

# September 2017

## Available Funds Summary

### CONSOLIDATED WATER FACILITIES CONSTRUCTION PROGRAM

Available Funds:	\$	1,357,499
Reversions:	\$	707,359
Available for Award:	<u>\$</u>	<u>2,064,858</u>

### DRINKING WATER SRF PRINCIPAL FORGIVENESS

Prior Year Principal Forgiveness Allocations:	\$	35,161,800
FFY-17 Maximum Allocation:	\$	1,648,200
Reverted Principal Forgiveness:	\$	430,467
Awarded to Date:	\$	(35,568,778)
Available For Award:	<u>\$</u>	<u>1,671,689</u>
Princ. Forg. for Disadvantaged Communities:	\$	2,472,300
Total Available for Award:	<u>\$</u>	<u>4,143,989</u>

### DRINKING WATER SRF LOANS

Available Prior Year Funds (30-Sept-2016):	\$	23,400,190
FFY-17 Cap Grant & Match:	\$	8,919,740
FFY-17 Repayments:	\$	12,500,000
Leveraged Bonds:	\$	11,000,000
Deobligations/Recissions:	\$	12,816,647
FFY-17 Awards to Date:	\$	(50,934,500)
Available for Award:	<u>\$</u>	<u>17,702,077</u>

## September 2017 Available Funds Summary

### CLEAN WATER SRF WATER QUALITY GRANTS

Available Funds:	\$	50,812
2017 IUP Allocation:	\$	1,000,000
Reversions:	\$	284,096
2017 SCPG Allotment:	\$	(100,000)
Awarded to Date:	\$	(1,180,000)
Available for Award:	<u>\$</u>	<u>54,908</u>

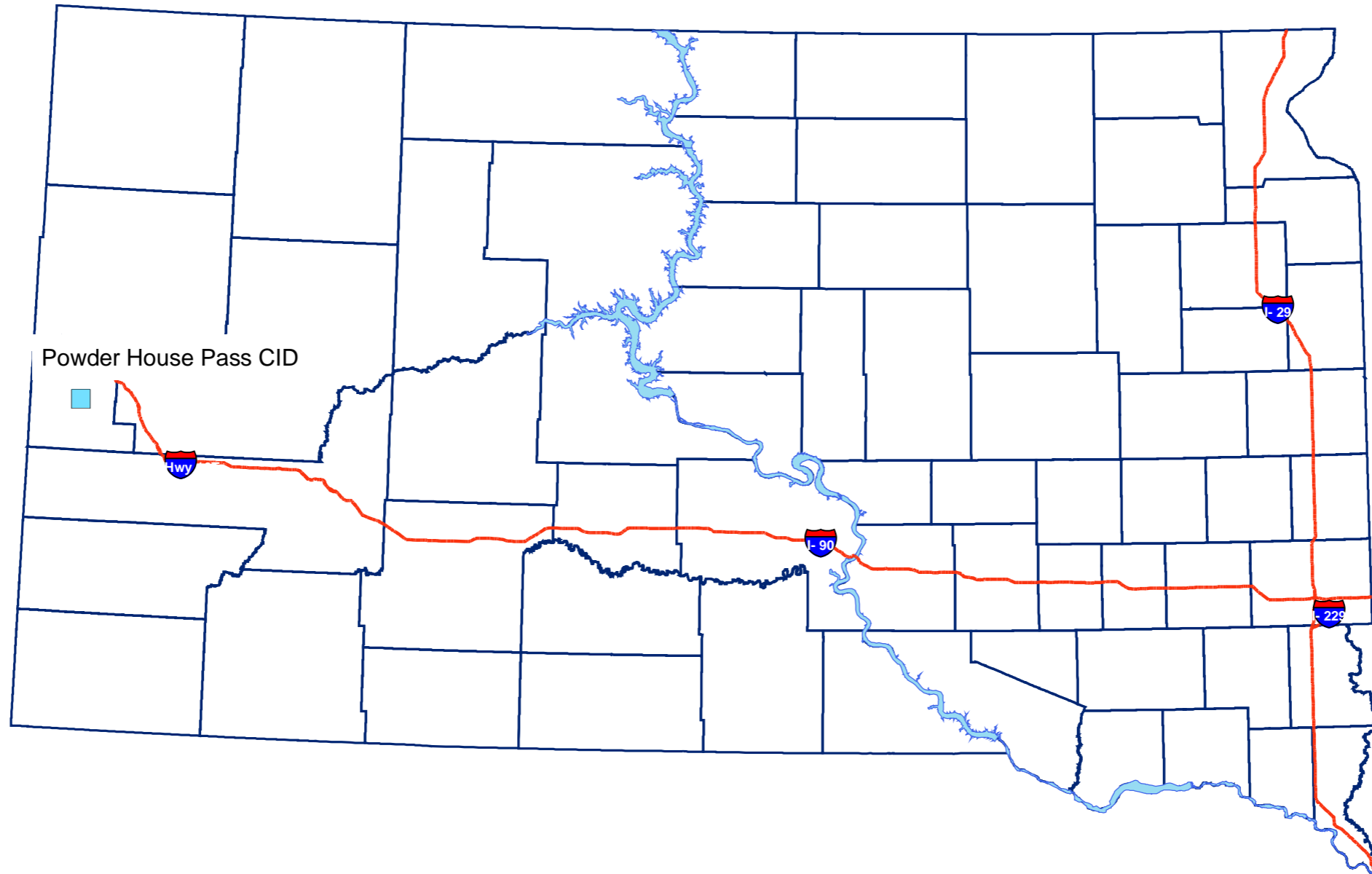
### CLEAN WATER SRF PRINCIPAL FORGIVENESS

Prior Year Principal Forgiveness Allocations:	\$	13,475,099
FFY-17 Maximum Allocation:	\$	2,589,600
Reverted Principal Forgiveness:	\$	47,420
Awarded to Date:	\$	(13,468,390)
Available For Award:	<u>\$</u>	<u>2,643,729</u>

