

**Biol. 452 Field Trip
Woodard Bay Natural Area, May 28, 2011**

Nam (peer TA), Sindhu, Jason (Biol. advisor), Will, Brittany, Ani, Keith, Morgan, Dina, Melissa, Louis, Mark & Noli (former grad. TA)



Mike, Jessica (peer TA), Maporn, Carolina (grad TA), Ariel & Judith

Baby Creeping Voles!



Rough-skinned Newt (Brittany found it!)



Red-legged Frog



Douglas Squirrel (Can you find him on the trunk?)



More on the Woodard Bay Natural Area

<p>Native Ferns that we identified: Bracken Fern: <i>Pteridium aquilinum</i> Sword Fern: <i>Polystichum munitum</i></p> <p>Native perennial flowers that we identified: <u>Western Trillium: <i>Trillium ovatum</i></u> Foamflower: <i>Tiarella trifoliata</i> Pacific Waterleaf: <i>Hydrophyllum tenuipes</i> Stinging Nettle: <i>Urtica dioica</i></p> <p>Introduced weeds that we identified: Herb-Robert: <i>Geranium robertianum</i> Giant Hogweed: <i>Heracleum mantegazzianum</i> Himalayan Blackberry: <i>Rubus discolor</i></p>	<p>Native trees & shrubs that we identified: Douglas Fir: <i>Pseudotsuga menzeisii</i> Western Red Cedar: <i>Thuja plicata</i> Western Hemlock: <i>Tsuga heterophylla</i> Grand Fir: <i>Abies grandis</i> Red Alder: <i>Alnus rubra</i> Beaked Hazelnut: <i>Corylus cornuta</i> Bigleaf Maple: <i>Acer macrophyllum</i> <u>Salal: <i>Gaultheria shallon</i></u> Evergreen Huckleberry: <i>Vaccinium ovatum</i> Red Elderberry: <i>Sambucus racemosa</i> <u>Common Snowberry: <i>Symphoricarpos albus</i></u> Indian Plum: <i>Oemleria cerasiformis</i> Salmonberry: <i>Rubus spectabilis</i> Thimbleberry: <i>Rubus parviflorus</i> Cascara: <i>Rhamnus purshiana</i> Dull or Long-leaved Oregon Grape: <i>Mahonia nervosa</i></p>
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Plants underlined mark the FEW that were NOT used by Native Americans for tools & other building materials, food &/or medicines, based on information from Pojar, J. & A. MacKinnon. 1994. Plants of the Pacific Northwest Coast. Lone Pine Press.
 Eg. Indian Plum: <http://www.plant-materials.nrcs.usda.gov/pubs/orpmcfs9127.pdf>

Browse the WTU Herbarium Image Collection at the Burke Museum:
<http://biology.burke.washington.edu/herbarium/imagecollection.php>



Woodard Bay Natural Area Field Trip, Species List (as seen & heard by Biol. 452 class) May 28, 2011

Low tide 10:10AM, 1.1 ft & High tide 5:10PM 11.2 ft (Henderson Inlet, which includes Woodard Bay); Sunset 8:55PM, Bats around 9:15PM

Class Actinopterygii	
Order Scorpaeniformes	Tidepool Sculpin
Class Amphibia (Lissamphibia)	
Order Caudata	Rough-skinned Newt
Order Anura	Red-legged Frog Pacific Chorus Frog (heard)
Class Mammalia	
Order Lagomorpha Learn about the Easter cottontail in WA: http://wdfw.wa.gov/wlm/living/rabbits.htm#species	Eastern Cottontail (Introduced)
Order Rodentia Learn about Creeping Voles: http://www.mnh.si.edu/mna/image_info.cfm?species_id=177 & see a photo: http://www.pbase.com/coke-smith/image/121208925	Beaver (lodge, freeway median) Douglas Squirrel Creeping Vole (+ babies in nest)
Order Chiroptera Learn about Yuma Myotis: http://www.batcon.org/index.php/all-about-bats/species-profiles.html	Little Brown Bat – couldn't confirm Yuma Myotis
Order Carnivora Compare my otter & mink track photos with these: http://northernbushcraft.com/animalTracks/otter/notes.htm & http://www.bear-tracker.com/mink.html	Northern Raccoon (tracks) Mink (tracks??) Northern River Otter (tracks) Harbor Seal
Class Aves	
Order Pelecaniformes	Double-crested Cormorant
Order Anseriformes	Canada Goose Common Merganser
Order Ciconiiformes	Great-blue Heron
Order Charadriiformes	Glaucous-winged Gull
Order Falconiiformes	Osprey Red-tailed Hawk (along I-5)
Order Columbiformes Learn about Band-tailed Pigeons: http://www.seattleaudubon.org/birdweb/bird_details.aspx?value=search&id=236	Mourning Dove Band-tailed Pigeon
Order Coraciiformes	Belted Kingfisher
Order Piciformes	Northern Flicker (Noli saw one) Pileated Woodpecker ("big" tree holes)
Order Passeriformes Learn about Wilson's Warblers & listen to their call: http://www.seattleaudubon.org/birdweb/bird_details.aspx?value=search&id=399 Learn about the Brown-headed Cowbird's unusual breeding behavior: http://www.seattleaudubon.org/birdweb/bird_details.aspx?value=search&id=446 Learn about the Golden-crowned Sparrow: http://www.seattleaudubon.org/birdweb/bird_details.aspx?value=search&id=425	Steller's Jay (heard) American Crow Wilson's Warbler Purple Martin (+ nest boxes) Violet-green Swallow Tree Swallow Barn Swallow Black-capped Chickadee (heard) Brown Creeper (Noli saw one) American Robin Spotted Towhee Red-winged Blackbird Brown-headed Cowbird Song Sparrow Golden-crowned Sparrow White-crowned Sparrow American Goldfinch