GENERALIZED COLUMNAR SECTION
TOMBSTONE, ARIZONA

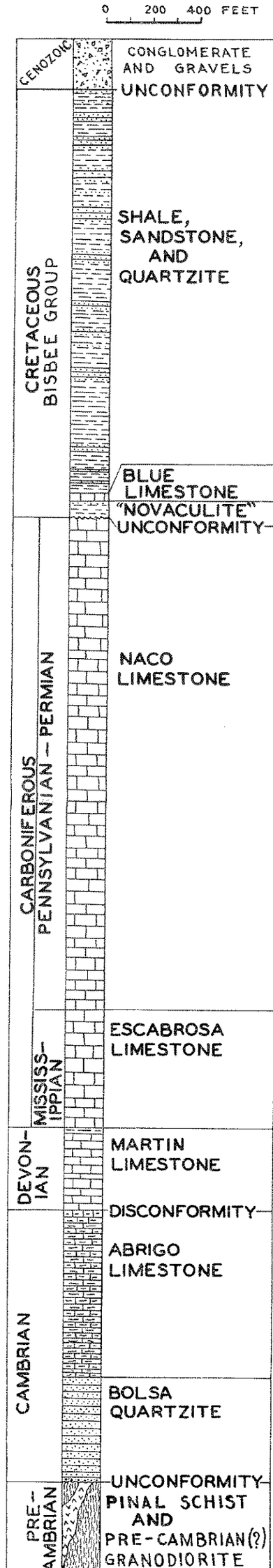


Plate II

Plate XXV.—Plan of workings in State of Maine Mine, showing areas of stoping. Small dots indicate stopes in footwall fissure, large dots stopes in hanging wall fissures.

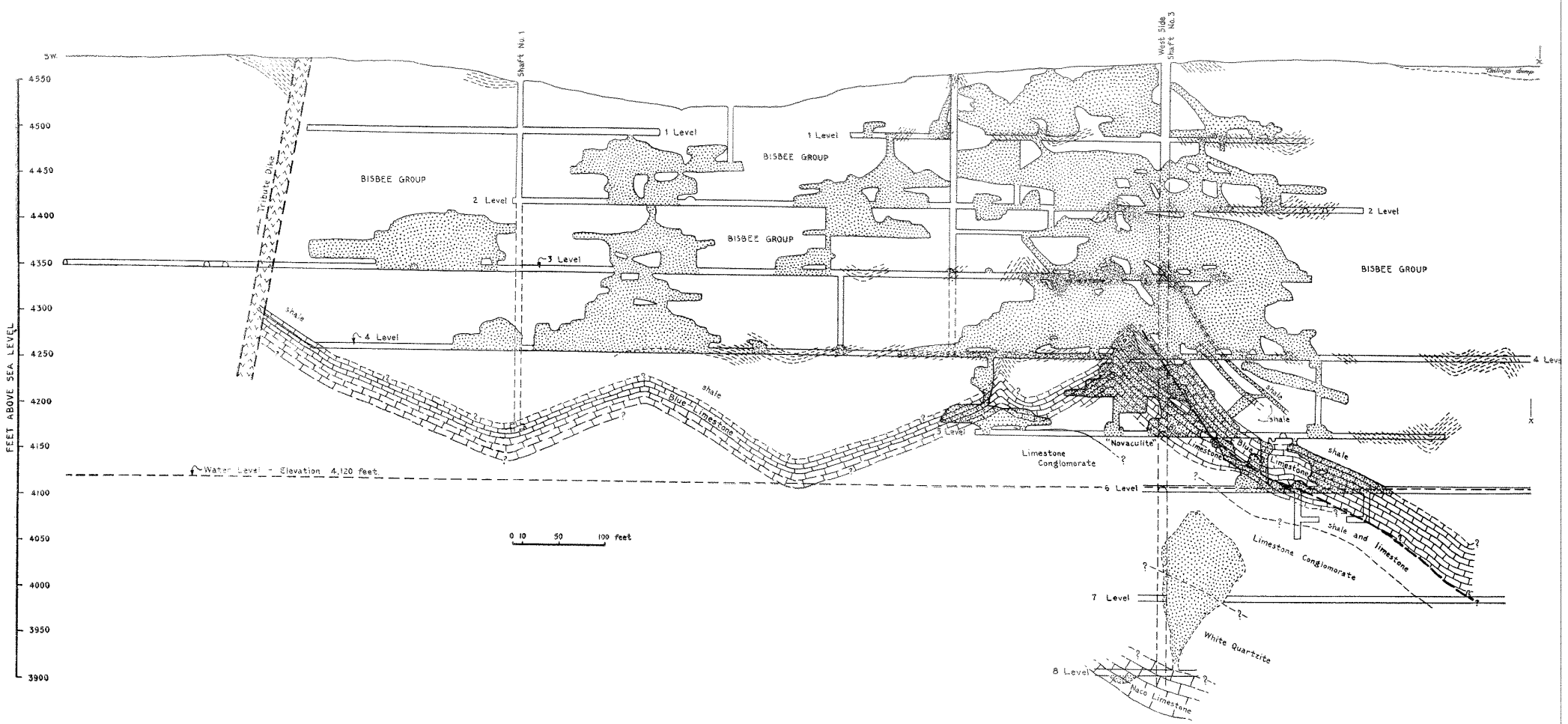


Plate XXIV, B.—Section along West Side fissure, looking northwest (southwest half; joins Plate XXIV, *A* at line X-X).

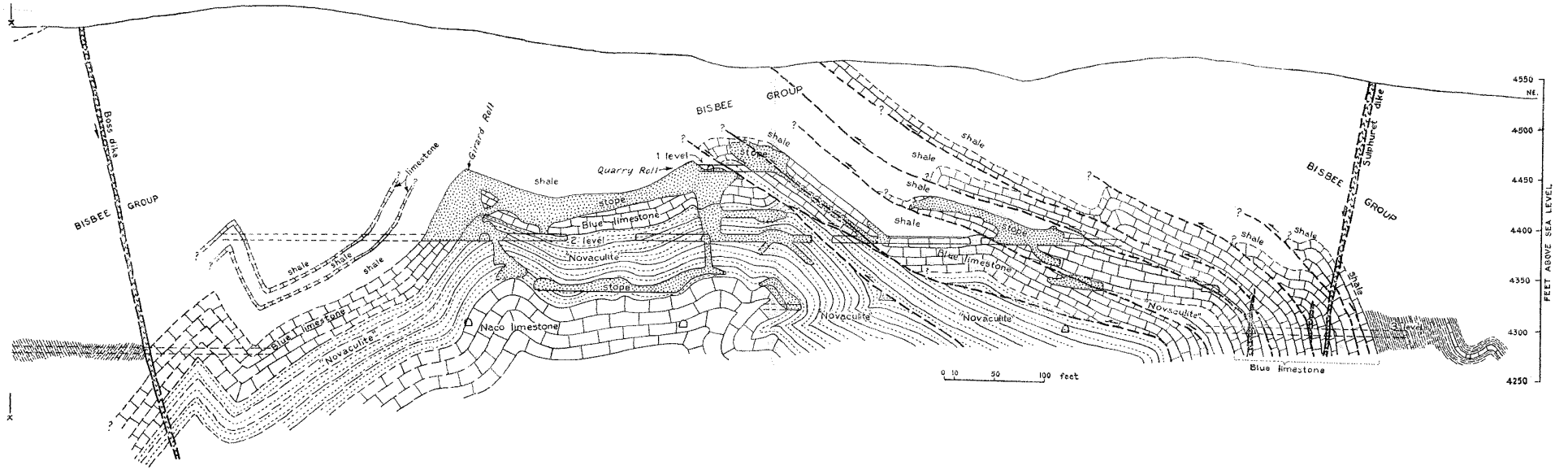


Plate XXIV, A.—Section along West Side fissure, looking northwest (northeast half; joins Plate XXIV, *B* at line X-X).

