

**CHAPTER 11. BENTHIC MACROINVERTEBRATES, APPENDIX 11.B SAMPLING SITE
COORDINATES**

St. Johns River Water Management District
Palatka, Florida

2011

St. Johns River Water Management District, Florida
Geographic location information on benthic sites sampled in July and November 2009

Site	Date	Site	Replicate	Vegetation Type	LATITUDE (D/M/S,DS)	LONGITUDE (D/M/S,DS)	LATITUDE (D/M,DM)	LONGITUDE (D/M,DM)	NOTES
Lake Monroe	21-Jul-09	Nuphar I	N1	Nuphar			N 28°51.278	W 081°17.776	Nuphar advena
Lake Monroe	21-Jul-09	Nuphar I	N2	Nuphar			none	none	Nuphar advena
Lake Monroe	21-Jul-09	Nuphar I	N3	Nuphar			N 28°51.316	W 081°17.788	Nuphar advena
Lake Monroe	21-Jul-09	Bulrush I	BR1	Bulrush			N 28°51.300	W 081°17.796	Scirpus sp.
Lake Monroe	21-Jul-09	Bulrush I	BR2	Bulrush			N 28°51.287	W 081°17.787	Scirpus sp.
Lake Monroe	21-Jul-09	Bulrush I	BR3	Bulrush			N 28°51.252	W 081°17.723	Scirpus sp.
Lake Monroe	21-Jul-09	Nuphar II	N1	Nuphar			N 28°51.071	W 081°17.854	Nuphar advena
Lake Monroe	21-Jul-09	Nuphar II	N2	Nuphar			N 28°51.076	W 081°17.851	Nuphar advena
Lake Monroe	21-Jul-09	Nuphar II	N3	Nuphar			N 28°51.057	W 081°17.853	Nuphar advena
Lake Monroe	21-Jul-09	Bulrush II	BR1	Bulrush			N 28°51.064	W 081°17.841	Scirpus sp.
Lake Monroe	21-Jul-09	Bulrush II	BR2	Bulrush			N 28°51.073	W 081°17.837	Scirpus sp.
Lake Monroe	21-Jul-09	Bulrush II	BR3	Bulrush			N 28°51.055	W 081°17.845	Scirpus sp.
Lake Monroe	21-Jul-09	Nuphar III	N1	Nuphar			N 28°50.751	W 081°18.013	Nuphar advena
Lake Monroe	21-Jul-09	Nuphar III	N2	Nuphar			N 28°50.726	W 081°18.002	Nuphar advena
Lake Monroe	21-Jul-09	Nuphar III	N3	Nuphar			N 28°50.710	W 081°18.018	Nuphar advena
Lake Monroe	21-Jul-09	Bulrush III	BR1	Bulrush			N 28°50.746	W 081°17.996	Scirpus sp.
Lake Monroe	21-Jul-09	Bulrush III	BR2	Bulrush			N 28°50.724	W 081°17.996	Scirpus sp.
Lake Monroe	21-Jul-09	Bulrush III	BR3	Bulrush			N 28°50.698	W 081°18.012	Scirpus sp.
Lake Monroe	22-Jul-09	Nuphar IV	N1	Nuphar			N 28°51.678	W 081°17.274	Nuphar advena
Lake Monroe	22-Jul-09	Nuphar IV	N2	Nuphar			N 28°51.682	W 081°17.276	Nuphar advena
Lake Monroe	22-Jul-09	Nuphar IV	N3	Nuphar			N 28°51.673	W 081°17.268	Nuphar advena
Lake Monroe	22-Jul-09	Hydrilla I	H1	Hydrilla			N 28°51.671	W 081°17.275	Hydrilla
Lake Monroe	22-Jul-09	Hydrilla I	H2	Hydrilla			N 28°51.661	W 081°17.278	Hydrilla
