

**Draft Minutes of the  
2005 MICRA PADDLEFISH/STURGEON COMMITTEE WINTER MEETING  
Embassy Suites Hotel, Down Town St. Louis, MO  
January 14, 2005**

Friday, January 14, 2005 Meeting Convened at 8:00 AM in the Lindburg Room, on the lower level of the Embassy Suites Hotel.

**Attendance:** 27 participants during the day including: Bobby Reed (LA), Tracy Hill (FWS), Trish Yasger (MDC), Rob Simmonds (FWS), Dave Herzog (MDC), Jeff Quinn (AR), Gerald Mestl (NE), Jason Sorenson (SD), Dan O'Keefe (MSU), Jan Dean (FWS), Mike Thomas (FWS), Jerry Rasmussen (MICRA), Aaron DeLonay (USGS), George Scholten (TWRA), Craig Paukert (KSU), Brent Bristow (USFWS), Brent Gordon (ODWC), Mike Bessert (UNL), Phil Bettoli (TN Tech), Fred Rykman (ND), Doug Henley (KY), Tom Stephanavage (IN), George Jordan (USFWS), Darin Simpkins (USGS-CERC), Janice Kerns (TN Tech), Laura Noguchi (USFWS), and Marie Maltese (USFWS).

**Agenda**

- ▶ Overview of 2004 activities (report of the chairman)
- ▶ Project update: paddlefish stock assessment
- ▶ Committee budget development
- ▶ Committee operating protocol review
- ▶ Strategic Plan Implementation update
- ▶ Strategic Plan Development for shovelnose sturgeon
- ▶ Regional Paddlefish Management Plan Updates
- ▶ CITES Update
- ▶ Technical Presentations
- ▶ 2005 Task Assignments

**Call to Order, Introductions and 2004 Overview**

The winter 2005 meeting of the MICRA Paddlefish/sturgeon Committee was called to order by Chairman Bobby Reed at 8:00 AM on January 14, 2005 at the Embassy Suite Hotel, Downtown St. Louis, MO. Approval of the 2004 Minutes from last year's meeting. (Bobby sent out to Committee in March 2004).

Procedural issue – speakers need to provide notes to Bobby for the minutes. At the 2003 meeting, it was agreed to take turns taking minutes. Jo Grady took notes at the meeting last year (2004). Chair would like to have system in place so we know ahead of time the person responsible for meeting minutes. The chair will provide text for how minutes will be kept in draft P/S Committee SOP document.

**Report of the Chair**

## MICRA PADDLEFISH/STURGEON SOP

Two MICRA Executive board meetings have been held since last year's Committee meeting. Paddlefish/Sturgeon Committee Activity summaries were prepared by the Chair (see handouts).

Board approved \$7000 in Little Rock Meeting in 2003. We still have some of this money left. Greg Conover represented Bobby Reed & committee at MICRA meeting at December 2003 Midwest meeting. Exec Board approved a total of \$ 22,000 at this meeting. Jo's shop is getting \$5000 for computer database stuff. Greg's shop is getting \$10K for tag reading. There is \$2-3K for tags & equipment. \$2K for subbasin management plans. ExCom did not approve \$2K to support COE pallid sturgeon meeting in July 2004. This meeting was a surprise to the fish chiefs. Bobby would like MICRA to support this symposium; however, COE is in for a bit of surprise if think they can pull off a meeting in July. (Bobby handed out portion of minutes from Dec. 2003 ExCom meeting dealing w/ our committee.)

Other Chair Activities – LMRCC met in June. Started working on Lower MSR Basin management plan for paddlefish. TX in basin (Red River) stocked ~ 1 million fish. OK is stocking & tracking fish. Jeff Quinn will give presentation on AR's program tomorrow. Group is getting new information such as ages to add to knowledge from historical data. MS has little data, paddlefish not a priority. Group has general idea of where to go, will get it done in next 1-2 years. Plan will have to be flexible & open-minded. Mark Boone filled in for Vince at that meeting. Doug Henley was there from KY.

Other Chair Activities – Bobby is also on Excom 'cause he's chair of AR/Red River Basin. He represented Doug Nygren at recent Mississippi River Panel ANS meeting in New Orleans.

