OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

	0										
Today's date:	Time (Military):				Subwatershed:			Outfall ID:			
Investigators:	Form completed by:				Temperature (°F):						
Camera: P			Photo #s:				Rainfall (in.): Last 24 hours:			Last 48 hours:	
Latitude: Long			ongitude:			GPS U	Jnit:		GPS LMK #:		
Land Use in Drair	nage Area (Check all th	at apply)):								
☐ Industrial	Ultra-Urban Resid	☐ C	☐ Commercial ☐ Open Space ☐ Suburban Residential					☐ Institutional			
Other:					Known Ind	lustries:					
Section 2: Outfall Description											
LOCATION	MATERIAL			:	SHAPE		DIMENSIONS (IN.)		SUBMERGED		
	☐ RCP	☐ Cl	CMP		☐ Circular		☐ Single Diar		ular:	In Water: ☐ No	
☐ Closed Pipe	☐ PVC	☐ H	HDPE		☐ Elliptical		Oouble	Box: h	_ w	Partially*	
_	☐ Steel				Box	Box 🔲 T		riple Elliptical:		☐ Fully* With Sediment:	
☐ Manhole	Other:		_ [Other:	Other:		h w -		☐ No ☐ Partially ☐ Fully	
		☐ rip	ip-rap □ Earthen		☐ Trapezoid ☐ Oth ☐ Parabolic		Depth: Top Width:		-		
Open drainage	Other:										
☐ In-Stream Complete Stream Discharge form											
Flow Present?	☐ Yes		□ No	If No,	Skip to Section 5	Flow	Description	on 🗌 Trickle	☐ Moderate	Substantial	
Section 3: Quantitative Characterization											
FIELD DATA FOR FLOWING OUTFALLS											
PARAMETER			RESULT			UNIT		EQUIPMENT			
□Flow #1	Volume					Liter		Bottle			
	Time to fill					Sec		Sec	Stopwatch		
□Flow #2	Flow width		, <u> </u>		"			Ft, In	Tape measure		
	Flow depth				3		In		Tape measure		
	Time of travel (thalweg)		12		3		Sec		Stop watch		
	Measured length				"		Ft, In		Tape measure		
□Flow #3	Flow depth						In		Tape measure		
(only for free- flowing outfalls)	Wetted width						ft		Tape measure		
Ammonia							mg/L		Colorimeter		
Temperature								°F			
pН											
Potassium							Ppm		Ion probe		
Detergents							Ppm		Chemets kits		
Fluoride							Mg/L		Photometer		
Conductivity							μS		Conductivity probe		

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only Are Any Physical Indicators Present in the flow?
Yes No (If No, Skip to Section 5) CHECK if INDICATOR DESCRIPTION **RELATIVE SEVERITY INDEX (1-3) Present** ☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ 3 – Noticeable from a Odor $\prod 1 - \text{Faint}$ \square 2 – Easily detected distance ☐ Sulfide Other: ☐ Clear ☐ Brown ☐ Gray ☐ Yellow \square 1 – Faint colors in \square 2 – Clearly visible in \square 3 – Clearly visible in Color П outfall flow sample bottle sample bottle Green ☐ Orange Red Other: Turbidity See severity ☐ 1 – Slight cloudiness \square 2 – Cloudy 3 – Opaque ☐ 3 - Some; origin clear \square 2 – Some; indications Floatables ☐ Sewage (Toilet Paper, etc.) ☐ Suds \square 1 – Few/slight; origin of origin (e.g., (e.g., obvious oil -Does Not Include sheen, suds, or floating not obvious possible suds or oil Other: Petroleum (oil sheen) Trash!! sheen) sanitary materials) 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 DESCRIPTION CHECK if Present COMMENTS** Spalling, Cracking or Chipping ☐ Peeling Paint П Outfall Damage Corrosion Other: Deposits/Stains П Oily Flow Line Paint Excessive Inhibited Abnormal Vegetation ☐ Colors ☐ Odors ☐ Suds ☐ Floatables ☐ Oil Sheen Poor pool quality Excessive Algae Other: ☐ Brown ☐ Orange Green Other: Pipe benthic growth **Section 6: Overall Outfall Characterization** Potential (presence of two or more indicators) Suspect (one or more indicators with a severity of 3) ☐ Obvious Unlikely **Section 7: Data Collection** External lab sample (50 ml, plastic)? ☐ Yes ☐ No 2. Internal lab sample (~50 ml, whirlpack)? Yes ☐ No Π̈́Nο Sterile sample for bacteria analysis (100 ml, whirlpack)? Yes Yes Sample(s) collected from: ☐ Flow ☐ Pool 5. Duplicate collected? □ No If yes, check appropriate: External lab Internal lab ☐ Sterile

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs) or other Notes?