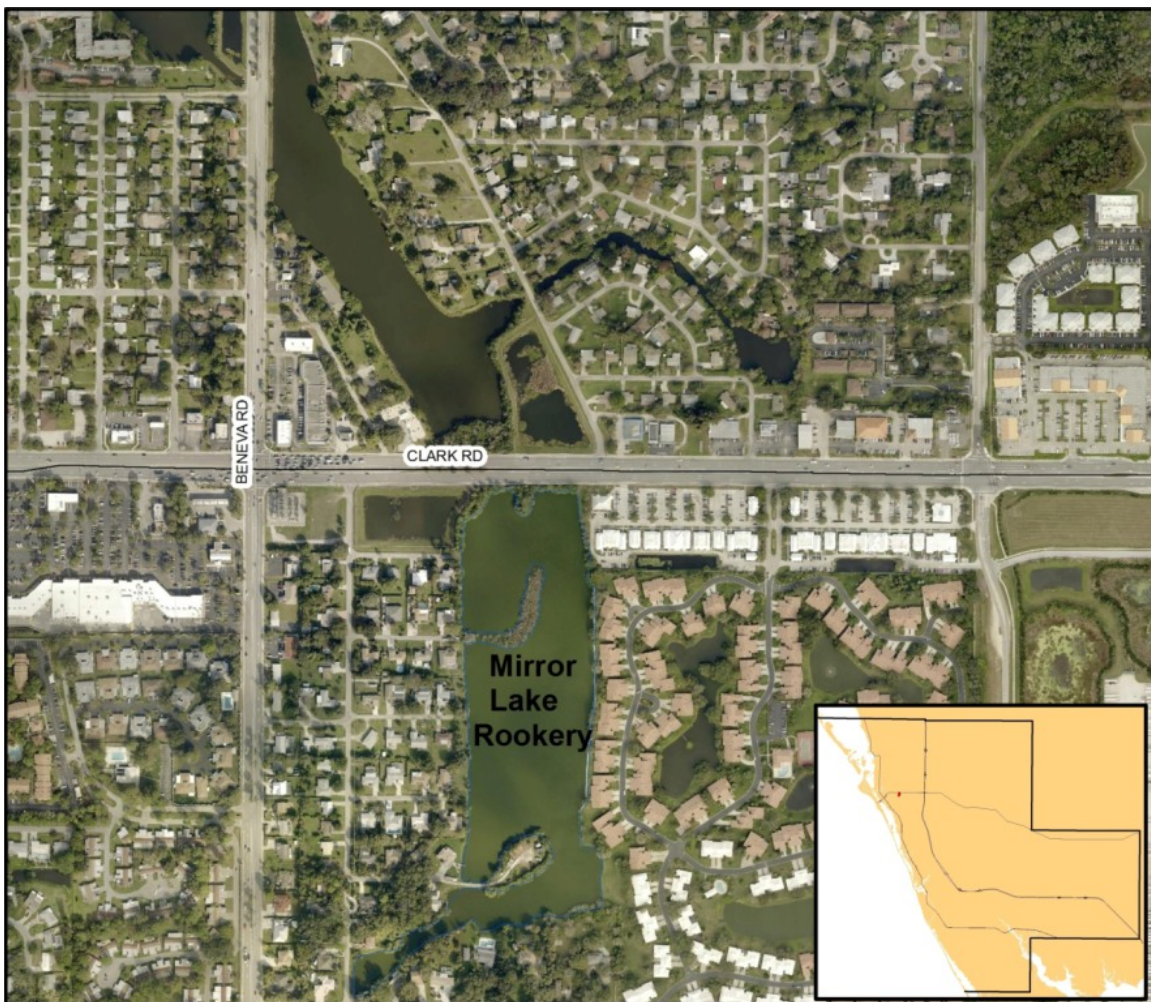


# Mirror Lake Bird Counts 2006-2007

Kathryn Meaux  
Sarasota County Water Resources

Mirror Lake is located southeast of Clark Road and Beneva Road in Sarasota County Florida. An island near the south end of the lake hosts a bird rookery. Bird counts were conducted to supplement estimates of nutrient loading for the production of a nutrient load reduction study by the U.S. Environmental Protection Agency and the Florida Department of Environmental Protection. The study produced a Total Maximum Daily Load reduction requirement for the waterbodies in the vicinity of Mirror Lake.



