

Wisconsin Department of Natural Resources
Bureau of Watershed Management (WT/3)
101 S. Webster St.
Madison, WI 53703
PO Box 7921
Madison, WI 53707-7921

Final Report Form 3400-189 (rev. 7/30/09)

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

NOTICE: This Final Report is authorized under ss. 281.65 and 281.66., Wis. Stats., and chs. NR 153 and NR 155, Wis. Admin. Code. Personally identified information collected will be used for program administration and may be made available to requesters as required under Wisconsin Open Records Law [ss. 19.31-19.39, Wis. Stats.].

INSTRUCTIONS: Your grant agreement requires you to submit a Final Report with your final reimbursement request. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR as described in the instructions.

1. GRANT TYPE. Check the one that applies.

- | | |
|--|--|
| <input checked="" type="checkbox"/> Targeted Runoff Management Grant – Agricultural | <input type="checkbox"/> Targeted Runoff Management Grant – Urban |
| <input type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Construction | <input type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Planning |
| <input type="checkbox"/> Notice of Discharge Grant | |

2. PROJECT NAME & LOCATION.

2.1. Project Name: Erickson Farm Manure Storage	2.2. Grant Number: TRC-WR09-44000-10A	
2.3. Governmental Unit Name: Outagamie County	2.4. Primary Watershed Name: North Branch & Mainstem Embarrass River	2.5. Watershed Code: WR09

NOTE FOR SECTION 2.6 (which follows):

Section 2.6. includes five (5) columns (A. through E.) for recording data about five (5) discrete site locations. If your grant has more than five (5) discrete project locations, attach additional columns for Section 2.6 as described in the instructions. If your project occurs in more than one 12-digit Hydrologic Unit Code (HUC), use the space in adjacent columns to record other HUC numbers.

2.6 Site Location(s) ->	A.	B.	C.	D.	E.
Name of Cost-Share Recipient or Governmental Unit	Randy and Carol Erickson				
Cost-Share Agreement Number (Agricultural only)	2011-TRM-05				
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	040302021301				
Nearest Surface Receiving Water Affected					
Name:	unnamed tributary to Embarrass River				
Waterbody Identification Code(s) (WBIC):	Embarrass River - 291900				
Nearest Impaired Water Affected					
Name:	N/A				
Waterbody Identification Code(s) (WBIC):					
Pollutants Reduced					
Impairments/Impacts Addressed					

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Project Location(s) (cont.) →	A.	B.	C.	D.	E.
Project Coordinates:					
Town	24N				
Range	15E				
Section	5				
Quarter	NW				
Quarter-Quarter	SW				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	44 35'9" N				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	88 43' 0" W				

3. SUMMARY OF RESULTS:

Table A. Agricultural Projects.—Ch. NR 151 Performance Standards and Prohibitions and Other Water Resources Management Priorities			
A. 1. Management Measures	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting "T"	acres	
Manure Storage Facilities: New Construction/Alterations	Number of facilities	1 facilities	
	Number of animal units	560 animal units	ANIMAL UNIT CALCULATION SPREADSHEET
Manure Storage Facilities: Closure	Number of facilities	facilities	
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	facilities	
	Number of animal units	animal units	
Clean Water Diversions in WQMA	Pollutant load reduction	lbs.	
	Number of farms with diversions	farms	
	Number animal units	animal units	
Nutrient Management on Agricultural Land	Acres planned	acres	
Prohibition: Manure Storage Overflow	Number of farms	farms	
	Number of animal units	animal units	
Prohibition: Unconfined Manure Pile in WQMA	Number of farms	farms	
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	lbs.	
	Number of facilities	facilities	
	Number of animal units	animal units	
Prohibition: Unlimited Livestock Access	Feet of bank protected	feet	
	Number of farms	farms	

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Table A: Agricultural Projects (continued)			
A.2. Other Management Measures			
	Units of Measure	Quantity	Measurement Method Used
Streambank & Shoreline Protection	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		

