

## **Appendix C: Inventory of Photographic Record Collection**

Date	31-May-07			
Site description	Granite Curling Club			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 169	~ 90 m from d/s end at GCC	W	Top of slope	Looking upstream along top of regraded slope.
field 170	~ 90 m from d/s end at GCC	S	Top of slope	Looking downslope along the regraded bank.
field 171	~ 90 m from d/s end at GCC	E	Top of slope	Looking d/s from GCC along re-graded slope. Note the high water level and thick accumulation of overbank deposits. Pathway covered in overbank deposits.
field 172	~ 180 m from d/s end	W	Base of re-graded slope	Looking u/s along lower slope. Note the thick accumulation of overbank deposits and scarp feature in the foreground.
field 173	~ 330 m from d/s end	S	Lower slope	Note the high water level and thick overbank sediments.
field 174	~ 375 m from d/s end	W	Middle of slope	Large accumulation of woody debris and overbank deposits on lower slope. Note the hummocky terrain in the forest and monitoring instrument in the foreground.
field 175	~ 375 m from d/s end	W	Beneath headscarp	Retrogression of scarp to parking lot on Balmoral Street. Note the exposed wood piles and dipping slope.
field 176	~ 290 m from d/s end	W	Lower slope	Tension cracks on lower slope.
field_373	D/s end	N	Mid slope	Looking u/s. Note the benched topography and leaning trees.
field_374	D/s end	N	Lower slope	Looking u/s along the river edge. Note the sinuous topography and large accumulation of overbank deposits on the lower slopes.
field_375	~ 70 m from d/s end	E	Mid slope	Looking upslope at the altered section
field_376	~ 100 m from d/s end	S	Lower slope	Looking d/s along the river edge. Note the large accumulation of overbank deposits and no visible scarp feature.
field_377	~ 140 m from d/s end	S	mid slope	Looking d/s along the altered section.
field_378	~ 140 m from d/s end	N	mid slope	Looking u/s into wooded section. Note the leaning trees, accumulation of overbank deposits and hummocky terrain.
field_379	~ 150 m from d/s end	N	lower slope	Looking u/s along river edge. Note the toe erosion, Note hummocky terrain and slump block topography.
field_380	~ 200 m from d/s end	S	mid slope	Looking d/s at hummocky terrain and slump block topography.
field_381	~ 250 m from d/s end	E	mid slope	Looking upslope at exposed piles of retaining wall at top of the slope
field_382	~ 275 m from d/s end	S	mid to lower slope	Very small scarp feature approx. 5 m long and 0.2 to 0.3 m in displacement.
field_383 to field_390	Osborne St. Bridge	E		Looking u/s from the Osborne St. Bridge along the river edge. Note the sinuous topography.
Date	04-Jun-07			
Site description	Fort Rouge Park			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 001	D/s section	SW	Lower bench	Trees tilted in two directions, scarp features continuing to 003 and 004 pictures. Looking upstream along lower slope (fuzzy shot). Note the leaning trees and hummocky topography.
field 002	Middle of section	W	River edge	Erosion at toe
field 003	~ middle of section	SW	Lower bench	Scarp indicating past movements. Note the leaning trees. Scarp ~ 0.7 m high.
field 004	~middle of section	S	Middle slope	Closeup of scarp feature
field 005	~middle of section	N	River edge	Recent fallen tree, still alive.
field 006	Middle of section	SW	Middle slope	Slumping on mid to lower slope. Note the hummocky topography.
field 007	Middle of section	SE	Middle slope	Slumping on mid to lower slope. Note the leaning trees.
field 008	U/s end	E	Base of upper slope on upper	Tension crack in grass. Tension crack is ~ 0.2 m wide and 0.3-0.5 m long.
field 009	Middle of section	SW	Upper slope	Headscarp at top of slope by clubhouse.
field 010	Middle of section	N	Upper slope	Looking downhill from top of slope.
field 011	Middle of section		Top of hill by clubhouse	Pavement distress at top of slope.
field 012				People requested that their picture be taken
field 013				People requested that their picture be taken
field 014				People requested that their picture be taken
field_361	Adjacent to clubhouse	NW	Top of slope	Looking u/s from top of slope by clubhouse.
field_362	Adjacent to clubhouse	SW	Top of Slope	Looking d/s from top of slope by clubhouse.
field_363	~ 60 m from d/s end	S	Mid slope	Leaning retaining wall at base of upper slope.
field_364	D/s end	NW	Mid to lower slope	Looking u/s. Note the scarp features on lower to mid slopes, thick accumulation of overbank deposits, leaning trees and hummocky terrain.
field_365	D/s end	NW	Lower slope	Looking u/s along river edge. Note the toe erosion and microterraces.
field_366	~ 30 m from d/s end	SW	Mid to lower slope	Looking d/s at slumping.
field_367	~ 30 m from d/s end	S/N	Mid to lower slope	Scarp feature visible on mid slope, extending for 15 m. Note soil bulging on mid to lower slope.
field_368	~ 60 m from d/s end	NW	Lower slope	Looking u/s along scarp feature.
field_369	~ 60 m from d/s end	NW	Mid to lower slope	Looking u/s at leaning fence post.
field_370	U/s end	SW	lower slope	Looking d/s at trees that have recently fallen into the water
field_371	U/s end	SW	lower slope	looking d/s at scarp feature that formed mid to lower slope
field_372	~ 60 m from d/s end	W	Mid slope	Looking upslope at upper face.
Date	04-Jun-07			
Site description	Munson Park			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 015	U/s end of section	SE	River edge	At edge of water looking d/s along river edge. Note the dessication cracking.

field 016	Middle of section	SW	Bottom of slope	Scarp at top of bank. Note the dessication cracks.
field 017	Middle of section	S	Middle of slope	Slump block topography. Note the hummocky terrain.
field 018	D/s end of section	SW	Bottom of slope	Scarp features continuing to end of d/s section and note leaning trees.
field 019	D/s east end of section	SW	Bottom of slope	Scarp face. Note the saturated lower section of the bank.
Date	05-Jun-07			
Site description	Wardlaw to Brandon			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 020	Far west end of south-most section	S	Upper slope	Storm sewer draining onto section. Note that half the culvert is blocked.
field 021	U/s end of southern section	S	Upper slope	Looking u/s towards Woodward. Note the hummocky topography on the lower slope.
field 022	U/s end of southern section	N	Upper slope	Looking downslope on lower portion of slope. Note the walkway through middle of the section and leaning trees.
field 023	D/s end of southern section	W	River edge	Along river edge. Note the bank erosion and leaning trees along the river edge.
field 024	D/s end of southern section	N	Top of upper slope	Looking d/s from headscarp area to the Red River. Note the hummocky topography and leaning trees.
field 025	At Woodward, d/s end	W	River edge	Looking d/s along concave bend in the Red River.
field 026	Mulvey, in middle section @ d/s end	S	Base of upper slope	Looking u/s along Red River. Note the extensive vegetation.
field 027	Northern section	NE	Middle of slope	Looking d/s along Red River toward Wardlaw. Note the extensive vegetation. Scarp features were noted during the field traverse. Ground was also noted to be hummocky.
field 028	Northern section	S	Middle of slope	Looking u/s along slump block topography. Scarp features were also noted during the field traverse.
field 029	Northern reach around 2 Donald St.	W	Middle of slope	Terrain was noted to be hummocky.
				Scarp feature along mid slope. Scarp feature was ~ 0.6-0.9 m deep and 0.3 m wide.
Date	05-Jun-07			
Site description	Chill Drive Park, Montague to Cockburn			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 030	D/s end of section	W	Close to river edge	Looking u/s along Red River. Note the failure slump in the foreground.
field 031	~ 20 m from d/s end of section	W	Mid bank	Small slump into River. May have been caused by toe erosion. Note the leaning trees.
field 032	~ 1/3 from d/s end of section (Montagu	W	Upper slope	Retrogression of the headscarp upslope. Note the seepage in the silt layers at top of headscarp.
field 033	~ 1/3 from d/s end of section	NE	Close to top of bank	Soil cut showing transition from upper complex zone to glaciolacustrine clay and retrogression of the headscarp upslope.
field 034	~ 1/3 from d/s end of section	W	Middle of bank	Soil slump in upper complex and glaciolacustrine material. Note the undercutting of the upper bank.
field 035	~ 1/3 - 1/2 way through section	N	Close to top of bank	Some movement appears to be recent.
field 036	~ 1/3 - 1/2 way through section	NE	Close to top of bank	Overhanging organic matter as slope retrogresses backwards. Note the contact between the subvertical dry silt and moist clay layer.
field 037	~ 1/3 - 1/2 way through section	NW	Close to top of bank	Active earth slump in the headscarp area.
field 038	At u/s end of section	W	Middle of bank	Active earth slumping in the headscarp area. Note the overhanging headscarp and extensive root system.
				Scarp feature located in thick overbank deposits. Note the leaning trees and accumulation of woody debris. Scarp is ~ 1.2 m deep and 0.7 m wide.
Date	05-Jun-07			
Site description	Guay Park			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 039	u/s end of section	NW	River edge	Small earth slump possibly due to toe erosion. Movement was fairly recent.
field 040	u/s end of section	SE	River edge	Recent slump activity along river edge. Headscarp is ~ 2.5 m high and is subvertical.
field 041	Middle of Section	SE	Base to Middle of slope	Looking upslope along failure section at scarps and failure terraces.
field 042	Middle to d/s end of section	NE	Middle of slope	Looking upslope at headscarp that has retrogressed upslope. Note the leaning mature tree and hummocky topography. Pockets of silt are poorly drained. Mature tree recently slumped on the slope.
field 043	d/s end of section	NW	Upper slope	Looking d/s along overhanging headscarp near private property line.
field_409	~ 30 m from u/s end of section	NW	Upper slope	Looking d/s along headscarp. Note the recent retrogression. Headscarp approx. 0.5 m in height.
field_410	~ 90 m from u/s end of section	NW	Upper slope	Looking u/s along the headscarp region. Note the recently fallen tree and benches.
field_411	~ 90 m from u/s end of section	SE	Upper slope	Looking u/s along the headscarp region. Note the recently fallen tree and benches.
field_412	d/s end of section	SE	Top of bank	Looking u/s along top of slope.
field_413	u/s end of section	SE	lower slope	Looking d/s along lower slope.
field_414	u/s end of section	SE	lower slope	Looking at small failure observed on lower slope.
Date	05-Jun-07			
Site description	Canoe Club			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 044	~ 100 m from d/s end of section	NE	Middle of slope	Looking u/s at large headscarp along edge of golf course. Headscarp is ~ 2-3 m in height. Note slump block topography and scarp features.
field 045	~ 100 m from d/s end of section	E	Middle of slope	Looking u/s at headscarp. Note the hummocky terrain and fill placed in the headscarp area.
field 046	~ 100 m from d/s end of section	NE	Middle of slope	Failure terraces and exposed scarp faces.
field 047	~ 200 m from d/s end of section	NE	Middle of slope	Looking u/s at headscarp. Note hummocky topography.

field 048	~ Middle of section	SE	Top of slope	Looking u/s at headscarp along edge of the fairway. Seepage was noted at the base of the headscarp.
field 049	~ 150 m from u/s end of section	SE	Top of slope	Looking u/s at failure topography. Slump blocky topography. Headscarp retrogressing upslope and soil was not well drained below the headscarp.
field 050	~ 50 m from u/s end of section	NW	Top of slope	Looking d/s at the slump block topography. Note the failure terraces and leaning trees.
field_424	~ 50 m from d/s end of section	NW	Top of slope	Looking d/s to wooded area with accumulation of overbank deposits and woody debris.
field_425	~ 50 m from d/s end of section	SE	Top of slope	Looking u/s at slump. Note the multiple failure benches and scarp topography. Headscarp approx. 2 m in height.
field_426	~ 80 m from d/s end of section	NW	Top of slope	Looking d/s at failure area. Note the undercutting in the headscarp area. Can feel retrogression and some tension cracks visible at top of the slope.
field_427	~ 80 m from d/s end of section	SW	Top of slope	Looking d/s at failure area. Note the undercutting in the headscarp area. Can feel retrogression and some tension cracks visible at top of the slope.
field_428	~ 180 m from d/s end of section	NW	Top of slope	Looking d/s along headscarp area. Note the slumping.
field_429	~ 180 m from d/s end of section	SW	Top of slope	Looking d/s along headscarp area. Note the slumping.
field_430	~ 220 m from d/s end of section	NW	Top of slope	Looking d/s at slumping in the headscarp area. Note the failure terraces.
field_431	~ 260 m from d/s end of section	NW	Top of slope	Looking d/s at slump block topography and multiple scarp features and failure terraces.
field_432	~ 310 m from d/s end of section	SW	Top of slope	Looking downslope at slump block topography. Note the water ponded in the cattails.
field_433	~ 320 m from d/s end of section	SE	Top of slope	Looking u/s at the slump block topography.
field_434	~ 370 m from d/s end of section	SE	Top of slope	Looking u/s at headscarp area. Headscarp increases to 1 to 2 m in height.
field_435	~ 380 m from d/s end of section	SW	Top of slope	Slumped material that is approx. 1 m in height and extends for 40 m.
field_436	~ 480 m from d/s end of section	NW	Top of slope	Looking d/s at slump block topography. Note the headscarp height decreases.
field_437	D/s end	NW	Top of slope	Looking d/s to start of section.
Date	05-Jun-07			
Site description	Toiler's Park			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 051	~ 20 m from u/s end of section	W	Middle of slope	Looking u/s at headscarp and large slumped block.
field 052	~ 30 m from u/s end of section	N	Middle of slope	Looking d/s at regraded slope and ripped edge. The private property owners have ripped their river edge.
Date	06-Jun-07			
Site description	Grandmont at Pembina			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 053	~ 30 m from u/s end of section	SE	Middle of slope	Looking u/s to the beginning of the section. Note the matted geotextile with nails. The terrain is slightly undulating.
field 054	~ 30 m from u/s end of section	N	Middle of slope	Looking d/s along the lower midslopes. Note the geotextile and willows along the water edge.
field 055	~ 30 m from u/s end of section	W	Middle of slope	Looking d/s along the mid slope. Note the fill pile in the middle of the slope. Seepage was noted at the base of the fill site.
field 056	~ Middle of section	N	Middle of slope	Scarp feature along the mid slope. The scarp is ~ 0.3 m deep and 0.3 m wide.
field 057	deleted - duplicate of 056			
field 058	deleted - duplicate of 056			
field 059	~ 2/3 along section from u/s end	N	Middle of slope	Looking d/s along beginning of scarp feature.
field 060	~ 2/3 along section from u/s end	W	Close to top of slope	Retaining wall with sagging geotextiles underneath. Headscarp of slump retrogressing underneath retaining wall. Note the exposed geotextile and fill.
field 061	~ 2/3 along section from u/s end	SW	Close to top of slope	Exposed piles adjacent to retaining wall and roadway. Movement appears to be recent in the headscarp area.
field 062	~ 2/3 along section from u/s end	NE	Top of slope on sidewalk	Headscarp retrogressing to upslope side of retaining wall.
Date	06-Jun-07			
Site description	St. Mary's Rd at Perimeter			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 063	U/s end of section	NE	Top of slope	Looking d/s from upstream area. Note the slumped topography with multiple scarp features in the foreground. Slope is poorly drained.
field 064	100 m from west end	N	Top of slope	Looking d/s. Note the headscarp in the foreground and the failure terraces downslope. Headscarps are retrogressing upslope and slope is poorly drained.
field 065	200 m from west end	S	Middle of slope	Looking upslope along slumped section. Slope regraded but experiencing movement. Evidence of recent tension cracks.
field 066	250 m from west end	S	Middle of slope	Regraded slope, very fuzzy.
field 067	250 m from west end	N	Middle of slope	Looking d/s to Normand Park from the d/s end of the section. Ground is hummocky with multiple failure terraces and scarp features.
field_301	U/s end of section	NE	Top of slope	Looking d/s at recent retrogression of headscarp
field_302	U/s end of section	NE	Top of slope	Looking d/s at section. Note the placed rip rap and toe erosion.
field_303	~ 150 m from u/s end of section	NE	Middle of slope	Looking d/s along section at altered portion. Benched topography along length of slope (0.5 to 0.75 m in height) approx. 100 to 200 m from u/s end.
field_304	~ 250 m from u/s end of section	S	Middle of slope	Looking u/s to start of section.
field_305	~ 300 m from u/s end of section	S	Middle of slope	Looking u/s along the section. Note the stepped topography.
field_306	~ 300 m from u/s end of section	NW	Middle of slope	Looking d/s along the section. Note the headscarp, benched topography and toe erosion.

