

2018 ASSESSMENT METHODOLOGY Stakeholder Workgroup Session 1

ADEQ Office of Water Quality
Planning Branch

December 1, 2016



Arkansas Dept. of
Parks and Tourism

Welcome

- Welcome to the first of a series of Stakeholder Workgroups to review the Assessment Methodology for the 2018 assessment cycle.
- After a short presentation we will begin our discussions.

Housekeeping

- Bathrooms are to either side of elevator when you first enter the building
- In case of fire, use side door
- Coffee is provided in back of room, please dispose of trash appropriately
- Meeting from 9:00–12:00; we'll need to conclude on time
- Sign in and sign out at front desk

Please be Courteous

- Be on time, for start and breaks
- Keep discussions relevant to the topic at hand
- Remain respectful of all opinions
- Silence cell phones and take emergency calls in hallway

So that all can hear

- Please use microphones
- Speak one at a time
- Avoid side conversations
- Announce your name before you speak for participants calling in



Timeline for Revision

- Public Listening Session Oct 11, 2016
- Input Period Closes Oct 31, 2016
- Provide Summary of Input Nov 2016
- Stakeholder Workgroup Dec–Jan 2017
- Provide Summary of Input Feb 2017
- Public Notice March 2017
- Response to Comments April 2017
- Finalize Methodology May 2017

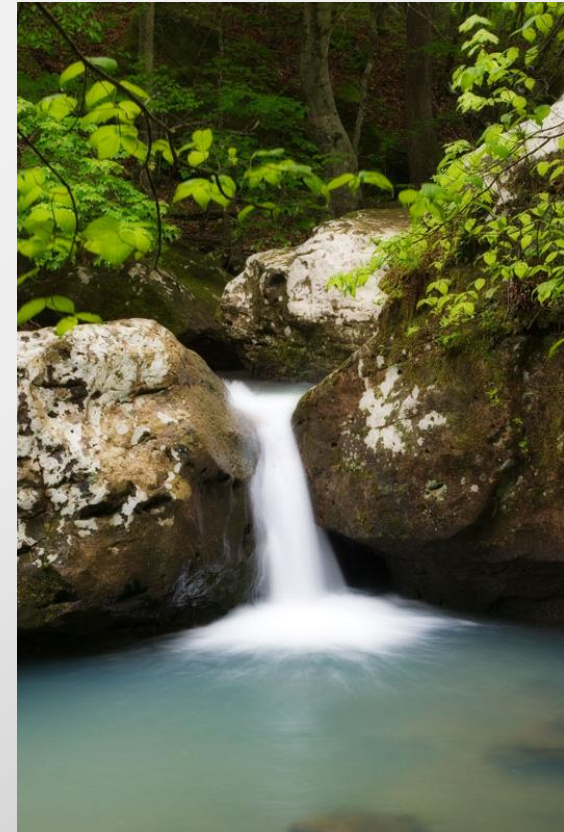
What is the Assessment Methodology?

- Every two years ADEQ must assess the waters of the State to determine if they are:
 - supporting designated uses
 - attaining water quality criteria
- The Assessment Methodology contains procedures for this assessment



What is the Assessment Methodology?

- Prepared by ADEQ staff
- Must be consistent with Reg. 2
- Must be scientifically based
- Assessment outcomes determine:
 - Attainment
 - Non-Attainment



Clean Water Act Requirements

Defines Water Quality goals
40 CFR 130.3 and 131



Adopt Water Quality Standards

Data collection based on need
40 CFR 130.4



Monitor Waters of the State

Determines attainment
40 CFR 130.8



Assessment

Identifies Quality Limited Waters
40 CFR 130.7(b)(1)



