



# **Building, Empowering & Sustaining State, Regional and Tribal Water Monitoring Councils and Water Monitoring Partnerships and Alliances**



# Inventory of Councils

## To Input or Update:

- 1) Go to site
- 2) User name, password
- 3) Four sections, can enter in shifts

<https://infotrek.er.usgs.gov/apex/f?p=207:101>

This is on handout

User Name: reg\_council

Password: Council4u



# Inventory of Councils

## To View or Download

- 1) Go to site
- 2) User name, password
- 3) By individual council or 1? For all

<https://infotrek.er.usgs.gov/apex/f?p=207:28>

User Name: reg\_council

Password: Council4u



# Inventory of Councils

## Inventory Categories

1. Primary Information
2. Composition, Scope and Initiation
3. Finances
4. Leadership
5. Objectives



# Inventory of Councils

## Completed Inventory (12)

Ohio Resource Council, Water Monitoring Work Group

NJ Water Monitoring Council

Colorado Water Quality Monitoring Council

California Water Quality Monitoring Council

Florida Water Resources Monitoring Council

Lake Michigan Monitoring Coordination Council

North Dakota Water Quality Monitoring Council

Maryland Water Monitoring Council

New England Regional Monitoring Collaborative

Virginia Water Monitoring Council

Wisconsin Groundwater Coordinating Council

Indiana Water Monitoring Council



# Inventory of Councils

## Have Not Completed....Yet

Utah Monitoring Council

Chesapeake Bay Program

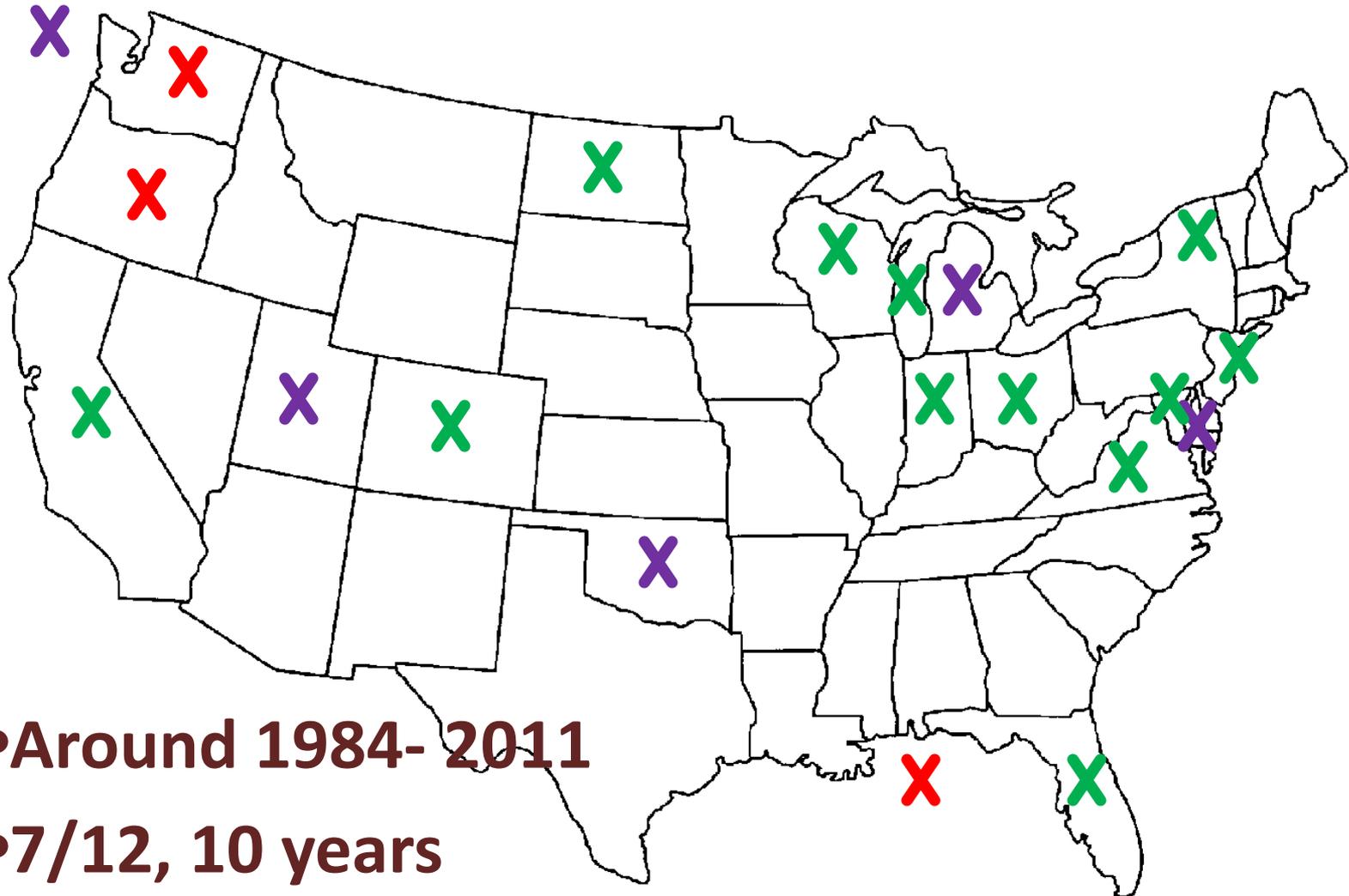
Michigan Clean Water Corps

National Tribal Water Council

Oklahoma Water Quality Monitoring Council

\*\*Oregon, Washington, Gulf

# Inventory of Councils



• Around 1984- 2011

• 7/12, 10 years



# % Composition

- Everyone had state involved, only category so
- NE-5 and WI-65 (state range)
- 2 did not have state “leads”
- 11/12 federal, local & academia composition also (CA s,p,np, public)

TYPES	#Avg
State	28
Federal	16
Local	14
Tribal	0.2
Landowner	0
Academia	25
Special District	11
Private	13
Non Profit	10
Other	8



