

Annual Inlet Report

Office of Resilience and Coastal Protection

Florida Department of Environmental Protection

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Introduction

Section 161.143 (5) Florida Statutes (F.S.) states: *The department shall update and maintain an annual report on its website concerning the extent to which each inlet project has succeeded in balancing the sediment budget of the inlet and adjacent beaches and in mitigating the inlet's erosive effects on adjacent beaches. The report must estimate the quantity of sediment bypassed, transferred, or otherwise placed on adjacent eroding beaches, or in such beaches' nearshore area, for the purpose of offsetting the erosive effects of inlets on the beaches of this state.*

Elements of the Report:

The order of the annual inlet report is listed by region, starting with inlets in the Northeast Atlantic Coast Region moving south along the east coast and then west to east in the Panhandle Region and then north to south along the Southwest Gulf Coast Region. One can view the table of contents to find a specific inlet. Elements of the annual inlet report include the inlet management plan's (IMP) adoption year, IMP updated year, annual bypass numbers by year, bypass objective, annualized volume, cumulative volume, cumulative objective, surplus/deficit volume and the percentage of the bypass objective met. The annual inlet report highlights the surplus and/or deficit of material that is being bypassed on an annual basis to each side of an inlet that is actively managed. The bypass objective is listed in the first table for each inlet and will state if the bypass objective is from the Strategic Beach Management Plan (SBMP). The IMP is based upon an inlet study's sediment budget that was sponsored by a local government entity, to determine how best to mitigate the erosive effects of the altered inlet in order to bypass beach quality sand to the adjacent eroded beaches. All bypass data submitted to or that is available to the department was utilized through 2020; data for some inlets may not be available at the published time of this report. Beach nourishment is another management strategy for Florida's eroded beaches and the sand volumes associated with these projects can be found in the [Strategic Beach Management Plan](#). In some cases, there are ongoing beach nourishment projects adjacent to inlets that have mitigated some or all of the inlet effects. The [Inlet Management Plans](#) can be found on the department's web page. The department and/or local governments sponsor inlet management studies and inlet reports that can be viewed or downloaded from this [OCULUS folder](#) (use the public login tab to enter site). A full listing of Florida's inlets along the Atlantic

Coast and Gulf Coast can be viewed in Table's 1 through 4 of the Strategic Beach Management Plan's [Introduction](#).

It should also be noted that the department recognizes the language found in Section 161.142 F.S. for this report regarding inlet sand bypassing activities and historical sand deficits caused by inlets in that *“The Legislature recognizes the need for maintaining navigation inlets to promote commercial and recreational uses of our coastal waters and their resources. The Legislature further recognizes that inlets interrupt or alter the natural drift of beach-quality sand resources, which often results in these sand resources being deposited in nearshore areas or in the inlet channel, or in the inland waterway adjacent to the inlet, instead of providing natural nourishment to the adjacent eroding beaches. Accordingly, the Legislature finds it is in the public interest to replicate the natural drift of sand which is interrupted or altered by inlets to be replaced and for each level of government to undertake all reasonable efforts to maximize inlet sand bypassing to ensure that beach-quality sand is placed on adjacent eroding beaches. **Such activities cannot make up for the historical sand deficits caused by inlets but shall be designed to balance the sediment budget of the inlet and adjacent beaches and extend the life of proximate beach-restoration projects so that periodic nourishment is needed less frequently.** Therefore, in furtherance of this declaration of public policy and the Legislature's intent to redirect and recommit the state's comprehensive beach management efforts to address the beach erosion caused by inlets,”*

The intent of Section 161.142 F.S. and the IMP strategies is to mitigate the contemporary inlet effects; not the historical effects of an inlet.

Northeast Atlantic Coast Region



Figure 1: St. Augustine Inlet ebb shoal being dredged to bypass material to the south for St. Augustine Beach. Photo by Guy Weeks (DEP) in February 2018.

St. Marys River Entrance

Table 1: St. Marys River Entrance Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Nassau	St. Marys River Entrance	1998	0	554,000

Table 2: St. Marys River Entrance summary of sand bypass volumes, since 1998.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	2,829,961
Cumulative Objective:	0	12,742,000
Annualized Volume Bypassed:	0	123,042
Surplus (Deficit):	0	-9,912,039
Percent Objective Met:	N/A	22.21%

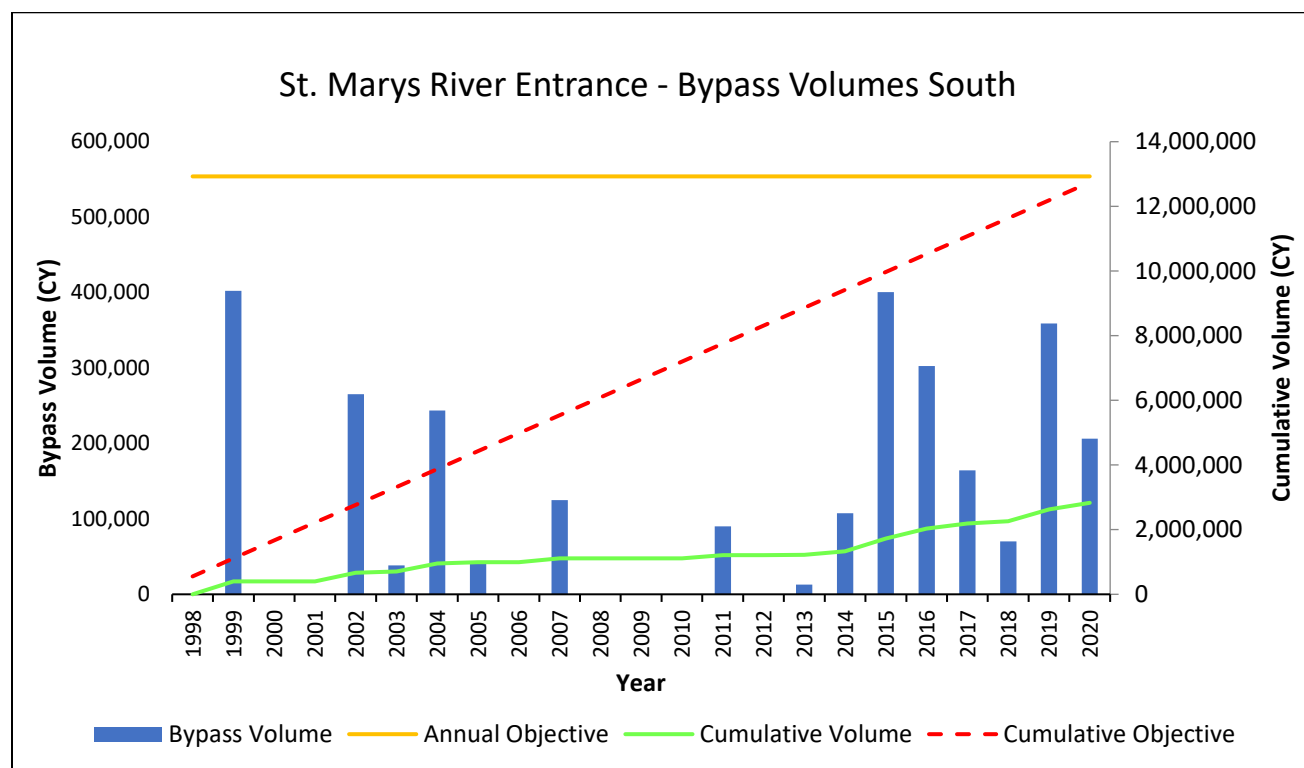


Figure 2: St. Marys River Entrance bypass volume, annual objective, cumulative volume and cumulative objective.

St. Augustine Inlet

Table 3: St. Augustine Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
St. Johns	St. Augustine	1998	0	510,000
St. Johns	St. Augustine	2014	92,667	185,333

Table 4: St. Augustine Inlet bypass summary of sand bypass volumes, since 1998 (south) and 2014 (north).

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	302,507	9,946,525
Cumulative Objective:	648,669	9,457,331
Annualized Volume Bypassed:	43,215	432,458
Surplus (Deficit):	-346,162	489,194
Percent Objective Met:	46.64%	105.17%

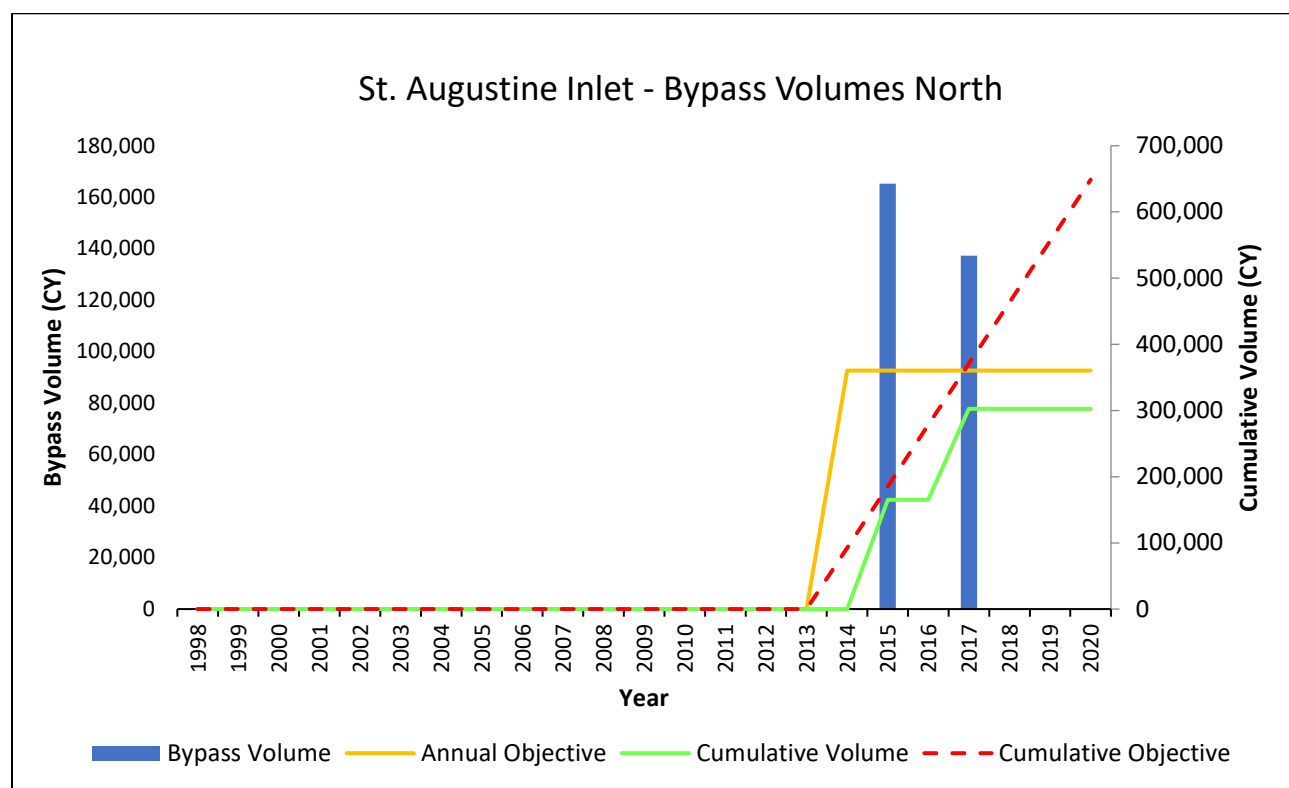


Figure 3: St. Augustine Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

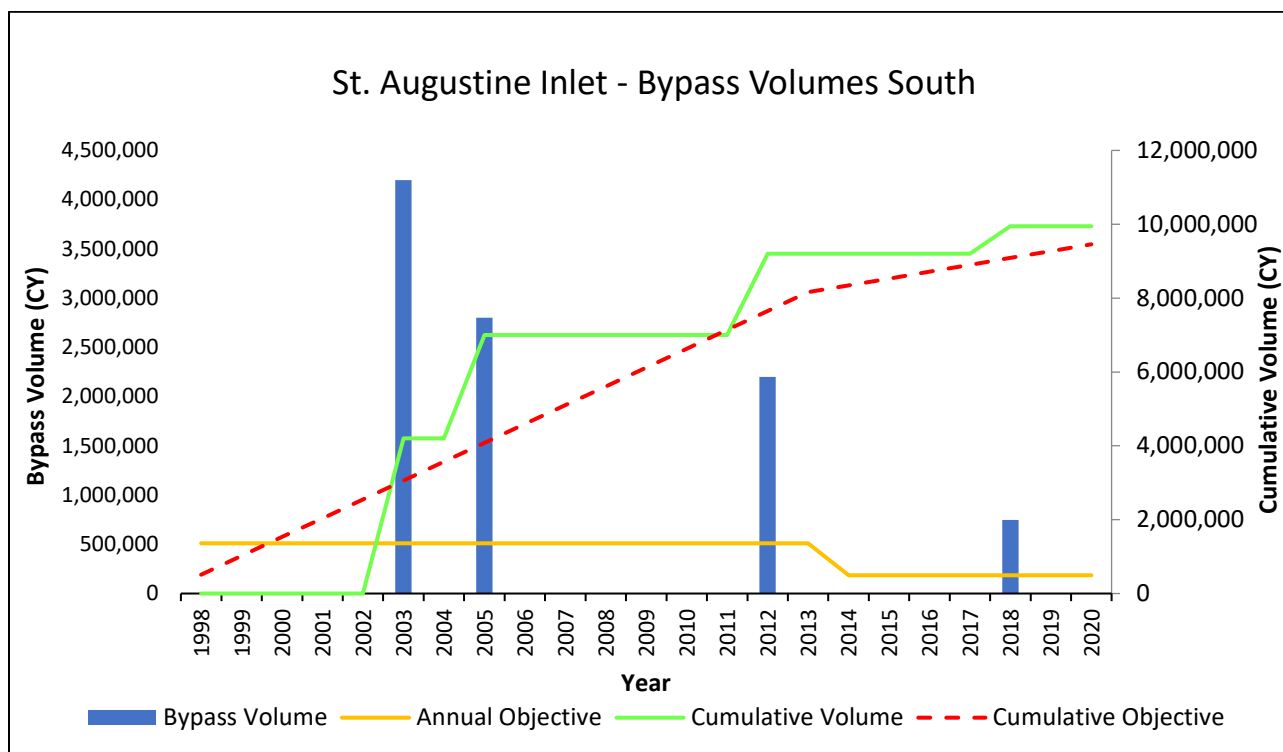


Figure 4: St. Augustine Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Ponce de Leon Inlet

