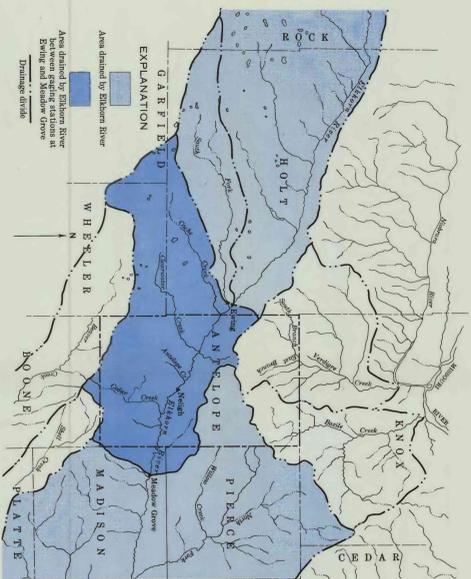
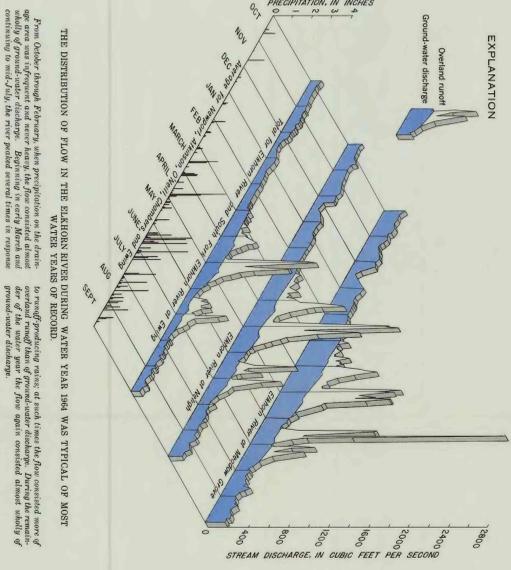


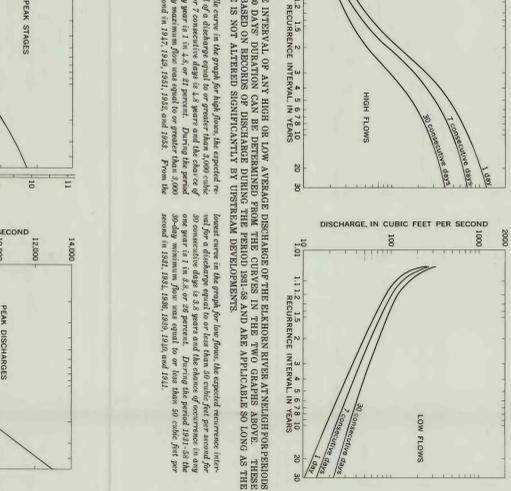
SURFACE WATER



THE ELKHORN RIVER BASIN SOUTHWESTWARD ACROSS THE COUNTY AND DRAINS ABOUT 20 PERCENT (20 SQUARE MILES) OF THE COUNTY AREA. ITS FLOW IS GAGED AT EMINO GAGES UPSTREAM FROM THE WEST COUNTY LINE, AT NEIGHT NEAR THE CENTER OF THE COUNTY, AND AT MEADOW GROVE 6 MILES DOWNSTREAM FROM THE EAST COUNTY LINE.



FROM OMAHA THROUGH PATERSON, WHEN PRECIPITATION ON THE GREAT PLAINS IS ABOVE NORMAL, THE ELKHORN RIVER HAS A TENDENCY TO FLOOD. DURING THE PERIOD 1917-1952, THE ELKHORN RIVER WAS TYPICAL OF MOST WATER YEARS OF RECORD.

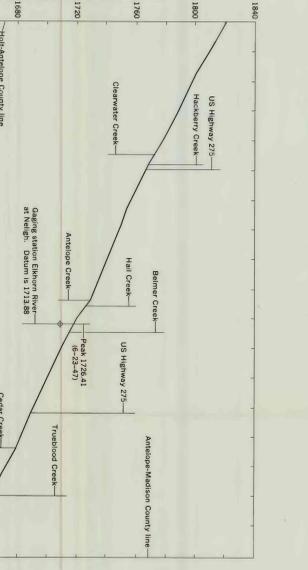


THE RECURRENT INTERVAL OF ANY HIGH OR LOW AVERAGE DISCHARGE OF THE ELKHORN RIVER AT EMINO AND MEADOW GROVE IS BASED ON RECORDS OF DISCHARGE DURING THE PERIOD 1917-1952 AND ARE APPLICABLE TO LONG AS THE FLOW REGIME IS NOT ALTERED SIGNIFICANTLY BY URBAN DEVELOPMENTS.

