

Ohio EPA Update

ORSANCO
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George Elmaraghy, P.E.

Division of Surface Water Program Update

- ◉ Current News
- ◉ Aquatic Life Use Goals
- ◉ Biocriteria Approach
- ◉ Ohio River Basin Facilities Update

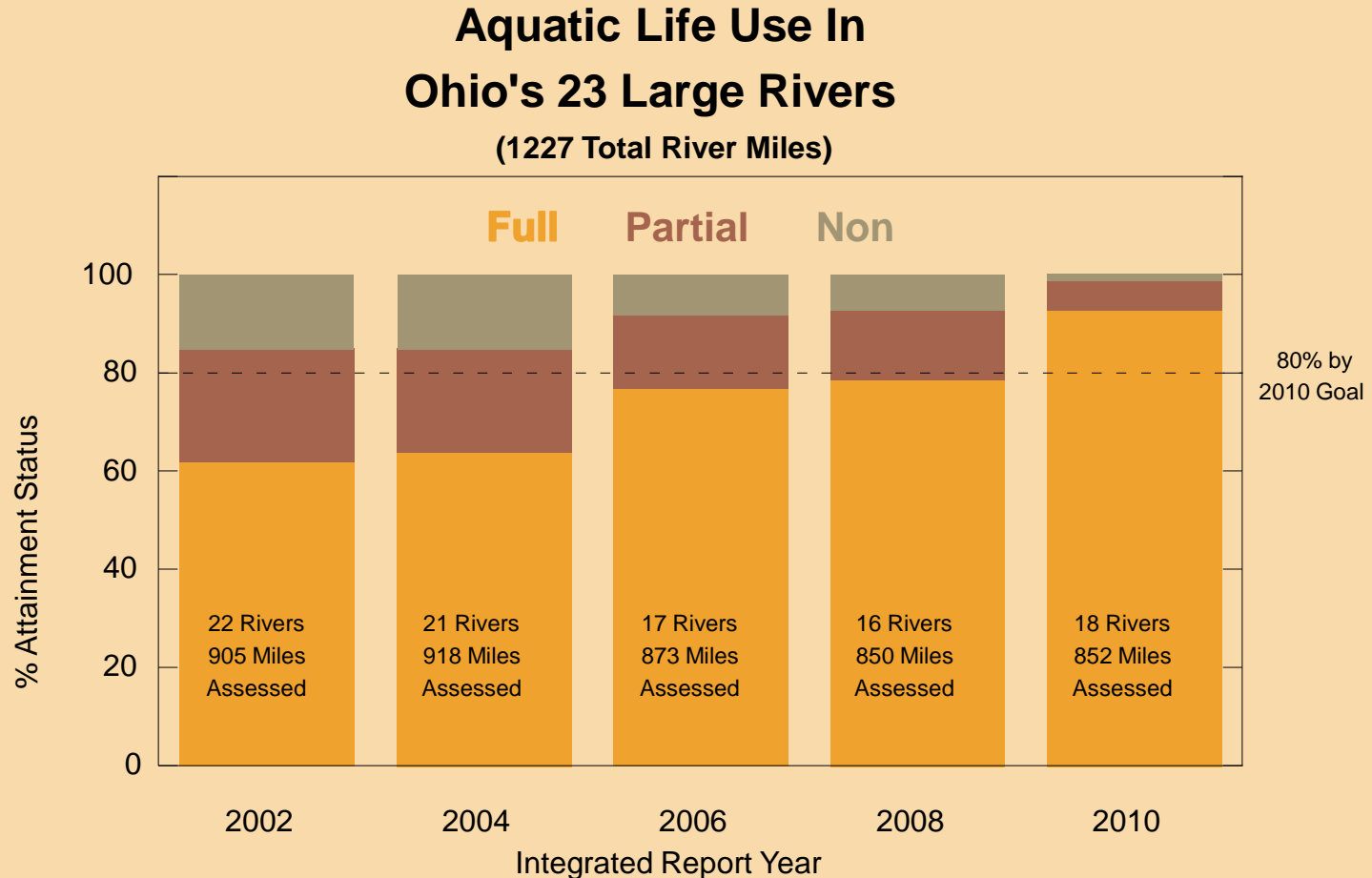
Current News

- Recreational Use Rule changes effective 3/15/10
 - Retaining the fecal coliform criteria for the Ohio River
- Draft 2010 Integrated Report released for comment
 - See following slides
- Nutrient Standards Update – Interested Party Review this summer

