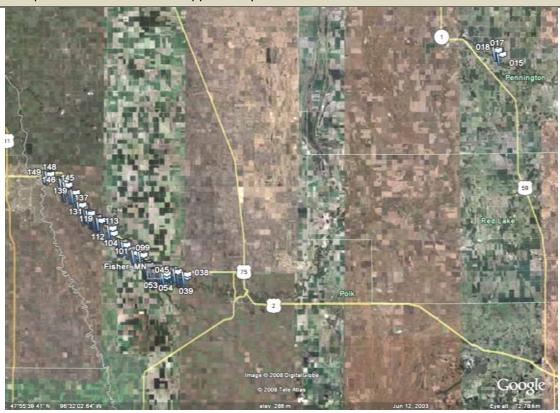
Red Lake River Erosion Site and Assessment Catalog

Common knowledge holds that erosion is a major problem along the Lower Red Lake River. When it comes to the question of where to start fixing the problem, our knowledge is limited. The need to prioritize erosion problems and site for implementation efforts has become clear. This document catalogs the erosion sites that have, so far, been visited. The RLWD began conducting site visits in 2007, collecting photos and GPS points, of erosion sites along the Red Lake River. Many of these were collected during portions of the red lake River Rendezvous canoe trip. There are many other sites in the watershed that have not been visited yet, so this is just a fraction of the erosion problems that exist along the river. Each page contains a map of the site location and a basic assessment of the severity of the erosion problem. Sites are organized by assessment score – from severe to moderate to minor. There is a separate section for those sites that are threatening roads, buildings, or other infrastructure.

While the eroding stream banks documented here may just be symptoms of a greater problem, the higher priority sites could be addressed, especially those threateni9ng roads, buildings, or infrastructure. Generally, most of the cutbanks on the outside of bends in the Lower Red Lake River are actively eroding. Another general observation is that there seems to be less slumping where the streambanks are wooded and massive slumps are common where farming and other anthropogenic enterprises encroach upon the river and have stripped away the trees.



Threatening Infrastructure or homes

Streambank Erosion Severity I Joe Hanson site upstream of t		av 32 hridge	over the Red Lake River
		ay 32 bi luge	over the neu take river
First site visit on January 24, 2	007		一张《新维》文学的《新维》
OBSERVATION		SCORE	
Condition of bank		5	The state of the s
Toe and upper bank eroding	5		
Toe undercutting	3		The second second
Toe stable, upper bank eroding	1		
Problem Trend		5	The state of the s
Increasing	5		
Decreasing or stable	1		The state of the s
Side-slope of bank		5	
Vertical, 1:1	5		
2:1, 3:1	2		
4:1 or flatter	1		
Length of eroded bank		5	and the State of t
More than 50 ft.	5		The state of the s
20 to 50 ft.	3		
Less than 20 ft.	1		The state of the s
Depth of river		2	
More than 3 ft.	2		The state of the s
Less than 3 ft.	1		The state of the s
Soil type or texture		3	
Sand	3		
Gravel	2		
Stratified	2		
Clay, loam	1		
Vegetative Cover on bank slope		5	The state of the state of
0-10%	5		
10-50%	3		
50-100%	1		1 An I WARREN
Apparent cause of erosion		2	(中国) (中国) (中国) (中国) (中国) (中国) (中国) (中国)
Light access traffic	1		
Obstruction in river	1		The state of the s
Bank seepage	1		
Gullying by side channels	1		
Bend in river	2		
Wave action (impoundments)	2		ST S
Road-stream crossing;			
grade/shoulder runoff	3		N WAR TO THE TOTAL PROPERTY OF THE PARTY OF
Moderate access traffic	3		
Heavy access (foot, horse, etc.)	1		
traffic	5		A STATE OF THE STA
Mean height of eroded bank		7	The state of the s
More than 20 ft.	7	,	
10 to 20 ft.	5		
5 to 10 ft.	3		
Less than 5 ft.	1		
Current		2	Eventual threat to new Hwy 32 Bridge and
	_		-
Fast	2		Hwy itself.
Slow	1		
Total Points for site		41	Severe

0-100% upparent cause of ending the access traffic obstruction in river where action (impout oad-stream crossing doderate access traffeavy access (foot, 10 Mean height of erod for than 20 ft. 10 to 20 ft.	nnels ndments) ng; effic horse, etc.)	1 1 1 1 1 2 2 3 3 5	2 x x x
ppparent cause of er ight access traffic bbstruction in river lank seepage sullying by side char lend in river Vave action (impou load-stream crossin Moderate access tra leavy access (foot, in Mean height of erod More than 20 ft.	nnels ndments) ng; effic horse, etc.)	1 1 1 1 1 2 2 3 3 5	x x x
pparent cause of er ight access traffic obstruction in river sank seepage sullying by side char end in river Vave action (impou load-stream crossin Moderate access tra leavy access (foot, i Mean height of erod	nnels ndments) ng; effic horse, etc.)	1 1 1 1 1 2 2 3 3 5	x x x
pparent cause of er ight access traffic obstruction in river sank seepage sullying by side char end in river Vave action (impou oad-stream crossin doderate access tra leavy access (foot,	nnels ndments) ng; effic horse, etc.)	1 1 1 1 1 2 2 2 3 3	x x x
pparent cause of en ight access traffic l'obstruction in river lank seepage iullying by side chai lend in river Vave action (impou load-stream crossin Moderate access tra	nnels ndments) ng; affic	1 1 1 1 1 2 2 2 3 3	x x
ppparent cause of en ight access traffic l'obstruction in river iank seepage iullying by side chai end in river Vave action (impou oad-stream crossin	nnels ndments) ng;	1 1 1 1 1 2 2	x x
pparent cause of en ight access traffic Obstruction in river iank seepage iullying by side char end in river Vave action (impou	nnels ndments)	1 1 1 1 1 2	x x
pparent cause of en ight access traffic Obstruction in river ank seepage iullying by side char end in river	nnels	1 1 1 1 1 2	x x
pparent cause of en ight access traffic Obstruction in river ank seepage iullying by side cha		1 1 1 1 1	x x
pparent cause of er ight access traffic Obstruction in river ank seepage		1 1 1 1	×
apparent cause of er ight access traffic Obstruction in river	osion	1 1 1	
pparent cause of er	osion	1	2
pparent cause of er	osion	3	2
		3	
0-100%		3	
0-50%			
-10%		5	×
egetative Cover on	bank slope		5
lay, loam		1	x
tratified		2	
iravel		2	
and		3	
oil type or texture			1
ess than 3 ft.		1	
Nore than 3 ft.		2	X
epth of river			2
		1	
ess than 20 ft.		1	
O to 50 ft.		3	^
ength of eroded bai Nore than 50 ft.	in.	5	×
ength of eroded ba	nk		5
:1 or flatter		1	
:1, 3:1		2	
ertical, 1:1		5	×
ide-slope of bank			5
ecreasing or stable	:	1	
ncreasing		5	x
roblem Trend			5
oe stable, upper ba	nk eroding	1	
oe undercutting		3	
oe and upper bank	eroding	5	×
ondition of bank		-	5
OBSER	RVATION		SCORE
ite visits on	6/8/2	007 11	
ite Description ite visits on		erodir 007 11	_

Streambank Erosion	Severity Inde	ex				
Site Description	Eroding b	ank downs	tream of Harts	sville Coule	e Diversion struct	ure
Site visits on	6/10/200	7 10:51		lat/long:	N47 53.980 W9	5 58.439
OBSE	RVATION		SCORE	Sandan (10 3	
Condition of bank			5		The second	MINE
Toe and upper bank	eroding	5	X	• 6		400
Toe undercutting	Litering	3				2
Toe stable, upper ba	nk eroding	1		(LXC)		
Problem Trend			5	八月多		100000000000000000000000000000000000000
Increasing		5	X	三	的一	
Decreasing or stable		1		PHI		
Side-slope of bank			5	1	1 1	"2" "
Vertical, 1:1		5	X			
2:1, 3:1		2		all.		•
4:1 or flatter		1			12 1	
Length of eroded b	nank		5			- Google
More than 50 ft.	ZWIIN	5	X	W. Carlo	The state of the state of	S 12 1 1 2 2 2 2
20 to 50 ft.		3		160	1	6
Less than 20 ft.		1		N. M.	No. of Section 1	
Depth of river			2		T. 1	
More than 3 ft.		2	x			
Less than 3 ft.		1			1 1	
Soil type or texture	Δ		1			
Sand		3	1			
Gravel		2				A. V. C. C. C.
Stratified		2				
Clay, loam		1	x			
Vegetative Cover	on bank slo	pe	5		President Control	
0-10%		5	х	r Comment	The state of the s	V
10-50%		3				The second
50-100%		1		-	100	
Apparent cause of	erosion		2	432	30.00	
Light access traffic		1		1		
Obstruction in river		1				
Bank seepage		1				3
Gullying by side char	nnels	1				
Bend in river		2	x	Nagional .	A CAPACITA	at the plane course of their
Wave action (impour		2				(3)
Road-stream crossin		3		Lag.	A STATE OF THE PARTY OF THE PAR	£4.
Moderate access tra		3		4		
Heavy access (foot, h		5			The same of	
Mean height of er	oded bank		3	1		
More than 20 ft.		7		AND SECTION	Mark - proper	7 2 - NO.
10 to 20 ft. 5 to 10 ft.		5				
5 to 10 π. Less than 5 ft.		3	X			302
		1				
Current			1			
Fast Slow		2				
	_	1	X			
Total Points for sit	e		34	Mod	lerate	
0-30 Minor		30-36	Moderate		>36 Sever	_

Streambank Erosion Se	everity Index	(
Site Description	Eroding ba	nk threateni	ng to cut a	cross bend i	in river near Hwy 200 Crossing
Site visits on	6/10/2007	10:21		lat/long:	N47 53.686 W96 57.565
OBSER	VATION		SCORE	The state of the s	
Condition of bank			5	1 4	C
Toe and upper bank er	oding	5	х		
Toe undercutting		3		- Higgs	
Toe stable, upper bank	k eroding	1		発見の	
Problem Trend			1		The same of the sa
ncreasing		5		1	The state of the s
Decreasing or stable		1	x		12/10/10/10/10/10
Side-slope of bank			5		TO SERVICE AND THE REAL PROPERTY OF THE PERTY OF THE PERT
/ertical, 1:1		5	X	(JE	
2:1, 3:1		2			
4:1 or flatter		1			A TO SECOND
Length of eroded ba	ank		5	The state of the s	
More than 50 ft.		5	X	1	and the an
20 to 50 ft.		3			Cons
Less than 20 ft.		1	_	Name of Public Post of	And the second s
Depth of river		_	2	A CONTRACTOR	
More than 3 ft.		2	X		
Less than 3 ft.		1			The second second
Soil type or texture			1	No.	
Sand		3			
Gravel		2			
Stratified		2		9	THE WAY TO SEE
Clay, loam		1	х		
Vegetative Cover o	n bank slop		5	-//233	
0-10%		5	x	NAME OF	
10-50%		3			
50-100%		1			TO A THE PROPERTY OF THE
Apparent cause of e	erosion		2		
Light access traffic		1		TO STREET	
Obstruction in river		1			Coop
Bank seepage	_	1		- It to I had not	Mariana Maria Profesio
Gullying by side chan	neis	1		·	
Bend in river	d\	2	Х	6011	
Wave action (impound		2		C Comments	
Road-stream crossing Moderate access traff		3			
		5		z Z	
Heavy access (foot, ho		5	5	4	Fig. 19 Townson and the second
Mean height of ero	ueu pank	7	5	200000	AND A STATE OF THE PARTY OF THE
More than 20 ft.		7		1300	- market dealers
10 to 20 ft. 5 to 10 ft.		5 3	Х	11/10	CONTRACTOR OF THE PARTY OF THE
				THE REAL PROPERTY AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AN	
Less than 5 ft. Current		1	1		CONTRACTOR OF THE PARTY OF THE
		2	1		Control of the Contro
Fast Slow					THE RESIDENCE OF THE PARTY OF T
		1	Х	Virtual Earth."	The day not the second
Total Points for site			32	Mod	derate
	1				

Streambank Erosion Severity Index		Site 49	
Site Description Eroding cutbank :	1.7 miles	east of Fisher	
Site visits on 6/8/2007 10:2			lat/long: N47 47.487 W96 45.400
OBSERVATION	.0	SCORE	10.0 long. 10.47 47.407 W30 43.400
Condition of bank Toe and upper bank eroding	5	3	On Market and Market a
Toe undercutting	3	x	
Toe stable, upper bank eroding	1	^	
Problem Trend		5	
Increasing	5	X	CLASSE BOOK OF THE REAL PROPERTY.
Decreasing or stable	1	^	A STATE OF THE PARTY OF THE PAR
Side-slope of bank	_	5	
Vertical, 1:1	5	X	TO BUILDING TO STATE OF THE STA
2:1, 3:1	2	^	
4:1 or flatter	1		
Length of eroded bank		5	
More than 50 ft.	5	X	A CONTRACTOR OF THE SECOND
20 to 50 ft.	3	^	d parter are
Less than 20 ft.	1		the state of the s
Depth of river		2	
More than 3 ft.	2	X	A state of
Less than 3 ft.	1	^	The state of the s
Soil type or texture		1	
Sand	3	1	
Gravel	2		
Stratified	2		
Clay, loam	1	х	
Vegetative Cover on bank slope		3	
0-10%	5		
10-50%	3	x	
50-100%	1		
Apparent cause of erosion		3	The second of th
Light access traffic	1		
Obstruction in river	1		
Bank seepage	1		
Gullying by side channels	1		
Bend in river	2	х	
Wave action (impoundments) Road-stream crossing; grade/shoulder	3		
Moderate access traffic	3	×	
Heavy access (foot, horse, etc.) traffic	5	_ ^	and the same of th
Mean height of eroded bank		3	
More than 20 ft.	7	3	
10 to 20 ft.	5		
5 to 10 ft.	3	x	
Less than 5 ft.	1	^	
Current		2	
Fast	2		
Slow	1	x	
Total Points for site		32	Moderate
0-30 Minor	30-36	Moderate	>36 Severe
There is a road built along the streambank		woder ate	Severe Severe
mere is a road built along the streambank	•		

Streambank Erosion	Severity Index		Sites 40-41				
Site Description	Eroding streambar	nk 3.2 m	iles SE of Fish	er			
Site visits on	6/8/2007 9:54	ı		lat/long:	N47 46.926	W96 44.35	59
	BSERVATION		SCORE	321	4 112	100	The street of the
Condition of bank			5	- F- 10	STATE OF THE	NO STORE	THE RESERVE OF THE PERSON NAMED IN
Toe and upper bank		5	X		是相		1
Toe undercutting	eroung	3	^	10d 92		10.50	THE REPORT OF THE PARTY.
Toe stable, upper ba	nk eroding	1		Law.			
Problem Trend	TIK Croding	_	1			Tree (State of the last
		5	1	110	1 may		100
Increasing Decreasing or stable		1					VSO
		1	X			and the	D. Ban
Side-slope of ban	K		5	1 200			
Vertical, 1:1		5	X	1 62			
2:1, 3:1 4:1 or flatter		2				38	THE RESERVE
		1	_		Same of		
Length of eroded	bank		5	194	TO STORY	9/10	
More than 50 ft.		5	X			1	CONTRACTOR OF THE PARTY OF THE
20 to 50 ft.		3		No. of Lot	R. Tarriera	-Congr	300
Less than 20 ft.		1					
Depth of river			2				
More than 3 ft.		2	x				
Less than 3 ft.		1					
Soil type or textur	e		1				
Sand		3					
Gravel		2		Sis.			
Stratified		2		The state of	ASSESSION		144
Clay, loam		1	X			Kilda.	4
Vegetative Cover	on bank slope		3			是是	
0-10%		5			在 15月1		A VILLE OF THE PARTY OF THE PAR
10-50%		3	х		A SHIDTER AND AND		The state of the s
50-100%		1				Y-11.	
Apparent cause of	erosion		2				
Light access traffic		1					
Obstruction in river		1					
Bank seepage		1					TO SHOW
Gullying by side cha	nnels	1			7		A PORTOR
Bend in river		2	X		1	37	4/0
Wave action (impou		2			-		
Road-stream crossir Moderate access tra		3		1			343
Moderate access tra Heavy access (foot, l		5		Water .	1	M.Sie	The same
			-		A STATE	1.00	
Mean height of er	oded bank	_	3	100	See as Decree		
More than 20 ft. 10 to 20 ft.		7		THE STREET	TO BANK		
		5				- M	CONTRACTOR SELECTION
5 to 10 ft. Less than 5 ft.		3	X				
		1	-	Sugar.	man len		THE THE PERSON
Current			2		**************************************		
Fast		2		5 N. S.		STEEL STEEL	North State
Slow		1	X		Carlotte Control	5 63	
Total Points for sit	ie .		29	_ N	linor		
		30-36	Moderate		>36	Severe	

Streambank Erosion Sev	erity Inde	x						
			d, outside of	a hendi sou	ith of Mall	orv		
	6/9/2007		u, outside of	lat/long:		419 W96 54.6	573	
		15.40		rat/rong.	1147 31.4	+15 0050 54.0)/2	
OBSERV	AHON		SCORE		18 Pa			
Condition of bank			3			75 CER	Acres (Street	and the same
Toe and upper bank ero	ding	5		150	1 7	77	The same of the sa	AMPLE TO
Toe undercutting		3	X	TAKE TO	4	AND PA		
Toe stable, upper bank	eroding	1		23- T	A Par	CAN DE	3	5 44
Problem Trend			1	THE REAL PROPERTY.	2	E	-	
Increasing		5		E L	THE PERSON	31	111	
Decreasing or stable		1	x	11-16				
Side-slope of bank			5	1				
Vertical, 1:1		5	x			4		
2:1, 3:1		2		Mark and	ALIKA	The same of		
4:1 or flatter		1		- THE P	自由这种	400	in he was	1
Length of eroded bar	ık		5	4		70	N 350	-
More than 50 ft.		5	х	The same				
20 to 50 ft.		3		Service Services		1000	The Park	_Google
Less than 20 ft.		1		Venture structure	96	600 144 m	MI	top the
Depth of river			2				PA .	AND DES
More than 3 ft.		2	×	THE PERSON			DEV	0
Less than 3 ft.		1		10.00%	6			
Soil type or texture			1	1025				
Sand		3		BECKE !			A .	100
Gravel		2		1000000 P				
Stratified		2		STATE OF	2			
Clay, loam		1	X	Sam.				
Vegetative Cover on	bank slop	e	1	1889			Maria .	
0-10%	•	5		100	No. of the		IS EST ON	
10-50%		3		The state of the s	The State of the S	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
50-100%		1	x	38		1333	EL PHE	
Apparent cause of er	osion		2	The same	All Fra	A 18 18 18 18 18 18 18 18 18 18 18 18 18		
Light access traffic		1			Service Control	1		
Obstruction in river		1		1	2000年	The same of the sa		
Bank seepage		1		1	a later of	& my		
Gullying by side channe	els	1			TOTAL .	1 0	4	- more - con-
Bend in river		2	х	-	*	and the	MARK.	muca diffe
Wave action (impoundr	ments)	2		-	A	(I) Do		10 Jan
Road-stream crossing;		3				1	-	Section
Moderate access traffic		3			100			-
Heavy access (foot, hors		5		19 :05				A
Mean height of erod	ed bank		7				San	
More than 20 ft.		7	х	-	*		2007	
10 to 20 ft.		5				200	Maria Co	and the
5 to 10 ft.		3		- 0 1	Printer.		-	
Less than 5 ft.		1		1	STATE OF THE PARTY	24 46	- 3	AND THE PERSON NAMED IN
Current			1	No. of Lot				No. of Lot
Fast		2						
Slow		1	х	-		The same of	7.1	0
Total Points for site			28	M	linor			
0-30 Minor		30-36	Moderate		>36	Severe		

