

## Environmental Resource Analysis: Resources-At-Risk Report

### All Analyses for Ecosystem Management Agreement Area

December 12, 2003, rev. January 6, 2004

**Event Class = Generic Polygons**  
**Event Name = Ecosystem Management Agreement Area**  
**Entry Date = 2003/12/11/11:00:22**  
**Entry User = user\_id**  
**Buffer Distance = 0 (feet)**  
**Boundary Area Analyzed = 28379.99 (acres)**

### General/Descriptive

#### NRCS Ecological Communities within Boundary

	Percent Area	Area
1	0.00%	0.00 (acres)
17, 21, 22,	30.17%	8562.05 (acres)
18	0.21%	58.24 (acres)
21	4.06%	1153.55 (acres)
21, 22	5.87%	1666.72 (acres)
22	0.64%	182.91 (acres)
3	1.19%	338.34 (acres)
3, 7	0.62%	177.33 (acres)
4	7.16%	2031.11 (acres)
4, 5	1.78%	505.66 (acres)
5	1.55%	439.08 (acres)
7	39.01%	11069.93 (acres)
7, 21	0.10%	28.51 (acres)
7, 25	7.36%	2090.13 (acres)
Disturbed	0.19%	54.21 (acres)
Water	0.08%	22.22 (acres)

Total Area = 28379.99 (acres)

#### NFWMD Land Use (FLUCCS Level 3) within Boundary

	Percent Area	Area
1100	0.01%	3.97 (acres)
1200	0.02%	7.08 (acres)
1300	0.01%	2.57 (acres)
1400	0.00%	0.52 (acres)
1660	0.01%	2.06 (acres)
1720	0.00%	0.52 (acres)
1800	0.00%	1.11 (acres)
2100	0.01%	1.72 (acres)
3200	0.90%	255.29 (acres)
3220	0.01%	3.11 (acres)
4100	2.83%	802.79 (acres)
4340	1.06%	299.65 (acres)

4410	62.14%	17636.71 (acres)
4430	7.52%	2134.54 (acres)
5100	0.00%	0.96 (acres)
5200	0.01%	3.45 (acres)
5300	0.12%	32.68 (acres)
6100	0.07%	19.28 (acres)
6200	1.94%	549.51 (acres)
6210	0.06%	16.32 (acres)
6300	18.77%	5327.51 (acres)
6410	0.88%	250.37 (acres)
6420	0.36%	102.60 (acres)
6510	0.01%	1.52 (acres)
6530	0.01%	1.66 (acres)
6900	2.65%	751.98 (acres)
7200	0.08%	22.42 (acres)
7400	0.15%	42.00 (acres)
8140	0.00%	0.00 (acres)
8210	0.00%	0.98 (acres)
8310	0.00%	1.04 (acres)
8320	0.28%	80.76 (acres)
8340	0.02%	6.46 (acres)

Total Area = 28379.99 (acres)

### NWI Wetlands within Boundary

	Classification	Classification	Classification	Percent Area	Area
	E	2	EM	0.58%	163.36 (acres)
	L	2	FL	0.10%	29.09 (acres)
	P		EM	50.03%	14199.81 (acres)

Total Area = 28379.99 (acres)

### Soils by Name within Boundary

	Percent Area	Area
Arents, 0 to 5	0.16%	44.58 (acres)
Arents, 2 to 8	0.03%	7.35 (acres)
BAYVI LOAMY SAND	0.00%	0.00 (acres)
Centenary sand, 0 to 5	0.12%	33.72 (acres)
Chipley sand, 0 to 5	1.55%	439.08 (acres)
DIREGO MUCK	0.21%	58.24 (acres)
DOROVAN-PAMLICO ASSOCIATION,	0.36%	102.93 (acres)
DUCKSTON MUCK, FREQUENTLY FL	0.00%	0.00 (acres)
Foxworth sand, 0 to 5	1.65%	467.81 (acres)
Foxworth sand, 5 to 8	0.13%	37.85 (acres)
Hurricane sand	4.06%	1151.53 (acres)
Hurricane Sand, 0 to 5	2.77%	785.43 (acres)

Kureb sand, 0 to 5	0.28%	79.01 (acres)
Kureb sand, 0 to 8	0.09%	25.97 (acres)
Kureb sand, hilly	0.03%	9.40 (acres)
Lakeland sand , 0 to 5	0.17%	48.03 (acres)
Lakeland sand 0 to 5 percent slopes	0.04%	12.39 (acres)
LEON SAND	25.36%	7197.47 (acres)
Mandarin sand	0.85%	241.03 (acres)
OSIER FINE SAND	0.10%	28.51 (acres)
PAMLICO MUCK	4.06%	1153.55 (acres)
PAMLICO-DOROVAN COMPLEX	5.51%	1563.79 (acres)
PICKNEY SAND, DEPRESSIONAL	0.64%	182.91 (acres)
PITS	0.01%	2.28 (acres)
POTTSBURG SAND	21.01%	5962.59 (acres)
Resota fine sand, 0 to 5	0.56%	160.26 (acres)
RUTLEGE FINE SAND	2.36%	669.91 (acres)
RUTLEGE SAND	27.81%	7892.14 (acres)
Unclassified - Water	0.08%	22.22 (acres)