Wrap-up of Ohio's 80 by 2010 Aquatic Life Use Goal and Proposed 2020 Goals



80% by 2010 Goal Met for Large Rivers



Overall Goal Results

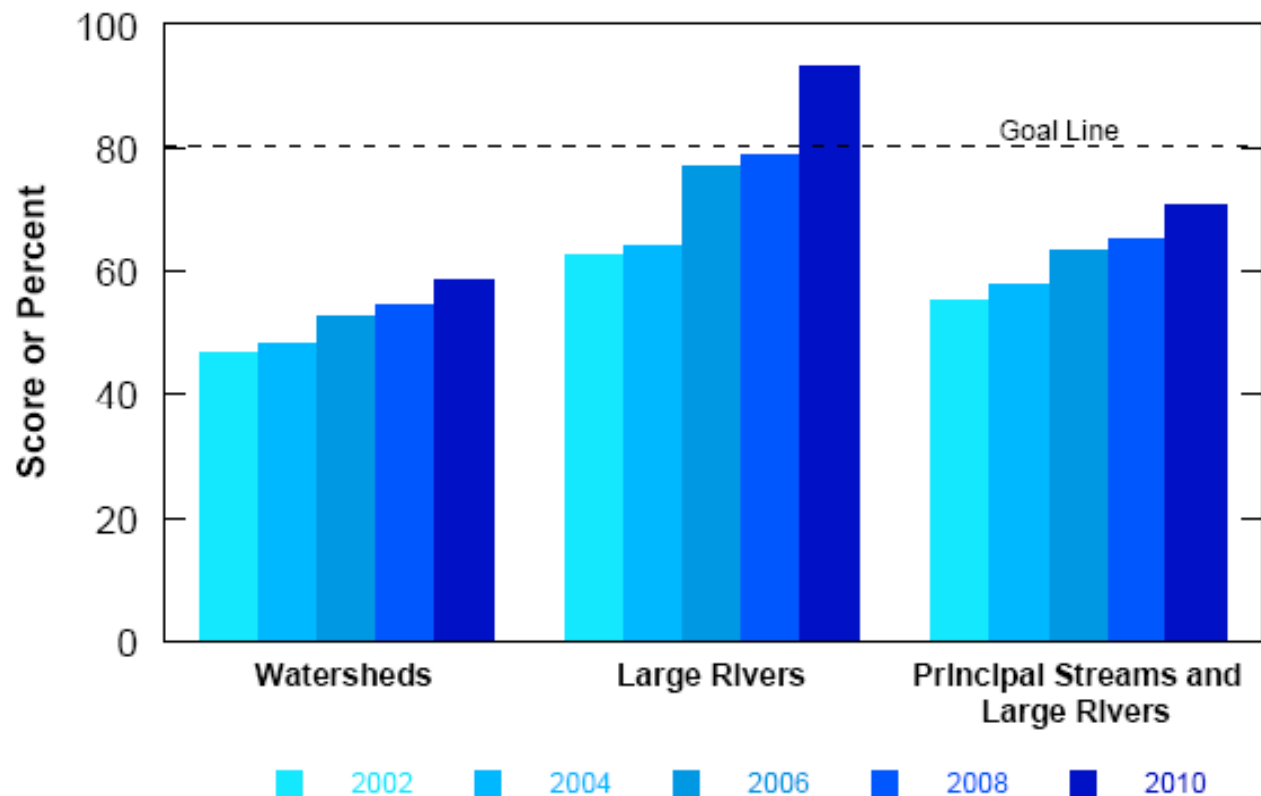


Figure A-7. Final accounting of the “80 by 2010” aquatic life use goal.

New Goals for a New Decade

In 2010 IR, Ohio EPA proposes new water quality aquatic life use goals for 2020:

● Primary Goals

- 100% full aquatic life use attainment in all 23 large rivers
- 80% full aquatic life use attainment at wading and principal stream and river sites ($>20 \text{ mi}^2$ and $<500 \text{ mi}^2$)

Biocriteria Approach

Weight of Evidence
vs
Independent Applicability

Weight of Evidence vs. Independent Applicability

A Quick Comparison

❖ Weight of Evidence:

- ✓ Evaluation of all available data to make most informed decision

❖ Independent Applicability:

- ✓ All three tools are given equal weight

Weight of Evidence vs. Independent Applicability

The Costs to Achieve a Healthy Stream

- **Weight of Evidence:**
Can lead to lower cost alternatives that achieve healthy streams
- **Independent Applicability:** Can lead to “fixes” that were not necessary, leading to higher costs to achieve healthy streams.



Applications of Weight of Evidence

- ◉ Establishing NPDES permit effluent limits
 - Rare for toxic pollutants
 - Key for upcoming nutrient criteria
- ◉ Determining aquatic life use attainment for the Integrated Report

Facility Updates

Jefferson County

- First Energy – Sammis installation of FGD scrubbers & WWTP for chloride purge streams nearing completion. Organosulfide treatment with continuous backwash filters installed for heavy metal removal.
- Toronto – started 1st separation project in effort to eliminate all CSOs by 12/31/13. OEPA should receive PTI for Phase II of LTCP soon.
- Mingo Junction – LTCP incorporated into NPDES permit (eff. 6/1/09). Phase I will eliminate Lower Church Hill CSO & be completed by 11/1/10.

Facility Updates

Belmont County

- ◉ Water quality studies in summer 2009 include Sunfish Creek, Captina Creek, & McMahan Creek.
 - Sunfish & Captina Creeks show high quality with only isolated issues
 - McMahan Creek shows impairments related to acid mine drainage

Facility Updates

Monroe County

- ◉ ORMET – DFFOs issued 12/22/09.
 - Require addressing NPDES violations (pH, cyanide, chlorine, copper, nickel, aluminum) through a compliance plan.

Facility Updates

Meigs County

- AMP Ohio – announced in Dec 2009 project determined to be economically unfeasible. AMP Ohio may request withdrawal of NPDES permit in near future.

Facility Updates

Lawrence County

- ◉ Union-Rome – new 2.2 MGD MRB plant on-line at end of Dec 2009.
- ◉ Irononton – joint CO with U.S. EPA finalized. City required to separate combined system in 18 yrs. Started sewer lining project of entire collection system in Nov 2009.

Contact Information

- ◉ Email:

george.elmaraghy@epa.state.us.us

- ◉ Phone: 614-644-2001

- ◉ Fax: 614-644-2745

- ◉ DSW Website:

<http://www.epa.ohio.gov/dsw>