

**Biol. 452 Field Trip  
Woodard Bay, Olympia, May 30, 2009**

Check out Eric's photos from the trip here: <http://www.flickr.com/photos/enguy/sets/72157619047307000/>

In order front to back of the line: Xin Xin, Sania, Shannon, Kim (Peer TA), Taitea (hiding), Michael, Amy, Marie, Lynna, Stephanie,



Nicole (former Peer TA), Breanna, Lee (Grad TA). Hidden: Ed, Ronak, Eric (peer TA), Brandon, Josephine & Austin  
Woodard Bay ~ 4PM (Low tide 0.2 at 5:18PM)



The Woodard Bay Natural Area has old second growth forest.



Many of the pilings house Purple Martin nest boxes.



The Newt pond in the Woodard Bay Natural Area.



Watching newts!



Time for play while we waited for the bats.



Josephine's Sculpin



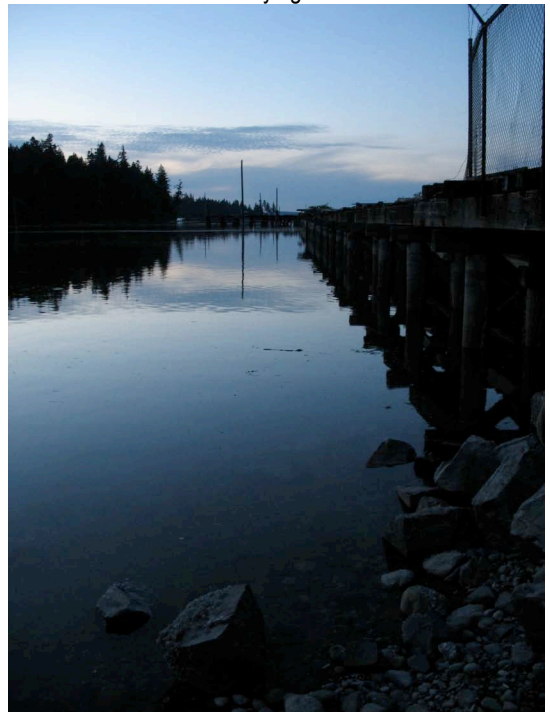
Lee caught a sculpin in a Moonsnail's shell (Finally!)



More waiting for bats:



The bats started flying around 9:20PM.



**Woodard Bay Field Trip, Species List (as seen & heard by Biol. 452 class) May 30, 2009**

<b>Class Actinopterygii</b>	
<b>Order Scorpaeniformes (Family Cottidae)</b>	Tidepool Sculpin
<b>Class Amphibia (Lissamphibia)</b>	
<b>Order Caudata</b>	Rough-skin Newt
<b>Order Anura</b>	Bullfrog Pacific Chorus Frogs (heard)
<b>“Class” Reptilia</b>	
<b>Order Squamata</b>	Gartersnakes (species unknown; seen by Michael)
<b>Class Mammalia</b>	
<b>Order Soricomorpha</b>	Vagrant Shrew? (Dead on Chehalis Trail)
<b>Order Chiroptera</b>	Yuma Myotis Little Brown Bat (Myotis)
Learn more about Yuma Myotis here: <a href="http://www.batcon.org/index.php/education/article-and-information/species-profiles.html?task=detail&amp;species=2435&amp;country=43&amp;state=all&amp;family=100&amp;start=25">http://www.batcon.org/index.php/education/article-and-information/species-profiles.html?task=detail&amp;species=2435&amp;country=43&amp;state=all&amp;family=100&amp;start=25</a>	
<b>Order Lagomorpha</b>	Nuttall's Cottontail
<b>Order Rodentia</b>	American Beaver lodge (Outside of Nisqually NWR) Douglas Squirrel Townsend's Vole? (Spotted by Michael)
<b>Order Carnivora</b>	Raccoon Harbor Seal
<b>Order Artiodactyla</b>	Mule Deer (tracks)
<b>Class Aves</b>	
<b>Order Anseriformes</b>	Canada Geese Mallard Common Merganser
<b>Order Ciconiiformes</b>	Great Blue Heron
<b>Order Charadriiformes</b>	Glaucous-winged Gull Killdeer Western Sandpiper?
<b>Order Falconiiformes</b>	Red-tailed Hawk Cooper's Hawk? Osprey
<b>Order Columbiformes</b>	Mourning Dove (heard) Band-tailed Pigeon
<b>Order Piciformes</b>	Red-breasted Sapsucker
Learn more about the Red-breasted Sapsucker here: <a href="http://www.birdweb.org/birdweb/bird_details.aspx?id=273">http://www.birdweb.org/birdweb/bird_details.aspx?id=273</a>	
<b>Order Coraciiformes</b>	Belted Kingfisher
<b>Order Passeriformes</b>	Black-capped Chickadee Chestnut-backed Chickadee American Crow Violet-green Swallow Purple Martin Bewick's Wren Red-breasted Nuthatch (heard) Western Kingbird American Robin Spotted Towhee Red-winged Blackbird Song Sparrow White-crowned Sparrow American Goldfinch House Finch (heard)
Compare the calls of these closely related birds: Chestnut-backed Chickadee: <a href="http://www.allaboutbirds.org/guide/Chestnut-backed_Chickadee/id">http://www.allaboutbirds.org/guide/Chestnut-backed_Chickadee/id</a>	
Black-capped Chickadee: <a href="http://www.allaboutbirds.org/guide/Black-capped_Chickadee/id">http://www.allaboutbirds.org/guide/Black-capped_Chickadee/id</a>	