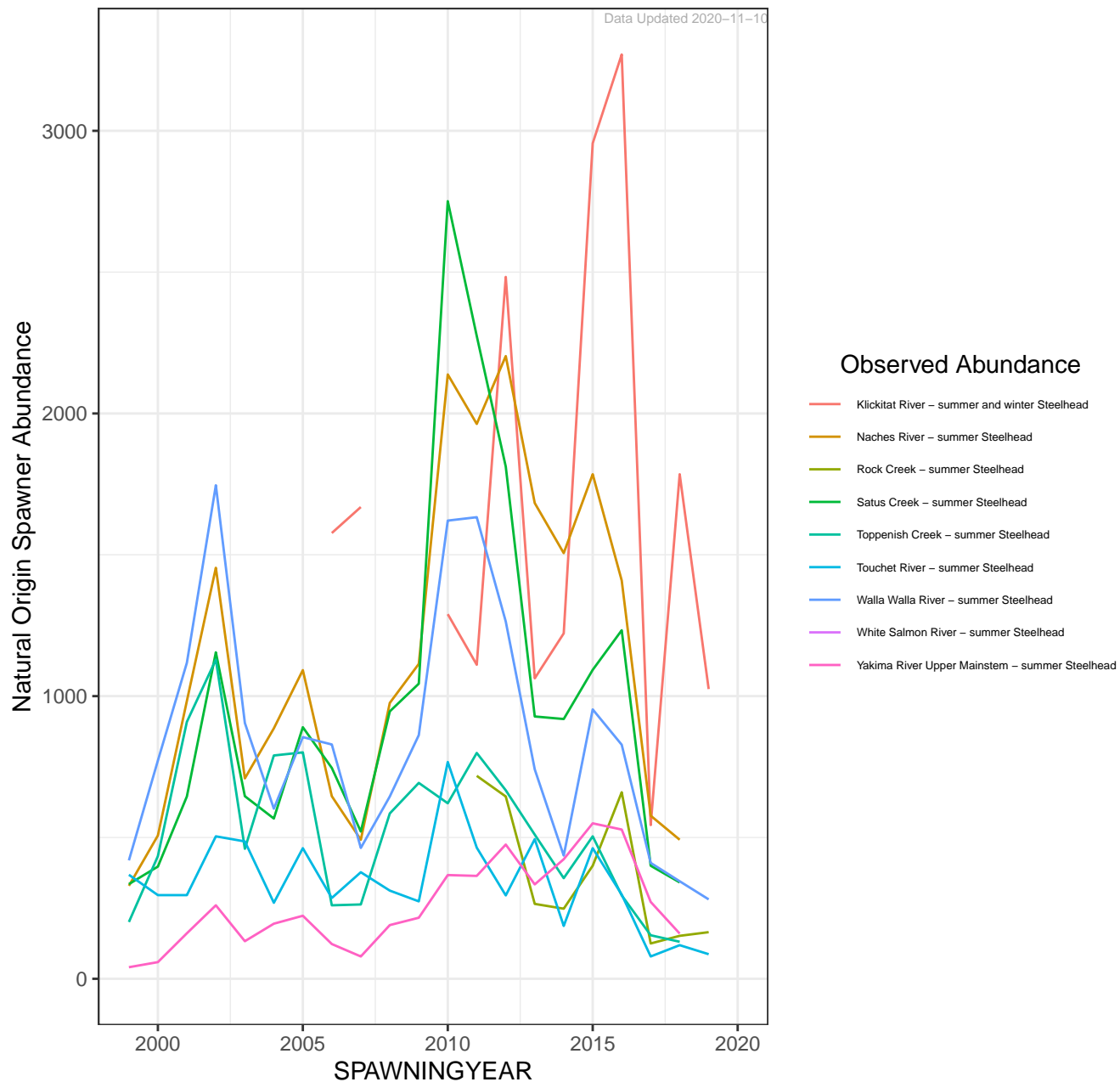
Middle Columbia River Steelhead DPS

Data Updated 2020-11-10



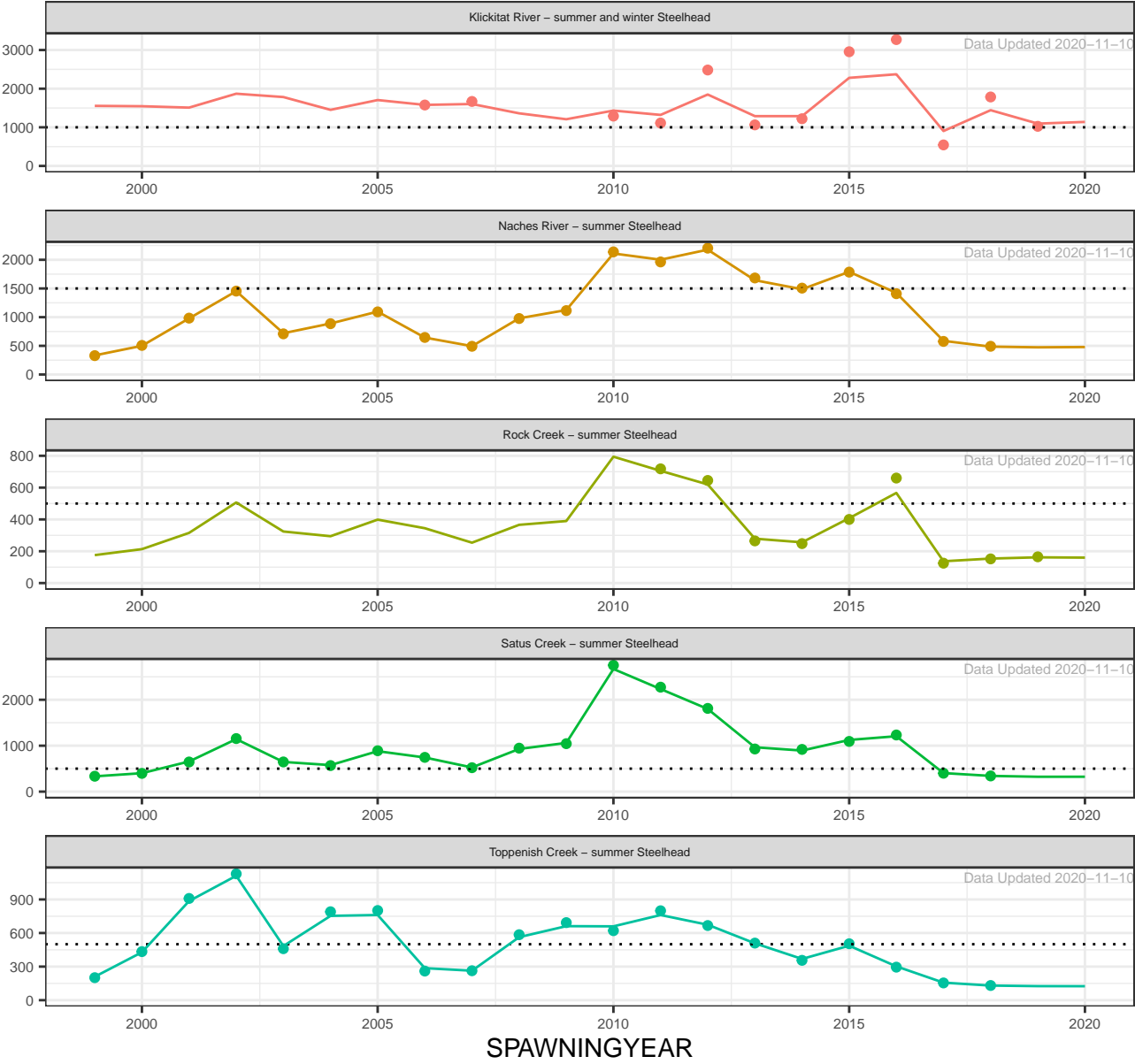
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

