

photo 671114-1, Thrust in variegated mud-sand zone. It will be noted that the burrow system is below these mud-sand lamination and not above them except in thrust area. See diagrams of the 12th. for this structure.

photo 671114-2 variegated mud-sand showing increase in width of sand (white) toward base and the burrows of invertebrates? below.

photo 671114-3 Close up of burrow system with debris in channel.

photo 671114-4 burrow system below variegated mud-sand.

There were fewer fish jumping this afternoon than 2 days ago. In the last 2 days there has been considerable reforming of the sand cliffs and old structures have been erased or completely destroyed and new ones (as in photo 671114-1) are appearing. This structure (671114-1) did not appear in cliffs when visited last year.

Lawrence, Douglas Co., Kansas

Nov. 14, 1967

Dr. William Coil presented me with the following specimens of Limnodonmus scalopareus collected Nov. 12 at Texas.

	Et culmen	Ant nasal to tip	width nasals	w. base bill	wing	tarsus.
671114-5	55	47.5	4.5	7.0	141	39
671114-6	56	50.3	4.0	6.5	142	39.
671114-7	55	48.2	4.8	7.0	136	39
671114-8	58	51.5	4.5	6.8	142	39
671114-9	57	50.0	3.9	6.8	144	39
671114-10	54	47.0	3.9	6.8	144	39
671114-11	52	46.0	4.2	6.8	147	39
671114-12	58	<del>51.0</del>	4.7	6.9	147	39

See July 28, 1967 for comparison with other populations:

Kaw River, (Lawrence to De Soto), Kansas

Nov. 18, 1967

made solitary trip by canoe from the Lawrence bridge to the DeSoto Bridge. Left 8:00 A.M. Day clear, air temp 45°F. water 49°F. wind from W and about 6 mi. per hour. Belted Kingfisher at bridge. All leaves off cottonwoods, even those few leaves that remain on top (both old & young trees). Willows with leaves off lower 1/2 and yellow of the leaves on upper 1/2. The color change from greens to yellow are most important changes since last week (see previous trip). Green leaves of willow in youngest trees and nearest water. 8:45 passing bubbling pipes. 4 crans to S. 8:50 utility lines crossing river. 8:53 major drain-