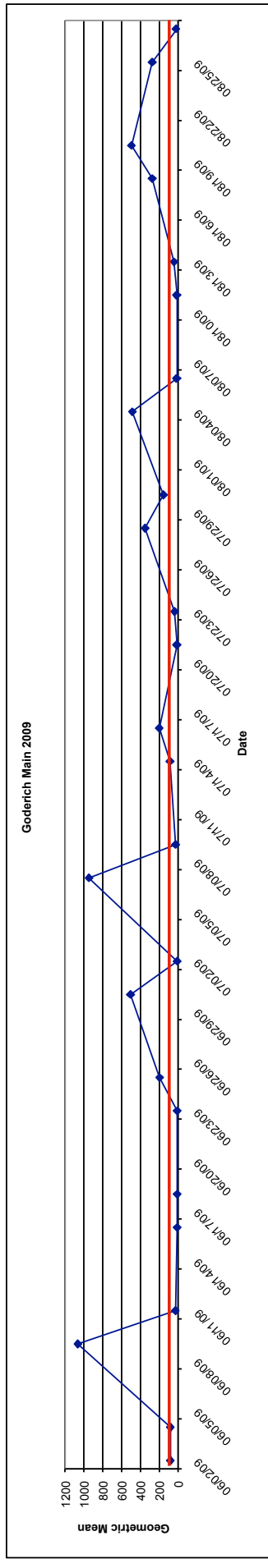


Goderich Main Beach 2009

Date	Site 1	Site 2	Site 3	Site 4	Site 5	Geo Mean	Water Temp	Water Clarity	Wave Height	Wind	Sunlight	Air Temp	Rainfall 24Hrs	Rainfall 48Hrs	Rain Level	Bird Count	Notes	Date	Geo Mean
2-Jun-09	60	60	120	20	410	81		Clear	Calm	NE	Overcast	9	Yes	No	L	250	Birds are gulls	2-Jun-09	81
4-Jun-09	20	30	160	200	200	83		Clear	Calm	NW	Clear	8	No	No	L	3	Birds are gulls and there is straw along shoreline	4-Jun-09	83
9-Jun-09	900	2200	5500	60	2100	1065	10	Turbid	Rough	SW	Partly Cloudy	11	Yes	No	L	4	Birds are gulls	9-Jun-09	1065
11-Jun-09	10	440	10	10	20	28	9	Clear	Calm	E	Overcast	14	No	No	3	Birds are gulls	11-Jun-09	28	
16-Jun-09	10	10	10	10	10	9	9	Clear	Calm	E	Clear	17	No	No	70+	Birds are gulls	16-Jun-09	10	
18-Jun-09	20	10	10	10	10	11	9	Clear	Calm	W	Partly Cloudy	15	Yes	H	1	Bird is a gull	18-Jun-09	11	
23-Jun-09	20	10	10	10	10	11	11	Clear	Calm	W	Clear	20	No	No	45	Birds are gulls	23-Jun-09	11	
25-Jun-09	510	270	70	190	160	197	14	Clear	Calm	NW	Overcast	22	Yes	H	10	Birds are gulls. Yellow film on top of water. 2 dead fish on beach.	25-Jun-09	197	
30-Jun-09	170	840	700	640	520	506		Turbid	Ripples	NW	Partly Cloudy	15	Yes	H	210	200 birds are geese. 10 birds were gulls. Algae and straw all along shore	30-Jun-09	506	
2-Jul-09	10	10	10	10	10	14	14	Clear	Calm	W	Overcast	16	No	No	5	2 birds are geese and 3 birds were gulls	2-Jul-09	10	
7-Jul-09	20	4500	4800	1600	980	947		Slightly Turbid	Ripples	NE	Partly Cloudy	12	Yes	No	180	150 birds are gulls and 30 were geese. 1 dead fish along beach	7-Jul-09	947	
9-Jul-09	10	60	20	20	27	17	17	Clear	Calm	SE	Clear	18	No	No	110	10 birds are geese and 700 were gulls	9-Jul-09	17	
14-Jul-09	90	250	240	30	30	87	18	Clear	Calm	NW	Clear	15	No	No	519	119 birds are geese and 400 are gulls	14-Jul-09	87	
16-Jul-09	290	510	100	80	270	200	17	Slightly Turbid	Ripples	W	Overcast	18	No	No	50	50 birds are geese and 100 were gulls	16-Jul-09	200	
