



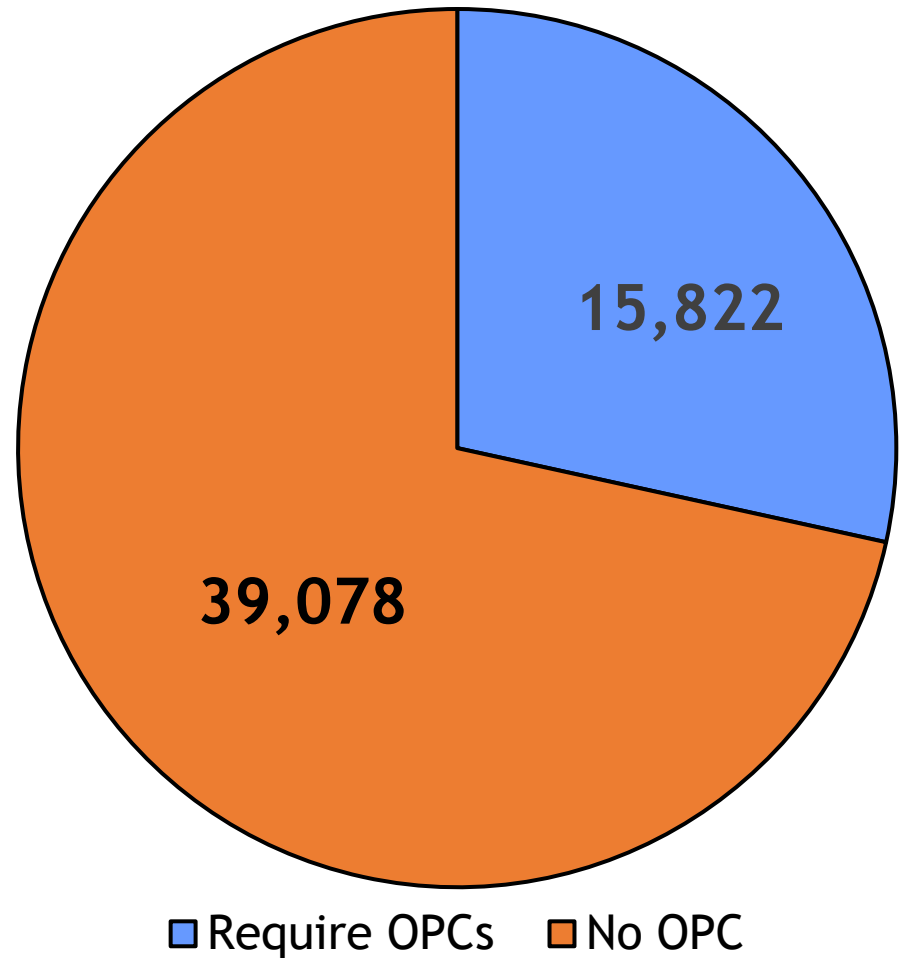
# Thurston County On-site Sewage System Management Plan

Henderson Inlet & Nisqually Reach  
Shellfish Protection Districts (SPD) Advisory Committee

July 20, 2021

# Current Status - How Are We Doing?

- 54,900 Septic Systems\*
- 71% No renewable operational certificates
- 29% Require renewable operational certificates



