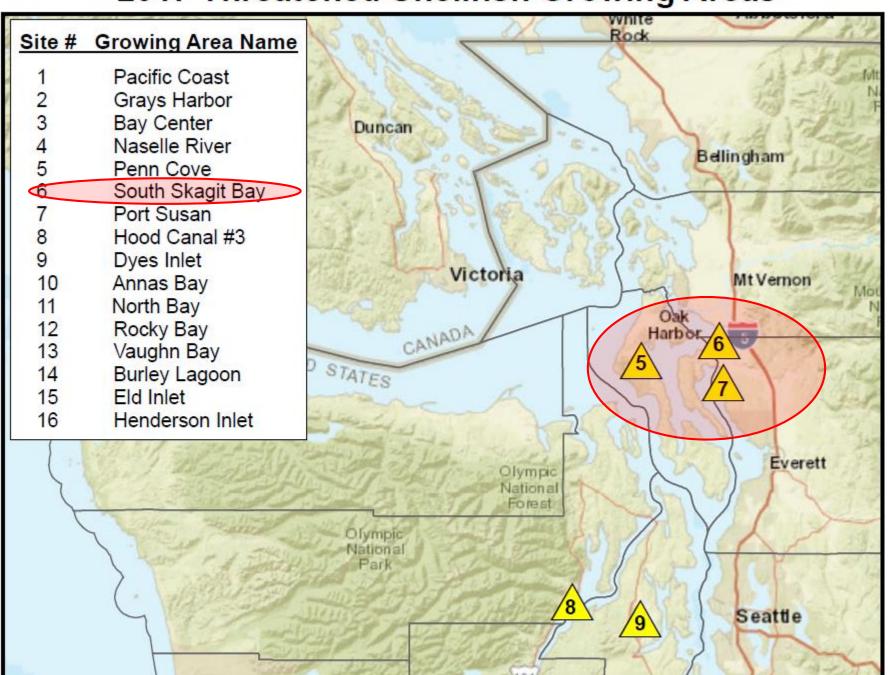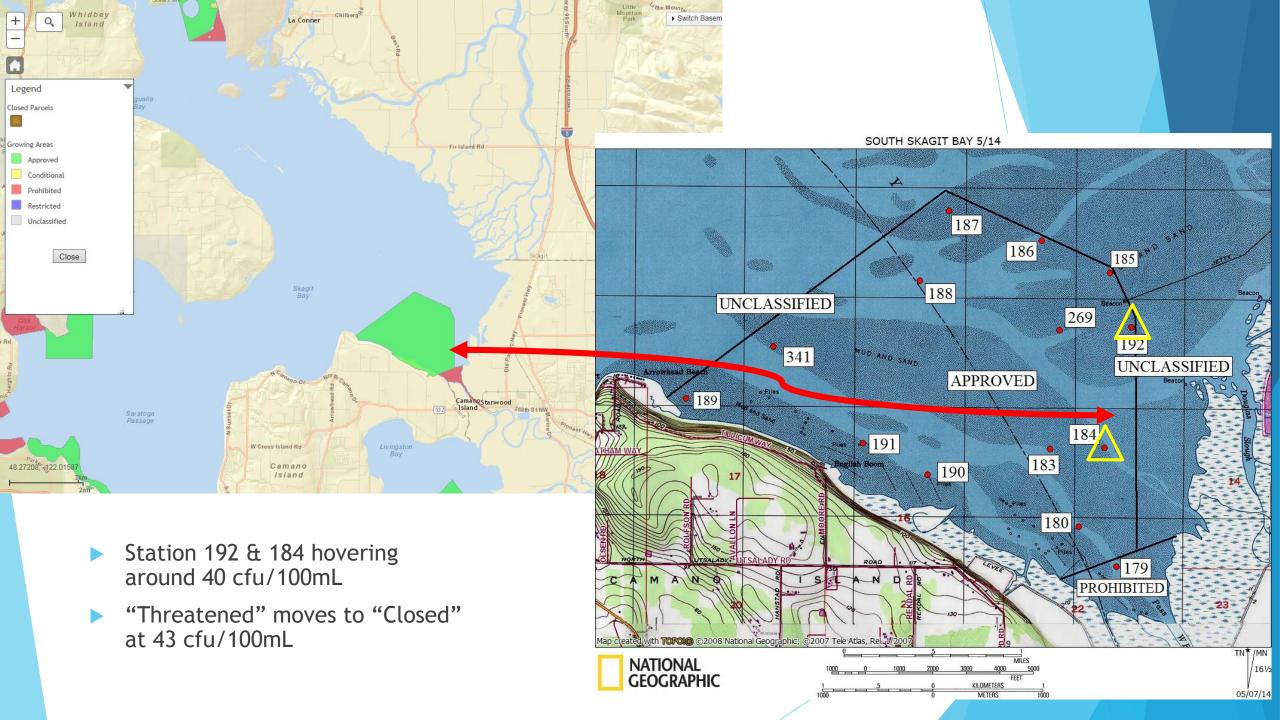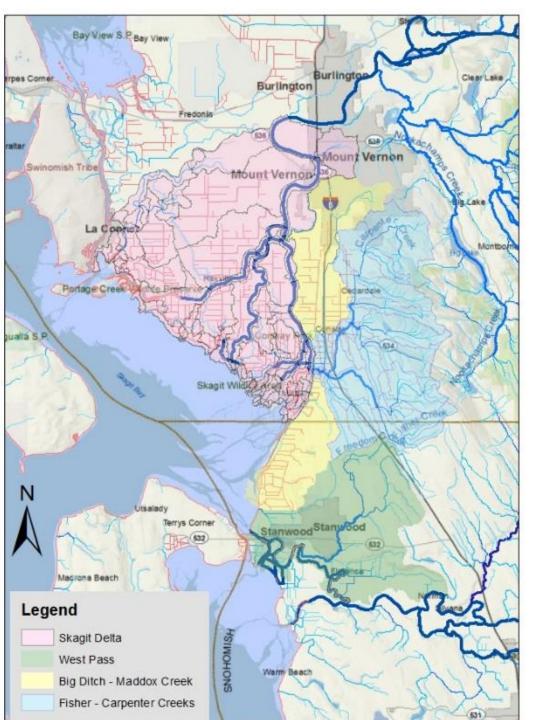# South Skagit Bay Nonpoint Pollution Watershed Assessment and Outreach Strategy

