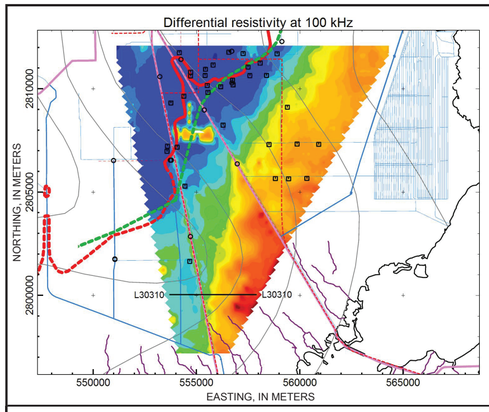
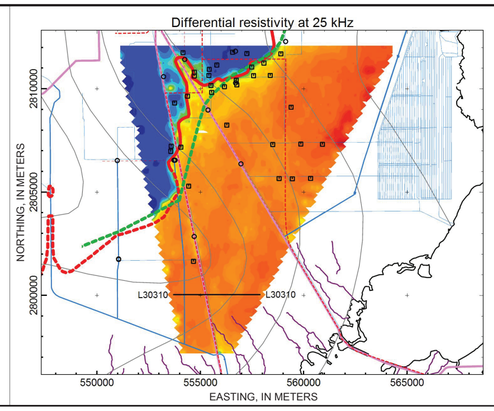
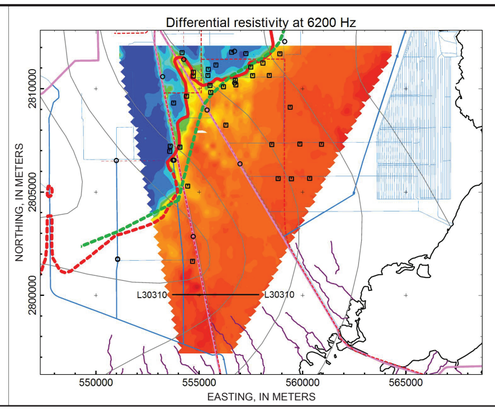
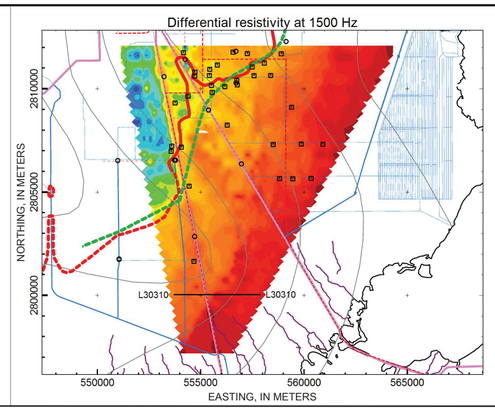
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

