Annual Inlet Report

Office of Resilience and Coastal Protection

Florida Department of Environmental Protection

September 2025
(Revised December 2025)

ANNUAL INLET REPORT

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

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, then west to east through the Panhandle Region, and finally 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 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 on sediment budgets developed through inlet studies, typically sponsored by local government entities. These studies are designed to determine the best strategies for mitigating 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 otherwise available to, the department though 2024 was included. For some inlets, data may be incomplete or unavailable at the time of publication. Beach nourishment is another management strategy for Florida's eroded beaches. Sand volumes associated with these projects can be found in the Strategic Beach Management Plan. In some cases, beach nourishment projects adjacent to inlets have mitigated some or all of the inlet effects. Inlet Management Plans are available on the department's website. The department and/or local governments sponsor inlet management studies and inlet reports, which can be viewed or downloaded from the OCULUS folder (use the Public Login tab to access the site). A

full listing of Florida's inlets (66) along the Atlantic Coast and Gulf Coast can be viewed in Table's 1 through 4 of the Strategic Beach Management Plan's Introduction, within the Florida Inlets section.

It should also be noted that the department recognizes the language found in Section 161.142, F.S., regarding inlet sand bypassing activities and the historical sand deficits caused by inlets. The statute states: *"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 south to construct the St. Augustine Beach nourishment project. Photo by Guy Weeks (DEP), 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	4,035,936
Cumulative Objective:	0	14,958,000
Annualized Volume Bypassed:	0	149,479
Surplus (Deficit):	0	-10,922,064
Percent Objective Met:	N/A	26.98%

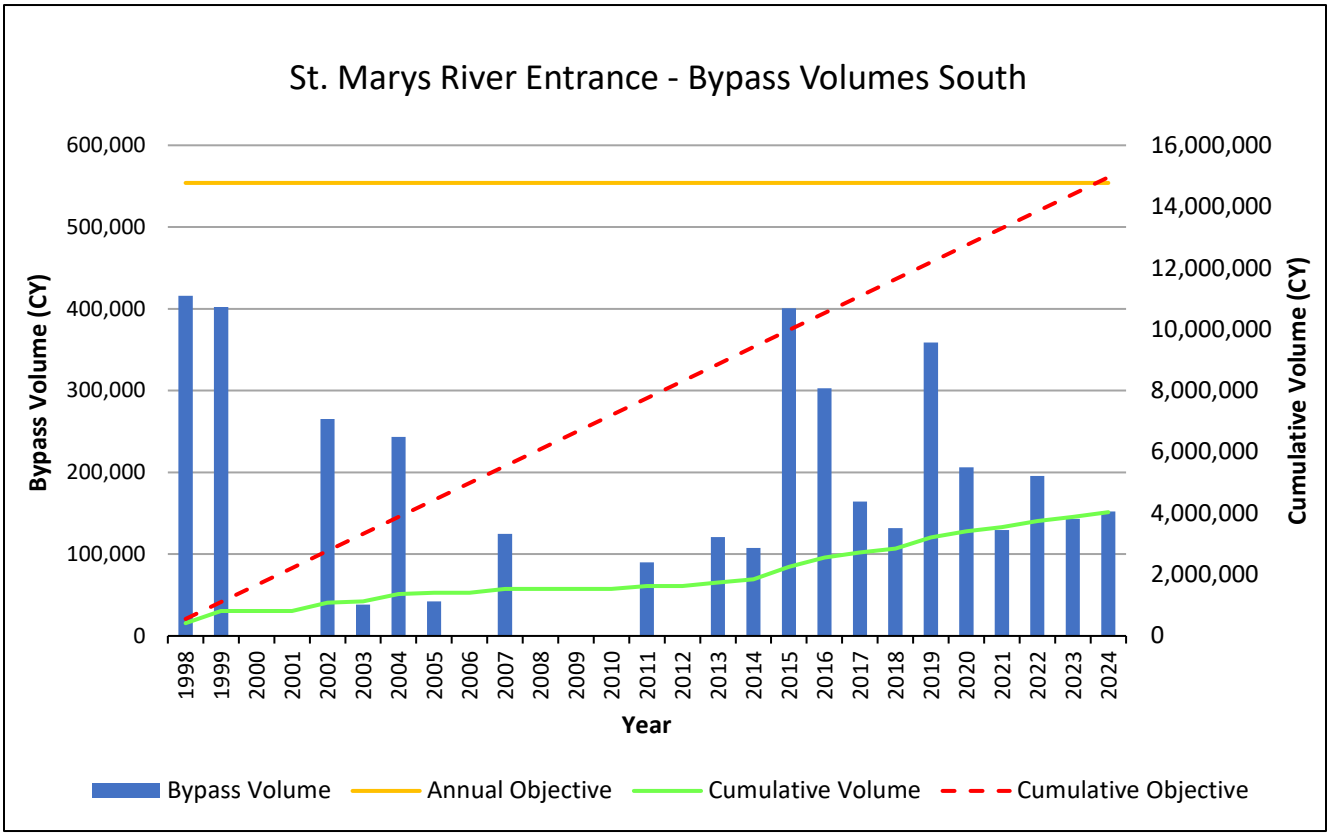

Figure 2. St. Marys River Entrance bypass volume, annual objective, cumulative volume and cumulative objective.

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:	1,600,369	9,946,525
Cumulative Objective:	1,019,337	10,198,663
Annualized Volume Bypassed:	145,488	368,390
Surplus (Deficit):	673,699	-66,805
Percent Objective Met:	157.00%	97.53%

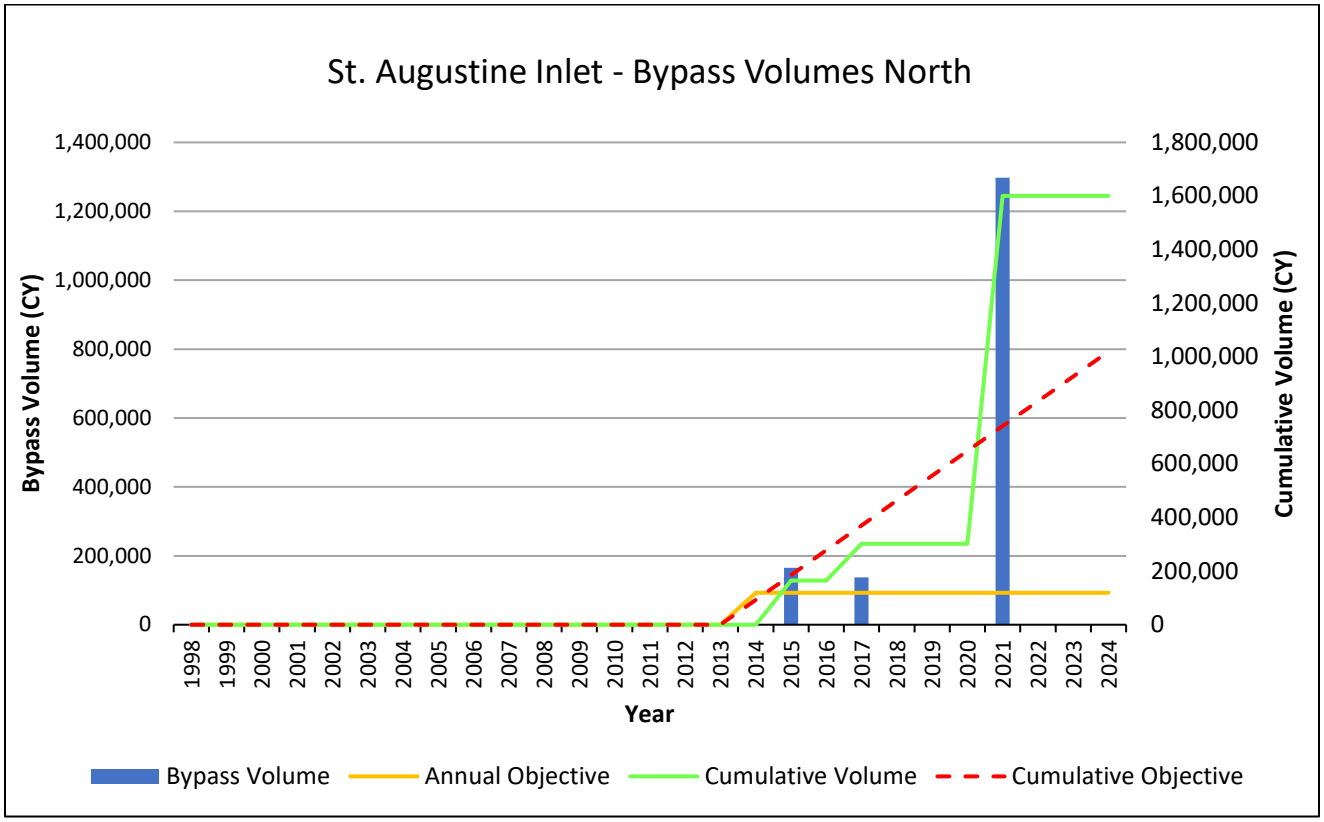

Figure 3. St. Augustine Inlet bypass volume, annual objective, cumulative volume and cumulative objective north of inlet.

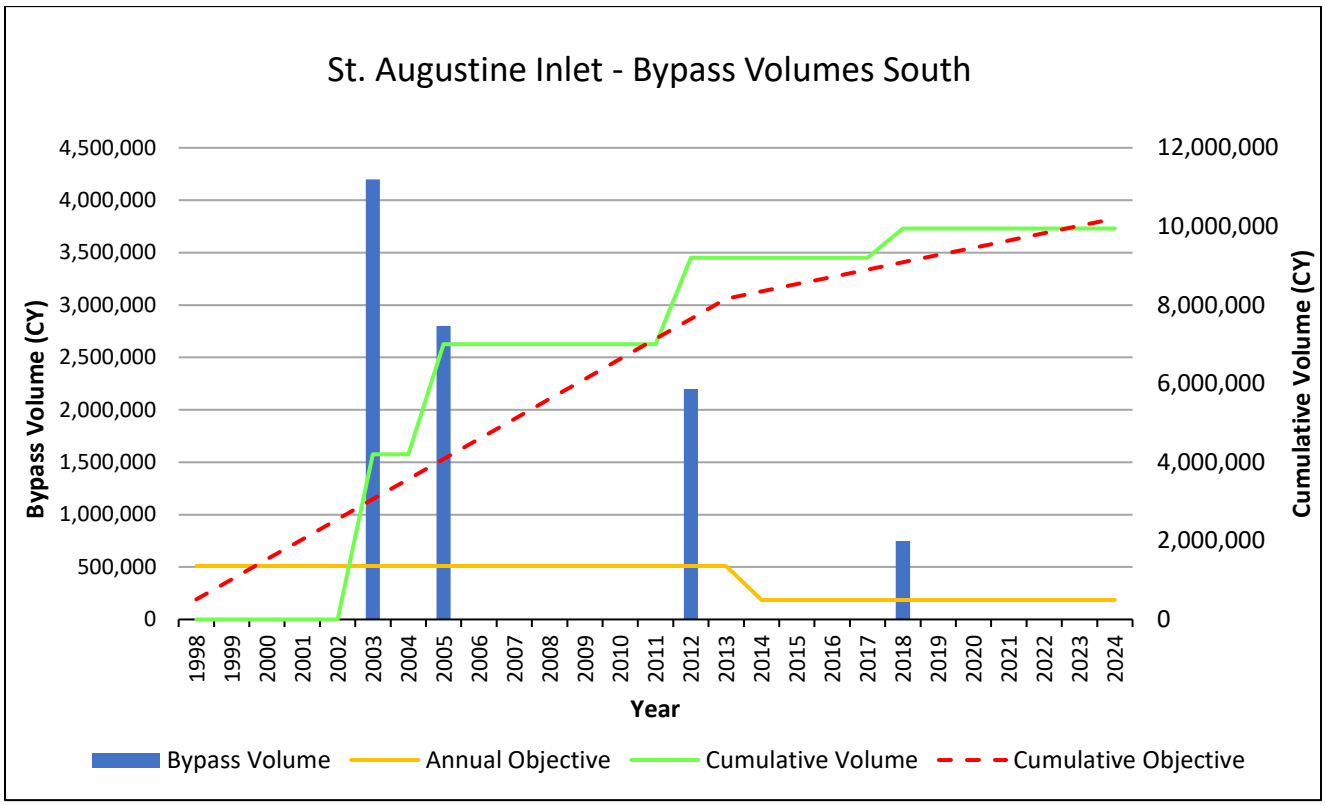

Figure 4. St. Augustine Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

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 (south) and 2020 (north).

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	60,676	1,386,864
Cumulative Objective:	200,000	1,089,000
Annualized Volume Bypassed:	12,135	53,341
Surplus (Deficit):	-139,324	297,864
Percent Objective Met:	30.34%	127.35%

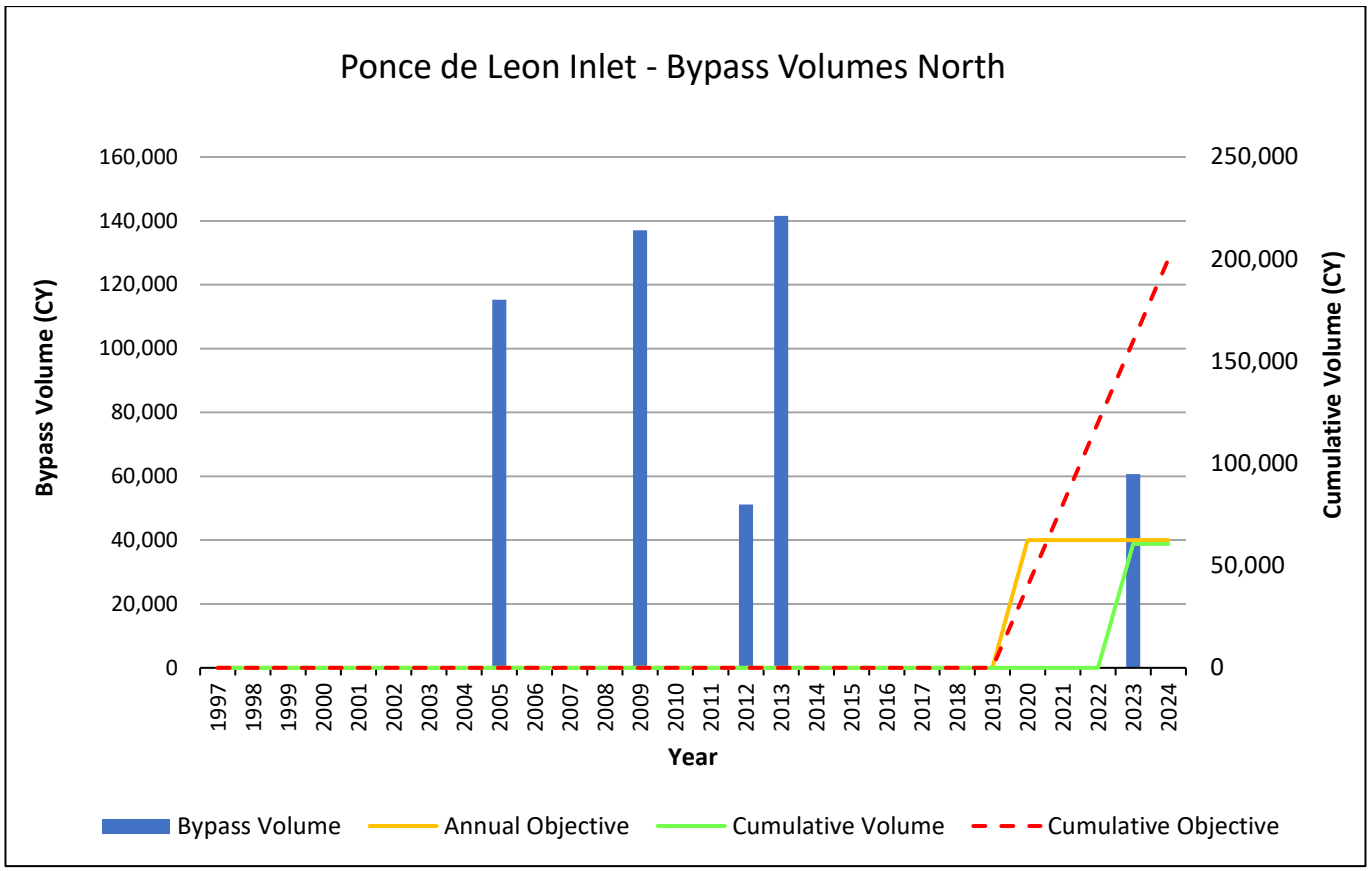

Figure 5. Ponce de Leon Inlet bypass volume, annual objective, cumulative volume and cumulative objective north of the inlet.