Table 5: Ponce de Leon Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Volusia	Ponce de Leon	1997	0	43,000
Volusia	Ponce de Leon	2020	40,000	20,000

Table 6: Ponce de Leon Inlet bypass summary of sand bypass volumes, since 1997.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	445,107	1,386,864
Cumulative Objective:	0	1,009,000
Annualized Volume Bypassed:	18,546	57,786
Surplus (Deficit):	0	377,864
Percent Objective Met:	N/A	137.45%

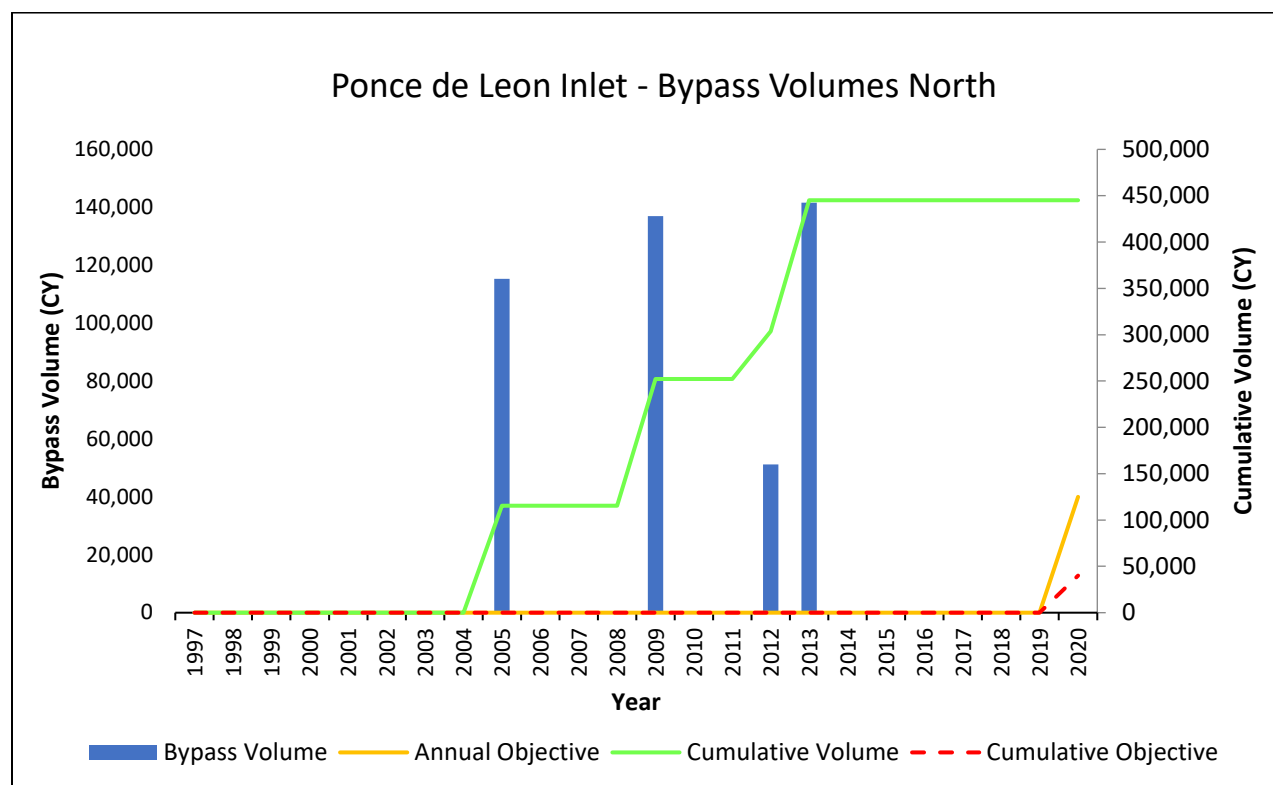


Figure 5: Ponce de Leon Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

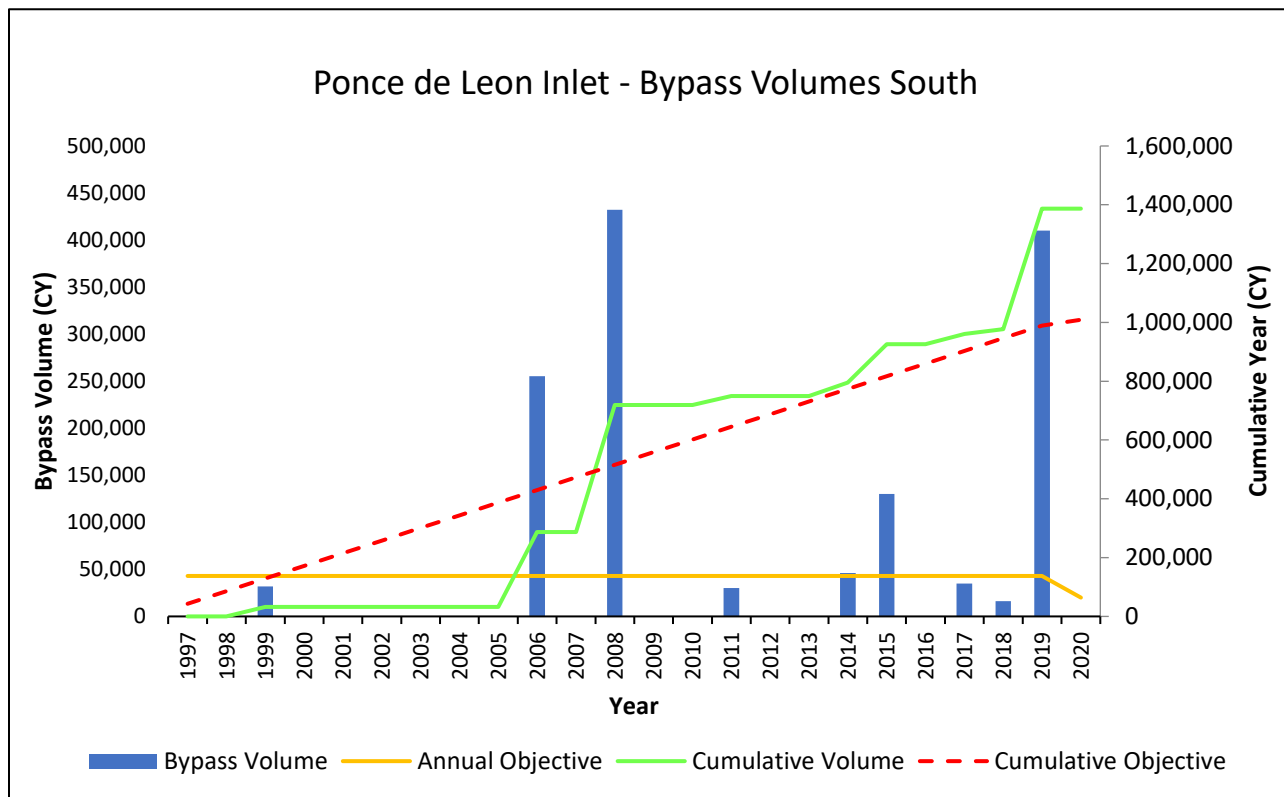


Figure 6: Ponce de Leon Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Central Atlantic Coast Region



Figure 7: A cutter suction dredge north of Canaveral Inlet dredging sand from the nearshore to be bypassed south to the City of Cape Canaveral and Cocoa Beach. Photo courtesy of Olsen Associates, March 2010.

Port Canaveral Inlet

Table 7: Port Canaveral Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Brevard	Port Canaveral	1996	0	0
Brevard	Port Canaveral	2014	0	156,000

*Bypass objective of 156,000 was initially established in the 2008 SBMP.

Table 8: Port Canaveral Inlet bypass summary of sand bypass volumes, since 2007.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	2,849,042
Cumulative Objective:	0	2,028,000
Annualized Volume Bypassed:	0	203,503
Surplus (Deficit):	0	821,042
Percent Objective Met:	N/A	140.49%

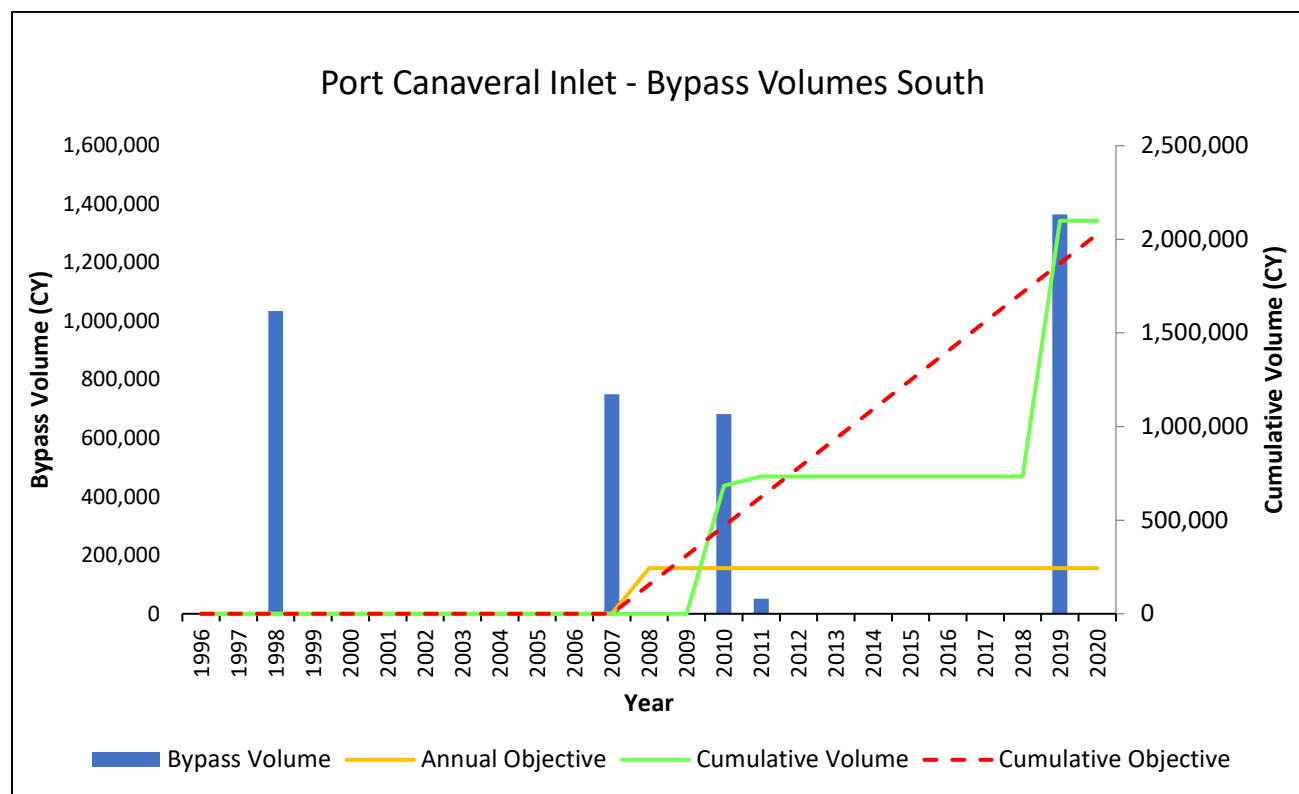


Figure 8: Port Canaveral Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Sebastian Inlet

Table 9: Sebastian Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Indian River	Sebastian	2000	0	70,000
Indian River	Sebastian	2008*	0	90,000

*2008 bypass objective was updated in Strategic Beach Management Plan (2008).

