

CUTTHROAT CHAPTER RIVER WATCH BUG LIST SOUTH PLATTE RIVER CHEESMAN DAM TO CARSON NATURE CENTER		Below Cheesman	Lone Rock	Below Deckers	Nighthawk	Twin Cedars	Below Strontia	Kasler	Carson Nature Center
Average number of bugs sampled		835	3455	1275	1305	1480	5535	614	835
Number of samples collected in creating average		2	9	4	1	1	1	1	2
<b>LEPIDOPTERA</b> <b>Moths</b>		<b>Percent of Sample</b>							
<i>Petrophila sp.</i> - Snout Moth								3.1	
<b>ACARI</b> <b>Mites and Ticks</b>		<b>Percent of Sample</b>							
<i>Atractides sp.</i> - Short Legged Water Mites				0.1					
<i>Hygrobatas</i> - Short Legged Water Mites			0.1					0.7	
<i>Lebertia</i> - Short Legged Water Mites			0.6	0.2				0.3	
<i>Sperchon</i> - Short Legged Water Mites			0.5	0.3	0.3		0.3	1.5	2.9
<b>AMPHIPODA</b> <b>Scuds</b>		<b>Percent of Sample</b>							
<i>Crangonyx sp.</i> - Freshwater Shrimp				0.1					0.1
<i>Gammarus</i> - Freshwater Shrimp		1.3	7.8	0.3					
<i>Hyalella azteca</i> - Freshwater Shrimp									
<b>GASTROPODA</b> <b>Snails</b>		<b>Percent of Sample</b>							
<i>Lymnaeidae</i> - Freshwater Snail			0.1						
<i>Physa sp.</i> - Freshwater Snail			1.0	0.2					0.1
<i>Potamopyrgus antipodrum</i> - New Zealand Mud Snail			0.2						
<b>COLEOPTERA</b> <b>Beetles</b>		<b>Percent of Sample</b>							
<i>Agabus sp.</i> - Predaceous Diving Beetle									
<i>Enochrus pygmaeus</i> - Lady Beetles									
<i>Optioservus</i> - Riffle Beetles				4.9	4.9	2.0		8.0	
<i>Tropisternus ellipticus</i> - Scavenger Beetle									
<i>Zaitzevia parvula</i> - Riffle Beetles			3.7					1.8	
<b>NEMATODA</b> <b>Roundworms</b>			0.1						
<b>ODONATA</b> <b>Damselfly and Dragon Fly</b>		<b>Percent of Sample</b>							
<i>Argia sp.</i> - Damselfly									
<i>Coenagrionidae</i> - Damselfly									
<i>Hetaerina americana</i> - Damsel Fly Broad Winged, Ruby Spots									
<i>Ophiogomphus sp.</i> - Dragon Fly, Snaketail			0.1	0.1					
<b>OLIGOCHAETA</b> <b>Freshwater Annelids</b>		<b>Percent of Sample</b>							
<i>Lumbricidae</i> - Earth Worm			0.6						
<i>Naididae</i> - Tubifex Worms			1.4				0.5		0.7
<i>Tubificidae w/ hair chaetae</i> - Tubifex Worms			1.6	0.1	0.3				
<i>Tubificidae w/o hair chaetae</i> - Tubifex Worms			1.2					0.7	
<b>TURBELLARIA</b> <b>Free-Living Flatworms</b>		<b>Percent of Sample</b>							
<i>Dugesia sp.</i> - Planaria		1.3	0.2						0.7
<i>Polycelis coronata</i>									
<b>HIRUDINEA</b> <b>Leeches</b>		<b>Percent of Sample</b>							
<i>Erpobdellidae</i> - Leech			0.1						
<i>Helobdella stagnalis</i> - Leech									
<i>Mooreobdella microstoma</i> - Leech									
<b>ISOPODA</b> <b>Sow Bug</b>		<b>Percent of Sample</b>							
