

WSDOT Fish Passage Program Update

SENATE TRANSPORTATION COMMITTEE MEETING

Kim Rydholm, P.E., Fish Passage Delivery Manager
December 1, 2023

Roger Millar, Secretary of Transportation

Amy Scarton, Deputy Secretary of Transportation

Requirements and
Numbers–
**Projects, habitat,
and priorities**

Injunction Requirements

2013 List Significant* Gain Barriers

- Open 90% blocked habitat by 2030
- Open remaining 10% deferred habitat at the end of the structure's useful life or as part of another project

2013 List Limited Gain Barriers**

- Correct at the end of the structure's useful life or as part of another project

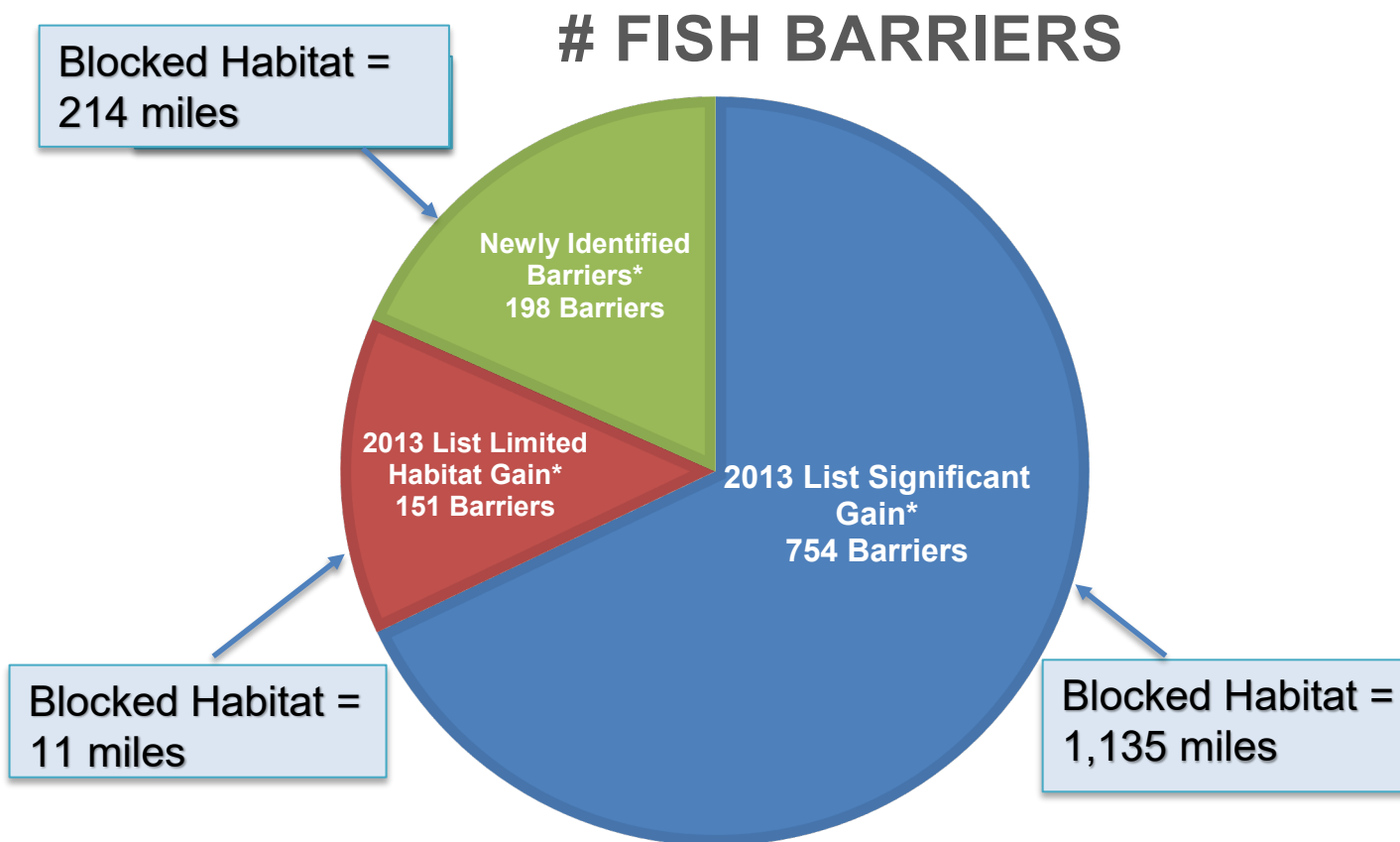
Newly Identified Barriers - those identified after the 2013 List was developed