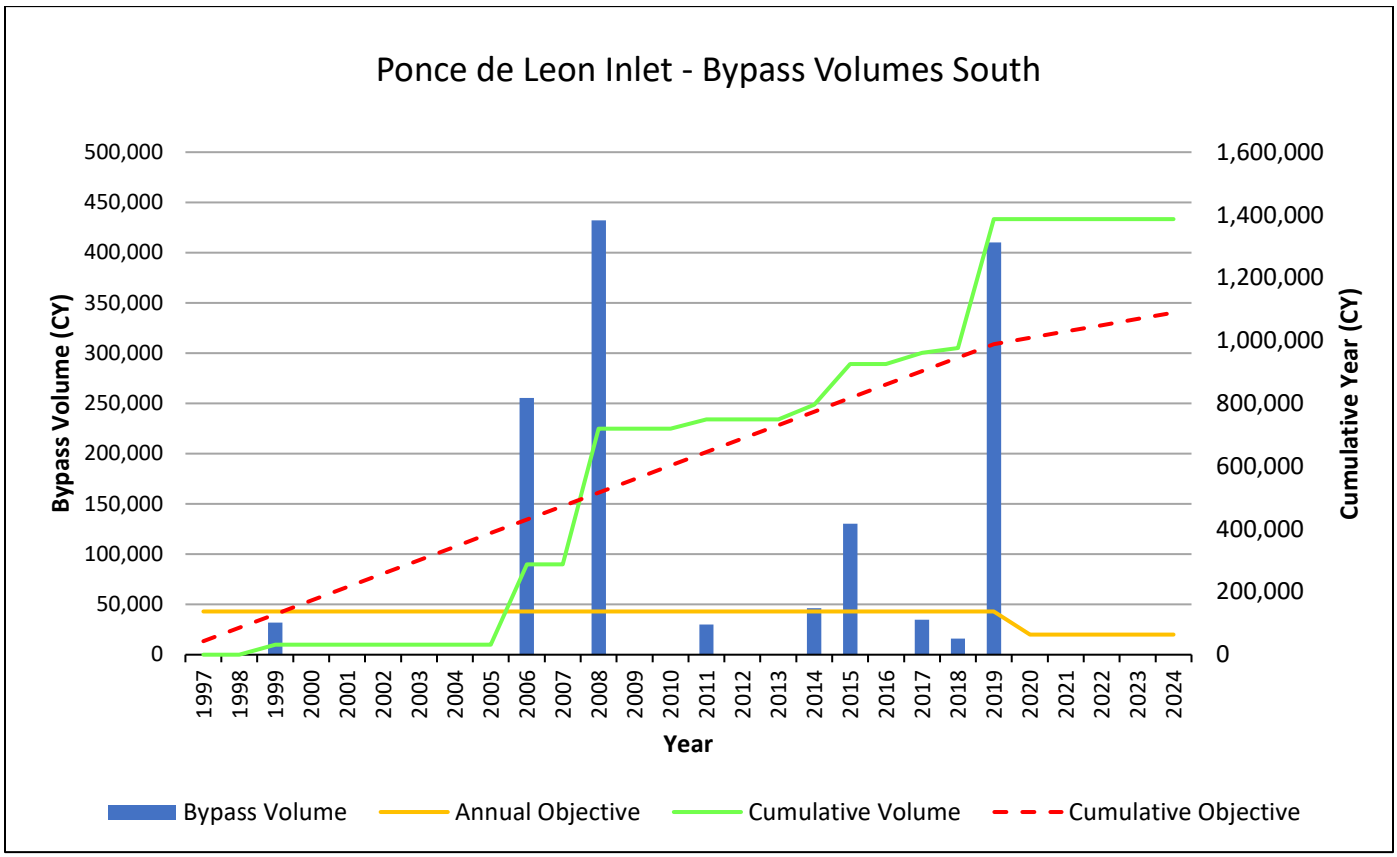

Figure 6. Ponce de Leon Inlet bypass volume, annual objective, cumulative volume and cumulative objective south of the inlet.

Central Atlantic Coast Region

Figure 7. The Great Lakes Dredge & Dock Company (Cutter Suction Dredge, the Illinois) north of Port Canaveral Inlet conducting sand bypassing southward, 2025. Photo courtesy of Mike McGarry (Brevard County) and Dr. Kevin Bodge, P.E., consultant.

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	2,891,142
Cumulative Objective:	0	2,652,000
Annualized Volume Bypassed:	0	160,619
Surplus (Deficit):	0	239,142
Percent Objective Met:	N/A	109.02%

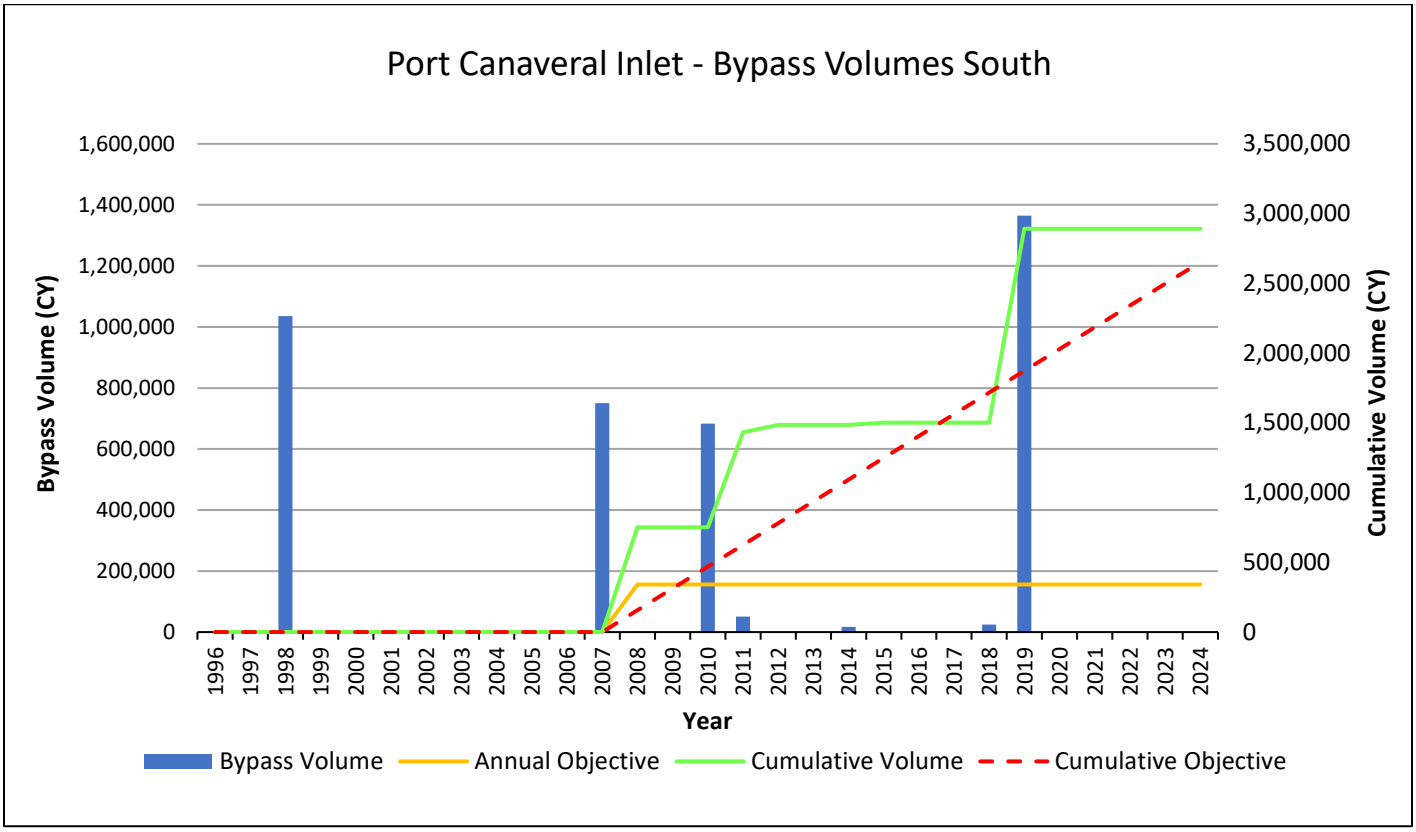

Figure 8. Port Canaveral Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

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
Indian River	Sebastian	2023	0	75,000

*The 2008 bypass objective was updated in the 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	1,949,332
Cumulative Objective:	0	2,060,000
Annualized Volume Bypassed:	0	77,973
Surplus (Deficit):	0	-110,668
Percent Objective Met:	N/A	94.63%

* Pursuant to the 2000 IMP, the bar graph includes 2003 and 2007 nourishment volumes.

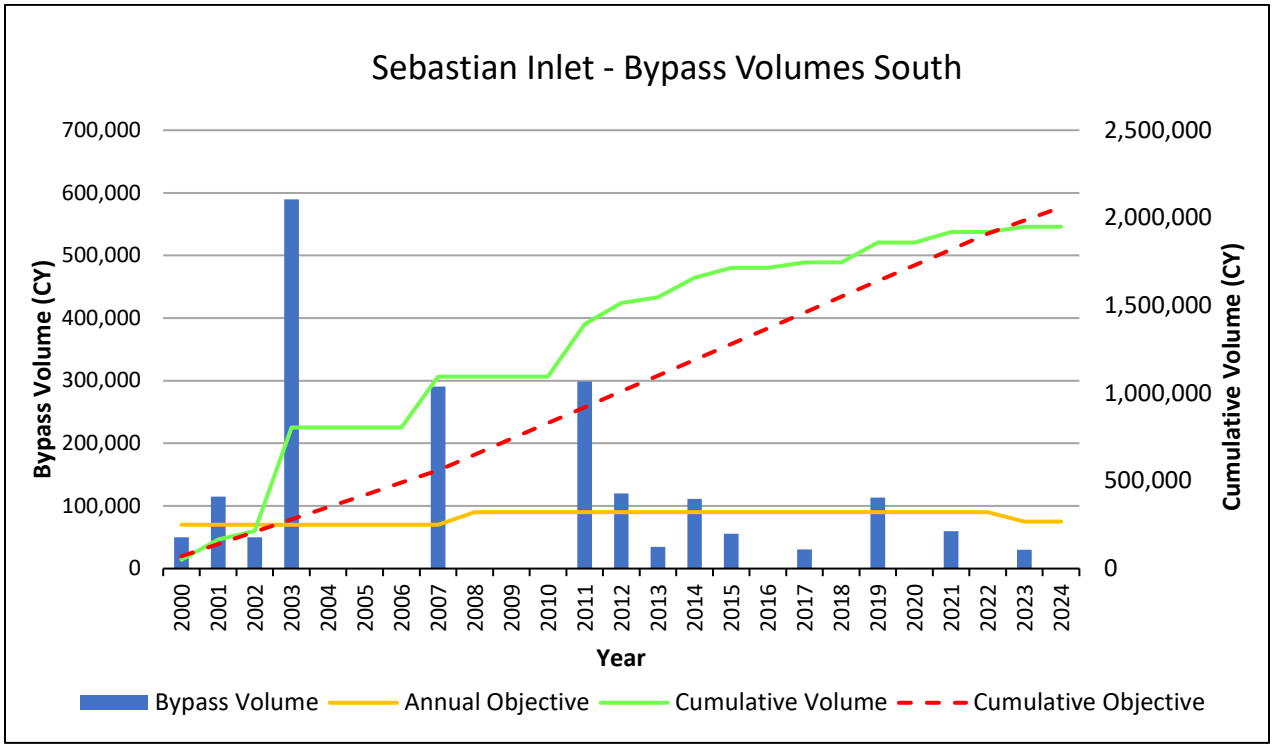

Figure 9. Sebastian Inlet bypass volume, annual objective, cumulative volume, and cumulative objective.

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
St. Lucie	Ft. Pierce	2022	0	140,000

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	3,670,000
Annualized Volume Bypassed:	0	10,040
Surplus (Deficit):	0	-3,388,874
Percent Objective Met:	N/A	7.66%

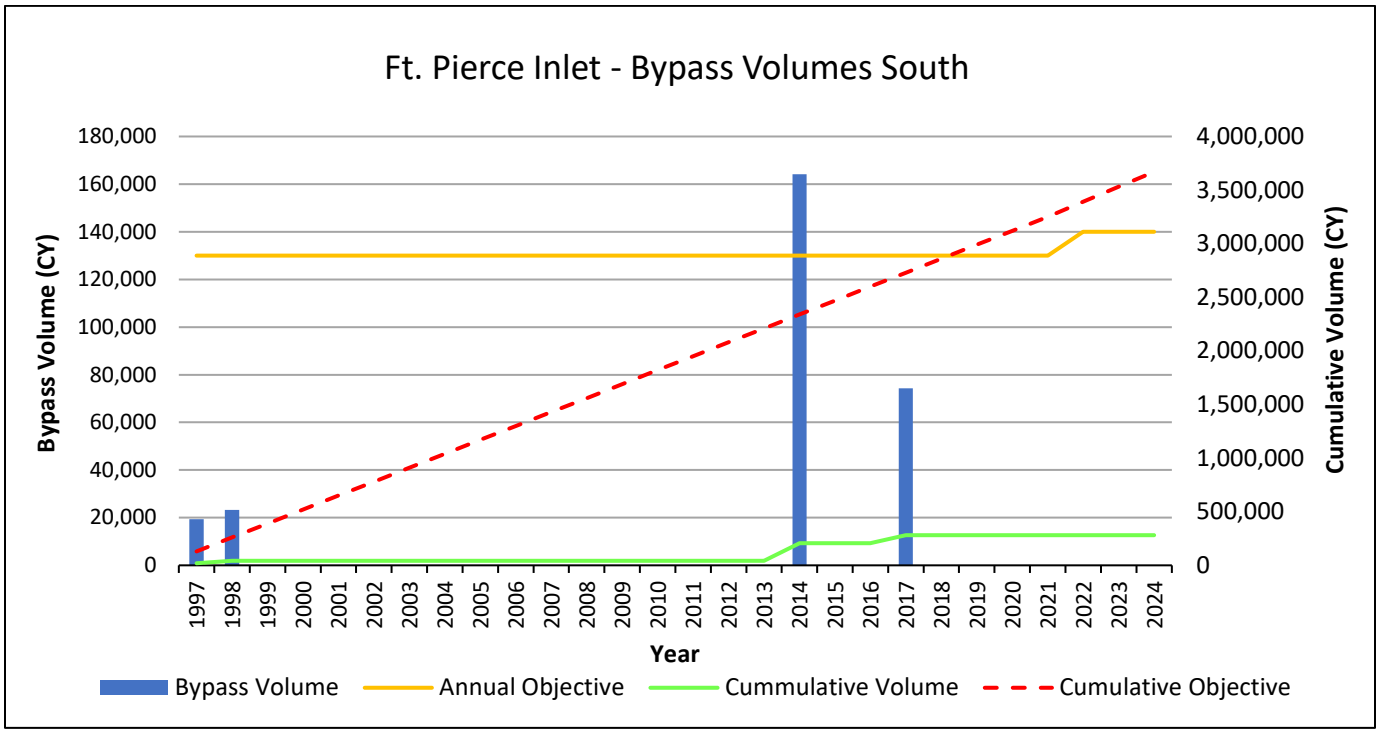

Figure 10. Ft. Pierce Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

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 (2)	2016*	34,000	161,000
Martin	St. Lucie-Updated (3)	2023	36,000	163,000

*Bypass objective of 185,000 cy to the south was initially established in 2008 of 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:	414,000^	1,478,932
Cumulative Objective:	310,000	1,453,000
Annualized Volume Bypassed:	46,000	1,478,932
Surplus (Deficit):	104,000	25,932
Percent Objective Met:	133.55%	101.78%

*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.

Between 2016 and 2024, north of St. Lucie Inlet, a total volume of 998,136 cubic yards of inlet dredging was conducted, with placement at Bathtub Beach and Sailfish Point between R34 and R40; of which, 414,000 cubic yards has been credited by the department as inlet bypassing. The remaining volume of 584,136 cubic yards is credited by the department toward beach nourishment at Bathtub Beach and Sailfish Point.

South of the inlet, Martin County contributed funding to the Town of Jupiter Island's 2016 beach nourishment project, equivalent to 500,000 cubic yards, which was credited toward inlet bypassing. Maintenance dredging of the inlet was completed in August 2018, with placement of 512,411 cubic yards in the designated offshore borrow area. In 2019, Martin County again contributed funding to the town's beach nourishment project, equivalent to 531,593 cubic yards, which was credited toward inlet bypassing by the department. In 2022, the county conducted maintenance dredging that bypassed 447,339 cubic yards from the inlet to the state park south of the inlet. This volume was credited towards inlet bypassing by the department. In 2025, Martin County once again contributed funding to the town's beach nourishment project, equivalent to 500,000 cubic yards. This volume will be credited towards inlet bypassing by the department in the 2025 Annual Inlet

Report.