### CLEAN WATER SRF LOANS

Available Prior Year Funds (30-Sept-2016):	\$	48,720,239
FFY-17 Cap Grant & Match:	\$	7,332,636
FFY-17 Repayments:	\$	17,500,000
Leveraged Bonds:	\$	42,500,000
Deobligations/Recissions:	\$	2,951,708
FFY-17 Awards to Date:	\$	(55,238,125)
Available For Award:	<u>\$</u>	<u>63,766,458</u>

# Sanitary/Storm Sewer Facilities Funding Applications September 2017



**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION  
FINANCIAL ANALYSIS SUMMARY**

**APPLICANT:** Powder House Pass CID (CW-02)

**Total Project Cost:** \$2,060,000  
**BWNR Funding Assistance Requested:** \$2,060,000  
**Rate/Term:** 2.5% / 30 Years  
**Security Pledged For Repayment Of Loan:** Special Assessment

**Staff Analysis**

- 1) If all funding is provided as a loan, Powder House Pass CID will have to levy an annual special assessment totaling \$108,270.

**Funding Recommendation:** \$2,060,000 Clean Water SRF Loan at 2.5% for 30 years.

**Debt Service Coverage:** 110% based on an annual assessment of \$108,270 on all property in the District.

**Contingencies:**

- 1) Contingent upon the Borrower adopting a bond resolution and the resolution becoming effective.

**Special Conditions:**

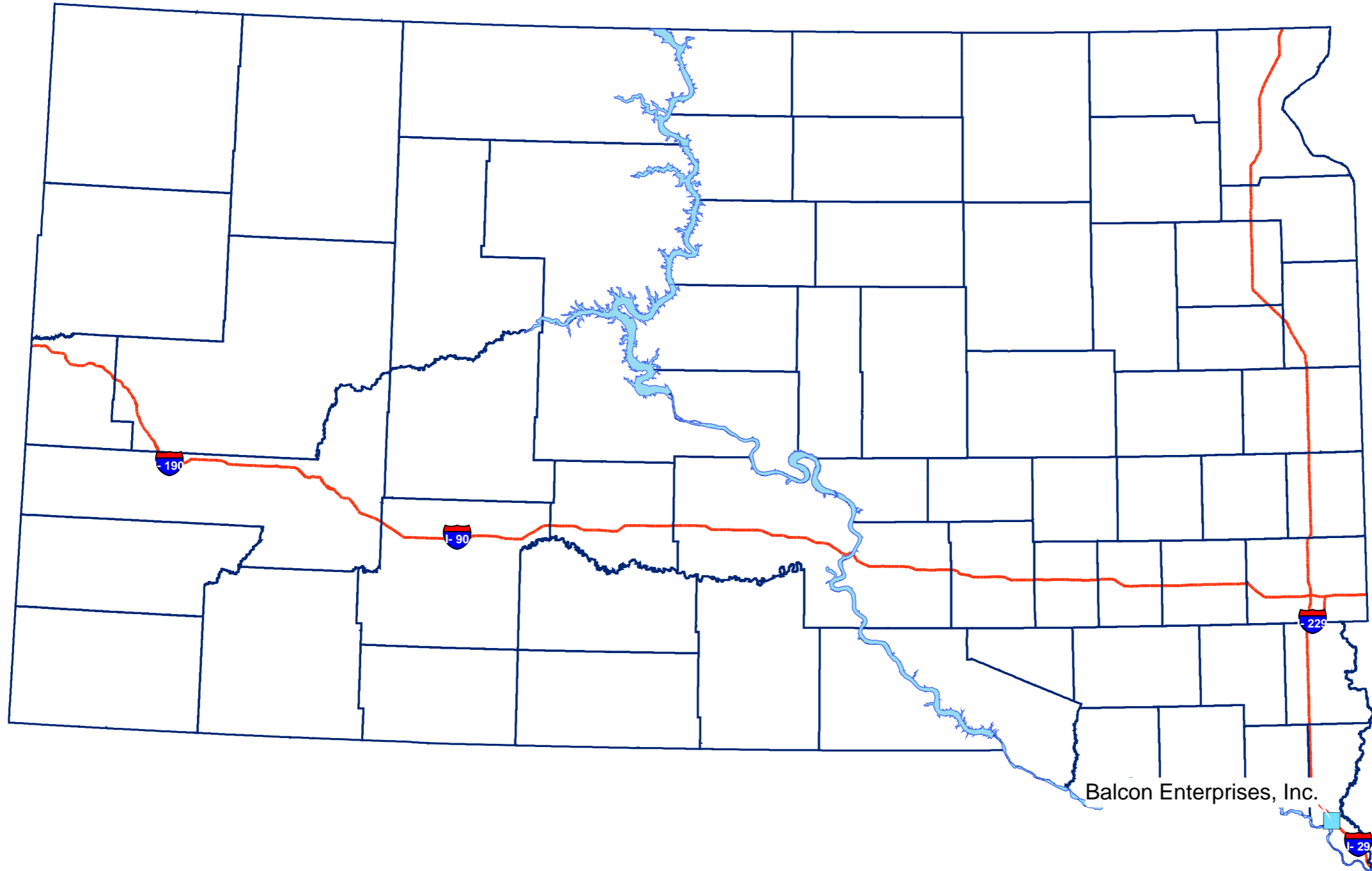
- 1) The Borrower is to provide documentation annually to the Conservancy District regarding the amount being levied for both State Revolving Fund loans prior to filing with the Lawrence County Auditor.