Table B: Urban Construction Projects Serving Developed Areas			
B.1. Required Management Measures			
	Units of Measure	Quantity	Measurement Method Used
20-40% Total Suspended Solids (TSS) Reduction for NR 216 communities	TSS reduced	lbs.	
	TSS reduction	%	
B.2. Other Management Measures			
20-40% Reduction in TSS for non-NR 216 communities	TSS reduced	lbs.	
	TSS reduction	%	
Infiltration	Pre-development stay-on volume	%	
	Stay-on volume	ft ³ /year	
Peak flow discharge for 2 year/24 hour design storm	Change in cubic feet per second for design year	ft ³ /sec	
Protective areas	Bank protected	feet	
Fueling & maintenance areas	Oil sheen presence reduced	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Streambank & Shoreline Protection	Bank erosion reduced	tons	
	Bank protected	feet	
Other:	Pollutant load reduction (if method available)		
	Units (use feet, acres or number as applicable)		

Table C: Urban Planning Projects			
C.1. Governmental unit(s) involved (list by name):			
C.2. Estimate total acres covered by the			
	Existing Developed Urban Areas	New Development	Total Acres

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planning product:	acres	acres	acres
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C.3. Products developed (check all below that apply)	Identify Documents by Name (if applicable)
<input type="checkbox"/> Storm Water Plan	
<input type="checkbox"/> Construction or Erosion Ordinances	
<input type="checkbox"/> Post-construction Storm Water Ordinances	
<input type="checkbox"/> Other Types of Storm Water Quality Ordinances	
<input type="checkbox"/> Financing Methods: identified and evaluated	
<input type="checkbox"/> Financing Methods: developed or implemented	
<input type="checkbox"/> I & E Plan	
<input type="checkbox"/> I & E Implementation Activities	
<input type="checkbox"/> Other:	
C.4. Identify the Storm Water goals addressed (check all that apply)	
<input type="checkbox"/> Reduce TSS	Comments:
<input type="checkbox"/> Maintain infiltration	
<input type="checkbox"/> Control Peak Flow	
<input type="checkbox"/> Protective Areas	
<input type="checkbox"/> Control of Fueling & Maintenance Areas	
<input type="checkbox"/> Remove Illicit Discharges	
<input type="checkbox"/> Other:	

4. Satisfaction of Notice Requirements: If cost sharing for this project was offered under a formal notice pursuant to chs. NR 151 or 243, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Chs. NR 151 or 243 Notice Type	Issue Date	From (Name)	To (Name)	Satisfied?		Date Letter Sent
				Yes	No	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

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5. Additional Information. (Space will expand to fit your text.)

6. Summary of Project Challenges. (Space will expand to fit your text.)

7. Grantee Certification.

Checking here ☒ certifies that, to the best of your knowledge, the information contained in this report is correct.


Name of Authorized Representative (type or print) ↓

Quint Krueger

Title of Authorized Representative (type or print) ↓

Technician

Signature of Authorized Representative



Date

11-1-11

8. For Departmental Use Only.

Regional NPS Coordinator: Please complete the following:

8.A. Check here ☐ if you have received the following from the project sponsor:

- one (1) printed, signed, original Final Report + attachments
- one (1) electronic version of Final Report

Send the printed, signed original Final Report with attachments + electronic version to the Community Financial Assistance Grants Manager. Community Financial Assistance will forward to Runoff Management Section Grants Coordinator.

8.B. Comments about this project:

8.C. Type or print Name of Regional NPS Coordinator →

8.D. Signature of Regional NPS Coordinator

8.E. Date

NUTRIENT MANAGEMENT PLAN CHECKLIST

V 11/9/05

For Wisconsin's NRCS 590 (September 2005) Nutrient Management Standard Requirements

County name: Outagamie Date Plan Submitted: March 24 2011 Growing season year NMP plan is written for 2011
 Township (T: N., S.) - (R: E., W.) Initial Plan or Updated Plan (circle one) (from harvest to harvest)

Name of qualified nutrient management planner Paul Knutzen		Planner's business name, address, phone: Knutzen Crop Consulting 920-982-9815 13549 Pamela Lane New London WI 54961	
Circle the planner's qualification: 1. NAIGCC-CPCC 2. <u>ASA-CCA</u> 3. ASA-Professional Agronomist 4. SSSA-Soil Scientist 5. DATCP approved training course 6. Other credentials approved by DATCP	Cropland Acres (owned & rented) 595.5A	Name of farmer receiving nutrient management plan: Randy Erickson Circle relevant program requirement or regulation the plan was developed for: Ordinance <u>USDA</u> DATCP, DNR, NR 243 - NOD or WPDES	