Date	06-Jun-07			
Site description	Normand Park			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 068	~ 100 m from d/s end	NE	Middle to top of slope	Multiple scarp features in upper slope with overhanging trees. Multiple scarp features and slump block topography. Note the leaning trees. Looking d/s along scarp feature. The topography is slump block like and there is evidence of leaning trees. Ground is poorly drained.
field 069	~ 100 m from d/s end	NW	Middle of slope	View along overgrown mid slope of failure section. Extensive scarp features and failure terraces noted. Ground is saturated and headscarp is retrogressing upslope.
field 070	~ Middle of section	S	Middle of slope	Surface water ponding on lower slope.
field 071	~450 m from d/s end	SW	Bottom of slope	
field 072	~450 m from d/s end	S	Lower slope	Scarp feature on mid to lower slope in overbank deposits. Scarp feature is about 0.3 - 0.45 m high.
field_307	~ 100 m from d/s end	N	Middle of slope	Looking u/s at headscarp region. Note the scarp topography.
field_308	~ 100 m from d/s end	S	middle of slope	Looking d/s in headscarp region. Note the failure microterraces and soil bulges and slumping at base of headscarp region.
field_309	~ 120 m from d/s end	S	Lower slope	Looking u/s along river edge (approx. 1m between lower slope and river edge)
field_310	~ 120 m from d/s end	N	Lower slope	Looking d/s along river edge. Note the sinuous topography at the start of the section.
field_311	~ 120 m from d/s end	NE	Middle slope	Looking upslope at the headscarp region. Note the slumped topography and leaning trees.
field_312	~ 120 m from d/s end	NE	Middle slope	Looking upslope at the headscarp region. Note the slumped topography and leaning trees.
field_313	~ 250 m from d/s end	S	Lower slope	Looking u/s along the river edge.
field_314	~ 250 m from d/s end	NE	Middle of slope	Looking upslope at the hummocky topography.
field_315	~ 250 m from d/s end	NE	Middle of slope	Looking upslope at headscarp area. Note the hummocky topography and scarp features.
field_316	~ 300 m from d/s end	S	Lower slope	Looking u/s at river edge erosion.
field_317	~ 370 m from d/s end	NE	Lower slope	Looking d/s at river edge erosion.
field_318	~ 400 m from d/s end	NE	Middle slope	Looking upslope at headscarp region. Note the hummocky topography.
field_319	~ 430 m from d/s end	NE	Lower slope	Slump at base of the slope.
field_320	~ 430 m from d/s end	S	Lower slope	Looking u/s along lower slope.
field_321	~ 500 m from d/s end	NE	Middle of slope	Looking upslope at slumping. Note the hummocky topography, scarp features and leaning trees.
field_322	~ 550 m from d/s end	S	Lower slope	looking u/s at large accumulation of overbank deposits, leaning trees and hummocky topography.
field_323	~ 600 m from d/s end	NE	Middle of slope	Looking d/s at headscarp area. Note the leaning trees, soil bulging at base of the slope and scarp features. Some scarp features appear recent.
Date	06-Jun-07			
Site description	King's Park			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field 073	u/s end of section	NW	Middle of slope	Looking u/s along river edge from u/s end of section
field 074	~110 m from u/s end of section - same s E		Middle of bench	Headscarp area in u/s area. Note the leaning trees and recent sloughing in headscarp.
field 075	~120 m from u/s end of section	SE	River edge	Looking d/s along the river edge. Note the leaning trees, thick vegetation and subvertical river bank face
field 076	~120 m from u/s end of section - same s E		Top of bench	Headscarp area at top of slope. Note the recent sloughing and leaning trees.
field 077	~ 225 m from u/s end of section - same :SE		Top of slope	Formation of recent scarp feature along walking path. Headscarp is about 0.8 m high at 50 m long.
field 078	About the same shot as 184 but looking SE		Lower slope	Headscarp o/s from top of slope by 7.5 m.
field 079	~ 280 m from u/s end of section, can see E		Middle of slope	Scarp feature on lower slope. Note the dense vegetation.
field 080	~ 290 m from u/s end of section, same s E		Base of headscarp	Hummocky topography on lower slope. Note the thick overbank deposits and scarp features in the background.
field 081	~ 320 m from u/s end of section, same s SE		Top of slope	Formation of scarp feature at base of headscarp. Note the microterraces in the headscarp area.
field 082	~ 400 m from u/s end of section, same s SE		Middle of slope	Recent scarp feature that formed along upper walkway. Approx. 1.0-1.5 m in height.
field 083	~ 3/4 from u/s end of section - did not p SE		Middle of slope	Multiple scarp features that formed on lower slope. Note the leaning trees.
field_177	~ 60 m from u/s end of section - about t W		Middle of bench	Scarp features along middle of slope. Note the hummocky terrain, leaning trees and thick overbank deposits.
field_178	~ 60 m from u/s end of section	SE	Edge of river	Looking u/s along river edge. Note overbank deposits.
field_179	~120 m from u/s end of section	NW	Top of bench	Looking d/s along river edge, note dense vegetation, leaning trees, overbank deposits and some desiccation cracking.
field_180	~120 m from u/s end of section - same s E		Top of bench	Looking u/s along ~ 3 m high headscarp. Note the recent sloughing in the headscarp area.
field_181	~110 m from u/s end of section	NW	Top of bench	Looking d/s along headscarp. Note leaning trees and overbank deposits. Headscarp area appears to be retrogressing upslope.
field_182	~110 m from u/s end of section - same s E		Middle of bench	Recent sloughing in headscarp area. Note the subvertical headscarp face.
field_183	~ 225 m from u/s end of section - same :SE		Top of slope	Looking d/s from mid slope. Note large headscarp in background, overbank deposits and leaning trees.
field_184	~275 m from u/s end of section	NW	Middle of bench	Looking d/s along recent scarp feature along walking path. The scarp is ~ 0.75 m high and is subvertical. Looking u/s along lower slope. Note hummocky topography and overbank deposits. Vegetation is fairly extensive.

field_185	~290 m from u/s end of section	SE	Top of bench	Looking d/s along headscarp that has a scarp feature at the base. Note ponded water, microterraces, overbank deposits, and recent sloughing in headscarp area.
field_186	~290 m from u/s end of section	N	Top of bench	Looking u/s to the headscarp area. Headscarp is about 4 - 5 m in height.
field_187	~310 m from u/s end of section	NW	Top of bank	Looking u/s at tension crack that will form into a scarp. Crack is about 3 m long, 0.3 m wide, and is located above a culvert.
field_188	~320 m from u/s end of section	S	Middle of bench	Looking d/s at ponded water. Note large accumulation of woody debris.
field_189	~320 m from u/s end of section	SE	Top of bank	Looking d/s along scarp feature located at the top of the path. Scarp is 1 m high and about 50 m long.
field_190	~345 m from u/s end of section	SE	Middle of bench	Scarp is o/s from top of slope by 8 m and is subvertical. Looking d/s at recent scarp feature on lower bench. Note overbank deposits, leaning trees and dessication cracks.
field_191	~400 m from u/s end of section	S	Top of bench	Looking d/s at transition from 2 scarp features on upper slope to 1 scarp feature. Note recent scarp faces, tilted trees, hummocky topography, poor drainage and overbank deposits. Headscarp is about 2 m high and is subvertical. Seepage was noted at base of headscarp.
field_192	~425 m from u/s end of section	NW	Top of bench	Looking u/s at recent scarp feature. Note that the overbank deposits are poorly drained.
field_193	~475 m from u/s end of section	SE	Base of headscarp	Looking d/s at ongoing scarp feature. The headscarp is 3-5 m in height. Note fallen trees and overbank deposits. The overbank deposits are poorly drained.
field_194	~490 m from u/s end of section	E	Base of headscarp	Looking upslope at recent sloughing (likely this year). Note the overturned tree.
field_195	~515 m from u/s end of section	NW	Base of headscarp	Looking u/s at recent tension cracks along base of headscarp. Note leaning trees, overbank deposits and hummocky topography.
field_196	~515 m from u/s end of section	SE	Top of slope	Looking d/s along upper headscarp. Headscarp is 3 to 5 m in height and o/s from middle headscarp by 5 m.
field_197	~535 m from u/s end of section	SE	Base of headscarp	Looking d/s at headscarp along path. The headscarp is 3-5 m in height. Note the leaning trees. A scarp is forming at the contact between the silt and clay. Water was noted to be seeping at the contact.
field_198	~550 m from u/s end of section	NE	Base of headscarp	Looking upslope at headscarp area at contact between Upper Complex Silt and Upper Complex Clay. Note the subvertical scarp face formed in the silt layer and the well-drained nature of the silt compared to the clay layer.
field_324	~80 m from u/s end of section	NW	Middle of slope	Looking d/s at river edge erosion.
field_325	~80 m from u/s end of section	SE	Middle of slope	Looking u/s at river edge erosion.
field_326	~250 m from u/s end of section	NE	Top of slope	Looking d/s at headscarp area from the culvert area. Note the hummocky lower slope with leaning trees.
field_327	~250 m from u/s end of section	NW	Lower slope.	Headscarp approx. 1.5 m in height.
field_328	~450 m from u/s end of section	NW	Lower slope	Looking u/s at river edge erosion. Note the fallen trees.
field_329	~450 m from u/s end of section	SE	Top of bank	Looking u/s along lower slope. Note the hummocky topography, leaning trees and multiple scarp features.
field_330	~500 m from u/s end of section	SE	Middle of slope	Looking d/s. Note the hummocky topography, 3 m sub vertical headscarp with some undercutting.
field_331	~500 m from u/s end of section	NW	Top of bank.	Looking d/s at retrogression in headscarp area. Note the recent movement.
				Looking upslope at undercutting at top of slope. Note the exposed roots.

Date	08-Jun-07			
Site description	Mordant to Annabella			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_084	U/s end of section	W	Middle of slope	Looking u/s on lower slope. Note thick overbank deposits, dessication cracks and leaning trees. Erosion was noted at the toe of the lower bank.
field_085	~10 m from u/s end of section	NW	Middle of slope	Looking upslope on lower slope. Note dense vegetation. Drainage was noted to be poor on the lower sections.
field_086	~75 m from u/s end of section	E	Bottom of slope	Looking d/s at accumulation of woody debris on bank and river edge.
field_087	~1/3 from u/s end of section	N	Top of slope	Fill material placed at top of the slope in the headscarp area. Note the retrogression in the subvertical headscarp area.
field_088	~1/3 from u/s end of section	NW	Top of slope	Looking u/s at fill. Note recent sloughing in headscarp area. Headscarp is subvertical and 1.0 -1.2 m in height.
field_089	~ middle of section	E	River edge	Looking d/s along river edge. Note multiple scarp features along the slope face and the oversteepened headscarp area. Note the river eddy on the right hand side.
field_090	~ middle of section	N	Top of slope	Looking upslope at headscarp areas. Note the headscarp area is about 2 m high and contains fill that is well drained.
field_091	~ middle of section	W	Middle of slope	Looking u/s along upper and midslope failure scarps. The topography was found to undulate.
field_438	~100 m from d/s end of section	NE	Middle of slope	Looking d/s to start of section.
field_439	~80 m from d/s end of section	SW	Middle of slope	Looking u/s along bank face
field_440	~80 m from d/s end of section	NW	Middle of slope	Looking upslope at slump block.
field_441	~100 m from d/s end of section	SW	Middle of slope	Looking u/s at sloughing along riverbank face
field_442	~130 m from d/s end of section	NW	Middle of slope	Looking upslope at sloughing on bank face.
field_443	~200 m from d/s end of section	NW	Middle of slope	Looking upslope at bank face. Note the microterraces. Bank face is subvertical and 1.5 m in height.
field_444	~240 m from d/s end of section	SW	Lower slope	Looking u/s along river edge. Edge erosion is approx. 1.5 m.
field_445	~200 m from d/s end of section	NW	Middle of slope	Looking upslope at slump block on mid to upper slope.
field_446	~240 m from d/s end of section	SW	Middle of slope	Start of wooded section. Note the accumulation of overbank deposits, hummocky topography, leaning trees and ancient slump blocks.

