

Checklist of Sightings for Eco Tours

✓ = you actually saw this during your visit

✗ = you read the sign of this species on your boardwalk tour

Check the location of your field trip:

- 1) Galva Canal Marsh site
- 2) Pass Manchac/Turtle Cove site
- 3) Other

*Fish/Macroinvertebrate

- ___ Alligator gar/*Atractosteus spatula*
- ___ Bay Anchovy/*Anchoa mitchilli*
- ___ Blue Crab/*Callinectes sapidus*
- ___ Bluegill/*Lepomis macrochirus*
- ___ Bowfin/*Amiiformes*
- ___ Brown Shrimp/*Farfantepenaeus aztecus*
- ___ Catfish/*Siluriformes*
- ___ Crawfish/*Decapoda*
- ___ Damselfly larvae/*Zygoptera*
- ___ Dragonfly larvae/*Anisoptera*
- ___ Fishing Spider/*Dolomedes*
- ___ Gambusia (Mosquito Fish)/*Gambusia affinis*
- ___ Giant Water Bug/*Belostomatidae*
- ___ Grass Shrimp/*Palaemonidae*
- ___ Gulf Killifish (Cocahoe)/*Fundulus grandis*
- ___ Gulf Menhaden/*Brevoortia patronus*
- ___ Largemouth Bass/*Micropterus salmoides*
- ___ Least Killifish/*Heterandria formosa*
- ___ Louisiana Pearlshell Mussel/*Margaritifera hembeli*
- ___ Lubber grasshopper/*Romalea guttata*
- ___ Mud Crab/*Scylla serrata*
- ___ Naked Goby/*Gobiosoma bosc*
- ___ Predaceous Diving Beetle/*Dytiscidae*
- ___ Rangia Clam/*Rangia cuneata*
- ___ Ribbed Mussel/*Geukensia demissa*
- ___ Sailfin Molly/*Poecilia latipinna*
- ___ Scud/*Amphipoda*
- ___ Sheephead Minnow/*Cyprinodon variegatus*
- ___ Spotted Gar/*Lepisosteus oculatus*
- ___ Striped Mullet/*Mugil cephalus*
- ___ Topwater Minnow/*Cypriniformes*
- ___ Water Boatman/*Corixidae*
- ___ Water Scorpion/*Nepidae*
- ___ White Shrimp/*Litopenaeus setiferus*

*Reptiles

- ___ Alligator Snapping Turtle/*Macrochelys temminckii*
- ___ American Bullfrog/*Rana catesbeiana*
- ___ American Alligator/*Alligator mississippiensis*
- ___ Anole/*Anolis carolinensis*
- ___ Broad Banded Watersnake/*Nerodia fasciata confluens*
- ___ Common garter snake/*Thamnophis sirtalis*
- ___ Cottonmouth snake/*Agkistrodon piscivorus*
- ___ Cricket Frog/*Acris gryllus*
- ___ Diamondback Water Snake/*Nerodia rhombifer*
- ___ Green Tree Frog/*Hyla cinerea*
- ___ Red-eared Slider Turtle/*Trachemys scripta elegans*
- ___ Snapping Turtle/*Chelydra serpentina*
- ___ Smooth Softshell Turtle/*Apalone mutica*

