





















- | LIST OF MAP UNITS | |
|-------------------|--------------------------------------------------------------------------------|
| | [See Description of Map Units in (in pamphlet) for complete unit descriptions] |
| OTu | Sedimentary deposits, undivided (Holocene to Miocene) |
| Tha | Basalt of Black Mesa (Miocene) |
| Ts | Sedimentary rocks (Miocene and Oligocene) |
| Tx | Sedimentary breccia (Miocene and Oligocene) |
| Txx | Sedimentary rocks and sedimentary breccias, undivided (Miocene and Oligocene) |
| U1 | Felsic intrusive rocks (Miocene and Oligocene) |
| U2 | Volcanic rocks, undivided (Miocene and Oligocene) |
| Tg | Granite (Miocene) |
| Tic | Mylonitic intrusive complex of northern Pimosa Mountains (Miocene) |
| TKg | Granite (Miocene to Cretaceous) |
| TKq | Granitoid rocks (Miocene to Paleoproterozoic) |
| | Orocopia Schist (Paleogene to Cretaceous) |
| TKos | Mylonitic schist |
| TKca | Amphibolite |
| Kgb | Gabbro and diorite (Cretaceous) |
| Kg | Granite (Cretaceous) |
| Kqzm | Quartz monzonite (Cretaceous or Jurassic) |
| Kj | Granite (Cretaceous or Jurassic) |
| Ad | Diorite and andolite (Cretaceous and Jurassic) |
| KXgn | Gneissic rocks, undivided (Cretaceous to Paleoproterozoic) |
| | McGey Mountain Formation (Cretaceous and Jurassic?) |
| Km1 | Member 1 (Cretaceous) |
| Km2 | Member 2 (Cretaceous) |
| Km3 | Member 3 (Cretaceous) |
| Km4 | Member 4 (Cretaceous) |
| Km5 | Member 5 (Cretaceous) |
| Km6 | Member 6 (Cretaceous) |
| Km7 | Member 7 (Cretaceous) |
| Km8 | Members 8, 9, and C, undivided (Cretaceous) |
| Km9 | Member 9 (Cretaceous) |
| Km10 | Member D (Cretaceous) |
| Km11 | Member C (Cretaceous) |
| Jm1a | Members B and A, undivided (Jurassic?) |
| Jm1b | Member B (Jurassic?) |
| Jm1c | Member A (Jurassic?) |
| | Sedimentary rocks of Apache Wash (Jurassic?) |
| Jaf | Fine-grained clastic rocks |
| Jsa | Sandstone |
| Jsu | Sandstone and conglomerate, undivided |
| Jsc | Conglomerate |
| Jsb | Sedimentary breccia |
| JTv | Volcanic and sedimentary rocks, undivided (Jurassic and Triassic) |

- | | |
|-----|---------------------------------------------------------------------------|
| Pss | Sedimentary rocks, undivided (Paleozoic) |
| PCs | Sedimentary rocks (Permian to Cambrian) |
| PPs | Sedimentary rocks (Permian and Pennsylvanian) |
| MCs | Sedimentary rocks (Mississippian to Cambrian) |
| YGg | Granite and granitic augen gneiss (Mesoproterozoic and Paleoproterozoic?) |
| YGn | Gneiss and amphibolite (Paleoproterozoic) |
| YGd | Granodiorite (Paleoproterozoic) |
| Xs | Schist (Paleoproterozoic) |
| Xv | Metavolcanic rocks (Paleoproterozoic) |

- ### EXPLANATION OF MAP SYMBOLS
- | | |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Contact —Solid where location is accurate, dashed where location is approximate |
|  | Fault —Solid where location is accurate; dotted where location is concealed. Showing dip where known. Arrows indicate sense of lateral displacement. Bar and ball on downthrown side |
|  | Thrust fault —Sawtooth on upper plate |
|  | Detachment fault —Flachures on upper plate |
|  | Low-angle fault —Sense of displacement unspecified. Half-circles on upper plate |
|  | Fold —Trace of axial surface |
|  | Anticline |
|  | Syncline |
|  | Overturned syncline |

- | PLANAR POINT FEATURES | |
|---------------------------------------------------------------------------------------|---------------------------------|
| [May be combined at point of observation] | |
| Strike and dip of bedding | |
|  | Inclined |
|  | Inclined, approximate |
|  | Vertical |
|  | Horizontal |
|  | Overturned |
| Strike and dip of foliation | |
|  | Tectonic, inclined |
|  | Tectonic, vertical |
|  | Volcanic, inclined |
|  | Bearing and plunge of lineation |
|  | Inclined |
|  | Horizontal |

