

Blythe Geologic Labels

<u>ptype</u>	<u>name</u>	<u>source_ptype</u>	<u>source_name</u>	<u>source_age</u>
Qw	Alluvial Wash Deposits	Qw	Alluvium of modern washes; commonly incised into older alluvial fan deposits	Holocene
Qf	Alluvial Fan Deposits	Qa6	Young alluvial-fan and alluvial-valley deposits, Unit 6; characterized by lack of desert varnish, generally fine grain size, and evidence of recent sediment transport; includes minor wash, channel, and eolian deposits	Holocene
Qa	Alluvial Valley Deposits	Qr	Alluvium of the modern Colorado River flood plain; unconsolidated clay, silt and sand; mostly vegetated	Holocene
Ql	Lacustrine, Playa and Estuarine (Paralic) Deposits	Qp	Playa lake deposits; unconsolidated clay, silt and sand	Holocene
Qe	Eolian and Dune Deposits	Qs	Eolian sand; unconsolidated sand dunes and sheets	Holocene
Qyf	Young Alluvial Fan Deposits	Qa5	Alluvial-fan deposits, Unit 5; sand and gravel; relatively young, undissected to little dissected, unvarnished to slightly varnished surfaces; some surfaces, bars and swales modified by recent stream flows; moderately dense vegetation	Holocene
Qyt	Young Terrace Deposits	Qbmg	Alluvial deposits east of the Big Maria Mountains, Gravel-dominated deposits; overlie Pleistocene pavement-forming alluvial fans (Qa3)	early Holocene and Pleistocene
Qof	Old Alluvial Fan Deposits	Qa4	Alluvial-fan deposits, Unit 4; sand and gravel; relatively old, dissected surfaces; pavement forming but generally unvarnished	Holocene and Pleistocene (primarily late and middle Pleistocene)
Qot	Old Terrace Deposits	Qbm	Alluvial deposits east of the Big Maria Mountains; dissected hills and terraces 10 to 40 m above flood plain; lacks desert varnish	Pleistocene (late to middle)
Qot	Old Terrace Deposits	Qbms	Alluvial deposits east of the Big Maria Mountains, Sand-dominated deposits	Pleistocene
Qot	Old Terrace Deposits	Qpv	Alluvial deposits of Palo Verde Mesa; prominent terrace 20 to 25 m above flood plain	Pleistocene (late to middle)

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Qvof	Very Old Alluvial Fan Deposits	Qa3	Alluvial-fan deposits, Unit 3; sand and gravel; relatively old, dissected surfaces characterized by smooth, varnished desert pavements	Holocene and Pleistocene (primarily late and middle Pleistocene)
Qvof	Very Old Alluvial Fan Deposits	QTa2	Alluvial-fan deposits, Unit 2; fine to coarse, poorly sorted gravel and sand; high, deeply dissected, narrow ridges	Pleistocene to (late) Miocene
Qvoa	Very Old Alluvial Valley Deposits	QTmm	Alluvial deposits of the Mule Mountains; weakly to moderately consolidated sand and pebbly sand deposits; form deeply dissected hills	Pleistocene and/or Pliocene
Qvoa	Very Old Alluvial Valley Deposits	QTmw	Alluvial deposits of the McCoy Wash area; deposits of gravel forming several broad hills 15 to 25 m above Palo Verde Mesa; mostly varnished	Pleistocene and/or Pliocene
Qvot	Very Old Terrace Deposits	QTe	Alluvial deposits of the Ehrenberg area; dissected bluffs and mesas on the east side of the river	Pleistocene and/or Pliocene
Qvot	Very Old Terrace Deposits	QTes	Alluvial deposits of the Ehrenberg area, Sand-dominated deposits; partly underlie QTe	Pleistocene and/or Pliocene
Tss	Coarse-grained Tertiary age formations	Ta1	Alluvial-fan deposits, Unit 1; sand and gravel; well consolidated sandy conglomerate; underlie limestone and tuff of Bouse Formation	Miocene
Tss	Coarse-grained Tertiary age formations	Tbx	Sedimentary breccia; unbedded, unsorted angular gravel and slide blocks; interpreted as old landslide deposits	Miocene and Oligocene?
Tss	Coarse-grained Tertiary age formations	Tbx?	Sedimentary breccia, uncertain	Miocene and Oligocene?
Tss	Coarse-grained Tertiary age formations	Tfbx	Fanglomerate, sedimentary breccia, and slide blocks, undivided; poorly to well-sorted conglomerate and sandstone containing clasts of local origin; includes basal red sandstone 100 to 150 m thick	Miocene and Oligocene?
Tss	Coarse-grained Tertiary age formations	Tsb	Slide blocks; large angular blocks and slabs of brecciated carbonate rocks and quartzite; probably deposited by landslides	Miocene and Oligocene?
Tss	Coarse-grained Tertiary age formations	Tsb?	Slide blocks, uncertain	Miocene and Oligocene?