**September 2017**  
**Dedicated Solid Waste Management Fees**

**Solid Waste Management Program (SWMP)**

Available Funds:	\$	2,090,115
Reversions:	\$	144,502
Available for Award:	\$	<u>2,234,617</u>

# Solid Waste Management Program Funding Applications September 2017



# SOLID WASTE MANAGEMENT PROGRAM FUNDING APPLICATION

## FINANCIAL ANALYSIS SUMMARY

**APPLICANT:** Balcon Enterprises

<b>Total Project Cost:</b>	\$954,213
<b>BWNR Funding Assistance Requested:</b>	\$954,213
<b>Rate/Term:</b>	2.25% / 20 years
<b>Security Pledged For Repayment Of Loan:</b>	Revenue

### Staff Analysis

- 1) Balcon Enterprises is a package supply business with its headquarters in Elk Point. The business sells new and used Gaylord boxes. Boxes that are no longer usable are recycled. The business also assists the city of Elk Point with its recycling efforts. The business is out-growing its existing recycling building and is requesting funding to construct a new recycling center and purchase a new baler and forklift.
- 2) The South Eastern Council of Governments performs loan analyses for private entities applying to the Solid Waste Management Program and conducted the financial review for the Balcon Enterprises application. Financial Information is considered Confidential in accordance with SDCL 46A-1-98 for private entities.
- 3) Staff analysis indicates that by providing a Solid Waste Management loan with the requested rate and term, when compared to conventional financing methods at current market rates, Balcon Enterprises would receive \$190,000, or approximately 20 percent of total project costs, in subsidy through this loan.

**Funding Recommendation:** \$954,000 Solid Waste Management Program loan at 2.25% for 20 years.

### Loan Contingencies:

- 1) Contingent upon the Borrower adopting a resolution approving the form of the loan agreement, the promissory note, and the pledge of revenues for repayment of the loan.
- 2) Contingent upon the Borrower approving a security agreement and mortgage.
- 3) Contingent upon the Borrower approving a personal guaranty agreement for each Co-Owner and providing a key man life insurance policy not less than the face value of the promissory note from each Co-Owner and naming the Borrower as the beneficiary with the proceeds payable to the Board of Water and Natural Resources to the extent of the outstanding balance of the loan.

**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION  
FINANCIAL ANALYSIS SUMMARY**

**APPLICANT:** Colton CW-03

<b>Total Project Cost:</b>	\$2,774,566
<b>BWNR Funding Assistance Requested:</b>	\$2,774,566
<b>Rate/Term:</b>	2.50% / 30 years
<b>Security Pledged For Repayment Of Loan:</b>	Project Surcharge

**Staff Analysis**

- 1) Colton was awarded a \$1,385,000 Clean Water State Revolving Fund loan for this project in March. The loan has not closed.
- 2) If all funding is provided as loan Colton would have to establish a surcharge of approximately \$38.75. Colton's current rate is \$45.50/5,000 gallons.
- 3) Colton recently increased its rates by \$20/5,000 gallons to provide funding for this project which can be used to offset the required surcharge.
- 4) The staff funding recommendation will require a surcharge of \$27.85. However, staff analysis indicates that Colton could restructure its rates to keep rates at approximately \$48/5,000 gallons.

**Funding Recommendation:** Rescind Board resolution #2017-35 and award a \$1,974,000 Clean Water SRF loan at 2.50% for 30 years and an \$800,000 Consolidated grant.

**Debt Service Coverage:** 110% based on a surcharge of \$27.85/customer.

**Loan Contingencies:**

- 1) Contingent upon the Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon the Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.
- 3) Contingent on the Borrower submitting the annual documentation required for loans currently in repayment to the District.

**Grant Special Condition:**

- 1) Grant funds for reimbursement of project costs must be drawn concurrently with the Clean Water SRF loan funds.



**DRINKING WATER FACILITIES FUNDING APPLICATION  
FINANCIAL ANALYSIS SUMMARY**

**APPLICANT:** Colton DW-04

**Total Project Cost:** \$2,158,372  
**BWNR Funding Assistance Requested:** \$2,158,372  
**Rate/Term:** 2.50% / 30 years  
**Security Pledged For Repayment Of Loan:** Project Surcharge

**Staff Analysis**

- 1) Colton was awarded a \$500,000 Drinking Water State Revolving Fund loan and a \$815,000 Consolidated grant for this project in March. The loan has not closed.
- 2) If all funding is provided as loan Colton would have to establish a surcharge of approximately \$30.15. Colton's current rate is \$49.95/5,000 gallons.
- 3) Colton recently increased its rates by \$5/5,000 gallons to provide funding for this project which can be used to offset the required surcharge.
- 4) The staff funding recommendation will require a surcharge of \$11.00. However, staff analysis indicates that Colton could restructure its rates to keep rates at or near the current level.

**Funding Recommendation:** Rescind Board resolution #2017-47 and award a \$1,343,000 Drinking Water SRF loan at 2.50% for 30 years with 41.6% principal forgiveness not to exceed \$558,000, and keep the existing \$815,000 Consolidated grant with the grant percentage reduced to 37.8% of total project costs.

**Debt Service Coverage:** 110% based on a \$11.00 surcharge

**Loan Contingencies:**

- 1) Contingent upon the Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon the Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.
- 3) Contingent on the Borrower submitting the annual documentation required for loans currently in repayment to the District.
- 4) Contingent upon receipt of the 2017 Drinking Water State Revolving Fund capitalization grant from EPA.

**Grant Special Condition:**

- 1) Grant funds for reimbursement of project costs must be drawn concurrently with the Drinking Water SRF loan funds

# September 2017

## Available Funds Summary

### CONSOLIDATED WATER FACILITIES CONSTRUCTION PROGRAM

Available Funds:	\$	1,357,499
Reversions:	\$	707,359
Available for Award:	\$	<u>2,064,858</u>
Recommended:	\$	<u>(800,000)</u>
Balance:	\$	<b>1,264,858</b>

### DRINKING WATER SRF PRINCIPAL FORGIVENESS

Prior Year Principal Forgiveness Allocations:	\$	35,161,800
FFY-17 Maximum Allocation:	\$	1,648,200
Reverted Principal Forgiveness:	\$	430,467
Awarded to Date:	\$	<u>(35,568,778)</u>
Available For Award:	\$	1,671,689
Princ. Forg. for Disadvantaged Communities:	\$	2,472,300
Total Available for Award:	\$	4,143,989
Recommended:	\$	<u>(558,000)</u>
Balance:	\$	<b>3,585,989</b>

