



## Puget Sound Recovery

---

**Sheida Sahandy, Executive Director  
and Partners**  
September 27, 2017



Necessary and ongoing learning—  
how to protect and recover Puget  
Sound

But pressures threaten to  
overwhelm gains—we are not  
going to meet most of the 2020  
targets

Solution?

## Innovation and Partnerships



© Jessica Newley, The Solish Sea (Seagarth Books)

## 3 Backbone Roles of the Partnership



- Remove
- Mobilize funding
- Educate decision makers

2016-2018 ACTION AGENDA PERCENT FUNDED FUNDING GAP

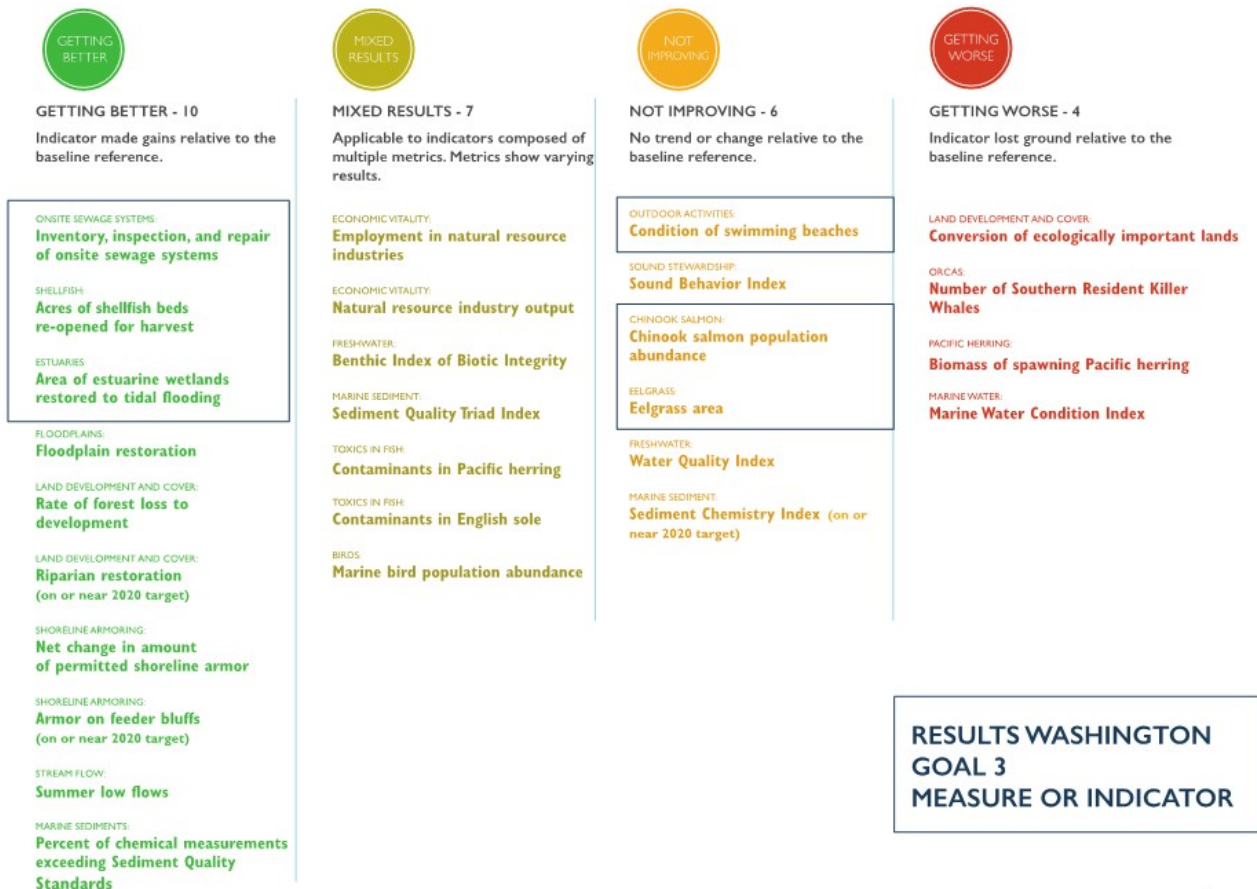
# Backbone role important in VUCA world

- **Volatile**
- **Uncertain**
- **Complex**
- **Ambiguous**



- **Vision:** clear priorities for action
- **Understanding:** engaging with partners broadly for global perspective
- **Clarity:** seeing essential issues and elements in noisy systems
- **Agility:** responding quickly in changing conditions

4



5

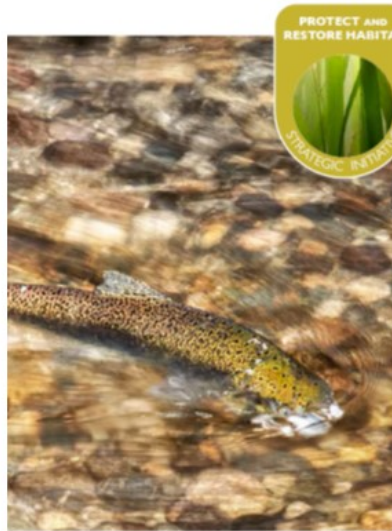
## Opportunity: Engage more of society, drive innovation



- We are coordinating state and federal agencies with local and tribal governments, non-profits
- Need to focus on public-private partnership to increase scope of effort, investments, and innovation
  - Carbon fiber pervious pavement
  - Waste converted to drinking water
  - Many more

6

## Partnerships within the state family – our three Strategic Initiatives leads



7



- **Strategic Initiative Lead: Dept. of Ecology**

- Vince McGowan, Lead for Municipal Stormwater Management

- **Status:**

- Most stormwater-related Vital Sign measures are not changing or show mixed results