Table 10: Sebastian Inlet bypass summary of sand bypass volumes, since 2000.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	1,065,120
Cumulative Objective:	0	1,730,000
Annualized Volume Bypassed:	0	50,720
Surplus (Deficit):	0	-664,880
Percent Objective Met:	N/A	61.57%

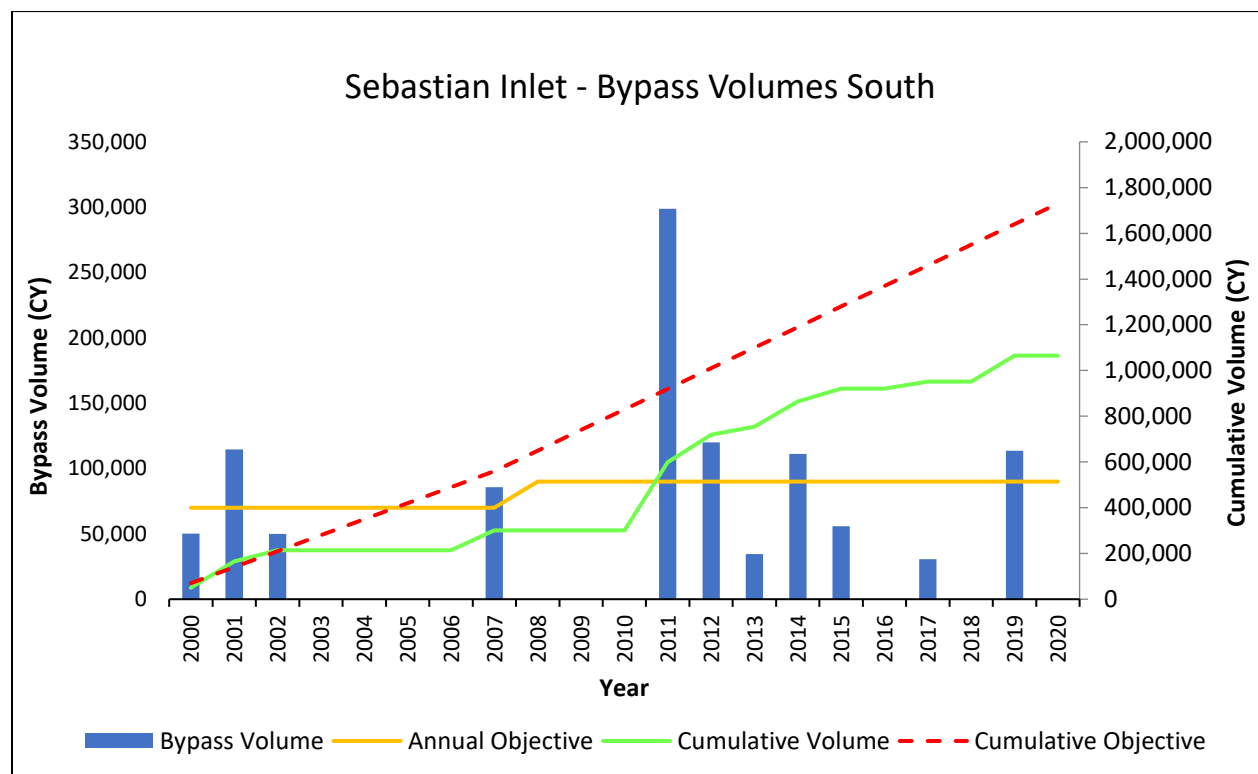


Figure 9: Sebastian Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Ft. Pierce Inlet

Table 11: Ft. Pierce Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
St. Lucie	Ft. Pierce	1997	0	130,000

Table 12: Ft. Pierce Inlet bypass summary of sand bypass volumes, since 1997.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	281,126
Cumulative Objective:	0	3,120,000
Annualized Volume Bypassed:	0	11,714
Surplus (Deficit):	0	-2,838,874
Percent Objective Met:	N/A	9.01%

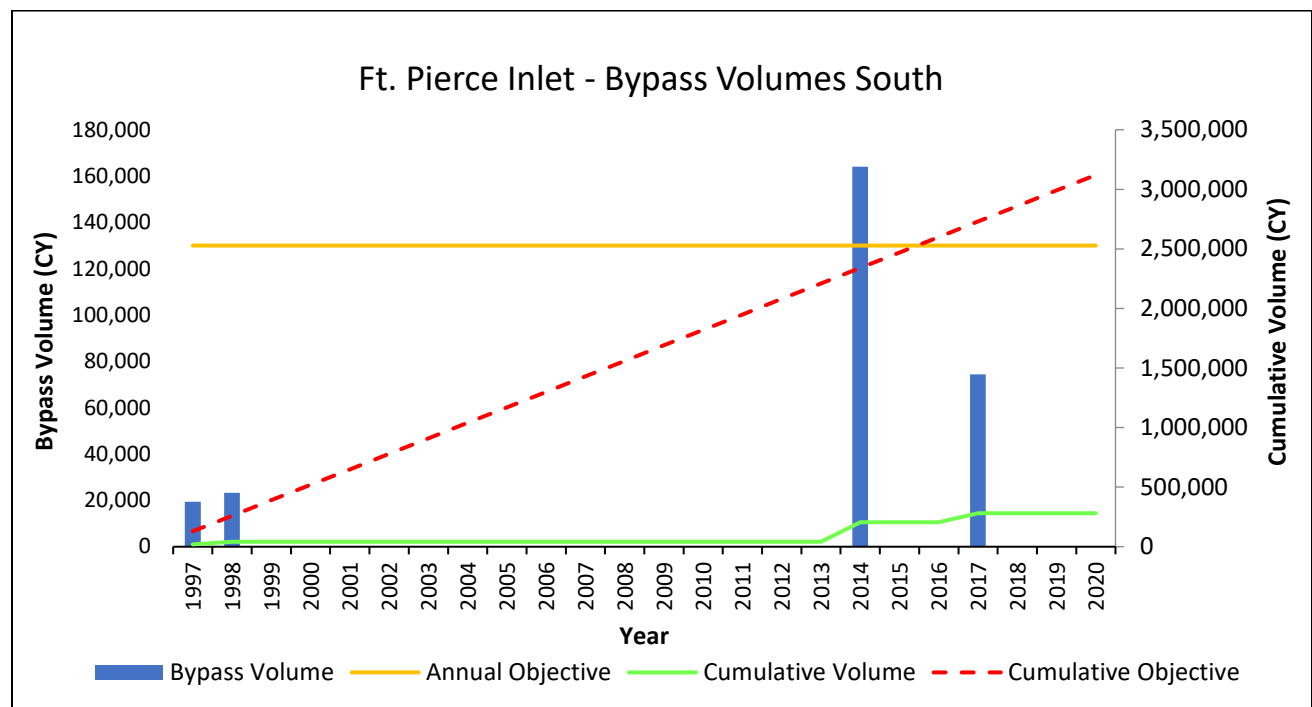


Figure 10: Ft. Pierce Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

St. Lucie Inlet

Table 13: St. Lucie Inlet - Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Martin	St. Lucie	1995	0	0
Martin	St. Lucie-Updated	2016	34,000	161,000

*Bypass objective of 185,000 cy to the south was initially established in the 2008 SBMP and then updated in 2016.

Table 14: St. Lucie Inlet - Updated IMP bypass summary of sand bypass volumes, since 2016.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
*Cumulative Volume Bypassed:	306,000	1,031,593
Cumulative Objective:	170,000	805,000
Annualized Volume Bypassed:	61,200	206,319
*Surplus (Deficit):	136,000	226,593
Percent Objective Met:	180.00%	128.15%

*With the updated IMP in 2016, the accounting of bypassing and any surplus/deficits pre-2016 are not shown.

*The cumulative volume bypassed to the north does not include the beach nourishment volumes listed in the SBMP.

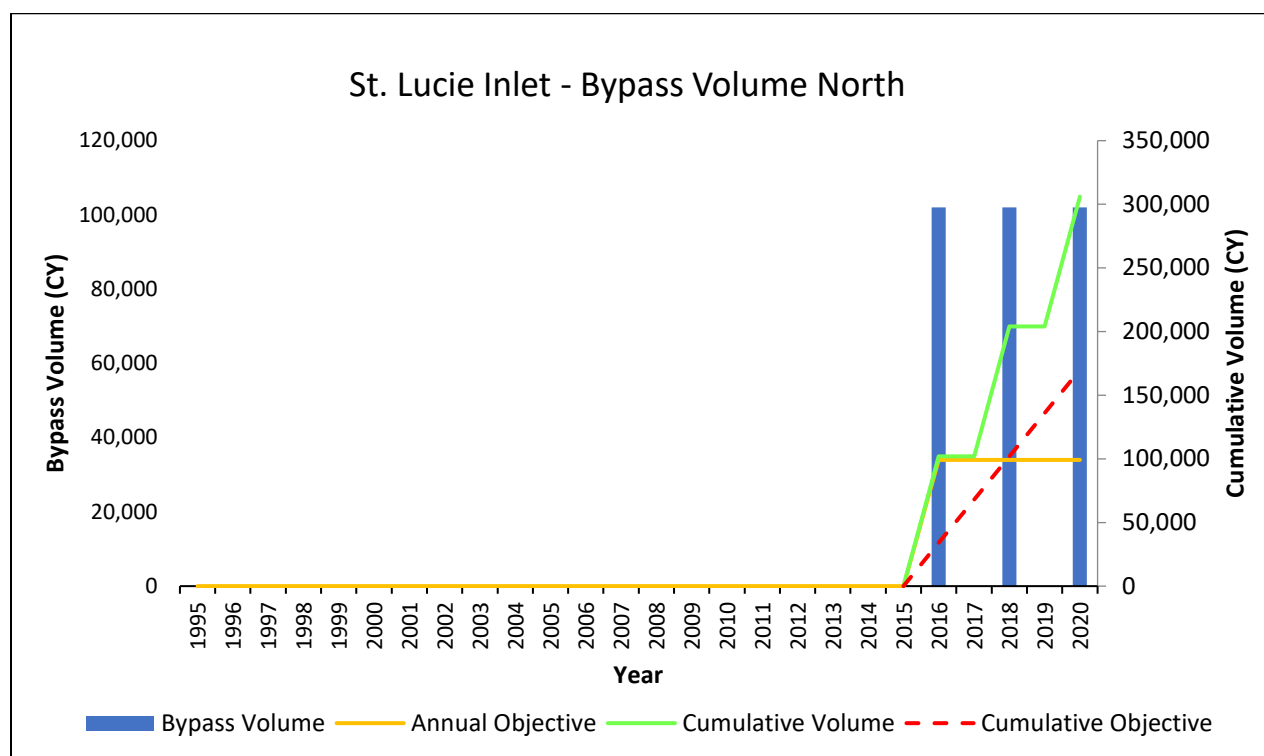


Figure 11: St. Lucie Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

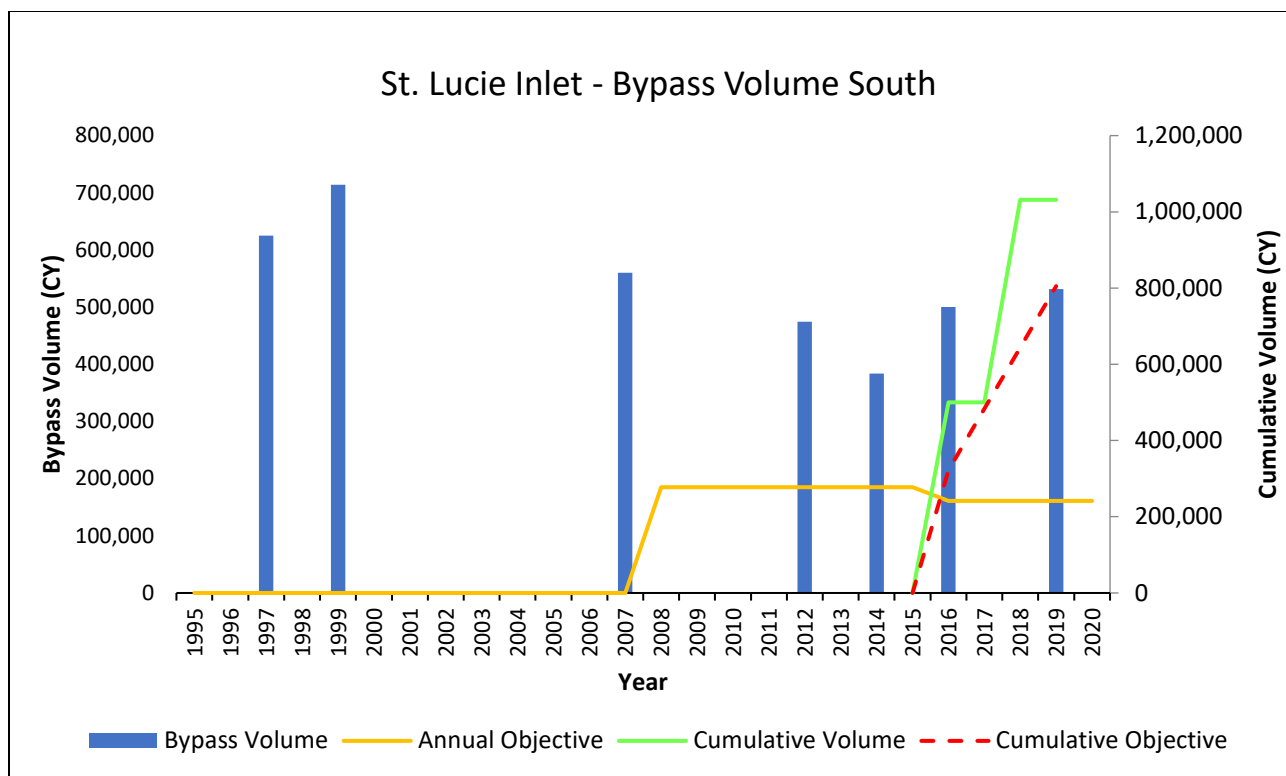


Figure 12: St. Lucie Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Southeast Atlantic Coast Region



Figure 13: Jupiter Inlet with the Cavache Dredge working within the inlet to bypass sand, March 2017. Photo by Libbie McDearnid (DEP) in March 2017.