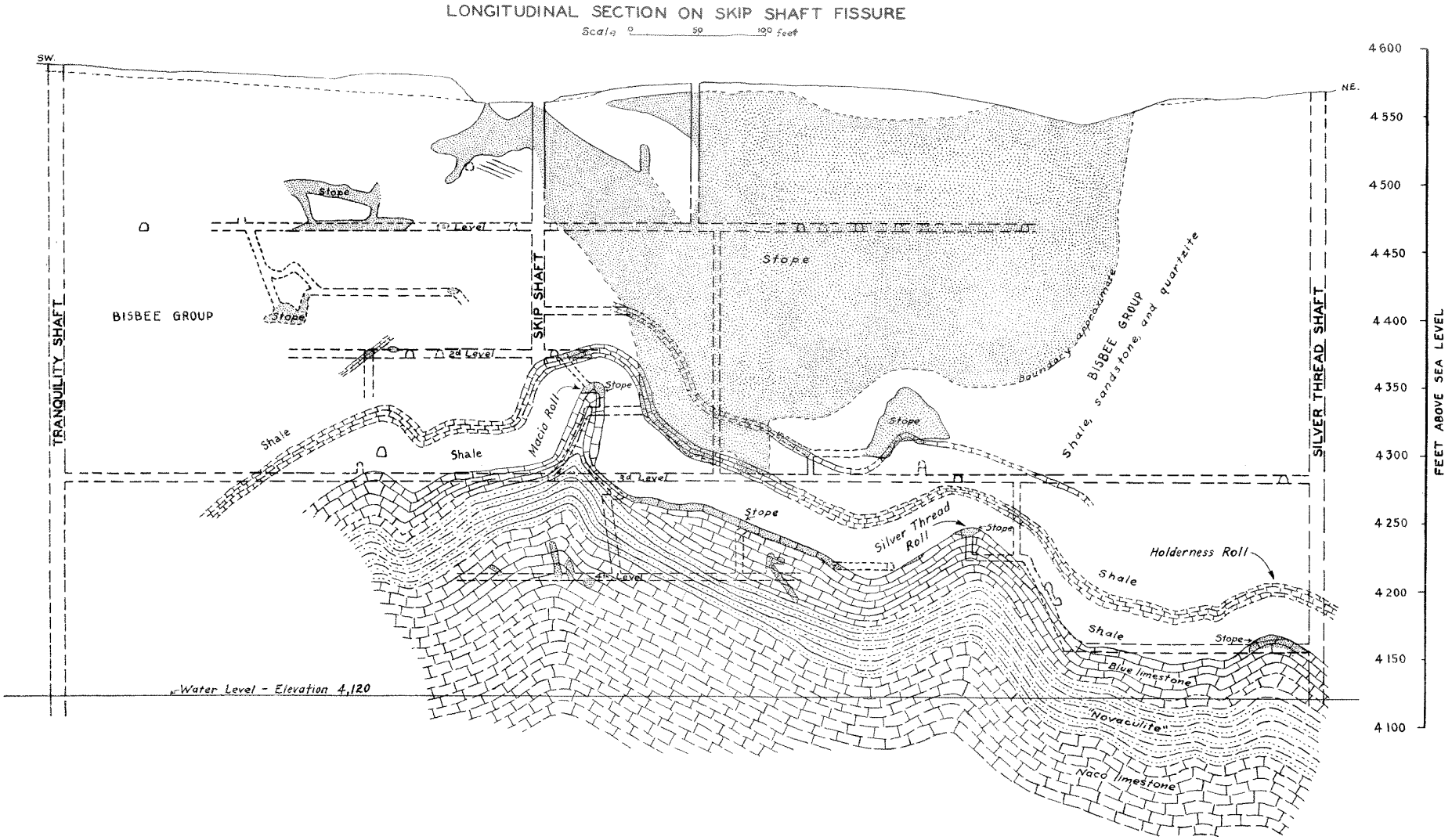


Plate XXIII.—Longitudinal section on Skip shaft fissure, looking northwest.

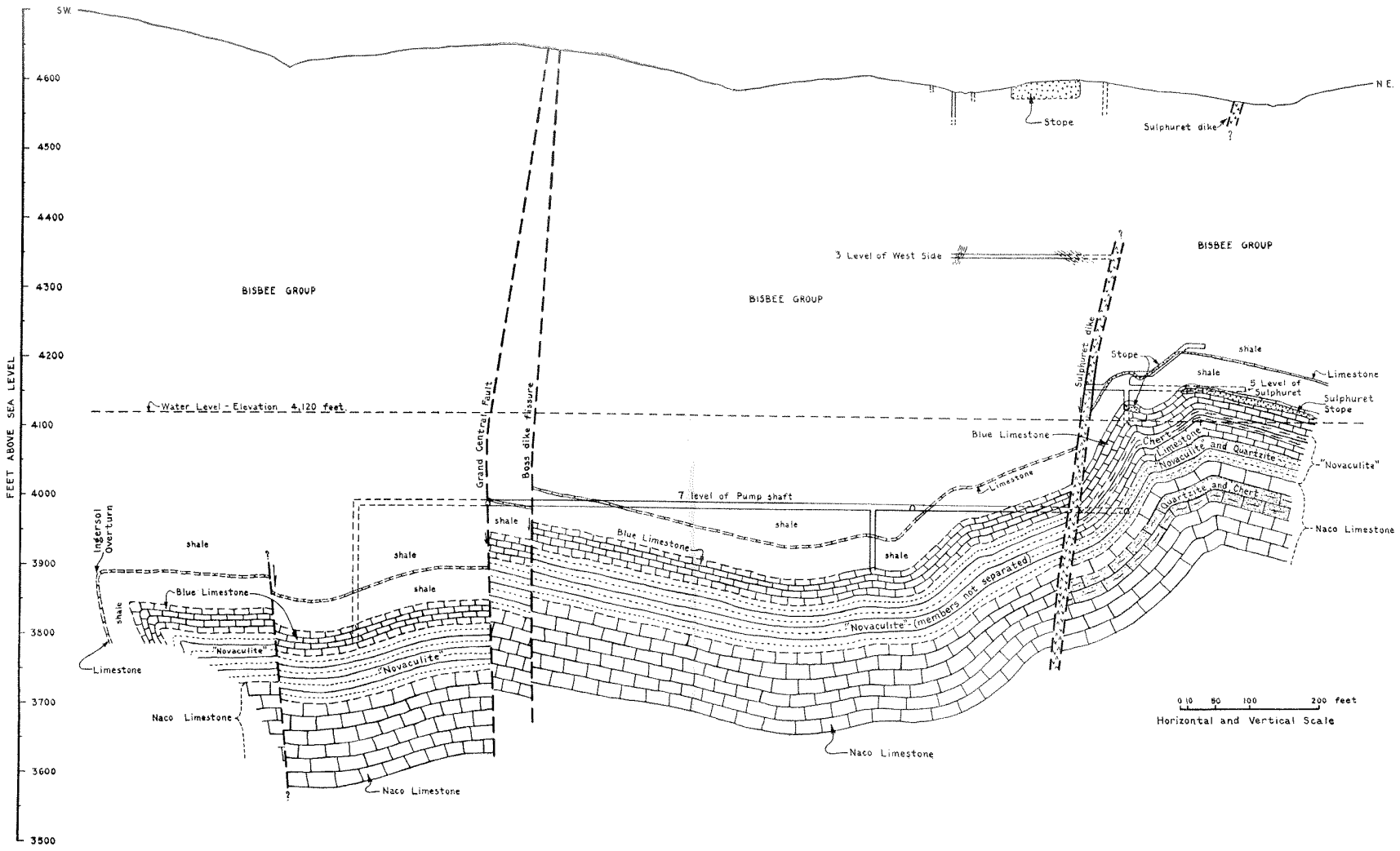


Plate XXII.—Section along Arizona Queen fissure, looking northwest.

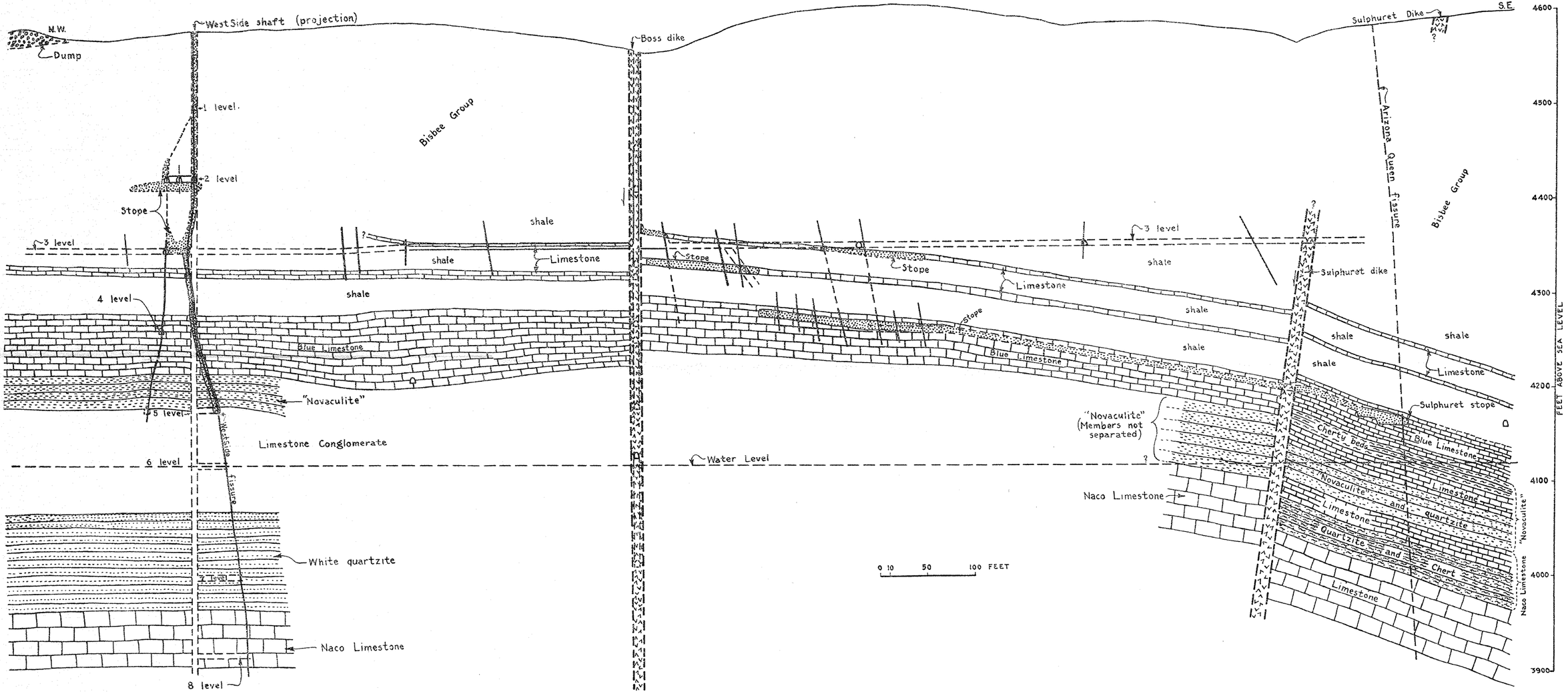


Plate XXI.—Longitudinal section near axis of West Side roll, looking northeast.

