

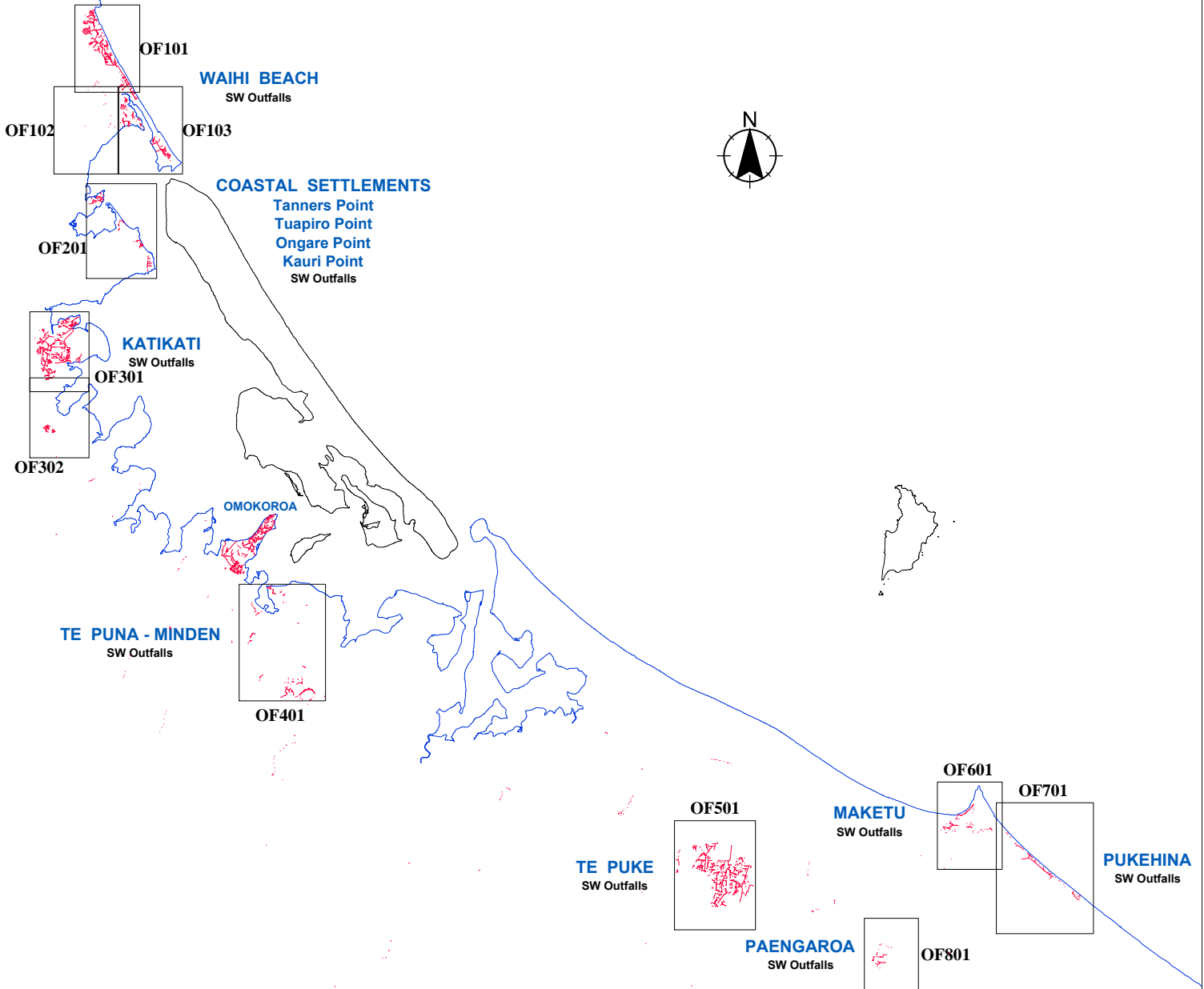
APPENDIX D

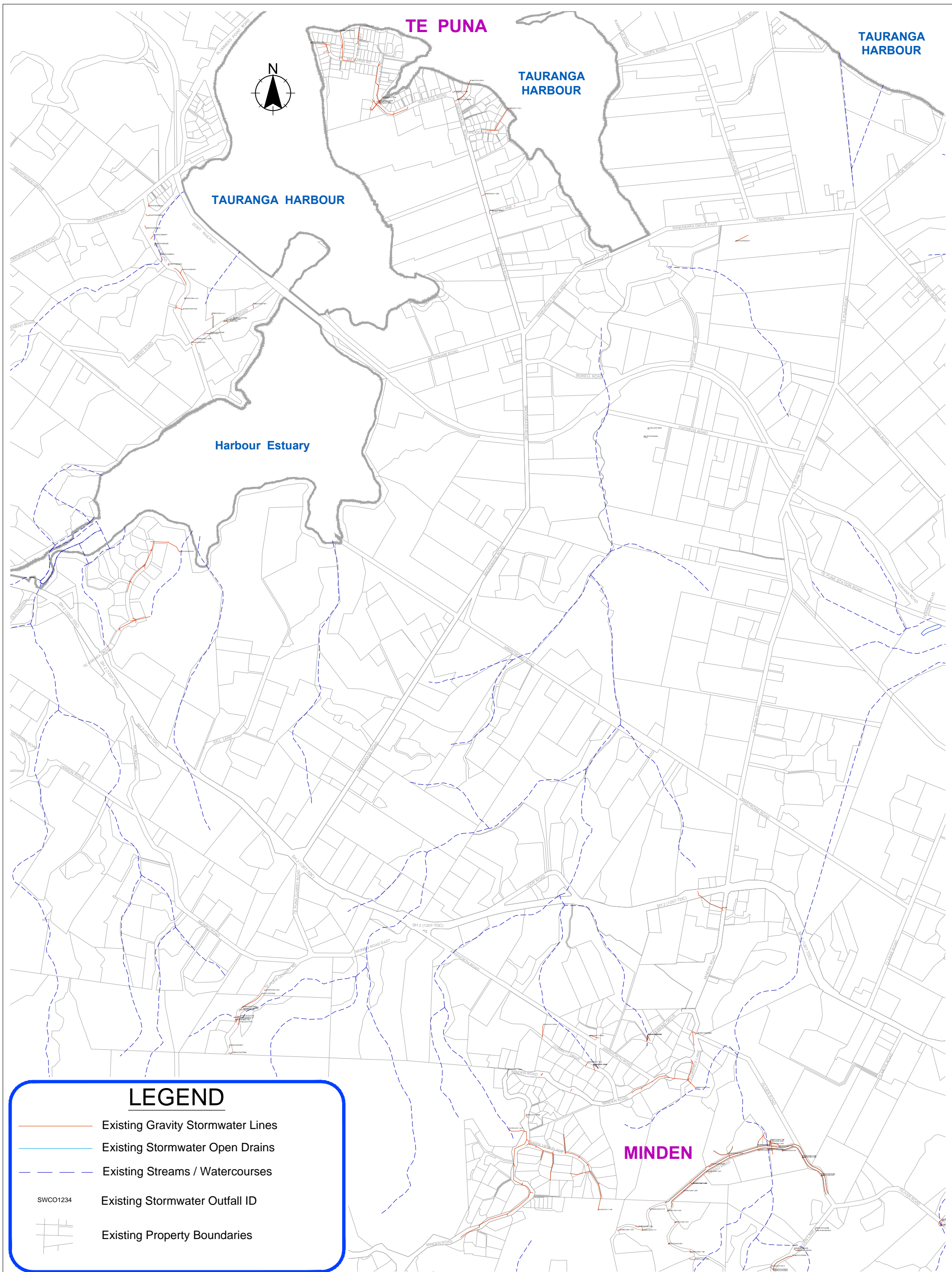
Overview of Discharge Points

WBOPDC STORMWATER OUTFALLS

Outfalls Layout Plans

Sheet Index





LEGEND

- Existing Gravity Stormwater Lines
- Existing Stormwater Open Drains
- - - Existing Streams / Watercourses
- SWCO1234 Existing Stormwater Outfall ID
- Existing Property Boundaries



