



Canal Current

A wave of information for Cape Coral's Canalwatch volunteers

Newsletter: 4th Quarter 2007

Coming Soon

Canal Clean-up

Mark your calendars!!! As part of the Keep America Beautiful Great American Clean-up event, the City of Cape Coral is partnering with Keep Lee County Beautiful to host a Canal Clean-up day. The clean-up begins on March 30th from 8am – noon at the Cape Coral Yacht Club. Please Join Us!!! For more information please contact 574-0785 or kcressman@capecoral.net

Canalwatch BBQ

Save the date!!! The Canalwatch BBQ will be on April 2nd at the Cape Coral Yacht Club. Please R.S.V.P. no later than Friday March 21st. Please call 574-0785 to R.S.V.P. Hope to see you there!

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Questions? Comments? Let us know!
(239)574-0785

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Native Plant Profile

Seagrape

Coccoloba uvifera

Seagrape is often found along coastal habitats such as maritime forests and hammocks, but is also widely used as a hedge plant in home landscapes. Seagrape can grow to 30 feet in sun or partial shade and is drought and salt tolerant. The grapes are edible and can be used to make jam, but are most often consumed by wildlife.

Leaf litter may be a problem around pools or sidewalks, but otherwise the seagrape tree provides excellent shade if allowed to grow.



Coccoloba uvifera
Photo by Betty Wurgo

bd = below detection

stormwater quality standards are in blue -- values that exceed these standards are highlighted in red

Std.	October 2007						November 2007						December 2007						Avg TSI
	NO2 <1.0	NO3 <1.0	NH3 none set	TKN 1.5	T-N <2.0	T-PO4 <0.46	NO2 <1.0	NO3 <1.0	NH3 none set	TKN 1.5	T-N <2.0	T-PO4 <0.46	NO2 <1.0	NO3 <1.0	NH3 none set	TKN 1.5	T-N <2.0	T-PO4 <0.46	
1A	bd	bd	0.6	1.5	1.50	0.01	bd	bd	0.2	1.4	1.40	0.09	bd	bd	1.1	1.4	1.40	0.06	49.54
1C	bd	0.05	0.2	1.7	1.75	0.09	bd	bd	bd	1	1.00	0.06							57.08
1D	bd	0.10	0.1	1.5	1.60	0.10							bd	bd	0.5	1.1	1.10	bd	55.87
3D	bd	bd	bd	1.3	1.30	0.12													59.68
3F	bd	bd	bd	1	1.00	0.05	bd	bd	0.1	0.8	0.80	bd							48.33
4D	bd	0.08	0.4	1.7	1.78	0.07	bd	bd	bd	1.1	1.10	0.05	bd	bd	1.3	3	3.00	0.05	54.18
4E	bd	bd	0.5	1.6	1.60	0.06	bd	bd	0.1	1.5	1.50	0.05	bd	0.05	0.2	6.2	6.25	0.05	58.21
6F	bd	bd	0.3	1.1	1.10	0.09	bd	bd	bd	1.2	1.20	0.08	bd	bd	0.1	2.9	2.90	0.06	58.41
7B							bd	bd	0.1	1	1.00	0.07	bd	bd	0.2	2.8	2.80	bd	43.95
10B							bd	bd	0.2	1	1.00	0.06	bd	bd	0.3	2.7	2.70	bd	49.18
11C	bd	bd	0.8	1.1	1.10	0.08	bd	bd	0.4	1.8	1.80	0.08	bd	bd	1.1	3.7	3.70	0.06	59.33
11D	bd	bd	bd	1.3	1.30	0.13	bd	bd	0.4	1.7	1.70	0.09	bd	bd	bd	2.9	2.90	bd	53.36
13A	bd	bd	bd	1.4	1.40	0.08	bd	bd	bd	2.4	2.40	0.07	bd	bd	0.2	3.2	3.20	bd	51.19
15D	bd	bd	bd	1.1	1.10	bd	bd	bd	0.2	1.2	1.20	bd	bd	bd	0.1	2.8	2.80	bd	50.21
17B													bd	bd	bd	2.2	2.20	bd	41.47
19D	bd	bd	bd	1.2	1.20	0.14	bd	bd	0.4	1.5	1.50	0.11	bd	0.05	0.4	3.1	3.15	bd	54.54
19E	bd	bd	0.5	2	2.00	0.18	bd	bd	0.2	1.7	1.70	0.13	bd	0.05	0.2	3.2	3.25	0.10	67.64
19G	bd	bd	0.2	1.6	1.60	0.12	bd	bd	bd	2.1	2.10	0.07	bd	0.07	0.2	3.1	3.17	bd	56.96
20E	bd	bd	bd	1.4	1.40	0.11							bd	bd	0.1	2.6	2.60	bd	52.46
21D	bd	bd	bd	1.1	1.10	0.06	bd	bd	0.2	1.3	1.30	0.08	bd	bd	0.2	3	3.00	0.05	56.58
22B	bd	bd	0.3	1	1.00	0.06	bd	bd	0.2	1	1.00	0.05	bd	bd	0.3	2.7	2.70	bd	55.33
22C	bd	bd	bd	1.2	1.20	bd							bd	bd	0.3	2.6	2.60	bd	41.47
22D	bd	bd	bd	2.2	2.20	0.05	bd	0.06	0.2	0.7	0.76	0.06	bd	bd	0.1	2.7	2.70	0.05	57.66
22F							bd	0.06	0.8	2.9	2.96	0.07							57.98
26A	bd	0.06	bd	1.2	1.26	bd							bd	bd	bd	2.7	2.70	0.07	55.56
26C	bd	bd	1.5	1.3	1.30	bd							bd	bd	0.2	3.2	3.20	0.41	65.80
26D	bd	bd	0.4	1.5	1.50	0.09	bd	bd	0.2	1.3	1.30	bd	bd	bd	bd	2.2	2.20	bd	49.98
28D	bd	bd	bd	1	1.00	bd	bd	bd	0.1	6.4	6.40	bd							41.47
35A	bd	bd	bd	0.9	0.90	bd	bd	bd	bd	0.9	0.90	bd	bd	bd	bd	2.8	2.80	bd	61.30
41A	bd	bd	bd	1	1.00	bd	bd	bd	bd	0.9	0.90	bd	bd	bd	bd	1.6	1.60	bd	54.35
42A	bd	0.09	bd	2.1	2.19	bd							bd	bd	0.1	1.5	1.50	bd	58.08
43A	bd	bd	bd	1	1.00	bd							bd	bd	0.2	1.2	1.20	bd	41.47
48A													bd	bd	2.1	1.3	1.30	bd	52.57
49A	bd	0.07	0.6	1	1.07	bd	bd	bd	0.2	0.8	0.80	bd	bd	0.08	0.3	0.4	0.48	bd	61.93