21-Jul-09	30	10	10	10	10	16	18	Clear	Calm	E	Clear	18	Yes	H	100	Birds are gulls	21-Jul-09	16	
23-Jul-09	280	60	10	10	40	37	21	Clear	Calm	E	Partly Cloudy	18	Yes	H	28	Birds are gulls. 2 dead gulls on beach	23-Jul-09	37	
28-Jul-09	330	460	340	190	190	350	20	Turbid	Rough	SW	Partly Cloudy	22	No	No	30	Birds are gulls	28-Jul-09	350	
30-Jul-09	390	130	160	50	190	184	20	Slightly Turbid	Ripples	SE	Clear	14	No	No	30	Birds are gulls	30-Jul-09	184	
4-Aug-09	1100	540	460	470	210	485	20	Opaque	Rough	SW	Overcast	22	No	No	57	Birds are gulls. The water was black in colour	4-Aug-09	485	
6-Aug-09	10	20	10	50	20	18	16	Clear	Calm	NW	Partly Cloudy	12	No	No	55	55 birds are gulls and 29 were geese	6-Aug-09	18	
11-Aug-09	20	70	20	10	10	19	20	Clear	Calm	N	Overcast	19	Yes	No	84	Birds are gulls. Straw and algae along beach	11-Aug-09	19	
13-Aug-09	90	40	30	30	40	42	21	Clear	Calm	NW	Clear	17	No	No	47	Birds are gulls. Straw and algae along beach	13-Aug-09	42	
18-Aug-09	260	270	310	220	330	275	24	Slightly Turbid	>1m	W	Overcast	22	Yes	No	32	Birds are gulls	18-Aug-09	275	
20-Aug-09	520	390	430	810	420	495	25	Turbid	>1m	S	Overcast	23	No	No	98	89 birds are gulls and 9 were geese. Water was black. Straw and algae along beach	20-Aug-09	495	
25-Aug-09	200	230	190	460	400	276	20	Turbid	Rough	SW	Overcast	16	No	No	74	51 birds are gulls and 23 birds were geese	25-Aug-09	276	
27-Aug-09	30	20	10	30	30	22	20	Clear	Calm	E	Overcast	14	No	No	86	78 birds are gulls and 8 were geese	27-Aug-09	22	
Total																			79

Rainfall values Determined by Environment Canada	
Heavy	H > 0.75 cm per hour
Moderate	M 0.26 - 0.75 cm per hour
Light	L 0.0 - 0.25 cm per hour

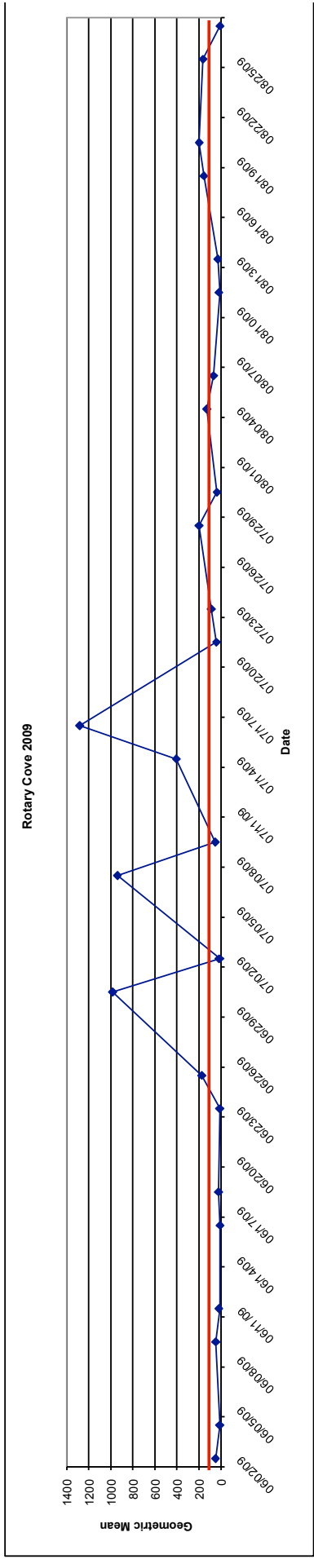
Legend	
Water Clarity	Water Height
Clear--- 100cm	Calm 0-5cm
Slightly Turbid ----40-99cm	Ripples 5-29cm
Turbid ---1-39cm	Rough 30cm-99cm
Opaque 0cm	> 1m--> 1m