2017 Threatened Shellfish Growing Areas

Site #	Growing Area Name
1	Pacific Coast
2	Grays Harbor
3	Bay Center
4	Naselle River
5	Penn Cove
6	South Skagit Bay
7	Port Susan
8	Hood Canal #3
9	Dyes Inlet
10	Annas Bay
11	North Bay
12	Rocky Bay
13	Vaughn Bay
14	Burley Lagoon
15	Eld Inlet
16	Henderson Inlet

- Station 192 & 184 hovering around 40 cfu/100mL
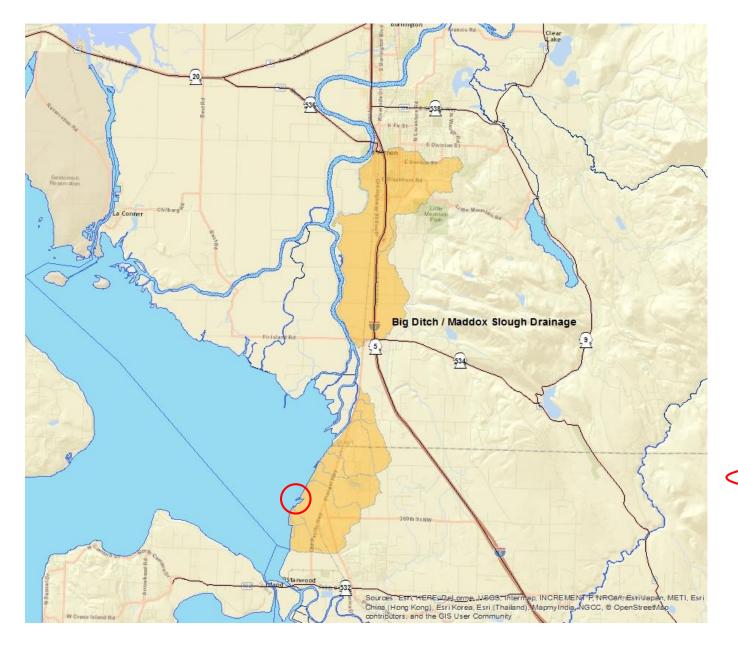
- "Threatened" moves to "Closed" at 43 cfu/100mL

