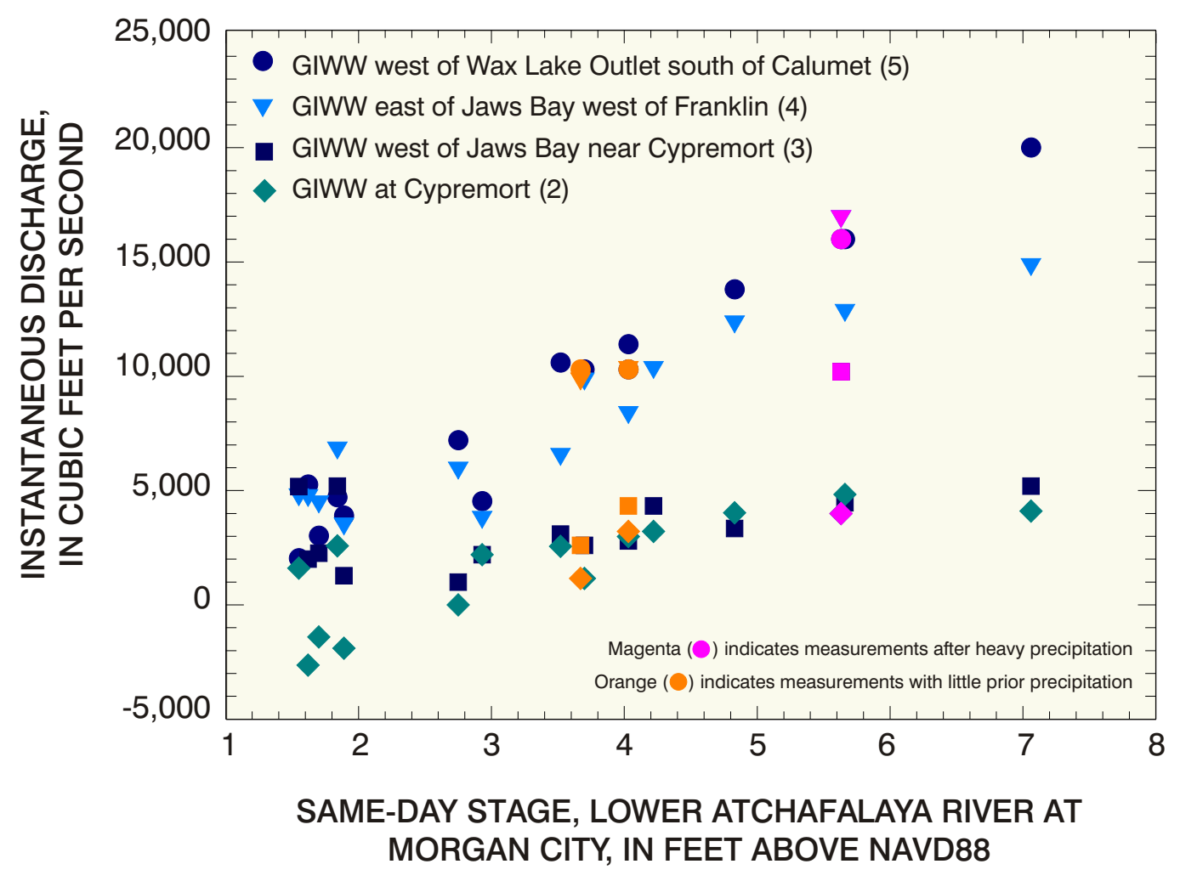
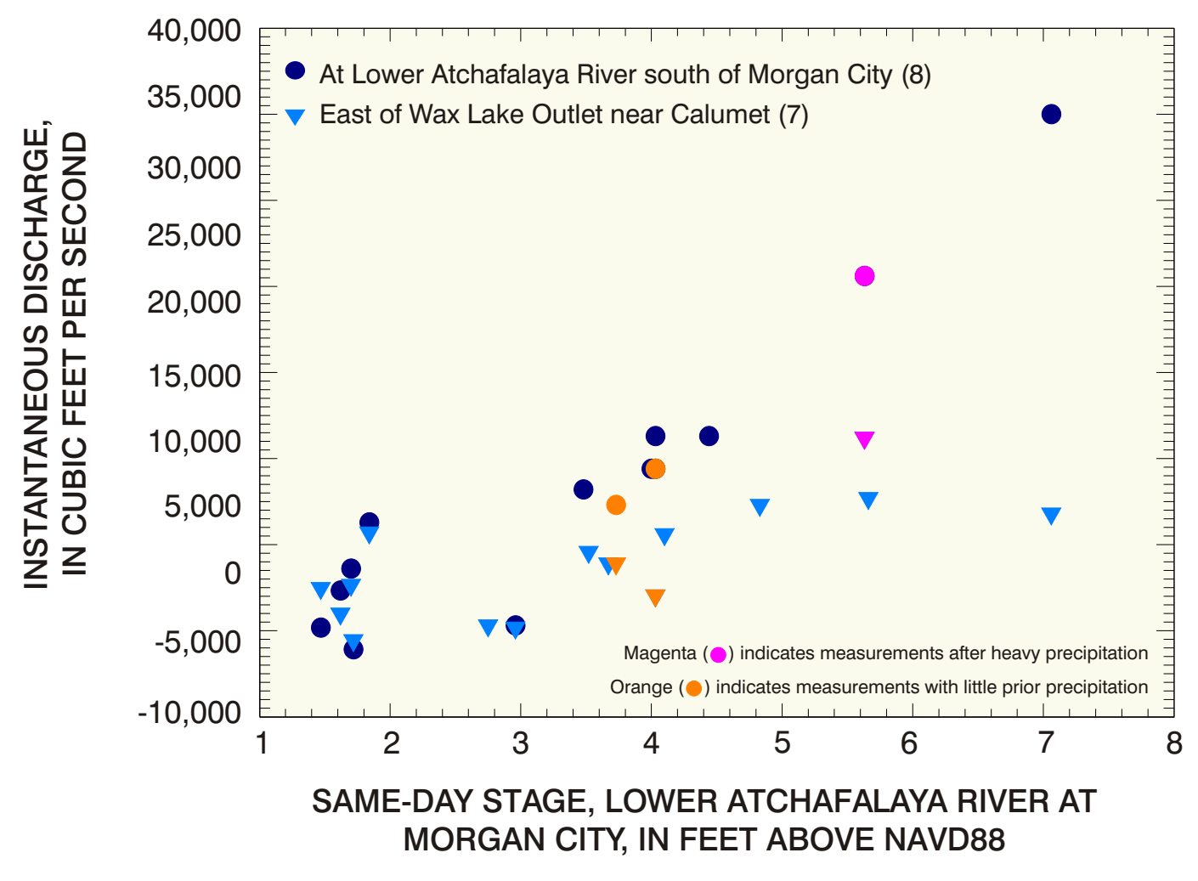
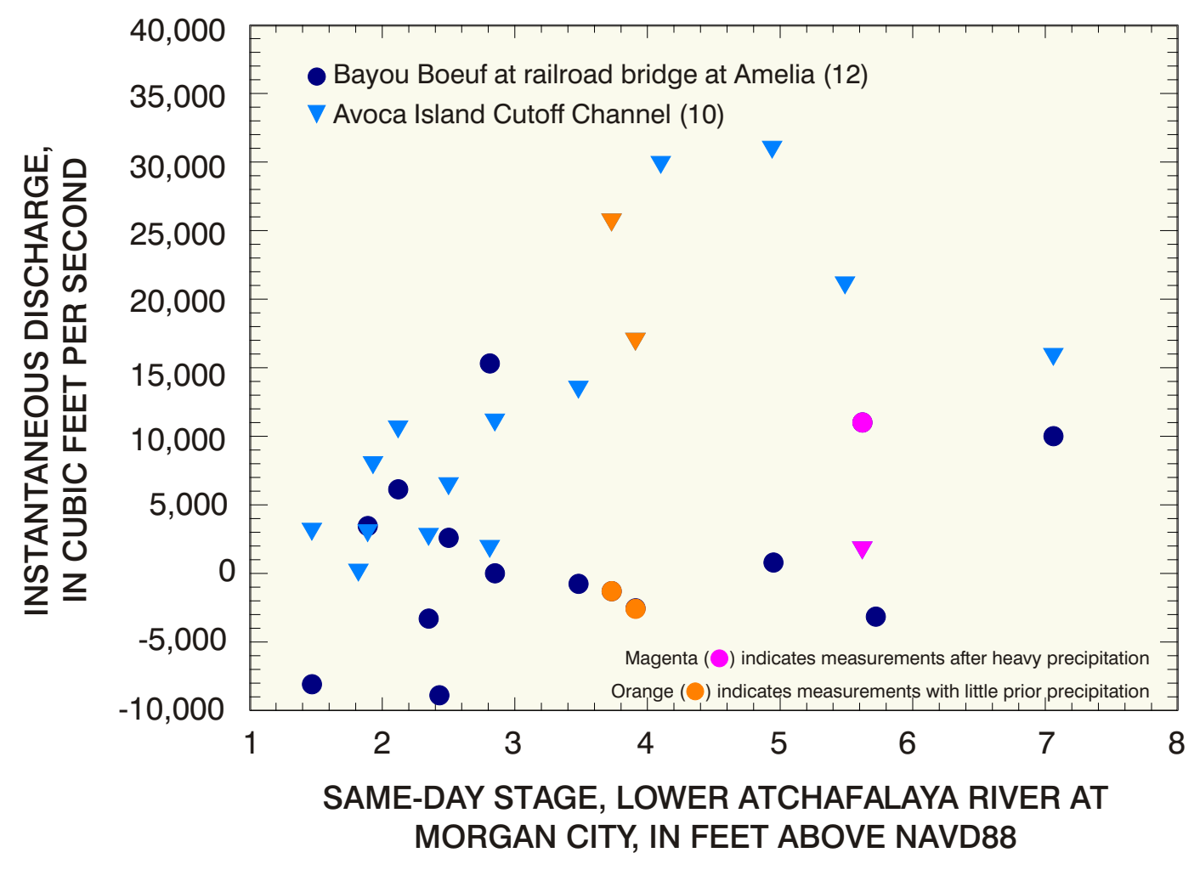
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

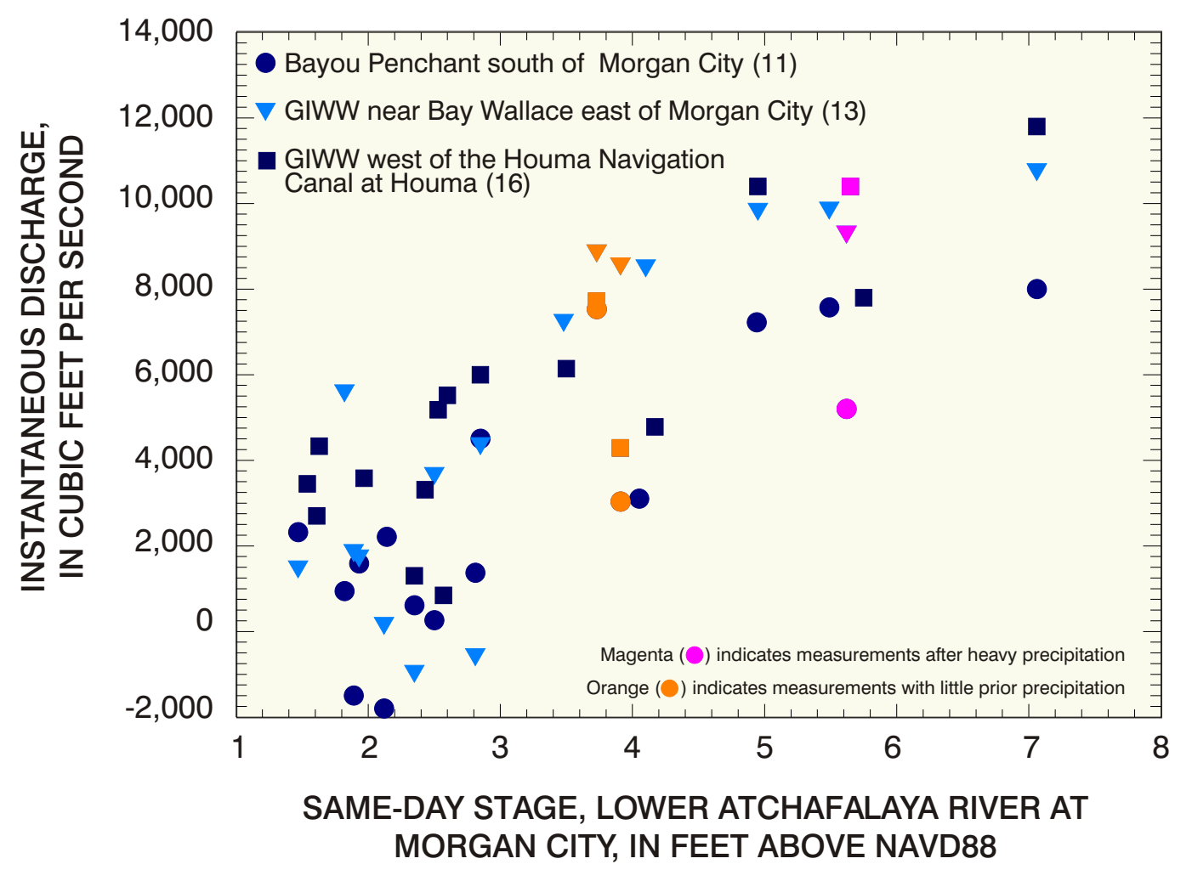
PREPARED IN COOPERATION WITH THE
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT

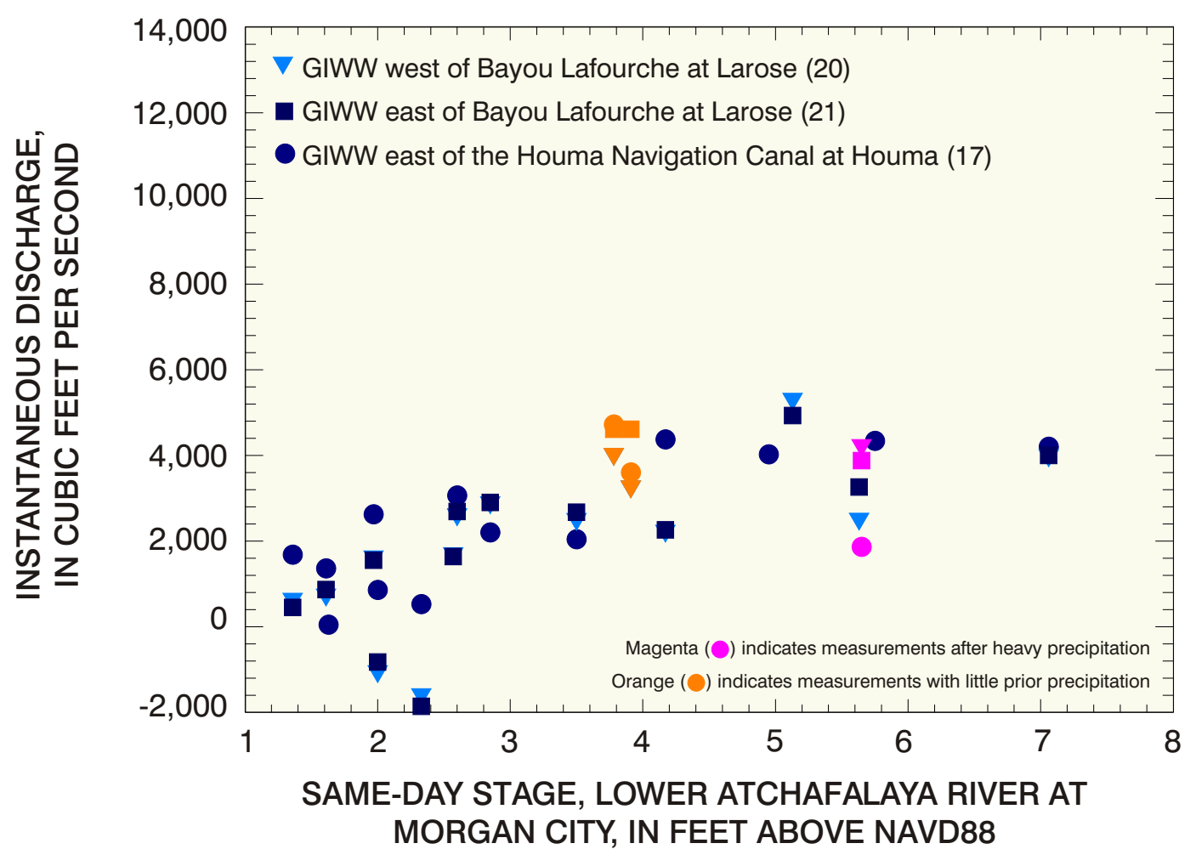