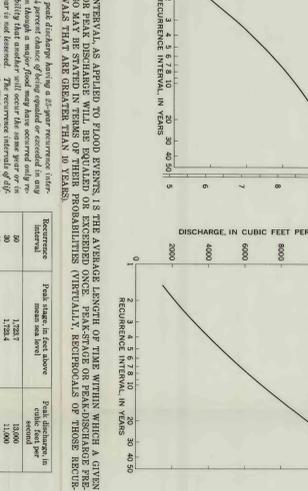


FROM THE MIDDLE OF THE PERIOD FOR HIGH FLOWS, THE RECURRENT INTERVAL OF ANY HIGH OR LOW AVERAGE DISCHARGE OF THE ELKHORN RIVER AT EMINO AND MEADOW GROVE IS BASED ON RECORDS OF DISCHARGE DURING THE PERIOD 1917-1952 AND ARE APPLICABLE TO LONG AS THE FLOW REGIME IS NOT ALTERED SIGNIFICANTLY BY URBAN DEVELOPMENTS.

The maximum discharge of the Elkhorn River at Emino is 2,575 cfs and at Meadow Grove is 1,600 cfs. The flow of the river at Emino is gaged at Emino Gages. The flow of the river at Meadow Grove is gaged at Meadow Grove Gages. The flow of the river at Emino is gaged at Emino Gages. The flow of the river at Meadow Grove is gaged at Meadow Grove Gages.



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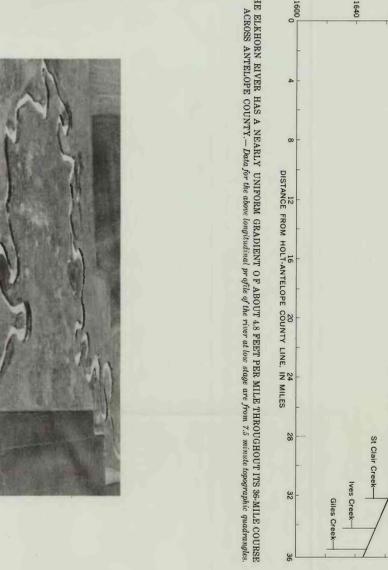


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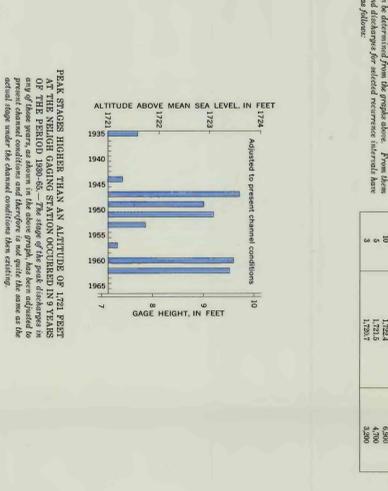