4 Sub basins drain to Skagit Bay
- Skagit Delta
- Big Ditch / Maddox Slough
- Fisher & Carpenter Creeks
- West Pass

Things we considered
- Drainage patterns and drift cells
- Data from Skagit Bay FC Loading Assessment
- Data from partners and state health

Skagit County 2017 data:

▶ Big Ditch max 920 cfu/100mL

▶ Other 303(d) listings

  ▶ ex: DO, pH, Temp

Sample Site	N	Geomean	%>200	Maximum	Minimum
NF Skagit River	15	6.4	0.0	31	ND
Wiley Slough	17	55.1	5.9	240	23
SF Skagit River	16	8.7	0.0	49	ND
Big Ditch	17	91.5	41.2	920	7.8
Fisher Creek	17	63.8	17.6	350	17
Hill Ditch	17	43.5	17.6	350	6.8

Work to date

- ✓ Data analysis
- ✓ Planning
- ✓ Started developing outreach materials
- ✓ Initial coordination with Partners

Coordination with Implementation Partners

Skagit County PW & Health Dept.

- Septic inspection letters
- Outreach assistance
- Ambient sampling and data sharing

Snohomish County PW & Health Dept.

- Technical assistance

Skagit & Snohomish Conservation Districts

- Referrals
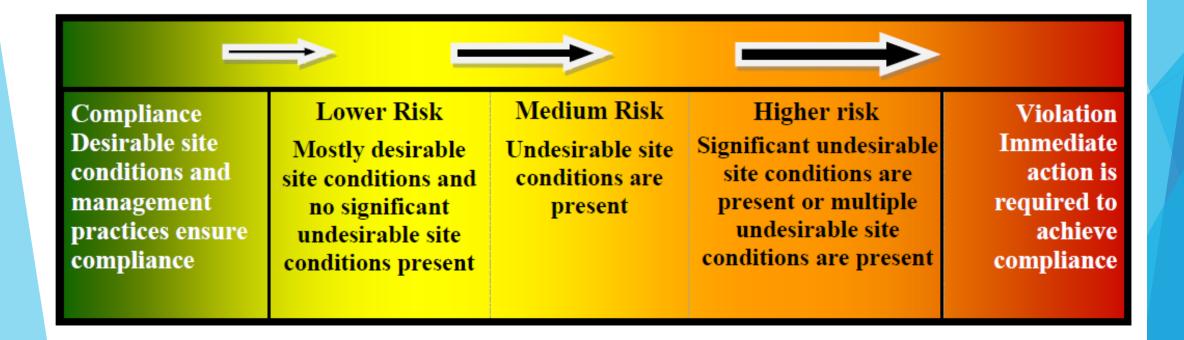- Grant and Loan resources
- Implementing partners

WSDA

- Dairies

Agricultural Stakeholders

Assessing risk of pollution

➢ Consider multiple site conditions and sources of pollution

➢ Clearly articulate examples of good and bad site conditions

➢ Help landowners make informed decisions about their operations

➢ Helps guide us on who we reach out to

Compliance Desirable site conditions and management practices ensure compliance	Lower Risk Mostly desirable site conditions and no significant undesirable site conditions present	Medium Risk Undesirable site conditions are present	Higher risk Significant undesirable site conditions are present or multiple undesirable site conditions are present	Violation Immediate action is required to achieve compliance

Land uses and Drainage

- Complicated drainage

- Many land uses

- Rotating crops

- Several "small" issues add up!

- Working with our partners to address all sources!

Next steps

- Outreach to Partners *and* Stakeholders
- TMDL leads work on public outreach
- Watershed survey in late fall/early winter

Questions, Comments?