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# Getting Strategic with Nine-Element Nonpoint Source Implementation Strategies (NPS-IS)

**Presented By:**

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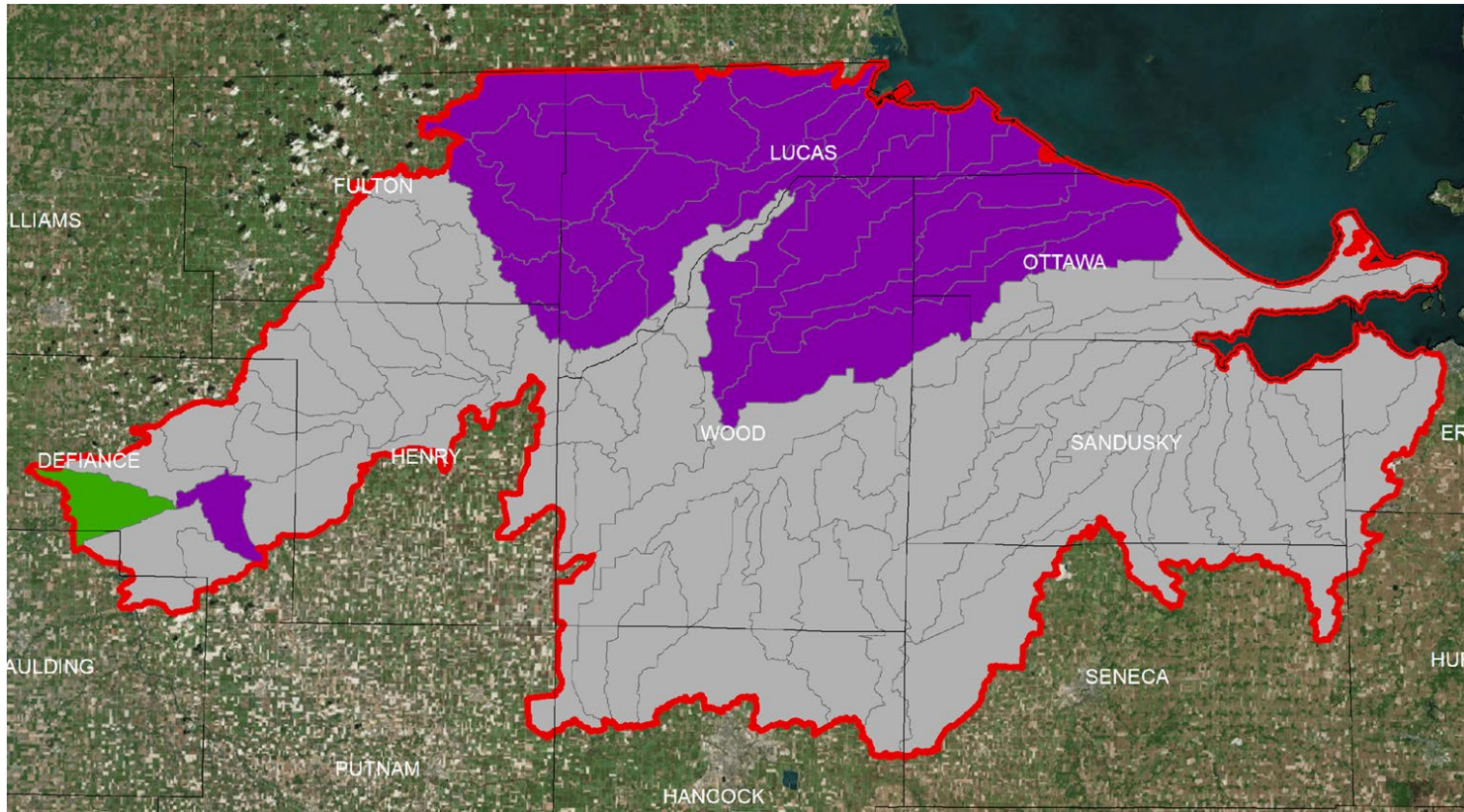
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**Prepared for:**

