



Coastal Hydrology Lab

Dini Adyasari

Research focus

Groundwater-surface water interaction

Radon-222 (^{222}Rn)

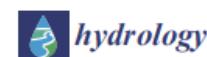
Radium quartet ($^{223,224,226,228}\text{Ra}$)

Coastal groundwater quality and seawater intrusion

Nutrients, heavy metal, coliform, etc
Stable isotopes
Electrical resistivity

Groundwater implications to biota and ecosystems

Coral reef, wetland, bottom biota



Review

Synthesizing the Effects of Submarine Groundwater Discharge on Marine Biota

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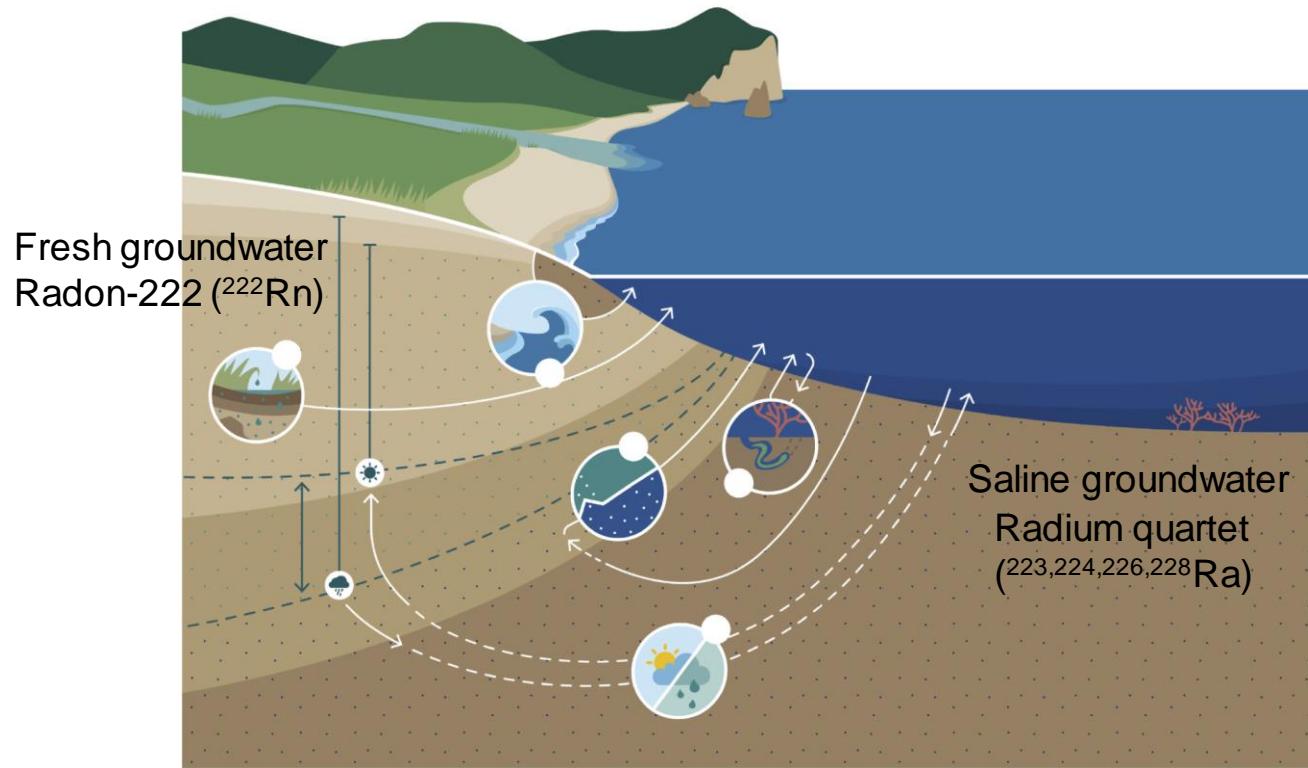