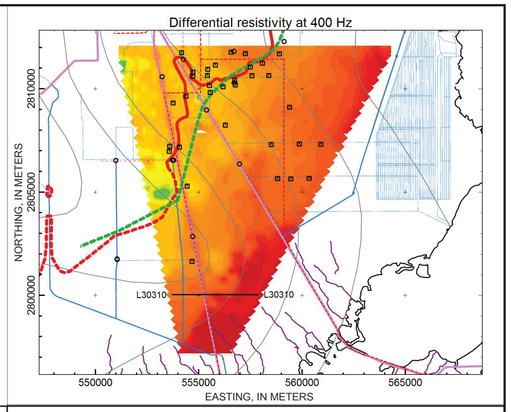
OPEN-FILE REPORT 2012–1176
PLATE 31

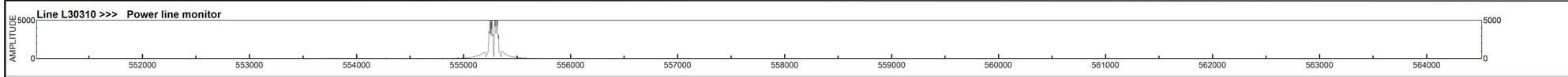


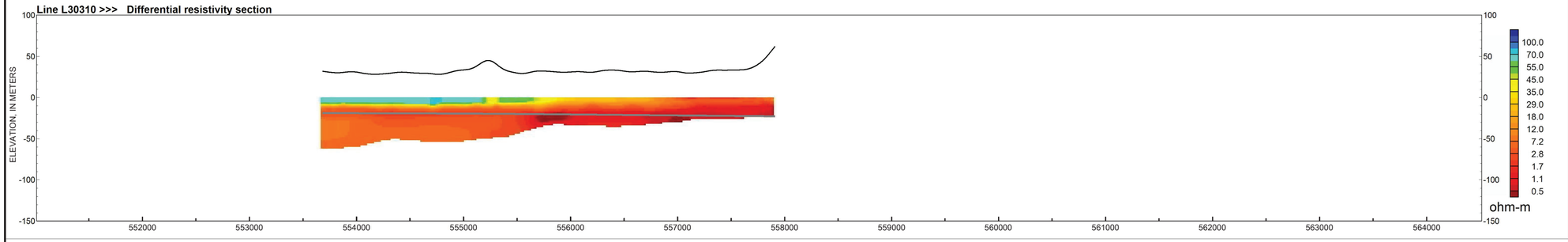


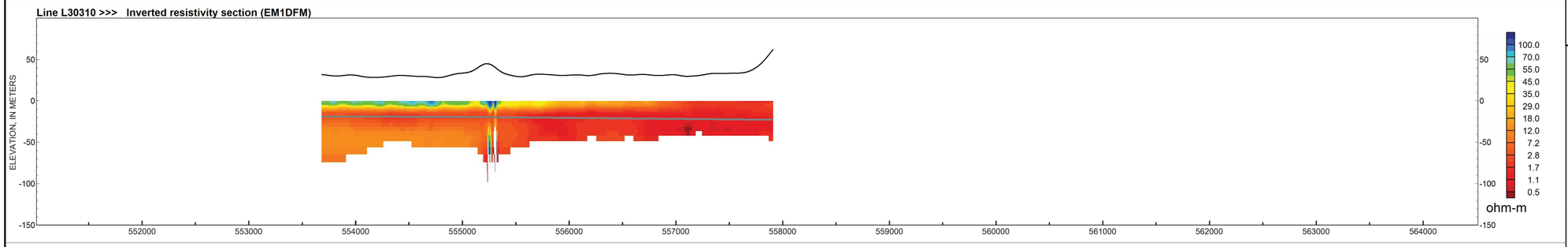


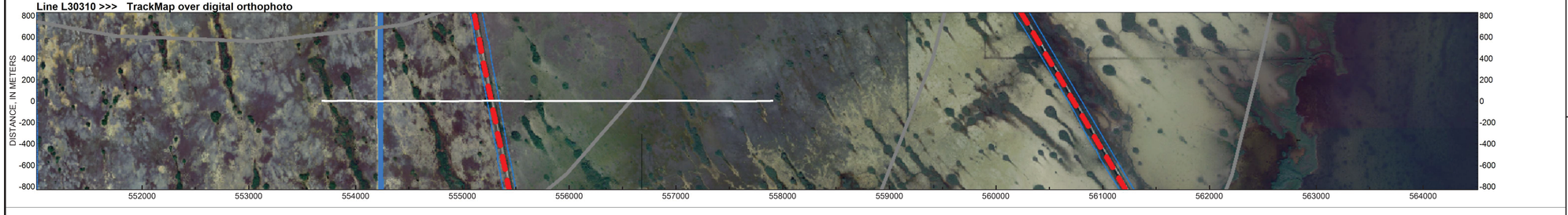


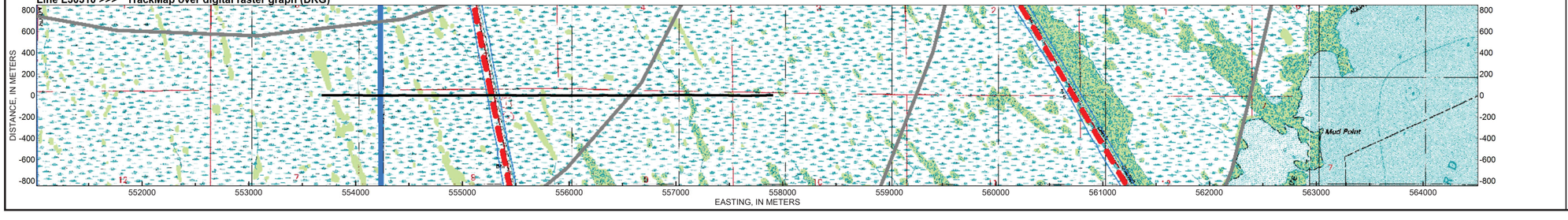












Model Land Area Saltwater Intrusion Study

DIGHEM VRES Helicopter Electromagnetic Survey
Miami-Dade County, Florida

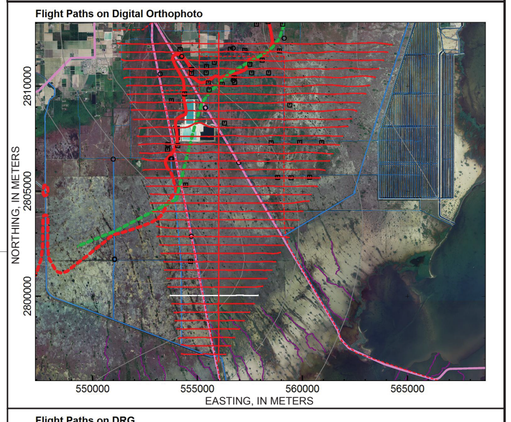
Survey Flown: October 29-30 2001

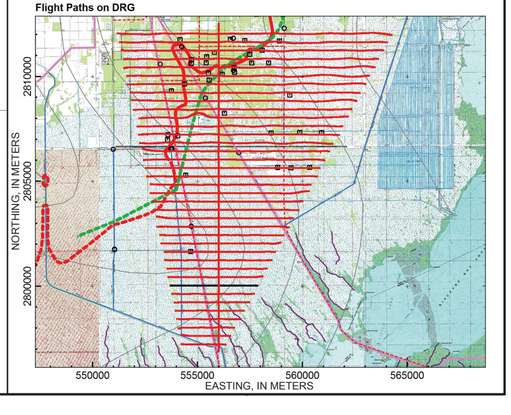
Resistivity Depth Section Line L30310

LEGEND

- MIA224 — TEM sounding
- FKS 4 — well
- canal
- creek
- powerline, large
- powerline, small
- road
- extent of saltwater intrusion in 2011 (Prinos, 2011)
- extent of saltwater intrusion in 1995 (Sonenshein, 1997)
- Extent of saltwater intrusion line dashed where data are insufficient to accurately locate
- base of Biscayne aquifer
- base of surficial aquifer system (Fish and Stewart, 1991)

NAD83 UTM 17N





HELICOPTER ELECTROMAGNETIC SURVEY OF THE MODEL LAND AREA, SOUTHEASTERN MIAMI-DADE COUNTY, FLORIDA