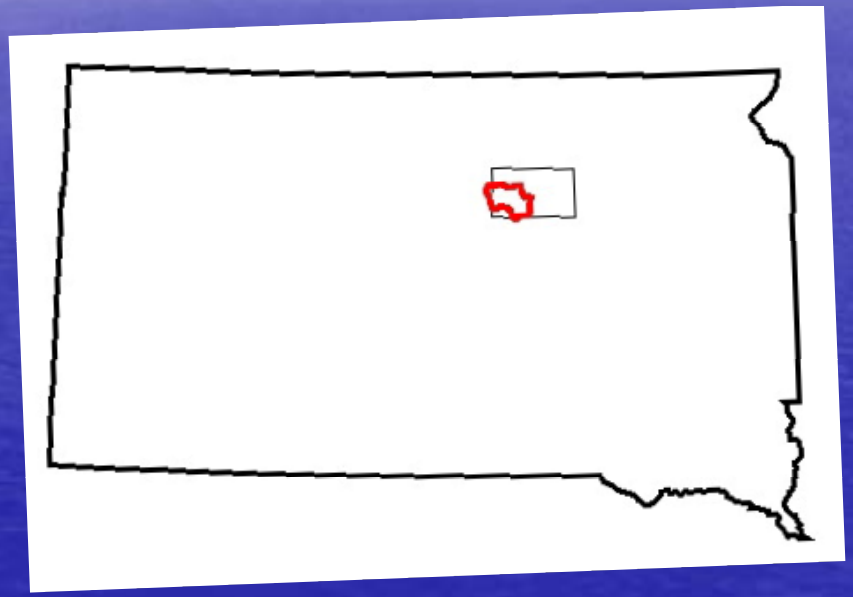
Lake Faulkton Watershed Restoration Project

Project Sponsor
Faulk Conservation District

Duane Nielsen
Project Coordinator
Central Plains Water Development District

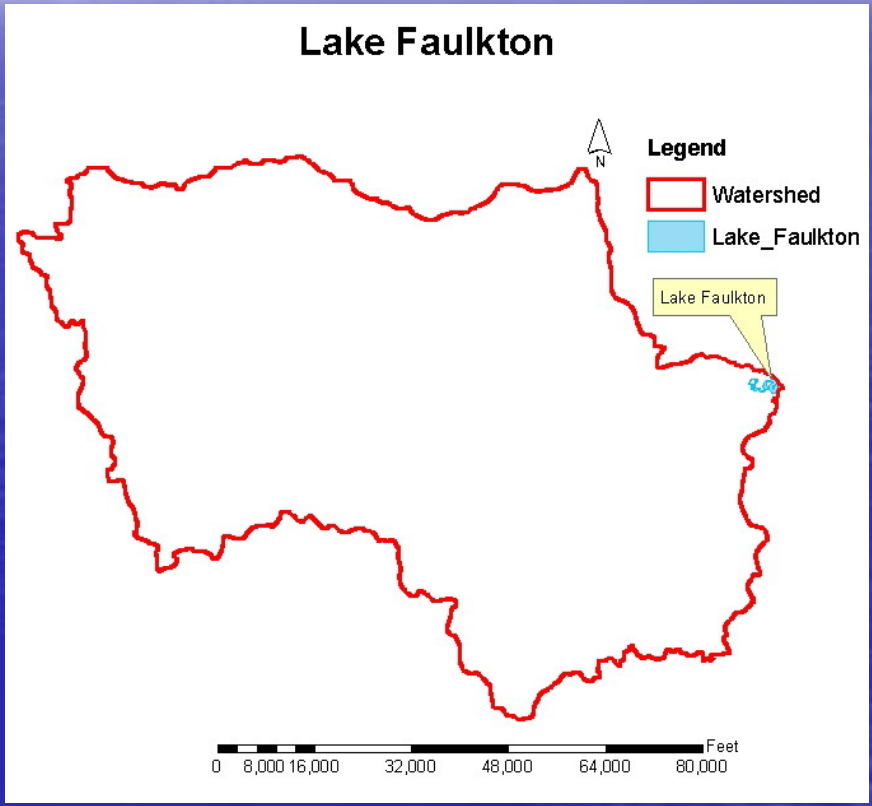
Location, location, location.

- Lake Faulkton is one mile west of Faulkton
- The watershed covers the southwest corner of Faulk county and a portion of Potter and Hyde counties



Location, location, location.