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

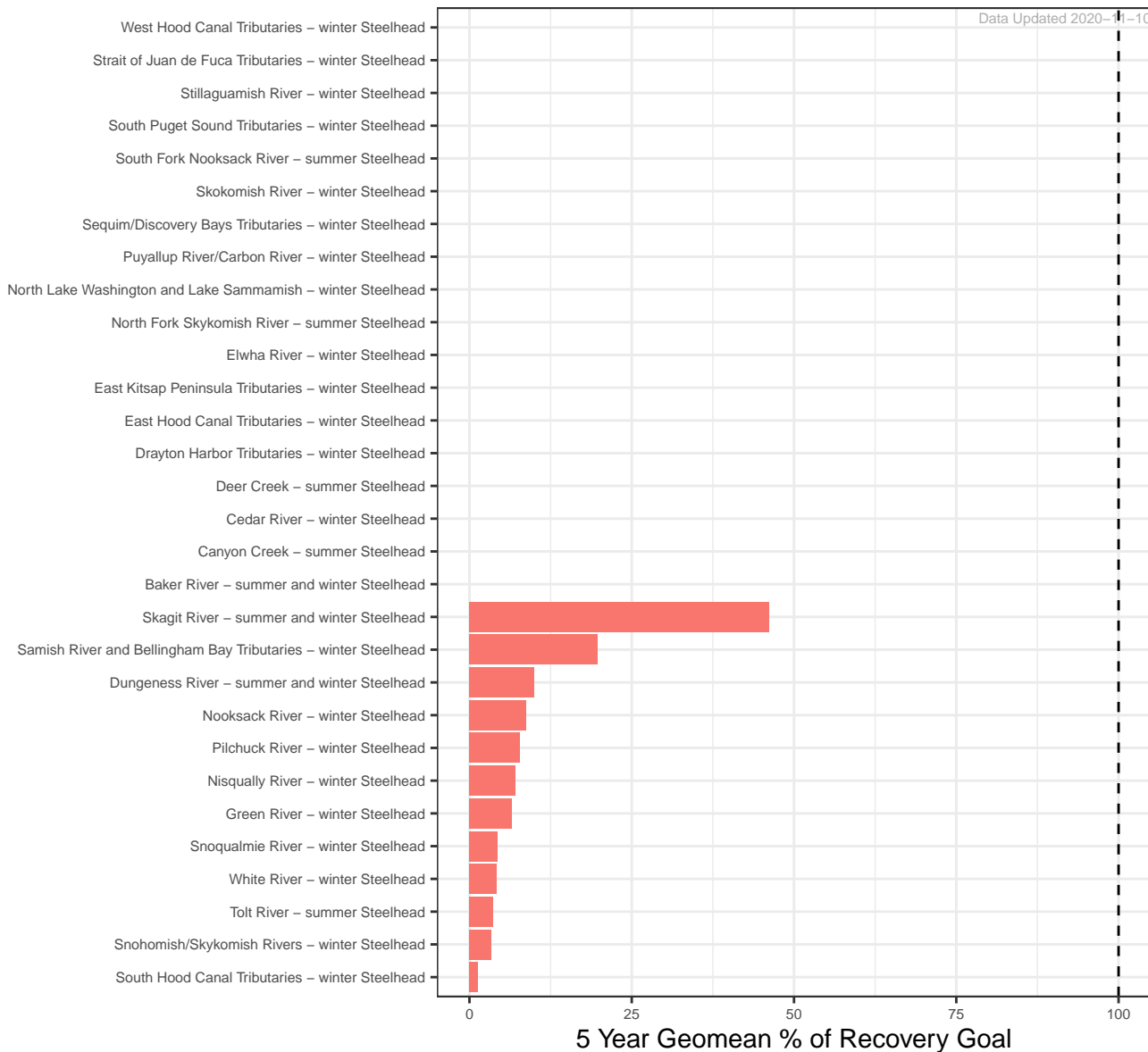
Natural Origin Spawner Abundance



SPAWNING YEAR

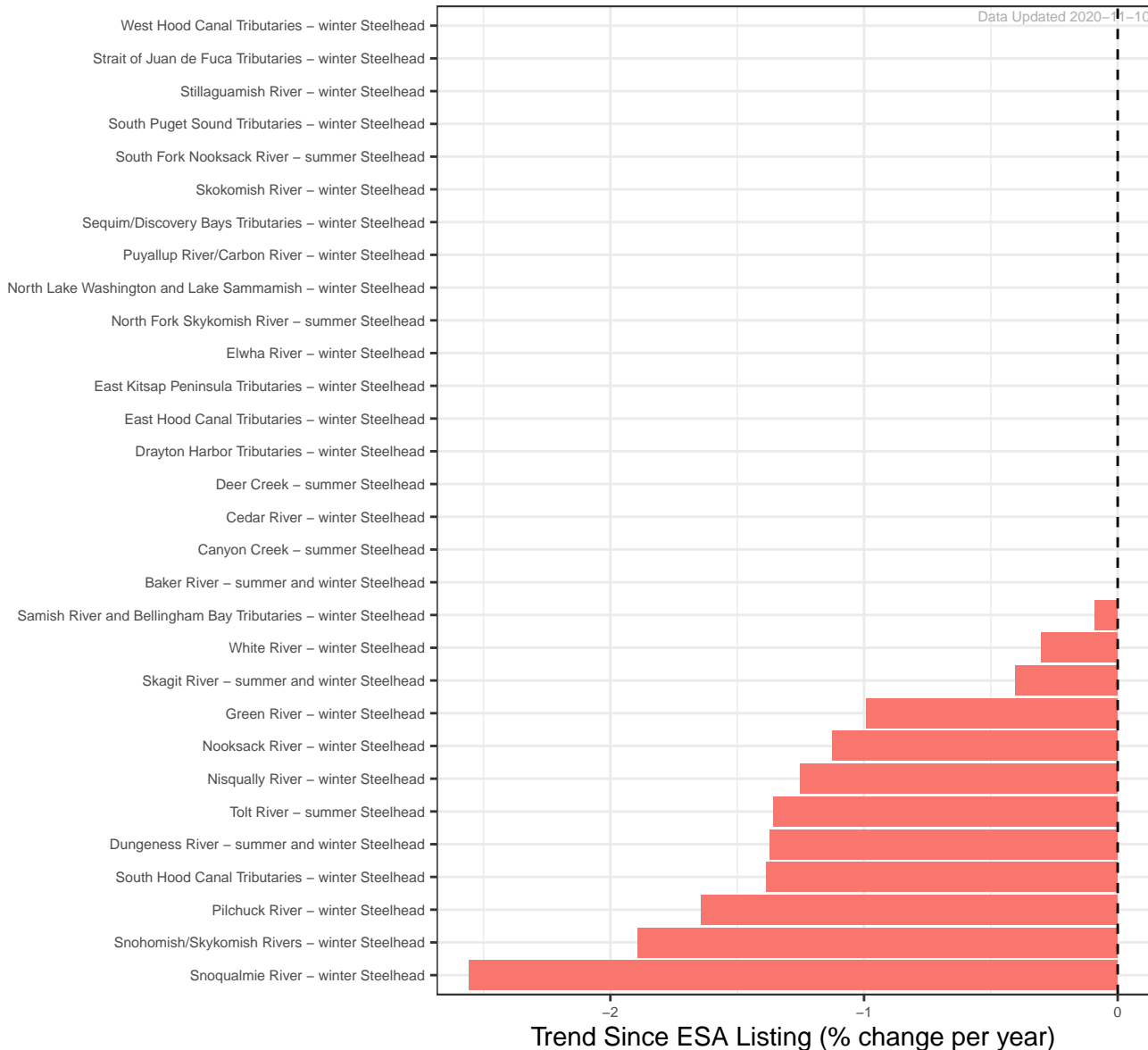
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Puget Sound Steelhead DPS



Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

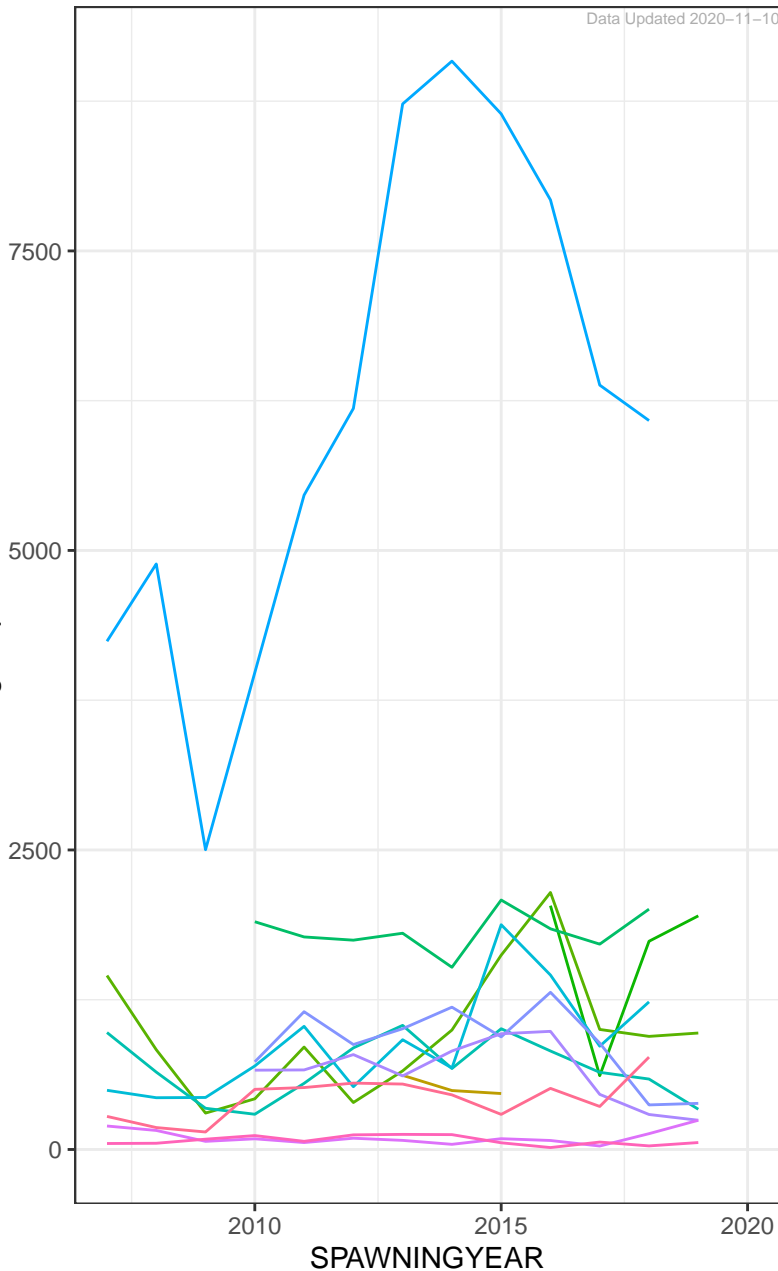
Puget Sound Steelhead DPS



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

Puget Sound Steelhead DPS

Natural Origin Spawner Abundance

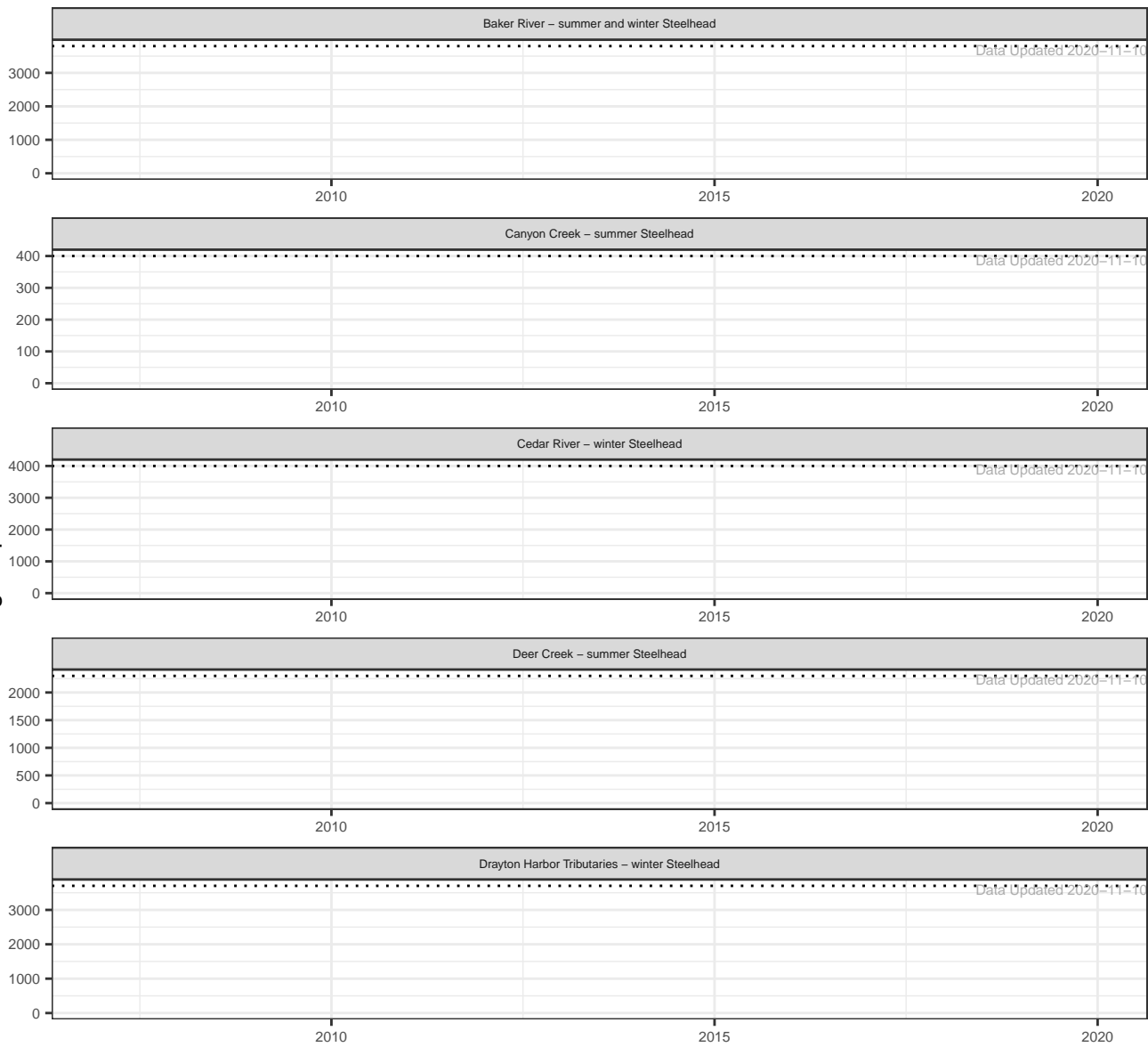


Observed Abundance



Puget Sound Steelhead DPS

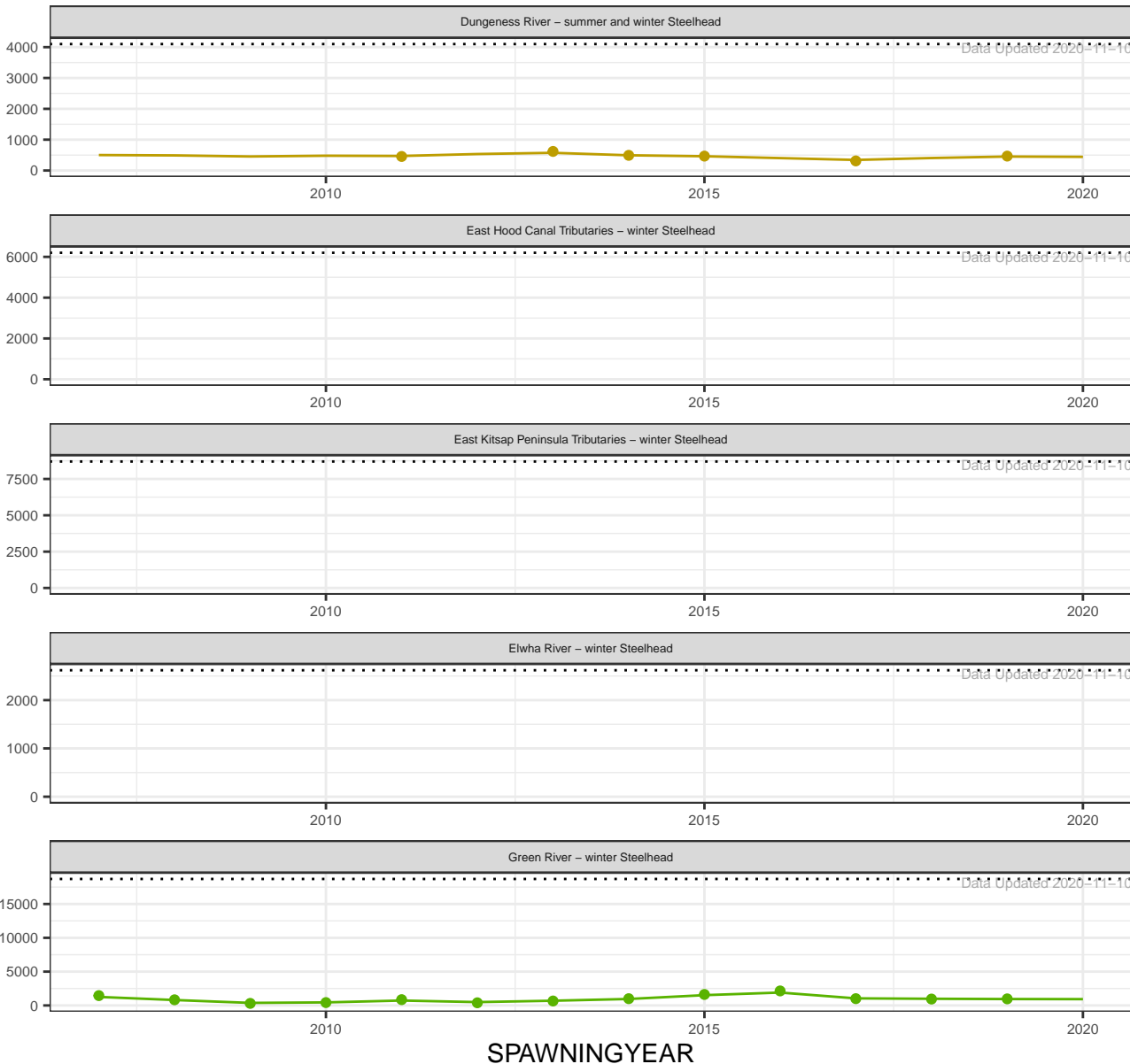
