

Recreational Use Survey

Status of Survey

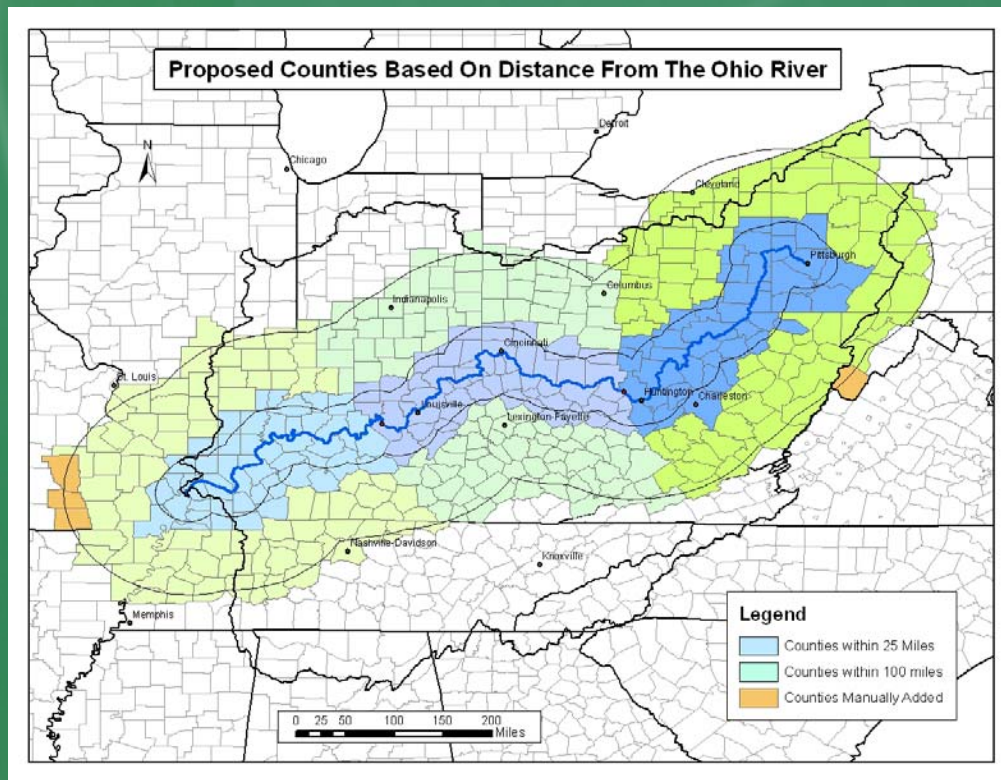


Survey Objectives

- **QUANTIFY RECREATIONAL USES**
 - No. of annual swimming events (boating, fishing, skiing, etc...) for every 10 mile segment.
- **WHEN IS THE RIVER USED?**
 - Current bacteria standards apply May-October.
 - Is this timeframe appropriate?
- **IF AND WHEN IS THE RIVER NOT USED FOR RECREATION?**
 - High flow, temperature, rain, etc...

Survey Design

- 5102 random telephone surveys completed.
- 3,865 inner zone; 1,237 outer zone.