- 161,320 acre watershed



Funding

TOTAL BUDGET	$2,046,135
TOTAL EPA GRANT(S)	$673,710
TOTAL EXPENDITURES OF EPA FUNDS	$592,885
TOTAL SECTION 319 MATCH ACCRUED	$832,584
BUDGET REVISIONS	$59,821
TOTAL EXPENDITURES	$1,576,476

Project Goals

Parameter	Load Reductions	
	Goal	Attained
In Lake	144,000 cu yd (4,016.53 Kg/year Phosphorus)	115,799 cu yd (3,231.55 Kg/year Phosphorus)
Watershed	977.47 Kg/year Phosphorus	397.15 Kg/year Phosphorus

Project Objectives

- Objective 1 was to establish Best Management Practices (BMPs)
- Objective 2 was to implement Nutrient Management
- Objective 3 was to implement repairing Lake Faulkton
- Objective 4 was to provide Information and Education about the Lake Faulkton Watershed Restoration Project

Objective 1: Establish BMPs

Lake Faulkton Grazing Management Meeting

December 6, 2004 @ 10:00 am

Faulkton City Hall

Speakers:
Dave Steffen-Rancher and Retired NRCS employee
Justin "Judge" Jessop-SDACD Grasslands Project Coordinator

- What are the goals of the watershed program?
- How does grass grow and how does it benefit the watershed?
- What are the basic steps for planning a grazing system?
- What are the benefits to the livestock/landowner?
- What type of cost-share is available?
- What are the obligations the producer is committing to(what strings are attached)?
- Group interaction on planning a grazing system (the flip chart planner).
- What is the process to sign up?

* Photo courtesy of the South Dakota NRCS website.