Natural Origin Spawner Abundance



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

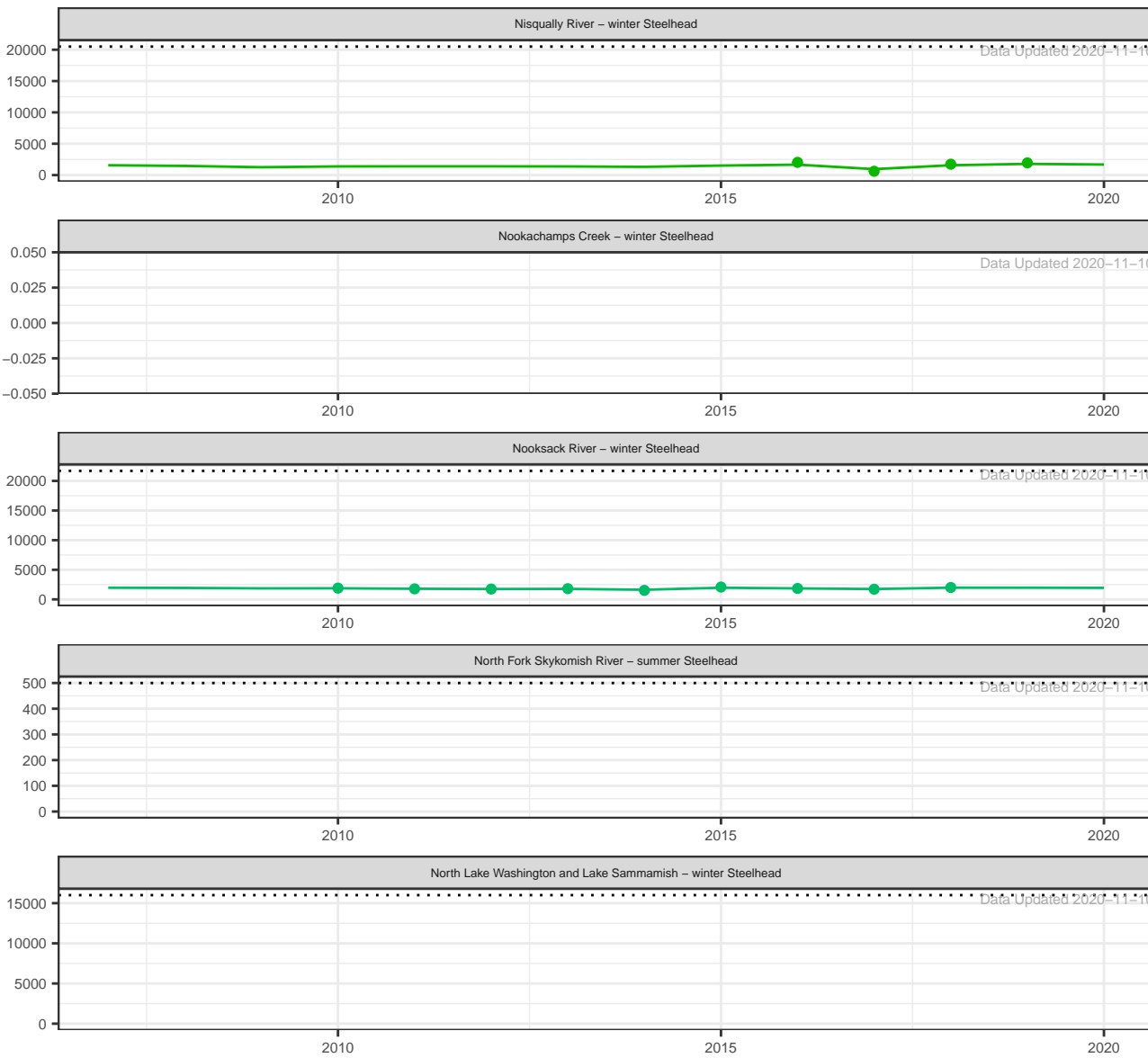
Natural Origin Spawner Abundance



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

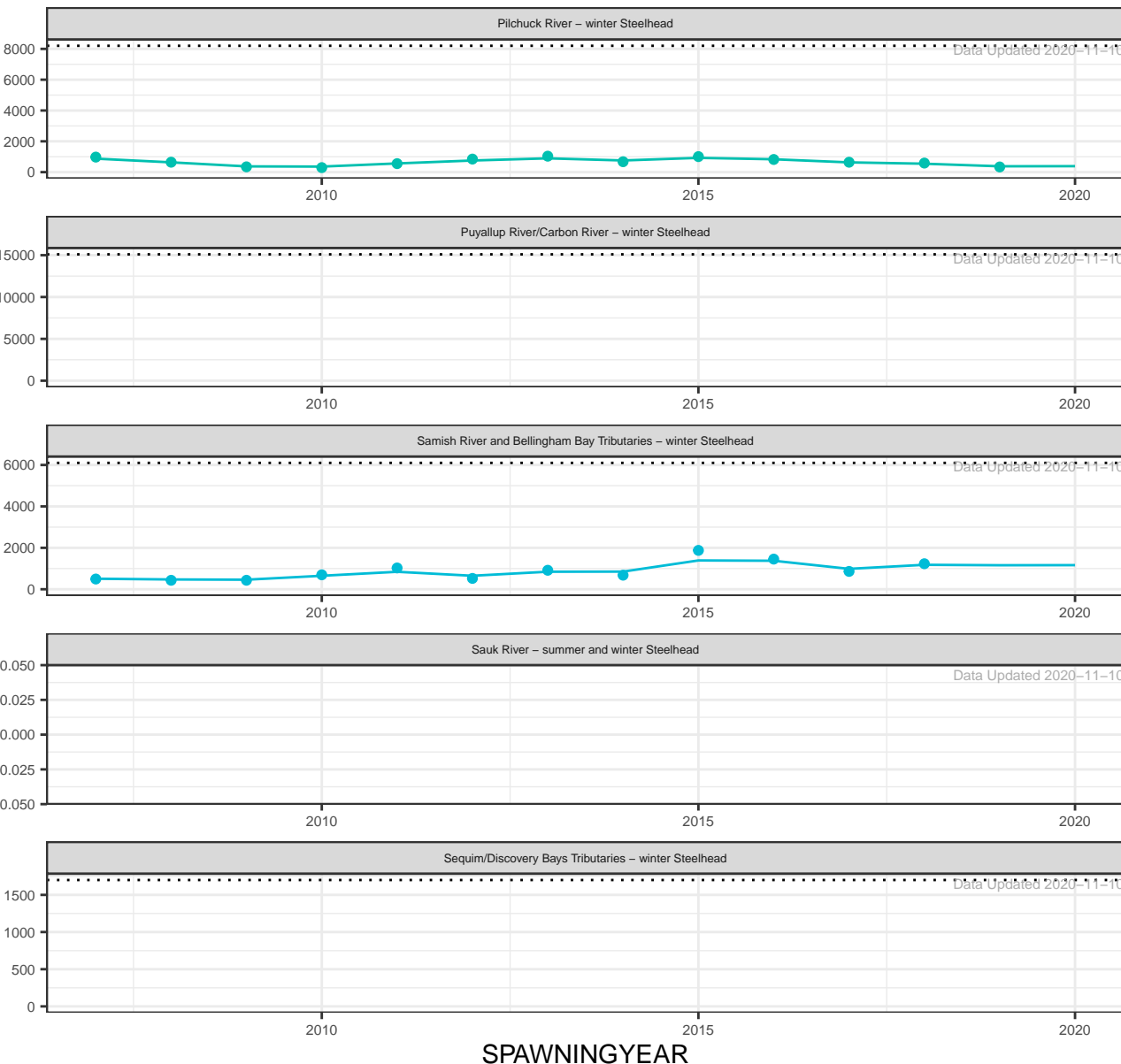
Natural Origin Spawner Abundance



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