Jupiter Inlet

Table 15: Jupiter Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Palm Beach	Jupiter	1997	0	75,000

Table 16: Jupiter Inlet bypass summary of sand bypass volumes, since 1997.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	1,217,399
Cumulative Objective:	0	1,725,000
Annualized Volume Bypassed:	0	52,930
Surplus (Deficit):	0	-507,601
Percent Objective Met:	N/A	70.57%

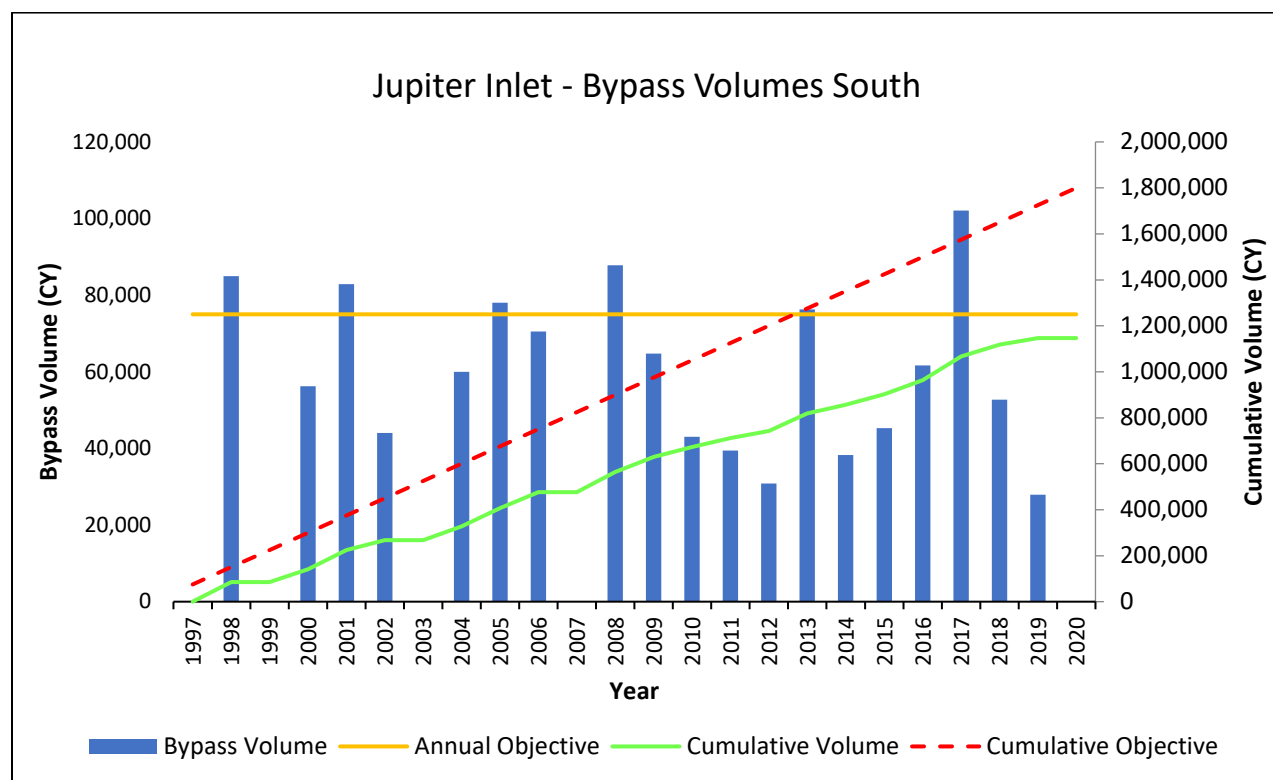


Figure 14: Jupiter Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Lake Worth Inlet

Table 17: Lake Worth Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Palm Beach	Lake Worth	1996	0	171,300
Palm Beach	Lake Worth	2008*	0	202,000

*Bypass objective of 202,000 was initially established in the 2008 SBMP.

Table 18: Lake Worth Inlet bypass summary of sand bypass volumes, since 1996.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	5,967,848
Cumulative Objective:	0	4,681,600
Annualized Volume Bypassed:	0	238,714
Surplus (Deficit):	0	1,286,248
Percent Objective Met:	N/A	127.47%

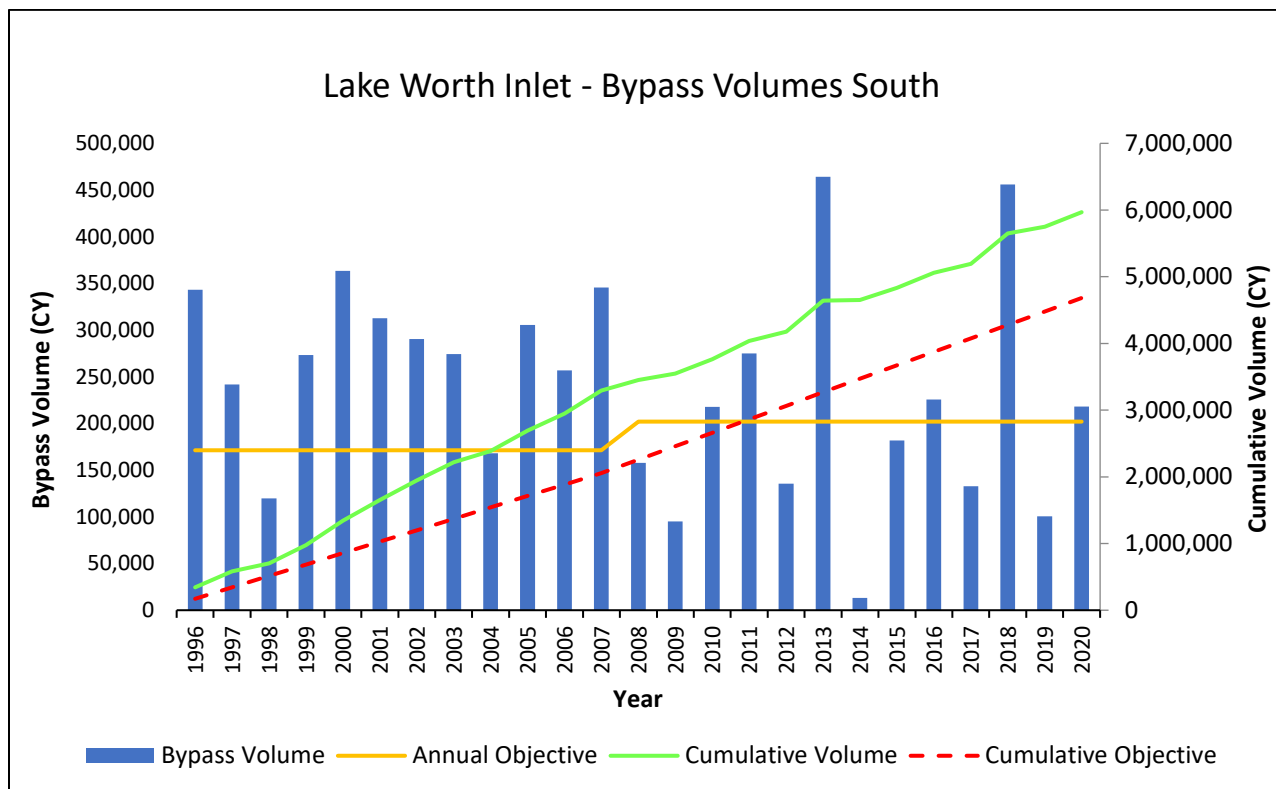


Figure 15: Lake Worth Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

South Lake Worth Inlet

Table 19: South Lake Worth Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Palm Beach	South Lake Worth	1999	0	88,000

Table 20: South Lake Worth Inlet bypass summary of sand bypass volumes, since 1999.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	2,138,892
Cumulative Objective:	0	1,936,000
Annualized Volume Bypassed:	0	97,222
Surplus (Deficit):	0	202,892
Percent Objective Met:	N/A	110.48%

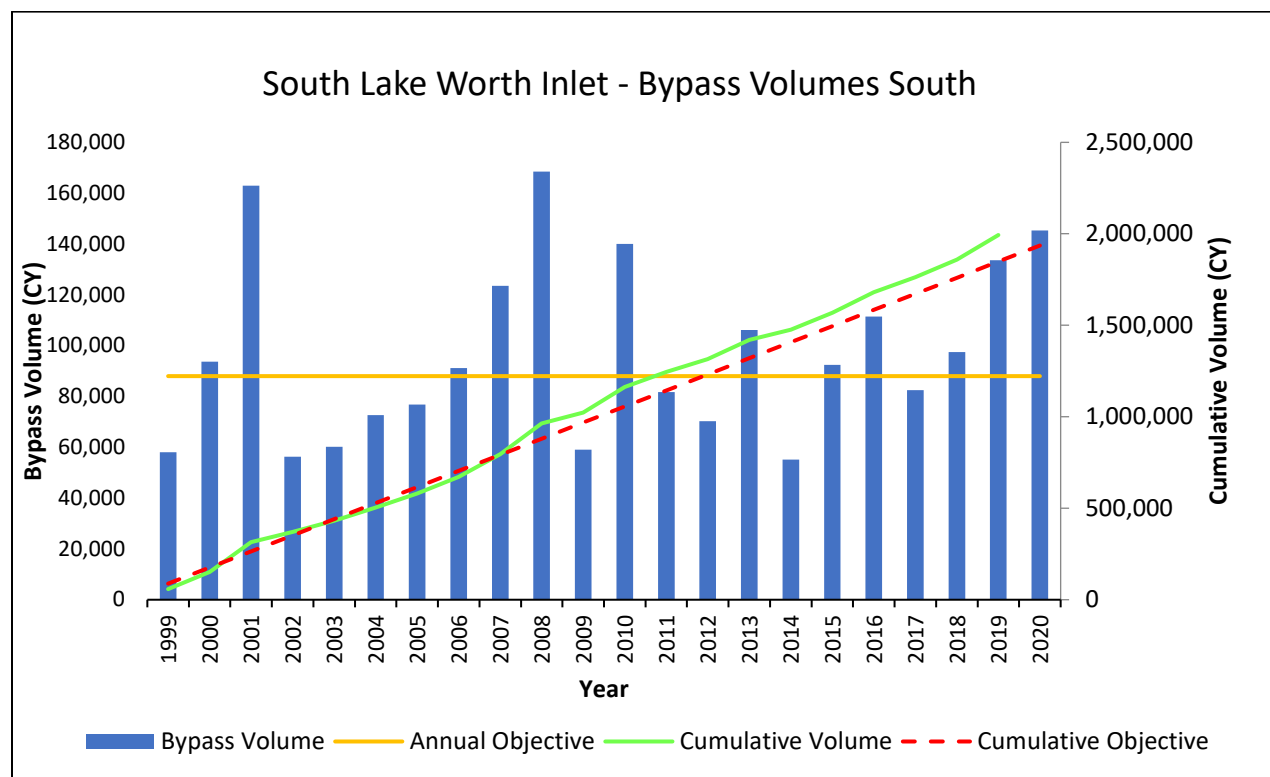


Figure 16: South Lake Worth Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Boca Raton Inlet

Table 21: Boca Raton Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Palm Beach	Boca Raton	1997	0	71,300
Palm Beach	Boca Raton	2005	0	83,000

*Bypass objective updated in 2005.

Table 22: Boca Raton Inlet bypass summary of sand bypass volumes, since 1997.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	2,121,937
Cumulative Objective:	0	1,898,400
Annualized Volume Bypassed:	0	124,820
Surplus (Deficit):	0	223,537
Percent Objective Met:	N/A	111.78%

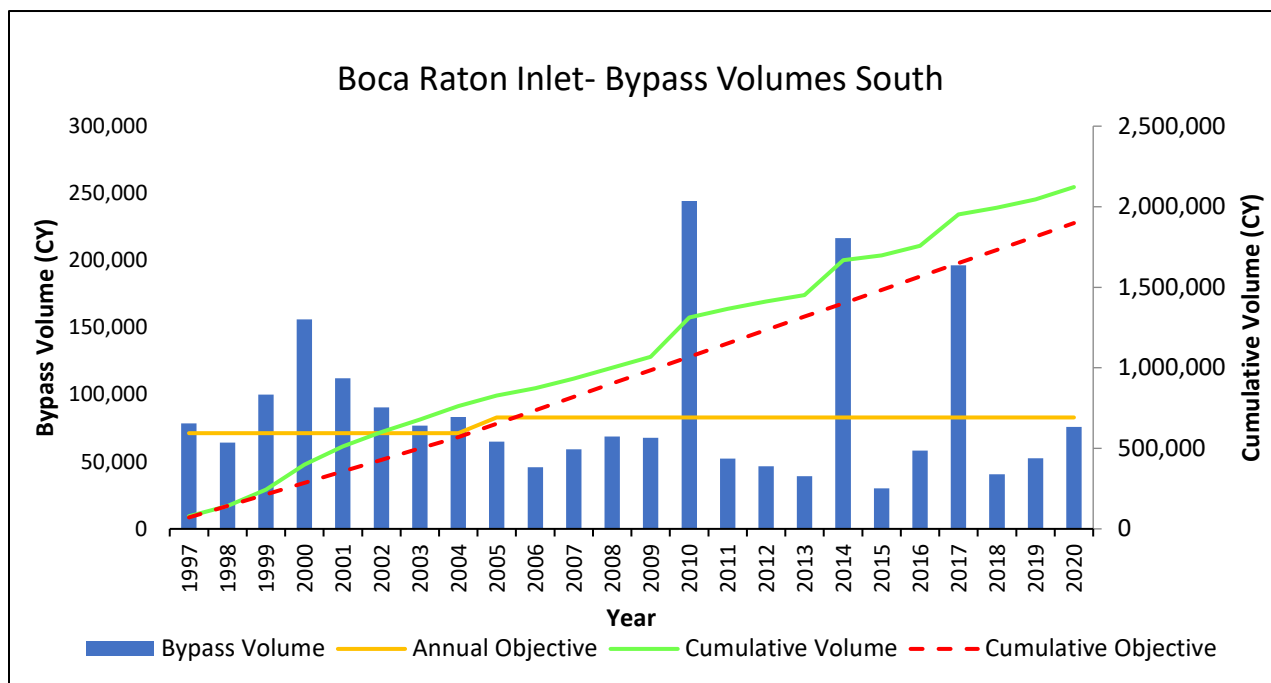


Figure 17: Boca Raton Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Hillsboro Inlet