**OHIO STORMWATER CONFERENCE**

May 10, 2019

# Getting Strategic with Nine-Element Nonpoint Source-Implementation Strategies (NPS-IS)



- ▶ Introduction to NPS-IS
- ▶ Updating Process
- ▶ Regional stakeholder engagement and stewardship



# Nonpoint Source-Implementation Strategies (NPS-IS)

- ▶ **“A Nine-Element Nonpoint Source Implementation Strategic Plan (NPS-IS Plan) is a specific type of watershed based planning that will allow local entities to effectively propose and implement nonpoint source pollution projects...” – Ohio EPA, 2016**
- ▶ **NPS-IS ≠ WAP**
- ▶ **Focus on NPS impairments, primarily due to:**
  - Sediment
  - Nutrients
  - Hydromodification
  - Habitat alteration
  - Acid mine drainage
- ▶ **Meet the Nine-Elements**

- Urban Sediment and Nutrient Reduction Strategies
- Altered Stream and Habitat Restoration Strategies
- Nonpoint Source Reduction Strategies (Agricultural)
- High Quality Waters Protection Strategies



# What are the Nine Key Elements?

1. Identification of causes and sources of impairment
2. Estimate of load reductions needed
3. Description of management measures to achieve improvements
4. Technical and financial assistance and authorities needed
5. Public outreach/education component
6. Implementation schedule
7. Description of interim, measurable milestones
8. Identification of indicators to measure progress
9. Monitoring component



# NPS-IS Document

- ▶ Chapter 1: Introduction
- ▶ Chapter 2: HUC-12 Watershed Characterization and Assessment Summary
- ▶ Chapter 3: Critical Area Conditions and Restoration Strategies
- ▶ Chapter 4: Projects and Implementation Strategy

**Lower Toussaint Creek HUC-12  
Habitat Restoration Plan (HRP) and  
Nonpoint Source Implementation  
Strategic Plan (NPS-IS plan)**



**Prepared for:**  
Ottawa Soil and Water Conservation District

**Prepared by:**  
Civil & Environmental Consultants, Inc.  
Toledo, Ohio

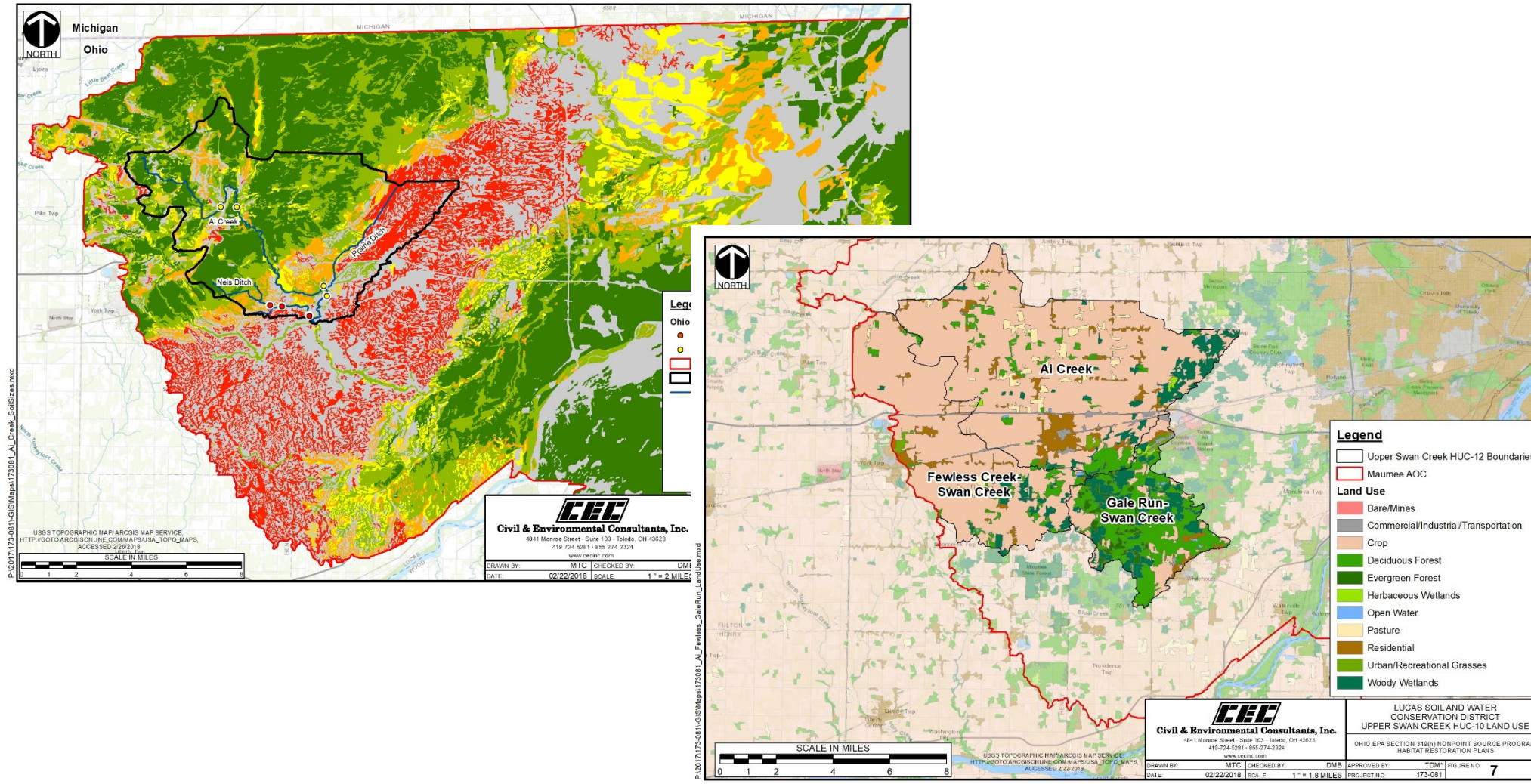
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# Chapter 1 and 2: Background Information and an Understanding of the Watershed



