

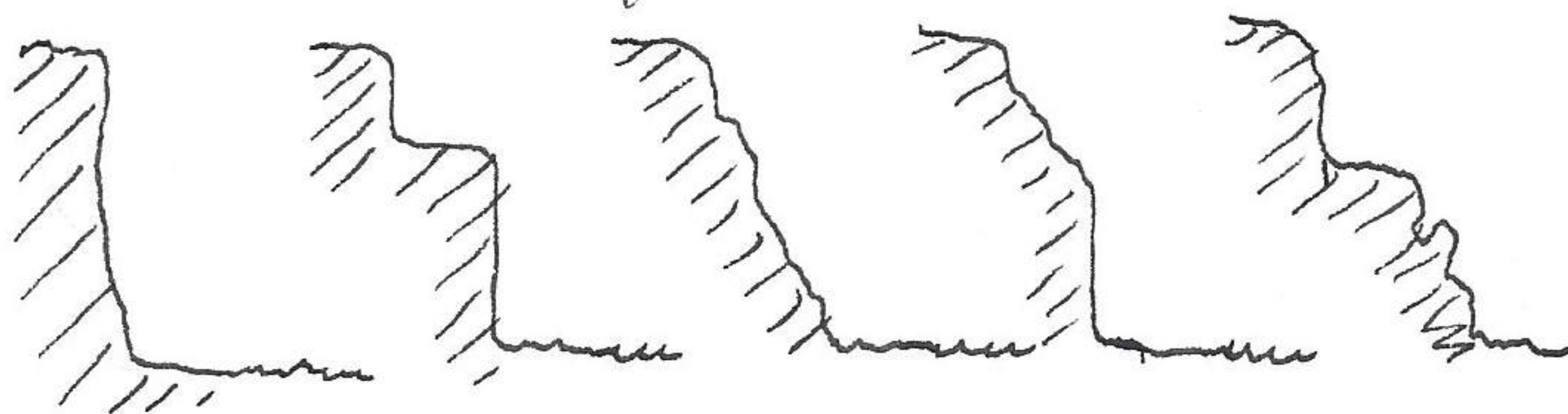
May 8, 1968

English sparrows feeding young on ground. young same size as parent. Swainson thrush & Cowbird in backyard of 1620 Tenn. Starling with young in nests. First hummingbird observed today at 1620 Tenn. Robin feeding young on ground. Starling building second nest.

