1997 Project Abstract
For the Period Ending June 30, 1999
This project was supported by the MN Future Resources Fund (ML1997, Chap 216, Sec 15, Subd. 10 (d).

TITLE: Minnesota River Basin Natural Resource Data F-6
PROJECT MANAGER: Henry W. Quade
ORGANIZATION: Mankato State University Water Resources Center
ADDRESS: 184 Trafton Science Center South
                          Mankato, MN 56001
WEB SITE ADDRESS: http://mrbdc.mankato.msus.edu
LEGAL CITATION: ML1997, Chap 216, Sec 15, Subd. 10(d)
APPROPRIATION AMOUNT: $250,000

Statement of Objectives
(1)GIS data for the Minnesota River Basin provides base layers for the major and minor watersheds of the basin. (2)The inventory of natural resource data in the Minnesota River Basin describes the status, format and availability of local, state, and federal data in the basin. (3)The Minnesota River Basin Data Center web site provides access to GIS data at a watershed level, inventory summaries of available data at a minor watershed level, and reports, publications and general information about the Minnesota River Basin. (4)Training sessions for county water planers and Extension water quality personnel in the Minnesota River Basin provide an overview of the Minnesota River Basin Data Center information.

Overall Project Results
Public and private access to information about the Minnesota River Basin is provided through the Minnesota River Basin Data Center web site. Data and links to data are provided in a straight foreword, systematic approach to assist a diverse audience in acquiring information about the major and minor watersheds of the Minnesota River Basin. GIS coverages are available for the 12 major watersheds of the Minnesota River Basin. Each major watershed contains 26 ARC/INFO coverages; 26 ArcView shape files; 26 data dictionaries, and 26 metadata documents. A total of 312 ARC/INFO files are available for downloading from the Minnesota River Basin Data Center Web Site. The Minnesota River Basin Inventory Database is used to provide and update local, state, and federal watershed summaries and contact information for the web site. The CDML feature of the database is used to create the web html pages including 1183 minor watershed summaries, 1183 local inventories, 11 state inventories, 11 federal inventories, and 27 contact directories. The inventory database is structured to accept future expansion of the inventory to include university and private sources of data in the basin. The web site is designed to accept comments from users regarding current content and new or updated information. The submitted information will be used to update the database and the web site. On May 6 and May 7, 1999, the Data Center web site was presented to the MRBDC Board of Directors and the MRBDC Technical Committee, respectively. Two training sessions occurred on June 15 and June 16, 1999, that focused on the following topics: overview of available GIS data, inventory summaries, necessary updates to information, and data transfer protocols for uploading and downloading files. Evaluations were completed by participants of the training sessions. The Data Center provides technical support for the GIS data and onsite technical assistance for the county water planners for the utilization of GIS.

Project Results Use and Dissemination
The Minnesota River Basin Data Center and the web site will meet the needs of many groups to assist in providing up to date information and free data for timely decision making and future watershed planning in the Minnesota River Basin. Cooperative efforts of the local, state and federal organizations will facilitate the necessary maintenance of Data Center information. Statistical information concerning web hits and type of information requested is in place to monitor the web site and information requested. Enclosed materials include the Minnesota River Basin Board of Directors notebook, list of training session participants, and training session evaluations.

Date of Report: July 1, 1999
LCMR Final Work Program Update Report

Date of Next Status Report:
Date of Workprogram Approval:
Project Completion Date: June 30, 1999

LCMR Workprogram 1997

I. Project Title: MINNESOTA RIVER BASIN NATURAL RESOURCE DATA F-6

Project Manager: Henry W. Quade
Affiliation: Mankato State University Water Resources Center
Mailing Address: MSU 70
P.O. Box 8400
Mankato, MN 56002-8400
Telephone Number: (507)389-5492 E-Mail: water-resources@mankato.msus.edu
Fax: (507)389-5493
Web site address:

Total Biennial Project Budget:

$LCMR:	$250,000		$Match:	$100,000
$LCMR	$0		$Match	$0
Amount Spent:	$250,000		Amount Spent:	$100,000
$LCMR	$250,000.00		$Match	$100,000
Balance:	0		Balance:	$0

A. Legal Citation: ML1997, Chap 216, Sec 15, Subd. 10(d)
This appropriation is from the trust fund to Mankato State University in cooperation with the Minnesota River Basin Joint Powers Board to prepare geographic information system data sets for the 1208 minor watersheds, provide Internet access to the data, and outreach training. This appropriation must be matched by at least $100,000 of nonstate money.

B. Status of Match Requirement: The original proposal did not contain cash match. However, there has been a lot of activity focusing on funding the data center and information post mid 1999.

One Hundred Thousand Dollars of non-state money has been raised as the required match. It includes Minnesota Corn Research & Promotion Council $10,000, City of Mankato $10,000, McKnight Foundation $20,000, Minnesota Soybean Growers $20,000, City of St. Peter $1,500, City of New Ulm $3,500, North Mankato and Eagle Lake $5,000, ESR1 $2,500, Minnesota Association of Townships $1,200, Minnesota Pork Producers $10,000, SEMIF $10,000, Bolton & Menk $2,000, Minnesota State University, Mankato Foundation $3,300.