# Chapter 3: Critical Area Identification and Setting Goals and Objectives

**T**ogether

**E**veryone

**A**chieves

**M**ore



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# Chapter 4: Project and Implementation Strategy

## 4.3 Project and Implementation Strategy Overview Tables – Critical Area 3

Table 27. Lower Toussaint Creek HUC-12 (04100010 06 03)—Critical Area 3

Applicable Critical Area	Goal	Objective	Project #	Project Title (EPA Criteria g)	Lead Organization (EPA Criteria d)	Time Frame (EPA Criteria f)	Estimated Cost (EPA Criteria d)	Potential/Actual Funding Source (EPA Criteria d)
<b>Urban Sediment and Nutrient Reduction Strategies</b>								
<b>Altered Stream and Habitat Restoration Strategies</b>								
3	1-12	3	1	Wooded Riparian Corridor Enhancement	Ottawa SWCD, USFWS, ODNR	Short (1-3 years)	\$26,880	Ohio EPA §319, GLRI, SOGL
3	1-12	1	2	Wetland Hydrologic Enhancement/Restoration	Ottawa SWCD, USFWS, ODNR	Short (1-3 years)	\$75,000 - \$225,000	Ohio EPA §319, GLRI, SOGL
3	1-12	1,2	3	Navarre Unit Coastal Wetland Restoration and Fish Passage	USFWS, ODNR, Ottawa SWCD, DU	Short (1-3 years)	\$950,000	Ohio EPA §319, GLRI, SOGL, Maumee AOC MAP
3	1-12	1,2	4	Toussaint Wildlife Area Restoration-Phase III	TNC, ODW, DU	Short (1-3 years)	\$1,000,000	Ohio EPA §319, GLRI, SOGL, Maumee AOC MAP
3	1-12	1,3	--	Coastal and Forested Wetland Restoration Site 27	Conceptual (PCS DMDS)	TBD	\$2,648,000	Ohio EPA §319, GLRI, SOGL, Maumee AOC MAP
3	1-12	1,3	--	Coastal Wetland Restoration Site 30	Conceptual (PCS DMDS)	TBD	\$1,614,000	Ohio EPA §319, GLRI, SOGL, Maumee AOC MAP
<b>Agricultural Nonpoint Source Reduction Strategies</b>								
3	1-12	3	2	Wooded Riparian Corridor Enhancement	Ottawa SWCD, USFWS, ODNR	Short (1-3 years)	\$26,880	Ohio EPA §319, GLRI, SOGL
3	1-12	1	3	Wetland Hydrologic Enhancement/Restoration	Ottawa SWCD, USFWS, ODNR	Short (1-3 years)	\$75,000 - \$225,000	Ohio EPA §319, GLRI, SOGL
3	1-12	4,6	5	Agricultural BMP Incentive Program	Ottawa SWCD	Short (1-3 years)	\$75,880	Ohio EPA §319, GLRI, EQIP
<b>High Quality Waters Protection Strategies</b>								
<b>Other NPS Causes and Associated Sources of Impairment</b>								