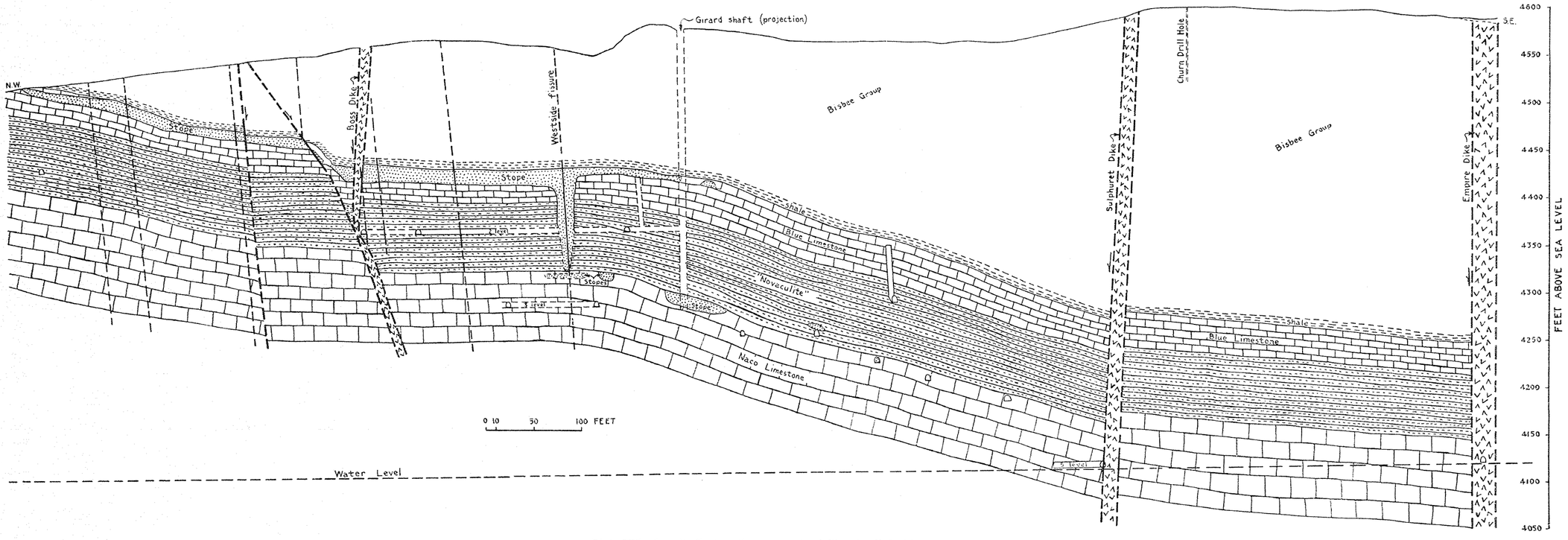


Plate XX.—Longitudinal section near axis of Girard roll, looking northeast.

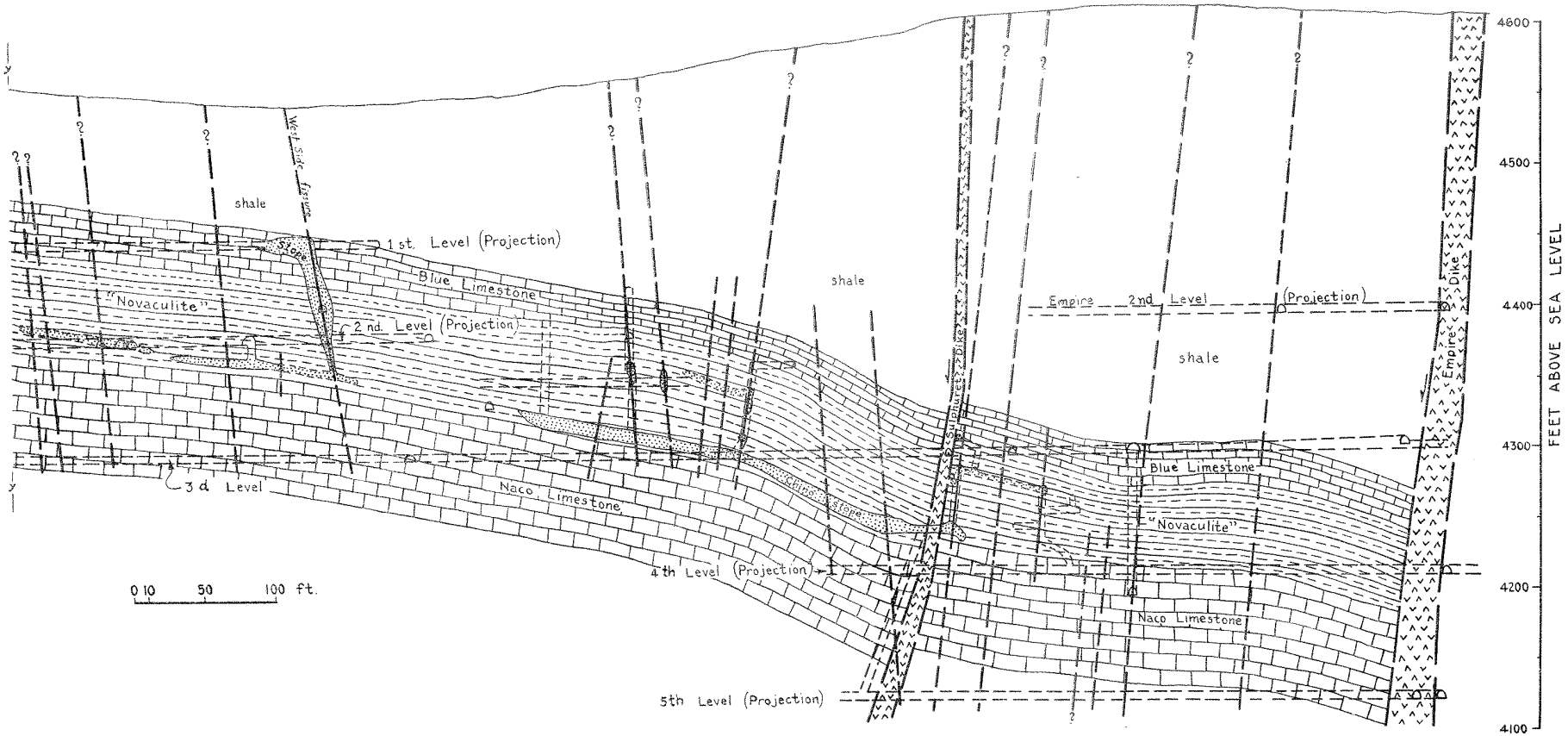


Plate XIX, B.—Longitudinal section near axis of Quarry roll, looking northeast (southeastern half; joins Plate XIX, *A* at y-y).

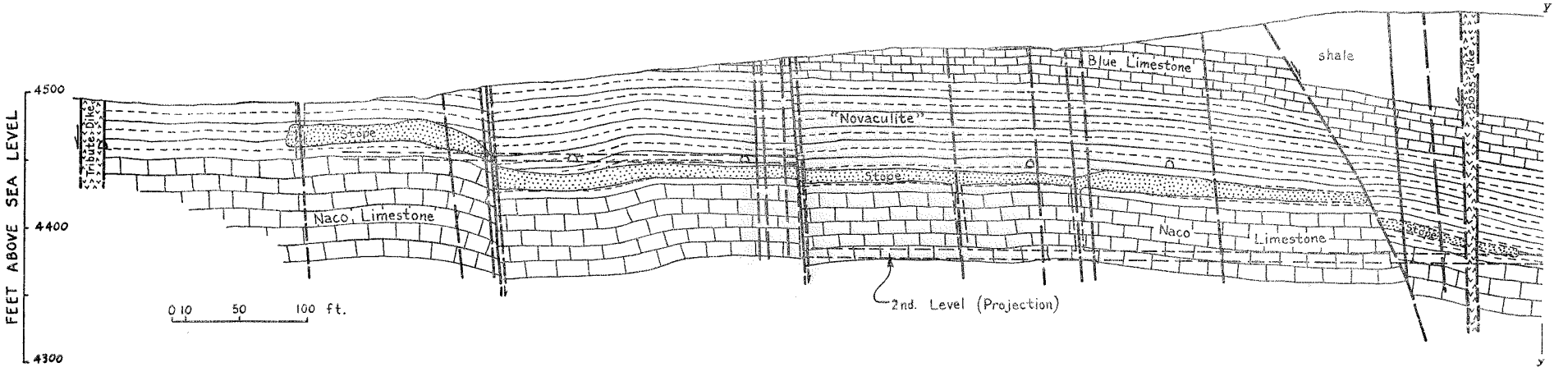


Plate XIX, A.—Longitudinal section near axis of Quarry roll, looking northeast (northwestern half; joins Plate XIX, *B* at y-y).

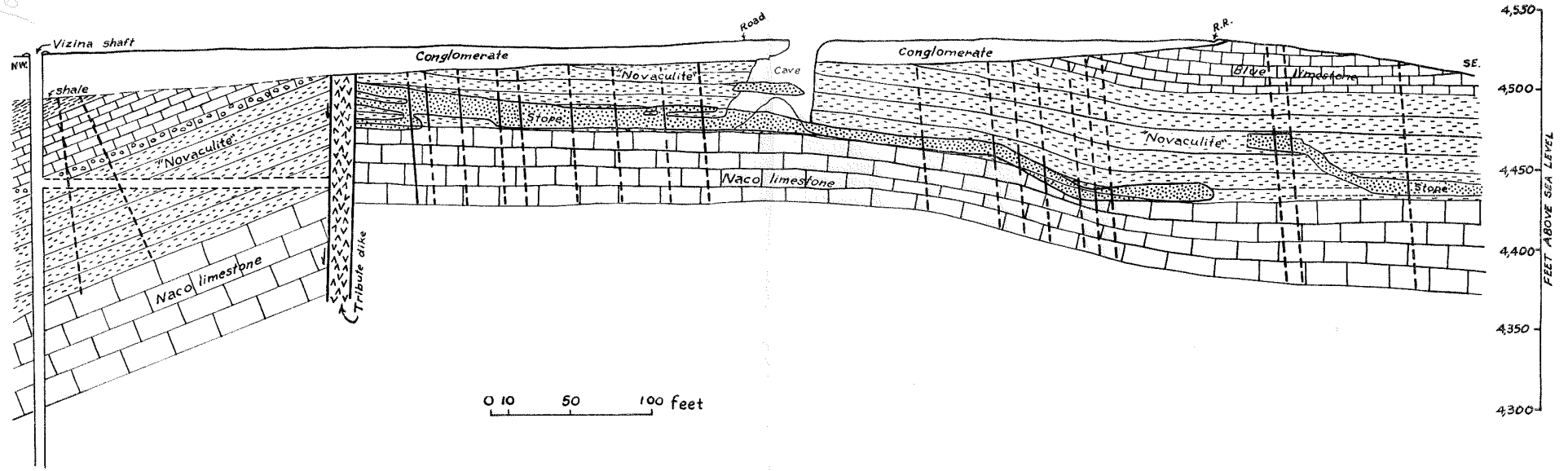


Plate XVIII.—Longitudinal section near axis of northeast Vizina roll, looking northeast.

