

Pinabete Permit Application Package

Table 41.2-5 Comparison of Sediment Yield Pre-mining with Mine Operations for Pinabete Arroyo, Cottonwood Arroyo, and Unnamed Tributary to Chaco River

SEDCAD designation	Watershed location	Area (sq mi)	2yr-6hr event (0.85 inches)	10yr-6hr Event (1.28 inches)	25yr-6hr event (1.56 inches)	100yr-6hr event (2.04 inches)
			Sediment yield (tons)	Sediment yield (tons)	Sediment yield (tons)	Sediment yield (tons)
Structure 9	Pinabete at mouth, pre-mine	59.37	2,821	9,886	16,325	25,646
Structure 9	Pinabete at mouth, during mine operations	56.24	2,249	7,973	13,380	24,777
Structure 37	Cottonwood at mouth, pre-mine	80.11	10,744	27,242	40,586	67,180
Structure 37	Cottonwood at mouth, during mine operations	75.70	10,473	26,966	40,310	66,822
Structure 1	Chaco Trib , pre-mine	0.45	158	497	788	1,380
Structure 2	Chaco Trib, during mine operations	0.07	19	60	95	166