### DRINKING WATER SRF LOANS

Available Prior Year Funds (30-Sept-2016):	\$	23,400,190
FFY-17 Cap Grant & Match:	\$	8,919,740
FFY-17 Repayments:	\$	12,500,000
Leveraged Bonds:	\$	11,000,000
Deobligations/Recissions:	\$	12,816,647
FFY-17 Awards to Date:	\$	<u>(50,934,500)</u>
Available for Award:	\$	17,702,077
Recommended PF:	\$	(558,000)
Recommended Loan:	\$	<u>(285,000)</u>
Balance:	\$	<b>16,859,077</b>

## September 2017 Available Funds Summary

### CLEAN WATER SRF WATER QUALITY GRANTS

Available Funds:	\$	50,812
2017 IUP Allocation:	\$	1,000,000
Reversions:	\$	284,096
2017 SCPG Allotment:	\$	(100,000)
Awarded to Date:	\$	(1,180,000)
Available for Award:	\$	54,908
Recommended:	\$	-
Balance:	\$	<b>54,908</b>

### CLEAN WATER SRF PRINCIPAL FORGIVENESS

Prior Year Principal Forgiveness Allocations:	\$	13,475,099
FFY-17 Maximum Allocation:	\$	2,589,600
Reverted Principal Forgiveness:	\$	47,420
Awarded to Date:	\$	(13,468,390)
Available For Award:	\$	2,643,729
Recommended:	\$	-
Balance:	\$	<b>2,643,729</b>

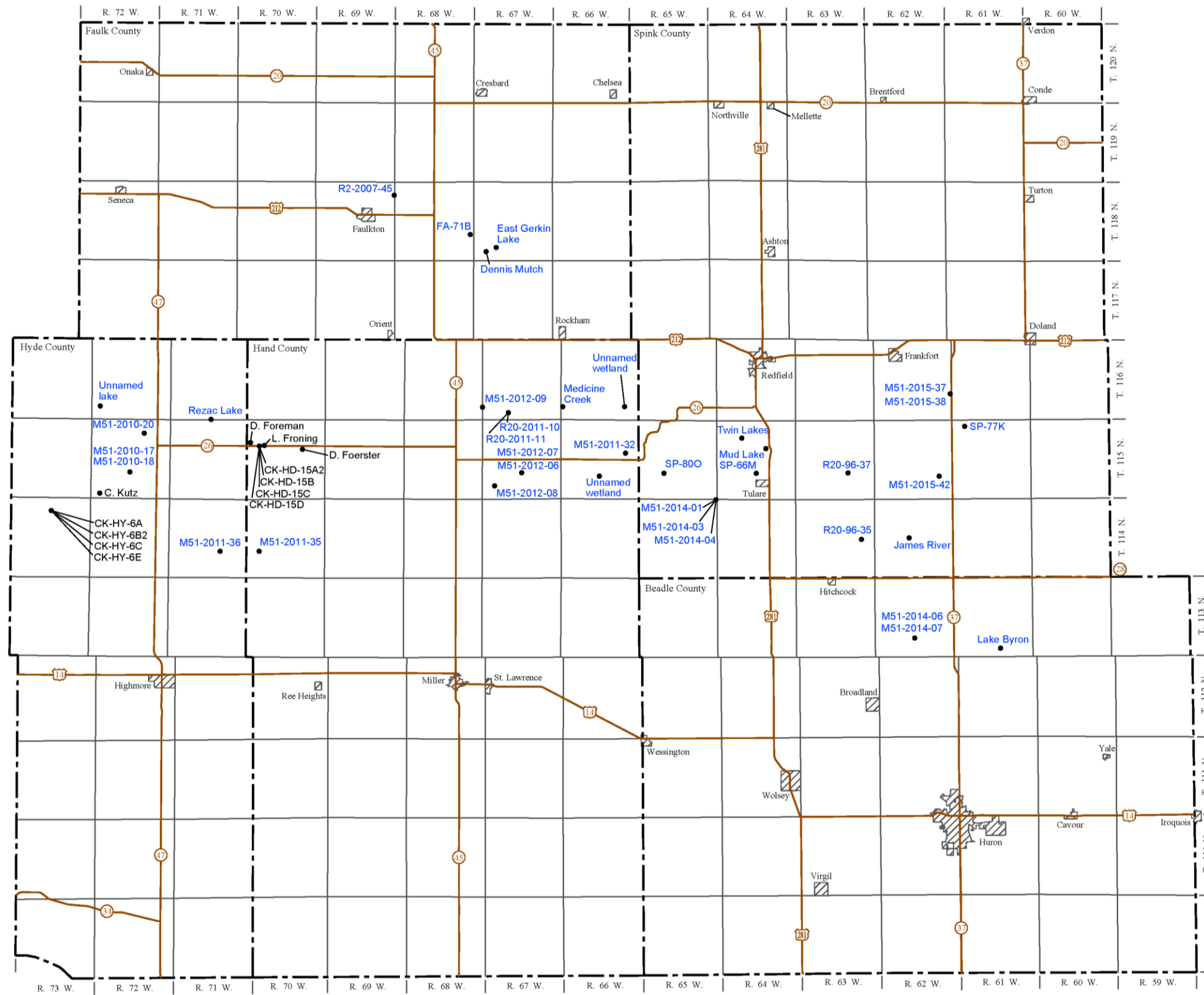
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Deobligations/Recissions:	\$	2,951,708
FFY-17 Awards to Date:	\$	(55,238,125)
Available For Award:	\$	63,766,458
Recommended PF:	\$	-
Recommended Loan:	\$	(2,649,000)
Balance:	\$	<b>61,117,458</b>