Project **COMPREHENSIVE
STORMWATER MANAGEMENT
TE PUNA - MINDEN**

Sheet Title **STORMWATER OUTFALLS
LAYOUT PLAN**

Designed	Date	Scales:
Drawn F.C	Oct 2012	1:8,000 (A1)
Checked K.T-L	Oct 2012	1:16,000 (A3)
Approved K.T-L	Oct 2012	Original Size
		A1

spire
Spire New Zealand Ltd
102 Hamilton Street
Tauranga 3110
Phone 07 928 3410
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Discharge Points within WBOPDC

red - missing information in GIS System
further investigation required

Outlet ID	Street Address	Legal Description	ZONE	Coordinates N	Coordinates E	Catchment	Receiving Environment	Pipe ID	OD Ø [mm]	Grade [%]	Q(Pi) max flow based on grade [m3/s]	RC required?	Design flow based on ex. CP	Ex. Situation	Ex. CP #	Existing Erosion Control	Recommendation
SWCO0004	SNODGRASS ROAD	ROAD RESERVE	Road	5827230.932	1869651.945	TPN	discharge to land/soakage	SWPI3035	300	5.91	0.235	RC required	0			unknown	possible pond location?
SWCO0010	TE KARAKA DRIVE	LOT 1 DP 370416	RURH	5825083.131	1868333.492	TPN	discharge to stream/river	SWPI0712	600	0.00	0.000	no RC required	0				check system
SWCO0048	FLORENCE LANE	ROAD RESERVE	Road	5822794.023	1870793.303	TPN	discharge to land/soakage	SWPI3169	450	3.87	0.561	RC required	84		3	unknown	no treatment proposed
SWCO0049	26 PERKINS DRIVE	LOT 10 DPS 34526	RURRES	5822787.557	1870556.774	TPN	discharge to stream/river	SWPI3171	300	10.67	0.316	RC required	56		2	unknown	no treatment proposed
SWCO0091	PERKINS DRIVE	ROAD RESERVE	Road	5822909.988	1870717.398	TPN	discharge to land/soakage	SWPI3173	150	0.00	0.000	no RC required	28		1		check system
SWCO0092	26 PERKINS DRIVE	LOT 10 DPS 34526	RURRES	5822787.561	1870556.474	TPN	discharge to stream/river	SWPI3175	225	0.00	0.000	no RC required	0				check system
SWCO0098	PAPAROA ROAD	TEPUNA Z16 ML 20238	RURH	5825630.571	1870537.981	TPN	discharge to land/soakage	SWPI0722	300	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO0100	PAPAROA ROAD	TEPUNA Z16 ML 20238	RURH	5825669.499	1870556.582	TPN	discharge to land/soakage	SWPI0723	300	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO0115	69B HAKAO Road	LOT 8 DP 395332	RURG	5821859.2	1870423.46	TPN	discharge to land/soakage	SWPI5556	300	0.00	0.000	no RC required	0				check system
SWCO0116	68C HAKAO Road	LOT 7 DP 395332	RURG	5821875.43	1870513.78	TPN	discharge to land/soakage	SWPI5557	300	0.00	0.000	no RC required	0				check system
SWCO0117	69B HAKAO Road	LOT 8 DP 395332	RURG	5821857.94	1870531.57	TPN	discharge to land/soakage	SWPI5558	300	0.00	0.000	no RC required	0				check system
SWCO0118	69B HAKAO Road	LOT 8 DP 395332	RURG	5821754.19	1870760.07	TPN	discharge to land/soakage	SWPI5559	300	0.00	0.000	no RC required	0				check system