\* Updated 6/30/2021

# OSS Monitoring & Maintenance Requirements

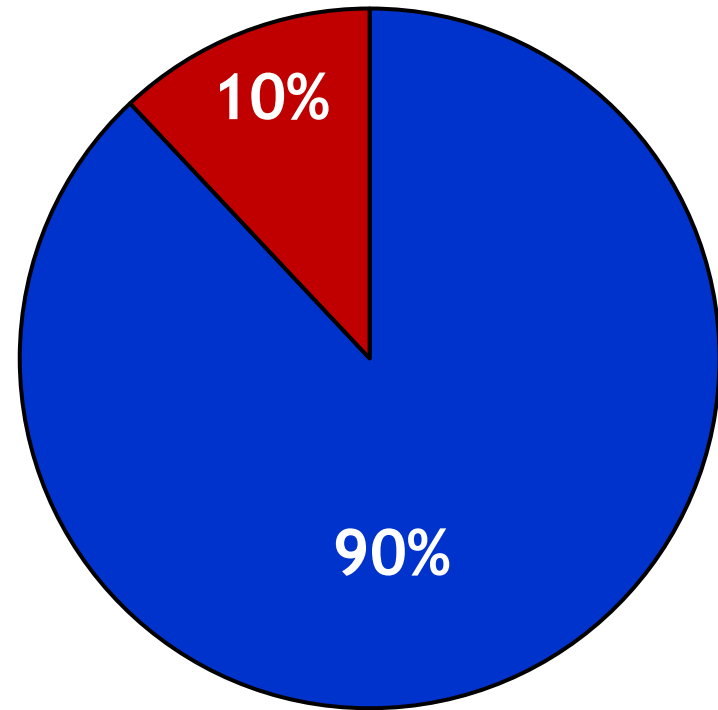
PROGRAM ELEMENT	HENDERSON & NISQUALLY MRA	COMPLEX OSS	ENHANCED EDUCATION AREAS (GRANT FUNDED)	“STANDARD” OSS OUTSIDE OF MRA
Renewable Operational Certificate	✓	✓		
Routine Dye Tracing of High-Risk Systems	✓			
O&M Reminders by Mail	✓	✓	✓	
Certification Workshops	✓		✓	
Septic 101 Workshops (as funding allows)	✓	✓	✓	✓
Riser Rebates	✓		✓	
Small O&M/Repair <sup>3</sup> Grants	✓		✓	
Low Interest Repair Loans	✓	✓	✓	✓
O&M Charge or Fee	Charged via property tax statement	Renewal Fee	None - program grant funded	None
Rate of Current Inspections	90%	88%	38%	35%
Number	11,420	4,402	39,078	



July 20, 2021

# Marine Recovery Areas

- All Septic Systems in area require OPC
- 90% are current with maintenance
- 10% non-conforming

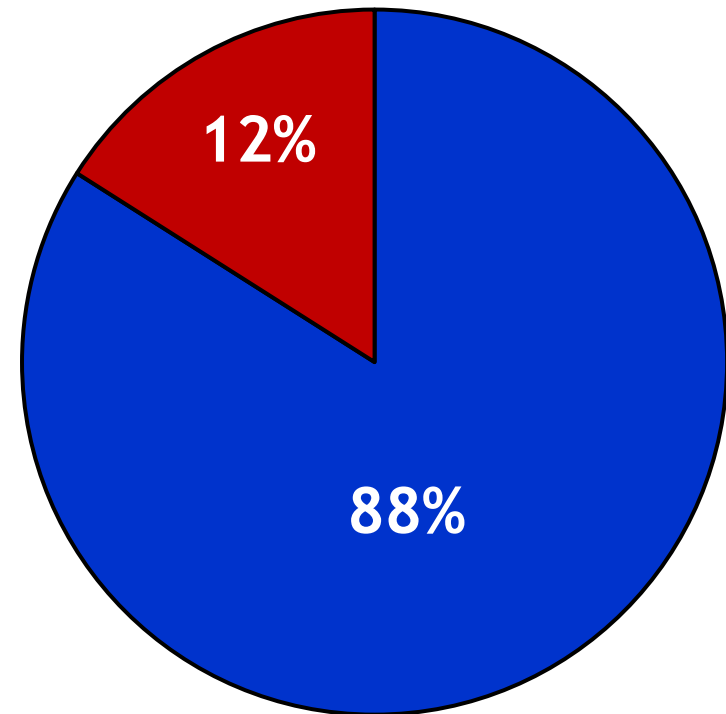


■ Current OPC    ■ Non-conforming

# Septic Systems with Required OPCs Outside of Marine Recovery Areas

~Updated June 30, 2021~

- Certain septic systems require OPCs
- 87% are current with maintenance
- 13% non-conforming