	Yes	No	NA
1. Are the following field features identified on maps or aerial photos in the plan?			
a. Field location, soil survey map unit(s), field boundary, and field identification number <u>on file</u>	<input checked="" type="checkbox"/>		
b. Areas prohibited from receiving nutrient applications: Surface water, established concentrated flow channels with perennial cover, permanent non-harvested vegetative buffer, non-farmed wetlands, sinkholes, lands where established vegetation is not removed, nonmetallic mines, and fields eroding at a rate exceeding tolerable soil loss (T)	<input type="checkbox"/>		
c. Areas within 50 feet of a potable drinking water well where mechanically-applied manure is prohibited	<input checked="" type="checkbox"/>		
d. Areas prohibited from receiving winter nutrient applications: Slopes > 9% (12% if contour-cropped); Surface Water Quality Management Area (SWQMA) defined as land within 1,000 ft of lakes and ponds or within 300 ft of perennial streams draining to these waters, unless manure is deposited through winter gleaning/pasturing of plant residue and not exceeding the N and P requirements of this standard; Additional areas identified within a conservation plan as contributing runoff to surface or groundwater	<input checked="" type="checkbox"/>		
e. Areas where winter applications are restricted unless effectively incorporated within 72 hours: Land contributing runoff within 200 feet upslope of direct conduits to groundwater such as a well, sinkhole, fractured bedrock at the surface, tile inlet, or nonmetallic mine	<input checked="" type="checkbox"/>		
f. Sites vulnerable to N leaching: Areas within 1,000 feet of a municipal well, and soils listed in Appendix 1 of the Conservation Planning Technical Note WI-1	<input checked="" type="checkbox"/>		
2. Are erosion controls implemented so the crop rotation will not exceed T on fields that receive nutrients according to the conservation plan or WI P Index model?	<input checked="" type="checkbox"/>		
3. Were soil samples collected and analyzed within the last 4 years according to UW Publication A2100 recommendations?	<input checked="" type="checkbox"/>		
4. Using the field's predominant soil series and realistic yield goals, are planned nutrient application rates, timing, and methods of all forms of N, P, and K listed in the plan and consistent with UW Publication A-2809, Soil Test Recommendations for Field, Vegetable and Fruit Crops, and the 590 standard?	<input checked="" type="checkbox"/>		
5. Do manure production and collection estimates correspond to the acreage needed in the plan? Are manure application rates realistic for the calibrated equipment used?	<input checked="" type="checkbox"/>		
6. Is a single phosphorus (P) assessment of either the P Index or soil test P management strategy uniformly applied to all fields within a tract?	<input checked="" type="checkbox"/>		
7. Are areas of concentrated flow, resulting in reoccurring gullies, planned to be protected with perennial vegetative cover?	<input checked="" type="checkbox"/>		
8. Will nutrient applications on non-frozen soil within the SWQMA comply with the following?			
a. Unincorporated liquid manure on unsaturated soils will be applied according to Table 1 of the 590 standard to minimize runoff	<input checked="" type="checkbox"/>		
b. One or more of the following practices will be used: 1) Install/maintain permanent vegetative buffers, or 2) Maintain greater than 30% crop residue or vegetative coverage on the surface after nutrient application, or 3) Incorporate nutrients leaving adequate residue to meet tolerable soil loss, or 4) Establish fall cover crops promptly following application	<input checked="" type="checkbox"/>		

I certify that the nutrient management plan represented by this checklist complies with Wisconsin's NRCS 590 nutrient management standard.

Signature of qualified nutrient management planner

Paul Knutzen

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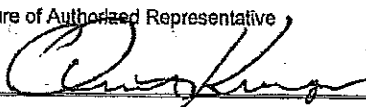
Name of Authorized Representative (type or print) ↓

Quint Krueger

Title of Authorized Representative (type or print) ↓

Technician

Signature of Authorized Representative



Date

11-1-11

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8.B. Comments about this project:

8.C. Type or print Name of Regional NPS Coordinator →

Casey L. Jones

8.D. Signature of Regional NPS Coordinator



8.E. Date

11-5-11

Targeted Runoff Management Grant Program

Cost-Share Agreement

Addendum 2 – Best Management Practice(s), Cost(s) and Installation Schedule

Form 3400-069 (9/03)