Correspondence 1-Doug Carlson (NY) correspondence regarding their paddlefish stocking program (see handout). Chris O'Bara commented that there's also a tribal subsistence fishery there and that the reservoir was small.

Correspondence 2 – involved Lon Wilkens paddlefish CWT effects on behavior study.

Correspondence 3 – MO tag retention study Trish Yasger.

Last Year commented that would include list of completion of items in Strategic Plan in meetings. 1) Draft Strategic Plan done (thanks Scott Hale!). Bobby wants to get cover on it & get it on our web page. 2) Need SOPs for the committee (had listed 09/01/03 as completion date for the Strategic Plan). Bobby worked some w/ Exec board on MICRA Bylaws (adopted 11/07/03) – will be guide for how committee will operate. Needs to include how agenda is put together, 3) Still working on group reporting of harvest & trade. List of needed information went to state chiefs. 4) Update subcommittee directory (in progress). 5) Update paddlefish bibliography – someone needs to take the list & provide any of our additional information. 6) Expedite updates of website. (Jerry is good at updating site if information/pictures are sent to him) 7) Plan paddlefish symposium for 2004 annual AFS meeting. May need to look at 2006 AFS meeting. This needs to be a group project approach. Just the basin reports would make a good subset for the symposium. We need to develop a committee for this. 8) Continue work w/ stock assessment for our states.

### **Paddlefish Stock Assessment Update**

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Greg's shop is pretty far behind on tag reading. They're currently recruiting for a tag reading technician. Have money from FWS & MICRA to support this position. Jo was working with Debin Benish of Delta Systems on the database. She added some data QA/QC components to data entry forms. Debin has been out due to illness. Jo will start work with another programmer at Delta Systems next month. Plan is to have tags read through 2002 to Jo by June 1<sup>st</sup>. Jo will be working w/ Delta Systems on programming in interim. Plan is to have new CD by July 1<sup>st</sup> w/ query screens, data through 2002, and data errors fixed. Jo distributed CDs with updated dataset.

Group would like to see Jo & Greg produce an annual report for the committee & ExCom. Need attitude that this is a stock assessment program, not just a tagging program. Status of the project, not just what Jo & Greg are doing. Guys give bulleted lists to their fish chiefs every year. ORFMT produces March document. Jo agreed to produce a report for the fall meeting. Greg requests group submit their 2002 & 2003 data as soon as possible. Also passed around a needs list for equipment repairs and tags.

### **Budget Development**

Bobby would like us to stay about a year ahead in planning our committee budget. Will Greg need \$10K in perpetuity for tag reader? Maybe. Have used our own FWS \$\$ to fund the tag reading since 1997 w/ some funds from MICRA. Committee needs that work done, its very important. We need annual reports done every year as we did the first few years.

### **Break**

### **Sub-Basin Reports**

#### **Doug Henley – ORFMT summary handout**

See ORFMT 2004-05 annual report handout in the presentations.

### **Bobby Reed – LMRCC**

OK, LA, AR, TN getting stock assessment data, age & growth, creels.

There is significant illegal caviar activity in TN. Caviar buyers required to have wholesale dealers license to buy eggs. Law enforcement personnel used fishermen's records to find illegal activity. Hales of Royaloff Caviar convicted. Admitted to possessing \$400K of illegal caviar. Commercial anglers admitted to illegally harvesting pallid sturgeon & to being able to identify them in the field.

Several fish chiefs meeting later this month to discuss commercial sturgeon harvest & regulations.

**Gerald Mestl– MRNRC**

Cliff Stone is now a Regional Supervisor. Jason Sorensen has been filling in for Cliff. South Dakota should get Cliff's old position filled sometime this year. Group should be able to get a sub-basin report done in the next year.

**Trish Yasger– MDC**

Conducting a long-term coded wire tag retention test because only 7% of couple thousand paddlefish picked up below Bagnell Dam were CWT recaps. Trying to keep paddlefish in ponds on hatchery grounds, but having problems w/ otter & osprey predation.