# % Composition

- Next highest and close to state= Academia
- Range FL=5 to NE=90

TYPES	#Avg
State	28
Federal	16
Local	14
Tribal	0.2
Landowner	0
Academia	25
Special District	11
Private	13
Non Profit	10
Other	8



# % Composition

- Only one had tribal representation –CO
- Value may vary West vs East and land ownership
- Missing Tribal Water Council Perspective
- NO ONE involved landowners
- However (FS, BLM, State not distinguished as LO)

TYPES	#Avg
State	28
Federal	16
Local	14
Tribal	0.2
Landowner	0
Academia	25
Special District	11
Private	13
Non Profit	10
Other	8



# % Composition

- 7/12 involved Non Profits
- 7 of 12 had Special Districts or private
- 8 “Other” included public, intergov, interstate, scientific community
- CO most diverse, CA & NE least diverse using these categories
- Avg = 5 areas, range 3-9
- Reflects mission and objectives

TYPES	#Avg
State	28
Federal	16
Local	14
Tribal	0.2
Landowner	0
Academia	25
Special District	11
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# Geographic Scope

- **10 focus statewide**
- **1 interstate/regional**
- **1 multi-basin, larger watershed**



# Mandate To Start

- **7 Top-Down Effort**
  - **1** - State of Federal Initiative, Legislative Mandate (no \$)
  - **2**- State Legislation/statute (no \$)
- **3 Combo if Grassroots and Above**
- **2 grassroots up**



# Driver To Organize

- Lack of M & A Coordination and reporting
  - Inconsistent Monitoring Objectives, Assessment Strategies & Methods
  - Perception not all available data is used
  - Lack of single place, accessible data with ease, reduce duplication
  - Decrease funding across entities increased collaboration need
  - Support to save gage network
  - Need for systematic information on meta data
  - Provide guidance, consistency
  - Forum to communicate, collaborate, discuss, coordinate
  - Ability to address groundwater contamination
- 
- All still have the goal to collaborate, share data, foster communication
  - 7 have evolved scope from initial