- **Partnership/Innovation Example:**

- Local government, low impact development, and stormwater action monitoring

8



- **Strategic Initiative Leads: WDFW & DNR**

- Julie Watson, WDFW's Policy Lead for the Habitat Strategic Initiative
- Kirsten Feifel, DNR's Policy Lead for the Habitat Strategic Initiative

- **Status:**

- Restoration is making modest gains, but not at the pace needed to achieve targets
- Rates of forest loss, shoreline armoring, and eelgrass coverage suggest some success in protection, but losses continue

- **Partnership/Innovation Example:**

- Sea-level rise adaptation workshops
- Zooplankton monitoring

9



- **Strategic Initiative Lead: Dept. of Health**

- Emily Sanford, Lead for the Shellfish Strategic Initiative

- **Status:**

- Water quality improvements are increasing the area of harvestable shellfish beds, though successes at large growing areas will be needed to achieve target

- **Partnership/Innovation Example:**

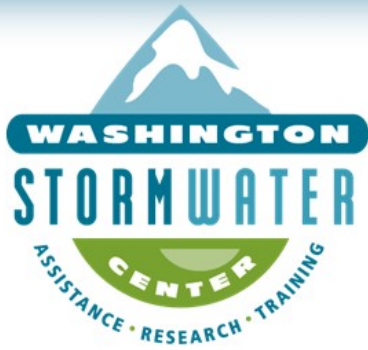
- Liberty Bay upgrade

10

## Cross-Sector Partner Presenters

- **John Stark, WSU Puyallup and Washington Stormwater Center**
- **Mindy Roberts, Washington Environmental Council**
- **Monte Marti, Snohomish Conservation District and Puget Sound Conservation District Caucus**
- **Stephanie Solien, Leadership Council Vice Chair, Puget Sound citizen volunteer**

11



The Washington Stormwater Center was created through a state legislative mandate ( R.C.W. 90.48.545) for a stormwater technical and educational resource center for all stormwater permit holders in the state

