

September 2, 1974 # 1

Box turtle picked up dead three miles above southern boundary of Guadalupe county, southeast of Vaughn. Elev. 5750 (Paulin Altimeter = PA).

Tadpoles were collected in a small cattle "tank" near Wire Lake, Chaves Co., Elev 4960 PA, Bottom silt, Water clear white, six inches deep.

4 line box turtle picked up 44 miles north of Roswell on the road from Vaughn. Elev. PA.

Coyotes and hawks were frequently being seen. A photo was taken of one series ^{of 22} found 28 miles north of Roswell. Further on a series of 113 was found, (not counting very old ones falling to pieces); many of them quite fresh and not picked by the buzzards.

Salt creek was dry 12 miles north of Roswell.

Spent several hours on the southern portion of the Better Lakes Wild life Refuge, Mr. Keefer in charge. This is a very interesting place with many water loving birds. Many ducks, identity not determined, but stated by Mr. Keefer to be Blue-wing teal and Pintail. Asked about the N. M. duck, he replied that he had seen them at Bosque but not here.

Sept. 2, 1944#2

Three white pelicans were seen. Many great blue herons and a number egrets, Brewer's swans and Americans. They were seen together and there is no question of the identification of the latter. My copy of Peterson is marked with the N. W. species and the American is not indicated as occurring in N.W.

WJK44-09-02-01 Parts of Units 15 & 16 at the southern end of the preserve were reined. There are unjoined mudflats, probably not over ten or so feet deep although quite extensive. Much of the "shore" is really shallow water with a very dense growth of sedges of some sort. Elev. PA - 3715. Capture 6 x 10 foot seine, Temperature $A 33^{\circ} C$ $W 24^{\circ} C$ at 1:45 S-T. Water clear light brown; current stagnant, Bottom silt and mud with considerable H_2S emerging from the bottom. Vegetation sparse (along dike) to abundant in shallows.

Cyprinus carpio var. adults seen, not captured

Natropis deliciosus in shallow water among moderate vegetation

Natropis lutrensis more abundant along dike with sparse vegetation and more firm silt or clay bottom. Some were in breeding color.

Sept. 2, 1944 #3

Vatrapis proserpina found with perching along dikes,
Desmida episcopa (not sure this was present - but seem
to recollect some from ^{moderately} dense vegetation.

Dorsomus epedianum fairly common in vegetation.

Astyanax fasciatus mexicanus ditto, some very bright.

Huro salmoides common in more open waters, mostly
seen; several captured. Those taken in very shallow,
warm water, ~~with~~ (such places usually gave off H₂S)
behaved in an unusual fashion. They held their mouths
and operculum wide open and rigid until dropped into
preservative.

Lepomis cyanellus fairly common in vegetation.

L. megalotis in vegetation.

L. macrocheira reported by H.A. Keefer.

Cyprinodon elegans Most abundant fish of the area
found almost everywhere.

Gambusia nobilis (?) abundant in ^{very} dense vegetation,
as well in in more open areas.

Lucania fairly common along with Gambusia.
One seemed to be in breeding color.

Plauterius in shallows, mostly in the more open areas.

September 2, 1944 #44

Several larger frogs were seen at a distance but not captured, 1 small one captured.

One garter snake captured. A *Pseudemys*, very dead, was seen along the road near Unit 15.

Two photos, one of greedy shallows, one of dike taken. Farmer may show Pelicans as specks in distance.

WJK44-09-02-02

Seined Better lake. with 10' seine for a short while. This was not thoroughly worked because we had to get to town before things closed. However, we probably would have added little. It is a shallow lake, probably an old sink hole in the last stages of filling in. (Several smaller ^(6-8 ft) sink holes were nearby. The bottom is firm, largely mineral in nature less than 18 inches and soft silt deeper than that. Vegetation was sparse and consisted of a Chara like plant. Most vegetation was heavily encrusted with minerals. A 29.7 W 20.5 9:30 PM ST

Fish most abundant in water 1-2 feet deep. All sorted except carp skeletons seen on shore.

2 photos, one of area seined which is typical of entire shore line; the second a general view.