SWCO0119	69C HAKAO Road	LOT 5 DP 395332	RURG	5821719.75	1870779.6	TPN	discharge to land/soakage	SWPI5560	300	0.00	0.000	no RC required	0				check system
SWCO0120	69B HAKAO Road	LOT 8 DP 395332	RURG	5821793.21	1870654.52	TPN	discharge to land/soakage	SWPI5561	300	0.00	0.000	no RC required	0				check system
SWCO0121	69B HAKAO Road	LOT 8 DP 395332	RURG	5821896.25	1870684.85	TPN	discharge to land/soakage	SWPI5562	300	0.00	0.000	no RC required	0				check system
SWCO0122	69B HAKAO Road	LOT 8 DP 395332	RURG	5821956.9	1870572.21	TPN	discharge to land/soakage	SWPI5563	300	0.00	0.000	no RC required	0				check system
SWCO0123	69B HAKAO Road	LOT 8 DP 395332	RURG	5821950.26	1870649.49	TPN	discharge to land/soakage	SWPI5564	300	0.00	0.000	no RC required	0				check system
SWCO0124	HAKAO Road	ROAD RESERVE	Road	5822045.28	1870726.21	TPN	discharge to land/soakage	SWPI5565	300	0.00	0.000	no RC required	28	drain	1		check system
SWCO0125	28 FLORENCE LANE	LOT 1 DPS 87501	RURG	5822079.71	1870772.27	TPN	discharge to land/soakage	SWPI5566	300	0.00	0.000	no RC required	0				check system
SWCO0126	28 FLORENCE LANE	LOT 1 DPS 87501	RURG	5822079.96	1870772.58	TPN	discharge to land/soakage	SWPI5567	375	0.00	0.000	no RC required	0				check system
SWCO0127	HAKAO ROAD	LOT 5 DP 395331	RURG	5822136.5	1870839.31	TPN	discharge to land/soakage	SWPI5568	300	0.00	0.000	no RC required	0				check system
SWCO0128	HAKAO ROAD	ROAD RESERVE	Road	5822171.99	1870857.1	TPN	discharge to land/soakage	SWPI5570	375	0.00	0.000	no RC required	28	drain	1		check system
SWCO0129	HAKAO ROAD	LOT 3 DP 395331	RURG	5822222.84	1870942.75	TPN	discharge to land/soakage	SWPI5571	525	0.00	0.000	no RC required	0				check system
SWCO0130	HAKAO ROAD	LOT 4 DP 395331	RURG	5822237.77	1871083.56	TPN	discharge to land/soakage	SWPI5572	300	0.00	0.000	no RC required	0				check system
SWCO0131	HAKAO ROAD	LOT 3 DP 395331	RURG	5822262.66	1871078.65	TPN	discharge to stream/river	SWPI5573	300	0.00	0.000	no RC required	0				check system
SWCO0132	HAKAO ROAD	LOT 4 DP 395331	RURG	5822239.91	1871132.83	TPN	discharge to stream/river	SWPI5574	300	0.00	0.000	no RC required	0				check system
SWCO0133	HAKAO ROAD	LOT 2 DP 395331	RURG	5822268.76	1871135.78	TPN	discharge to stream/river	SWPI5575	300	0.00	0.000	no RC required	0				check system
SWCO0134	HAKAO ROAD	LOT 2 DP 395331	RURG	5822287.37	1871139.28	TPN	discharge to stream/river	SWPI5576	2100	0.57	13.091	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO0135	HAKAO Road	ROAD RESERVE	Road	5822256.92	1871181.98	TPN	discharge to land/soakage	SWPI5577	300	0.00	0.000	no RC required	28	drain	1		check system
SWCO0136	HAKAO ROAD	LOT 2 DP 395331	RURG	5822280.43	1871136.06	TPN	discharge to stream/river	SWPI5578	375	10.38	0.565	RC required	0	culvert		unknown	no treatment proposed