*Plants

- ___ Alligatorweed/*Alternanthera philoxeroides*
- ___ Baldcypress/*Taxodium distichum*
- ___ Bulltongue/*Sagittaria lancifolia*
- ___ Bulrush/*Scirpus robustus*
- ___ Buttonbush/*Cephalanthus occidentalis*
- ___ Canary grass/*Phalaris* spp.
- ___ Common Rush/*Juncus effusus*
- ___ Deer Pea/*Vigna luteola*
- ___ Dodder/*Cuscuta* spp.
- ___ Dollarweed/*Hydrocotyla umbellata*
- ___ Dwarf Palmetto/*Sabal minor*
- ___ Iris/*Iris virginica*
- ___ Leafy Three-Square/*Schoenoplectus robustus*
- ___ Marsh elder/*Iva frutescens*
- ___ Marsh morning glory/*Ipomoea sagittata*
- ___ Pickerel weed/*Pontederia cordata*
- ___ Rattlebox/*Sesbania drummondii*
- ___ Salt Marsh Aster/*Aster subulatus*
- ___ Seaside Goldenrod/*Solidago sempervirens*
- ___ Smartweed/*Polygonum punctatum*
- ___ Smooth cordgrass/*Spartina paten*
- ___ Southern Cattail/*Typha* spp.
- ___ Spider lily/*Hymenocallis caroliniana*
- ___ Swamp Red Maple/*Acer rubrum*
- ___ Tallow tree/*Triadica sebifera*
- ___ Three-cornered grass/*Schoenoplectus americanus*
- ___ Virginia saltmarsh mallow/*Kosteletzkya virginica*
- ___ Waxmyrtle/*Myrica cerifera*

*Birds

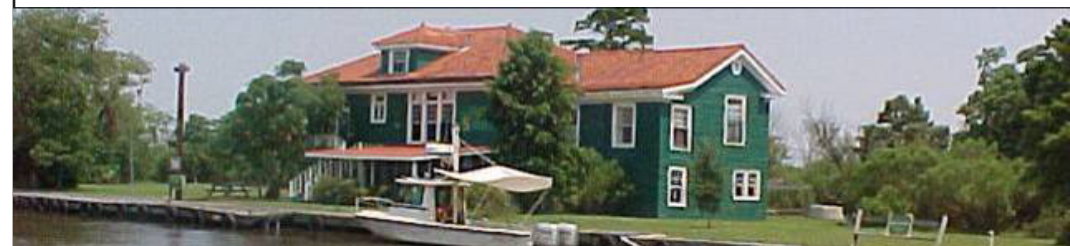
- ___ Anhinga/*Anhinga anhinga*
- ___ Bald Eagle/*Haliaeetus leucocephalus*
- ___ Barred Owl/*Strix varia*
- ___ Belted Kingfisher/*Megasceryle alcyon*
- ___ Brown Pelican/*Pelecanus occidentalis*
- ___ Coot/*Fulica americana*
- ___ Cormorant/*Phalacrocorax auritus*
- ___ Great Blue Heron/*Ardea herodias*
- ___ Great Egret/*Ardea alba*
- ___ Ibis/*Eudocimus albus*
- ___ Laughing Gull/*Laurs atricilla*
- ___ Mallard/*Anas platyrhynchos*
- ___ Night Heron/*Nycticorax nycticorax*
- ___ Osprey/*Pandion haliaetus*
- ___ Red-cockaded Woodpecker/*Picoides borealis*
- ___ Red-shouldered Hawk/*Buteo lineatus*
- ___ Red-winged Blackbird/*Agelaius phoeniceus*
- ___ Snowy Egret/*Egretta thula*
- ___ Wood Duck/*Aix sponsa*

*Mammals

- ___ Cotton Mouse/*Peromyscus gossypinus*
- ___ Nutria/*Myocastor coypus*
- ___ Rabbit/*Oryctolagus cuniculus*
- ___ Raccoon/*Procyon lotor*
- ___ River Otter/*Lontra Canadensis*
- ___ White Tailed Deer/*Odocoileus virginianus*
- ___ Wild Boar /*Sus scrofa*



Visitor's Guide to the Turtle Cove Environmental Research Station



The Turtle Cove Environmental Research Station is a field research and education/outreach facility and program of Southeastern Louisiana University. Turtle Cove consists of facilities located on two sites at Galva Canal in Manchac (Akers, LA) and on Pass Manchac in the Lake Pontchartrain estuarine ecosystem's Manchac Wildlife Management Area (WMA). Turtle Cove helps support a variety of interdisciplinary research and education programs at Southeastern—and other universities around the region. Field trips for university students as well as K-12 and other community groups are also offered year-round. Turtle Cove's extensive education and outreach programs are widely renowned across the region. The main guesthouse (i.e., "Turtle Cove") on Pass Manchac was constructed in 1908 by Mr. Edward Schlieder, a businessman, logger, and outdoorsman from New Orleans. The estate was donated after his death to the State of Louisiana's Department of Wildlife and Fisheries (LDWF) from whom Southeastern now leases the land and facilities. The mission of Turtle Cove is to facilitate a better understanding of the coastal wetland environments of Southeast Louisiana through research, university education, teacher training, and public outreach. For more information or to make a donation, please visit our website at www.selu.edu/turtlecove. Enjoy your visit!

