

Pinabete Permit Application Package

Table 41.2-4 Comparison of Flows Pre-mining with Operations for Pinabete Arroyo, Cottonwood Arroyo, and Unnamed Tributary to Chaco River in Area 4 North

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)	
			Flow (cfs)	Volume (acre-feet)	Flow (cfs)	Volume (acre-feet)	Flow (cfs)	Volume (acre-feet)	Flow (cfs)	Volume (acre-feet)
Structure 9	Pinabete at mouth, pre-mine	59.37	390	371.8	1,081	1,010.7	1,649	1,531.5	2,767	2,033.0
Structure 9	Pinabete at mouth, during mine operations	56.24	390	282.4	1,091	764.8	1,649	1,157.7	2,767	1,928.0
Structure 37	Cottonwood at mouth, pre-mine	80.11	1,250	459.5	2,839	1,165.0	4,049	1,732.0	6,325	2,836.0
Structure 37	Cottonwood at mouth, during mine operations	75.70	1,240	418.8	2,828	1,071.0	4,033	1,598.0	6,292	2,628.3
Structure 1	Chaco Trib , pre-mine	0.45	50	2.3	137	6.4	205	9.8	334	16.3
Structure 2	Chaco Trib, during mine operations	0.07	7.2	0.35	20	1.00	30	1.51	49	2.5