SWCO0137	HAKAO ROAD	LOT 1 DP 395331	RURG	5822235.82	1871195.26	TPN	discharge to land/soakage	SWPI5579	300	0.00	0.000	no RC required	0				check system
SWCO0138	HAKAO ROAD	LOT 1 DP 395331	RURG	5822205.38	1871290.34	TPN	discharge to land/soakage	SWPI5580	375	0.00	0.000	no RC required	0				check system
SWCO0139	HAKAO ROAD	LOT 1 DP 395331	RURG	5822204.72	1871290.71	TPN	discharge to land/soakage	SWPI5581	300	0.00	0.000	no RC required	0				check system
SWCO0140	OLIVER ROAD	ROAD RESERVE	Road	5822119.19	1871380.23	TPN	discharge to land/soakage	SWPI5582	375	0.00	0.000	no RC required	28		1		check system
SWCO0141	OLIVER ROAD	ROAD RESERVE	Road	5822118.51	1871380.01	TPN	discharge to land/soakage	SWPI5583	300	0.00	0.000	no RC required	28		1		check system
SWCO1131	MATAHIWI ROAD	TAURANGA HARBOUR	MARINE	5827503.206	1868954.407	TPN	discharge to estuary/harbour	SWPI3024	300	0.00	0.000	no RC required	112		4		check system
SWCO1132	MATAHIWI ROAD	LOT 30 DPS 5855	RES	5827580.037	1869188.405	TPN	discharge to estuary/harbour	SWPI3028	300	1.42	0.115	RC required	56		2	unknown	no treatment proposed
SWCO1133	WALLACE ROAD	ROAD RESERVE	Road	5827213.232	1869271.211	TPN	discharge to land/soakage	SWPI3029	300	10.80	0.318	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1134	WALLACE ROAD	ROAD RESERVE	Road	5827221.086	1869279.7	TPN	discharge to land/soakage	SWPI3030	225	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1135	58 WALLACE ROAD	LOT 6 DPS 7511	RES	5827240.798	1869295.802	TPN	discharge to estuary/harbour	SWPI3032	525	0.00	0.000	no RC required	476		17		check system
SWCO1136	WALLACE ROAD	ROAD RESERVE	Road	5827268.635	1869636.099	TPN	discharge to land/soakage	SWPI3034	300	0.39	0.060	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1137	LINDOCH AVENUE	LOT 24 DPS 27492	RES	5827189.223	1869891.163	TPN	discharge to estuary/harbour	SWPI3042	225	0.00	0.000	no RC required	224		8	bubble-up	check system
SWCO1138	SNODGRASS ROAD	ROAD RESERVE	Road	5826782.957	1869783.265	TPN	discharge to land/soakage	SWPI3043	300	4.93	0.215	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1139	SNODGRASS ROAD	ROAD RESERVE	Road	5826702.88	1869803.802	TPN	discharge to land/soakage	SWPI3044	225	2.31	0.068	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1146	MINDEN ROAD	LOT 1 DP 405891	MULTI	5821955.109	1870321.145	TPN	discharge to land/soakage	SWPI3081	300	0.00	0.000	no RC required	224		8		check system
SWCO1147	MINDEN ROAD	LOT 6 DP 339632	RURG	5822341.915	1869897.854	TPN	discharge to stream/river	SWPI3117	600	32.08	3.478	RC required	952		34	unknown	possible treatment in last MH
