



# REGIONAL TECTONIC MAP

## EXPLANATION

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|--|---|
| <b>PACIFIC FOLDBELT</b>  |   |
| <b>P4</b> YOUNGER BASINAL DEPOSITS—Late to early Tertiary marine.  | <b>P6</b> MAIN TERRESTRIAL VOLCANIC ROCKS—Differing compositions of Tertiary age.                                 |
| <b>CORDILLERAN FOLDBELT</b>  |   |
| <b>O12</b> DEPOSITS IN STRUCTURALLY NEGATIVE AREAS—Quaternary-Tertiary nonmarine deposits in intermontane depressions. | <b>Oπ</b> YOUNGEST TERRESTRIAL VOLCANIC ROCKS—Mainly Quaternary.  |
| <b>O9</b> MIOGEOSYNCLINAL DEPOSITS—Cambrian to Jurassic, deformed by end of Laramide orogeny.                          | <b>Ou</b> MAIN TERRESTRIAL VOLCANIC ROCKS—Differing compositions of Cretaceous-Tertiary age.                      |
| <b>O7</b> YOUNGER EUGEOSYNCLINAL DEPOSITS—Triassic to Jurassic, strongly metamorphosed.                                | <b>Oλ</b> YOUNGER INTRUSIVE AND PLUTONIC ROCKS—Early to mid-Tertiary, synorogenic to Laramide orogeny.            |
| <b>O6</b> OLD EUGEOSYNCLINAL DEPOSITS—Mississippian to Permian, strongly metamorphosed.                                | <b>OΘ</b> MAIN GRANITIC PLUTONIC ROCKS—Late Jurassic to mid-Cretaceous.   |
| <b>H5</b> LOWER PROTEROZOIC SEDIMENTARY AND VOLCANIC ROCKS.  | <b>O1</b> METAMORPHIC COMPLEX—Precambrian and Paleozoic ages, probably derived from early geosynclinal sediments. |
| <b>HUDSONIAN FOLDBELT</b>  |   |
| <b>Hy</b> LOWER PROTEROZOIC GRANITIC AND GNEISSIC ROCKS.   |   |
| <b>LITTLE DEFORMED PRECAMBRIAN DEPOSITS ON BASEMENT OF EARLIER PRECAMBRIAN ROCKS</b>                                   |   |
| <b>B</b> PLATFORM DEPOSITS ON PRECAMBRIAN BASEMENT.  | <b>A2</b> MIDDLE PROTEROZOIC SEDIMENTARY AND VOLCANIC ROCKS.  |

- ### SYMBOLS
- Hypothetical Buried Faults
  - Lithologic Contact
  - Faults  
Dashed where inferred, dotted where buried.
  - Thrust Faults  
Barbs on upthrown or overthrust side
  - Normal Faults  
Hachures on down thrown side
  - Transcurrent Faults  
Arrows indicate direction of strike-slip movement
  - State Boundary Line
  - International Boundary Line
  - Rivers
  - ⊕ - Astrobleme
  - ★ - Volcanoes
  - +1000  
Structure contours in Precambrian platform areas.  
Contour interval five hundred meters.

Reference: U.S. Geological Survey, 1969; Tectonic Map Of North America Modified By U.S.G.S. And A.A.P.G., 1962; Tectonic Map Of The United States.

Arizona Nuclear Power Project  
Palo Verde Nuclear Generating Station  
Units 1, 2 & 3

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Figure 2.5-4

CHANGE

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