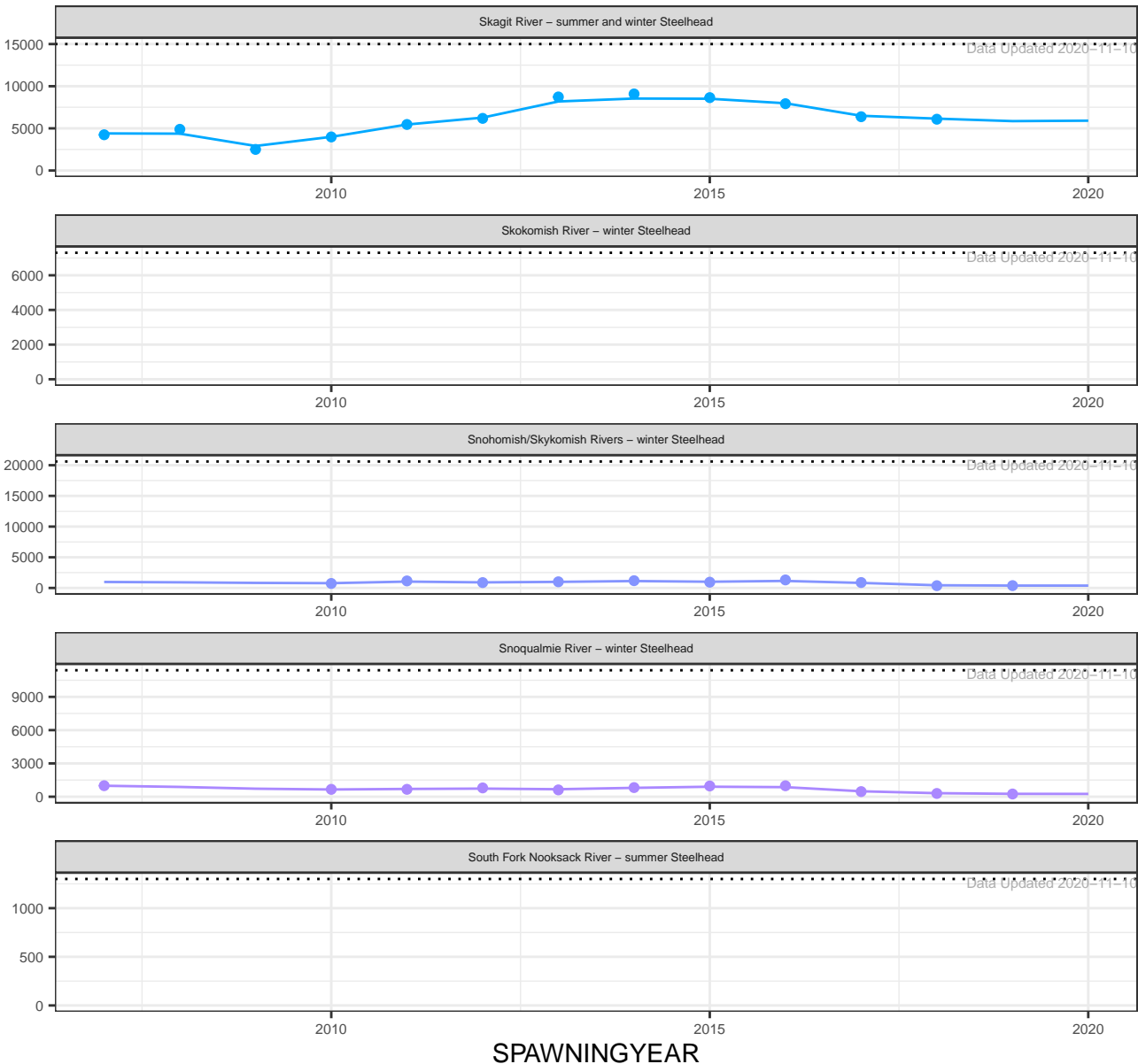
Natural Origin Spawner Abundance



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

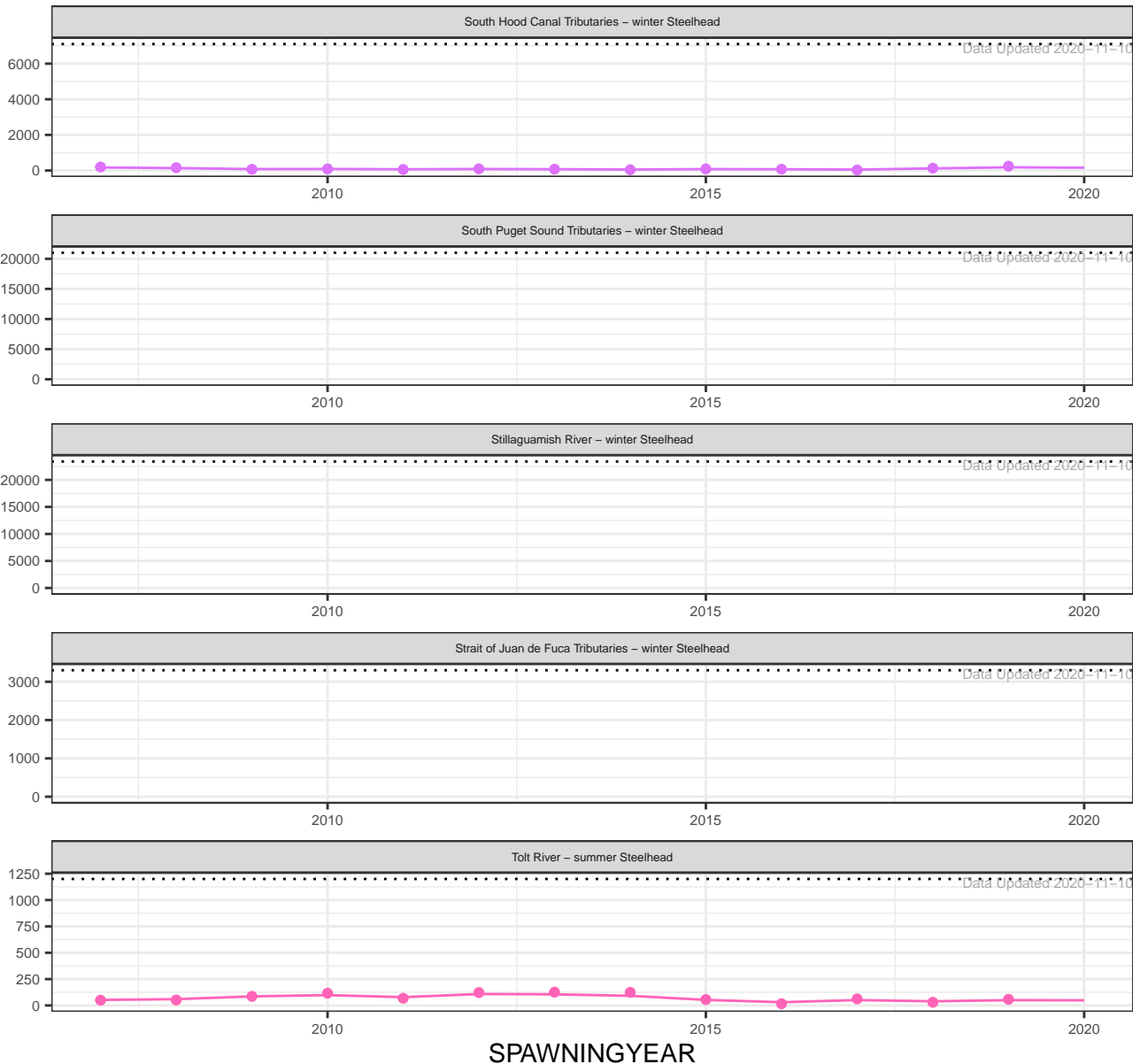
Natural Origin Spawner Abundance



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

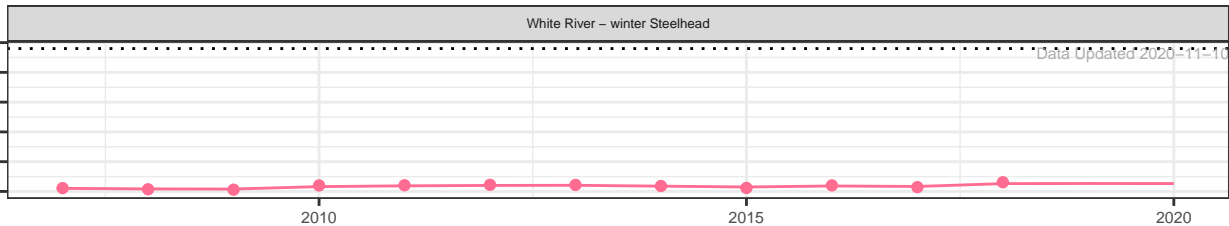
Natural Origin Spawner Abundance



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