II. Project Summary and Results: The Minnesota River Basin Natural Resource Data Project will develop a centralized resource center to assist environmental managers in the acquisition of data for the 1208 minor watersheds (12 major watersheds) within the 37 counties of the Minnesota River Basin. The project will develop status and availability inventories of data for each of the 1208 minor watersheds, and will acquire GIS data sets for the purpose of organizing and preparing basic GIS layers for each of the minor watersheds and major watersheds within the basin. The project will set up and maintain a Minnesota River Basin Natural Resource Data internet site that will provide access to GIS layers, database inventories, and general information about Minnesota

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River Basin activities. The project will provide an accessible environment for county water planners to utilize ArcView GIS software and computer hardware which will improve the efficiency of county water planners by providing GIS as a means of timely data access and a tool to generate products such as hard copy maps and reports. An outreach training session will be conducted for the purpose of familiarizing county water planners and Minnesota Extension Service staff with the use of Minnesota River Basin data in ArcView GIS and how to access this data through the internet. The project will result in an internet site specifically designed to provide data or links to data where individuals can acquire information necessary to facilitate natural resource decision making and education in a region with state significance and priority for the reduction of nonpoint source pollution.

III. Progress Summary: Hardware, software and data are in place which will provide to the public current information and GIS data for the Minnesota River Basin through access of the Minnesota River Basin Data Center (MRBDC) web site and at Minnesota State University, Mankato (MSU). GIS coverages are available for the 12 major watersheds of the Minnesota River Basin. Each major watershed contains 26 ARC/INFO coverages; 26 ArcView shape files; 26 data dictionaries, and 26 metadata documents. A total of 312 ARC/INFO files are available for downloading from the Minnesota River Basin Data Center Web Site. The Minnesota River Basin Inventory Database is used to provide and update local, state, and federal watershed summaries and contact information for the web site and contains 7510 records. The CDML feature of the database is used to create the web html pages including 1183 minor watershed summaries, 1183 local inventories, 11 state inventories, 11 federal inventories, and 27 contact directories. The inventory database is structured to accept future expansion of the inventory to include university and private sources of data in the basin. The Minnesota River Basin Data Center's Board of Directors is continuing to oversee policies of the Center (see attachment). It is the intention of the Minnesota River Basin Joint Powers Board, MRBDC partners, and MSU to continually update and provide information in various formats to basin residents and government (local, state, federal) groups. MRBDC went on-line June 7, 1999, and can be visited at *http://mrbdc.mankato.msus.edu*

IV. Outline of Project Results:

Result 1: Computer network.
      Match Budget: $ 100,000   Balance; $ 0
      Completion Date: June 30, 1999
Network hardware and software for the purpose of preparing GIS layers, developing, maintaining, and updating an internet server, and providing access for county water planners and Minnesota Extension Service staff to ArcView GIS software. Purchase internet server, SUN workstation, PC computers, printers, ArcINFO and ArcView GIS software, network hardware, software, and supplies. Set up computer network to facilitate GIS data preparation and internet file transfer of GIS data. Develop an environment for county water planners and Minnesota Extension Service staff to access ArcView GIS, computer hardware, and internet.

Result 2: GIS.
Result 2a: Management Systems.
      LCMR Budget: $ 14,500   Balance; $ 0
      Completion Date: January 1, 1998
Create GIS layers that incorporate a variety of natural resource management systems. Overlap GIS layers will be created by incorporating natural resource management system boundaries, including: watershed (MDNR), ecoregions (MPCA), local water planning (BWSR), agroecoregions (MDA), and ecosystem-based management (MDNR).

Result 2b: Locational Data.
      LCMR Budget: $ 48,000   Balance; $ 0
      Completion Date: January 1, 1998

Acquire, edit, and organize GIS data sets for the purpose of preparing basic GIS layers for each of the 1208 minor watersheds and aggregate GIS layers for each of the 12 major watersheds within the Minnesota River Basin. The basic GIS layers will include: political boundaries (state, county, township, range and section boundaries), roadways (U.S., State, County, Township roadways) and city boundaries.

Result 2c: Hydrographic Data.
      LCMR Budget: $ 30,000   Balance; $ 0
      Completion Date: July 1, 1998
Acquire, edit, and organize GIS data sets for the purpose of preparing basic GIS layers for each of the 1208 minor watersheds and aggregate GIS layers for each of the 12 major watersheds within the Minnesota River Basin. The basic GIS layers will include: hydrographic features (streams, lakes and watershed boundaries), flow and water quality sites (USGS and MPCA).

Result 2d: Data Base.
      LCMR Budget: $ 78,000   Balance; $0
      Completion Date: April 1, 1999
Develop database inventories of local, state and federal data for each of the 1208 minor watersheds including present and past projects and studies; GIS data such as drainage, National Wetland Inventory, landuse, landcover, soils, nonpoint source pollution potential, resource classification and management systems; and the status or availability of the inventoried data.

Result 3: Internet Site.
Result 3a: Develop.
      LCMR Budget: $ 35,000   Balance; $0
      Completion Date: September 1, 1998
Set up web site dedicated to information about the Minnesota River Basin and activites occuring within or about the basin. This site will be designed to not only provide general information but also allow easy access to Minnesota River Basin databases, maps and GIS data.

