INTERIM GEOLOGIC MAP OF THE JUMP CREEK QUADRANGLE, CARBON COUNTY, UTAH
by Chris D. Hansen
Utah Geological Survey Open-File Report March 1996
Field work done during 1983.

REFERENCES

This report

Hansen, C.D., 1988, Geology of the Jump Creek 7 1/2' quadrangle, Carbon County, Utah: Provo, Brigham Young University, M.S. thesis, 70 p.

Standardville quadrangle

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Carroll, R.E., 1993, Interim geologic map of the Standardville quadrangle, Carbon County, Utah: Utah Geological Survey Open-File Report 299, scale 1:24,000.

Helper quadrangle

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PLATE 1

OPEN-FILE REPORT 334 March 1996
UTAH GEOLOGICAL SURVEY
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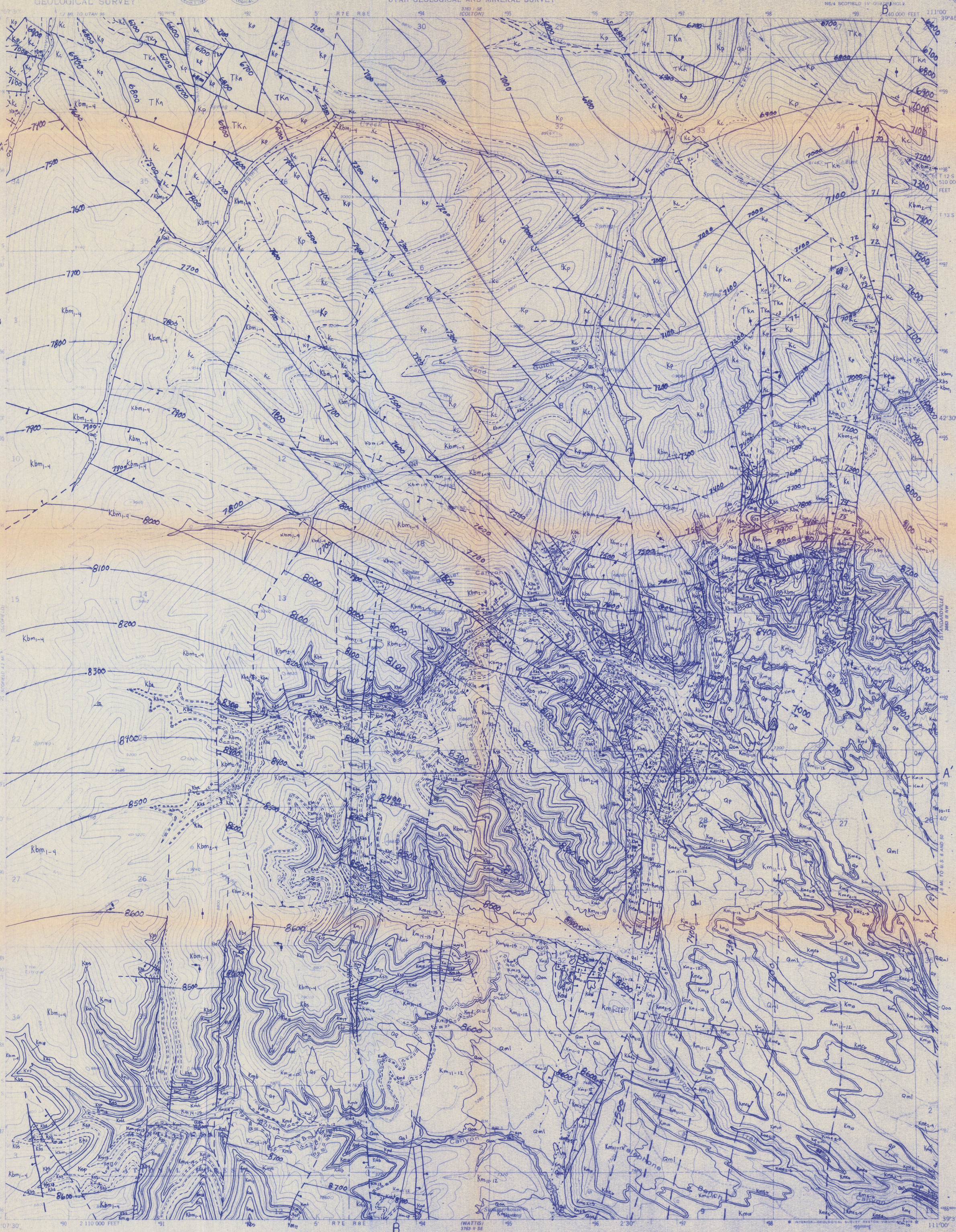
Utah Department of Natural Resources



Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA, and U. S. Forest Service

Topography by photogrammetric methods from aerial photographs taken 1970. Field checked 1974. Map edited 1979

Projection and 10,000-foot grid ticks: Utah coordinate system, central zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue. 1927 North American datum

Fine red dashed lines indicate selected fence lines

UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 80 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION

Primary highway, hard surface — Light-duty road, hard or improved surface
Secondary highway, hard surface — Unimproved road
Interstate Route — U. S. Route — State Route

UTAH

JUMP CREEK, UTAH

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PLATE 2

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EXPLANATION

Subsurface Units

CRETACEOUS

- Mancos Shale
  - Kmg — Garley Canyon Sandstone Member
  - Kmf — Ferron Sandstone member
  - Km — Shale members
- Kd — Dakota Sandstone
- Kcm — Cedar Mountain Formation

JURASSIC

- Jm — Morrison Formation
- Js — Summerville Formation
- Jcu — Curtis Formation
- Je — Entrada Sandstone
- Jca — Carmel Formation

CRETACEOUS

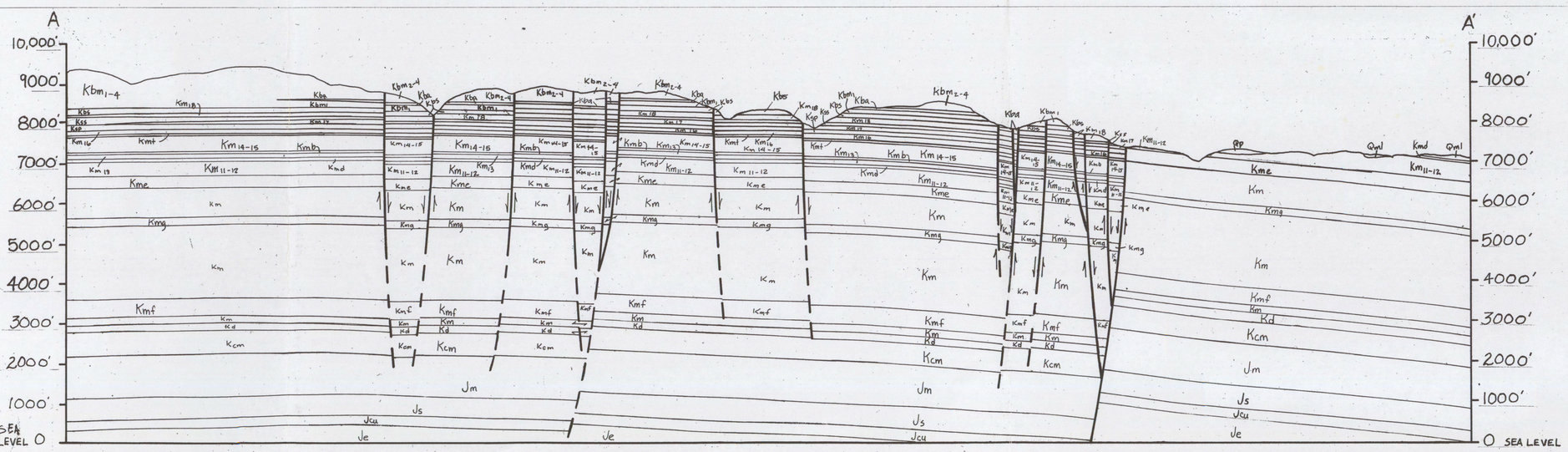
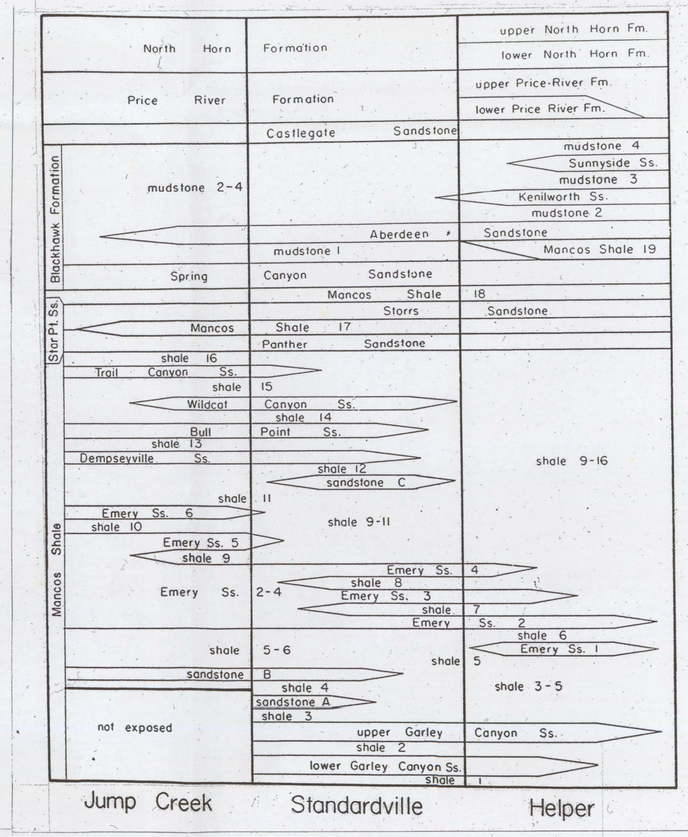
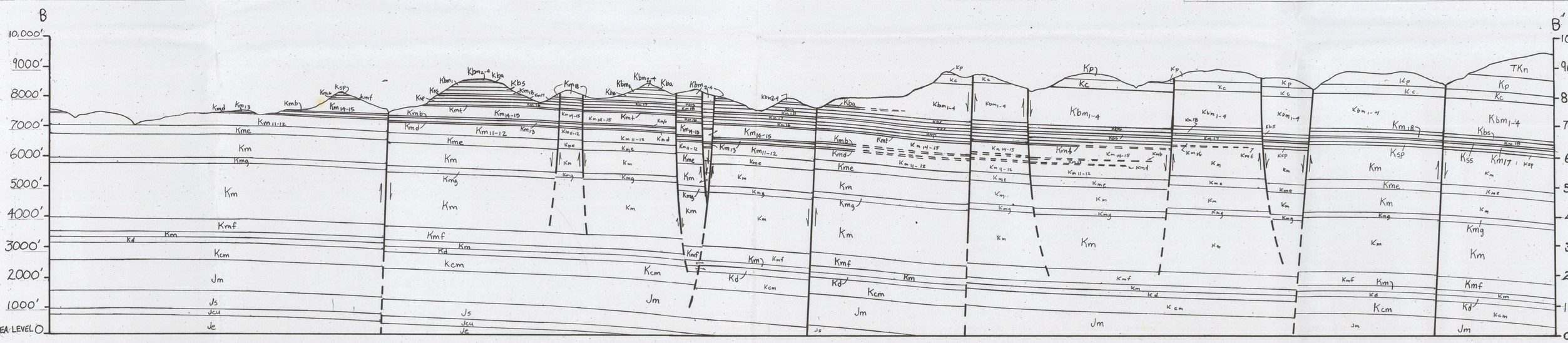
- Star Point Sandstone
  - Kss — Storrs Sandstone Member
  - Ksp — Panther Sandstone Member
- Mancos Shale
  - Kmt — Trail Canyon Sandstone Member
  - Kmw — Wildcat Canyon Sandstone Member
  - Kmb — Bull Point Sandstone Member
  - Kmd — Dempseyville Sandstone Member
  - Kme — Emery Sandstone Member
  - Kmsb — Sandstone B

QUATERNARY

- Qal — Recent alluvium
- Qoa — Older alluvium
- Qml — Mancos Shale lag
- Qp — Pediment gravel

CRETACEOUS

- TKn — North Horn Formation
- Kp — Price River Formation
- Kc — Castlegate Formation
- Blackhawk Formation
  - Kbm — Mudstone members
  - Kba — Aberdeen Sandstone Member
  - Kbs — Spring Canyon Sandstone Member

SYMBOLS

- Contact; dashed where inferred
- Normal Fault; symbol on downthrown side, dashed where inferred, dotted where covered
- Structural Contour; Dashed where inferred. Datum is top of Spring Canyon Sandstone
- Strike and dip of bedding plane
- Joint
- Mine Portal