Stratigraphic Section of Colorado Springs, El Paso County, Colorado

	Stratigraph	iiic S	section of Colorado
System	Formation	Thicknes	s
Quaternary	Mesa Gravels	10	0000000
Paleogene (Tertiary)	D1 sequence	370	—
Upper Cretaceous	Laramie Fm	110	
	Fox Hills Ss	90	党总统
	Pierre Shale	1520	
	Niobrara Fm Benton Shale	140 150	
Lower	Dakota Ss	50	
Cretaceous	Purgatoire Fm	60	7.7.7.7.
Jurassic	Morrison Fm	90	
Triassic (?)	Lykins Fm	40	Citibilities of
Permian	Lyons Ss	210	7:0:9:5:4:4: 3:0:9:5:4:4:
Pennsylvanian	Fountain Fm	1230	
Mississippian Devonian Ordovician Cambrian Proterozoic	Glen Eyrie Fm Hardscrabble Ls Williams Canyon Ls Manitou Ls Sawatch Ss Pikes Peak Granite Idaho Springs Fm	110 30 10 60 15	

Qmg Mesa Gravels- Unconsolidated, poorly sorted gravel, pebbles and cobbles primarily of granitic origin

JIMMY CAMP CREEK PARK AND CORRAL BLUFFS

D1 sequence- (Arapahoe Conglomerate, Denver Fm, Dawson Fm), andesitic and/or granitic conglomerates, sandstones and mudstones. Abundant fossil trees, leaves; turtle, crocodile, champsosaurus, mammal; K/Pg Boundary

Kl Laramie Fm -Lower- lenticular ss, shale, coal; upper – carbonaceous shale and ironstone beds; fossil leaves, palms

Kf Fox Hills Ss- Lower- buff sandstone and concretionary sandy shale; upper- white sandstone

Kp Pierre Shale- (90 m base of formation) Dark gray marine shale with ammonites, baculites and pelecypods; ironstone beds; calcareous concretions; cone-in-cone

Kn Niobrara Fm- (140 m) -Smoky Hill Chalk Mbr- Shale weathers to yellowishtan; thin limestone beds; *Platyceramus, Pseudoperna* congesta, fish bones and scales

-Fort Hays Limestone Mbr- Alternating beds of light gray limestone and gray calcareous shale; Inoceramus

Kb Benton Shale- (150 m) -Codell Sandstone Mbr- F-mg yellow-brown calcarenite; shark teeth, ammonites, pelecypods
-Graneros Shale/Carlisle Shale- Dark gray marine shale separated by Greenhorn Ls Mbr (these units not differentiated at RRCOS due to poor exposure); interbedded bentonites; fish teeth

Kd Dakota Ss- (65 m) Vfg quartz sandstone; lower trough crossbeds; upper platy ss w/ mudstone; ripples dinosaur tracks; tree, leaf impressions, *Araucaria sp*

Kdp Purgatoire Fm- (65 m)
-Glencarin Shale Mbr- Dark gray marine shale with thin ss and limestone beds, weathers tan, fish scales; *inoceramus sp*-Lytle Ss Mbr- Coarse grained, white ss, chert pebbles, some conglomerate, variegated claystones; Theiophytalia kerri iguanodontid from Garden of the Gods

Jm Morrison Fm- (90 m) Gray, green, red claystone w/ channel ss; lacustrine limestone; dinosaur bones Section 16 Open Space; lower includes Ralston Creek Fm gypsum beds

Trl(?) Pl Lykins Fm- (40 m) Sandstone, siltstone and shale red beds, minor stromatolitic limestone/dolostone includes Forelle Ls Mbr

Pl Lyons Ss- (210 m) Red, gray, white well sorted f-mg quartz ss, calcite cemented; lower massive, red; middle conglomeratic arkose, forms valley, ripples; upper- red to white; heavily cross bedded; mud cracks

Pf Fountain Fm- (700 m- top of formation) red and white cg arkosic sandstone, conglomerate w/ angular to subangular primarily granitic clasts up to 20 cm; interbedded w/ micaceous siltstone;

Glen Eyrie Mbr- (lower member of Fountain Fm) Varicolored shale, thin sandstone, limestone; sea urchins, crinoids

Hardscrabble Ls- Buff to gray sandy, dolomitic ls, lower sandy, chert, oolites; upper karst breccia Williams Canyon Ls- Varicolored, thin bedded sandy limestone/dolomite, sandstone, shale, siltstone Manitou Ls- Lower- red, sandy coarse dolomitic; upper interbedded limestone/dolomite, cherty, oolitic, glauconitic; trilobites, gastropods Sawatch Ss- Lower- It gray m-cg quartz ss; upper fg, red to green, glauconitic, calcareous, dolomitic, qtz pebbles; trilobites Pikes Peak Granite- Red, coarse-grained,

massive granite; pegmatites common **Idaho Springs Fm-** (migmatic gneiss as described by Keller *et al*, 2005)