Result 3b: Data.
      LCMR Budget: $ 30,000   Balance; $0
      Completion Date: May 1,1999
Develop the Minnesota River Basin Natural Resource Data internet site. The internet site will provide access to general information about the Minnesota River Basin activities such as information about current projects, annotated bibliography of applied projects and pertinent research, overview of available data sets, and the watershed plans for each of the 12 major watersheds as they are completed. Data sets will be available allowing interested users to download GIS data by minor and major watershed. Links between USGS and MPCA flow and water quality sites with associated MRAP data and STORET data will be established.

Result 4: Training.
      LCMR Budget: $ 14,500   Balance; $0
      Completion Date: June 30 1999
An outreach training session will be conducted for the purpose of familiarizing county water planners and Minnesota Extension Service staff from the 37 counties in the Minnesota River Basin, county water planners and Minnesota Extension Service staff with the use of Minnesota River Basin data in ArcView GIS and how to access this data through the internet.

V. Dissemination: An internet site will be developed for the purpose of providing access to Minnesota River Basin data. Access to ArcView GIS will be provided to county water planners and Minnesota Extension Service staff from the 37 counties in the Minnesota River Basin. An outreach training session will be conducted with county water planners and Minnesota Extension Service staff to familiarize them with the access and use of Minnesota River Basin data.

VI. Context:

A. Significance: The Minnesota River Basin Natural Resource Data Project will provide four components: (1) GIS data based on the 1208 minor watersheds, (2) internet site with access to GIS data, (3) GIS ArcView access to county water planners, and (4) outreach training session. The data center will function as a centralized location where environmental managers, local planners, and citizens can acquire GIS data necessary to facilitate natural resource decision making and education within the 37 counties of the Minnesota River Basin. The GIS data will be organized on three levels: the 1208 minor watersheds, the 12 major watersheds of the Minnesota River Basin and the basin as a whole. Links and identifiers to other natural resource management systems will incorporate local water planning, ecoregions, and agroecoregions to provide a framework for coordinated efforts in basin resource management. The project will maintain an internet site so interested users can have access to Minnesota River Basin information and data. The project will provide GIS access for county water planners to use the project computers and ArcView software. Outreach training will involve a training session for county water planners and Minnesota Extension Service staff. Currently, the 13 County Water Planners in South Central Minnesota are using GIS data that was developed, collected and prepared for their use by MSUWRC. These counties are receiving educational support in the use of ArcView software and the application of GIS data for county water planning and community education. The experience acquired while providing GIS data and educational support to the 13 counties in South Central Minnesota will be used as a model and extended to the 37 counties of the Minnesota River Basin.

B. Time: All project results will be implemented on or before June 30, 1999. Future funding for continued updating, maintenance and availability of Minnesota River Basin Natural Resource Data is a priority of the Minnesota River Basin Joint powers Board.

C. Budget Context: This is the first appropriation to the Minnesota River Basin Joint Powers Board for a basin data center which is supported by resolutions of this project. Currently the 13 County Water Planners in South Central Minnesota are using GIS data that was developed, collected and prepared for their use by MSUWRC. These counties are receiving educational support in the use of ArcView software and the application of GIS data for county water planning and community education. The experience acquired while providing GIS data and educational support to the 13 counties in south central Minnesota will be used as a model and extended to the 37 counties of the Minnesota River Basin.

	July 1995 - June 1997	July 1997 - June 1999	July 1999 - June 2005
	Prior expenditures on this project	Proposed expenditures on this project	Anticipated future expenditures on this project
1. LCMR	$0	$250,000	$
2. Other State	$0	$0	$
3. Non State Cash	$0	$100,000	~~$3-5 million (Kellogg) and/or other sources~~
Total	$0	$350,000	~~$3-5 million~~

Budget:

Personnel:	$228,000
Equipment:	$100,000
Acquisition:	$0
Development:	$0
Other:	
Training Materials and Final Report	$10,500
Supplies and Travel	$7,000
Software & Data Acquisition	$4,500
Total	$350,000

VII. Cooperation: The county water planners from the 37 counties of the Minnesota River Basin who are organized as the Technical Committee of the Minnesota River Basin Joint Powers Board along with the County Commissioners of the Joint Powers Board will be active cooperators in the project.

VIII. Location: A map of the Minnesota River Basin Major Watersheds and Counties is attached.

IX. Reporting Requirements: Periodic workprogram progress reports will be submitted not later than as follows: January 1, 1998; July 1, 1998; ~~September 1, 1998~~; January 1, 1999; April 1, 1999; May 1, 1999. A final workprogram report and associated products will be submitted by June 30, 1999, or by the completion date as set in the appropriation.

