APPENDIX G

WINDSHIELD SURVEY DATA

Elkhart River Watershed Windshield Survey Data

Eikharf River Watershed Windshield Survey Data					
General Location	Site ID	Nature of Problem			
		Waste management and septic issues in the			
Yellow Creek	Subwatershed	subwatershed			
	Concentrated along US 33 corridor (Elkhart	Current construction sitespossible sources of			
Elkhart Co.	to Waterfordsee map)	runoff, sediment			
Elkhart Co.	City of Elkhart, City of Goshen, New Paris	Urbanized areas			
	CR 17 south (SR 19 west to CR 17 and south				
	to CR 32; and CR 17 corridor south to US				
Fill-based Co	6); between north parts of CR 17 and SR 15;				
Elkhart Co.	north of Millersburg along SR 13	Likely to be developed/urbanized			
Nappanee	Elkhart Co.	Construction sites/soils unfavorable for infiltration			
Kendallville	Noble Co.; south of SR 6, west of 1000E	Likely to be developed/urbanized			
Kendallville	Noble Co.; SR 6 west out of Kendallville	Development/construction sites			
		· · · · · · · · · · · · · · · · · · ·			
Kendallville	Noble Co.; west of SR 3S, north of 600N	Construction site w/failing BMPs			
	Noble Co.; Wayne TWP; Along SR 6 and SR				
Henderson Lake Ditch	3	Construction sites w/o BMPs			
	Albion (north side); Ligonier (US 33 at SR 5				
Noble Co.	and US 33 at SR 6)	under development/likely to be developed			
Ligonier	Noble Co.; West Noble Schools	Construction site			
), II, G. CD 5	Construction site (funeral home) w/o BMPs, severe			
Ligonier	Noble Co.; SR 5	erosion			
Noble Co.		Various old dump sites along river			
		Notable silting. Soil types: MsC3 and MrB2 =			
South Branch	Noble Co. (especially were the flow slows)	morley silty loams, eroded to severely eroded			
John Branch	Troble Co. (especially were me now slows)	moriey siny louns, eroded to severely eroded			
		A few years ago, work was done to replace a			
		meander in the channel. Trees removed and the			
		landscaping material is failing and being undercut,			
		creating concern that the meander will be lost and			
Yellow Creek	Elkhart Co; area under US20 bypass	cut through the peninsula.			
Warner and Sons Construction Waste	Elkhart Co.; Concord TWP, S22; CR 45, west				
Dump	of CR 13	Adjacent to Yellow Creek			
	Elkhart Co.; Concord TWP, S29; north of CR	Good management practices; few incidences of			
Elkhart Co. Landfill	26, west of CR 9;	erosion			
	Elkhart Co.; Concord TWP, S32; south of CR				
Earthmovers Landfill	26, west of CR 9				
		sediment and nutrients flowing offsite and directly			
Logan St.	Elkhart Co.; Goshen, (businesses in the area)	into river			
Rock Run Creek	Elkhart Co.; Abshire Park, Goshen	Streambank erosion			
	Elkhart Co.; CR 34, bridge west of Blackport				
Rock Run Creek	Dr. (Riverwatch Monitoring Site)	Extremely high concentrations of E. coli.			
ROCK ROTI CICCR	Elkhart Co.; N 41.61297, W 85.75812;	Extremely high concern allons of E. con.			
	north side of CR 28 b/t CR 127 and CR 33.				
Boyer Ditch	(ditch is parallel to CR 28)	Moderate to severe erosion along ditch			
•	Elkhart Co.; N 41.61297, W 85.75812; NW				
Boyer Ditch	corner of CR 28 and CR 33.	Cattle access to stream			
	Elkhart Co.; Elkhart TWP, S25; CR 31 b/t CR				
Horn Ditch	38 and CR 40	Lacking buffer			
	Elkhart Co.; Clinton TWP, S7; CR 33 just				
Rock Run Creek	north of CR 131	Cattle access to stream			