PROFESSIONAL PAPER 1672
Data-collection sites and instantaneous discharge and daily-average salinity in relation to daily-average stage–PLATE 1
Swarzenski, C. M., 2003. Surface-water hydrology of the Gulf Intracoastal Waterway in south-central Louisiana, 1996-99

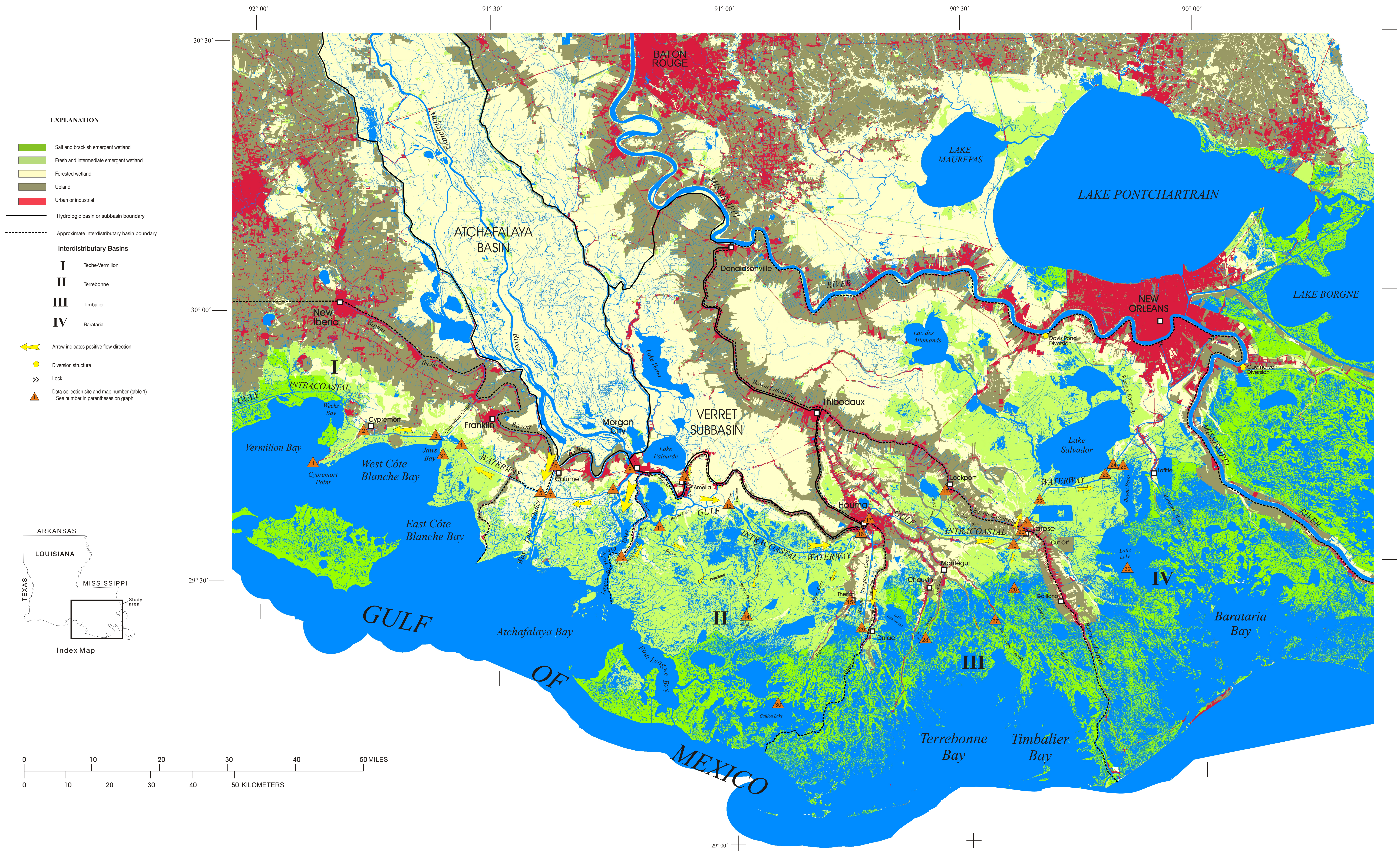


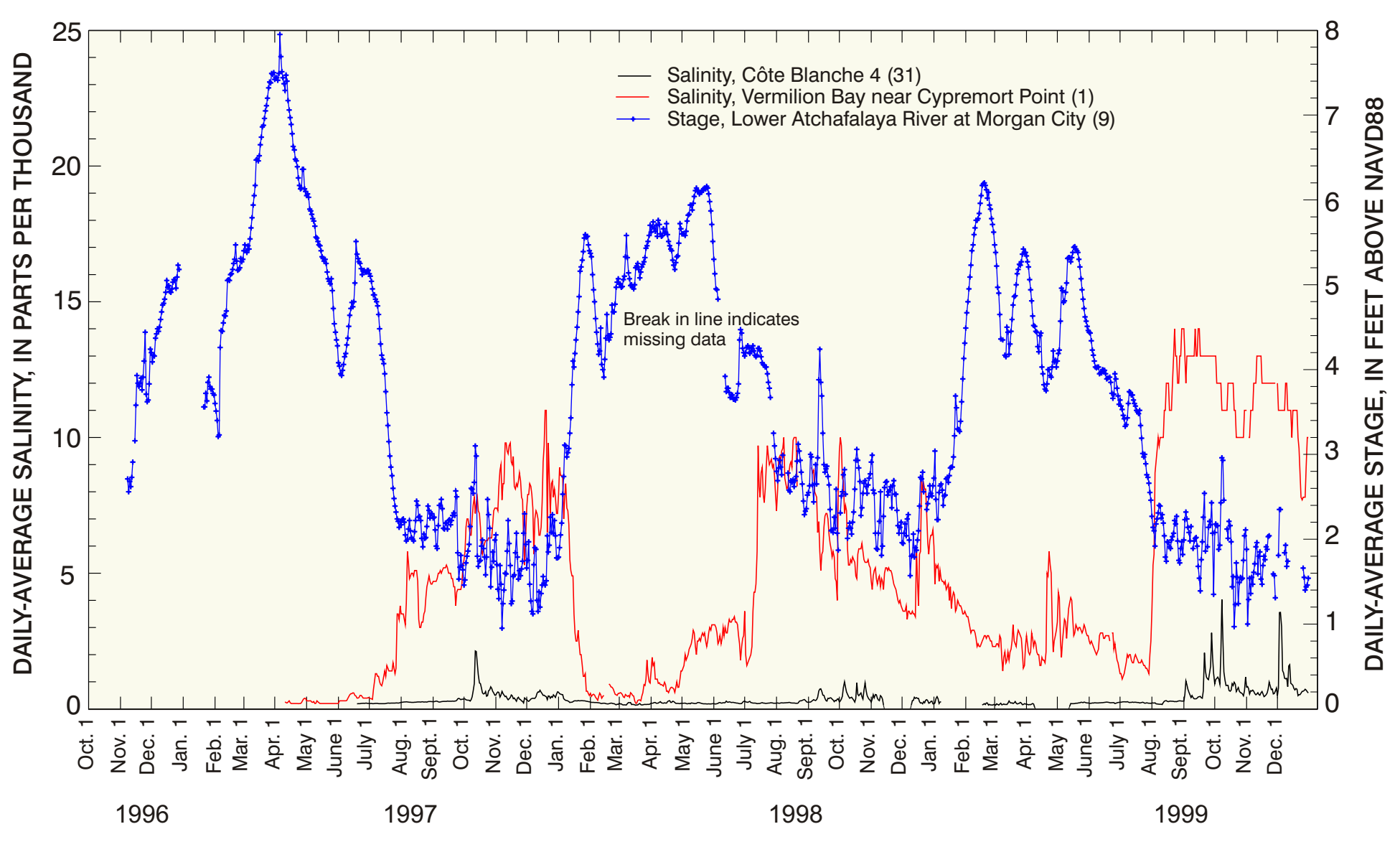