field_447	~240 m from d/s end of section	SW	Middle of slope	Start of wooded section. Note the accumulation of overbank deposits, hummocky topography, leaning trees and ancient slump blocks. Looking d/s at river edge erosion. Looking d/s at slump block topography and leaning trees.
field_448	U/s end of section	NE	Lower slope	
field_449	U/s end of section	NE	Middle of slope	
Date	08-Jun-07			
Site description	Annabella to May			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_092	~ 1/3 from d/s end of section	E	Middle of lower bench	Looking d/s along hummocky terrain along lower bank. Note the woody debris and leaning trees. The site is poorly drained.
field_093	~ 1/3 from d/s end of section	W	Middle of lower bench	Looking u/s at terrain along lower bank. Note the hummocky terrain, leaning trees and thick accumulation of overbank deposits.
field_094	~ 100 m from u/s end of section	E	Middle of lower bench	Looking d/s along lower bench. Note hummocky terrain, tilted trees, poor drainage and accumulation of woody debris.
field_095	~ 100 m from u/s end of section	SW	Middle of lower bench	Looking downslope to Red River along a very poorly drained area. Note that the area is slightly depressed compared to its surrounding topography.
Date	08-Jun-07			
Site description	Norquay Park			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_096	u/s end of section	NW	Middle of upper bench	Looking d/s along middle section. Note hummocky topography and upper headscarp on the left.
field_097	u/s end of section	NW	Top of lower bank	Looking d/s at scarp feature on lower bank. Note overbank deposits, dessication cracking and saturated soil on scarp face. Willow trees have been planted on the lower slope.
field_098	u/s end of section	W	Middle of lower bank	Scarp feature about 0.6 m high. Note microterraces below scarp feature.
field_099	~ 1/4 from u/s end of section	NW	Bottom of upper bench	Looking upslope to the upper headscarp area.
field_100	~75 m from u/s end of section	NW	Middle of lower bank	Looking downstream along lower bank. Note the thick overbank deposits, tilting trees and hummocky terrain.
field_101	~120 m from u/s end of section	S	Middle of upper bench on	Looking upslope at poorly drained depression on upper bench. Note the tilted tree and scarp feature below the tree.
field_102	~120 m from u/s end of section	N	Middle of upper bench on	Looking downstream from middle of upper bench. Note hummocky topography.
field_103	~ middle of section	NW	Middle of slope	Looking downstream at slump block topography. Note the hummocky topography and the scarp features in the foreground.
field_104	~200 m from u/s end of section	SE	Middle of upper bench	Looking upstream. Note hummocky topography and tilted trees.
field_105	~225 m from u/s end of section	SE	Lower bank	Looking u/s along slump block topography. Tension cracks were noted in this area. Slump blocks range in height from 0.5 - 1.5 m.
field_106	~ 1/4 from d/s end of section	SE	Middle of upper slope	Looking u/s along midslope. Note slump topography and potentially regraded section.
field_107	at d/s end of section	W	Top of lower bank	Tension crack forming into a scarp. The crack is about 90 cm deep and about 30 cm wide.
field_108	at d/s end of section	NW	Lower bank	Looking downstream at scarp feature that is 60 cm high. Note the ponded water and tilted trees. The scarp is about 20 - 25 m long.
Date	08-Jun-07			
Site description	Burrows to Pritchard			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_109	u/s end of section	W	Lower portion of graded bar	Looking upslope at minor scarps on regraded slope. Tension cracks were noted on the re-graded slope. The slope is composed of fill material and once led to a boat docking facility.
field_110	~ middle of site, just d/s of boat launch	SE	Lower bank	Looking upstream at fan-shaped section of traverse. Backwater eddies noted in the vicinity. Note the thick overbank deposits that are poorly drained.
field_111	d/s end of section	S	Middle of lower bench	Looking upstream along lower bench. Note the hummocky topography, leaning trees and thick overbank deposits. The soil is poorly drained and there is approximately 1-2 m of erosion at toe of slope.
Date	08-Jun-07			
Site description	St. John's Park			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_112	d/s end of section	SW	River edge	Looking u/s towards the Redwood Bridge. Note the microterraces and thick overbank deposits. Riprap is submerged due to high water levels.
field_113	d/s end of section	NE	River edge	Looking d/s. Note overbank deposits and submerged riprap. Lower slope is fairly drained.
field_114	~1/3 from d/s end of section	NW	Middle of slope	Looking upslope at retaining wall. The retaining wall appears to be leaning forward. Noted scarp feature 1 m above the retaining wall that extends for 10-15 m.
field_115	~ middle of section	NW	Middle of slope	Looking upslope at scarp feature on path at end of retaining wall. The scarp feature extends for about 10 m and is about 0.3 m deep.
field_116	~ middle of section	W	Bottom of slope	Looking upstream. Note riprap and thick overbank deposits. Tension cracks and scarp features are prevalent on the lower slopes.
field_117	~ middle of section	SW	Middle of slope	Looking u/s at failure scarp in middle of the slope. Note the geotextile in the foreground. Below scarp feature, soil is poorly drained.

field_118	~ 60 m from u/s end of section	SW	Middle of slope	Looking u/s at straw-filled geotexture at base of scarp. Note that some geotexture has moved downslope and is not functioning properly. Some recent sloughing was noted.
field_119	~ u/s end of section	NE	Middle of slope	Looking d/s at failure scarp. Note saturated soil at base of slope and scarp is about 0.3 m high.
field_120	~ u/s end of section	S	Base of slope	Looking u/s and downslope along lower slope. Note overbank deposits, dessication cracks and ponded water.
field_121	u/s end of section	NW	Base of slope	Looking upslope at multiple failure features that exists from the end of the geotextiled middle slope to the u/s end of the section.
Date	08-Jun-07			
Site description	Bunn's Creek			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_122	~ 1/3 from d/s end of section	NE	Top of slope	Looking d/s along the regraded slope. Note the riprap, geotextile and leaning trees on the private property.
field_123	~ 1/3 from d/s end of section	SW	Top of slope	Looking u/s along the regraded slope covered with riprap and geotextile. Note the SI in the background.
field_124	u/s end of section on north bank of creek	S	Top of slope	Confluence of Bunn's Creek and Red River. Note rip rap and geotextiles placed along the city property side of Bunn's Creek.
Date	11-Jun-07			
Site description	St. Vital Park - D/s of apex			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_125	d/s end of section	W	In swale	Looking u/s along ridge and swale topography. Note the ponded water in the swale.
field_126	near d/s end of section - not sure of loc	SW	Middle of swale	Looking upslope at slump block topography. Ponded water was noted in the vicinity. Note the extensive grasses.
field_127	~110 m from d/s end of section	W	Middle of slope	Looking upstream along slope. Note ridge and swale topography and leaning trees. Soil is saturated and upper headscarp is about 2 m in height.
field_128	~120 m from d/s end of section	E	Middle of slope	Looking downstream. Note scarp feature, tilted trees, overbank deposits and dessication cracks. Soil is fairly drained.
field_129	~120 m from d/s end of section	S	Middle of slope	Looking upslope at recent sloughing in the headscarp area. Headscarp is about 0.4 m high.
field_130	~250 m from d/s end of section	NE	Top of slope at river edge	Looking downslope at recent sloughing at toe of bank into river.
field_131	~300 m from d/s end of section	SE	Middle of slope	Looking upslope at scarp features along the upper slope. Headscarp is about 2 m in height.
field_132	~300 m from d/s end of section	NW	Middle of slope	Looking downslope at tension cracking above the river edge. Sloughing of the lower slope into the river will soon occur.
field_133	~300 m from d/s end of section	SW	River edge	Looking upstream at extensive tension cracking that has formed in a slump block. This section will probably slough into the river if erosion at toe of the slope continues.
Date	11-Jun-07			
Site description	St. Vital Park - U/s of apex			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_134	d/s end of section	SW	Top of slope	Looking u/s at scarp feature along top of slope that is extending into walking path. The scarp is about .6 m high. Note tilted trees on the right.
field_135	d/s end of section	NE	River edge	Looking d/s along erosion controlled bank that is sloughing into the river. The bank is about 2.0 m high.
field_136	~ 100 -150 m from d/s end of section	SW	Top of bank	Looking u/s at erosion controlled banks that are about 4 m high. Note the sloughing in the headscarp area.
field_137	~ 200 m from d/s end of section	W	~ 3 m from top of bank	Recent retrogression upslope of the headscarp area.
field_138	~ 200 m from d/s end of section	N	Top of bank	Looking at "Caution - Unstable Riverbank" sign.
field_139	~ 200 m from d/s end of section	S	Top of bank	Looking d/s along steep face of bank. Note pipe protruding from bank and sloughing at the top of the bank.
field_140	~300 m from d/s end of section	S	Top of bank	Looking u/s along top of bank at recent scarp feature across walking path that has formed due to bank sloughing. Note tilted trees. Recent movement. New headscarp, about 0.3-1.4 m in height has formed about 5 m o/s from subvertical face. Headscarp is about 20 m in length.
field_141	~300 m from d/s end of section	N	Base of headscarp	Looking u/s at scarp feature at top of the slope. Scarp feature is subvertical and about 0.5-1.5 m in height.
field_142	~300 m from d/s end of section	S	Middle of slope	Looking d/s along subvertical scarp face. Note the light coloured silty layer in the subvertical scarp face.
field_143	~300 m from d/s end of section - ~ 10 m S	S	Base of headscarp	Note the contact between the silt and clay layers. Tilted trees were observed at the top of the slope.
field_144	~300 m from d/s end of section ~ 30 m NE	NE	Base of headscarp	Headscarp is about 2-4 m in height.
Date	11-Jun-07			
Site description	St. Vital Park - Transition section			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_145	u/s end of section	S	Top of bank	Looking u/s along scarp at the top of the slope. Note the sloughing in the headscarp area, tilted trees and dense vegetation.



field_146	~ 100 m from d/s end of section	NW	Top of bank	Looking d/s along slope along failure controlled section. Note the slump block topography and scarp features. Instrumentation has been installed in the foreground. Soil on slope is not as well drained as headscarp area.
field_147	~ 100 m from d/s end of section	NW	Base of upper slope	Looking d/s along headscarp area. Note the retrogression of the headscarp. Headscarp is about 3 to 5 m in height and fairly well drained.
field_148	~ 100 m from d/s end of section	SE	Base of headscarp	Looking d/s along the headscarp. Note the retrogression of the headscarp and hummocky terrain. Note the dense vegetation along the middle of the slope.
field_149	~ 200 m from d/s end of section	NW	Top of bank	Looking d/s along the middle of the section. Note the slump block topography and very extensive vegetation
field_150	~ 50 m from d/s end of section	SE	Top of bank	Looking u/s along top of the bank. Note the slump block topography and dense vegetation that masks the topography.
Date	11-Jun-07			
Site description	St. Vital Park /Cemetery			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_151	~ 15 m from d/s end of section	S	Top of bank	Looking downslope over headscarp area. Headscarp is about 0.5 m in height.
field_152	~ 70 m from d/s end of section	SE	Middle of lower bench	Looking u/s along lower bench. Note hummocky topography, leaning trees, overbank deposits and dessication cracking. Headscarp is about 1.5 m in height.
field_153	~ 70 m from d/s end of section	SE	Middle slope	Looking u/s along middle bench. Note scarp features, overbank deposits, dessication cracks and hummocky topography.
field_154	~125 m from d/s end of section	NW	Top of lower slope	Looking d/s along slope on lower bench. Note tilted trees and overbank deposits that are poor to fairly drained. Headscarp is about 3-5 m in height.
field_155	~125 m from d/s end of section	SE	Top of lower slope	Looking upslope. Note the hummocky terrain, leaning trees and some recent retrogression of the headscarp area.
field_156	~230 m from d/s end of section	SE	Top of bank	Looking u/s along the headscarp at top of bank. Note the recent slump block topography and tilted trees. Drainage poor to fair in slump block areas. Multiple scarp features (1.0-1.5 m in height) observed.
field_157	u/s end of section	NW	Top of bank	Looking d/s along headscarp at top of bank. Note the leaning trees and extensive vegetation. Multiple scarp features on mid to lower sections resulting in hummocky topography.
field_397	D/s end of section	NW	Top of bank	Looking d/s at tension cracks forming behind gabion wall.
field_398	D/s end of section	SE	Top of bank	Looking u/s in the head scarp area. Note the leaning trees.
field_399	D/s end of section	SE	Top of bank	Looking u/s at headscarp area. Note the slumping and multiple failure terraces.
field_400	~ 60 m from d/s end of section	SE	Top of bank	Looking u/s along headscarp region. Note the slumped headscarp and leaning trees
field_401	~ 100 m from d/s end of section	NW	Top of bank	Looking d/s along top of the riverbank.
field_402	~ 130 m from d/s end of section	SE	Mid slope	Looking u/s at recent slumping in headscarp region. Slumping extends for 20 m and is displaced 0.5 to 1.25 m.
field_403	~ 190 m from d/s end of section	NE	Mid slope	Looking upslope at slumping in headscarp region. Approx. 1.0 to 1.5 m vertical displacement.
field_404	~ 240 m from d/s end of section	NW	Mid to upper slope	Looking d/s at slump block in upper slope.
field_405	~ 200 m from d/s end of section	NW	Lower slope	Looking d/s along river edge.
field_406	~ 150 m from d/s end of section	NW	Lower slope	Looking d/s along river edge. River erosion approx. 1.0 m in height.
field_407	~ 90 m from d/s end of section	NE	Mid slope	Looking upslope in headscarp region. Note the microterraces, steep headscarp and recent retrogression.
field_408	D/s end of section	NW	Mid to upper slope	Looking d/s at gabion wall in transition section.
Date	11-Jun-07			
Site description	Minnetonka			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_158	~ 30 m from d/s end of section	E	Top of bank	Looking u/s over headscarp area and multiple scarp features. Note the hummocky terrain and failure terraces on the mid to lower slope. Sloughing was noted in the headscarp area.
field_159	~ 30 m from d/s end of section	W	Top of slope	Looking upslope at headscarp area at Failure #3. Headscarp is about 2 m in height and seepage noted 2 m below ground surface.
field_160	~ 30 m from d/s end of section	NW	Middle of slope	Looking upslope at multiple scarp features that form failure terraces at Failure #3. Lower slope is very poorly drained.
field_161	~ 90 m from d/s end of section	E	Middle of slope	Looking u/s at retrogressing headscarp. Note the contact between the lighter silt and clay material at 1.8 m below ground surface. Glaciolacustrine contact is 4.0 m below ground surface. Some seepage was noted at base of headscarp.
field_162	u/s end of section	SW	Middle of slope	Looking d/s along slope. Note the slump block topography and retrogression of headscarp area.
field_391	d/s end of section		Top of bank	Looking u/s along Slump #3.
field_392	~ 60 m from d/s end of section		Top of bank	Looking d/s along Slump #2 and Slump #3.
field_393	~ 60 m from d/s end of section		Top of bank	Looking d/s along Slump #2 and Slump #3.
field_394	~ 60 m from d/s end of section		Top of bank	Looking u/s along subvertical headscarp region of Slump #1. Note the lack of vegetation in headscarp area.
field_395	U/ end of section		Top of bank	Looking d/s along Slump #1. Note the rip rap at the base of the slope and the small scarp features.
field_396	U/ end of section		Top of bank	Looking d/s along Slump #1. Note the large accumulation of overbank deposits on lower to mid slope from summer flooding.

