

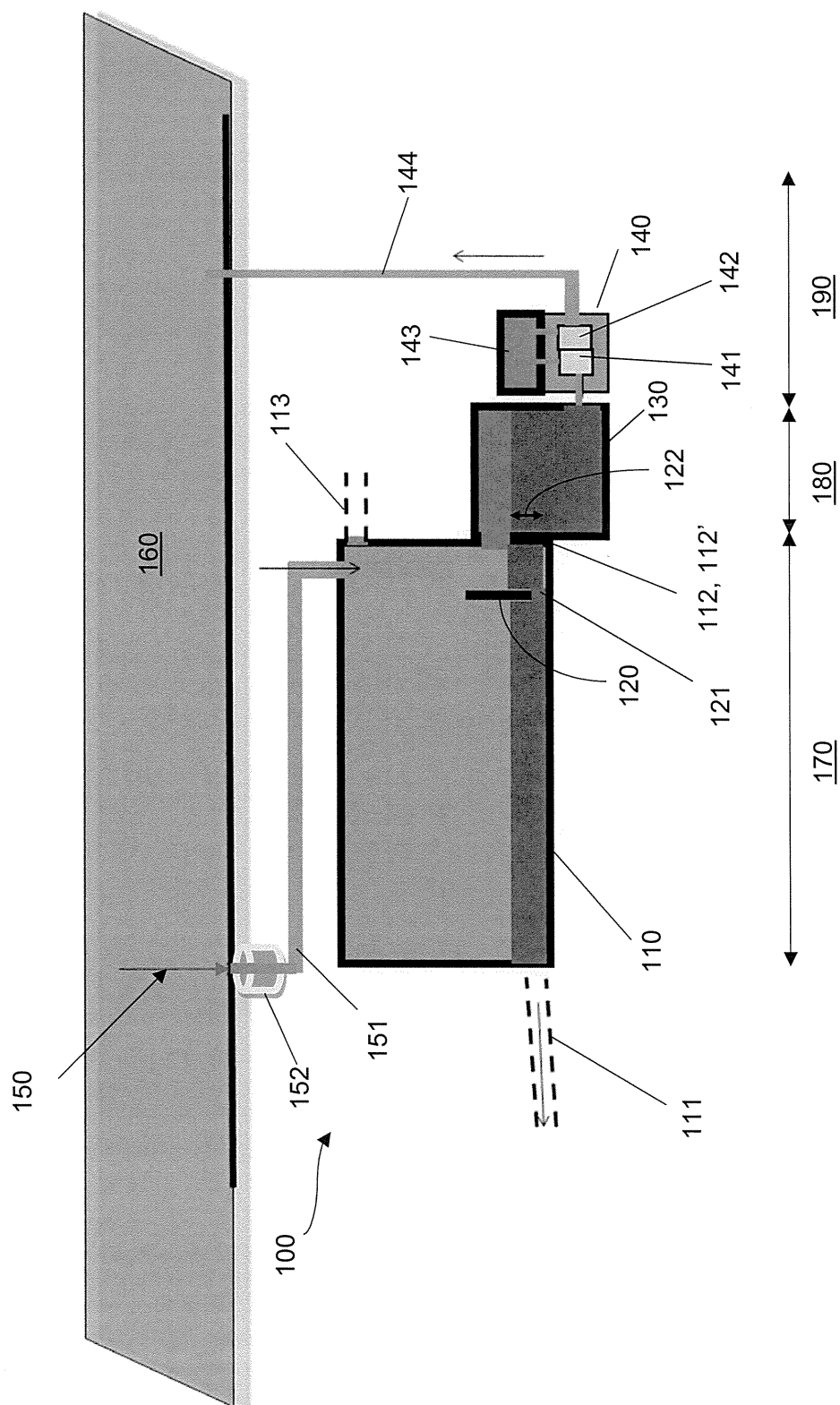


Figure 1

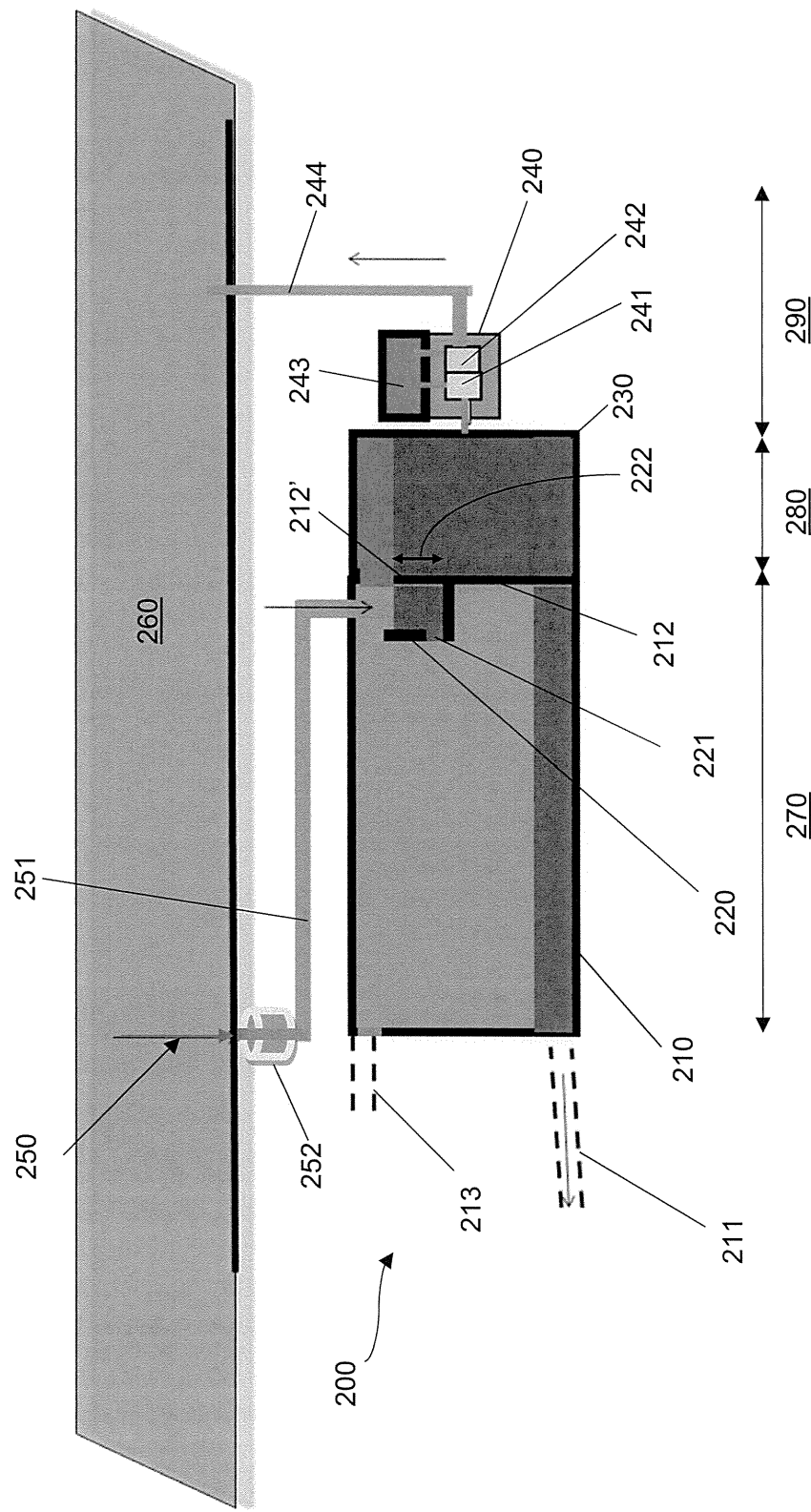


