Community Salmon Investigation (CSI) for Highline: 2018 Results

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Miller-Walker Basin Steward
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Outline

• Program Overview
• Surveys Findings
• Implementing Changes
Miller-Walker Stewardship Program

Miller-Walker Basin - Local partners working together for clean water and healthy streams
Miller-Walker Basin Planning

Miller and Walker Creeks Basin Plan

Executive Proposed – February 2006

Port of Seattle
Coffman

Washington State Department of Transportation
King County

Monitoring Workshops
Burien, 2008

Miller Walker Basin - Local partners working together for clean water and healthy streams
What type of Salmon are in Miller and Walker Creeks?

**Coho**
17-38 in

**Chum**
30-42 in

*Miller Walker Basin* - Local partners working together for clean water and healthy streams
Where? Miller and Walker Creek

Survey Areas in Red

The Cove
NP Swim Club
NP City Hall
Sylvester Bridge
Plant
Miller Creek
Sequoia Creek
Walker Creek
Miller Creek
Puget Sound
Community Driven Effort

32 volunteers and 445 hours!!

Miller Walker Basin - Local partners working together for clean water and healthy streams
Data Collection
Salmon Abundance

Soos Creek (hatchery, Green River)

Live Fish Observed


25 508 432 28 43 31

Miller Walker Basin - Local partners working together for clean water and healthy streams
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Coho Spawning Success

Miller Walker Basin - Local partners working together for clean water and healthy streams
Coho Pre-Spawn Mortality

Miller Walker Basin - Local partners working together for clean water and healthy streams
Emerging Science: Runoff Toxicity


0% Survival

100% Survival

Photos: Tiffany Royal, Northwest Indian Fisheries Commission
Stormwater Retrofit Planning

80 potential projects
→ 30 high priority projects
→ 4 Pre-engineering Design
Community Stormwater Retrofits

Legend
- 5-foot Contours
- ROW

Existing
- Structures
- Flow Control
- Storm Drain Pipe
- Ditch
- Drainage Areas

Proposed
- Bioretention
- Permeable Pavement

Convert existing detention pond to bioretention facility to manage stormwater runoff from SW 148th St and 7th Ave SW

Divert stormwater runoff from existing drainage in SW 148th St and 7th Ave SW to bioretention facility

Divert stormwater runoff from parking lot proposed

Rain Gard Learn & Do

King Co. District Court, Burien

SW 165th St, Burien
• 10th Anniversary
• Center for Urban Waters Partnership
• Stormwater retrofits
• Outreach and education
Thank You!!

Miller Creek Park,
Burien: May 18th

Walker Preserve,
Normandy Park: April 27th

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