

**EARLIEST RECORDS** - compliments of [www.gem-n-i.org](http://www.gem-n-i.org)

ERA	PERIOD	PLANT LIFE	MARINE LIFE	LAND LIFE	LAST RECORD
<b>C E N O Z O I C</b>	PLEISTOCENE				
	PLIOCENE				
	MIOCENE			BEARS, COWS, ANTELOPE, GIRAFFES	
	OLIGOCENE			DEER, PIGS, ELEPHANTS	
	EOCENE			HORSE, CAMELS, RHINOCEROS, DOGS, CATS, WHALES, BATS, PRIMATES	
	PALEOCENE				
<b>M E S O Z I C</b>	CRETACEOUS	GRASSES, BEECH, BIRCH, MAPLE, WALNUT, OAK, SYCAMORE, IVY, TULIP TREE, BREADFRUIT, HAZELNUT, SWEET GUM	CRABS, MOSASURS, BONY FISHES	SNAKES	PLEUROMEIA, BENNETTITES, AMMONITES, BELEMITES, MOSASURS, ICHTHYOSAURS, PLESIOSAURS, PTEROSAURS, DINOSAURS
	JURASSIC	CAYTONIALES, SEQUOIA, YEW, WATERLILIES, MAGNOLIA	SHRIMP, URCHINS, SCALLOPS, FISHES, TELEOST, MARINE TURTLES, CROCODILES, PLESIOSAURS	TERMITES, FLIES, EARWIGS, CADDIS, MOSQUITOES, BEES, MOTHS, WASPS, ANTS, SALAMANDERS, FROGS, LIZARDS, PTEROSAURS, BIRDS	PTERIDOSPERMS, GLOSSOPTERIS
	TRIASSIC	PLEUROMEIA, PALMS, DICOTYLEDONS	OYSTERS, LOBSTERS, BELEMNITES, MODERN CORAL, ICHTHYOSAURS	GRASSHOPPERS, CRICKETS, SILVERFISH, TURTLES, RHYNOCEPHALIANS, DINOSAURS, MAMMALS	CORDIATES
	PERMIAN	GLOSSOPTERIS, GINKGO, EPHEDRA, BENNETTITES	AMMONITES	MAYFLIES, BEETLES, THRIPS, STINKBUGS, SNAKEFLIES, SCORPION FLIES, MAMMAL-LIKE REPTILES	LEPIDODENDRON, CALAMITES, SPHENOPHYLLUM, FUSILINIDS, RUGOSE, CORALS, BLASTOIDS, EURYPTERIDS, TRILOBITES
	PENNSYLVANIAN	EQUISETUM, SPHENOPHYLLUM CYCADS		DRAGONFLIES, COCKROACHES, CENTIPEDES, REPTILES, LAND SNAILS, FRESHWATER MAMMALS	ACANTHODIANS

P A L E O Z O I C	MISSISSIPPIAN	MOSS, TREE FERN, CORDIATES, CONIFERS, AGIOSPERMS	BRITTLE STARS, CESTRACIODONT SHARKS		ARTHRODIRES
	DEVONIAN	BROWN ALGAE, LIVERWORTS, LEPIDODENDRON, CALAMITES, PTERIDOSPERSM, FERNS, FERN-LIKE PLANTS	GONIoTIES, SHARKS, HORSESHOE CRABS, CROSSOPTERYGIANS, ARTHRODIRES, ACANTHODIANS, LUNGFISH, OSTEICHTHYS	SPIDERS, MITES, WINGLESS INSECTS, AMPHIBIANS	OSTRACODERMS
	SILURIAN	PROTOLEPIDODENDRON	PLACODERMS	LAND PLANTS, SCORPIONS, MILLIPEDS	GRAPTOLOIDS, CYSTOIDS
	ORDOVICIAN	RED ALGAE, LYCOPDS, STONEWARTS, PSILOPHTES, SPHENOPSIDA	OSTRACODS, CLAMS, BRYZOA, CRINOIDS, SCAPHOPODS, BLASTOIDS, SEA URCHINS, BARNACLES, EURYPTERIDS, OSTRACODEMS		
	CAMBRIAN	VASCULAR PLANTS, DIATOMS	RADIOLARIANS, GRAPTOLITES, SPONGES, STARFISH, SEA CUCUMBERS, SYSTOIDS, SNAILS, BRANCHIOPODS, TRILOBITES	POSSIBLE LAND PLANTS	
P R E C A M B R I A N	LATE	FUNGI, GREEN ALGAE, BLUE-GREEN ALGAE	FORMENIFERA, JELLYFISH, CORALS, ANNELD WORMS, NAUTILOIDS, BRACHIPODS, POSSIBLE EURYPTERIDS		
	EARLY	BACTERIA			

Chart provided by Santa Rosa Mineral & Gem Society