Rotary Cove 2009

Date	Site 1	Site 2	Site 3	Site 4	Site 5	Geo Mean	Water Temp	Water Clarity	Wave Height	Wind	Sunlight	Air Temp	Rainfall 24Hrs	Rainfall 48Hrs	Rainfall Level	Bird Count	Notes	Date	Geo Mean
2-Jun-09	20	70	50	140	30	49		Slightly Turbid	Ripples	NE	Clear	9	Yes	L	100+	Birds are geese	2-Jun-09	49	
4-Jun-09	20	10	10	20	10	13	9	Slightly Turbid	Calm	NW	Clear	8	No	No	76	11 birds were gulls and 165 were geese. 1 dead fish on shore. Straw on shoreline.	4-Jun-09	13	
9-Jun-09	410	80	80	10	48	48	10	Slightly Turbid	Rough	SW	Partly Cloudy	11	Yes	L	53	42 birds are geese and 11 were gulls	9-Jun-09	48	
11-Jun-09	50	30	20	10	10	20	10	Clear	Calm	E	Clear	11	No	No	26	25 birds were gulls and 1 was a goose. 1 dead gull. Algae on shoreline.	11-Jun-09	20	
16-Jun-09	10	10	10	10	10	10	8	Clear	Calm	E	Clear	17	No	No	50	Birds are gulls	16-Jun-09	10	
18-Jun-09	30	10	30	10	80	24	9	Clear	Ripples	N	Partly Cloudy	15	Yes	H	50	Birds are gulls. 2 dead fish (1 in water and 1 on shore)	18-Jun-09	24	
23-Jun-09	10	10	20	20	13	14	14	Clear	Calm	W	Clear	21	No	No	162	102 birds were geese and 60 were gulls. Algae along shore.	23-Jun-09	14	
25-Jun-09	100	140	370	220	174	174	16	Clear	Ripples	NW	Overcast	22	No	H	50	Birds are gulls	25-Jun-09	174	
30-Jun-09	1300	1100	700	840	1100	985	16	turbid	Rough	NW	Partly Cloudy	15	Yes	H	5	Birds are gulls. Straw and algae along beach	30-Jun-09	985	
2-Jul-09	30	30	10	30	10	18	16	Slightly Turbid	Calm	W	Overcast	16	No	No	250	100 birds were geese and 150 birds are gulls	2-Jul-09	18	
7-Jul-09	1600	1700	850	740	430	940	12	Turbid	>1m	NE	Partly Cloudy	12	Yes	H	50	Birds are gulls. Straw and algae all along shore.	7-Jul-09	940	
9-Jul-09	30	40	50	160	40	51	17	Slightly Turbid	Calm	SE	Clear	19	No	No	113	60 birds were gulls and 55 were geese.	9-Jul-09	51	
14-Jul-09	290	340	2300	480	100	405	17	Slightly Turbid	Rough	NW	Clear	15	No	No	200	Birds are gulls	14-Jul-09	405	
16-Jul-09	920	2300	780	1500	1400	1282	20	Turbid	Rough	W	Overcast	18	No	No	100	Birds are gulls	16-Jul-09	1282	
21-Jul-09	30	100	50	90	10	42	20	Clear	Calm	E	Clear	18	Yes	H	30	Birds are gulls	21-Jul-09	42	
23-Jul-09	290	100	80	50	50	90	19	Clear	calm	E	Partly Cloudy	18	Yes	H	29	13 birds are geese and 16 were gulls. Algae and straw all along shoreline	23-Jul-09	90	
28-Jul-09	660	330	260	80	70	200	19	turbid	calm	SW	Partly Cloudy	22	No	H	58	34 birds are geese and 24 were gulls	28-Jul-09	200	
30-Jul-09	60	80	50	10	30	37	19	Slightly Turbid	Calm	SE	Overcast	14	No	No	139	113 birds are geese and 46 are gulls	30-Jul-09	37	
4-Aug-09	100	150	100	340	70	129	20	Turbid	Ripples	SW	Overcast	22	No	No	53	Birds are gulls	4-Aug-09	129	
6-Aug-09	50	40	40	110	170	68	19	Slightly Turbid	Ripples	NW	Partly Cloudy	12	No	No	101	50 birds are geese and 51 were gulls. Algae and straw along beach. Water was black	6-Aug-09	68	
11-Aug-09	30	50	20	10	20	20	21	Clear	Calm	N	Overcast	19	Yes	No	22	Birds are gulls. Straw and algae along beach	11-Aug-09	20	
13-Aug-09	20	10	20	80	100	30	21	Clear	Calm	NW	Clear	20	No	No	25	Birds are gulls. Straw and algae along beach. Water was black.	13-Aug-09	30	
18-Aug-09	440	320	120	70	80	167	22	Turbid	Ripples	W	Partly Cloudy	22	Yes	No	34	Birds are gulls	18-Aug-09	167	
20-Aug-09	230	420	300	80	130	198	24	turbid	Ripples	S	Partly Cloudy	23	No	No	0	Birds are gulls	20-Aug-09	198	
25-Aug-09	560	220	330	70	40	163	21	Clear	Ripples	SW	Clear	16	No	No	38	Birds are gulls. Water was black and straw and algae all along beach.	25-Aug-09	163	
27-Aug-09	10	10	10	10	10	10	17	Clear	Calm	E	Overcast	14	No	No	21	Birds are gulls. Straw and algae all along beach.	27-Aug-09	10	
Total																			70