Date	11-Jun-07			
Site description	River to Rivergate			
Photo Number	Photo Location	Direction of Photo/Location on slope		Notes
field_163	~ 50 m from d/s end of section	E	Middle of slope	Looking u/s at lower scarp feature that extends about 50 m and appears to be recent. Note the tilted trees, thick overbank deposits and dessication cracks. The overbanks deposits are very poorly drained on the lower slope. Some recent tension cracks were noted.
field_164	~ 50 m from d/s end of section	NE	Middle of slope	Looking upslope. Note hummocky topography, tilted trees, thick overbank deposits and dessication cracks. The headscarp is in the background and is about 2-3 m in height.
field_165	~ 75 m from d/s end of section	E	Middle of slope	Looking u/s along the hummocky terrain with ponded water. Note tilted trees, thick overbank deposits and dessication cracks. A scarp feature about 20 m long was noted above the ponded water.
field_166	~ 120 m from d/s end of section	SE	Lower slope	Looking u/s along lower slope. Note the hummocky topography, tilted trees and overbank deposits. Both upper and lower slopes are poorly drained. The multiple scarp features do not appear recent.
field_167	u/s end of section	NW	Middle of lower slope	Looking d/s along lower slope. Note the leaning trees and poorly drained thick overbank deposits that are hummocky.
field_168	u/s end of section	NE	Base of headscarp	Looking upslope to the headscarp area. Headscarp is about 4 m in height and is poorly drained. Note the tilted trees.
Date	20-Jun-07			
Site description	Darveau to Hebert			
Photo Number	Photo Location	Direction of Photo/Location on slope		Notes
field_199	~ 20 m from d/s end	S	Middle of slope	Looking u/s at top of slope. Note headscarp overgrown with grass. The headscarp is about 0.65-2.0 m in height.
field_200	d/s end of section	E	Middle of slope	Looking downslope. Note extensive vegetation and high water levels. It is about 5 m from the top of the bank to the river.
field_201	~ 10 m from d/s end of section	NE	Middle of slope	Looking downstream at scarp feature, scarp feature is about 0.3 m in height.
field_202	~ 40 m from d/s end of section	N	Middle of slope	Looking d/s. Note leaning trees.
field_203	~ 40 m from d/s end of section	SW	Top of slope at river edge	Looking u/s along top of river slope. Note the leaning trees and poorly drained overbank deposits.
field_204	~ 55 m from d/s end of section	N	River edge	Looking d/s along river edge. Note overbank deposits, leaning trees and high water levels.
field_205	~ 65 m from d/s end of section	NW	Middle of lower slope	Looking d/s along scarp feature. The scarp feature is about 1 m in height. Note the thick overbank deposits, dessication cracking and poor drainage at the base of the scarp.
field_206	~ 100 m from d/s end of section	E	Base of headscarp	Recent sloughing of middle scarp.
field_207	~ 100 m from d/s end of section	N	Middle of slope	Looking d/s. Note the 2 m high headscarp on right and dense vegetation on the slope face. Headscarp is poor to fairly drained.
field_208	~ 100 m from d/s end of section	SE	Base of headscarp	Looking u/s along headscarp. Note the hummocky and slump block topography.
field_209	~ 130 m from d/s end of section	SE	Base of headscarp	Looking u/s along the headscarp. Headscarp is about 2-3 m in height and fairly drained.
field_210	~ 140 m from d/s end of section	NE	Base of headscarp	Looking upslope. Slumping in headscarp area. Upper headscarp is poorly drained.
field_211	~ 105 m from d/s end of section	NW	Base of headscarp	Looking d/s along headscarp and hummocky topography. Headscarp appears to be retrogressing upslope.
Date	20-Jun-07			
Site description	Provencher to LaVerendrye			
Photo Number	Photo Location	Direction of Photo/Location on slope		Notes
field_212	d/s end of section	SW	Middle of slope	Looking at sinkhole that formed. Note lighter silt lenses.
field_213	d/s end of section	SW	Top of slope	Looking downslope at d/s end of section towards the sinkhole. Note the barricades around the sinkhole.
field_214	~ 20 m from d/s end of section	SE	Middle of lower slope	Looking u/s along lower bank. Note overbank deposits, dessication cracks and leaning trees. Overbank deposits are fairly drained.
field_215	~ 50 m from d/s end of section	NW	Middle of lower slope	Looking d/s along lower bank. Note overbank deposits, dessication cracks and leaning trees.
field_216	~ 140 m from d/s end of section	S	Middle of slope	Approximately 0.5 m of river edge erosion was noted.
field_217	~ 140 m from d/s end of section	N	Middle of slope	Looking u/s along upper slope.
field_218	~ 160 m from d/s end of section	NW	Middle of slope	Looking d/s along upper slope. Note the dense vegetation. Scarp is about 0.3-0.5 m in height.
field_219	~ 160 m from d/s end of section	NW	Middle of slope	Looking d/s along upper slope. Note dense vegetation and multiple scarp features marked by the vegetation.
field_220	~ 140 m from d/s end of section	SE	Middle of slope	Looking d/s along upper slope. Note dense vegetation.
field_221	~ 195 m from d/s end of section	NW	Top of slope	Looking u/s along top of bank. Note the headscarp increases in gradient and height downstream.
field_222	~ 195 m from d/s end of section	SE	Top of slope	Looking u/s along top of bank. Note dense vegetation and leaning culvert.
field_223	~ 65 m from d/s end of section	NW	Middle of upper slope	Looking d/s at scarp feature along grass. Feature is about 30 to 45 cm high and extends about 60 m. Scarp feature is fairly to poorly drained.
field_224	~ 50 m from d/s end of section	SE	Middle of upper slope	Looking u/s at scarp feature. Note tilted trees. Movement appears to be fairly recent.
Date	20/06/2007 & 05/07/2007			
Site description	Lyndale Drive			

Photo Number	Photo Location	Direction of Photo: Location on slope		Notes
field_225	~ 25 m from u/s end of section	W	Top of slope	Looking d/s along top of bank.
field_226	~ 60 m from u/s end of section	W	Middle of slope	Looking d/s at base of headscarp. Slumping was noted in headscarp area. Note the hummocky topography.
field_227	~ 70 m from u/s end of section	NE	Middle of slope	Looking u/s at 1 m headscarp. Note subvertical face and well drained slope. Headscarp retrogressing upslope.
field_228	~ 70 m from u/s end of section	N	Middle of slope	Looking at slumping in headscarp area.
field_229	~ 100 m from u/s end of section	E	Middle of slope	Looking u/s along middle of slope. Note dense vegetation in hummocky topography.
field_230	~ 100 m from u/s end of section	W	Middle of slope	Looking d/s along middle of slope. Note past movement.
field_231	~ 130 m from u/s end of section	E	Top of slope	Looking u/s along top of slope. Note subvertical, well-drained headscarp area. Headscarp is 1 - 2 m in height.
field_232	~ 15 m from u/s end of section	NE	Top of slope	Looking u/s at u/s end of section. Note leaning trees.
field_233	~ 25 m from u/s end of section	W	Top of slope	Looking d/s at top of bank. Note the hummocky topography.
field_234	~ 70 m from u/s end of section	W	Top of slope	Looking d/s at top of bank. Note subvertical headscarp area.
field_235	~ 70 m from u/s end of section	SE	Top of slope	Looking u/s at top of bank. Note slump block topography.
field_236	~ 80 m from u/s end of section	W	Top of slope	Looking d/s at top of bank. Note active sloughing and retrogression upslope in headscarp area.
field_237	~ 100 m from u/s end of section	E	Top of slope	Looking u/s along top of slope. Note hummocky topography and dense vegetation.
field_294	~ 670 m from u/s end of section	SW	Top of slope	Looking u/s at slope. Note overbank deposits, high water levels, dessication cracks and leaning trees.
field_295	~ 620 m from u/s end of section	S	Top of slope	Deleted because fuzzy.
field_296	~ 385 m from u/s end of section	SE	Top of slope	Looking u/s at undercutting at top of slope and recent sloughing. Bank face approx. 2 m high.
field_297	~ 375 m from u/s end of section	NW	Top of slope	Looking d/s at recent sloughing and undercutting in the headscarp area.
field_298	~ 210 m from u/s end of section	SE	Top of slope	Looking u/s at sloughing in headscarp area and undercutting. Some sloughing is recent.
field_299	~ 140 m from u/s end of section	E	Top of slope	Looking u/s at sloughing and slumping in transition section.
field_415	~ 130 m from d/s end of section	S	Top of slope	Looking u/s along river edge at erosion.
field_416	~ 200 m from d/s end of section	S	Top of slope	Looking u/s along river edge. Note the leaning trees.
field_417	~ 540 m from d/s end of section	SE	Top of slope	Looking u/s along top of bank. Note the subvertical bank face and undercutting at top of the slope.
field_418	~ 790 m from d/s end of section	SE	Top of slope	Looking u/s along top of bank.
field_419	~ 800 m from d/s end of section	SE	Top of slope	Looking u/s at failure controlled section. Note recent retrogression in headscarp area and slump block topography in headscarp area.
field_420	~ 870 m from d/s end of section	SE	Top of slope	Recent retrogression in the headscarp area.
field_421	~ 870 m from d/s end of section	NW	Top of slope	Looking d/s along slump block topography.
field_422	~ 870 m from d/s end of section	SE	Top of slope	Looking u/s along failure controlled section.
field_423	~ 700 m from d/s end of section	SE	Top of slope	Looking u/s along failure controlled section. Note the multiple benches.
Date 04-Jul-07				
Site description Churchill Park Drive - Eccles to Osborne				
Photo Number	Photo Location	Direction of Photo: Location on slope		Notes
field_248	~ 120 m from d/s end of section	SW	Top of slope	Looking u/s along river edge. Note high water levels, tilted trees and dessication cracks in overbank deposits. Approx 30 cm of exposed bank face.
field_249	~ 120 m from d/s end of section	NE	Top of slope	Looking d/s at poorly drained section. Note high water levels, tilted trees and thick overbank deposits.
field_250	~ 915 m from d/s end of section (these 1	E	Middle of slope	Looking d/s along river edge. Note hummocky topography, leaning trees and overbank deposits.
field_251	~ 915 m from d/s end of section	NE	Middle of slope	Looking d/s along path. Note hummocky topography and leaning trees.
field_252	~ 915 m from d/s end of section	SW	Middle of slope	Looking u/s along path. Note hummocky topography, leaning trees and overbank deposits.
Date 04-Jul-07				
Site description Churchill Park Drive - Osborne to Montague				
Photo Number	Photo Location	Direction of Photo: Location on slope		Notes
field_253	~ 20 m from d/s end of section	W	Top of bank	Looking u/s along top of bank. Note dense vegetation and leaning trees. 0.5 m of exposed riverbank and willows planted at top of slope.
field_254	~ 150 m from d/s end of section	SW	Top of bank	Looking u/s along path. Note dense vegetation and leaning trees.
field_255	~ 200 m from d/s end of section	NE	Top of bank	Looking d/s along path. Note hummocky topography, leaning trees and road acting as a primary dyking system.
field_256	~ 200 m from d/s end of section	NW	Top of bank	Looking u/s. Note leaning trees and road on primary dike system.
field_257	~ 350 m from d/s end of section	W	Top of bank	Looking u/s. Note gentle slope from path to river, dense vegetation and leaning trees.
field_258	~ 515 m from d/s end of section	E	Top of bank	Looking d/s at deep-seated failure. Note slump block and eroded walking path. Some recent movement noted. Barricades from 2004 in the river.
field_350	~ 50 m from d/s end of section		Lower bank	Looking d/s along river. Note the slump block topography and multiple scarp features.
field_351	U/s end of section		Lower bank	Looking d/s at small slump area.
field_352	~ 75 m from d/s end of section		Top of bank	Looking d/s along top of riverbank face. Note the slump block topography and recent retrogression in the upslope and headscarp area.
field_353	~ 100 m from d/s end of section		Top of bank	Looking u/s at undercutting and slumping at top of slope. Note scarp features on lower to mid slope.

field_354	~ 220 m from d/s end of section		Middle of slope	Looking d/s along mid slope. Note the subvertical scarp feature mid slope and steep slope with undercutting and multiple terraces on lower to mid slope.
field_355	~ 250 m from d/s end of section		Lower bank	Looking u/s at erosion along river edge (approx. 2m).
field_356	~ 400 m from d/s end of section		Mid to lower slope	Scarp feature formed into slump block 5 m offset from river level.
field_357	~ 425 m from d/s end of section		Lower slope.	Looking u/s along river edge. Note the toe erosion.
field_358	~ 450 m from d/s end of section		Mid to lower slope	Looking u/s at failure area.
field_359	~ 400 m from d/s end of section		Lower slope	Looking d/s. Note the slumping topography and microterraces.
field_360	Montague Street		Top of bank	Tree perched precariously at top of slope.
Date	04-Jul-07			
Site description	Crescent park			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_259	~ 570 m from u/s end of section	S	Top of bank	Looking u/s along top of bank. Note retrogression of headscarp, hummocky topography and leaning trees.
field_260	~ 465 m from u/s end of section	SW	Top of bank	Looking u/s. Note hummocky topography, overbank deposits and leaning trees.
field_261	~ 465 m from u/s end of section	NE	Top of bank	Looking d/s along river edge. Note hummocky topography, overbank deposits and leaning trees.
field_262	~ 450 m from u/s end of section	NW	Top of bank	Looking u/s at recent sloughing at top of bank. Note toe erosion. Sloughing is about 0.5 m high.
field_263	~ 265 m from u/s end of section	SW	Top of bank	Looking u/s along top of high erosion controlled bank. Note retrogression of headscarp. Riverbank is 3 to 4 m high.
field_264	~ 225 m from u/s end of section	SE	Top of bank	Looking d/s along top of bank at sloughing in the headscarp area.
field_265	~ 170 m from u/s end of section	E	Top of bank	Looking d/s at recent movement on bank. Note exposed concrete block.
field_266	~ 170 m from u/s end of section	NW	Top of bank	Looking d/s at tension crack at top of slope. Tension crack is approx. 0.3 m deep.
field_267	~ 115 m from u/s end of section	NW	Top of bank	Looking u/s at recent sloughing at top of bank. Note subvertical face.
field_268	~ 100 m from u/s end of section	NW	Top of bank	Looking u/s at split tree due to sloughing. The scarp feature is 2 m in height.
field_269	~ 50 m from u/s end of section	NW	Top of bank	Looking u/s at retrogression of headscarp. Note leaning trees. Headscarp is approx. 1.5 to 2 m in height and subvertical.
field_270	~ 50 m from u/s end of section	SE	Top of bank	Looking d/s at retrogression of headscarp. Note leaning trees and dense vegetation.
field_271	~ 40 m from u/s end of section	NW	Top of bank	Looking u/s at recent sloughing along bank. Subvertical headscarp is approx. 2 to 3 m in height and slough area is approx. 10 m long.
field_340	d/s end of section	SE	Top of bank	Looking u/s at small failure on bank face.
field_341	~ 50 m from u/s end of section	SE	Top of bank	Looking u/s along riverbank face.
field_342	~ 200 m from u/s end of section	S	Top of bank	Looking downslope at sub-vertical riverbank face and failure terrace mid slope.
field_343	~ 250 m from u/s end of section	W	Top of bank	Looking u/s along top of bank. Note the retrogression.
field_344	~ 250 m from u/s end of section	NE	Top of bank	Looking d/s along top of bank. Note the undercutting and subvertical bank face.
field_345	~ 400 m from u/s end of section	W	Top of bank	Looking u/s at subvertical bank face, with exposed roots, undercutting and tree that sloughed off bank.
field_346	~ 450 m from u/s end of section	W	Top of bank	Looking u/s at slump from top of bank.
field_347	u/s end of section	W	Top of bank	Looking u/s at split tree and recent retrogression at top of the slope.
field_348	u/s end of section	W	Top of bank	Looking u/s at slump area at u/s end of section.
field_349	u/s end of section	E	Top of bank	Looking d/s at split tree.
Date	04-Jul-07			
Site description	Maple Grove Park - D/s of apex			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_272	~ 250 m from u/s end of section	SE	Middle of slope	Looking d/s at flooded bank. Note hummocky topography, overbank deposits and leaning trees.
Date	04-Jul-07			
Site description	Maple Grove Park - u/s of apex			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_273	~ 55 m from d/s end of section	NE	Top of bank	Looking d/s at recent sloughing on subvertical headscarp. Note undercutting of slope. Riverbank approx. 1 to 2 m in height and subvertical.
field_274	~ 55 m from d/s end of section	SW	Top of bank	Looking u/s at sloughing in headscarp. Note gradual retrogression of headscarp and overbank deposits.
field_275	~ 75 m from d/s end of section	SW	Top of bank	Tension cracking observed at top of slope and willows were also planted.
field_276	~ 140 m from d/s end of section	SW	Top of bank	Looking u/s at recent sloughing from bank. Note subvertical face and undercutting of slope. Riverbank approx. 3 to 4 m in height and subvertical.
field_277	~ 285 m from d/s end of section	SW	Top of bank	Looking u/s at recent sloughing from bank and tension cracks along bank. Tension cracking turns into scarp feature u/s that is 1.0 to 1.7 m deep, o/s from the river by 3 to 5 m. Note the leaning trees.
field_294	d/s end of section	SW	Top of bank	Looking u/s at retrogression and undercutting of headscarp. Note sloughing along bank and leaning trees.
field_295	~ 20 m from d/s end of section	SW	Top of bank	Looking d/s at undercutting of riverbank failure.
field_296	~ 50 m from d/s end of section	SW	Top of bank	Looking u/s along top of bank. Note the fallen tree.
field_297	~ 60 m from d/s end of section	SW	Top of bank	Looking u/s at recent retrogression in headscarp area.
field_298	~ 140 m from d/s end of section	SW	Top of bank	Looking u/s at oversteepened riverbank face.

