Kitsap County
Surface & Stormwater Management Program

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Senior Program Manager
Kitsap County SSWM Program

A unique approach to non-point pollution control that is:

• coordinated
• comprehensive
• multi-agency
Outline

- Program Agencies
- Program History
- Surface and Stormwater Fund Activities
- Lessons Learned
SSWM Agencies

- Kitsap County Public Works
- Kitsap County Health District
- Kitsap Conservation District
- Kitsap County Community Development
Program History

• 1st Attempt 1983 was Basin Specific
  – Likely Failed due to “We know what you Need” Perception – and
  – Process Too Fast

• 1987 Drainage Ordinance
  – Established maintenance fee program

• 1987-1991 Stormwater Spotlight Brightens
  – Puget Sound Water Quality Plan
  – WAC 400-12 Plans
Program History

• Program Established in October 1993
  – Funding source for 400-12 Plans
• Comprehensive Plan September 1994
  – Used to set fee
    • Initial Plan had $60.00 fee
    • Final Fee $45 per home per year
• Rate Structure Effective January 1995
  – Immediately revised to exclude timber and undeveloped land
SSWM Program Fees

• Based on Equivalent Service Units of 4,200 ft$^2$ of impervious surface
• Residential = 1 ESU
• Commercial based on measured impervious surface
• ~111,100 ESU’s in 2007
• ~ 1% growth rate per year
Program History

- 1996 Two new Commissioners
  - Value Analysis
    - Advisory Committee
    - Longer Budget Projections
- 2003 Determine need for fee Increase
  - “Just a Latte a month”
  - Too Much at 1 time
    - Rate Increase + New Programs
- 2004 Rate Hearings
  - Public Comment ~ 4 to 1 Against
<table>
<thead>
<tr>
<th>Action</th>
<th>Status Quo</th>
<th>Proposed Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing Annual Fee Rate</td>
<td>$ 45.00</td>
<td>$ 45.00</td>
</tr>
<tr>
<td>Adjust Rate for Inflation</td>
<td></td>
<td>$ 6.92</td>
</tr>
<tr>
<td>Fee Credit Program</td>
<td></td>
<td>Included in Inflation Adjust</td>
</tr>
<tr>
<td>OSS Loan Program</td>
<td></td>
<td>Included in Inflation Adjust</td>
</tr>
<tr>
<td>Increase Capital Expenditure</td>
<td></td>
<td>$ 3.96</td>
</tr>
<tr>
<td>Runoff Control Rvw Funding</td>
<td></td>
<td>$ 4.50</td>
</tr>
<tr>
<td>NDAP</td>
<td></td>
<td>$ 0.41</td>
</tr>
<tr>
<td>Private Fish Passage Database</td>
<td></td>
<td>$ 0.15</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$ 45.00</td>
<td>$ 60.94</td>
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</tbody>
</table>
Program History

• 2005 Utility Audit
  – Generally positive
  – Satisfied critics
  – Results in Higher Rate
    • $2.30 for asset replacement
<table>
<thead>
<tr>
<th></th>
<th>1995</th>
<th>2005</th>
<th>Difference</th>
<th>% Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facilities Maintained</td>
<td>147</td>
<td>494</td>
<td>347</td>
<td>236%</td>
</tr>
<tr>
<td>Catch Basins Cleaned</td>
<td>1200</td>
<td>10,340</td>
<td>9,140</td>
<td>762%</td>
</tr>
<tr>
<td>Accounts (Developed Properties)</td>
<td>49,424</td>
<td>57,271</td>
<td>7,847</td>
<td>15.90%</td>
</tr>
</tbody>
</table>
## Work Load Indicators

<table>
<thead>
<tr>
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<th>1995</th>
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<th>% Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sediment Removed from Facilities</td>
<td>175 cubic yards</td>
<td>1450 cubic yards</td>
<td>1275 cubic yards</td>
<td>7285%</td>
</tr>
<tr>
<td>Revenue</td>
<td>$4,200,568</td>
<td>$4,866,556</td>
<td>$665,988</td>
<td>15.9%</td>
</tr>
<tr>
<td>Gallon of Regular Gas (national ave)</td>
<td>$1.06</td>
<td>$2.19</td>
<td>$1.13</td>
<td>1058%</td>
</tr>
<tr>
<td>Stormwater Fee</td>
<td>$ 45/yr</td>
<td>$ 50/yr</td>
<td>$5</td>
<td>11.10%</td>
</tr>
</tbody>
</table>
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</thead>
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<tr>
<td>Drainage</td>
<td>200</td>
<td>35</td>
<td>-165</td>
<td>-82.50%</td>
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<tr>
<td>Complaints</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Inflation as determined by the Consumer Price Index-Urban for Seattle-Tacoma-Bremerton for this period is 31.5%