Streambank Erosion Severity Index			Site 99					
Site Description	cription Tall slumping bank			west of F	isher			
Site visits on	6/9/2007	9:39		lat/long:	N47 48.6	53 W96 49	012	
OBSI	SCORE	6			and a second	200		
Condition of bank			1			100		
Toe and upper bank	•	5		B.C.				
Toe undercutting	crouning	3		STATE OF		- #	Name of Street,	10000
Toe stable, upper ba	nk eroding	1	X			*		
Problem Trend			1					
Increasing		5	1	100 6 8	Auri			
Decreasing or stable		1	x	200		and the same of		
		_	5	-				
Side-slope of ban	K	-		ic.	144	在下降 是	A PER PER	The state of
Vertical, 1:1		5	Х	ELECTION OF			El Eros	
2:1, 3:1 4:1 or flatter		2		ALC: NO	AND DE	07.8	A TOTAL	
		1			76	- A - A - A - A - A - A - A - A - A - A	201	
Length of eroded	bank		5		A B			
More than 50 ft.		5	X		1000	1	TO LOU	12/4
20 to 50 ft.		3		SW107 WW 200	-		E PO	Ga ton
Less than 20 ft.		1		A Property	1000			205 No
Depth of river			2		-			()
More than 3 ft.		2	x	1	The same of			
Less than 3 ft.		1				REEDIT		
Soil type or textur	e		1					
Sand		3		建筑 統				3.35
Gravel		2						1
Stratified		2				Ship	CONTRACTOR OF THE PARTY OF THE	300
Clay, loam		1	X	4 10 2 3 10	355		- 2 mark	
Vegetative Cover	on bank slo	oe	1	S A CO		2 1 2 2		24.5
0-10%		5		功量施工	A Design			
10-50%		3					-	
50-100%		1	x				the state of	
Apparent cause of	erosion		2		and the			
Light access traffic	2.05.01.	1						19.6
Obstruction in river		1			5	a marine man		Co
Bank seepage		1		J. 100	20			
Gullying by side cha	nnels	1		1	100	200		
Bend in river		2	x	00 23		T. T.		
Wave action (impou	ndments)	2		2	48	100		
Road-stream crossi		3		1		See I	1 20 m	
Moderate access tra		3						The same
Heavy access (foot,	horse, etc.)	5		10		-	1	*
Mean height of e	oded bank		7	10/20	1000	THE THE	400	and the
More than 20 ft.		7	X			A CONTRACTOR OF THE PARTY OF	- 100	
10 to 20 ft.		5		Total Control			14 10 L SA	100
5 to 10 ft.		3					CONTRACTOR OF THE PARTY OF THE	
Less than 5 ft.		1		262				(SE-13)
Current			2	-				SERIE -
Fast		2	_					
Slow		1	x			The second	Sales and Street	-
Total Points for sit	Α.		27	D/	linor			
			_ ZI	. IV				

Stroamhank Frosian Soverity Index			Site 98					
treambank Erosion Severity Index				r:-l		·		
ite Description Gullying from Oxbow			ow Lake Drai				_	
Site visits on	ite visits on 6/9/2007 9:29			lat/long:	N47 47.99	6 W96 48.5	49	
OBSERVATION			SCORE					
Condition of bank			3	200	ord Table		X	
Toe and upper bank	eroding	5				See All		
Toe undercutting		3	x		2000	4.3	Sales of the sales	1,000
Toe stable, upper ba	ank eroding	1			Service Line	4	The same	
Problem Trend			5	The Party	of the last	1	L. L. C.	2
Increasing		5	x	7 76	NAME OF TAXABLE PARTY.	1100		
Decreasing or stable	e	1		"ST - GHEN	THE RESERVE	B COM	30 11/1	
Side-slope of ban	k		5		No.	W 3		
Vertical, 1:1	•	5	x			646		
2:1, 3:1		2				3	1.0 to 10	
4:1 or flatter		1		STATE OF THE PARTY.	P. 15		0.10	D BUTTO
Length of eroded	bank		1			A CONTRACTOR OF		1 131
More than 50 ft.		5		497	ALC: N	十二十		F 8
20 to 50 ft.		3				a material	1500	_Coogle
Less than 20 ft.		1	X	CHURA MARKE	The second second	en Ma		Sport (Stan)
Depth of river			2	THE PERSON NAMED IN	ADMITS TO THE	Marie Control	Market .	0
More than 3 ft.		2	X	-	A 100		阿尼斯	
Less than 3 ft.		1		1	100	N.L	SECTION.	
Soil type or textu	ro	_	1	B 100 13	420		ATTRIBUTE	
Sand		3	1	160 MET #1	N. Sec.	15.00		
Gravel		2		Children and	Park	1		THE SEC
Stratified		2		管理制	18.70	SON PAR		4.7
Clay, loam		1	X	经 通知		and the		
Vegetative Cover	on hank slor	_	3	SEE SE			LEWS.	PEAKS)
0-10%	OII Dalik SiO	5	3	TO THE STATE	248			
10-50%		3	X	3 2 2 3		X O		
50-100%		1		200				ACUSA DOS
Apparent cause of	forosion		1	10 15 1				500
Light access traffic	rerosion	1			是接续是	TO SEC.		
Obstruction in river		1		1007/100	March 16	online)		_ Google
Bank seepage		1		THE RESERVE OF STREET		30.00	1001	Sprint Sten
Gullying by side cha	nnels	1	X					
Bend in river		2		- Nº				
Wave action (impor	undments)	2		Min Mary	nest f			de un
Road-stream crossi	ng;	3		THE REAL PROPERTY.	Marie Land	- MAN		100
Moderate access tra		3					Mark Comment	White to the
Heavy access (foot,	horse, etc.)	5				To do	-	
Mean height of e	roded bank		3		A STATE	2000		
More than 20 ft.		7				X		
10 to 20 ft.		5			particular in			
5 to 10 ft.		3	х				40.00	
Less than 5 ft.		1			The Real Property	1		
Current			2					
Fast		2						
Slow		1	х	571 TO STA	ANCON STATE			
Total Points for si	te		26	Mi	nor			
0-30 Minor		30-36	Moderate		>36	Severe		
o so willion		30-30	Moderate		-50	Severe		

Streambank Erosion Se	verity Inde	x					
Site Description	Large area	of sloughi	ng river bank	near resid	ence NW o	f Fisher.	
Site visits on	6/9/2007			lat/long:		118 W96 55.72	23
OBSER	VATION		SCORE	Z uz		2000	THE RESERVE
Condition of bank			5	•			
Toe and upper bank en	oding	5	X	7 7 60	1		
Toe undercutting	Julia	3		BLY I		2	
Toe stable, upper bank	eroding	1					
Problem Trend		_	1	-26	The same		- Contract of the last
Increasing		5	1	1 1 1 1	9	500	-
Decreasing or stable		1	x	A. THE	THE REAL PROPERTY.	05	
			1	1000	ACM THE	The Contract of the Contract o	
Side-slope of bank Vertical, 1:1		5	1		HILLS		1
2:1, 3:1		2		Sall a			2 11
4:1 or flatter		1	x		200 E	The Later of the L	
		1		-			Googl
Length of eroded ba More than 50 ft.	nK	-	5	The second second second			
More than 50 ft. 20 to 50 ft.		5	X		- TOPHAN	ACM III.	
Less than 20 ft.		3		and the	10 m		
				The same			
Depth of river More than 3 ft.			2	S. Links			A 10
Less than 3 ft.		2	X		I BAN		
		1		23/5	1/6		150 Te
Soil type or texture			1		360	A	March 1
Sand		3			E OF	MY MILE	
Gravel		2		13319	No. of London		
Stratified		2		18			
Clay, loam		1	X				
Vegetative Cover or	bank slop		1		A CONTRACTOR	M. O. Said	
0-10%		5				发现的	1000
10-50%		3			**		
50-100%		1	X	24	280	¥	
Apparent cause of e	rosion		2		1	X Deta	
Light access traffic		1		N. O.	0 100	A 34	
Obstruction in river		1		107	239		The same of
Bank seepage	-1-	1			NO.		
Gullying by side chann Bend in river	eis	2		E.	1 7	and the second	-Google
Wave action (impound	ments)	2	X	The Part of Street, St	1000	office and the second	990 0
Road-stream crossing;		3		沙文	100		
Moderate access traffi		3		A 14	200		
Heavy access (foot, ho	_	5		230	THE PARTY OF THE P		-
Mean height of eroo			5	No.	SANGE	44 A . 184	*
More than 20 ft.	ieu palik	7	3		Old State	122	
10 to 20 ft.		5	x			THE PARTY OF THE PARTY OF	
5 to 10 ft.		3	^	chelen	A STATE OF THE PARTY OF THE PAR		and the same
Less than 5 ft.		1				A Sec. of	TO SECOND
Current			1	1000			
Fast		2	1		-		
Slow		1	x		100		
Total Points for site			24	I M	linor		
		20.25		14		Court	
0-30 Minor		30-36	Moderate		>36	Severe	

Severe

Streambank Erosion Se	everity Ind	lex					
Site Description	Tall erodin	ng bank on	an outside be	end of the r	iver, south	n of Mallory	
Site visits on	6/9/2007			lat/long:		717 W96 54.621	
OBSER\	/ATION		SCORE		B		10/10
Condition of bank			5			Mallocy	(
Toe and upper bank er	oding	5	X	a link			
Toe undercutting	oub	3	A	9.3			
Toe stable, upper bank	eroding	1					
Problem Trend			5	7.99	BPREIS.		
Increasing		5	x	to be a series of		3	
Decreasing or stable		1					
Side-slope of bank			5				
Vertical, 1:1		5	x		200		1
2:1, 3:1		2					Y
4:1 or flatter		1				123	
Length of eroded bar	nk		5	The state of the s			BATT
More than 50 ft.		5	x	3			
20 to 50 ft.		3		1	N/A	© 2008 Action	1
Less than 20 ft.		1		*		LANGE OF ACCUMENTATION OF THE PARTY.	Goog
Depth of river		1	2	Pointer lat 47.86784	io ion -96.910441	* elev 833 ft Streaming 100%	Eye all 9
More than 3 ft.		2	x				
Less than 3 ft.		1	^	1000			
Soil type or texture			2	111.			-43
Sand		3		2000年間		the second officer	
Gravel		2					
Stratified		2		16 67		Will be the second	
Clay, loam		1	х	C. LESSON	1000	A STATE OF THE STA	100
Vegetative Cover on	hank slon		5		A STATE OF THE PARTY OF		
0-10%		5	x				
10-50%		3			-		
50-100%		1					- June
Apparent cause of er	osion		2		10000000		L
Light access traffic		1	-		THE REAL PROPERTY.		
Obstruction in river		1			100000		
Bank seepage		1				The same of the sa	
Gullying by side chann	els	1	E				
Bend in river		2	х	-	de des m	u Malle A	4.0
Wave action (impound	ments)	2		A STATE OF THE PARTY OF THE PAR			1,05
Road-stream crossing;		3	8			1000	
Moderate access traffic		3		Nº Z			
Heavy access (foot, ho	rse, etc.)	5					
Mean height of erode	ed bank		7	THE PERSON NAMED IN			5
More than 20 ft.		7	х				And I
10 to 20 ft.		5			100		LB
5 to 10 ft.		3					H
Less than 5 ft.		1					1
Current			1				
Fast		2		1			1700
Slow		1	X				
Total Points for site			39	Se	vere		
0-30 Minor		30-36	Moderate		>36	Severe	

Site Descript Site visits on Condition of Toe and upper Toe undercut		utbank 2.6 miles 007 10:02	east of Fisher	-				
Condition of	6/8/2							
Condition of				lat/long:	N47 46.8	95 W96 44.	469	
Toe and uppe	OBSERVATION		SCORE	4		No. of the last	The state of	3 36
Toe and uppe	of hank	•	5		NAME OF TAXABLE PARTY.	All of Street		STATE OF THE PERSON NAMED IN
		5	X		NE			
Troe undercu!		3	^	1272	NAME OF TAXABLE PARTY.	A STATE OF THE PARTY OF	SULTANIA MINISTRA	12
	pper bank eroding	1			- 100	~2	100	
Problem Tr		_	5	-	-	The state of the s		1 11
Increasing	enu	5	X			STEET STEET	C.	- Contraction
Decreasing o	or stable	1	^	100		737	DAVE	
Side-slope		-	5			AND PAR		
Vertical, 1:1	OI Dalik	5	X	A P				
2:1, 3:1		2		-) 6			
4:1 or flatter		1		£ \$ 5		244		
		-	5	100			SHEET STATE	NING TO BE
More than 50	roded bank	5	X		The same	S CA	16 10	
20 to 50 ft.	V IL.	3	^		7 70	2700 to 800 C	2	Google
Less than 20	ft	1				m Na	300	term +60m
Depth of riv		-	2					
More than 3		2	X					
Less than 3 f		1						
		1	1	_				
Soil type or Sand	texture	2	1					
Gravel		3 2		Markey and the				
Stratified		2			- Shirthing	_		
Clay, loam		1	×	San Control		-		
	Cause on bank slav		5	22	Ski	THE PERSON NAMED IN		
0-10%	Cover on bank slop	5 S	X	Contract of the contract of th	1			
10-50%		3						
50-100%		1		100				
	ause of erosion	_	2	1				
Light access		1			-			25
Obstruction		1						
Bank seepag		1						
	ide channels	1						
Bend in river		2	x					
Wave action	(impoundments)	2						
	crossing; grade/sho			do				
Moderate ac		3			September 1	-	Land and the same	
Heavy access	s (foot, horse, etc.) tra	offic 5		Service Control		STATE OF THE STATE OF	WITTER J	P
	nt of eroded bank		5	MA	-	7700		
More than 20	Oft.	7		20 B		THE REPORT OF	The last	PIS COLUMN TO SERVICE STATE OF THE PERSON STAT
10 to 20 ft.		5	x	11.11		THE NEW YORKS	- Pinis	T 100 100
5 to 10 ft.		3		2 3 2 3				
Less than 5 f	t.	1						
Current			2					
Fast		2						
Slow		1	x	200				
Total Points	s for site		37	Sev	vere			
0-30 N	/linor	30-36	Moderate		>36	Severe		

Streambank Erosion	Severity In	dex		Sites 58-69					
Site Description	Badly e	erodin	g bend i	n the river south	of Fisher				
Site visits on	6/8/200	07 11:	10 - 11:2	4 lat/lo	ng: N47 47.128	3 W96 46.20	01		
OBSERVAT			SCORE		E 112		- I E-VIII	THE	
Condition of bank			5		F 8		man A		
Toe and upper bank erod	ling	5	×		A21 1 20		THE REAL PROPERTY.		
Toe undercutting	8	3		1 Contract					
Toe stable, upper bank e	roding	1		THE REAL PROPERTY.	- A - A - A - A - A - A - A - A - A - A		September 1	200	
Problem Trend			5			E EE	5	6	
Increasing		5	x	The second		BE 30		300	
Decreasing or stable		1				20 120		1000	37 3
Side-slope of bank			5				ALC: NO	_ FEE	
Vertical, 1:1		5	×	The same	TEV NEWS	建筑	-		
2:1, 3:1		2							
4:1 or flatter		1						-0	
Length of eroded bank			5		- TO SEE		1100		23.0
More than 50 ft.		5	X		21	STATE OF	5 5 7 Land	1	Google
20 to 50 ft.		3	~	12.75	CONTRACTOR	-	en Min		The second second
Less than 20 ft.		1							140
			2		100	0.000			AND Y
Depth of river More than 3 ft.		2	2 ×	- ALEA	- 44		con the stands	A STATE OF THE PARTY OF	100
Less than 3 ft.		1	×			THE BASE	N W. 19		
		1		JOHN ST			THE RESERVE	1000	
Soil type or texture Sand		3	1		1 4			NATIONAL PROPERTY.	
Gravel		2		A		-	John State		
Stratified		2						2	T
Clay, Ioam		1	×						
Vegetative Cover on ban	kelono	-	5						
0-10%	ksiope	5	×						
10-50%		3		. malf	THE RESIDENCE OF THE PARTY OF T				
50-100%		1		100					
Apparent cause of erosio	n		2	A PARTY					and the
Light access traffic		1				-		Service	200
Obstruction in river		1		THE REAL PROPERTY.			Ton .	-	
Bank seepage		1	×	1					
Gullying by side channel:	5	1	x					E	
Bend in river		2	×						
Wave action (impoundm	ents)	2							
Road-stream crossing;		3					XI.		
Moderate access traffic		3					- A 14		all m
Heavy access (foot, hors	e, etc.)	5							and the
Mean height of eroded b	ank		5		DEBLOODER 1	0.3		N. 3	A Maria
More than 20 ft.		7		American American	A STATE OF THE PARTY OF THE PAR				4
10 to 20 ft.		5	×						
5 to 10 ft.		3				THE PARTY NAMED IN		7 B. C.	- A
Less than 5 ft.		1			Committee of the	1	STATE OF		S. S. S. S.
Current			2	The second second			1	THE PROPERTY OF	海野学
Fast		2					Same Control	Bar shi	-
Slow		1	x		3200		The same of the sa		1
Total Points for site			37	Severe					
0-30 Minor		30-36	Moderate	>36	Severe				

Streambank Erosion Se	verity Index	Site 95			
Site Description	eroding bank along a	field near	Fisher		
Site visits on	6/9/2007 9:23		lat/long:		

one bescription C	rouning o	ariik arong	a nera nea	History			
Site visits on 6	/9/2007 9	9:23		lat/long:			
OBSERVA	ATION		SCORE				
Condition of bank			5				
Toe and upper bank erod	ing	5	X		Section 200		
Toe undercutting		3		7.50 T & S		-111	174
Toe stable, upper bank er	roding	1				H	
Problem Trend			5	6 7 4			
Increasing		5	x	器 扩放			1
Decreasing or stable		1	^				
Side-slope of bank			5	icis	- 0 411	4.3	Date of
Vertical, 1:1		5	X		-6.7	医	To the second
2:1, 3:1		2	^			1	1.00
4:1 or flatter		1			AND DESCRIPTION OF THE PARTY NAMED IN	A STATE OF THE PARTY OF THE PAR	11
					E alle	A SEE	
Length of eroded bank More than 50 ft.	(5	5				
20 to 50 ft.		3	X		AND THE REAL PROPERTY.	Sign	0.3
Less than 20 ft.		1			(C) (S)	- 11 THE	CON CON
		1	_	energies energies	8/4/2018	A 100	A Company of the last own
Depth of river			2				
More than 3 ft.		2	X	Lea.	D-ON SAME		
Less than 3 ft.		1					
Soil type or texture			1	The second second			
Sand		3				E.	
Gravel		2			38 8	di	
Stratified		2		W ASSE		And the last	The state of the s
Clay, loam		1	X		ALL ALL		-
Vegetative Cover on b	ank slop	e	5	N. Francis			
0-10%		5	X				4
10-50%		3					FORESTER
50-100%		1					
Apparent cause of ero	sion		2	E			
Light access traffic		1					-
Obstruction in river		1					
Bank seepage		1		200	100300		-49
Gullying by side channel	5	1		- 3			No. 40
Bend in river		2	X			99.	1
Wave action (impoundment	ents)	2			N Base	4	1
Road-stream crossing;		3		With 4			State Control of
Moderate access traffic		3		and the same of th		-	
Heavy access (foot, horse		5			TO SECOND	Secret Land	
Mean height of erode	d bank		5	-		~	
More than 20 ft.		7				- Contract	1
10 to 20 ft.		5	X	-			
5 to 10 ft.		3				33	=
Less than 5 ft.		1					
Current			2				
Fast		2			- F. J. S. S.	- 3	
Slow		1	x	The same of the		- 10	THE STATE OF
Total Points for site			37	Severe			
0-30 Minor		30-36	Moderate	>36	Severe		
U UU IVIIIIUI		50 50	Moderate	-30	SEVELE		

GPS wasn't getting correct readings for sites 95-98

Streambank Erosion	Severity Inde	x	Site 112				
Site Description	Tall cutba	ink, SW of	f Fisher Rest	Area			
Site visits on	6/9/2007	11:28		lat/long:	N47 50.41	9 W96 52.637	
	RVATION		SCORE	200			Live Co
Condition of bank			5				
Toe and upper bank		5	X				
Toe undercutting	croung	3		THE PARTY		1	4
Toe stable, upper ba	nk eroding	1				2011	S
Problem Trend	c. oug	_	5			新国性 形 1000	1100
Increasing		5	X	1		a state of	
Decreasing or stable		1	^	100 E			
		_	5		The same	No. of Street,	
Side-slope of ban Vertical, 1:1	·	5	X	8 000			
2:1, 3:1		2	*	A STATE OF THE PARTY OF THE PAR	1 66	· 图12000000000000000000000000000000000000	
4:1 or flatter		1		1			
	hank		г	八點			
Length of eroded More than 50 ft.	Dank	5	5	No.	1		
20 to 50 ft.		3	X		67 A	100	G Ca
Less than 20 ft.		1		APRINCES MUNICIPAL	-	10 May 200	test
			2	SEA NO.			A STATE OF THE STA
Depth of river More than 3 ft.		2	2				3 m
More than 3 ft. Less than 3 ft.		2	X	ALC: N	172		
		1			1	C. C. South	
Soil type or textur	e		2				Thomas of the
Sand		3					
Gravel Stratified		2	-	-		Mara -	7. 200
Clay, loam		2	X	The state of			
	on book stee		2				
Vegetative Cover 0-10%	on bank slop		3				
0-10% 10-50%		5 3	U				
10-50% 50-100%		1	X		100		
		1			5		
Apparent cause of	erosion	4	2				
Light access traffic Obstruction in river		1			7	The state of the s	
Bank seepage		1		44.30	1000	58 (B) (B)	A STATE OF
Gullying by side cha	nnels	1				美洲人	1
Bend in river		2	x	No.		E PROPERTY OF THE PERSON OF TH	
Wave action (impou	ndments)	2	-	100	100		
Road-stream crossir		3				展的型型自己	
Moderate access tra		3		1	The second second	THE PROPERTY OF THE PARTY OF	
Heavy access (foot,		5		/			APPENDED.
Mean height of er			7				
More than 20 ft.		7	X	-			-
10 to 20 ft.		5	ĺ				
5 to 10 ft.		3					
Less than 5 ft.		1					
Current			1				
Fast		2					
Slow		1	X				
Total Points for sit	e		37	Se	vere		
		30-36	Moderate		>36		