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Tsh	Fine-grained Tertiary age formations	Tbl	Bouse Formation, Limestone	Pliocene and/or Miocene
Tsh	Fine-grained Tertiary age formations	Tbs	Bouse Formation, Fine-grained clastic sedimentary rocks	Pliocene and/or Miocene
Tv	Tertiary age formations of volcanic origin	Ti	Felsic intrusive rocks; rhyolitic to dacitic	Miocene and Oligocene?
Tv	Tertiary age formations of volcanic origin	Tv	Volcanic rocks; rhyolitic to basaltic	Miocene and Oligocene?
Kss	Coarse-grained Cretaceous age formations of sedimentary origin	Kmf	McCoy Mountains Formation, Member F, arkosic sandstone and conglomerate	Cretaceous
Kss	Coarse-grained Cretaceous age formations of sedimentary origin	Kmg	McCoy Mountains Formation, Member G, arkosic to volcanic-lithic sandstone (upper part), phyllitic and calcareous shale, calcareous sandstone, and conglomerate (lower part)	Cretaceous
Kss	Coarse-grained Cretaceous age formations of sedimentary origin	Kmh	McCoy Mountains Formation, Member H, arkosic sandstone, conglomeratic sandstone, and shale	Cretaceous
Kss	Coarse-grained Cretaceous age formations of sedimentary origin	Kmi	McCoy Mountains Formation, Member I, arkosic and micaceous sandstone, conglomeratic sandstone, and conglomerate	Cretaceous
Kss	Coarse-grained Cretaceous age formations of sedimentary origin	Kmi?	McCoy Mountains Formation, Member I, arkosic and micaceous sandstone, conglomeratic sandstone, and conglomerate, uncertain	Cretaceous
Kss	Coarse-grained Cretaceous age formations of sedimentary origin	Kmj	McCoy Mountains Formation, Member J, arkosic to volcanic-lithic sandstone and conglomerate	Cretaceous
Kss	Coarse-grained Cretaceous age formations of sedimentary origin	Kml	McCoy Mountains Formation, Member L, arkosic sandstone, conglomerate, and minor shale	Cretaceous
Ksh	Fine-grained Cretaceous age formations of sedimentary origin	KJmb	McCoy Mountains Formation, Member B, mudstone and siltstone	Cretaceous or Jurassic
Ksh	Fine-grained Cretaceous age formations of sedimentary origin	Kmc	McCoy Mountains Formation, Member C, very fine to fine-grained volcanic-lithic sandstone and siltstone, mudstone and minor conglomerate	Cretaceous
Ksh	Fine-grained Cretaceous age formations of sedimentary origin	Kmd	McCoy Mountains Formation, Member D, phyllitic shale and silty to sandy shale	Cretaceous

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Ksh	Fine-grained Cretaceous age formations of sedimentary origin	Kme	McCoy Mountains Formation, Member E, phyllitic shale and arkosic and volcanic-lithic sandstone	Cretaceous
Ksh	Fine-grained Cretaceous age formations of sedimentary origin	Kmk	McCoy Mountains Formation, Member K, fine-grained arkosic to volcanic-lithic sandstone, phyllitic shale, and minor conglomerate	Cretaceous
Kv	Cretaceous age formations of volcanic origin	JTRu	Volcanic and sedimentary rocks, undivided	Jurassic and Triassic
Kv	Cretaceous age formations of volcanic origin	Jv	Volcanic rocks; rhyodacitic volcanic and metavolcanic rocks	Jurassic
Kv	Cretaceous age formations of volcanic origin	Jv?	Vocanic rocks, uncertain	Jurassic
Kv	Cretaceous age formations of volcanic origin	KJa	Andesite	Cretaceous or Jurassic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	JTRs	Sedimentary rocks, variably metamorphosed to schist and quartzite	Jurassic and Triassic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	KJma	McCoy Mountains Formation, Member A, quartzite and minor chert- and quartzite-clast conglomerate	Cretaceous or Jurassic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	KJma?	McCoy Mountains Formation, Member A, quartzite and minor chert- and quartzite-clast conglomerate, uncertain	Cretaceous or Jurassic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	MCs	Sedimentary rocks, metamorphosed sedimentary rocks	Mississippian to Cambrian
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	MzPfg	Fine-grained gneiss	Mesozoic or Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	MzPgn	Gneissic rocks, undivided	Mesozoic or Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	MzPs	Schist	Mesozoic or Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	PCs	Sedimentary rocks, metamorphosed Permian to Cambrian strata	Permian to Cambrian

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pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Pgn	Gneiss and amphibolite	Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Pgn?	Gneiss and amphibolite, uncertain	Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	PPs	Sedimentary rocks, metamorphosed sedimentary rocks	Permian and Pennsylvanian
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Pzs	Sedimentary rocks, undivided, metamorphosed sedimentary rocks	Paleozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Pzs?	Sedimentary rocks, undivided, metamorphosed sedimentary rocks, uncertain	Paleozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Jp	Plutonic rocks; porphyritic granitoid rocks	Jurassic
gr	Granitic and other intrusive crystalline rocks of all ages	Jpgb	Plutonic rocks, Hornblende gabbro	Jurassic
gr	Granitic and other intrusive crystalline rocks of all ages	Jpgd	Plutonic rocks, Foliated granodiorite and diorite	Jurassic
gr	Granitic and other intrusive crystalline rocks of all ages	Kgp	Gneissic porphyritic granite	Cretaceous
gr	Granitic and other intrusive crystalline rocks of all ages	Ppg	Porphyritic granite and augen gneiss	Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	TRd	Diorite and gabbro	Triassic? or Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	TRd?	Diorite and gabbro, uncertain	Triassic? or Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	TRqm	Quartz monzonite and monzodiorite	Triassic