Table 23: Hillsboro Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Broward	Hillsboro	1997	0	120,000

Table 24: Hillsboro Inlet bypass summary of sand bypass volumes, since 1997.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	2,637,981
Cumulative Objective:	0	2,880,000
Annualized Volume Bypassed:	0	109,916
Surplus (Deficit):	0	-242,019
Percent Objective Met:	N/A	91.60%

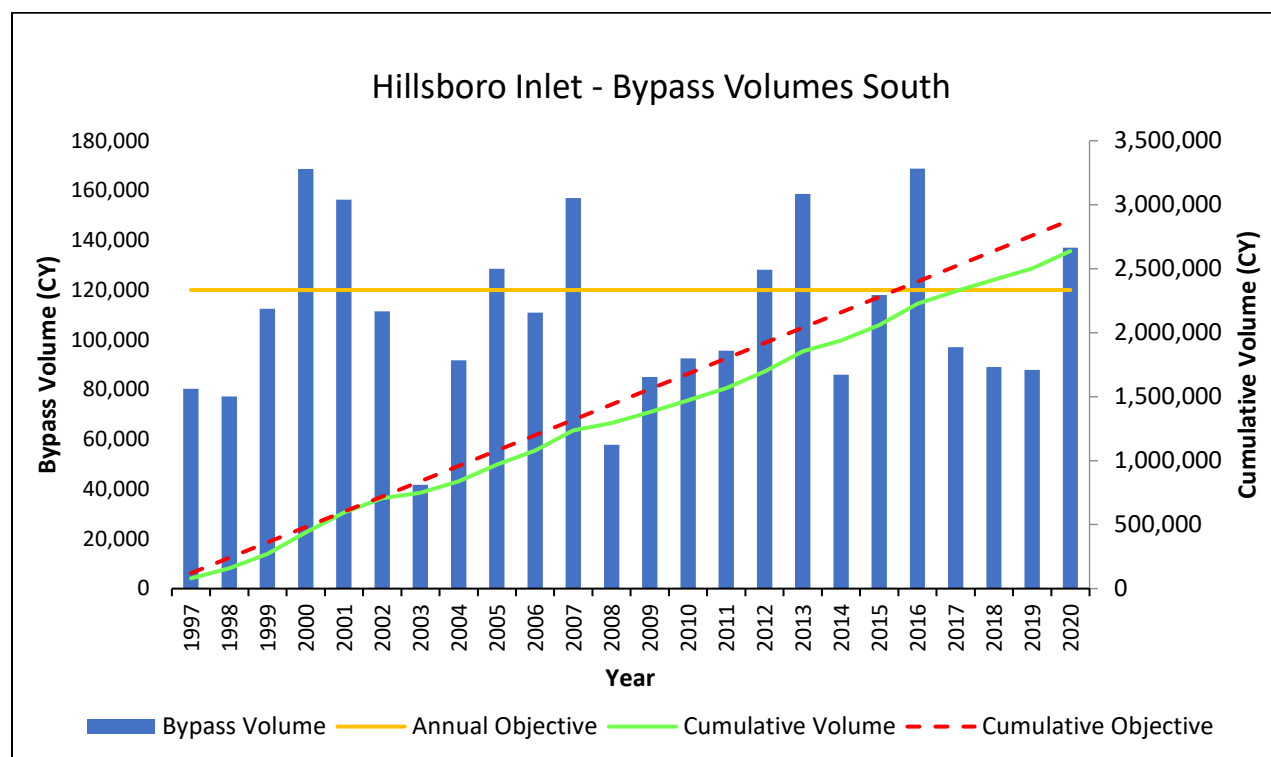


Figure 18: Hillsboro Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Port Everglades Inlet

Table 25: Port Everglades Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Broward	Port Everglades	1999	0	44,000
Broward	Port Everglades	2018	0	41,700

Table 26: Port Everglades Inlet bypass summary of sand bypass volumes, since 1999.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	160,200
Cumulative Objective:	0	961,100
Annualized Volume Bypassed:	0	7,282
Surplus (Deficit):	0	-800,900
Percent Objective Met:	N/A	16.67%

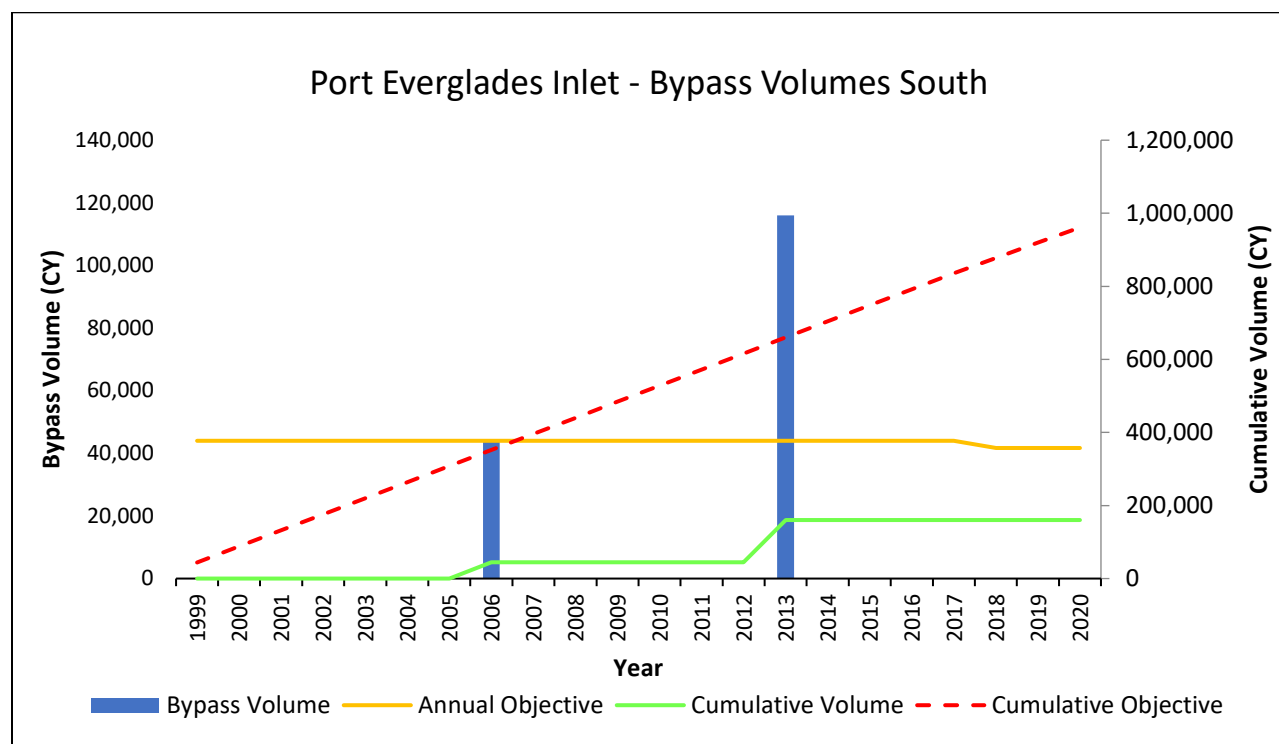


Figure 19: Port Everglades Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Bakers Haulover Inlet

Table 27: Bakers Haulover Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Dade	Bakers Haulover	1997	0	26,700

*IMP was updated in 2021 with a new bypass objective and can be viewed on the department's web site.

Table 28: Bakers Haulover Inlet bypass summary of sand bypass volumes, since 1997.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	900,708
Cumulative Objective:	0	640,800
Annualized Volume Bypassed:	0	37,530
Surplus (Deficit):	0	259,908
Percent Objective Met:	N/A	140.56%

*Percent objective met is N/A due to the monitoring based objective.

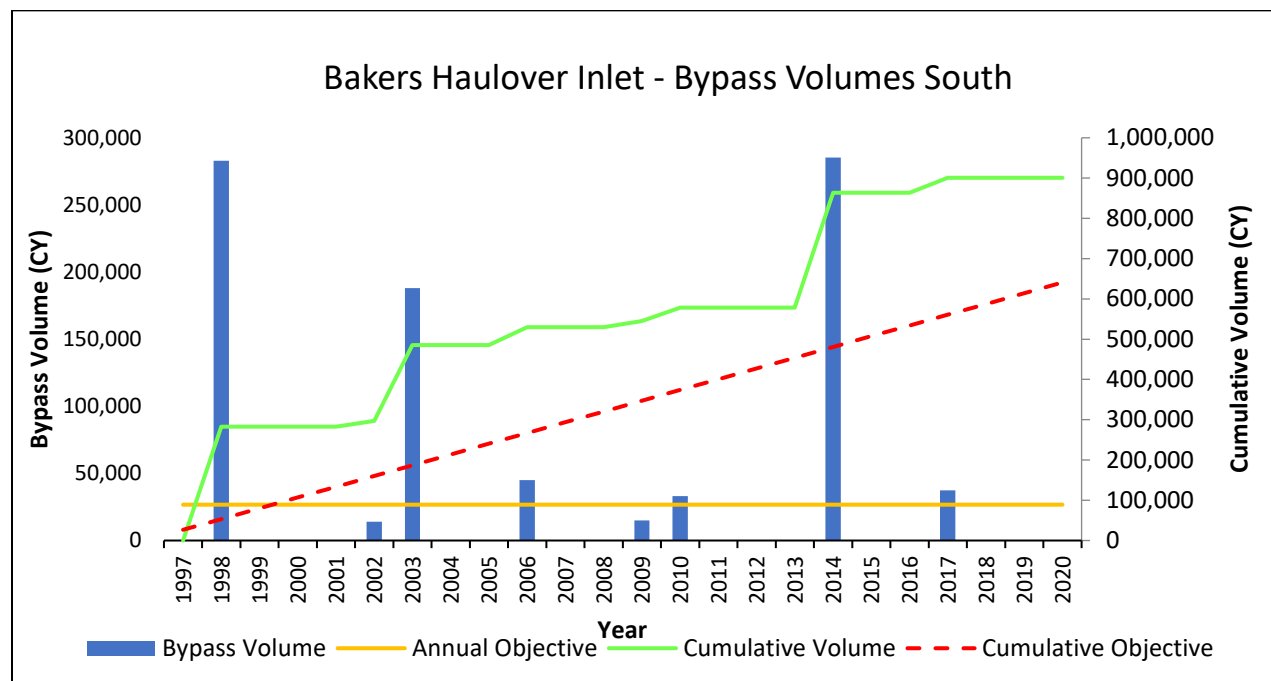


Figure 20: Bakers Haulover Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Panhandle Gulf Coast Region



Figure 21: Mexico Beach Inlet being dredged to bypass material to Mexico Beach, photo by Ralph Clark (DEP) in April 2010.

East Pass

Table 29: East Pass Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective East (CY)	Annual Bypass Objective West (CY)
Okaloosa	East Pass	2000	0	82,000
Okaloosa	East Pass	2013	Monitoring Based	Monitoring Based

*Bypassing to the west for the time period of 2000 to 2012 (IMP of 2000) has a percent objective met of 54%.

Table 30: East Pass bypass summary of sand bypass volumes, since 2013.

Bypassing Matrix	East Bypass (CY)	West Bypass (CY)
Cumulative Volume Bypassed:	203,100	136,000
Cumulative Objective:	0	0
Annualized Volume Bypassed:	25,388	17,000
Surplus (Deficit):	0	0
Percent Objective Met:	N/A	N/A

*Percent objective met is N/A due to the monitoring based objective of the updated 2013 IMP.

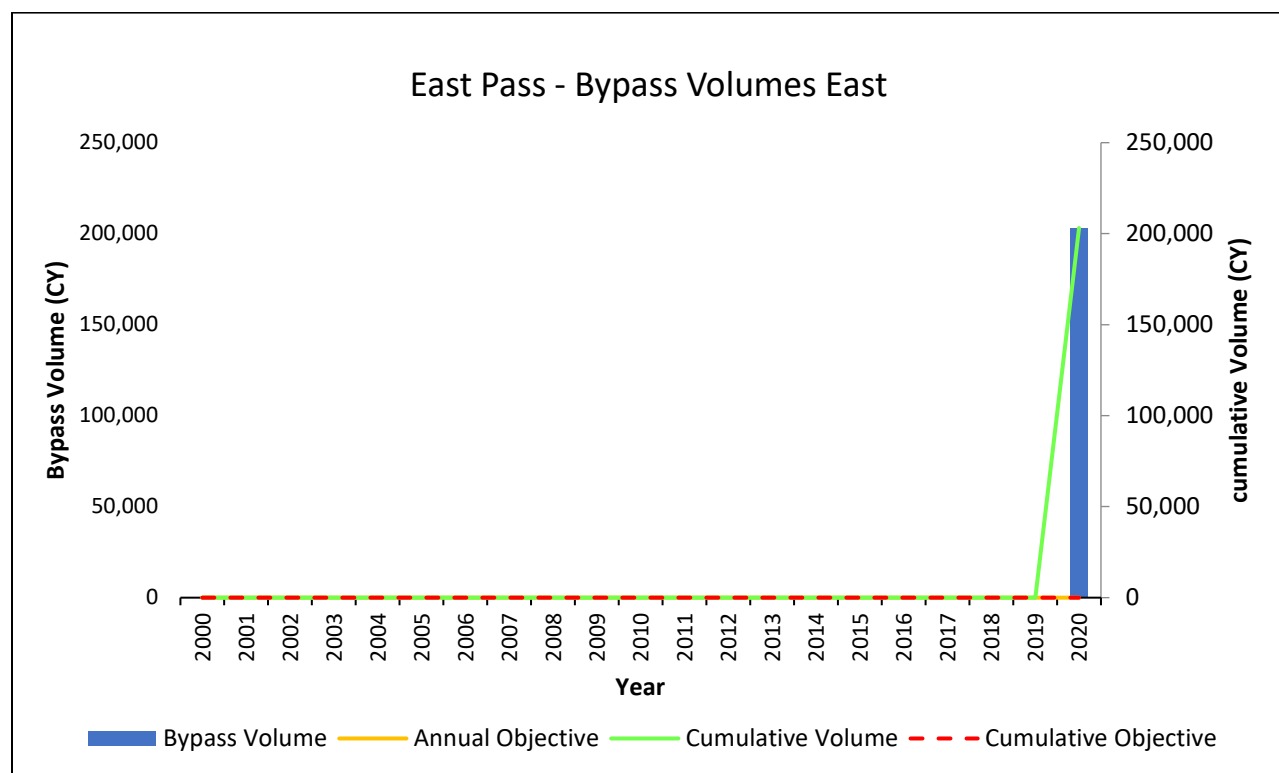


Figure 22: East Pass bypass volume, annual objective, cumulative volume and cumulative objective.