Moderate

Streambank Erosion Se	verity I	ndex						
			n East Grand	Forks				
	/10/200			lat/long:	NA7 55 25	6 W97 00.48	12	
orte visits on		•	CCORE	rat/rong.	1147 33.23	0 0037 00.40	13	200
OBSERVA	AHON		SCORE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		٤.		
Condition of bank			5					
Toe and upper bank er	oding	5	X	100				
Toe undercutting		3					E	
Toe stable, upper bank	erodin	1				Sec. 48.	de the	According to
Problem Trend			5				Alexander	
Increasing		5	X		100			STATE MALE
Decreasing or stable		1						
Side-slope of bank			5					
Vertical, 1:1		5	1:1					
2:1, 3:1		2						
4:1 or flatter		1		Sec.	EE			
Length of eroded ba	nk		5					
More than 50 ft.		5		San Franchis				
20 to 50 ft.		3	x	186	V V	The same	1 鱼长屋	
Less than 20 ft.		1		· 100	No. of Concession, Name of Street, or other Persons, Name of Street, or ot			
Depth of river			2	100				(建)人
More than 3 ft.		2		Service of the last	400			THE RESERVE
Less than 3 ft.		1	X		The walk	MAC TO	CILI	S.
Soil type or texture			1	MA CAN				AL C
Sand		3	?	100.00	SAME A	TOWN OF THE PARTY OF	1900	-
Gravel		2		16.24				and help
Stratified		2			L COMM		• 101	
Clay, loam		1					4	ST PATER
Vegetative Cover or	bank	slope	5	Sec. Sec.	1			19 6 676
0-10%		5	_	-		Jan Jac		
10-50%		3	x					1
50-100%		1					1	to di
Apparent cause of e	rosion		2				W-177	
Light access traffic		1	X	Contract of the last	west to the	Care Cittle Ballion		Google
Obstruction in river		1		THE REAL PROPERTY.	de beef set	7 1	Revision II	400
Bank seepage		1			STREET, S		11011	100
Gullying by side chann	els	1		A SECTION	No.		22 (25)	
Bend in river		2	х		00			
Wave action (impound	lments)	2		NAME OF THE OWNER, OWNE	THE STATE OF THE S			
Road-stream crossing;		3				融		No. of Lot, Lot,
Moderate access traffi	_	3					- L	-
Heavy access (foot, ho		5				- 10 M		11977
Mean height of eroo	ded bar	nk	5	的星光	Trail Wor		-	Stall
More than 20 ft.		7						The state of
10 to 20 ft.		5			THIS !		1027	L
5 to 10 ft.		3	X			旧海兰	M	9
Less than 5 ft.		1				THEFT		
Current			1				13	
Fast		2	х			a de tou ann	1 11	
Slow		1				Street, and Superfects	C. Lan	Google
Total Points for site			36	Mod	erate			
0-30 Minor		30-36	Moderate		>36	Severe		

Streambank Erosion	Severity Inde	x	Site 115			
Site Description	>1000' stre	eatch of er	oded river ba	nk. Some pa	arts unstab	le with gullies
Site visits on	6/9/2007	13:15		lat/long:	N47 51.2	78 W96 54.166
	ERVATION		SCORE		The state	THE PERSON NAMED IN
Condition of bank			5			THE PERSON NAMED IN
Toe and upper bank		5	X			DATE PROPERTY.
Toe and upper bank Toe undercutting	eroding	3	×			2000 HIER
Toe undercutting Toe stable, upper ba	nk eroding	1				Mark Market
	ink croung	1	-			
Problem Trend			5			TO THE REAL PROPERTY.
Increasing		5	X		AND DESCRIPTION OF THE PERSON NAMED IN	
Decreasing or stable		1				
Side-slope of ban	k		5			
Vertical, 1:1		5	x	1		TOT BATERINES
2:1, 3:1		2		1	-63	
4:1 or flatter		1		1 6		
Length of eroded	bank		5	OTHER DOSES		MAN MEDICAL WARREN
More than 50 ft.		5	x	The same		
20 to 50 ft.		3		1	- 1	A MINIS
Less than 20 ft.		1		1	3421	MANAGE ALLEGE
Depth of river			2		-	
More than 3 ft.		2	×			THE RESERVE AND THE PERSON.
Less than 3 ft.		1				
Soil type or textu	re		1	100	1	Fuel to the
Sand		3				
Gravel		2		2000		
Stratified		2		TOTAL		为企 共 工
Clay, loam		1	x		N Sec	
Vegetative Cover	on hank slor	10	5			
0-10%	on bunk stop	5	X	erittere december	CONTROL OF THE PARTY OF THE PAR	690
10-50%		3	^	A TOTAL		411
50-100%		1			Marian	anta Afrika
Apparent cause of	feresion	_	2		National Property lies	A STATE OF THE PARTY OF THE PAR
Light access traffic	rerosion	1		102		
Obstruction in river		1				
Bank seepage		1				
Gullying by side cha	nnels	1	x	The same of		
Bend in river		2	X			100000000000000000000000000000000000000
Wave action (impou	indments)	2	-	3-7-		
Road-stream crossi	•	3		100	-	A.
Moderate access tra		3		fc2.		
Heavy access (foot,	horse, etc.)	5		THE A	Salta di	
Mean height of e		-	5		do	
More than 20 ft.		7				
10 to 20 ft.		5	x	And the		A DO
5 to 10 ft.		3				The state of the s
Less than 5 ft.		1				
Current		_	1		1	
Fast		2	1			
Slow		1	x	1	Soft State	
Total Points for si	tο	_	36	Mo	derate	
Total Follits for SI	ii.		30	IVIO	acrate	

Streambank Erosion	Severity Index		Site 39	
Site Description	Eroding streamb	ank 3.3 m	iles SE of Fish	er
Site visits on	6/8/2007 9:4	17		lat/long: N47 46.872 W96 43.725
0	BSERVATION		SCORE	
Condition of bank			5	
Toe and upper bank	eroding	5	X	
Toe undercutting		3		The state of the s
Toe stable, upper ba	nk eroding	1		
Problem Trend			5	
Increasing		5	x	
Decreasing or stable		1		
Side-slope of bank			5	
Vertical, 1:1	<u>`</u>	5	x	
2:1, 3:1		2		The state of the s
4:1 or flatter		1		
Length of eroded l	pank		5	THE REAL PROPERTY OF THE PERSON OF THE PERSO
More than 50 ft.		5	×	THE REAL PROPERTY OF THE PARTY
20 to 50 ft.		3		_Coogl
Less than 20 ft.		1		cleaning moteurs 200 Name that
Depth of river		-	2	STATE OF THE PROPERTY OF THE P
More than 3 ft.		2	x	
Less than 3 ft.		1	-	THE REAL PROPERTY OF THE PERSON OF THE PERSO
Soil type or textur	ρ		1	
Sand		3	_	author Se
Gravel		2		
Stratified		2		The Control of the Co
Clay, loam		1	X	
Vegetative Cover	on bank slope		5	
0-10%		5	x	
10-50%		3		
50-100%		1		
Apparent cause of	erosion		2	
Light access traffic		1		
Obstruction in river		1		Final Control Symptom Enter Symptom Goog
Bank seepage		1		Control and the control contro
Gullying by side cha	nnels	1		ner altr
Bend in river		2	x	Asidaki
Wave action (impour		2		4 A A A A A A A A A A A A A A A A A A A
Road-stream crossin		3		AND THE RESERVE AND THE PARTY OF THE PARTY O
Moderate access tra		3		
Heavy access (foot, h		5		
Mean height of er	oded bank		3	She was a second of the second
More than 20 ft.		7		
10 to 20 ft.		5		STATE OF THE PARTY
5 to 10 ft. Less than 5 ft.		3	×	The state of the s
		1	-	
Current			2	
Fast		2		
Slow		1	X	
Total Points for sit	e		35	Moderate
0-30 Minor		30-36	Moderate	>36 Severe

Streambank Erosion Severity Ind	lex	Site 56	
Site Description Cutbank	calong ben	d in Red Lal	ke River SE of Fisher
Site visits on 6/8/200	7 10:59		lat/long: N47 47.241 W96 46.552
OBSERVATION		SCORE	
Condition of bank		5	
Toe and upper bank eroding	5	X	
Toe undercutting	3		
Toe stable, upper bank eroding	1		The state of the s
Problem Trend		5	
Increasing	5	X	and the same of
Decreasing or stable	1	^	
Side-slope of bank		5	
Vertical, 1:1	5	X	
2:1, 3:1	2	*	
4:1 or flatter	1		
Length of eroded bank		5	
More than 50 ft.	5	X	
20 to 50 ft.	3	X	050 M
20 to 50 ft. Less than 20 ft.	1		
		1 2	
Depth of river More than 3 ft.	2	2	Coo
More than 3 ft. Less than 3 ft.	1	Х	4141390FW 90 413350VV 1994 1995 1994 2094 2094
	1		
Soil type or texture		1	
Sand	3		A CONTRACTOR OF THE PARTY OF TH
Gravel	2		THE RESERVE AND ADDRESS OF THE PARTY OF THE
Stratified	1		The second secon
Clay, loam		X	
Vegetative Cover on bank slo		5	THE RELEASE OF THE PARTY OF THE
0-10%	5	X	新发现的地震中华的大学中华人民共和国的
10-50%	3		
50-100%	1		
Apparent cause of erosion		2	
Light access traffic	1		
Obstruction in river	1		
Bank seepage	1		AND THE PARTY OF T
Gullying by side channels Bend in river	2	X	
Wave action (impoundments)	2	X	
Road-stream crossing;	3		
Moderate access traffic	3		
Heavy access (foot, horse, etc.)	5		
Mean height of eroded bank		3	
More than 20 ft.	7	3	The second secon
10 to 20 ft.	5		
5 to 10 ft.	3	x	
Less than 5 ft.	1		
Current		2	Charles and the second
Fast	2		
Slow	1	x	
01011			Moderate
Total Doints for site		35	Moderate
Total Points for site 0-30 Minor	30-36	Moderate	>36 Severe

Streambank Erosion Sev	erity Index		Sites 71-72	2				
Site Description (Cutbank o	n the Red	Lake Rive	r south of F	Fisher			
Site visits on	5/8/2007 1	2:35		lat/long:	N47 47.37	6 W96 47.813		
OBSERV	ATION		SCORE	Carrie	企	754	es d'aries	1000
Condition of bank			5					
Toe and upper bank ero	ding	5	X	THE REAL PROPERTY.	A SHAME	THE RESIDENCE		
Toe undercutting		3						
Toe stable, upper bank e	eroding	1		SHEET, V	一切	1938 E	- 10.2505	•
Problem Trend			5		· test	PERM		1
Increasing		5	X					1
Decreasing or stable		1				200		
Side-slope of bank			5		-	S. Smith		
Vertical, 1:1		5	х	355	THE REAL PROPERTY.	A COLUMN TO THE PARTY OF THE PA	170	-
2:1, 3:1		2		California .	A STATE OF	-	and the same	
4:1 or flatter		1		4			10100	1
Length of eroded ban	ık		5	Sec.	A 3 3 3 5 1 1 1	THE REAL PROPERTY.	HANNEY A	
More than 50 ft.		5	х	37	1	67ml		
20 to 50 ft.		3			Tar Allen	ST. A. P. C.	Market Market	Google
Less than 20 ft.		1		COURS HOUSE				Major Times
Depth of river			2				mark. 0	Alleria
More than 3 ft.		2	x		What will	MARCH METAL		
Less than 3 ft.		1		A Comment	型 學系			
Soil type or texture			1	THE REAL PROPERTY.	100			
Sand		3	_	STATE OF THE PARTY.		NU STANSON	2112	
Gravel		2		200			3	A C . AN
Stratified		2				677	7.4	
Clay, loam		1	X				ALL I	
Vegetative Cover on	bank slope	2	5		PERSONAL ARMS IN			
0-10%		5	х	18 18 18			nds.	
10-50%		3			Service Action		A STOU	3
50-100%		1						
Apparent cause of ero	osion		2			ok.		49
Light access traffic		1		ALC: Y	PHILES.		是这些	
Obstruction in river		1		2				100.0
Bank seepage		1		Z LEW	MARIE	医医侧侧侧侧侧		
Gullying by side channe	ls	1				S. C. S. C.		The last
Bend in river		2	X	S. Calledon	Mary III	The state of the s		
Wave action (impoundn	nents)	2		Marine .				
Road-stream crossing;		3						
Moderate access traffic		3		200000			7.	
Heavy access (foot, hors		5	_	1	and the same			
Mean height of erode	ed bank		3	STATE OF		No.		
More than 20 ft.		7				A STATE OF THE PARTY OF THE PAR		
10 to 20 ft. 5 to 10 ft.		5				THE REAL PROPERTY.	A STATE OF	Mary St
5 to 10 ft. Less than 5 ft.		3	Х	1		TO VETT		
		1	_		WALLS VI			
Current			2	1	- 12 July 7	And Inch	A CONTRACT	-
Fast		2			The state of the s			
Slow		1	X	5-22-2		-		1
Total Points for site			35	Mod	derate			
0-30 Minor		30-36	Moderate		>36	Severe		

Streambank Erosion Sev	erity Inde	ĸ	Sites 80-85	5					
Site Description \	ery long	streatch	of eroding	river bank	south of F	isher			
Site visits on 6	/8/2007	12:56		lat/long:	N47 47.7	69 W96 48.5	510		
OBSERVA			SCORE	Sand .		A STATE OF THE PARTY OF THE PAR			2-10-1
Condition of bank			5	12414	Trad at		al E cal	al	T Yesten.
Toe and upper bank eroo	ding	5	X	200 G	III East		No. 1000	4	
Toe undercutting	8	3			AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN	THE PART OF THE			
Toe stable, upper bank e	roding	1			6	1	1		
Problem Trend			5				Series .		
Increasing		5	X		7	20	THE PERSON NAMED IN	100	0
Decreasing or stable		1		4		THE R. L.	0	F BL	
Side-slope of bank			5		election.				
Vertical, 1:1		5	x	3 6		se .			
2:1, 3:1		2							
4:1 or flatter		1			001		A	-	
Length of eroded ban	k		5		1 000	The same	-	4	
More than 50 ft.		5	x	No.	11	The same	and the same	The Paris	
20 to 50 ft.		3		-	082	000	1		
Less than 20 ft.		1				10-17	1	THE STATE OF	
Depth of river			2		物質數	Section 1		ACTION TO	
More than 3 ft.		2	x		- The	S Comment		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- Google
Less than 3 ft.		1		after ar park. Sec. at Dir.	7400	The second name of		DECK MINE 2	tion their
Soil type or texture			1			A 1			
Sand		3							_
Gravel		2			40 Pa 27		DE UL	Section 200	وياكنون
Stratified		2		Mary Mary Street			1200		
Clay, loam		1	X						September 1
Vegetative Cover on l	oank slop		3			200		-	
0-10%		5						1	
10-50%		3	Х	N No.			ע זענאי	SOL.	
50-100%		1				- 1		1	
Apparent cause of ero	osion		2				STATE OF		
Light access traffic Obstruction in river		1			w and 2	Name and Post	AND SE	A STATE OF THE PARTY OF THE PAR	نخد معالم
Bank seepage		1		Section 1					
Gullying by side channe	le	1							
Bend in river	15	2	x						
Wave action (impoundm	ents)	2	^					1	
Road-stream crossing;		3			1			A	1
Moderate access traffic		3					1	A A ROUGHT OF	
Heavy access (foot, hors	e, etc.)	5		1			Park and the	Service Service	
Mean height of erode	d bank		5		- 15		# 1		\$
More than 20 ft.		7		Minness.	12	THE PARTY NAMED IN		BELLEVIA CO	基本基 。
10 to 20 ft.		5	x	明				新	
5 to 10 ft.		3		Speciment of	and a	Carrier .	No. of Concession, Name of Street, or other Persons, Name of Street, Name of S	The same of the sa	-
Less than 5 ft.		1				The said			
Current			2				1		
Fast		2		26-5-					
Slow		1	х						
Total Points for site			35	Mod	derate				
0-30 Minor		30-36	Moderate		>36	Severe			
0-30 Minor The eroded areas in this through 94 to form a nea		ne occur a	cross a .5 m		stream. Th	ese sites con	nbine with s	ites 86	

Streambank Erosion S	_		Site 97		
lite Description			itside of be	nd in river near Fish	nera
ite visits on	6/9/20079	:26		lat/long:	
OBSER	VATION		SCORE		
Condition of bank			5	Section 1	
Toe and upper bank er	roding	5	X	3	
Toe undercutting		3		9.50	
Toe stable, upper bank	k eroding	1			
Problem Trend			5	V 4 5	
Increasing		5	×	整 学 统	13
Decreasing or stable		1		墨 作 / /	MATERIAL STATES
Side-slope of bank			5	State	
Vertical, 1:1		5	х	105	Poul a
2:1, 3:1		2			
4:1 or flatter		1			
Length of eroded ba	ank		5		and the second
More than 50 ft.		5	X	建筑	
20 to 50 ft.		3			14 (5)
Less than 20 ft.		1			
Depth of river			2		1000
More than 3 ft.		2	X	40 61	1
Less than 3 ft.		1		etherio zerio — perveza estro-	and the same of th
Soil type or texture			1		
Sand		3			
Gravel		2			
Stratified		2			
Clay, loam		1	X		
Vegetative Cover or	n bank slope		3		
0-10%		5			
10-50%		3	x		
50-100%		1			
Apparent cause of e	rosion		2	1	
Light access traffic		1		3 KV	
Obstruction in river		1		V. Janes	11/1/11/15
Bank seepage		1		AR I	The state
Gullying by side chan	nels	1		1	100
Bend in river		2	x		P
Wave action (impound		2		A Property	The same
Road-stream crossing		3			
Moderate access traff		3			1
Heavy access (foot, ho		5			The state of
Mean height of ero	ded bank		5		
More than 20 ft.		7		the second second	
10 to 20 ft.		5	X		
5 to 10 ft.		3			
Less than 5 ft.		1			
Current			2		
Fast		2			
Slow		1	X		
Total Points for site			35	Moderate	
0-30 Minor		30-36	Moderate	>36	Severe

Site Description E	roding ban	k alone	g field S of Fig	sher Rest	Stop		
	6/9/2007 11			lat/long:		W96 51.624	
OBSERVA			SCORE	TO SEE	美国的		
Condition of bank			5			W.	
Toe and upper bank erod	ling	5	X				
Toe undercutting		3			OF STREET		
Toe stable, upper bank e	roding	1		The same of	THE PARTY		
Problem Trend			5		THE RES		
Increasing		5	x	4 6			
Decreasing or stable		1		ALC: N	3		
Side-slope of bank			5	A.			
Vertical, 1:1		5	x	1			
2:1, 3:1		2				The state of the state of	Service Control
4:1 or flatter		1				Za Calledon	
Length of eroded ban	k		5		ALCO AND ADDRESS OF THE PARTY O		
More than 50 ft.		5	X	THE REAL PROPERTY.	-51		
20 to 50 ft.		3		THE RESERVE	Tar I		and Co
Less than 20 ft.		1		NAME OF THE OWNER, OF THE OWNER, OF THE OWNER,	S SECOND LAND		and the same
Depth of river			2	W 12 35			
More than 3 ft.		2	X		1 to 1	S Torre de	
Less than 3 ft.		1	_ ^	1	the later of the l	Jan 12	
					1223	. 1	386
Soil type or texture Sand		3	2	"他"	N. A.	The same	
Sano Gravel		2				AT A	4
Stratified		2	X			-	
Clay, loam		1	^				2
			3	THE REAL PROPERTY.			-
Vegetative Cover on b 0-10%	ank slope	5	3				
10-50%		3	x				
50-100%		1	_ ^				1998
Apparent cause of ero	sion		2		4 200	- 7 F	100
Light access traffic	SIUII	1					1
Obstruction in river		1		- B	医工作工作	THE STATE OF THE PARTY OF THE P	
Bank seepage		1			The state of the	5025	
Gullying by side channel	s	1				1	
Bend in river	_	2	x		V	190	
Wave action (impoundm	ents)	2			V	1	
Road-stream crossing;		3		-	-		
Moderate access traffic		3					Company of the last
Heavy access (foot, hors	e, etc.)	5					
Mean height of erode			5			Year	
More than 20 ft.		7		P. Santa		423	
10 to 20 ft.		5	x	The state of	The state of the s	-	-
5 to 10 ft.		3		-		1000	
Less than 5 ft.		1					
Current			1				
Fast		2		47.00			7
Slow		1	x				
Total Points for site			35	Mod	lerate		
0-30 Minor		0-36	Moderate			Severe	