**Affiliated with State  
CWA Monitoring Prgm**

**1 Indirectly (CO)**

**All other 11 Directly**



# Who Does the Work?

Who	Number	Comment
Paid Staff	8 /12	6 of those were $\leq 0.5$
		Coor, Tech Tasks, Record Keeping, admin
Volunteers	4 /12	0-30 Range      Leaders, members
Members	10/12	3 (ND) -300 (MD)      Average 64
		Participate in Committees, events
		Develop Recom, provide data/info
		Outreach, implement project
		Provide purpose, knowledge
		Provide training, assistance, mentor
		Develop internet portals, use products
Others	4/12	Develop Portals, all data users, event attendees, topics Range 7 - 450



# Income Source

Source
Fed
State
Tribal
Fees
Municipal
Special District
Industry
Academia
Non Profit
Foundation

- **#1 Source - 4 Feds, 7 State, 1 Municipal**
- **10 / 11 – had state/fed \$, 1 did not record ANY \$ source**
- **0 - \$ from Tribes or Foundations**
- **Diversity –**
  - 4 used only 2 sources
  - 5 used 3 sources
  - 1 used 6 sources
- **No group used all sources**
- **1 “other” source annual conf, spons**



# Estimated Costs

Number	Estimated Budget Range
1	\$250,000 - \$499, 999
3	\$75,000 - \$99,999
1	\$10,000 - \$24,999
5	<\$10,000
4 reported also	Don't Really Know

**If don't know costs, hard to know what to raise**



**% In Kind / Cash**

**7 of 10 Depended Upon *in Kind***

**Ranged from 50 -100%**

**5 of 10 Depended Upon *cash***

**Range from 15 - 50%**



# Financial Structure

#	Type	Role
2	Formal	<p><b>-Contractual, legislation provides permission, EPA funding until state recovers other</b></p> <p><b>-Tax exempt status to rc' dues</b></p>
6	Informal	<b>Fiscal agent, agency provides, grants, no need state does it</b>
3		<b>didn't describe</b>
		NO ONE REQUIRED DUES – 1 in process (IA)
		One group in process 501c(3) because existing structure didn't work (VA)



# Leadership **Selection**

- (1) Recommend by Agency Staff, appointed by state EPA/DNR
- (5) Self Select or volunteer
- (1) Chair asked by agency, others nominated by peers
- (1) if help get grant get a say
- (2) Steering Committee considers new members
- (1) annual elections

**ALL VOLUNTEERS**



# Leadership **Structure**

- **5** – Co-Chair Model, from key lead orgs, with board, group, members or subcommittees
- **2** Uses one Chair
- **3** no formal leadership, working group, owners of grant or lead w/in state agency
- Leadership Team, Members, Board, Steering Committee = rest of leadership (8-25 people)



# Leadership Organized by a Group

#	Type of Group
1	By Waterbody Type (Wetland, Estuary, Streams/River/Lakes, Swimming safe, Aq Life Consumption)
1	Tech Adv, Outreach, Leadership, Monitoring, Sustainability
1	Indicators, M & A, Annual Conf, Info Mngt and Comm, Community Outreach
1	Communications, Data clearinghouse, Research/Ed/Outreach



# Decision Process Re: **Administration**

Type	Number of Orgs
Dictator	
Majority Vote	(2 <sup>nd</sup> most common tied)
Executive Committee	1 (2 <sup>nd</sup> most common tied)
Roberts Rule	
Consensus	
Consensus-1	3 (most common used)
<b>Other</b>	
Mix	5 (function of decision), majority vote, C-1, Excom, Roberts Rules, consensus
No Process	2 No\$, no administration



# Decision Process Re: Programmatic

Type	Number of Orgs
Dictator	
Majority Vote	
Executive Committee	
Roberts Rule	
Consensus	
Consensus-1	
Other	2(function of grant obj or no prgrms)
Mix	11 (function of decision), majority vote7, use C-1, Excom, census4, Roberts Rules2