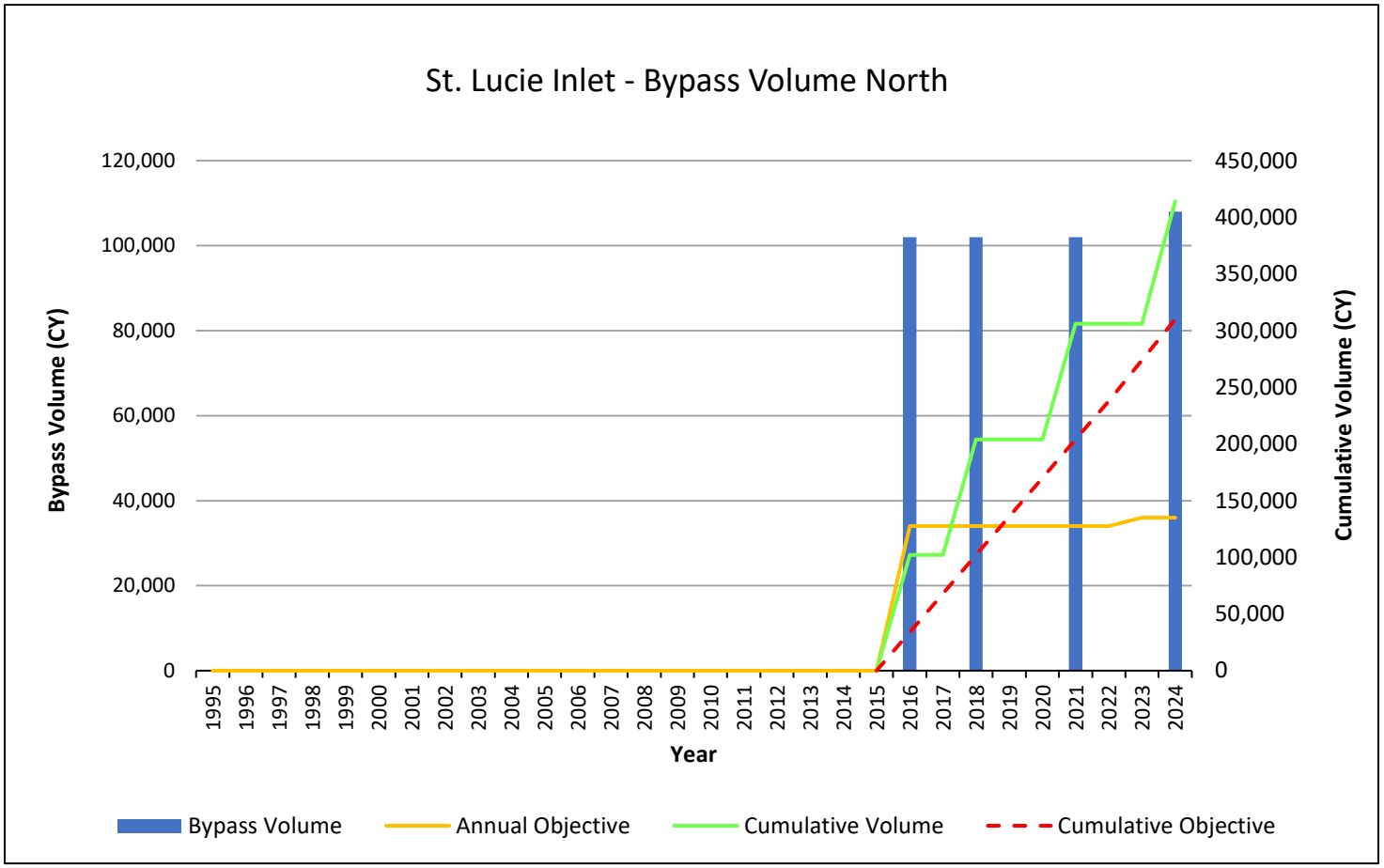

Figure 11. St. Lucie Inlet north bypass volume, annual objective, cumulative volume and cumulative objective.

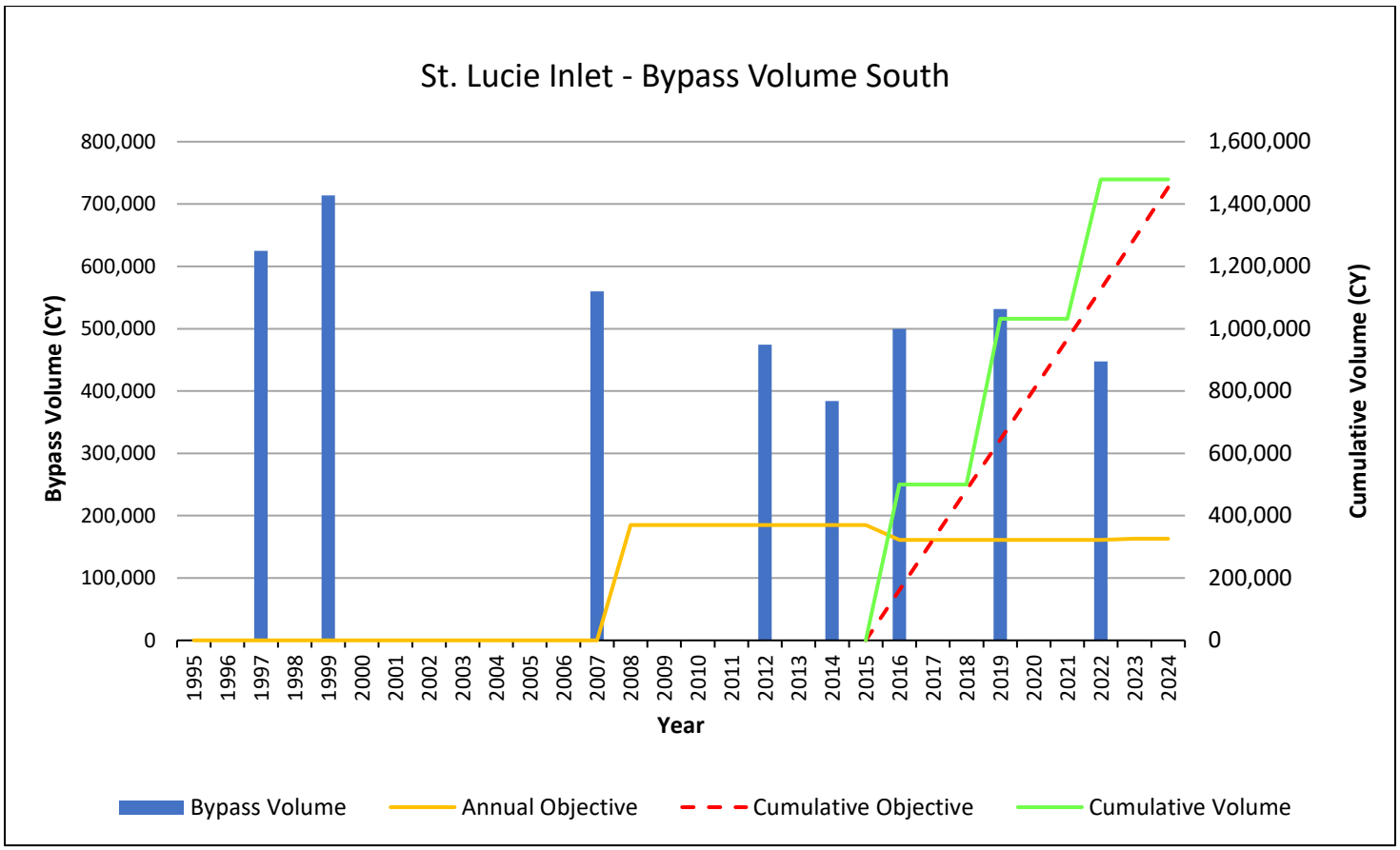

Figure 12. St. Lucie Inlet bypass south volume, annual objective, cumulative volume and cumulative objective.

Southeast Atlantic Coast Region

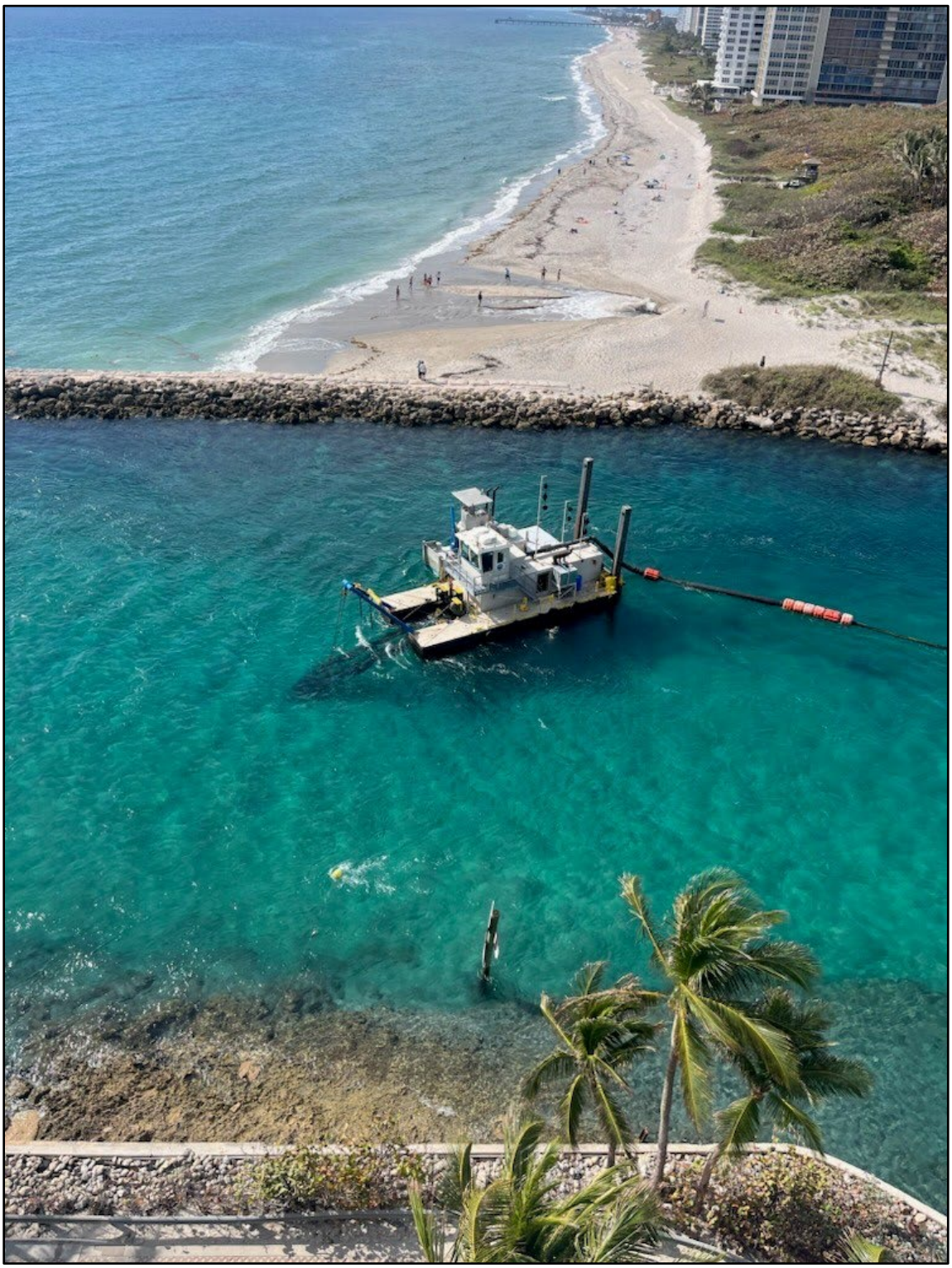

Figure 13. Boca Raton Inlet with City dredge bypassing sand south of the inlet. Photo courtesy of the City of Boca Raton - Zach Bihr, March 2024.

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
Palm Beach	Jupiter	2025	0	81,000

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

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	2,458,913
Cumulative Objective:	0	2,100,000
Annualized Volume Bypassed:	0	87,818
Surplus (Deficit):	0	358,913
Percent Objective Met:	N/A	117.09%

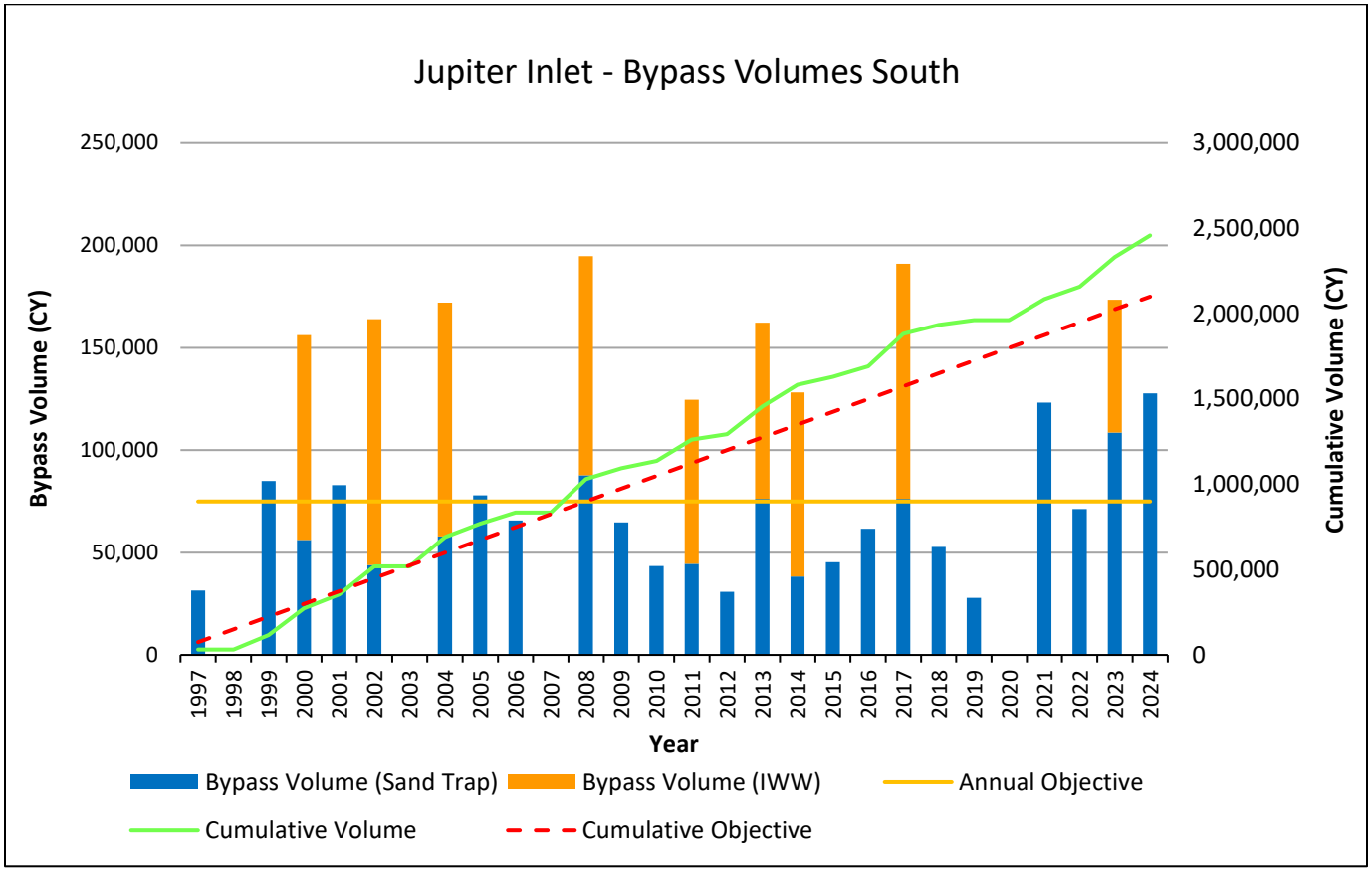

Figure 14. Jupiter Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

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	7,134,831
Cumulative Objective:	0	5,489,600
Annualized Volume Bypassed:	0	246,029
Surplus (Deficit):	0	1,645,231
Percent Objective Met:	N/A	129.97%

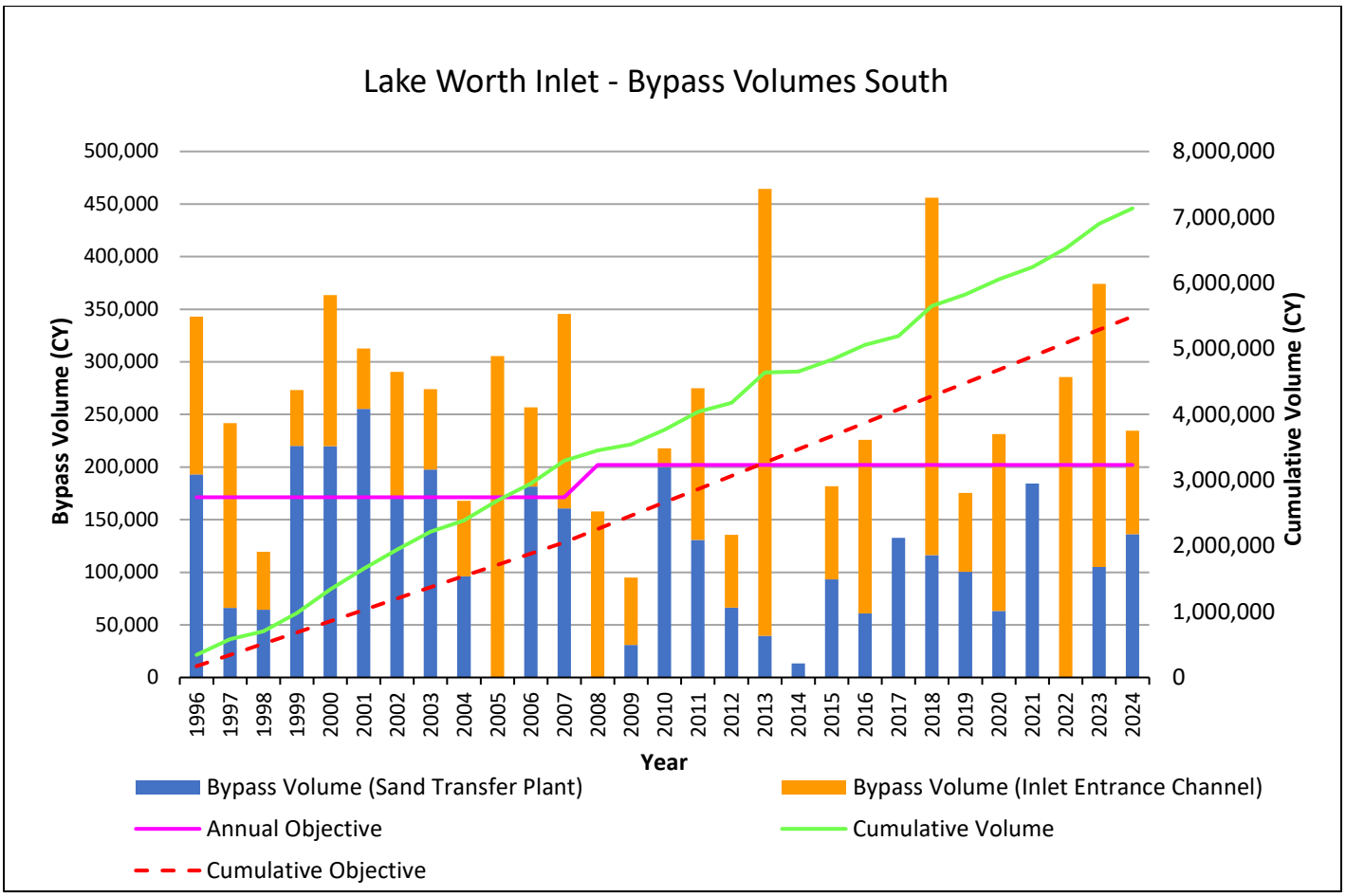

Figure 15. Lake Worth Inlet south bypass volume, annual objective, cumulative volume and cumulative objective.