52B	bd	bd	bd	1.9	1.90	bd	bd	bd	bd	0.7	0.70	bd	bd	bd	0.2	0.3	0.30	bd	39.20
55B	bd	bd	2.5	2.1	2.10	bd	bd	bd	0.2	1.4	1.40	bd	bd	bd	0.2	2.6	2.60	bd	41.47
58E	bd	bd	bd	1	1.00	bd	bd	bd	bd	1.2	1.20	bd	bd	bd	bd	2.9	2.90	bd	44.36
58F	bd	bd	bd	1.1	1.10	bd	bd	bd	bd	1.3	1.30	bd	bd	bd	0.1	4.5	4.50	bd	49.85
58G	bd	bd	bd	1	1.00	bd	bd	bd	0.2	1.3	1.30	bd	bd	bd	0.2	2.8	2.80	bd	43.37
59B	bd	bd	bd	1.3	1.30	bd	bd	0.06	0.3	1.3	1.36	bd	bd	bd	bd	2.9	2.90	bd	43.20
60A	bd	0.07	bd	1.1	1.17	bd	bd	bd	0.3	1.5	1.50	bd	bd	bd	0.2	2.1	2.10	bd	42.40
62C	bd	bd	bd	2.4	2.40	bd	bd	bd	bd	1	1.00	bd	bd	bd	bd	1.5	1.50	bd	51.41
64B	bd	0.11	bd	1.1	1.21	0.07	bd	0.07	0.1	1	1.07	0.05	bd	0.07	0.1	1.9	1.97	bd	46.97
64C							bd	0.08	0.1	1.2	1.28	bd	bd	0.08	bd	2	2.08	bd	39.58
66A													bd	bd	bd	2	2.00	bd	55.85
67A							bd	0.05	0.1	1.4	1.45	0.06	bd	0.06	bd	2.1	2.16	bd	49.97
67C	bd	0.07	bd	4.7	4.77	0.06	bd	0.05	0.2	1	1.05	0.05							47.22
67D							bd	0.05	0.1	1	1.05	bd							41.47
69A							bd	0.12	0.3	1.5	1.62	bd	bd	0.11	0.2	2.1	2.21	bd	41.47
70E	bd	bd	bd	1.6	1.60	bd	bd	0.08	0.2	1.2	1.28	bd	bd	0.10	0.2	2	2.10	bd	43.78
72A	bd	bd	bd	10.3	10.30	0.05	bd	0.06	0.2	1.3	1.36	bd	bd	0.06	0.2	2.1	2.16	bd	43.63
74B	bd	bd	bd	1	1.00	bd	bd	0.10	0.1	1.1	1.20	bd	bd	0.13	0.2	2	2.13	bd	42.29
74C	bd	bd	bd	1.2	1.20	bd	bd	0.11	0.2	1.3	1.41	bd	bd	0.13	0.2	1.8	1.93	bd	41.27
83A	bd	bd	bd	1.6	1.60	bd	bd	0.08	0.2	1.3	1.38	bd							47.98
85C	bd	bd	bd	0.7	0.70	bd							bd	bd	0.5	1.3	1.30	bd	51.49
88B	bd	bd	bd	1.3	1.30	0.06							bd	0.05	0.4	1.5	1.55	bd	50.55
90A	bd	bd	bd	1.2	1.20	bd	bd	0.05	0.3	1.5	1.55	bd	bd	bd	0.4	2.1	2.10	bd	48.33
Median		0.07	0.45	1.30	1.30	0.08		0.06	0.20	1.30	1.30	0.07		0.07	0.20	2.60	2.60	0.06	50.21
Max		0.11	2.50	10.30	10.30	0.18		0.12	0.80	6.40	6.40	0.13		0.13	2.10	6.20	6.25	0.41	67.64