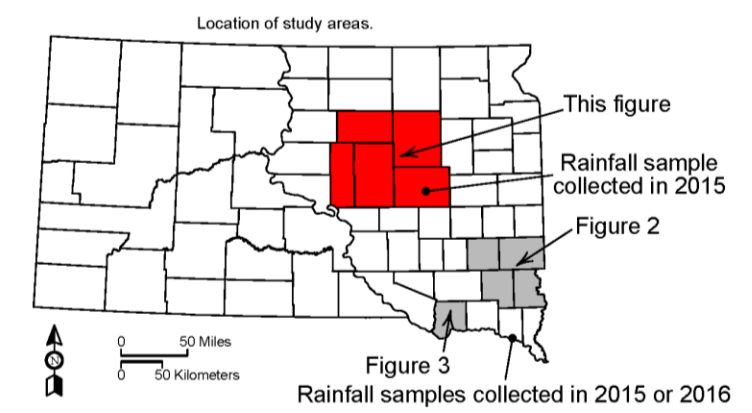
**September 2017**  
**Dedicated Solid Waste Management Fees**

**Solid Waste Management Program (SWMP)**

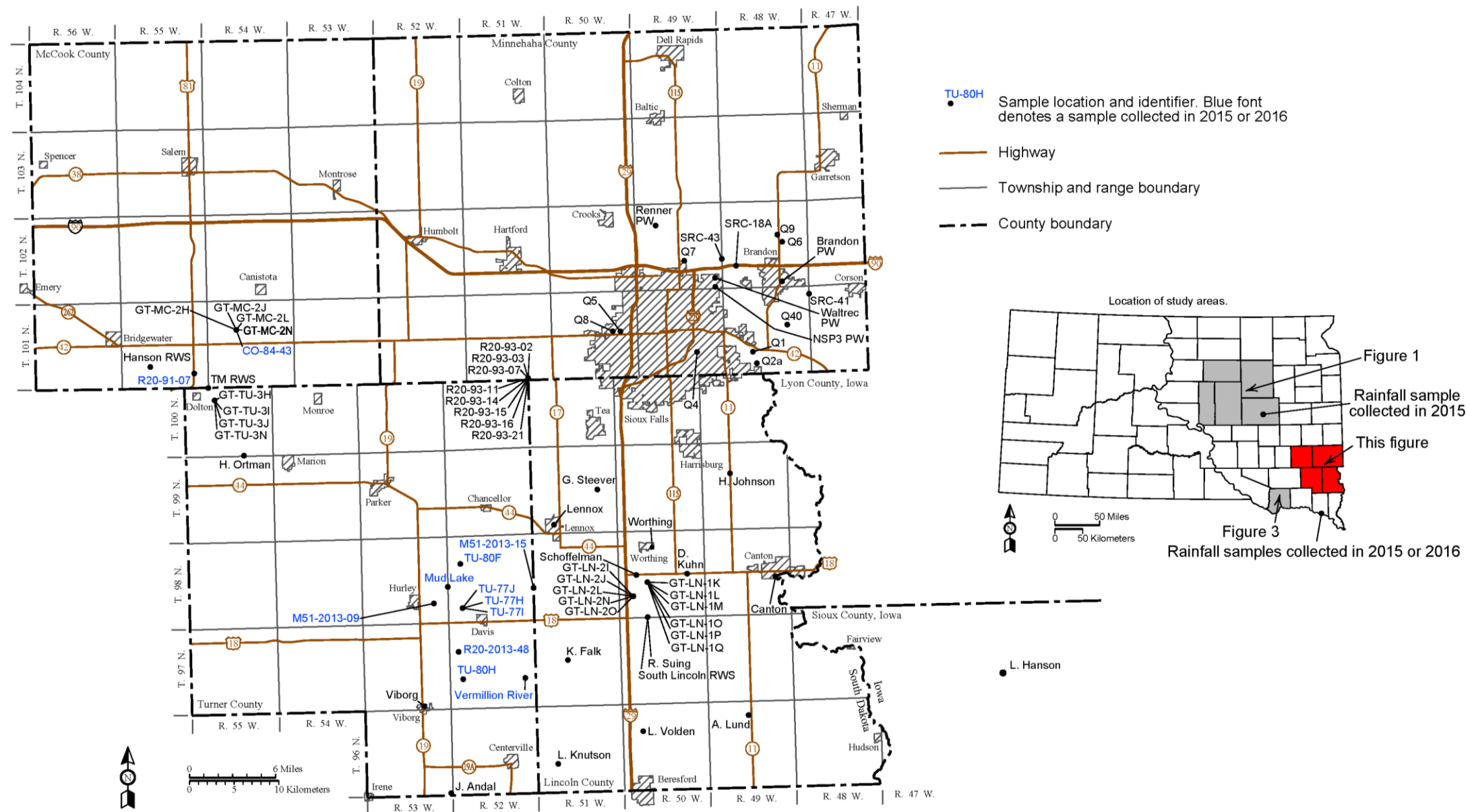
Available Funds:	\$	2,090,115
Reversions:	\$	144,502
Available for Award:	\$	<u>2,234,617</u>
Recommended:	\$	<u>(954,000)</u>
Balance:	\$	<b>1,280,617</b>



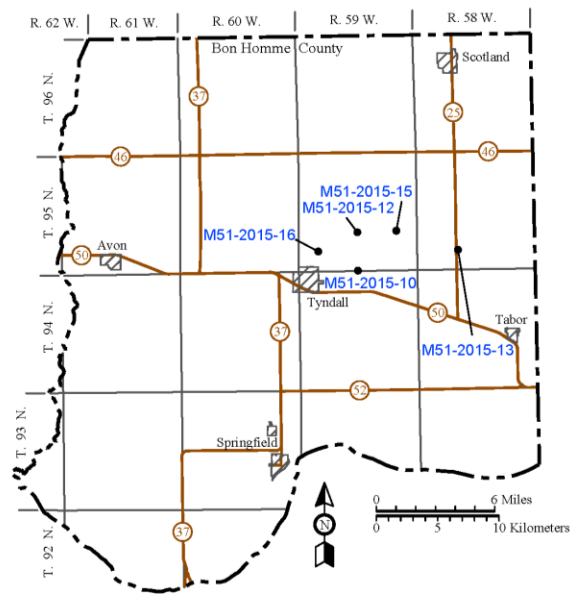
- SP-800 Sample location and identifier. Blue font denotes a sample collected in 2015 or 2016
- Highway
- Township and range boundary
- - - County boundary



