

Explanations for Table 1:

- 1a. Number of registered vessels in the State by county on 01/01/00.
(http://floridaconservation.org/law/boating/2000stats/allVessel_ByCounty1.pdf)
- 1b. Number of registered vessels in the State by county on 01/01/01. [Data provided by Florida Department of Highway Safety and Motor Vehicles, Bureau of Vessel Registrations]
- 1c. Number of registered vessels in the State by county on 01/01/02. [Data provided by Florida Department of Highway Safety and Motor Vehicles, Bureau of Vessel Registrations]
- 2a. Number of existing LE positions available for manatee protection by county on 01/01/00. [Data not available].
- 2b. Number of additional positions resulting from the reorganization of the State's Division of Law Enforcement (DLE) by county on 01/01/01. [Data from DLE's Uniform Patrol Deployment Structure]
- 2c. Number of additional positions resulting from the reassignment of LE personnel available for manatee protection by county on 07/01/01. [Data from DLE's Uniform Patrol Deployment Structure]
- 2d. Number of LE positions available for manatee protection by county on 01/01/02. [Data from DLE]
- 3a. Number of vacant LE positions by county on 01/01/00. [Data not available]
- 3b. Number of vacant LE positions by county on 01/01/01. [Data not available]
- 3c. Number of vacant LE positions by county on 01/01/02. [Data from DLE]
- 4a. Number of vessels per officer by county on 01/01/00. [Incomplete data to run the calculation]
- 4b. Number of vessels per officer by county on 01/01/01. Example: Brevard County = 33,930 vessels / 8 officers = 4,241 vessels per officer.
- 4c. Number of vessels per officer by county on 01/01/02. Example: Brevard County = 33,930 vessels / 21 officers = 1,857 vessels per officer.
- 5a. Percent decrease in vessels per officer by county from 01/01/00 to 01/01/01. [Incomplete data to run the calculation]
- 5b. Percent decrease in vessels per officer by county from 01/01/01 to 01/01/02. Example: Brevard County = $4,241 - 1,857 / 4,241 = a 56\%$ decrease in number of vessels per officer.
- 6a. Officers work 1,920 hours annually with 4 weeks vacation. Officers as of 01/01/00 spend 30% of their time on manatee protection by county. The 30% is the amount of time estimated by DLE (meeting dated June 19, 2001) [Incomplete data to run the calculation]
- 6b. Officers as of 01/01/01 spend 30% of their time on manatee protection by county. Example: Brevard County = 1,920 hours x 0.3 = 576 hours of manatee protection per officer; 576 hours / 4,241 vessels = 0.135 hour / vessel x 60 minutes = 8.1 minutes per vessel.
- 6c. Officers as of 01/01/02 spend 30% of their time on manatee protection by county. Example: Brevard County = 1,920 hours x 0.4 = 576 hours of manatee protection per officer; 576 hours / 1,857 vessels = 0.310 hour / vessel x 60 minutes = 18.6 minutes per vessel.

- 7a. Percent increase in minutes per vessel from 01/01/00 to 01/01/01 by county. [Incomplete data o run the calculation]
- 7b. Percent increase in minutes per vessel from 01/01/01 to 01/01/02 by county. Example: Brevard County = $18.6 - 8.1 / 8.1 =$ a 128% increase in number of officer minutes per vessel.
- 8a. Number of new slips resulting from single family docks with NLAA concurrence from the Service by county in 2001.
- 8b. Number of new slips resulting from multi-slip projects with NLAA concurrence from the Service by county in 2001.
- 8c. Number of total new slips with NLAA concurrence from the Service by county in 2001.
- 9a. Watercraft-related manatee mortality by county in 1999.
- 9b. Watercraft-related manatee mortality by county in 2000.
- 9c. Watercraft-related manatee mortality by county in 2001.

Table 2: MANATEE ACTIVITY REPORT FY2001 & FY2002 (COAST GUARD)

	<u>LOCATION CODE</u>	<u>DIVISION LOCATION</u>	<u>VIOLATIONS - 2001</u>	<u>VIOLATIONS - 2002 *</u>
1.	MF13	ORLANDO	41	3
2.	MF21	TAMPA	55	38
3.	MF50	FT. MYERS	27	20
4.	MF80	OCALA	54	1
5.	SF8	PALM BEACH	10	0
6.	SF15	FT. LAUDERDALE	10	4
7.	SF16	MIAMI	504	20
8.	SF17	FT. PIERCE	10	0
	TOTALS		711	86

* Totals as of 03/04/02; cases are down considerably due to the events of 9/11/01

Table 3: ANNUAL LAW ENFORCEMENT MANATEE ACTIVITY REPORT FY2001 (FWS ONLY)