List Impaired Waters
303(d) List

Defines Waste Loads
40 CFR 130.7



Develop TMDLs

Implementation
40 CFR Part 122

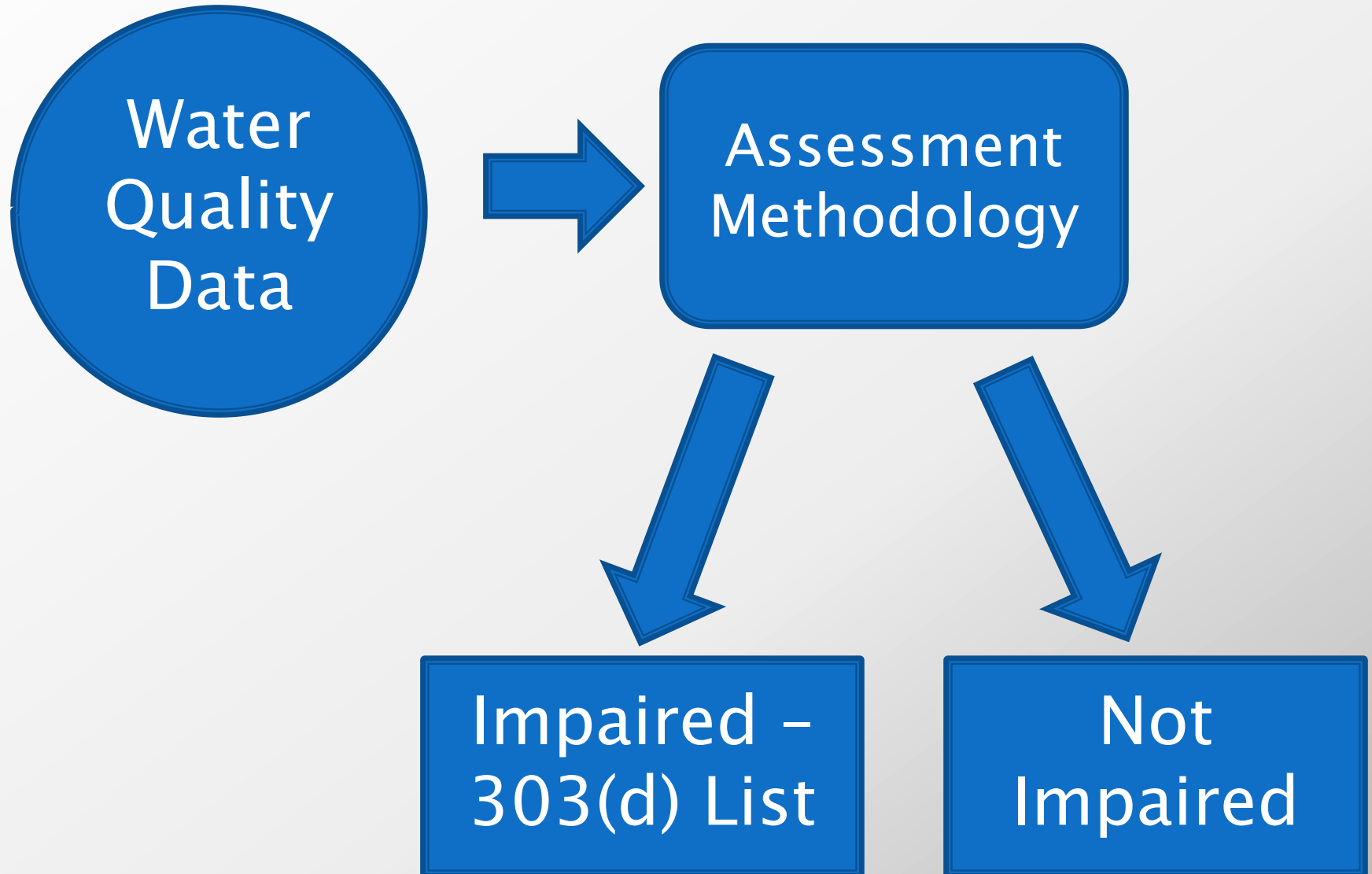


Develop Permit Limits

305(b) Integrated Report



Assessment Process



Assessment Example: pH

- pH Standard in Reg. 2.504
 - *pH between 6.0 and 9.0 standard units are the applicable standards for streams.*
- Assessment Methodology
 - Stream ...segments will be listed as non-support ... when a variance from the pH standard ... (occurs) in more than 10% of the total samples within the period of record.

