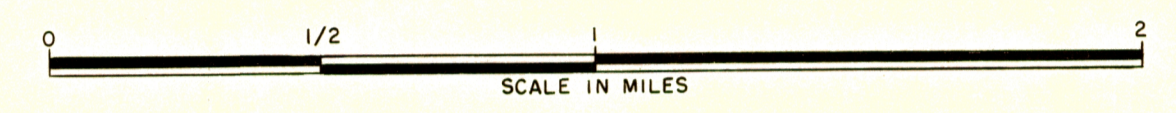


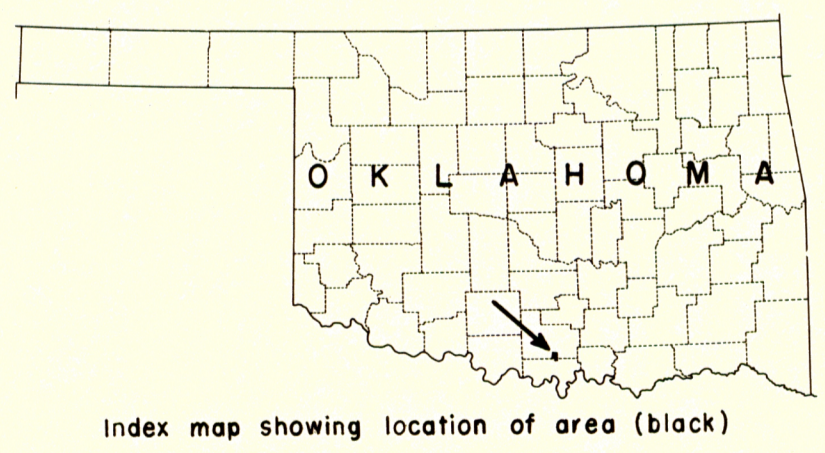
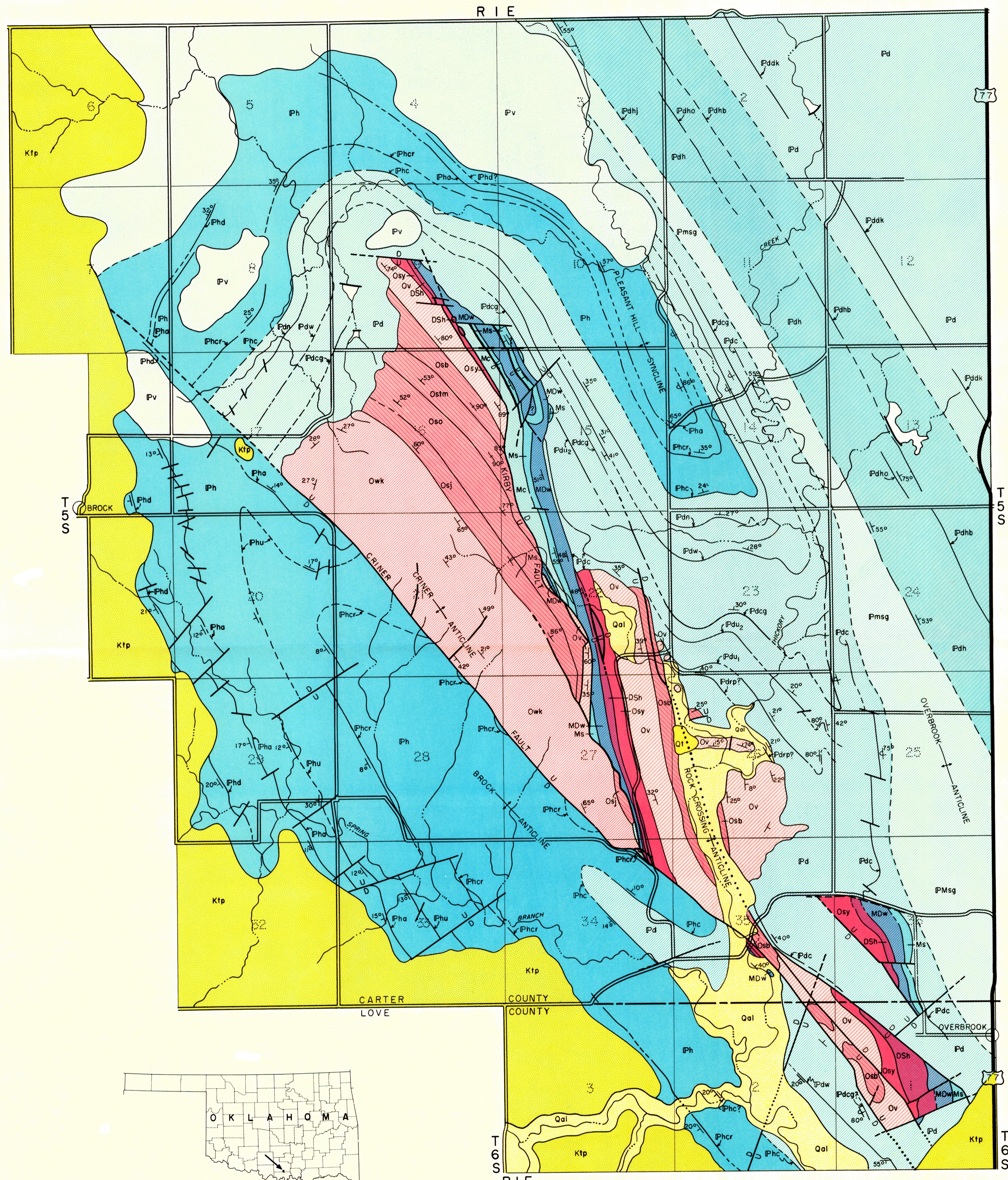
# GEOLOGIC MAP OF THE CRINER HILLS AREA OKLAHOMA