Figure 2

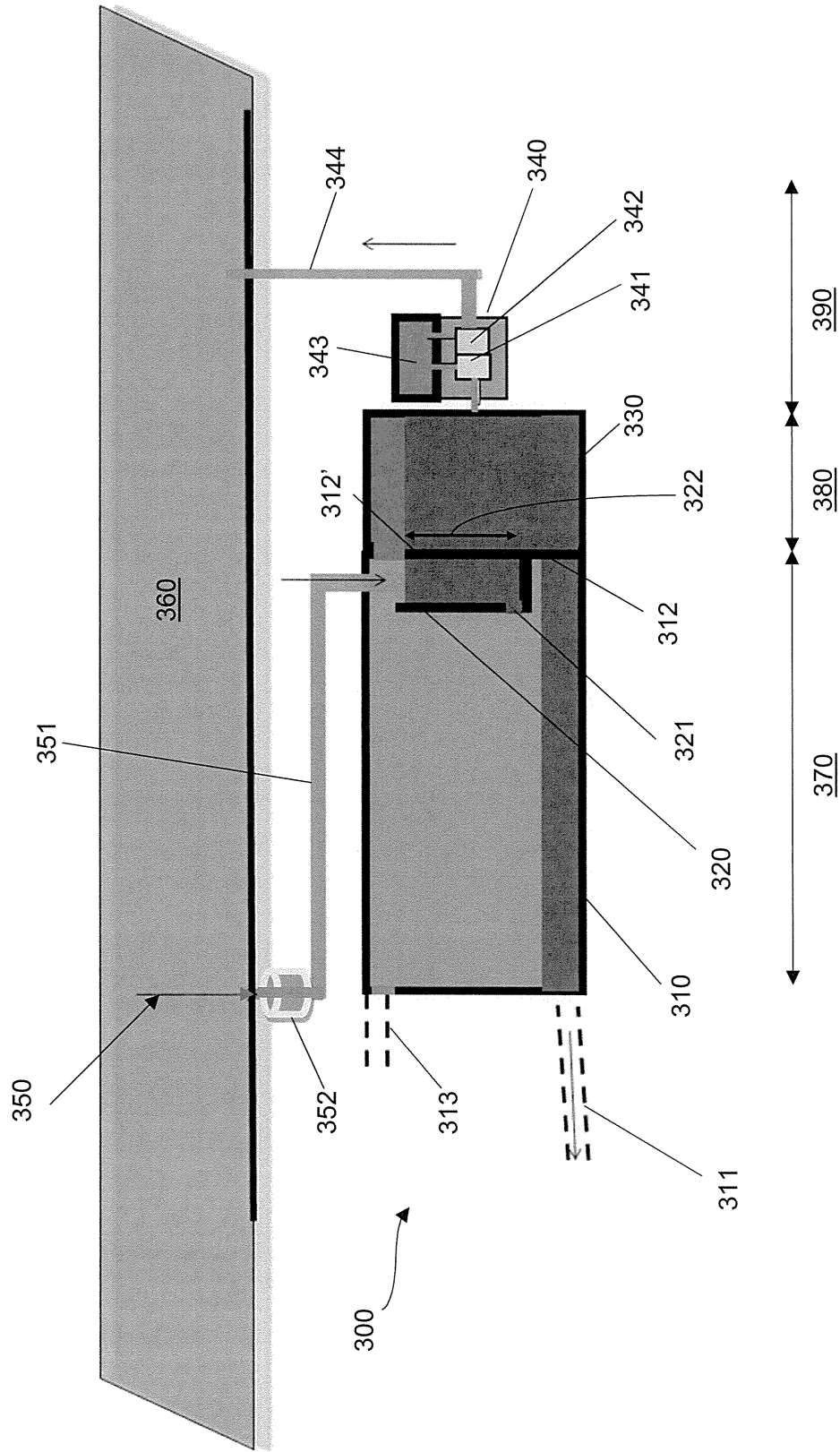


Figure 3