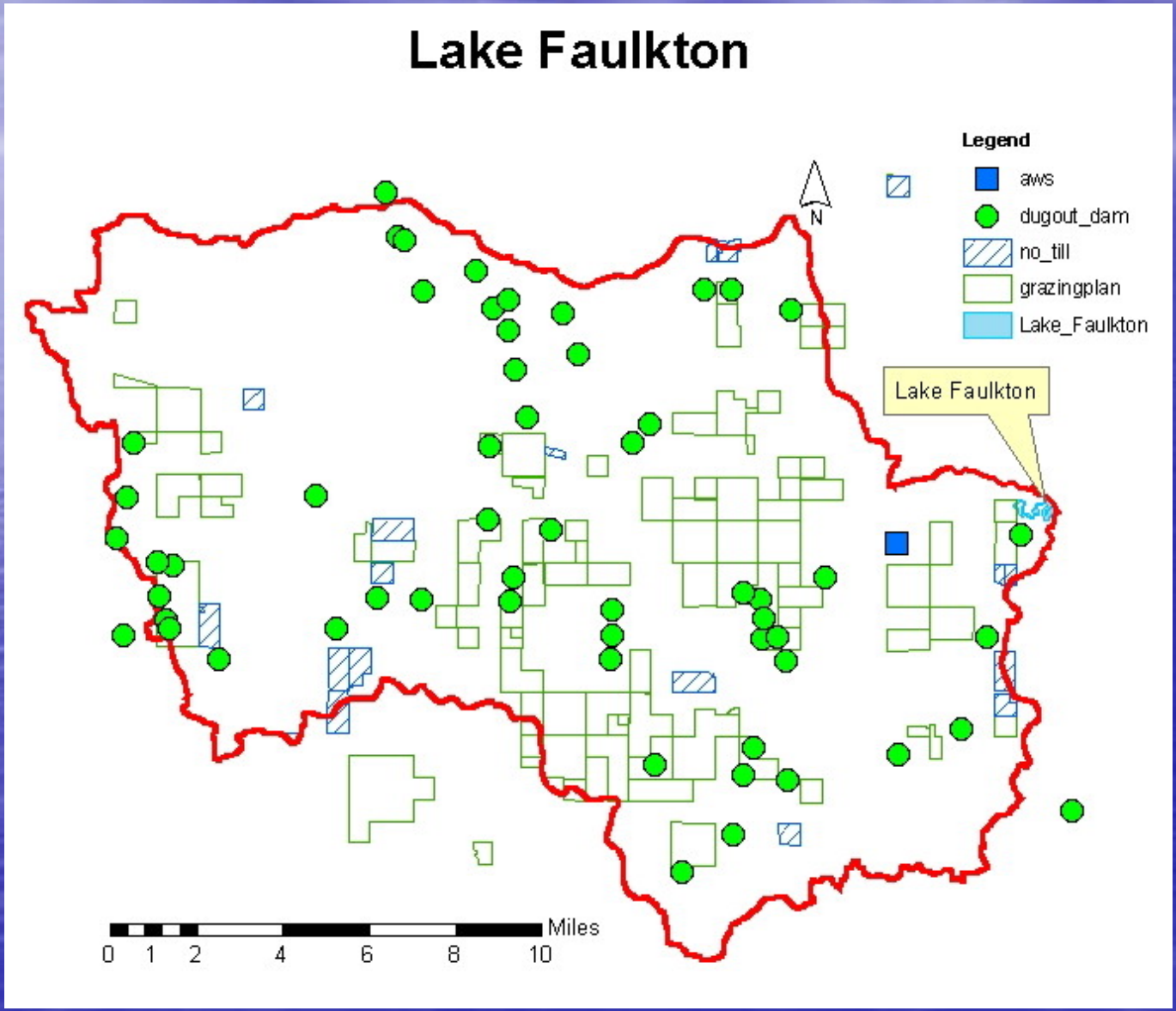
Planned Grazing

BMP	Goal	Applied
Planned Grazing	20,000 ac	16,971 ac
Cross Fence	28.5 miles	14 miles
Alternative Water		
Wells	10	2
Pipeline	20 miles	30 miles
Tanks	50	45
Rural Hookups	5	9
New Dams	15	4
Dugouts/Cleanouts	40	42

Other BMPs

BMP	Goal	Applied
Riparian & Buffer Zones	8 miles	-
Grass Seedings	250 ac native	-
	250 ac tame	-
Implement NoTill practices	10,000 ac	3128 ac
Tree Plantings	100 ac	30.8 ac

