Restoring a resilient earth for a modern world

Delivering a Leading-Edge Water Quality Monitoring Program

Customized | Compliant | Cost-Effective

Interview Evaluation Meeting
Water Quality Monitoring Program Contract
(RFP # RFP 25-004)

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With you today

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Who We Are

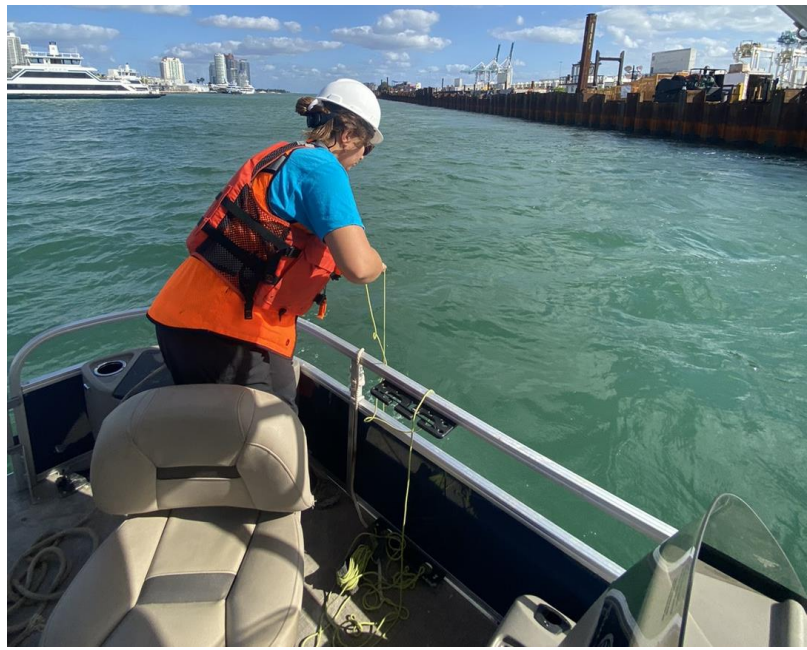
- Nation's largest nature-based solutions provider.
  - 18+ years in environmental restoration and monitoring
- Florida Keys-based team with strong relationships across FDEP, DOH, NOAA, USACE and local governments.
- **Goal**: to support the City and stakeholders with science- backed, actionable insights.
- Collaborating with WSP and Eurofins to offer a full-spectrum approach: monitoring, analysis, permitting and solutions.

Comprehensive Operations Plan

- Fully developed sampling operations plan with:
  - Qualified, certified, experienced field team
  - Equipment redundancy
  - QA/QC reviews every cycle
  - Sample chain-of-custody management and coordination with Eurofins Marathon lab.
- Data collected and reviewed in near real time using mobile apps (FieldMaps, Survey123).
- Can include four beach sites and additional sites.
- Expanded sampling parameters to include turbidity, dissolved oxygen and other water quality indicators.
- Clear contingency planning for weather, staffing, and equipment downtime.

Local Staff, Regional Experience and RESults

- RES deploys a dedicated, qualified local field team based in the FL Keys – trained in FDEP SOPs and safety.
- RES is not just a data collection firm – specialize in collecting defensible, regulatory-compliant scientific data, which informs data-driven, clear, actionable recommendations for restoration.
- Prioritize public outreach - turn complex water quality data into engaging, digestible results to build trust and transparency.
- Example: Village of Islamorada Canal Monitoring
  - RES took over semi-annual water quality and benthic monitoring from FIU.
    - Providing comprehensive data and summary reports to the Village.
    - WSP uses RES' data to design and permit canal restoration solutions.
    - Outcome: Improved water quality and seagrass recruitment in canals.



Beyond Monitoring

- RES goes beyond compliance sampling – we provide clear, science-to-solution pathways.
- Our team has experience supporting NPDES Phase I and Phase II permittees, with:
  - Stormwater master planning, MS4 permit support, infrastructure assessment and pollutant reduction strategies.
- Implement Source Tracking to:
  - Microbial - Differentiate between human, pet, and wildlife sources.
  - Nutrients - Help the City pinpoint causes of elevated sources.
  - Inform targeted responses like stormwater retrofits.
- Our team also incorporates nature-based solutions, such as mangrove restoration and wetland enhancements, to improve water quality, reduce nutrient loads, and build long-term coastal resilience.
- RES translates monitoring results into recommendations for adaptive management.

Why RES is the Right Partner

- RES brings a comprehensive mindset and a turnkey science-to-solution approach, not just monitoring.
- Our local team has deep experience in water quality, NPDES compliance and stakeholder communication.
- Delivering measurable success in projects like Islamorada canal monitoring:
  - Improved water quality and seagrass recruitment.
- Services include:
  - Microbial Source Tracking, turbidity monitoring and trend analysis.
  - Actionable recommendations and nature-based solutions like wetland and mangrove restoration.
  - Clear public-facing tools: dashboards, reports and presentations.
- Offer a cost-effective, fully staffed program.

res™

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