Streambank Erosio	n Severity Inde	ex				
Site Description	Washout	along a fiel	ld, outside of a	a bend, sou	ith of Mallo	ory
Site visits on	6/9/2007	13:40		lat/long:	N47 51.4	19 W96 54.672
	ERVATION		SCORE		Marine .	THE PERSON NAMED AND POST OF
Condition of ban			5	THE R. A.		The second second
Toe and upper bank	-	5	X	Mark Control		
Toe undercutting	Cerounig	3	^	Mark Control		
Toe stable, upper b	ank eroding	1		阿 拉 (2)	-	
Problem Trend			5	B NOT		
Increasing		5	X			
Decreasing or stab	e	1			100	
Side-slope of bar		_	5			
Vertical, 1:1	IK .	5	X	101		
2:1, 3:1		2	^			And the state of t
4:1 or flatter		1			2	
	hank		5			STATE OF STA
Length of eroded More than 50 ft.	Dalik	5	X	121		
20 to 50 ft.		3	*	1	-	April 2005 Signatures Signature Com
Less than 20 ft.		1		APPENDING MINISTER		200 10
		-	2			
Depth of river More than 3 ft.		2	2 x			State Spill
Less than 3 ft.		1	*		Brother was	Security of the second security of the second secon
		1			1 1 m	
Soil type or textu Sand	re	-	2			
Sano Gravel		3				
Stratified		2				
Clay, loam		1	Х			
	on bank slav		3			
Vegetative Cover 0-10%	OII DAIIK SIO	ре 5	3			
10-50%		3	X			
50-100%		1	^		بالقطاء	
Apparent cause of	f orosion		2	No. of Lot, House, etc., in such such such such such such such such	Maria Article	Charles of the State of the Sta
Light access traffic	n erosion	1	2	521-7	The second	Therewas and the
Obstruction in rive	r	1			A Participa	
Bank seepage		1		1		
Gullying by side ch	annels	1				
Bend in river	_	2	x			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Wave action (impo	undments)	2				
Road-stream cross		3				
Moderate access tr		3				
Heavy access (foot,	horse, etc.)	5			Albert .	
Mean height of e	roded bank		5			
More than 20 ft.		7			The same of the sa	The state of the s
10 to 20 ft.		5	x			
5 to 10 ft.		3			To Change	
Less than 5 ft.		1				
Current			1			
Fast		2				
Slow		1	х			
Total Points for s	ite		35	Mod	derate	

	Dank Sions	ining betwe	en Fisher an	id EGF - noii	nt #135 on RLRR Tour
	6/9/2007		en risher an	lat/long:	N47 52,548 W96 56,247
OBSERV		21117	SCORE	WARRETON.	1117 52.5 15 113 5 5 5 5 5 7
Condition of bank	Allon		5		
Toe and upper bank ero	ding	5	X		and a constant
Toe undercutting	unig	3	^		
Toe stable, upper bank	eroding	1			
Problem Trend		_	5		
Increasing		5	X	THE RESERVE	
Decreasing or stable		1	^		TO STATE OF THE ST
Side-slope of bank			5		A DAN TO STATE OF THE STATE OF
Vertical, 1:1		5	X		
2:1, 3:1		2	^		
4:1 or flatter		1			
	···	_	5	THE PARTY NAMED IN	The second of the second
Length of eroded bar More than 50 ft.	IK.	5	X	Francisco de d'Albano de de	The state of the s
20 to 50 ft.		3	X		
Less than 20 ft.		1		y 386)	00
Depth of river		-	2	1	And the same of th
More than 3 ft.		2	X		
Less than 3 ft.		1	X		
Soil type or texture		-	1		
Sand Gravel		3			
Stratified		2			
Clay, loam		1	x		
	bank slon		5		
Vegetative Cover on 0-10%	Dank Slop	5 5	X	SOLEN.	-Co
10-50%		3		Name of PERSON OF BE	The second secon
50-100%		1		N. Company	
Apparent cause of er	osion	_	1	3. 子間	
Light access traffic	USIUII	1	1		ALL STREET, ST
Obstruction in river		1			
Bank seepage		1	X		State of the second
Gullying by side channe	els	1	X		
Bend in river		2			
Wave action (impoundr	ments)	2			
Road-stream crossing;		3		Second	
Moderate access traffic		3			
Heavy access (foot, hor	se, etc.)	5			
Mean height of erod	ed bank		5	12	
More than 20 ft.		7			
10 to 20 ft.		5	X		
5 to 10 ft.		3		WARRIED TO	
Less than 5 ft.		1			
Current			1		
Fast		2			
Slow		1	X		The state of the s
Total Points for site			35	Mod	derate
0-30 Minor		30-36	Moderate		>36 Severe
Erosion may be cause	ed by com	bination o	of the force	of field ru	unoff from across the river an
-	-				
water saturated strea	am banks	from and	oxbow lake	2.	

Streambank Erosio	n Severity Inde	x				
Site Description			an outside b	end of the	river, south of	Mallory
Site visits on	6/9/2007			lat/long:	N47 51.609	
	SERVATION		SCORE		11/10/11	Maria Maria
Condition of bank			3	200000	Mallory	4770
Toe and upper ban		5		ABINET IN		
Toe undercutting		3	X	MILIERS		
Toe stable, upper b	ank eroding	1		8000 M		
Problem Trend			5	2011/19		
Increasing		5	X			
Decreasing or stabl	le	1		1		
Side-slope of ban			5	A COLUMN TO A COLU		
Vertical, 1:1		5	X		TO	
2:1, 3:1		2	^			
4:1 or flatter		1		No. of the last		
Length of eroded	hank		5		35/00/2	XAI
More than 50 ft.	Marik	5	X		126	
20 to 50 ft.		3	^	1		0 2008 Acxiom
Less than 20 ft.		1				6 2008 Tele Arias
Depth of river		_	2	Pointer lat 47.8673	52' lon -96.904161' elev	835 It Streaming
More than 3 ft.		2	x	or talk		
Less than 3 ft.		1			10 May 2014	A
Soil type or textu	re		2	美大校		ALC: N
Sand		3	_	200		是一种
Gravel		2				
Stratified		2	X		4	. 25
Clay, loam		1		700		
Vegetative Cover	on bank slope	1	3		The same of	
0-10%		5	_		and the same	POST.
10-50%		3	x			
50-100%		1				
Apparent cause o	of erosion		2			
Light access traffic		1				
Obstruction in rive		1		-		
Bank seepage		1				
Gullying by side ch	annels	1			1/6	1 1
Bend in river		2	X	9	1000	
Wave action (impo		2				
Road-stream cross		3				
Moderate access to		3		27		
Heavy access (foot		5				
Mean height of e	roded bank		7	1		
More than 20 ft.		7	X	2		
10 to 20 ft.		5			-	The second second
5 to 10 ft.		3		- Note that the contract		Carried St.
Less than 5 ft.		1		工程 学生		
Current			1			
Fast		2		TOTAL CONTRACTOR AND ADDRESS OF THE PARTY OF		CONTROL SERVICE
Slow		1	X			

Moderate

>36

Severe

35

Moderate

30-36

Total Points for site

Minor

0-30

Streambank Erosion Sev		Sites 105, 109				
Site Description	Slumping bank	s NW of Fisher	that will e	ventually	cut off a meander in the riv	/er
Site visits on	6/9/2007 10:40		lat/long:	N47 49.6	532 W96 51.229	
OBSERV	ATION	SCORE		CALLED BY		-
Condition of bank		5		STATE OF THE PARTY		
Toe and upper bank ero	ding	5 x		>		3/1
Toe undercutting	_	3				- 80
Toe stable, upper bank	eroding	1	1			180
Problem Trend		5				
Increasing		5 x				
Decreasing or stable		1	100 E			
Side-slope of bank		5	ALC: N	= (1)	7	
Vertical, 1:1		5 x	ADDE		The state of the s	
2:1, 3:1		2		10 CTZ		
4:1 or flatter		1	1000		AND DESCRIPTION OF THE PERSON	
Length of eroded bar	ık	5		是是社会		
More than 50 ft.		5 x	N Sal			200
20 to 50 ft.		3	Virtual (same)			-
Less than 20 ft.		1	THE REAL PROPERTY.			
Depth of river		2				
More than 3 ft.		2 x	PERCENT.	166		
Less than 3 ft.		1	Principle of			-
Soil type or texture		1	The state of the s	· ·	公 人	
Sand		3		Disco 1	S. S. C.	
Gravel		2			建了一个	KA
Stratified		2	100		William Pathenni	
Clay, loam		1 X	CONT.	A MARIE		ilda.
Vegetative Cover on	bank slope	1	100		经过一条 机双端放射	
0-10%		5	27		MARINE DESIGNATION	
10-50%		3	Andrea		Maria Company	
50-100%		1 x	1537		《日本》	Sec.
Apparent cause of er	osion	2	100		位于 经 一	
Light access traffic		1	20070	T. 48	四個個問題 5年	123
Obstruction in river		1	No. of London		建筑和数 第	
Bank seepage		1	100		Fr. Control State	HOP Q HIS
Gullying by side channe		1			- X488	
Bend in river		2 X		-10		
Wave action (impounds		2				
Road-stream crossing; Moderate access traffic		3	Miles S.			
Heavy access (foot, hors		5			Control of the Contro	E STATE
	,,		Carlotte St.		THE RESERVE TO THE PARTY OF THE	
Mean height of erode More than 20 ft.		7	1			. 4
10 to 20 ft.		7 x	ER CONTACT			8
5 to 10 ft.		3	STREET,			*
Less than 5 ft.		1				I
Current		1			100	Atla b
Fast		2			15 To 1000 100	1
Slow		1 x				4
Total Points for site		34	Mo	derate	THE REAL PROPERTY.	
	25.5				0	
0-30 Minor	30-3	6 Moderate		>36	Severe	

conitinues here.

5 3 1 5 5 1 5 3 1 1 5 3 3 1 1 1 3 2 2 2 2 2	SCORE 5 x 5 x 5 x 1	tbank along	g a field NW of Fisher N47 52.039 W96 55.419
5 3 1 5 1 5 2 1 1 2 1 2 1	5 x 5 x 5 x 2 x 2 x		
5 3 1 5 1 5 2 1 1 2 1 3 3 2	5 x 5 x 5 x 2 x		
3 1 5 1 5 3 1 1 5 3 3 1 1 3 3 2 2 1 1 3 3 2 2	5 x 5 x 5 x 2 x		
3 1 5 1 5 3 1 1 5 3 3 1 1 3 3 2 2 1 1 3 3 2 2	5 x 5 x 2 x 2 x		
3 1 5 1 5 3 1 1 5 3 3 1 1 3 3 2 2 1 1 3 3 2 2	5 x 5 x 2 x		
5 1 5 2 1 1 5 3 3 1 1 2 1	5 x 5 x 2 x		
5 1 5 2 2 1 1 5 3 1 1	5 x 5 x 2 x		
5 2 1 5 3 1 2 1	5 x 5 x 2 x		
5 2 1 5 3 1 2 1	5 x 5 x 2 x		
5 2 1 5 3 1 2 1	5 x 2 x		
2 1 5 3 1 2 1 3 2	5 x 2 x		
2 1 5 3 1 2 1 3 2	5 x		The second secon
5 3 1 2 1	2 x		Tree of the state
5 3 1 2 1	2 x		To the state of th
3 1 2 1 3 2	2 x		
3 1 2 1 3 2	2 x		
2 1 3 2	х		
2 1 3 2	х		
3 2	х	A STATE OF THE STA	
3 2			
3	1		
2	1		
2		Man Sta	A CONTRACTOR OF THE PARTY OF TH
		THE RESERVE AND ADDRESS OF THE PARTY OF THE	
2		新疆 688	
1		505 4	and the
	X	570	
_	3	State N.	Coop
5		DESCRIPTION OF STREET	
3 1	X		
1			304 34
_	2	1	ATT AND AND ADDRESS OF THE PARTY OF THE PART
1		1000 1000	
1			
	X		
			AND STORE
5			25.7
	5		
7			
	x		-
			The state of the s
			A Committee of the Comm
	1		
2			
	x		
	34	Mod	derate
_			>36 Severe
	1 2 2 3 3 5 7 5 3 1 1 2 1	2 x 2 3 3 3 5 5 7 5 x 3 1 1 2 1 x 34 6 Moderate	2 x 2 3 3 5 5 7 5 x 3 1 1 2 1 x Mod

Streambank Erosion Sev	erity Inde	x						
Site Description A	ctively er	oding cha	nnel/gully acr	oss a bend	in the riv	er south of Ma	lory	
Site visits on 6	/9/2007 1	L4:07		lat/long:	N47 51.	702 W96 55.1	72	
OBSERVA	ATION		SCORE	11		Malloty	A SECTION	(h
Condition of bank			3			4	N. P. BARBO	
Toe and upper bank eroo	ding	5			Me			
Toe undercutting	0	3	×		The Call			
Toe stable, upper bank e	roding	1		Jan 1911		100		
Problem Trend			5					
Increasing		5	×				3	
Decreasing or stable		1		A STATE OF THE STA				
Side-slope of bank			5		A CONTRACTOR OF THE PARTY OF TH			
Vertical, 1:1		5	X	En Chalar Cape		Total Silver	-1 10 500	
2:1, 3:1		2	^	ATT.			1 1 1 1 1 1 1 1	
4:1 or flatter		1					20 医30	
Length of eroded bank	,		5	THE RESERVE	128		A I	
More than 50 ft.	•	5	X			1 6 500		
20 to 50 ft.		3	^			© 2008 Tele Allas	3	Go
Less than 20 ft.		1		Pointer lat 47 8682	71" Ion -96.90871	65° elev 834 ft Streaming	100% E	ye alt
			2	No. 14			E THE SALE	
Depth of river More than 3 ft.		2	X					
Less than 3 ft.		1	^				40000000000000000000000000000000000000	
		1	1		Control of the			
Soil type or texture Sand		3		Day of				
Gravel		2		SAME THE	中国	to till a la	7 1	
Stratified		2				District.		
Clay, loam		1	X				PARTY.	
Vegetative Cover on b	ank slone		5	200		Marie		数
0-10%	alik slope	5	X	16				趨
10-50%		3	^			The second		16
50-100%		1						
Apparent cause of ero	rion		2					
Light access traffic	SIOII	1			K		學系 選	4
Obstruction in river		1				1		
Bank seepage		1					AND THE RESERVE	8 3
Gullying by side channel	S	1		200	THE PARTY	33-		19
Bend in river	-	2	×					
Wave action (impoundm	ents)	2		776				
Road-stream crossing;	,	3						
Moderate access traffic		3		100				
Heavy access (foot, hors	e, etc.)	5		STATE OF THE PARTY		-	N Z	30
Mean height of eroded			5				II (11 and 1)	No.
More than 20 ft.	_	7		No. of Lot	-		SIN	di
10 to 20 ft.		5	×		STATE OF	-53	and to	4
5 to 10 ft.		3		100000				200
Less than 5 ft.		1						200
Current			1					1
Fast		2				201		4
Slow		1	×					
Total Points for site			34	Mod	derate			
0-30 Minor		30-36	Moderate					

Streambank Erosion	Severity Index		Site 52		
Site Description	Cutbank along ber	d in Red	Lake River S	E of Fisher	
Site visits on	6/8/2007 10:43			lat/long:	N47 46.912 W96 45.800
	BSERVATION		SCORE		op Villa
Condition of bank			5	TO CHARLES	
oe and upper bank		5	X		
oe undercutting	erouring	3	^		
oe stable, upper ba	nk erodina	1		100	THE RESIDENCE OF STREET, SALES
	iik crouing		-		
Problem Trend		-	5		
ncreasing Decreasing or stable		5 1	Х	100	
		1	_	- O a	
ide-slope of bank	(5		
/ertical, 1:1		5	x	100	
2:1, 3:1		2			
1:1 or flatter		1			C C C C
ength of eroded	bank		5	100	
More than 50 ft.		5	x	TOTAL CO.	
20 to 50 ft.		3		4 4720 Tells - MCMH 65 M	1000 berlin
ess than 20 ft.		1		Carried St.	L
Depth of river			2		
More than 3 ft.		2	x		A STATE OF THE STA
ess than 3 ft.		1			Mary Mary
oil type or textur	e		1		
and		3		200	
Gravel		2		2,5	
Stratified		2		1	L ra
Clay, Ioam		1	X		
/egetative Cover	on bank slope		3	-	
0-10%	•	5			Maria Care Care Care Care Care Care Care Car
10-50%		3	x	W	A
50-100%		1			Company of the Compan
Apparent cause of	erosion		2		THE PERSON NAMED IN
ight access traffic		1			
Obstruction in river		1		学说	
Bank seepage		1			
Gullying by side cha	nnels	1			
Bend in river		2	x	E West of the	HONOR BURNEY
Wave action (impou	ndments)	2		The same of	
Road-stream crossin		3		237	Control of the Contro
Moderate access tra		3		And the same have	
Heavy access (foot, h		5		Consultation of the last of th	SOMEON CONTRACTOR OF THE PARTY
Mean height of er	oded bank		3	12	1
More than 20 ft.		7			
L0 to 20 ft.		5			
to 10 ft.		3	х		A STATE OF THE STA
ess than 5 ft.		1		Mary Mary	The state of the s
Current			2	made makes	
ast		2		-	
Slow		1	x	-	
Total Points for sit	e		33	Mod	derate

Streambank Erosion			Site 88-93
Site Description	Long stre	tch of bar	e streambar
Site visits on	6/8/2007	12:58 - 13	3:03
OBS	ERVATION		SCORE
Condition of bank	:		5
Toe and upper bank		5	X
Toe undercutting		3	
Toe stable, upper ba	nk eroding	1	
Problem Trend			1
Increasing		5	x
Decreasing or stable	e	1	
Side-slope of ban			5
Vertical, 1:1	n.	5	X
2:1, 3:1		2	^
4:1 or flatter		1	
Length of eroded	hank		5
More than 50 ft	Dalik	5	X
20 to 50 ft.		3	×
Less than 20 ft.		1	
Depth of river More than 3 ft.			2
More than 3 ft. Less than 3 ft.		1	X
		1	+ -
Soil type or textu	re		1
Sand		3	
Gravel Stratified		2	
Clay, loam		1	X
	on bank star		5
Vegetative Cover 0-10%	on bank sio	pe 5	5 X
10-10%		3	X
50-100%		1	
	foresian		2
Apparent cause of Light access traffic	erosion	1	2
Obstruction in river		1	
Obstruction in river Bank seepage		1	
Gullying by side cha	nnels	1	
Bend in river	anici3	2	x
Wave action (impor	indments)	2	^
Road-stream crossi		3	
Moderate access tra		3	
Heavy access (foot,		5	
Mean height of e			5
More than 20 ft.	Juca Dulik	7	,
10 to 20 ft.		5	X
5 to 10 ft.		3	-
Less than 5 ft.		1	
Current			2
Fast		2	
Slow		1	x
Total Points for si	te		33
Total Follits fol Si			33

Streambank Erosion	Severity Index	Site 54		
Site Description	Erosion by oxbow	SE of EGF		
Site visits on	6/8/2007 10:52	2		lat/long: N47 47.128 W96 46.201
	BSERVATION		SCORE	
Condition of bank			5	
Toe and upper bank		5	X	PARK THE BEST OF THE STATE OF T
Toe undercutting		3		
Toe stable, upper ba	nk eroding	1		
Problem Trend			5	
Increasing		5	x	
Decreasing or stable	2	1		
Side-slope of ban			5	
Vertical, 1:1		5	X	
2:1, 3:1		2		
4:1 or flatter		1		THE SHAPE
Length of eroded	bank		5	
More than 50 ft.		5	X	
20 to 50 ft.		3		and the same of th
Less than 20 ft.		1		
Depth of river			2	
More than 3 ft.		2	х	
Less than 3 ft.		1		7
Soil type or textur	re		1	
Sand		3		
Gravel		2		
Stratified		2		
Clay, loam		1	х	
Vegetative Cover	on bank slope		3	
0-10%		5		
10-50%		3	X	
50-100%		1		
Apparent cause of	f erosion		2	
Light access traffic		1		
Obstruction in river		1		
Bank seepage		1		A second
Gullying by side cha	innels	1		· ·
Bend in river		2	Х	
Wave action (impou Road-stream crossi		3		ide idea
Moderate access tra		3		Marie Marie Marie
Heavy access (foot,		5		
			3	
Mean height of en More than 20 ft.	oueu pank	7	3	
10 to 20 ft.		5		ment of the second
5 to 10 ft.		3	х	A STATE OF THE STA
Less than 5 ft.		1	-	STATE OF THE PARTY
Current			1	
Fast		2	_	
Slow		1	х	
	to		32	Moderate
Total Points for sit	I.C			IVIOUCIALE

Streambank Erosion Sev	erity Index		Site 103					
Site Description E	roding an	d slumpi	ng stemban	k NW of Fis	sher			
	5/9/2007 1		_		N47 49.14	4 W96 50.5	523	
OBSERV/			SCORE	-	THE C		NAME OF TAXABLE PARTY.	TO SERVE
Condition of bank	ATION		5					1900
Toe and upper bank eroo	dina	5	X					1900
Toe and upper bank eroo Toe undercutting	aing	3	Α				1	10000
Toe stable, upper bank e	roding	1		4		Contract of the same	1	
	Tourng		-					
Problem Trend		_	5	CONTRACT OF				
Increasing Decreasing or stable		5 1	X					
			-			TANK TO A		-
Side-slope of bank			5	TO DESCRIPTION OF		To the same		
Vertical, 1:1		5	X		and the second			
2:1, 3:1		2		A Control			Co of the same	1
4:1 or flatter		1		THE OWNER OF	1	1		142
Length of eroded ban	k		5					
More than 50 ft.		5	x	HATE OF BRIDE	100		The Land	A C
20 to 50 ft.		3		CHICAGO WHILE				-
Less than 20 ft.		1						
Depth of river			2					1
More than 3 ft.		2	x		10			
Less than 3 ft.		1			AV.			
Soil type or texture			1					- 1
Sand		3						
Gravel		2				THE REAL PROPERTY.	Link	
Stratified		2		18	Car The		ACCOUNT.	
Clay, loam		1	X		A. A.			
Vegetative Cover on l	oank slope	2	1		Same.	12		2
0-10%		5			4		是是公益	
10-50%		3					1000	
50-100%		1	x					
Apparent cause of ero	osion		2	EST 1000		THE REAL PROPERTY.	M.T	100
Light access traffic		1						THE R
Obstruction in river		1		S. Carrier				c c
Bank seepage		1		national values	married and a	ner electricities, of	281	
Gullying by side channel	s	1						
Bend in river		2	X					
Wave action (impoundm	nents)	2						
Road-stream crossing;		3		Cristian .				-
Moderate access traffic	1-1	3		SERVINAL	Page			Section 1
Heavy access (foot, hors		5		70	100	-		
Mean height of erode	d bank		5			Carrie	NAME OF TAXABLE PARTY.	
More than 20 ft.		7				The second		
10 to 20 ft.		5	x			CHARLES OF SE	-	
5 to 10 ft.		3			-			-
Less than 5 ft.		1			2		The same	
Current			1	-		-43.		
Fast		2		1	17-1			
Slow		1	х	Jan State of the S		-		-
Total Points for site			32	Mode	erate			

This is another site that is being farmed right up to the edge of the streambank, which, undoubtedly, contributes very much to the bank instability problem we have here.