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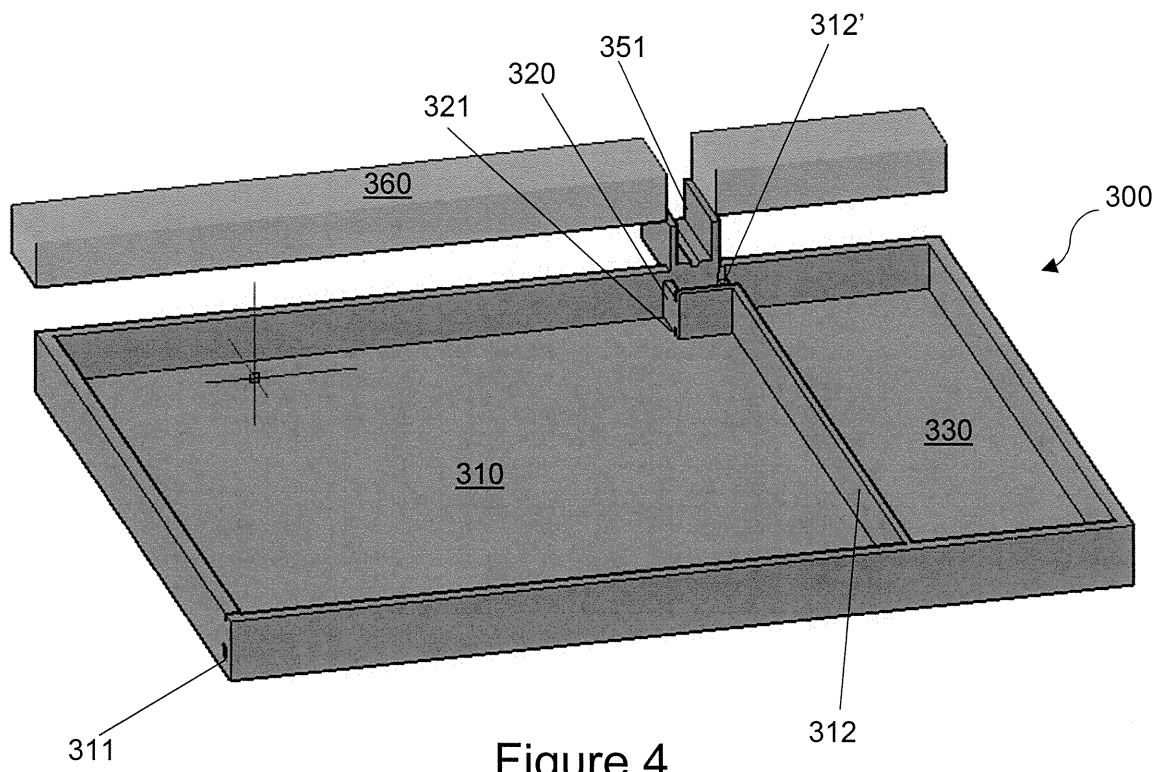