field_299	~ 200 m from d/s end of section	SW	Top of bank	Looking u/s along scarp feature at top of the bank. Scarp feature is 0.7 -1.0 m in height and some movement appears to be recent.
field_300	~ 200 m from d/s end of section	SW	Top of bank	Looking u/s along riverbank face at retrogression.
Date	04-Jul-07			
Site description	Maple Grove Park - D/s of Perimeter			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_279	~ 100 m from u/s end of section	NW	Top of bank	Looking d/s along top of bank at two scarp features. Note leaning trees and overbank deposits. Headscarp is approx. 45 degrees and 1 m high while scarp is approx. 0.5 m high. Ground hummocky on lower slope.
Date	04-Jul-07			
Site description	King's Park - Erosion			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_280	~ 215 m from u/s end of section	NE	Top of bank	Looking d/s at water among trees. Note hummocky terrain, leaning trees and overbank deposits.
field_281	~ 215 m from u/s end of section	SW	Top of bank	Looking u/s at water among trees. Note hummocky terrain, leaning trees and overbank deposits.
field_282	~ 300 m from u/s end of section	NE	Top of bank	Looking d/s at leaning trees along bank. Note thick overbank deposits that are poorly drained.
field_332	~ 50 m from u/s end of section	NE	Lower slope	Looking d/s along river edge. Note the failure terraces masked by the vegetation.
field_333	~ 50 m from u/s end of section	NW	Lower slope	Looking u/s along river edge.
field_334	~ 100 m from u/s end of section	NE	Lower slope	Looking d/s at river edge erosion. (approx. 0.3 m)
field_335	~ 120 m from u/s end of section	NW	Mid to lower slope.	Looking d/s at scarp features on mid to lower bank at apex of bend.
field_336	~ 150 m from u/s end of section	NW	Mid to lower slope	Looking d/s at scarp features on mid to lower bank at apex of bend.
field_337	~ 250 m from u/s end of section	NW	Middle slope	Looking d/s at failure along the mid slope at the apex of the bend.
field_338	~ 300 m from u/s end of section	NW	Middle to upper slope	Looking at scarp features on mid to upper bank at apex of the bend.
field_339	~ 300 m from u/s end of section	NE	Middle slope.	Looking u/s from the end of the section. Note the scarp features and failure area mid slope.
Date	05-Jul-07			
Site description	End of Grace St.			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_283	~ 17 m from u/s end of section	E	Top of bank	Looking d/s along slope. Note retrogression of headscarp and tension cracks at top of the slope.
field_284	~ 25 m from u/s end of section	W	Top of bank	Looking u/s. Note retrogression of headscarp.
field_285	~ 40 m from u/s end of section	SW	End of Grace St.	Looking downslope. Note hydro pole stabilization wire at edge of bank. Note dense vegetation.
Date	05-Jul-07			
Site description	Messenger to St. Joseph			
Photo Number	Photo Location	Direction of Photo	Location on slope	Notes
field_286	~ 30 m d/s from d/s end of section	SW	Middle bench	Looking u/s at headscarp. Headscarp is about 3 - 4 m high. Note fill on scarp and leaning trees.
field_287	~ 20 m from d/s end of section	NE	Top of bank	Looking d/s along top of slope. Note high grasses.
field_288	~ 40 m from d/s end of section	SW	Top of bank	Looking u/s along top of slope. Some retrogression of headscarp.
field_289	~ 65 m from d/s end of section	NE	Top of bank	Looking d/s along top of slope. Some retrogression of headscarp.
field_290	~ 170 m from d/s end of section	E	Top of bank	Looking d/s at slumping on bank. Slump is approx. 30 m wide.
field_291	~ 170 m from d/s end of section	NE	Top of bank	Looking d/s at slumping on bank.
field_292	~ 195 m from d/s end of section	NW	Top of bank	Looking u/s at sloughing at top of bank. Slope may be as high as 3 m.
field_293	~ 245 m from d/s end of section	SW	Top of bank	Looking u/s at recent sloughing at top of bank. Note fill as base of slope. Riverbank is approx. 1 m high and note the retrogression in the headscarp area.

Date	27-May-08			
Site Description	Minnetonka			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_438	d/s end	NE	Top of Slope	Looking u/s along top of bank. Note retrogressing headscarp and scarp features. Fill dumped over headscarp area.
field_439	~55 m from d/s end	SW	Top of Slope	Looking d/s along top of bank. Note the failure scarps and hummocky terrain.
field_440	~25 m from d/s end	SW	Top of Slope	Looking d/s along top of bank. Note the retrogression in headscarp area and scarp features.
field_441	~55 m from u/s end	NE	Top of Slope	Looking u/s along Kendall's site. Note the re-graded slope with an erosion controlled blanket.
field_442	~30m from d/s end	NW	Lower Slope/Water Level	Looking up to top of bank from lower slope. Note the accumulation of overbank deposits on lower slope and hummocky terrain on the mid to upper slopes.
field_443	d/s end	N	Lower Slope	Looking u/s along the mid to lower slope. Note the failure terraces, scarp features, and hummocky terrain.
Date	27-May-08			
Site Description	Normand Park Drive			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_444		NE	Lower Slope/Water Level	Bones found along vertical face near water level.
field_445		SE	Lower Slope/Water Level	Looking u/s along river edge. River edge erosion is ~ 2 - 3 m.
field_446	~100 m from d/s end	SE	Lower Slope	Looking u/s along lower slope. Note the hummocky topography and leaning trees.
field_447	~150 m from d/s end	SW	Middle of Slope	Looking midslope at scarp feature that is ~0.3 m wide. Mid to lower slope has a large accumulation of overbank deposits.
field_448	~450-500 m from u/s end	NW	Lower Slope	Looking d/s along lower slope. Note the variable degree of river edge erosion and hummocky terrain mid slope.
Date	27-May-08			
Site Description	St. Mary's Rd at the Perimeter			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_449	u/s end	NE	Lower Slope	Looking d/s along the river edge. (River edge erosion ~ 0.5 m). Note the accumulation of woody debris and hummocky topography.
field_450	~30 m from u/s end	SW	Lower Slope/Water Level	Looking u/s along slope. Note the river edge erosion (~ 0.5 m) and hummocky topography with scarp features.
field_451	~100 m from u/s end	SW	Lower Slope	Looking u/s along river edge. Note the 0.5 m river edge erosion, hummocky topography, and leaning trees. Scarp features can be seen in the background.
field_452	~200 m from d/s end	NW	Lower Slope	Looking d/s along the river edge. Note the rip rap in the foreground with overbank deposits and hummocky topography with scarp features in the background.
Date	28-May-08			
Site Description	Annabella to Mordaunt			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_463	u/s end	E	Lower Slope/Water Level	Looking d/s along the river edge. Note the rip rap and accumulation of woody debris.
field_464	~55 m from u/s end	W	Lower Slope	Looking upslope to the mid bank region. Note the fallen tree and slumping in d/s end.
field_465	~55 m from u/s end	E	Lower Slope/Water Level	Looking d/s along the river edge. Note the exposed rootlets and low water level.
field_466	~195 m from u/s end (mid w E)		Lower Slope	Looking d/s along lower slope. Note the accumulation of overbank deposits and woody debris. Exposed bank appears well drained.
field_467	~195 m from u/s end (midw: E)		Middle of Slope	Looking upslope to top of bank. Note the fill on the bank face and the steep face.
field_468	~10 m from d/s end	W	Lower Slope	Looking u/s along the lower slope. Note the rip rap on the lower slope.
Date	28-May-08			
Site Description	Burrows to Pritchard			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_457	~5 m from d/s end	SE	Upper Slope	Looking u/s and at top of bank. Note the dumpster at top of bank in the head scarp region.
field_458	~10 m from d/s end	W	Middle of Slope	Looking d/s and up to top of bank. Note the steep headscarp area with garbage dumped over the edge.
field_459	d/s end	SE	Lower Slope/Water Level	Looking u/s along the river edge. Note the sinuous river edge and river edge erosion of ~0.5 m.
field_460	~35 m from d/s end	SE	Middle of Slope	Looking u/s along the middle of the slope. Note the ponding, tilted fence, scarp feature, and tilted trees.
field_461	~20 m from u/s end	NW	Lower Slope/Water Level	Looking d/s along the river edge. Note the leaning trees along the river edge.
field_462	~20 m from u/s end	SW	Middle of Slope	Looking upslope to top of bank from old boat launch area. Note the regraded slope and accumulation of woody debris.
Date	28-May-08			
Site Description	End of Grace St.			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_469	~10 m d/s from d/s end	W	Top of Slope	Looking u/s along top of bank. Note the subvertical bank (well drained) and undercutting in the headscarp area.
field_470	~10 m from u/s end	E	Top of Slope	Looking d/s to water level. Note the steep bank face with a tree growing on it.
field_471	d/s end	S	Top of Slope	Looking towards water level from top of bank. The bank face is subvertical and 3 - 4 m high.

Date	28-May-08			
Site Description	Messenger to St. Joseph			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_472	u/s end	NE	Lower Slope	Looking d/s along the river edge. Note the old posts and steep bank face.
field_473	~90 m from u/s end	NE	Lower Slope/Water Level	Looking d/s along the river edge. Note the exposed roots and steep bank face.
field_474	~65 m from u/s end	SW	Middle of Slope	Looking u/s and to top of the bank. Note the bank seepage and sloughing.
field_475	~135 m from u/s	SW	Lower Slope/Water Level	Looking u/s along the river edge. Note the fallen trees.
field_476	d/s end	SW	Lower Slope/Water Level	Looking u/s along the river edge. Note the microterracing and steep bank face. Bank is fair to poorly drained.
Date	28-May-08			
Site Description	Norquay Park			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_453	~15 m from d/s end	SE	Lower Slope/Water Level	Looking u/s along river edge. Note tilted tree, woody deposits near water level, and some scarp features on lower bank to end of photo.
field_454	~170 m from d/s end	SE	Lower Slope	Looking u/s along the lower slope. Note the river edge erosion (0.5 - 1.0 m) and tilted tree along the water.
field_455	~170 m from d/s end	SW	Lower Slope	Looking up to top of bank. Note slightly hummocky terrain.
field_456	~70 m from u/s end	SE	Middle of Slope	Looking u/s to top of the bank. Note the mid bank scarp feature.
Date	29-May-08			
Site Description	Canoe Club			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_497	~35 m from d/s end	NE	Lower Slope	Looking up to top of bank from mid bank. Note the hummocky topography, scarp features, and accumulation of woody debris.
field_498	~205 m from d/s end	SW	Middle of Slope	Looking down to water level. Note woody debris build up, willowy vegetation and small runoff stream. Runoff is likely from the golf course.
field_499	~235 m from d/s end	SE	Lower Slope/Water Level	Looking u/s along river edge. Note the riprap and willows.
field_500	~275 m from d/s end	SE	Middle of Slope	Looking u/s, but primarily at mid slope itself. Note ponding and presence of cat tails as the dominant vegetation.
field_501	~20 m from u/s end	NW	Lower Slope/Water Level	Looking d/s along river edge. The slope appears well drained. River edge erosion is ~2 m.
field_502	~40 m from u/s end	NW	Top of Slope	Looking d/s from top of bank. Note the recent retrogression in the headscarp area and hummocky topography.
field_503	~65 m from d/s end	SW	Top of Slope	Looking at recent retrogression at the top of the bank.
Date	29-May-08			
Site Description	Darveau to Hebert			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_477	~40 m from d/s end	SE	Lower Slope	Looking u/s along river edge. Note the microterracing and accumulation of garbage. Note the leaning trees mid slope.
field_478	~40 m from d/s end	NE	Lower Slope	Looking up to top of bank. Note woody debris, precarious trees, and scarp features on mid to upper slope. Note the oxidized bedrock.
field_479	~40 m from Bridge (d/s side) NW		Lower Slope/Water Level	Looking d/s along river edge at dumped rock.
field_480	~40 m from Bridge (d/s side) SE		Lower Slope/Water Level	Looking u/s along the river edge. Note the sinuous river edge.
field_481	~30 m from Bridge (u/s side) NW		Middle of Slope	Looking d/s from middle of the slope. Note the undercutting in the headscarp area and dumped material.
Date	29-May-08			
Site Description	Guay Park			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_493	~10 m from d/s end	SE	Lower Slope	Looking u/s along lower bank. Note microterracing along water level, woody debris, and vegetation. Slope is well drained.
field_494	~105 m from d/s end	NW	Lower Slope	Looking d/s. Note scarp features and hummocky topography.
field_495	u/s end	NW	Lower Slope/Water Level	Looking d/s along the river edge. Note the microterracing and hummocky topography.
field_496	~50 m from d/s end	SE	Top of Slope	Looking u/s along the top of the bank. Note the hummocky topography and leaning trees.
Date	29-May-08			
Site Description	Lyndale			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_487	u/s end	W	Lower Slope/ Water Level	Looking d/s in the failure controlled section along the river edge. Note microterracing at water level. Scarp feature on lower to mid slope.
field_488	~65 m from u/s end	W	Lower Slope	Looking d/s along the river edge. Note the recent slope movement.
field_489	~140 m from u/s end	W	Top of Slope	Looking d/s to the water level. Note the tree growing out of the riverbank face.
field_490	~95 m from d/s end	S	Upper Slope	Looking u/s along the river edge. Height of bank decreases d/s. Note the microterraces and exposed rootlets.