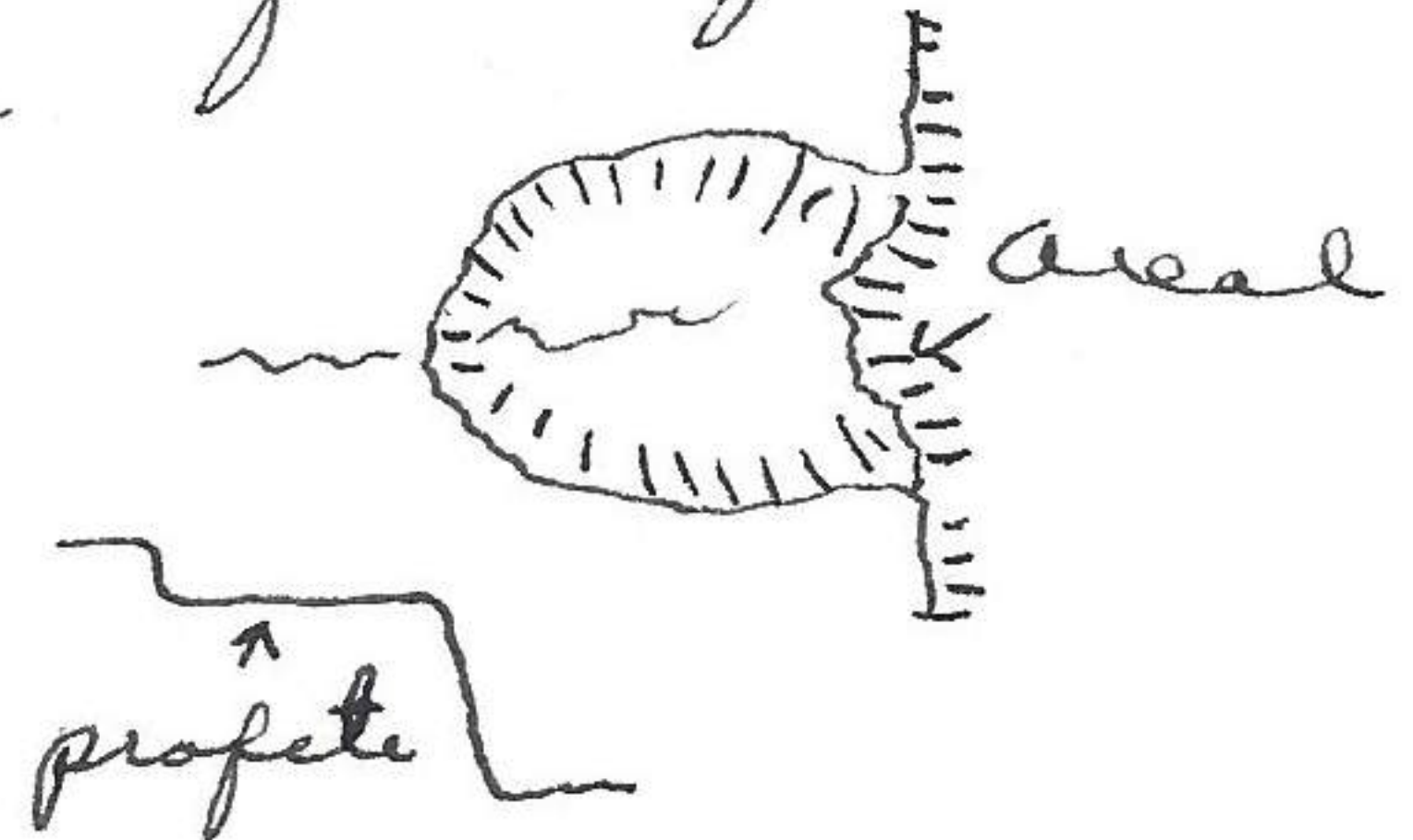
Kaw River, Johnson Co., Kansas

May 9, 1968

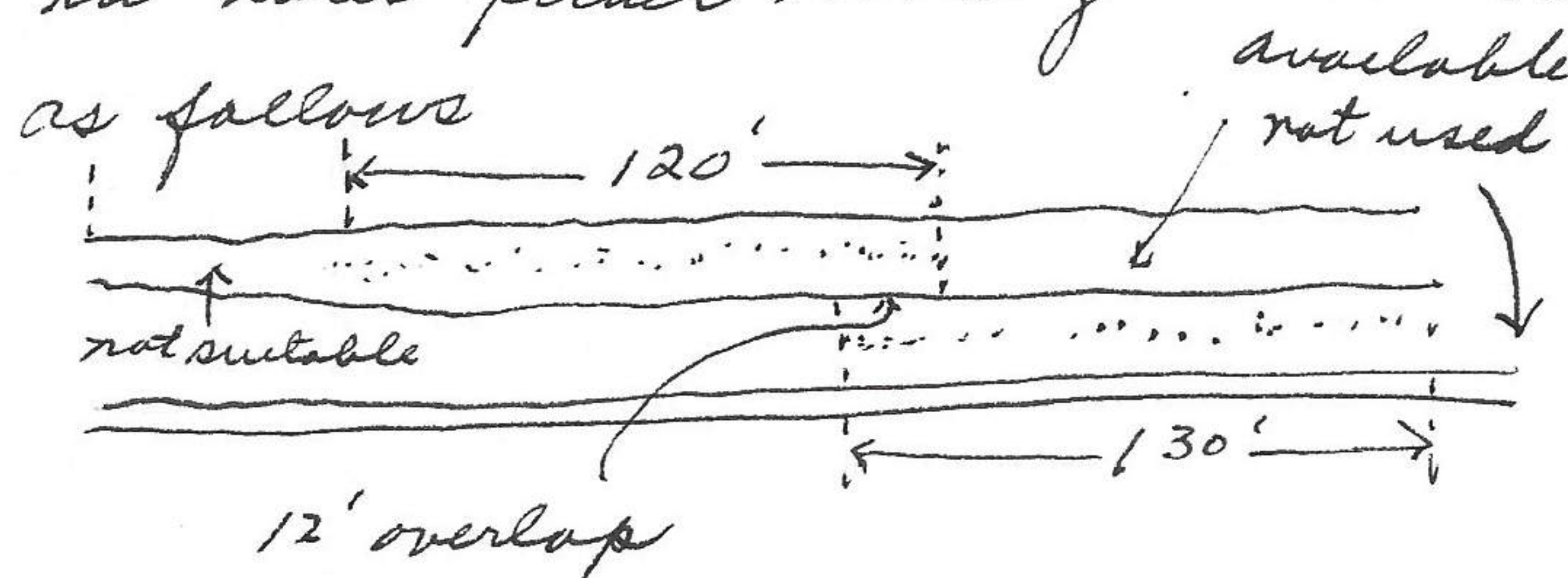
Inspected nesting colony of bank swallows at a point on the Kaw River between Eudora and De Soto. In allowing for river bank erosion since map last revised, would place the position as follows: 4.0 mi. S and 3.1 mi. W of NE corner of sec 25, R21E, T12S. This site is approx. 300' up stream from rock barrier on south side of river. Made approach from road to south near point where river comes closest to road. River bank erosion varies from perpendicular cliff to the following variations. at points where water from field drain over edge



the pattern is a broad cirque on a higher level bench.



There did not appear to be much profile change since last inspected on previous same trip. at colony site there was not much activity, in fact, I was inclined to believe that the birds had deserted the area as only 5 or 6 birds were present. at the most there were not over 15 birds in the air at one time. vocalization was at a minimum. A close inspection disclosed the presence of other birds in holes either resting or incubating eggs. Made count of holes as follows



In the upper level there were 288 holes; in the lower level 298 or 586 total. This in comparison to 500 on previous counted (see last trip on river) of special interest is the overlap of 12 feet with usable linear space beyond ends of each

series. The holes were placed in the upper 2/3 of available cliff and in no instance less than 1 foot from the top of either level. Holes usually with excavation striae at entrance and the floor with a medial strip. Upper holes of drier sand than lower holes. Considerable deep loose sand below nest at base of cliff from material excavated from holes. This sand offers poor footing and may act as a barrier for predators. Holes from those just started to those 3 feet deep. Most of the holes held fragments of weed stems from a hand full to 6 or 7 small pieces. One nest, 26 inches into bank held 2 eggs that measured 18.9 x 12.4 (fresh) and 17.9 x 12.2 (just starting with blood). A second nest held one egg 16.6 x 11.7 (fresh).