Lake Monroe	22-Jul-09	Hydrilla I	H3	Hydrilla			N 28°51.658	W 081°17.276	Hydrilla
Lake Monroe	22-Jul-09	Hydrilla II	H1	Hydrilla			N 28°51.079	W 081°17.864	Hydrilla
Lake Monroe	22-Jul-09	Hydrilla II	H2	Hydrilla			N 28°51.074	W 081°17.864	Hydrilla
Lake Monroe	22-Jul-09	Hydrilla II	H3	Hydrilla			N 28°51.062	W 081°17.866	Hydrilla
Lake Monroe	22-Jul-09	Hydrilla III	H1	Hydrilla			N 28°50.760	W 081°18.019	Hydrilla
Lake Monroe	22-Jul-09	Hydrilla III	H2	Hydrilla			N 28°50.755	W 081°18.027	Hydrilla
Lake Monroe	22-Jul-09	Hydrilla III	H3	Hydrilla			N 28°50.750	W 081°18.026	Hydrilla
Lake Monroe	22-Jul-09	Marsh I	SH 1	Emergent Mixed			N 28°50.498	W 081°18.166	Scirpus sp.
Lake Monroe	22-Jul-09	Marsh I	SH 2	Emergent Mixed			N 28°50.490	W 081°18.166	Scirpus sp.
Lake Monroe	22-Jul-09	Marsh I	SH 3	Emergent Mixed			N 28°50.491	W 081°18.161	Scirpus sp.
Near Yankee Lake	22-Jul-09	Rmarsh I	ER1	Emergent River			N 28°51.284	W 081°21.142	UnID grass
Near Yankee Lake	22-Jul-09	Rmarsh I	ER2	Emergent River			N 28°51.283	W 081°21.142	UnID grass
Near Yankee Lake	22-Jul-09	Rmarsh I	ER3	Emergent River			N 28°51.279	W 081°21.149	UnID grass
Near Yankee Lake	22-Jul-09	Rnuphar I	NR1	Nuphar River			N 28°51.280	W 081°21.149	Nuphar advena
Near Yankee Lake	22-Jul-09	Rnuphar I	NR2	Nuphar River			N 28°51.287	W 081°21.164	Nuphar advena
Near Yankee Lake	22-Jul-09	Rnuphar I	NR3	Nuphar River			N 28°51.283	W 081°21.177	Nuphar advena
Lake Poinsett	21-Jul-09	Nuphar I	1	Nuphar	N 28/21/20.3	W 80/52/04.3			Nuphar advena
Lake Poinsett	21-Jul-09	Nuphar I	2	Nuphar	N 28/21/20.3	W 80/52/04.3			Nuphar advena
Lake Poinsett	21-Jul-09	Nuphar I	3	Nuphar	N 28/21/20.3	W 80/52/04.3			Nuphar advena
Lake Poinsett	21-Jul-09	Nuphar II	1	Nuphar	N 28/21/21.1	W80/52/06.0			Nuphar advena
Lake Poinsett	21-Jul-09	Nuphar II	2	Nuphar	N 28/21/21.1	W80/52/06.0			Nuphar advena
Lake Poinsett	21-Jul-09	Nuphar II	3	Nuphar	N 28/21/21.1	W80/52/06.0			Nuphar advena
Lake Poinsett	21-Jul-09	Nuphar III	1	Nuphar	N28/21/24.9	W80/52/23.1			Nuphar advena
Lake Poinsett	21-Jul-09	Nuphar III	2	Nuphar	N28/21/24.9	W80/52/23.1			Nuphar advena
Lake Poinsett	21-Jul-09	Nuphar III	3	Nuphar	N28/21/24.9	W80/52/23.1			Nuphar advena
Lake Poinsett	21-Jul-09	Bulrush I	1	Bulrush	N 28/20/55.8	W 80/52/23.5			Scirpus sp.
Lake Poinsett	21-Jul-09	Bulrush I	2	Bulrush	N 28/20/55.8	W 80/52/23.5			Scirpus sp.