by  
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## EXPLANATION

- QUATERNARY**
  - Q1** **Qal**  
ALLUVIUM (Qal) and TERRACE DEPOSITS (Q1)
  - Ktp**  
PALUXY SAND  
(Basal formation of Trinity group in this region.)
- CRETACEOUS**
  - Pv**  
VANOSS FORMATION
- DEVONIAN**
  - Ph**  
HOXBAR GROUP  
(Hoxbar group, **Ph**, contains Daube limestone, **Phd**; Anadarche limestone, **Pha**; unnamed limestone [Dolan formation?], **Phu**; Crinerville limestone, **Phcr**; and Confederate limestone, **Phc**.)
- PENNSYLVANIAN**
  - Pd**  
DEESE GROUP  
(Deese group, **Pd**, contains Natsy limestone, **Pdn**; Williams limestone, **Pdw**, unnamed limestone-shale-conglomerate-sandstone sequence, **Pdcg**; unnamed upper sandstone, **Pdu<sub>1</sub>**; unnamed lower sandstone, **Pdu<sub>2</sub>**; Rocky Point(?) sandstone, **Pdrp?**; unnamed conglomerate, **Pdc**; and Devils Kitchen conglomerate, **Pddk**.)
- MISSISSIPPIAN**
  - Pdh**  
DORNICK HILLS GROUP  
(Dornick Hills group, **Pdh**, contains Bostwick conglomerate, **Pdhb**; Otterville limestone, **Pdho**; and Joliff limestone, **Pdhj**; Group is absent by convergence and by pre-Deese erosion on northeast limb of Pleasant Hill syncline.)
- SILURIAN**
  - PMsg**  
SPRINGER and GODDARD FORMATIONS
- DEVONIAN**
  - Mc**  
CANEY SHALE
  - Ms**  
SYCAMORE LIMESTONE
  - MDw**  
WOODFORD FORMATION
- SILURIAN**
  - DSh**  
HUNTON GROUP
  - Osy**  
SYLVAN SHALE
  - Ov**  
VIOLA LIMESTONE
  - Osb**  
**Ostm**  
**Oso**  
**Osj**  
BROMIDE FORMATION (Osb), TULIP CREEK and McLISH FORMATIONS (Ostm), OIL CREEK FORMATION (Oso), and JOINS FORMATION (Osj) OF SIMPSON GROUP.
  - Owk**  
WEST SPRING CREEK and KINDBLADE FORMATIONS OF ARBUCKLE GROUP



### PRINCIPAL SOURCES OF GEOLOGIC MAPS USED

- |  |  |                            |
|--|--|----------------------------|
| M. S. Theses<br>University of Oklahoma | Graduate student<br>Special Mapping Problems<br>University of Oklahoma | Unpublished Map            |
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| Rogers, W.D., 1948                     | Hruby, A. J.   | Map of Love County         |
|  | Kimberlin, Z. A.   |                            |
|  | Noll, C. R., Jr.   |                            |
|  | Pendleton, W. M.   |                            |
|  | Pierce, C. D.  |                            |
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- Formation contact lines  
Dashed where inferred  
Dotted where concealed
- Fault  
Dashed where inferred  
Dotted where concealed  
U, Upthrown side  
D, Downthrown side
- Strike and dip of beds  
65°  
86°
- Overtured beds
- Anticline
- Syncline
- U.S. Highway
- Improved road