>36

Severe

Moderate

30-36

0-30

Minor

Streambank Erosion S	Severity Inde	x	Site 104			
Site Description	Eroding	utbank al	ong bend in	river NW	of Fisher	
Site visits on	6/9/2007			lat/long:		475 W96 51.083
ORSE	RVATION		SCORE		C-SHEET	
Condition of bank	WAIION			20		WAR AND
	din-	5	5			
Toe and upper bank e Toe undercutting	roding	3	X) =	
Toe stable, upper bar	karodina	1				
	ik erouring	1	-	1		
Problem Trend			5			
Increasing		5	Х	A STATE OF THE STA		
Decreasing or stable		1	_			
Side-slope of bank			5			136443
Vertical, 1:1		5	X			
2:1, 3:1		2		Market Co.	1000	
4:1 or flatter		1		建筑		
Length of eroded b	ank		5	SHAPE OF		
More than 50 ft.		5	х		No.	
20 to 50 ft.		3			1 3	e just the same
Less than 20 ft.		1			the state of	
Depth of river			2			
More than 3 ft.		2	x			
Less than 3 ft.		1				
Soil type or texture	2		1	烈 医		The state of the s
Sand		3				
Gravel		2		Si Ba		STATE OF THE PARTY
Stratified		2				The state of the second
Clay, loam		1	X			
Vegetative Cover of	n bank slo	pe	1		A 1	
0-10%		5		1207	EN P	
10-50%		3		THE PARTY		
50-100%		1	x	1 4		The state of the s
Apparent cause of	erosion		2			
Light access traffic		1				
Obstruction in river		1				- parameter
Bank seepage		1		CONTRACTOR		The second secon
Gullying by side char	nels	1		A MONTH TO		-
Bend in river		2	X	1		The second second
Wave action (impour		2		1	A STATE OF	
Road-stream crossin		3				
Moderate access traf		3				
Heavy access (foot, h		5			P SHEET TO	
Mean height of ero	ded bank		5			
More than 20 ft.		7		1	The state of the s	
10 to 20 ft.		5	Х	N. Santa		
5 to 10 ft.		3		250	No. of	
Less than 5 ft.		1				
Current			1			Acres de la constitución de la c
Fast		2		1 25		
Slow		1	х			
Total Points for site	2		32	Mo	derate	
		30-36	Moderate			

Streambank Erosion	Severity Index	1					
Site Description							
Site visits on	6/10/2007	11:02		lat/long:	N/17 5/1 2	47 W96 58.	011
		11.02	CCORE	lat/long.	1147 34.3	47 0050 56	
	ERVATION		SCORE				0
Condition of bank		_	5			1000	-
Toe and upper bank	eroding	5	x		1 1	B 555	2
Toe undercutting		3				NEWS	
Toe stable, upper ba	ink eroding	1		9 70		133	
Problem Trend			5	000	The same of the sa	The same	2
Increasing		5	x	TINES!		ad .	
Decreasing or stabl	e	1		八里系	00		
Side-slope of ban	k		5			0	701
Vertical, 1:1		5	x				A STATE OF THE STA
2:1, 3:1		2		110		-	
4:1 or flatter		1		State of	1	•	9 M
Length of eroded	bank		3	Name of Post of Towns	1 2 1 m	•	Google
More than 50 ft.		5		THE STATE OF THE S			0
20 to 50 ft.		3	х	A SOURCE			
Less than 20 ft.		1	-		The same	1	
Depth of river			2		N. S. Carlot		
More than 3 ft.		2	X	WHAT THE	Mary 1		and the
Less than 3 ft.		1		-	4		diam's
Soil type or textu	re		1		120		
Sand		3			100		AT A STATE OF
Gravel		2			6		
Stratified		2		1			Marie I
Clay, loam		1	×				7
Vegetative Cover	on bank slop	e	3			£9.	Goode
0-10%		5		there is Partial to be	\$1950 Breed	28 A.C.	
10-50%		3	x	1	Sandin M.	State	
50-100%		1		ALC: NO	可以	A PARTY AND	stilled Sta
Apparent cause o	f erosion		2	1			
Light access traffic		1		M. C. A.			100
Obstruction in river		1		4	A L		
Bank seepage		1	×		1	ALECON PLAN	
Gullying by side cha	nnels	1		100			
Bend in river		2	X	A STATE OF			
Wave action (impor	indments)	2					
Road-stream crossi	ng;	3					
Moderate access tra	affic	3					
Heavy access (foot,	horse, etc.)	5					
Mean height of e	roded bank		5	The force	of water	coming inte	o the river
More than 20 ft.		7				opposite k	
10 to 20 ft.		5	х				
5 to 10 ft.		3			ol behind	the bank m	nay be
Less than 5 ft.		1		factors			
Current			1				
Fast		2					
Slow		1	х				
Total Points for si	te		32	Mo	derate		
0-30 Minor		30-36	Moderate		>36	Severe	

6/9/2007	14:53		lat/long:	N47 52.72	1 W96 56.4	82
		SCORE	4			MARIA J.
					N. BATTER	THE STATE OF
		3	/ **		1 000	0
erouring		-	- AIA		11837	
nk arodina		^		/#		
ik eroding	1		THE PARTY			
			-	1 5		N. ING.
		х	1-1-1	1		11
	1		(To the		
E .		5	4	9/ 60	**	
	5	x			97	
	2		1		N N	
	1		2498		A Company	- maria
oank		5	the strings of the		me me	Coo
	5	×	120	1	MA Sec	
	3		# 15 S S S S S S S S S S S S S S S S S S	A PARTY		1
	1		19 N. N. A.		10 TO	
		2			A State on	V
	2		A PS			No.
		^			al aller	-40
					N. San	
<u>e</u>		1	5/2			R. B. A.
			534	100 M		1
					Annual Property lies	THE REAL PROPERTY.
	_		B1 60	VANUAL OF		
on bank slo					1000	W. Tarrier
		x		7		600
				-	- 43	
	1			-	MAN AND AND AND AND AND AND AND AND AND A	-
erosion		2	-			A STATE OF
	1		7	and the	-	
	1			-01	Marie .	
	1			41270		-
nnels	1			1		100
	2	x		-		60
	2		SALVES NO.	FY4		200
	3		The same	100		
	3		3		. 434	March St.
iorse, etc.)	5		A LANGE	The said	Ac The	
oded bank		3		-	**	
	7		THE PARTY OF	The Table	A Thomas	Man &
	5					
	3	x			120	
	1					-
		1				
	2					
	1	×			-	
e		32	Mar	derate		
			IVIO	uciale		
	eroding nk eroding nk eroding k bank e on bank slo f erosion nnels ndments) ng; ffic norse, etc.) oded bank	eroding 5 nk eroding 1 Second Sec	ERVATION SCORE 3 eroding 5 nk eroding 5 5 5 8 1 8 5 8 1 8 5 8 1 8 5 8 1 8 5 8 1 8 5 8 1 8 8 8 9 1 8 8 8 8 8 8 8 8 8 8 8 8	## SCORE SCO	SCORE 3 3	## SCORE 3 3 1 1 1 1 1 1 1 1

Streambank Erosion Seve	rity Index		Site 38				
Site Description Er	oding streamb	ank 3 1/3	miles SE of Fi	sher			
Site visits on	6/8/2007 9:			lat/long:	N/17/17 09	30 W96 43.675	
_		43	SCORE	lat/long.	147 47.00	30 4030 43.073	THE PERSON NAMED IN
	RVATION		SCORE		1111		4-12
Condition of bank			5			一种	TENET DESIGN
Toe and upper bank erodi	ng	5		THE RESERVE	O. S. BOARD	PARTIES AND DE	URB STREET
Toe undercutting		3	X				
Toe stable, upper bank er	oding	1	+ -	12.17	THE RESERVE	THE RESIDENCE	THE PERSON NAMED IN
Problem Trend			1	7.5	1		
Increasing		5		100	- E 32/		
Decreasing or stable		1	X		Man (1	-
Side-slope of bank			5		1/8		10 A
Vertical, 1:1		5	X		V 0		7
2:1, 3:1		2					
4:1 or flatter		1		7337 70		EN BOS	
Length of eroded bank			5	THE ST	CARRO	W 11 197	AS ROY WITH THE
More than 50 ft.		5	x	BEST BE		- Company	_Google
20 to 50 ft.		3		RESTRUCTION OF STREET	THE REAL PROPERTY.		COOKS See See
Less than 20 ft.		1		D 20 FO FO	NAME OF TAXABLE PARTY.		100000000000000000000000000000000000000
Depth of river			2		图形 对		4 5 6
More than 3 ft.		2	x				
Less than 3 ft.		1			1/200		
Soil type or texture			1				
Sand		3				21	
Gravel		2			27 _	₩ on	
Stratified		2		STEEL STATE	99 P		12 12 15 an
Clay, loam		1	X	ESSENT OF THE PARTY OF THE PART			
Vegetative Cover on ba	ank slope		1		18 N		
0-10%		5		meta_ext			
10-50%		3			Dick W		
50-100%		1	x			化图像图像	
Apparent cause of eros	sion		2		18 A	PARTY TO	and the second
Light access traffic		1		Asset Call		N. martine annual Control	
Obstruction in river		1		eretitions descenden	228	d 100 he ma	Coog
Bank seepage		1					
Gullying by side channels	;	1		M.			
Bend in river		2	x				
Wave action (impoundme		2		Al H			
Road-stream crossing; gra	ade/shoulder	3		SVE			
Moderate access traffic		3		A fire a	St.		
Heavy access (foot, horse		5		1 2 D	See Marie		100
Mean height of eroded	l bank		7	1	10	-	STATE STATE
More than 20 ft.		7	x	-	14		
10 to 20 ft.		5					
5 to 10 ft.		3					
Less than 5 ft.		1					
Current			2				15
Fast		2					
Slow		1	X				
Total Points for site			31	Mo	derate		
0-30 Minor		30-36	Moderate		>36	Severe	

Streamha	nk Frosion S	everity Index		Site 42					
Site Descr		Eroding streamb	ank 2 8 m		char				
	•			iles east of th		NIA7 47 11	14 14/06 44	206	
Site visits		6/8/2007 9:5	07		lat/long:	N4/4/.1.	14 W96 44.	380	
		SERVATION		SCORE	4				
	n of bank			5		Service Contract	And the second		THE RESERVE
	pper bank er	roding	5	X	3	NE			
Toe under			3			CONTRACTOR OF	A STATE OF THE REAL PROPERTY.	SULPHIA STATE	- 1
	, upper banl	k eroding	1				- 2	1	
Problem				1	DU		T = 4		
Increasing			5				-	/Co	A. A.
	g or stable		1	x	100			1031	W DEZ
	oe of bank			5	13				71000
Vertical, 1	:1		5	х			1	2 m 2	10
2:1, 3:1			2		Sept 1	\cap	6		-
4:1 or flat			1						
Length o	f eroded ba	ank		5				CONTRACT OF THE PERSON	
More than			5	x	100			100	
20 to 50 f			3		8 N	200		30 7 TV	Coogle
Less than	20 ft.		1			A STATE OF THE PARTY.	-09	1204	Epital dilator
Depth of	river			2		Park Hilliams	_Google	Manager of Contract of the Contract	
More than	n 3 ft.		2	х	BOT WAN	10 m	STATE OF		
Less than	3 ft.		1					And the	是不是
Soil type	or texture			1			The same		1
Sand			3						
Gravel			2		ALC: ALC: ALC:				
Stratified			2		1114				
Clay, loan	n		1	X					
Vegetati	ve Cover o	n bank slope		5	-	-			-
0-10%			5	x					
10-50%			3		Section 1				
50-100%			1		8		-		
Apparen	t cause of e	erosion		2		- car			
Light acce	ss traffic		1			N			
	on in river		1		4		-	2000	100
Bank seep			1		and the second				277.5
	y side chan	nels	1					200	
Bend in ri			2	x			3		
	ion (impound		2				H. Control		
		; grade/shoulder	3			Section 1			Service State
	access traff		3 5		STATE OF THE	2.1 多少的特别	· · · · · · · · · · · · · · · · · · ·	1/2/201	100
		orse, etc.) traffic	5	-		N. Carlo			
	ight of ero	ded bank		3	1	7			WEST.
More than			7				A STATE OF THE PARTY OF	Total Control	
10 to 20 f			5						Control of the last
5 to 10 ft. Less than			3	X					All land
	5 IL.		1	_					
Current				2	100				
Fast			2						
Slow			1	X					
Total Poi	nts for site			31	Mo	derate			
0-30	Minor		30-36	Moderate		>36	Severe		

Streambar	nk Erosion S	everity Index		Site 46			
Site Descri	ption	Eroding cutbank 2	.1 miles	east of Fisher			
Site visits		6/8/2007 10:10			lat/long:	N4747.2	53 W96 45.151
orce visits		SERVATION		SCORE		1117 1712	
Condition		SERVATION		5		IN COLUMN	
	per bank e	roding	5	X		N C	
Toe under		oung	3	^		LAS IN	
	, upper ban	k eroding	1		47	PINA	
Problem		K Croding	_	1	1	1 87	
Increasing			5	1	100	-	
	g or stable		1	x	- 60		
			_	5	Y		
Vertical, 1	e of bank		5	x	0		
2:1, 3:1	.1		2	X			三人名英格兰 医乳头
4:1 or flatt	ar		1		1		A PA
				-	1000	-	
More than	eroded b	diik	5	5		-	
20 to 50 ft			3	Х			Surface Coo
Less than 2	-		1		WWW		
				1	S 10 30		WAS TO THE TANK OF THE PARTY OF
Depth of More than			-	2			
Less than 3			1	Х			
			1		153		
	or texture			1	7800		
Sand			3				
Gravel Stratified			2				
Clay, loam			1	X	是 孤		
		- bankalana	1			300	
0-10%	e cover o	n bank slope		3			130 March 1991
10-50%			5 3	Х	06 - 16		_Coog
50-100%			1	^			Markey &
	cause of	rocion	_	2			1000
Light acces		21031011	1		S. Brand	No	with a shade of the same
Obstruction			1				
Bank seep			1				
	y side chan	nels	1		200		国际是否定题 是完全现代
Bend in riv		-	2	x	Service of the last of the las	0.0	· · · · · · · · · · · · · · · · · · ·
Wave action	on (impoun	dments)	2		1/2/		and the second of the second
		; grade/shoulder	3		114	100	
Moderate	access traff	ic	3		-3		
Heavy acc	ess (foot, ho	orse, etc.) traffic	5		Pugito 3	B CYL	
Mean he	ight of ero	ded bank		5	The state of the s		*
More than			7				Wat a
10 to 20 ft			5	x		153	
5 to 10 ft.			3			9	State of the state
Less than 5	5 ft.		1		1	The A	Verilla Park
Current				2		E Vinter	
Fast			2		No. of Concession, Name of Street, or other party of the Concession, Name of Street, or other pa		
Slow			1	x			
Total Poi	nts for site			31	Mod	lerate	
0-30	Minor		30-36	Moderate		>36	

Site Description							
			nd in Red Lak	ce River SE	of Fishe	r	
Site visits on	6/8/2007	11:02		lat/long:	N47 47.	246 W96 46.788	
OBSE	RVATION		SCORE	A CONTRACTOR		, White	
Condition of bank			5		Fac. LTC		
Toe and upper bank	eroding	5	x		1200		
Toe undercutting		3		10 S	Att I		
Toe stable, upper ba	nk eroding	1					
Problem Trend			1				
Increasing		5		St. April			S
Decreasing or stable		1	x	(S)	100		
Side-slope of bank	I		5	-	70		
Vertical, 1:1		5	x				
2:1, 3:1		2		3000	The same of		
4:1 or flatter		1		Marie .	ALCO TO		
Length of eroded I	oank		5	1			1977
More than 50 ft.		5	X	The same of	AND AND		Van.
20 to 50 ft.		3		0	1	037	1
Less than 20 ft.		1		1	300		
Depth of river			2	100	10		AL.
More than 3 ft.		2	X	474730073 30474	18 8	COS San San San San San San San San San Sa	
Less than 3 ft.		1		100			
Soil type or textur	e		1				
Sand		3				-dia	
Gravel		2			.6		Ĕ "
Stratified Clay, loam		2	X			and the same of th	
	b		3			· 对外的证明。	
Vegetative Cover (0-10%	on bank sio	pe 5	3		444	条个品的原则是主义之。	
10-50%		3	x			THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NA	
50-100%		1		and the		Comp.	a see
Apparent cause of	erosion		2				
Light access traffic	Crosion	1		7			3/6
Obstruction in river		1					93
Bank seepage		1					-
Gullying by side cha	nnels	1					
Bend in river		2	x	The same of the sa			38
Wave action (impou	•	2			9		
Road-stream crossin		3					
Moderate access tra		3					
Heavy access (foot, h		5	_				
Mean height of er	oded bank		5				
More than 20 ft. 10 to 20 ft.		7 5				Silver Brown	
10 to 20 π. 5 to 10 ft.		3	Х				Es.
Less than 5 ft.		1				- 77	V
Current			2				2
Fast		2					50
Slow		1	x				
Total Points for sit	0	-	31	Mar	derate		
rotal Points for Sit	_	20.25		IVIO		0	1
0-30 Minor		30-36	Moderate		>36	Severe	

Streambank Erosion	Severity Index	1	Site 96						
Site Description	Eroding b	ank at out	let of drain	age (oxbov	/ lake?) ne	ear Fisher			
Site visits on	6/9/2007	9:24		lat/long:					
OBSI	ERVATION		SCORE	The same	1			SMILL!	BEGN.
Condition of bank	:		5		-		- #	MARKET .	
Toe and upper bank	eroding	5	X		7	1000	1 (Same		

