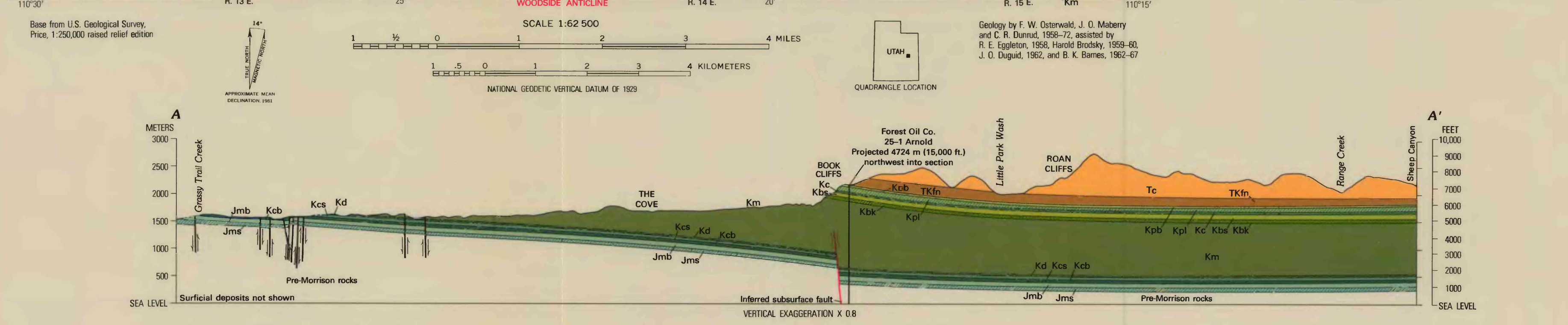


- LIST OF MAP UNITS**
- Hd** MINE WASTE DUMP (HOLOCENE)
  - Qnt** NATURAL TALUS (HOLOCENE AND UPPER? WISCONSIN)
  - Qa** ALLUVIUM UNDIFFERENTIATED (HOLOCENE TO LOWER PLEISTOCENE)
  - Qg** GRAVEL (UPPER? WISCONSIN)
  - Qc** COLLUVIUM (UPPER? WISCONSIN)
  - Qt** TERRACE DEPOSITS (PLEISTOCENE TO UPPER? WISCONSIN)
  - Qf** ALLUVIAL FAN DEPOSITS (UPPER WISCONSIN?)  
Undifferentiated
  - Qfy** Youngest
  - Qfm** Middle
  - Qfo** Oldest
  - Qs** SLOPE MANTLE, COLLUVIUM, AND LANDSLIDE DEBRIS (LOWER WISCONSIN?)
  - Qcg** CEMENTED CONGLOMERATE (LOWER WISCONSIN?)
  - PEDIMENT DEPOSITS (MIDDLE OR LOWER PLEISTOCENE AND LOWER PLEISTOCENE)**
  - Qp** Undifferentiated
  - Qpy** Youngest (Holocene and upper? Wisconsin)
  - Qpm** Middle (middle or lower Pleistocene)
  - Qpo** Oldest (lower Pleistocene)
  - Tgr** GREEN RIVER FORMATION (EOCENE)
  - Tc** COLTON FORMATION (EOCENE)
  - TKfn** FLAGSTAFF AND NORTH HORN FORMATIONS UNDIFFERENTIATED (EOCENE TO UPPER CRETACEOUS)
  - PRICE RIVER FORMATION (UPPER CRETACEOUS)**
  - Kpb** Bluecastle Sandstone Member
  - Kpl** Mudstone member
  - Kc** CASTLEGATE SANDSTONE (UPPER CRETACEOUS)
  - Kbsc** CASTLEGATE SANDSTONE AND SUNNYSIDE MEMBER, UNDIFFERENTIATED
  - BLACKHAWK FORMATION (UPPER CRETACEOUS)**
  - Kbs** Sunnyside Member
  - Kbk** Kenilworth Member
  - Kba** Aberdeen Member
  - MANCOS SHALE (UPPER CRETACEOUS)**
  - Km** Main body
  - Kmus** Upper sandstone member
  - Kmf** Ferron Sandstone Member
  - Kmls** Lower sandstone member
  - Kd** DAKOTA SANDSTONE (UPPER AND LOWER? CRETACEOUS)
  - CEDAR MOUNTAIN FORMATION (LOWER CRETACEOUS)**
  - Kcs** Shale member
  - Kcb** Buckhorn Conglomerate Member
  - MORRISON FORMATION (UPPER JURASSIC)**
  - Jmb** Brushy Basin Shale Member
  - Jms** Salt Wash Member
  - Js** SUMMERVILLE FORMATION (MIDDLE JURASSIC)
  - Jc** CURTIS FORMATION (MIDDLE JURASSIC)
  - Je** ENTRADA SANDSTONE (MIDDLE JURASSIC)
  - Jca** CARMEL FORMATION (MIDDLE JURASSIC)
- CONTACT**
- FAULT**—Bar and ball on downthrown side, dashed where inferred, dotted where concealed
- SUBSURFACE FAULT**—Found by seismic methods. U, up-thrown side; D, downthrown side
- SYNCLINE AXIS**—Showing dip of beds
- ANTICLINE AXIS**—Showing dip of beds
- STRIKE AND DIRECTION OF DIP OF BEDS**



**GENERALIZED GEOLOGIC MAP AND CROSS SECTION OF THE SUNNYSIDE COAL MINING DISTRICT, EMERY AND CARBON COUNTIES, UTAH**