

is the tendency for bull frogs to escape up slope into vegetation. made the following collections:

- 660722-1 *Natrix* 528 body length, 180 tail, 115 gms
- 660722-2 *Acris* destroyed

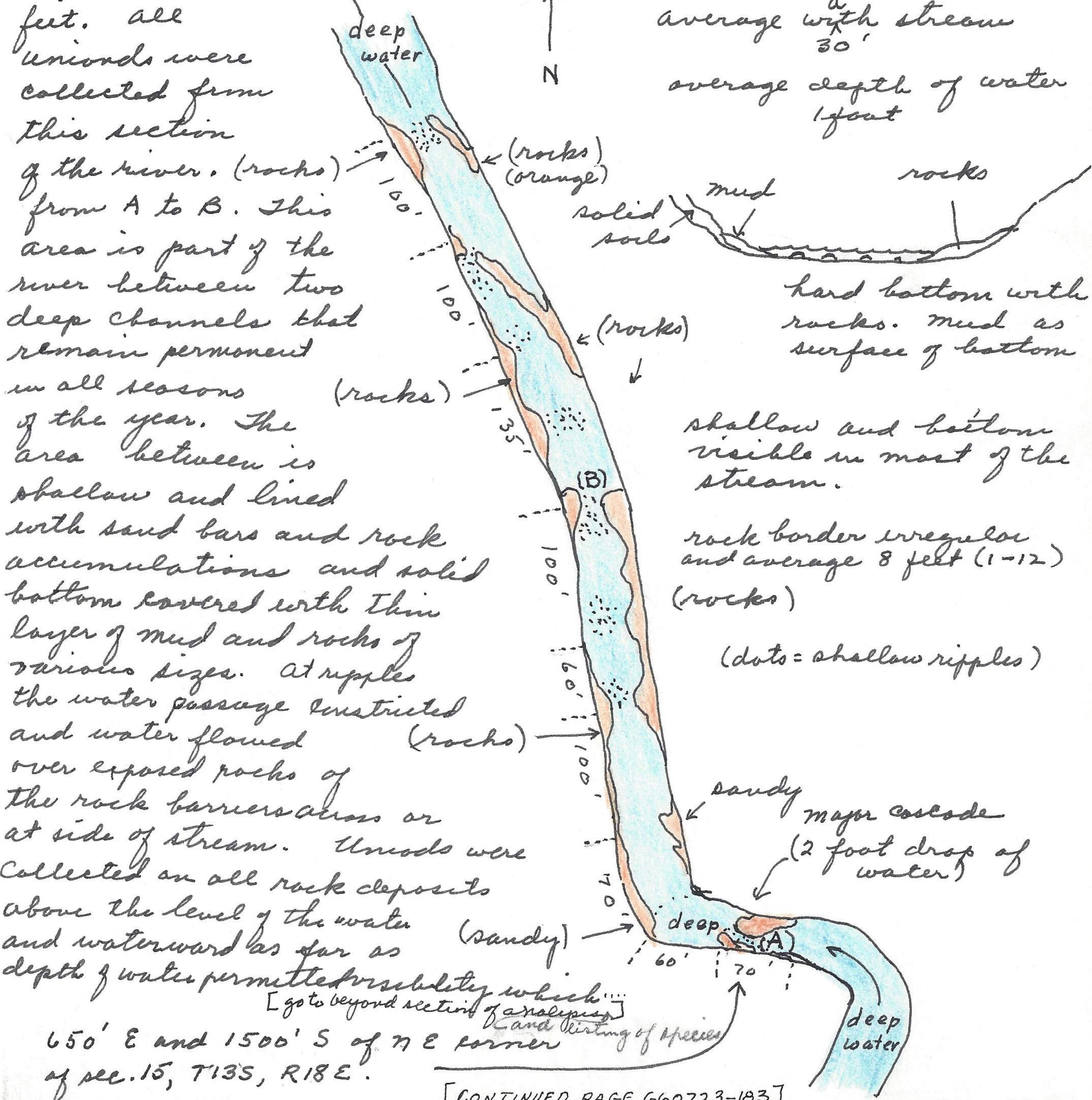
660722-3 Unionids. Collected selectively and included.

~~Below~~ ~~above~~ highway 59; *Quadrula quadrula* (largest total length 116); *Quadrula pustulosa* (63); *Quadrula ovata*; *Lampulus ovata ventricosa* (121); *Lampulus anodentoides* (105); *Lampulus rufus*; *Lampulus selgouei* (133); *Truncella doraeformis* (47); *Proptera alata* (180); *Lampulus complanata* (184); *Quadrula grandis* (152); *Leptodea fragilis* (125); *Tritogonia reticulosa* (179); *Crenadonta costata* (134).  
~~Below~~ ~~above~~ highway 59 same except no *Lampulus ovata ventricosa* or *Lampulus r. selgouei*.

Wakarusa River, NW Clinton, Douglas Co., Kansas

July 23, 1966

Collected a sample of unionids, 660723-1 from a section of the Wakarusa River (see definite locality below) measuring 460 linear feet. all unionids were collected from this section of the river. (rocks) from A to B. This area is part of the river between two deep channels that remain permanent in all seasons of the year. The area between is shallow and lined with sand bars and rock accumulations and solid bottom covered with thin layer of mud and rocks of various sizes. At ripples the water passage restricted and water flowed over exposed rocks of the rock barriers across or at side of stream. Unionids were collected on all rock deposits above the level of the water and waterward as far as depth of water permitted visibility which [go to beyond section of analysis and listing of species]



650' E and 1500' S of NE corner of sec. 15, T13S, R18E.