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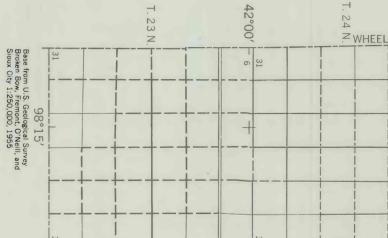
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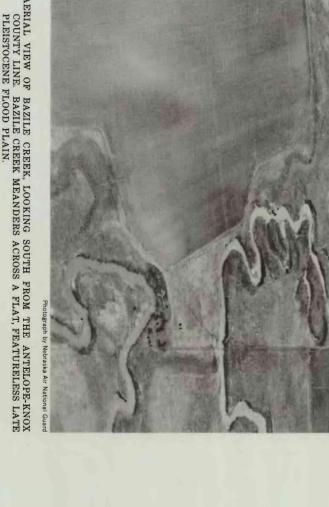
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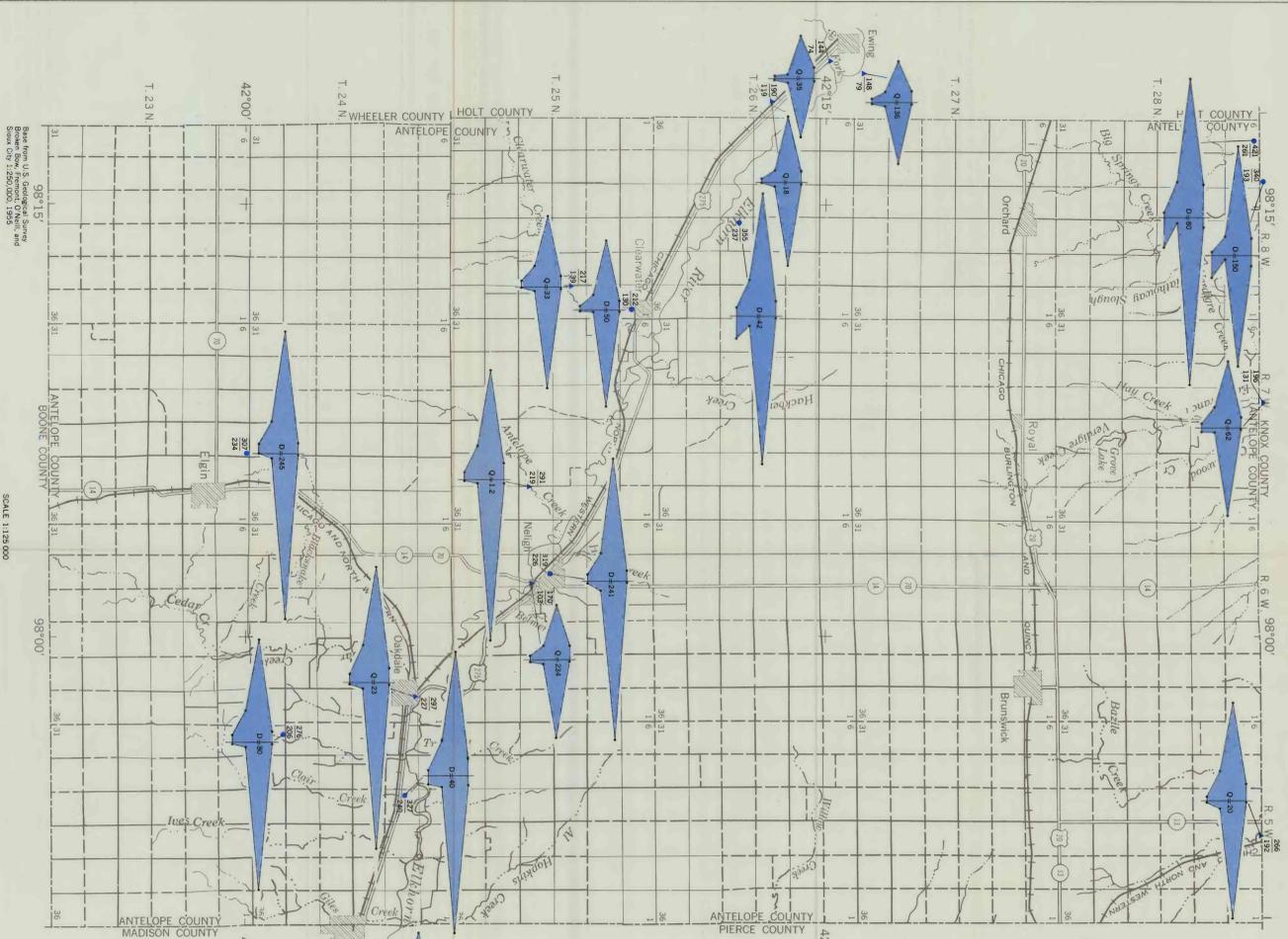


AERIAL VIEW OF THE ELKHORN RIVER, LOOKING NORTHEAST NEAR THE ANTELOPE COUNTY LINE, THE SANDY PLAIN WITH ITS LOW RELIEF AND MANY WINDBREAKS IN THE BACKGROUND.

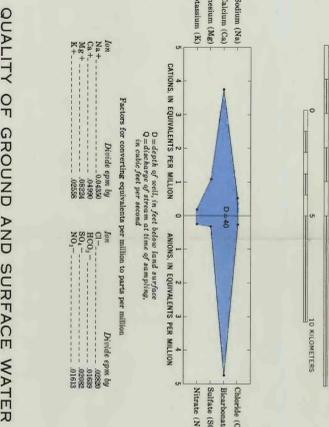


AERIAL VIEW OF THE ELKHORN RIVER, LOOKING SOUTH FROM THE ANTELOPE-KNOX COUNTY LINE, FLAT, FEATURELESS LATE PLEISTOCENE FLOOD PLAIN.

QUALITY OF WATER



ALL WATER IN OR DRAINING FROM THE PLAINS AND ARE TYPE. ANALYSES OF WATER SAMPLES FROM 8 SOLUBLE SOLIDS CONCENTRATIONS RANGING FROM 1470 TO 421 PARTS PER MILLION AND HARDNESS FROM 74 TO 1000 PARTS PER MILLION. THE WATER IS GATHERED FROM THE ELKHORN RIVER. THE WATER IS GATHERED FROM THE ELKHORN RIVER. THE WATER IS GATHERED FROM THE ELKHORN RIVER.



QUALITY OF GROUND AND SURFACE WATER

ALL WATER IN OR DRAINING FROM THE PLAINS AND ARE TYPE. ANALYSES OF WATER SAMPLES FROM 8 SOLUBLE SOLIDS CONCENTRATIONS RANGING FROM 1470 TO 421 PARTS PER MILLION AND HARDNESS FROM 74 TO 1000 PARTS PER MILLION. THE WATER IS GATHERED FROM THE ELKHORN RIVER. THE WATER IS GATHERED FROM THE ELKHORN RIVER. THE WATER IS GATHERED FROM THE ELKHORN RIVER.