X. Research Projects: N/A

Minnesota River Basin Data Center Training Participants
June 1999

COUNTY	ORGANIZATION	FIRST NAME	LAST NAME	DATE ATTENDED
Blue Earth	County	Julie	Conrad	6/16/99
Blue Earth	County	Scott	Salisbury	6/16/99
Blue Earth	Extension	Kim	Hemmesch	6/15/99
Brown	County	Paul	Davis	6/15/99
Brown	County	Lisa	Sackett	6/15/99
Carver	County	Greg	Aamodt	6/15/99
Carver	County	Brad	Henzel	6/15/99
Cottonwood	County	Marlene	Smith	6/16/99
Faribault	SWCD	Gary	Wehrenberg	6/15/99
Faribault	SWCD	Chad	Viland	6/15/99
Jackson	County	Gordon	Olson	6/15/99
Lac qui Parle	County	John	Rebehn	6/15/99
LeSueur	County	Kate	Leinen	6/15/99
Lincoln	SWCD	Pauline	Moen	6/16/99
Lincoln	Yellow Medicine WD	Terry	Renken	6/16/99
Martin	County	Mike	Murphy	6/16/99
Nicollet	BNC-CWP	Kevin	Keuhner	6/15/99
Nicollet	County Commissioner	Judy	Hanson	6/15/99
Redwood	RCRCA	Heather	Offerman	6/16/99
Redwood	County Commissioner	Joe	Schouweiller	6/16/99
Redwood	County Commissioner	Darold	Neperman	6/16/99
Scott	County	Scott	Allen	6/16/99
Scott	SWCD	Willie	Peters	6/15/99
Scott	SWCD	Sheunna	Barker	6/15/99
Scott	County Intern	James	Peterson	6/16/99
Sibley	County	Lauren	Klement	6/16/99
Sibley	County	John	Peterson	6/16/99
Steele	County	Scott	Golberg	6/15/99
Swift	County	Michael	Johnson	6/16/99
Swift	County	Scott	Collins	6/16/99
Watonwan	SWCD	Dan	Girolamo	6/16/99
Watonwan	County	Julie	Silflow	6/15/99
	MRBJPB	Anne	Ludvig	6/15/99
	MRBJPB	Steve	Hansen	6/16/99

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Nicollet_   Office: _County Commissioner_

Name: _Judy Hansen_   Position: _" "_

Phone: _507-246-5388_ FAX: _____ Email: _oakview@mnic.net_

Rating: Circle One	Poor				Good
1) **About**	1	2	3	(4)	5

Suggestions:

2) **Events**	1	2	3	4	(5)

Suggestions:

3) **Description**	1	2	3	4	(5)

Suggestions:

4) **GIS**	1	2	3	4	(5)

Suggestions:

5) **Inventory**	1	2	3	4	(5)

Suggestions:

Additional Comments on Training Workshop:

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Steele_   Office: _Env. Services_

Name: _Scott Golberg_   Position: _Director_

Phone: _507 444-7477_   FAX: _507 455-9688_   Email: _Scott.Golberg @ Co.Steele.mn.us_

Rating: Circle One   Poor   Good

1) **About**	1	2	3	4	(5)

   Suggestions:

2) **Events**	1	2	3	4	(5)

   Suggestions:

3) **Description**	1	2	3	(4)	5

   Suggestions:

4) **GIS**	1	2	3	(4)	5

   Suggestions:

5) **Inventory**	1	2	3	4	(5)

   Suggestions:

<u>*Additional Comments on Training Workshop:*</u>   Good workshop for general website orientation

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: CARVER   Office: ENVIRONMENTAL SERVICES

Name: BRAD HANZEL   Position: ENVIRONMENTALIST I

Phone: 612-361-1805   FAX: 612-361-1828   Email: bhanzel@co.carver.mn.us

Rating: Circle One   Poor   Good

1) About	1	2	3	④	5

Suggestions: DONE VERY WELL, TO THE POINT.

2) Events	1	2	3	④	5

Suggestions: NICE TO KNOW, HAVE A REFERENCE FOR UPCOMING EVENTS.

3) Description	1	2	3	④	5

Suggestions: WELL DONE, I LIKE THE TABLES

4) GIS	1	2	3	④	5

Suggestions: WENT OVER EVERYTHING IN DEPTH WHICH WAS HELPFUL. NICE SETUP.

5) Inventory	1	2	3	④	5

Suggestions: NICE SET-UP, GOOD LINKS FOR OTHER WEB PAGES AND CONTACTS.

Additional Comments on Training Workshop:

THIS SITE IS GOING TO BE VERY HELPFUL. HOPEFULLY YOU CAN CONTINUE AFTER JUNE 30TH.

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: Brown Nicollet Cottonwood Office: St. Peter

Name: Kevin Kuehner Position: Water Quality Specialist

Phone: 931-4140 FAX: Email: bnccwp @ mnic.net

Rating: Circle One   Poor   Good

1) About	1	2	3	(4)	5

Suggestions:

2) Events	1	2	3	(4)	5

Suggestions:

3) Description	1	2	3	4	(5)

Suggestions:

4) GIS	1	2	3	4	(5)

Suggestions:

5) Inventory	1	2	3	4	(5)

Suggestions: The hot links to other sites are great

Additional Comments on Training Workshop:

The web pages are very easy to use and organized well
Great Jt to all the staff. Your services are highly priced
+ appreciated.