Average fee of Bremerton ($72), Poulsbo ($90), Bainbridge Island ($78) in 2006 = $80.00 for homes

**Kitsap is $50 or 37.5% less**

Bremerton ($1254), Poulsbo ($1307), Bainbridge Island ($1133) in 2006 = $1231 for 1 Acre of commercial parking/rooftop

**Kitsap rate is $518 or 58% less**
Surface & Stormwater Fund Activities

- Basin and Watershed Planning
- Education/Outreach and Involvement
- Capital Improvements
- Operations and Maintenance
- Monitoring
- Source Control
- Shellfish Protection

Kitsap Code 12.36.050
Basin and Watershed Planning

• Non Point Source Planning
  • Liberty/Miller Bay, Dyes/Sinclair Inlet, Hood Canal

• Localized Drainage Studies
  • Manchester, Suquamish, Navy Yard City, Kingston, East Port Orchard, Clear Creek, Converse Ave

• Alternative Futures
  • Chico Creek
  • Silverdale (Barker, Clear, Steele)

• Water Resource Inventory Area (WRIA)
  • Water Purveyors, Counties, Cities, Tribes
Education/Outreach

- Credit for public schools that include water-related curriculum
- Community, Industry, and School presentations
- Coordination and partnership with other agencies
- Stream and watershed signage
Thumbs Up Thumbs Down
Entering Sinclair Inlet Watershed

Storm water run off flows into Sinclair Inlet

Mason County Line
STEELE CREEK
Public Involvement

• Stream Team
  – Organizes over 200 volunteers per year
  – Stream restoration and monitoring
  – Provides Small Project Grants
• Advisory Committee
• Community Surveys
• Storm Drain Stenciling
Stream Planting
Storm Drain Stenciling
Capital Project Construction

- Flood reduction
- Water quality enhancement
- Fish passage enhancement
- Project design and management
Clear Creek Flood Plain
Monitoring

- Trend Monitoring
- Pollutant source tracking
- Response to citizens
- Enforcement
- Compliance
Ambient Water Quality & Shellfish Monitoring
Stormwater Outfall Mapping and Water Sampling
Source Control Programs

- Pollution Identification and Correction
- Septic Operations and Maintenance
- Wellhead Protection
- Business Pollution Prevention
- Agricultural
Bacteria Source Control
Bacteria Source Control
Bacteria Source Control
Operations and Maintenance

• Maintain or Operate
  • Systems in over 785 plats
  • Over 550 ponds, tanks, swales, WQ devices
  • Over 225 miles of pipe and 11,000 catch basins
  • 3 regional decant facilities

• Inspect
  • County-maintained systems
  • 700 private systems
  • 400 large or deep culverts
  • Complaint Response
Vault Inspection
Lessons Learned

• Base program on items that cannot be argued (Flood Reduction and Water Quality)

• Brag early and often

• “Brand” your utility (Think Blue in San Diego)
Lessons Learned

• Show your results

• Exploit partnerships and efficiencies

• Benchmark

• Plan financially for Asset Replacement
Lessons Learned

• May charge WSDOT roads @ 30% of private rate as long as local roads pay at least the same
  (RCW 90.03.525)
Lessons Learned

• Avoid Acronyms (SWAMP, Now “swim”)

• Unions can be impacted

• Billing via Tax statement is inexpensive, but leads to other issues
Questions?
SSWM Program Fees

- 1995-2004 = $45.00 per ESU
- 2005 = $47.50
- 2006 = $50.00
- 2007 = $57.30
- 2008 = $62.30
- 2009 = $67.30
- 2010 = $69.80
Local SSWM Fees

- Bremerton = $72 per ISU (2,500 ft\(^2\))
  - $1,255 per acre
- Bainbridge Island = $115 per ESU (2,500 ft\(^2\))
  - $1,670 per acre
- Poulsbo = $90 per ESU (3,000 ft\(^2\))
  - $1,307 per acre
- Kitsap County = $57.30 per ESU (4,200 ft\(^2\))
  - $596 per acre
2007 Budget

- Public Works
  - $4,056,539 Operations
  - $1,222,971 Capital Construction
- Community Development
  - $281,249
- Conservation District
  - $324,296
- Health District
  - $874,525
2007 Expenditures by Fund Activity

- Capital Improvements: 36%
- Operations & Maintenance: 24%
- Outreach & Education: 5%
- Planning: 2%
- Monitoring: 8%
- Source Control: 15%
- Program Administration (PW): 10%