

Impact of Landfill Leachate on Iron Release from Northwest Florida Iron Rich Soils

(2007 Update)

Gang Chen, Tarek Abichou , and Jeffrey Chanton

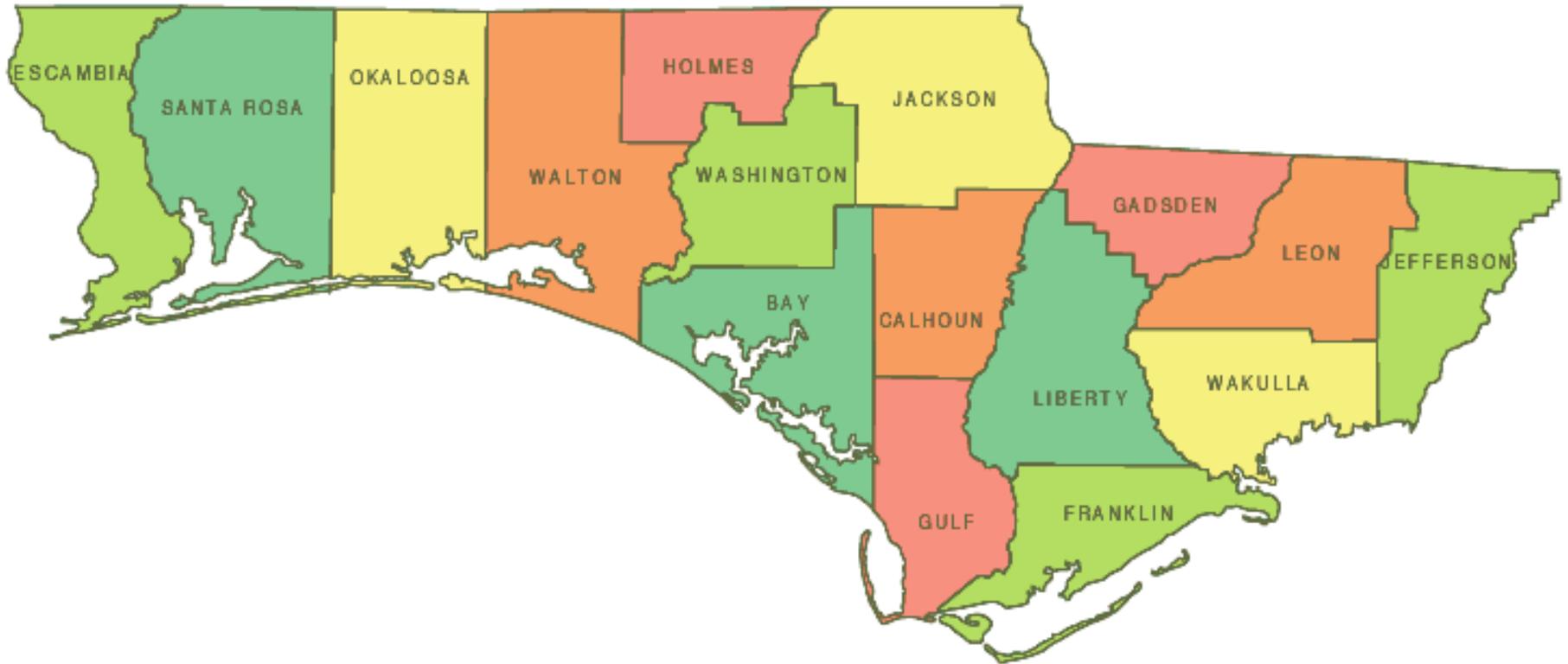
**Department of Civil and Environmental Engineering
FAMU-FSU College of Engineering
Department of Oceanography
Florida State University**

Soil and Leachate Sampling

Soil and leachate sampled from following landfills:

Landfill	County
Steelfield Landfill	Bay
Perdido Landfill	Escambia
Franklin County Central Landfill	Franklin
Quincy Byrd Landfill	Gadsden
Five Points Landfill	Gulf
Holmes County Landfill	Holmes
Springhill Regional Landfill	Jackson
Leon County Solid Waste Mgmt Facility	Leon
Wright Landfill	Okaloosa
Holley Navarre Landfill	Santa Rosa
Santa Rosa Central Landfill	Santa Rosa
Lower Bridge Landfill	Wakulla
Walton County Central Landfill	Walton

