## Operations and Maintenance Worksheet

***Directions:*** *Before our workgroup meeting on* **May 5, 2021,** *please take 15-30 minutes to review this worksheet and brainstorm opportunities to benefit water quality through operations and maintenance. Please come to the workgroup meeting prepared to discuss. If you do not have time prepare before we meet, you may submit this form to Devan Rostorfer (**dros461@ecy.wa.gov**) by* **June 1, 2021.**

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| **Participants:** Brian Potter, Tim Esary, Tim Buck, Aron Rice **Priority areas for water quality:** Priority areas for water quality are summarized in the “priority areas” table. Reference the [Burnt Bridge Creek Source Assessment](https://apps.ecology.wa.gov/publications/documents/2003016.pdf) for more information.**Operations and maintenance discussion topics** * Greenways and sensitive lands
* Stormwater maintenance – IDDE, TVing, catch basin cleaning, street sweeping facility maintenance,
* Erosion Control
* Leaf management
* Unhoused population
* Other
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### **Resources, reports, or websites Ecology should reference for information**

1.

2.

3.

### **Priority areas for operations and maintenance to improve water quality**

|  |  |
| --- | --- |
| **From Ecology’s Source Assessment, 2020** | **Bacteria*** *Tributaries:* Peterson Channel, Cold Creek, Burton Channel, RM
* *Middle watershed:* BBC08.4 during the dry season; BBC07.0 during the wet season.
* *Lower watershed:* BBC04.3, BBC03.4, BBC02.6, and BBC01.6 during the wet season.
* 2,000 septic systems in middle watershed, 700 in lower watershed, 1,000 in upper watershed.

**Temperature*** River miles 0, 5.9 and 7.0 have highest temperatures.
* Largest average shade deficit is 62% in upper watershed, followed by 39% in middle watershed.
* River miles over 50% shade deficit are RM12-13 = 87% , RM 7-8 = 83% , RM11-12 = 73%
* River miles over 30% shade deficit are RM 8-9 = 44%, RM 0-1 = 43%, RM 4-5 = 36%, RM 6-7 = 35%, RM 1-2 = 31%.

**Dissolved Oxygen** * Sites with the highest count of noncompliant days are in the upper watershed (BBC11.4 and BBC10.8) and middle watershed (BBC07.0 and BBC05.9).

**pH*** Most sites had low counts of noncompliant days (≤ 3 days), except for BBC00.0 (12 days).
 |
| **Subwatersheds / Catchments / Drainage Areas** |  |
| **Neighborhoods** |  |
| **Roads** |  |
| **River miles**  |  |
| **Parcel IDs** |  |
| **Outfalls** |  |
| **Facilities** |  |

### **Operations and maintenance goals, actions, and opportunities**

1.

2.

3.

### **Operations and maintenance implementation challenges**

1.

2.

3.

### **Milestones, targets, and timelines for implementation**

|  |  |
| --- | --- |
| **Milestone** | **Target Date**  |
| **1.** | **2023** |
| **2.** | **2025** |
| **3.** | **2027** |
| **4.** | **2030** |
| **5.** | **2033** |

### **Criteria to measure implementation progress (performance measures)**

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| **Criteria to measure progress**  |
| **1.** |
| **2.** |
| **3.** |
| **4.** |
| **5.** |

### **Funding Sources and Implementation Partners**

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| --- | --- |
| **Funding Sources**  |  |
| **Implementation Partners**  |  |

## DRAFT Timeline

* **April-May 2021**: Implementation Workgroups.
* **June 1, 2021:** Completed Worksheets due to Ecology.
* **Summer 2021:** Full Burnt Bridge Creek Partnership meeting (report out on what we learned at workgroups)
* **Summer 2021:** External partnership meeting – LCEP, Watershed Alliance, WSDOT, Clark County Clean water Division, Clark County Public Health, Clark Conservation District, LCFRB, etc.
* **Fall 2021:** Public Webinar
* **January 2022:** Internal Draft (City of Vancouver, Ecology, and EPA)
* **Spring 2022:** External Draft Burnt Bridge Creek Water Cleanup Plan ‘
* **Summer 2022:** Publish *Burnt Bridge Creek Water Cleanup Plan*