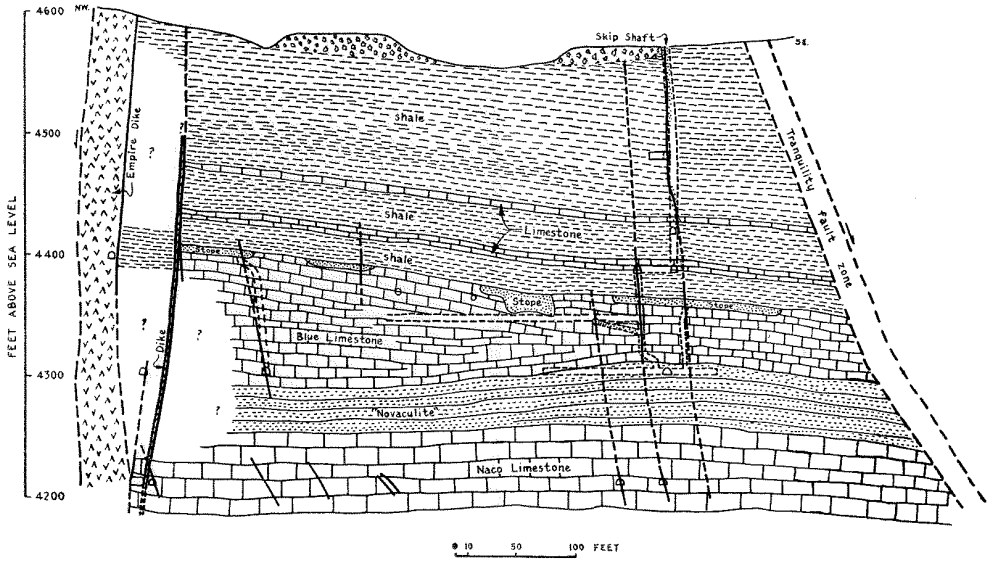


Plate XVII.—Longitudinal section near axis of Macia roll, looking northeast.

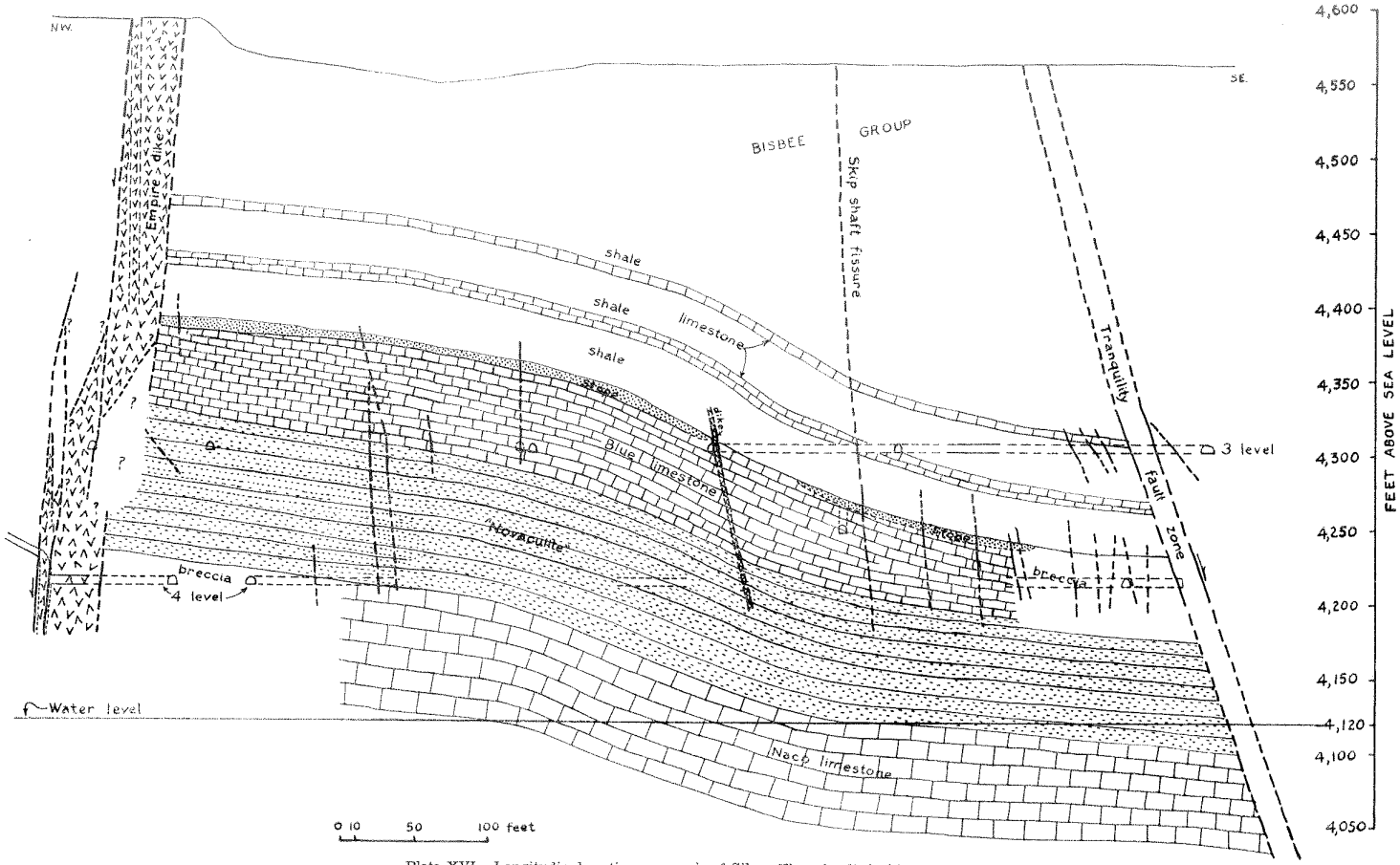


Plate XVI.—Longitudinal section near axis of Silver Thread roll, looking northeast.

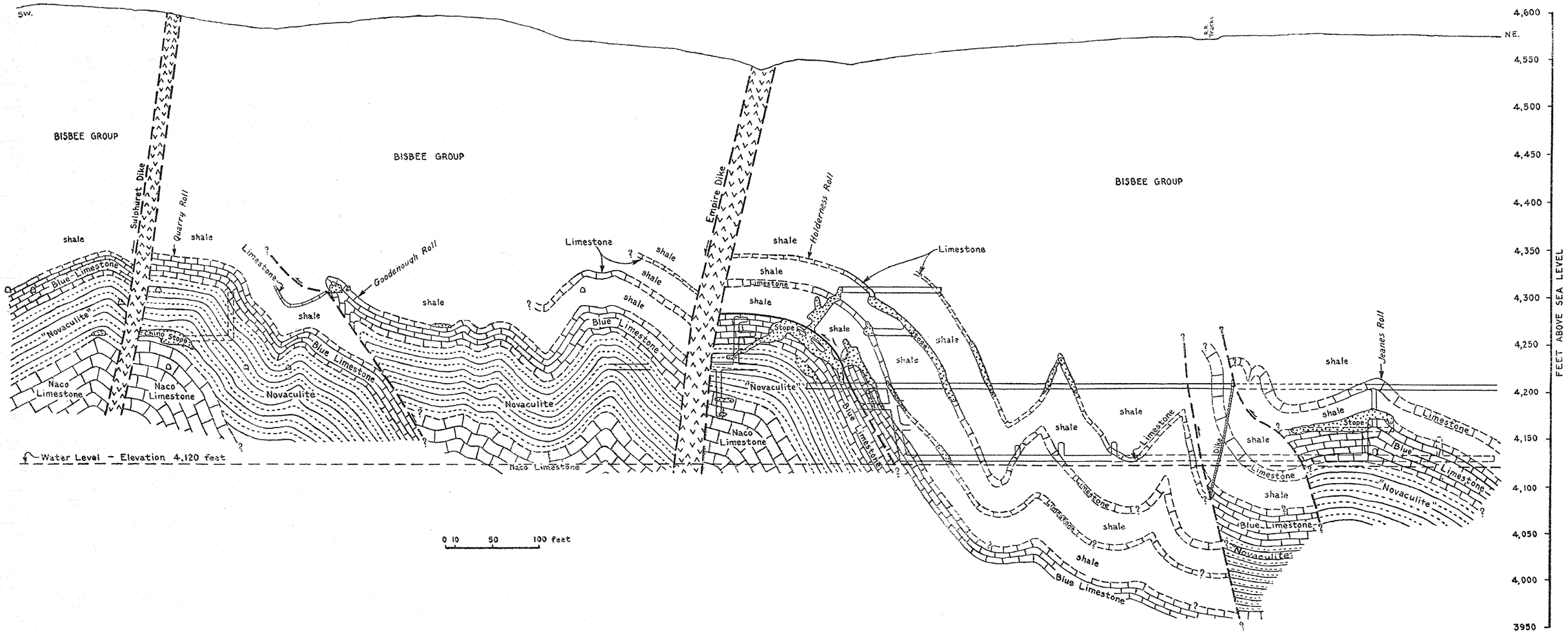


Plate XV.—Section along "409" fissure, looking northwest.