Turtle Cove Boatshed and Classroom/Office Complex at Galva Canal in Manchac

(911 Address: 87 Alligator Lane, Akers, LA 70421)



Galva Classroom



Parking Lot



Galva Canal

Sampling Wharf



(High ground with hurricane debris)

Galva Marsh

(Low marsh)

Galva Marsh Walking Trail

Research Storage Shed

Information on Young Scientist Field Training and Education Program:

In 2010 Turtle Cove received a \$60,000 NOAA grant for Establishment of an Education Training Program for Young Scientists and Ecosystem Tours for Students and Community Leaders at Galva Canal Marsh and Manchac Swamp at Turtle Cove. Associated partners include the Louisiana Department of Wildlife and Fisheries (LDWF) Education Program, University of New Orleans-Coastal Education Program, and the Lake Pontchartrain Basin Maritime Museum (LPBMM). The project enables advanced middle and high school students to obtain hands-on training in a variety of wetland studies of their choosing, such as: water quality sampling techniques, vegetation identification, and establishment and monitoring of wetland experiments run by Southeastern faculty and graduate students. The program also includes Turtle Cove's long standing wetland field trip tours on the Turtle Cove Pontoon Boat for K-12 and other community groups and leaders.

Vegetation Identification

Stroll through the short walking trail at Galva Marsh and list up to 10 wetland plants (common names) you see. Use laminated field guide to assist you.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Water Quality Exercise (if applicable):

Temp: _____

Salinity (in ppt): _____

Turbidity: _____

Other: _____

Location(s) of Above: _____

Turtle Cove Environmental Research Station at Pass Manchac Self-Guided Boardwalk Tour

(30° 17' 38.547", -90° 20' 6.2448")



Pass Manchac

Front Yard



Turtle Cove

*This map not to scale

Start of Tour X

#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11

#12 #13 #14 #15

#16 #17

#18 #19 #20 #21

#22 #23

#24 #25

#26 #27

#28 #29

#30 #31

#32 #33

#34 #35

#36 #37

#38 #39

#40

Logging Ditches



Station Names:

1. Cormorant	15. Roseaucane	31. Osprey	44. Salt Marsh Aster
2. Menhaden	16. Palmetto	32. Cattail	45. Smartweed
3. Crab	17. Canary grass	33. White Ibis	46. Morning Glory
4. Catfish	18. Iris	34. Great Egret	47. Nutria
5. Hawk	19. Spiderlily	35. Otter	48. Dodder
6. Bald Eagle	20. Deer pea	36. Snowy Egret	49. Wild Boar
7. Brown Pelican	21. Bulltongue	37. 3 square/3	50. Rattlebox
8. Rangia Clam	22. Baccharis/ Elder	cornered grass	51. Bass/ Bluegill
9. Laughing Gull	23. Alligatorweed	38. Logging Ditch 1	52. Cottonmouth
10. Shrimp	24. Watersnakes	39. Marshhay/	53. Alligator
11. Tallow tree	25. Saltmarsh mallow	Smooth cordgrass	54. Common Reptiles
12. Goldenrod	26. Butterflies	40. Logging Ditch 2	55. Common Turtles
13. Baldcypress	27. Deer	41. Mosquito Fish	56. Maple
14. Lubber	28. Blue Heron	42. Gulf Killifish	
Grasshopper	29. Pigweed	43. Sailfin Molly/	
	30. Blackbird	Sheepshead	