

Canal Current

A wave of information for Cape Coral's Canalwatch volunteers

Newsletter: 3rd Quarter 2012

Environmental Recreation

Native Plant profile

Grab Your Kayak and Go!

On November 1st through 4th is the 2012 Calusa Blueway Paddling Festival. This annual event includes live music, fishing tournament, tours and of course paddling – for the novice to the pro. Please visit calusabluewaypaddlingfestival.com for more information. Go to calusablueway.com for paddling maps to iPhone apps! It's a great resource for anyone who's interested in exploring Southwest Florida the way the Calusa Indians did.

Kayaking Opportunities

Cape Coral Parks and Recreation offers paddling trips for everyone. From guided paddles of Matlacha Pass and guided daylight or full moon paddling trips through Eco Park, to beginners paddling classes, Cape Coral's Parks and Recreation Department offers a wide variety of paddling experience for anyone. Even if you don't own a kayak there are ways to get out and explore the water. For more information on classes, guided trips and excursions please call Rotary Park Environmental Center at 549 – 4606.

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Questions? Comments? Let us know!

(239)574-0785

Harry: hphillips@capecoral.net Katie: kmcbride@capecoral.net

Pineland Heliotrope Heliotropium polyphyllum

Pineland heliotrope is an inconspicuous plant that abounds in empty lots and natural areas. It grows low (less than 3 feet) and trails along the ground in most instances. Its white or pale yellow flowers bloom two by two and diminish toward the terminal end of the stem.

The small flowers, which bloom year round, attract numerous pollinators including butterflies. A similar plant, which is useful in the home garden, is scorpion tail (*Heliotropium angiospermum*). Much like the pineland heliotrope it doesn't require much attention and is at home in sun, shade and varying soil types.

This cultivated variety is more full and upright in its growth. It is most commonly applied as a mid-level ground cover in butterfly attracting areas of native landscapes.



Pineland Heliotrope

The Florida Scrub-Jay *Aphelocoma coerulescens*



Wildlife biologist Tom Allen with scrub jays

The Florida Scrub-Jay is a boldly colored, beautiful songbird found here in Southwest Florida. Its head, wings, and tail are blue; its breast is light grey. This species of Jay is endemic, meaning it is native and confined to the oak scrub and scrubby flatwoods of Florida.



Florida scrub jays (photo by Harry Phillips)

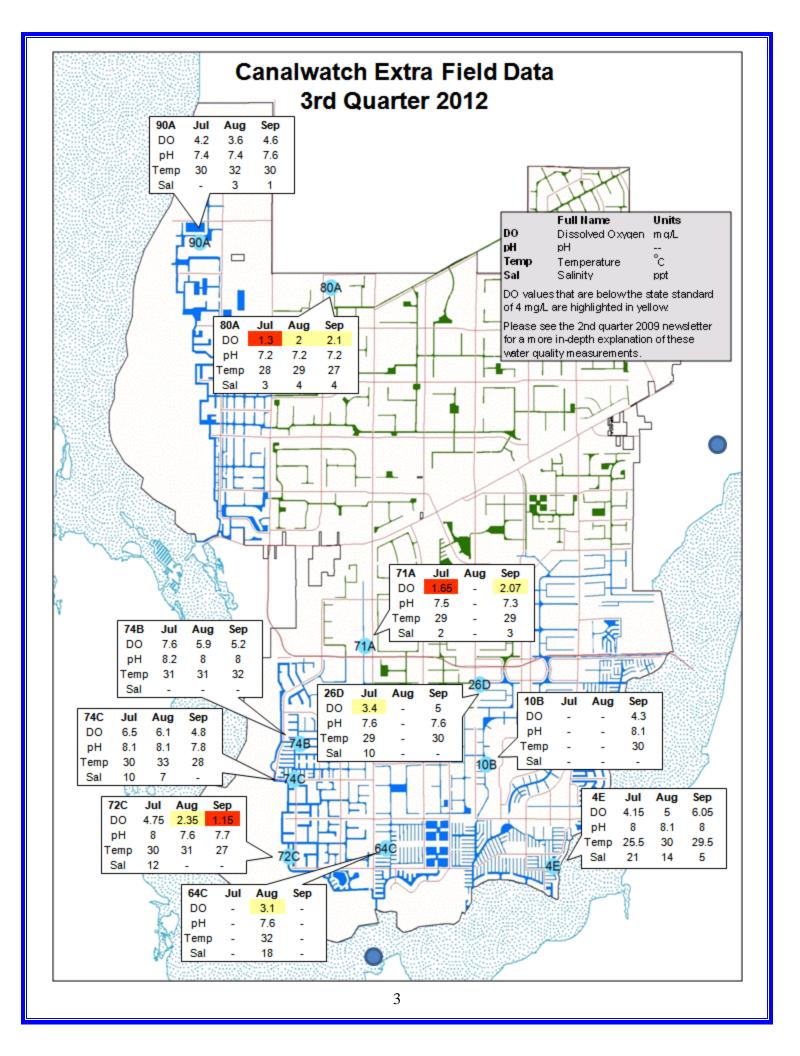
Scrub-Jays breed between the ages of 1 and 7 after establishing a territory. Clutch size is between 1 and 5 eggs; the incubation period is generally about 17 days. Florida Scrub-Jays are cooperative or communal breeders. This means many of the offspring stay with the parents for a year or more after they are able to fly. During this period, the older offspring or other helper birds assist with rearing younger birds, defending their territory, and taking turns looking out for predators. Typically a mated pair of Scrub-Jays will have one to six helper birds. Only about 3% of all species of birds display this interesting cooperative behavior.

