

-82°42'0"

-82°36'0"

-82°30'0"

-82°24'0"

-82°18'0"

28°0'0"

27°54'0"

27°48'0"

27°42'0"

27°36'0"

28°0'0"

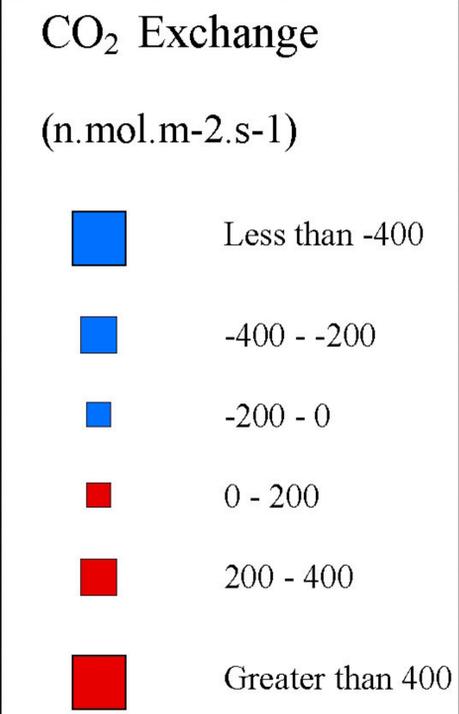
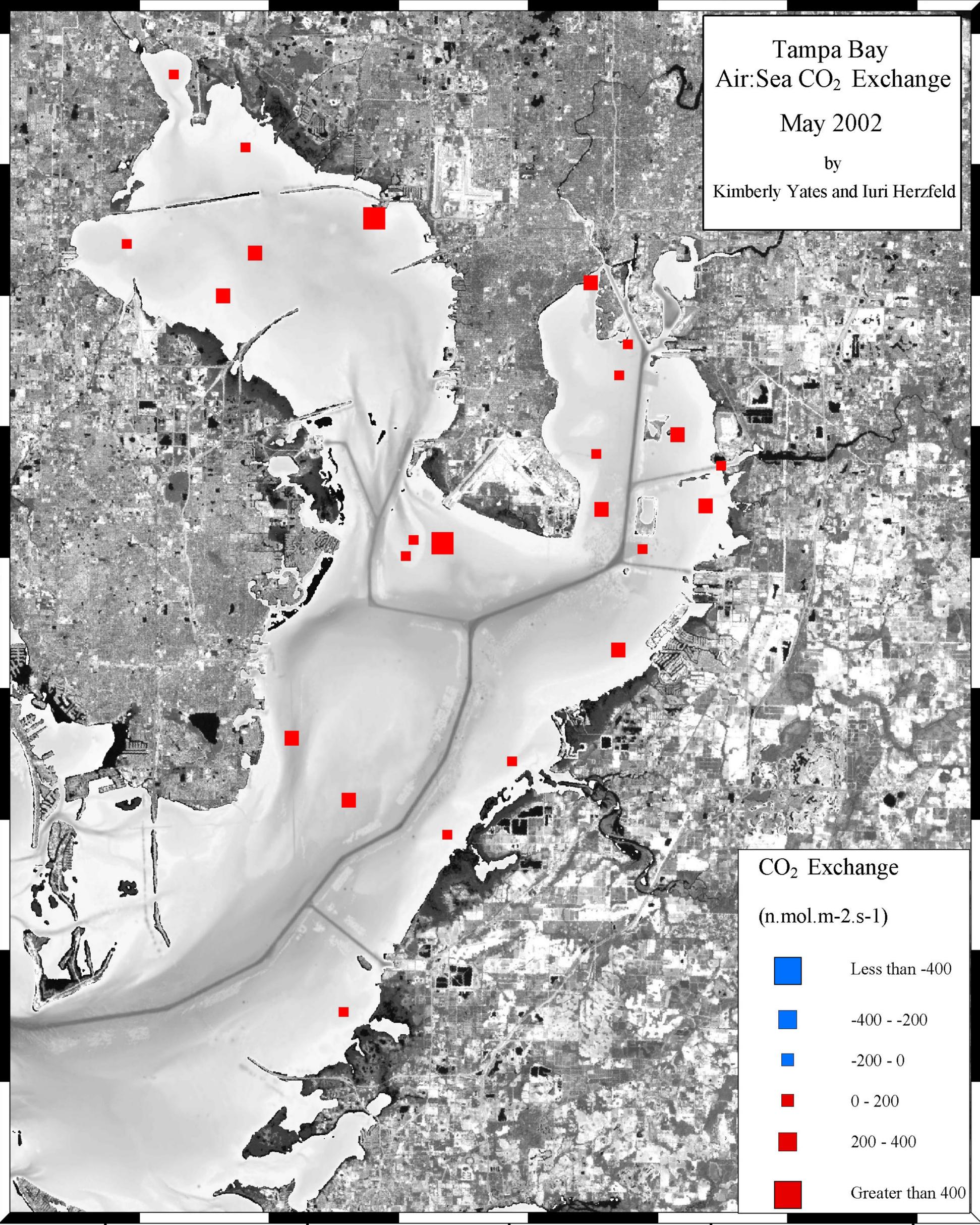
27°54'0"

27°48'0"

27°42'0"

27°36'0"

Tampa Bay
 Air:Sea CO₂ Exchange
 May 2002
 by
 Kimberly Yates and Iuri Herzfeld



-82°42'0"

-82°36'0"

-82°30'0"

-82°24'0"

-82°18'0"

Map edited by Iuri Herzfeld of the U.S. Geological Survey. Map has not been reviewed for conformity with U.S. Geological Survey editorial standards. Air:Sea exchanges were measured using a direct chamber method with a LiCor 6252 infrared CO₂ gas analyzer. Carbon dioxide exchange rates reflect the linear slope with the best Pearson product moment correlation coefficient (r²) calculated from a curve of approximately 900 data points. Negative values indicate transfer of CO₂ from air to sea. Positive values indicate transfer of CO₂ from sea to air. Background image Landsat TM 1990 band 5 monochromatic. Water region of the Bay displays bathymetry layer developed by USGS/EROS Data Center and NOAA/Coast Survey Development Laboratory.



1:250,000