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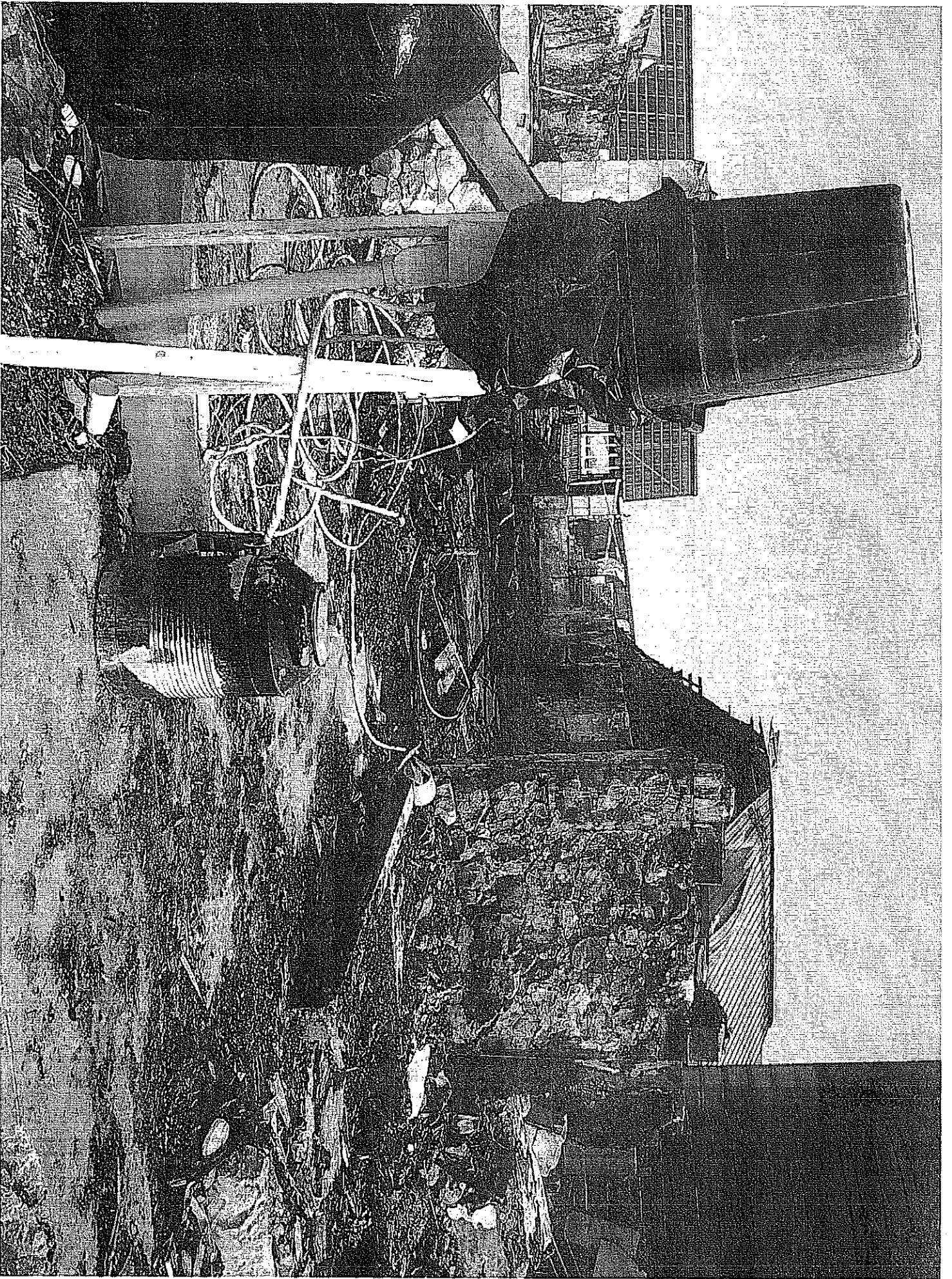
The cost-share recipient shall implement and maintain all best management practices listed in this Addendum, unless otherwise amended in accordance with this agreement.

