

Form C Attachment A-2
Tables and Calculations

Table 1- DISCHARGE POINT INFORMATION & DISCHARGE QUANTITY

Outfall	Location	Latitude	Longitude	Class	C (weighted)	I (in/hr)	A (acres)	Q (cfs)
	1 Kaneohe Stream	21°23'08"	157°47'32"	2	0.95	2.05	0.024	0.05
	2 Kaneohe Stream	21°23'08"	157°47'32"	2	0.31	2.05	1.370	0.86
	3 Kamooalii Tributary	21°22'57"	157°47'40"	2	0.61	2.13	0.053	0.07
	4 Kamooalii Tributary	21°22'55"	157°47'43"	2	0.59	2.13	0.028	0.03
5 (from)	Kamooalii Tributary	21°22'57"	157°47'40"	2	0.30	2.13	0.062	0.04
6 (to)	Kamooalii Tributary	21°22'55"	157°47'43"					
Total:							1.54	1.05

Runoff Calculations

Area	Area Disturbed (sq. ft.)	Area Disturbed (ac)	C	I (in/hr)	Q (cfs)
1-1	1055	0.024	0.95	4.777	0.11
2-1	502	0.012	0.95	4.777	0.05
2-2	96	0.002	0.95	4.777	0.01
2-3	20845	0.479	0.30	4.777	0.69
2-4	17295	0.397	0.30	4.777	0.57
2-5	20953	0.481	0.30	4.777	0.69
3-1a	1210	0.028	0.30	4.964	0.04
3-1b	1094	0.025	0.95	4.964	0.12
4-1a	669	0.015	0.30	4.964	0.02
4-1b	542	0.012	0.95	4.964	0.06
5-1	2706	0.062	0.30	4.964	0.09

C = 0.95 (AC Pavement, Concrete Pavement)

C = 0.30 (Grass)

i = 2.05 in/hr (PBMP A) (2yr, 1hr event)

2.13 in/hr (PBMP B) (2yr, 1hr event)

tc = 10 min (minimum tc)

Cf = 2.33 (all)

I = i x Cf

2.05 in/hr x 2.33 = 4.777 in/hr (PBMP A)

2.13 in/hr x 2.33 = 4.964 in/hr (PBMP B)