**Ann Runstrom - USFWS**

shovelnose sturgeon harvest information (3 handouts). Pool 9 = 90% of WI shovelnose harvest & reflects one fisherman. Previously he fished enough to satisfy his meat market...but now he keeps fishing for roe and has additional market for flesh. Now other folks are interested, so harvest may increase. Last graph shows data for UMRCC states. Bobby glad fish chiefs will be working together on this shovelnose issue.

Thanks to presenters for their presentations & to Jo for meeting arrangements.

**2005 TASK ASSIGNMENTS GOES HERE (LIST)**

**Meeting adjourned at 5:00 pm.**

**APPENDIX A**

**Committee Activities and MICRA Exec Board Meetings**

**Mississippi Interstate Cooperative Resource Association  
Executive Board Meeting Minutes**

**Little Rock, AR**

**September 14-15, 2004**

**Assignments/Action Items Summary**

- ◆ Place a notice on the MICRA web site of the availability of the publication entitled, *Return of the Natives* regarding biodiversity for the Southeast region.
- ◆ Provide \$23,000 in MICRA funds to the Paddlefish/Sturgeon Committee for 2005.
- ◆ Provide \$1,000 in MICRA funds to \$2,500 to the Gamefish Committee to hold a meeting to flesh out potential future projects.
- ◆ Review the MICRA strategic plan, Rasmussen will place the current version on the MICRA Web Site.
- ◆ Begin review of the Asian Carp Management and Control Plan.

**SUMMARY OF PADDLEFISH/STURGEON COMMITTEE ACTIVITIES  
2004**

*Prepared by Bobby C. Reed, Chairman*

**Presented to the MICRA Executive Board**

**Wyndum Hotel  
Little Rock, AR  
September 14 – 15, 2004**

**Meetings:**

The Paddlefish/sturgeon Committee convened its' winter meeting in St. Louis, MO at the Sheraton Westport Hotel on January 13 -14, 2004. Minutes of the meeting have been finalized and are available in both electronic format and hardcopy.

**Attendance:**

There were 20 participants present over the two day meeting representing state, federal and university as follows: AR, LA, MO, NE, TN, SD, WV, FWS, USGS, Uni. NE, TN Tech, St. Louis Uni., and SIUC.

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### Agenda

- Overview of 2003 activities (report of the chairman)
- Project update: paddlefish stock assessment project
- Committee budget development
- Strategic Plan implementation update (tasks assignments)
- Committee operating protocol
- Strategic Plan development for shovelnose sturgeon
- Regional paddlefish management plan updates
- Technical presentations

### Past/present Activities:

**Chairman Activities:** The chair represented MICRA chairman Doug Nygren at the Mississippi River Basin Panel (ANS) meeting in New Orleans, LA in January of 2004. The chair was asked to give MICRA updates at the Lower pallid sturgeon workgroup meeting in Vicksburg, MS in December 2003, and again at the LMRCC meeting held in Memphis, TN in June of 2004. While the chair was unable to attend the MICRA Exec Board meeting in Kansas City during December 2003, a summary of paddlefish committee activities was forwarded and available at said meeting.

**Committee Activities:** State and federal paddlefish biologists continue to meet and correspond to compile existing data and collect new field data in order to complete the regional paddlefish management plans as per objectives outlined in the MICRA paddlefish strategic plan. This is an ongoing task and we have given ourselves at least three years until completion. States participating in the stock assessment study continue field collection and tagging of wild paddlefish, while propagation and recovery programs continue to rear, tag, and stock fingerlings as per their agencies programs/priorities. Greg Conover's (USFWS) shop in Rock Island, IL continues to receive and read coded-wire tags of wild and hatchery fish, while Joanne Grady's shop in Columbia, MO houses/manages our ever-growing and increasingly complicated data base. Many of our committee members have dual roles in working with the endangered pallid sturgeon, shovelnose sturgeon, and lake sturgeon recovery workgroups. Several states summarized their agencies paddlefish and sturgeon activities for 2004 and these have been attached.