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
Palm Beach	South Lake Worth	2022	0	115,000

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	2,568,955
Cumulative Objective:	0	2,369,000
Annualized Volume Bypassed:	0	98,806
Surplus (Deficit):	0	199,955
Percent Objective Met:	N/A	108.44%

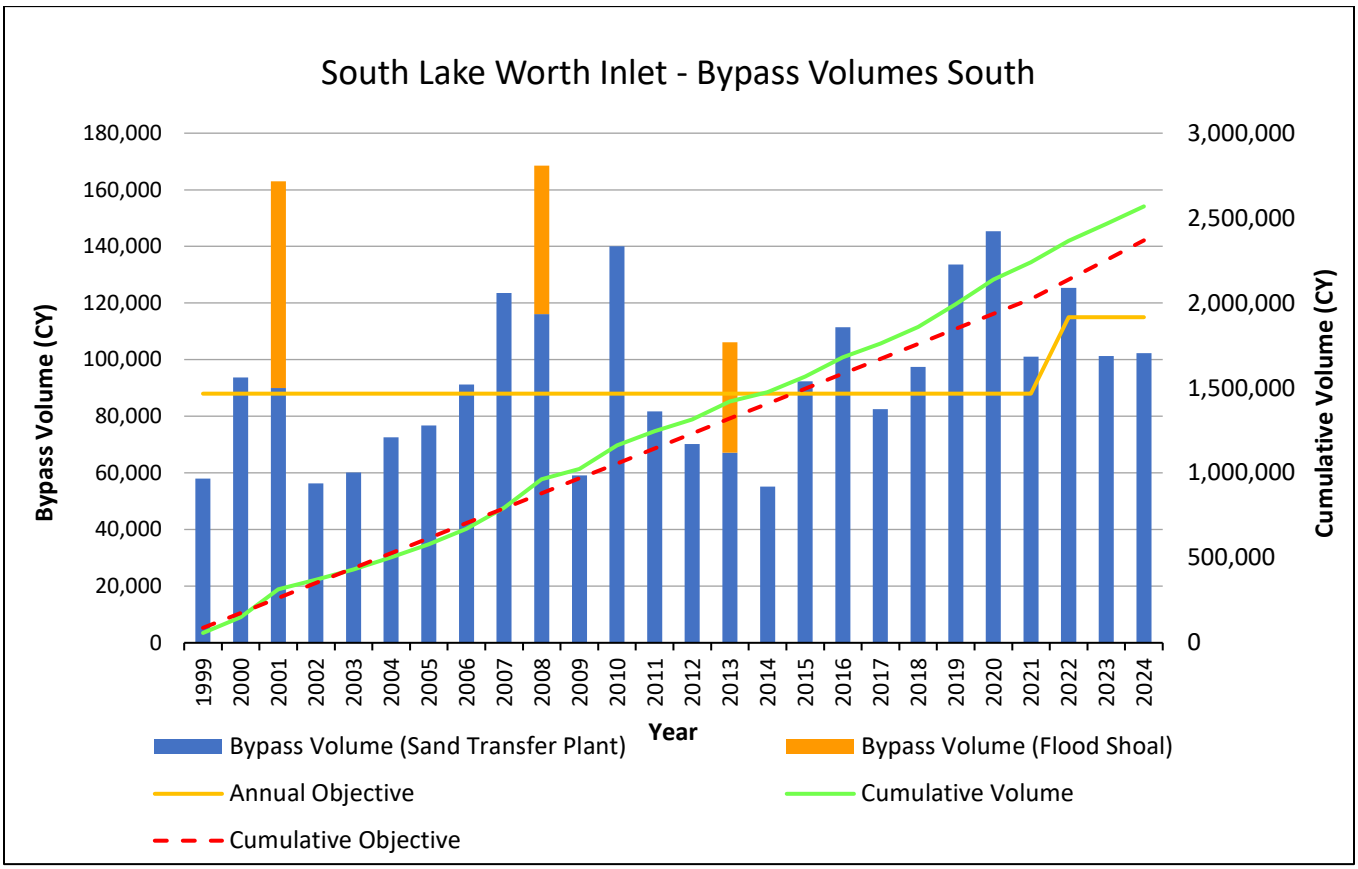

Figure 16. South Lake Worth Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

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

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	2,752,580
Cumulative Objective:	0	2,230,400
Annualized Volume Bypassed:	0	98,306
Surplus (Deficit):	0	522,180
Percent Objective Met:	N/A	123.41%

*Boca inlet bypassing is counted at the local level in fiscal years from July 1st to June 30th each year. The numbers above and below show the final volume from June 30th for that year shown, even though work began in previous year.

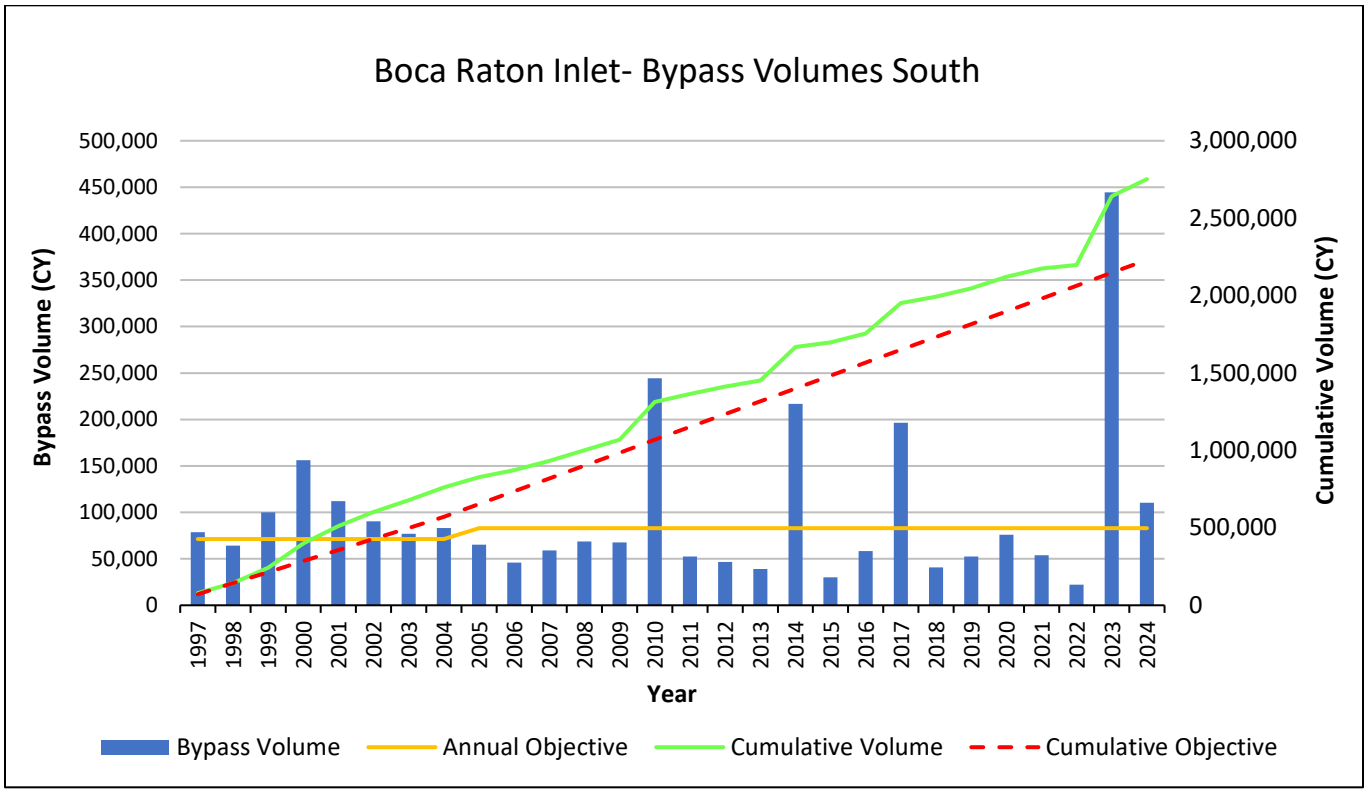

Figure 17. Boca Raton Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

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	3,128,931
Cumulative Objective:	0	3,360,000
Annualized Volume Bypassed:	0	111,748
Surplus (Deficit):	0	-231,069
Percent Objective Met:	N/A	93.12%

*Hillsboro bypassing is counted at the local level in fiscal years from July 1st to June 30th each year. The numbers above and below show the final volume from June 30th for that year, even though work began in previous year.

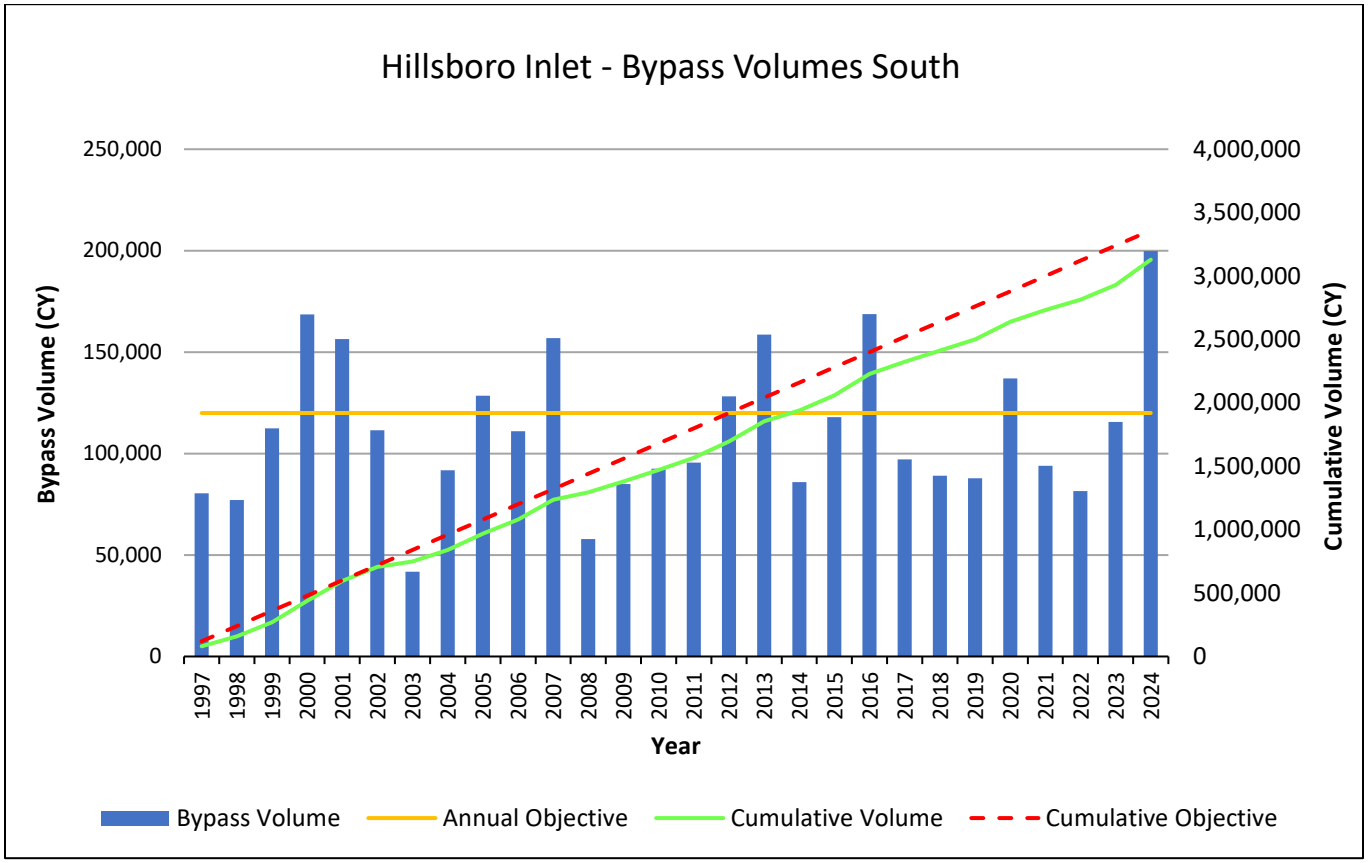

Figure 18: Hillsboro Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

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	234,439
Cumulative Objective:	0	1,127,900
Annualized Volume Bypassed:	0	9,016
Surplus (Deficit):	0	-851,761
Percent Objective Met:	N/A	20.79%

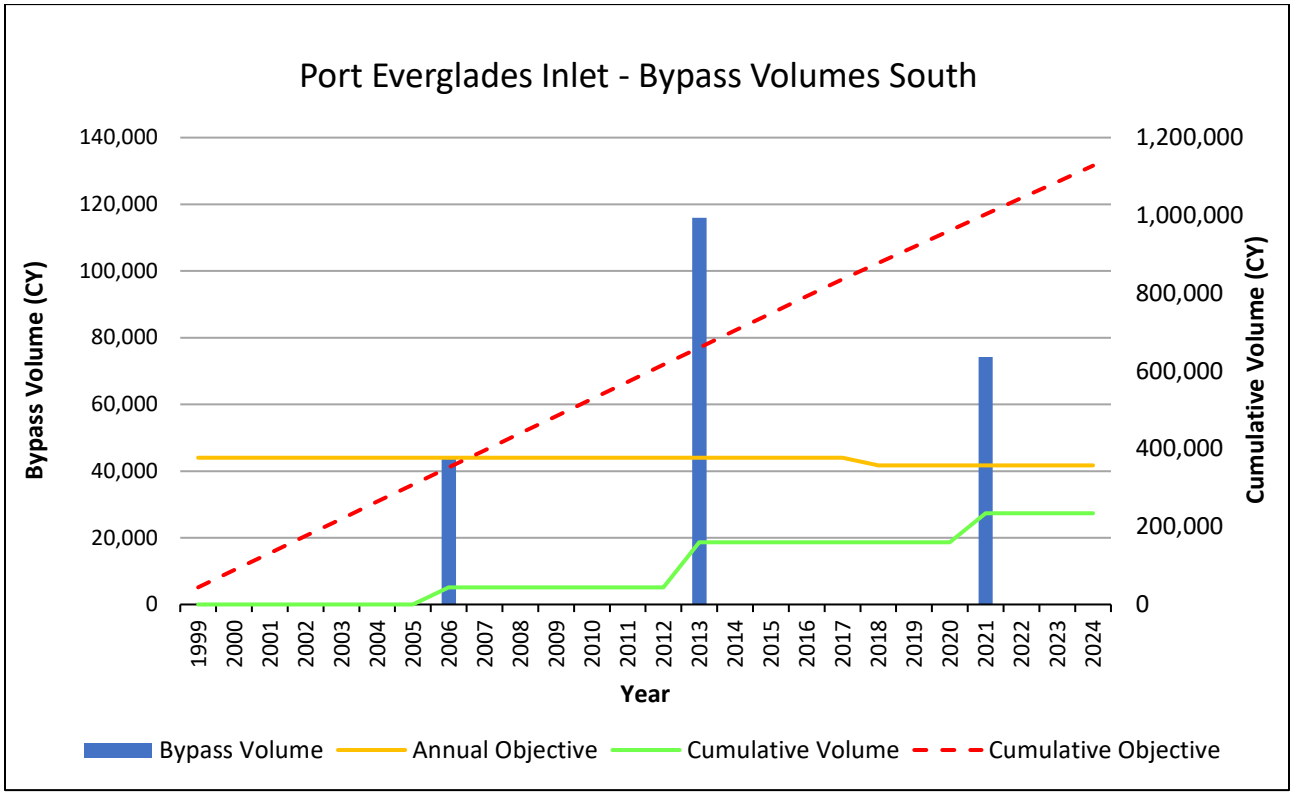

Figure 19. Port Everglades Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

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
Dade	Bakers Haulover	2021	0	36,900

