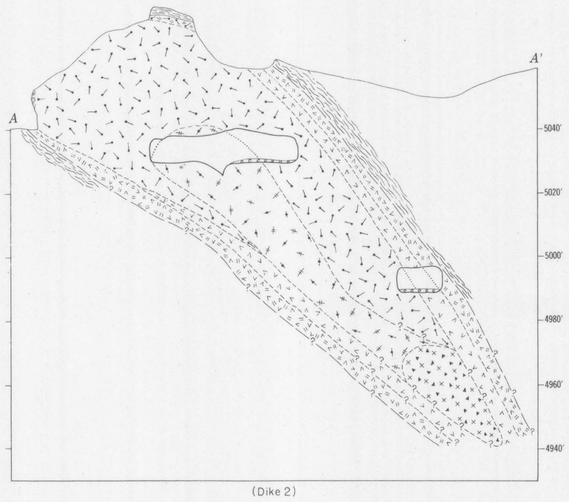

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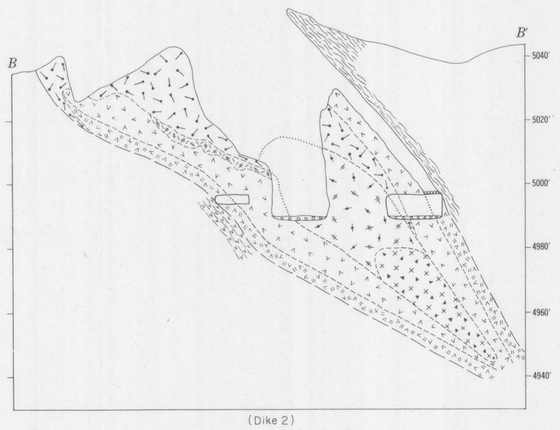

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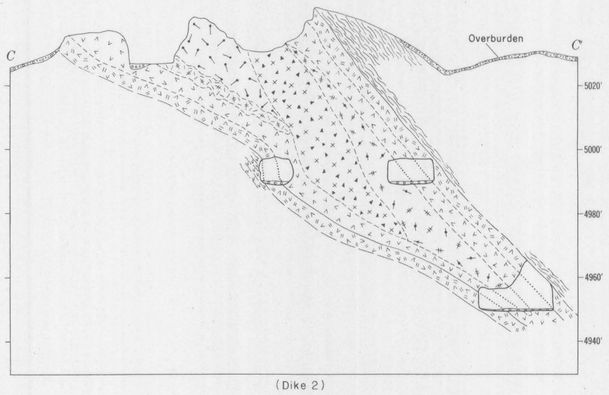

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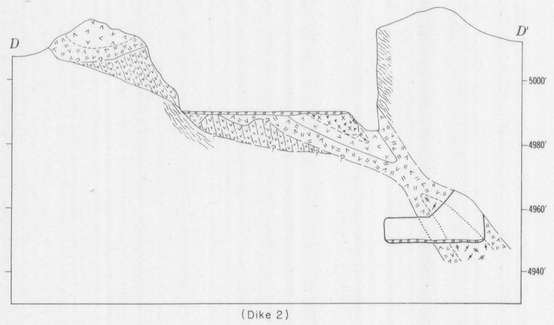

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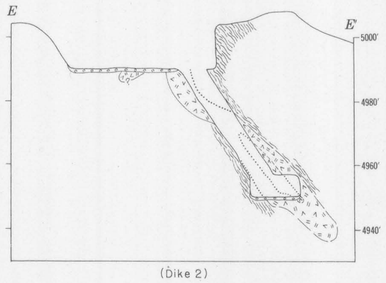

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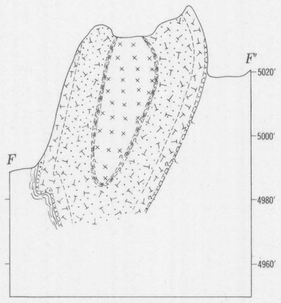