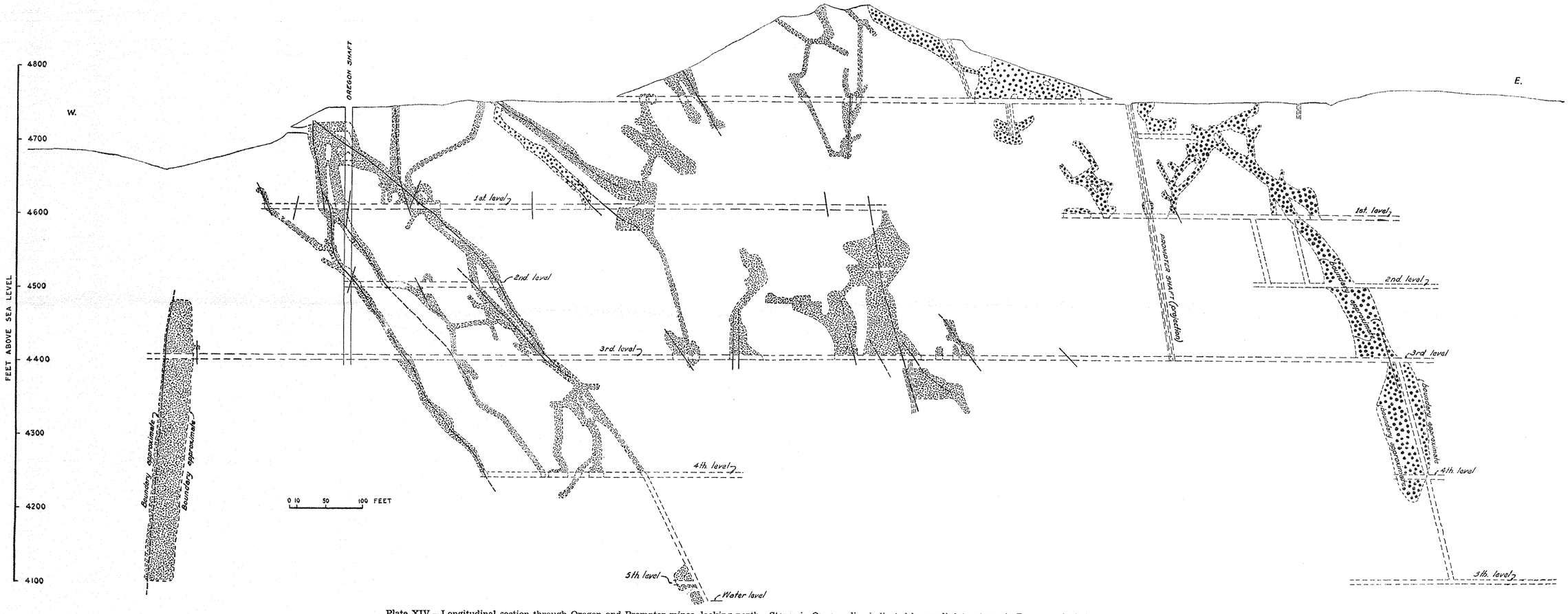


Plate XIV.—Longitudinal section through Oregon and Prompter mines, looking north. Stopes in Oregon slips indicated by small dots; stopes in Prompter fault indicated by large dots.

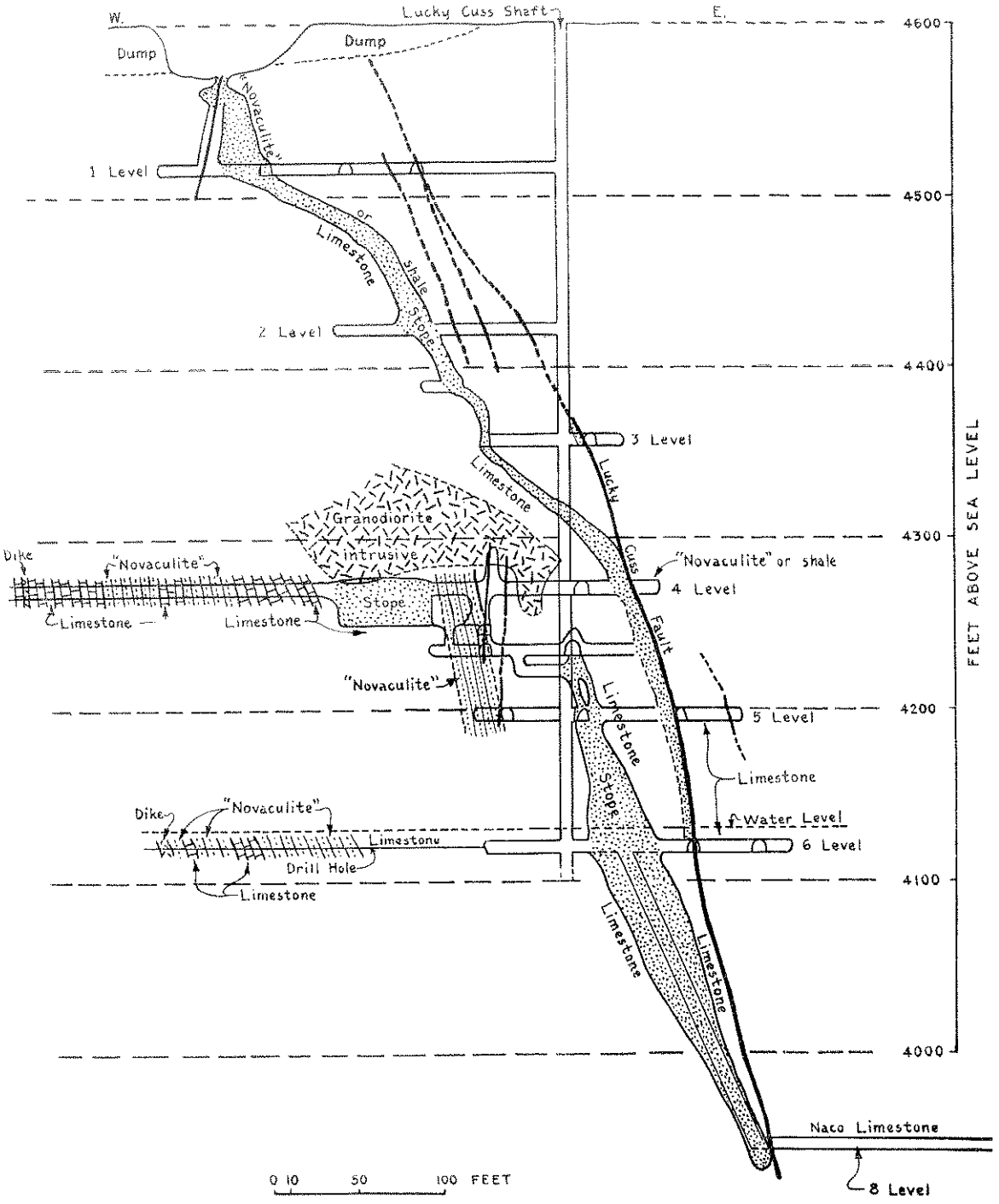


Plate XIII.—Cross section through Lucky Cuss workings at main shaft, looking north. (After F. L. Ransome and C. L. Poindexter.)

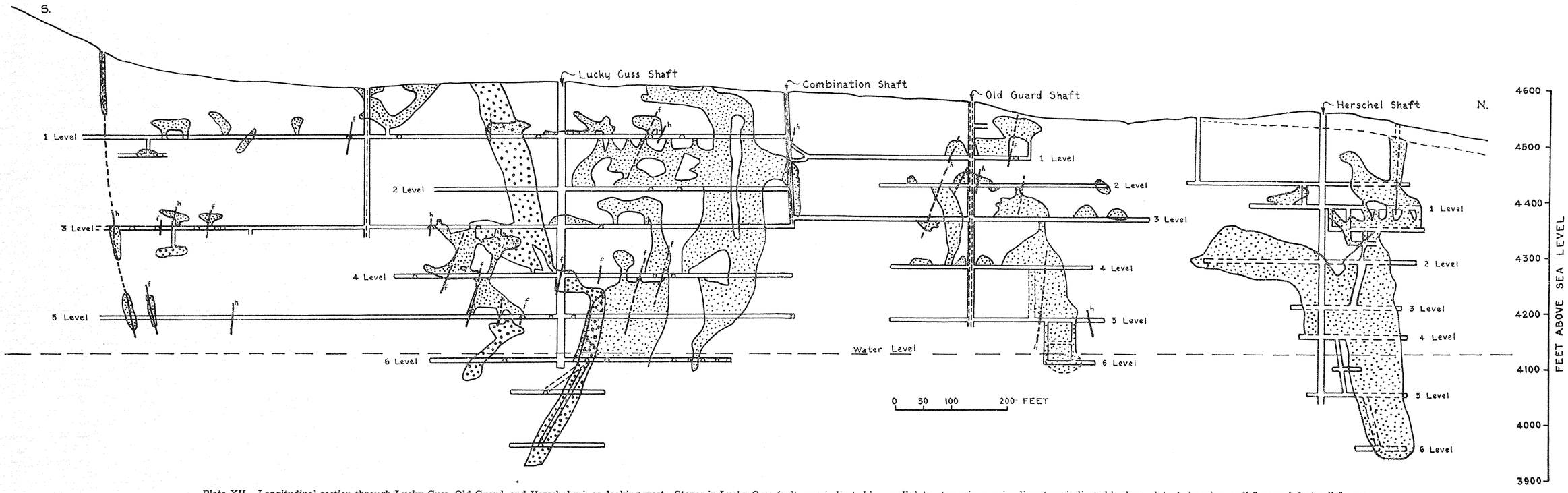


Plate XII.—Longitudinal section through Lucky Cuss, Old Guard, and Herschel mines, looking west. Stopes in Lucky Cuss fault zone indicated by small dots; stopes in massive limestone indicated by large dots; *h*, hanging-wall fissure; *f*, footwall fissure.