		Installation Period								
		From (MM/YY)	To (MM/YY)							
		January 1, 2010	December 31, 2011							
Field #	DNR BMP Code	Practice Name	Quantity	Unit	Unit Cost	Estimated Total Cost	State Cost-Share Rate (%)	Estimated State Cost-Share Amt.	Cost-Share Amt. From Other Programs*	Estimated Year to be Installed
	R16	Manure Storage Systems	1	EA		\$157,142	70%	\$110,000		2011
	R18	Nutrient Management		AC		\$0		\$0		2011
	R33	Waste Transfer System	1	EA		\$57,142	70%	\$40,000		2011
Totals						\$214,284		150,000**		

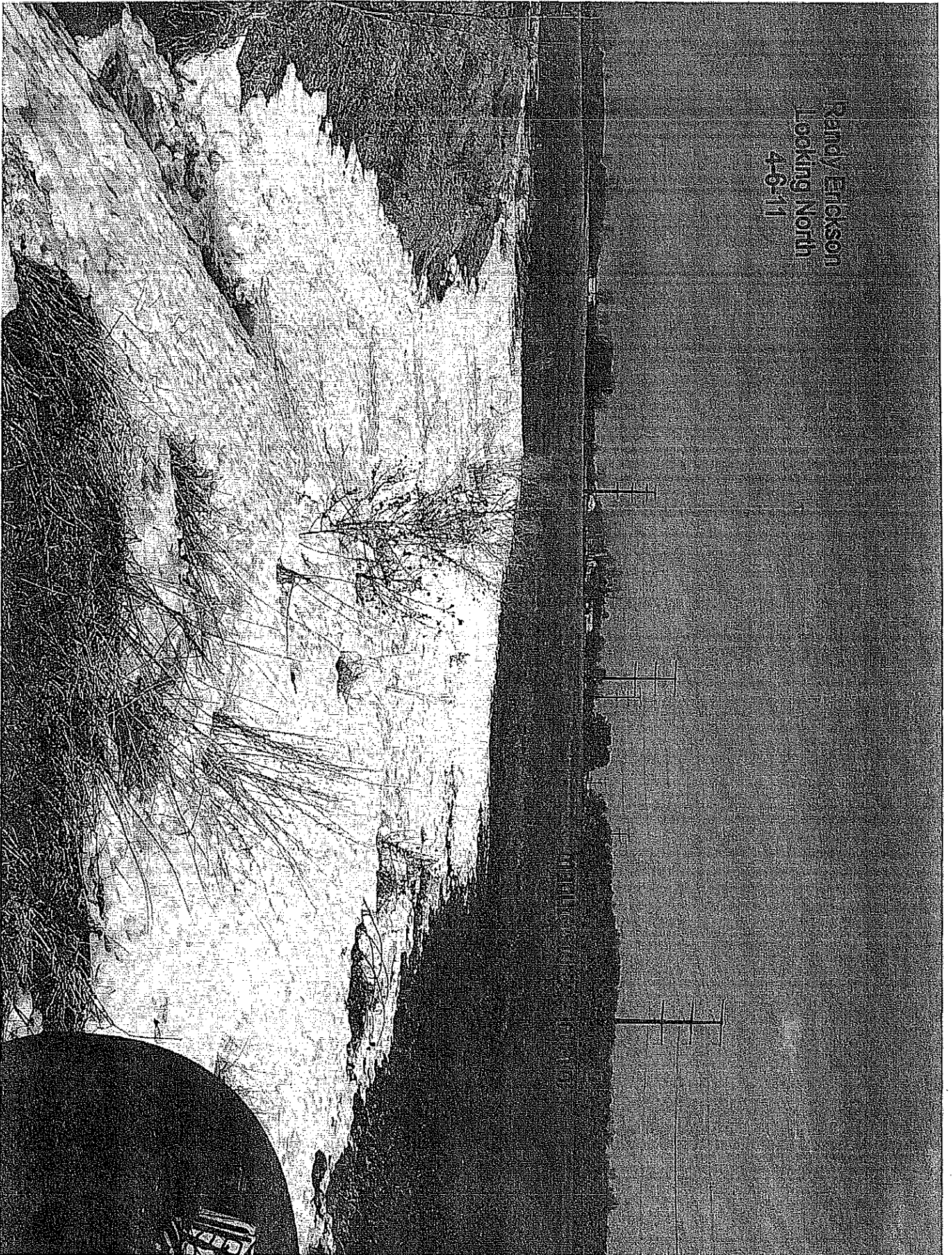
* Identify Program Name(s): _____

** The final cost-share amount may be more or less based on actual eligible costs.

CSA Number 2011-LWRM-05	Typed Name of Landowner/Operator Randal and Carol A Erickson	Initials of Landowner/Operator R.E. C.A.E.	Date 7-26-11
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Randy Erickson
Looking North
4-6-11



NOV/ 2/2011