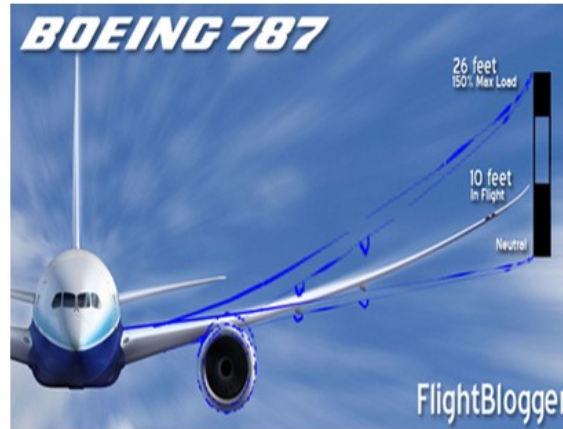
A joint center between UW-Tacoma and WSU-P developed in 2010



## Pre-spawn mortality in Coho



# Incorporating carbon fibers into permeable pavements (funded by the Boeing Company)





## Permeable pavements - a great idea but there are problems

- Do not have the tensile and compressive strength of regular pavements
- Can clog over time if not maintained properly



- The WSU engineering team developed the process to incorporate carbon fiber into permeable asphalt and concrete
- WSU Puyallup developed the toxicity data





# Tacoma Stormwater Facility



20



21



Snohomish Conservation District

## Community Engagement ~ Private Landowner Participation

Monte Marti, District Manager

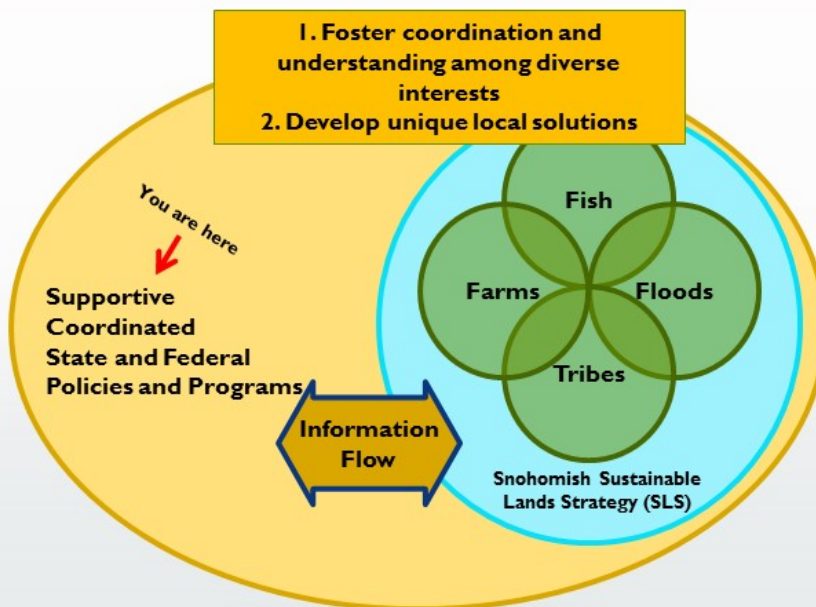
# Snohomish Sustainable Lands Strategy



- ❑ Conservation District role ~ bring our communities together
- ❑ Innovative partnerships ~ diverse interests ~ common desired outcomes
- ❑ Multi-benefit approach
- ❑ Agreement around multi-benefit funding
  - Conservation Commission ~ Shellfish/RCP/CREP
  - DOE Floodplains by Design
  - WDFW Estuary and Salmon Restoration Program
  - Not the only funding leveraged
- ❑ Integrating with Results Washington



## Innovating for the Future



## Role of Private Landowners

Critical to our collective success  
 They need to be profitable to be part of the solution  
 We need to value
 

- Their engagement
- Their voluntary stewardship
- Their implementation of BMPs
- Their contribution toward results

