

MONITORING PLAN – Attachment 4 – Sample Field Sheet
 SWAMP RECREATIONAL USE STUDY
 LABOR DAY WEEKEND 2008

SWAMP Field Data Sheet (Water Chemistry & Discrete Probe) - EventType=WQ						REQ. BOARD # 16 July 2008			Entered in database (initial/date)			Pg _____ of _____ Pgs			
*StationID: _____				*Date (mm/dd/yyyy): _____ / _____ / _____				*Group: _____			*Agency: _____				
*Funding: _____				ArrivalTime: _____		DepartureTime: _____		*SampleTime (1st sample): _____			*Protocol: _____				
*Personnel: _____				*Purpose (circle all that apply): WaterChem WaterTox FieldObs FieldMeasure						*PurposeFailure: _____					
*Location: Bank Thalweg Midchannel OpenWater				*GPS/DGPS		Lat (dd.ddddd)		Long (ddd.ddddd)		OCCUPATION METHOD: Walk-in Bridge R/V _____ Other					
GPS Device: _____				*Target: _____		-		-		STARTING BANK (facing downstream): LB / RB / NA					
Datum: NAD83		Accuracy (ft / m): _____		*Actual: _____		-		-		Point of Sample (if Integrated, then -88 in dbase)					
Field Observations (SampleType = FieldObs)						WADEABILITY: Y / N / Unk		BEAUFORT SCALE (see attachment):		DISTANCE FROM BANK (m):		STREAM WIDTH (m):			
SITE ODOR: None,Sulfides,Sewage,Petroleum,Mixed,Other _____												WATER DEPTH (m):			
SKY CODE: Clear, Partly Cloudy, Overcast, Fog						WIND DIRECTION (from):				HYDROMODIFICATION: None, Bridge, Pipes, ConcreteChannel, GradeControl, Culvert, AerialZipline, Other					
OTHERPRESENCE: Vascular,Nonvascular,OilySheen,Foam,Trash,Other _____						PHOTOS (RB & LB assigned when facing downstream; RENAME to StationCode_yyyy_mm_dd_uniquecode):						1: (RB / LB / BB / US / DS / ##)			
DOMINANTSUBSTRATE: Bedrock, Concrete, Cobble, Gravel, Sand, Mud, Unk, Other						WATERCLARITY: Clear (see bottom), Cloudy (>4" vis), Murky (<4" vis)						PRECIPITATION: None, Fog, Drizzle, Rain, Snow		2: (RB / LB / BB / US / DS / ##)	
WATERODOR: None, Sulfides, Sewage, Petroleum, Mixed, Other						PRECIPITATION (last 24 hrs):						Unknown, <1", >1", None		3: (RB / LB / BB / US / DS / ##)	
WATERCOLOR: Colorless, Green, Yellow, Brown						OBSERVED FLOW: NA, Dry Waterbody Bed, No Obs Flow, Isolated Pool, Trickle (<0.1cfs), 0.1-1cfs, 1-5cfs, 5-20cfs, 20-50cfs, 50-200cfs, >200cfs									
Field Measurements (SampleType = FieldMeasure; Method = Field)															
	DepthCollec (m)	Velocity (fps)	Air Temp (°C)	Water Temp (°C)	pH	O ₂ (mg/L)	O ₂ (%)	Specific Conductivity (uS/cm)	Salinity (ppt)	Turbidity (ntu)	Stage Ht (units _____)				
SUBSURF/MID/BOTTOM/REP															
SUBSURF/MID/BOTTOM/REP															
SUBSURF/MID/BOTTOM/REP															
Instrument:															
Calib. Date:															
Samples Taken (# of containers filled) - Method=Water_Grab						Field Dup YES / NO: (SampleType = Grab / Integrated; LABEL_ID = FieldQA; create collection record upon data entry)									
SAMPLE TYPE: Grab / Integrated		COLLECTION EQUIPMENT: Indiv bottle (by hand, by pole, by bucket); Teflon tubing; Kemmer; Pole & Beaker; Other _____													
	DepthCollec (m)	Inorganics	Bacteria	Chl a	TSS / SSC	TOC / DOC	Total Hg	Dissolved Mercury	Total Metals	Dissolved Metals	Organics	Toxicity	VOAs		
Sub/Surface															
Sub/Surface															
COMMENTS:															

Bacteria Processing Worksheet
 SWAMP RECREATIONAL USE STUDY
 LABOR DAY WEEKEND 2008
 CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD (16 July 2008)

Run:											Sample Processing Date:										
Sample ID #:																					
Site Code:																					
Yellow +	# Small Wells																				
	# Large Wells																				
	Empty Wells																				
	MPN																				
Yellow + Fluorescence (+)	# Small Wells																				
	# Large Wells																				
	False Positives																				
	MPN																				
Temp/Time	Start	4Hr. Check					14 Hr. Check					18 Hr. Check					22 Hr. Check, if needed				
	FIELD DUPLICATES										LAB DUPLICATES										
	Normal Sample #					Duplicate Sample #					Normal Sample #					Duplicate Sample #					
	MPN		95% CI		MPN		95% CI		MPN		95% CI		MPN		95% CI		MPN		95% CI		
			Lower	Upper			Lower	Upper			Lower	Upper			Lower	Upper			Lower	Upper	
TOTAL COLIFORM	Normal Duplicate Mean		Pass	Needs Review	Normal Duplicate Mean		Pass	Needs Review	Normal Duplicate Mean		Pass	Needs Review	Normal Duplicate Mean		Pass	Needs Review	Normal Duplicate Mean		Pass	Needs Review	
E. COLI	Normal Duplicate Mean		Pass	Needs Review	Normal Duplicate Mean		Pass	Needs Review	Normal Duplicate Mean		Pass	Needs Review	Normal Duplicate Mean		Pass	Needs Review	Normal Duplicate Mean		Pass	Needs Review	
BLANKS	Field Sample #		Pass	Needs Review	Lab Sample #		Pass	Needs Review	Field Sample #		Pass	Needs Review	Lab Sample #		Pass	Needs Review	Field Sample #		Pass	Needs Review	
Mean = Mean of Normal and Duplicate, which is then compared to the individual corresponding CI's to determine acceptability of data Sampler Signature / Date / Time Arrived: _____ Placed in Incubator By / Date / Time: _____ Trays Read By: _____ Processor / Date / Time: _____ Pulled from Incubator By / Date / Time: _____ Entered into database: _____ NOTES: _____																					