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Scott_   Office: _SWCD_

Name: _Willie Peters_   Position: _Soil Conservation_

Phone: _(612) 492-2636_   FAX: _(612) 492-3885_ Email: _____

Rating: Circle One   Poor   Good

1) **About**   1   (2)   3   4   5

    Suggestions:

2) **Events**   1   2   3   (4)   5

    Suggestions:

3) **Description**   1   2   (3)   4   5

    Suggestions:

4) **GIS**   1   2   (3)   4   5

    Suggestions:

5) **Inventory**   1   2   (3)   4   5

    Suggestions:

Additional Comments on Training Workshop:

Instructions for uploading data was somewhat confusing.

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _____ Office: _____

Name: _Anne Ludvik_____ Position: _Program Manager_____

Phone: _612-361-6590___ FAX: _612-361-6594___ Email: _anne.ludvik@worldnet.att.net_

Rating: Circle One   Poor   Good

1) About   1   2   3   4   (5)

        Suggestions:

2) Events   1   2   3   4   (5)

        Suggestions:

3) Description   1   2   3   4   (5)

        Suggestions:

4) GIS   1   2   3   4   (5)

        Suggestions:

5) Inventory   1   2   3   4   (5)

        Suggestions:

<u>**Additional Comments on Training Workshop:**</u>

Very thorough coverage of information. It'll be easier to give constructive comments, once we have a specific application that we need information for - i.e. a report etc. You guys have done a great job pulling this project together.

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Lac qui Parle_   Office: _Water Plan_

Name: _John Rebehu_   Position: _Coordinator_

Phone: _320-568-2266_   FAX: _320-568-2266_ Email: _____

Rating: Circle One   Poor   Good

1) **About**   1   2   3   4   ⑤

    Suggestions:

2) **Events**   1   2   3   4   ⑤

    Suggestions:

3) **Description**   1   2   3   ④   5

    Suggestions:

4) **GIS**   1   2   3   4   ⑤

    Suggestions:

5) **Inventory**   1   2   3   4   ⑤

    Suggestions:

<u>*Additional Comments on Training Workshop:*</u>

Very informative – Good coverage to take back

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

6/15

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Le Sueur_ Office: _Environmental Services_

Name: _Kate Leinen_ Position: _Water Planner_

Phone: _507-357-2251_ FAX: _507-357-4812_ Email: _kleinen@co.le-sueur.mn.us_

Rating: Circle One	Poor				Good
1) About	1	2	3	4	(5)

Suggestions:

2) Events	1	2	3	4	(5)

Suggestions:

3) Description	1	2	3	4	(5)

Suggestions:

4) GIS	1	2	3	4	(5)

Suggestions:

5) Inventory	1	2	3	4	(5)

Suggestions:

This is a wonderful resource

Thank you
for all your hard work

Additional Comments on Training Workshop:

Kate

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: __CARVER__   Office: __Environmental Services__

Name: __Greg Aamodt__   Position: __Environmentalist II__

Phone: __612-361-1804__   FAX: __612-361-1828__   Email: __gaamodt@co.carver.mn.us__

Rating: Circle One	Poor				Good
1) **About**	1	2	3	(4)	5

Suggestions:
Data review flowchart hard to understand/follow

2) **Events**	1	2	3	(4)	5

Suggestions: Good idea, are other agencies/groups w/i the basin going to be able to post events here?

3) **Description**	1	2	3	(4)	5

Suggestions:

4) **GIS**	1	2	3	4	(5)

Suggestions: You mentioned the link in the future to STORET, will other "on-line" data-bases be accessible? (e.g. met council, DNR)

5) **Inventory**	1	2	3	(4)	5

Suggestions: Under "Other related websites", add any links there may be to county web sites.

Additional Comments on Training Workshop:

Site should come in very handy

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: Brown _____ Office: _____

Name: Paul Davis _____ Position: Water Planning _____

Phone: 507-233-6641 _____ FAX: 507-359-1340 ?? Email: _____

Rating: Circle One   Poor   Good

1) **About**   1   2   3   (4)   5

       Suggestions:

2) **Events**   1   2   3   4   (5)

       Suggestions:

3) **Description**   1   2   3   4   (5)

       Suggestions:

4) **GIS**   1   2   3   (4)   5

       Suggestions:

5) **Inventory**   1   2   3   4   (5)

       Suggestions:

<u>*Additional Comments on Training Workshop:*</u>

Looks like a lot of work and you've done a very good job. Any information that I can help to find for Brown County please contact me.

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: Brown   Office:

Name: Lisa Sackett   Position: Ag/Env, Intern

Phone: 794-7993   FAX: Email:

Rating: Circle One	Poor				Good
1) About	1	2	3	4	(5)

Suggestions: It was nice to learn of your goals.

2) Events	1	2	3	4	(5)

Suggestions: Helpful

3) Description	1	2	3	4	(5)

Suggestions:

4) GIS	1	2	3	4	(5)

Suggestions: Kind of long winded description of it. But site was very informative.

5) Inventory	1	2	3	(4)	5

Suggestions: liked fact can get /specific county as well as an entire watershed area. much repetition

__*Additional Comments on Training Workshop:*__

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: JACKSON   Office: Plng & Env Serv

Name: Gordy Olson   Position: Plng & Env. Serv Dir

Phone: 507-847-2240 FAX: 507-847-4718 Email:

Rating: Circle One   Poor   Good

	Poor				Good
1) **About**	1	2	3	(4)	5

Suggestions:

2) **Events**	1	2	3	(4)	5

Suggestions:

3) **Description**	1	2	3	4	(5)

Suggestions:

4) **GIS**	1	2	3	4	(5)

Suggestions:

5) **Inventory**	1	2	3	(4)	5

Suggestions:

Additional Comments on Training Workshop:

When we get internet in the office we will be in contact.