### Future Activities/needs:

The Paddlefish/sturgeon Committee is slated to meet in St. Louis, MO, in mid January 2005. Work topics/discussion topics include: paddlefish strategic plan implementation, regional paddlefish plans update, need for the development of a strategic plan for shovelnose sturgeon, paddlefish stock assessment update, data base mgmt. needs, committee budget development, committee operating protocol, and a session of technical presentations. The annual meeting is being planned to coincide with a symposium on river sturgeons being sponsored by the USACOE.

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**Budgetary needs of the Paddlefish committee:**

**Immediate** budget needs for 2005 include approximately \$15,000 of needed expenditures and services as follows:

Computer consultation/ services for Access data base – **\$5,000** (consultation services will run about \$100/hour) vital if we are to keep our data base current and available (for Joanne Grady’s shop)

CWT Tag reading and tag management - **\$10,000** extremely important if we are to keep up with the volume of tags we are sending in annually. Greg’s shop (USFWS) has been very generous in handling these tasks over the past years with no cost to MICRA. However, Greg has had to assume the role of his retired supervisor and can no longer do both. The ten K is for someone to read and manage the tags.

**Other** budget needs include approximately \$8,000 of expenditures as follows:

Coded Wire Tags and monel jaw tags (hatchery and wild stock tagging) – **\$3,000**

Sub-Basin paddlefish management plan completion (Lower MS, Upper MS, MO rivers, two meetings/year) - **\$2,000**

Paddlefish/sturgeon Committee meetings (arrangements for two meetings/year) - **\$3,000**

**Total Budget Request-**

**Immediate - \$15,000**

**Other - \$8,000**

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**\$23,000**

**APPENDIX B**



***STANDARD OPERATING PROCEDURES OF THE MICRA PADDLEFISH/STURGEON COMMITTEE***

The Mississippi Interstate Cooperative Resource Association (MICRA) evolved from a need for improved inter-jurisdictional management of paddlefish and other aquatic resources in the Mississippi River Basin. MICRA was formed in 1991 and is comprised of 28 member states, 22 of which have paddlefish populations. Within the structure of MICRA, the Paddlefish/Sturgeon Committee was formed in 1992 to address issues specific to these fishes. One of the first tasks of the Committee was development of a strategic plan to state a committee purpose, identify species-specific issues, and provide direction to MICRA for the management of these inter-jurisdictional fishes.

***The management mission of the MICRA Paddlefish/Sturgeon Committee is to provide MICRA with information and recommendations to conserve and manage paddlefish and sturgeon through inter-jurisdictional coordination, communication, and assessment.***

The following text of this document describes, defines, and delineates the Committee's organizational structure and functions, as well as the roles and responsibilities of the membership and chairperson.

***Membership***

Each member agency or entity will be represented on the MICRA Paddlefish/Sturgeon Committee by one voting Delegate. Such Delegate will be appointed by his/her administrator to represent agency/entity on the committee. That Delegate will have a knowledge of and interest in paddlefish/sturgeon resources and authority to make decisions on behalf of the represented member agency or entity within the constraints of policies and financial limitations of the said agency or entity. Paddlefish/sturgeon Com delegates shall elect by majority vote from among



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its members, and confirmed by the MICRA Executive Board, a Chairperson who will coordinate committee activities, business matters, conduct meetings and take on other duties as established from time to time.

The MICRA Paddlefish/sturgeon Com shall recognize and embrace interested groups and individuals in a manner that will honor their long standing status and missions while at the same time, striving to join together all those agencies and entities that have interest, jurisdiction and responsibilities for the management of paddlefish/sturgeon resources.

### ***Meetings and Procedures***

- 1) Annual MICRA paddlefish/sturgeon meetings shall be held at a time and place determined by the membership. Special meetings may be called at the request of a majority of the members, or by the Chairperson.
- 2) The Chairperson is authorized to appoint Ad Hoc Subcommittees to carry out specific short-term assignments.
- 3) Roberts Rules of Order shall guide the conduct of all MICRA paddlefish/sturgeon meetings.
- 4) Motions and seconds may be made only by Delegates or their appointed alternate.
- 5) The presence of ? Delegates shall constitute a quorum. A simple majority is required for approval of general business matters.
- 6) Delegates may assign their vote to alternates by informing the Chairperson prior to any meeting of their intention to do so.

