

## **Appendix A.**

**Paleontological Resources From San Bernardino County as recorded in the online collections databases of the University of California Museum of Paleontology (UCMP), the San Bernardino County Museum (SBCM), and the San Diego Natural History Museum (SDNHM)**

California State Map Unit	Formation	No. Specimens	No. Localities	Most Common Taxa (not exhaustive)	Collection
Older Alluvium (Q)	?	3404	8	Mammals (Marmota, Bassariscus, Camelops, Camelus, Dipodomys, Equus, Canis, Lepus, Ochotona, Otospermophilus, Spilogale, Neotoma, Chaetodipus, Gopherus, Urocyon, Baiomys, Sciurus, Ovis, Theomomys, Canis, Lepus, Lemmiscus, Lynx, Tanupolama), Birds (Buteo, Bubo), Plants (Pinopsida, Juniperus); Reptiles (Hesperotestudo, Ordosemys, Sceloporus, Cnemidophorus)	UCMP
Older Alluvium (Q)	?	3248	?	Mammals (Leporidae, Equus, Bison, Mammuthus, Canidae, Camelidae, Felidae, Lagomorpha, Leporidae, Geomyidae, Cricetidae, Physidae, Soricidae, Heteromyidae, Talpidae), unidentified bird, amphibian (Anura, Bufonidae), reptile (Colubridae, Iguantidae), invertebrates (gastropods, bivalves), fish, plants (Pinaceae)	SBCM
Older Alluvium (Q)	Manix Formation	315	39	Mammals (Mammuthus, Elephas, Equus, Bison, Camelops, Hemiauchenia, Camelus, Canis, Lepus, Felis, Tanupolama, Antilocapra, Ovis, Nothrotheriops, Smilodon); Fish (Gila); Aves (Bubo, Pelecanus, Phoenicopterus)	UCMP
Older Alluvium (Q)	Manix Formation	15	?	Mammals (Equidae, Camelidae, Mammuthus), Invertebrates (bivalve)	SBCM
Pleistocene-Pliocene Nonmarine Sediments (QPc)	San Timoteo Formation	846	?	Mammals (Equid, Geomyidae, Sciuridae, Mammuthus, Camelidae, Heteromyidae, Cricetidae, Salicaceae, Leporidae, Soricidae, Physidae), Birds (Odontophoridae), reptiles (Crotalidae, Iguantidae), Invertebrates (bivalve, gastropod), plants (Pinaceae, Magnoliaceae)	SBCM
Pliocene Nonmarine Sediments (P)	Tulare Formation	1922	?	Mammals (Equid, Cricetidae, Rodentia, Talpidae, Geomyidae, Heteromyidae, Lagomorpha, Leporidae), unidentified birds, reptiles (Emydidae, Iguanidae, Soricidae, Colubridae, Testudines), Fish	SBCM
Pliocene Marine Sediments (P)	?	277	?	Mammals (Cricetidae, Camelidae, Canidae, Cervidae, Equidae, Heteromyidae, Leporidae, Mammuthus, Mustelidae, Vespertilionidae, Sciuridae), Birds (Accipitridae, Emberizidae), Reptiles (Crotalidae, Testudinae), Invertebrates (gastropods)	SBCM
Miocene Nonmarine Sediments (Mc)	Avawatz Formation	98	8	Mammals (Cupidininus, Hypolagus, Megatylopus, Perognathoides, Pliauchenia, Pliohippus, Procamelus, Pseudaelurus), Reptilia (Lacertilia)	UCMP