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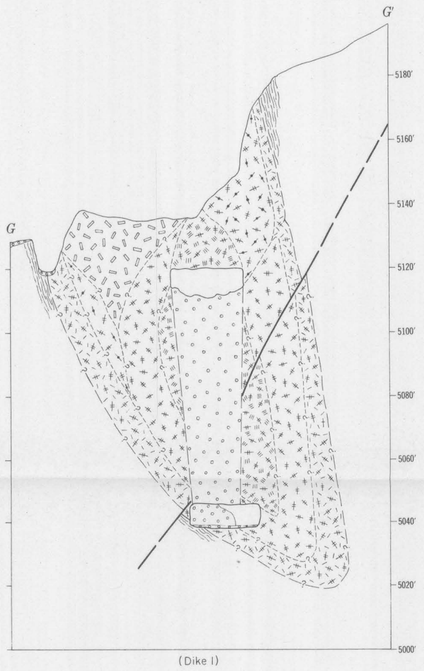

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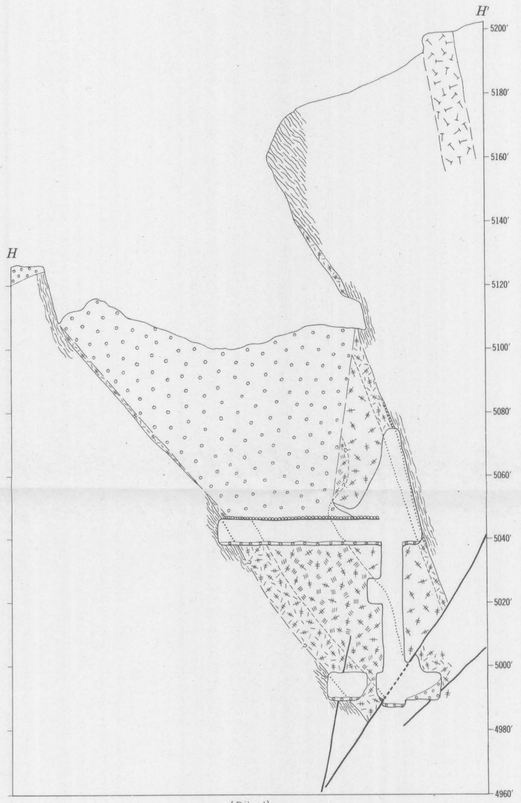

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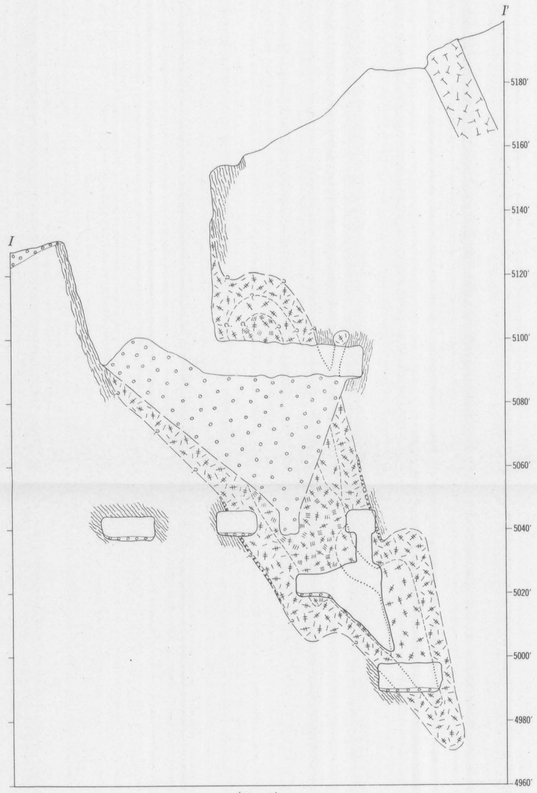

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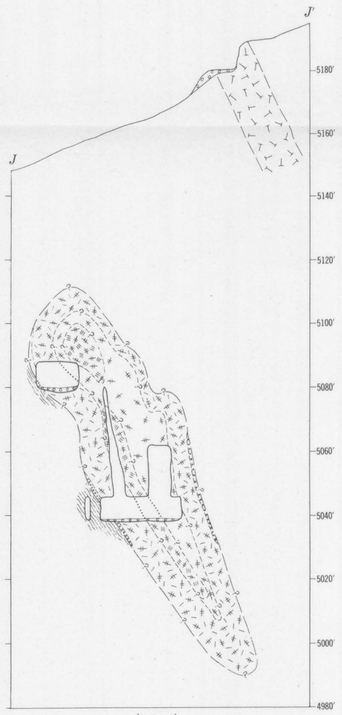