field_491	~510 m from d/s end	NW	Lower Slope/Water Level	Looking d/s along the bank face. Note the undercutting in the headscarp and the well drained subvertical bank face.
field_492	~275 m from u/s end	NE	Middle of Slope	Looking upslope to the headscarp region. Note the well drained, subvertical bank face with sparrow dens.
Date	29-May-08			
Site Description	Provencher to LaVerendrye			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_482	d/s end	SE	Lower Slope	Looking u/s along the river edge. River edge erosion is ~1.0 m. Note the accumulation of overbank deposits on the rip rap.
field_483	~75 m from d/s end	NW	Lower Slope/Water Level	Looking d/s along the river edge. River edge erosion is ~2 m. Note the rip rap in the d/s end.
field_484	~7 m from u/s end	NW	Lower Slope/Water Level	Looking d/s. Note the rip rap on the lower slope and willow trees.
field_485	~140 m from u/s end	NW	Upper Slope	Looking d/s along top of bank. Note the minor undercutting in the headscarp. Slope movement is not recent.
field_486	~65 m from d/s end	SE	Top of Slope	Looking u/s and to water level from top of bank. Note the very small headscarp in the park area.
Date	30-May-08			
Site Description	Crescent Park			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_506	d/s end	SW	Lower Slope/Water Level	Looking u/s. Note sloughing in the headscarp area, exposed rootlets, and leaning to fallen trees at the top of the slope.
field_507	~190 m from d/s end	SE	Top of Slope	Looking down to water level. Note limited to no vegetation on top of bank, headscarp with potential sloughing, and limited vegetation on lower slope.
field_508	~330 m from d/s end	SE	Middle of Slope	Looking down to water level. Note scarp features, foot path, change of slope to a more gradual gradient.
field_509	~355 m from d/s end	NW	Lower Slope	Looking to top of bank. Note uncutting in the headscarp area and exposed rootlets. Slope is well drained. Bank face is steep.
field_510	~50 m from u/s end	S	Top of Slope	Looking down to water level. Note no vegetation on lower slope, appears to be active sloughing in headscarp area, exposed tree roots, woody debris on lower slope, and trees growing near water level. Concrete pillar/extrusion at top of bank also noted.
field_511	~40 m from u/s end	W	Top of Slope	Looking u/s along top of bank. Note retrogression in headscarp area and steep, well drained bank face. Note sloughing in the background.
field_512	~30 m from u/s end	W	Top of Slope	Looking u/s along top of bank. Note the split tree.
field_513	~10 m from u/s end	E	Top of Slope	Looking d/s along the top of the bank. Note the retrogressing headscarp and more failure controlled topography. Note the leaning tree in the middle of the photo.
Date	30-May-08			
Site Description	Fort Rouge			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_514	d/s end	SW	Lower Slope/Water Level	Looking u/s. Note woody debris, tree roots, and river edge erosion.
field_515	~80m from u/s end	NW	Upper Slope*	Looking down to water level. Note flat topography and ~ 1 m to water level. Tilted trees on mid bank.
field_516	d/s end of rip rap section	NE	Lower Slope	Looking u/s. Note microterracing near water level, exposed tree roots, rip rap in foreground, and 2 - 3 m of river edge erosion.
field_517	d/s end of rip rap section	SW	Middle of Slope	Looking u/s. Note rip rap section in vicinity of outfall.
Date	30-May-08			
Site Description	St. Vital Cemetery			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_518	~120 m from d/s end	SW	Top of Slope	Looking down to water level. Note erosion from runoff, cracking, exposed tree roots, tilted trees growing on mid bank, and little to no vegetation on mid slope.
field_519	~140 m from d/s end	SE	Top of Slope	Looking u/s. Note retrogressing headscarp and tilted trees at top of slope on failure terrace.
field_520	~15 m from u/s end	NW	Top of Slope	Looking d/s. Note retrogressing headscarp and tilted trees. Tension crack forming parallel to bank at top of the bank.
field_521	~80 m from u/s end	SW	Top of Slope	Looking down to water level. Note hummocky topography at top of bank and tilted trees.
field_522	~30 m from u/s end	NW	Lower Slope/Water Level	Looking d/s along the river edge. Note the microterracing, exposed roots and scarp features separating the lower and mid slopes.
field_523	~20 m from u/s end	SE	Lower Slope	Looking u/s along the river edge. Note the recently sloughed material.
field_524	~200 m from u/s end	NW	Lower Slope/Water Level	Looking d/s along the river edge. Note the 1 - 2 m of river edge erosion and leaning trees. Note the fallen trees into the river and accumulation of woody debris.
field_525	~100 m from d/s end	SE	Middle of Slope	Looking u/s at a tension crack/small scarp feature (~ 10 - 30 cm wide), forming overbank deposits.
field_526	d/s end	SE	Lower Slope/Water Level	Looking u/s along the river edge. Note the microterracing and accumulation of woody debris.
Date	30-May-08			
Site Description	Toiler's Park			



Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_504	~5 m from d/s end	S	Top of Slope	Looking u/s. Note headscarp, area of potential sloughing, rip rap section, and some (very limited) woody debris on mid bank.
field_505	d/s end	S	Lower Slope/Water Level	Looking u/s. Note microterracing, undercutting in headscarp, and rip rap in u/s end. Tension crack forming at top of bank (~ 0.5 m offset) and 10 m from d/s end.
Date	01-Jun-08			
Site Description	Kings Park - Inside Bend			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_528	~175 m from u/s end	NE	Lower Slope	Looking d/s in erosion controlled section. Note the fallen tree and extensive vegetation at the top of the slope. Riverbank face is fair to well drained.
field_529	~15 m from d/s end	SW	Lower Slope	Looking u/s from the d/s end of the section. Extensive vegetation is present at the top of the slope.
Date	01-Jun-08			
Site Description	Kings Park - Outside Bend			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_527	u/s end	SE	Lower Slope/Water Level	Looking d/s along river edge. Note 3 to 4 m of river edge erosion. Looking u/s along scarp feature at top of slope. Scarp feature is ~ 1.0 m in height and formed in 2007.
field_530	near d/s end of pond (~305 m NW)		Top of Slope	Looking d/s along scarp feature. Scarp feature is ~ 1.0 m in height and formed in 2007. Pond is directly behind scarp features.
field_531	near d/s end of pond (~305 m SE)		Top of Slope	
Date	02-Jun-08			
Site Description	Apple Grove Park, D/S of Apex			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_532	d/s end	SE	Middle of Slope	Looking d/s. Note the steep sideslopes and vegetation. Microterraces are also visible on the side slopes.
field_533	d/s end	NW	Middle of Slope	Looking u/s. Note the steep banks. Vegetation at the top of the slope is extensive and mature. Terrain is hummocky.
field_534	~90 m from d/s end	NW	Middle of Slope	Looking u/s at steep sideslopes vegetated with grass. Slopes are well drained.
field_535	~20 m from d/s end	SE	Middle of Slope	Looking d/s. Note the steep sideslope and low river levels.
Date	02-Jun-08			
Site Description	Apple Grove Park, U/S of Apex			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_536	~20 m from d/s end	W	Top of Slope	Looking u/s and down to water level. Note tree at top of bank with exposed roots, sloughing (loose soil), and extremely sparse vegetation on slope. Bank face is subvertical.
field_537	u/s end	NE	Top of Slope	Looking d/s at subvertical well drained bank face. Note the undercutting in the headscarp area and the tree rootlets. Minor sloughing on the slope face.
field_538	~60 m from u/s end	SW	Lower Slope	Looking u/s. Note some signs of microterracing along water level, near vertical headscarp, and minimal vegetation along mid slope.
field_539	~60 m from u/s end	NE	Lower Slope	Looking d/s. Note vertical and overhanging headscarp, minimal vegetation on slope face, and trees with exposed roots near top of bank.
Date	02-Jun-08			
Site Description	Apple Grove Park, D/S of Perimeter			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_540	d/s end	SW	Middle of Slope	Looking u/s. Note the steep river banks covered with grasses.
field_541	~200 m from d/s end	NE	Lower Slope	Looking d/s. Note the extensive vegetation at the top of the slope.
field_542	~300-400 m from d/s end	SW	Lower Slope	Looking u/s at erosion controlled banks. Note the subvertical headscarp area with rootlets and the non existing vegetation on the slope face.
field_543	~500 m from d/s end	N	Lower Slope	Looking d/s at erosion controlled banks. Note the subvertical headscarp and leaning tree in the background.
Date	02-Jun-08			
Site Description	Munson Park			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_551	u/s end	SE	Lower Slope	Looking d/s. Note the leaning, mature trees and steeper riverbank face.
field_552	~75 m from u/s end	SE	Lower Slope	Looking d/s along bank face. Note the leaning trees.
field_553	~75 m from u/s end	SE	Lower Slope	Looking d/s. Note lined up bottles, indicating pedestrian use of the bank.
field_554	d/s end	NW	Lower Slope/Water Level	Looking u/s. Note the slope in the d/s end is shallower and resembles slump block topography while the u/s end resembles erosion controlled. Bank is fairly drained.
field_555	d/s end	NW	Middle of Slope	Looking u/s at scarp feature forming on mid slope (~15-20 m in length, saturated at the base, ~30 cm deep and ~20 cm wide).
field_556	~70 m from u/s end	SE	Upper Slope	Looking d/s. Note the hummocky topography and leaning trees.
field_557	~50 m from u/s end	SE	Top of Slope	Looking d/s at slump block topography and leaning trees.

Date	02-Jun-08			
Site Description	River to Rivergate			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_544	~50 m from d/s end	SE	Middle of Slope	Looking u/s and upslope at a 50 m long scarp feature on the lower slope (~0.5-0.7 m deep and 30-50 cm wide). Note the leaning trees in the vicinity of the scarp feature.
field_545	d/s end	SE	Lower Slope	Looking u/s from the d/s end along the sinuous river edge.
field_546	~150 m from d/s end	SE	Middle of Slope	Looking u/s along scarp feature at slope break between mid and lower slopes. Scarp feature ~100 m long.
field_547	~200 m from d/s end	NW	Lower Slope	Looking d/s along lower slope. Note the hummocky topography, leaning trees, and thick accumulation of overbank deposits.
field_548	~200 m from d/s end	NW	Middle of Slope	Looking d/s along mid to upper slope. Note the extensive vegetation, thick accumulation of overbank deposits, and leaning trees.
field_549	~250 m from d/s end	NW	Middle of Slope	Looking d/s. Note the seepage at base of slope.
field_550	~150 m from d/s end	NW	Middle of Slope	Looking d/s at mid slope scarp features. Note the thick vegetation and accumulation of woody debris.
Date	03-Jun-08			
Site Description	Drive, Cockburn to Montague			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_558	d/s end	W	Lower Slope/Water Level	Looking u/s along river edge. Note the scarp features and exposed roots.
field_559	~100 m from d/s end	N	Middle of Slope	Looking up to top of bank. Note the 1-1.5 m subvertical, well drained silt overlying glaciolacustrine material. Note the retrogression in the head scarp region and minor sloughing.
field_560	~175 m from d/s end	W	Upper Slope	Looking u/s at the undercutting in the headscarp region.
field_561	~100-150 m from u/s end	E	Middle of Slope	Looking d/s. Note scarp feature on mid bank. ~30 m in length, ~1 m in width, and ~0.5-1 m in depth. Feature follows a circular pattern, with an additional scarp feature set inside.
field_562	~100-150 m from u/s end	W	Middle of Slope	Looking u/s. Note The inner scarp feature, inset from the feature detailed in photo field_561. The scarp feature is ~13 m long, with a width of ~1 m though varying, and a varying depth of ~0.5 m.
field_563	u/s end	E	Lower Slope	Looking d/s along the river edge. Note the hummocky terrain and leaning trees in the treed area.
Date	03-Jun-08			
Site Description	Drive, Montague to Osborne			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_564	u/s end	NE	Lower Slope	Looking d/s. Note the steep upper slope with rootlets and microterraces. Bank height ~1-2 m.
field_565	~50 m from u/s end	NE	Lower Slope/Water Level	Looking d/s along the subvertical bank face. Note the rootlets and microterraces. Banks are well drained. Bank height 3-4 m.
field_566	~150 m from u/s end	NE	Lower Slope/Water Level	Looking d/s along subvertical bank face. Note the undercutting in the headscarp area.
field_567	~275 m from u/s end	SW	Middle of Slope	Looking u/s at exposed riverbank face. Note the subvertical face and exposed rootlets. Bank is well drained and ~2-3 m in height.
field_568	~325 m from u/s end	NE	Middle of Slope	Looking d/s. Note the leaning trees with exposed rootlets on the bank face and the decrease in bank height to ~1-2 m. Note the retrogression in the headscarp area and sloughing in headscarp area.
field_569	~300 m from u/s end	SW	Top of Slope	Looking u/s. Note the mature vegetation at the top of the slope.
Date	03-Jun-08			
Site Description	Park Drive, Osborne to Eccles			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_570	d/s end	SW	Top of Slope	Looking u/s. Note the extensive vegetation and hummocky topography. Bank height ~0.5 m.
field_571	~350 m from d/s end	SW	Lower Slope	Looking u/s at 1.5-2.0 m subvertical bank face. Note the bank is well drained.
Date	03-Jun-08			
Site Description	Glasgow to Brandon			
Photo Number	Photo Location	Direction of Photo	Location on Slope	Notes
field_572	u/s end	W	Lower Slope	Looking d/s along the river edge. Note the microterracing along the river edge.
field_573	~140 m from u/s end	W	Lower Slope/Water Level	Looking d/s along the river edge. Note the culvert in the foreground that discharges storm water from Brandon Avenue. Small accumulation of woody debris on the lower slopes.
field_574	d/s end	E	Lower Slope/Water Level	Looking u/s from the d/s end. Note the minor river edge erosion and vertical boards. Small willows are growing on the lower slope.
field_575	~40 m from d/s end	W	Upper Slope	Looking d/s at storm drain located near the top of the slope. Note the dense vegetation, hummocky topography, and leaning trees.