<i>Caecidotea sp.</i> - Cress Bugs			0.6					1.0	

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	Average number of bugs sampled	835	3455	1275	1306	1480	5535	614
Number of samples collected in creating average	2	9	4	1	1	1	1	2
<b>TRICHOPTERA Caddisflies Percent of Sample</b>								
<i>Arctopsyche grandis</i> - Great Gray Spotted Sedge							1.0	
<i>Brachycentrus americanus</i> - American Grannom / Sedge	1.3	0.1	0.3	0.3	0.3			
<i>Brachycentrus occidentalis</i> - American Grannom / Sedge		7.5	13.0	16.1	2.0	0.8	1.3	
<i>Ceratopsyche oslari</i> - Spotted Sedge	0.6	0.3						
<i>Cheumatopsyche sp.</i> - Little Sister Sedge							1.0	9.4
<i>Glossosoma sp.</i> - Saddle Case Caddis		0.2	0.3	0.3		0.3	1.1	
<i>Hydropsyche sp.</i> - Spotted Sedge		4.0		3.2	2.4	24.1	16.4	31.8
<i>Hydropsyche cockerelli</i> - Spotted Sedge			4.5					
<i>Hydropsyche occidentalis</i> - Spotted Sedge			0.4					
<i>Hydropsyche oslari</i> - Spotted Sedge			4.3					
<i>Hydroptila sp.</i> - Varicolored Microcaddisfly						0.3	0.7	2.1
<i>Lepidostoma sp.</i> - Little Brown Sedge		0.1						
<i>Leucotrichia pictipes</i> - Ring Horn Microcaddisfly							1.5	
<i>Oecetis sp.</i> - Longhorn - Case Caddis		0.0		0.3				
<i>Psychomyia flavid a</i> - Dinky Purple Breasted Sedge						0.5	1.5	
<i>Rhyacophila brunnea</i> - Green Rock Worm/Sedge	0.2	0.1		0.3		0.5		
<i>Rhyacophila coloradensis</i> - Green Rock Worm/Sedge								
<b>EPHEMEROPTERA Mayflies Percent of Sample</b>								
<i>Acentrella insignificans</i> - Tiny Blue Winged Olive			0.3	2.0				5.3
<i>Baetis flavistriga</i> - Blue Winged Olive		0.0						
<i>Baetis tricaudatus</i> - Blue Winged Olive	60.1	18.6	20.9	8.9	60.8	36.9	7.3	5.8
<i>Drunella grandis</i> - Western Green Drake		0.1	0.2					
<i>Epeirys sp.</i> - Yellow Quill								
<i>Epeorus sp.</i> - Quill Gordon, Pink Lady			0.1					
<i>Ephemerella sp.</i> - Pale Morning Dun	2.7	3.9	5.2	0.9	2.0	25.5	23.0	
<i>Fallceon quilleri</i> - Blue Winged Olive								1.8
<i>Heptagenia sp.</i> - Light Cahill, Pale Evening Dun		0.0					3.4	
<i>Paraleptophebia sp.</i> - Mahogany Dun			0.4		1.4		3.4	
<i>Pseudocloeon sp.</i> - Tiny Blue Winged Olive		0.2						
<i>Rhithrogena sp.</i> - Western March Brown		0.7	0.4	6.0	3.0	0.3		
<i>Serratella sp.</i> - Small Western Dark Hendrickson		0.1						
<i>Tricorythodes explicatus</i> - Trico		7.6						
<i>Tricorythodes minutus</i> - Trico	2.3		1.6	0.3			2.1	20.3
<b>PLECOPTERA Stoneflies Percent of Sample</b>								
<i>Claassenia sabulosa</i> - Green Stonefly							2.1	
<i>Chloroperlidae</i> - Green Stonefly				0.3				
<i>Hesperoperla pacifica</i> - Golden Stonefly	1.3	3.3	4.0	0.9	0.3	0.8	0.3	