	's 'ssees a se				
	/9/2007 9:24		lat/long:		Visit I was
OBSERVA	ATION	SCORE			
ondition of bank		5	2000年		#
oe and upper bank erod	ing 5	X		The second second	111
e undercutting	3		9.5		-111
e stable, upper bank er	roding 1				19
blem Trend		1	4 4		
creasing	5		一	(C) Comment	
creasing or stable	1	x	2 T 192	No. of Control of Control	and the
de-slope of bank		5	Sand		Same of
rtical, 1:1	5	x	ICS V		154
1, 3:1	2			E TE STORY	
L or flatter	1			The second	U
ngth of eroded bank	ζ	3	Carlotte Fall	Service Service	68.3
ore than 50 ft.	5			The state of the s	TO THE
to 50 ft.	3	x		A Contract	The same of
s than 20 ft.	1			A STATE OF	
pth of river		2	TO STATE OF THE PARTY OF THE PA	De Cos P	STATE OF
ore than 3 ft.	2	X			1
s than 3 ft.	1	^	474E13.24Th SETHERARIES	eer 367 m	200
I type or texture		1			
nd	3	1			
ovel	2				
atified	2				
y, loam	1	X			
		3			
getative Cover on b 0%	ank stope 5	3			
50%	3	x			
100%	1	X	Section 18 of Medical	TOWNS AND LINE	(A) (C) (C)
		-		全国的	
parent cause of ero		2			**************************************
ht access traffic struction in river	1		The second second		Se Class
struction in river nk seepage	1			W 800 / 53	V Marie
nk seepage Hying by side channel:		X	The state of the s		Carlotte Control
nd in river	2	X	A PART OF THE PART		Ni.
ave action (impoundm		^	The second second	TAKE THE PARTY	3.5
ad-stream crossing;	3		1110	N W	and the same
oderate access traffic	3		17	THE PARTY OF	The state of
avy access (foot, horse			2/1	Name of	
ean height of erode	,,	7	Contract of the Contract of th	THE RESERVE THE PERSON NAMED IN	
ore than 20 ft.	7	X	No. of the last		
0 to 20 ft.	5	^			
to 10 ft.	3		The state of the s		
s than 5 ft.	1		The second second		
irrent		2	-		
st	2				
DW .	1	x			
tal Points for site			Moderate		
		31	Moderate		
30 Minor	30-36	Moderate	>36	Severe	

Streambank Erosion	Severity Inde	x	Site 101					
Site Description	Eroding b	ank NW o	f Fisher					
Site visits on	6/9/2007	9:56		lat/long:	N47 48.8	13 W96 49.	803	
OBSE	RVATION		SCORE				1	CHANGE
Condition of bank			5			HITT		1000
Toe and upper bank	eroding	5	X			Commen		
Toe undercutting		3		100			Minus III	
Toe stable, upper bar	nk eroding	1						
Problem Trend			5		14	1		
Increasing		5	x					
Decreasing or stable		1				TO COM		
Side-slope of bank			5					
Vertical, 1:1		5	X			2		
2:1, 3:1		2		4.70		A 45		
4:1 or flatter		1			AND THE	10		
Length of eroded b	pank		3		REAL			1911919
More than 50 ft.		5	+ -				160	Fid.
20 to 50 ft.		3	x			- Annual Control	-	Googl
Less than 20 ft.		1		SHEET WHITE	TO HE	SOLD STATE OF THE	1000000	to de John
Depth of river			2		極相緣		200	200
More than 3 ft.		2	X					
Less than 3 ft.		1				V season		
Soil type or texture			1					
Sand		3	-	2 722	· ·			经 基本
Gravel		2					4 (60)	
Stratified		2				THE SE		
Clay, loam		1	x		人类			37 1
Vegetative Cover	on bank slor)e	5	A SA		A STATE OF		3 4
0-10%	on bunk stop	5	×			49000		
10-50%		3		7347				
50-100%		1		N 100		2 1 3 3		1
Apparent cause of	erosion		1		4 m	TA LA		
Light access traffic		1	?		0.000			Coog
Obstruction in river		1				on let n		
Bank seepage		1	?			Miller Sine	4	
Gullying by side cha	nnels	1					Marie .	to desirable for
Bend in river		2		A	Mills on		Step :	E.
Wave action (impour		2		S. Marie	4 /4 4			4
Road-stream crossin		3				1		
Moderate access tra		3					A COL	
Heavy access (foot, h		5			200	1200	-407.0	A 1 24
Mean height of er	oded bank		3			100	- Billian	1 2 4
More than 20 ft.		7						上記して
10 to 20 ft.		5					3	
5 to 10 ft.		3	X		-		-	
Less than 5 ft.		1					- 3	
Current			1		====	È		
Fast		2					-	
Slow		1	X					
Total Points for sit	e		31	Mod	derate			
0-30 Minor		30-36	Moderate		>36	Severe		

0-30 Minor	_	30-36	Moderate	1110	>36	
Total Points for sit	e		30	Mo	derate	
Slow		1	х	1		
Fast		2				
Current			1		SECOND SECOND	
Less than 5 ft.		1		~	-	
5 to 10 ft.		3		A	4	
10 to 20 ft.		5	x		-	B &
More than 20 ft.		7			200	A STATE OF THE PARTY OF THE PAR
Mean height of er			5	BALLY AND	& King	State on the Williams
Heavy access (foot, I	norse, etc.)	5				
Moderate access tra	ffic	3			20	
Road-stream crossir		3		28.3		
Wave action (impou	ndments)	2				
Bend in river		2	х			
Gullying by side cha	nnels	1		15		
Bank seepage		1				100
Obstruction in river		1			10 mm	
Light access traffic		1		1	1	A STATE OF THE PARTY OF THE PAR
Apparent cause of	erosion		2	国际内		
50-100%		1		334	1736	
10-50%		3	х	PANA PA	30.20	San Mile
0-10%		5		A11.198	STATE OF STREET	- And the second
Vegetative Cover	on bank slo	pe	3	5000	F 51	Const
Clay, loam		1	X	PARTY.	Service 1	
Stratified		2				A STATE OF
Gravel		2		A Charles States	A Park	
Sand		3	_	F (23)		and the same of th
Soil type or textur	e		1	111 11		
Less than 3 ft.		1		A STATE OF	8	
More than 3 ft.		2	х			and the late of th
Depth of river			2			
Less than 20 ft.		1				
20 to 50 ft.		3				
More than 50 ft.		5	X	100		The state of the s
Length of eroded	bank	_	5	7 (100)		
	L	1		come and so	12.1	Coog
2:1, 3:1 4:1 or flatter		1		130 SI	Val	
Vertical, 1:1		5	X			THE REAL PROPERTY.
Side-slope of bank	K	_	5			
Decreasing or stable		1	X	16	WATTY !	
Increasing		5				The state of
Problem Trend			1	1		
	nk eroding	1				
Toe undercutting Toe stable, upper ba	nk orodina	1				2000 CONTRACTOR OF THE PARTY OF
Toe and upper bank Toe undercutting	eroding	5 3	Х	200 EEE		NOT THE REAL PROPERTY.
		-	5			
Condition of bank					"The Lates	THE REAL PROPERTY.
OBSE	RVATION		SCORE		19	ALL S RESERVED TO SERVED T
Site visits on	6/9/2007	13:27		lat/long:	N47 51.	367 W96 54.379
Site Description	Long strea	atch of eroc	ling bank alo	ng farmed r	iver bank	
	6/9/2007		ling bank alo			367 W96 54.379

Streambank Erosion	Severity Index	ĸ					
Site Description	Erosion ne	ar the River	bend Supper	Club			
Site visits on	7/10/07			lat/long:	N47 54.6	39 W96 58.674	
OBSI	RVATION		SCORE		1	F	0
Condition of bank			3	HAR.		0	0
Toe and upper bank		5					STEE STEE
Toe undercutting		3	x				11.53
Toe stable, upper ba	nk eroding	1		9 9			ALC:
Problem Trend			5				2
Increasing		5	X			The state of the s	
Decreasing or stable	•	1					A
Side-slope of ban			5	100			
Vertical, 1:1	•	5	X				
2:1, 3:1		2					
4:1 or flatter		1					
Length of eroded	hank		3			Z - 1	Google
More than 50 ft.	Julik	5	-	واعتدعاتوالانتمات	and the same	11 13	^
20 to 50 ft.		3	x	THE REAL PROPERTY.	A CONTRACTOR OF THE PARTY OF TH	11 11	0
Less than 20 ft.		1		W /		X	
Depth of river			2	P 40			
More than 3 ft.		2	X	100	-		
Less than 3 ft.		1	^				
	-		1	100			
Soil type or textur Sand	e	3	1				
Gravel		2		100	100	THE SE PORCE	
Stratified		2			16		
Clay, loam		1	x		The state of the s	West	aber Sada
	on bank slan	_	3	TANKS.	A STATE OF THE PARTY OF THE PAR		and the
Vegetative Cover 0-10%	on bank stop	5 5	3	HACK!			Google
10-10%		3	x	100	Service March	O'V	0
50-100%		1	_ ^	" - week	> 4 m		
	araslan.		2	200	The same	No. of Street, or other Persons	
Apparent cause of Light access traffic	erosion	1		7	211	Real . 12 or 100 mm	-
Obstruction in river		1		100	72.5		
Bank seepage		1		7/3	•	Pt Trees	-
Gullying by side cha	nnels	1		10	200	Minnes.	AND .
Bend in river		2	x	1	1	Jan Bran	The barrier
Wave action (impou	ndments)	2		集治	A TOP OF	109	-
Road-stream crossin		3					
Moderate access tra		3					No. do
Heavy access (foot,		5			4224		And would
Mean height of er			5	e acidibles.		to war in it	
More than 20 ft.		7		ALL WITH		3. 当是 数许	S. Sales
10 to 20 ft.		5	X		ISH REPORT AND	The State of State of	No. of the
5 to 10 ft.		3					AND COLUMN
Less than 5 ft.		1			-	a contract contract	
Current			1	-	25 16		
Fast		2			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Slow		1	x				-
				24			
Total Points for sit	e		30	IVIO	lerate		

Streambank Erosion	Severity Inde	×	Site 113					
Site Description	Tall, slun	nping and	eroding bar	nk straight	west of Fi	sher waysi	de rest	
Site visits on	6/9/2007	11:40		lat/long:	N47 50.8	29 W96 52.	798	
OBSE	RVATION		SCORE	10000	100	ATME C		18957
Condition of bank			5	SEAR OF				
Toe and upper bank	eroding	5	x	The state of				Barre
Toe undercutting		3		THE SHE	3000 用温度		S	
Toe stable, upper ba	nk eroding	1		19 11				
Problem Trend			1	-			74	
Increasing		5			The last			
Decreasing or stable		1	x		10	2000年		
Side-slope of bank			5	100	U 16	A SAME	16	
Vertical, 1:1		5	X		T			
2:1, 3:1		2						
4:1 or flatter		1		10 10 K	100	16		
	hank		г	HARRY.		2	No. of the last of	
Length of eroded I More than 50 ft.	vank	5	5	13	MARIE IN	1/ ON	AND SHOW	2012-2
More than 50 π. 20 to 50 ft.		3	X	T. T.				_G
20 to 50 ft. Less than 20 ft.		1		ONUSA INDIANA	No. of Lot	1	5	
							- 65	
Depth of river More than 3 ft.			2	{				
More than 3 ft. Less than 3 ft.		2	Х					
		1		De LOCATION OF	200			
Soil type or textur	e		1	C CO	COMPANIE OF THE PARTY OF THE PA			TE
Sand		3			No.			313
Gravel		2			5.11	1		
Stratified		1			Section 2		100	
Clay, loam			X			A STATE OF THE STA	4	
Vegetative Cover	on bank slo		1		100		1	No to la
0-10%		5		MONTHS.		《		
10-50% 50-100%		3			10000	AND THE	200	卡拉德
		1	X		1000 Marie		建筑	1500
Apparent cause of	erosion	-	2		1000	A STATE OF THE PARTY OF THE PAR		
Light access traffic		1		1917 B	NAME OF THE OWNER, WHEN	100		- C
Obstruction in river		1		Artesian Republica	- CANADA	Marie Control	Jan San	10 to 100
Bank seepage Gullying by side cha	nnals	1						
Guilying by side cha Bend in river	IIIIEIS	2	х					
Wave action (impou	ndments)	2	^	- T				
Road-stream crossin		3		A STATE OF THE PARTY OF THE PAR				
Moderate access tra		3		2			4	
Heavy access (foot, h		5		100	1 15		78.5	是是
Mean height of er			7		Section 1	- Aller		
More than 20 ft.	oucu pank	7	X					
10 to 20 ft.		5		No. of the last of			- Total	
5 to 10 ft.		3					***	4
Less than 5 ft.		1					3	
Current			1					
Fast		2	-		-	12		
Slow		1	x		-	4		3-33
Total Points for sit	P		30	Mo	derate			
rotar ronnts for SIL	-		30	IVIO	uciale			

Streambank Erosion S	everity Inde	x		
Site Description	Erosion by	oxbow SE	of EGF	
Site visits on	6/10/200			lat/long:
	VATION	, 11.02	SCORE	
Condition of bank	VAIION		3	DIVE S
Toe and upper bank er	odina	5	3	* * * * * * * * * * * * * * * * * * *
Toe undercutting	ourng	3	x	The state of the s
Toe stable, upper ban	e arodina	1	^	
	Refouring	1	_	建
Problem Trend		5	5	
Increasing Decreasing or stable		1	X	E
		1		The second second
Side-slope of bank			5	
Vertical, 1:1		5	X	
2:1, 3:1		2		
4:1 or flatter		1		Coogle
Length of eroded ba	ank		3	Service of Parish to Service States of the S
More than 50 ft.		5		
20 to 50 ft.		3	X	The Second of
Less than 20 ft.		1		
Depth of river			2	
More than 3 ft.		2	x	
Less than 3 ft.		1		
Soil type or texture			1	
Sand		3		
Gravel		2		
Stratified		2		
Clay, loam		1	X	A STATE OF THE STA
Vegetative Cover o	n bank slop		3	-Const
0-10%		5		
10-50%		3	X	beating transmission of the
50-100%		1		A TOWN OF THE REAL PROPERTY.
Apparent cause of e	erosion		2	ARTHUR MAN TO SAME AND A
Light access traffic		1		m q
Obstruction in river		1		
Bank seepage		1		
Gullying by side chan	nels	1		
Bend in river	J\	2	Х	MATERIAL VALUE OF THE PROPERTY
Wave action (impound Road-stream crossing		2		
Moderate access traff	•	3		A STATE OF THE STA
Heavy access (foot, ho		5		国史 2
				的人民意义。
Mean height of ero More than 20 ft.	ueu bank	7	5	All the second of the second o
10 to 20 ft.		5		ALEXANDER OF THE PARTY OF THE P
5 to 10 ft.		3	Х	The second secon
Less than 5 ft.		1		
			1	《原生》。第5章是是
Current Fast		2	1	
Slow		1	x	
		1		Madarata
Total Points for site			30	Moderate
0-30 Minor		30-36	Moderate	>36 Severe

Minor

Streambank Erosion Severity Index		Site 47	
	k 2 miles -		
Site Description Eroding cutban		ast of Fisher	
Site visits on 6/8/2007 10	:20		lat/long: N47 47.069 W96 45.277
OBSERVATION		SCORE	
Condition of bank		3	A STATE OF THE STA
Toe and upper bank eroding	5		CONTRACTOR OF THE PROPERTY OF
Toe undercutting	3	X	
Toe stable, upper bank eroding	1		
Problem Trend		1	
Increasing	5		
Decreasing or stable	1	x	了。 一
Side-slope of bank		5	
Vertical, 1:1	5	X	
2:1, 3:1	2		TAC STATE OF
4:1 or flatter	1		
Length of eroded bank		5	
More than 50 ft.	5	x	
20 to 50 ft.	3		-up 2 companies - up 2 companies - Google
Less than 20 ft.	1		CONTRACT OFFICE AND ADDRESS OF THE A
Depth of river		2	
More than 3 ft.	2	X	100 mg
Less than 3 ft.	1	^	STATE THE STATE OF
		1	
Soil type or texture Sand	3	1	
Gravel	2		
Stratified	2		
Clay, loam	1	х	
Vegetative Cover on bank slope		1	10000000000000000000000000000000000000
0-10%	5	1	
10-50%	3		
50-100%	1	x	
Apparent cause of erosion		2	
Light access traffic	1	2	
Obstruction in river	1		Google Contract Contr
Bank seepage	1		APATRA CP 6 MPAPO AP 6 APAPO AP 6 APAPO AP 6 APAPO APA
Gullying by side channels	1		
Bend in river	2	x	
Wave action (impoundments)	2		
Road-stream crossing; grade/shoulder	3		Wide.
Moderate access traffic	3		A CONTRACTOR OF THE PARTY OF TH
Heavy access (foot, horse, etc.) traffic	5		
Mean height of eroded bank		7	THE RESERVE TO BE
More than 20 ft.	7	x	
10 to 20 ft.	5		
5 to 10 ft.	3		
Less than 5 ft.	1		
Current		2	
Fast	2		
Slow	1	x	
Total Points for site		29	Minor
0-30 Minor	30-36	Moderate	>36 Severe
0-30 IVIIIIOI	50-50	Moderate	>50 Severe

Streambank Erosion Severity Index		Site 48	
Site Description Eroding cutbank 1	8 miles	east of Fisher	
Site visits on 6/8/2007 10:25			lat/long: N47 47.365 W96 45.573
OBSERVATION		SCORE	10.7 to 11g. 1147 47.363 4750 45.375
Condition of bank			
Toe and upper bank eroding	5	5	
Toe undercutting	3	X	Ne hadasan and
Toe stable, upper bank eroding	1		
Problem Trend	1	1	
Increasing	5	1	
Decreasing or stable	1	, ,	
	1	x	
Side-slope of bank	-	5	
Vertical, 1:1	5	х	
2:1, 3:1 4:1 or flatter	1		THE STATE OF THE S
	1	_	A SECOND DESCRIPTION OF THE PROPERTY OF THE PR
Length of eroded bank		5	
More than 50 ft.	5	Х	THE PARTY OF THE P
20 to 50 ft. Less than 20 ft.	3		- Google
	1		
Depth of river		2	Mar 4
More than 3 ft.	2	x	
Less than 3 ft.	1		THE RESERVE AND ADDRESS OF THE PARTY OF THE
Soil type or texture		1	
Sand	3		A STATE OF THE STA
Gravel	2		
Stratified	2		The state of the s
Clay, loam	1	X	
Vegetative Cover on bank slope		3	
0-10%	5		
10-50%	3	X	
50-100%	1		
Apparent cause of erosion		2	
Light access traffic	1		
Obstruction in river	1		
Bank seepage	1		(C*0007)
Gullying by side channels	1		
Bend in river	2	Х	And the State of t
Wave action (impoundments) Road-stream crossing; grade/shoulder	3		
Moderate access traffic	3		
Heavy access (foot, horse, etc.) traffic	5		
		2	
Mean height of eroded bank More than 20 ft.	7	3	
10 to 20 ft.	5		
5 to 10 ft.	3	x	
Less than 5 ft.	1	^	
Current		2	
Fast	2	2	
Slow	1	x	
Total Points for site		29	Minor
	20.25		
0-30 Minor	30-36	Moderate	>36 Severe

Streambank Erosion S	Severity Index		Site 53		
Site Description	Cutbank along be	nd in Re	d Lake River S	E of Fisher	
Site visits on	6/8/2007 10:4	7		lat/long:	N47 46.898 W96 46.187
OI	BSERVATION		SCORE	37.0	
Condition of bank			5		
Toe and upper bank e	roding	5	X		
Toe undercutting		3			
Toe stable, upper bar	nk eroding	1			
Problem Trend			1	1	
Increasing		5	_		
Decreasing or stable		1	×	1	
Side-slope of bank			5		
Vertical, 1:1		5	x		
2:1, 3:1		2			
4:1 or flatter		1			
Length of eroded b	ank	1	5	W REAL	0000000
More than 50 ft.		5	x		
20 to 50 ft.		3		1	_Coogl
Less than 20 ft.		1		APATO IF N. WHISTON	produce 2000 facility 2000
Depth of river			2	\$40 \$40	
More than 3 ft.		2	x		The same of the sa
Less than 3 ft.		1		and the same	
Soil type or texture	<u> </u>		1	all the	
Sand	-	3	1	A SA	
Gravel		2		S SALVERY	
Stratified		2		Bandoide A	
Clay, loam		1	x	12 (4)	
Vegetative Cover of	n bank slope		3	E SE VAN	
0-10%	•	5			A THE STATE OF THE
10-50%		3	×	St. Sec. Allega	
50-100%		1		ACCO.	等於公司的基础的基础和特征的
Apparent cause of	erosion		2	193	一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
Light access traffic		1		1	
Obstruction in river		1		1000	
Bank seepage		1		1	
Gullying by side char	nnels	1			
Bend in river		2	x	125 712	No. of Contract of
Wave action (impour	•	2		18/10	
Road-stream crossin		3		170	
Moderate access traf		3		A CONTRACTOR OF	
Heavy access (foot, h		5	_		The second second
Mean height of ero	oded bank		3	T	
More than 20 ft.		7		1800	
10 to 20 ft.		5	<u> </u>	1000	**************************************
5 to 10 ft. Less than 5 ft.		3	X		
		1			
Current			2		And something of the last of t
Fast		2	<u>.</u>		
Slow		1	X		
Total Points for site	2		29	M	inor
0-30 Minor		30-36	Moderate		>36 Severe

cutbank, which would add weight and moisture.