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Research focus

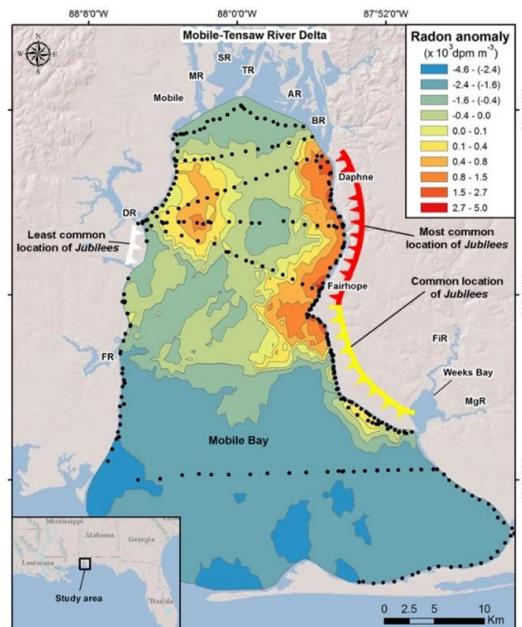
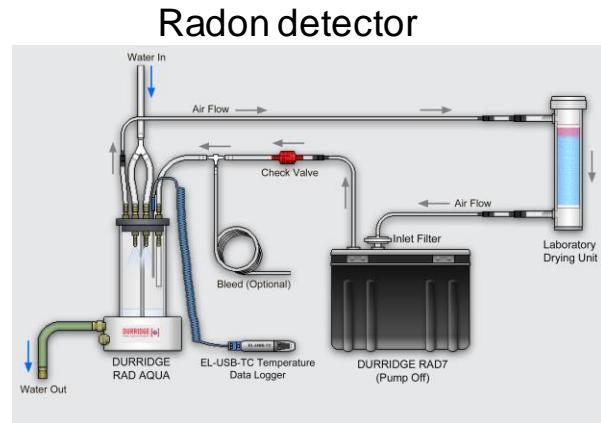