 They carry the water ~ They close the gate

The Nature Conservancy in Washington  
#93629523

26

### Assistance Requests

- Innovation is critical – R&D focus to address pressures on Puget Sound.
  - Cascadia Innovation Corridor
- Partnerships are critical – Lend us your voice to bridge the gap with other sectors and across the border.
  - Establish a Salish Sea transboundary work group (State/BC)
- Science is critical and real – Affirm our dedication to science-based decision-making, including monitoring programs
  - 2018 Salish Sea Ecosystem Conference

27

# Thank you!



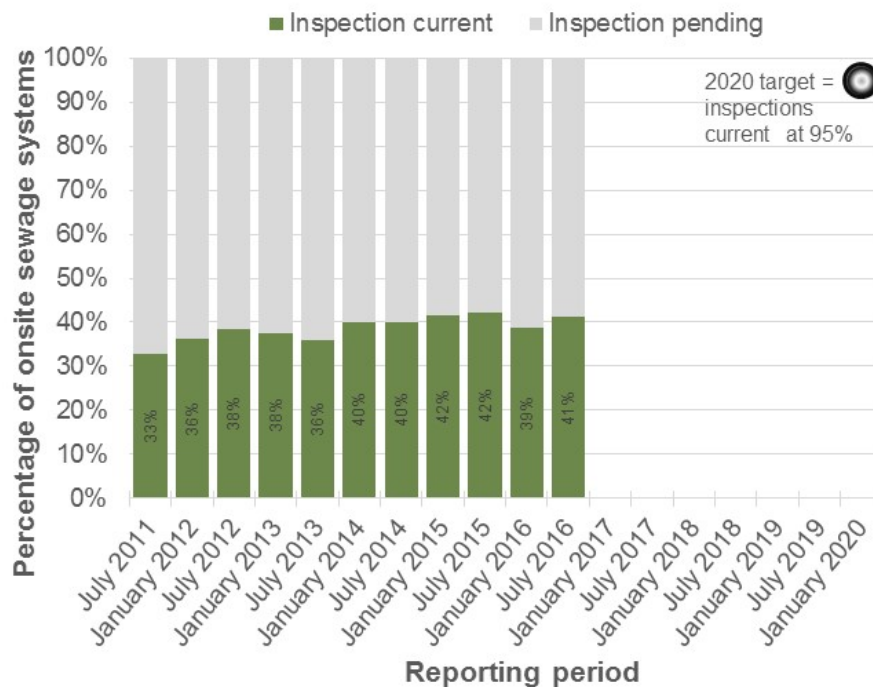
28

## ONSITE SEWAGE SYSTEMS

Indicator:  
Inventories, inspections and repairs

BELOW  
2020  
TARGET

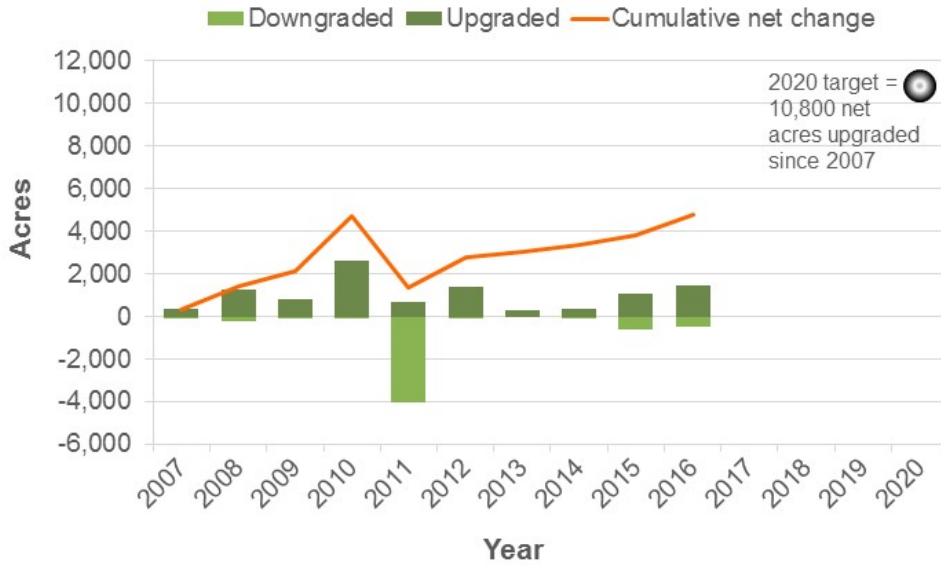
GETTING  
BETTER



29

# SHELLFISH

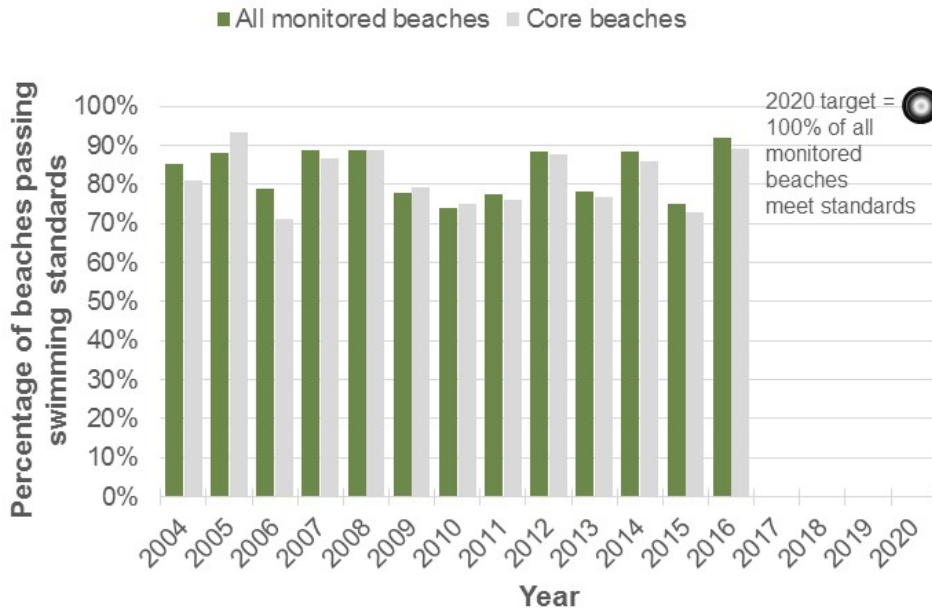
Indicator:  
Shellfish beds re-opened to harvest