### ***Support of State Positions and Consensus Decisions***

The MICRA Paddlefish/sturgeon Com will be supportive of State positions, or at least neutral to issues that could significantly affect a member State. The Committee will operate under consensus in undertaking projects affecting resources under the jurisdiction of any member State or entities.

### ***Duties and Responsibilities of the Chairperson***

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The MICRA Paddlefish/sturgeon Chairperson speaks for and is responsible for Committee business, makes appointments to ad hoc committees, and exercises such other functions as may be determined from time to time by member actions. The Chairperson shall preside at MICRA Paddlefish/sturgeon meetings. The Chairperson's responsibilities shall include:

- serving as the MICRA Paddlefish/sturgeon Com's administrative secretary and conducting the Com's day to day business;
- maintaining permanent administrative records of all the Com's activities and other publications;
- prepares newsletter articles containing current information about Com activities and other matters of importance in furthering the Com goals and objectives;
- facilitating development and maintenance of a comprehensive strategic plan for management of paddlefish and sturgeon resources of the Mississippi River Basin, and other plans as deemed important by membership or the MICRA Executive Board;
- prepares meeting agendas with help from membership
- preparing minutes of MICRA Paddlefish/sturgeon Com meetings;
- preparing an annual budget for the Com;
- maintaining a membership roster;
- assists MICRA Executive Director in placing material on MICRA website;
- attends MICRA Executive meetings to provide summaries of Com's activities and budget to the board
- serving as the MICRA's Chairperson's representative at meetings, conferences, hearings, and other appearances to further MICRA's purposes.

### Responsibilities of Membership and Ad Hoc Committee's

- a. Delegates - Delegates or their designates are expected to meet at least once annually to conduct Paddlefish/sturgeon Committee business. Delegates will provide summaries of their agencies management activities with respect to paddlefish and sturgeon resources within their jurisdiction.

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b. Ad Hoc Committees – ad hoc committees shall develop technical information, develop management strategies and plans, develop research proposals, and assist in coordination and implementation of cooperative research and management projects.

### Order of Business

The order of business at Annual MICRA Meetings shall include, but shall not be limited to:

- a. call to order by the Chairperson,
- b. assign minute keeper, roll call and determination of quorum,
- c. approval of minutes of previous meeting,
- d. report of Chairperson on Paddlefish/sturgeon Com actions,
- e. reports of Sub-basins and Ad Hoc committees,
- f. strategic plan review (checking benchmarks for progress)
- g. other old business,
- h. new business,
- i. nominations for new officers,
- j. technical presentations, reports of interest by visitors
- k. appointment of ad hoc committees, as appropriate,
- l. and anything else you can think of that might go here?
- m. Adjournment.

**APPENDIX C**

*The shovelnose sturgeon management mission of the MICRA Paddlefish/Sturgeon Committee is to provide MICRA with information and recommendations to conserve and manage shovelnose sturgeon through inter-jurisdictional coordination, communication, and assessment.* The purpose of this plan is to provide committee direction during the next six years. Operational activities will be scheduled and conducted in each of three two-year operational plans.

DRAFT

## MICRA PADDLEFISH/STURGEON SOP

**Goal 1.** Protect, enhance, and restore the biological integrity of shovelnose sturgeon populations throughout their native range.

**Issue:** Management units have not been well defined for shovelnose sturgeon populations.

**Issue:** Standardized population assessment procedures have not been developed and implemented for shovelnose sturgeon throughout the Mississippi River Basin.

**Issue:** Commercial and sport harvest data are incomplete, not recorded or reported in a standard format, and not reported to a central location.

**Issue:** Habitat requirements of shovelnose sturgeon are not clearly identified.

**Issue:** Illegal trade and/or illegal taking of shovelnose sturgeon and/or their products may be adversely affecting shovelnose sturgeon stocks.

**Issue:** Sex of shovelnose sturgeon cannot generally be determined by external inspection.

**Objective 1.1.** Compile all information from state and sub-basin reports and genetic analysis into a “state of shovelnose sturgeon” summary report by January 1, 2007.

**Strategy 1.1.1.** Develop a MICRA shovelnose sturgeon genetics plan to determine if it meets the needs of the Mississippi River Basin.