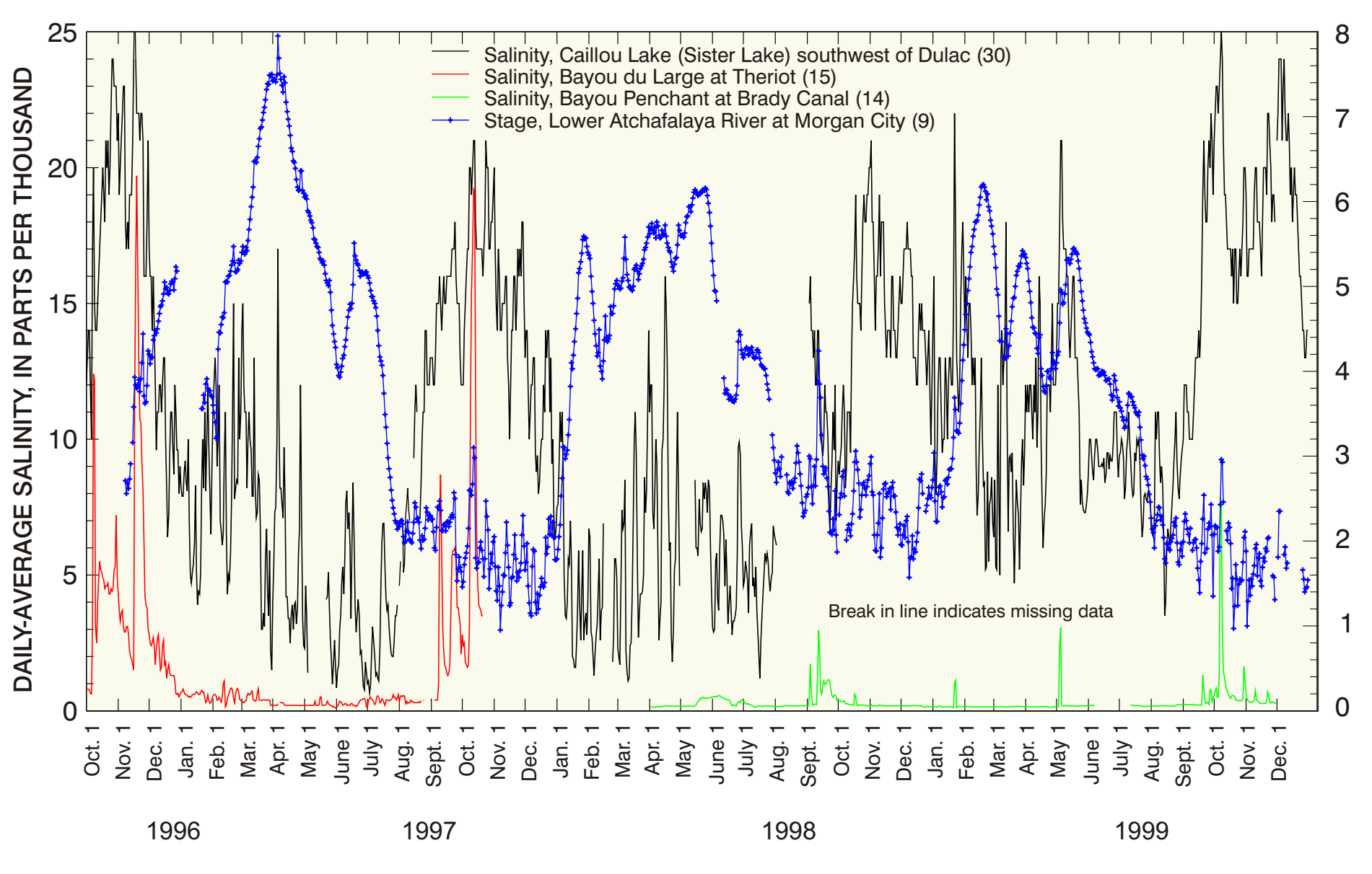


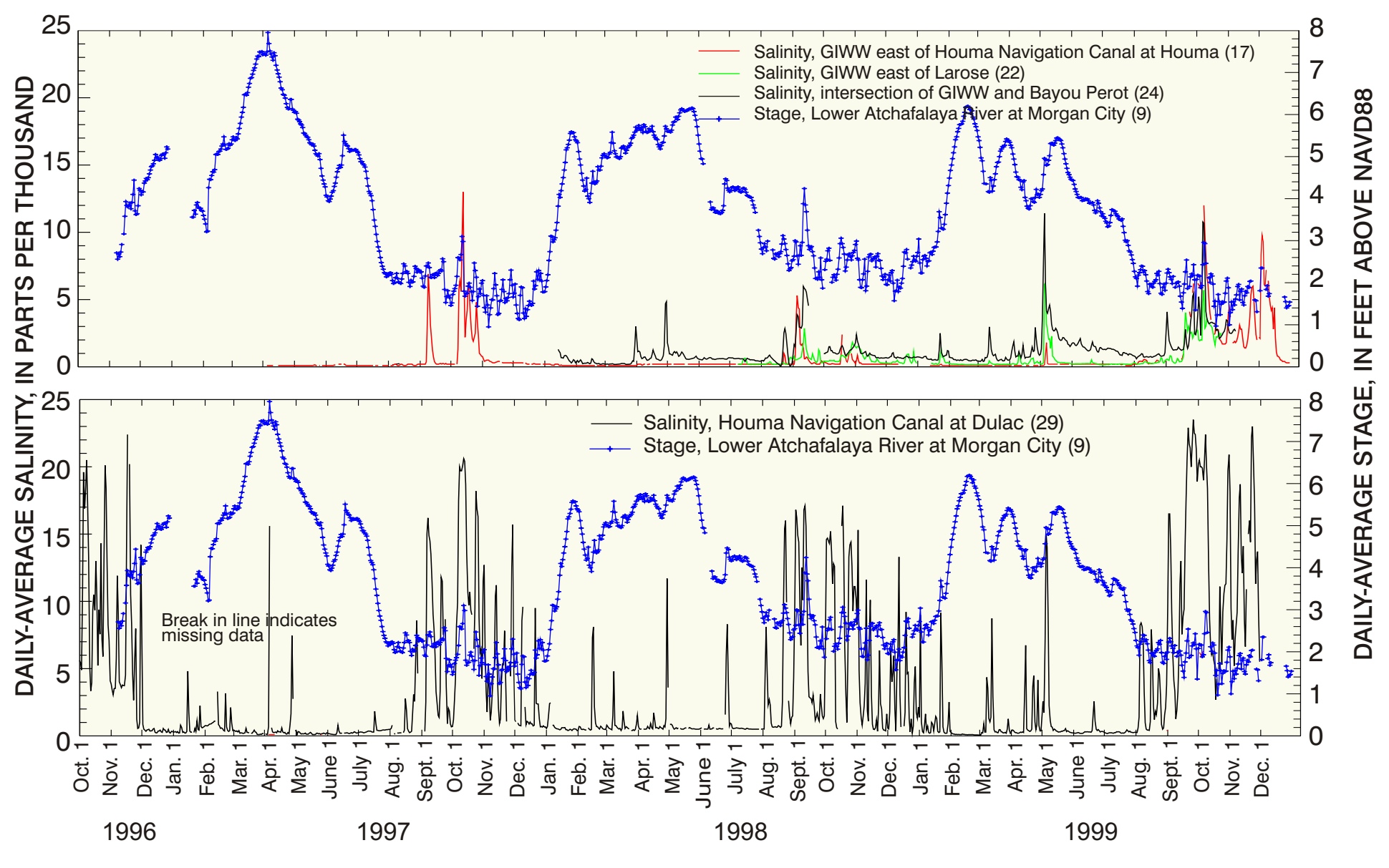


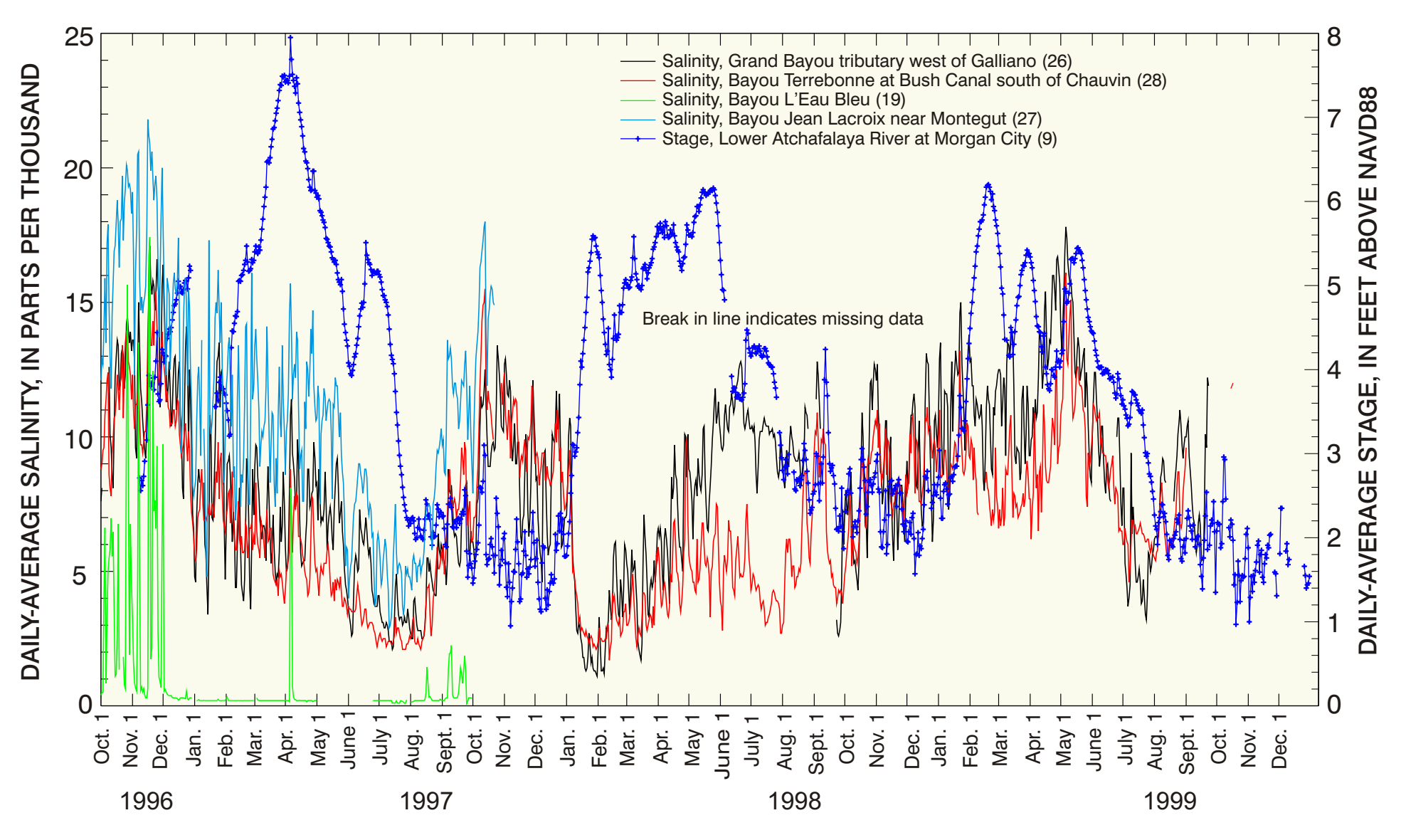



92° 00´
91° 30´
91° 00´
90° 30´
90° 00´
30° 30´
30° 00´
29° 30´
29° 00´
EXPLANATION
Salt and brackish emergent wetland
Fresh and intermediate emergent wetland
Forested wetland
Upland
Urban or industrial
Hydrologic basin or subbasin boundary