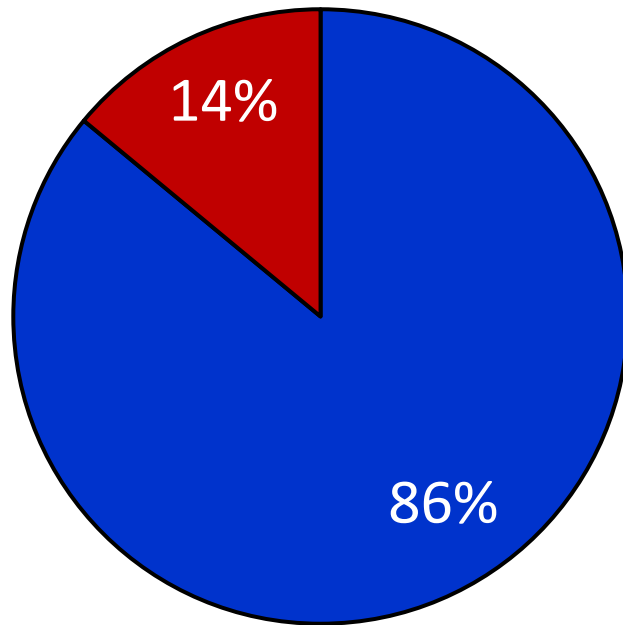


■ OPC current   ■ nonconforming

# Eld Inlet Watershed

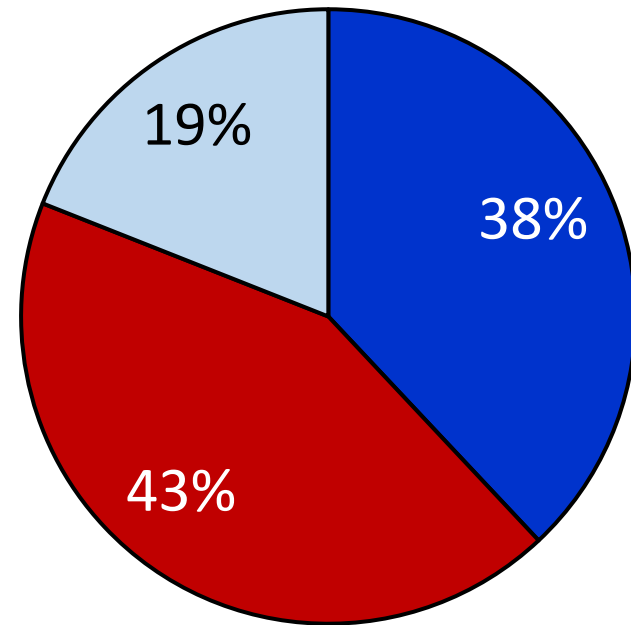
~Updated June 30, 2021~

## Required OPCs



■ OPC current ■ Nonconforming

## No OPC



■ Current ■ Not Current □ 6 yr



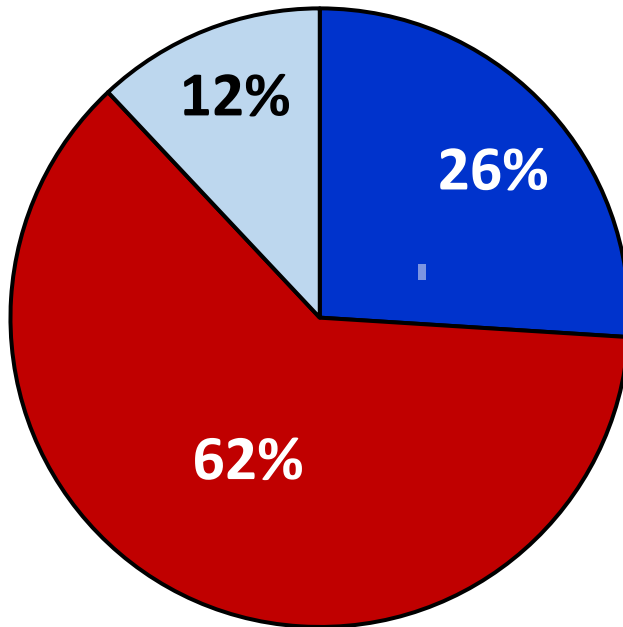
July 20, 2021

Public Health and Social Services Department  
<http://www.co.thurston.wa.us/health>