**Mirror Lake Rookery  
Species List**

<b>Scientific Name</b>	<b>Common Name</b>
<i>Phalacrocorax auritus</i>	Double Crested Cormorant
<i>Anhinga anhinga</i>	Anhinga
<i>Eudocimus albis</i>	White Ibis
<i>Plegadis falcinellus</i>	Glossy Ibis
<i>Casmerodius albus</i>	Great Egret
<i>Egretta thula</i>	Snowy Egret
<i>Egretta caerulea</i>	Little Blue Heron
<i>Egretta tricolor</i>	Tri-colored Heron
<i>Ardea herodias</i>	Great Blue Heron
<i>Mycteria americana</i>	Wood Stork
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron
<i>Nyctinassa violaceus</i>	Yellow-crowned Night Heron
<i>Quiscalus major</i>	Boat-tailed Grackle
<i>Quiscalus quiscula</i>	Common Grackle
<i>Megaceryle alcyon</i>	Belted King Fisher
<i>Gallinula chloropus</i>	Common Moorhen
<i>Prophyrio martinica</i>	Purple Gallinule
<i>Pandion haliaeetus</i>	Osprey
<i>Cardinalis cardinalis</i>	Cardinal
<i>Cyanocitta cristata</i>	Blue Jay
<i>Mimus polyglottos</i>	Northern Mockingbird
<i>Fulica americana</i>	American Coot
<i>Corvus brachyrhynchos</i>	American Crow
<i>Anas fulvigula fulvigula</i>	Florida Mottled Duck
<i>Larus atricilla</i>	Laughing Gull

Mirror Lake Rookery				
Species List				
Scientific Name	Common Name	Listing	1600 - 1800	Comments
<i>Phalacrocorax auritus</i>	Double Crested Cormorant		243	A: 1600; Already on site; D: N, W; R: Top and west side
<i>Anhinga anhinga</i>	Anhinga		26	A: 1645; D: N, W; R: Top
<i>Eudocimus albis</i>	White Ibis	SSC	297	A: 1700; D: W, NW, NE; R: E
<i>Plegadis falcinellus</i>	Glossy Ibis		411	A: 1715; D: E, SE; R: E
<i>Casmerodius albus</i>	Great Egret		56	A: 1730; D: W, NW; R: E
<i>Egretta thula</i>	Snowy Egret	SSC	4	
<i>Bubulcus ibis</i>	Cattle Egret		41	
<i>Egretta caerulea</i>	Little Blue Heron	SSC	9	
<i>Butorides virescens</i>	Little Green Heron		5	
<i>Egretta tricolor</i>	Tricolored Heron	SSC	0	
<i>Ardea herodias</i>	Great Blue Heron		5	
<i>Mycteria americana</i>	Wood Stork	E	3	
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron		0	
<i>Nyctinassa violaceus</i>	Yellow-crowned Night Heron	SSC	0	
<i>Quiscalus major</i>	Boat-tailed Grackle		6	
<i>Quiscalus quiscula</i>	Common Grackle		12	
<i>Megasceryle alcyon</i>	Belted King Fisher		1	
<i>Gallinula chloropus</i>	Common Moorhen		0	
<i>Prophyrio martinica</i>	Purple gallinule		0	
<i>Pandion haliaeatus</i>	Osprey	SSC	2	Also sited on Clark Lake East
<i>Cardinalis cardinalis</i>	Cardinal		0	
<i>Cyanocitta cristata</i>	Blue Jay		0	
<i>Mimus polyglottos</i>	Northern Mockingbird		0	
<i>Different sp.</i>	Sea Gull		13	
<i>Anas fulvigula fulvigula</i>	Florida Mottled Duck		2	
<i>Corvus brachyrhynchos</i>	American Crow		5	
<b>Total</b>			<b>1141</b>	
<b>Comment Codes:</b>				
A - Began arriving; D - Flight direction (from); R - Preferred place in rookery				
SSC - Species of Special Concern				
T - Threatened				
E - Endangered				