**Strategy 1.1.2.** Complete sub-basin reports.

**Strategy 1.1.3.** Upon completion of strategies 1.1.1 and 1.1.2, determine if a contracted genetic analysis of shovelnose sturgeon throughout the Mississippi River Basin needs to be completed.

**Strategy 1.1.4.** Define shovelnose sturgeon management units within the Mississippi River Basin.

**Objective 1.2.** Annually summarize and report commercial and sport shovelnose sturgeon harvest from all available sources for distribution to management and law enforcement entities beginning January 1, 2005.

**Strategy 1.2.1.** Develop standardized reporting procedures for sport and commercial harvest of shovelnose sturgeon and implement upon committee and MICRA review and approval.

**Strategy 1.2.2.** Establish a format for annual reporting and begin distribution of information to management and law enforcement entities.

**Objective 1.3.** Define characteristics of sustainable shovelnose sturgeon populations within all management units by January 1, 2008.

**Strategy 1.3.1.** Determine what is considered desirable growth, body condition, total annual mortality, size structure, and age structure within each sub-basin.

**Strategy 1.3.2.** Summarize management objectives, associated criteria for each management

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unit, determine if criteria are being met, and report results.

**Strategy 1.3.3.** Develop standardized sampling protocols to monitor shovelnose sturgeon populations.

**Objective 1.4.** Determine the efficacy of field gonad biopsy as a method for external sex determination of shovelnose sturgeon by January 1, 2006.

**Strategy 1.4.1** Implement a study of the efficacy of field gonad biopsy as a method for external sex determination of shovelnose sturgeon and report results to the committee for review and discussion.

**Objective 1.5.** Establish a process to review, prioritize and provide financial and institutional support of shovelnose sturgeon research by January 1, 2005.

**Strategy 1.5.1.** Compile past and current list of MICRA sponsored research and projects.

**Strategy 1.5.2.** Develop protocol to prioritize research needs.

**Strategy 1.5.3.** Prioritize research needs on an annual basis.

**Strategy 1.5.4.** Develop funding mechanisms for assessment and research projects.

**Objective 1.6.** Identify habitat requirements of shovelnose sturgeon by January 1, 2008.

Strategy 1.6.1. **Develop a habitat suitability index for shovelnose sturgeon through an updated literature review.**

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**Goal 2.** Establish and maintain internal (Paddlefish/Sturgeon Committee) and external (all other entities) communication networks for sharing information, building partnerships, developing management recommendations, and facilitating progress on large-scale multi-jurisdictional projects.

**Issue:** Structure and content of the committee working meetings is not always adequate to meet committee member and MICRA needs.

**Issue:** Travel constraints may limit participation of sub-committee members in working meetings held by the committee.

**Issue:** Committee meetings have not been effective forums for encouraging participation by external entities.

**Issue:** An up-to-date directory of contact information for committee members on MICRA's web site is not available.

**Issue:** A directory of contact information for individuals that are not members of MICRA or the committee is not available.

**Issue:** Partnerships that could result in meeting the funding needs of the committee have not been developed.

**Issue:** The sub-committee does not provide MICRA with an annual update on the status of shovelnose sturgeon throughout the Mississippi River Basin.

**Issue:** The MICRA web site is out-of-date regarding committee activities, interests, and concerns.

**Issue:** A bibliography of shovelnose sturgeon literature is not updated and distributed regularly.

**Issue:** SOP for MICRA paddlefish/sturgeon committee is not available.

**Issue:** The committee does not interact regularly with state and federal law enforcement authorities.

**Objective 2.1.** Develop Standard Operating Procedures for the committee by September 1, 2004.

**Strategy 2.1.1.** Define and establish roles, responsibilities and tenure of MICRA paddlefish/sturgeon committee leadership.

**Strategy 2.1.2.** Develop guidelines for member roles.

**Strategy 2.1.3.** Develop guidelines for committee meeting content and structure.

**Objective 2.2.** Provide MICRA with an annual update on the status of shovelnose sturgeon within each management unit and the Mississippi River Basin at each spring meeting beginning in 2006.