SWCO1148	MINDEN ROAD	ROAD RESERVE	Road	5822405.094	1869978.636	TPN	discharge to land/soakage	SWPI3118	300	6.27	0.242	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1149	190 MINDEN ROAD	LOT 1 DPS 58140	RURRES	5822620.749	1869892.641	TPN	discharge to land/soakage	SWPI3119	300	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1150	CORBETT DRIVE	ROAD RESERVE	Road	5822644.388	1870297.69	TPN	discharge to land/soakage	SWPI3123	600	9.52	1.895	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1151	CORBETT DRIVE	ROAD RESERVE	Road	5822644.891	1870298.306	TPN	discharge to land/soakage	SWPI3128	450	0.00	0.000	no RC required	84		3		check system
SWCO1152	5 MARUIA PLACE	LOT 8 DPS 31339	RURRES	5822782.137	1870280.009	TPN	discharge to land/soakage	SWPI3132	225	0.00	0.000	no RC required	0				check system
SWCO1153	#N/A	#N/A	#N/A	5822656.466	1870271.742	TPN	discharge to land/soakage	SWPI3135	300	28.65	0.518	RC required	56		2	unknown	no treatment proposed
SWCO1154	50 CORBETT DRIVE	LOT 1 DPS 92105	RURRES	5822835.083	1870059.501	TPN	discharge to land/soakage	SWPI3139	225	0.00	0.000	no RC required	0				check system
SWCO1155	27 FLORENCE LANE	LOT 3 DPS 34899	RURG	5822535.122	1870785.069	TPN	discharge to stream/river	SWPI3155	300	26.03	0.493	RC required	224		8	unknown	possible treatment in last MH
SWCO1245	ANDERSON LANE	ROAD RESERVE	Road	5826323.744	1867157.229	TPN	discharge to land/soakage	SWPI4043	0	0.00	#DIV/0!	#DIV/0!	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1247	OLIVER ROAD	ROAD RESERVE	Road	5821907.727	1871956.465	TPN	discharge to stream/river	SWPI4044	1050	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1248	WALDEN LANE	ROAD RESERVE	Road	5821867.235	1871351.104	TPN	discharge to land/soakage	SWPI4047	300	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1249	WALDEN LANE	ROAD RESERVE	Road	5821771.209	1871251.67	TPN	discharge to land/soakage	SWPI4050	525	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1250	WALDEN LANE	ROAD RESERVE	Road	5821737.299	1871243.297	TPN	discharge to land/soakage	SWPI4046	0	0.00	#DIV/0!	#DIV/0!	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1251	WALDEN LANE	ROAD RESERVE	Road	5821686.684	1871141.258	TPN	discharge to land/soakage	SWPI4048	100	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1255	CRAWFORD ROAD	ROAD RESERVE	Road	5819205.627	1869822.296	TPN	discharge to stream/river	SWOD0472	0	0.00	#DIV/0!	#DIV/0!	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1257	CRAWFORD ROAD	ROAD RESERVE	Road	5819203.967	1869820.233	TPN	discharge to stream/river	SWOD0471	0	0.00	#DIV/0!	#DIV/0!	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1259	CRAWFORD ROAD	ROAD RESERVE	Road	5819083.328	1869647.123	TPN	discharge to land/soakage	SWOD0470	0	0.00	#DIV/0!	#DIV/0!	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO1261	CRAWFORD ROAD	PTLOT 4 DP 15898	RURG	5818811.088	1869345.074	TPN	discharge to land/so										