Stone, 1900, this report		Peika, 1973	Harding and Cone, 1985	Ages of youngest detrital zircons (Ma) (Barr and others, 2004)
Member L	McCozy Mountains Formation, (unroofed)	Conglomerate Mbr. (structurally apical)		64
Member K	Unit 14			
Member J	Unit 13			
Member I	Unit 12		Siltstone member	
Member H	Unit 11			87
Member G	Unit 10			93
	Unit 9			91
	Unit 8		Sandstone member	
Member F	Unit 7			
	Unit 6		Conglomerate member	
	Unit 5		Mudstone member	
Member E	Unit 4			165
Member D	Unit 3		Basal sandstone member 2	
Member C	Unit 2			109
Member B			Basal sandstone member 1	
Member A	Unit 1			

Chart showing correlation of members A–L of the McCoy Mountains Formation with units of Pelka (1973) and Harding and Coney (1985) and ages from detrital zircons of Barth and others (2004)

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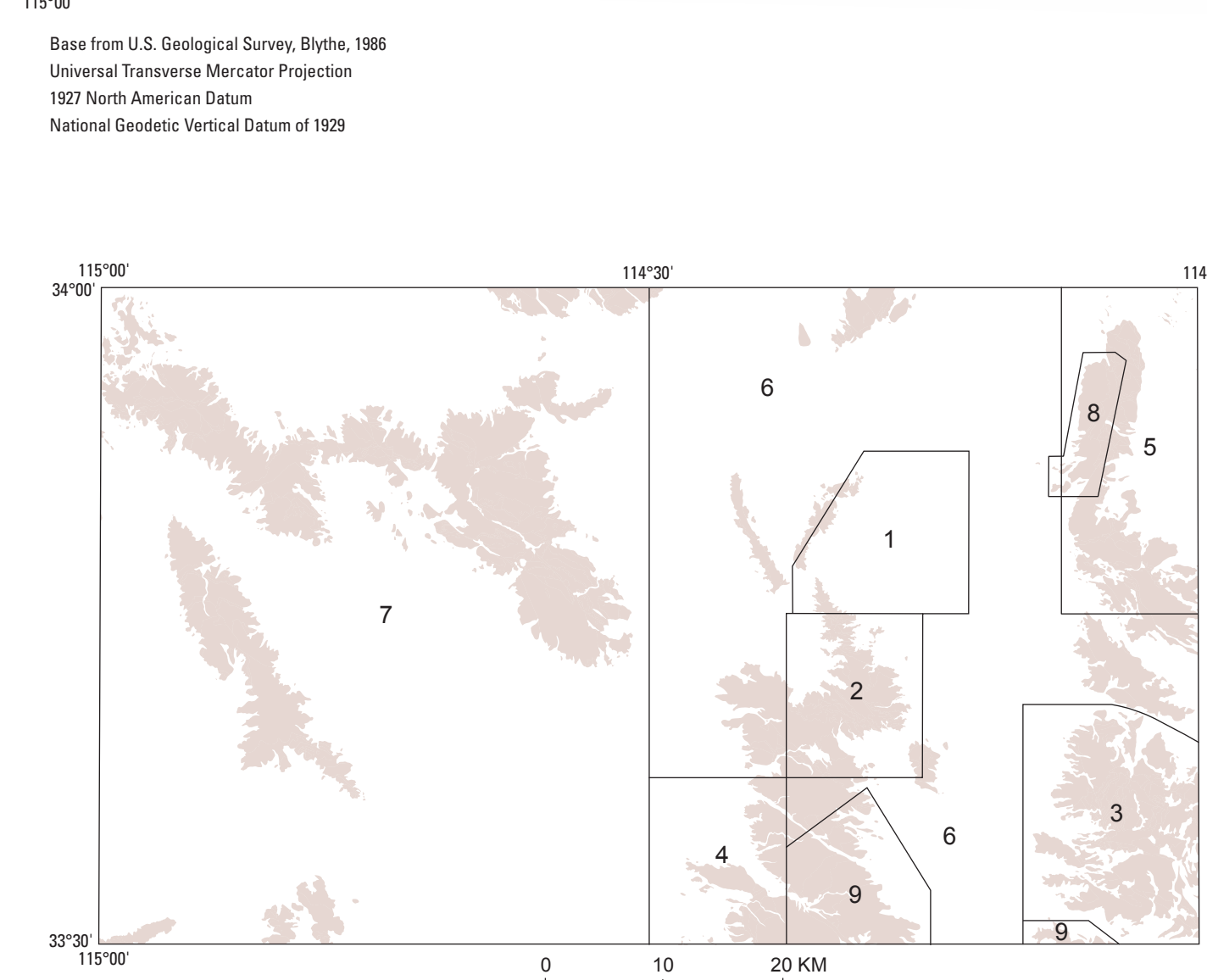
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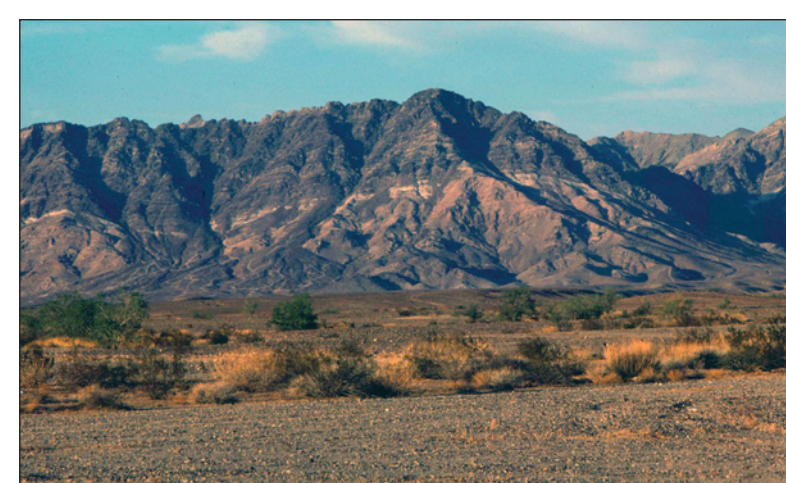
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Index map showing primary sources of geologic mapping,
Blythe 30' x 60' quadrangle, California and Arizona