**Strategy 2.2.1.** Form a team of management unit representatives (currently sub-basin delineations) that work with the committee Chair to develop an annual executive summary that includes the status of shovelnose sturgeon, recommendations, and committee direction in the upcoming two years for distribution as a brief report and platform presentation at the annual spring MICRA meeting.

**Objective 2.3.** Formalize inter-jurisdictional communication between committee members and state

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and federal law enforcement officers by January 1, 2005.

**Strategy 2.3.1.** Sponsor working meetings of the committee that include a focus on law enforcement through meeting agenda content and invitation of state and federal law enforcement representatives.

**Strategy 2.3.2.** Recommend that MICRA organize a workshop with law enforcement and shovelnose sturgeon managers to develop strategies for the curtailment of illegal trade and illegal taking of shovelnose sturgeon.

**Objective 2.4.** Routinely co-sponsor a paddlefish and sturgeon symposium beginning in 2006 (every 5 years).

**Strategy 2.4.1.** Form a team of committee members to establish a “meeting committee” to develop a 2006 paddlefish and sturgeon symposium.

**Strategy 2.4.2.** Secure a co-sponsor for a 2006 paddlefish and sturgeon symposium.

**Objective 2.5.** Secure funding for committee working meetings (including travel for participants as needed) by January 1, 2005.

**Strategy 2.5.1.** Form a team consisting of the MICRA Coordinator, Paddlefish and Sturgeon Committee Chair, and representatives of the committee to seek funding for working meetings.

**Objective 2.6.** Develop and maintain committee directory and contact info for non-MICRA members.

**Strategy 2.6.1.** Committee Chair appoints a committee member to keep an updated membership directory and distribute an updated copy at each annual spring meeting.

**Strategy 2.6.2.** Create and maintain an updated membership directory of individuals that are not members of MICRA or the committee and distribute annually at each spring committee meeting.

**Objective 2.7.** Routinely update the Paddlefish/Sturgeon Committee elements of the MICRA web site beginning in 2003.

**Strategy 2.7.1.** Develop committee procedures for updating the committee components of the MICRA web site on a routine basis.

**Objective 2.8.** Establish a current committee shovelnose sturgeon bibliography and distribute electronically to committee membership once each year beginning in November 2005.

**Strategy 2.8.1.** Develop a committee process for updating the shovelnose sturgeon bibliography once each year and distributing to the membership.



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Table 1. Current strategies, plans, and funding for shovelnose sturgeon management in the Ohio River Sub-basin.

	State					
	WV	OH	KY	IN	IL	TN
<b>Current Management Strategy</b>						
Harvest (Recreation Only)	No	No	No	No	No	No
Harvest (Commercial Only)	No	No	No	No	No	No
Harvest (Recreation and Commercial)	No	No	Yes	Yes	Yes	Yes
Maintenance Stocking and Harvest	No	No	No	No	No	No
Restoration (Stocking and No Harvest)	Yes	No	No	No	No	No
Protection (No Stocking and No Harvest)	No	Yes	No	No	No	No
Restoration and Harvest	No	No	No	No	No	No
<b>Management or Restoration Plan</b>						
State	No	No	No	Yes	No	No
River Sub-basin	Yes	Yes	Yes	Yes	Yes	No
<b>Funding</b>						
Sport Fish Restoration	No	No	No	Yes	Yes	No
State License	Yes	No	Yes	Yes	Yes	Yes
Nongame/Diversity	No	Yes	No	No	No	No
Other	Yes	Yes	Yes	Yes	Yes	No

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Table 2. Current strategies, plans, and funding for shovelnose sturgeon management in the Upper Mississippi River Sub-basin.

	State				
	WI	MN	IA	IL	MO
<b>Current Management Strategy</b>					
Harvest (Recreation Only)	No	No	Yes	No	No
Harvest (Commercial Only)	No	No	No	No	No
Harvest (Recreation and Commercial)	No	No	No	Yes	No
Maintenance Stocking and Harvest	No	No	No	No	Yes
Restoration (Stocking and No Harvest)	No	No	No	No	No
Protection (No Stocking and No Harvest)	Yes	Yes	No	No	No
Restoration and Harvest	No	No	No	No	No
<b>Management or Restoration Plan</b>					
State	No	No	No	No	No
River Sub-basin	No	No	No	No	No
<b>Funding</b>					
Sport Fish Restoration	No	No	No	Yes	No
State License	No	No	Yes	No	Yes
Nongame/Diversity	No	No	No	No	No
Other	Yes	Yes	Yes	Yes	Yes

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Table 3. Current strategies, plans, and funding for shovelnose sturgeon management in the Lower Mississippi River Sub-basin.

