NorthPort
F L O R I D A

North Port Environmental Scorecard Assessing Environmental Health

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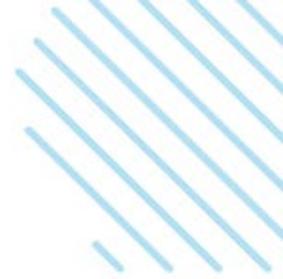North Port Natural Resources Division

Environmental Advisory Board
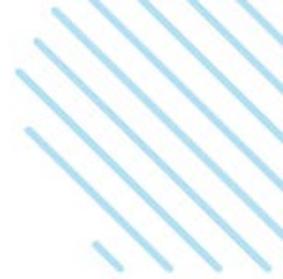December 2, 2024

Introduction

- North Port, Florida: A vibrant and growing city known for its natural beauty and natural resources.

- Importance of Environmental Monitoring: Ensuring the health and well-being of the community and preserving natural resources for future generations.
  - Water Quality
  - Air Quality
  - Tree Canopy
  - Wildlife
  - Natural Resources Division Efforts
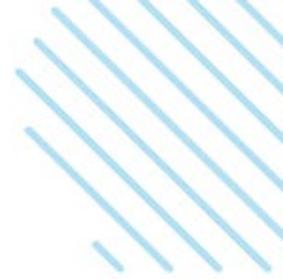
Water Quality

- Drinking Water
    - Various parameters
        - Turbidity, total coliform bacteria, lead, asbestos, etc.
        - Reported annually by the Utilities Department

- Surface Water Quality
    - Different Parameters
        - Dissolved Oxygen, Chlorophyll A, Total Nitrogen, Total Phosphorus, Bacteria, etc.
    - Various Potential Sources of Monitoring
        - FDEP, SWFWMD, Sarasota County, City of North Port, CHNEP Water Atlas, etc.

Air Quality

- Air Quality Index
  - Particulate matter < 2.5 microns (PM2.5)
  - Particulate matter < 10 microns (PM10)
  - Ozone (O3)
  - Nitrous Dioxide (NO2)
  - Sulfur Dioxide
  - Carbon Monoxide
- Purple Air – Air Quality
  - Monitoring program developed by North Port
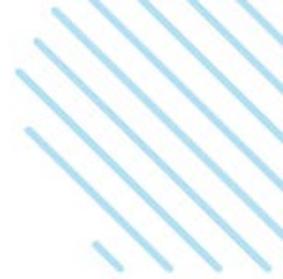 - Real-time monitoring capabilities

Tree Canopy

- Tracks the overall condition of the canopy

- Measures percent coverage

- Monitors changes over time

- Provides opportunities to prioritize tree planting efforts in areas of need

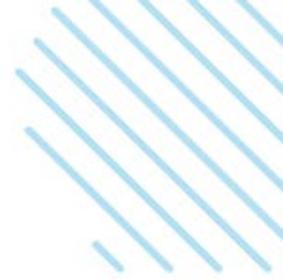- Better understanding of heat island effect throughout North Port

Wildlife

- Invasive species summary
- Wildlife reporting
- Conservation areas
- Sign placement
- Listed species permits

Storm Drainage

- The parameters of this scorecard are to be further discussed by the Environmental Advisory Board

- To be considered by the Natural Resources Division

- Natural Resources Division will be hiring a Floodplain Coordinator
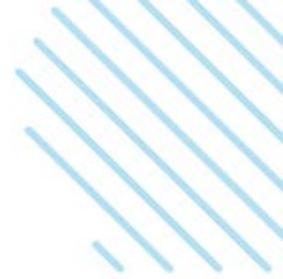
Other Scorecard Parameters

- Trees Donated
- Trees Planted by the City
- Community Educational Events Attended
- Citizens Engaged or Assisted
- Number of Inspections and Reviews

Conclusion

- Promote development that balances growth with environmental preservation
- Conduct regular assessments to track changes in environmental indicators.
- Potential to incorporate other parameters in the future
- Adjust goals based on new data and emerging environmental challenges
- Engage local residents and organizations to for suggestions and insights.

Thank you!

Questions?