# NPS-IS – Beyond Approval

## ► Outcomes – not just about the document

- Project eligibility for Nonpoint Source Funding (319, GLRI), and prioritization for other funding streams (Great Lakes Commission)
- Inform & leverage funding opportunities
- New partnerships/new ways of thinking



## ► “Living Documents”

- Adaptive Management: “As these objectives are implemented, water quality monitoring (both project related and regularly scheduled monitoring) will be conducted to determine progress toward meeting the identified goals (i.e., water quality standards). These objectives will be reevaluated and modified if determined to be necessary.”
  - Ohio EPA, 2016
    - Updated: Projects added as they become more developed.
    - New Data: As it becomes available.

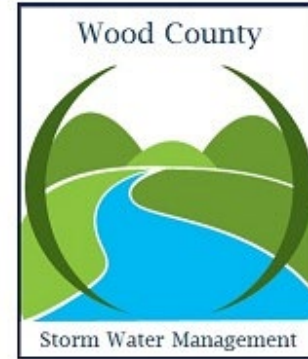


# TMACOG 9-Element NPS-IS Advisory Group

- ▶ **Goal: Work with local stakeholders to develop a process for regional coordination of nine-element plan updates and maintenance**
  - Provide a forum for stakeholder communication
  - Identify stewards for existing plans
  - Determine a planning area
  - Prioritize HUC-12s for plan update and development
  - Provide information through a workshop and web-based materials