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	1,044,927
Cumulative Objective:	0	788,400
Annualized Volume Bypassed:	0	37,319
Surplus (Deficit):	0	256,527
Percent Objective Met:	N/A	132.54%

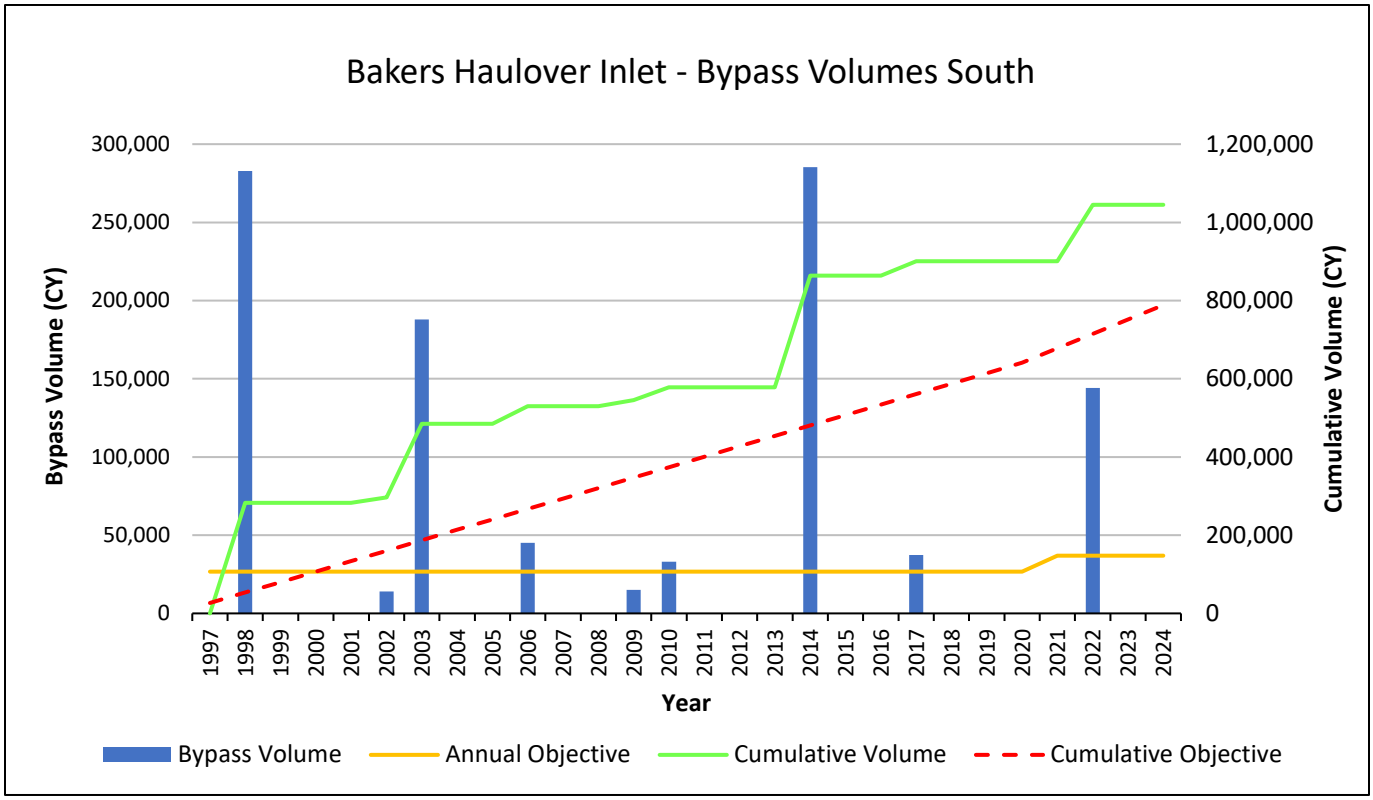

Figure 20. Bakers Haulover Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Panhandle Gulf Coast Region

Figure 21. Pensacola Pass Federal Navigation Channel dredged to place material at Johnson Beach in Gulf Islands National Seashore Park on Perdido Key. Photo courtesy of Timothy Day with Escambia County, November 2024.

Pensacola Pass

Table 29. Pensacola Pass Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective East (CY)	Annual Bypass Objective West (CY)
Escambia	Pensacola Pass	2024	0	150,000

Table 30. Pensacola Pass bypass summary of sand bypass volumes, since 2024.

Bypassing Matrix	East Bypass (CY)	West Bypass (CY)
Cumulative Volume Bypassed:	0	915,666
Cumulative Objective:	0	150,000
Annualized Volume Bypassed:	0	915,666
Surplus (Deficit):	0	765,666
Percent Objective Met:	N/A	610.44%

* Bypassed material was in the winter of 2023/2024 with a total of 915,666 cy placed on Perdido Key.

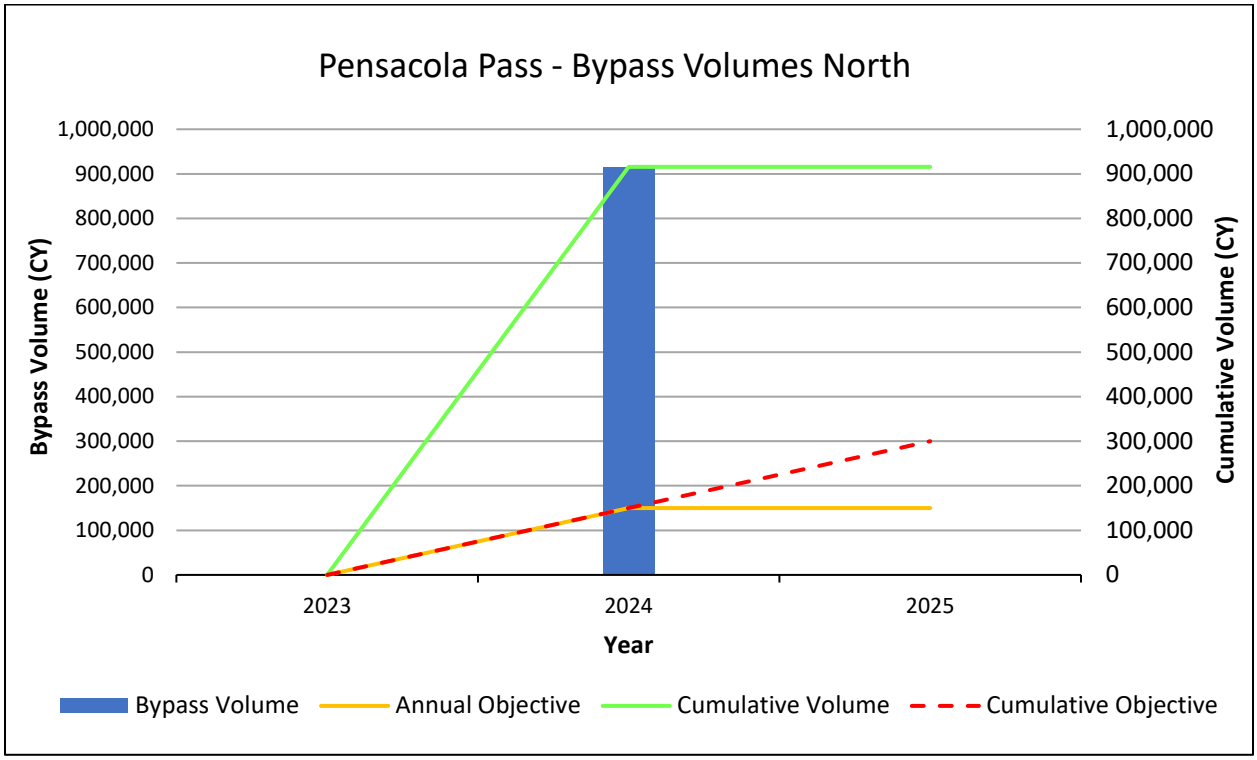

Figure 22. Pensacola Pass bypass volume, annual objective, cumulative volume and cumulative objective.

East Pass

Table 31. 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

Table 32. 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:	16,925	11,333
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. Bypassing to the west for the time period of 2000 to 2012 (IMP of 2000) has a percent objective met of 54%.

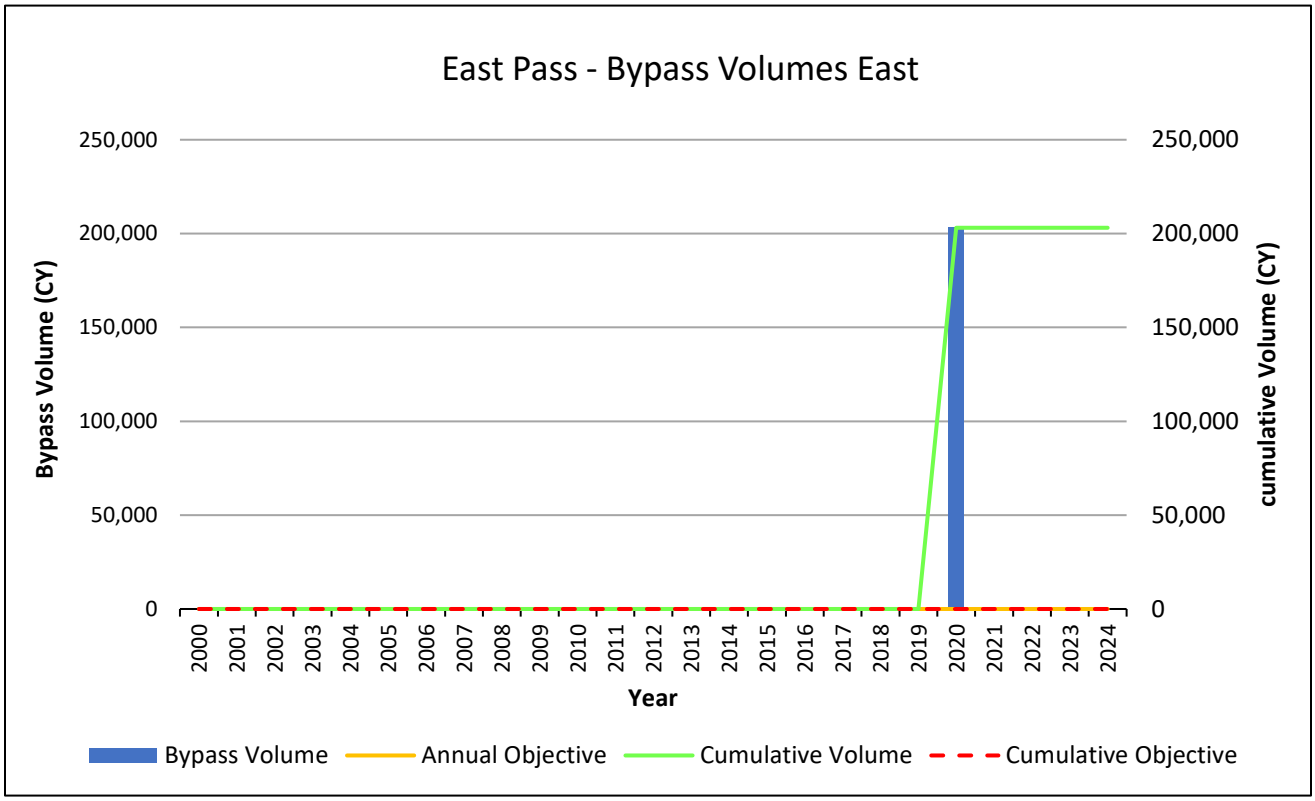

Figure 23. East Pass bypass volume, annual objective, cumulative volume and cumulative objective.

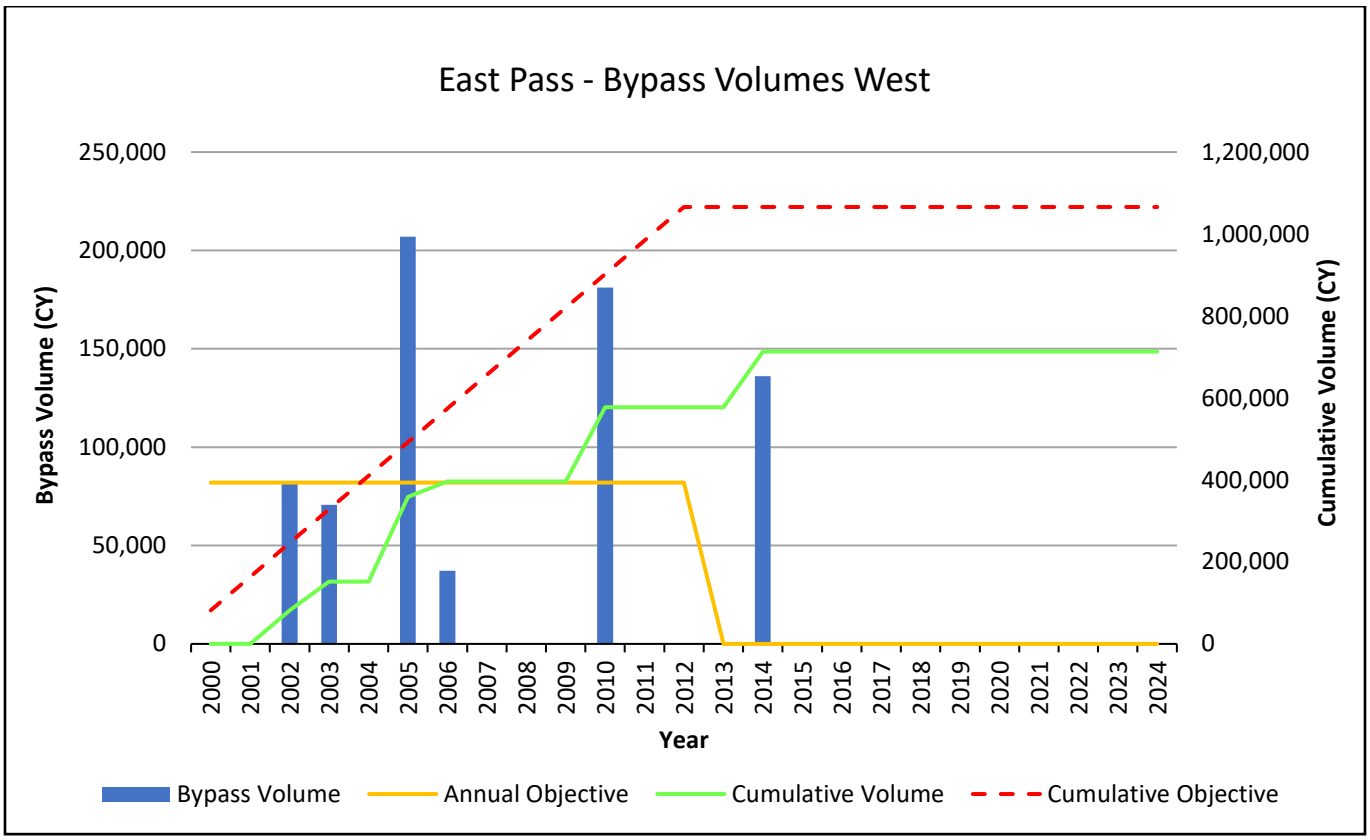

Figure 24. East Pass bypass volume, annual objective, cumulative volume and cumulative objective.

Mexico Beach Inlet

Table 33. 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	2015*	32,400	0
Bay	Mexico Beach	2024	32,400	0

*Strategy for bypassing adopted initially in the 2015 Strategic Beach Management Plan.

Table 34. Mexico Beach Inlet bypass summary of sand bypass volumes, since 2015.