NO2 = Nitrite (inorganic)	TKN = Total Kjeldahl Nitrogen (organic)	High levels of nutrients in our canals can indicate the presence of fertilizer runoff or effluent from wastewater or septic systems. Excessive nutrients can lead to nuisance plant growth and algal blooms.
NO3 = Nitrate (inorganic)	TN = Total Nitrogen (inorganic + organic)	
NH3 = Ammonia (inorganic)	TPO4 = Total Phosphate	

TSI = Trophic State Index, a quick indicator of canal health. Most sites this quarter scored as GOOD (<60). Four sites scored FAIR (60-70), and none were POOR (>70).

TN was very high at the majority of sites in December, due to high TKN values. This can happen after rainfall, although there wasn't any rain prior to December sampling. We will keep our eyes on this number over the next quarter to see if it settles down again.

February

6th

Sunset Celebration

Cape Coral
Yacht Club Pier 4-7pm
Info: 574-0806

16th

Burrowing Owl Festival

Rotary Park
Environmental Center
10am-4pm
Info: 549-4606

29th

An Evening Under the Sea

Cape Coral Yacht Club
6-8pm
Info: 574-0806

March

5th

Sunset Celebration

Cape Coral
Yacht Club Pier 4-7pm
Info: 574-0806

25th – 27th

Charlotte Harbor Watershed Summit

Edison College
Punta Gorda
Info: chnep.org
239/338-2556

30th

Cape Coral Canal Clean-up

Cape Coral Yacht Club
8am-12pm
Info: 574-0785

April

2nd

Canalwatch BBQ

Cape Coral Yacht Club
11am-1pm
Info: 574-0785

Sunset Celebration

Cape Coral
Yacht Club Pier 4-7pm
Info: 574-0806

19th

Annual Spring Native Plant Sale

Rotary Park
Environmental Center
9am-2pm
Info: 549-4606

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