

# Kitsap Public Health District Pollution Identification and Correction Program

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## Lessons learned after 20 years



- ◆ **Stable funding is key**
- ◆ **Targeted PIC**
  - Shoreline survey's
  - Deficient pump reports
  - Public complaints
  - Monitoring directs stream work
- ◆ **Tools for Investigation – FC sampling, Dye testing, MST, and CEC**
- ◆ **Education- at the door, in the field, and the classroom**
- ◆ **Stay flexible**

## Stormwater Utility Established

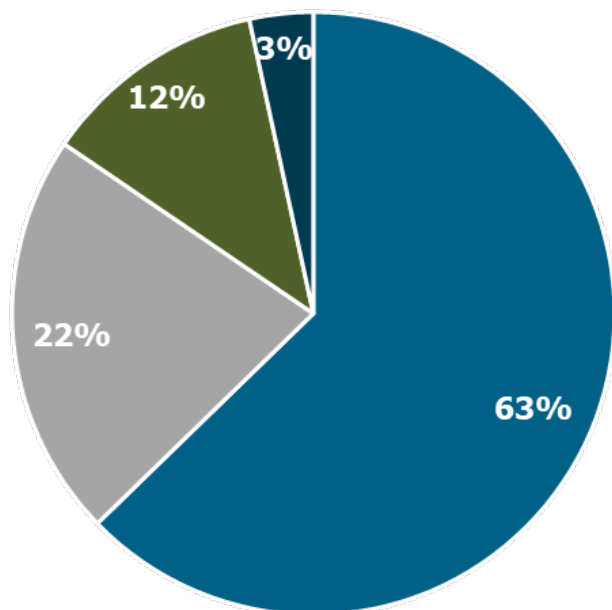


**Kitsap County established a stormwater utility in 1993 to:**

- 💧 **Prevent stormwater pollution**
- 💧 **Protect people, property & natural resources**
- 💧 **Reduce flooding & stormwater runoff**

## Clean Water Kitsap Funds the core of Kitsap's PIC Program

CWK Program Activity Spending by Percentage of the CWK Budget



■ PIC ■ COMPLAINTS ■ MONITORING ■ OTHER

- **Clean Water Kitsap funds 82% of the 2019 \$1.4 million PIC program budget.**
- **PIC prioritizes field investigations. More than 85% of every CWK dollar spent on PIC surveys or complaint investigations.**

# Kitsap Health's PIC



# Marine Shoreline Pollution Surveys



# Using OSS Permit & Maintenance Records

## TANK PUMPING REPORT

4/12/2019

Site Name:

Location: 11606 RANCH DR SW  
Port Orchard  
Tax ID: 31230110062003

**Service Company:**

FLOHAWKS  
P.O. Box 73399  
Puyallup, WA 98373  
253-848-2371



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Serviced: 11/16/2018 by: FRANK GOCHENOUR F88

Submitted 11/30/2018 by: FLOHAWKS (NW CASCADE)

Jump Location: King County Metro Wastewater Treatment Plant

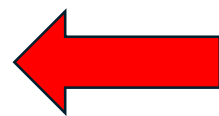
Jurisdiction ID: 1066752:119539

**COMMENTS**

liquid level low - form holes tank - recommend tank replacement

**TANK: Septic Tank - 1 Compartment**

|   |          |           |
|---|----------|-----------|
| All riser lids securely fastened upon departure                                 | N/A      |           |
| Tank Pumped:  | YES      |           |
| Tank Size (Gallons)(Number only, no text):                                      | 1000     |           |
| Effluent level within operational limits (if NO explain in comments):           | NO       | Deficient |
| Total Gallons pumped from tank (Number only, no text):                          | 500      |           |
| Effluent returning back into tank after pumping:                                | NO       |           |
| Tank depth below grade (inches):  | 6        |           |
| Access Risers installed to grade (N/A if not present):                          | N/A      |           |
| Tank Construction Material:   | Concrete |           |
| Tank Condition Good:  | NO       | Deficient |
| Baffles in good condition (N/A if not present):                                 | NO       | Deficient |
| Effluent screen cleaned (N/A if not present):                                   | N/A      |           |
| Effluent surfacing around site components (N/A if not checked):                 | NO       |           |
| Tank abandoned after pumping:   | NO       |           |
| Were repairs made to the Tank or Tank Components? (if YES explain in comments): | NO       |           |
| Compartment 1 Scum accumulation (Inches, if other specify):                     | 1        |           |
| Compartment 1 Sludge accumulation (Inches, if other specify):                   | 14       |           |



# Septic System & Sewage Complaint Response





## Kitsap Health's Stream Monitoring

- 💧 1995 – monitored 56 streams, 13 met standard
- 💧 2018 – monitored 69 streams, 35 met standard.