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Miocene Nonmarine Sediments (Mc)	Barstow Formation	3883	220	Mammals (Acritohippus, Amphicyon, Brachycrus, Brachypsalis, Copemys, Cupidinius, Cynarctus, Elgaria, Gomphotherium, Hypohippus, Hypolagus, Hesperocamelus, Leptocyon, Megatylopus, Merychippus, Merycodus, Paracosoryx, Plianchenia, Pliocyon, Pliohippus, Procamelus, Pseuaelurus, Rakomeryx, Scaphohippus, Tamias); Invertebrates (Gastropoda, Bivalvia, Planorbula), Aves (Buteo, Aquila, Cyrtonyx, Polyborus), Reptiles (Lacertilia, Sceloporus, Testudo)	UCMP
Miocene Nonmarine Sediments (Mc)	Barstow Formation	95	?	Mammals (Palaeomerycidae, Camelidae, Equidae, Heteromyidae, Sciuridae, Cricetidae, Leporidae, Mustelidae, Carnivora, Canidae)	SBCM
Miocene Nonmarine Sediments (Mc)	Bedrock Springs Formation	18	12	Mammals (Camelidae, Gomphotherium, Machairoduss, Pliohippus)	UCMP
Miocene Nonmarine Sediments (Mc)	Cajon Valley / Punchbowl Formation	285	39	Mammals (Archaeohippus, Aepycamelus, Aphelops, Bouromeryx, Brachycrus, Copemys, Cupidinius, Dromomeryx, Hypolagus, Limnoecus, Merychippus, Mioheteromys, Miolabis, Miospermophilus, Parahippus, Perognathus, Pseudaelurus, Scaphohippus, Tomarctus, Vulpes), Reptilia (Hesperotestudo)	UCMP
Miocene Nonmarine Sediments (Mc)	Crowder Formation	9	6	Mammals (Merychippus, Bouromeryx, Nannipus), Reptilia (Geochelone)	UCMP
Miocene Nonmarine Sediments (Mc)	Crowder Formation	246	?	Mammals (Cricetidae, Eomyidae, Leporidae, Carnivora, Camelidae, Talpidae, Geomyidae), unidentified birds, reptiles (Testudines, Teiidae, Serpentes), invertebrates (gastropods), plants	SBCM
Miocene Nonmarine Sediments (Mc)	Hector Formation	10	6	Mammals (Merychippus, Miolabis)	UCMP
Miocene Nonmarine Sediments (Mc)	Old Woman Sandstone	2	1	Reptiles (Hesperotestudo, Emys)	UCMP
Miocene Nonmarine Sediments (Mc)	Potatoe Sandstone	1	1	Indeterminate mammal	UCMP
Miocene Nonmarine Sediments (Mc)	Ricardo Formation	16	1	Plants (Palmoxyton, Pinus, Cupressus, Quercus, Robinia)	UCMP

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Miocene Nonmarine Sediments (Mc)	?	153	13	Mammals (Merychippus, Miolabis, Sciuropterus, Borophagini indet, Bouromeryx, Proheteromys, Ungulata indet., Oreodonta indet., Oxydactylus ); unidentified reptile	UCMP
Miocene Nonmarine Sediments (Mc)	?	165	?	Fish (Clupeida, Gadiformes, Myctophidae), plants (Fagaceae)	SBCM
Marine Sediments & Metasediments (K)	San Francisquito Formation	1	1	Unidentified reptile	UCMP
Permian Marine Sediments & Metasediments (Pm)	Bird Spring Formation	12	9	Corals	UCMP
Permian Marine Sediments & Metasediments (Pm)	?	13	13	Corals	UCMP
Cambrian Marine Sediments & Metasediments (Ca)	Cadiz Formation	2	2	Trilobite, Hydrozoa	UCMP
Cambrian Marine Sediments & Metasediments (Ca)	Chambless Formation	1	1	Trilobite	UCMP
Cambrian Marine Sediments & Metasediments (Ca)	Latham Shale	2	2	Crinoid, Anomalocaris	UCMP
Cambrian Marine Sediments & Metasediments (Ca)	Latham Shale	99	?	Trilobites, brachiopods	SDNHM
Cambrian Marine Sediments & Metasediments (Ca)	?	1	1	Archaeocyatha	UCMP
Cambrian Marine Sediments & Metasediments (Ca)	Nopah Formation	2	2	Thrombolite	UCMP