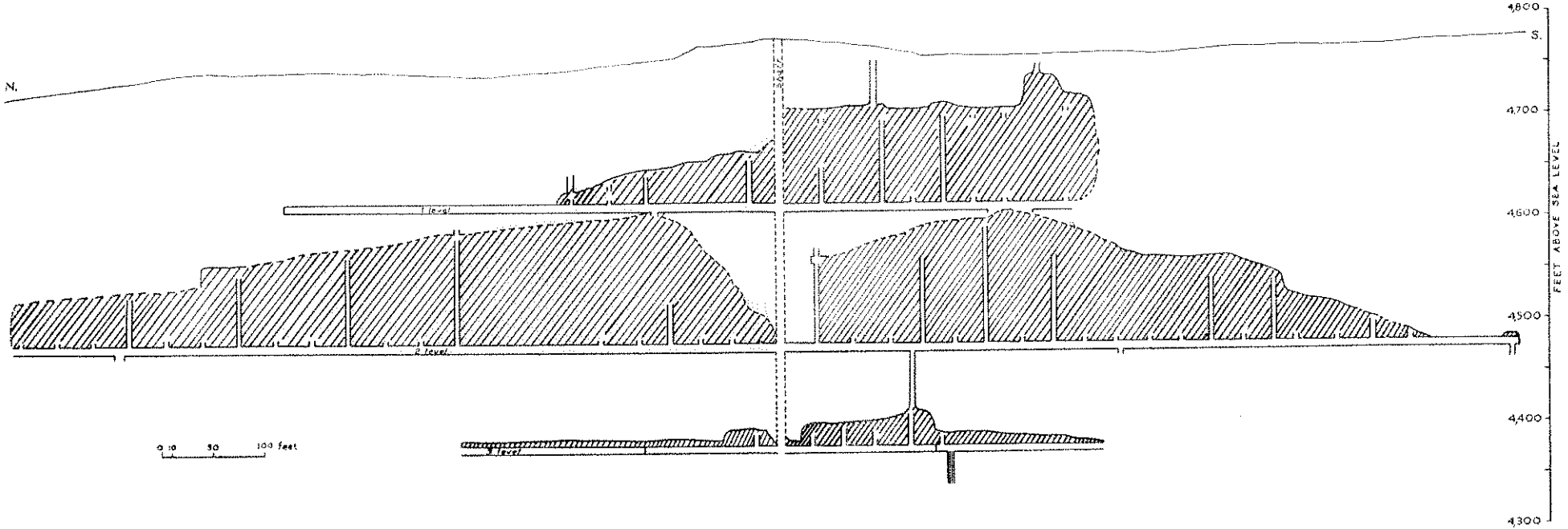


Plate XI.—Longitudinal section of Comet Mine, looking east. Stopes indicated by shading.

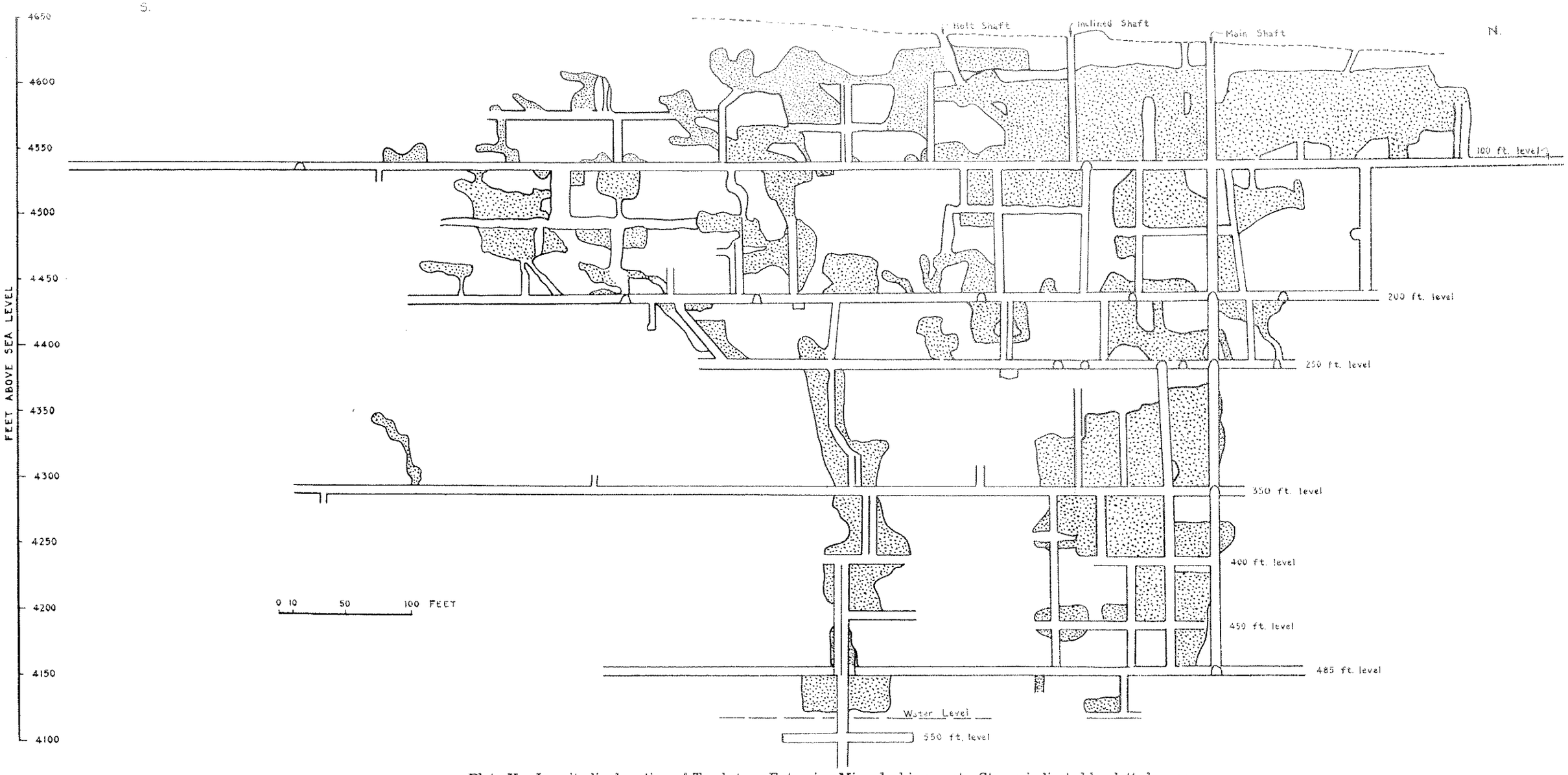


Plate X.—Longitudinal section of Tombstone Extension Mine, looking west. Stopes indicated by dotted areas.

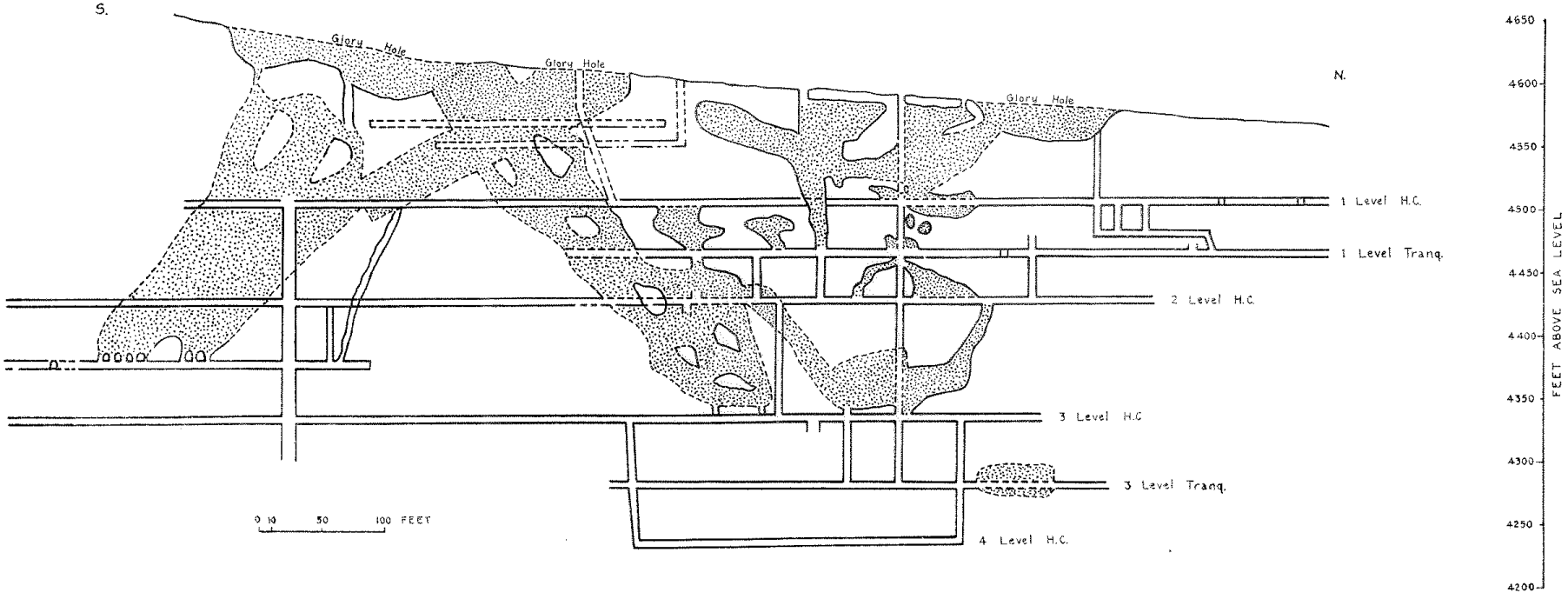


Plate IX.—Longitudinal section of workings in Head Center area, looking west. Stopes indicated by doted areas.