## Conducting Investigations



- 💧 **Shoreline hot spots**
- 💧 **Stream segmentation**
- 💧 **Complaints and pump reports**

### Using:

- 💧 **Water sampling for FC**
- 💧 **Dye testing**
- 💧 **MST**
- 💧 **CEC**

## Developing Effective Education Programs



- Education for adults and children that help prevent pollution while meeting stormwater permit requirements



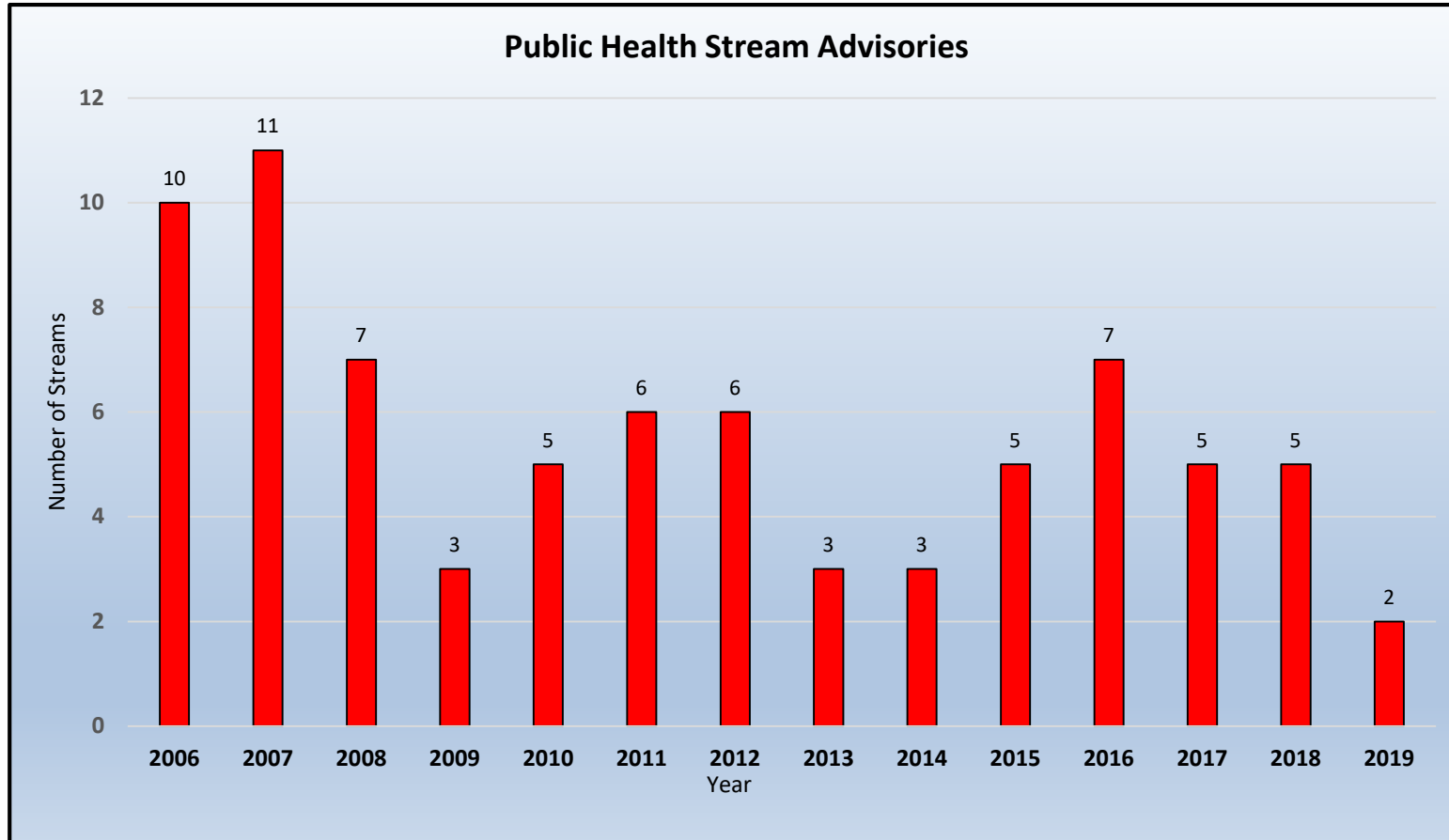
# Public Education and Outreach



## Staying Nimble

- 💧 **Educate new septic system owners**
- 💧 **We are using pump vouchers to encourage participation**
- 💧 **Instead of watersheds we focus on stream segments**
- 💧 **We dropped marine sampling –Point of compliance is the shoreline**
- 💧 **We use data and analysis to drive where we work and what we focus on**