- Correct within a reasonable period of time

*Significant means a barrier has 200 or more meters of upstream habitat.

**Limited means a barrier with less than 200 meters of upstream habitat.

Injunction Numbers*



*Total barrier numbers and habitat are as of June 2023. 114 of these barriers have been corrected opening 502 miles of this habitat.

We organized our plan as follows:

1) 2030 Delivery Plan:

This plan restores access to 90% blocked habitat of 2013 significant gain barriers by 2030 and corrects some high value newly identified barriers.

2) Beyond 2030 Delivery Plan (to be developed):

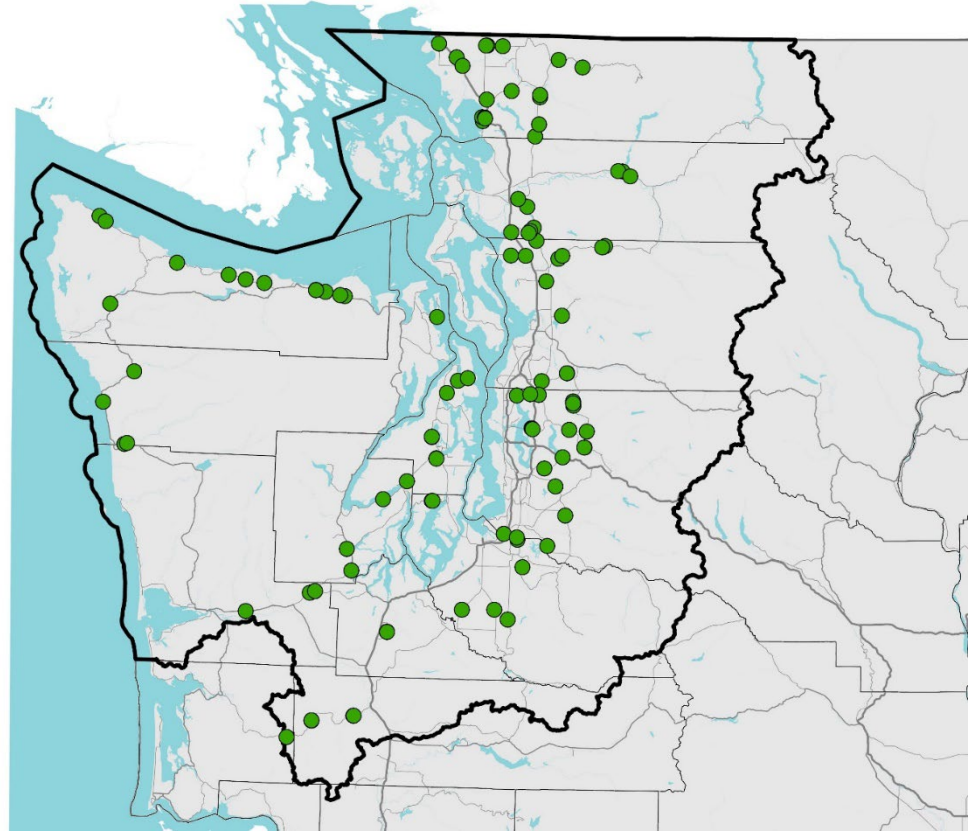
This plan will restore access to 10% deferred blocked habitat of 2013 significant gain barriers, the limited gain barriers, and the remaining newly identified barriers.

Where we began –
**WSDOT has made a lot
of progress**

114
injunction barriers
CORRECTED



502
miles of habitat access
IMPROVED



● Corrected Injunction Barriers (114)

as of June 2023



Remaining 2030 Delivery Plan Barrier Corrections

These restore access to 90% of blocked habitat of significant gain barriers by 2030 and correct some high value newly identified barriers.

