



**EXPLANATION**  
 MAJOR RIVER BASIN DRAINAGE DIVIDE  
 RIVER BASIN BOUNDARY  
 SUBBASIN BOUNDARY  
 RIVER BASIN DESIGNATION  
 SUBBASIN IDENTIFICATION NUMBER

Duval County in northeastern Florida and adjacent to the Atlantic Ocean contains approximately 800 square miles of which approximately 80 square miles are covered by water. The county is drained by three major rivers, the St. Johns, Nassau, and St. Marys. In addition, the coastal areas are drained by numerous small streams that empty into the Intracoastal Waterway or the Atlantic Ocean.

A drainage basin consists of a major surface stream, its tributaries, and the surrounding land that they drain. Drainage basins are bounded by drainage divides, which are ridges or topographically high areas that separate adjacent stream drainage systems. Parts of Duval County have very little topographic relief and the drainage divides in these areas are indistinct and low enough to be inundated during floods, with the result that water occasionally can move from one drainage system to another.

A drainage basin comprises smaller subdivisions called subbasins. Subbasins are tributary streams and the surrounding land that they drain. Basins and subbasins vary in size from many square miles to less than 1 square mile.

The drainage basins and major subbasins in Duval County, Fla., are delineated on this map and the area of each is shown in the accompanying table. Each basin is shown by an identifying letter on the map and the subbasins in each drainage basin are shown by identifying numbers. The hydrologic-unit codes shown in the table for each major basin are part of the numerical classification used by the U.S. Geological Survey for managing the National Water Data Network.

Drainage areas may be revised periodically as more detailed information becomes available or as development changes the drainage patterns in a basin. Drainage areas at U.S. Geological Survey gauging stations are included in the U.S. Geological Survey annual report, "Water Resources Data for Florida."

Table 1.—Drainage basins in Duval County, Florida

Map Reference No.	Stream basin	Drainage area in square miles		Map Reference No.	Stream basin	Drainage area in square miles		Map Reference No.	Stream basin	Drainage area in square miles		
		Duval County	Total			Duval County	Total			Duval County	Total	
A	St. Johns River	113	9,430	24	Big Fishweir Creek	3.11	4,140(b)	48	St. Johns River—Continued			
1	Black Creek	72	488	25	Little Fishweir Creek	1.03	1.03	49	Caney Branch	3.16	7,090(b)	
2	North Fork Black Creek	12.5	(a)	26	Willow Branch	0.55	0.55	50	Rushing Branch	1.52	3,730(b)	
3	Yellow Water Creek	30.5	62	27	Craig Creek	0.86	0.86	51	Swampy Branch	2.21	2.21	
4	Sal Taylor Creek	26.5	29	28	McCoy's Creek	5.47	5.47	52	Terrapin Creek	1.20	1.20	
5	Little Black Creek	0.71	(a)	29	Hagan Creek	3.94	3.94	53	Newcastle Creek	1.12	1.12	
6	North Prong Double Branch	1.08	8	30	Miller Creek	0.94	0.94	54	Nichols Creek	0.74	0.74	
B	Jullington Creek	23	100	31	Arlington River (also known as Pottsburg Creek)	31.9	31.9	55	Browns-San Carlos Creeks	6.37	6.37	
7	Sweetwater Creek	4.9	4.9	32	Pottsburg Creek (continuation of Arlington River)	19.2	19.2	56	Jones Creek	3.13	3.13	
8	Big Davis Creek	1.6	1.6	33	Silversmith Creek	2.32	2.32	57	Ginhouse Creek	1.86	1.86	
9	Oldfield Creek	4.6	4.6	34	Strawberry Creek	4.73	6,780(b)	58	Cowhead Creek	1.00	1.00	
10	Darbin Creek	1.6	1.6	35	Red Bay Branch	2.05	2.05	59	Shipyards Creek	0.60	0.60	
11	Cormorant Branch	2.36	2.36	36	Little Pottsburg Creek	3.66	3.66	60	Greenfield Creek	3.62	9.11	
12	St. Johns River Tributary No. 1	1.34	1.34	37	Deer Creek	1.04	1.04	H	Intracoastal Waterway	37.4	(a)	
13	St. Johns River Tributary No. 2	0.94	0.94	38	Long Branch	2.05	2.05	I	Pablo Creek	40.7	(a)	
14	Deep Bottom Creek	1.66	1.66	39	Trout River	48.2	94	62	Cedar Swamp Creek	4.10	4.10	
15	St. Johns River Tributary No. 3	0.79	0.79	40	Little Trout River	1.77	1.77	63	Intracoastal Waterway Tributary	1.47	1.47	
16	Goodfys Creek	5.03	5.03	41	Nisemile Creek	7.58	7.58	64	St. Pleasant Creek	5.49	5.49	
17	Christopher Creek	1.43	1.43	42	Ribault River	10.1	28.8 (b)	65	Sherman Creek	7.24	7.24	
18	New Rose Creek	1.82	1.82	43	Sixmile Creek	16.9	18.7 (b)	66	Coastal Area	Hydrologic unit 03080201	1.40	(a)
19	St. Johns River Tributary No. 4	0.94	0.94	44	Moncrief Creek	5.90	5.90	67	St. Marys River	Hydrologic unit 03080204	59	1,480
20	Ortega River	80	88	45	Drummond Creek	2.86	2.86	68	Deep Creek	21.8	48.5	
21	Cedar Creek	7.66	10.4 (b)	46	Long Branch	8.78	23.6 (b)	69	Brandy Branch	36.4	66.9	
22	Wills Branch	2.70	2.70	47	Cedar Creek	6.27	6.27	70	Nassau River	Hydrologic unit 03070205	11	(a)
23	Williamson Creek	1.54	1.54	48	Pickett Branch	4.06	4.06	71	Thomas Creek	51.7	109	
24	Butcher Pen Creek	1.39	1.39	49	Little Cedar Creek	6.52	6.52		Nassau River	29.6	400	
25	Fishing Creek	5.73	5.73	50	Dunn Creek	13.6	21.9 (b)		Sisters Creek—Intracoastal Waterway	22.2	(a)	

(a) Not determined.  
(b) Includes drainage area of tributaries.

Based on U.S. Geological Survey  
1:24,000 and 1:62,500 quadrangles

For additional information  
write to:  
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Black and white copies of this  
map may be purchased from:  
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