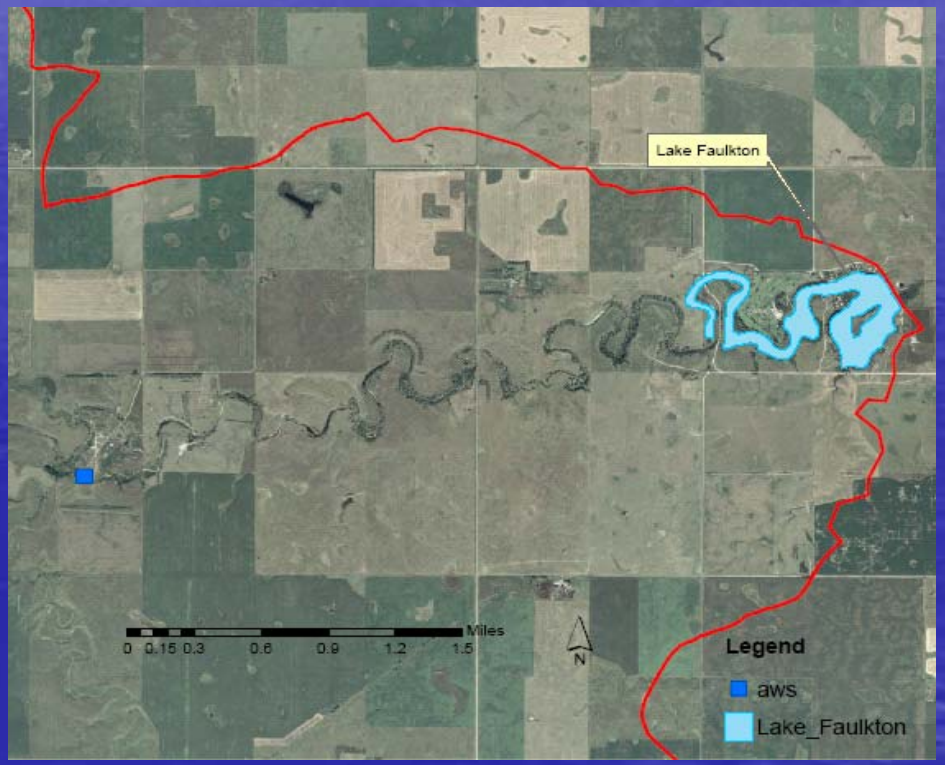
Location of BMPs



BMP's Installed

Objective 2: Nutrient Management

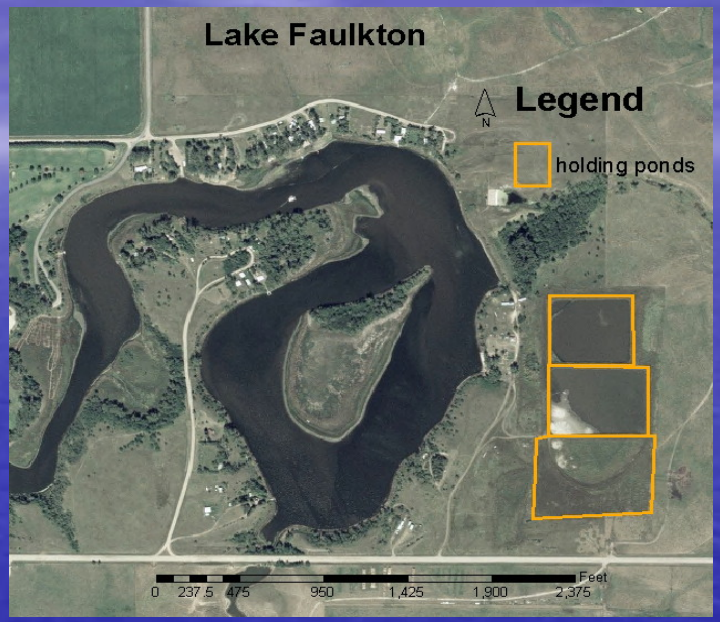
- One Ag Waste System Installed



Nutrient Management

Objective 3: Repair Lake Faulkton

- Three holding ponds were constructed in 2002 on the east side of Lake Faulkton.