# Advisory Group Members



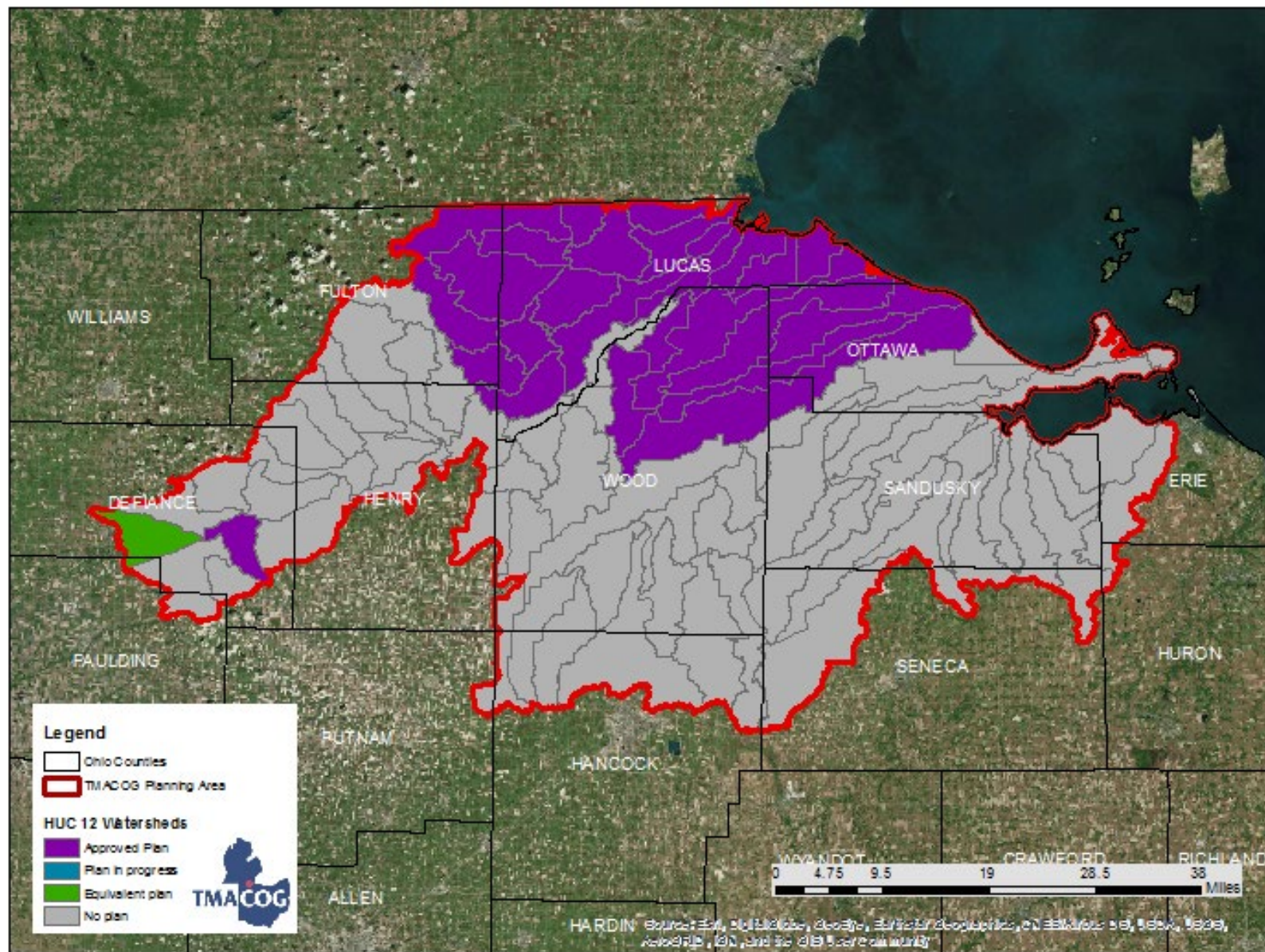


# Work Completed To Date

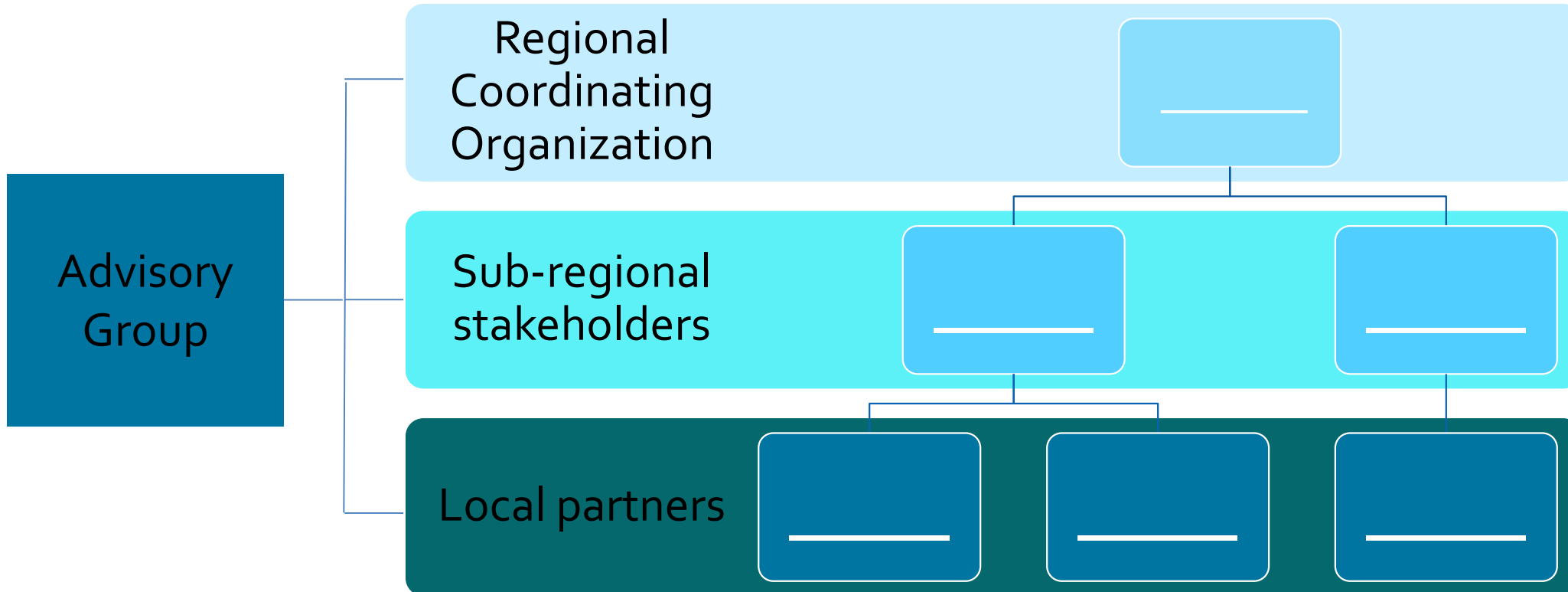
- ▶ **Approved a planning area**
- ▶ **Developed a network structure for updates and development**
- ▶ **Set a timeline for moving forward**
- ▶ **Chose criteria for prioritization**
- ▶ **Planned a stakeholder workshop**