313 Barriers from the 2013 Significant Gain Habitat List

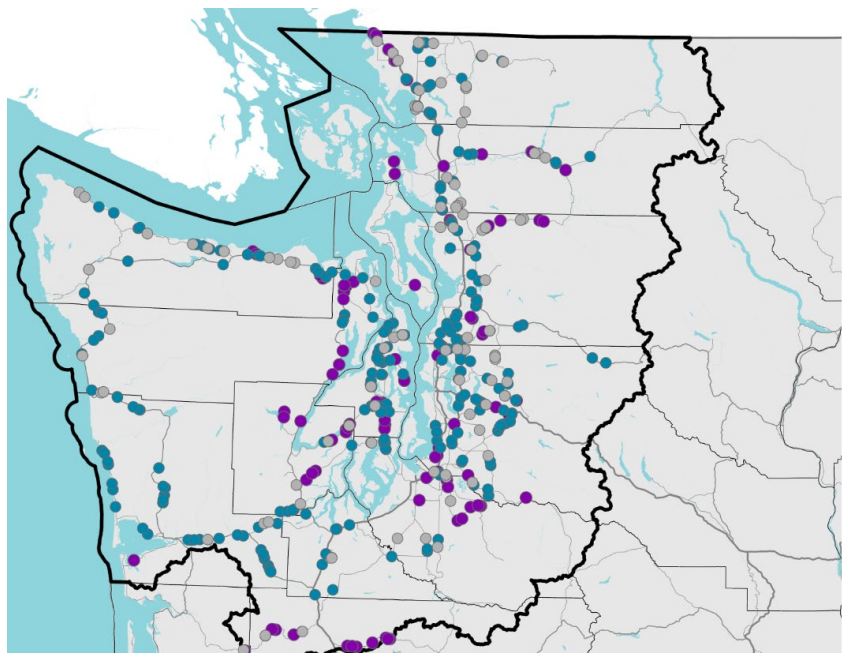
24 Barriers from the 2013 Limited Gain Habitat List

74 Barriers from the Newly Identified Barriers List

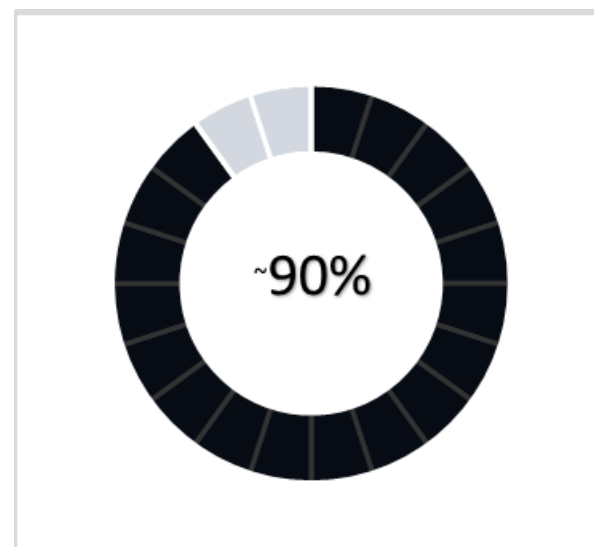
Notes:

- All culvert numbers are approx. and are subject to change
- This does not include the 114 barriers corrected as of June 2023

The projects getting under construction contract are adding to the percent habitat opened



- Corrected Injunction Barriers (114)
- Under Construction Contract by December 2024 (298)
- Remaining 2030 Delivery Plan Design Starts (112)