DETAIL DATE	LOCATION	#VIOL	#VESSELS	#AGENTS	#INSP	#REFUGE	#OTHER
1. NOV 4/5, 00	FT. MYERS	35	3	5	0	1	0
2. JAN 27/28, 01	FT. MYERS	33	3	3	1	3	0
3. FEB 24/25, 01	NAPLES	42	4	6	0	1	1
4. MAR 17/18, 01	ST JOHNS RIVER	15	2	4	0	0	0
5. MAR 17/18, 01	NAPLES	43	2	4	0	0	0
6. MAR 31/APR 1	SARASOTA	30	3	8	0	0	0
7. APR 14/15, 01	TITUSVILLE	41	3	5	0	1	0
8. APR 28/29, 01	ST. JOHNS RIVER	32	4	5	1	2	0
9. MAY 12/13, 01	NAPLES	30	3	5	1	1	0
10. MAY 26/27/28	TITUSVILLE	85	4	8	1	2	1
11. JUL 4-8, 01	TITUSVILLE	140	5	8	1	5	2
12. SEP 1-3, 01	NAPLES	75	4	3	1	4	0
	TOTALS	601	40	64	6	20	4

Table 4: ANNUAL LAW ENFORCEMENT MANATEE ACTIVITY REPORT FY2002 (FWS/LE ONLY)

DETAIL DATE	LOCATION	#VIOL	#VESSELS	FWS PERSONNEL			START HOURS	OVERALL COMPLIANCE
				#AGENTS	#INSP	#REFUGE		
1. DEC 01/02, 01	LEE	21	2	3	0	1	58	GOOD
2. JAN 12/13, 02	LEE	19	3	4	0	3	129	GOOD
3. FEB 09/10, 02	LEE/COLLIER	36	3	3	0	2	106	GOOD
4. FEB 23/24, 02	LEE	32	4	7	0	3	145	GOOD
5. MAR 23/24, 02	COLLIER							
6. APR 20/21, 02	VOLUSIA							
7. MAY 25/26/27	BREVARD							
8. JUNE 22/23, 02	SARASOTA							
9. JULY 4/5/6/7	BREVARD							
10. AUG 10/11, 02	LEE							
11. AUG 31/SEPT/2	COLLIER							
TOTALS		108	12	17	0	9	438	

Table 5: Number of citations issued by State and local law enforcement agencies

County	Agency	2001 Citations
Brevard		283
	FWC-DLE	235
	Brevard County Sheriffs Office	44
	Police Departments	4
Broward		326
	FWC-DLE	224
	Broward County Sheriffs Office	69
	Police Departments	33
Citrus		218
	FWC-DLE	217
	Citrus County Sheriffs Office	1
Clay		8
	FWC-DLE	6
	Clay County Sheriffs Office	2
Collier		203
	FWC-DLE	120
	Collier County Sheriffs Office	82
	Police Departments	1
Dixie		0
	Dixie County Sheriffs Office	0
Duval		109
	FWC-DLE	109
Hillsborough		36
	FWC-DLE	35
	Hillsborough County Sheriffs Office	1
Indian River		55
	FWC-DLE	55
Lee		389
	FWC-DLE	341
	Lee County Sheriffs Office	2
	Police Departments	46
Levy		42
	FWC-DLE	42

Table 5: Number of citations issued by State and local law enforcement agencies

County	Agency	2001 Citations
Martin		123
	FWC-DLE	94
	Martin County Sheriffs Office	26
	Police Departments	3
Miami-Dade		1,291
	FWC-DLE	456
	Miami-Dade Metro Police Department	379
	Police Departments	456
Palm Beach		198
	FWC-DLE	109
	Palm Beach County Sheriffs Office	67
	Police Departments	22
Putnam		8
	FWC-DLE	8
Sarasota		125
	FWC-DLE	90
	Sarasota County Sheriffs Office	32
	Police Departments	3
St. Johns		1
	FWC-DLE	1
St. Lucie		67
	FWC-DLE	44
	St. Lucie County Sheriffs Office	22
	Police Departments	1
Volusia		647
	FWC-DLE	403
	Volusia County Sheriffs Office	240
	Police Departments	4
Grand Total		4,129

Table 6. Comparison of sites recommended by SMC at the July 23, 2001, meeting to our manatee protection area site selection criteria.

Site Name	County	C1	C2	C3	C4	Comments
Mulberry Cove	Duval	X	X	?	X	Not mentioned by SMC, but mentioned by FWS as alternative to Goodby's Creek. Limited historic or potential continued take, but would make nice sanctuary. FWC not considering action in this area. Potential for action with Navy.
Goodby's Creek	Duval	X				SMC recommended sanctuary. Currently slow speed, County will make it idle speed soon. No FWS action warranted (see Mulberry Cove). FWC not considering action.
Downtown Jacksonville	Duval	X	X			SMC recommends slow speed with 25 mph channel (return to previous designation). Would be more effectively addressed through County MPP. County currently improving signage, to resolve FWS concerns. FWC believes current plan should be given time to work, and will evaluate the area in 2003.
Tomoka River	Volusia	X	X	X	X	SMC wants slow speed throughout. Low mortality historically, but three deaths in 2001. Low priority but worth looking at. FWC is not considering action.
Haulover Canal Observation Area	Brevard	X	X	X	X	SMC wants small sanctuary. Low priority, but worth looking at. FWS NWR favors establishment. FWC is not considering action.
Barge Canal/Sykes Creek	Brevard	X	X	X	X	SMC wants slow speed. Fixed per recent State and/or federal rules.
Canaveral Sewer	Brevard	X	X			SMC wants sanctuary. Low Priority, limited potential for current or future take. FWC not considering action.
Sebastian River	Brevard	X				SMC claims enforcement is inadequate. Limited evidence of recent take. Little or no potential for future take. FWC is not considering action.

