

**Biology 452, Woodard Bay Natural Area Field Trip
July 23, 2011**

Isabel Carmen Chris Margaret, Ian Carol



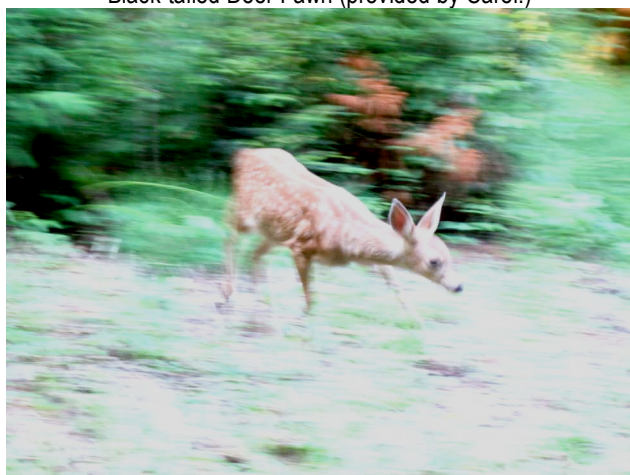
Woodard Bay upstream channel around 3:30PM



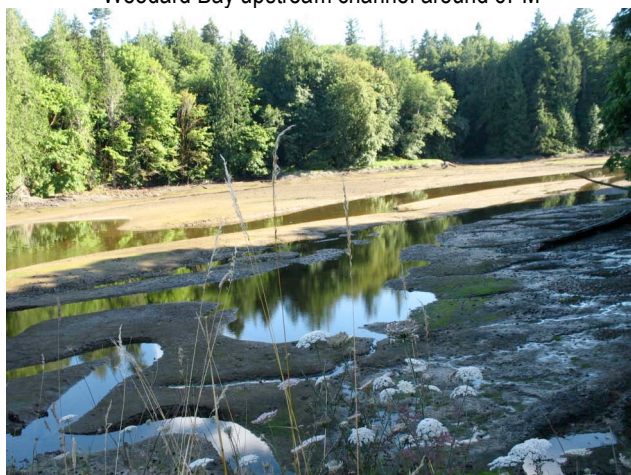
Margaret, Chris, Ian, Isabel & Carmen at the start of the day!



Black-tailed Deer Fawn (provided by Carol!)



Woodard Bay upstream channel around 6PM



Douglas Squirrel leftovers of Douglas Fir Cones



A glimpse of a Douglas Squirrel



Possible Raven Tracks



Northern Raccoon tracks



Eating Thimbleberries on the Chehalis Western Trail



Carmen, Isabel & Chris eating berries!!



Woodard Bay trees



Woodard Bay pier



Woodard Bay Natural Area Field Trip, Species List (as seen & heard by Biol. 452 class) July 23, 2011

Henderson Inlet data: High tide: 1:23PM 9.7 ft & Low tide 6:03PM 6.03 ft
Sunset 8:55PM, 1 bat emerged ~ 9:05, most began emerging after 9:10??

Read about the recent changes in the Woodard Bay Pier:

http://www.dnr.wa.gov/AboutDNR/ManagedLands/Pages/amp_na_woodard.aspx
<http://woodardbats.blogspot.com/2011/01/for-past-month-wa-dept.html>

Class Actinopterygii	
Order Scorpaeniformes	Tidepool Sculpin
Order Perciformes Learn about Shiner Surfperch: http://www.montereybayaquarium.org/animals/AnimalDetails.aspx?enc=Z5SIVkZ+n+Wmj+x0HdVEXQ==	Possibly a surf perch species.
Class Amphibia (Lissamphibia)	
Order Anura	Bullfrog
Class Mammalia	
Order Rodentia	Douglas Squirrel Townsend's Chipmunk
Order Soricomorpha	Townsend Mole (mounds only)
Order Chiroptera Learn about Yuman Myotis: http://www.batcon.org/index.php/all-about-bats/species-profiles.html?task=detail&species=2435&country=43&state=all&family=all&start=25	Little Brown Bat Yuma Myotis
Order Carnivora Read about the need for haul outs for Harbor Seal pups: http://wdfw.wa.gov/wildwatch/sealcam/	Northern Raccoon (tracks only) Harbor Seal (with pups)
Order Artiodactyla	Mule/Black-tailed Deer (with fawn)
Class Aves	
Order Pelecaniformes	Double-crested Cormorant
Order Anseriformes Learn about Common Mergansers: http://birdweb.org/birdweb/bird_details.aspx?value=search&id=93	Common Merganser (with ducklings)
Order Ciconiiformes	Great Blue Heron
Order Charadriiformes	Glaucous-winged Gull
Order Falconiformes Learn about Osprey: http://birdweb.org/birdweb/bird_details.aspx?id=96	Osprey (nests microwave towers, Tacoma) Red-tailed Hawk (along I-5)
Order Columbiformes	Band-tailed Pigeon
Order Apodiformes Learn about Common Nighthawks: http://birdweb.org/birdweb/bird_details.aspx?value=search&id=255	Common Nighthawk
Order Coraciiformes	Belted Kingfisher
Order Piciformes Learn about Pileated Woodpeckers http://birdweb.org/Birdweb/bird_details.aspx?id=280	Pileated Woodpecker (tree holes only)
Order Passeriformes Learn about Purple Martins: http://birdweb.org/Birdweb/bird_details.aspx?id=321 Learn about Brown Creepers: http://birdweb.org/birdweb/bird_details.aspx?value=search&id=336	Common Raven (tracks, heard?) American Crow Steller's Jay Purple Martin (+ nest boxes) Violet-green Swallow Barn Swallow Bushtit Red-breasted Nuthatch (heard) Brown Creeper Black-capped Chickadee Chestnut-backed Chickadee American Robin Spotted Towhee (heard) Red-winged Blackbird Song Sparrow House Finch (heard) American Goldfinch