GEOLOGIC MAP OF THE KERN RIVER URANIUM AREA, KERN COUNTY, CALIFORNIA

Scale 1:25,000

Contour interval 80 feet
Datum is mean sea level

Geologic by E.W. Marchetti, Jr. and H.G. Stephens, 1955

Explanation:

Quartz vein or alterite dike (dashed where approximately located)

Pegmatite, showing dike (dashed where approximately located)

Vertical pegmatite (dashed where approximately located)

Laughlin granite (dashed where approximately located)

Laughlin granite, veinite, quartz porphyry, and quartz diorite

Diabase and related rocks

Garnetite series (dashed where outlined and impure quartzite, amphibolite, and metavolcanics)

Contact, showing dike (dashed where approximately located)

Fault, showing dike (dashed where approximately located)

Vertical Fault

Fault, showing veining and plunges of slickenlines

[Plotted from aerial photographs]

Plunge of minor anticlines

Strike and dip of beds

Strike of vertical beds

Strike and dip of plane structure in Laughlin granite

Strike of vertical plane structure in Laughlin granite

Strike and dip of foliation in Garnetite series

Strike of vertical foliation in Garnetite series

Strike and dip of joints

Strike of vertical joints

Small mine or prospect

U - uranium, fo - feldspar (prospect without letter spar are probably mildly metamorphosed)

Radioactivity measured by γ-ray

[Tones values represent mean surface readings obtained during a general reconnaissance for radioactivity]

Location of Laughlin granite specimens whose thin sections are represented in figures 1, 2, 3, and 4

Location of structures for which microcrystalline petrographic analysis and chemical analysis were made (see tables 1 and 2)

Location of specimens whose data sections are represented in figure 5, and which also have been analyzed microscopically and spectrophotographically (see tables 1 and 2)