Bypassing Matrix	East Bypass (CY)	West Bypass (CY)
Cumulative Volume Bypassed:	452,615	0
Cumulative Objective:	324,000	0
Annualized Volume Bypassed:	45,262	0
Surplus (Deficit):	128,615	0
Percent Objective Met:	139.70%	N/A

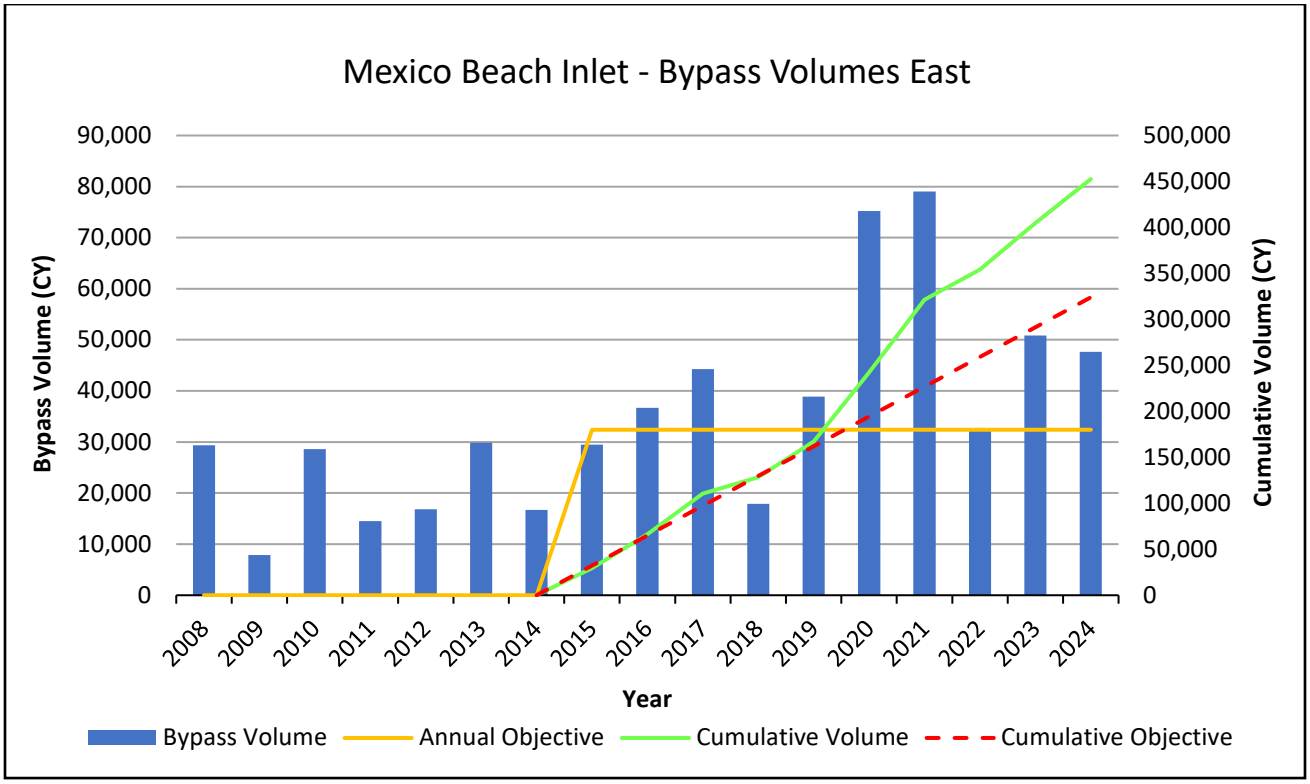

Figure 25. Mexico Beach Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Southwest Gulf Coast Region

Figure 26. Sand bypassing from Stump Pass navigational channel/ebb shoal with material being placed along the Palm Island development on Knight Island. Photo courtesy of Michael Poff, P.E., Coastal Engineering Consultants, May 2025.

John's Pass

Table 35. John's Pass 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 36. 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	147,000
Annualized Volume Bypassed:	0	15,714
Surplus (Deficit):	0	-37,000
Percent Objective Met:	N/A	74.83%

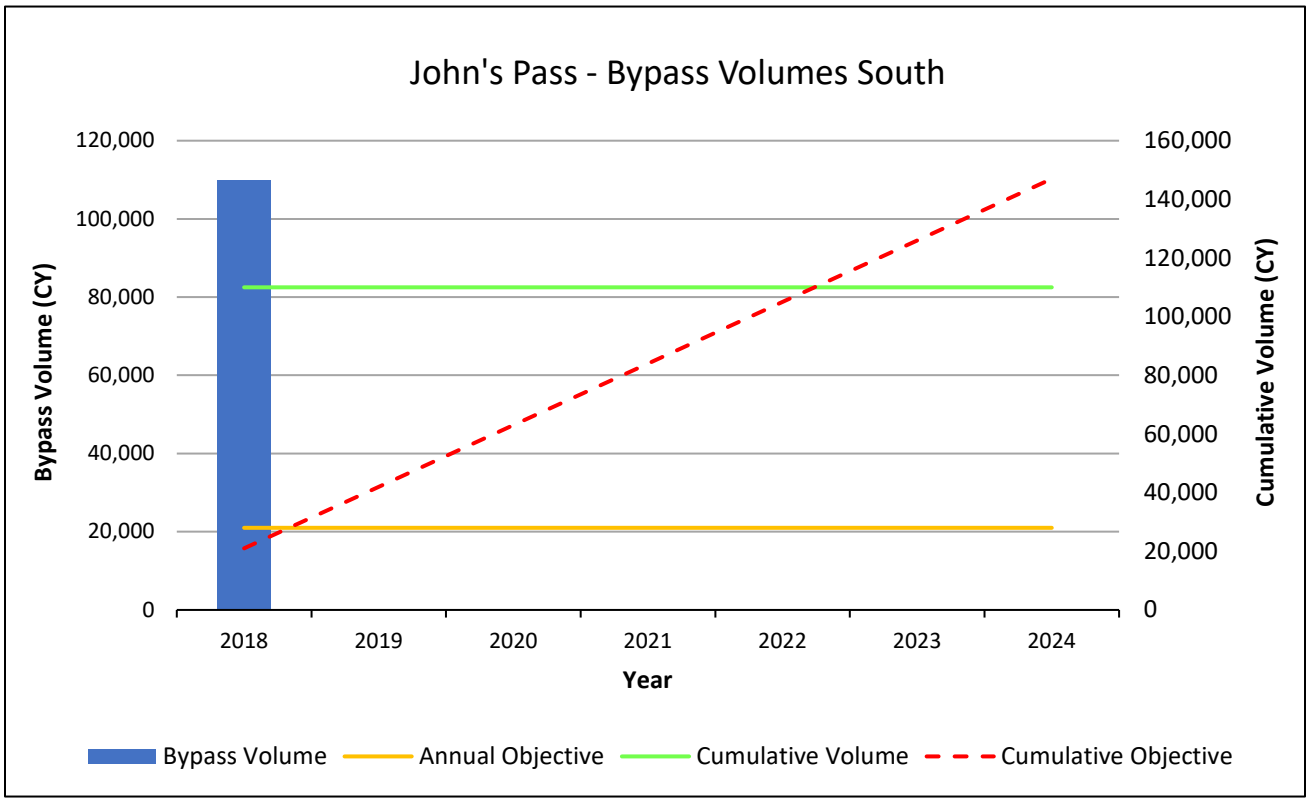

Figure 27. John's Pass bypass volume, annual objective, cumulative volume and cumulative objective.

Blind Pass (Pinellas County)

Table 37. 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 38. 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:	96,000	248,000
Annualized Volume Bypassed:	0	18,857
Surplus (Deficit):	-96,000	-97,146
Percent Objective Met:	0%	60.83%

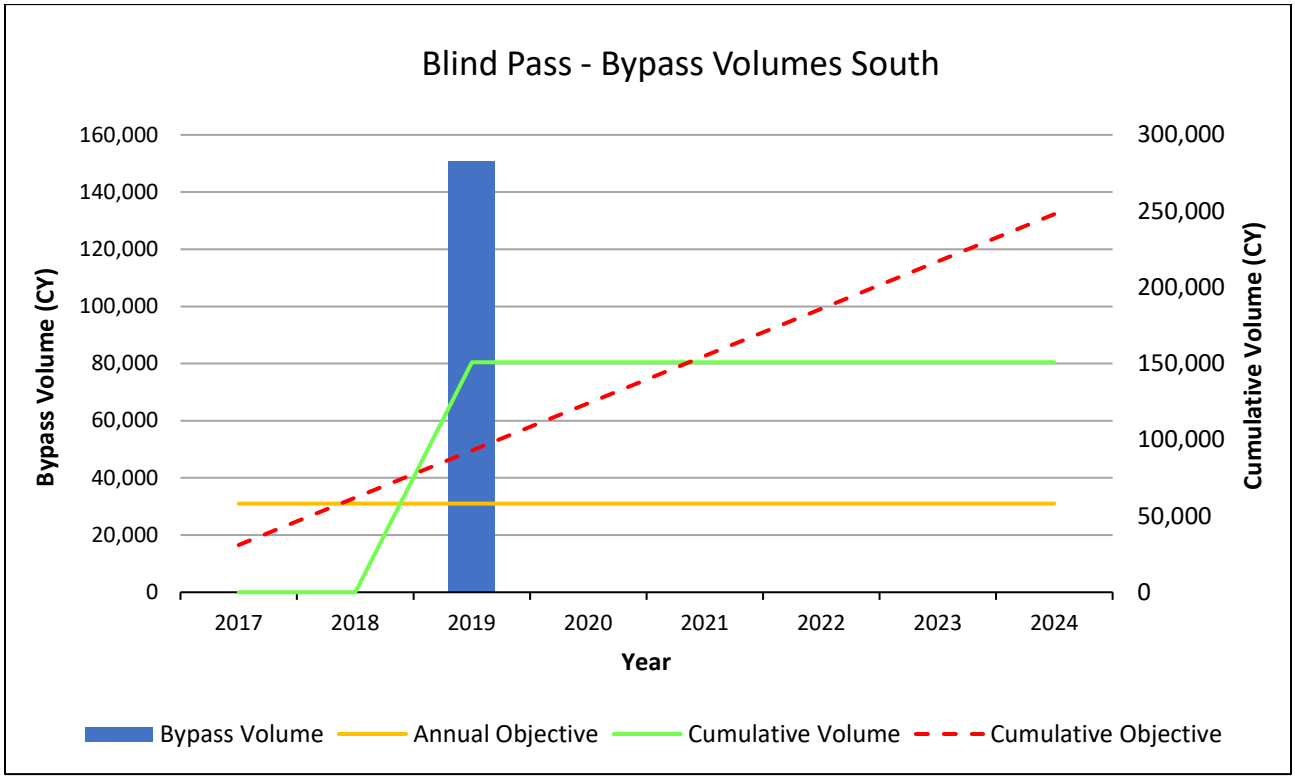

Figure 28. Blind Pass bypass volume, annual objective, cumulative volume and cumulative objective to the south.

The lack of inlet bypassing numbers to the north do not justify a bar graph.

Pass-a-Grille Inlet

Table 39. 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 40. Pass-a-Grille Inlet bypass summary of sand bypass volumes, since 2019.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	145,541	0
Cumulative Objective:	84,000	0
Annualized Volume Bypassed:	24,257	0
Surplus (Deficit):	61,541	0
Percent Objective Met:	173.26%	N/A

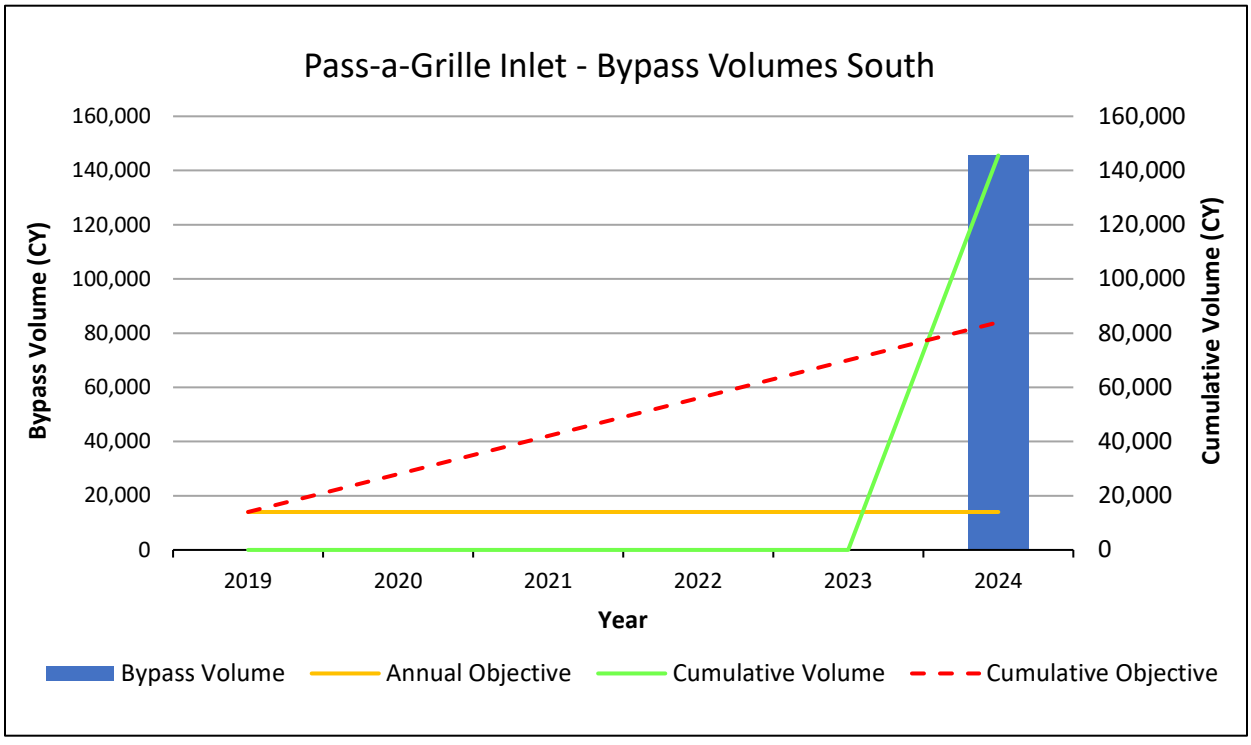

Figure 29. Blind Pass bypass volume, annual objective, cumulative volume and cumulative objective.

Passage Key Inlet

Table 41. 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)
Manatee	Passage Key Inlet	2024	0	130,000

Table 42. Passage Key Inlet bypass summary of sand bypass volumes, since 2024.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	0
Cumulative Objective:	0	130,000
Annualized Volume Bypassed:	0	0
Surplus (Deficit):	0	-130,000
Percent Objective Met:	N/A	0%

The lack of inlet bypassing numbers to the south do not justify a bar graph.

Longboat Pass

Table 43. 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
Manatee	Longboat Pass	2024	Monitoring Based	Monitoring Based

*The bypass objective of 2008 to the south is from the Strategic Beach Management Plan.

Table 44. Longboat Pass bypass summary of sand bypass volumes, since 2008.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	98,300	491,200
Cumulative Objective:	0	924,800
Annualized Volume Bypassed:	6,144	30,700
Surplus (Deficit):	0	-433,600
Percent Objective Met:	N/A*	N/A*

*Percent objective met is N/A due to the monitoring based objective of the updated 2024 IMP.

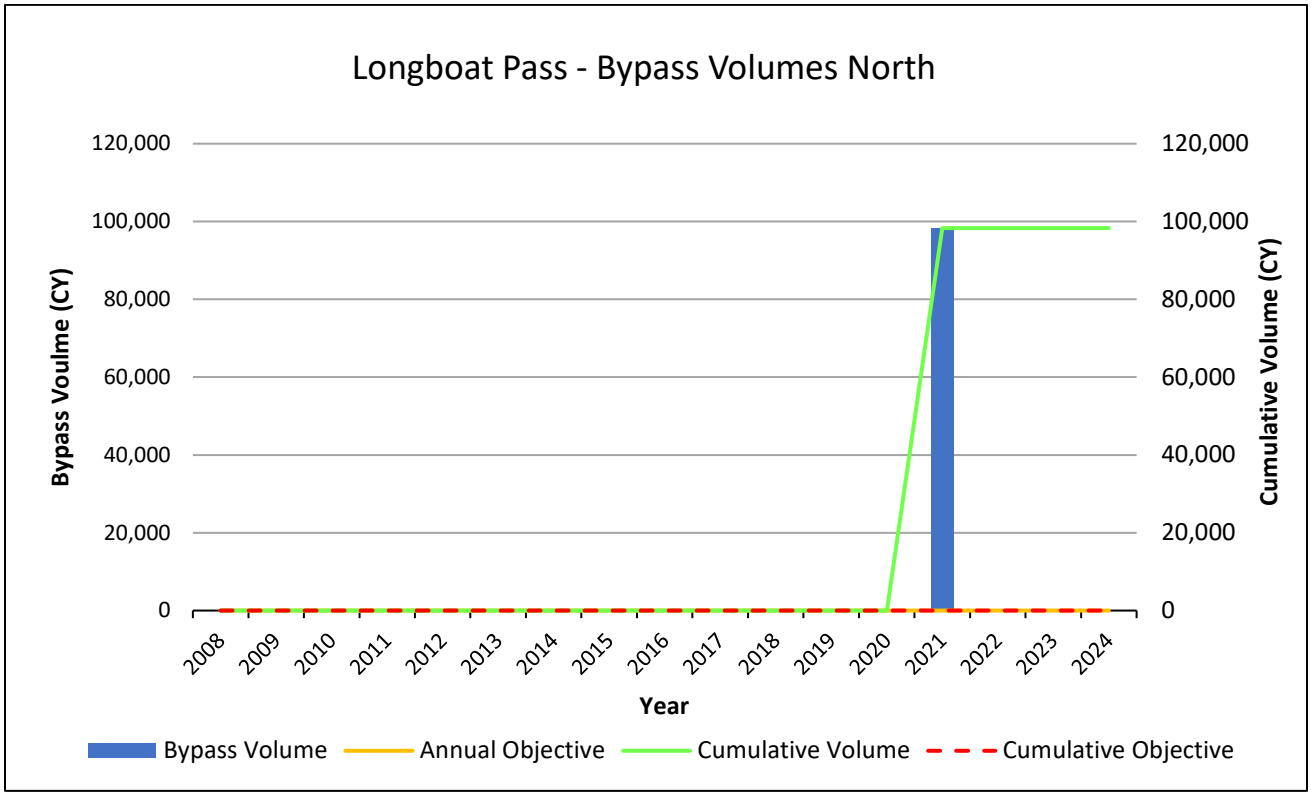

Figure 30. Longboat Pass bypass volume, annual objective, cumulative volume and cumulative objective to the north.