Figure 4

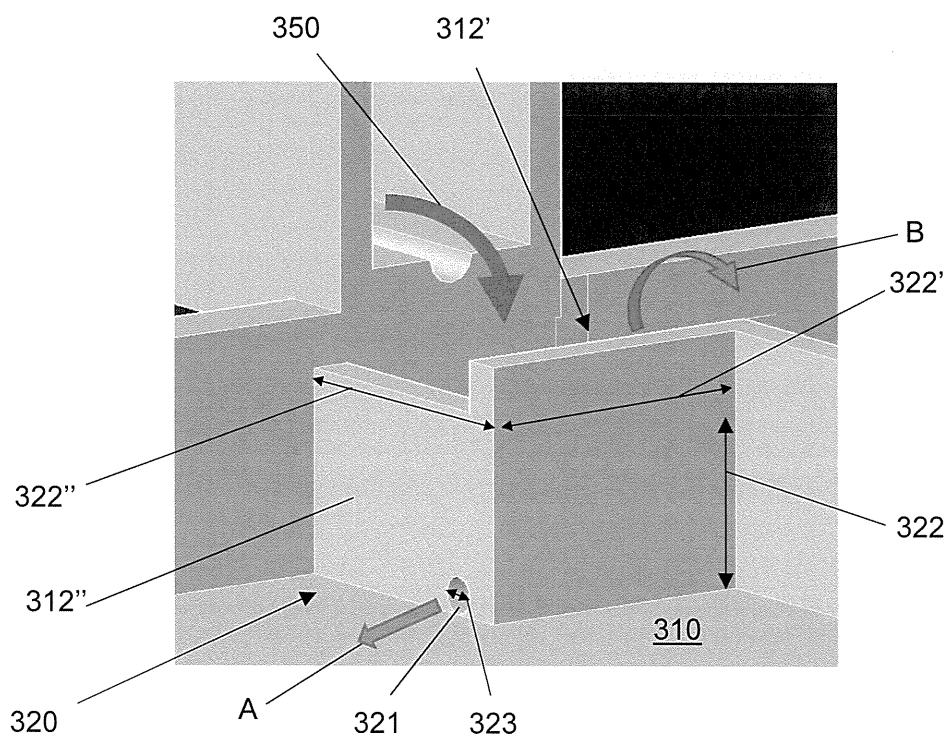


Figure 5

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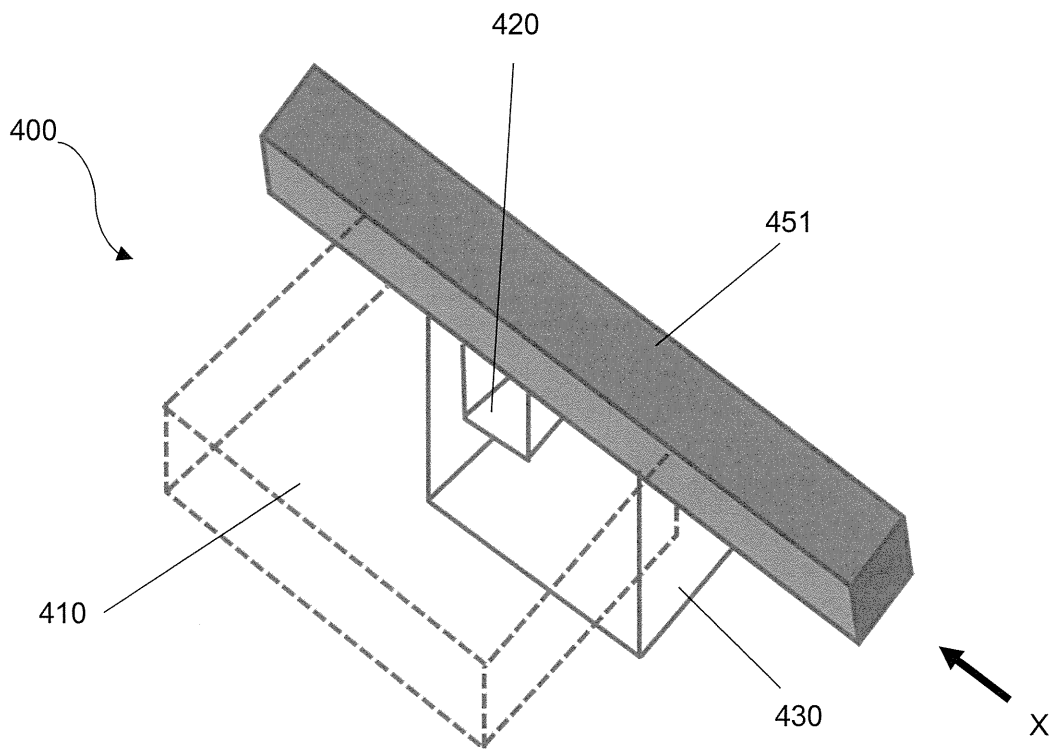


Figure 6A

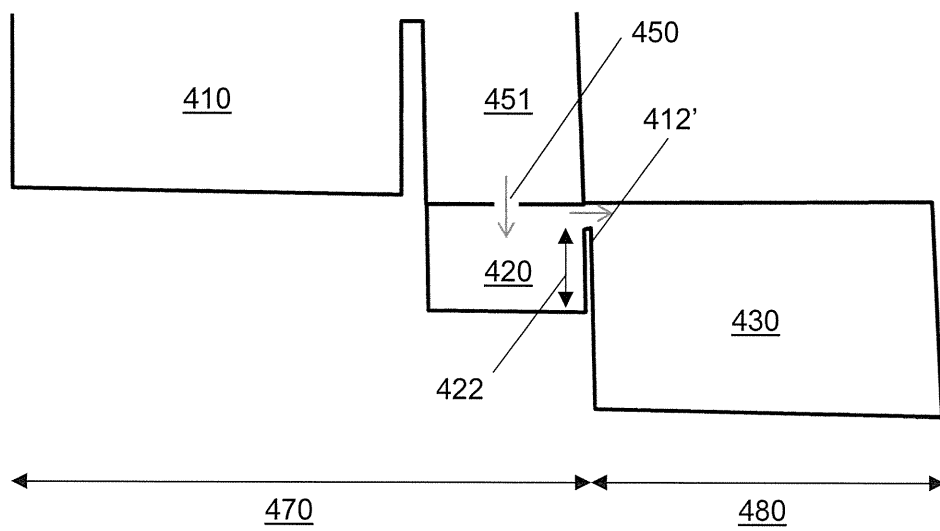


Figure 6B

Sample Label	Date/Time of Collection	In-Situ Measurement					Lab Analysis			
		Temp (deg C)	pH	DO (mg/L)	Turbidity (NTU)	COND (mS/cm)	TSS (mg/L)	TN (mg/L)	TOC (mg/L)	TP (mg/L)
S1_First Flush	21/04/2015 @ 1505	28.08	7.93	6.06	145	0.180	167	3.67	8.89	0.42
S2	21/04/2015 @ 1510	30.36	8.11	5.73	268	0.275	380	6.36	15.1	0.62
S3	21/04/2015 @ 1515	28.91	8.34	5.68	140	0.160	166	5.46	9.88	0.27
S4	21/04/2015 @ 1520	28.31	8.17	5.46	86.9	0.176	116	4.8	8.99	0.20
S5	21/04/2015 @ 1525	27.98	8.05	5.40	89.8	0.141	98.5	5.00	7.36	0.16
S6	21/04/2015 @ 1530	27.59	7.74	5.41	83.4	0.089	73.5	3.70	6.55	0.13