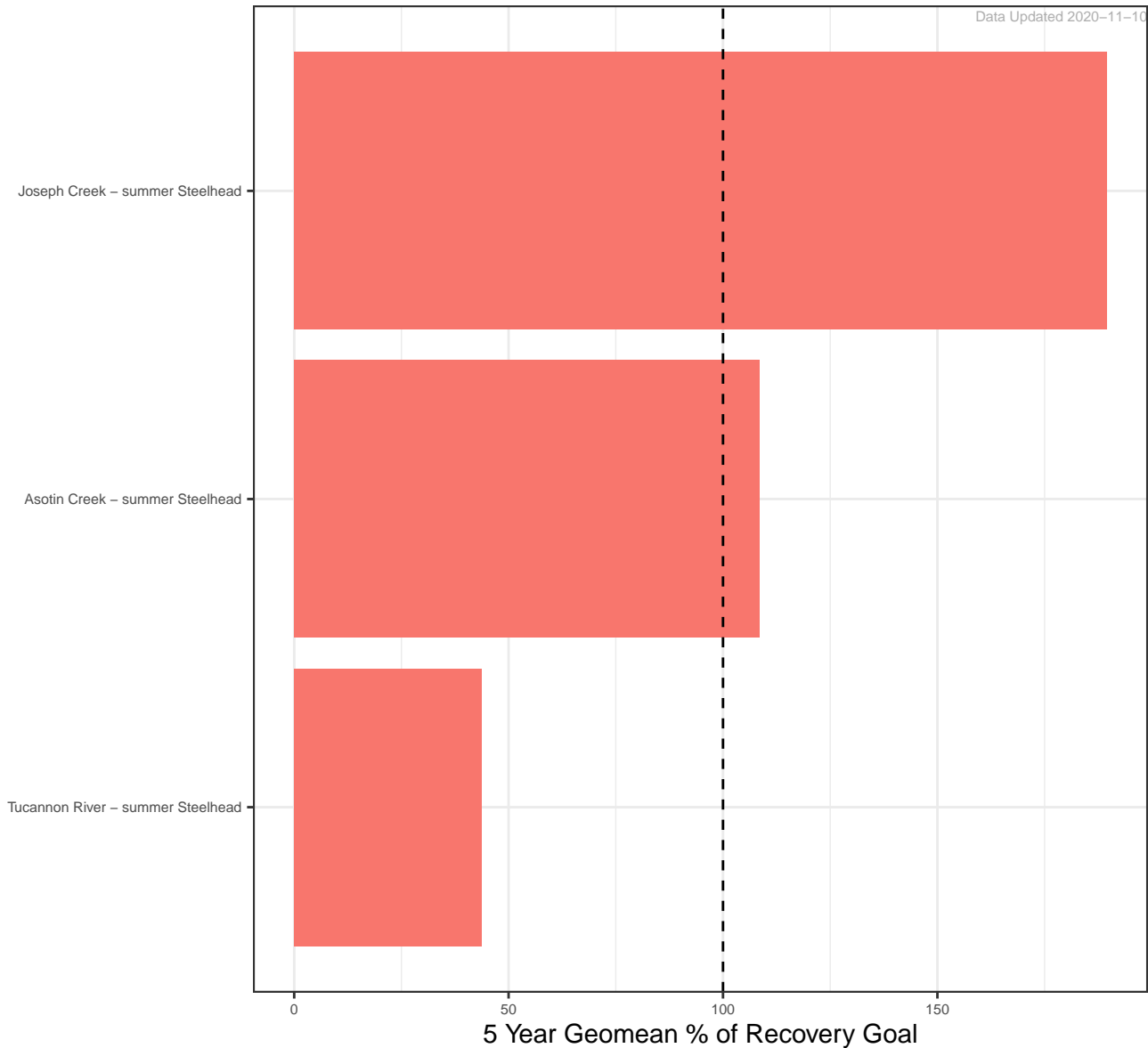
Natural Origin Spawner Abundance



SPAWNINGYEAR

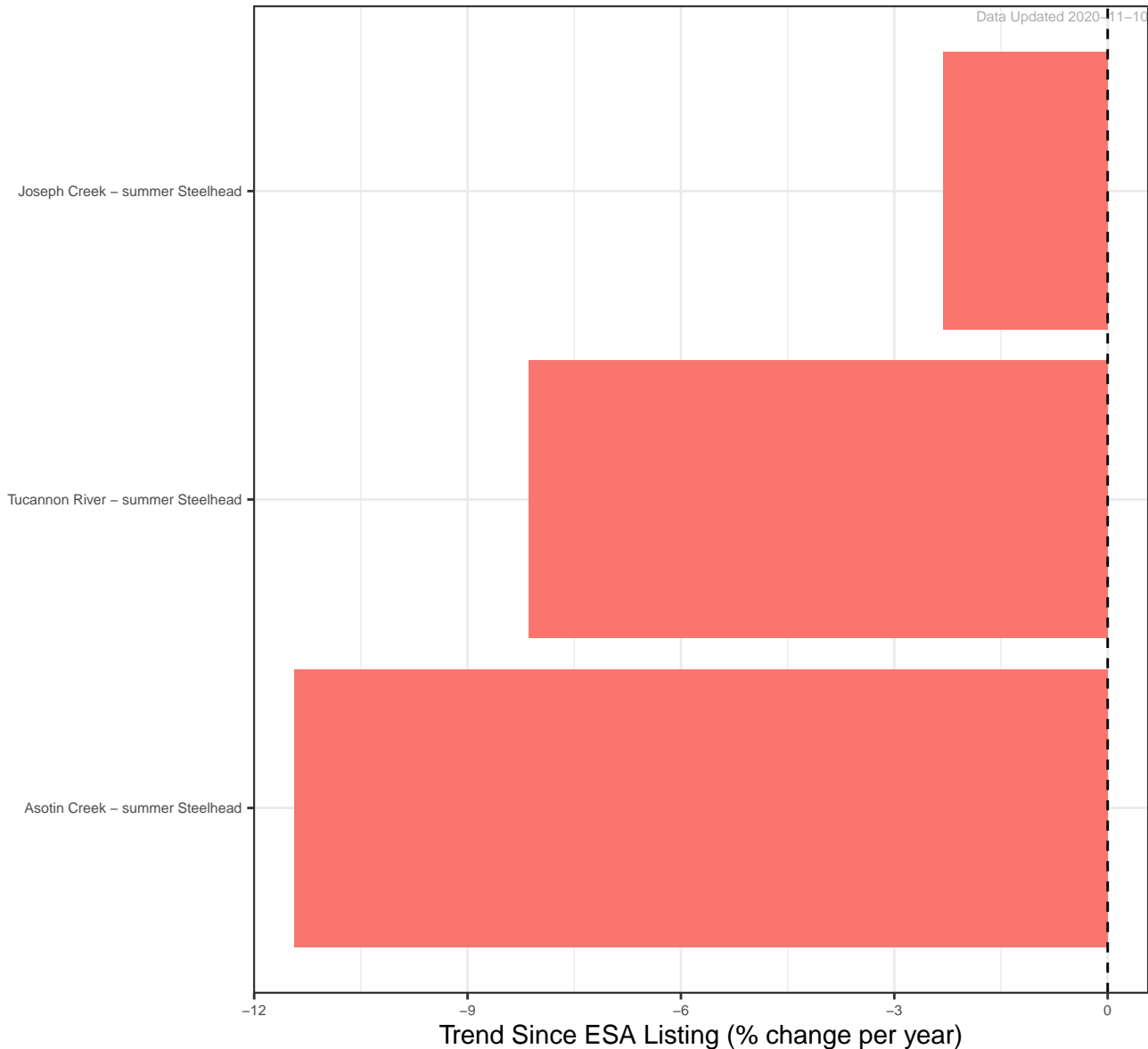
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Snake River Basin Steelhead DPS



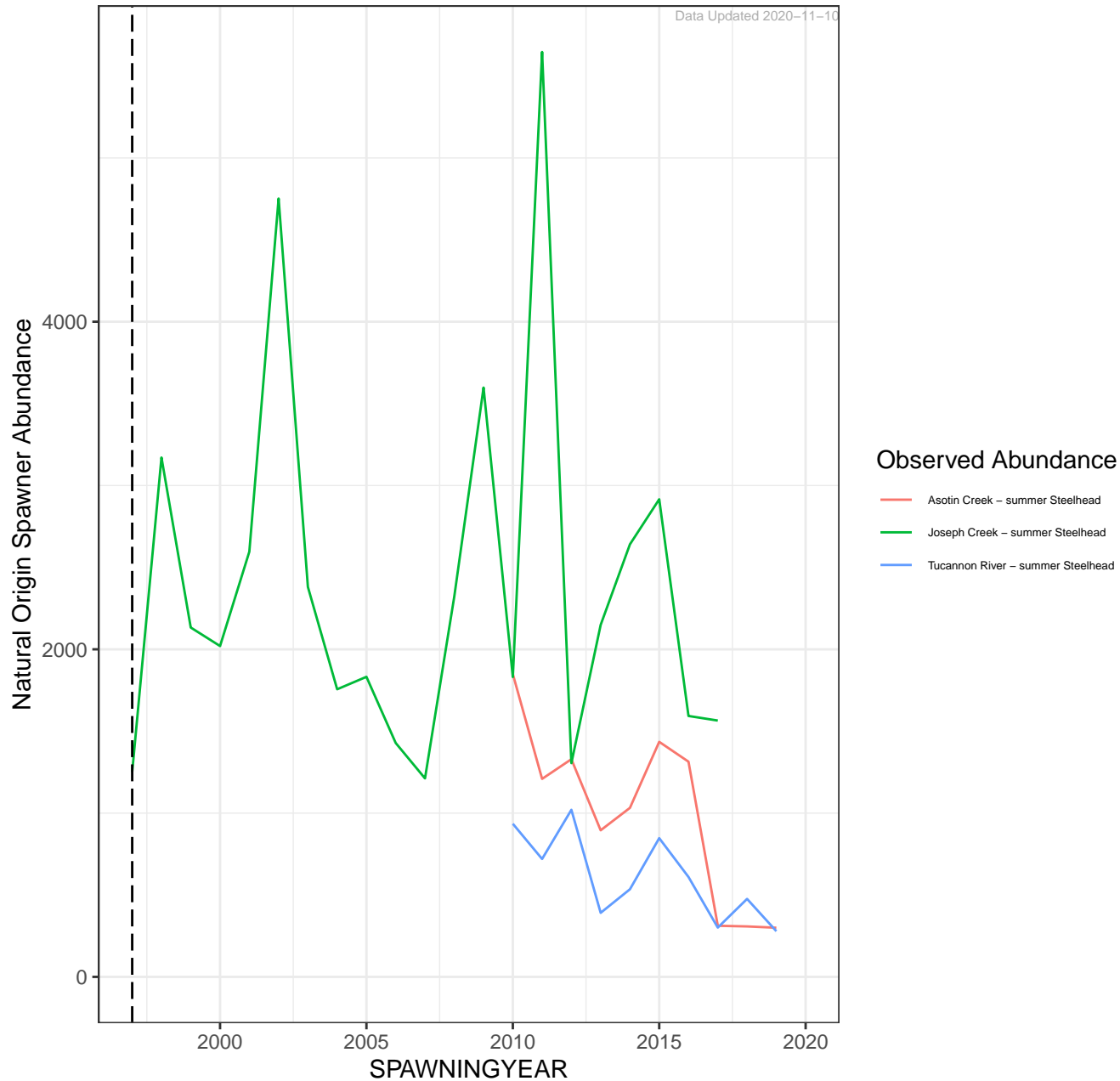
Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Snake River Basin Steelhead DPS

