

**Biology 452 Field Trip to Nisqually NWR on Aug. 4, 2012**

High Tide: 7:15AM - 12'1"; Low Tide: 1:48PM - -0'2"

Chris (Peer TA), Maria (Grad TA), Collin, Todd



Doug, Grace, Stephanie & Omar

Freshwater pond



Find the Pacific Chorus Frog



Ring-billed Gull



Mount Rainier in the distance



Old beaver dam overgrown with grass



Find the Wood Duck



Class Actinopterygii	
Order Gasterosteiformes	Three-spine Stickleback
Order ??	Tern's capture: smelt/sandlance??
Class Amphibia (Lissamphibia)	
Order Anura Learn about Amer. Bullfrogs: <a href="http://www1.dnr.wa.gov/nhp/refdesk/herp/speciesmain.html">http://www1.dnr.wa.gov/nhp/refdesk/herp/speciesmain.html</a> & <a href="http://news.nationalgeographic.com/news/2004/09/0928_040928_bullfrog.html">http://news.nationalgeographic.com/news/2004/09/0928_040928_bullfrog.html</a>	Northern Red-legged Frog American Bullfrog Pacific Chorus Frog
Class "Reptilia"	
Order Testudines Learn about Painted Turtles: <a href="http://depts.washington.edu/natmap/facts/painted_turtle_712.html">http://depts.washington.edu/natmap/facts/painted_turtle_712.html</a>	Painted Turtle?
Order Squamata	Garter Snake (no id)
Class Mammalia	
Order Soricomorpha	Townsend's Mole (mounds only)
Order Lagomorpha	Eastern Cottontail
Order Rodentia	Beaver (old dam only) Muskrat (eaten cattail stems only) Eastern Gray Squirrel
Order Carnivora	Northern Raccoon (road kill on I-5) Harbor Seal
Order Artiodactyla	Mule Deer (with twin fawns)
Class Aves	
Order Podicipediformes	Pied-billed Grebe
Order Anseriformes Learn about Wood Ducks: <a href="http://www.birdweb.org/birdweb/bird/wood_duck">http://www.birdweb.org/birdweb/bird/wood_duck</a> Learn about Blue-winged Teal: <a href="http://www.birdweb.org/birdweb/bird/blue-winged_teal">http://www.birdweb.org/birdweb/bird/blue-winged_teal</a>	Canada Geese Mallard Wood Duck (+ nest boxes) Blue-winged Teal?
Order Ciconiiformes	Great Blue Heron
Order Charadriiformes Learn about Least Sandpipers: <a href="http://www.birdweb.org/birdweb/bird/least_sandpiper">http://www.birdweb.org/birdweb/bird/least_sandpiper</a>  Learn about Bonaparte's Gulls: <a href="http://www.birdweb.org/birdweb/bird/bonapartes_gull">http://www.birdweb.org/birdweb/bird/bonapartes_gull</a>	Least Sandpiper Killdeer (Heard only) Glaucous-winged Gull Ring-billed Gull Bonaparte's Gull Caspian Tern
Order Falconiiformes Learn about Cooper's Hawks: <a href="http://www.birdweb.org/birdweb/bird/coopers_hawk">http://www.birdweb.org/birdweb/bird/coopers_hawk</a>	Cooper's Hawk Northern Harrier Red-tailed Hawk (Along I-5) Osprey (Nests near I-5) Bald Eagle
Order Columbiformes	Rock Pigeon Mourning Dove (Along I-5)
Order Apodiformes	Rufous Hummingbird
Order Coraciiformes	Belted Kingfisher
Order Piciformes	Northern Flicker (heard) Downy Woodpecker
Order Passeriformes  Compare the calls of these birds: Willow Flycatchers: <a href="http://www.birdweb.org/birdweb/bird/willow_flycatcher">http://www.birdweb.org/birdweb/bird/willow_flycatcher</a> Western Wood Pewee: <a href="http://www.birdweb.org/birdweb/bird/western_wood-pewee">http://www.birdweb.org/birdweb/bird/western_wood-pewee</a>  Learn about the Common Yellowthroat: <a href="http://www.birdweb.org/birdweb/bird/common_yellowthroat">http://www.birdweb.org/birdweb/bird/common_yellowthroat</a>	Barn Swallow (+ nests) Cliff Swallow nests only Violet-green Swallow Tree Swallow American Crow Black-capped Chickadee Bewick's Wren Cedar Waxwing American Robin Willow Flycatcher Western Wood Pewee Common Yellowthroat Spotted Towhee (Heard only) Song Sparrow Savanna Sparrow White-crowned Sparrow Brown-headed Cowbird