Site Name	County	C1	C2	C3	C4	Comments
Indian River SE of Railroad Bridge	Brevard	X		?	?	SMC wants slow speed zone. FWC recently converted from slow speed to high speed use. FWC rule not yet implemented, and ramifications of rule change uncertain. FWS should monitor, but action not warranted at this time.
Rivera Beach Power Plant	Palm Beach	X	X	X	X	SMC wants seasonal idle speed in AIW. Continued potential for take with current regulations. Low priority but potentially worth looking at. FWC is not considering action.
Manatee River/Braden River	Manatee	X	X	X	?	SMC wants slow speed with 25 mph channel. Currently unregulated. Potential for future take increasing with rapid development of area. Worth looking at, but size of waterbody may prove difficult for us to regulate effectively. FWC not considering action. Potential for County action.
Bokeelia Point	Lee	X	X	X	X	SMC wants slow speed zone. Low priority but potential for future consideration. FWC will evaluate in 2003.
Caloosahatchee River	Lee	X	X	?	?	SMC wants slow speed with 25mph channel. Current zones appear adequate, but high levels of take continue. Cause of problem not apparent. Size of waterbody would prove difficult for us to regulate effectively. FWC is evaluating. FWS should also evaluate.
Ten-mile Canal/Mullock Creek	Lee	X	X	X	?	SMC wants slow speed zone in creek and sanctuary in borrow pits. Recently adopted FWC zones have not been implemented, but would weaken existing protections in creek. May pose risk of increased take. FWC will evaluate, wants to give new zones a chance to work. FWC not considering sanctuary. FWS should monitor new FWC zone.

Site Name	County	C1	C2	C3	C4	Comments
Southern San Carlos Bay	Lee	X	X	X	X	SMC wants slow speed zone with 25 mph channel. Continued potential for take with existing regulations. Probably worth future consideration. FWC will evaluate.
Everglades National Park	Monroe/ Collier	X	X	X		SMC wants 25 mph speed limit. This would be ineffective. Continued potential for take with existing regulations. FWS could not take effective action. Best dealt with through NPS regulations, which they have committed to do. FWC is not considering action.
Ten Thousand Islands	Collier	X	X	X	?	SMC wants action, but has no recommendation. Existing zones inadequate. Potential for continued take, but effective solution is not apparent. FWC will evaluate. FWS should also evaluate.
Faka Union Canal/Port of the Islands	Collier	X	X	?		SMC wants small sanctuaries in finger canals. Effectiveness of such designations in this area questionable. FWC will evaluate.

Criteria:

C1 = Evidence of manatee use

C2 = History of take

C3 = Continued potential for take

C4 = Potential for effective FWS management

(An 'X' indicates that this criteria is met for this site, a '?' indicates that it cannot be determined whether this criteria can be met)