# Countywide - No Required OPC

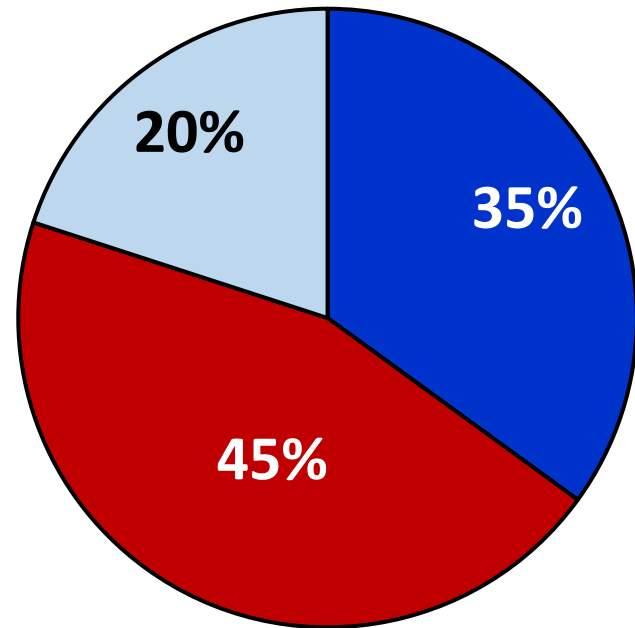
~Updated June 30, 2021~

## 7/1/2016



■ Current ■ Not Current ■ 6 yr

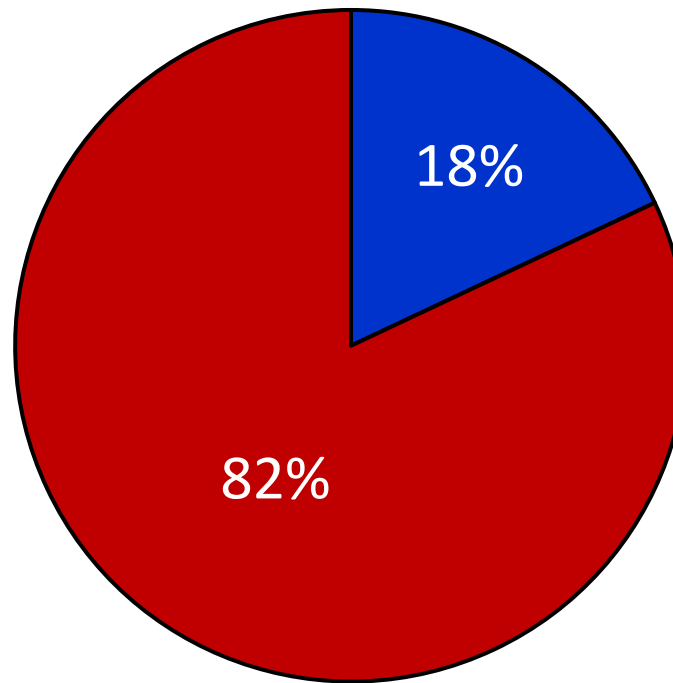
## 7/1/2021



■ Current ■ Not Current ■ 6 yr



# Eld Inlet Watershed Delinquent OSS Inspected w/in 1 Year of Reminder



■ Inspected   ■ Not Inspected



July 20, 2021

Public Health and Social Services Department  
<http://www.co.thurston.wa.us/health>



# Thurston County Sanitary Survey Failure Rates

Survey Area and (Year)	Number of Systems Evaluated	Number of Failing Systems	Failure Rate <sup>1</sup>
Eld Inlet (1990-96)	564	93	16%
Eld Inlet (2012-14)	102	17	17%
Henderson Inlet (1996-99)	58	8	14%
Nisqually Reach (1994-96)	123	32	26%
Nisqually Reach (1996 -99)	42	12	29%
Summit Lake (1992-97)	330	57	17%

<sup>1</sup> Failure rate is the percentage of systems found failing. It is calculated by dividing the number of systems found failing in the study or survey area by the total number of systems evaluated.