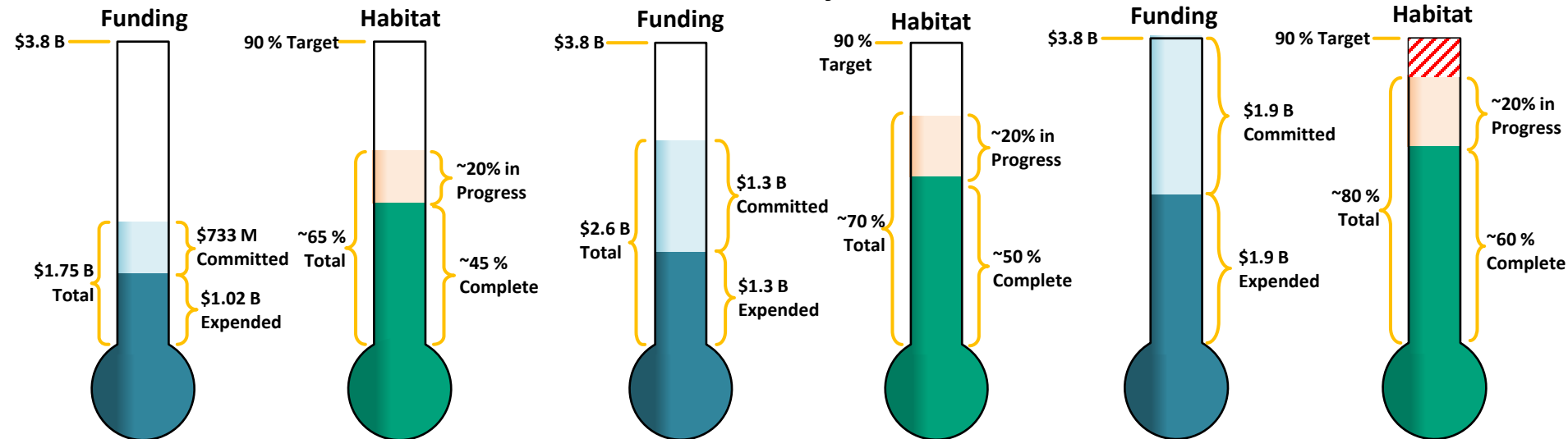
This plan is aggressive, and requires a careful combination of planned elements for delivery

Fish passage delivery is accelerating quickly!