Total Area = 28379.99 (acres)

#### Hydric Status of Soils within Boundary

	Percent Area	Area
NonHydric	11.94%	3388.34 (acres)
Not Primary	47.00%	13339.67 (acres)
Primary	41.06%	11651.98 (acres)

Total Area = 28379.99 (acres)

#### Estimation of Corps Jurisdiction within Boundary

	Percent Area	Area
Upland	35.44%	10058.18 (acres)
50% Waterward Not Primary	23.50%	6669.84 (acres)
Primary	41.06%	11651.98 (acres)

Total Area = 28379.99 (acres)

#### Primary Hydric Soils with Timber Cover within Boundary

	Percent Area	Area
Planted	19.03%	5400.80 (acres)
Unplanted	21.60%	6129.97 (acres)

Total Area = 28379.99 (acres)

#### Fifty Percent Waterward Not-Primary Hydric Soils with Timber within Boundary

	Percent Area	Area
Planted	18.86%	5352.01 (acres)
Unplanted	4.63%	1313.84 (acres)

Total Area = 28379.99 (acres)

<b>Timber Cover within Boundary</b>			
		Percent Area	Area
	Non Joe Land	Number Null%	Number Null (acres)
	Planted	69.15%	19625.20 (acres)
	Unplanted	30.85%	8754.76 (acres)
			Total Area = 28379.99 (acres)

<b>Regional Significance</b>			
<b>Large Landscape Priorities within Boundary</b>			
		Percent Area	Area
	0	100.00%	28379.99 (acres)
			Total Area = 28379.99 (acres)

<b>Recreational Trails within Boundary</b>			
		Percent Length	Length
	CANOE/KAYAK	100.00%	968.01 (feet)
			Total Length = 968.01 (feet)

<b>Florida Managed Lands within Boundary</b>	
DEER LAKE STATE PARK	
POINT WASHINGTON STATE FOREST	

<b>FNAI Priority Habitat Conservation Lands</b>	
Unaffected within Boundary	

<b>CARL Projects within Boundary</b>			
		Percent Area	Area
	South Walton County Ecosystem	0.01%	2.44 (acres)
			Total Area = 28379.99 (acres)

<b>NRCS Ecological Communities within Boundary</b>			
		Percent Area	Area
	1	0.00%	0.00 (acres)
	17, 21, 22,	30.17%	8562.05 (acres)
	18	0.21%	58.24 (acres)
	21	4.06%	1153.55 (acres)
	21, 22	5.87%	1666.72 (acres)
	22	0.64%	182.91 (acres)
	3	1.19%	338.34 (acres)
	3, 7	0.62%	177.33 (acres)
	4	7.16%	2031.11 (acres)
	4, 5	1.78%	505.66 (acres)
	5	1.55%	439.08 (acres)
	7	39.01%	11069.93 (acres)
	7, 21	0.10%	28.51 (acres)
	7, 25	7.36%	2090.13 (acres)
	Disturbed	0.19%	54.21 (acres)
	Water	0.08%	22.22 (acres)

Total Area = 28379.99 (acres)

### FNAI Natural Communities Priorities within Boundary

		Percent Area	Area
0		90.63%	25719.79 (acres)
1		0.28%	79.40 (acres)
128		9.07%	2572.88 (acres)
16		0.00%	0.19 (acres)
32		0.03%	7.73 (acres)

Total Area = 28379.99 (acres)

### FNAI Coast Priorities within Boundary

		Percent Area	Area
0		99.65%	28280.14 (acres)
1		0.32%	90.40 (acres)
2		0.03%	9.45 (acres)

Total Area = 28379.99 (acres)

### FMRI Seagrass Beds within Boundary

		Percent Area	Area
EST		0.04%	12.45 (acres)
LAND		38.86%	11027.17 (acres)

Total Area = 28379.99 (acres)