Site description	Mordaunt to Annabella to May	
Photo Number	Photo Location	Notes
boat088	D/s end of section	Grasses and some trees on slope. Note the slump block topography.
boat089	u/s end	Grassy slope. Note some recent slumping and sloughing along river edge.
boat090	Middle Annabella	Grassy slope. Note some recent slumping and sloughing in headscarp area.
boat091		Dense trees and vegetation. Note erosion at toe.
boat092		Mature trees and bushes with overbank deposits
boat093		Mature trees and bushes with overbank deposits
boat094		Mature trees and bushes with some overbank deposits visible. Note leaning trees and woody debris.
boat095		Mature trees and bushes with some overbank deposits visible. Note leaning trees.
boat096		Mature trees and bushes with some overbank deposits visible. Note leaning trees.
boat097	Close to u/s end of section	Grassy slope clearing surrounded by dense vegetation with mature trees.
boat136	Middle of Annabella to May section	Grassy slope with slumping and sloughing in headscarp area.
boat137	Middle of Annabella to May section	Grassy slope with slumping and sloughing in headscarp area.
Site description	Burrows to Pritchard	
Photo Number	Photo Location	Notes
boat077	U/s end of section just d/s of Magnus	Regraded grassy slope just d/s of boat launch. Some mature trees at river edge.
boat078	U/s end of section at Pritchard	Regraded slope with boat launch. Note the minor scarp forming in the background.
Site description	Canoe Club	
Photo Number	Photo Location	Notes
boat061	Towards u/s end of section	Looking d/s at slope. Middle section is grassy with slump block topography. End sections have mature trees and bushes.
boat062	Moving to d/s end of section	Looking d/s at slope. Headscarp at middle section and mature trees at ends of section. Note leaning tree.
boat063	Moving to d/s end of section	Headscarp extending nearly full length of slope in photo. Note leaning tree.
boat064	~ 100 m from end of section	Headscarp with subvertical scarp face. Woody debris dumped on d/s end of slope. Note leaning tree.
boat176	Towards d/s end of section	Looking u/s at headscarp in center of section surrounded by mature trees. Note leaning trees and slump block topography.
boat177	Moving to u/s end of section	Looking u/s at slump block topography. Note leaning trees.
boat178	Looking d/s, moving to u/s end of section	Looking d/s at headscarp and slump block topography along slope. Note leaning trees.
boat179	Moving to u/s end of section	Headscarp and slump block topography along length of section.
Site description	Churchill - Eccles to Osborne	
Photo Number	Photo Location	Notes
boat158	Towards d/s end of section	Looking u/s at bank. Exposed face visible at top of bank, possible headscarp. Lower bank has grasses and some vegetation. Note leaning trees
boat159	Moving towards u/s end of section	Looking u/s at bank. About 20 cm of bank exposed. Top of bank grassy with mature trees. Note leaning trees.
boat160	Moving towards u/s end of section	Looking d/s at bank. About 50 cm of bank exposed at u/s end with bank in most of section submerged. exposed bank has possible recent toe erosion or sloughing. Top of bank grassy with mature trees and bushes. Note leaning trees.
boat161	Moving towards u/s end of section	About 30 cm of bank exposed. Grasses and mature trees. Note leaning tree.
boat162	Moving towards u/s end of section	About 1 m of bank exposed. Dense root systems exposed along bank as erosion occurs up to mature trees. Top of bank densely vegetated with bushes and mature trees. Note leaning tree.
boat163	Moving towards u/s end of section	About 2 m of bank exposed. Middle section has exposed soil with possible past sloughing. Drainage fair in exposed section with saturated soil ~ 50 cm from both top of bank and rivet level. Root systems exposed. Grasses, bushes and immature trees along remainder of slope, with mature trees at top of bank. Note leaning trees.
boat164	Moving towards u/s end of section	Densely vegetated section with mature leaning trees and bushes. Bank submerged.
boat165	Close to Osborne St. bridge	Mature leaning trees and some bushes along submerged bank.
boat166	Close to Osborne St. bridge	Hummocky topography with grasses and some mature trees along submerged bank.
Site description	Churchill - Montague to Cockburn	
Photo Number	Photo Location	Notes
boat066	~1/3 from d/s end of section	Headscarp with about 3 m of exposed bank. Some grasses on slope with mature trees at top of slope.
boat067	Moving towards d/s end of section	About 50 cm of exposed bank at u/s end of section. Remainder of section submerged with grasses and mature trees at top of slope. Note mature trees.
boat172	~1/3 from d/s end of section	Headscarp with about 3 m of exposed bank. Silty zone at top of scarp underlain by glaciolacustrine clay. Some grasses on slope with mature trees and grasses on top of bank. Note the slump block topography.
boat173	~1/3 from d/s end of section	Headscarp with about 3 m of exposed bank. Silty zone at top of scarp underlain by glaciolacustrine clay. Some grasses on slope with mature trees and grasses on top of bank.
boat175	~1/3 from d/s end of section	Headscarp with about 3 m of exposed bank at d/s end of section. Silty zone at top of scarp underlain by glaciolacustrine clay. U/s end of bank submerged. Some grasses on slope with mature trees and grasses on top of bank.

boat 193	~1/3 from d/s end of section	Headscarp with about 3 m of exposed bank. Silty zone at top of scarp underlain by glaciolacustrine clay. Some grasses on slope with mature trees and grasses on top of bank.
boat 194	~1/3 from d/s end of section	Headscarp with about 3 m of exposed bank. Silty zone at top of scarp underlain by glaciolacustrine clay. Some grasses on slope with mature trees and grasses on top of bank. Note the slump block topography.
Site description	Churchill - Osborne to Montague	
Photo Number	Photo Location	Notes
boat068	U/s end of section	About 1 - 1.5 m of subvertical bank exposed. Some grasses on slope with grasses and mature trees on top of bank. Note leaning trees. Note the sloughing in the foreground.
boat069	Moving towards d/s end of section	About 1 m of subvertical bank exposed. Some grasses on slope with grasses and mature trees on top of bank. Note leaning trees.
boat070	Moving towards d/s end of section	About 1 m of subvertical bank exposed in middle of section. Remainder of section covered with mature leaning trees, bushes and grasses. Note the sloughed area in the foreground.
boat167	At Osborne St. bridge	Grassy bank with mature leaning trees in u/s end of section. Hummocky topography in d/s end of section with mature leaning trees.
boat168	Moving towards u/s end of section by fallen	About 1 m of bank exposed. Undercutting and recent sloughing. Overbank deposits on slope with mature trees. Note leaning trees.
	Moving towards u/s end of section	About 1 m of subvertical bank exposed on u/s end of section. Note poor drainage and grasses on top of bank. Toe erosion present at d/s end of section with possible recent sloughing. Mature leaning trees and bushes on top of slope at d/s end of section with overbank deposits on slope.
boat169		About 1 m of subvertical bank exposed with some grasses on slope and grasses and mature trees on top of slope. Note toe erosion and poor drainage of bank.
boat170	Moving towards u/s end of section	About 1 m of subvertical bank exposed with some grasses on slope and grasses and mature trees on top of slope. Note toe erosion, some sloughing from top of bank and poor drainage of bank.
boat171	Moving towards u/s end of section	
Site description	Crescent Park	
Photo Number	Photo Location	Notes
boat180	D/s end	Bank submerged with grasses on top of bank at center of section and mature trees on ends of section.
boat181	Cut into soil	Cut into soil at subvertical bank face with dense root system. Note undercutting of bank, poor drainage at top of bank and at ~50 cm from river level, as well as in soil cut just below dry surface of bank.
boat182	Cut into soil	Cut into soil at subvertical bank face with dense root system. Note undercutting of bank, poor drainage at top of bank and at ~50 cm from river level, as well as in soil cut just below dry surface of bank.
boat183		About 3 m of bank exposed. Headscarp with poor drainage and recent sloughing. Some grasses on slope. Grasses, bushes and trees along top of bank.
boat184	Moving u/s along section	About 3 m of bank exposed. Subvertical bank face with dense root system where erosion occurring near tree. Fair drainage at center of bank over ~ 1 m. Some grasses on slope with grasses and mature trees at top of slope. Note undercutting of slope and leaning trees.
boat185	Moving u/s along section	About 3 m of bank exposed. Subvertical bank face with dense root system where erosion occurring near tree. Fair drainage at center of bank over ~ 1 m. Some grasses on slope with grasses and mature trees at top of slope. Note undercutting of slope and leaning trees.
boat186	Moving u/s along section	About 3 m of bank exposed. Subvertical bank face with dense root system where erosion occurring near tree. Fair drainage at center of bank over ~ 1 m. Some grasses on slope with grasses and mature trees at top of slope. Note undercutting of slope and leaning trees. Note sloughing at base of slope
boat187	Moving u/s along section	About 3 m of bank exposed. Subvertical bank face at d/s end of section with root systems where erosion occurring near trees. Fair drainage at mid-bank. Dense grasses and bushes on slope at u/s end of section, some grasses on slope at d/s end of section, and grasses and mature trees at top of slope. Note undercutting of slope and leaning trees. Note recent sloughing at toe of bank.
boat188	U/s end of section	Bank submerged with dense trees and bushes at top of bank. Note leaning trees.
boat189		About 3 m of bank exposed. Subvertical bank face with dense root system where erosion occurring near tree. Fair drainage at center of bank over ~ 1 m. Some grasses on slope with grasses and mature trees at top of slope. Note undercutting of slope and erosion at toe of slope. Retrogression of headscarp noted during the field traverse.
boat190	D/s end of section	Bank submerged with dense trees at top of bank. Note leaning trees.
Site description	Darveau to Hebert	
Photo Number	Photo Location	Notes
boat109	Near train bridge	About 3 m of exposed bank with headscarp extending nearly full length of section. Grasses and some mature trees on slope and on top of bank. Note the scarp features.
boat110	Moving u/s close to train bridge	About 3 m of exposed bank with headscarp extending nearly full length of section. Grasses and some mature trees on slope and on top of bank.
Site description	End of Grace St.	
Photo Number	Photo Location	Notes
boat083	Soil cut section	Soil cut with root system. Note saturated soil in cut beneath dry soil at surface of bank.

boat084	D/s end of section	About 3 m of exposed bank with some sloughing at top of bank. Some grasses on slope with grasses and trees at top of bank. Note good drainage on slope.
boat085	Center of section	About 3 m of exposed bank with some sloughing at top of bank. Some grasses on slope with grasses and trees at top of bank. Note good drainage on slope. Note the mature trees on the slope.
boat086	Center of section	About 3 m of exposed bank with some sloughing at top of bank. Some grasses on slope with grasses and trees at top of bank. Note good drainage on slope.
boat087	Entire section	About 3 m of exposed bank with some sloughing at top of bank. Some grasses on slope with grasses and trees at top of bank. Note the toe erosion.
boat134	U/s end of section	About 3 m of exposed bank with some sloughing at top of bank. Some grasses on slope with grasses and trees at top of bank.
boat135	D/s end of section	About 3 m of exposed bank with some sloughing at top of bank. Some grasses on slope with grasses and trees at top of bank. Note the toe erosion.
Site description	Guay Park	
Photo Number	Photo Location	Notes
boat071	U/s end of section	About 3 m of exposed bank with headscarp exposed. Grassy slope and top of bank with some mature trees. Note slump block topography.
boat072	D/s end of section	About 3 m of exposed bank with headscarp exposed along multiple failure sections. Grassy slope and top of bank with some mature trees. Note slump block topography.
Site description	King's Park	
Photo Number	Photo Location	Notes
boat016	Towards d/s end of section	Bank submerged with dense leaning trees at top of slope.
boat017	Moving u/s	Bank submerged with dense leaning trees at top of slope.
boat018	Moving u/s	Bank submerged with dense leaning trees at top of slope.
boat019	U/s end of section	About 1.5 m of subvertical bank face exposed. Good drainage from top of bank to about 30 cm from water level. Soil cut shows saturated soil beneath surface of bank. Root systems due to dense vegetation at top of bank.
boat020	Moving u/s	About 3 m of subvertical bank face exposed. Some vegetation on slope and dense vegetation on top of slope. Good drainage from top of slope to about 30 cm of river edge.
boat021	Moving u/s	About 3 m of subvertical bank face exposed. Some vegetation on slope and dense vegetation on top of slope. Good drainage from top of slope to about 30 cm of river edge. Note the toe erosion and undercutting in headscarp area.
boat022	Moving u/s	About 3 m of subvertical bank face exposed. Some vegetation on slope and dense vegetation on top of slope. Good drainage from top of slope to about 30 cm of river edge.
boat023	Moving u/s	About 3 m of subvertical bank face exposed. Some vegetation on slope and dense vegetation on top of slope. Good drainage from top of slope to about 30 cm of river edge. Headscarp retrogressing upslope.
boat024	Moving u/s	About 3 m of subvertical bank face exposed. Some vegetation on slope and dense vegetation on top of slope. Good drainage from top of slope to about 30 cm of river edge.
boat025	Moving u/s	Bank submerged with dense leaning trees at top of slope. Photo of the transition section.
Site description	Lyndale Park	
Photo Number	Photo Location	Notes
boat122	U/s end of section	About 3 m of bank exposed. Grasses on slope and on top of bank. Note slump block topography.
boat123	Moving d/s	About 3 m of subvertical bank exposed. Some grasses on slope with dense grasses on top of bank. Note toe erosion and undercutting in headscarp area.
boat124	Moving d/s	About 3 m of subvertical bank exposed. Some grasses on slope with dense grasses on top of bank. Good drainage from top of bank to about 20 cm from water level. Note the fallen tree.
boat125	Moving d/s	About 3 m of subvertical bank exposed. Some grasses on slope with dense grasses on top of bank. Good drainage from top of bank to about 20 cm from water level. Note the precariously perched trees.
boat126	Moving d/s	About 3 m of subvertical bank exposed. Some grasses on slope with dense grasses on top of bank. Good drainage from top of bank to about 20 cm from water level. Note undercutting in headscarp area.
boat127	Moving d/s	About 2 m of subvertical bank exposed. Some grasses on slope with dense grasses on top of slope. Good drainage from top of bank to about 30 cm from water level at d/s end of section. Note undercutting of bank and silty fill at u/s end of section.
boat128	D/s of apex	About 1 m of bank exposed. Note erosion at toe of center section. Some grasses, bushes and trees on slope at ends of section with grasses at top of bank. Note the leaning trees.
boat129	Apex of section	About 1.5 m of bank exposed. Grasses on bank and top of slope. Note the toe erosion.
boat130	Moving u/s	About 2 m of subvertical bank exposed. Some grasses on slope with dense grasses on top of bank. Good drainage from top of bank to about 20 cm from water level. Note undercutting of slope and leaning trees.
boat131	Moving u/s	About 2 m of subvertical bank exposed. Some grasses on slope with dense grasses on top of bank. Good drainage from top of bank to about 20 cm from water level. Note undercutting of slope and leaning trees.
boat132	Moving u/s	About 3 m of subvertical bank exposed. Some vegetation on slope with dense grasses on top of bank. Good drainage from top of bank to about 20 cm from water level. Note the sloughing.