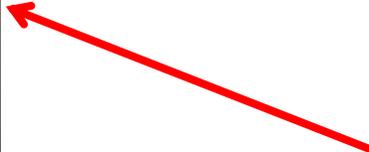
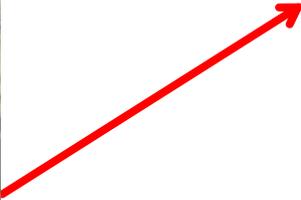
Representing NW Florida



Santa Rosa Central Landfill



Perdido Landfill



Leon County Landfill



Laboratory Experiments



Leon County
Landfill Soil

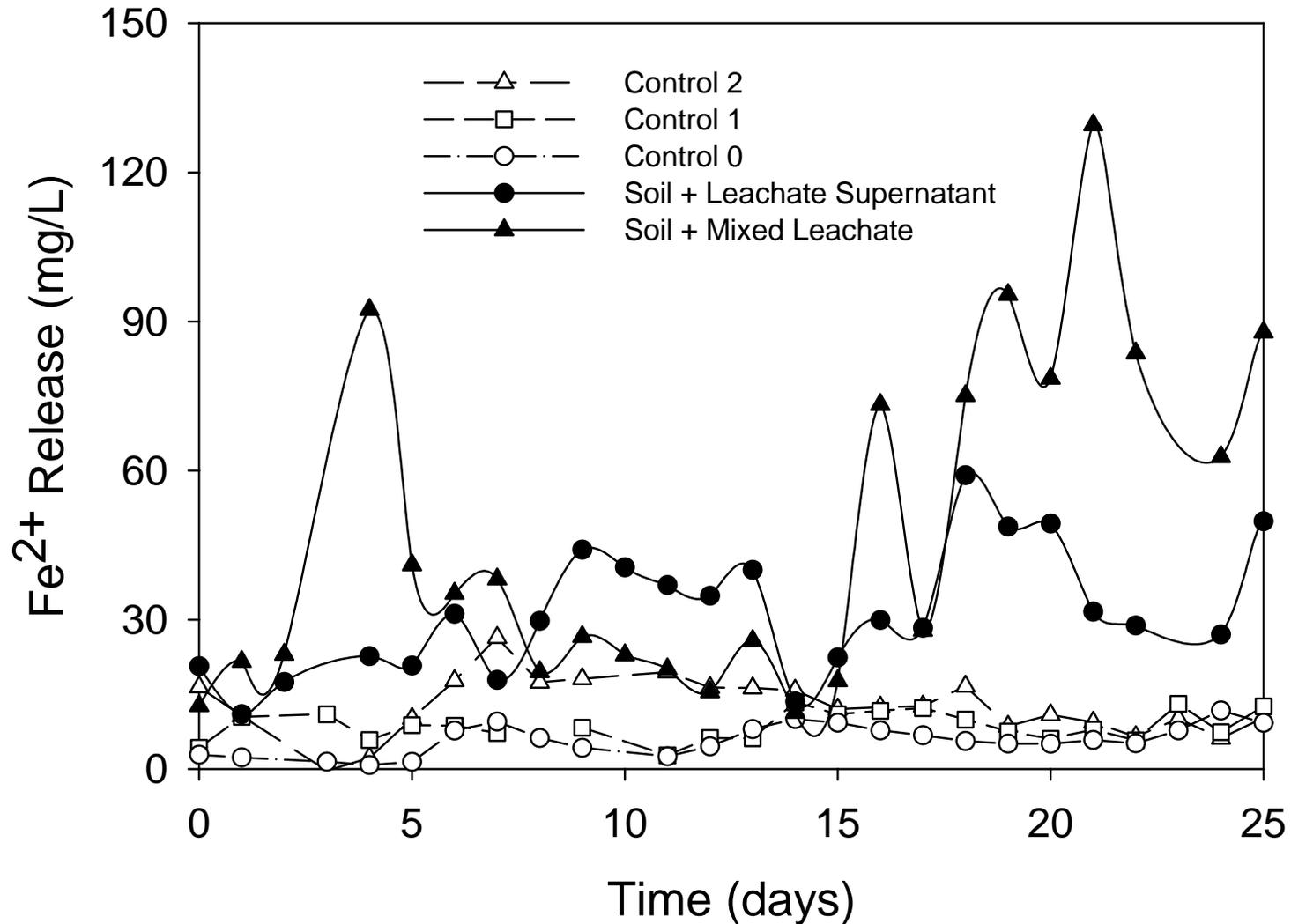


Iron Reducing Bacteria



Artificial Leachate

Laboratory Experiment Results



Low Iron Content Soil Sample



Laboratory Experiments



Low Iron Content Soil



Iron Reducing Bacteria



Artificial Leachate

Laboratory Experiment Results