Figure 7A

Sample Label	Date/Time of Collection	In-Situ Measurement					Lab Analysis			
		Temp (deg C)	pH	DO (mg/L)	Turbidity (NTU)	COND (mS/cm)	TSS (mg/L)	TN (mg/L)	TOC (mg/L)	TP (mg/L)
S1_First Flush	16/05/2015 @ 1250	28.21	8.43	6.12	64.70	0.133	115.0	1.38	4.79	0.180
S2	16/05/2015 @ 1255	28.82	8.43	6.47	75.20	0.135	31.2	1.15	3.40	0.061
S3	16/05/2015 @ 1300	28.11	8.60	6.05	44.60	0.083	25.2	1.20	2.63	0.063
S4	16/05/2015 @ 1305	27.92	8.64	6.00	96.80	0.050	37.2	1.23	2.42	0.130
S5	16/05/2015 @ 1310	27.80	8.62	5.64	69.50	0.056	21.2	1.02	2.67	0.072
S6	16/05/2015 @ 1315	27.94	8.34	5.38	50.60	0.082	11.2	1.08	3.09	0.068

Figure 7B

Sample Label	Date/Time of Collection	In-Situ Measurement					Lab Analysis			
		Temp (deg C)	pH	DO (mg/L)	Turbidity (NTU)	COND (mS/cm)	TSS (mg/L)	TN (mg/L)	TOC (mg/L)	TP (mg/L)
S1_First Flush	06/06/2015 @ 1425	28.26	8.10	6.52	55.30	0.168	432.0	4.15	8.23	0.560
S2	06/06/2015 @ 1430	31.04	8.59	6.92	120.00	0.195	102.0	3.84	7.40	0.190
S3	06/06/2015 @ 1435	29.92	8.52	5.68	91.60	0.170	60.0	3.39	6.29	0.160
S4	06/06/2015 @ 1440	29.64	8.67	5.49	54.30	0.091	31.6	3.53	4.37	0.089
S5	06/06/2015 @ 1445	29.49	8.30	5.06	32.30	0.086	10.0	2.58	4.58	0.064
S6	06/06/2015 @ 1450	29.27	8.12	5.10	38.20	0.095	10.0	2.72	4.29	0.056

Figure 7C

Sample Label	Date/Time of Collection	In-Situ Measurement					Lab Analysis			
		Temp (deg C)	pH	DO (mg/L)	Turbidity (NTU)	COND (mS/cm)	TSS (mg/L)	TN (mg/L)	TOC (mg/L)	TP (mg/L)
S1_First Flush	04/07/2015 @ 0735	26.16	7.81	5.52	330.00	0.148	703.0	3.78	9.23	0.560
S2	04/07/2015 @ 0740	28.80	8.36	8.70	114.00	0.162	94.0	3.66	13.70	0.360
S3	04/07/2015 @ 0745	27.90	8.72	6.32	34.90	0.095	42.8	2.14	3.85	0.120
S4	04/07/2015 @ 0750	27.23	8.57	6.02	47.50	0.060	32.0	1.77	3.67	0.120
S5	04/07/2015 @ 0755	26.80	8.29	5.70	65.00	0.045	40.4	1.56	2.54	0.130
S6_Rain Water	04/07/2015 @ 0800	26.49	8.09	5.58	9.70	0.009	10.0	0.66	2.05	0.038

Figure 7D

Design Types	Sump Base Area	Sump Size	Weir Height	Orifice Dia.
	m ²	m x m	m	m
S1	1	1 x 1	0.3	0.2
S2	1	1 x 1	0.5	0.2
S3	1	1 x 1	0.7	0.2
S4	1	1 x 1	0.5	0.15
S5	1	1 x 1	0.5	0.25
S6	1	1 x 1	0.7	0.15
S7	1	1 x 1	0.8	0.15
S8	2	1 x 2	0.7	0.15
S9	4	2 x 2	0.7	0.15
S10	16	4 x 4	0.7	0.15
S11	25	5 x 5	0.7	0.15
S12	36	6 x 6	0.7	0.15