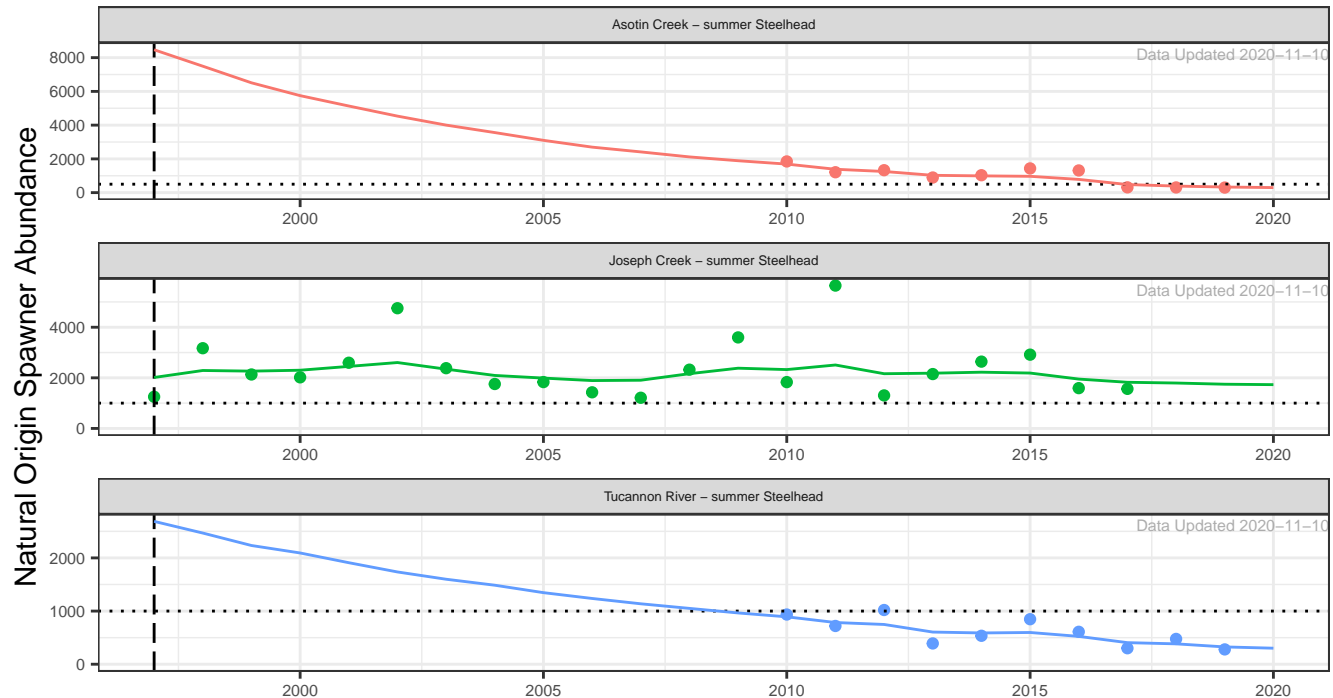


Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Snake River Basin Steelhead DPS



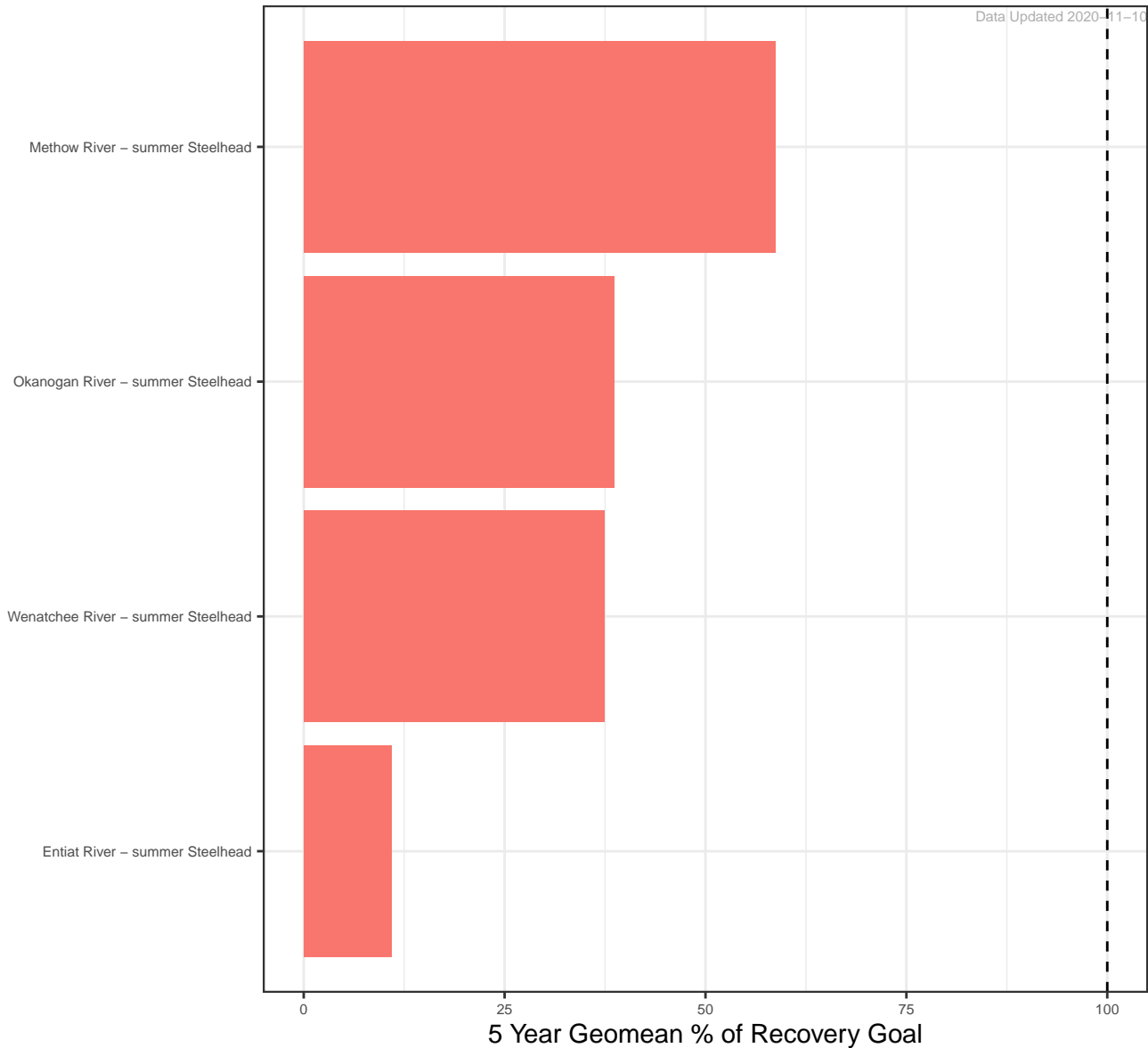
Snake River Basin Steelhead DPS



SPAWNINGYEAR

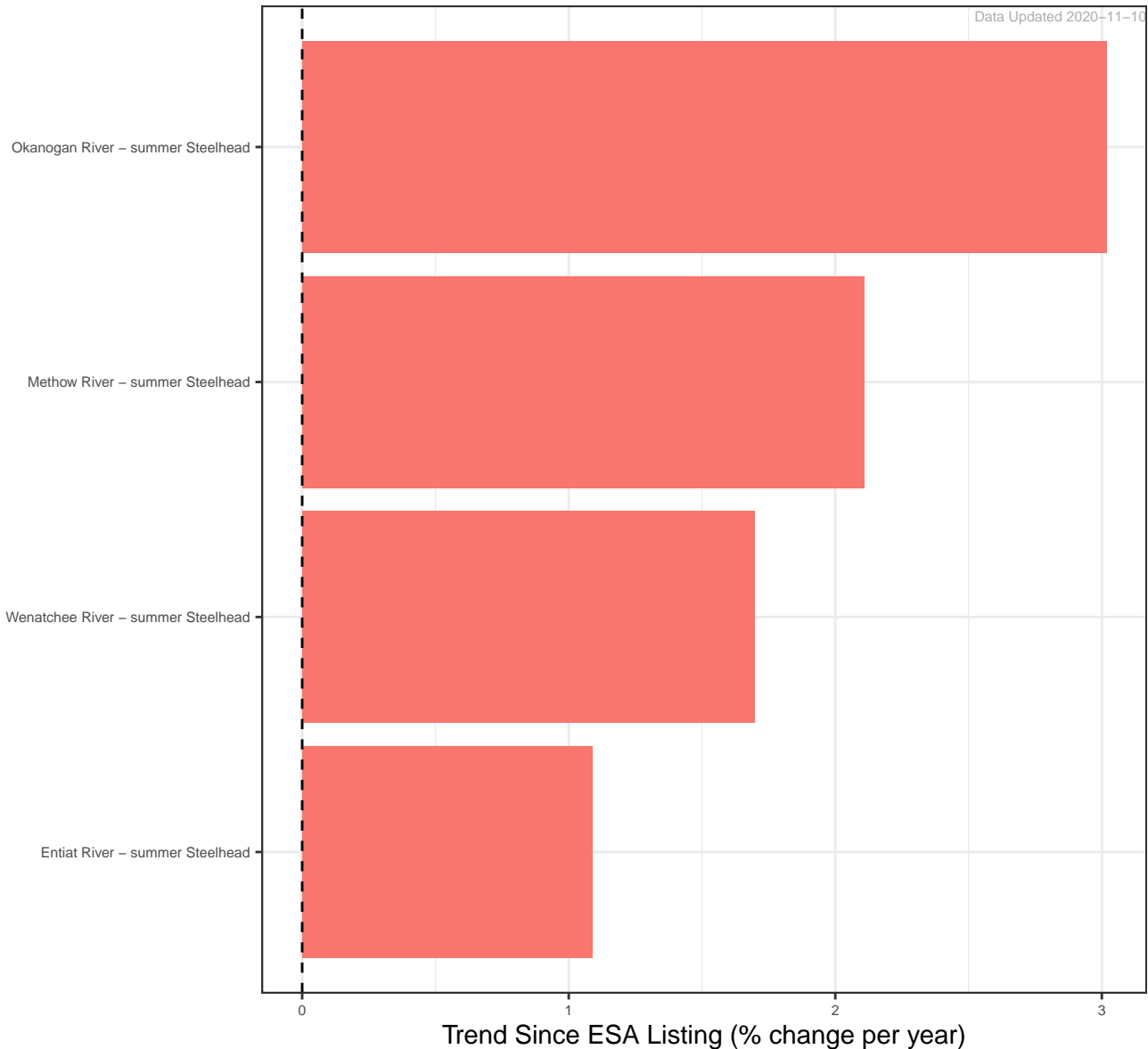
Caption: Observed (points) and smoothed (line) abundance since year of ESA-listing (vertical dashed line). Horizontal dotted line is recovery goal.