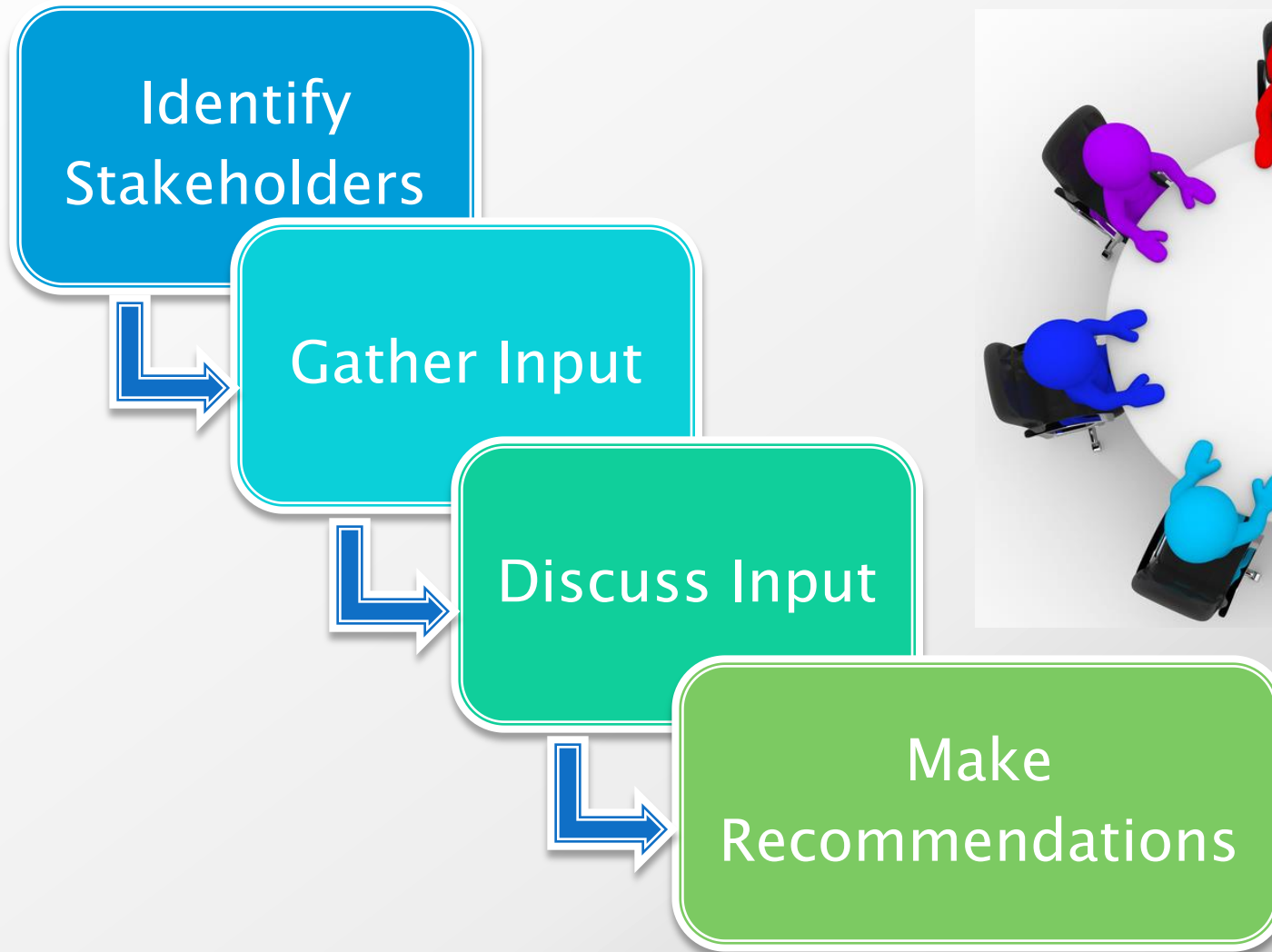
Assessment Example: pH

- Example Data Set

Date	pH Result
2/12/2014	6.3
4/15/2014	5.7
6/18/2014	6.0
8/11/2014	6.2
10/14/2014	5.5
12/16/2014	5.4
2/10/2015	6.7
4/8/2015	6.3
6/13/2015	6.4
8/14/2016	6.0

- The pH water quality criterion is 6.0–9.0.
- 3 of the 10 (greater than 10%) samples are outside the criterion.
- If these were the only qualifying data available for this waterbody, it would be listed on the 303(d) List of Impaired Waterbodies.

The Stakeholder Process



The Stakeholder Process

Identify Stakeholders

- ADEQ sought stakeholders from:
 - Local, State, and Federal Government entities
 - Industrial, Municipal, and Utility entities
 - Conservation and Environmental entities

The Stakeholder Process

Gather Input

- Input period September 22 – October 31, 2016
- Listening Session October 11, 2016
- ADEQ compiled relevant comments from the previous listing cycle

The Stakeholder Process

Discuss Input

- Discussions will follow the current layout of the Assessment Methodology
- Should remain on topic and relevant
- Stakeholder input is critical to achieving process goals

The Stakeholder Process

Make
Recommendations

- Stakeholder group should provide ADEQ with recommendations for revising the 2018 Assessment Methodology
- Recommendations can be changes, clarifications, additions, or deletions to the current methodology

Stay Involved

Website devoted to the 2018
Assessment Methodology review

- Sign up for listserv
- Keep up to date with review timeline
- Review 2016 Assessment Methodology
- Access relevant documents

https://www.adeq.state.ar.us/water/planning/integrated/assessment/

The screenshot displays the ADEQ website interface. At the top is a dark brown navigation bar with links: Home, Databases, Divisions, Inspectors, Licensing, Permits, Regulations, and Contact Us. Below this is a breadcrumb trail: Home / Divisions / Water / Planning / Integrated / Assessment.