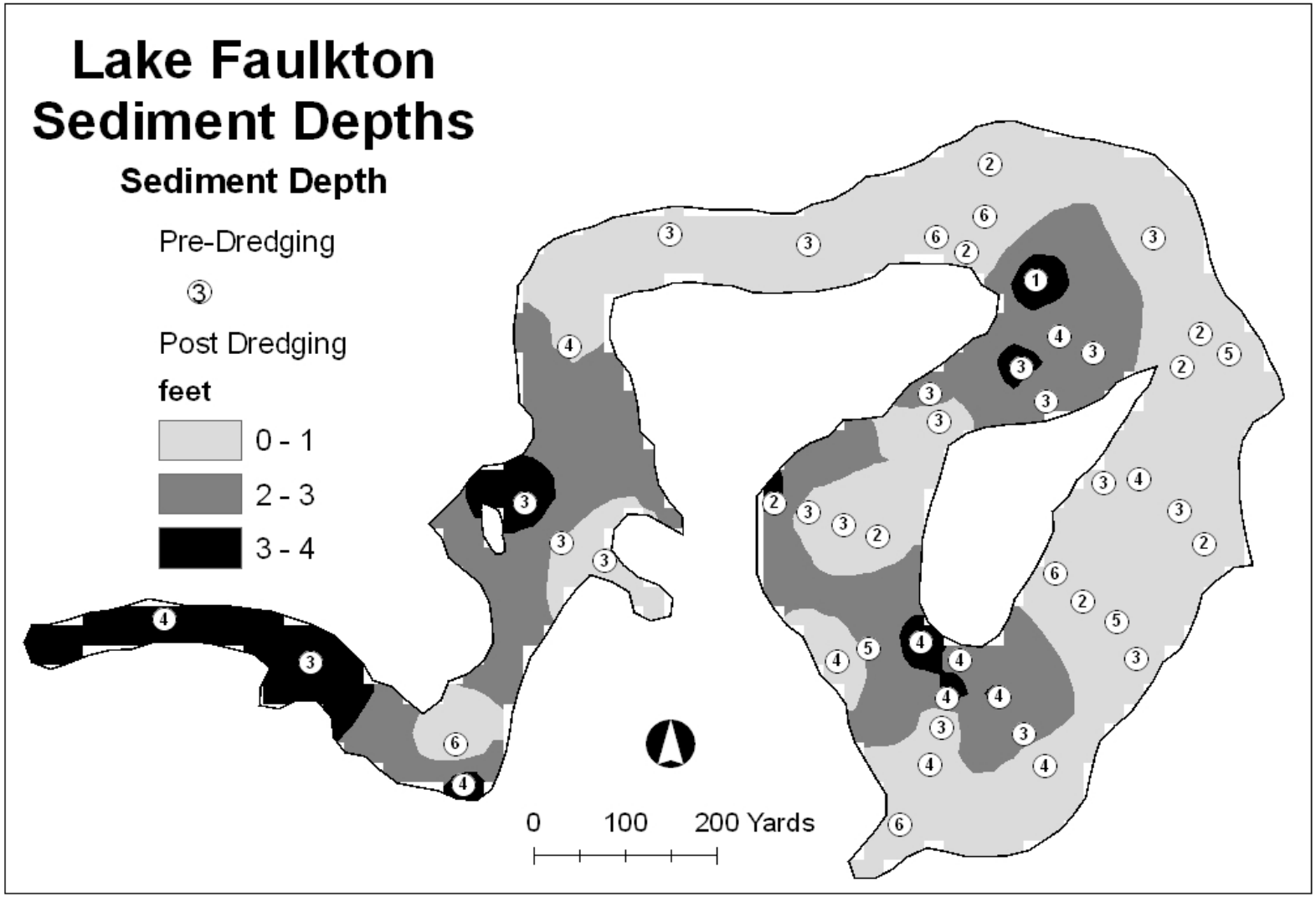


Holding Ponds

- The ponds were drained summer 2005
- Reclamation concluded summer 2006

Dredging

- Dredging lasted from July 2002 to October 2004
- 115,799 of the planned 144,000 cu yd of sediment was removed


Lake Faulkton
Sediment Depths
Sediment Depth
Pre-Dredging
Post Dredging
feet
0 - 1
2 - 3
3 - 4
0
100
200 Yards

Shoreline Stabilization

- 7 home owners applied rock rip rap

Shoreline Stabilization

Objective 4: Information and Education about the Lake Faulkton Restoration Project

- Three Dredge tours
- Two Grazing Management Meetings
- Raffles to Raise Funds
- News Articles

Attention Residents Within the Lake Faulkton Watershed

We are having two meetings at Faulkton City Hall, both at 9:00 a.m. for planned grazing systems information.

The first will be held on Wednesday, Nov. 17
The second will be held on Monday, Dec. 6

We will have two guest speaikers "Judge" Justin Jessop from West River and Jim Faulstich of rural Highmore who will speak about planned grazing systems. Anyone in the watershed who is interested is encouraged to come to one or both of the meetings.

For all of those who do sign up the watershed will pay 60% cost share and the producer will pay 40%on projects such as: pipeline, tanks, rural water hookups, dugout cleanouts, crossfencing, tree's in certain locations.

If you want something done in the watershed, you **have** to be signed up by January 15th 2005. There will be **no** sign ups for anything after that date. If you want something done, you are encouraged to attend one or both of these meetings. **There will be pop, coffee and cookies served.**

Questions: contact Jason Venjohn at 598-6237, Ext. 3.

Faulk County Record Wednesday, Jan. 22, 2003

FUNDRAISER

Lake Faulkton
Restoration Project

SIOUX FALLS SKYFORCE WEEKEND!

- **4 Executive Skyforce Tickets**
- **2 Night stay at Ramkota**
  (family fun night included)
- **$30.00 gasoline provided by Vogel's**

One (1) ticket for $5.00

Drawing to be held Monday, Jan. 27th.

Call 598-6549 ext. 3 for info. and to purchase tickets.

Lake Faulkton Watershed Restoration Project

Matching Funds Challenge

Between August 1 & October 31, 2002

Faulk Conservation District
will match donations up to
$5,000 for the Lake Dredging Project.
Send donations to
Faulk Conservation District,
PO Box 489, Faulkton, SD 57438
For more information call the office at 605-598-6549 ext. 3

Project Sponsors and Other Supporting Agencies

- Faulk Conservation District
- Lake Faulkton Restoration Committee
- Natural Resources Conservation Service (NRCS)
- Farm Service Agency (FSA)
- US Fish and Wildlife (USFWS)
- South Dakota Game, Fish and Parks (GFP)
- South Dakota Department of Environment and Natural Resources (DENR)
- Central Plains Water Development District (CPWDD)
- Environmental Protection Agency (EPA)
- South Dakota Conservation Commission
- South Dakota Lakes and Streams