

Overview

Natural Resource Management Approach & Plan

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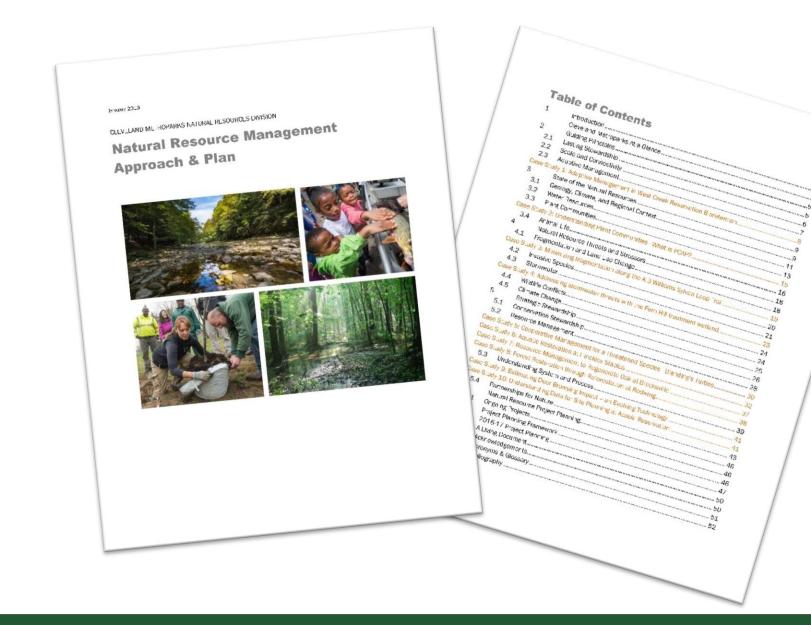
#### Natural Resources Mission



Enhance the ecological integrity of Cleveland Metroparks natural resources through adaptive ecosystem management based on sound, applied research.

#### Natural Resource Management Approach & Plan

- Align with 2020 Strategic Plan
- Guiding principles
- Natural Resource snapshots
- Stewardship strategy
- Project planning & prioritization