The Florida Scrub-Jay is classified as "Threatened" under the Endangered Species Act, signifying that it is a species which is likely to become "Endangered" due to population decline resulting from the degradation and fragmentation of scrub habitat in Florida. It is believed that less than 10,000 remain. There have been at least two families of Florida Scrub-Jays seen in the northwest section of Cape Coral in recent history. Nearby, the Alva Scrub Preserve and Hickey's Creek Mitigation Park (also in Alva FL) may offer some opportunities to see these beautiful birds.

-Biologist Kathryn R. McBride



Common blue jay (photo by Honey Archey)



	bd = be	low dete	ection		benchr	nark num	bers: M	larked d	ata are i	in the hig	hest 20	l% of valu	ues foun	id by Ha	ınd et. al,	, 1988.			
	July 2012								Augus	t 2012			September 2012						
	NO2	NO3	NH3	TKN	T-N	T-P04	NO2	NO3	NH3	TKN	T-N	T-P04	NO2	NO3	NH3	TKN	T-N	T-P04	Avg
	<1.0	<1.0	none	eset	<2.0	<0.46	<1.0	<1.0	none	e set	<2.0	<0.46	<1.0	<1.0	none	e set	<2.0	<0.46	TSI
3F	bd	bd	bd	1.1	1.1	0.01	bd	bd	bd	0.5	0.5	bd	bd	bd	bd	0.8	0.8	0.07	38.11
4E	bd	bd	bd	1.5	1.5	0.08	bd	bd	bd	0.7	0.7	0.08	bd	bd	bd	1.0	1.0	0.10	55.97
6F	bd	bd	bd	1.3	1.3	0.10	bd	bd	bd	0.6	0.6	0.08	bd	bd	bd	1.0	1.0	0.12	55.34
7C	bd	bd	bd	1.2	1.2	0.09	bd	bd	bd	0.5	0.5	0.10	bd	bd	bd	1.1	1.1	0.13	52.05
7D	bd	bd	bd	1.2	1.2	0.09	bd	bd	bd	0.4	0.4	0.10	bd	bd	bd	1.1	1.1	0.12	55.36
9E	bd	bd	bd	1.1	1.1	0.07	bd	bd	bd	0.4	0.4	0.10	bd	bd	bd	0.9	0.9	0.10	48.66
10B													bd	bd	bd	0.8	0.8	0.06	54.68