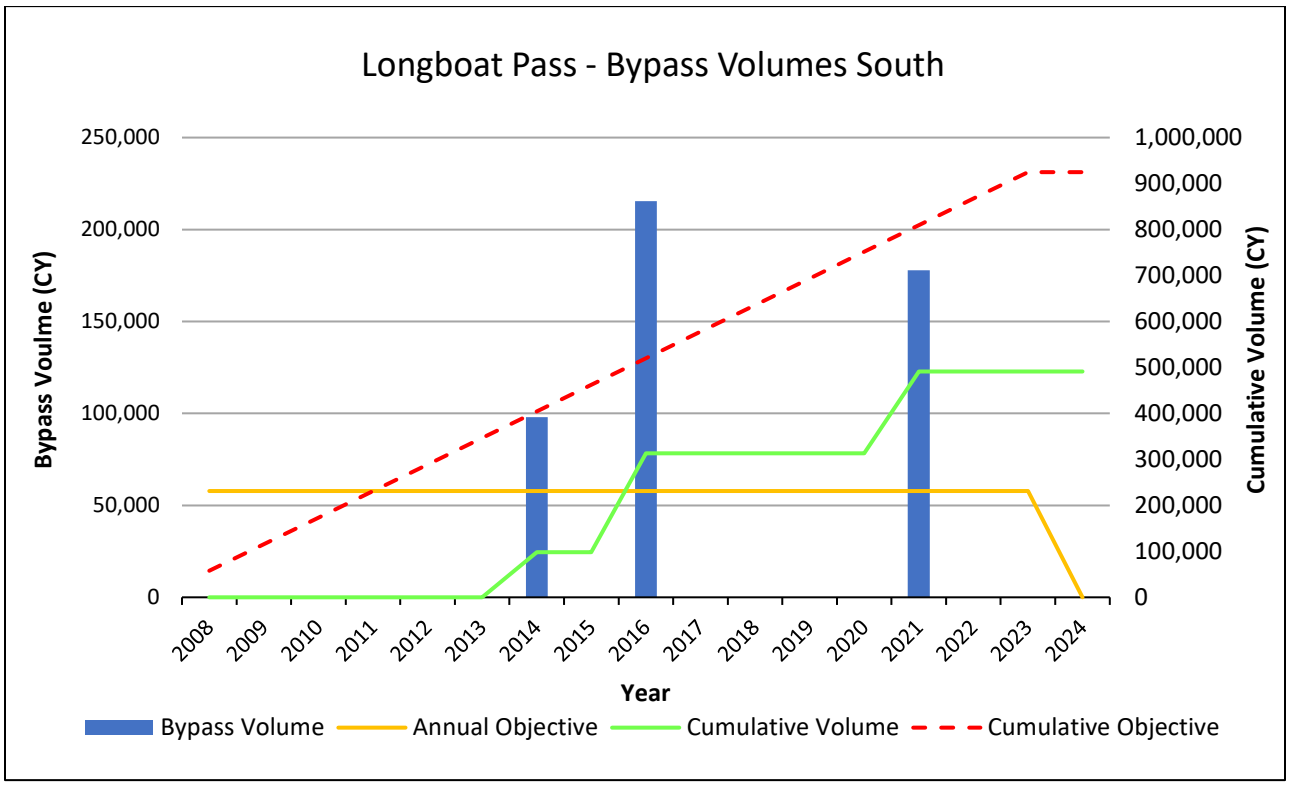

Figure 31. Longboat Pass bypass volume, annual objective, cumulative volume and cumulative objective to the south.

Venice Inlet

Table 45. 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 46. 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	1,744,740
Annualized Volume Bypassed:	0	1,072
Surplus (Deficit):	0	-1,715,808
Percent Objective Met:	N/A	1.66%

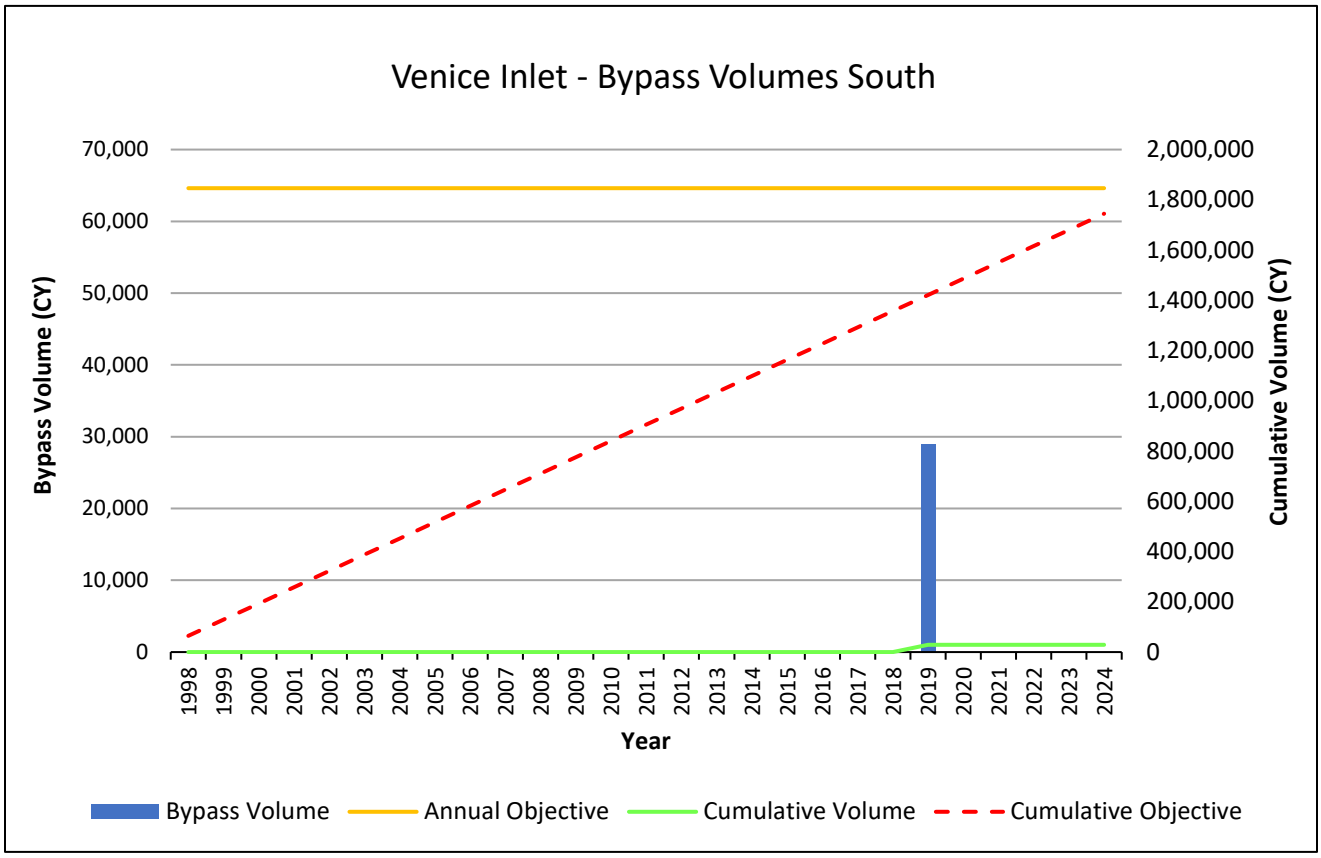

Figure 32. Venice Inlet bypass volume, annual objective, cumulative volume and cumulative objective.

Stump Pass

Table 47. 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 48. Stump Pass Inlet bypass summary of sand bypass volumes, since 2016.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	96,000*	188,100
Cumulative Objective:	54,000	225,000
Annualized Volume Bypassed:	10,667	20,900
Surplus (Deficit):	42,000	-36,900
Percent Objective Met:	177.78%	83.60%

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

Between 2016 and 2024, north of the inlet at Stump Pass, a total of 245,380 cubic yards of dredged material was at Manasota Key between R18 and R21. Of this, 96,000 cubic yards has been credited toward inlet bypassing. The remaining 149,380 cubic yards is credited by the department toward beach nourishment at Manasota Key.

Between 2016 and 2024, there has been a total inlet dredge volume of 188,100 cubic yards at Stump Pass with approximate placement at Knight Island/ Don Pedro Island at R22 area; of which, the entire 188,100 cubic yards has been credited for inlet bypassing.

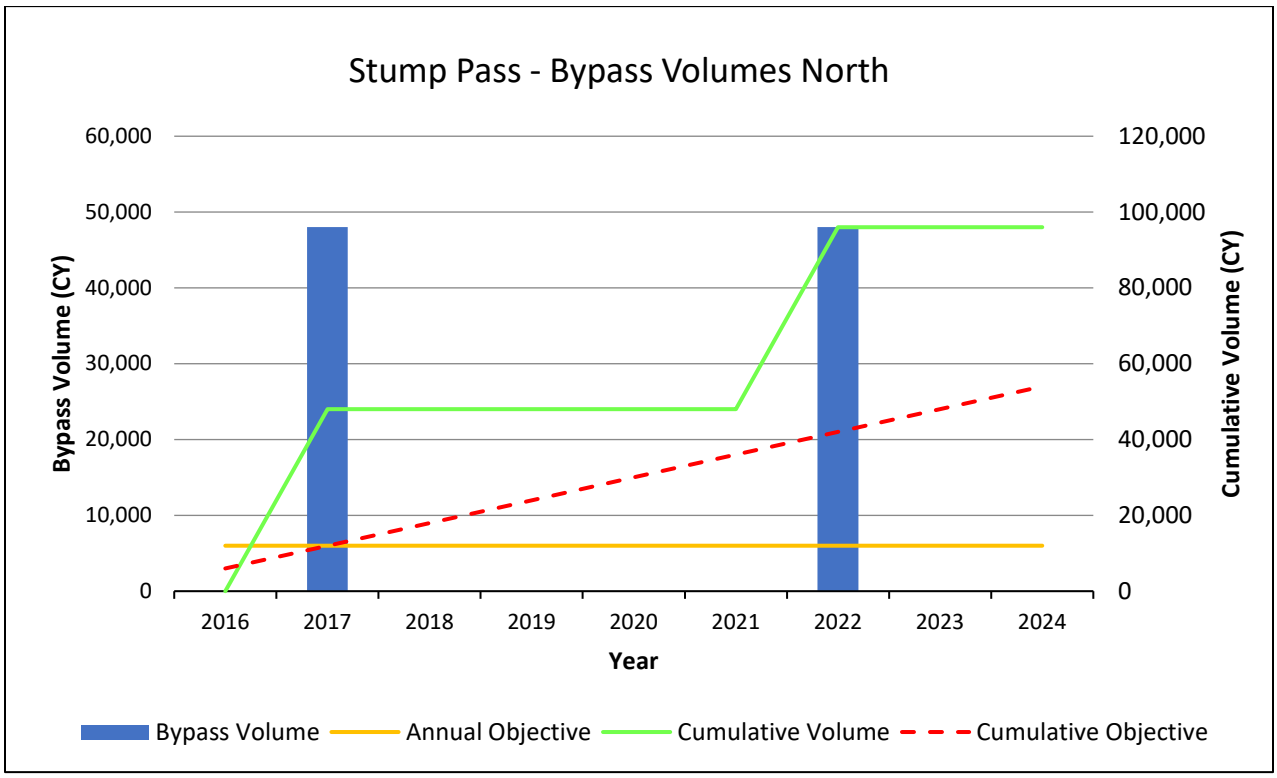

Figure 33. Stump Pass bypass volume, annual objective, cumulative volume and cumulative objective to the north.

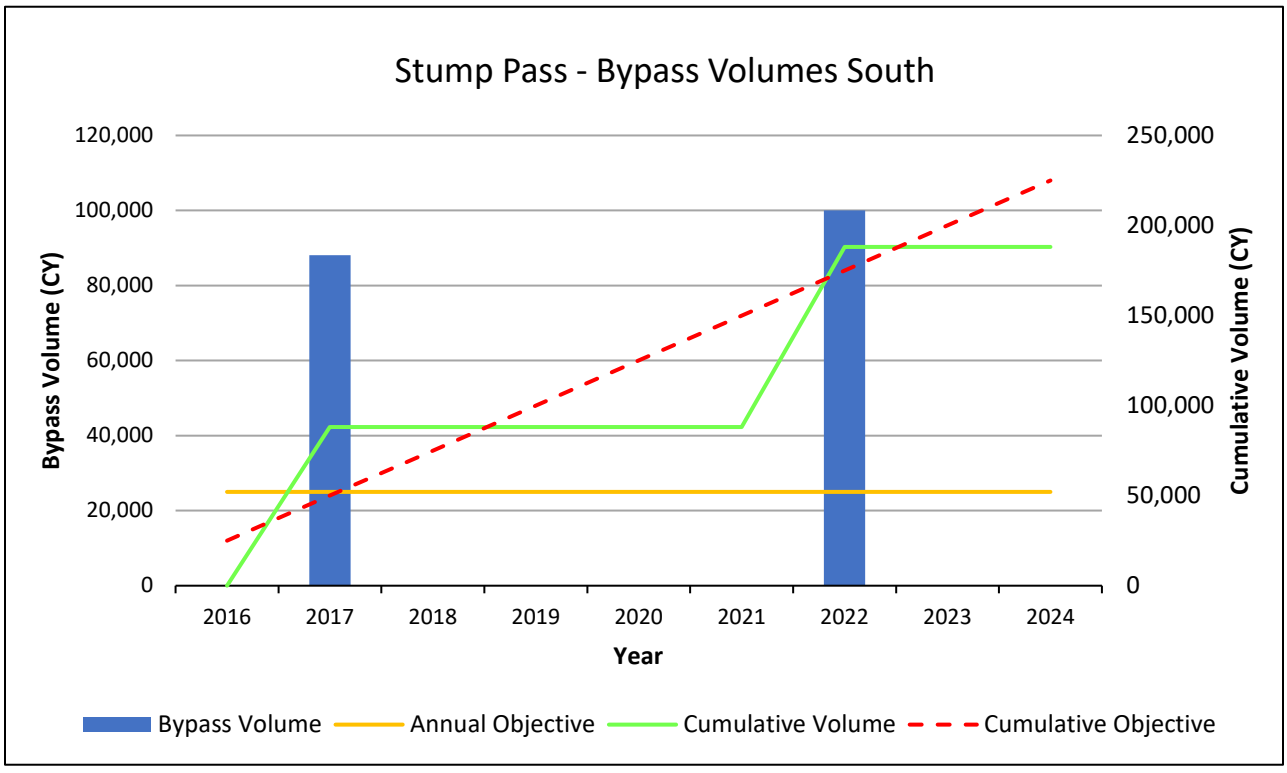

Figure 34. Stump Pass bypass volume, annual objective, cumulative volume and cumulative objective to the south.

Redfish Pass

Table 49. Redfish Pass Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective North (CY)	Annual Bypass Objective South (CY)
Lee	Redfish Pass	2022	0	30,000

Table 50. Redfish Pass Inlet bypass summary of sand bypass volumes, since 2022.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	0
Cumulative Objective:	0	90,000
Annualized Volume Bypassed:	0	0
Surplus (Deficit):	0	-90,000
Percent Objective Met:	N/A	0%

The lack of inlet bypassing numbers to the north or south since 2022 do not justify a bar graph.

Blind Pass (Lee County)

Table 51. 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 52. 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	126,000
Annualized Volume Bypassed:	0	0
Surplus (Deficit):	0	-126,000
Percent Objective Met:	N/A	0%

The lack of inlet bypassing numbers do not justify a bar graph.

Big Carlos Pass

Table 53. Big Carlos Pass Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective (CY)
Lee	Big Carlos Pass	2024	11,500

Table 54. Big Carlos Pass bypass summary of sand bypass volumes, since 2024.

Bypassing Matrix	Bypass (CY)
Cumulative Volume Bypassed:	0
Cumulative Objective:	11,500
Annualized Volume Bypassed:	0
Surplus (Deficit):	-11,500
Percent Objective Met:	0%

The lack of inlet bypassing numbers do not justify a bar graph.

New Pass (Lee County)

Table 55. New Pass Inlet Management Plan and bypass objective.

County	Inlet	Year IMP Adopted or Updated	Annual Bypass Objective (CY)
Lee	New Pass	2025	1,200

Table 56. New Pass bypass summary of sand bypass volumes, since 2025.

Bypassing Matrix	Bypass (CY)
Cumulative Volume Bypassed:	0
Cumulative Objective:	0
Annualized Volume Bypassed:	0
Surplus (Deficit):	0
Percent Objective Met:	N/A

The lack of inlet bypassing numbers do not justify a bar graph.

