BLM Number _____

MARCH 27, 2013 1445

FIELD FORM

ARAVAIPA CANYON WILDERNESS AREA

Site Code _____

Site Name ARAVAIPA CREEK - WEST WILDERNESS BOUNDARY

Field Crew B. WELLS D. MURRAY

FIELD DATA

Air Temp.		°C	Sp Cond.	392.40	µS/cm	Weather Conditions:		
Water Temp.	18.7	°C	ORP	-100.80	mVolt			
D.O.	8.97	mg/L	Turbidity	Avg= NTU	Bottle 1= NTU		DI Bottle 1= NTU	
D.O. %	96.20	%	Standard		Bottle 2= NTU		DI Bottle 2= NTU	
pH	8.81	SU	Calibration	Cal = NTU Read= NTU	Bottle 3= NTU		DI Bottle 3= NTU	

FIELD CALIBRATIONS

SEE LOG MUTIPROBE LOG BOOK _____ FOR CALIBRATION INFORMATION

% D.O.	Barometric Pressure in mm Hg = 690.40	Post-cal. Reading = %

SAMPLE COLLECTION INFORMATION

☐ Grab ☐ Submerged Bottle (s) ☐ Reach pole ☐ Churn Splitter

Circle where sample taken	LEW----- ¾ ----- ½ ----- ¼ -----REW	Run ☐, Riffle, ☐, Pool ☐

E. COLI

Collection Time		Incubation Time-in		Enumeration Time	
Number Positive Large Wells		Number of Positive Small Wells		Most Probable Number	

EQUIPMENT USED ,LOT NUMBERS, SAMPLES COLLECTED, GENERAL CONDITIONS

Parameter	Serial or Lot #	Samples Collected	Condition sampled	Pictures
Multiprobe	YSI PRO PLUS SN: JC011544	Inorganics ☑	Baseflow ☑	Upstream ☑
Turbidity meter		Metals ☐	Storm flow ☐	Downstream ☑
Flow meter	MM FLOMATE 2K SN: 2003459	Nutrients ☐	Spring Runoff ☐	Left Bank ☐
Sulfuric Acid		SSC ☐		Right Bank ☐
Nitric Acid		Bacteria ☐		Other (specify) ☐
Other		Clean Metals ☐		

Form Checked by ☐

FLOW MEASUREMENTS TOTAL Q= 13.84 CFS

Measurement from Run ☑, Riffle, ☐, Pool ☐

Station	Distance (ft)	Depth (ft)	Velocity (ft/s)	Comments
1 27.8		0.00	0.00	LEW
2 28.3		0.17	0.67	
3 28.8		0.19	0.72	
4 29.3		0.22	1.01	
5 29.8		0.29	1.32	
6 30.3		0.20	1.40	
7 30.8		0.28	1.12	
8 31.3		0.27	1.30	
9 31.8		0.25	1.15	
10 32.3		0.25	1.05	
11 32.8		0.22	0.64	
12 33.3		0.20	0.26	
13 33.8		0.22	0.45	
14 34.3		0.30	1.20	
15 34.8		0.35	1.31	
16 35.3		0.51	1.78	
17 35.8		0.52	2.07	
18 36.3		0.65	2.13	
19 36.8		0.66	2.08	
20 37.3		0.67	1.99	
21 37.8		0.85	2.15	
22 38.3		0.94	1.80	
23 38.8		0.97	1.68	
24 39.3		0.99	1.55	
25 39.8		1.01	1.74	
26 40.3		0.95	1.74	CONTINUED ON PAGE 2 OF 2

IF UNSAFE TO GAGE USE FLOAT METHOD- NEEDTO EST. CHANNEL WIDTH, STREAM DEPTH, AND VELOCITY (MEASU RE TIME REQUIRED FOR AN OBJECT TO TRAVEL A GIVEN DISTANCE (I.E. 100FT) ONCE PLACED IN STREAM, REPEAT 5 TIMES TO DETERMINE AVERAGE VELOCITY)

FIELD NOTES

NOTE ANY DEVIATIONS FROM SOPS, CHANGE IN SAMPLE LOCATION, AND ANY OTHER USEFUL INFORMATION REGARDING DATA COLLECTED AT THIS SITE.

20.3 – 27.8 = WETTED AREA W/VEGETATION, NO APPEARANT FLOW, STAGNANT H_2O UNABLE TO MEASURE

QUALITY CONTROL SAMPLE INFORMATION

Type of QC Sample (ie blank, dup, etc)	Your Identifying Code	Lab Tracking Number

Form Checked by ☐

BLM FIELD FORM ARAVAIPA CREEK - WEST REVISED MAY 2008

FLOW MEASUREMENTS

TOTAL Q= 13.84 CFS

Measurement from Run ☑, Riffle, ☐, Pool ☐

STN	Station	Distance (ft)	Depth (ft)	Velocity (ft/s)	Comments
27	~~1~~ 40.8		0.93	1.75	
28	~~2~~ 41.3		1.08	1.68	
29	~~3~~ 41.8		1.13	1.63	
30	~~4~~ 42.3		1.25	1.63	
31	~~5~~ 42.8		1.28	1.59	
32	~~6~~ 43.3		1.21	0.71	
33	~~7~~ 43.8		1.20	0.12	
	8 44.6		0.00	0.00	RIGHT EDGE OF WATER (REW)
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				
	25				
	26				

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Site Name_____ Field Crew_____

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