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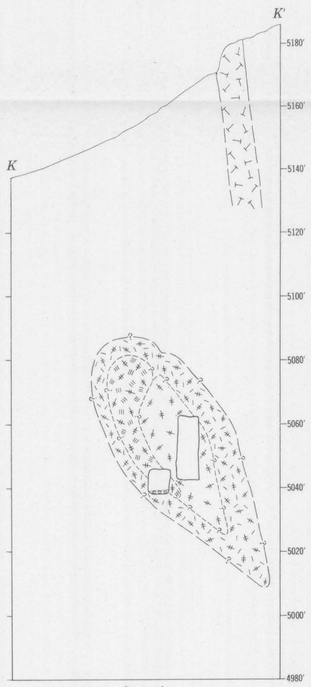

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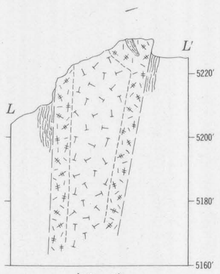
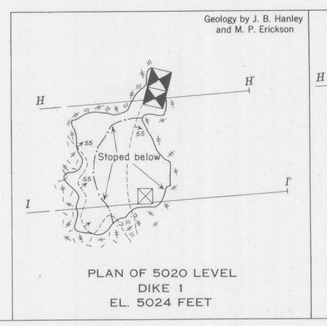
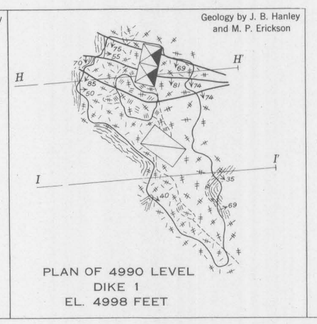


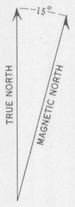
(Dike 3)