# Improving Stream Water Quality Public Health Advisories



Partners in Stormwater Solutions





# *Clean Water Kitsap*

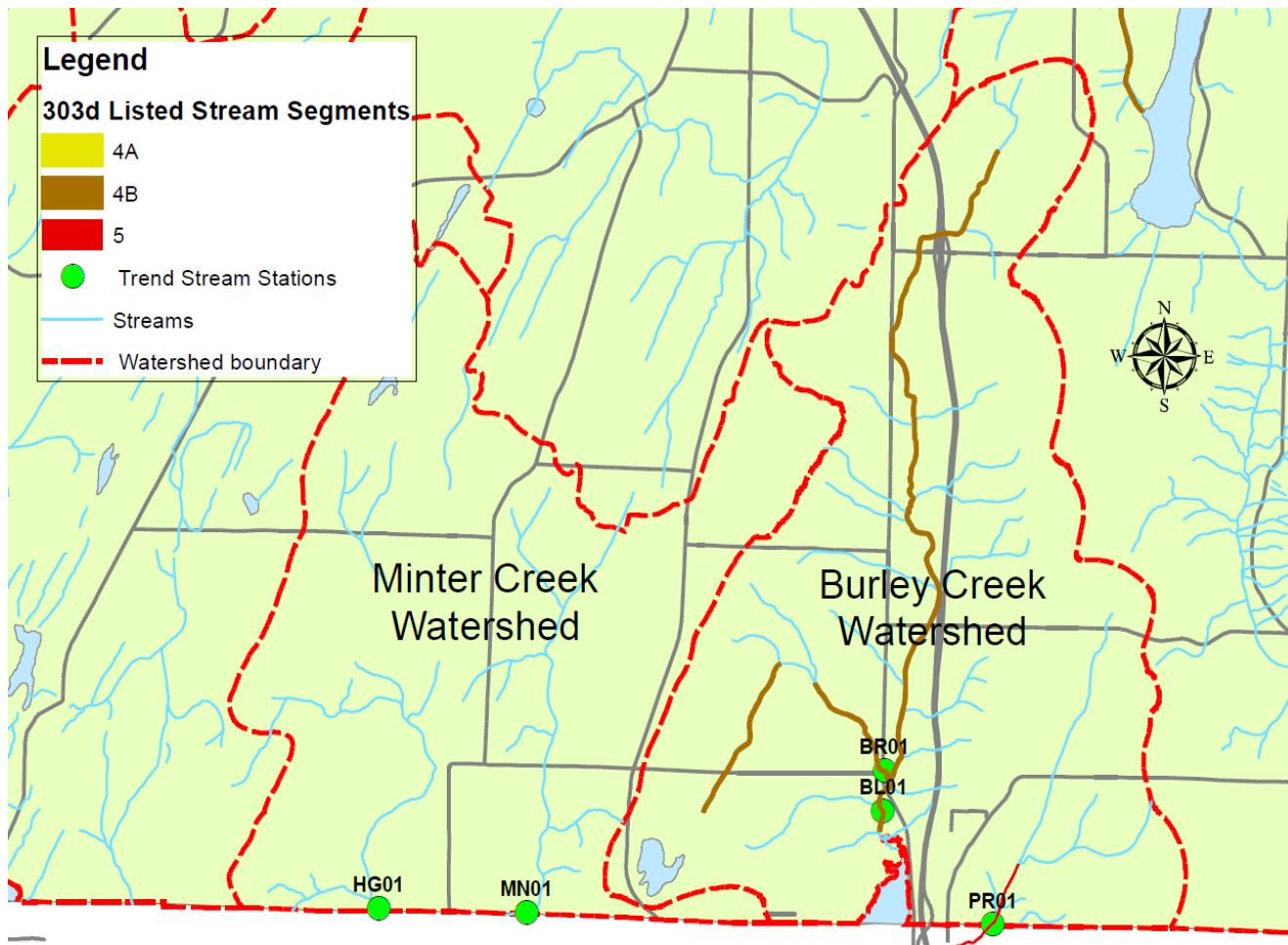
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*Questions?*

## New Approaches

### Watershed Corrective Action Plan – Burley Lagoon



### 2017 – Developed Watershed Corrective Action Plans

#### Prioritize

- ◆ Clean Water Act listings
- ◆ Ambient monitoring fails standard
- ◆ EC segment monitoring fails standard
- ◆ Confirmed shoreline hotspot