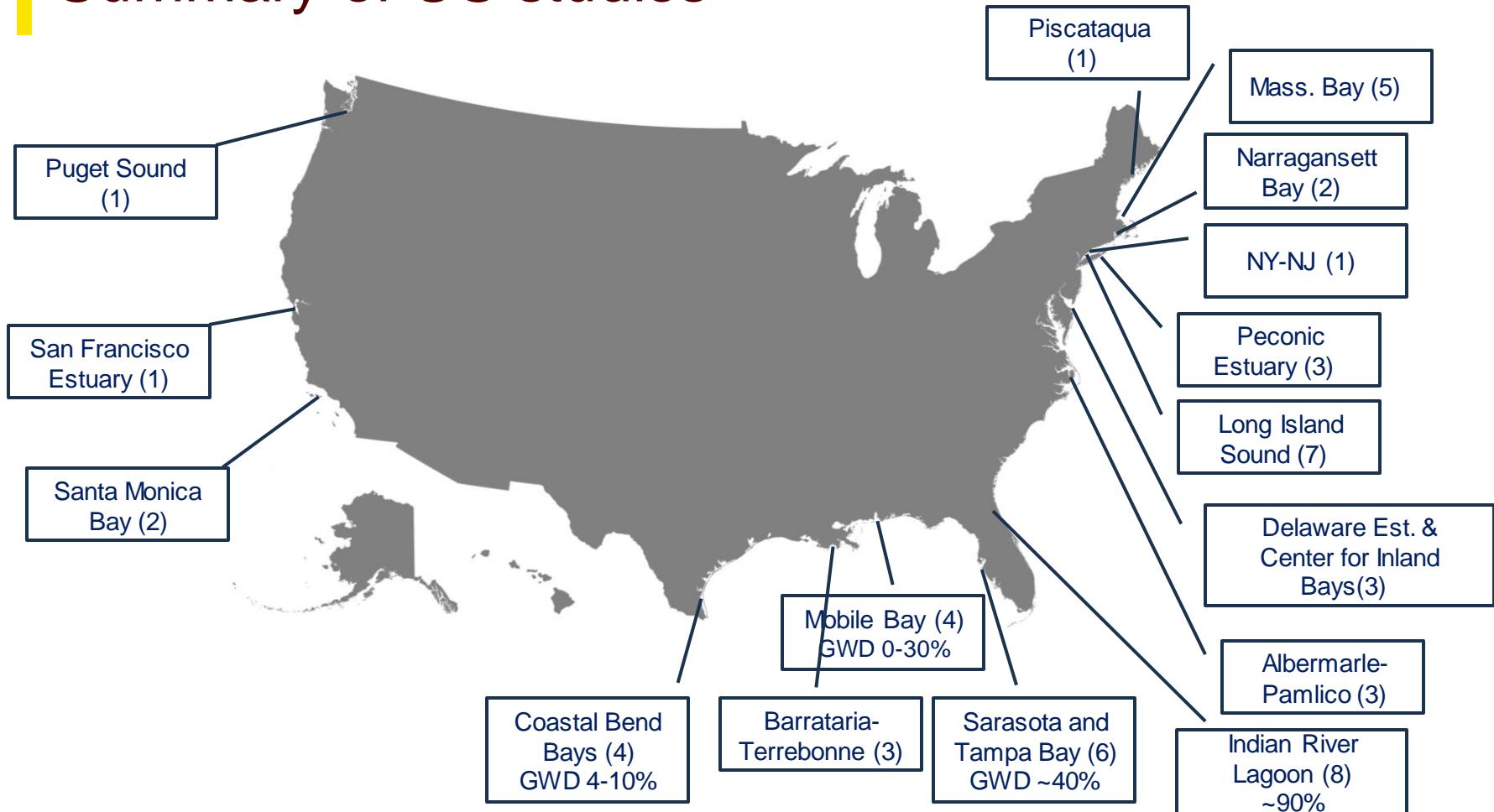
Radium detector



Radon detector setup
at TAMUG

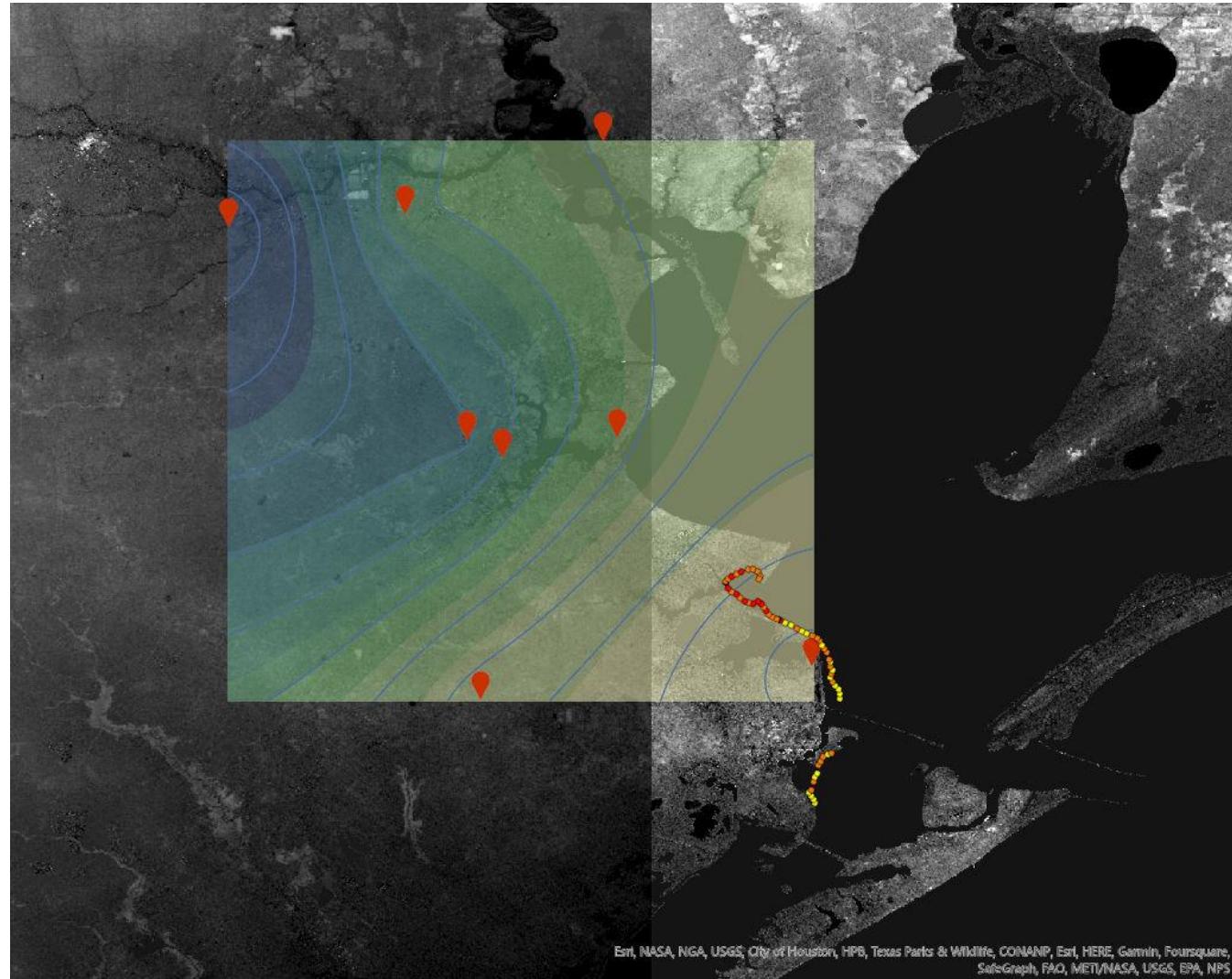


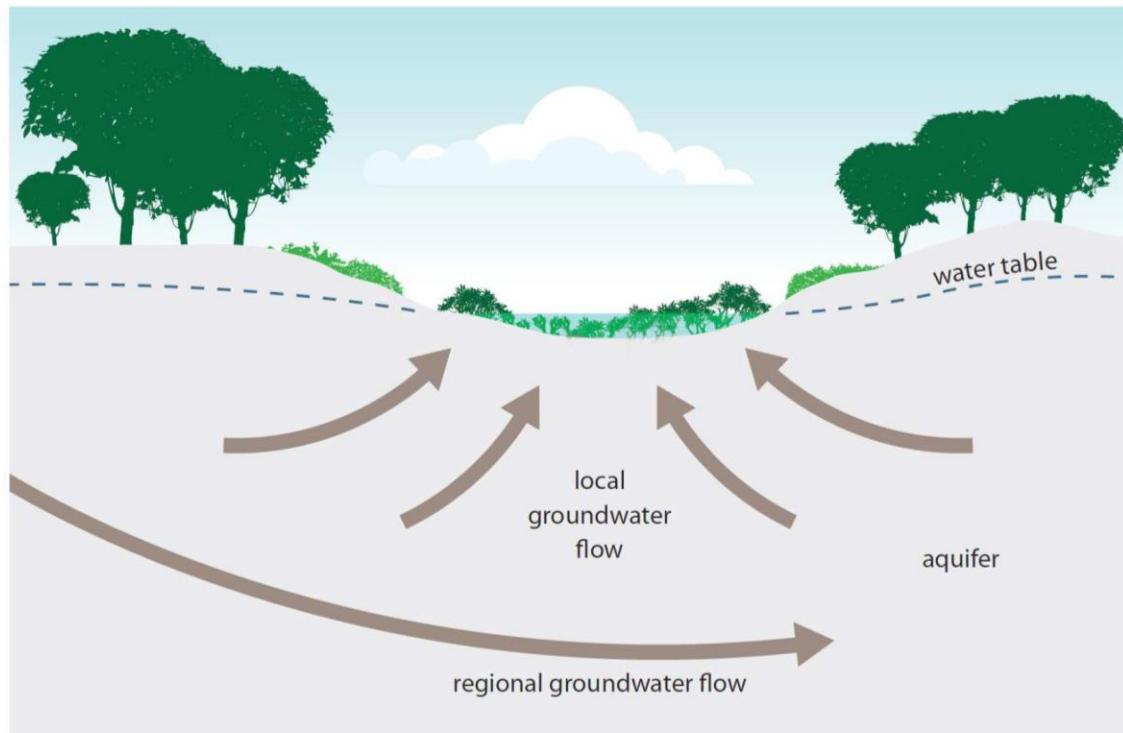
Summary of US studies



Preliminary ^{222}Rn data Galveston Bay

- 51-75 Bq m^{-3}
- 21-50 Bq m^{-3}
- 0-20 Bq m^{-3}







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Thank you

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