## TMACOG NPS-IS Planning Area



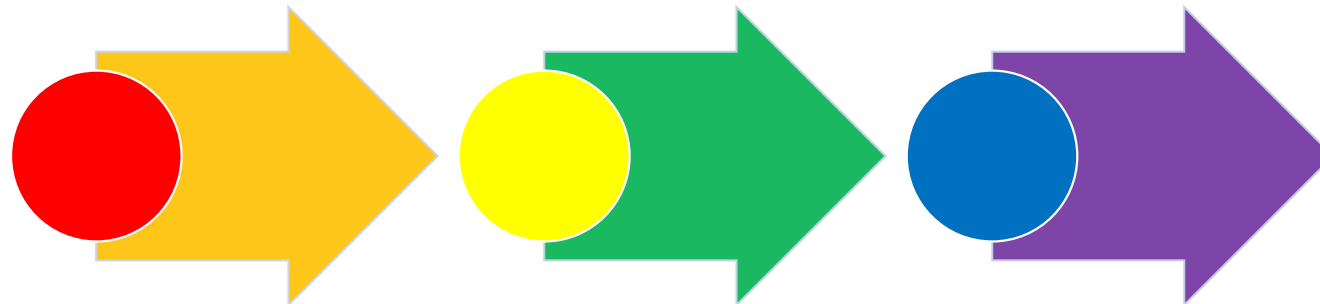
# Update and Development Network





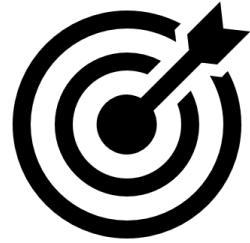
# Timeline for Plan Assessment, Update, Development

- ▶ **The advisory group will meet quarterly, with flexibility to respond to funding or other opportunities.**
- ▶ **Need to choose a communication platform**
- ▶ **Prioritized plans may fluctuate based on funding or partnership opportunities**

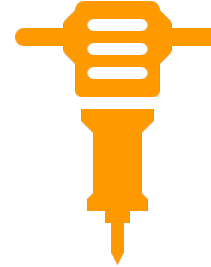




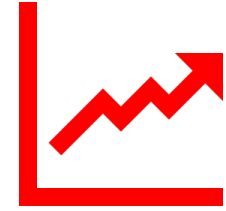
Available  
Funding



Targeted  
Watersheds



Shovel  
Ready  
Projects



New  
Data

**How will we prioritize plan updates and development?**



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# Regional Stakeholder Workshop

- ▶ **May 22, 2019**
- ▶ **Establish stakeholder communication network**
- ▶ **Discuss plans in progress, plans that need to be updated, plans that should be developed**





# Moving Forward