Mirror Lake Rookery				
Species List				
Scientific Name	Common Name	Listing	1530 - 1800	Comments
<i>Phalacrocorax auritus</i>	Double Crested Cormorant		444	A: 109 there @1530;D: N,W; R: Top; Dominant Species
<i>Anhinga anhinga</i>	Anhinga		29	A: 1615; D: N, W; R: Top;
<i>Eudocimus albis</i>	White Ibis	SSC	412	A: 1645; D: N, W; R: East;
<i>Plegadis falcinellus</i>	Glossy Ibis		273	A: 1710; D: N, E; R: East;
<i>Casmerodius albus</i>	Great Egret		61	A: 1715; D: N, W; R: E, W;
<i>Egretta thula</i>	Snowy Egret	SSC	20	A: 1700 D: W; R: E, W
<i>Bubulcus ibis</i>	Cattle Egret			
<i>Egretta caerulea</i>	Little Blue Heron	SSC	36	A:1730; D: W; R: E, W; (16 immature)
<i>Butorides virescens</i>	Little Green Heron			
<i>Egretta tricolor</i>	Tricolored Heron	SSC		
<i>Ardea herodias</i>	Great Blue Heron		1	
<i>Mycteria americana</i>	Wood Stork	E		
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron			
<i>Nyctinassa violaceus</i>	Yellow-crowned Night Heron	SSC		
<i>Quiscalus major</i>	Boat-tailed Grackle		5	
<i>Quiscalus quiscula</i>	Common Grackle			
<i>Megasceryle alcyon</i>	Belted King Fisher			
<i>Gallinula chloropus</i>	Common Moorhen			
<i>Prophyrio martinica</i>	Purple gallinule			
<i>Pandion haliaeetus</i>	Osprey	SSC		
<i>Cardinalis cardinalis</i>	Cardinal			
<i>Cyanocitta cristata</i>	Blue Jay			
<i>Mimus polyglottos</i>	Northern Mockingbird			
<i>Larus atricilla</i>	Laughing Gull		4	
<i>Anas fulvigula fulvigula</i>	Florida Mottled Duck			
<i>Corvus brachyrhynchos</i>	American Crow			
<i>Fulica americana</i>	American Coot		8	
<b>Total</b>			<b>1293</b>	
<b>Comment Codes:</b>				
A - Began arriving; D - Flight direction (from); R - Preferred place in rookery				
SSC - Species of Special Concern				
T - Threatened				
E - Endangered				