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: Watonwan   Office: Environmental Services

Name: Julie Sulflow   Position: A. Technical Clerk

Phone: 507/375-1225   FAX: 507/375-3547   Email: ———

Rating: Circle One	Poor				Good
1) About	1	2	3	(4)	5
Suggestions:					
2) Events	1	2	3	(4)	5
Suggestions:					
3) Description	1	2	3	(4)	5
Suggestions:					
4) GIS	1	2	3	4	(5)
Suggestions:					
5) Inventory	1	2	3	4	(5)
Suggestions:					

Additional Comments on Training Workshop:

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: FARIBAULT   Office: _____

Name: GARY WEHRENBERG Position: WATER PLAN COORDINATOR

Phone: 507-526-2388 FAX: 507-526-2508 Email: FCSWCD @ BEVCOMM.NET

Rating: Circle One   Poor   Good

1) About	1	2	3	(4)	5

Suggestions:

2) Events	1	2	3	(4)	5

Suggestions:

3) Description	1	2	3	(4)	5

Suggestions:

4) GIS	1	2	3	(4)	5

Suggestions:

5) Inventory	1	2	3	(4)	5

Suggestions:

Additional Comments on Training Workshop:

— DATA ENTRY FOR GIS AND GPS —

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: Faribault   Office: Blue Earth Mn.

Name: Chad L. Uiland   Position: Water Quality Technician

Phone: (507) 526-2388   FAX: (507) 526-2508   Email: ~~fsued~~ fcsucd @ bevcom.net

Rating: Circle One	Poor				Good
1) **About**	1	2	3	(4)	5
Suggestions:					
2) **Events**	1	2	(3)	4	5
Suggestions:					
3) **Description**	1	2	3	(4)	5
Suggestions:					
4) **GIS**	1	2	3	(4)	5
Suggestions:					
5) **Inventory**	1	2	3	(4)	5
Suggestions:					

Additional Comments on Training Workshop:

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Scott_ Office: _Scott County SWCD_

Name: _Sheunna Barker_ Position: _Intern_

Phone: _(612) 492-2630_ FAX: _(612) 492-3685_ Email: _N/A_

Rating: Circle One   Poor   Good

1) About   1   2   3   (4)   5

Suggestions:

2) Events   1   2   3   (4)   5

Suggestions:

3) Description   1   2   3   (4)   5

Suggestions:

4) GIS   1   2   3   (4)   5

Suggestions: Might want to incorprate ArcView along w/ what was presented.

5) Inventory   1   2   3   (4)   5

Suggestions: helpful. contacts are nive.

Additional Comments on Training Workshop:

It would be nice if the lower MN River major watershed was completed. (So I could relate to familiar areas, but that is ok).

Good presentation!

found an error → Jordan is in Scott County, not Rice !! ✓

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: Blue Earth   Office: Government Center

Name: Kim Hemmesch   Position: Extension Educator

Phone: 389-8141   FAX: 389-8355   Email: K hemmesch @ extension. umn. edu

Rating: Circle One	Poor				Good
1) About	1	2	③	4	5

Suggestions:

2) Events	1	2	③	4	5

Suggestions:

3) Description	1	2	③	4	5

Suggestions:

4) GIS	1	2	③	4	5

Suggestions: We really didn't need to see every single maps.

5) Inventory	1	2	③	4	5

Suggestions:

Additional Comments on Training Workshop:

I liked that we went through how to upload data

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Redwood_   Office: _____

Name: _Joseph Schowvieller_   Position: _____

Phone: _____ FAX: _____ Email: _____

Rating: Circle One   Poor   Good

1) About	1	2	3	(4)	5

Suggestions:

2) Events	1	2	3	(4)	5

Suggestions:

3) Description	1	2	3	4	(5)

Suggestions:

4) GIS	1	2	3	4	(5)

Suggestions:

5) Inventory	1	2	3	4	(5)

Suggestions:

Additional Comments on Training Workshop:

Very good job

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: *Redwood*   Office: _____

Name: *Darold Meperman* Position: *Commissioner*

Phone: *509-752-7810* FAX: _____ Email: _____

Rating: Circle One   Poor   Good
1) **About**   1   2   3   4   (5)
        Suggestions:

2) **Events**   1   2   3   4   (5)
        Suggestions:

3) **Description**   1   2   3   4   (5)
        Suggestions:

4) **GIS**   1   2   3   (4)   5
        Suggestions:

5) **Inventory**   1   2   3   (4)   (5)
        Suggestions:

Additional Comments on Training Workshop:
Real Good for person who can make computers
work. I need a young person to help me get
information off of internet.

