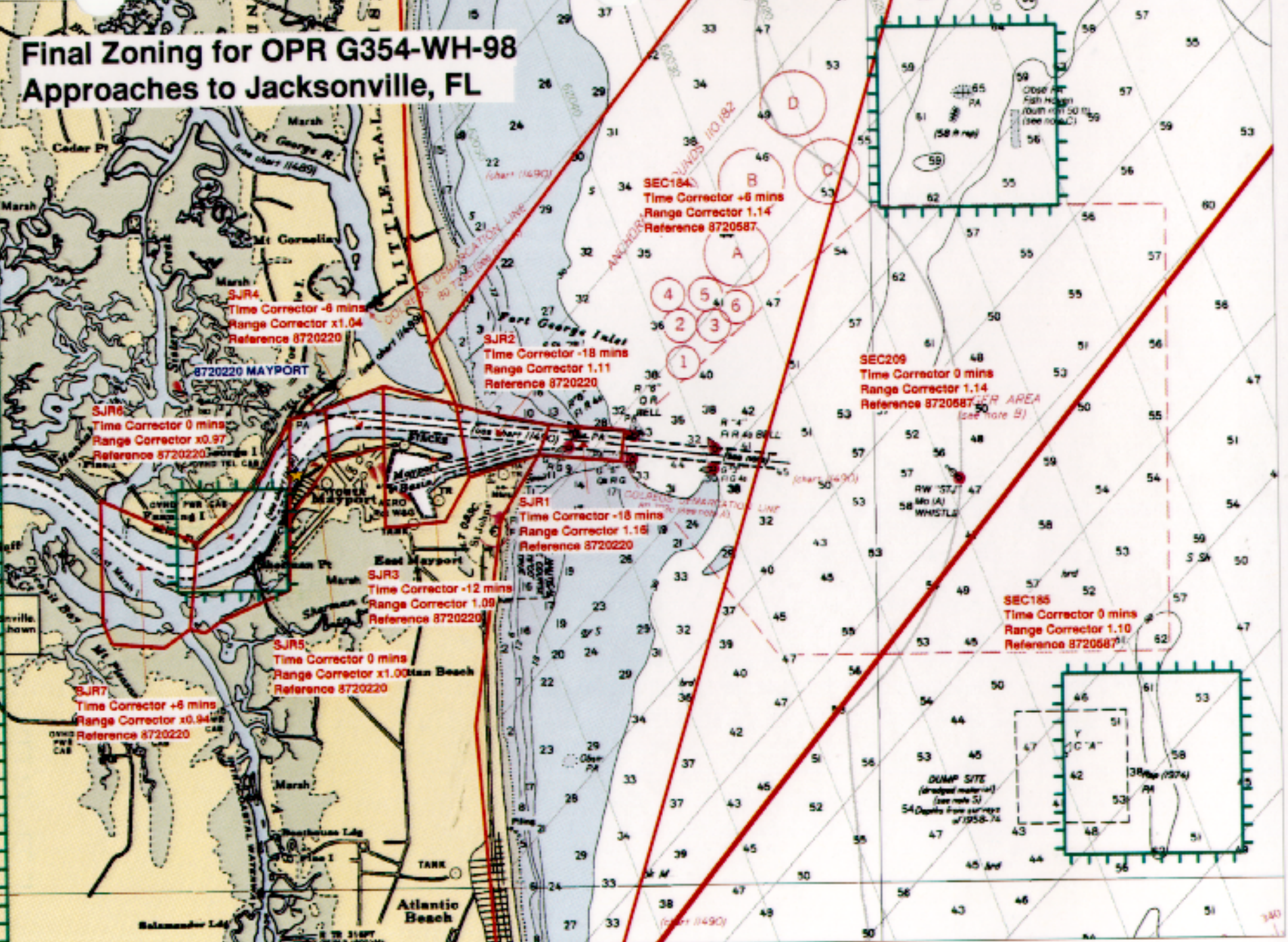
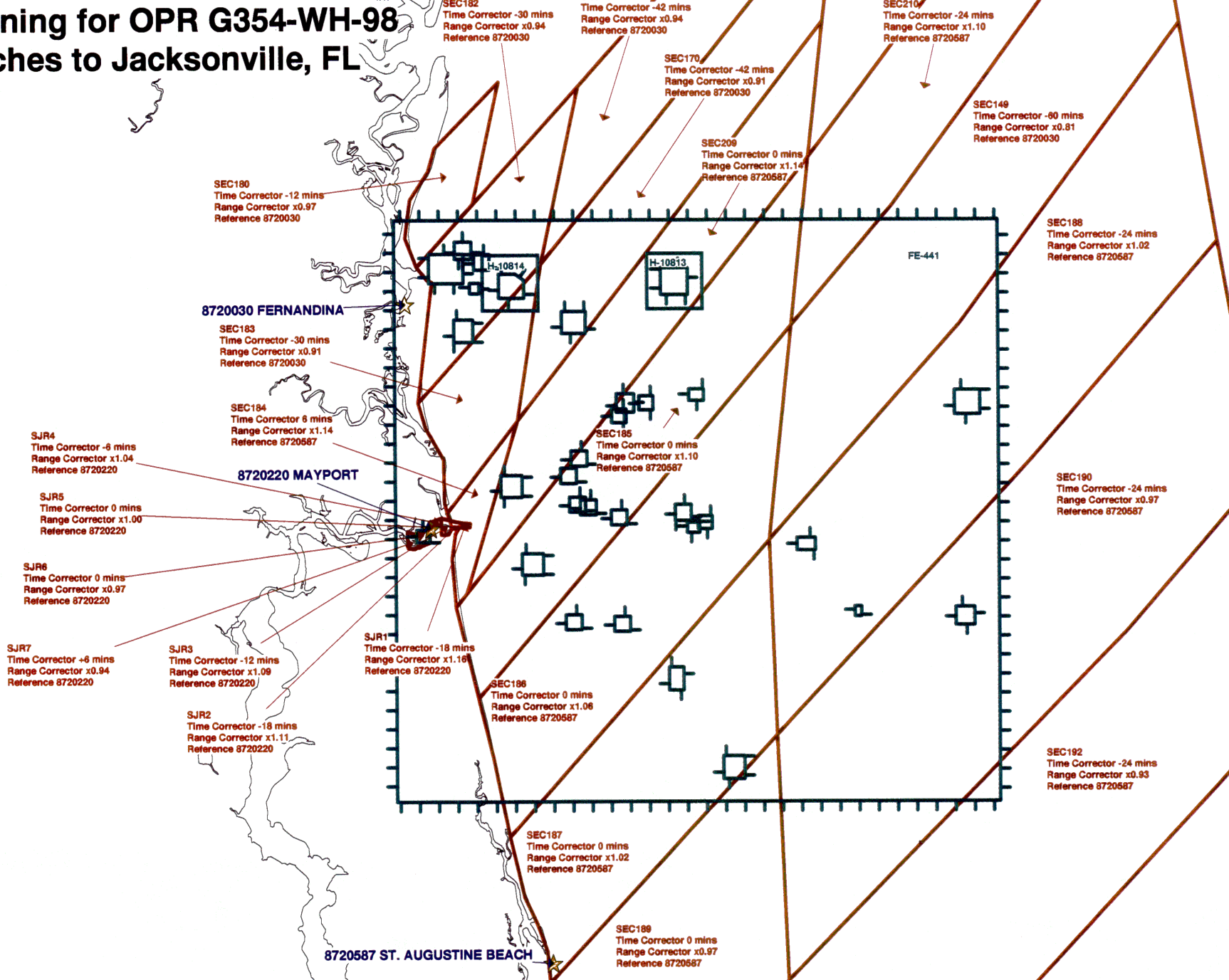