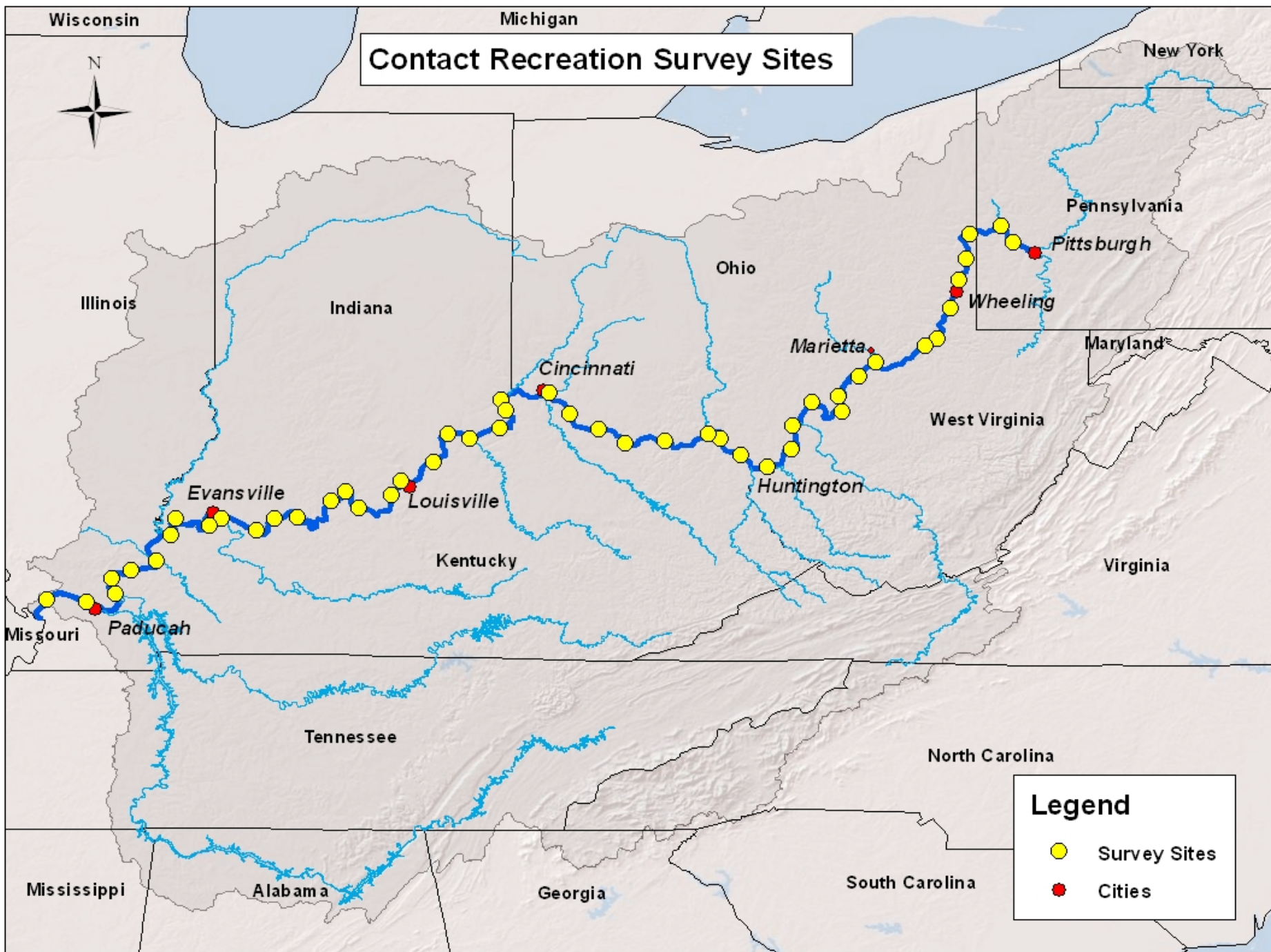


Field Surveys

98 Summer, 48 Winter

- Ground-truth phone survey results.
- Observational counts of recreational activities – Ground Surveys.
- In-person interviews – Intercept Surveys.





Status

- Draft report has been delivered.
- Working with the contactor to revise the data analysis and report.

Interim Results 2008 Primary Contact Recreational Activities

- 14.3 million Primary Contact Recreational Events river-wide in 2008.
- 26.4 million Secondary Contact events.
- 14,590 primary contact events per mile.
- 80 Primary Contact Recreational activities per day per river mile during the recreation season.
- 6,029 primary contact recreation person-days per mile.
- Results vary by segment.

CORPS OPERATED BEACHES WITHIN THE GREAT LAKES AND OHIO RIVER DIVISION

DISTRICT	PROJECT	STA TE	RECREATION AREA NAME	PUBLIC VISITS IN 2007
HUNTINGTON	Beech Fork Lake	WV	Stower's Branch Rec Area	166,593
	Burnsville Lake	WV	Bulltown Rec Area	166,593
	East Lynn Lake	WV	East Fork Rec Area	47,812
	Summersville Lake	WV	Battle Run Rec Area	151,705
	Sutton Lake	WV	Bee Run Day Use Area	135,025
	Sutton Lake	WV	South Abutment Rec Area	118,306
LOUISVILLE	Barren River Lake	KY	Bailey's Point Rec Area	74,865
	Barren River Lake	KY	Beaver Creek Rec Area	386,070
	Barren River Lake	KY	Quarry Road Rec Area	18,726

Key Decision Point

- What area of river corresponds with available beach data.
- Needed for comparison to EPA's criteria language:
 - Moderate use: At least half use of typical bathing beach.
 - Light use: Less than half use of typical bathing beach.

Other Rec Use Data

- 10.8% of the total Primary Contact Recreation took place during the non-recreation season.
- 47% indicated 2008 was a typical year; 25% increased; 27% decreased.
- 9% indicated reason for non-participation was perception of pollution.
- 60+% indicated pollution influenced them to participate less.

Fish Consumption Data for Inner Zone

- Freshwater Fish Consumption Rate 90th percentile Inner Zone population = 37.3 gm per day.
- EPA's national fish default freshwater fish consumption rate 90th percentile general population = 17.5 gm per day.
- Ohio River Fish Consumption Rate 90th percentile Inner Zone population = 1.86 gm per day.
- 16% of the population consumed some Ohio River fish (6% don't know).
- 35% are aware of consumption advisories.
- 29% of those not eating Ohio River fish due to contamination.

The background is a vibrant green with a pattern of overlapping circles in various shades of green. A large, semi-transparent white circle is centered on the slide, containing the text "Questions?".

Questions?

Data Collected on Beach Use

- Contacted each of the states and Army Corps' to collect available beach use data.
- Wide range of data type and availability.
- OH, PA & Corps have useful data.
- OH – estimates by car counter & multiplier.
- PA – counts people on the beach Memorial Day thru Labor Day.
- Corps – counts people entering the recreation area, not just bathers.

**Comparison of river recreational
use data to beach use data is the
next challenge !**

**Anticipate completion & presentation at June TEC
meeting**

Objectives Resulting from Wet Weather Standards Initiative

- 1) Characterize the recreational use of the river -- Almost done!
- 2) Contribute/participate in development of the science leading to better criteria – EPA & WERF leading this initiative
- 3) Educate the public on wet weather issues.

Recommendation:

Hold public meetings to present results of the recreational use study and educate the public on the “global” wet weather issues.

Question?