Discharge Points within WBOPDC

red - missing information in GIS System
further investigation required

Outlet ID	Street Address	Legal Description	ZONE	Coordinates N	Coordinates E	Catchment	Receiving Environment	Pipe ID	OD Ø [mm]	Grade [%]	Q(Pi) max flow based on grade [m3/s]	RC required?	Design flow based on ex. CP	Ex. Situation	Ex. CP #	Existing Erosion Control	Recommendation
SWCO1336	WALLACE ROAD	ROAD RESERVE	Road	5827217.432	1869268.077	TPN	discharge to land/soakage	SWPI3517	225	0.00	0.000	no RC required	224		8		check system
SWCO1351	#N/A	#N/A	#N/A	5827321.059	1869711.931	TPN		SWPI4366	300	0.88	0.091	no RC required	0	no record			no record
SWCO2639	WHAKAMARAMA ROAD	ROAD RESERVE	Road	5820042.01	1863456.718	TPN	discharge to land/soakage	SWPI3971	300	1.60	0.122	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2640	WHAKAMARAMA ROAD	ROAD RESERVE	Road	5820287.323	1863559.782	TPN	discharge to land/soakage	SWPI3972	300	0.86	0.090	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2641	WHAKAMARAMA ROAD	ROAD RESERVE	Road	5820454.007	1863673.279	TPN	discharge to land/soakage	SWPI3973	300	5.04	0.217	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2642	WHAKAMARAMA ROAD	ROAD RESERVE	Road	5820726.934	1863650.924	TPN	discharge to land/soakage	SWPI3974	300	2.02	0.137	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2643	WHAKAMARAMA ROAD	ROAD RESERVE	Road	5820999.509	1863720.323	TPN	discharge to land/soakage	SWPI3975	300	0.08	0.027	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2644	WHAKAMARAMA ROAD	ROAD RESERVE	Road	5821154.518	1863792.214	TPN	discharge to land/soakage	SWPI3976	300	3.65	0.185	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2747	CRAWFORD ROAD	ROAD RESERVE	road	5819865.481	1870378.459	TPN	discharge to land/soakage	SWPI4673	300	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2748	CRAWFORD ROAD	ROAD RESERVE	road	5819511.418	1870392.131	TPN	discharge to land/soakage	SWPI4674	300	7.43	0.264	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2749	CRAWFORD ROAD	ROAD RESERVE	road	5819488.212	1870280.088	TPN	discharge to land/soakage	SWPI4675	300	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2750	CRAWFORD ROAD	PTLOT 1 DPS 78660	RURG	5819395.827	1869936.771	TPN	discharge to stream/river	SWPI4677	300	33.58	0.560	RC required	0			unknown	check system
SWCO2751	JESS ROAD	ROAD RESERVE	road	5826285.685	1868356.324	TPN	discharge to land/soakage	SWPI4678	300	0.39	0.060	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2752	53 JESS ROAD	LOT 2 DPS 70675	RURH	5826235.913	1868349.913	TPN	discharge to land/soakage	SWPI4683	300	0.00	0.000	no RC required	0				check system
SWCO2753	JESS ROAD	ROAD RESERVE	road	5826075.997	1868388.691	TPN	discharge to land/soakage	SWPI4684	300	0.71	0.081	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2754	JESS ROAD	ROAD RESERVE	road	5826093.991	1868414.577	TPN	discharge to land/soakage	SWPI4685	300	1.44	0.116	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2755	JESS ROAD	ROAD RESERVE	road	5826117.987	1868451.52	TPN	discharge to land/soakage	SWPI4686	300	0.13	0.035	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2756	JESS ROAD	ROAD RESERVE	road	5826123.416	1868479.128	TPN	discharge to land/soakage	SWPI4687	300	0.26	0.049	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2757	99 JESS ROAD	LOT 1 DPS 70675	RURH	5826214.554	1868485.491	TPN	discharge to land/soakage	SWPI4689	300	1.17	0.105	no RC required	0	culvert			no treatment proposed
SWCO2758	JESS ROAD	ROAD RESERVE	road	5826185.753	1868556.323	TPN	discharge to land/soakage	SWPI4690	300	0.33	0.056	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2759	JESS ROAD	ROAD RESERVE	road	5826178.145	1868542.357	TPN	discharge to land/soakage	SWPI4691	300	0.13	0.035	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2760	JESS ROAD	ROAD RESERVE	road	5826189.686	1868586.855	TPN	discharge to land/soakage	SWPI4692	300	0.39	0.060	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2761	JESS ROAD	ROAD RESERVE	road	5826259.997	1868681.657	TPN	discharge to land/soakage	SWPI4694	300	0.67	0.079	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2763	#N/A	#N/A	#N/A	#N/A	#N/A	TPN		SWPI4715	0	0.00	#DIV/0!	#DIV/0!	0	no record			no record