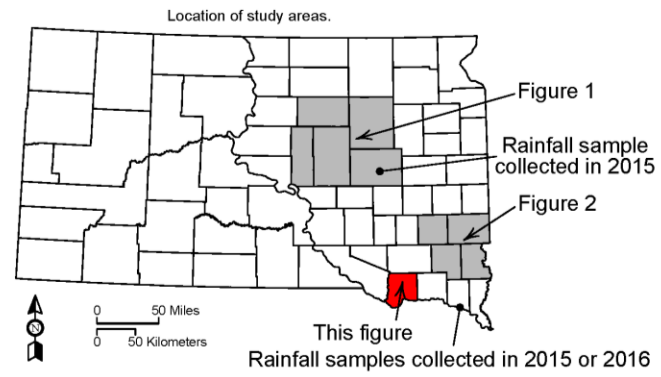
**Figure 1. Sample locations in Faulk, Hyde, Hand, Spink, and Beadle Counties.**



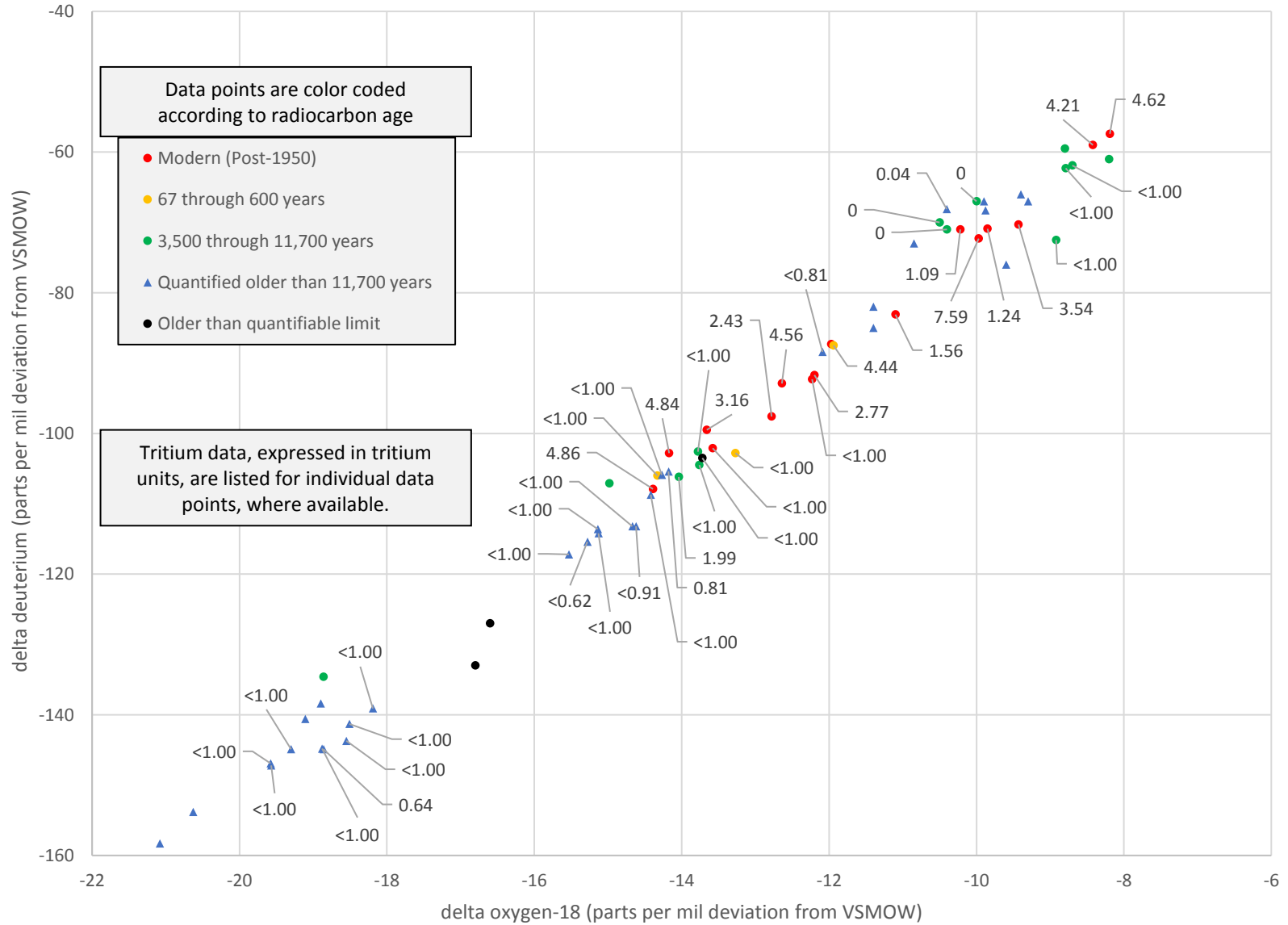
**Figure 2. Sample locations in McCook, Minnehaha, Turner, and Lincoln Counties.**



- M51-2015-10 ● Sample location and identifier. Samples collected in 2016
- Highway
- Township and range boundary
- - - County boundary