Final Zoning for OPR G354-WH-98 Approaches to Jacksonville, FL



SEC182
Time Corrector -30 mins
Range Corrector x0.94
Reference 8720030



G.6 Tide Correctors

a. The tidal datums for this project are Mean Lower Low Water (MLLW) and Mean High Water(MHW). Soundings are referenced to MLLW. Heights of bridges and cables are referenced to MHW. The operating tide station at Fernandina Beach, Florida (872-0030) served as control for datum determination.

b. Tidal zones are controlled by two primary gauges, Fernandina Beach, Florida (872-0030) and Mayport, Florida (872-0220). Due to the limitations of HPS and for ease of data processing, one tide zone was used for each field examination item, using the predicted tides utility in HPS. All proper zones will be applied through HPS upon receipt of smooth tides from N/OES234. See following page for location of all zones for F00441. The following table shows all tide zones used for F00441: *APPROVED TIDES AND ZONING APPLIED DURING OFFICE PROCESSING*

Zone Name	Time Corr (min)	Range Corr	Ref. Station
SEC 170	-42	X0.91	8720030
SEC 182	-30	X0.94	
SEC 185	-42	X0.84	
SEC 186	-42	X0.81	
SEC 187	-42	X0.78	
SEC 188	-60	X0.78	
SEC 190	-60	X0.74	
SJR6	0	X0.97	8720220

Smooth tides for F00441 were requested from N/OES234 in letters dated July 7, 1998 and July 12, 1998.

The WHITING and its launches employed no unusual or unique methods or instruments to correct echo soundings. All sounding correctors were applied to both the narrow (100 kHz) and wide (24 kHz) DSF-6000N beams. Zoning for this project is consistent with the project instructions.