11E	bd	bd	bd	1.8	1.8	0.12	bd	bd	bd	1.0	1.0	0.11	bd	bd	bd	1.2	1.2	0.15	60.66
15D	bd	bd	bd	1.3	1.3	0.06	bd	bd	bd	0.6	0.6	0.06	bd	bd	bd	0.8	0.8	0.00	54.59
15E													bd	bd	bd	1.0	1.0	0.06	59.57
16E	bd	bd	bd	1.1	1.1	bd	bd	bd	bd	0.7	0.7	0.03	bd	bd	bd	0.8	0.8	0.03	55.36
19D							bd	bd	bd	0.9	0.9	0.01	bd	bd	bd	1.2	1.2	0.24	46.34
19K	bd	bd	bd	1.4	1.4	0.11	bd	bd	bd	0.5	0.5	0.01	bd	bd	bd	1.3	1.3	0.12	52.43
21D	bd	bd	0.2	1.3	1.3	0.09	bd	bd	bd	0.4	0.4	0.09	bd	bd	bd	1.3	1.3	0.12	56.39
26D	bd	bd	bd	2.1	2.1	0.04							bd	bd	bd	1.1	1.1	bd	56.30
28D	bd	bd	bd	0.8	0.8	0.10	bd	bd	bd	0.3	0.3	0.02	bd	bd	bd	0.8	0.8	0.03	55.86
30C	bd	bd	bd	1.1	1.1	0.07	bd	bd	bd	0.1	0.1	0.02							40.03
35A	bd	bd	bd	0.6	0.6	0.08							bd	bd	bd	0.6	0.6	0.01	41.24
41A	bd	bd	bd	0.6	0.6	0.06	bd	bd	bd	0.2	0.2	0.01	bd	bd	bd	0.7	0.7	0.01	33.51
45D	bd	bd	bd	0.7	0.7	0.06	bd	bd	bd	0.5	0.5	0.03	bd	bd	bd	0.7	0.7	0.02	54.01
48A	bd	bd	bd	0.6	0.6	0.04	bd	bd	bd	0.3	0.3	0.01	bd	bd	bd	0.7	0.7	0.01	40.43
52B	bd	bd	bd	0.7	0.7	0.06	bd	bd	bd	0.2	0.2	0.01	bd	bd	bd	0.6	0.6	0.01	24.35
55B							bd	bd	bd	0.6	0.6	0.06	bd	bd	bd	1.2	1.2	0.07	57.82
58F							bd	bd	bd	0.6	0.6	0.03	bd	bd	bd	0.7	0.7	0.03	48.58
58G	bd	bd	bd	1.0	1.0	0.04	bd	bd	bd	0.3	0.3	0.03	bd	bd	bd	0.7	0.7	0.03	47.84
581	bd	bd	bd	1.0	1.0	0.03	bd	bd	bd	0.3	0.3	0.03	bd	bd	bd	0.7	0.7	0.02	41.72
59B	bd	bd	bd	1.2	1.2	0.02							bd	bd	bd	0.8	0.8	0.02	43.27
64B							bd	bd	bd	0.6	0.6	0.08							45.89
64C							bd	bd	bd	0.5	0.5	0.10							37.31
65B	bd	bd	bd	1.3	1.3	0.08	bd	bd	bd	0.6	0.6	0.05	bd	bd	bd	0.7	0.7	0.06	59.45