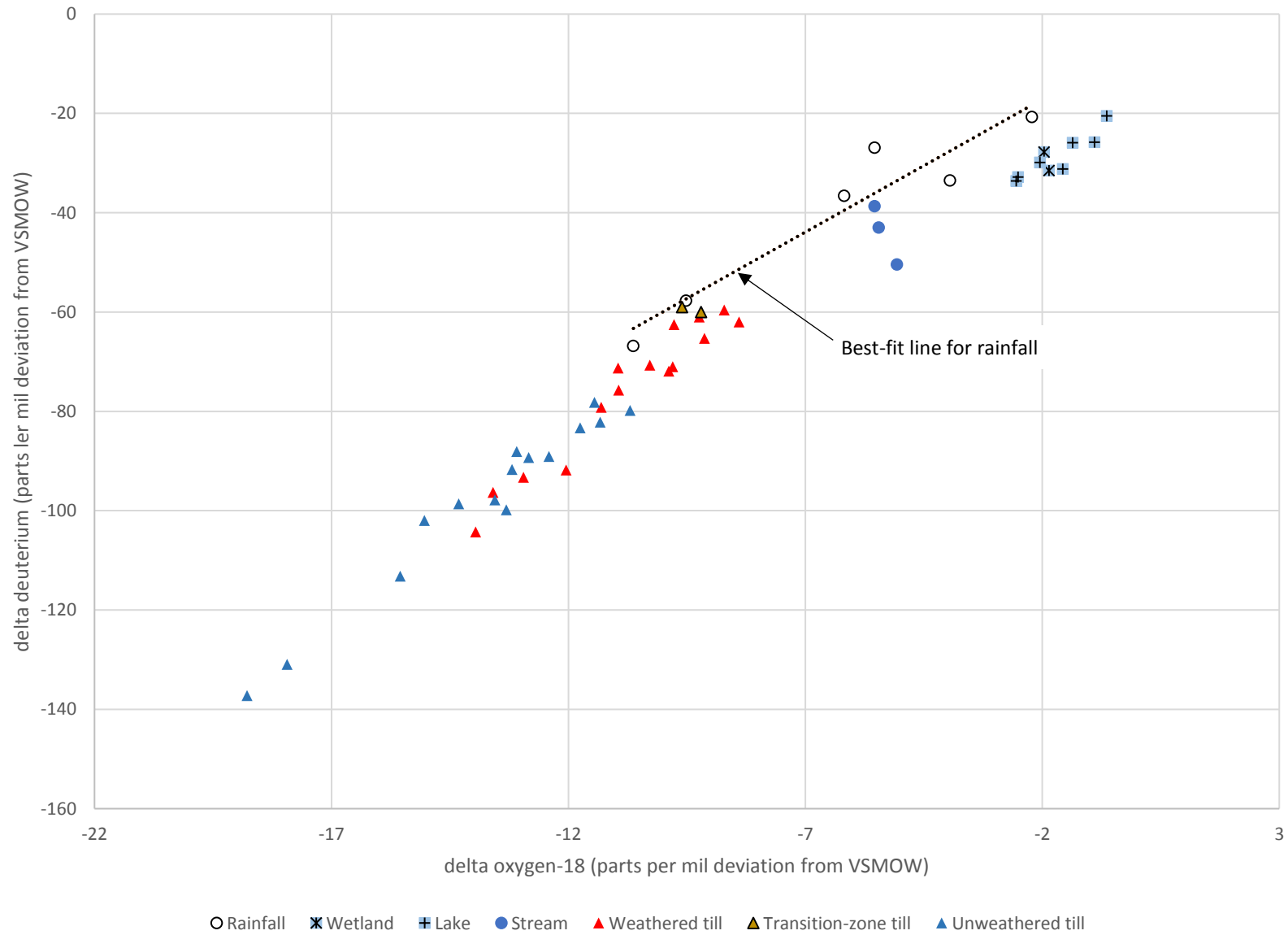


**Figure 3. Sample locations in Bon Homme County.**

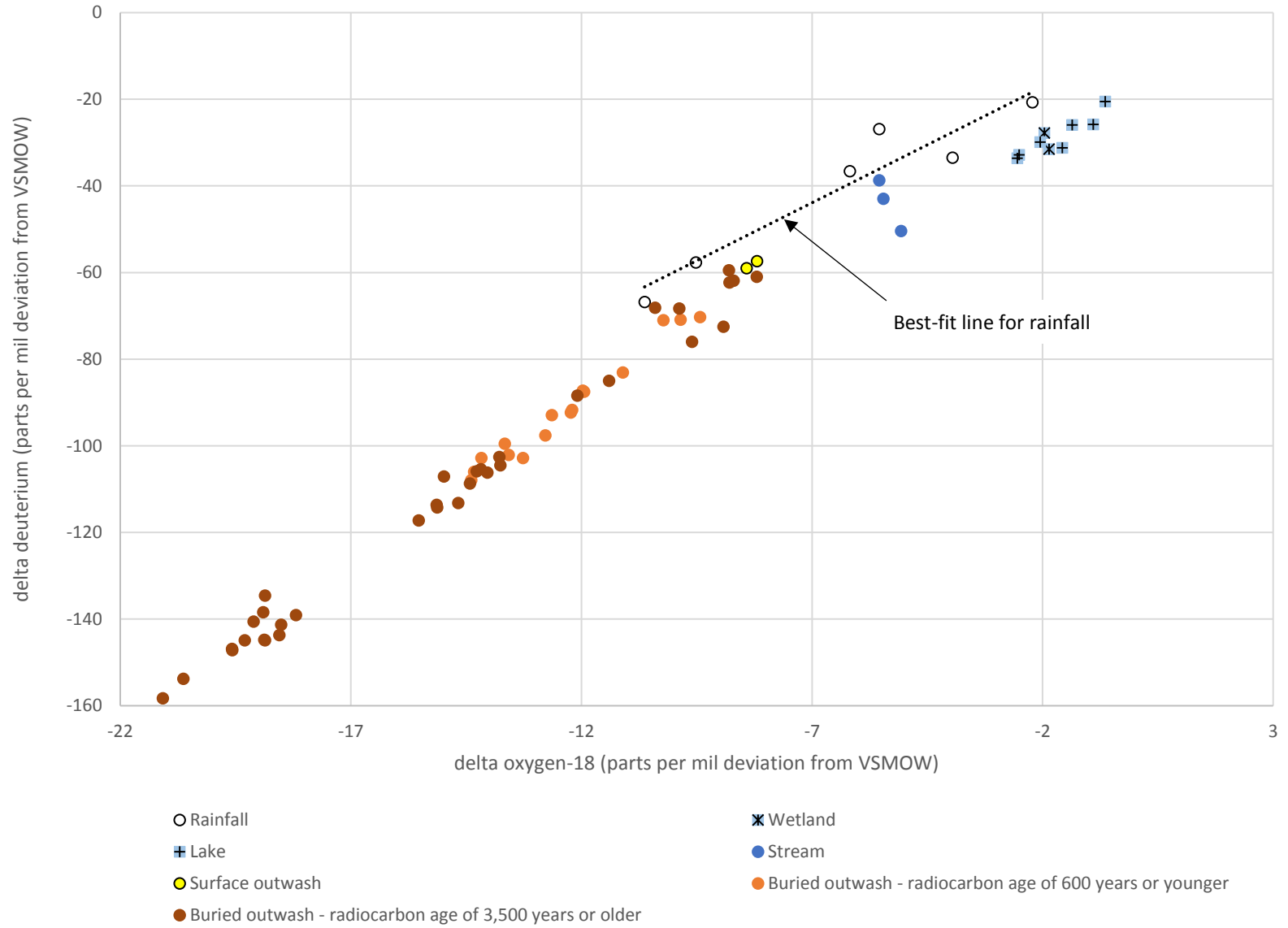


**Figure 4. Isotope data from wells completed in aquifers.**

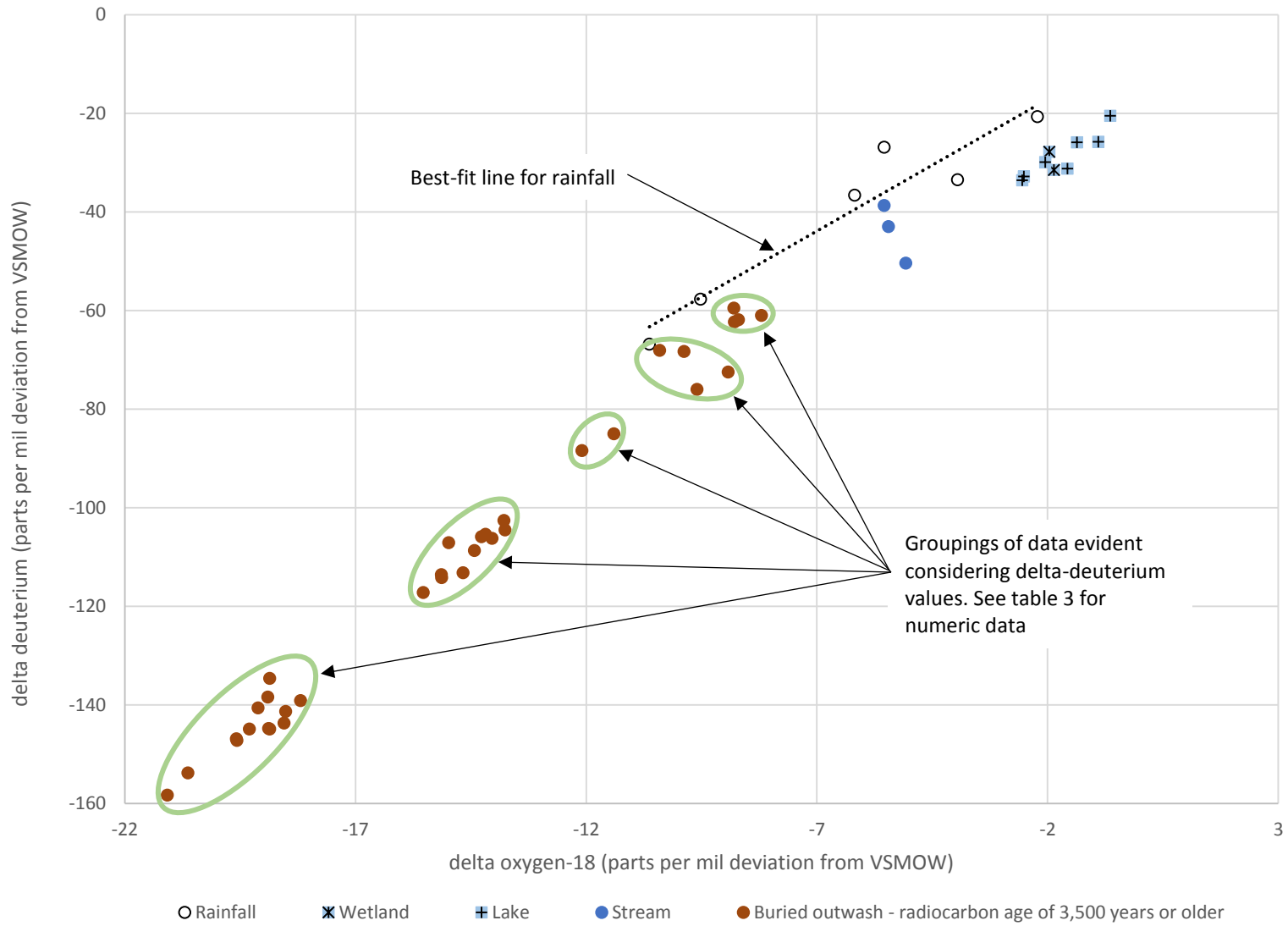




**Figure 5. Delta deuterium versus delta oxygen-18 for samples collected from till, surface water, and rainfall.**



**Figure 6. Delta deuterium versus delta oxygen-18 for samples collected from outwash, surface water, and rainfall.**



**Figure 8. Delta deuterium versus delta oxygen-18 for samples collected from outwash having water with a radiocarbon age of 3,500 years or older, surface water, and rainfall.**