

PROJECT: Jupiter Inlet Management Plan - Annual Sand Trap Dredging

PURPOSE/GOAL: Sediment bypass, navigational safety.

PROJECT LOCATION: Inlet mouth.

PROJECT STATUS: Ongoing.

DESCRIPTION:

Since the late nineteen forties, the Jupiter Inlet District has dredged its sand trap as a way of maintaining a navigable channel and controlling beach erosion. In accordance with the recommendations of the Jupiter Inlet Management Plan (1992), the frequency of dredging has increased from once every 2-3 years to once a year.



In order to minimize erosion downdrift of the inlet, the JID seeks to place a minimum of 60,000 cubic yards on the south beach on an average annual basis. The actual amount, which represents a combined total for the JID and ACOE traps, assumes this amount is available from the two traps.

The recommended volume of 60,000 cubic yards is the minimum for beach stability; the actual amount in the trap (or traps) maybe larger, in which case the need to maintain a certain depth in the trap for navigational safety purposes would mean that the actual volume pumped to the beach each year maybe larger than the minimum, as often has been the case.