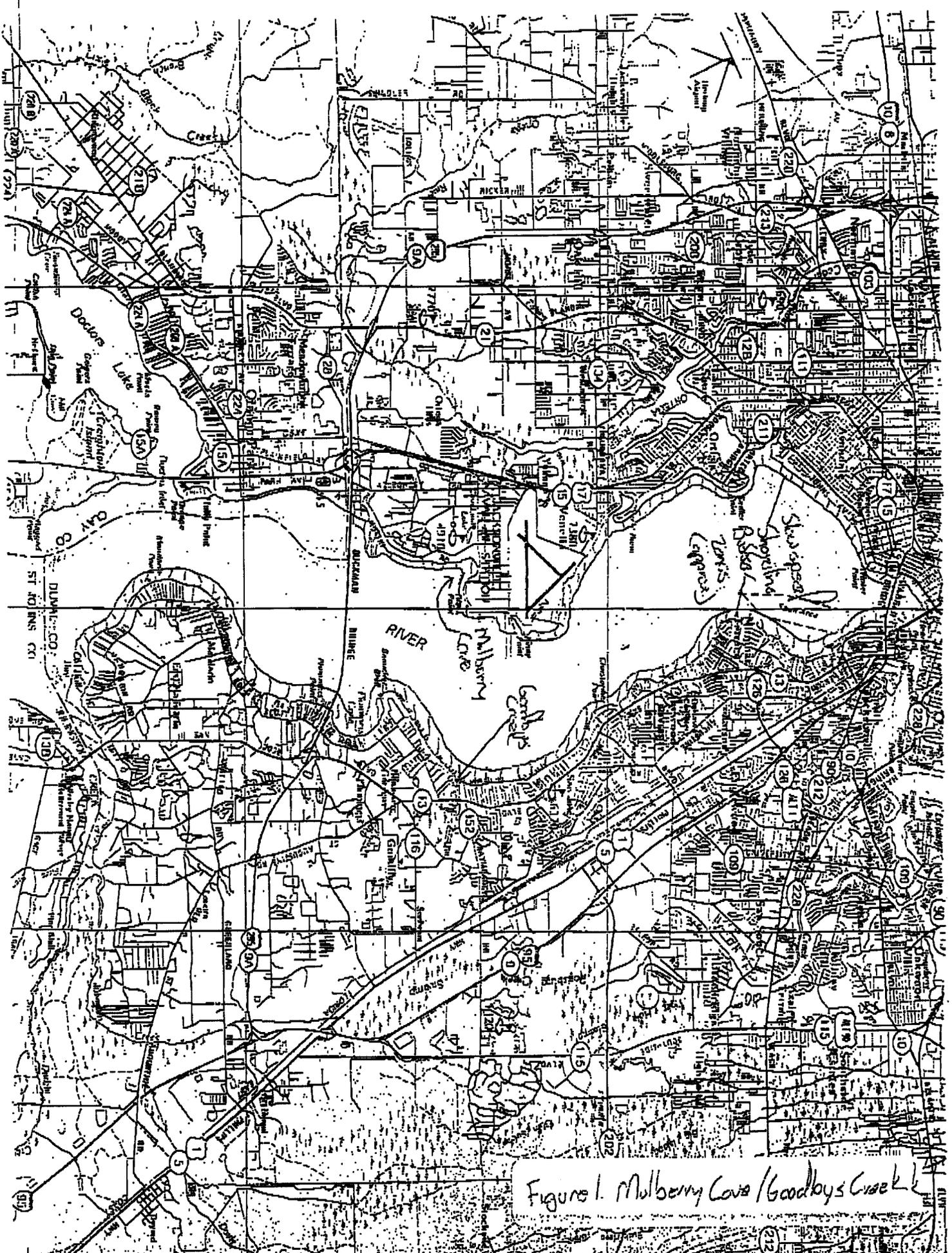


Figure 1. Mulberry Cove / Goodboys Creek

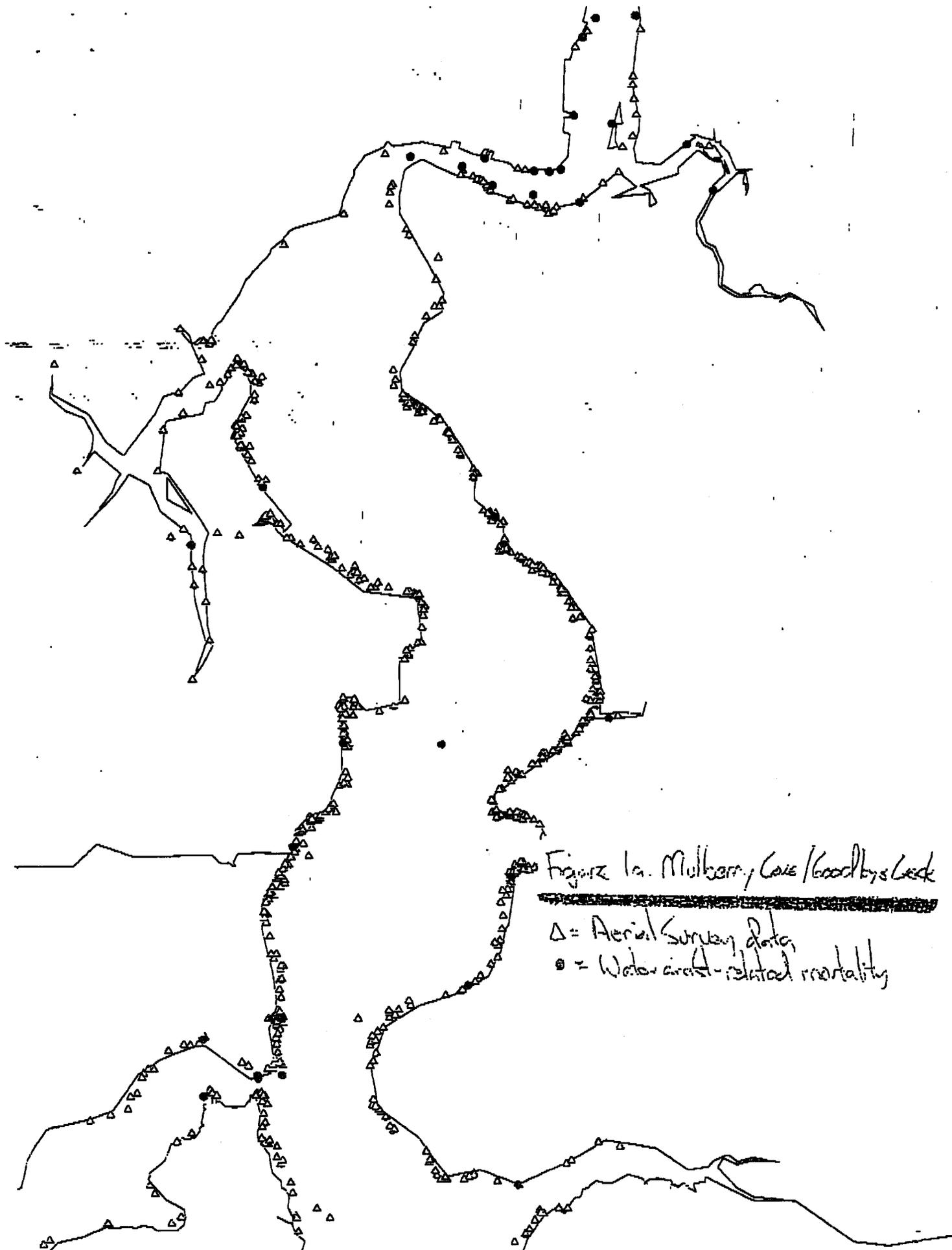


