

Rocky Reach RTE Wildlife Study Status Report – July, 25 2000

Study Sites

- Seven intensive and 11 roving study sites have been selected.
- The 7 intensive study sites are Turtle Rock, the Entiat River, Sun Cove riparian, Sun Cove shrub-steppe, Beebe Bridge riparian, Gallagher Flats, and the Uplake shrub-steppe.
- The 11 roving sites are the PUD riparian west of Turtle Rock, islands downstream of the Entiat River, Entiat Park, Orondo School riparian, Daroga Park, Earthquake point islands, Bundy shrub-steppe, Goosetail Rock, Chelan Butte Wildlife Management Area, Chelan Falls Park, and Azwell riparian.

Study Design

- At each of the 7 intensive study sites breeding bird, small mammal, bat, reptile, amphibian, and habitat surveys were conducted.
- At each of the 11 roving sites breeding bird surveys were conducted along with limited bat, reptile, amphibian, and habitat surveys.
- Within the intensive study sites, 50 bird survey points were established and within the roving study sites 36 points were established (86 points total). These points were surveyed 3 times each from late-April through late-June.
- At least 60 trapping stations were established within each intensive study site and 3-to-4 nights of trapping was conducted.

Work Completed

- Small mammal trapping has been completed at the 7 intensive study sites.
- Breeding bird surveys have been completed at both the intensive and roving sites.
- Reptile and amphibian surveys have been completed.
- Bat surveys have been conducted at 5 of the 7 intensive study sites.

Work Remaining

- Complete bat surveys.
- Complete identification of small mammals collected.
- Analysis of Anabat recordings.
- Data analysis.
- Report preparation.

Preliminary Results

Preliminary species lists for the 7 intensive study sites are provided in Tables 1-4.

Table 1. Bird Species Documented during the Rocky Reach RTE Wildlife Study.								
Species	Scientific Name	Turtle Rock	Entiat River	Sun Cove Rip.	Sun Cove SS.	Beebe Bridge Rip.	Gall Flat	Uplake Shrub Steppe
Common Loon	<i>Gavia immer</i>	X						
Great blue heron	<i>Ardea herodias</i>	X		X		X	X	
Canada goose	<i>Branta canadensis</i>					X		
Wood duck	<i>Aix sponsa</i>		X	X		X		
Mallard	<i>Anas platyrhynchos</i>		X	X		X	X	
Common merganser	<i>Mergus merganser</i>	X	X					
Hooded merganser	<i>Lophodytes cucullatus</i>		X					
Killdeer	<i>Charadrius vociferus</i>	X	X	X		X		
Spotted sandpiper	<i>Actitis macularia</i>		X	X		X		
California gull	<i>Larus californicus</i>	X	X					
Gray partridge	<i>Perdix perdix</i>				X			
California Quail	<i>Lagopus californicus</i>		X	X	X	X	X	X
Ring-neck pheasant	<i>Phasianus colchicus</i>				X			
Osprey	<i>Pandion haliaetus</i>	X	X					
Bald Eagle	<i>Haliaeetus leucocephalus</i>	X	X					
Red -tailed hawk	<i>Buteo jamaicensis</i>		X		X			
American kestrel	<i>Falco sparverius</i>	X		X				
Great horned owl	<i>Bubo virginianus</i>	X			X	X		
Downy woodpecker	<i>Picoides pubescens</i>		X	X	X	X		
Northern flicker	<i>Colaptes auratus</i>	X	X	X	X	X	X	X
Common nighthawk	<i>Chordeiles minor</i>					X		X
Common poorwill	<i>Phalaenoptilus nuttallii</i>							X
White -throated swift	<i>Aeronautes saxatalis</i>					X	X	
Black -chinned hummingbird	<i>Archilochus alexandri</i>			X	X			
Calliope hummingbird	<i>Stellula calliope</i>				X			
Belted kingfisher	<i>Ceryle alcyon</i>	X	X	X		X	X	
Morning dove	<i>Zenaidura macroura</i>	X	X	X	X	X	X	
Rock dove	<i>Columba livia</i>	X						
Western wood-	<i>Contopus</i>		X	X	X	X		X