#### 2020 Strategic Plan Alignment







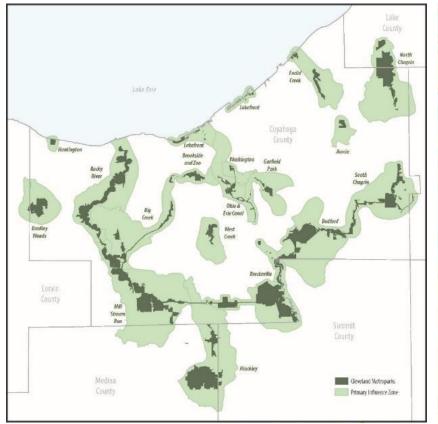




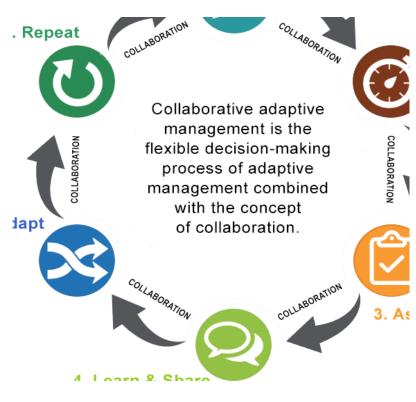


#### **Guiding Principles**

- Lasting Stewardship
- Scale & Connectivity
- Adaptive Management

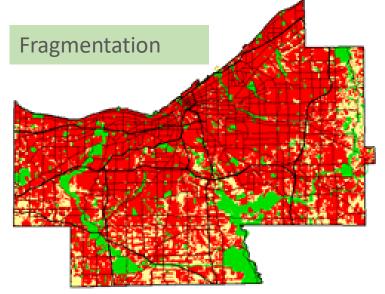






#### Stressors

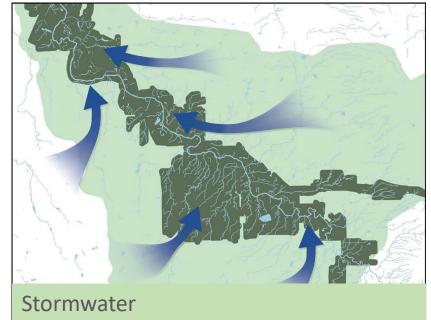




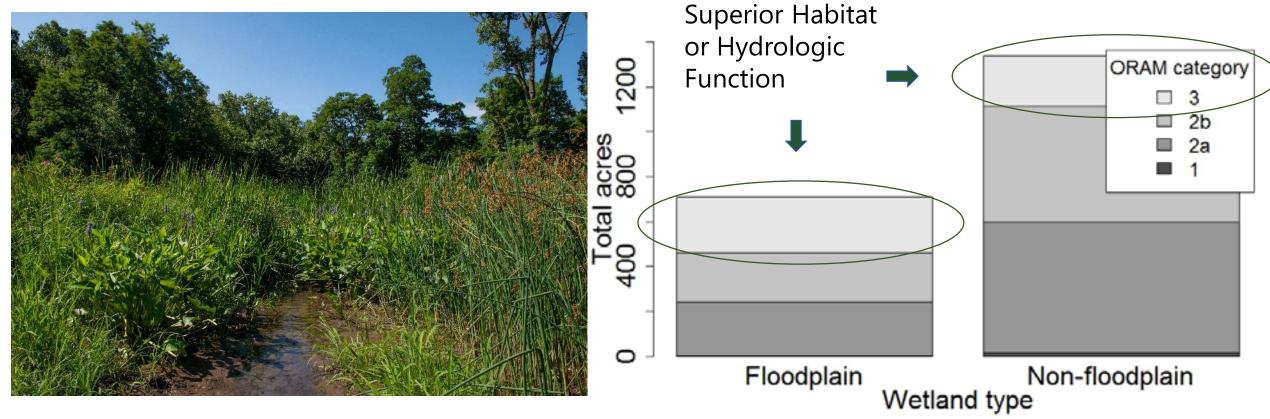








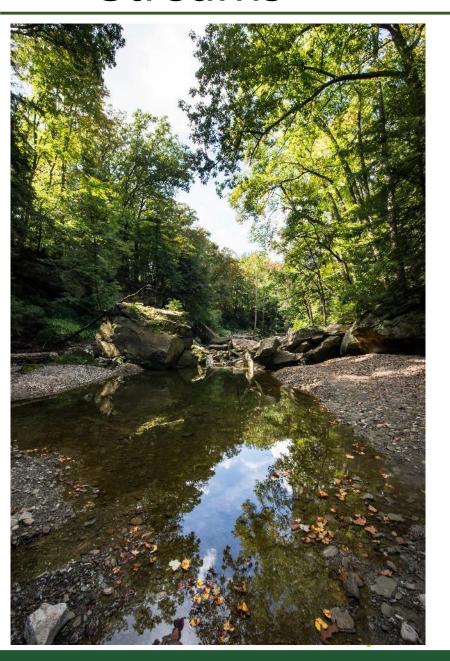
#### Wetlands



3,200 distinct wetlands mapped



#### Streams



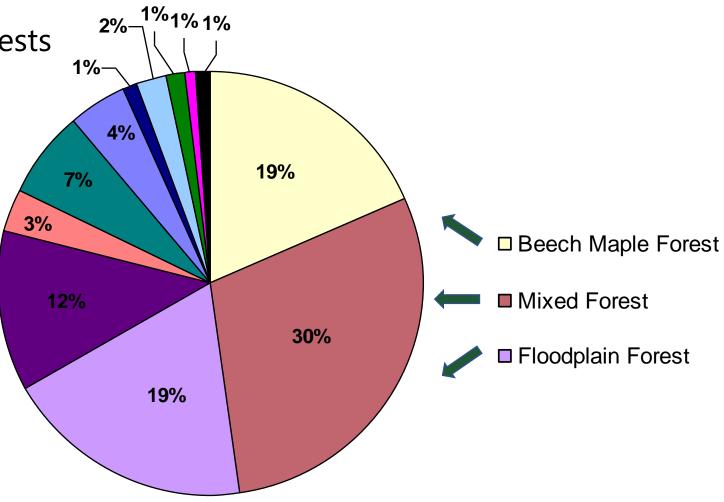


1,000+ primary headwaters surveyed

#### **Forests**

77% of our acreage covered by forests







#### Wildlife



















#### Insects & other Macroinvertebrates









137 insects & arthropods id'd in 1 day @ Roger's Rd meadow

### Rare Plants

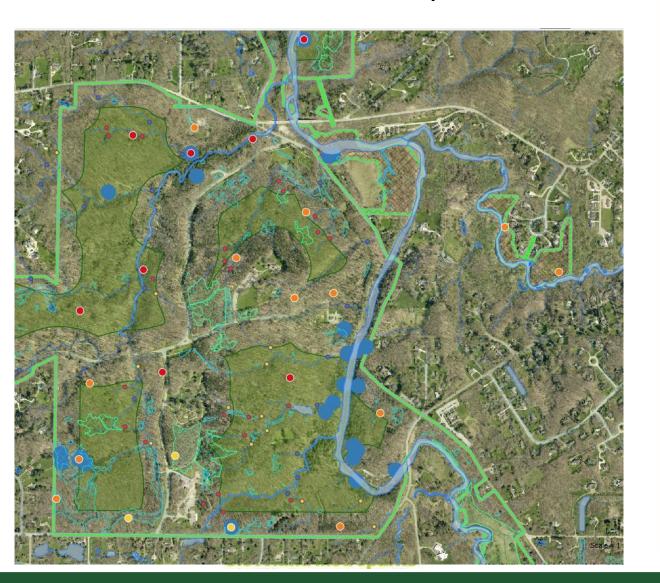
80+ rare plants id'd since 2012

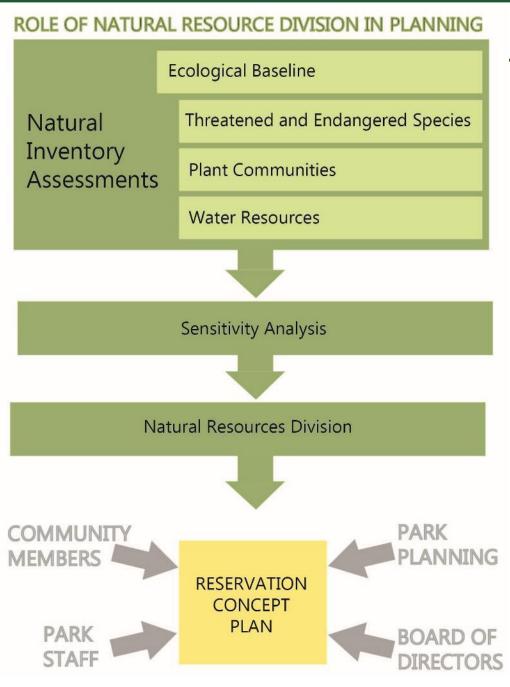






Conservation Stewardship





• Promote Ecosystem Resilience













Understand Natural Systems















Partnerships













### **Project Planning**

- Prioritization
  - Ecological Sensitivity
  - Urgency
  - Funding Opportunities
  - Partnerships
  - Feasibility
  - Strategic Goal Alignment