Figure 1a. Mulberry Cove/Goodby's Cove

Δ = Aerial Survey data
 \bullet = Watercraft-related mortality

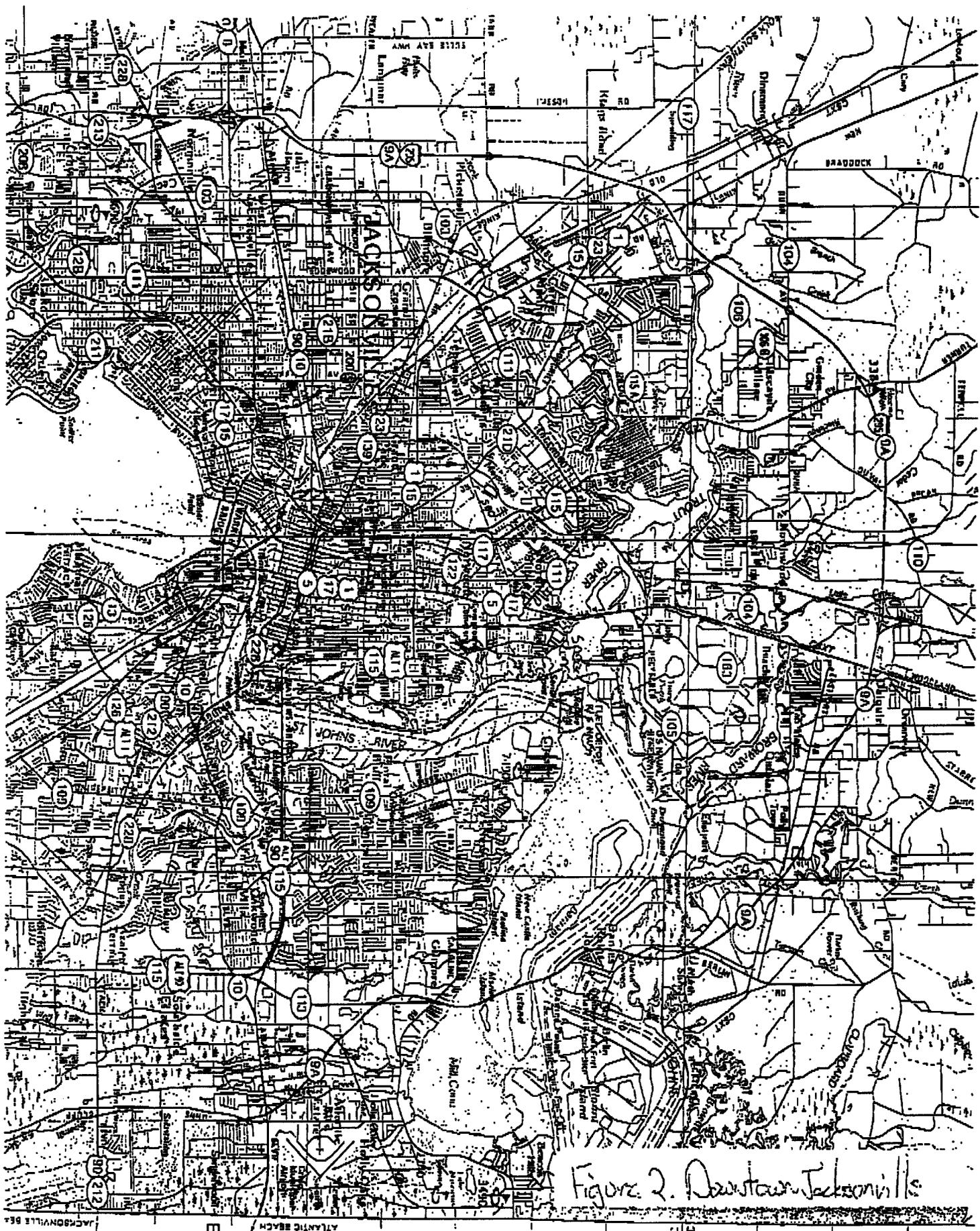