	State			
	AR	LA	OK	TN
<b>Current Management Strategy</b>				
Harvest (Recreation Only)	No	No	Yes	No
Harvest (Commercial Only)	No	No	No	No
Harvest (Recreation and Commercial)	Yes	No	No	Yes
Maintenance Stocking and Harvest	Yes	No	No	No
Restoration (Stocking and No Harvest)	Yes	Yes	No	No
Protection (No Stocking and No Harvest)	Yes	No	No	No
Restoration and Harvest	No	No	Yes	No
<b>Management or Restoration Plan</b>				
State	No	Yes	Yes	No
River Sub-basin	No	Yes	No	No
<b>Funding</b>				
Sport Fish Restoration	Yes	Yes	Yes	No
State License	Yes	Yes	Yes	Yes
Nongame/Diversity	No	No	No	No
Other	Yes	No	No	No

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Table 4. Current strategies, plans, and funding for shovelnose sturgeon management in the Missouri River Sub-basin.

	State						
	MT	ND	SD	IA	NB	KS	MO
<b>Current Management Strategy</b>							
Harvest (Recreation Only)	Yes	Yes	Yes	No	Yes		Yes
Harvest (Commercial Only)	No	No	No	No	No		No
Harvest (Recreation and Commercial)	No	No	No	No	No		No
Maintenance Stocking and Harvest	No	No	Yes	No	No		Yes
Restoration (Stocking and No Harvest)	No	No	Yes	No	No		Yes
Protection (No Stocking and No Harvest)	No	No	Yes	No	Yes		No
Restoration and Harvest	No	No	No	Yes	No		No
<b>Management or Restoration Plan</b>							
State	Yes	Yes	Yes	No	Yes	No	Yes
River Sub-basin	No	No	No	No	No	No	No
<b>Funding</b>							
Sport Fish Restoration			Yes		Yes		Yes
State License			Yes		Yes		Yes
Nongame/Diversity			No		No		No
Other			No		No		Yes

**APPENDIX D**

**CITES UPDATE GOES HERE!**

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**APPENDIX E**

(Presentations, Abstracts, and State reports)

**TECHNICAL PRESENTATIONS**

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**APPENDIX B (ATTENDANCE)**

**Micra Paddlefish/sturgeon Committee Meeting  
January 13 – 14, 2004 Sheraton Westport Hotel, St. Louis**

**Attendance List**

<b>Name</b>	<b>Affiliation</b>	<b>Phone</b>
Jo Grady	USFWS- Columbia, MO	573-234-2132 x 101
Greg Conover	USFWS- Carterville, IL	618-997-6869
Chris O' Bara	WV DNR	304-420-4550
Phil Bettoli	TN TECH	931-372-3086
Jan Dean	USFWS-Natchitoches NFH	318-352-5324
Bobby Reed	LDWF	337-491-2577
Robb Todd	TWRA	615-781-6575
Aaron DeLonay	USGS-Cerc Columbia, MO	573-876-1878
Gerald Mestl	NGPC Lincoln, NE	402-471-5447
George Scholten	TCFRU	<a href="mailto:gdscholten21@tntech.edu">gdscholten21@tntech.edu</a>
Jason Sorenson	SDGFP	605-734-4547
Matthew Schall	SIUC	<a href="mailto:mattschall@hotmail.com">mattschall@hotmail.com</a>
Rick Mayden	STL Uni.	314-977-3494
Ed Heist	SIUC	618-453-7131
Aaron Schrey	SIUC	618-453-3815
Mike Bessert	Uni. Nebraska	402-472-3999
Ann Runstrom	USFWS – LaCrosse, WI	608-783-8433
Trish Yasger	MODOC	660530-5500