## Biodiversity

### NRCS Ecological Communities within Boundary

		Percent Area	Area
1		0.00%	0.00 (acres)
17, 21, 22,		30.17%	8562.05 (acres)
18		0.21%	58.24 (acres)
21		4.06%	1153.55 (acres)
21, 22		5.87%	1666.72 (acres)
22		0.64%	182.91 (acres)
3		1.19%	338.34 (acres)
3, 7		0.62%	177.33 (acres)
4		7.16%	2031.11 (acres)
4, 5		1.78%	505.66 (acres)
5		1.55%	439.08 (acres)
7		39.01%	11069.93 (acres)
7, 21		0.10%	28.51 (acres)
7, 25		7.36%	2090.13 (acres)
Disturbed		0.19%	54.21 (acres)
Water		0.08%	22.22 (acres)

Total Area = 28379.99 (acres)

### FWC SCHAs within Boundary

		Percent Area	Area
1		0.19%	55.12 (acres)

Total Area = 28379.99 (acres)

### FWC Priority Wetlands within Boundary

	Percent Area	Area
1-3 species, upland habitat	59.95%	17012.93 (acres)
1-3 species, wetland habitat	21.55%	6115.13 (acres)
4-6 species, wetland habitat	1.16%	328.26 (acres)
Background	14.96%	4246.10 (acres)

Total Area = 28379.99 (acres)

### Natural Communities Priorities within Boundary

	Percent Area	Area
0	90.63%	25719.79 (acres)
1	0.28%	79.40 (acres)
128	9.07%	2572.88 (acres)
16	0.00%	0.19 (acres)
32	0.03%	7.73 (acres)

Total Area = 28379.99 (acres)

### FNAI Priority Habitat Conservation Lands

Unaffected within Boundary

### FNAI Element Occurrences within Boundary

Classification	Classification	Classification	Classification	Classification
CALAMOVILFA CURTISSII	CURTISS' SANDGRASS	1988-11-30	MC	LT
GENTIANA PENNELLIANA	WIREGRASS GENTIAN	1988-11-30	MC	LE
LUPINUS WESTIANUS	GULF COAST LUPINE	1964-05-21	MC	LT
MESIC FLATWOODS	ZZ	1994-04-19	N	N
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	ZZ	LE	LT
POLYGONELLA MACROPHYLLA	LARGE-LEAVED JOINTWEED	1993-11-02	MC	LT
SARRACENIA LEUCOPHYLLA	WHITE-TOP PITCHERPLANT	1993-12-02	MC	LE
SCRUB	ZZ	1994-04-18	N	N
VERBESINA CHAPMANII	CHAPMAN'S CROWNBEARD	1988-08-05	N	LT

### Bald Eagle Nests

Unaffected within Boundary

### FWC Black Bear Road Kills

Unaffected within Boundary

### Black Bear Nuisance Reports

Unaffected within Boundary

### WilsonMiller Species Observations within Boundary

Classification	Classification	Classification	Classification
Gentiana pennelliana	Wiregrass gentian	N	LE
Gopherus polyphemus	Gopher tortoise	N	LS
Lilium catesbaei	Catesby lily	N	LT
Picoides borealis	Red-cockaded woodpecker	LE	LT

Pinguicula planifolia	Chapman's butterwort	N	LT
Sarracenia leucophylla	White-top pitcherplant	N	LE
Verbesina chapmanii	Chapman's crownbeard	N	LT

### FMRI 2002 Turtle Nesting Beaches

Unaffected within Boundary

## Water Quality

### Outstanding Florida Waters within Boundary

Classification	Classification	Percent Area	Area
Other	POINT WASHINGTON	3.85%	1093.50 (acres)
Special	Lake Powell, Phillips Inlet	1.12%	317.64 (acres)

Total Area = 28379.99 (acres)

### 2000 305(b) Basin Status Report within Boundary

Classification	Classification	Percent Area	Area
BASIN BAYOU		0.53%	151.44 (acres)
BOTHERATION BAYOU	Fair	2.64%	749.52 (acres)
CAMP CREEK	Good	3.19%	904.29 (acres)
DIRECT RUNOFF TO BAY		54.80%	15551.03 (acres)
DIRECT RUNOFF TO GULF		0.16%	45.39 (acres)
HARRISON BAYOU		0.88%	249.56 (acres)
INTRACOASTAL WATERWAY	Good	0.74%	209.58 (acres)
LAKE POWELL	Good	16.50%	4682.68 (acres)
PEACH CREEK	Good	0.98%	278.00 (acres)
UNNAMED BAYOU		2.47%	700.80 (acres)
WEST BAY	Good	0.02%	5.37 (acres)
WEST LAIRD DRAIN		17.10%	4852.27 (acres)
WOODLAWN CANAL	Good	0.00%	0.06 (acres)

Total Area = 28379.99 (acres)