Figure 2. Downtown Jacksonville

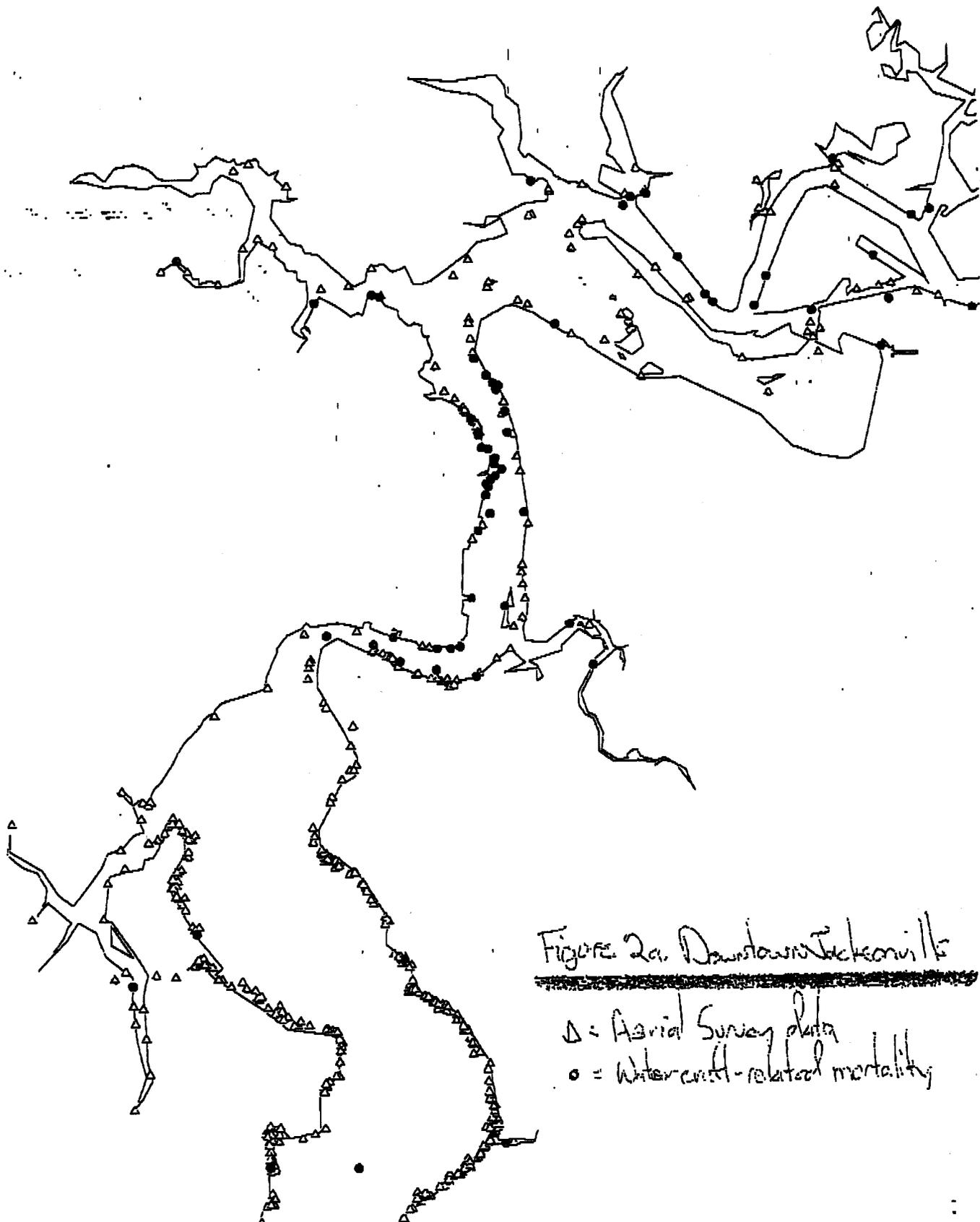


Figure 2a. Downtown Jackson, MS

