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)

Many of the pilings house Purple Martin nest boxes.

The Woodard Bay Natural Area has old second growth forest.

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 Moosnail’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

## Class Actinopterygii

| Order Scorpaeniformes (Family Cottidae) | Tidepool Sculpin |

## Class Amphibia (Lissamphibia)

| Order Caudata | Rough-skin Newt |
| Order Anura | Bullfrog  
 Pacific Chorus Frogs (heard) |

## “Class” Reptilia

## Class Mammalia

| Order Soricomorpha | Vagrant Shrew? (Dead on Chehalis Trail) |
| Order Chiroptera | Yuma Myotis  
 Little Brown Bat (Myotis) |
| Order Lagomorpha | Nuttall’s Cottontail |
| Order Rodentia | American Beaver lodge (Outside of Nisqually NWR)  
 Douglas Squirrel  
 Townsend’s Vole? (Spotted by Michael) |
| Order Carnivora | Raccoon  
 Harbor Seal |
| Order Artiodactyla | Mule Deer (tracks) |

## Class Aves

| Order Anseriformes | Canada Geese  
 Mallard  
 Common Merganser |
| Order Ciconiiformes | Great Blue Heron |
| Order Charadriiformes | Glaucous-winged Gull  
 Killdeer  
 Western Sandpiper? |
| Order Falconiiformes | Red-tailed Hawk  
 Cooper’s Hawk?  
 Osprey |
| Order Columbiformes | Mourning Dove (heard)  
 Band-tailed Pigeon |
| Order Piciformes | Red-breasted Sapsucker |
| Order Coraciiformes | Belted Kingfisher |
| Order Passeriformes | 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) |

Learn more about Yuma Myotis here: [here](http://www.batcon.org/index.php/education/article-and-information/species-profiles.html?task=detail&species=2435&country=43&state=all&family=100&start=25)

Compare the calls of these closely related birds:
- Chestnut-backed Chickadee: [here](http://www.allaboutbirds.org/guide/Chestnut-backed_Chickadee/id)
- Black-capped Chickadee: [here](http://www.allaboutbirds.org/guide/Black-capped_Chickadee/id)