	Elkhart Co.; CR 34 east of CR 33; N 41° 35'	Horse access to stream; several Amish farms in this
Tributary to Rock Run Creek	52", W 85° 44' 55.8"	area allow access
,		Cattle access and lacking buffers; buffers also
Rock Run Creek	of CR 30	lacking up to SR 13/SR 4 west of CR 39
	Elkhart Co.; SR 13 south of CR 30; N 41° 35'	Buffers lacking (cropped to bank); animal access on
Rock Run Creek	38.2", W 85° 41' 41.5"	east and west
	Elkhart Co.; Clinton TWP, S9/10; CR 37,	
	south of CR 30; N 41° 34′ 52″, W 85° 42′	
Tributary to Rock Run Creek	51"	Severe erosion and animal access to stream
	Elkhart Co.; SR 13 north of CR 34; N 41° 35'	
Tributary to Rock Run Creek	14.1", W 85° 41' 41"	Erosion on west side
	Elkhart Co.; east of Millersburg, Benton and	
Stoney Creek	Clinton TWP line	Cattle access to stream (H. Hutchison/H. Oberlin)
	Elkhart Co.; CR 44 b/t CR 43 and Noble Co.	
Elkhart River Main Branch	line; north of River	Fall tillage w/ slight slope
	Elkhart Co.; Harrison TWP; CR 40 between	
Yellow Creek	CR 9 and CR 11	Cattle access to stream
		Old gravel pit used as liquid manure storage,
	<u></u>	broken tiles; improper manure spreading on land
	Elkhart Co.; Harrison TWP, S34; CR 40 b/t	causing runoff to lake and creek. Land owner cited
Yellow Creek/Yellow Creek Lake	CR 11 and CR 13 (and adjacent area)	by IDEM.
	Elkhart Co.; CR 44 b/t CR 13 and Cr 15;	
Dausman Ditch	Foraker	Manure drainage to ditch
	Elkhart Co.; Union TWP, S18; CR 46 west of	
Wisler Ditch	CR 7	Manure drainage to ditch
Turkey Creek	Kosciusko Co.; Milford; Main St.	Log jam slightly inhibiting passage; trees line banks
T	Kosciusko Co.; Van Buren TWP, S2; 150E	
Turkey Creek	and 1300N	Log jam slightly inhibiting passage; trees line banks
T C	Kosciusko Co.; Van Buren TWP, S2; 250E	Log jam moderately inhibiting passage (water still
Turkey Creek	and 1400N	flows)
Toolers Coarls	Kosciusko Co.; CR 127 & S.Elk. CR	
Turkey Creek	(Elkhart/Kosciusko Line)	Log jam located in highly visible/usable spot
Turkey Creek	Kosciusko Co.; south of Syracuse Cemetery	Log jam slightly inhibiting passage; trees line banks
Torkey Creek	Rosciosko co., sodili di dyrucose cellielery	west side of roadwooded wetland w/tile inlet
		and severe gullies through the woodsnot much can
Timberhurst Ramblewood Addition	LaGrange Co.;	be done b/c of topography
Spectacle Lakes area, south of Big Long	·	wooded w/gullies going into pond; very steep
Lake	1075E; east side of road	topography
		i opograpiny
J.O. Mory Warehouse, Tri-State and	LaGrange Co.; Millford TWP; South Millford	
Weible Lumber Companies	area; 700 S going west near State Road 3	large amounts of impervious surface
		Proposed Soy Diesel Plantdelineated wetlands on
		property; ~160 in crops; project on hold, but need
LaGrange Co.		to watch
3	LaGrange Co.; 700S, north and south side of	
	road	CFO: 4 chicken houses ~20,000 birds/house
	LaGrange Co.; Jonhson TWP; 700S and	Septic cluster; propsed 5 lot housing development;
LaGrange Co.	400E	no contruction at this time
-	LaGrange Co.; 700S and 2600 E	Septic cluster; small housing development
	LaGrange Co.; Johnson TWP, S 32; 150E	
Dallas/Witmer Lake	south of 700S	CFO: 26,500 chicken housebroilers
	LaGrange Co.; Clearspring TWP; 700S and	
North Branch	200W	2 lifestock operations
	LaGrange Co.	Farm dump in woodssmall
North Branch	LaGrange Co.; 450S	Animal access to stream
	LaGrange Co.;	Septic cluster; housing development (15-20 houses)
	-	<u> </u>