SWCO2764	TE PUNA QUARRY ROAD	ROAD RESERVE	road	5822981.87	1868720.66	TPN	discharge to land/soakage	SWPI4748	150	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2765	TE PUNA QUARRY ROAD	ROAD RESERVE	road	5822999.073	1868741.78	TPN	discharge to land/soakage	SWPI4749	225	1.20	0.049	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2766	93 TE PUNA QUARRY ROAD	LOT 1 DPS 75792	RURG	5822701.81	1868583.819	TPN	discharge to land/soakage	SWPI4750	600	12.23	2.147	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2767	TE PUNA QUARRY ROAD	ROAD RESERVE	road	5822736.418	1868568.749	TPN	discharge to land/soakage	SWPI4751	225	6.73	0.116	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2768	TE PUNA QUARRY ROAD	ROAD RESERVE	road	5822909.568	1868623.151	TPN	discharge to land/soakage	SWPI4752	300	0.70	0.081	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2769	TE PUNA QUARRY ROAD	ROAD RESERVE	road	5822919.925	1868632.134	TPN	discharge to land/soakage	SWPI4753	300	1.47	0.117	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2770	TE PUNA QUARRY ROAD	ROAD RESERVE	road	5822910.806	1868640.284	TPN	discharge to land/soakage	SWPI4755	300	10.80	0.318	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2771	TE PUNA QUARRY ROAD	ROAD RESERVE	road	5822846.984	1868614.426	TPN	discharge to land/soakage	SWPI4756	225	10.28	0.144	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2772	TE PUNA QUARRY ROAD	ROAD RESERVE	road	5822866.162	1868617.482	TPN	discharge to land/soakage	SWPI4757	300	9.83	0.303	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2773	TE PUNA QUARRY ROAD	ROAD RESERVE	road	5822864.57	1868605	TPN	discharge to land/soakage	SWPI4758	300	10.69	0.316	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2774	TE PUNA QUARRY ROAD	ROAD RESERVE	road	5822863.146	1868599.546	TPN	discharge to land/soakage	SWPI4760	300	2.86	0.164	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2775	TE PUNA QUARRY ROAD	ROAD RESERVE	road	5822876.384	1868620.605	TPN	discharge to stream/river	SWPI4763	375	8.82	0.521	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2823	JESS ROAD	ROAD RESERVE	road	5826422.858	1868342.729	TPN	discharge to land/soakage	SWPI4986	300	5.99	0.237	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2824	JESS ROAD	ROAD RESERVE	road	5826448.617	1868277.816	TPN	discharge to land/soakage	SWPI4987	300	3.73	0.187	RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2825	JESS ROAD	ROAD RESERVE	road	5826495.635	1868240.756	TPN	discharge to stream/river	SWPI4988	300	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2826	JESS ROAD	ROAD RESERVE	road	5826545.982	1868213.966	TPN	discharge to stream/river	SWPI4989	300	0.64	0.077	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2827	JESS ROAD	ROAD RESERVE	road	5826588.26	1868209.063	TPN	discharge to stream/river	SWPI4990	300	0.40	0.061	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2828	JESS ROAD	ROAD RESERVE	road	5826620.225	1868176.079	TPN	discharge to land/soakage	SWPI4991	300	3.13	0.171	RC required	28		1	unknown	no treatment proposed
SWCO2829	JESS ROAD	ROAD RESERVE	road	5826680.952	1868187.446	TPN	discharge to land/soakage	SWPI4993	300	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWCO2830	JESS ROAD	ROAD RESERVE	road	5826725.88	1868187.551	TPN	discharge to land/soakage	SWPI4995	300	0.00	0.000	no RC required	#VALUE!	road culvert	-	unknown	no treatment proposed
SWHW0005	580 OLD HIGHWAY	LOT 2 DPS 80278	RURG	5824654.175	1867165.86	TPN	discharge to land/soakage	SWPI3513	600	10.39	1.979	RC required	0			yes	
SWHW0007	TANGITU ROAD	LOT 1 DPS 111	RURH	5826559.231	1870973.369	TPN	discharge to land/soakage	SWPI4359	300	0.50	0.068	no RC required	28		1		no treatment proposed
SWHW0055	52 WALDEN LANE	LOT 7 DPS 72460	RURG	5821490.058	1871065.799	TPN	discharge to stream/river	SWPI4049	375	0.00	0.000	no RC required	0	culvert			check system