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this
evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: Blue Earth   Office: Environmental Services

Name: Julie Conrad   Position: Planner

Phone: 507-389-8381   FAX: 507-389-8437   Email: julie.conrad@co.blue-earth.mn.us

Rating: Circle One   Poor   Good

1) **About**	1	2	3	4	(5)

Suggestions:

2) **Events**	1	2	3	4	(5)

Suggestions:

3) **Description**	1	2	3	4	(5)

Suggestions:

4) **GIS**	1	2	3	4	(5)

Suggestions:

5) **Inventory**	1	2	3	(4)	5

Suggestions:

Additional Comments on Training Workshop:

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: Sibley   Office: Water Planning

Name: Lauren Klement   Position: Coordinator

Phone: 507-237-4109   FAX: 507-237-4062   Email:

Rating: Circle One   Poor   Good

1) **About**   1   2   3   4   (5)

    Suggestions:

2) **Events**   1   2   3   (4)   5

    Suggestions:

3) **Description**   1   2   3   4   (5)

    Suggestions:

4) **GIS**   1   2   3   (4)

    Suggestions: we were confused about bringing up the Data dictionary info

5) **Inventory**   1   2   3   (4)   5

    Suggestions:

Additional Comments on Training Workshop:
    Enjoyed Working with it!

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Sibley_   Office: _Water Plan_

Name: _Janict Pelisin_   Position: _Assoc Coordinate_

Phone: _507 237-4109_ FAX: _____   Email: _peter169@maroon.tc.umn.edu_

Rating: Circle One   Poor   Good

1) **About**   1   2   3   ④   5

   Suggestions:

2) **Events**   1   2   3   ④   5

   Suggestions:

3) **Description**   1   2   3   4   ⑤

   Suggestions:

4) **GIS**   1   2   3   4   ⑤

   Suggestions:

5) **Inventory**   1   2   3   4   ⑤

   Suggestions:

Additional Comments on Training Workshop:

It was very good, My problem
is remembering it. Thanks
for the printed material & email.

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Swift_   Office: _Parks, Drainage & Wetlands_

Name: _Michael Johnson_   Position: _Administrator_

Phone: _(320)843-5341_   FAX: _(320)843-3543_   Email: _Mike.J @ co.swift.mn.us_

Rating: Circle One	Poor				Good
1) **About**	1	2	3	4	(5)
Suggestions:					
2) **Events**	1	2	3	4	(5)
Suggestions:					
3) **Description**	1	2	3	4	(5)
Suggestions:					
4) **GIS**	1	2	3	4	(5)
Suggestions:					
5) **Inventory**	1	2	3	4	(5)
Suggestions:					

Additional Comments on Training Workshop:

Felt information given was done a very good manner for the training, hopefully use of the web site will further educate me. If not I'll call/ey or e-mail. For the amount of information covered instruction was very good. Leaving feeling slightly ~~confused~~ confused, but enthusiastic.

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Redwood_   Office: _Redwood-Cottonwood Rivers Control Area_

Name: _Heather Offerman_   Position: _Watershed Planner, H2O Quality_

Phone: _507-637-2142_   FAX: _507-637-2134_   Email: _rrcarea@rconnect.com_

Rating: Circle One   Poor   Good

1) About	1	2	3	4	(5)

Suggestions:

2) Events	1	2	3	4	(5)

Suggestions:

3) Description	1	2	3	(4)	5

Suggestions:

4) GIS	1	2	3	4	5

Suggestions:

5) Inventory	1	2	3	4	(5)

Suggestions:

Additional Comments on Training Workshop:

I thought everything was great. I'm amazed at the amount of information that is available on this web site. I really like the page w/ the other web sites, because I had no idea of some of these places. I look forward to seeing what additional info that will be put & and hopefully I'll be able to supply more info for you - I promise it will be on a disk!

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: Scott County   Office: Water Planner

Name: James Peterson   Position: Water Planner Intern

Phone: (612) 496-8002 FAX: _____   Email: jpeterson@co.scott.mn.us

Rating: Circle One	Poor				Good
1) About	1	2	3	4	(5)
Suggestions:					
2) Events	1	2	3	4	(5)
Suggestions:					
3) Description	1	2	3	4	(5)
Suggestions:					
4) GIS	1	2	3	4	(5)
Suggestions:					
5) Inventory	1	2	3	4	(5)
Suggestions:					

Additional Comments on Training Workshop:

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _SCOTT_   Office: _WATER PLANNING_

Name: _SCOTT ALLEN_   Position: _WATER PLANNER_

Phone: _612-496-8054_ FAX: _612-496-8365_ Email: _sallen@co.scott.mn.us_

Rating: Circle One   Poor   Good

1) About   1   2   3   4   ⑤

Suggestions: VERY THOROUGH — GREAT INFO!