Figure 8A

Northshore/ Sub-Catchment	Catchment Area	Amt of Rainwater Collected (m ³)											
		S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
C1/1	0.75	6.1	2.3	0.2	13.3	0	10.2	9	10	9.4	4.8	0.9	0
C1/2	1.06	5.9	1.1	0	16.3	0	11.9	10.1	11.7	11.3	7.1	3.5	0
C1/3	1.19	10.7	4.3	0.6	22.9	0	18	16	17.9	17.4	13	9.2	4.2
C2/1	1.39	17.1	9.5	4.2	32	0	26.2	23.8	26	25.5	21.1	17.2	12.3
C2/2	0.65	0	0	0	0.9	0	0	0	0	0	0	0	0
C2/3	1.95	33.2	24.3	17.3	49.7	0	43.8	41.3	43.6	43	38.3	34.2	29
C6/1	1.15	10.2	3.8	0.3	22.7	0	17.7	15.6	17.5	17.1	12.8	9	4.2
C6/2	0.85	0.5	0	0	8	0	4.3	3	4.2	3.9	0.5	0	0
C7/1	1.65	31.2	22.3	15.4	47.5	0	41.6	39.1	41.4	40.9	36.2	32.2	27
C7/2	1.29	18.9	11.3	5.8	33.1	0	27.8	25.5	27.6	27.1	22.6	18.7	13.6

Figure 8B

Catchments		Catchment Area	Runoff Coefficient	Volume of Rainwater Collected (12.2mm Rainfall)									
Sizes	Sub-Catchm			S1	S2	S4	S6	S7	S8	S9	S10	S11	S12
	C2/2	0.65	63.24	0	0	0.9	0	0	0	0	0	0	0
< 1.1Ha	C1/1	0.75	61.53	6.1	2.3	13.3	10.2	9	10	9.4	4.8	0.9	0
	C6/2	0.85	66.31	0.5	0	8	4.3	3	4.2	3.9	0.5	0	0
	C1/2	1.06	69.32	5.9	1.1	16.3	11.9	10.1	11.7	11.3	7.1	3.5	0
1.1 to	C6/1	1.15	58.71	10.2	3.8	22.7	17.7	15.6	17.5	17.1	12.8	9	4.2
1.25 Ha	C1/3	1.19	61.86	10.7	4.3	22.9	18	16	17.9	17.4	13	9.2	4.2
1.25 to 1.6Ha	C7/2	1.29	68.38	18.9	11.3	33.1	27.8	25.5	27.6	27.1	22.6	18.7	13.6
	C2/1	1.39	63.64	17.1	9.5	32	26.2	23.8	26	25.5	21.1	17.2	12.3
> 1.6Ha	C7/1	1.65	64.23	31.2	22.3	47.5	41.6	39.1	41.4	40.9	36.2	32.2	27
	C2/3	1.95	67.20	33.2	24.3	49.7	43.8	41.3	43.6	43	38.3	34.2	29

Figure 8C

Catchments		Catchment Area	Runoff Coefficient	Ave Duration B4 1st Collection of Water for Area									
Sizes	Sub-Catchm			S1	S2	S4	S6	S7	S8	S9	S10	S11	S12
	C2/2	0.65	63.24	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
< 1.1Ha	C1/1	0.75	61.53	0:09	0:10	0:08	0:08	0:10	0:12	0:11	0:12	0:13	0:14
	C6/2	0.85	66.31										
	C1/2	1.06	69.32										
1.1 to	C6/1	1.15	58.71	0:07	0:09	0:06	0:07	0:08	0:08	0:08	0:10	0:10	0:12
1.25 Ha	C1/3	1.19	61.86										
1.25 to	C7/2	1.29	68.38	0:07	0:07	0:06	0:07	0:07	0:08	0:09	0:11	0:11	0:11
1.6Ha	C2/1	1.39	63.64										
> 1.6Ha	C7/1	1.65	64.23	0:06	0:06	0:06	0:06	0:06	0:08	0:08	0:10	0:11	0:12
	C2/3	1.95	67.20										

Figure 8D