△ = Aerial Survey data
● = Watercraft-related mortality

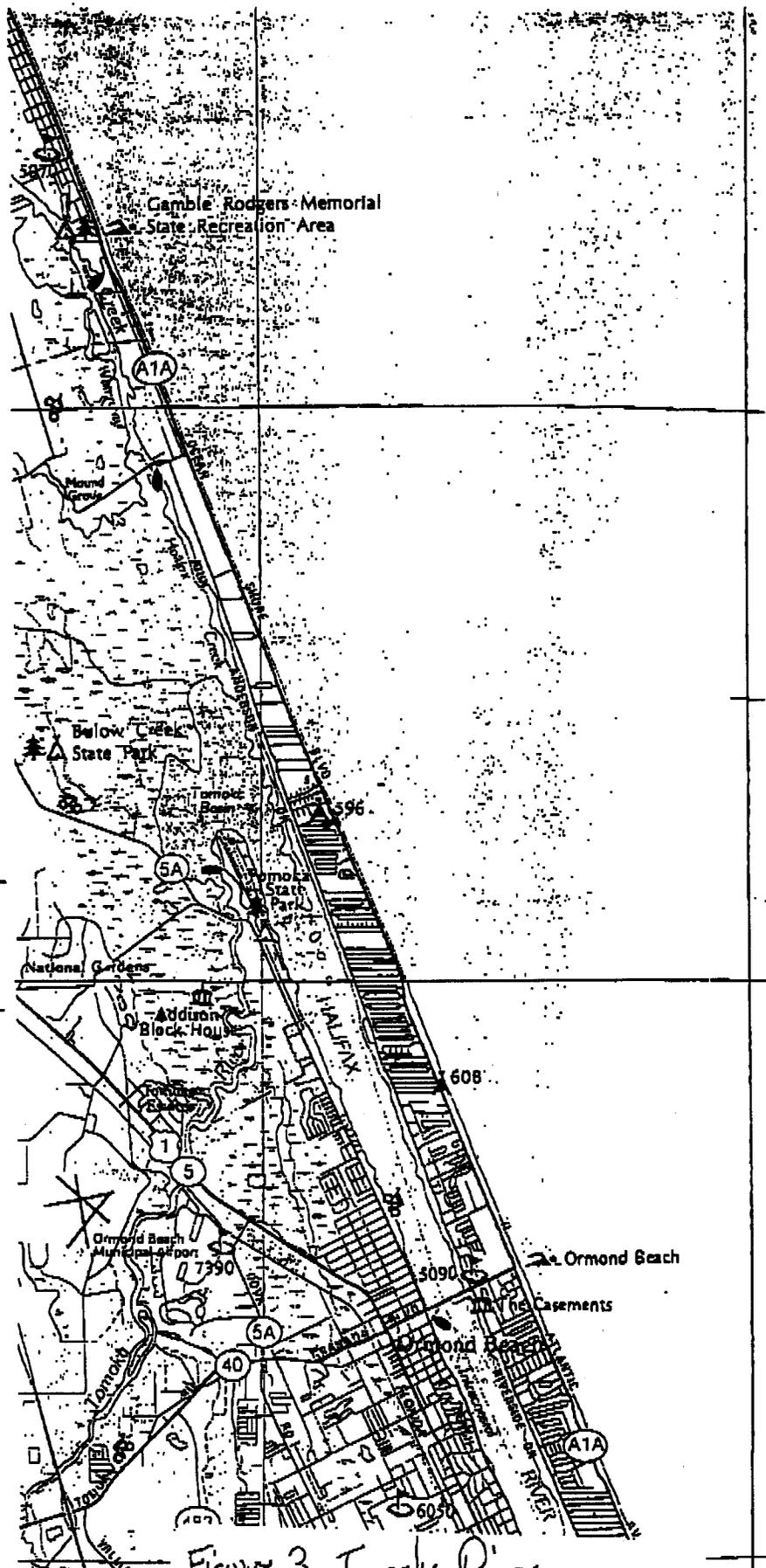
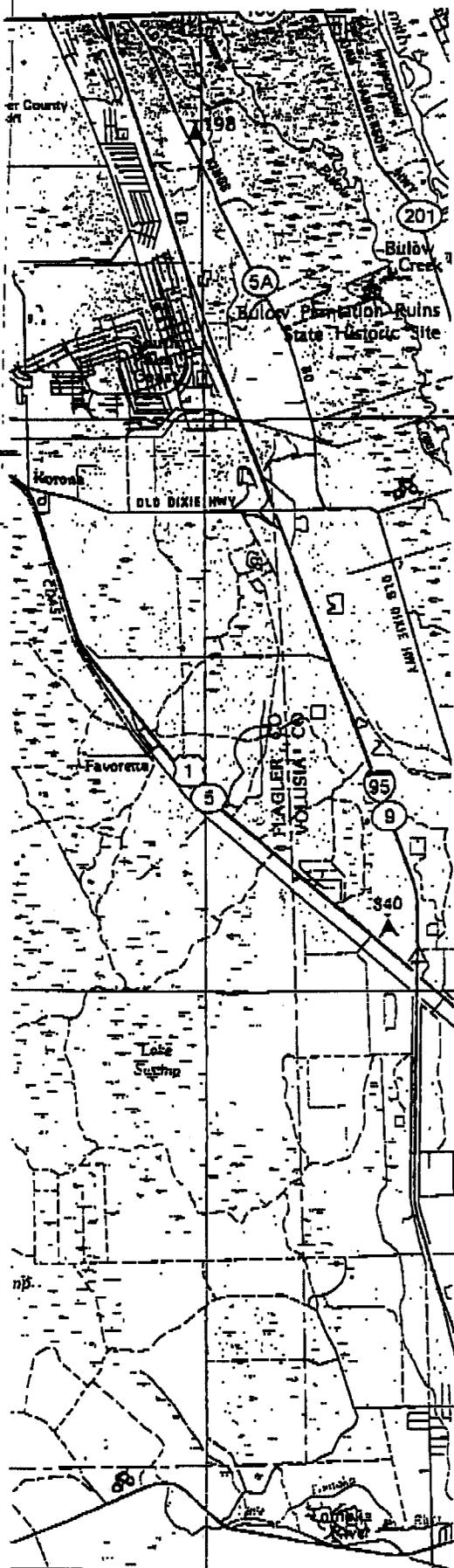