Site	Date	Site	Replicate	Vegetation Type	LATITUDE (D/M/S,DS)	LONGITUDE (D/M/S,DS)	LATITUDE (D/M,DM)	LONGITUDE (D/M,DM)	NOTES
Lake Poinsett	21-Jul-09	Bulrush I	3	Bulrush	N 28/20/55.8	W 80/52/23.5			Scirpus sp.
Lake Poinsett	21-Jul-09	Bulrush II	1	Bulrush	N28/20/57.8	W80/52/25.8			Scirpus sp.
Lake Poinsett	21-Jul-09	Bulrush II	2	Bulrush	N28/20/57.8	W80/52/25.8			Scirpus sp.
Lake Poinsett	21-Jul-09	Bulrush II	3	Bulrush	N28/20/57.8	W80/52/25.8			Scirpus sp.
Lake Poinsett	21-Jul-09	Bulrush III	1	Bulrush	N28/21/11.4	W80/52/28.9			Scirpus sp.
Lake Poinsett	21-Jul-09	Bulrush III	2	Bulrush	N28/21/11.4	W80/52/28.9			Scirpus sp.
Lake Poinsett	21-Jul-09	Bulrush III	3	Bulrush	N28/21/11.4	W80/52/28.9			Scirpus sp.
Lake Poinsett	22-Jul-09	Marsh I	1	Marsh	N28/21/07.5	W80/52/27.2			Alligator weed
Lake Poinsett	22-Jul-09	Marsh I	2	Marsh	N28/21/06.6	W80/52/27.3			Sesbania
Lake Poinsett	22-Jul-09	Marsh I	3	Marsh	N28/21/06.6	W80/52/27.3			Alligator weed and grass (not maidencane); possibly Para grass (Brachiaria)
Lake Poinsett	22-Jul-09	Marsh II	1	Marsh	N28/21/07.0	W80/52/30.8			Mixed shallow marsh. Echinochloa? Spartina baken? Sesbania
Lake Poinsett	22-Jul-09	Marsh II	2	Marsh	N28/21/14.0	W80/52/38.8			Mixed Para grass (?), Echinochloa walteri, Smartweed (Polygonum sp.)
Lake Poinsett	22-Jul-09	Marsh II	3	Marsh	N28/21/15.9	W80/52/55.2			Mixed Scirpus, Echinochloa, Salvinia, Lemna, Smartweed
Lake Poinsett	22-Jul-09	Marsh III	1	Marsh	N28/21/22.0	W80/53/08.2			Grass (Para grass: Brachiaria) w/ bald cypress overstory
Lake Poinsett	22-Jul-09	Marsh III	2	Marsh	N28/21/21.5	W80/53/03.8			Edge of wet prairie: Spartina bakeri, smartweed, mixed grasses,swamp hibiscus, bottonbush
Lake Poinsett	22-Jul-09	Marsh III	3	Marsh	N28/21/12.6	W80/53/02.1			Edge of Phragmites stand
Lake Monroe	Nov-09	NOTE: LAKE MONROE AND NEAR YANKEE LAKE SITES SAMPLED IN NOVEMBER 2009 SAME AS SITES SAMPLED IN JULY 2009							
Lake Poinsett	15-Nov-09	Bulrush I	1	Bulrush	N 28/21/20.3	W 80/52/04.3			Scirpus sp.
Lake Poinsett	15-Nov-09	Bulrush I	2	Bulrush	N 28/21/20.3	W 80/52/04.3			Scirpus sp.
Lake Poinsett	15-Nov-09	Bulrush I	3	Bulrush	N 28/21/20.3	W 80/52/04.3			Scirpus sp.
Lake Poinsett	15-Nov-09	Bulrush II	1	Bulrush	N 28/21/21.1	W80/52/06.0			Scirpus sp.
Lake Poinsett	15-Nov-09	Bulrush II	2	Bulrush	N 28/21/21.1	W80/52/06.0			Scirpus sp.
Lake Poinsett	15-Nov-09	Bulrush II	3	Bulrush	N 28/21/21.1	W80/52/06.0			Scirpus sp.
Lake Poinsett	15-Nov-09	Bulrush III	1	Bulrush	N28/21/24.9	W80/52/23.1			Scirpus sp.
Lake Poinsett	15-Nov-09	Bulrush III	2	Bulrush	N28/21/24.9	W80/52/23.1			Scirpus sp.
Lake Poinsett	15-Nov-09	Bulrush III	3	Bulrush	N28/21/24.9	W80/52/23.1			Scirpus sp.
Lake Poinsett	15-Nov-09	Nuphar I	1	Nuphar	N 28/20/55.8	W 80/52/23.5			Nuphar advena
Lake Poinsett	15-Nov-09	Nuphar I	2	Nuphar	N 28/20/55.8	W 80/52/23.5			Nuphar advena
Lake Poinsett	15-Nov-09	Nuphar I	3	Nuphar	N 28/20/55.8	W 80/52/23.5			Nuphar advena
Lake Poinsett	15-Nov-09	Nuphar II	1	Nuphar	N28/20/57.8	W80/52/25.8			Nuphar advena
Lake Poinsett	15-Nov-09	Nuphar II	2	Nuphar	N28/20/57.8	W80/52/25.8			Nuphar advena
Lake Poinsett	15-Nov-09	Nuphar II	3	Nuphar	N28/20/57.8	W80/52/25.8			Nuphar advena
Lake Poinsett	15-Nov-09	Nuphar III	1	Nuphar	N28/21/11.4	W80/52/28.9			Nuphar advena
Lake Poinsett	15-Nov-09	Nuphar III	2	Nuphar	N28/21/11.4	W80/52/28.9			Nuphar advena
Lake Poinsett	15-Nov-09	Nuphar III	3	Nuphar	N28/21/11.4	W80/52/28.9			Nuphar advena
Lake Poinsett	15-Nov-09	Marsh I	1	Marsh	N28/21/07.5	W80/52/27.2			Polygonum sp.
Lake Poinsett	15-Nov-09	Marsh I	2	Marsh	N28/21/06.6	W80/52/27.3			Polygonum sp.
Lake Poinsett	15-Nov-09	Marsh I	3	Marsh	N28/21/06.6	W80/52/27.3			Polygonum sp.
Lake Poinsett	15-Nov-09	Marsh II	1	Marsh	N28/21/07.0	W80/52/30.8			Polygonum sp.
Lake Poinsett	15-Nov-09	Marsh II	2	Marsh	N28/21/14.0	W80/52/38.8			Duckweed
Lake Poinsett	15-Nov-09	Marsh II	3	Marsh	N28/21/15.9	W80/52/55.2			Polygonum sp.
Lake Poinsett	15-Nov-09	Marsh II	3	Marsh	N28/21/22.0	W80/53/08.2			Polygonum sp.
Lake Poinsett	15-Nov-09	Marsh II	3	Marsh	N28/21/21.5	W80/53/03.8			Duckweed
Lake Poinsett	15-Nov-09	Ponar I	1	Ponar	N28/21/12.6	W80/53/02.1			None
Lake Poinsett	15-Nov-09	Ponar I	2	Ponar	N28/21/12.6	W80/53/02.1			None
Lake Poinsett	15-Nov-09	Ponar I	3	Ponar	N28/21/12.6	W80/53/02.1			None