	Severity Index		Site 55			
te Description	Cutbank along b	end in Re	d Lake River S	E of Fisher		
te visits on	6/8/2007 10:57			lat/long:	N47 47.1	12 W96 46.5
0	BSERVATION		SCORE			
ondition of bank			5			
oe and upper bank		5	x			V. 7138
oe undercutting	_	3				
oe stable, upper ba	nk eroding	1			E 1	100 Die
roblem Trend			1		The same	
ncreasing		5		A STATE OF THE PARTY OF THE PAR	26	
Decreasing or stable	!	1	x			
Side-slope of bank	(5	THE PERSON NAMED IN	第二部	
/ertical, 1:1		5	x	100	1)	
2:1, 3:1		2				The same
1:1 or flatter		1		A THE PARTY OF	THE STATE OF	1
ength of eroded	bank		5	No. of		
More than 50 ft.		5	х		ASD 15	The Vita
20 to 50 ft.		3		10	A AL	
ess than 20 ft.		1				
Depth of river			2	BANK LINE		
More than 3 ft.		2	x		S ES E	e me tame
ess than 3 ft.		1		DELINE STREET		
oil type or textur	e		1			
and		3				
Gravel		2				
Stratified		2				
Clay, Ioam		1	X			
/egetative Cover	on bank slope		3			
0-10%		5				
10-50%		3	х			
0-100%		1		BOOK AND		
Apparent cause of	erosion		2		A STATE	6
ight access traffic		1				Establish Committee of the Committee of
Obstruction in river		1				
Bank seepage		1				
Gullying by side cha Bend in river	nneis	2			美国	
send in river Wave action (impou	ndments)	2	X		CHECK AND	
Road-stream crossir		3			A MARIE CONTRACTOR	1
Moderate access tra		3		THE PERSON NAMED IN		Egg J Joseph
leavy access (foot, h		5				
Mean height of er		-	3			
More than 20 ft.		7				
LO to 20 ft.		5				
5 to 10 ft.		3	x			-
ess than 5 ft.		1				
Current			2			
ast		2				
low		1	x			
Total Points for sit	e		29	M	inor	
		30-36	Moderate		>36	Severe

SCORE 3	Streambank Er				Site 86
SCORE 3 3	Site Descriptio				d in Red Lak
3 5 3 X 3 X 1 1 1 5 1 X 5 5 X 2 1 1 5 X 3 1 1 2 2 X 1 1 3 2 2 X 1 1 X I 1 3 2 2 X 1 1 X I 1 3 2 2 X 1 1 X I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Site visits on_		6/8/2007	12:56	
S S S S S S S S S S		OBSERV	/ATION		SCORE
3	Condition of	f bank			3
1	Toe and upper	r bank ero	ding	5	
1	Toe undercutti	ting		3	X
5 1 x 5 5 x 2 1 1	Toe stable, up	pper bank e	eroding	1	
1	Problem Tre	end			1
5 x 2 1	Increasing			5	
5 x 2 1 1	Decreasing or	r stable		1	x
5 x 2 1 1	Side-slope o				5
2 1 1 5	Vertical, 1:1	or Burne		5	
1	2:1, 3:1				
5	4:1 or flatter				
5 x 3 1 1 2 2 x 1 1 3 2 2 2 1 1 X lope 3	Length of ero	roded han	nk		5
3 1 2 2	More than 50		IK .	5	
1 2 x 1 1	20 to 50 ft.	/ IC.			^
2 x 1 1	Less than 20 ft	ft.			
2 x 1 1 3 2 2 2 1 X Iope 3 5 3 X 1 2 1 1 2 1 1 1 2 X 2 X 2 3 3 3 5 k 5 x 3 1 2 2 2 1 X 2 2 1 X 2 2 1 X 2 2 2 1 X 2 2 2 1 X 2 2 2 1 X 2 2 2 1 X 2 2 2 2	Depth of rive				2
1	More than 3 ft			2	
1 3 2 2 2 1 1 X 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Less than 3 ft.				
3 2 2 1 X Iope 3 3 X 1 1 2 2 X 2 3 3 3 5 5 X 3 1 1 2 2 2 1 X 2 2 1 X 2 2 9				1	
2 2 1 X Iope 3 3 X 1 1 2 2 X 2 3 3 3 5 5 X 3 1 1 2 2 2 1 X 2 9	Soil type or t Sand	texture		2	1
2 1 X lope 3 5 3 X 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sano Gravel				
1	Stratified				
S	Clay, loam				v
5 3 x 1 2 2 1 x 29		C	hantt		
3 x 1 2 1 1 1 1 1 2 x 2 3 3 3 5 k 5 x 3 1 2 2 1 x 29	Vegetative C	cover on	Dank SIO		3
1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-10%				
2 1 1 1 1 1 2	10-50%				X
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50-100%			1	-
1 1 2 x 2 3 3 5 5 x 3 1 2 2 1 x 29	Apparent cau		osion		2
1 1 2 x 2 2 1 x 29	Light access tr				
1 2 x 2 3 3 3 5 5	Obstruction in				
2 x 2 3 3 3 5 5 k 5 7 5 x 3 1 2 2 1 x 29	Bank seepage Gullying by sid		ale		
2 3 3 5 5 k 5 7 5 x 3 1 2 2 1 x 29	Gullying by sid Bend in river		E15		v
3 3 5 5 k 5 7 5 x 3 1 2 2 1 x 29	Wave action (i		ments)		X
3 5 k 5 7 5 x 3 1 2 2 1 x 29	Road-stream c				
5 k 5 7 7 5 x 3 1 2 2 1 x 29	Moderate acce				
k 5 7 5 x 3 1 2 2 1 x 29	Heavy access				
7				_	
5 x 3 1 2 2 1 x	Mean height More than 20		eu pank	7	5
3 1 2 2 1 x 29	10 to 20 ft.	/ IL.			v
1 2 2 1 x 29	5 to 10 ft.				X
2 2 1 x 29	Less than 5 ft.	•			
2 1 x 29				1	
1 x 29	Current				2
29	Fast				
	Slow			1	
30-36 Moderate	Total Points	for site			29
	0-30 Mi	linor		30-36	Moderate

Site Description	
Site visits on	ory
OBSERVATION	
Condition of bank 1 Toe and upper bank eroding 5 Toe undercutting 3 Toe stable, upper bank eroding 1 x Problem Trend 1 Increasing 5 Decreasing or stable 1 x Side-slope of bank 5 X 2:1, 3:1 2 4:1 or flater 1 Length of eroded bank 5 X 2:0 to 50 ft. 3 Less than 3 ft. 2 x Less than 3 ft. 3 X X X X X X X X X	The state of the s
Toe and upper bank eroding Toe undercutting Toe stable, upper bank eroding Toe stable, upper bank eroding Tree Stable, upper b	
Toe undercutting Toe stable, upper bank eroding Toe stable, up	
Toe stable, upper bank eroding 1 x Problem Trend 1 Increasing 5 Decreasing or stable 1 x Side-slope of bank 5 Vertical, 1:1 5 x 2:1, 3:1 2 4 4:1 or flatter 1 Length of eroded bank 5 More than 50 ft. 5 x 20 to 50 ft. 3 1 Less than 20 ft. 1 Soil type or texture 1 Sand 3 3 Gravel 5 Stratified 2 1 Clay, loam 1 x Vegetative Cover on bank slope 10-10% 3 x Vegetative Cover on bank slope 10-10% 3 x Ob-100% 3 x Apparent cause of erosion 1 Ight access traffic 1 Obstruction in river 1 1 Bank seepage 1 x Goullying by side channels 1 1 Bend in river 2 x Wave action (impoundments) 2 Road-stream crossing; 3 x Moderate access traffic 3 1 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 7 More than 20 ft. 7 x 10 to 20 ft. 5 5 5 to 10 ft. Less than 5 ft. 1 Current 1 1 Fast 2 2 Slow 1 x	Marie Name of Street
Problem Trend 1	Market Company
Increasing 5	
Decreasing or stable 1	2
Side-slope of bank	
Vertical, 1:1	
2:1, 3:1	Gounty Ettel: Number Fittysis:
### Access traffic	
Length of eroded bank	
More than 50 ft. 5	
20 to 50 ft. Less than 20 ft. Depth of river More than 3 ft. Less than 3 ft. 1 Soil type or texture Sand Gravel Stratified Clay, loam Vegetative Cover on bank slope 0-10% 5 10-50% 5 20-100% Apparent cause of erosion Light access traffic Obstruction in river Bank seepage Gullying by side channels Bend in river Wave action (impoundments) Road-stream crossing; Moderate access traffic Bend in river Sand Source Source The stream of the s	A CONTRACTOR OF THE PARTY OF TH
Depth of river	Action ele Allas
Depth of river	Goog Goog
More than 3 ft.	Streaming 100% Eye all 166
Less than 3 ft. 1	
Soil type or texture	
Sand 3 3 3 3 3 3 3 3 3	
Stratified 2 2 2 2 2 2 2 2 2	2
Stratified 2 Clay, loam 1 x Vegetative Cover on bank slope 3 0-10% 5 10-50% 3 x 50-100% 1 Apparent cause of erosion 2 Light access traffic 1 Obstruction in river 1 Bank seepage 1 Gullying by side channels 1 Bend in river 2 Wave action (impoundments) 2 Road-stream crossing; 3 Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 7 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1	
Clay, loam	
Vegetative Cover on bank slope30-10%510-50%350-100%1Apparent cause of erosion2Light access traffic1Obstruction in river1Bank seepage1Gullying by side channels1Bend in river2Wave action (impoundments)2Road-stream crossing;3Moderate access traffic3Heavy access (foot, horse, etc.)5Mean height of eroded bank7More than 20 ft.710 to 20 ft.55 to 10 ft.3Less than 5 ft.1Current1Fast2Slow1x	S. B. LANCE
0-10%	The second second
10-50% 3 x 50-100% 1 Apparent cause of erosion 2 Light access traffic 1 Obstruction in river 1 Bank seepage 1 x Gullying by side channels 1 Bend in river 2 x Wave action (impoundments) 2 Road-stream crossing; 3 Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 7 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 1 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x	
Apparent cause of erosion Light access traffic Obstruction in river Bank seepage Gullying by side channels Bend in river Wave action (impoundments) Road-stream crossing; Moderate access traffic Heavy access (foot, horse, etc.) Mean height of eroded bank More than 20 ft. 5 to 10 ft. Less than 5 ft. Current Fast Slow 1 Current	THE PARK
Apparent cause of erosion Light access traffic Obstruction in river Bank seepage Gullying by side channels Bend in river Wave action (impoundments) Road-stream crossing; Moderate access traffic Heavy access (foot, horse, etc.) Mean height of eroded bank More than 20 ft. 5 to 10 ft. Less than 5 ft. Current Fast Slow 1 Current 1 Current 1 Current 1 Current 1 Current Curre	
Light access traffic Obstruction in river Bank seepage Gullying by side channels Bend in river Wave action (impoundments) Road-stream crossing; Moderate access traffic Heavy access (foot, horse, etc.) Mean height of eroded bank More than 20 ft. To to 20 ft. S to 10 ft. Less than 5 ft. Current Fast Slow 1 X X A A A A A A A A A A A	HAMPING THE RESERVE
Obstruction in river Bank seepage Gullying by side channels Bend in river 2 x Wave action (impoundments) Road-stream crossing; Moderate access traffic Heavy access (foot, horse, etc.) Mean height of eroded bank More than 20 ft. 10 to 20 ft. 5 to 10 ft. Less than 5 ft. Current Fast Slow 1 x X X A A A A A A A A A A A	
Bank seepage Gullying by side channels Bend in river 2 x Wave action (impoundments) Road-stream crossing; Moderate access traffic Heavy access (foot, horse, etc.) Mean height of eroded bank More than 20 ft. 10 to 20 ft. 5 to 10 ft. Less than 5 ft. Current Fast Slow 1 x A x A A A A A A A A A A A A A A A A	Action
Gullying by side channels Bend in river Wave action (impoundments) Road-stream crossing; Moderate access traffic Heavy access (foot, horse, etc.) Mean height of eroded bank More than 20 ft. 10 to 20 ft. 5 to 10 ft. Less than 5 ft. Current Fast Slow 1 X X X X X X X X X X X X	ele Allas Goog
Bend in river 2	Streaming IIII III 100% Eve all 2
Wave action (impoundments) 2 Road-stream crossing; 3 Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 7 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x	
Road-stream crossing; 3 Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 7 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x	
Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 7 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1	
Mean height of eroded bank 7 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 X X A X A X A X A X A X A X A X B	
Mean height of eroded bank 7 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1	
More than 20 ft. 7 x 10 to 20 ft. 5 5 5 5 5 10 ft. 3 Less than 5 ft. 1	
10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x	N SAN TO THE REAL PROPERTY.
5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x	THE RESERVE AND THE PARTY OF TH
Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x	
Current 1 Fast 2 Slow 1 x	
Fast 2 Slow 1 x	
Slow 1 x	
Total Points for site 28 Minor	
0-30 Minor 30-36 Moderate >36 Sever	

Streambank Erosion Sev	erity Index		Site 45			
	Froding cutbank 2.:	1 miles				
	6/8/2007 10:11	Limics	Cust of Fisher	I=4/I===	NA7 47 20	95 W96 44.812
Site visits on				lat/long:	N4/4/.2	95 W96 44.812
	RVATION		SCORE		3 42	
Condition of bank			3	1	自信告	
Toe and upper bank ero	ding	5			直线压	
Toe undercutting		3	X	10.11		STATE OF STREET
Toe stable, upper bank e	roding	1			1 12	
Problem Trend			1		-	
Increasing		5		TO		
Decreasing or stable		1	x			2 100
Side-slope of bank			5	3/6	7	
Vertical, 1:1		5	x			
2:1, 3:1		2				
4:1 or flatter		1			A A	
Length of eroded ban	k		5		Bar Car	CARL BUILD
More than 50 ft.		5	х		THE REAL PROPERTY.	
20 to 50 ft.		3		No. of the last		-Co
Less than 20 ft.		1		COLUMN WHILE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The state of the s
Depth of river			2	12.87		
More than 3 ft.		2	x		A TERES	ASSISTED AND ADDRESS OF THE PARTY OF THE PAR
Less than 3 ft.		1			(中) 红色	
Soil type or texture			1	是建筑	(F.)	
Sand		3				100
Gravel		2				1
Stratified		2			THE PARTY	
Clay, loam		1	X	100		
Vegetative Cover on	bank slope		3			233 T
0-10%		5				
10-50%		3	x	No.		A THE WAY
50-100%		1			-	No.
Apparent cause of ero	osion		2		MARK AND THE	
Light access traffic		1				The state of the s
Obstruction in river		1		PERSONAL PROPERTY.	A CONTRACTOR	ma dian
Bank seepage		1				
Gullying by side channe	ls	1		Sales and the		
Bend in river		2	х	CONTRACTOR OF THE PARTY OF THE		
Wave action (impoundn		2			24	-eti
Road-stream crossing; g Moderate access traffic	rade/snoulder	3		No.		
Moderate access traffic Heavy access (foot, hors	e etc \ traffic	5			Side as a	
		ر	-	4	The Later of the l	manufacto state
Mean height of erode	ea pank	_	3			The state of the s
More than 20 ft. 10 to 20 ft.		7		100		A STATE OF THE PARTY OF THE PAR
10 to 20 ft. 5 to 10 ft.		5 3			NWT TOTAL	The same of the sa
5 to 10 π. Less than 5 ft.		1	X			
		1	-			
Current		2	2			
Fast		2				
Slow		1	X		-	
Total Points for site			27	M	inor	
0-30 Minor		30-36	Moderate		>36	Severe

Streambank Erosion	Severity Index		Sites 50-51					
Site Description	Relatively tall slu	umping st	reambank SE	of Fisher				
Site visits on	6/8/2007 10:			lat/long:	N47 47.4	06 W96 45.	765	
	BSERVATION		SCORE	M .	1447 4711	1		OF THE PARTY OF
Condition of bank	DOLIN THIO I		3				100	
Toe and upper bank	eroding	5	3	19 19		2 2 100 THE ROLL OF	- 0	100
Toe undercutting	crouning	3	х					
Toe stable, upper ba	nk eroding	1		A STATE				
Problem Trend			1	1			-	THE REAL PROPERTY.
Increasing		5	1	And Service		1 1000		P10
Decreasing or stable		1	x		1 82			
Side-slope of bank		_	5		1	1		W 000
Vertical, 1:1	·	5	x	-	1	32/	Mineral I	most
2:1, 3:1		2	^	(A)				Sept 1
4:1 or flatter		1						12 0 2
Length of eroded l	hank		5	13				1000
More than 50 ft.	vuiik	5	X			113	THE REAL PROPERTY.	BE
20 to 50 ft.		3	^	7			A. A. A.	_ Google
Less than 20 ft.		1		STREET WHILEY		ejec 204 m	366	And District
Depth of river			2	-				发放。那样
More than 3 ft.		2	X	2012		Bulling	-	A A CONTRACT
Less than 3 ft.		1	^	STATE OF THE PARTY OF	60 TO 2425	at the state of	11/11/11	Section of the sectio
	•		1		TO SHAPE	7.542.53		
Soil type or textur	e	3	1					
Gravel		2						
Stratified		2						
Clay, loam		1	x	ALC:	a-100.			
Vegetative Cover	on hank slone		1	North at				ables a
0-10%	on bank stope	5	1	1		Karala.		ALC: N
10-50%		3						
50-100%		1	x		是到是	-	100	1
Apparent cause of	erosion		2	657			A PROPERTY.	
Light access traffic	Crosion	1		The second second		and the same of	10 - 12 e	1
Obstruction in river		1		100	The second	And Spinster.	The second second	a to
Bank seepage		1				Action to 12	and the second	A COMPANY OF
Gullying by side cha	nnels	1		- Area v			al	D. Web
Bend in river		2	х	13		10 10 10 10	and the same of	E WILL
Wave action (impou		2		to de	A		1	L. F. XA
Road-stream crossin		3		1	100		A H	
Moderate access tra		3		1		1	7.7	A POR
Heavy access (foot, h		5		10 m			42	
Mean height of er	oded bank		5		1	CONTRACTOR OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO	22.00	
More than 20 ft.		7		All Street	M. STREET	when the	No. of Belleville	ROM - W
10 to 20 ft.		5	х				The second division of	and the second
5 to 10 ft.		3		1				
Less than 5 ft.		1		A STATE OF				
Current			2					
Fast		2			-			
Slow		1	x					1
Total Points for sit	e		27	M	inor			
0-30 Minor		30-36	Moderate		>36	Severe		

Streambank Erosion			Site 16-18					
Site Description	Cattle operation	2 1/2 mile	es SE of Thief	River Falls				
Site visits on	6/1/2007 11:	19		lat/long:	N48 05.2	90 W96 05.6	65	
	BSERVATION		SCORE	The same	TALE			
Condition of bank			1		-		To be seen	
Toe and upper bank		5	1			A LILL	- 31	4
Toe undercutting	crounig	3			7 3			
Toe stable, upper ba	nk eroding	1	x	Thiefs	nerten .			
Problem Trend			5	4 6 0		STATE OF THE PARTY.		
Increasing		5	X	4 L 19		and the same of	The Carrie	No.
Decreasing or stable		1	^	-				D D
Side-slope of ban			5			S B	11.00	W
Vertical, 1:1	Ν	5	X			L-TENED	A	017
2:1, 3:1		2	_ ^		William .	18 A. S.	10 m	
4:1 or flatter		1				018	1	016
Length of eroded	hank		3	REASON S.	*			1
More than 50 ft.	Dailk	5	3	15	1		2 2 44	A STATE OF THE PARTY OF THE PAR
20 to 50 ft.		3	×	4.0	E CONTRACTOR	PERSONAL PROPERTY.		1
Less than 20 ft.		1	^	THE RESERVE	- Pince		THE PERSON NAMED IN	
Depth of river			2	BALL A	40	ots	n F	
More than 3 ft.		2	X		4			Co.
Less than 3 ft.		1	^					2002
Soil type or textur	70		1	A. Jan	445			
Sand	е	3	-				l'allies	
Gravel		2		3 1 1 2			47	
Stratified		2		A CONTRACTOR		SEAR F	A STATE	·
Clay, loam		1	x	A STATE OF	1964		Talking of the same	A. B.
Vegetative Cover	on hank slone		1		DAM &	or deposit	1	
0-10%	on bank stope	5					-	
10-50%		3				The second	- 100	
50-100%		1	x	1000		200		
Apparent cause of	f erosion		5	,				
Light access traffic		1						
Obstruction in river		1	E.		- An		State of the same	8
Bank seepage		1	-	make to take	and the	SELECTION OF THE PERSON OF THE	- Collins	
Gullying by side cha	nnels	1			1000			The section of the
Bend in river		2				E CONT	S. C. C. C. C. C.	
Wave action (impou	indments)	2				- 2		
Road-stream crossi		3					3	
Moderate access tra		3		-			The state of the s	
Heavy access (foot,	horse, etc.) traffic	5	x					
Mean height of er	oded bank		1				C. Marie	W. LANG.
More than 20 ft.		7				A Street		No. of the last of
10 to 20 ft.		5			A SHIP			TAX PART OF
5 to 10 ft.		3		-	1	- 6		
Less than 5 ft.		1	×		のおか		100000	
Current			2			- 1		
Fast		2						
Slow		1	x					-
Total Points for sit	te		26	M	inor			
0-30 Minor		30-36	Moderate		>36	Severe		