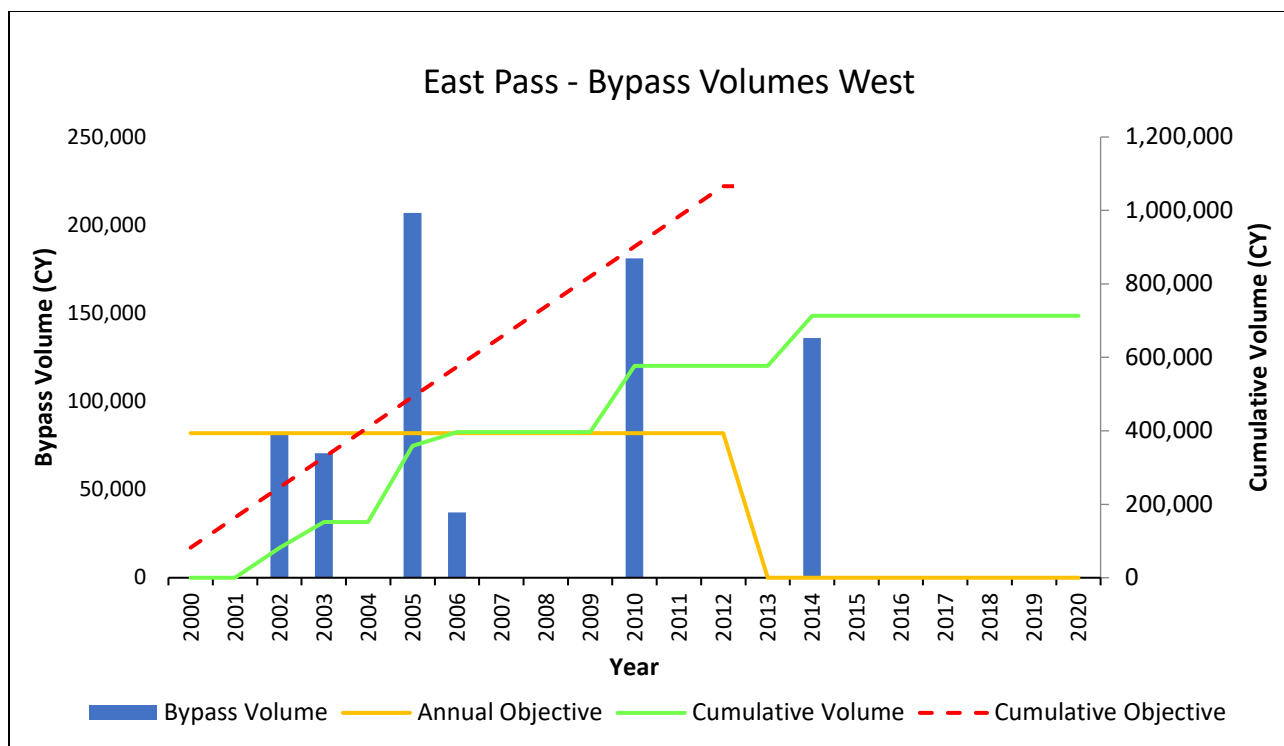


Figure 23: East Pass bypass volume, annual objective, cumulative volume and cumulative objective.

Mexico Beach Inlet

Table 31: Mexico Beach Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective East (CY)	Annual Bypass Objective West (CY)
Bay	Mexico Beach	2008	32,400	0

*Strategy adopted originally in the 2008 Strategic Beach Management Plan.

Table 32: Mexico Beach Inlet bypass summary of sand bypass volumes, since 2008.

Bypassing Matrix	East Bypass (CY)	West Bypass (CY)
Cumulative Volume Bypassed:	391,379	0
Cumulative Objective:	421,200	0
Annualized Volume Bypassed:	30,106	0
Surplus (Deficit):	-29,821	0
Percent Objective Met:	92.92%	N/A

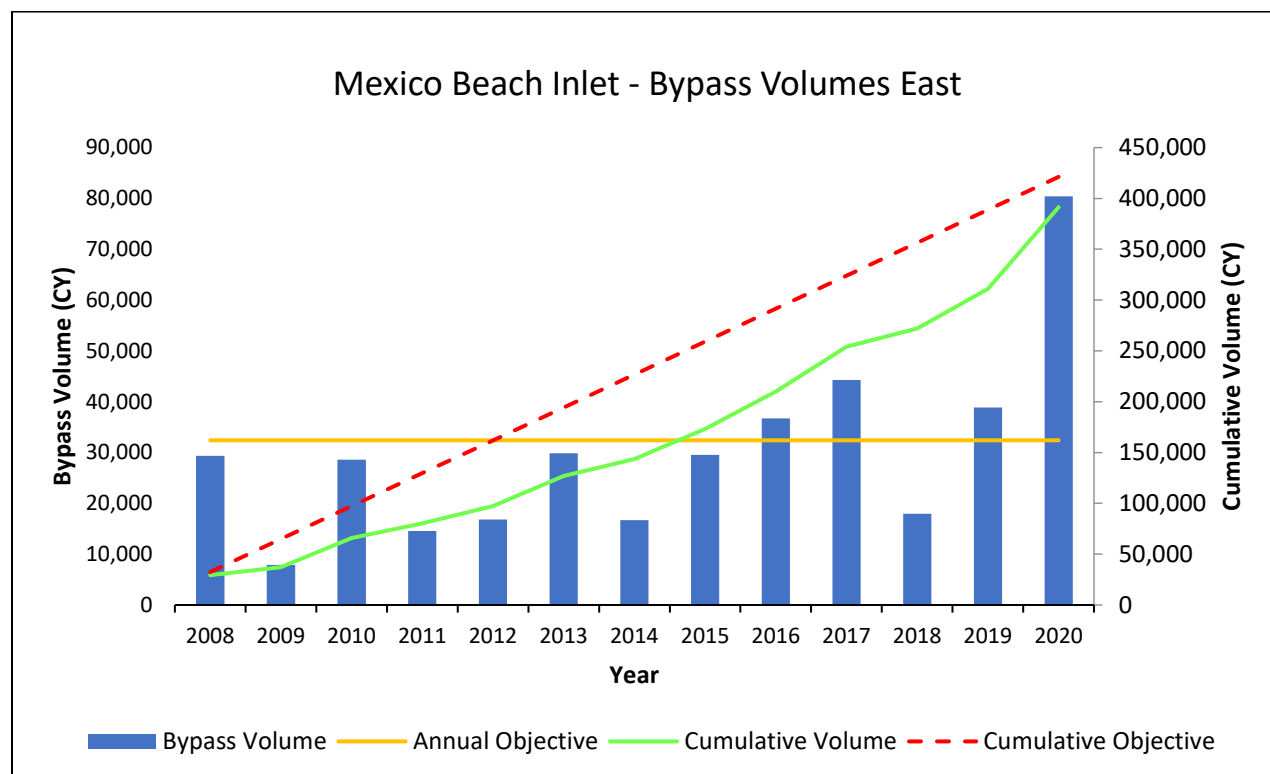


Figure 24: Mexico Beach Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Southwest Gulf Coast Region



Figure 25: Wiggins Pass being dredged to bypass material to the north and south. Photo courtesy of Humiston and Moore, July 2018.

John's Pass

Table 33: John's Pass - Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Pinellas	John's Pass	2018	0	21,000

Table 34: John's Pass bypass summary of sand bypass volumes, since 2018.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	110,000
Cumulative Objective:	0	63,000
Annualized Volume Bypassed:	0	36,667
Surplus (Deficit):	0	47,000
Percent Objective Met:	N/A	174.60%

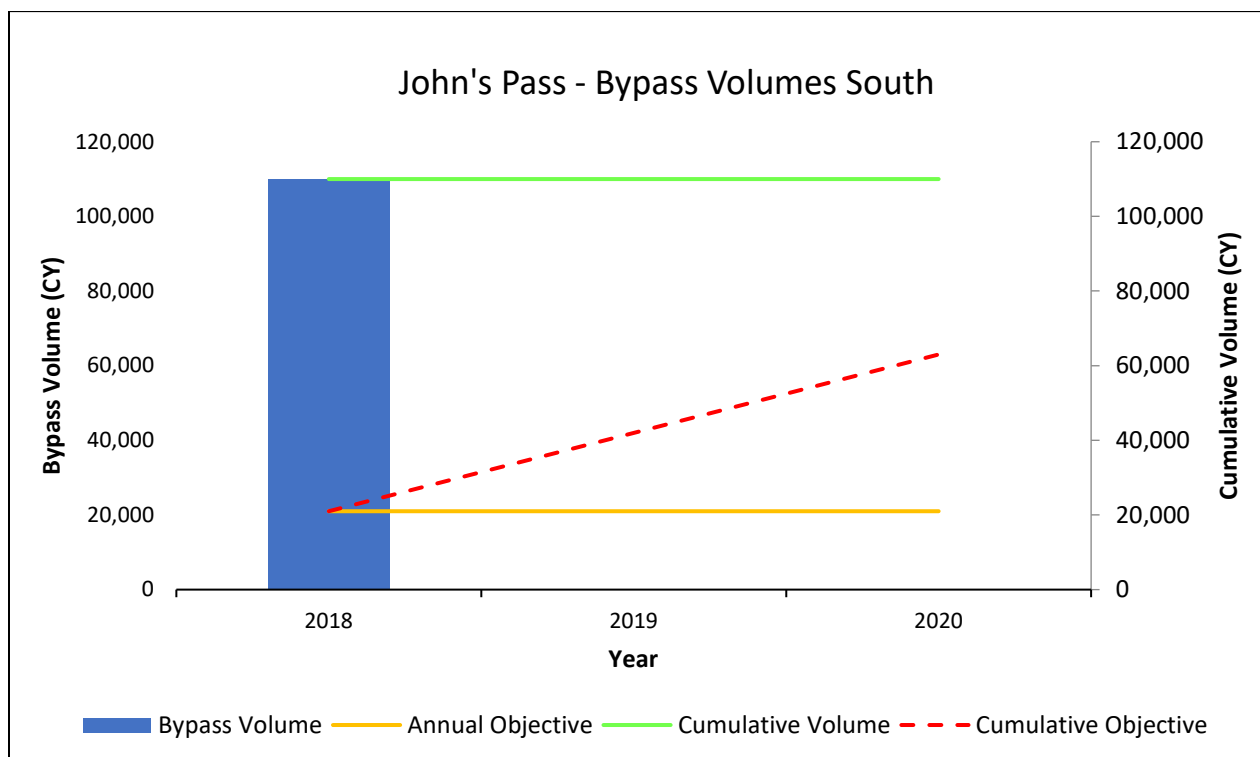


Figure 26: John's Pass bypass volume, annual objective, cumulative volume and cumulative objective.

Blind Pass (Pinellas County)

Table 35: Blind Pass Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Pinellas	Blind Pass	2017	12,000	31,000

Table 36: Blind Pass Inlet bypass summary of sand bypass volumes, since 2017.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	150,854
Cumulative Objective:	48,000	124,000
Annualized Volume Bypassed:	0	37,714
Surplus (Deficit):	-48,000	26,854
Percent Objective Met:	0.00%	121.66%

*No bypass numbers to the north to justify a bar graph.

