

Table 5-2: Summary of Aperture Field Characterization

Fracture ID	Length [m]	Width [m]	Recirculation System Volume [cm³]		q_c [m/d]	Q [mL/min]	b_h [mm]	b_m [mm]	b_f [mm]	Estimated Volume of Fracture Plane [cm³]			Reynolds Number [-]	Aperture Field Variability [-]
			Influent	Effluent						Based on b_c	Based on b_m	Based on b_f		
F1	0.49	0.30	221.56	215.60	30	1.668	0.300	1.60	0.135	45.10	240.95	20.70	0.10	0.50
					30	1.668	0.300	1.65	0.135	45.10	250.65	20.20	0.10	0.50
					10	0.556	0.285	2.75	0.090	43.15	417.75	13.20	0.03	0.54
					5	0.28	0.285	2.15	0.100	43.15	327.60	14.90	0.02	0.53
Average							0.293	2.04	0.115	44.13	309.24	17.25		0.52
Standard Deviation							0.009	0.540	0.023					
F2	0.41	0.31	211.61	175.16	30	1.55	0.235	2.85	0.065	29.75	360.90	8.40	0.08	0.55
					30	1.55	0.235	1.65	0.030	29.75	207.20	3.55	0.08	0.53
					10	0.52	0.235	1.15	0.105	29.75	147.45	13.20	0.03	0.50
					5	0.26	0.235	1.41	0.035	29.75	1.78.80	4.25	0.01	0.53
Average							0.235	1.760	0.059	29.75	223.52	7.35		0.53
Standard Deviation							0.000	0.750	0.035					