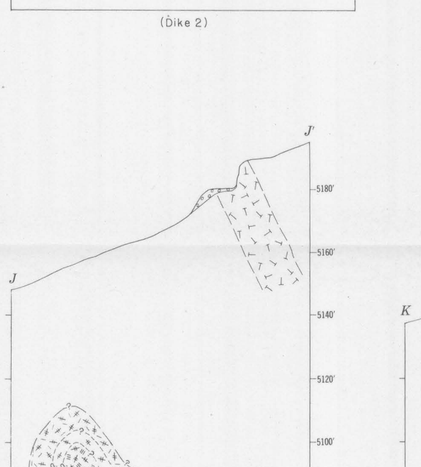


PLAN OF 5020 LEVEL
DIKE 1
EL. 5024 FEET



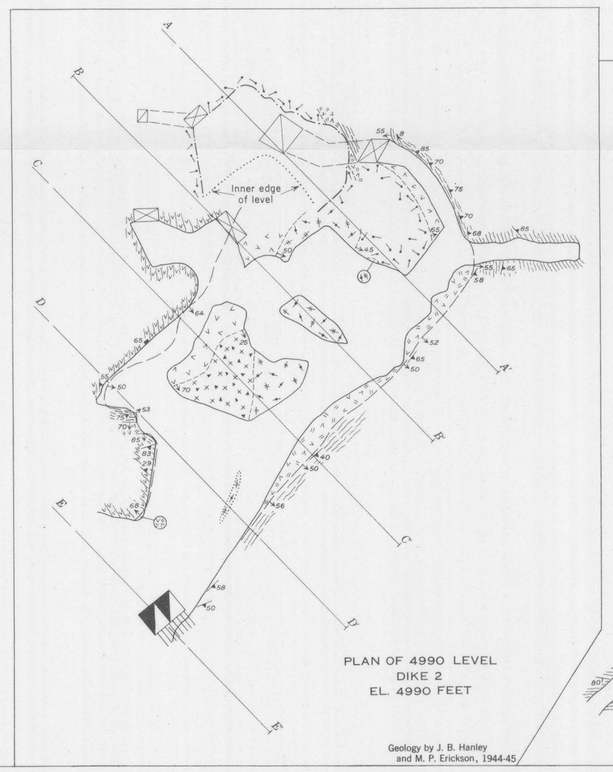
PLAN OF 4990 LEVEL
DIKE 1
EL. 4998 FEET





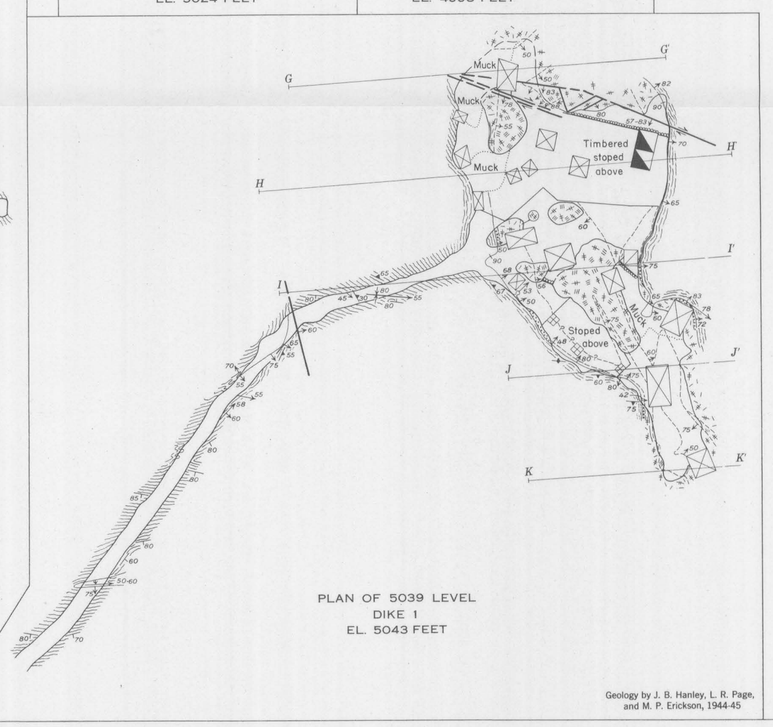
PLAN OF 4950 LEVEL
DIKE 2
EL. 4954 FEET

Geology by J. B. Hanley and M. P. Erickson, 1944-45



PLAN OF 4990 LEVEL
DIKE 2
EL. 4990 FEET

Geology by J. B. Hanley
and M. P. Erickson, 1944-45



PLAN OF 5039 LEVEL
DIKE 1
EL. 5043 FEET

Geology by J. B. Hanley, L. R. Page,
and M. P. Erickson, 1944-45

EXPLANATION

ZONES — DIKE 1

- Backfill
- Quartz-cleavelandite-lepidolite pegmatite
- Quartz-cleavelandite pegmatite
- Quartz-cleavelandite-amblygonite pegmatite
- Perthite pegmatite
- Cleavelandite-quartz-muscovite pegmatite
- Quartz-cleavelandite-muscovite pegmatite

ZONES — DIKE 2

- Quartz spodumene pegmatite
- Quartz-amblygonite-cleavelandite perthite pegmatite
- Perthite-quartz pegmatite
- Muscovite-cleavelandite-quartz pegmatite
- Quartz-albite pegmatite
- Quartz-perthite-muscovite pegmatite
- Quartz-albite-muscovite pegmatite

ZONES — DIKE 3

- Quartz-perthite-cleavelandite pegmatite
- Quartz-cleavelandite-muscovite pegmatite

ZONES — DIKE 4

- Quartz pegmatite
- Cleavelandite-quartz-muscovite pegmatite
- Quartz-perthite-muscovite-plagioclase pegmatite (coarse grained)
- Quartz-perthite-muscovite-plagioclase pegmatite (medium grained)
- Quartz-perthite-muscovite-plagioclase pegmatite (fine grained)
- Fine-grained feldspar granulite
- Biotite-garnet-staurolite schist
- Contact, showing dip
- Approximate contact
- Vertical contact
- Inferred contact
- Projected contact (in sections)
- Contact between pegmatite units
- Inferred contact between pegmatite units
- Fault showing dip, dashed where approximately located
- Concealed fault
- Axis of minor syncline
- Strike and dip of beds
- Strike and dip of foliation
- Strike of vertical foliation
- Plunge of linear element
- Strike and dip of joints
- Shaft
- Inclined shaft
- Shaft going above and below level
- Bottom of shaft
- Foot of raise or winze
- Head of raise or winze
- Wooden chute
- Timbered

Geology by J. B. Hanley

GEOLOGIC PLANS AND SECTIONS OF THE UNDERGROUD WORKINGS, BOB INGERSOLL MINE, KEYSTONE, PENNINGTON COUNTY, SOUTH DAKOTA

20 0 100 Feet

210124 O - 53 (In pocket)