Table 9. Results of Natural Resource Division's 2016 Project Planning by Score

Project Locations/Activity	Ecological Sensitivity	Urgency	Funding	Partnerships	Feasibility	Strategic Goals	Project Score
Sunset Pond and Sanctuary Marsh Hydrilla control NORTH CHAGRIN	3	4	4	2	Y	Y	20
Pollinator habitat enhancement and connectivity, utility ROWs BEDFORD, ROCKY RIVER	4	3	2	3	Y	Y	19
Wallace Lake Hydrilla control MILL STREAM RUN	2	4	4	2	Y	Y	18
Blue Heron Marsh Hydrilla control OHIO & ERIE CANAL	2	4	4	2	Y	Y	18
Main Street Wetlands; protection, deer MILL STREAM RUN	4	3	2	1	?	Y	17
Bonnie Park dam remove/modification MILL STREAM RUN	3	3	3	2	Y	Y	17
Greathouse & Washout Wetlands Hydrilla control WEST CREEK	1	4	4	2	Y	Y	16
Former greens, tees and fairways; reforestation ACACIA	1	4	3	3	Y	Y	16
Euclid Creek headwaters; stream restoration ACACIA	1	4	3	3	Y	Y	16
East Branch Rocky River, Johnson Creek, Ledge Creek, Rising Valley, Mirror Valley; stormwater mitigation HINCKLEY	3	3	2	2	?	Y	16

# **Example Projects**













Thank you to Terry Robison, PhD & Pat Lorch, PhD for leading the development of this plan

Thanks to Kyle Lanzer for the majority of these photographs

Stay tuned for what's up next!