Upper Columbia River Steelhead DPS



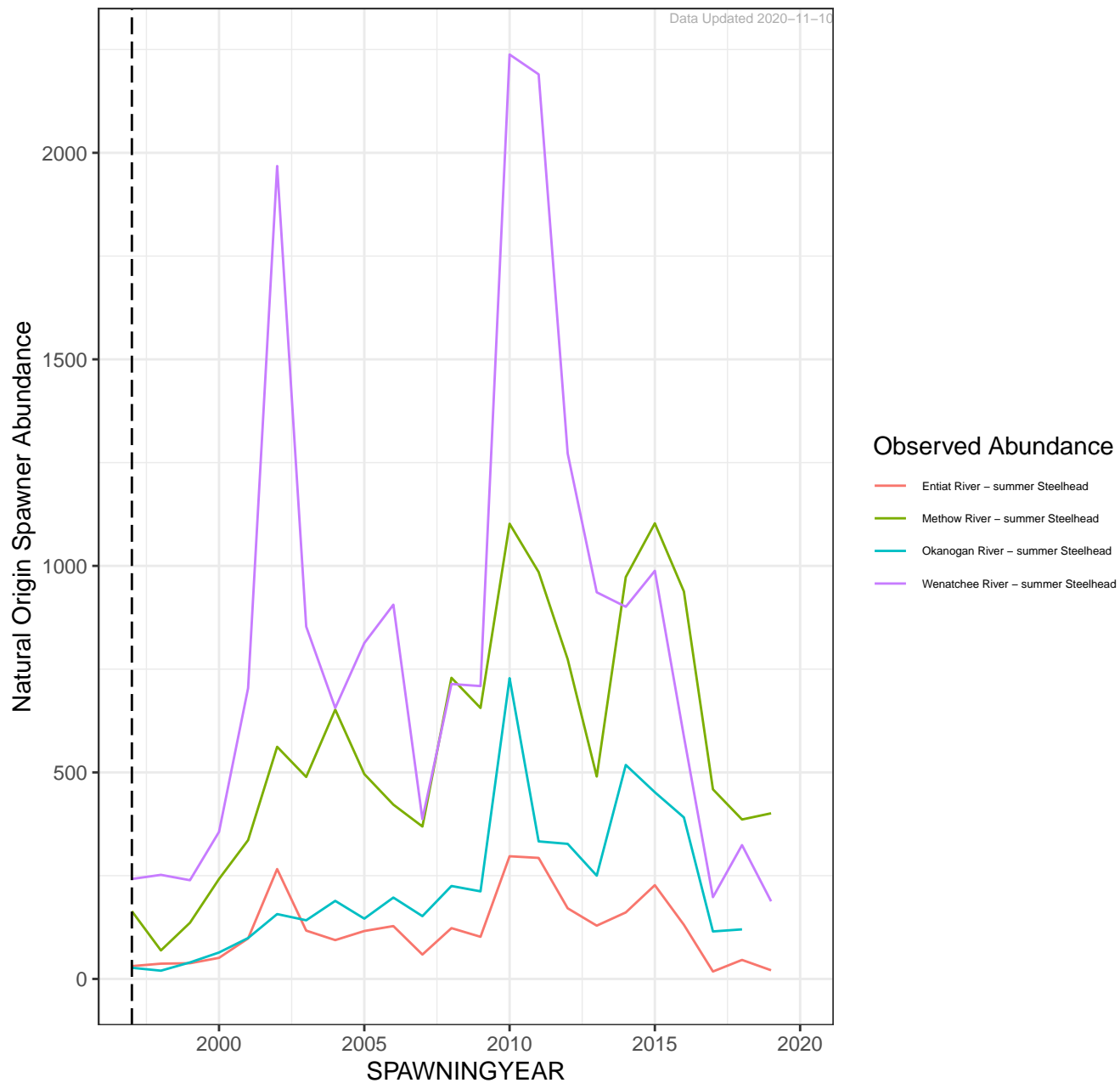
Caption: Five year (2015–2019) geomean smoothed abundance as a percentage of recovery goals.
Populations with no bars had no usable data.

Upper Columbia River Steelhead DPS



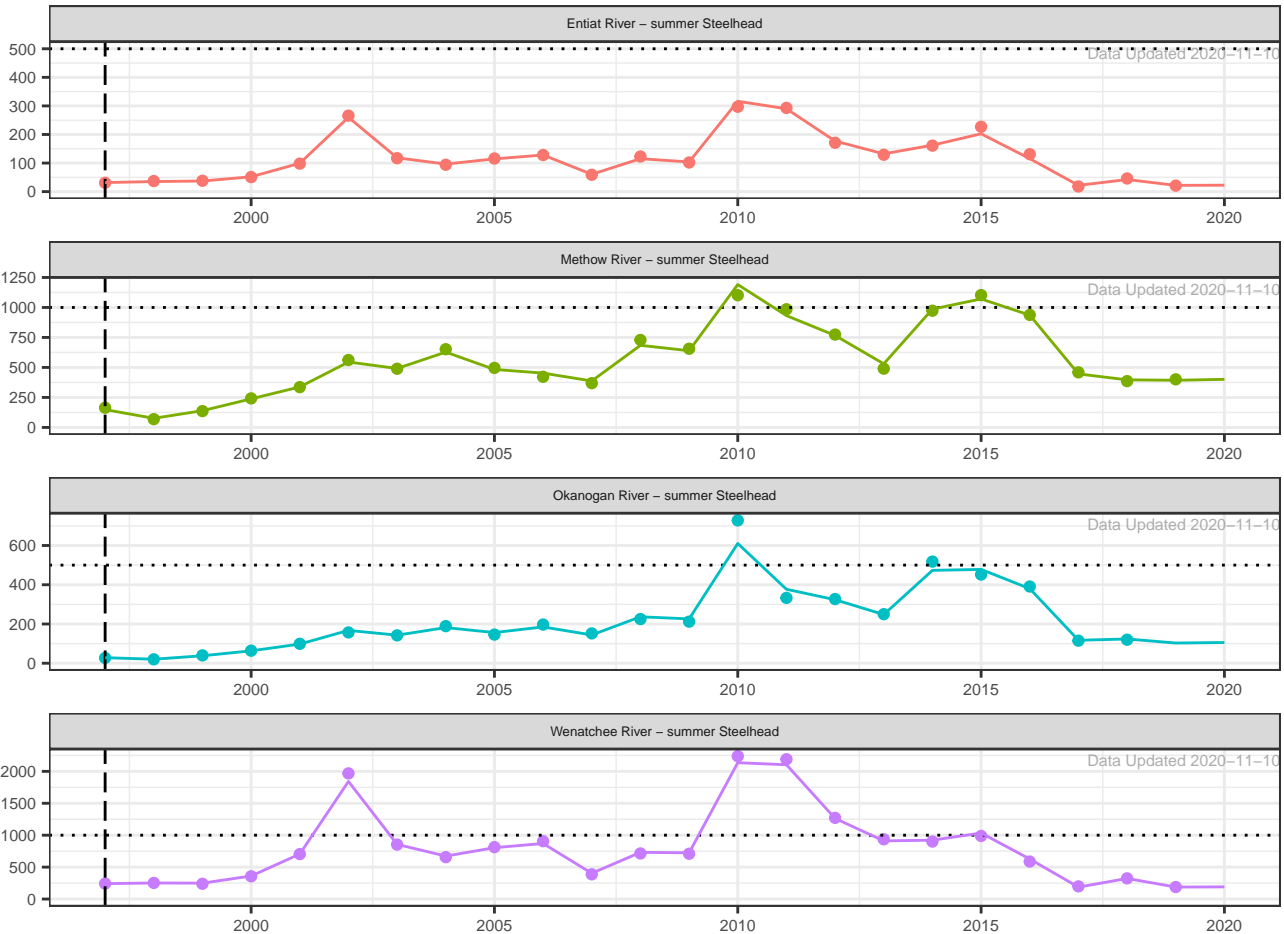
Caption: Trend since ESA-listing (percent change in abundance per year). Populations with no bars had no usable data.

Upper Columbia River Steelhead DPS



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.