# Leadership Meeting Frequency

Frequency	# of Orgs
Monthly	1
Bimonthly	3
Quarterly	2
Annual	2
Other	3
	In Development
	3 times per year
	When need to



# Leadership Meeting Frequency

## Comments on Meeting

Subcommittees meet more

Annual events, other activities count

Primarily in person, 1 used telecalls as primary mode due to geographic distance, 1 used webinars monthly

In person frequency < total meeting frequency



# Leadership Meeting Purposes

## Purpose

Coordination of reports/data

Leadership Functions, admin, plan,  
collaborate

Engage others, discuss projects, share  
information, fellowship



# Program Objectives

- 4 had multiple goals
- 2 are still deciding, in development
- 1 facilitated or commented on Fed M & A plans
- 1 coordinated workshops and summits to comment on state M & A plans
- 6 commented help do all or most indirectly, role is to help others do it on their own
- All participants in Org do this work



# Program Objectives

Help Meet These Obj	Number of Orgs
Federal	3
Regional	4
Non Profit	4
State	5
Local	3
Private	2
<b>Tribal</b>	<b>0</b>
Academia	2
Stakeholder	4

**2-7 Range, no one had a singular objective**



# Program Objectives

## Products/Services

Services	Number of Orgs
Validate Data	7 Yes and 4 No
Assess Future Needs	6 Yes and 5 No
Conduct Own Eval	6 Yes and 5 No
Newsletter	1
Webinars	3
Tech Analyses	3
Mentoring	5
Info Forums	6
Advisory	3
Clearing House	4
Collective Database	2



# Program Objectives

## Products/Services

Services OTHER	Number of Orgs
Theme based Web Portals	CA
Data SWAPS – Fact Sheets	CO
Email Blasts	VA
Podcasts	0
Social Media	Not on questionnaire



# Program Objectives

## Data Products

Products Around Data	Number of Orgs
Summary Stats	2
Advanced Stats	1
Graphing Capacity	2
Data Clean Up	1
Station Gap Analyses	1
Trend Analyses	2
Mapping Tools	5
Other	State summary of various indicators



# Program Objectives

## Data Products

- **1 Program provided all data products listed in last slide, assessments done by diff groups (CA)**
- **3 Did not respond, in development**
- **2 whose Data Objective is to provide comprehensive data FOR others to do these data functions own versus do AS a council**



# Program Objectives

## Reporting Products

Reporting Products	Number of Orgs
Dev Tools	3
Provide Tools	4
Have Reports on site	5
Webportals to Access	2
Have Tips	1
Host Forum	7
Use GIS	4
Other	?



# Program Objectives

## Reporting Products

- Many in development or goal
- Goal is to provide data for others to report vs report as a council
- 1 no reply
- Most had 2 or greater tools, 3 only had 1 tool (tips or host a forum)

Note more emphasis on reporting products vs data products other than a common database or exchange



# Program Objectives

## Data Exchange

Reporting Products (3 no response)	#of Orgs
Provide Collective Dbase	2
Provide training	3
Host a data exchg	6
U ARE a EPA STORET Node	1
U are an up/download node	1
Host webinars for exchg	6
Provide data (vs dbase)	2
Facilitate data exchg	6
Conduct dbase work	1
Other	0



# Program Objectives Trainings – 6 Councils

- Bioassessment, bugs, physical condition, stream habitat inventories
- QAQC, data management
- Data presentations
- On site NPS Evaluation
- WS Natural Resource Inventory
- Wetland Mapping
- Monitoring and Assessment methods
- How use Council data management system
- Comparison of WQ Chemistry Collection Methods
- Stream flow measurement, vernal pools
- Innovative methods



# Program Objectives

## Do you participate in Federal Legislation?

YES	2
NO	9

Members do, not Council, Council helps members

## Do you participate in State Legislation?

YES	0
NO	11

May in Future, not directly but through members. or WILL NOT EVER



# Why does this matter to NWQMC?

- Helps others get support not reinvent wheel, see not alone
- Part of our target audience
- Help us best serve that audience
- Utilize for products, webinars, newsletters, etc.
- If need these groups can be our allies



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