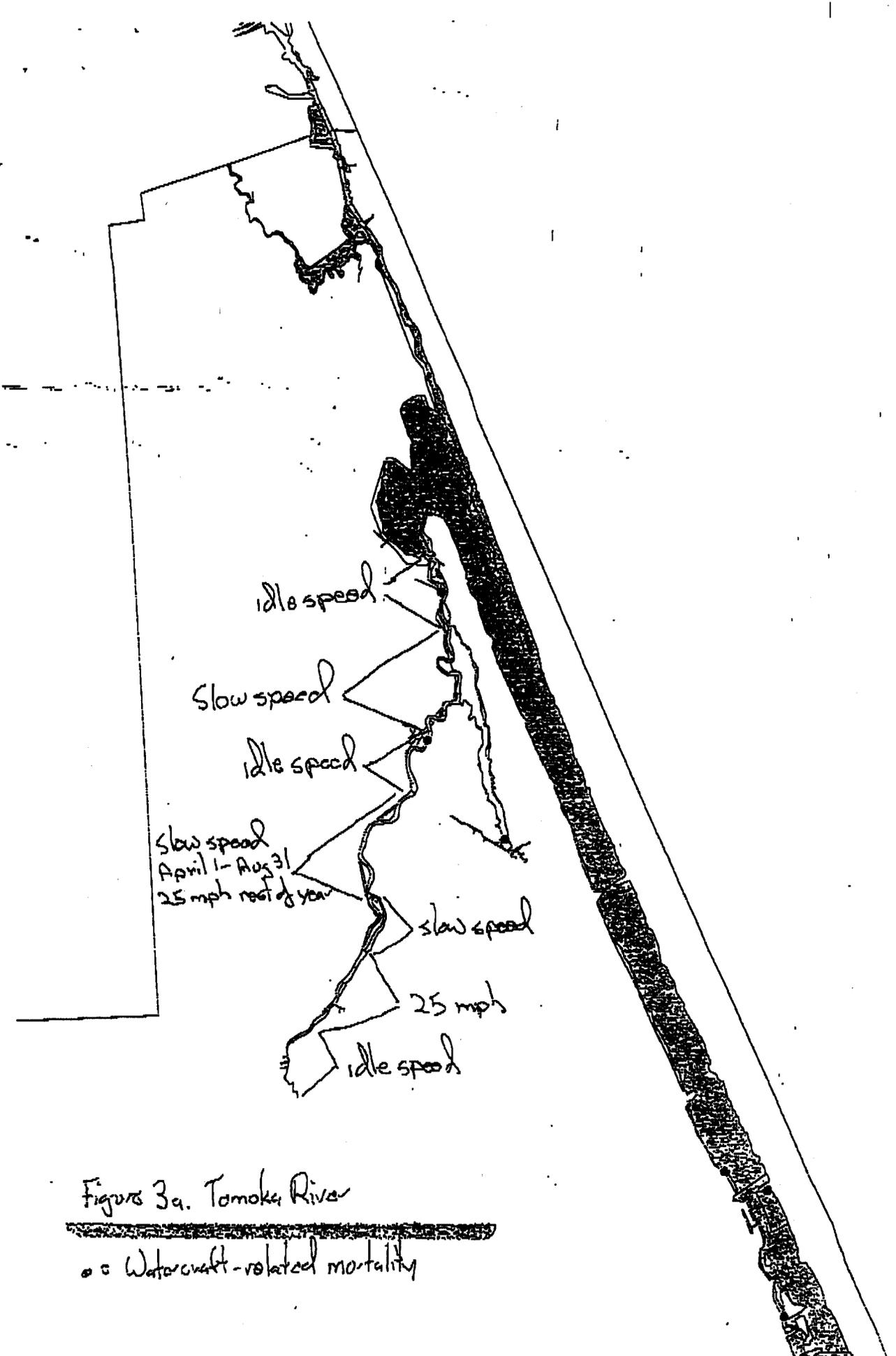


Figure 3. Tomoka River



Figures 3a. Tomoka River

• • Watercraft-related mortality