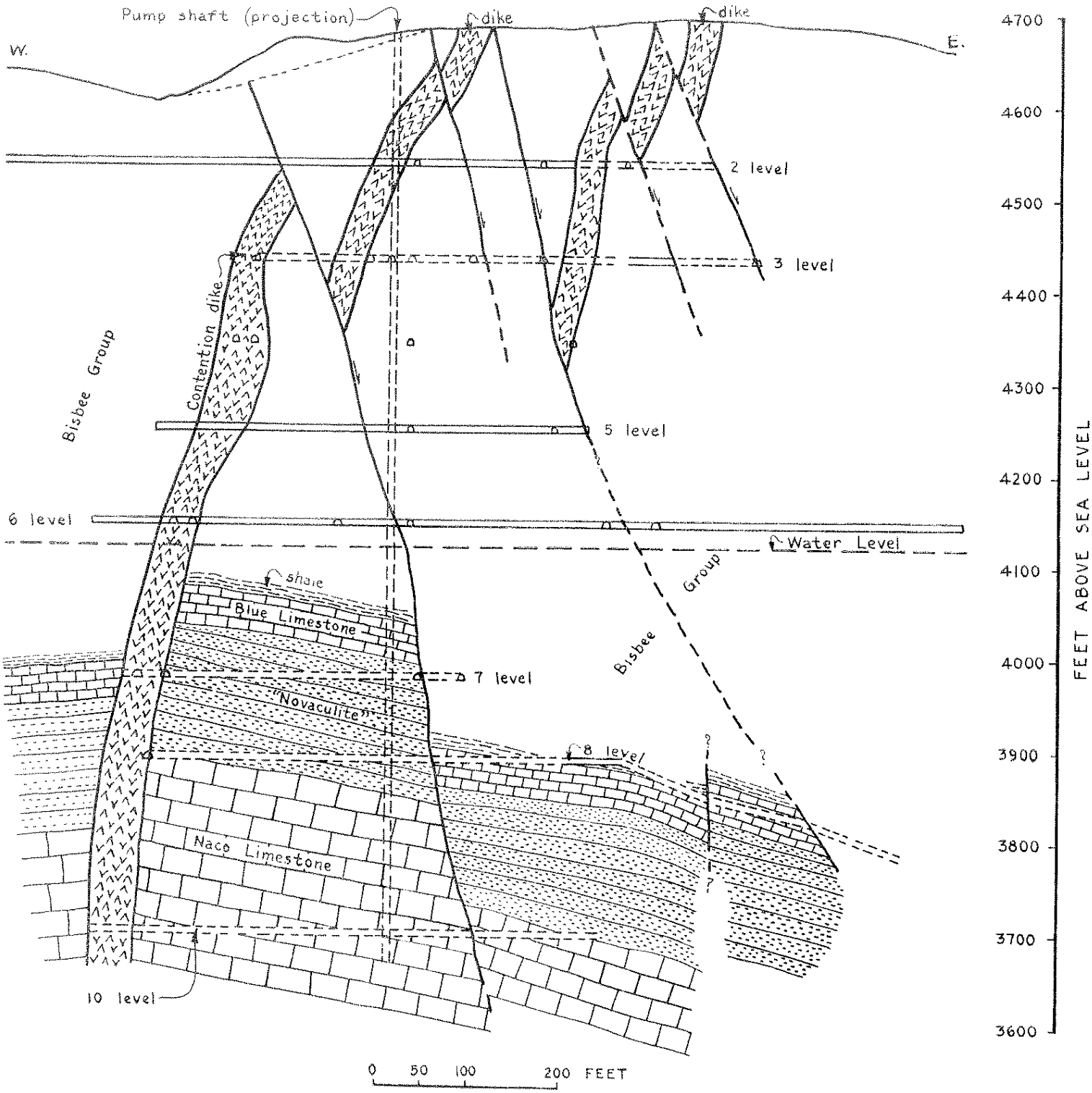


Plate VIII.—Generalized cross section through Contention dike at Pump shaft, looking north. (Modified from F. L. Ransome.)

Plate VII—Map of principal claims and workings in central part of Tombstone district (Place transparent paper over Plate IV). Mine levels are indicated by numerals and sloped areas by dots.

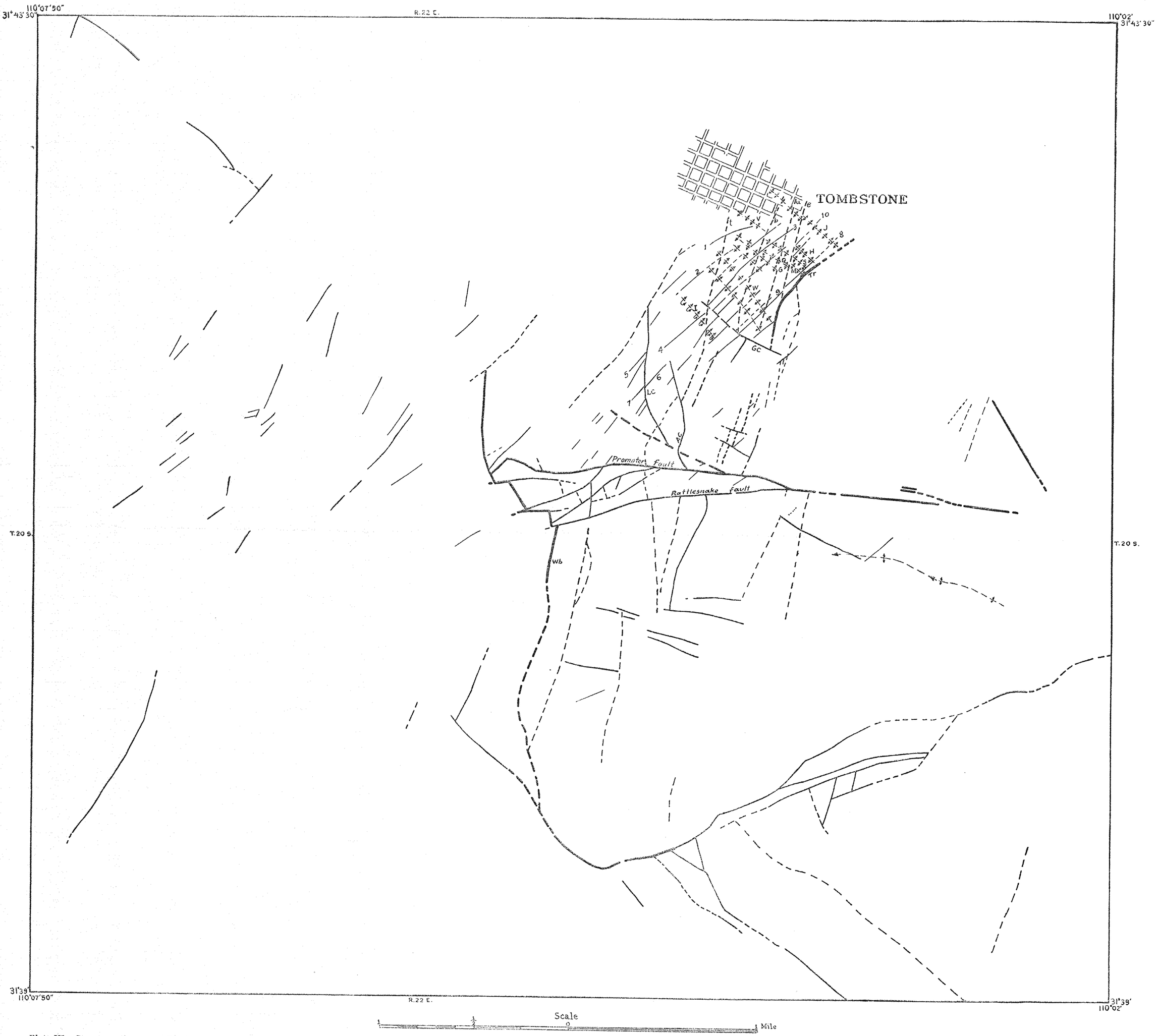
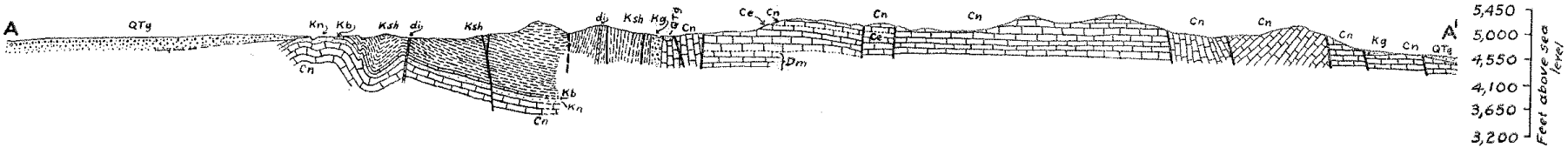
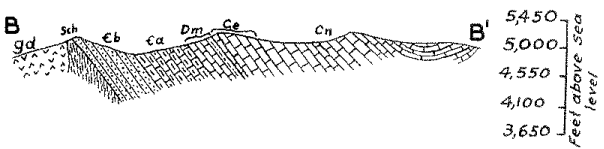


Plate VI.—Structure diagram of Tombstone district (place transparent paper over Plate III). *I*, Ingersol overturn; *W*, West Side roll; *G*, Girard roll; *Q*, Quarry roll; *V*, Vizina roll; *S*, Silver Thread roll; *M*, Macia roll; *H*, Holderness roll; *J*, Jeanes roll; *t*, Tribute dike fissure; *b*, Boss dike fissure; *u*, Sulphuret dike fissure; *e*, Empire dike fissure; *Tr*, Tranquility fault; *GC*, Grand Central fault; *AC*, Anchor or Coyote fault; *LC*, Lucky Cuss fault; *Wb*, west boundary fault; *1*, Defence fissure; *2*, Intervener fissure; *3*, West Side fissure; *4*, Blue Monday fissure; *5*, Rat shaft fissure; *6*, East Side fissure; *7*, Wedge fissure; *8*, Skip shaft fissure; *9*, Arizona Queen fissure; *10*, "409" fissure.

SECTION A-A'



