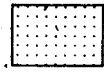

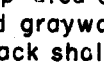

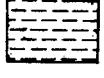



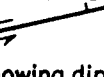
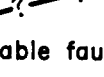
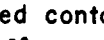
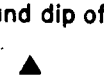


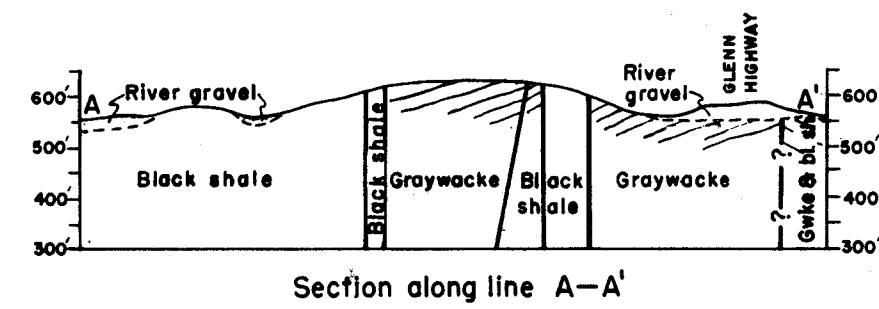
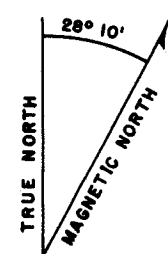


Geology and topography by
R. A. Eckhart, assisted by
W. E. Bakke. Surveyed in 1951
by stadia methods.

EXPLANATION

- | | | | |
|--|---|---|--------|
| LITHOLOGIC TYPES IN THE
MATANUSKA FORMATION |  | River gravel | RECENT |
| |  | Outcrop area of interbedded graywacke and black shale | |
| |  | Outcrop area of graywacke including a few thin beds of conglomerate and black shale | |
| |  | Outcrop area of black shale including a few thin beds of graywacke | |
| |  | Covered area probably underlain largely by black shale | |
| |  | Covered area probably underlain by interbedded graywacke and black shale | |
| |  | Very small exposure of black shale | |
| |  | Very small exposure of graywacke | |
| |  | Fault showing dip and relative movement | |
| |  | Probable fault | |
| |  | Inferred contact | |
| |  | Strike and dip of beds | |
| |  | Claim marker | |
| |  | Sample locality | |



GEOLOGIC MAP AND SECTION OF
HAYDITE SHALE AREA ALONG KINGS RIVER, ALASKA

300 0 300 600 900 FEET
Contour Interval 50 Feet
Datum is mean sea level