NO2 = Nitrite (inorganic) NO3 = Nitrate (inorganic) NH3 = Ammonia (inorganic) All nutrient concentrations sh			Nitrogen (organic + NH4) TN = Total Nitrogen (inorganic + organic) TPO4 = Total Phosphate			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.					TSI = Trophic State Index, a quick indicator of canal health. 47 sites this quarter scored as GOOD (<60), one sites score FAIR (60-70), and one scored POOR (>70). Summer is come to an end once again so rainfall should decrease. This mee canal water levels will drop. Especially with the help of wind pushing water off shore as they chance from a SW direction a NE direction. Expect Secchi measurements to improve as							cored coming means	
Max	NO.O. C.	0.00	0.70 TKN	6.80 = Total Kj	6.80	0.18	evels of	0.00	0.10	1.40	1.40	0.14		0.00	0.00	2.40	2.40	0.61	75.78
dedian		bd	0.20	1.20			bu	bd	0.10	0.50	0.50	0.04	bu	bd	bd	0.80	0.80	0.05	51.00
97A	bd	bd	bd	0.7	0.7	0.01	bd	bd	0.1	0.5	0.5	0.05	bd	bd	bd	0.0	0.075	0.08	22.24
91A 93B	bd	bd	bd	1.9	1.9	0.03	bd bd	bd bd	bd bd	0.6 0.5	0.6 0.5	0.01 0.05	bd bd	bd bd	bd bd	0.9 0.8	0.9	0.02	50.34 59.88
90A	bd	bd	0.1	2.3	2.3	0.03	bd	bd	bd	1.2	1.2	0.02	bd	bd	bd	1.4	1.4	0.02	54.1
89A	bd	bd	bd	1.4	1.4	0.12	bd	bd	0.1	0.7	0.7	0.14	bd	bd	bd	1.1	1.1	0.15	57.9
83A							bd	bd	bd	0.5	0.5	0.02	bd	bd	bd	0.9	0.9	0.03	53.8
82A	bd	bd	bd	1.3	1.3	0.06	bd	bd	bd	0.7	0.7	0.02	bd	bd	bd	0.9	0.9	0.02	54.7
81B							bd	bd	bd	0.9	0.9	0.02	bd	bd	bd	0.8	0.8	0.03	48.22
81A	bd	bd	0.7	6.8	6.8	0.18							bd	bd	bd	2.4	2.4	0.61	75.78
80A	bd	bd	bd	1.1	1.1	0.02	bd	bd	bd	0.5	0.5	0.01	bd	bd	bd	0.8	0.8	0.01	38.70
74F	bd	bd	bd	1.1	1.1	0.04	bd	bd	bd	0.5	0.5	0.04	bd	bd	bd	0.7	0.7	0.05	50.87
74C	bd	bd	bd	1.4	1.4	0.06	bd	bd	bd	0.6	0.6	0.03	bd	bd	bd	0.8	0.8	0.06	45.88
74B	bd	bd	bd	1.3	1.3	0.03	bd	bd	bd	0.9	0.9	0.03	bd	bd	bd	1.7	1.7	0.05	50.10
72A 72C	bd bd	bd bd	bd bd	1.4	1.4 1.4	0.09	bd bd	bd bd	bd bd	0.8 1.4	0.8 1.4	0.05 0.05	bd bd	bd bd	bd bd	0.8	0.8	0.06	56.7
71A	bd	bd	bd	0.6	0.6	0.17	bd	bd	bd	0.4	0.4	0.04	bd	bd	bd	0.9	0.9	0.04	47.5 54.3
70F	bd	bd	bd	1.3	1.3	0.05	bd	bd	bd	0.4	0.4	0.04	bd	bd	bd	0.9	0.9	0.05	48.5
66A	bd	bd	bd	1.2	1.2	0.03	bd	bd	bd	0.3	0.3	0.02	bd	bd	bd	0.6	0.6	0.01	40.4
65C	bd	bd	bd	1.4	1.4	0.06	bd	bd	bd	0.5	0.5	0.08	bd	bd	bd	0.6	0.6	0.06	51.0

October	November	December
3 rd Canalwatch	7 th Canalwatch	5 th Canalwatch
19 th The Mangrove Gathering Rotary Park Environmental Center Info: 549-4606	17 th Nature of Cape Coral Bus Tour 8am-noon Info: 549-4606	8 th Nature of Cape Coral Bus Tour 8am-noon Info: 549-4606
20 th Native Plant Sale 9am-2pm at Manatee Park Info: 690-5030 27 th Full Moon Paddle	17 th Guided hike Yellow Fever Creek 9am-11am Info: 549-4606	10 th Florida's Reptiles A free seminar Rotary Park Environmental Center
Eco Preserve 5pm-7pm Info: 549-4606	30 th Full Moon Paddle Eco Preserve 5pm-7pm Info: 549-4606	1pm-2pm Info: 549-4606

Reminder! The Canalwatch November Event is November 7th at Rotary Park! Please RSVP by November 2nd.

City of Cape Coral Environmental Resources P.O. BOX 150027 Cape Coral, FL 33915-0027