30

# SWIMMING BEACHES

Indicator:  
Condition of swimming beaches



31

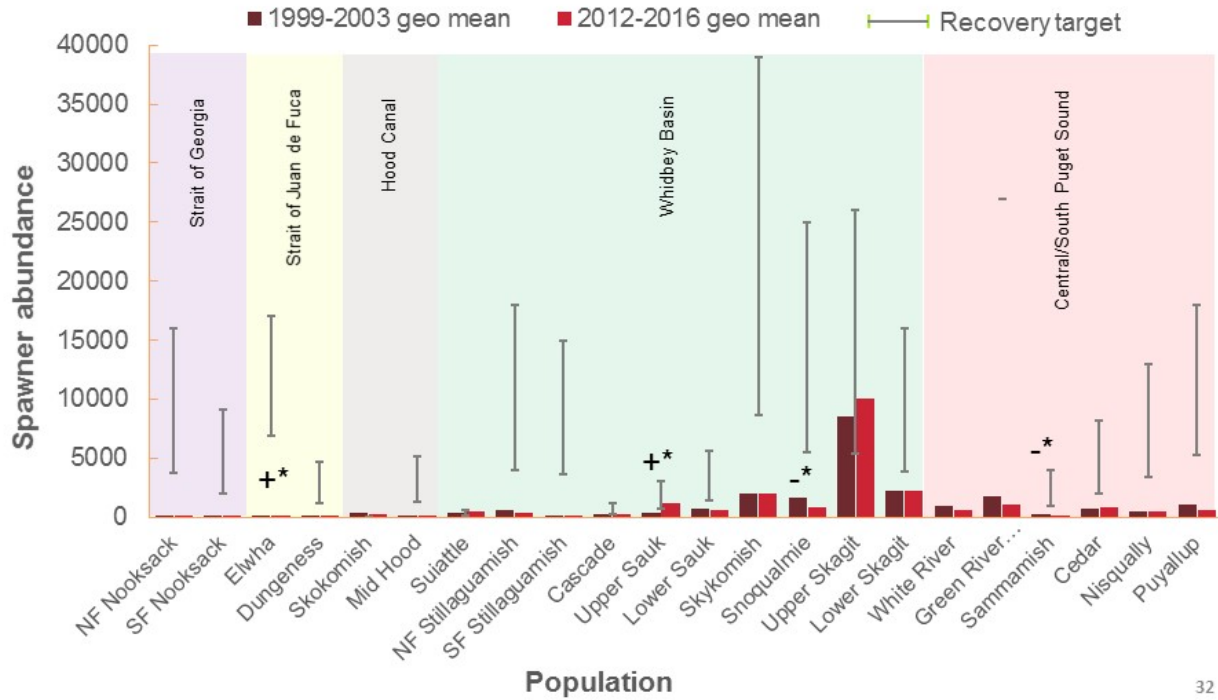


# PUGET SOUND CHINOOK SALMON

Indicator:  
Spawning population abundance

BELOW  
2020  
TARGET

NOT  
IMPROVING



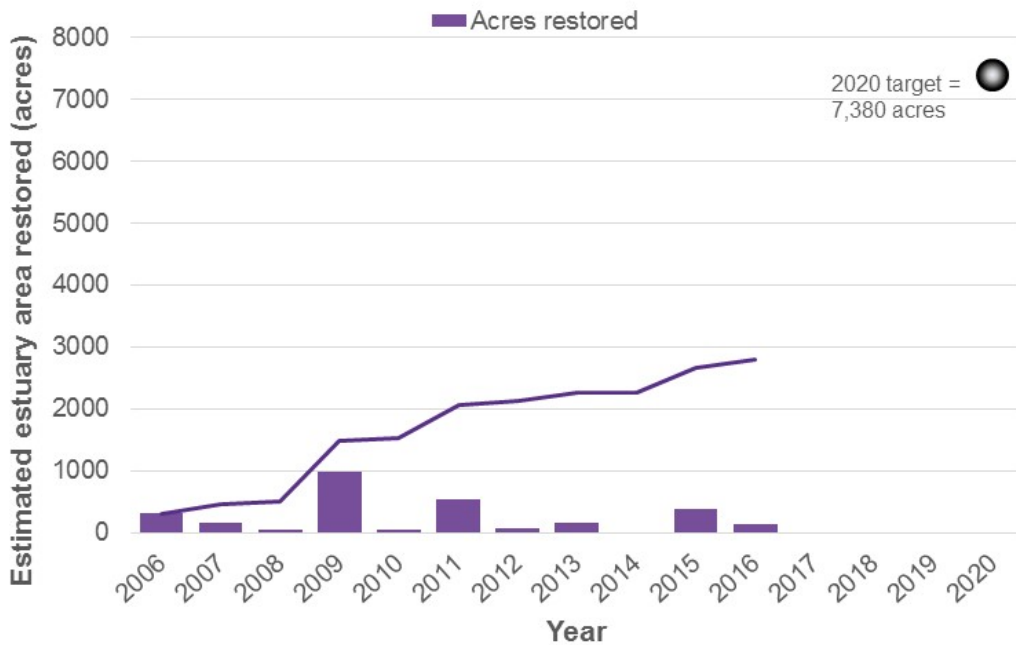
32

# ESTUARIES

Indicator:  
Restoration of estuarine wetlands

BELOW  
2020  
TARGET

