

CDOW Warmwater Stream Survey - Habitat Datasheet

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Date: 8.10.2012 Crew: Foutz et al.: Foutz, Noble, Schott; Fitzpatrick et al.: Pronovost, Hart
 Water: Arkansas River UTM Zone: 13S x(E): 637972 y(N): 4211255
 Location Description: 270m south of Bent's Old Fort **Historic** Record Random Site #: AR1814
 RiverWatch Site # n/a RiverWatch Water Quality (Y/N): N Elevation: 3999

Precipitation: **None** Light Moderate Heavy Air Temp. (°C): 23.5
 Wind: None **Light** Moderate Heavy Is Site Wet or Dry: wet
 Clouds: None Light **Moderate** Heavy Site Photos (Y/N): y

Water Temp. (°C): 18.5 Conduct. (mS/cm): 1855 pH: 8.6 DO (mg/L) NT
 DO(%Sat) NT Hardness(mg/L): NT Phen. Alkalinity(mg/L) NT Tot. Alkalinity(mg/L): NT

Wetted Widths (ft): 76 80 96 84 Avg. Width: 84
 0ft 25ft 75ft 150ft

Transect Location(ft from downstream end): NT Transect Width (ft): NT
 Depths (ft): NT Avg. Depth: #DIV/0!
 Velocities (ft/s): NT Avg Velocity: #DIV/0!
 Discharge/Flow (cfs): 38.7

Reach Length (ft): 500 0 Other
 Number Sampled: 0 Riffle 1 Run 1 Pool 0 Backwater
 Habitats: 0 %Riffle 95 %Run 5 %Pool 0 %B.water 0 %Other
 Riparian Vegetation: 0 %Tree 70 %Shrub 30 %Grass 0 %Bare Ground
 Substrate: 30 %Silt 65 %Sand 5 %Gravel 0 %Cobble 0 %Boulder
 Embeddedness %: 100 Banks Undercut %: 0 Max Pool Depth (ft): NT 0 %Bedrock
 Submerged Veg.: 0 %Covered Of total: 0 %Algae 0 %Rooted

ELECTROFISHING PASSES:

Barge, Cataract, and Bank Shockers Effort per Electrode (seconds)

Pass #	Model	#Units	#Trode/U	Trode #1	Trode #2	Trode #3	Trode #4	Voltage	Settings	#Netters
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BACKPACK SHOCKERS

Effort per Electrode (seconds)

Pass #	Model	#Units	#Trode/U	Trode #1	Trode #2	Trode #3	Trode #4	Voltage	Settings	#Netters
E1	LR-24	2	1	1801	1824			145	15% DC	4
E2	LR-24	2	1					145	60hz	4

SEINE AND TRAWL PASSES:

Pass#	Mesh (in)	Dimensions (ft)	Type	#Hauls
S1	1/8 in	10 x 24	Bag	5
S2	1/8 in	25 x 4	Bag	5

Habitat sampled by only one method or with gear other than those above? Record type, area, and method.

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Mollusk Sampling:

Time Sampled (min): # of Samplers: Total Effort (hr):

Species	Quantity	Vial #	Habitat Where Collected
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Invertebrate Sampling:

Time Sampled (min): # of Samplers: Total Effort (hr):

Species	Quantity	Vial #	Habitat Where Collected
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Herptofauna Sampling:

Time Sampled (min): # of Samplers: Total Effort (hr):

Species	Quantity	Vial #	Habitat Where Collected
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woodhouse toad not collected riparian

plains leopard frog not collected riparian

northern water snake not collected riparian

Overall Comments/Observations:

* flow was determined from CDWR gauging station (ARKLAJCO) in La Junta, CO

Fish Sampling Datasheet

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Date:	8.10.2012	River/Stream:	Arkansas River	Location Description:	270m south of Bell's Old Fort	50 Fish Lengths (mm) per Species																				# Over 50	Total	
Pass	Species	56	26	60																								
E1	PKF	44	45	24	45	35	19	37	25	55	25	28	52	24	26	21	36	35	31	27	27	36	26	29	19	40		3
E1	MSQ	22	20	37	40	22	29	40	23	43	41	45	26	38	25	44	36	40	46	26	29	37	24	31	23	35	435	485
		70	42	36	19	38	56	37	52	32	60	36	50	46	26	38	36	31	28	31	35	33	32	37	30	51		
E1	RDS	60	82	32	76	32	55	75	42	61	35	61	42	44	53	74	37	41	50	35	43	53	39	60	62	50	30	80
		155	70																									
E1	FHC																											2
		35	34	26	26	45	32	29	41	46	48	35	65	33	27	28	59	48	44	39	36	33	33	28	59	38		
E1	FMW	46	42	41	39	45	42	37	35	35	41	27	49	25	39	73	47	66	22									43
		46																										
E1	SAH																											1
		51																										
E1	GSD																											1
		235	131	232	170	204																						
E1	CCF																											5
		72																										
E1	SMM																											1
		111																										
E1	WHS																											1
		38	38	31	28	68	34	37	23	38	12	25	36	27	42	32	45	48	34	23	26	23	22	22	24	73		
S1	RDS	24	28	30	52	34	30	26	33	30	68	25	20	36	68	26	32	64	29	54	46	30	45	41	41	55	164	214
		34	28	21	23	24	38	22	38	33	45	34	36	35	28	30	34	31	25	30	44	41	31	31	29	30		
S1	MSQ	33	25	27	28	21	39	25																				32
		60																										
S1	PKF																											1
		42	46	35	35	33	29	49		35	57	26																
S1	FMW																											10
		90																										
S1	GSD																											1
		145	157																									
S1	CCF																											2

Pass	Species	50 Fish Lengths (mm) per Species																												# Over 50	Total	
S1	FHC	142	42																													
		30	31	34	31	31	25	22	26	27	25	22	29	28	19	26	17	24	20	24	17	22	20	25	24	17					2	
S2	MSQ	12	27	22	18	20	19	38	32	39	32	22	26	19	20	40	33	31	21	25	23	8	22	22	45	27					65	115
		114	66	60																												
S2	FHC																															3
S2	FMW	41	24	27	25	52	62	34	37	24	32	29	35	39	40	34	34	51	29	46	50	48	44	40	41	37						
		42	29	45	40	41	30	45	37	39	42	40	47	26	41	47	55	44	38	41	90	65	54	33	42	45					5	55
S2	RDS	44	41	32	46	38	25	37	32	26	36	30	38	17	47	32	31	60	38	30	35	38	73	30	20	37						
		37	30	31	29	67	29	24	49	46	25	24	20	73	22	45	31	47	60	35	30	42	35	36	34	31					422	472
S2	WHS	109	105	94																												
		65	44	46	41	46																										3
S2	SAH																															
		50	53	60	58																											5
S2	PKF																															4
S2	GSD	56	70	54																												
		124																														3
S2	CCF																															1
E2	MSQ	50	32	47	44	45	32	35	44	20	31	38	30	25	42	28	26	20	26	30	24	22	22	46	38	42						
		26	30	35	25	27	27	16	20	23	33	22	27	35	39	36	22	36	31	36	35	20	30	23	25	37					15	65
E2	RDS	50	48	25	32	31	65	45	21	48	34	47	20	19	37	47	40	35	35	25	34	42	35	27								