0-30 Minor		30-36	Moderat
Total Points for site			26
Slow		1	X
Fast		2	
Current		_	2
Less than 5 ft.		1	
5 to 10 ft.		3	x
10 to 20 ft.		5	
More than 20 ft.		7	
Mean height of ero	ded bank		3
Heavy access (foot, ho	rse, etc.)	5	
Moderate access traff	ic	3	
Road-stream crossing		3	
Wave action (impoun	dments)	2	
Bend in river		2	
Gullying by side chan	nels	1	x
Bank seepage		1	
Obstruction in river		1	
Light access traffic		1	
Apparent cause of e	erosion		1
50-100%		1	
10-50%		3	X
0-10%		5	
Vegetative Cover o	n bank slo	pe	3
Clay, loam		1	х
Stratified		2	
Gravel		2	
Soil type or texture Sand		3	1
		_	1
Less than 3 ft.		1	^
More than 3 ft.		2	X
Depth of river			2
Less than 20 ft.		1	X
20 to 50 ft.		3	
More than 50 ft.		5	
Length of eroded ba	ank		1
4:1 or flatter		1	
2:1, 3:1		2	
Vertical, 1:1		5	x
Side-slope of bank			5
Decreasing or stable		1	
Increasing		5	X
Problem Trend	r crouning	_	5
Toe stable, upper ban	k eroding	1	^
Toe and upper bank en Toe undercutting	ouing	5	X
Condition of bank			3
	VATION		SCORE
	6/9/2007	3.23	
Site visits on	C 10 10000	70-20	
Site Description Site visits on			nage near F

Streambank Erosion	Severity Index		Site 102					
Site Description	Slumping st	reamb	ank along a b	oend in th	e river N\	V of Fisher		
Site visits on	6/9/2007 9:5	58		lat/long:	N47 48.7	726 W96 49	.943	
OBSERVATION			SCORE					LONG STATE
Condition of bank			1					
Toe and upper bank		5	-	150			1	
Toe undercutting	crounig	3						
Toe stable, upper ba	nk eroding	1	х					
Problem Trend			1					
Increasing		5	1		1	Max		
Decreasing or stable		1	x		1000			
						alle.		
Side-slope of bank	K		5	CONTRACT	100000			
Vertical, 1:1		5	X		N EDWE		Control of	COLUMN TO A
2:1, 3:1 4:1 or flatter		2		2002				1000
		1	_	100			10	FILE
Length of eroded	bank		5		AME			-
More than 50 ft.		5	X	17-5				-
20 to 50 ft.		3		-		The same	The same of	-test 100
Less than 20 ft.		1		25		SECTION 1		365270
Depth of river			2					4
More than 3 ft.		2	X					
Less than 3 ft.		1						
Soil type or textur	e		1				TO THE PARTY	100
Sand		3						
Gravel		2					新田島	
Stratified		2		3000				
Clay, loam		1	X	753			AND SALE	175
Vegetative Cover	on bank slope		1	2 3 3 2 2 2 3		The second		1
0-10%		5		0		30000000000000000000000000000000000000	5公司计划2	Sellar.
10-50%		3		100			文的 是 200	
50-100%		1	x					
Apparent cause of	erosion		2	12 m	ra.			
Light access traffic		1		The latest				
Obstruction in river		1		A Section 1	ž.			
Bank seepage		1		110/190	A.			
Gullying by side cha	nnels	1		MAN TO SERVICE STATES	The same	de:		
Bend in river		2	Х	75 (3)	S	CHICAGO	The state of the s	
Wave action (impou		2		May be	Carles a	-	-	
Road-stream crossir		3						-
Moderate access tra		3					THE ROLL BO	The state
Heavy access (foot, l		5		- }	-			
Mean height of er	oded bank		7		-			
More than 20 ft.		7	x	. 20		100		
10 to 20 ft.		5		No.	ALL Y		-	The same
5 to 10 ft.		3		and the second	T.		7 300	- N. W.
Less than 5 ft.		1		· ·	1	-		The Sales
Current	<u></u>		1	Bridge of		1		
Fast		2			4	2		
Slow		1	X	1 (F)		1	10 de 7/4 (1995)	-
Total Points for sit	te		26	M	linor			
	3							

Site Description Sloughing bank along field between Fisher and East Grand Site visits on 6/9/2007 14:26 SCORE N47 52,046 W36 55,775	Streambank Erosion Se	verity Inde	x				
Site visits on 6/9/2007 14:26	Site Description	Sloughing	bank along	field betwee	n Fisher an	d East Gra	and
OBSERVATION				,			
Toe and upper bank eroding S Toe undercutting 3	OBSER'	SCORE	110				
Toe and upper bank eroding S Toe undercutting 3	Condition of bank						
Toe stable, upper bank eroding 1 Problem Trend 1 Increasing 5 Decreasing or stable 1 x Side-slope of bank 5 Vertical, 1:1 5 x 2:1, 3:1 2 1 4:1 or flatter 1 1 Length of eroded bank 5 More than 50 ft. 5 x 20 to 50 ft. 3 3 Less than 20 ft. 1 Depth of river 2 More than 3 ft. 2 x Less than 3 ft. 1 x Soil type or texture 1 Sand 3 Gravel 2 Stratified 2 Clay, loam 1 x Vegetative Cover on bank slope 1 0-10% 5 10-50% 5 10-50% 3 1 x Apparent cause of erosion 1 x Apparent cause of erosion 1		oding	5	_			
Toe stable, upper bank eroding				x		Land I	La la
Problem Trend		eroding	1			THE OF	
Increasing				1			
Decreasing or stable 1			5			IN I	28
Side-slope of bank	_			×		100	
Vertical, 1:1 5 x 2:1, 3:1 2 4 4:1 or flatter 1 1 Length of eroded bank 5 x More than 50 ft. 5 x 20 to 50 ft. 3 Less than 20 ft. 1 Depth of river 2 x More than 3 ft. 2 x Less than 3 ft. 1 x Soil type or texture 1 x Sand 3 3 Gravel 2 x Stratified 2 Clay, loam 1 Vegetative Cover on bank slope 1 x 0-10% 5 1 x 10-50% 3 5 1 x Apparent cause of erosion 1 x x Light access traffic 1 1 0 Dobstruction in river 1 1 1 Bend in river 2 x X Wave action (impoundments)			_		A 300 m		
2:1, 3:1 2			5		7 100		
### 1	· ·			^			
Length of eroded bank	_				- CONT. 188		
More than 50 ft. 5		l.		-	1	-	Coo
20 to 50 ft.		nk	-				
Less than 20 ft. 1				X	1	100	
Depth of river	20 10 20 11.		_		Sec. 1	1	
More than 3 ft.			1	_		T. C.	
Less than 3 ft. 1					6	No. of the last	
Soil type or texture				X	J	3	* •
Sand 3 Gravel 2 Stratified 2 Clay, loam 1 x			1		1		
Stratified 2				1	21 2	3	
Stratified 2					F LOS	3	
Clay, loam					# 1		
Vegetative Cover on bank slope 1 0-10% 5 10-50% 3 50-100% 1 Apparent cause of erosion 2 Light access traffic 1 Obstruction in river 1 Bank seepage 1 Gullying by side channels 1 Bend in river 2 Wave action (impoundments) 2 Road-stream crossing; 3 Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 5 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 Total Points for site 26							
0-10% 5 10-50% 3 50-100% 1 x Apparent cause of erosion 2 Light access traffic 1 0 Obstruction in river 1 1 Bank seepage 1 1 Gullying by side channels 1 1 Bend in river 2 x Wave action (impoundments) 2 x Road-stream crossing; 3 Analysis Moderate access traffic 3 Analysis Heavy access (foot, horse, etc.) 5 5 Mean height of eroded bank 5 5 More than 20 ft. 7 7 10 to 20 ft. 5 x 5 to 10 ft. 3 1 Less than 5 ft. 1 1 Current 1 7 Fast 2 2 Slow 1 x Total Points for site 26 Minor			_	X		A1177	
10-50% 3		n bank slop		1		The same	CON ACT
So-100%	0-10%				400	2.74	ATTEN AND AND AND AND AND AND AND AND AND AN
Apparent cause of erosion 2 Light access traffic 1 Obstruction in river 1 Bank seepage 1 Gullying by side channels 1 Bend in river 2 Wave action (impoundments) 2 Road-stream crossing; 3 Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 5 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 Total Points for site 26					No. of the	\$	A CONTRACTOR OF THE PARTY OF TH
Light access traffic 1 Obstruction in river 1 Bank seepage 1 Gullying by side channels 1 Bend in river 2 Wave action (impoundments) 2 Road-stream crossing; 3 Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 5 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 X X Total Points for site 26	50-100%		1	X		4 4	A STATE OF THE PARTY OF THE PAR
Obstruction in river 1 Bank seepage 1 Gullying by side channels 1 Bend in river 2 x Wave action (impoundments) 2 Road-stream crossing; 3 Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 5 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 Total Points for site 26 Minor		rosion		2		5.0	A STANK
Bank seepage	Light access traffic		1		100		Section 15
Gullying by side channels 1 Bend in river 2 Wave action (impoundments) 2 Road-stream crossing; 3 Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 5 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 X X Minor	Obstruction in river		1				The state of the s
Bend in river			1				
Wave action (impoundments) 2 Road-stream crossing; 3 Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 5 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x Total Points for site 26 Minor		els			1		
Road-stream crossing; 3 Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 5 More than 20 ft. 7 10 to 20 ft. 5 x 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x Total Points for site 26 Minor				X			The state of the s
Moderate access traffic 3 Heavy access (foot, horse, etc.) 5 Mean height of eroded bank 5 More than 20 ft. 7 10 to 20 ft. 5 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x Total Points for site 26 Minor						Brent P	18
Heavy access (foot, horse, etc.) 5						0	BURNEY FR.
Mean height of eroded bank 5 More than 20 ft. 7 10 to 20 ft. 5 x 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x Total Points for site 26 Minor						16	
More than 20 ft. 7 10 to 20 ft. 5 x 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x Total Points for site 26 Minor			5		1 m	540	Control of the second
10 to 20 ft. 5 x 5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x Total Points for site 26 Minor		ded bank		5	A CONTRACTOR	· Comment	All added to the same
5 to 10 ft. 3 Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x Total Points for site 26 Minor			-				and the same
Less than 5 ft. 1 Current 1 Fast 2 Slow 1 x Total Points for site 26 Minor				X	-	THE PARTY	
Current 1 Fast 2 Slow 1 x Total Points for site 26 Minor					The same of the sa		
Fast 2 Slow 1 x Total Points for site 26 Minor			1				
Slow 1 x Total Points for site 26 Minor				1			
Total Points for site 26 Minor							
			1		35.60	17	Market Service
0-30 Minor 30-36 Moderate 336 Severe	Total Points for site			26	M	inor	
55 William So So Wilder atc	0-30 Minor		30-36	Moderate		>36	Severe

Streambank Erosion Sev	erity Inde	ĸ	Site 114				
			ited erosion a	long a bend	in the rive	er SE of Mallo	ry
	5/9/2007			lat/long:		35 W96 53.2	
OBSERV.			SCORE	raty rong.	and the state of t	WALL STREET	
Condition of bank	AIION			. 12 B		100	
	dina	5	0	250.1.0		100	9
Toe and upper bank eroo Toe undercutting	aing	3		The state of the s			6
Toe stable, upper bank e	roding	1		100			BEESE !
Problem Trend	Tourng	1	-	The Cal			STREET, S
Increasing		5	1	7			
Decreasing or stable		1		. 1			0
		1	X	W. B.	1 6 5	1	
Side-slope of bank		-	5	Contract of the Contract of th	7 9	le ma	
Vertical, 1:1		5 2	X	~			BANK THE
2:1, 3:1 4:1 or flatter		1		-		LICE ALL	0
		1		PROBER STORES	A STATE		Coogk
Length of eroded ban	K	-	5		1		
More than 50 ft. 20 to 50 ft		5 3	X	2	- M		
20 to 50 ft. Less than 20 ft.		1			是 福		
		1	+ -	3		NAME OF	N 18 8 6
Depth of river		_	2	3/2012	76-6		
More than 3 ft.		2	X			REPORT OF	1000
Less than 3 ft.		1	_		1	A STATE OF	
Soil type or texture			1	102	VAS.	an india	
Sand		3		2.00		Park to De	
Gravel		2					
Stratified		2					
Clay, loam		1	X				-
Vegetative Cover on I	bank slop		1	Water Street		-	
0-10%		5				and the same	I we want
10-50%		3		18 18 18-	Sales Contract	- 1	
50-100%		1	X		1	1200	3000
Apparent cause of ero	osion		2	* Marie 1	A POST	经 现代的	St To T
Light access traffic		1		of the last of the			
Obstruction in river		1		-			
Bank seepage	le.	1				1 STANKE	and the second
Gullying by side channe Bend in river	15	2		-	-		100
Wave action (impoundm	nents)	2	X	William		The same of	
Road-stream crossing;	iciicaj	3		三 第2章	WHITE STATES	Marie and	sell in
Moderate access traffic		3		30 J	WAY I	A STATE OF	
Heavy access (foot, hors		5		W 31 3	209		Ple Sal
Mean height of erode			7	30 35	- 1144		The last
More than 20 ft.	- a want	7	X	Marie Age			
10 to 20 ft.		5		The same of	1 2 4 5		
5 to 10 ft.		3		SALES OF SALES			
Less than 5 ft.		1		N-K			
Current			1	- /			
Fast		2		11	6	-	
Slow		1	x	是一個		100	
Total Points for site			25	Мі	nor		
0-30 Minor		30-36	Moderate		>36	Severe	
0-30		30-30	woderate		>30	Severe	

Streambank Erosion Se			Site 106	_			
Site Description	-		bend in rive	r near fari			
Site visits on	6/9/2007	10:47		lat/long:	N47 49.	.342 W96 51.324	
OBSERVATION			SCORE	STEEL STEEL			
Condition of bank			3	- 担助		77	
Toe and upper bank er	oding	5		1			
Toe undercutting		3	X	20		The state of the last	A STATE OF THE PARTY OF THE PAR
Toe stable, upper bank	eroding	1		COV		MANAGEMENT OF THE PARTY OF THE	PER STATE OF THE PER ST
Problem Trend			1		0		A STATE OF THE PARTY OF THE PAR
Increasing		5					
Decreasing or stable		1	х	A STATE OF THE PARTY OF THE PAR			W Blok
Side-slope of bank			2				The same of
Vertical, 1:1		5					
2:1, 3:1		2	x	1	E IF		-
4:1 or flatter		1					2
Length of eroded ba	nk		5	pur la	N. C.		
More than 50 ft.		5	X				
20 to 50 ft.		3		100 M	Will a line		C C
Less than 20 ft.		1		sterders wedlers	STATE VALUE		200
Depth of river			2				
More than 3 ft.		2	x				
Less than 3 ft.		1		W. Land			
Soil type or texture			1	The same of the sa			
Sand		3		THE REAL PROPERTY.		9	State land
Gravel		2				2017 1 P	
Stratified		2				A SHARE ST	Marie Control
Clay, loam		1	X				
Vegetative Cover or	bank slop	pe	1				Broke Land
0-10%		5		A STATE OF THE PARTY OF THE PAR	100	-	
10-50%		3		and the	Property and	A PARTY OF THE PAR	and the same of
50-100%		1	х	(-14 A)			
Apparent cause of e	rosion		2				
Light access traffic		1					
Obstruction in river		1					
Bank seepage		1	х				
Gullying by side chann	nels	1		Char s			
Bend in river		2	X	No.			San Allen
Wave action (impound		3		and the second	ie.		S 22 22
Road-stream crossing; Moderate access traffi		3		1	April 1	salah se	2 10
Heavy access (foot, ho		5			September 1		
			-	19.4	The sale	THE PERSON NAMED IN	THE STATE OF THE S
Mean height of eroo More than 20 ft.	ied bank	7	7	See .			
10 to 20 ft.		5	X		No. of Lot	A STATE OF THE STA	
5 to 10 ft.		3		Service Control	-	196.7854	1
Less than 5 ft.		1			11/2/2		September 1
Current			1	THE REAL PROPERTY.	N. S. Ingel		The Park of the Lot of the Lot
Fast		2	1		- 3		
Slow		1	x		-		
Total Points for site		1	25	D.A	inor		
0-30 Minor		IV					
		30-36	Moderate		>36	Severe	

Streambank Erosion S	everity Index				
Site Description			in floodplair	n behind potatoe warehouses	
	6/10/2007			N47 55.278 W97 00.769	
			CCORE	1177 33.276 W37 00.703	A DESCRIPTION OF THE PERSON NAMED IN
OBSERVATION			SCORE		STREET O
Condition of bank			1		11471
Toe and upper bank e	roding	5		1000	ALL AND S
Toe undercutting		3			
Toe stable, upper ban	k eroding	1	X	TIX TOWN	3.
Problem Trend			1	場を選び	P
Increasing		5		一种的一个	•
Decreasing or stable		1	x		
Side-slope of bank			1		
Vertical, 1:1		5			
2:1, 3:1		2		101	
4:1 or flatter		1	1:1		Google
Length of eroded b	ank		3		E STATE OF THE STA
More than 50 ft.		5			No.
20 to 50 ft.		3	X	Charles Charles	W
Less than 20 ft.		1			2
Depth of river			2		
More than 3 ft.		2	x		
Less than 3 ft.		1			
Soil type or texture	<u> </u>		1		1200
Sand		3			THE THE
Gravel		2		Na.	
Stratified		2		The state of the state of	The second
Clay, loam		1	x	Annual State of the State of th	The second
Vegetative Cover of	n bank slop	e	5		Mar Ham &
0-10%		5	x	at and to a few and the state of the state o	Google
10-50%		3		Base of Paris and the Paris of	
50-100%		1			
Apparent cause of	erosion		5		
Light access traffic		1		Section 1	
Obstruction in river		1			
Bank seepage		1			
Gullying by side chan	nels	1			2000
Bend in river		2			一个 个
Wave action (impoun		2			mark in and (\$1) gay where the
Road-stream crossing		3		All Control and the second	STATE OF THE PARTY AND ADDRESS OF
Moderate access traf		3		學。從是一個用意	
Heavy access (foot, h		5	X		3月前日长
Mean height of ero	ded bank		3		- A BH - 1
More than 20 ft.		7			
10 to 20 ft.		5			
5 to 10 ft.		3	X		
Less than 5 ft.		1			
Current			1		
Fast		2			
Slow		1	X		
Total Points for site	:		23	Minor	
0-30 Minor		30-36	Moderate	>36 Sever	e

Streambank Erosion	Severity Inde	x	Site 100				
Site Description			ditch W of Fi	isher			
Site visits on	6/9/2007			lat/long:	N47 48	453 W96 49.499	
	RVATION	2170	SCORE	aty long.	1447 40.	(01)	ESPECIAL DE
							THE REAL PROPERTY.
Condition of bank		_	1		J.		
Toe and upper bank	eroding	5					
Toe undercutting	-1	3				6	
Toe stable, upper ba	nk eroding	1	X			The state of	
Problem Trend			5			DE LOCAL DE LA CONTRACTION DEL CONTRACTION DE LA	
Increasing		5	x				Market State
Decreasing or stable		1					
Side-slope of ban	K		2	SCHOOL STATE	THE RESERVE	· AND MARKET	TO ME TO
Vertical, 1:1		5				A Chart	
2:1, 3:1		2	X			- Total	BE O
4:1 or flatter		1				2	O TO THE !
Length of eroded	bank		5			1 6 6 6 M	1
More than 50 ft.		5	х				
20 to 50 ft.		3		-	A ACRES		- Co
Less than 20 ft.		1				1 6 6 6	
Depth of river			1				
More than 3 ft.		2		美国的			A STATE OF THE STA
Less than 3 ft.		1	x	The parties of		The Victorian	THE RESERVE
Soil type or textur	e		1				
Sand		3					
Gravel		2					
Stratified		2					
Clay, loam		1	X	100			
Vegetative Cover	on bank slop	e	1				
0-10%		5		TO SHE			
10-50%		3					
50-100%		1	х				
Apparent cause of	erosion		1				STATE OF THE PARTY
Light access traffic		1				CONTRACTOR OF THE PARTY OF THE	The second second
Obstruction in river		1		and the state of the state of			
Bank seepage		1		Control 1	237314	V DP	
Gullying by side cha	nnels	1	x			1	-d.m. 16.
Bend in river		2					
Wave action (impou	ndments)	2		AB 19			S. Hell
Road-stream crossir		3		學的學		White day of the	
Moderate access tra		3					1
Heavy access (foot, l	norse, etc.)	5		S. S. Carlot	A. A.		
Mean height of er	oded bank		1	1 month	1		100
More than 20 ft.		7		STATE WAY	SIN THE		A PARTY NAMED IN
10 to 20 ft.		5		STATE OF THE PARTY	10 m	and the second	
5 to 10 ft.		3					
Less than 5 ft.		1	x				
Current			2				
Fast		2	х				-
Slow		1			A PARTY OF THE PAR	The state of the s	AND DESCRIPTION OF THE PARTY OF
Total Points for sit	e		20	М	inor		
0-30 Minor		30-36	Moderate		>36	Severe	