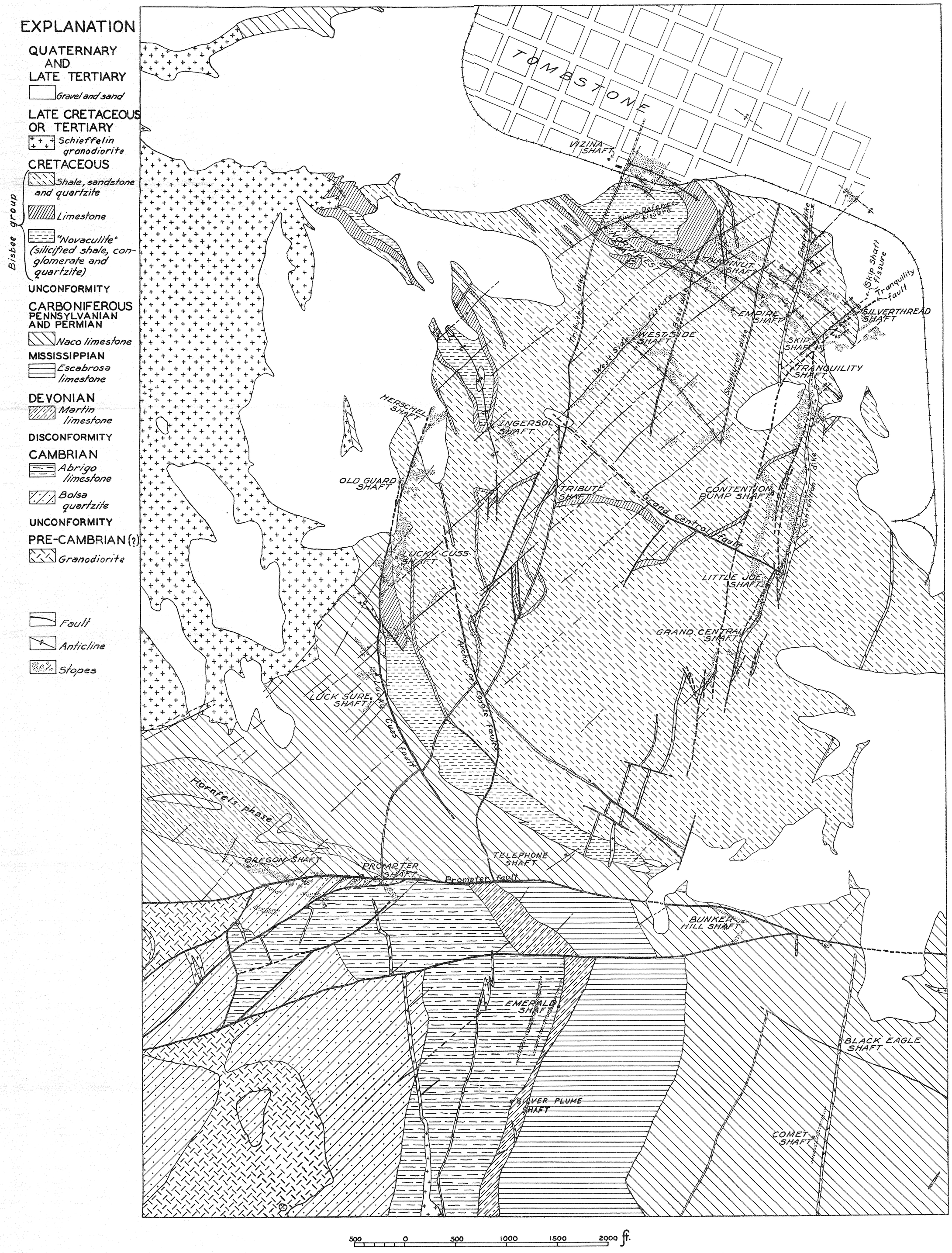
SECTION B-B'



0 1000 2000 feet

QTg – valley fill gravels
di – dike
Ksh – shale, sandstone, and quartzite
Kb – Blue limestone
Kn – "Novaculite"
Kg – conglomerate
Cn – Naco limestone
Ce – Escabrosa limestone
Dm – Martin limestone
€a – Abrigo limestone
€b – Bolsa quartzite
sch – schist
gd – granodiorite

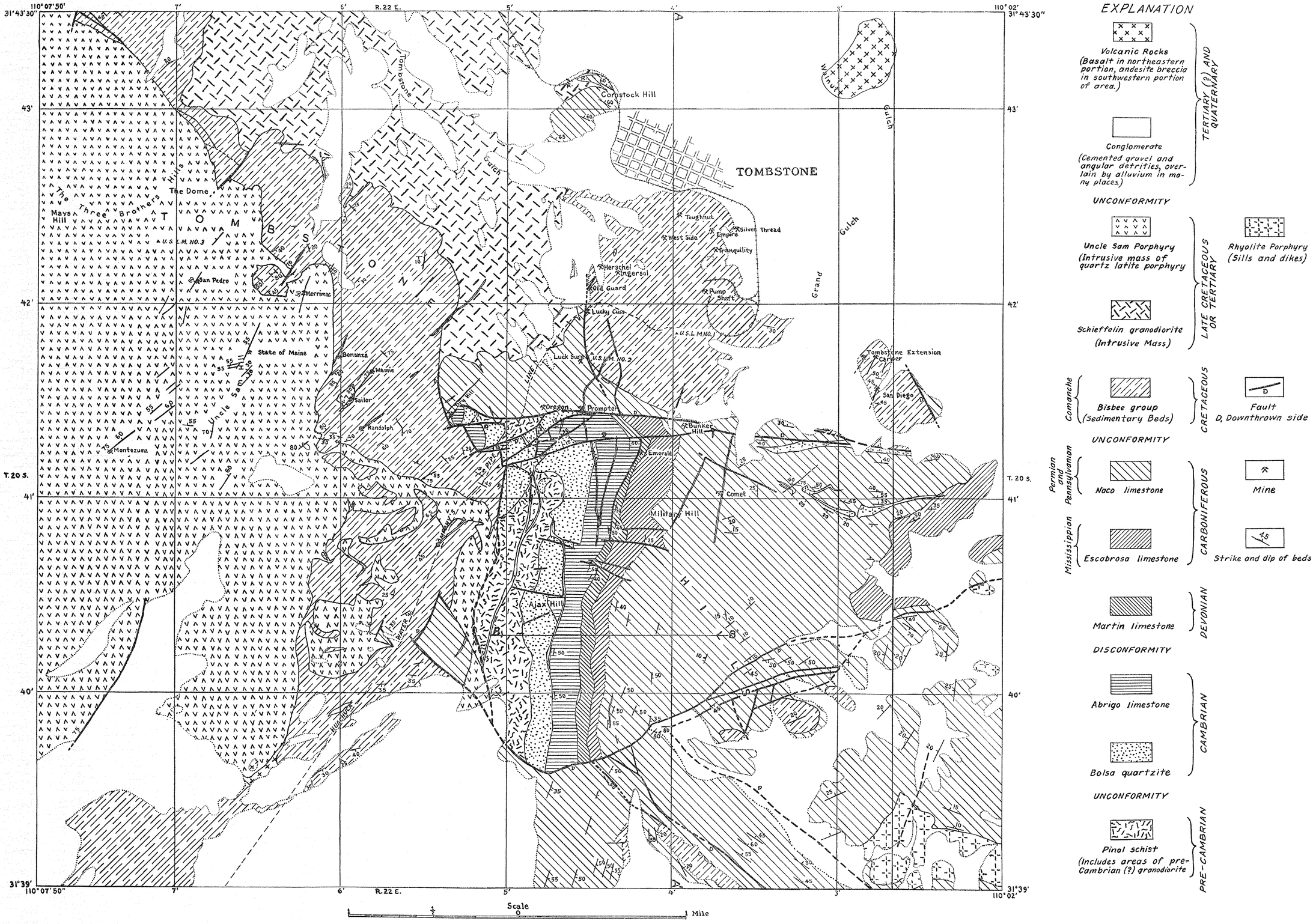
Plate V.—Structure sections along lines A-A' and B-B' of Plate III.



GEOLOGIC MAP OF TOMBSTONE DISTRICT, ARIZONA

MODIFIED FROM F. L. RANSOME

Plate IV



EXPLANATION

TERTIARY (?) AND QUATERNARY

- Volcanic Rocks (Basalt in northeastern portion, andesite breccia in southwestern portion of area.)
- Conglomerate (Cemented gravel and angular detrities, overlain by alluvium in many places.)

UNCONFORMITY

LATE CRETACEOUS OR TERTIARY

- Uncle Sam Porphyry (Intrusive mass of quartz latite porphyry)
- Schieffelin granodiorite (Intrusive Mass)

POST-PALEOZOIC

- Rhyolite Porphyry (Sills and dikes)

CRETACEOUS

- Comanche — Bisbee group (Sedimentary Beds)

Fault D, Downthrown side

UNCONFORMITY

CARBONIFEROUS

- Permian and Pennsylvanian — Naco limestone
- Mississippian — Escabrosa limestone

Mine

Strike and dip of beds

DEVONIAN

- Martin limestone

DISCONFORMITY

CAMBRIAN

- Abrigo limestone
- Bolsa quartzite

UNCONFORMITY

PRE-CAMBRIAN

- Pinal schist (Includes areas of pre-Cambrian (?) granodiorite

Plate III.—General geologic map of Tombstone district. (Modified from F. L. Ransome.)

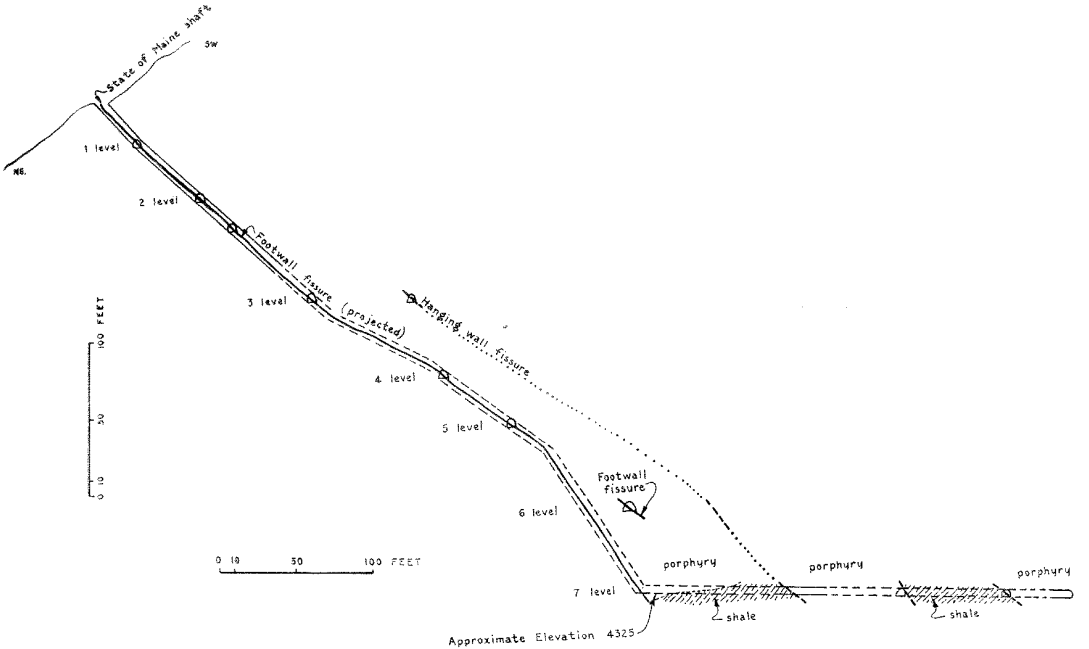


Plate XXVI.—Cross section through State of Maine Mine, looking southwest.