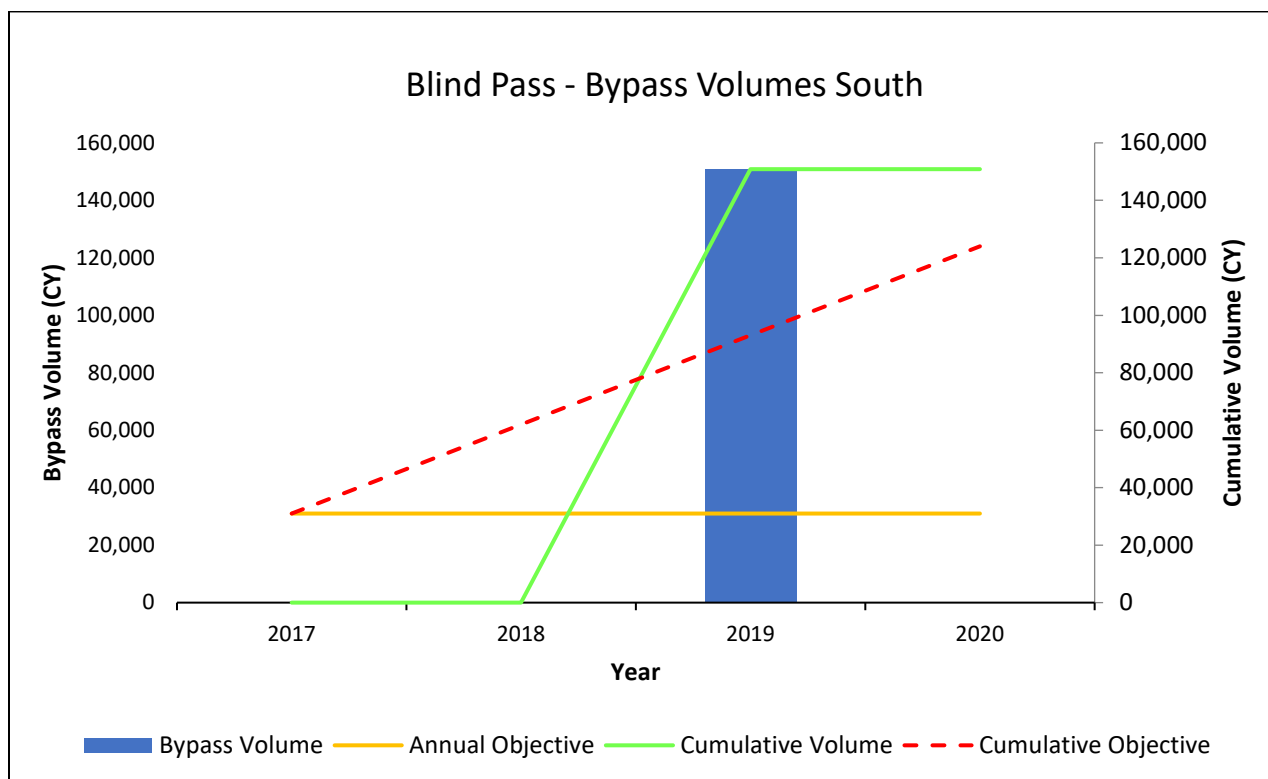


Figure 27: Blind Pass bypass volume, annual objective, cumulative volume and cumulative objective.

Pass-a-Grille Inlet

Table 37: Pass-a-Grille Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Pinellas	Pass-a-Grille	2019	14,000	0

Table 38: Pass-a-Grille Inlet bypass summary of sand bypass volumes, since 2019.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	0
Cumulative Objective:	28,000	0
Annualized Volume Bypassed:	0	0
Surplus (Deficit):	-28,000	0
Percent Objective Met:	0	N/A

*No numbers to report to justify a bar graph.

Longboat Pass

Table 39: Longboat Pass Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Manatee	Longboat Pass	2008*	0	57,800

*Bypass objective is from the Strategic Beach Management Plan (2008).

Table 40: Longboat Pass bypass summary of sand bypass volumes, since 2008.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	313,400
Cumulative Objective:	0	751,400
Annualized Volume Bypassed:	0	24,108
Surplus (Deficit):	0	-438,000
Percent Objective Met:	N/A	41.71%

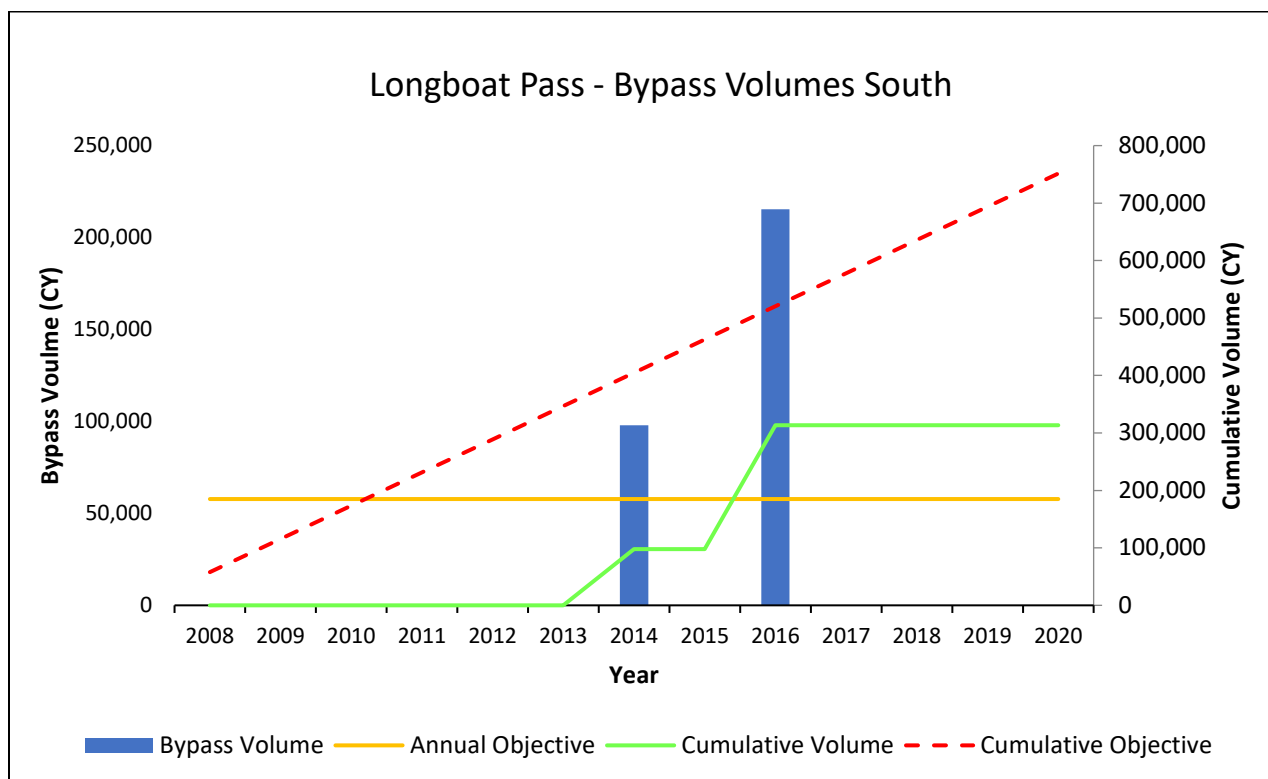


Figure 28: Longboat Pass bypass volume, annual objective, cumulative volume and cumulative objective.

Venice Inlet

Table 41: Venice Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Sarasota	Venice Inlet	1998	0	64,620

Table 42: Venice Inlet bypass summary of sand bypass volumes, since 1998.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	28,932
Cumulative Objective:	0	1,486,260
Annualized Volume Bypassed:	0	1,258
Surplus (Deficit):	0	-1,457,328
Percent Objective Met:	N/A	1.95%

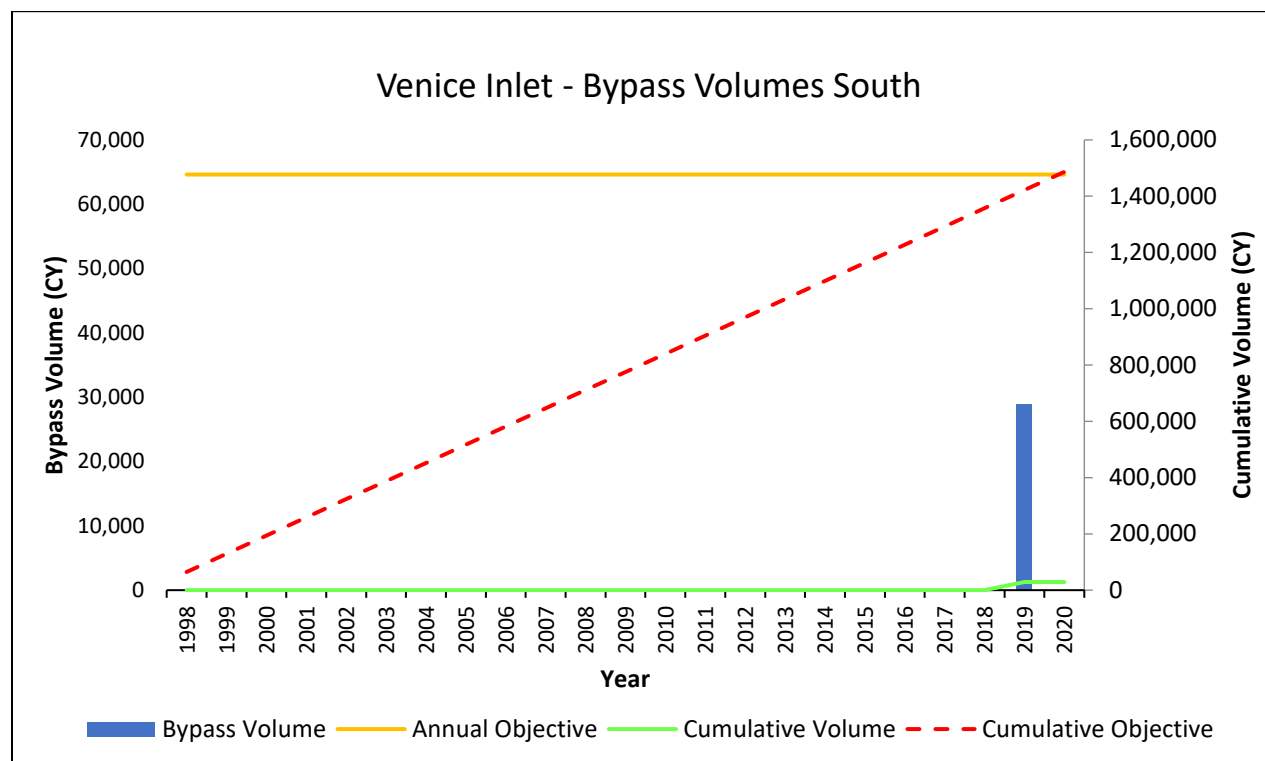


Figure 29: Venice Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Stump Pass

Table 43: Stump Pass Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Charlotte	Stump Pass	2016	6,000	25,000

Table 44: Stump Pass Inlet bypass summary of sand bypass volumes, since 2016.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	48,000*	88,100
Cumulative Objective:	30,000	100,000
Annualized Volume Bypassed:	9,600	22,025
Surplus (Deficit):	18,000	-11,900
Percent Objective Met:	160.00%	88.10%

*Cumulative volume is based upon nourishment interval of eight years for bypass to the north and does not include beach nourishment volume listed in the SBMP.

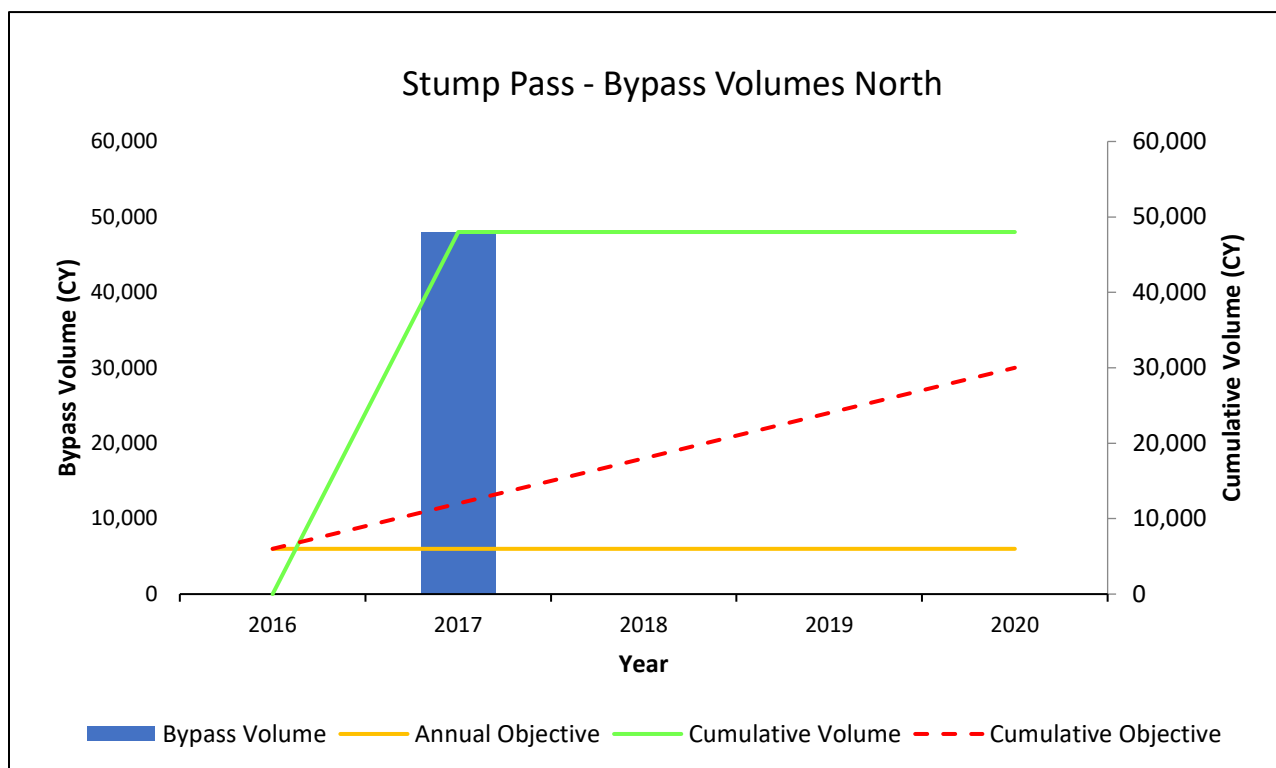


Figure 30: Stump Pass bypass volume, annual objective, cumulative volume and cumulative objective.