### 1998 305(b) Basin Status Report within Boundary

Classification	Classification	Classification	Classification	Percent Area	Area
				21.13%	5996.70 (acres)
BOTHERATION BAYOU	GOOD		LOW	2.66%	754.22 (acres)
CAMP CREEK	GOOD	EXCELLENT	LOW	3.24%	919.31 (acres)
DIRECT RUNOFF TO BAY	FAIR		LOW	54.49%	15465.67 (acres)
INTRACOASTAL WATERWAY	GOOD	GOOD	LOW	0.73%	207.51 (acres)
LAKE POWELL	GOOD	GOOD	HIGH	16.74%	4751.83 (acres)
PEACH CREEK	GOOD	EXCELLENT	MEDIUM	1.00%	284.68 (acres)
WEST BAY	GOOD	EXCELLENT	HIGH	0.00%	0.02

						(acres)
	WOODLAWN CANAL	GOOD	GOOD	HIGH	0.00%	0.06 (acres)

Total Area = 28379.99 (acres)

### 1996 305(b) Basin Status Report within Boundary

Classification	Classification	Classification	Percent Area	Area
BASIN BAYOU			0.52%	146.90 (acres)
BOTHERATION BAYOU			2.66%	754.22 (acres)
CAMP CREEK			3.24%	919.31 (acres)
DIRECT RUNOFF TO BAY			54.50%	15465.71 (acres)
DIRECT RUNOFF TO GULF	FULLY	3	0.20%	55.49 (acres)
HARRISON BAYOU			0.85%	241.58 (acres)
INTRACOASTAL WATERWAY			0.73%	207.51 (acres)
LAKE POWELL			16.74%	4751.83 (acres)
PEACH CREEK			1.00%	284.68 (acres)
UNNAMED BAYOU			2.50%	709.66 (acres)
WEST BAY	FULLY	2	0.00%	0.02 (acres)
WEST LAIRD DRAIN			17.06%	4843.03 (acres)
WOODLAWN CANAL	FULLY	3	0.00%	0.06 (acres)

Total Area = 28379.99 (acres)

### 1998 303(d) Listing -- Impaired Waters List

Unaffected within Boundary

### NWI within Boundary

Classification	Classification	Classification	Classification	Percent Area	Area
E	2	EM	5	0.58%	163.36 (acres)
L	2	FL		0.10%	29.09 (acres)
P		EM	1	50.03%	14199.81 (acres)

Total Area = 28379.99 (acres)

### Estimation of Corps Jurisdiction within Boundary

	Percent Area	Area
Upland	35.44%	10058.18 (acres)
50% Waterward Not Primary	23.50%	6669.84 (acres)
Primary	41.06%	11651.98 (acres)

Total Area = 28379.99 (acres)

### Springs

Unaffected within Boundary

### Sinkholes

Unaffected within Boundary

### Private Wells

Unaffected within Boundary



### Blackwater Areas within Boundary

		Percent Area	Area
		0.06%	15.63 (acres)
	0	58.89%	16712.38 (acres)
	1	30.91%	8773.47 (acres)
	2	10.14%	2878.51 (acres)
			Total Area = 28379.99 (acres)

### Mitigation Drainage Basins within Boundary

		Percent Area	Area
	Devils Swamp Mitigation	23.46%	6658.38 (acres)
	Lake Powell In-Basin	16.68%	4733.98 (acres)
	West Bay Mitigation	59.79%	16969.33 (acres)
			Total Area = 28379.99 (acres)

### Drainage Basins within Boundary

		Percent Area	Area
	BASIN BAYOU	0.52%	146.88 (acres)
	BOTHERATION BAYOU	2.66%	754.23 (acres)
	CAMP CREEK	3.24%	919.31 (acres)
	DIRECT RUNOFF TO BAY	54.50%	15465.79 (acres)
	DIRECT RUNOFF TO GULF	0.20%	55.50 (acres)
	HARRISON BAYOU	0.85%	241.59 (acres)
	INTRACOASTAL WATERWAY	0.73%	207.51 (acres)
	PEACH CREEK	1.00%	284.71 (acres)
	PHILLIPS INLET	16.74%	4751.84 (acres)
	ST. ANDREWS BAY	0.00%	0.00 (acres)
	UNNAMED BAYOU	2.50%	709.66 (acres)
	WEST LAIRD DRAIN	17.06%	4842.98 (acres)
			Total Area = 28379.99 (acres)

### Ground Water Contamination

Unaffected within Boundary

### EFH and Living Marine Resources

#### FNAI Coast Priorities within Boundary

		Percent Area	Area
	0	99.65%	28280.14 (acres)
	1	0.32%	90.40 (acres)
	2	0.03%	9.45 (acres)
			Total Area = 28379.99 (acres)

**FMRI 2002 Seagrass Beds within Boundary**

		Percent Area	Area
	EST	0.04%	12.45 (acres)
	LAND	38.86%	11027.17 (acres)
			Total Area = 28379.99 (acres)