Wiggins Pass

Table 57. 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	13,733	6,867

Table 58. Wiggins Pass bypass summary of sand bypass volumes, since 2018.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	145,543	64,404
Cumulative Objective:	96,131	48,069
Annualized Volume Bypassed:	20,792	9,201
Surplus (Deficit):	49,412	16,335
Percent Objective Met:	151.40%	133.98%

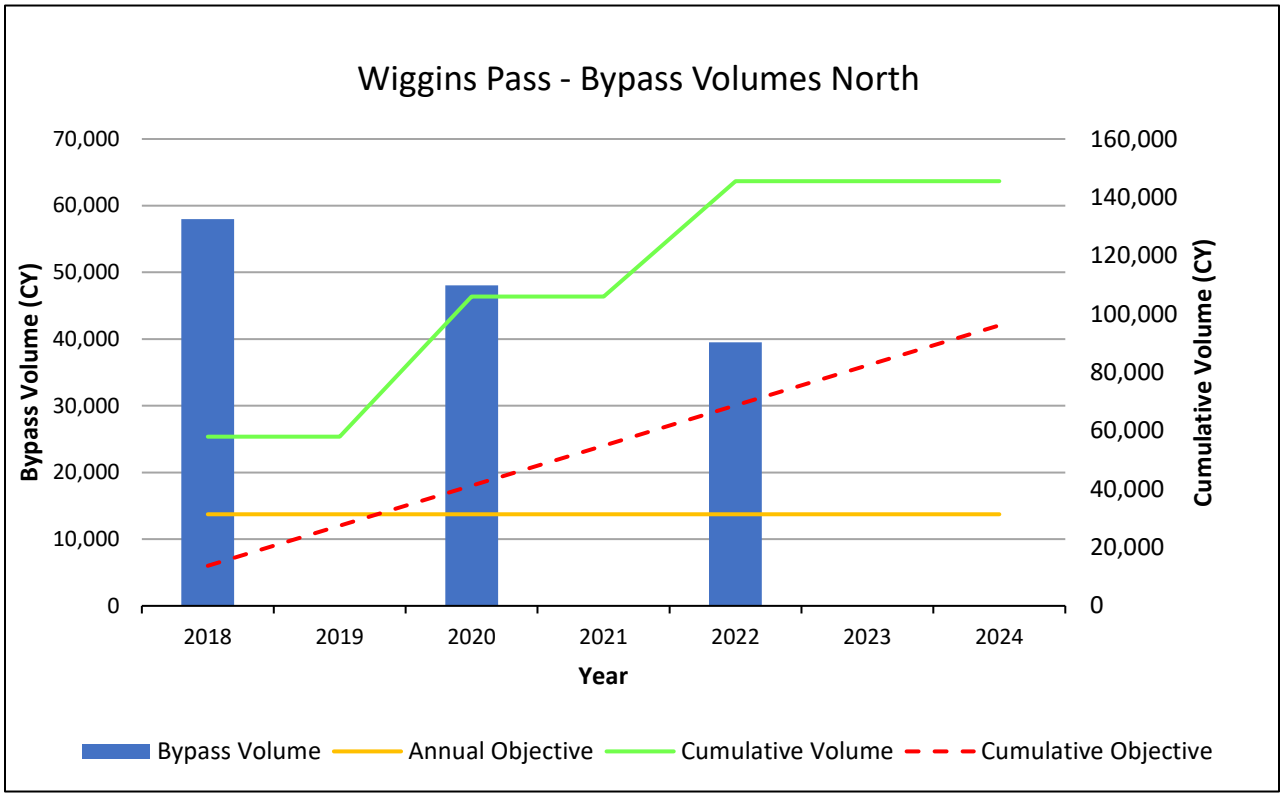

Figure 35. Wiggins Pass bypass volume, annual objective, cumulative volume and cumulative objective to the north.

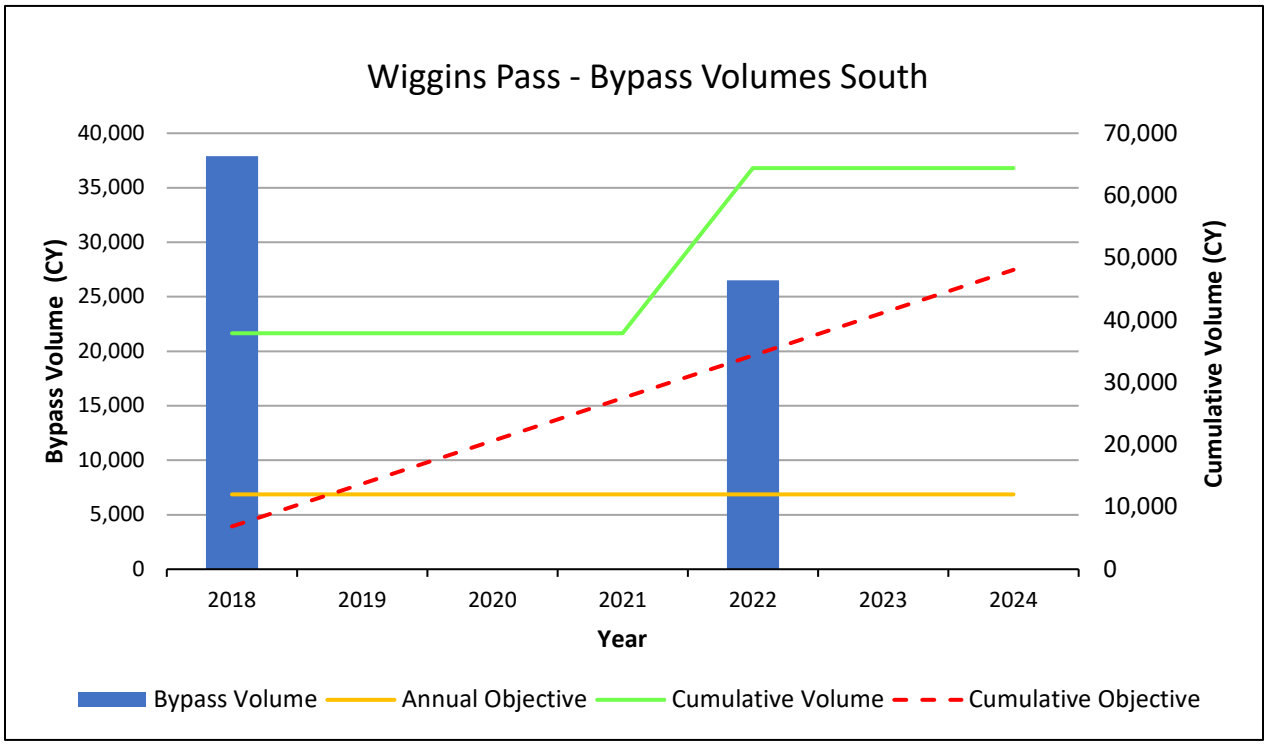

Figure 36. Wiggins Pass bypass volume, annual objective, cumulative volume and cumulative objective.

Doctors Pass

Table 59. 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 60. Doctors Pass bypass summary of sand bypass volumes, since 1997.

Bypassing Matrix	North Bypass (CY)	South Bypass (CY)
Cumulative Volume Bypassed:	0	190,269
Cumulative Objective:	0	280,000
Annualized Volume Bypassed:	0	6,795
Surplus (Deficit):	0	-89,731
Percent Objective Met:	N/A	67.95%

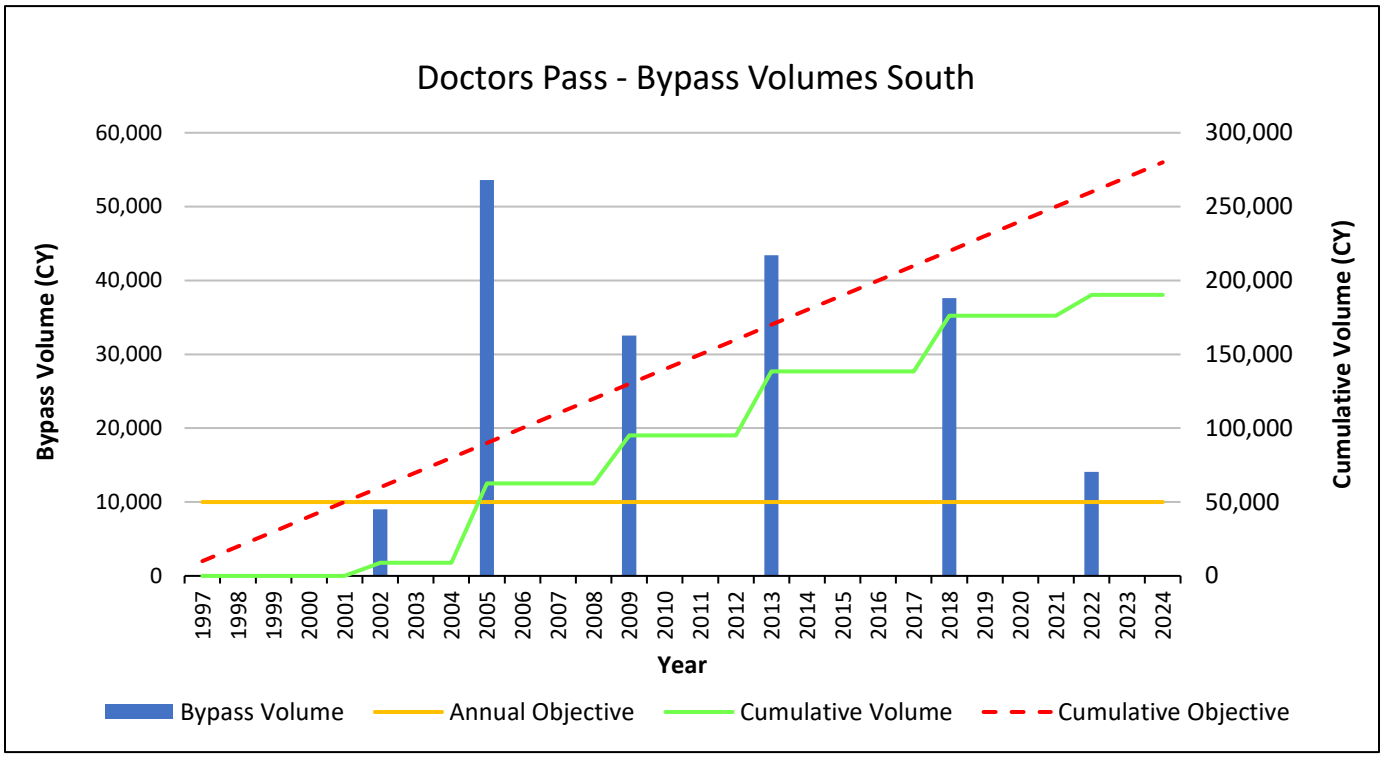

Figure 37. Doctors Pass bypass volume, annual objective, cumulative volume and cumulative objective.

New Inlet Studies and New or Updated Inlet Management Plans

The department, local governments and coastal engineering consultants continually work to conduct inlet studies that develop best management practices to bypass beach quality sand to adjacent eroding beaches with the goal of balancing the sediment budget, per the requirements of Section 161.142 F.S.

Recent plans, current studies or plans that are being drafted for year 2025:

Recent Plans:

1. St. Lucie Inlet has an updated inlet management plan, September 2023.
2. Sebastian Inlet has an updated inlet management plan, November 2023.

New Plans:

1. Mexico Beach Inlet has a new inlet management plan, April 2024.
2. Pensacola Pass has a new inlet management plan, August 2024.
3. Passage Key Inlet has a new inlet management plan, November 2024.
4. Longboat Pass has a new inlet management plan, December 2024.
5. Big Carlos Pass has a new inlet management plan, October 2024.
6. New Pass (Lee County) has a new inlet management plan, July 2025.
7. Jupiter Inlet has an updated inlet management plan, July 2025.
8. Big Hickory Pass is expected to be finalized in the summer or fall of 2025.
9. New Pass (Sarasota County) is expected to have an updated inlet management plan in winter 2025–2026.
10. Port Canaveral is expected to have an updated inlet management plan in winter 2025–2026.

Summary

Of the 66 inlets in the State of Florida, 43 are considered managed inlets as listed within the Strategic Beach Management Plan's Introduction. There are a total of 30 altered inlets with department approved inlet management plans that are listed within the Annual Inlet Report. Please note that for the 30 inlets discussed in this report, there are collectively 37 inlet bypass objectives. (i.e., six inlets have two bypass objectives (north and south), and two inlets have a monitoring-based objective in both directions. Twenty inlets have a bypass objective of zero in one direction (usually to the north) that results in NA for the percent objective met.
Within the fifth edition of the Annual Inlet Report; 16 of the 37 inlet bypass objectives that are meeting their bypass objective at 100% or greater, 3 inlets are between 90% and 99%, 2 inlets are between 71%, and 89%, 2 inlets are between 60% and 70%, 10 inlets are below 49%, and 2 inlets have 4 bypass objectives that are classified as not applicable (NA due to monitoring based objectives), see Figure 38. In total, 43% of the inlets are above 100% in meeting their bypass objectives and 57% are between 71% and 100%. The Annual Inlet Report assists the department, local governments and inlet entities in tracking and providing accountability in how well inlet management activities are meeting the bypass objective listed in their respective inlet management plans.

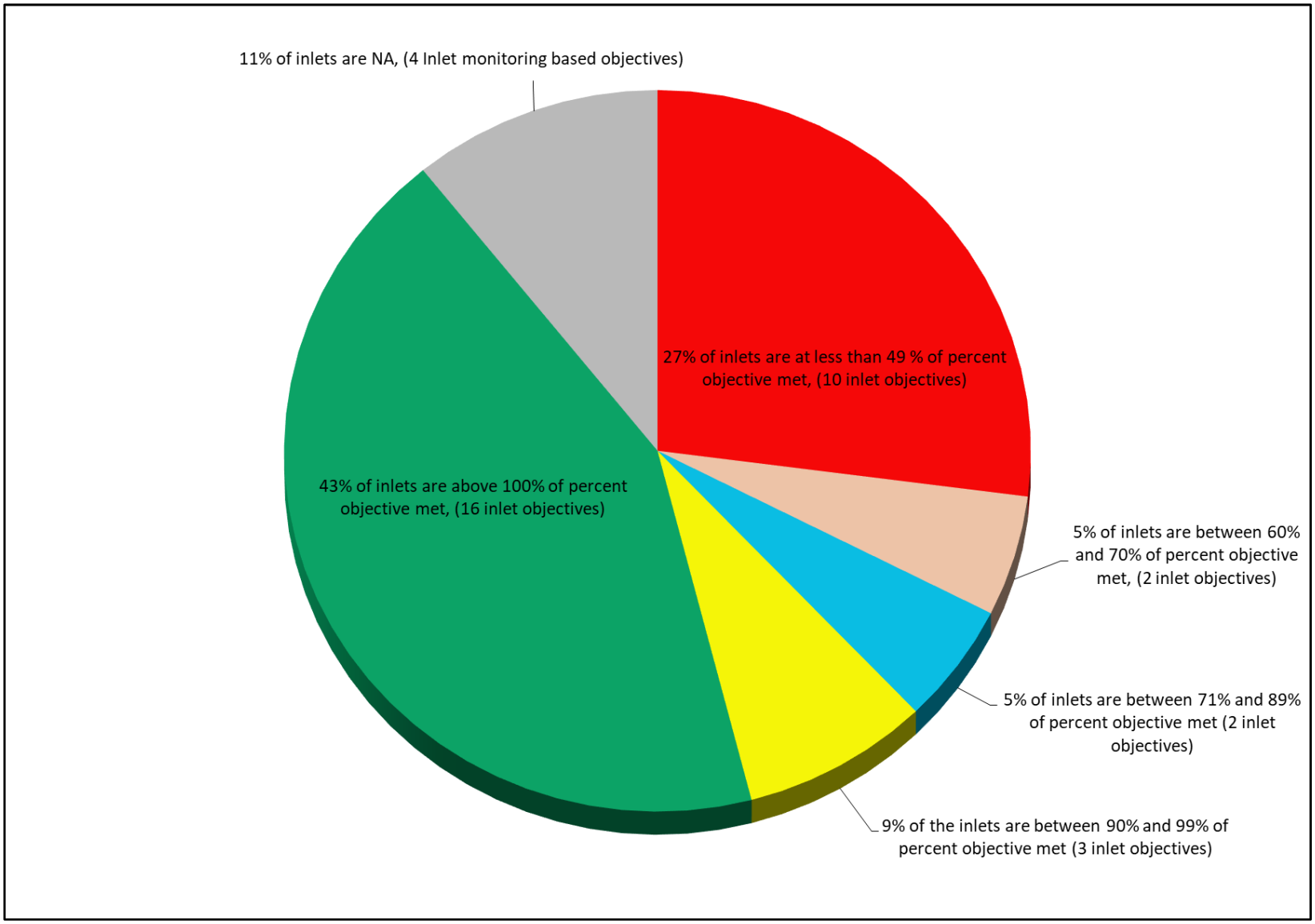

Figure 38. Summary pie chart of the 30 altered inlets that are listed within the annual inlet report showing the percentage of meeting their bypass objective.

References

Florida Department of Environmental Protection, 2023. *Strategic Beach Management Plan,* Office of Resilience and Coastal Protection, 420 p.

Florida Department of Environmental Protection, 2025. *Annual Inlet Bypassing Numbers,* Office of Resilience and Coastal Protection, 13 p.