<i>Isoperla fulva</i> - Little Yellow Stonefly		0.1	1.1					
<i>Isoperla sp.</i> - Little Yellow Stonefly		0.2			4.7		1.0	
<i>Periodidae</i> - Patterned Stonefly			0.5		0.3	0.3	5.2	
<i>Pteronacella badia</i> - Giant Stonefly			0.2					
<i>Pteronarcys californica</i> - Giant Salmonfly							0.5	
<i>Skwala americana</i> - Large Springfly			0.1					

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DIPTERA	True Flies			Percent of Sample				
<i>Antocha sp.</i> - Crane Fly		0.1	0.3	1.4	0.3	0.8	0.3	
<i>Atherix pachypus</i> - Water Snipe Fly				1.4	0.01			
<i>Bezzia/Palpomyia sp.</i> - Biting midges								
<i>Brillia sp.</i> - Chironomid								
<i>Cardiocladius sp.</i> - Chironomid			0.2					
<i>Ceratopogonidae</i> - Biting midge			0.3					
<i>Chelifera sp.</i> - Biting midge		0.1						
<i>Cricotopus/Orthocladius sp.</i> - Chironomid	2.8	2.9	6.8	32.5	6.8	3.8	5.2	3
<i>Chironomus sp.</i> - Chironomid								
<i>Cryptochironomus sp.</i>		0.1						
<i>Diamesa sp.</i> - Chironomid	6.7	0.1	0.3	0.3				0.3
<i>Dicranota sp.</i>		0.01						
<i>Dicrotendipes sp.</i> - Chironomid		0.4	0.1					0.7
<i>Ephydriidae</i> - Shore Flies								
<i>Eukiefferiella sp.</i> - Chironomid	8.6	1.9	3.6	6.3	3.4	1.6	0.7	0.4
<i>Glyptotendipes sp.</i> - Chironomid								
<i>Hemerodromia sp.</i> - Dancing Fly			0.1				0.3	0.5
<i>Heptagenia sp.</i> - Light Cahill, Pale Evening Dun								
<i>Hexatoma sp.</i> - Crane Fly		0.01	0.7					
<i>Lispoides aequifrons</i> - House Fly		0.5	0.1					
<i>Lopescladius sp.</i> - Chironomid		0.1	4.5	0.3	1.4			
<i>Microspectra/Tanytarsus sp.</i> - Chironomid	0.2	1.1	0.1		0.3		2.1	
<i>Microtendipes sp.</i> - Chironomid		5.3	1.9	0.6			0.7	11.5
<i>Nanocladius sp.</i> - Chironomid				0.3				
<i>Neoplasta sp.</i> - Dancing Fly	0.2	0.01						
<i>Pagastia sp.</i> - Chironomid	0.2	0.8	1	0.9		0.5		
<i>Parakiefferiella sp.</i> - Chironomid								0.1
<i>Pericoma sp.</i> - Moth Fly			0.1					
<i>Phaenopsectra sp.</i> - Chironomid		0.2	0.6		0.3			0.5
<i>Polypedilum sp.</i> - Chironomid		0.1						
<i>Potthastia longimana group</i> - Chironomid	1.1	0.1	0.2	0.3		0.3		
<i>Pseudochironomus sp.</i> - Chironomid								0.4
<i>Rheotanytarsus sp.</i> - Chironomid		0.3	0.1					0.2
<i>Simulium sp.</i> - Black Fly	0.2	5	0.2	4.3	2.7			1.3
<i>Stictochironomus sp.</i> - Chironomid								
<i>Synorthocladius sp.</i> - Chironomid	0.2	0.1		0.3				
<i>Tanypus sp.</i> - Chironomid								
<i>Thienemannimyia group</i> - Chironomid		1.7	0.8		0.3	0.3	0.3	
<i>Tipula sp.</i> - Crane Fly	0.3	0.9	0.9					
<i>Tvetenia sp.</i> - Chironomid	6.8	11.3	12.6	3.7	9.8	0.8		
<i>Wiedemannia sp.</i> - Dancing Fly	1.9	0.9	0.8	2.3		0.8	0.7	