The left sidebar contains several menu items: Water Division (with sub-links for Resource Library and Acronyms & Definitions), Water Quality Planning (with sub-links for AquaView, Reports & Data, Presentations, and Publications (Variety)), Regulation 2 - Water Quality Standards, Criteria Development, Surface Water Monitoring Program, and Integrated Monitoring and Assessment Report (including 305(b), 303(d), and TMDLs). The '2018 Assessment Methodology Review' item is highlighted in a darker blue.

The main content area features the title '2018 Assessment Methodology Review'. The text explains that Section 305(b) of the Federal Water Pollution Control Act requires states to perform a comprehensive assessment of water quality every two years. It details the assessment process, including monitoring data for compliance with APC&EC Regulation 2, and mentions that Arkansas' waters are evaluated against specific standards and designated uses. A 'Drop Down Menu' callout points to a 'Related Documents' section which lists '2016 Assessment Methodology' and 'Coming Soon: Phase I' with a bullet point for 'Public Listening Session Press Release' dated September 22 - October 31, 2016.

On the right side, there is an 'Assessment Methodology Review Contact' section with contact information for Sarah Clem (501-682-0660) and a link for 'Questions or Comments?'. Below this is an 'Email Updates' section with a 'Subscribe' button. A 'List serve' callout points to the 'Email Updates' section.

At the bottom right, the ADEQ logo is displayed with the text 'Arkansas Department of Environmental Quality'.

Questions about today?

Photo: Marysia Jastrzebski



ADEQ
A R K A N S A S
Department of Environmental Quality