GETTING  
BETTER



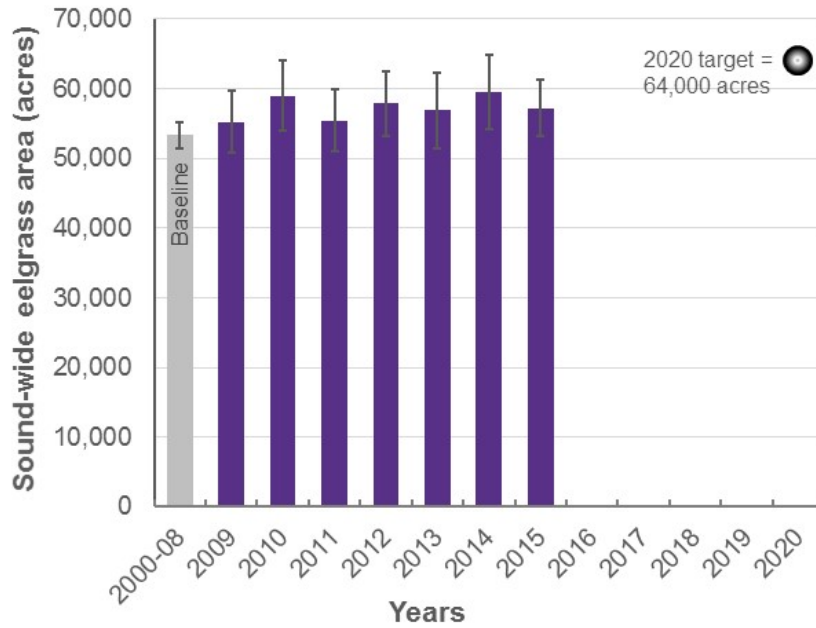
33

# EELGRASS

Indicator:  
Sound-wide eelgrass area

BELOW  
2020  
TARGET

NOT  
IMPROVING



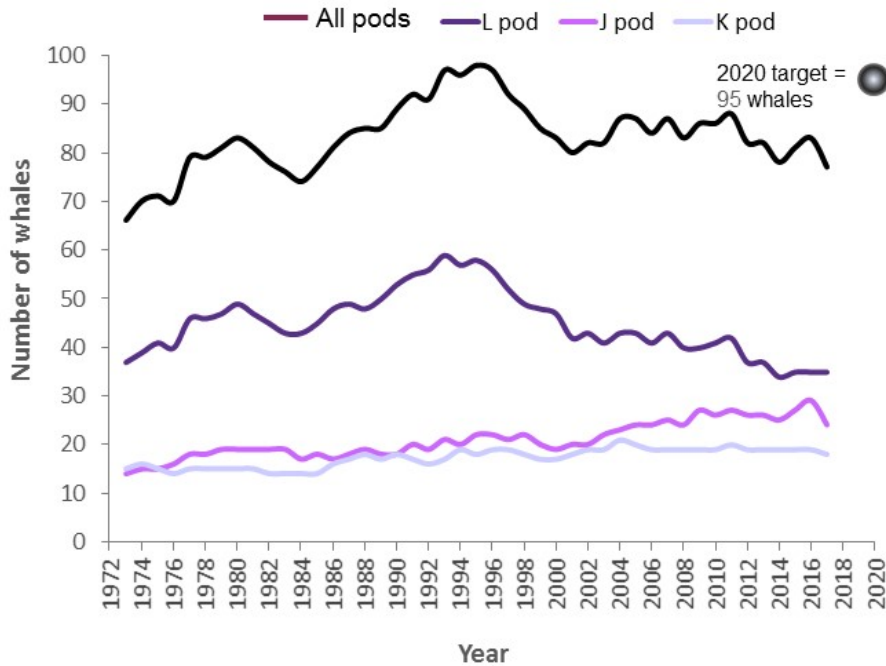
34

# ORCA

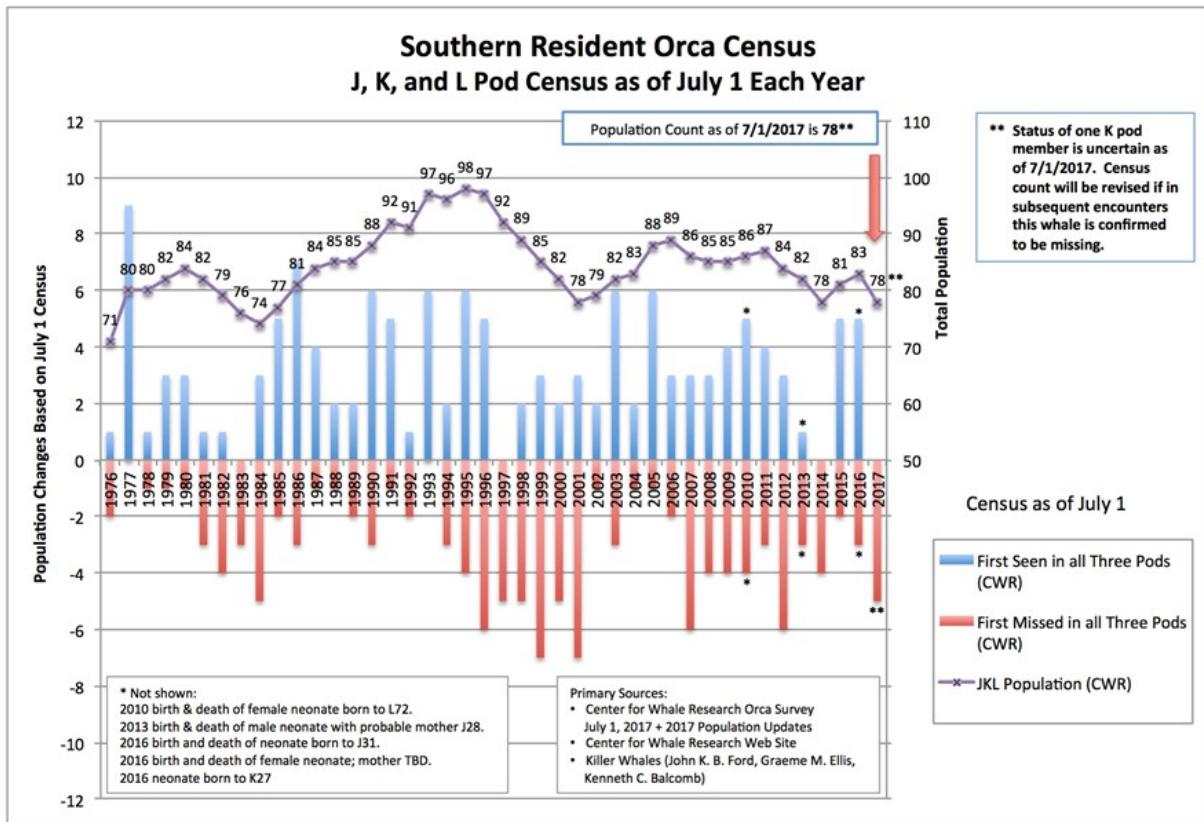
Indicator:  
Number of Southern Resident killer whale

BELOW  
2020  
TARGET

GETTING  
WORSE



35



7/17/17

J. Cogan for Center for Whale Research

2 36

[Contact Us](#)   [Comment Policy](#)   [Give Us Your Feedback](#)   [Legislative Reports](#)   [Apply Lean](#)

[Foster Performance Audits](#)   [Measure Results](#)   [Gov. Inslee's New Strategic Framework](#)

[Video Message from the Governor](#)   [Printable Trifold about Results Washington](#)



Powered By Socrata