Rainfall values Determined by Environment Canada		Legend	
Heavy	H > 0.75 cm per hour	Water Clarity	Wave Height
Moderate	M 0.26 - 0.75 cm per hour	Clear--- 100cm	Calm 0-5cm
Light	L 0.0 - 0.25 cm per hour	Slightly Turbid ---40-99cm	Ripples 5-29cm
		Turbid---1-39cm	Rough 30cm-99cm
		Opaque 0cm	> 1m---> 1m



St. Christopher's Beach 2009

Date	Site 1	Site 2	Site 3	Site 4	Site 5	Geo Mean	Water Temp	Water Clarity	Wave Height	Wind	Sunlight	Air Temp	Rainfall 24Hrs	Rainfall 48Hrs	Rain Level	Bird Count	Notes	Date	Geo Mean
2-Jun-09	20	60	80	90	40	51		Clear	Ripples	NE	Overcast	9	Yes	No	L	2	Birds are gulls	2-Jun-09	51
4-Jun-09	70	10	40	40	10	26	9	Clear	Calm	NW	Clear	8	No	No		10	Birds are geese, straw along shoreline. Dead fish on shore.	4-Jun-09	26
9-Jun-09	40	90	700	90	70	110	10	Turbid	Rough	SW	Partly Cloudy	10	Yes	No	L	29	Birds are Geese	9-Jun-09	110
11-Jun-09	20	20	10	50	30	23	9	Clear	Calm	E	Overcast	14	No	No		60	59 birds were geese and 1 was a gull	11-Jun-09	23
16-Jun-09	10	10	10	10	10	8	8	Clear	Calm	E	Clear	17	No	No		5	Birds are gulls	16-Jun-09	10
18-Jun-09	20	30	10	20	10	16	9	Clear	Calm	N	Partly Cloudy	15	Yes	No	H	0	Birds are gulls	18-Jun-09	16
23-Jun-09	10	10	20	10	10	11	11	Clear	Calm	W	Clear	21	No	No	H	0	Dog in water	23-Jun-09	11
25-Jun-09	20	30	10	10	10	14	11	Clear	Ripples	NW	Overcast	22	Yes	No	H	0		25-Jun-09	14
30-Jun-09	480	450	380	730	920	550	11	Turbid	Rough	NW	Partly Cloudy	15	Yes	Yes	H	0		30-Jun-09	550
2-Jul-09	10	10	20	20	10	13	15	Clear	Calm	W	Overcast	16	No	No	H	0		2-Jul-09	13
7-Jul-09	360	680	1000	640	670	637	15	Turbid	Rough	NE	Partly Cloudy	12	No	Yes	H	0		7-Jul-09	637
9-Jul-09	10	10	210	180	70	47	17	Clear	Calm	SE	Clear	18	No	No		50	Birds are gulls	9-Jul-09	47