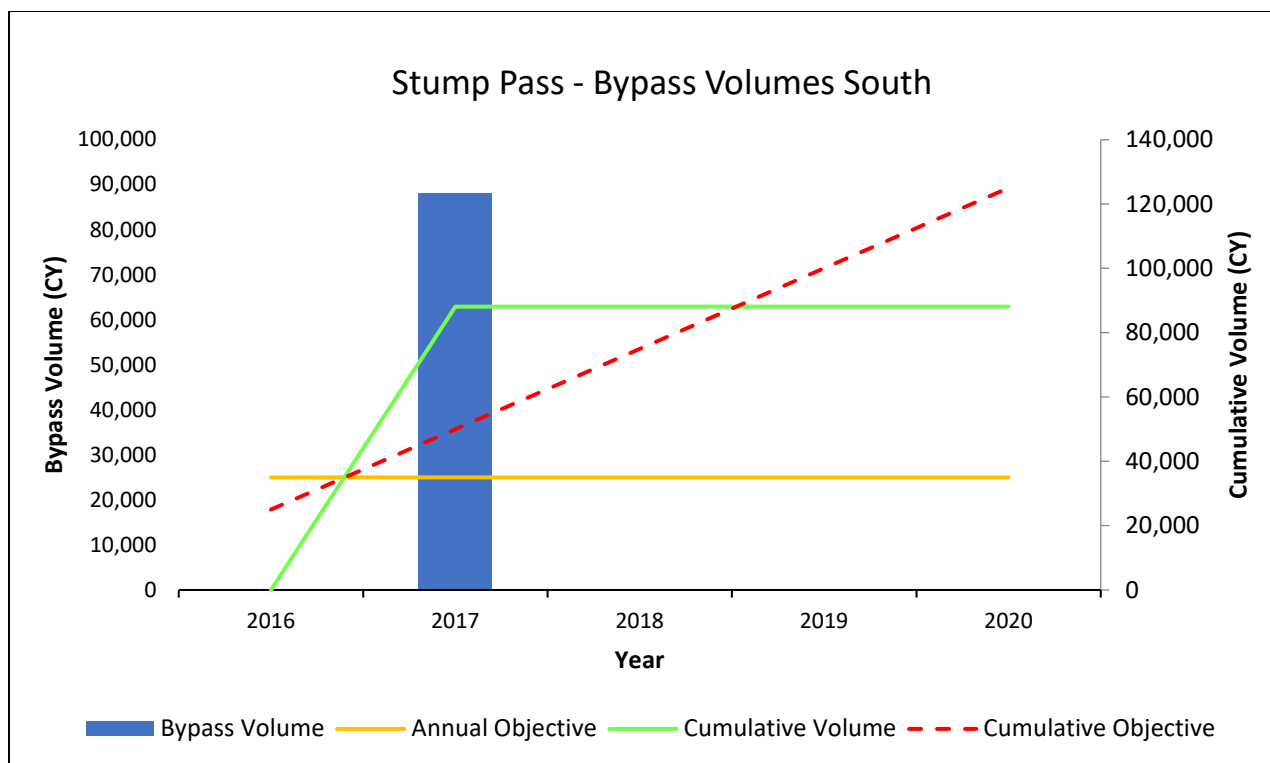


Figure 31: Stump Pass bypass volume, annual objective, cumulative volume and cumulative objective.

Blind Pass (Lee County)

Table 45: Blind Pass Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Lee	Blind Pass	2019	0	21,000

Table 46: Blind Pass bypass summary of sand bypass volumes, since 2019.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	0
Cumulative Objective:	0	42,000
Annualized Volume Bypassed:	0	0
Surplus (Deficit):	0	-42,000
Percent Objective Met:	N/A	0.00%

*No numbers to report to justify a bar graph.

Wiggins Pass

Table 47: Wiggins Pass Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Collier	Wiggins Pass	2018	13,773	6,867

Table 48: Wiggins Pass bypass summary of sand bypass volumes, since 2018.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	74,784	35,597
Cumulative Objective:	41,319	20,601
Annualized Volume Bypassed:	24,928	11,866
Surplus (Deficit):	33,465	14,996
Percent Objective Met:	180.99%	172.79%

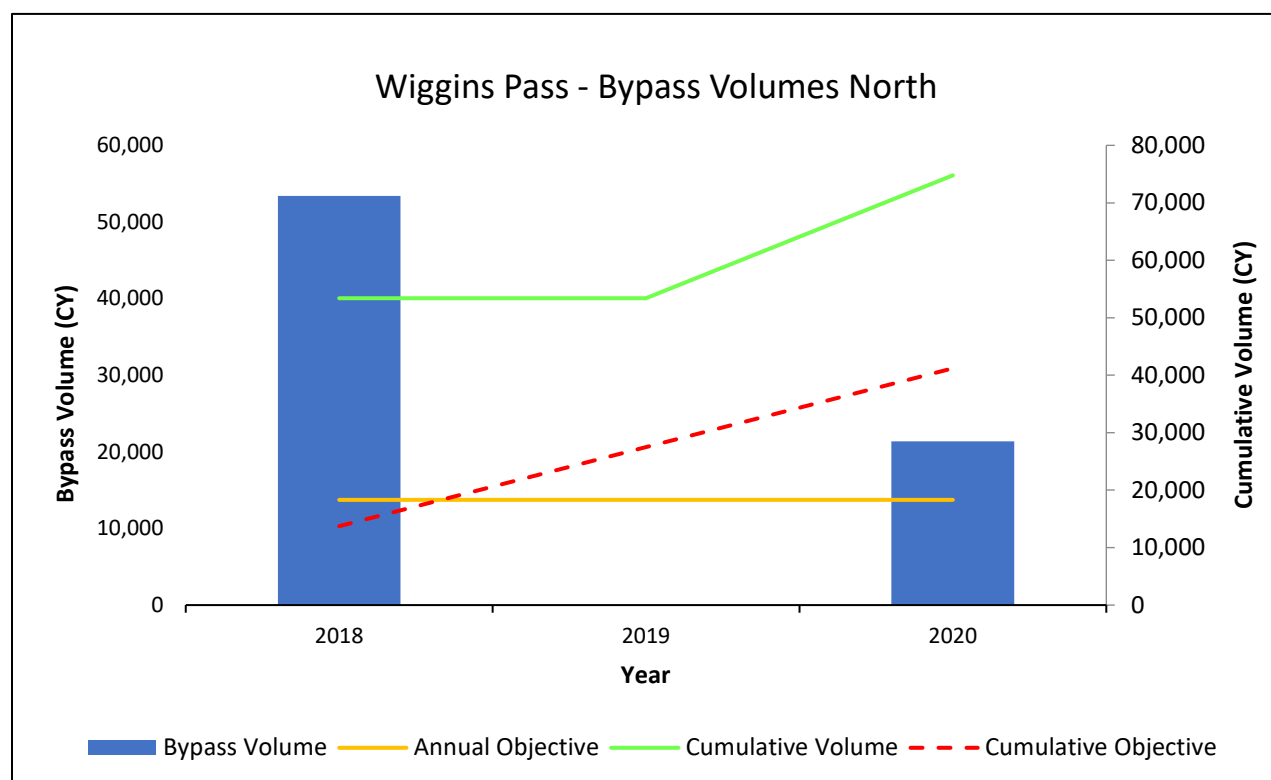


Figure 32: Wiggins Pass bypass volume, annual objective, cumulative volume and cumulative objective.

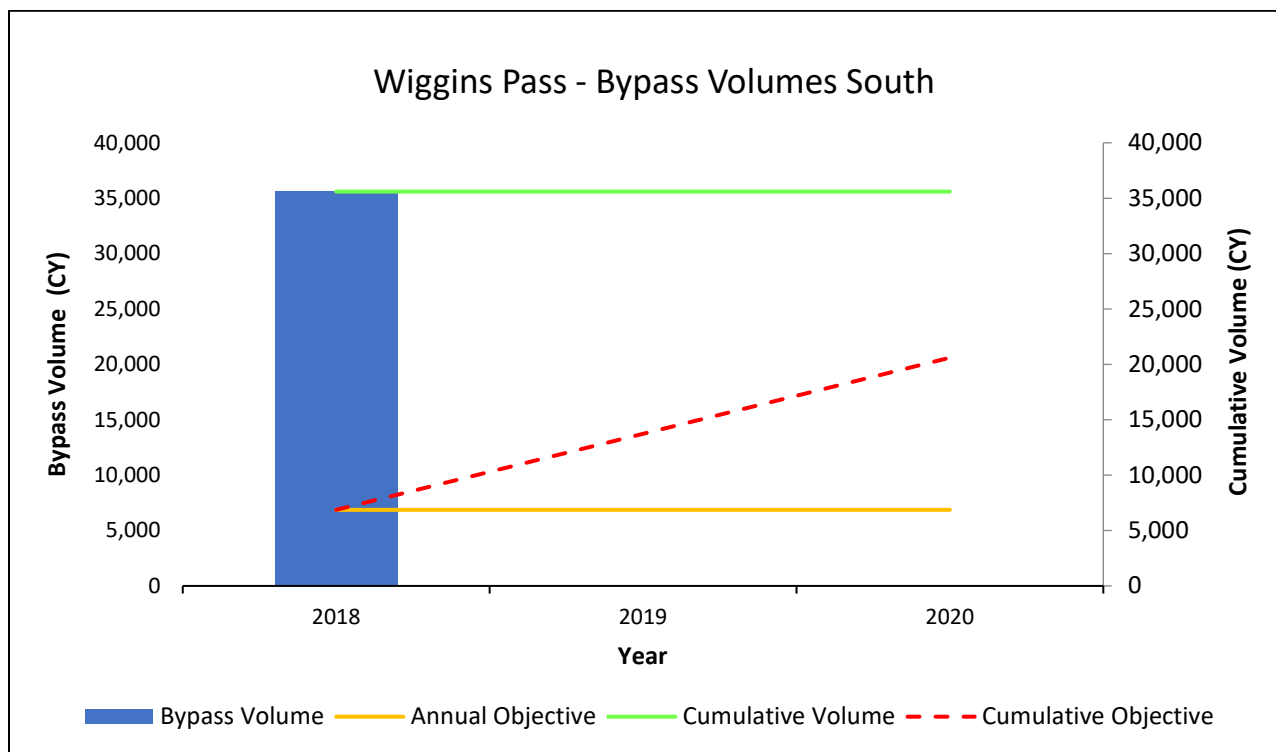


Figure 33: Wiggins Pass bypass volume, annual objective, cumulative volume and cumulative objective.

Doctors Pass

Table 49: Doctors Pass Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Collier	Doctors Pass	1997	0	10,000

Table 50: Doctors Pass bypass summary of sand bypass volumes, since 1997.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	176,626
Cumulative Objective:	0	240,000
Annualized Volume Bypassed:	0	7,359
Surplus (Deficit):	0	-63,374
Percent Objective Met:	N/A	73.59%

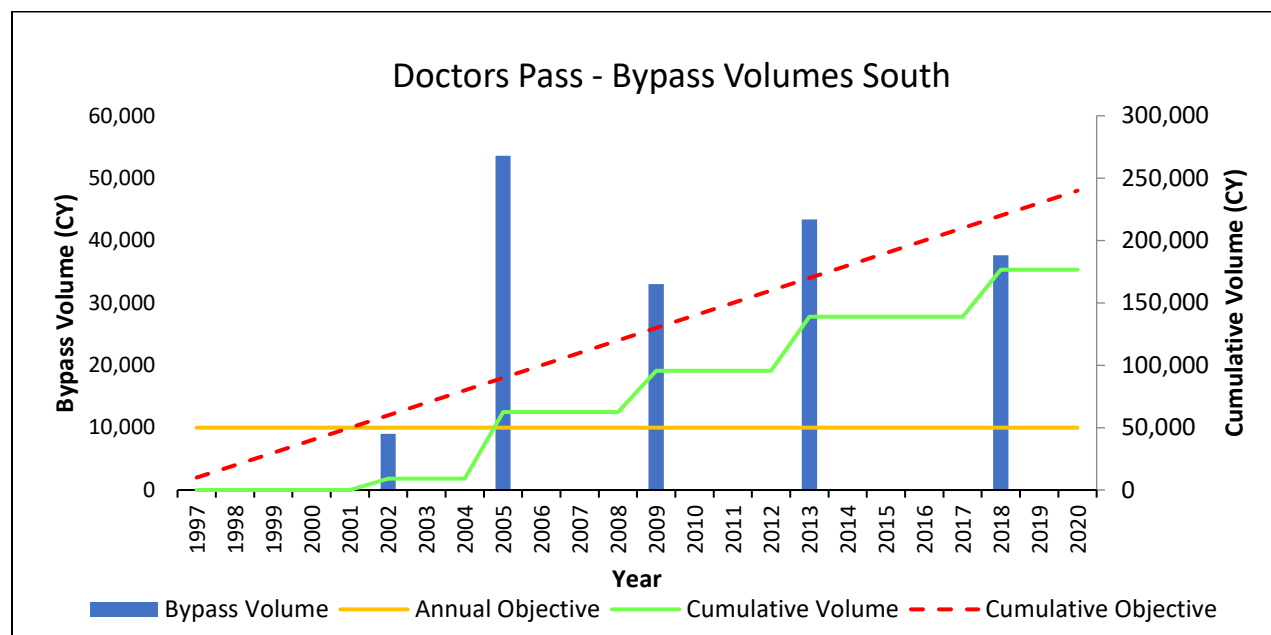


Figure 34: Doctors Pass bypass volume, annual objective, cumulative volume and cumulative objective.

References

Florida Department of Environmental Protection, 2020. *Strategic Beach Management Plan*, Office of Resilience and Coastal Protection, 380 p.

Florida Department of Environmental Protection, 2020. [*Annual Inlet Bypassing Numbers*](#), Office of Resilience and Coastal Protection, 34 p.