October 2023

January 2024

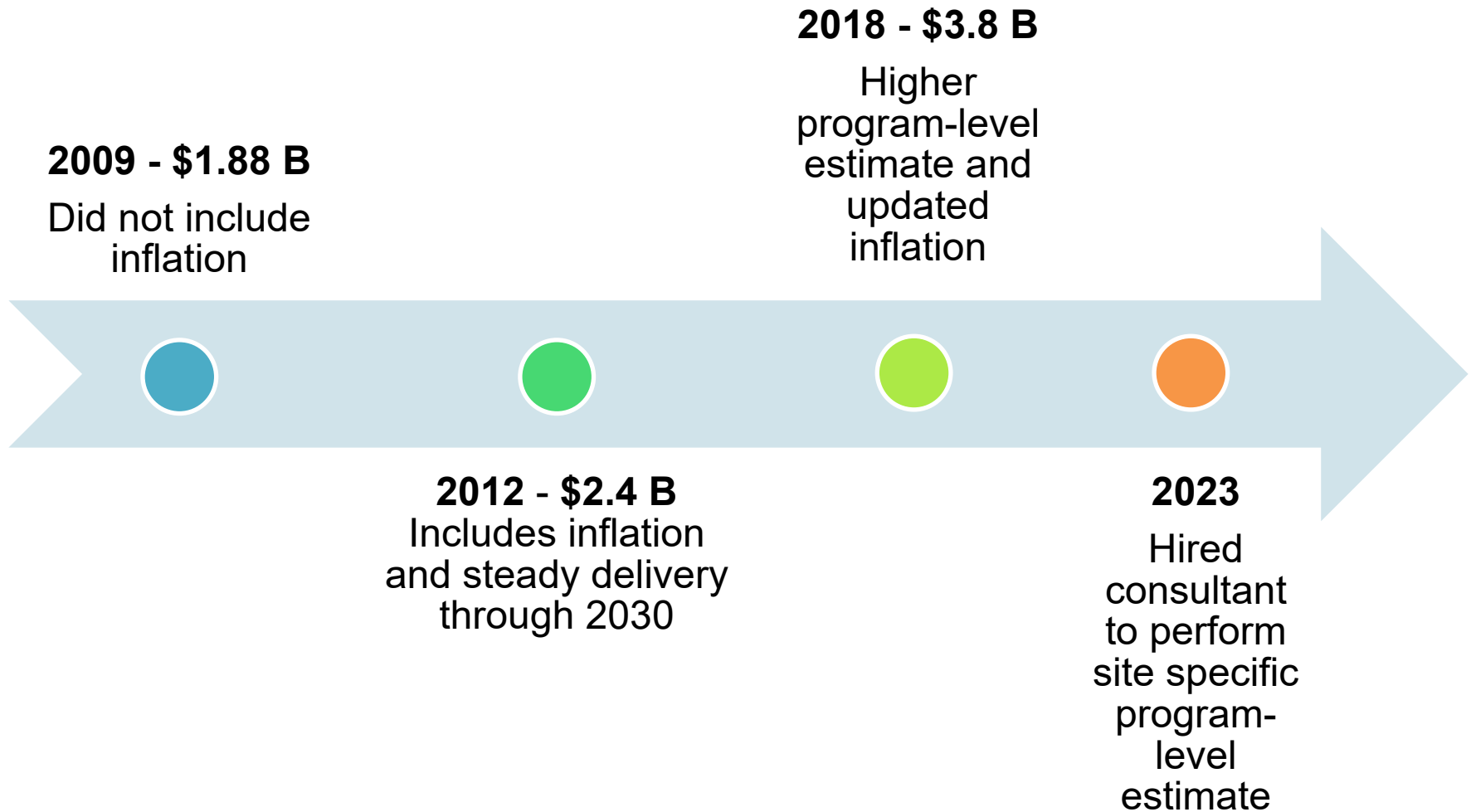
December 2024



COSTS

Fish Passage Program Funding Estimate update

Injunction Compliance Estimates – History



Updated 2030 Delivery Plan Compliance Estimate - 2023

Completed Barriers	# 2013 List Barriers*	# Newly Identified Barriers*	Total Program Budget*	Revised Total Plan Estimate	Additional Funds Needs
114	320	49	\$3.8B	\$7.3B - \$7.8B	\$3.5B - \$4B

* Doesn't include the barriers corrected by larger transportation projects

Why is the program estimate so much higher?

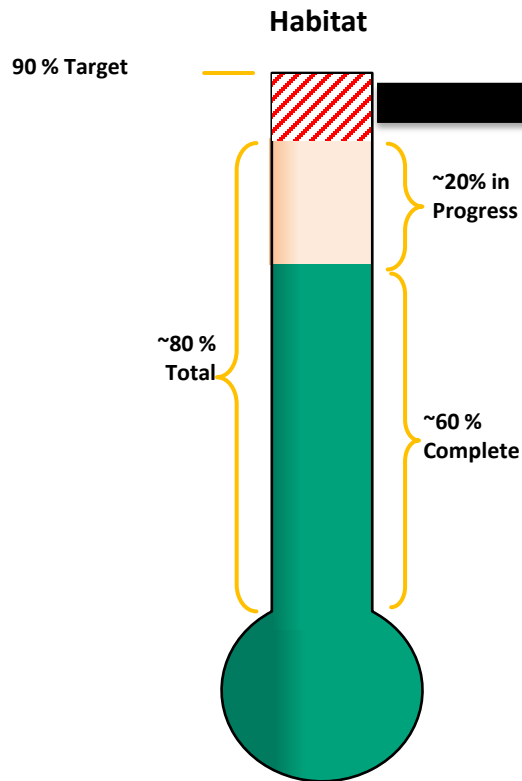
- Planning level assumptions vs. engineered estimates
- High complexity sites
- Large amount of work in small timeframe
 - Higher use of consultants
 - Alternative Delivery Methods
- Construction volatility
- Cost escalation

Highest Cost Remaining 2030 Delivery Plan Barriers* (not yet under construction contract)