boat133	Moving u/s	About 3 m of subvertical bank exposed. Some vegetation on slope with dense grasses on top of bank. Good drainage from top of bank to about 20 cm from water level.
boat145	Apex of section	About 1.5 m of bank exposed. Grasses on bank and top of slope.
boat146	Close view of exposed bank	About 1.5 m of bank exposed. Good drainage from just below top of bank to about 30 cm from water level. Dark layer of soil about 50 cm from top of bank. Grasses on top of slope. Some erosion at toe.
boat147	D/s of apex	About 1.5 m of bank exposed. Grasses on bank and top of slope. Possible sloughing from top of slope.
boat148	Moving u/s	About 3 m of subvertical bank exposed. Some vegetation on slope with dense grasses on top of bank.
boat149	Moving u/s	About 3 m of subvertical bank exposed. Some vegetation on slope with dense grasses on top of bank. Good drainage from top of bank to about 20 cm from water level.
boat150	Moving u/s	About 3 m of subvertical bank exposed. Some grasses on slope with dense grasses on top of bank. Good drainage from top of bank to about 20 cm from water level.
boat151	Moving u/s	About 3 m of subvertical bank exposed. Some grasses on slope with dense grasses on top of bank. Good drainage from top of bank to about 20 cm from water level.
boat152	Close view of exposed bank	Close view of 3 m subvertical exposed bank. Note undercutting. Some vegetation on d/s end of slope with denser vegetation u/s on slope. Grasses on top of slope.
boat153	Close view of exposed bank	Close view of recent sloughing at toe of slope. Note poor drainage.
boat154	Moving u/s	About 3 m of subvertical bank exposed. Some grasses on slope with dense grasses on top of bank. Good drainage from top of bank to about 20 cm from water level. Note the toe erosion.
boat155	Moving u/s	About 3 m of subvertical bank exposed. Some grasses on slope with dense grasses on top of bank. In d/s section note slump block topography.
boat156	U/s end of section	About 3 m of failure controlled bank exposed. Vegetation on slope and on top of bank. Note slump block topography.
boat142	D/s end of section	About 1 m of bank exposed. Grasses and mature trees along slope, grasses on top of slope. Note leaning trees.
boat143	D/s end of section	About .5 m of bank exposed. Grasses and mature trees along slope, grasses on top of slope. Note leaning trees. Note the undercutting in the headscarp area and the recent sloughing.
boat144	D/s end of section	About 1 m of bank exposed. Grasses and mature trees along slope, grasses on top of slope. Note leaning trees.
Site description	Maple Grove Park - D/s of apex	
Photo Number	Photo Location	Notes
boat026	Towards d/s end of section	Bank submerged. Dense vegetation at top of slope. Note leaning trees.
boat027	Moving u/s	Bank submerged. Dense vegetation at top of slope. Note leaning trees.
boat028	Moving u/s	About .5 m of bank exposed. Overbank deposits with mature leaning trees. Ground hummocky with thick overbank deposits.
boat029	Close to apex	Bank submerged. Dense vegetation at top of slope. Note leaning trees.
Site description	Maple Grove Park - Perimeter	
Photo Number	Photo Location	Notes
boat039	D/s end of section	Bank submerged. Dense vegetation at top of slope. Note leaning trees. Saturated overbank deposits on flat upper slope.
boat040	Moving u/s	Bank submerged. Dense vegetation at top of slope. Note leaning tree.
boat041	Moving u/s	Bank submerged. Dense vegetation at top of slope. Note leaning tree.
boat042	Moving u/s	Bank submerged. Dense vegetation at top of slope. Note leaning tree.
boat043	Moving u/s	Bank submerged. Dense vegetation at top of slope. Note leaning trees.
boat044	U/s end of section	Bank submerged. Dense vegetation at top of slope.
Site description	Maple Grove Park - u/s of apex	
Photo Number	Photo Location	Notes
boat030	D/s end of section	About 1.5 m of bank exposed. Mainly subvertical face with grasses at top of slope.
boat031	Moving u/s	About 1.5 m of bank exposed. Good drainage at d/s end of section from top of bank to 20 cm from river level. Some root systems at d/s end where erosion occurring near tree. Some vegetation along slope with grasses at top of slope. Note undercutting at top of slope.
boat032	Moving u/s	About 2 m of bank exposed. Subvertical face with grasses at top of slope. Note toe erosion.
boat033	Moving u/s	About 2 m of bank exposed. Subvertical face with grasses and mature trees at top of slope. Good drainage from top of bank to 20 cm to water level. Dense root systems due to erosion up to trees. Note undercutting in headscarp area.
boat034	Moving u/s	About 2 m of bank exposed. Subvertical face with grasses at top of slope. Note the leaning trees.
boat035	Moving u/s	About 2 m of bank exposed. Subvertical face with grasses at top of slope.
boat036	Moving u/s	About 2 m of bank exposed. Subvertical face with grasses at top of slope. Note depression in bank possibly due to recent sloughing.
boat037	Moving u/s	About 2 m of bank exposed. Subvertical face with grasses at top of slope. Note the leaning trees.
boat038	Moving u/s	About 2 m of bank exposed. Subvertical face with grasses at top of slope. Note depression in bank possibly due to recent sloughing.
Site description	Messenger to St. Joseph	
Photo Number	Photo Location	Notes

boat98		About .5 m of bank exposed. Dense root systems due to erosion up to trees. Mature trees and bushes at top of bank and along slope. Note leaning trees.
boat99		About .5 m of bank exposed. Dense root systems due to erosion up to trees. Mature trees and bushes at top of bank and along slope. Note leaning trees and recent sloughing at toe of slope.
boat100	D/s end of section	About 3.0 m of bank exposed. Grasses along slope and top of bank.
boat101	Moving u/s	About 3 m of bank exposed. Leaning trees, bushes and grasses along slope. Fill and refuse dumped on slope. Grasses on top of slope.
boat102	Moving u/s	About 3 m of bank exposed. Leaning trees, bushes and grasses along slope. Fill and refuse dumped on slope. Grasses on top of slope.
boat103	Moving u/s	About 2 m of bank exposed. Leaning trees, bushes and grasses along slope with grasses at top of slope.
boat104	Moving u/s	About 2 m of bank exposed. No vegetation on slope at d/s end of section, grasses at u/s end of section and top of bank. Note fill on exposed face.
boat105	Moving u/s	About 3 m of bank exposed. Leaning trees, bushes and grasses along slope. Fill and refuse dumped on slope. Grasses on top of slope.
boat106	Moving u/s	About 3 m of bank exposed. Leaning trees, bushes and grasses along slope. Grasses on top of slope.
boat108	Moving u/s	About 2 m of bank exposed. Leaning trees, bushes and grasses along slope. Fill and refuse dumped on slope. Grasses on top of slope. Note the recent sloughing.
boat112	Moving u/s	Leaning trees, bushes and grasses along slope. Grasses on top of slope.
boat138	D/s end of section	About 1.5 m of bank exposed. Grasses along slope and top of bank.
boat139	D/s end of section	About 1.5 m of bank exposed. Grasses along slope and top of bank. Note headscarp and recent sloughing at top of slope.
boat140	Moving u/s	About 3 m of bank exposed. Leaning trees, bushes and grasses along slope. Fill and refuse dumped on slope. Grasses on top of slope.
boat141	Moving u/s	Bank submerged. Leaning trees and dense vegetation along slope.

Site description	Minnetonka	
Photo Number	Photo Location	Notes
boat010	D/s end of section	About 3 m of bank exposed. Note slump block topography. Grasses along slope and on top of bank.
boat011	Moving u/s	About 3 m of bank exposed. Note slump block topography. Grasses along slope and on top of bank.
boat012	Moving u/s	About 3 m of bank exposed. Note headscarp on u/s end of section with defined silt and clay beds. Some grasses on slope and on top of bank. Note undercutting of headscarp.
boat013	D/s end of section	About 3 m of bank exposed. Note slump block topography. Grasses along slope and on top of bank.
boat014	D/s end of section	About 3 m of bank exposed. Note slump block topography. Grasses along slope and on top of bank.
boat015	Moving u/s	About 3 m of bank exposed. Note headscarp with defined silt and clay layers. Some grasses on slope and on top of bank. Note undercutting of headscarp.
boat055	U/s end of section	About 3 m of bank exposed. Note headscarp with defined silt and clay layers. Some grasses on slope and on top of bank. Note undercutting of headscarp. Note the slump block topography.
boat056	Moving d/s	About 3 m of bank exposed. Note headscarp with defined silt and clay layers. Some grasses on slope and on top of bank. Note undercutting of headscarp.
boat057	Moving d/s	About 3 m of bank exposed. Note slump block topography. Grasses along slope and on top of bank.

Site description	Normand Park	
Photo Number	Photo Location	Notes
boat050	U/s end of section	About 3 m of bank exposed. Note slump block topography. Grasses and mature trees on slope. Note leaning trees. Multiple scarp features are visible.
boat051	Moving d/s	About 3 m of bank exposed. Note slump block topography. Grasses and mature trees on slope. Note leaning trees.
boat052	Moving d/s	About 3 m of bank exposed. Note slump block topography. Grasses and mature trees on slope. Note leaning trees.
boat053	Moving d/s	About 3 m of bank exposed. Note slump block topography. Grasses and mature trees on slope. Scarp features (multiple) are visible in the background.
boat054	Moving d/s	About 3 m of bank exposed. Note slump block topography. Grasses and mature trees on slope. Note leaning trees.

Site description	Norquay Park	
Photo Number	Photo Location	Notes
boat079	Middle of section	Lower bank submerged. Mature trees and grasses along slope. Ancient headscarp visible in background. Note leaning trees and hummocky topography in u/s section.
boat080	Moving u/s	Lower bank submerged. Mature trees and grasses along slope. Note leaning trees.
boat081	Moving d/s	Lower bank submerged. Mature trees and grasses along slope. Grass area may be part of ancient movement.
boat082	Moving d/s	Ancient headscarp visible in background. Note leaning trees.

Site description	Provencher to LaVerendrye	
Photo Number	Photo Location	Notes
boat113	U/s end of section	Bank submerged. Dense vegetation along top of slope. Note the leaning trees.

boat114	Moving d/s	Lower bank submerged. Grasses along slope and on top of bank at center of section. Mature trees and bushes along edges of section.
boat115	Moving d/s	Note the slump block topography. Bank submerged. Dense vegetation along top of slope. Note the buried cable on the left hand side.
Site description	St. John's Park	
Photo Number	Photo Location	Notes
boat073	D/s end of section	About 1 m of lower bank exposed near retaining wall. Grasses and mature trees on slope with grasses on top of slope. Note leaning trees and leaning retaining wall.
boat074	Moving d/s	About 1 m of lower bank exposed. Grasses on slope with grasses and mature trees on upper bank. Note leaning trees and broken concrete stairs. Note the slump block topography and multiple scarp features.
boat075	Moving u/s	About 0.5 m of lower bank exposed. Grasses on slope with grasses and mature trees on upper bank. Note scarp feature with geotextile at the base in background and broken concrete stairs at d/s end of section. Also note the scarp feature above the retaining wall.
Site description	St. Mary's at Perimeter	
Photo Number	Photo Location	Notes
boat045	D/s end of section	Grasses along slope and on top of slope at u/s end of section. Note the failure scarp in the background.
boat046	Moving u/s	Looking d/s along the section. Note the regraded portion in the middle of the section.
boat047	Moving u/s	Note the multiple scarp features and hummocky topography at about 100 m from u/s end.
boat048	Moving u/s	Looking d/s along the hummocky topography. Note the toe erosion and scarp features. Slope was regraded in the past.
boat049	Moving u/s	Looking d/s along hummocky topography. The base of the scarp features were not well drained.
Site description	St. Vital Park - Erosion controlled	
Photo Number	Photo Location	Notes
boat001	Towards d/s of section	About 1.5 m of bank exposed. Some dense root systems due to erosion by trees. Some grasses on slope with grasses on top of bank. Good drainage. Note leaning tree.
boat002	Moving u/s	About 2 m of bank exposed with sloughing off top of bank. Grasses on top of bank and some grasses along slope with tree roots.
boat003	Moving u/s	About 3 m of bank exposed with sloughing off top of bank. Grasses on top of bank and some grasses along slope. Note good drainage from top of bank to 30 cm from water level.
boat004	Moving u/s	About 3 m of bank exposed with sloughing off top of bank. Grasses on top of bank and some grasses along slope. Note good drainage from top of bank to 30 cm from water level.
boat005	Moving u/s	About 3 m of bank exposed with recent sloughin off top of bank. Grasses on top of bank and some grasses along slope. Note good drainage from top of bank to 30 cm from water level, leaning trees and pipe protruding from top of bank.
boat006	Moving u/s	About 3 m of bank exposed. Grasses and mature trees on lower section and top of slope. Note leaning trees.
boat007	Moving u/s	About 3 m of bank exposed. Dense grasses along slope and top of bank.
boat008	Moving u/s	About 3 m of bank exposed. Dense grasses and some trees along slope and top of bank.
boat009	Moving u/s	About 3 m of bank exposed. Dense grasses and some trees along slope and top of bank. Cut in middle of slope to install instrumentation. Note the slump block topography.
boat058		About 3 m of bank exposed. Few grasses on slope at center of section. Dense vegetation and trees at edges of section. Root systems where erosion occurring near tree. Note leaning trees and undercutting of slope. Drainage good.
boat059		About 3 m of bank exposed. Few grasses on slope at d/s end of section. Dense vegetation and trees at u/s end of section. Note leaning trees and undercutting of slope. Drainage good.
boat060		About 3 m of bank exposed. Few grasses on slope at center of section. Dense vegetation and trees at edges of section. Note leaning trees, undercutting of slope, erosion and minor sloughing at toe. Good drainage.
Site description	Toiler's Park	
Photo Number	Photo Location	Notes
boat065	Entire section	Grassy regraded slope at center of section with some riprap at d/s end of section.
boat192	Entire section	Grassy regraded slope at center of section with some riprap at d/s end of section. Note slump block topography at u/s end of section
Site description	Wardlaw to Brandon	
Photo Number	Photo Location	Notes
boat116	D/s end of section	Grasses and some trees along slope and on top of slope. Note the slump block topography.
boat117	Moving u/s	Grasses and some trees along slope and on top of slope. Note the slump block topography.
boat118	Moving u/s	Grasses and some trees along slope and on top of slope. Note the slump block topography.
boat119	Moving u/s	Grasses and some trees along slope and on top of slope. Note the slump block in the foreground.