# Why O&M?

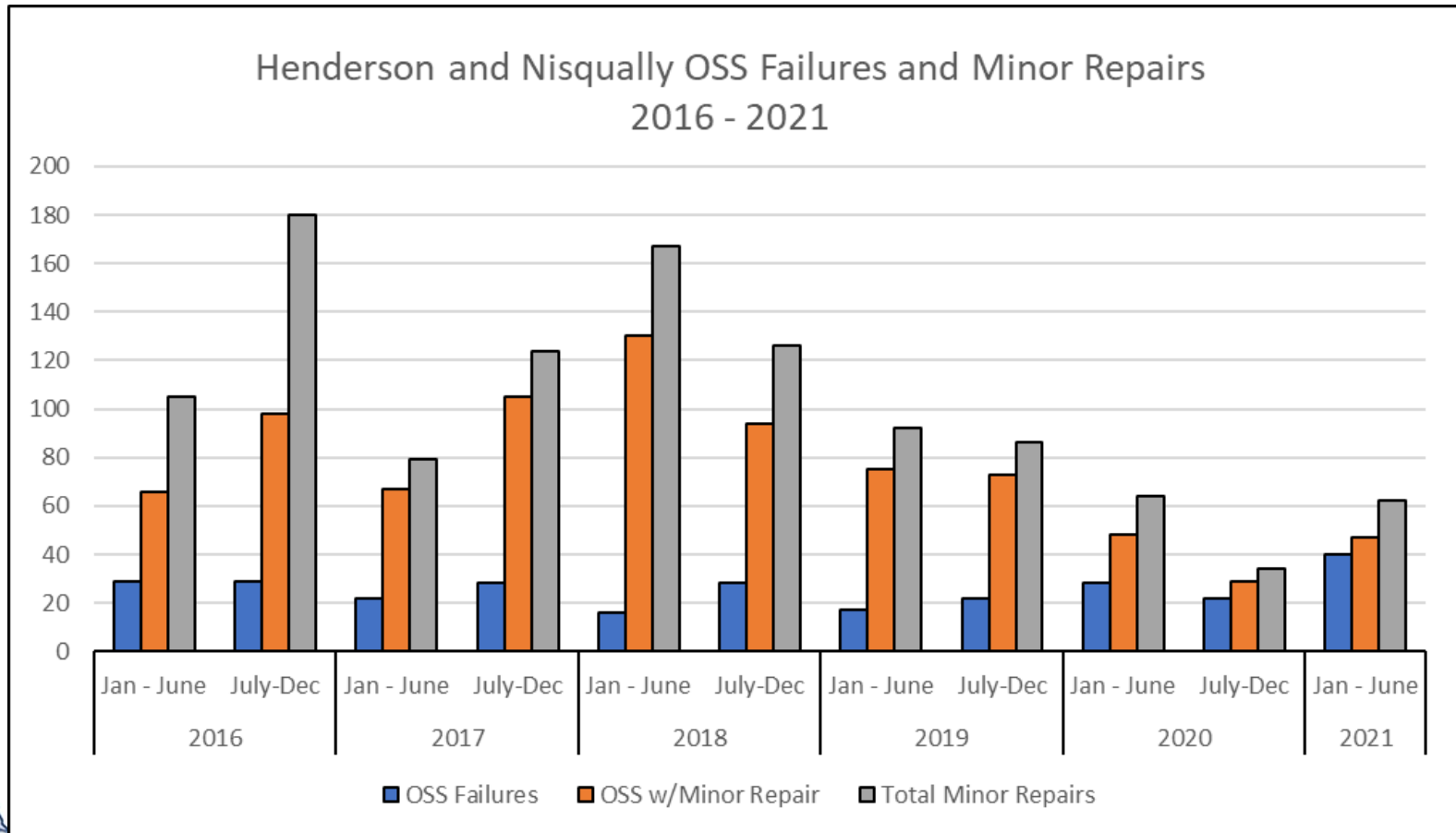
Regular inspections identify problems, find failures and help protect the \$\$\$ invested in the OSS

## Septic System Inspection Reports Submitted by OSS professionals - 2019

Inspection Results	Number	Percent
No Deficiencies	14,962	82.5%
Deficiencies	1,631	9.0%
Serious Deficiencies	1,542	8.5%
Total Inspections	18,135	

# Why O&M?

Regular inspections identify problems, find failures and help protect the \$\$\$ invested in the OSS



# Program Ideas

- Start work to create and implement enhanced programs for Eld Inlet and Summit Lake
- Expand education and outreach programs to reach all OSS owners
- Assure problems found during OSS inspections by OSS professionals and owners are corrected
- Conduct water quality investigations (PIC) to identify areas where water quality poses public health risk and pollution sources
- Initiate programs in high-risk shoreline areas to identify OSS failures and assure proper monitoring and maintenance

# Funding Options

- Grants
- Fees
- Property Tax Charges
- General Fund
- Combination
- FPHS funding from the state. OSS programs may be a priority.

# Where do we go from here?