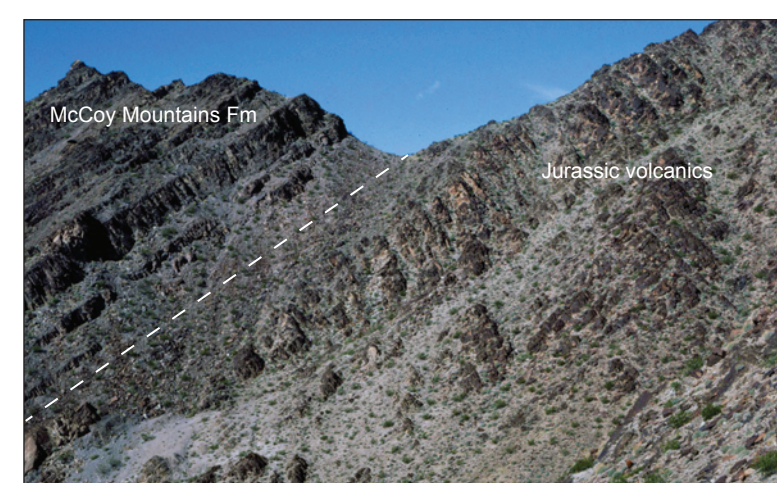
1. Moon Mountain SE and western edge of Bouse SW 7½ quadrangles, Gootee and others, 2017
2. Middle Camp Mountain SW 7½ quadrangle, Johnson and others, 2017
3. Southern Plomosa Mountains, Richard and others, 1993
4. Dome Rock Mountains SW 7½ quadrangle, Spencer and others, 2016
5. Bouse and Ilex Peak 7½ quadrangles, Spencer and others, 2015
6. Blythe 30' x 60' quadrangle, Stone, 1990
7. West half of Blythe 30' x 60' quadrangle, Stone, 2006
8. Northern Plomosa Mountains, Strickland and others, 2017
9. Southeastern Dome Rock Mountains and Livingston Hills, Tisdal and Stone, 1994, fig. 5



Photograph showing metamorphosed Paleozoic strata, Big Maria Mountains. Light-colored carbonate rocks (Cambrian to Mississippian) are overlain by dark calc-silicate rocks (Pennsylvanian to Permian). Thin white band at top of carbonate sequence is calcitic marble equivalent to Mississippian Redwall Limestone. Photograph by Paul Stone, U.S. Geological Survey.



Photograph showing McCoy Mountains Formation (member F) in McCoy Mountains. Photograph by Paul Stone, U.S. Geological Survey.



Photograph showing McCoy Mountains Formation stratigraphically above Jurassic volcanic rocks, McCoy Mountains. Photograph by Paul Stone, U.S. Geological Survey.



Photograph showing anticline in McCoy Mountains Formation, southern Pecos Mountains. Photograph by Paul Stone, U.S. Geological Survey.

Preliminary Bedrock Geologic Map of the Blythe 30' x 60' Quadrangle, California and Arizona

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