

# **Sinclair and Dyes Inlets Fecal Coliform TMDL Community Advisory Committee October 19, 2006**



# *Water Quality Standards*

## *Protect These Beneficial Uses*

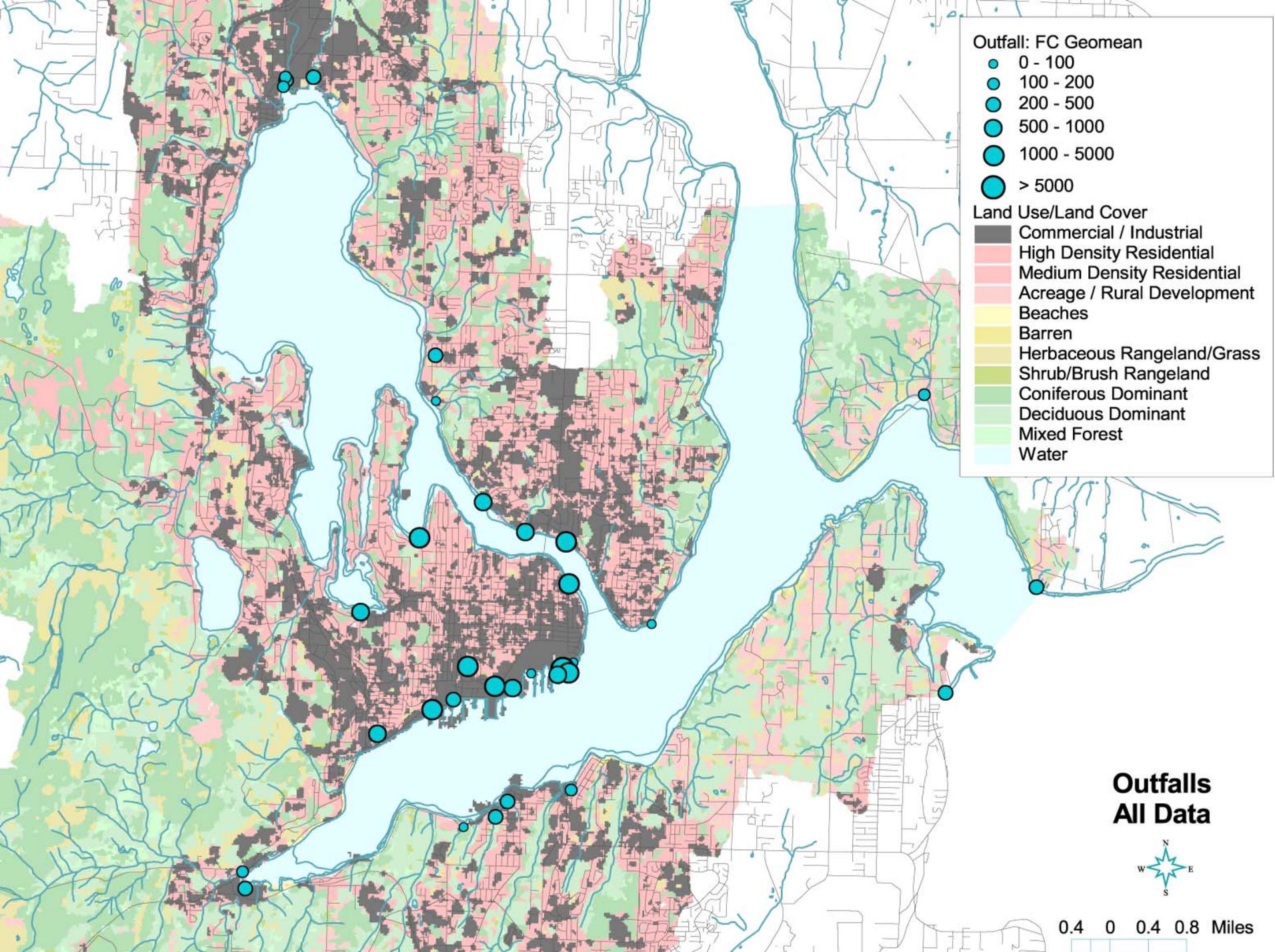
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- **Shellfish Harvest**
- **Fishing**
- **Contact Recreation**
  - **Swimming**
  - **Boating**
- **Aquatic Life (Fish & Wildlife Habitat)**
- **Shoreline Development**
- **Commercial & Industrial Activity**
  - **Shipping**
  - **Marinas**
  - **Shipyards**



# ***Sinclair and Dyes Inlets TMDL (Water Quality Improvement Plan) will include...***

- **Goal -- increase areas open to shellfish harvest (& protect other uses)**
- **Technical Study – determine critical conditions and most important loading sources of bacteria**
- **Plan for reducing bacteria inputs – with input from Tribes & local organizations**



# *Update -- Sinclair and Dyes Inlets Fecal Coliform TMDL*

- **Ecology's role -- Review Navy model – Define critical conditions for TMDL model runs**
- **Outcome of modeling – determine load allocations, wasteload allocations**
- **Implementation plan –**
  - **Requirements (stormwater permittees and municipal sewage treatment facilities )**
  - Recommendations**

## *Implementation Plan – Point Sources*

- **Fecal coliform sources dictate strategies**
- **Stormwater as source/conveyor – Ecology's new stormwater permit for smaller municipalities**
- **Stormwater permittees will have permit requirements (Best Management Practices – EPA guidance)**
- **Wastewater treatment plants could have reduced effluent limits**

## *Implementation Plan – Nonpoint Sources*

- **Current programs (Kitsap Health PIC) to address bacteria inputs to streams**
- **Further identify fecal coliform sources (BST)**
- **Shoreline sources – boats and marinas**
- **Better funding & programs to prevent/reduce spills/CSOs/replace aging sewer infrastructure**

# *Strategies, Methods for Reducing Fecal Coliform Inputs*

- **Battelle – Sinclair Dyes Inlets FC TMDL Report**
- **Nonpoint action plans**
- **Ecology’s Stormwater Manual, Volume IV, chapter 2**
- **Improved maintenance of stormwater infrastructure; education (Kitsap Health Dyes Inlet Centennial Grant project)**

## ***Implementation Plan – Next Steps***

- **Spring 2007 – Outline of strategy & process for developing a draft**
- **Ecology convenes a workgroup**
- **Role of permittees**
- **Role of watershed organizations**
- **Requirements for stormwater permittees**
- **Additional recommendations supported by implementation workgroup**

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