Site	Habitat	Total Estimated Cost
994984 – I90/unnamed to Lake Creek	1,027 meters	\$240 Million
990326 – US101/Peabody Creek	2,296 meters	\$150 Million
997675 – SR509/Redondo Creek	1,436 meters	\$135 Million
994562 – I5/Thornton Creek	2,987 meters	\$130 Million
932343 – I90/unnamed to Lake Sammamish	1,076 meters	\$130 Million
996965 – I90/unnamed to EF Issaquah Cr	1,834 meters	\$125 Million
990481 – US101/White Creek	6,405 meters	\$100 Million
992798 – I90/Lewis Creek	4,350 meters	\$100 Million
15.0056 4.50 - SR16/Burley Creek	2,265 meters	\$95 Million
990273 – I5/McAleer Creek	5,961 meters	\$85 Million
990199 – I5/Indian Creek	5,026 meters	\$80 Million
	Total =	\$1.4 Billion

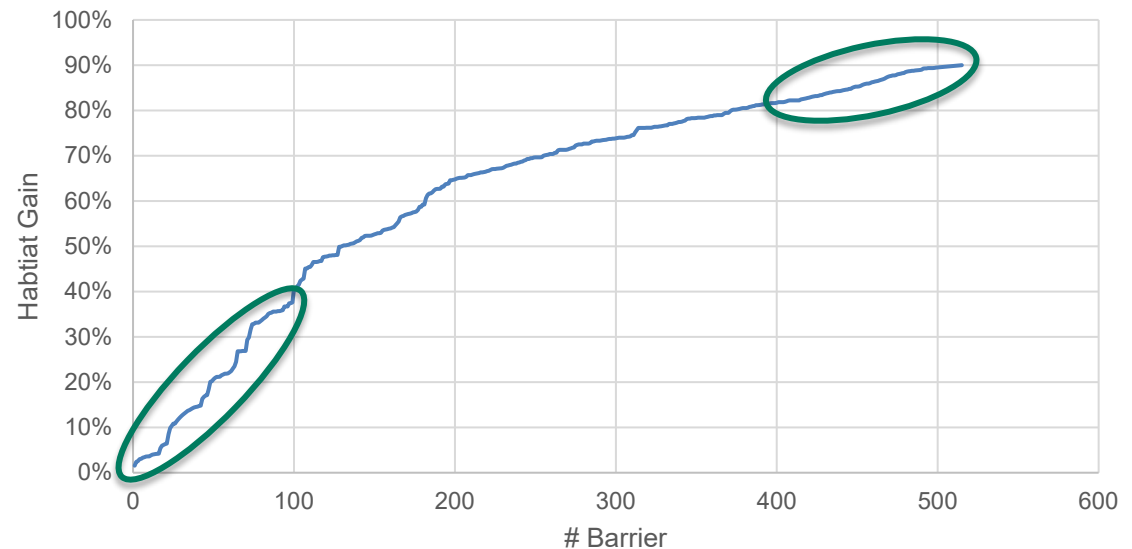
* This list doesn't include 936041 I-405 Lakehurst Creek estimated to be ~ \$300M

From 80% to 90% Habitat Restored by 2030



Includes:

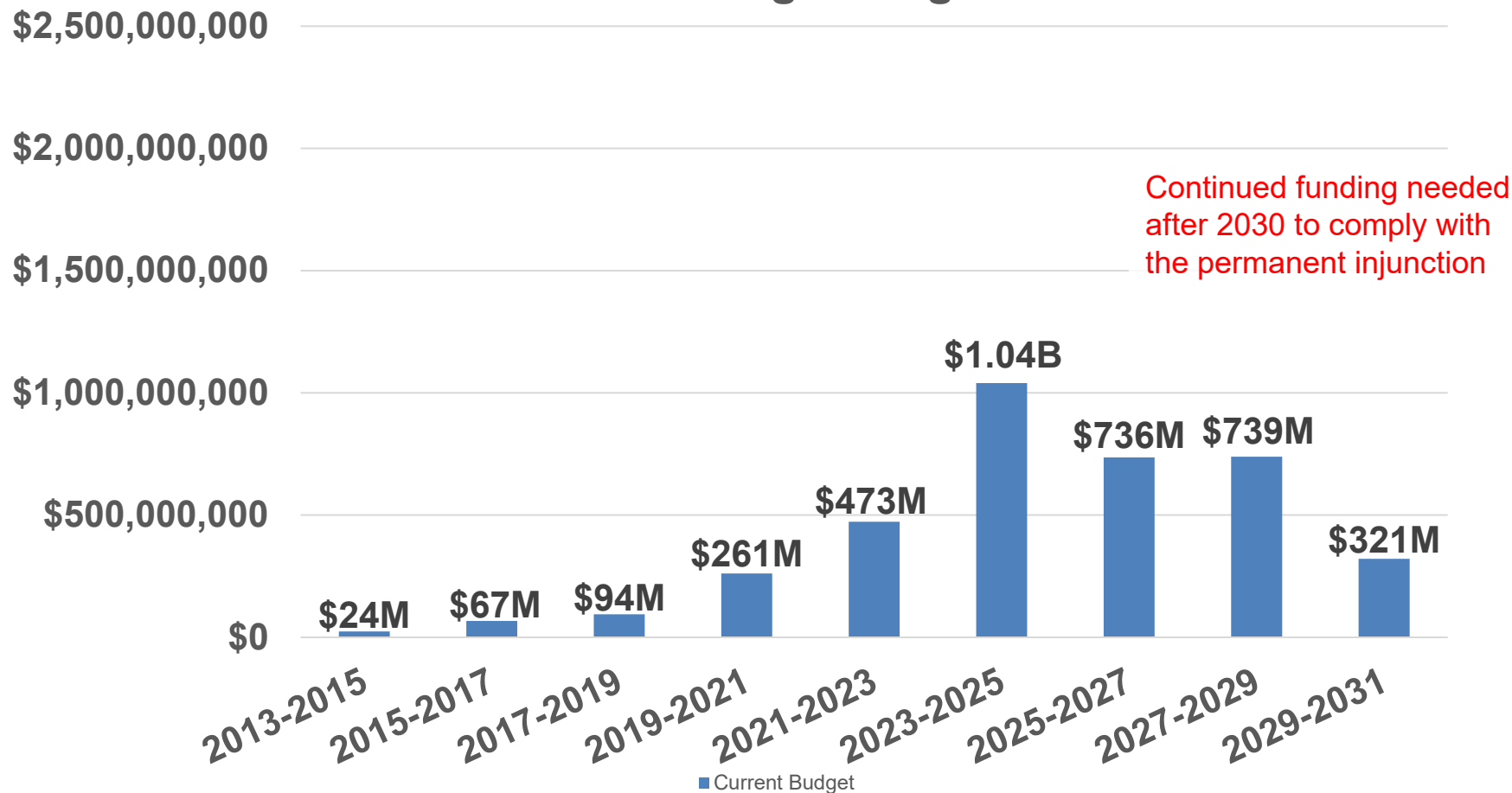
- Over 100 barrier corrections
- Lower habitat gain and high-cost barrier corrections



