

1/10 mi down Kaw River from Oakley Creek, Douglas Co., Kansas
Feb. 23, 1981

Annette and I to sandbar to check for artefacts and bald eagles. At 10:45 A.M. an immature ^{bald eagle} circled down river about 150' high over our position. It continued down river. From sandbar which is uncovered more than I have ever seen it was exposing larger gravel and rocks at receding sands adjoining present river. As was true of yesterday, strong winds blew sand on sandbars and in bottomland field. The Brune property is blowing seriously and covering several acres with drifting sand. S banks still muddy from winter moisture.

Collected 3 bones from here:

- 810223-1 Apis fused with 3rd Cervical vertebra - Pleistocene or very old moose.
810223-2 Cannon bone, Metacarpal or metatarsal.
810223-3 distal end of radius.

3 ring-billed gulls resting on sandbar but left when eagle flew overhead.

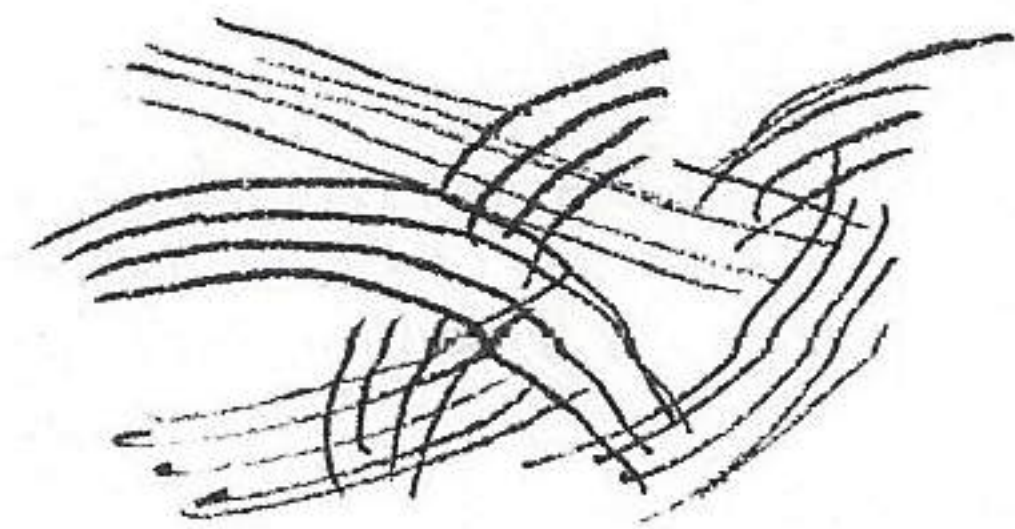
14/10 mi. down Kaw River from mouth Oakley Creek, Douglas Co., Kansas

Feb. 24, 1981

Checked sandbar for bones and artefacts. Remarkably few bones on a sandbar that is exposed more than it ever has been before. Collected one leg bone no. 810224-1.

The outer edge of sandbar had been greatly modified by ice action, some places as far as 60' inland by smoothing sand irregularities, grading banks, pushing mud & sand into ridges and creating an unusual design on the surface.

Some deep grooves created by small objects that by their own weight



could not have created the groove so explain it by object being held securely in ice sheet and with the added weight made the deep channel. Only one mass of ice 3' x 3' by 1 inch thick on bar in protected part of river on S side. No other snow or ice in area. From this sandbar can see 5 bald eagles, 3 adults 5/10 mi. down stream from mouth of Stone House Creek, 1 immature on S side some distance down from mouth Stone House Creek and 1 adult 1 mi. down ^{Kaw} on S side in trees from Stone House Creek. They remained in same position from 1:00 P.M. to 3:00 P.M. 18 golden eye ducks in river in one group, 30 ring-billed gulls in one group. Tracks of beaver, mink, coyote, muskrat, raccoon, geese and crow on sandbar.