Approximate interdistributary basin boundary
Interdistributary Basins
I Teche-Vermilion
II Terrebonne
III Timbalier
IV Barataria
Arrow indicates positive flow direction
Diversion structure
Lock
Data-collection site and map number (table 1) See number in parentheses on graph
ARKANSAS
LOUISIANA
TEXAS
MISSISSIPPI
Study area
Index Map
BATON ROUGE
ATCHAFALAYA BASIN
Atchafalaya River
MISSISSIPPI RIVER
LAKE MAUREPAS
LAKE PONTCHARTRAIN
LAKE BORGNE
Donaldsonville
NEW ORLEANS
Davis Pond Diversion
Caernarvon Diversion
New Iberia
Bayou Teche
Lake Verret
Lac des Allemands
VERRET SUBBASIN
Bayou Lafourche
Thibodaux
Franklin
Charenton Canal
Morgan City
Lake Palourde
Cypremort
Weeks Bay
Vermilion Bay
Cypremort Point
West Côte Blanche Bay
Jaws Bay
GULF INTRACOASTAL WATERWAY
Calumet
Amelia
Bay Wallace
Bayou Chene
Wax Lake Outlet
Lower Atchafalaya River
East Côte Blanche Bay
Atchafalaya Bay
Four League Bay
Houma
Lockport
Lake Salvador
Segnette Waterway
Lafitte
Bayou Perot
Barataria Waterway
Larose
Cut Off
Company Canal
Bayou L'Eau Bleu
Montegut
Chauvin
Theriot
Houma Navigation Canal
Bayou Penchant
Dulac
Lake Boudreaux
Caillou Lake
Little Lake
Galliano
Bayou Grand
Bayou Jean Lacroix
Barataria Bay
Terrebonne Bay
Timbalier Bay
GULF OF MEXICO
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
0 10 20 30 40 50 MILES
0 10 20 30 40 50 KILOMETERS









Base Map of Land Cover: USGS-National Wetlands Research Center, Lafayette, Louisiana

MAP SHOWING SURFACE-WATER DATA-COLLECTION SITES, AND GRAPHS SHOWING INSTANTANEOUS DISCHARGE AND DAILY-AVERAGE SALINITY AT SELECTED SITES IN RELATION TO DAILY-AVERAGE STAGE OF THE LOWER ATCHAFALAYA RIVER AT MORGAN CITY, SOUTH-CENTRAL LOUISIANA, OCTOBER 1996 TO DECEMBER 1999

By
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2003