

LUZYANNET BALLESTEROS

Environmental Scientist

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EXPERIENCE

Flood Outreach Specialist

Texas Water Development Board

📅 July 2020 - Ongoing

📍 Harlingen, TX

- Perform outreach and technical assistance to support floodplain management, flood protection, and mitigation. Specifically focused on communities participating in the NFIP.
- Prepare technical information or maps using GIS, related to NFIP and floodplain management.

Graduate Research Assistant

University of Texas Rio Grande Valley

📅 August 2020 - Ongoing

📍 Edinburg, TX

- Organize and develop standard operation procedures to conduct field work related to soil samples, as well as processing.
- Research and help gather data in regards to soil dynamic properties as part of NRCS Dynamic Soil Properties project.

PROJECTS

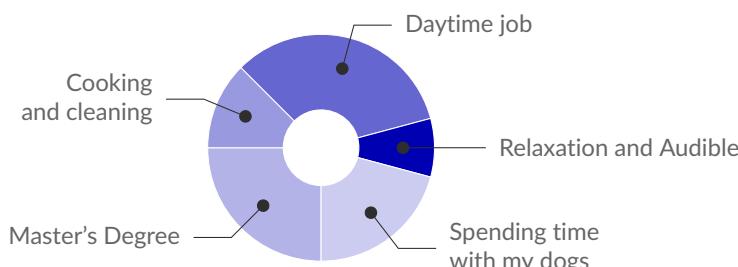
Dynamic Soil Properties USDA/NRCS

2 years

📍 Edinburg, TX

This study, part of a national NRCS project on DSPs and soil health, investigates the impact of tillage practices in Hidalgo sandy clay loam, a soil series that spans more than 250,000 acres in south Texas. We measure DSPs including organic carbon and nitrogen, aggregation, infiltration, bulk density, respiration, biological community structure and enzymes in unirrigated agricultural fields in Hidalgo and Willacy counties with a history of strip tillage, intermittent strip tillage, and conventional tillage. A minimally disturbed natural site is also included as a reference point. Local lab results will be compared to results from the NRCS Kellogg Soil Survey Laboratory to help standardize laboratory procedures and increase accuracy for future soil tests in our region

A DAY OF MY LIFE



MY LIFE PHILOSOPHY

"Priorities that guide my work are intention, quality scientific results, collaboration and authenticity."

ACHIEVEMENTS

Presidential Graduate Research Assistant-ship

Competitive award annually awarded to outstanding students to enhance graduate research.

DREAM US Scholarship

Competitive scholarship awarded to immigrant students who have demonstrated the ability to succeed in life.

STRENGTHS

Hard-working Detail Oriented

Fast learner Team player

ArcGIS desktop and online

SOP development

Environmental Regulations

LANGUAGES

English



Spanish



EDUCATION

M.Sc. Agriculture, Environmental, and Sustainable Sciences

University of Texas Rio Grande Valley

📅 August 2020 – May 2022

B.Sc. Environmental Science

University of Texas Rio Grande Valley

📅 August 2018 – May 2020