EXPLANATION

Sedimentary Rocks

HOLOCENE

- Qf_3 — Youngest alluvial fan deposits
- Qw — Wash channel and flood plain deposits
- Qr — Young Gila River deposits

PLEISTOCENE

- Qf_2 — Young alluvial fan deposits
- Qf_1 — Intermediate alluvial fan deposits
- Qfu — Quaternary alluvial fan deposits, undifferentiated
- QTfu — Alluvial fan deposits, undifferentiated
- Qaf — Alluvial deposits veneering pedimented rock
- Qt — Strath terrace deposits
- QTr — Old Gila River 40 foot and 80 foot terrace deposits
- QTm — Mass wasting deposits, talus and colluvium
- QTb — Gillespie and Gila Bend basalt flows

PLIOCENE

- Tf_2 — Old alluvial fan deposits
- Tf_1 — Oldest alluvial fan deposits
- Tfu — Tertiary alluvial fan deposits, undifferentiated

MIOCENE

- Tv_3 — Younger alkali basalt
- Tv_2 — Tholeiitic basalt
- Tv_1 — Older alkali basalt
- Tv — Volcanic rocks, undifferentiated
- Ts_4 — Sedimentary (Ts) and volcanic (Tv_4) rocks, undifferentiated

PRE-MIOCENE

- Tst_2 — Tuffaceous sandstone with reworked and welded tuff interbeds
- Ts — Tuffaceous sedimentary rocks, undifferentiated
- Tsc — Arkosic conglomerate
- Ts_1 — Lahar deposits

OLDER PRECAMBRIAN (?)

- pCms — Metamorphosed sedimentary and volcanic rocks

Igneous Rocks

QUATERNARY — TERTIARY

PRECAMBRIAN (?)

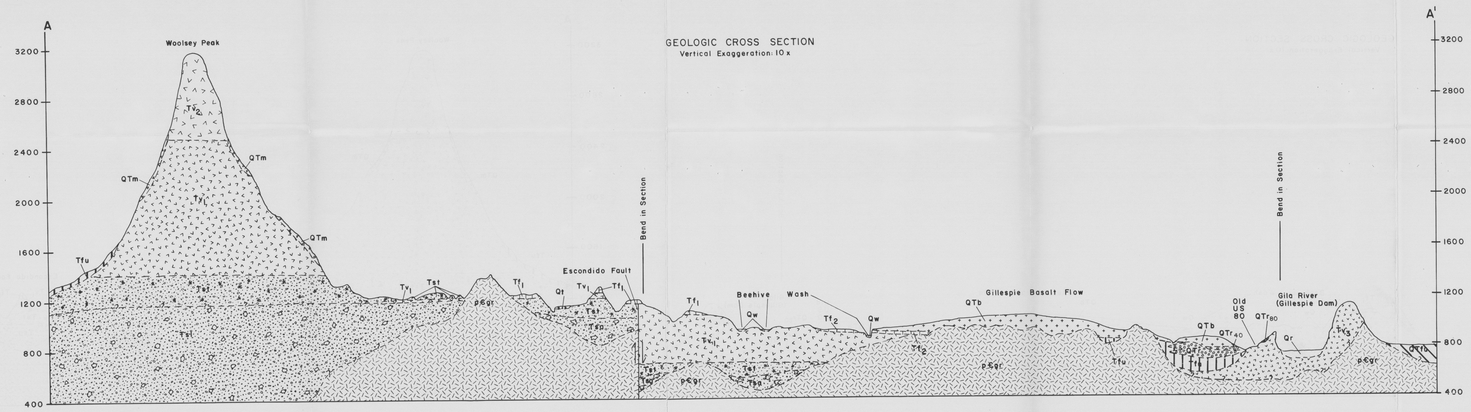
- pCgr / pCgn — Granitic (pCgr) and gneissic granitic (pCgn) rocks
- pCmd — Metamorphosed diorite

SYMBOLS

- Contact – dashed where approximate
- Fault, showing sense of displacement; dashed where approximate, dotted where buried (U / D)
- Strike and dip of bedding
- Strike and dip of foliation
- x–x–x–x Dike
- Volcanic vent
- A — A' Geologic crossection
- QTfu / pCgr — Upper unit overlies lower unit

N

2000 0 2000
SCALE (feet)



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Arizona Nuclear Power Project
Gillespie Dam
Alternate Siting Area

GEOLOGIC MAP AND CROSS-SECTION

Plate 2.5-1

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