Mirror Lake Rookery				
Species List				
Scientific Name	Common Name	Listing	1615-1815	Comments
<i>Phalacrocorax auritus</i>	Double Crested Cormorant		409	A: 2 @ 1615; Began arriving 1st D: N, NW R: Top; Predominant species
<i>Anhinga anhinga</i>	Anhinga		36	A: 7 @1615; D: NW, W; R: Top; Arrived singly
<i>Eudocimus albis</i>	White Ibis	SSC	483	A: 1645; D: N, W; R: East; Arrived in large flocks
<i>Plegadis falcinellus</i>	Glossy Ibis		508	A: 1730; D: N, E; SE R: East; Arrived in large flocks
<i>Casmerodius albus</i>	Great Egret		46	A: 1715; D: N, W; R: E, W; Arrived singly
<i>Egretta thula</i>	Snowy Egret	SSC	18	A: 7 @ 1615; D: W; R: North end, E, W
<i>Bubulcus ibis</i>	Cattle Egret		54	A: 1720 D: W; R: North end, E
<i>Egretta caerulea</i>	Little Blue Heron	SSC	12	A:1730; D: W; R: E, W; (3 immature)
<i>Butorides virescens</i>	Little Green Heron		3	
<i>Egretta tricolor</i>	Tricolored Heron	SSC	14	A: 1 @ 1615; D: ; R: W
<i>Ardea herodias</i>	Great Blue Heron		3	
<i>Mycteria americana</i>	Wood Stork	E		
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron		2	
<i>Nyctinassa violaceus</i>	Yellow-crowned Night Heron	SSC		
<i>Quiscalus major</i>	Boat-tailed Grackle			
<i>Quyscalus quiscula</i>	Common Grackle			
<i>Megaceryle alcyon</i>	Belted King Fisher			
<i>Gallinula chloropus</i>	Common Moorhen		2	
<i>Prophyrio martinica</i>	Purple gallinule			
<i>Pandion haliaeatus</i>	Osprey	SSC	1	
<i>Cardinalis cardinalis</i>	Cardinal			
<i>Cyanocitta cristata</i>	Blue Jay			
<i>Mimus polyglottos</i>	Northern Mockingbird			
<i>Larus atricilla</i>	Laughing Gull			
<i>Anas fulvigula fulvigula</i>	Florida Mottled Duck			
<i>Corrus brachyrhynchos</i>	American Crow			
<i>Fulica americana</i>	American Coot			
<b>Total</b>			<b>1591</b>	
<b>Comment Codes:</b>				
A - Began arriving; D - Flight direction (from); R - Preferred place in rookery				
SSC - Species of Special Concern				
T - Threatened				
E - Endangered				

Mirror Lake Rookery				
Species List				
Scientific Name	Common Name	Listing	1600-1840	Comments
<i>Phalacrocorax auritus</i>	Double Crested Cormorant		146	<b>A:</b> 5:15; <b>D:</b> NW, W; <b>R:</b> Top
<i>Anhinga anhinga</i>	Anhinga		30	<b>A:</b> 4:15; <b>D:</b> N, NW; <b>R:</b> Evenly distributed
<i>Eudocimus albis</i>	White Ibis	<b>SSC</b>	661	<b>A:</b> 5:15; <b>D:</b> NW, E, SE; <b>R:</b> East side; Many immature
<i>Plegadis falcinellus</i>	Glossy Ibis		368	<b>A:</b> 5:30; <b>D:</b> NW, E; <b>R:</b> East side
<i>Casmerodius albus</i>	Great Egret		49	<b>A:</b> 6:00; <b>D:</b> NW, W; <b>R:</b> Evenly distributed
<i>Egretta thula</i>	Snowy Egret	<b>SSC</b>	16	<b>A:</b> 5:30; <b>D:</b> NW; <b>R:</b> North end and east side
<i>Bubulcus ibis</i>	Cattle Egret		66	<b>A:</b> 4:40; <b>D:</b> N, NW; <b>R:</b> East side
<i>Egretta caerulea</i>	Little Blue Heron	<b>SSC</b>	18	<b>A:</b> 6:00; <b>D:</b> NW, W; <b>R:</b> Evenly distributed
<i>Butorides virescens</i>	Little Green Heron			
<i>Egretta tricolor</i>	Tricolored Heron	<b>SSC</b>		
<i>Ardea herodias</i>	Great Blue Heron		1	
<i>Mycteria americana</i>	Wood Stork	<b>E</b>		
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron		1	
<i>Nyctinassa violaceus</i>	Yellow-crowned Night Heron	<b>SSC</b>		
<i>Quiscalus major</i>	Boat-tailed Grackle		3	
<i>Qyuscalus quiscula</i>	Common Grackle			
<i>Megaceryle alcyon</i>	Belted King Fisher			
<i>Gallinula chloropus</i>	Common Moorhen		2	
<i>Prophyrio martinica</i>	Purple gallinule			
<i>Pandion haliaeatus</i>	Osprey	<b>SSC</b>	1	
<i>Cardinalis cardinalis</i>	Cardinal			
<i>Cyanocitta cristata</i>	Blue Jay			
<i>Mimus polyglottos</i>	Northern Mockingbird			
<i>Larus atricilla</i>	Laughing Gull			
<i>Anas fulvigula fulvigula</i>	Florida Mottled Duck			
<i>Corvus brachyrhynchos</i>	American Crow			
<i>Fulica americana</i>	American Coot			
<i>Aramus guarauna</i>	Limpkin	<b>SSC</b>	1	
<b>Total</b>			<b>1363</b>	
<b>Comment Codes:</b>				
<b>A</b> - Began arriving; <b>D</b> - Flight direction (from); <b>R</b> - Preferred place in rookery				
<b>SSC</b> - Species of Special Concern				
<b>T</b> - Threatened				
<b>E</b> - Endangered				



