

7/12

Outfall Reconnaissance Inventory for Volunteer Water Monitors

Section 1: Background Data

Subwatershed: <u>SLIGO CREEK</u>	Outfall ID: <u>KE 01</u>	Today's date: <u>8/3/12</u>
Time (Military): <u>1530</u>	Investigators: <u>Paul</u>	Photo #s:
Nearest Street Address: <u>MAPLE AVENUE, TAKOMA PARK</u>	Rainfall (in.): Last 24 hours: <u>0"</u>	Last 48 hours: <u>≈ 10"</u>
Land Use in Drainage Area (Check all that apply): <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Open Space <input type="checkbox"/> Institutional		
Known Industries: <u>LAUNDRIES?, AUTOMOTIVE REPAIR</u> Notes (e.g., origin of outfall, if known):		

Section 2: Outfall Description & Quantitative Characterization

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> Steel <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	Circular, diameter: <u>80"</u> Box: h - _____ w - _____ Elliptical: h - _____ w - _____	In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete	<input type="checkbox"/> Rip-rap	<input type="checkbox"/> Earthen	<input type="checkbox"/> Other: _____
<input type="checkbox"/> In-Stream	Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description		<input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Substantial		
PARAMETER	RESULT	UNIT	EQUIPMENT	
Ammonia	<u>74% A 0.13</u> <u>73% B 0.40</u>	mg/L	<u>La Motte 1200</u>	

Two pipes

DISTILLED REAGENT BLANK = 0.21

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow?  Yes  No (If No, Skip to Section 5)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input checked="" type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input checked="" type="checkbox"/> Other: <u>SOAP</u>	<input type="checkbox"/> 1 - Faint	<input checked="" type="checkbox"/> 2 - Easily detected	<input type="checkbox"/> 3 - Noticeable from a distance
Color	<input type="checkbox"/>	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint colors in sample bottle	<input type="checkbox"/> 2 - Clearly visible in sample bottle	<input type="checkbox"/> 3 - Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 - Slight cloudiness	<input type="checkbox"/> 2 - Cloudy	<input type="checkbox"/> 3 - Opaque
Floatables - Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Few/slight	<input type="checkbox"/> 2 - Some	<input type="checkbox"/> 3 - Obvious

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present?  Yes  No (If No, Skip to Section 6)

INDICATOR	CHECK if Present	DESCRIPTION
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:
Excessive Vegetation	<input type="checkbox"/>	<u>greenish fringe to receiving pool</u>
Poor pool quality	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Odors <input checked="" type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input checked="" type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:
Pipe benthic growth	<input checked="" type="checkbox"/>	<input type="checkbox"/> Brown <input checked="" type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:

Free Cl<sup>-</sup>/Br<sup>-</sup> ≈ 5 ppm Free Cl<sup>-</sup>/Br<sup>-</sup> ≈ 5 ppm \*small, few, Only

Section 6: Overall Outfall Characterization

Unlikely  Potential (presence of two or more indicators)  Suspect (one or more indicators with a severity of 3)  Obvious

Section 7: Notes

pH<sub>30</sub> Tester - (A) pH ≈ 8.0 (B) pH ≈ 8.0 (A) saw marked increase  
 all at ≈ 100

Ⓐ pH 7.4 (TA) Alkalinity  $\approx 100$   
Ⓑ pH 7.5 (TH) Hardness  $\approx 300$   
CA  $\approx 50$

(TA) Alkalinity  $\approx 100$   
(TH) Hardness  $\approx 300$   
CA  $\approx 50$

in some cases change during sampling of B