Total
Program
Budget

\$3.8B

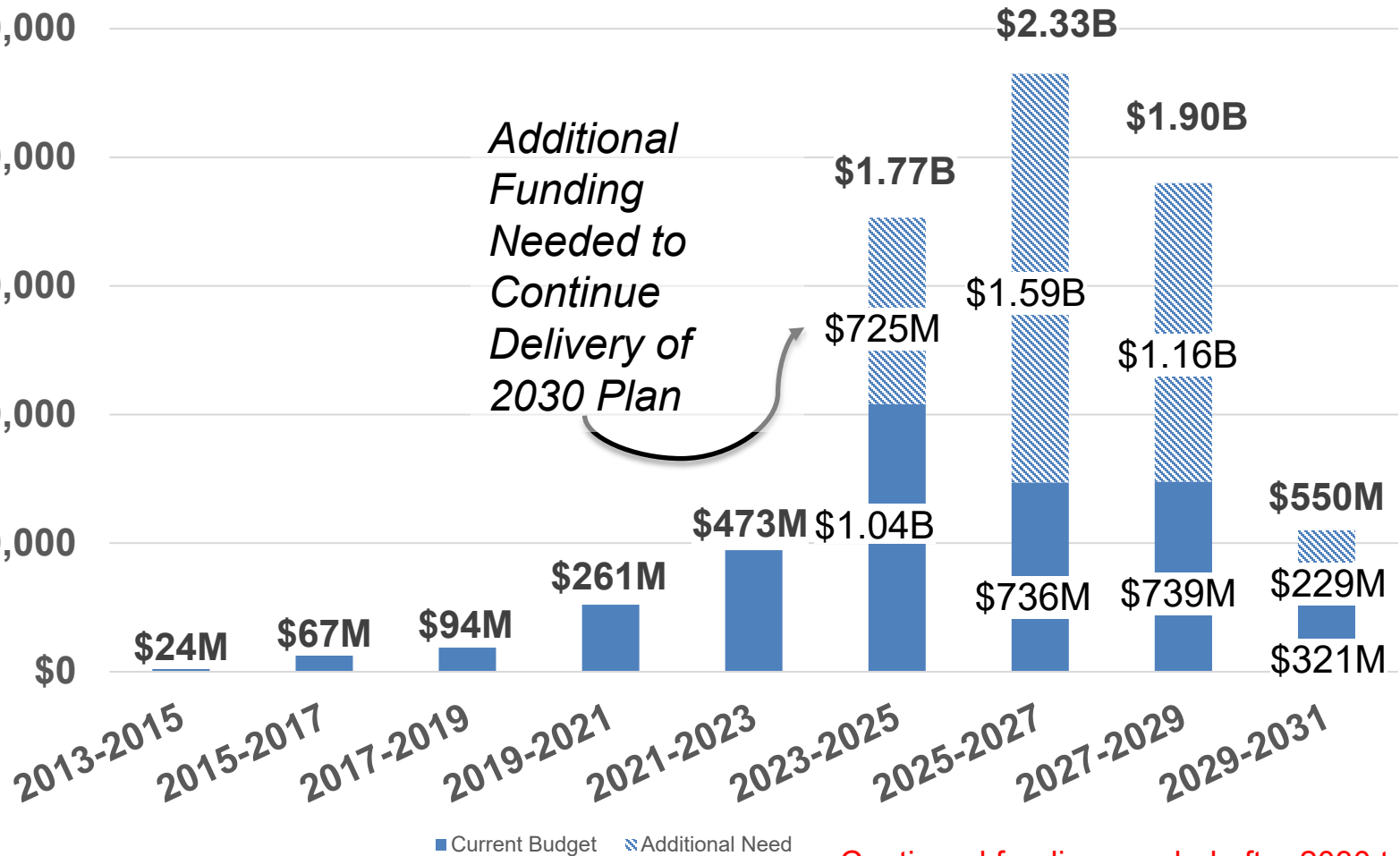
Fish Passage Budget



October 2023

Revised Total Plan Estimate	Additional Funds Needs
\$7.3B - \$7.8B	\$3.5 - \$4B

Fish Passage Budget and Additional Need



October 2023

Continued funding needed after 2030 to comply with the permanent injunction



Beyond 2030 Delivery Plan for Known Barrier Corrections

These will be corrected after 2030 as the injunction is permanent.

339 Barriers 2013 List Significant Gain Habitat

- 10% deferred habitat, injunction requires correction at the end of their useful life or part of Transportation Project.

124 Barriers 2013 Limited Gain Habitat

- Injunction requires correction at the end of their useful life or part of Transportation Project.

115 Known Newly Identified Barriers

- Injunction requires correction within a reasonable period of time.

Notes:

- All culvert numbers are approx. and subject to change

Current budget will fund restoring about **80%** of the blocked habitat, which is a correction of **over 400 fish barriers** by 2030.

We are on track to fully commit the current budget of \$3.8B to construction contracts by the **end of 2024**.

An **additional \$3.5-\$4.0 billion** is needed to correct remaining over **100 barriers** and **achieve 90% habitat restoration** by 2030.

Additional funding needed **beyond 2030** for 10% deferred habitat, limited gain, and remaining newly identified barriers.

Discussion – What are your questions?

For additional information on the
WSDOT Fish Passage Program, please contact:

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