**Mirror Lake Rookery**

<b>Species List</b>				
<b>Scientific Name</b>	<b>Common Name</b>	<b>Listing</b>	<b>1715-1945</b>	<b>Comments</b>
<i>Phalacrocorax auritus</i>	Double Crested Cormorant		188	<b>A:</b> 5:15; <b>D:</b> NW, W; SW; <b>R:</b> Top
<i>Anhinga anhinga</i>	Anhinga		70	<b>A:</b> Present; <b>D:</b> N, NW; <b>R:</b> Evenly distributed; Nesting
<i>Eudocimus albis</i>	White Ibis	<b>SSC</b>	376	<b>A:</b> 5:30; <b>D:</b> NW, E, SE; <b>R:</b> East side; Many immature
<i>Plegadis falcinellus</i>	Glossy Ibis		270	<b>A:</b> 5:30; <b>D:</b> NW, E; <b>R:</b> East side
<i>Casmerodius albus</i>	Great Egret		14	<b>A:</b> 6:15; <b>D:</b> NW, W; <b>R:</b> Evenly distributed
<i>Egretta thula</i>	Snowy Egret	<b>SSC</b>	25	<b>A:</b> 5:30; <b>D:</b> NW; <b>R:</b> North end and east side; Nesting
<i>Bubulcus ibis</i>	Cattle Egret		49	<b>A:</b> 5:20 ; <b>D:</b> N, NW; <b>R:</b> East side; Nesting
<i>Egretta caerulea</i>	Little Blue Heron	<b>SSC</b>	21	<b>A:</b> 6:00; <b>D:</b> NW, W; <b>R:</b> Evenly distributed
<i>Butorides virescens</i>	Little Green Heron			
<i>Egretta tricolor</i>	Tricolored Heron	<b>SSC</b>	17	<b>A:</b> 6:15; <b>D:</b> NW, W; <b>R:</b> Evenly distributed
<i>Ardea herodias</i>	Great Blue Heron			
<i>Mycteria americana</i>	Wood Stork	<b>E</b>		
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron			
<i>Nyctinassa violaceus</i>	Yellow-crowned Night Heron	<b>SSC</b>		
<i>Quiscalus major</i>	Boat-tailed Grackle		10	<b>A:</b> Present; <b>D:</b> West; <b>R:</b> Top; Nesting
<i>Quiscalus quiscula</i>	Common Grackle			
<i>Megasceryle alcyon</i>	Belted King Fisher			
<i>Gallinula chloropus</i>	Common Moorhen		2	
<i>Prophyrio martinica</i>	Purple gallinule			
<i>Pandion haliaeetus</i>	Osprey	<b>SSC</b>	1	
<i>Cardinalis cardinalis</i>	Cardinal			
<i>Cyanocitta cristata</i>	Blue Jay			
<i>Mimus polyglottos</i>	Northern Mockingbird			
<i>Larus atricilla</i>	Laughing Gull			
<i>Anas fulvigula fulvigula</i>	Florida Mottled Duck			
<i>Corvus brachyrhynchos</i>	American Crow			
<i>Fulica americana</i>	American Coot			
<i>Aramus guarauna</i>	Limpkin	<b>SSC</b>		
<b>Total</b>			<b>1043</b>	