14-Jul-09	50	20	320	60	130	76	18	Slightly Turbid	Rough	NW	Clear	15	No	No		0	1 dead turtle on beach. Algae along shoreline.	14-Jul-09	76
16-Jul-09	140	180	150	1300	690	321	19	Turbid	Rough	W	Overcast	18	No	No		50	Birds are geese	16-Jul-09	321
21-Jul-09	10	30	310	10	10	25	17	Clear	Calm	E	Clear	18	Yes	No	H	40	Birds are geese	21-Jul-09	25
23-Jul-09	20	10	70	30	110	34	18	Clear	Calm	E	Partly Cloudy	18	Yes	Yes	H	34	Birds are geese	23-Jul-09	34
28-Jul-09	180	350	460	230	290	287	17	Turbid	Rough	SW	Partly Cloudy	22	No	Yes	H	76	73 birds are geese and 3 were gulls	28-Jul-09	287
30-Jul-09	70	10	50	50	170	50	19	Clear	Ripples	SE	Clear	14	No	No		4	Birds are geese	30-Jul-09	50
4-Aug-09	210	250	290	370	260	271	20	Turbid	Rough	NW	Overcast	22	No	No		13	Birds are gulls	4-Aug-09	271
6-Aug-09	40	50	30	40	80	45	20	Clear	Calm	NW	Partly Cloudy	12	No	No		14	Birds are gulls	6-Aug-09	45
11-Aug-09	20	10	30	10	30	18	20	Clear	Calm	N	Overcast	19	Yes	No		0		11-Aug-09	18
13-Aug-09	10	10	30	20	20	16	21	Clear	Calm	NW	Clear	17	No	No		0	1 dead fish on beach	13-Aug-09	16
18-Aug-09	170	240	470	400	500	329	24	Turbid	Rough	W	Partly Cloudy	22	Yes	No		8	Birds are geese	18-Aug-09	329
20-Aug-09	360	300	200	430	210	287	23	Turbid	Rough	W	Overcast	23	No	No		0		20-Aug-09	287
25-Aug-09	230	340	90	180	30	128	21	Turbid	Rough	SW	Clear	16	No	No		0		25-Aug-09	128
27-Aug-09	10	50	40	10	10	18	21	Clear	Calm	E	Overcast	14	No	No		7	Birds are gulls	27-Aug-09	18
Total																			57

No Data Obtained

Rainfall values Determined by Environment Canada	
Heavy	H > 0.75 cm per hour
Moderate	M 0.26 - 0.75 cm per hour
Light	L 0.0 - 0.25 cm per hour

Legend	
Water Clarity	Clear--- 100cm
	Slightly Turbid ----40-99cm
	Turbid ---1-39cm
	Opaque 0cm

Wave Height	
	Calm 0-5cm
	Ripples 5-29cm
	Rough 30cm-99cm
	>1m--->1m