2) Events   1   2   3   ④   5

Suggestions: WOULD BE EASIER TO READ IF IN CLICKABLE CALENDAR FORMAT RATHER THAN A GRAY TABLE

3) Description   1   2   ③   4   5

Suggestions: VERY COMPLETE. IN WATERSHEDS W/ MANY COUNTIES IT CAN BE OVERWHELMING — LONG LISTS TO SCROLL THROUGH

4) GIS   1   2   3   4   ⑤

Suggestions:

5) Inventory   1   2   3   ④   5

Suggestions: AGAIN, VERY THOROUGH. — MAYBE TOO DETAILED? MORE GENERALIZATION, BUT LEAVE OPTION TO CLICK + VIEW "MORE DETAIL"

Additional Comments on Training Workshop:

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: Watonwan   Office: SWCD

Name: Dorothy Raney   Position: Administrative Assist/GIS coordinator

Phone: 507-375-3104 FAX: 507-375-3193 Email: dar@mnstjames.fsc.usda.gov

Rating: Circle One   Poor   Good

1) **About**   1   2   3   4   (5)

   Suggestions:

2) **Events**   1   2   3   4   (5)

   Suggestions:

3) **Description**   1   2   3   4   (5)

   Suggestions:

4) **GIS**   1   2   3   4   (5)

   Suggestions:

5) **Inventory**   1   2   3   4   (5)

   Suggestions:

   More time so can be more comprehensive

<u>**Additional Comments on Training Workshop:**</u>

Taking files off site & using in Arc-View or putting maps & data on a web site

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: ___Blue Earth___ Office: ___Environmental Services___

Name: ___Scott Salsbury___ Position: ___Land Use Planner___

Phone: ___(507) 389-8381___ FAX: ___(507) 389-8431___ Email: _____

Rating: Circle One   Poor   Good

1) About   1   2   3   4   (5)

Suggestions:

2) Events   1   2   3   4   (5)

Suggestions:

3) Description   1   2   3   4   (5)

Suggestions:

4) GIS   1   2   3   4   (5)

Suggestions:

5) Inventory   1   2   3   4   (5)

Suggestions:

Additional Comments on Training Workshop:

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: *Cottonwood*   Office: *Environmental*

Name: *Marlene Smith*   Position: *Assistant*

Phone: *507-831-2060* FAX: *507-831-4024* Email: *water @ rrcnet.org*

Rating: Circle One	Poor				Good
1) **About**	1	2	3	4	(5)

Suggestions:

2) **Events**	1	2	3	4	(5)

Suggestions:

3) **Description**	1	2	3	4	(5)

Suggestions:

4) **GIS**	1	2	3	4	(5)

Suggestions:

5) **Inventory**	1	2	3	4	(5)

Suggestions:

Additional Comments on Training Workshop:

Good Training session.

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: Lincoln   Office: SWCD

Name: Pauline Moh   Position: Dist. Manager

Phone: 507-694-1630 FAX: 507.694.1850 Email: pmm@mnivanhoe.
fsc.usda.gov

Rating: Circle One	Poor				Good
1) **About**	1	2	3	4	(5)

Suggestions:

2) **Events**	1	2	3	4	(5)

Suggestions:

3) **Description**	1	2	3	4	(5)

Suggestions:

4) **GIS**	1	2	3	4	(5)

Suggestions:

5) **Inventory**	1	2	3	4	(5)

Suggestions:

<u>*Additional Comments on Training Workshop:*</u>
Very impressed with the amount of information
available. Should be excellent data
for future use! Very informative

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Lincoln_   Office: _____

Name: _Terry Renken_   Position: _C_

Phone: _507-872-6720_ FAX: _507-872-6721_ Email: _YMRW @ starpoint.Net_

Rating: Circle One   Poor   Good

1) **About**   1   2   3   4   (5)

       Suggestions:

2) **Events**   1   2   3   4   (5)

       Suggestions:

3) **Description**   1   2   3   4   (5)

       Suggestions:

4) **GIS**   1   2   3   4   (5)

       Suggestions:

5) **Inventory**   1   2   3   4   (5)

       Suggestions:

Additional Comments on Training Workshop:

Excellent presentation,

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: MRBJPB   Office: Chaska

Name: Steve   Position: Ex Dir.

Phone: 612-361-6590 FAX: 6594   Email: mrbjpb.hansen@worldnet.att.net

Rating: Circle One   Poor   Good

1) About   1   2   3   4   **⑤**

    Suggestions:

2) Events   1   2   3   4   **⑤**

    Suggestions:

3) Description   1   2   3   4   **⑤**

    Suggestions:

4) GIS   1   2   3   4   **⑤**

    Suggestions:

5) Inventory   1   2   3   4   **⑤**

    Suggestions:

Additional Comments on Training Workshop:

We should show how this works with ArcInfo in a subsequent training session. Very good!

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.

MINNESOTA RIVER BASIN DATA CENTER
Training Workshop June 15-16, 1999
MRBDC Site Evaluation Sheet

County: _Martin_   Office: _Env. Services_

Name: _Mike Murphy_   Position: _Director_

Phone: _238-3134_   FAX: _238-3136_   Email: _wofzb@rconnect.com_

Rating: Circle One   Poor   Good

1) **About**   1   2   3   (4)   5

       Suggestions:

2) **Events**   1   2   3   4   (5)

       Suggestions:

3) **Description**   1   2   3   4   (5)

       Suggestions:

4) **GIS**   1   2   3   4   (5)

       Suggestions:

5) **Inventory**   1   2   3   4   (5)

       Suggestions:

Additional Comments on Training Workshop:

Is there process for updating contact data and other information (non-data)?

Thank you for your participation in the Minnesota River Basin Data Center Inventory and completing this evaluation sheet. Please write corrected or updated information on the back of this evaluation sheet.