**Comment Codes:**  
**A** - Began arriving; **D** - Flight direction (from); **R** - Preferred place in rookery

**SSC** - Species of Special Concern  
**T** - Threatened  
**E** - Endangered

Mirror Lake Rookery				
Species List				
Scientific Name	Common Name	Listing	1645-2000	Comments
<i>Phalacrocorax auritus</i>	Double Crested Cormorant		7	0 Present at 1700; <b>A</b> : 1850; Many less than usual;
<i>Anhinga anhinga</i>	Anhinga		72	9 Adults; Could count 8 chicks @ 1700;
<i>Eudocimus albis</i>	White Ibis	<b>SSC</b>	264	2 Present @ 1700; Others arrived throughout evening; <b>R</b> ; <b>S</b> end
<i>Plegadis falcinellus</i>	Glossy Ibis		155	18 Present @1700; Nesting; Others arrived throughout evening
<i>Casmerodius albus</i>	Great Egret		17	1 Present @ 1700; Nesting; Others arrived late
<i>Egretta thula</i>	Snowy Egret	<b>SSC</b>	30	7 Present @ 1700; Nesting; Others arrived throughout evening
<i>Bubulcus ibis</i>	Cattle Egret		77	13 Present @ 1700; Nesting; Others arrived throughout evening
<i>Egretta caerulea</i>	Little Blue Heron	<b>SSC</b>	27	7 Present @1700; Nesting; Others arrived throughout evening
<i>Butorides virescens</i>	Little Green Heron		3	<b>A</b> : 1925; <b>D</b> : West; <b>R</b> : Stayed in Brazilian Peppers along shore
<i>Egretta tricolor</i>	Tricolored Heron	<b>SSC</b>	18	4 Present @ 1700; Nesting; Others arrived throughout evening
<i>Ardea herodias</i>	Great Blue Heron		4	
<i>Mycteria americana</i>	Wood Stork	<b>E</b>		
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron			
<i>Nyctinassa violaceus</i>	Yellow-crowned Night Heron	<b>SSC</b>		
<i>Quiscalus major</i>	Boat-tailed Grackle		10	Nesting
<i>Quiscalus quiscula</i>	Common Grackle			
<i>Megaceryle alcyon</i>	Belted King Fisher			
<i>Gallinula chloropus</i>	Common Moorhen		2	
<i>Prophyrio martinica</i>	Purple gallinule			
<i>Pandion haliaeatus</i>	Osprey	<b>SSC</b>	2	Soaring
<i>Cardinalis cardinalis</i>	Cardinal		1	
<i>Cyanocitta cristata</i>	Blue Jay			
<i>Mimus polyglottos</i>	Northern Mockingbird			
<i>Larus atricilla</i>	Laughing Gull		1	
<i>Anas fulvigula fulvigula</i>	Florida Mottled Duck			
<i>Corvus brachyrhynchos</i>	American Crow			
<i>Fulica americana</i>	American Coot			
<i>Aramus guarauna</i>	Limpkin	<b>SSC</b>		
<i>Haliaeetus leucocephalis</i>	Bald Eagle	<b>T</b>	1	Soaring
<i>Sterna antillarum</i>	Least Tern		2	Fishing
<i>Anas fulvigula fulvigula</i>	Florida Mottled Duck		3	
<i>Alligator mississippiensis</i>	American Alligator			6'-8' in length; North end; Hunting; 1st time I have observed.
<b>Total</b>			<b>690</b>	
<b>Comment Codes:</b>				
<b>A</b> - Began arriving; <b>D</b> - Flight direction (from); <b>R</b> - Preferred place in rookery				
<b>SSC</b> - Species of Special Concern				
<b>T</b> - Threatened				
<b>E</b> - Endangered				