

Attachment A-5 Drainage Area Calculations

Area Label	C	Area		*T _c (min)	I ₁₀ From Map	Correction Factor	I ₁₀ (in/hr)	Q (cfs)	Discharge Point No.	Discharge Point Name	Discharge Point Location		Receiving Water Classification
		(SF)	(ac)								Lat.	Long.	
1-1	0.52	6838.34	0.157	5	1.98	2.75	5.45	0.45	1	Kupapaulua Gulch	20.012501	-155.296657	Class 2 Inland
2-1	0.33	32960.24	0.757	15	1.98	1.90	3.76	0.93	2a	Kaholo Gulch	20.012820	-155.298457	Class 2 Inland
									2b		20.013372	-155.298089	
3-1	0.9	1003.85	0.023	5	1.98	2.75	5.45	0.11	3	Kupapaulua Gulch	20.012693	-155.296634	Class 2 Inland
4-1	0.3	10321.07	0.237	5	1.98	2.75	5.45	0.39	4	Kupapaulua Gulch	20.012649	-155.296492	Class 2 Inland

Total= 1.174 ac
 Total Impervious Area= 0.117 ac
 Total= 1.88 CFS