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Species	Scientific Name	Turtle Rock	Entiat River	Sun Cove Rip.	Sun Cove SS.	Beebe Bridge Rip.	Gall Flat	Uplake Shrub Steppe
pewee	<i>sordidulus</i>							
Say's phoebe	<i>Sayornis saya</i>	X	X		X			
Western kingbird	<i>Tyrannus verticalis</i>	X	X			X	X	X
Eastern kingbird	<i>Tyrannus tyrannus</i>	X	X		X	X	X	X
Tree swallow	<i>Tachycineta biocolor</i>	X	X			X	X	
Violet-green swallow	<i>Tachycineta thalassina</i>	X	X		X			
Northern rough-winged swallow	<i>Stelgidopteryx serripennnis</i>		X					
Cliff Swallow	<i>Hirundo pyrrhonota</i>	X	X			X		X
Barn swallow	<i>Hirundo rustica</i>		X		X			
Steller's jays	<i>Cyanocitti stelleri</i>		X					
Black – billed magpie	<i>Pica Pica</i>	X	X		X	X	X	X
American Crow	<i>Corvus brachyrhynchos</i>	X	X		X	X	X	
Common raven	<i>Corvus corax</i>		X		X			
Black-capped chickadee	<i>Parus atricapillus</i>		X	X		X		
Rock wren	<i>Salpinctes obsoletus</i>	X						X
Canyon wren	<i>Catherpes mexicanus</i>	X					X	
House wren	<i>Troglodytes aedon</i>		X	X				
American dipper	<i>Cinclus mexicanus</i>		X					
Western bluebird	<i>Sialia mexicana</i>		X					
American Robin	<i>Turdus migratorius</i>	X	X	X	X	X	X	X
Gray catbird	<i>Dumetella carolinensis</i>		X	X	X	X	X	
Loggerhead shrike	<i>Lanius ludovicianus</i>							X
Cedar waxwing	<i>Bombycilla cedrorum</i>		X	X		X	X	
European starling	<i>Sturnus vulgaris</i>	X	X	X	X	X	X	
Red-eyed vireo	<i>Vireo diraceus</i>		X					
Warbling vireo	<i>Vireo gilvus</i>		X					
Orange-crowned warbler	<i>Vermivora celata</i>		X		X			
Yellow warbler	<i>Dendroica petechia</i>		X	X	X	X	X	
Yellow-rumped warbler	<i>Dendroica coronata</i>				X			

Species	Scientific Name	Turtle Rock	Entiat River	Sun Cove Rip.	Sun Cove SS.	Beebe Bridge Rip.	Gall Flat	Uplake Shrub Steppe
Wilson's warbler	<i>Wilsonia pusilla</i>		X	X	X	X	X	
Common Yellowthroat	<i>Geothlypis trichas</i>		X					
Yellow-breasted chat	<i>Icteria virens</i>				X	X		
Western tanager	<i>Piranga ludoviciana</i>	X	X	X	X	X	X	X
Black-headed grosbeak	<i>Pheucticus melanocephalus</i>			X	X	X		
Lazuli bunting	<i>Passerina amoena</i>	X			X			X
Spotted towhee	<i>Pipilo maculatus</i>				X			X
White-crowned sparrow	<i>Zonotrichia leucophrys</i>		X		X			
Lark sparrow	<i>Chondestes grammacus</i>							X
Song sparrow	<i>Melospiza melodia</i>	X	X		X	X	X	
Red-winged blackbird	<i>Agelaius phoeniceus</i>	X	X	X	X	X	X	
Western meadowlark	<i>Sturnella neglecta</i>	X	X		X	X	X	X
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	X	X	X	X	X		
Brown-headed cowbird	<i>Molothrus ater</i>	X	X	X	X	X	X	
Bullock's oriole	<i>Icterus bullockii</i>	X	X	X	X	X	X	X
Cassin's finch	<i>Carpodacus cassinii</i>	X	X	X		X	X	X
House finch	<i>Carpodacus mexicanus</i>		X	X	X	X		
American goldfinch	<i>Carduelis tristis</i>	X	X	X	X	X	X	

Table 2. Small Mammal Species Captured During the Rocky Reach RTE Wildlife Study¹.

Species	TR	ER	SCR	SCS	BBB	GF	ULS
Shrew spp.		X	X	X	X		
Northern pocket gopher			X	X			X
Great Basin pocket mouse				X		X	X
Western house mouse				X			
Deer mouse	X	X	X	X	X	X	X
Vole spp.	X	X	X		X		
Bushy-tailed woodrat						X	

Table 3. Large Mammal Species or Their Sign Observed During the Rocky Reach RTE Wildlife Study.

Species	TR	ER	SCR	SCS	BBB	GF	ULS
Yellow-bellied marmot	X			X	X	X	X
Raccoon		X			X		
Mink			X		X		
Beaver		X	X		X		
Mountain cottontail					X	X	
Coyote	X	X	X	X	X	X	X
Mule Deer	X	X	X	X	X	X	X

Table 4. Reptile and Amphibian Species Observed During the Rocky Reach RTE Wildlife Study.

Species	TR	ER	SCR	SCS	BBB	GF	ULS
Painted turtle			X				
Western fence lizard		X			X	X	
Sagebrush lizard	X			X	X		
Western yellow-bellied racer	X	X		X	X	X	
Gopher snake				X	X		
Wandering garter snake		X					
Garter snake spp.					X		
Western rattlesnake						X	
Great Basin spadefoot toad				X		X	
Western toad	X		X	X			
Pacific chorus frog		X					

¹ Final species identification not yet completed on all specimens.