_	T	T
		Urban development on Oliver Lakemany
Oliver Lake Resort	LaGrange Co.; Johnson TWP	problems with permits for wetlands; project on hold
Oliver Luke Resolt	LaGrange Co.; Ditch on north side of Oliver	problems with permits for wendings, project of flord
Dove Creek	Lake	closed landfill in watershed above this
Bove creek	Lake	closed failers in watershed above his
	LaGrange Co.	Septic cluster; housing development (15-20 houses)
	LaGrange Co.; above Oliver Lake	closed landfill; area of concern
	LaGrange Co.; 300S	CFO; chicken house w/~28,000 birds
	Noble Co.; south of 1100N and east of	
Elkhart River Main Branch	Elkhart/Noble line	Fall tillage w/ slight slope for several miles
	Noble Co.; Perry TWP, S7; just north of	
Elkhart River Main Branch	1000N	Bank erosion, trees removed 2007
	Noble Co.; Perry TWP, S17/18; 1100W;	
Elkhart River Main Branch	bridge 59	Lack of buffer on south side
	Noble Co.; Perry TWP, S20; Perry Rd/900N	
Elkhart River Main Branch	east of N. River Rd.; bridge 56	Residential lawnslacks buffer to NE, NW, SE
	Noble Co.; immediately south of E. Union St.	Old Ligonier City Dump, manufacturing dumping
Sparta Lake Ditch	in Ligonier, east of SR 5	history?
		log jams inhibiting recreation, but good habitat
		(some jams northeast of Wawaka have been
North Branch	Noble Co.; Ligonier to Wawaka	cleared)
	Noble Co. Between 600W and 700W Perry	
Elkhart River Main Branch	TWP, \$25	trees removed from south bankerosion problem
	Noble Co.; Elkhart TWP; 1000N b/t 400W	
Schwab Ditch	and 300W	Lacks buffer
	Noble Co.; Elkhart TWP, S15; north of	
Boyd Ditch	Cosperville (just south of powerline)	Old Cosperville City Dump
l <u>.</u> .	Noble Co.; Elkhart TWP, S2; 1200N just east	
North Branch	of 225 W	buffer needed to south
Rome City	Noble Co.; adjacent to Sylvan Lake	Limberlost Golf Club
Mataria and Dital	Nahla Ca Mayina TM/R S20 Analin Rd	steen benke but buffered
Waterhouse Ditch Henderson Lake Ditch	Noble Co; Wayne TWP, S29; Anglin Rd.	steep banks, but buffered
Henderson Lake Diffi	Noble Co.; Wayne TWP; at SR 3 Noble Co.; Allen TWP, S18; 700E north of	steep bank
Rimmell Branch	SR 8	very narrow buffer
Killineli brancii		steep banks, needs buffer; west side residential
Rimmell Branch	of SR 8	lawn, east side field
Skinner Lake	Noble Co.; Jefferson TWP	residential lawns up to banks
OKINICI EGRE	Noble Co.; Jefferson TWP, S28; 125N b/t	residential tawns op to banks
Unnamed ditch draining to Summers Ditch	200E and 300E	ditch goes through lawn w/o buffer
ominante and a aming to comment 2 min	Noble Co.; Jefferson TWP, S29; 200E and	and good an ooga to an any o some.
Summers Ditch	125N	lacks good buffer on east side
	Noble Co.; Jefferson TWP, S32; Baseline Rd.	
Noble Co. Landfill	and 125E	
	Noble Co.; Jefferson TWP, S32; Baseline Rd.	
Unnamed ditch	b/t 75E and 125E	Residential lawnlacks buffer
	Noble Co.; York TWP, S14; Albion Rd. west	buffer needed south of road; cattle access to
Tributary to South Branch	of 100W	stream
Noble Co.	South of Albion	Sewage treatment ponds
	Noble Co.; b/t 50W and SR 9 north of	<u> </u>
Tributary ditch to South Branch	100N; and south of 100N east of SR 9	buffers lacking (residential and fields)
,	Noble Co.; York TWP, S9; 400N b/t 450W	Animals fenced but without a buffer (fence right up
South Branch	and 350W; bridge 65	to banks)
	Noble Co.; York TWP; 100N west of Long	
Lake	Lake Rd.	Residential lawn, lacks buffer
Tributary to South Branch (draining Russell		
Lake)	Noble Co.; York TWP; 200N east of 400W	eroding/steep banks on south side
•		. •,

	Noble Co.; York TWP; 100N before 50W;	
South Branch	bridge 57-76	NW corner lacks buffer
	Noble Co.; Noble TWP, S12; 50W north of	
Foraker Creek	200S	erosion; cattle grazing
	Noble Co.; Noble TWP; 100S west of	
South Branch	250W; bridge 57-80	Residential lawn, lacks buffer
Augusta Hills Golf Course	Noble Co.; Long Lake Rd. and 300N/330N	
	Noble Co.; Sparta TWP, S15; 860W south	
Solomon Creek (LARE \$ available)	of 450N	buffer lacking on south side
	Noble Co.; Sparta TWP, S5; 1050W and	
Solomon Creek (LARE \$ available)	550N	fall tillage near creek
	Noble Co.; Perry TWP, S32; 1050W south	
Solomon Creek (LARE \$ available)	of 625N; "Good Enough Farm"	Cattle access on SE and SW; fall tillage on NE
Cromwell Ditch (LARE \$ available)	Noble Co.; 450N west of 1025W	fall tillage; lack of buffer
Cromwell Ditch (LARE \$ available)	Noble Co.; 1100W north of 450N	fall tillage to the west

Sites below are those marked for preservation

Turkey Creek	Kosciusko Co.; West of SR15 (+/- 2 miles)	grass buffer present
LaGrange Co.		Several areas in CRP tree plantings and wetlands
LaGrange Co.	All lakes in watershed	On central sewers
	LaGrange Co.; Milford TWP, S29; 700S and	
Camp Potawatomi (YMCA)	725E	130 acres of woods, wetlands
	LaGrange Co.; Clearspring TWP; 700S at	
Dallas Lake Park	75W	75 acres of wetlands, woods
		large wetland area near Oliver Lake; protected
Marsh Wren Nature Preserve	LaGrange Co.	by ACRES
		largest natural lake in Indiana that will never be
Olin Lake Nature Preserve	LaGrange Co.	developed; protected by ACRES
	LaGrange Co.; Clearspring TWP; 200W	
David Rogers Park, North Branch	south of 550S	100 acres; LaGrange Co. park
immediate Elkhart River corridor esp. N		
and S branches	Noble Co.	areas worth preserving
Merry Lea Environmental Center	Noble Co.; Wolf Lake	Natural Area
Chain of Lakes State Park	Noble Co.; Green TWP	Natural Area
	Noble Co.; Elkhart TWP, S17; north side of	Waterway and filter strip presentseveral filter
Smalley Ditch	900N, west of 450W	strips were present in Noble. Co.
Noble Co.	Esp. North Branch	Would like a baseline inventory of mussels
Noble Co.		Would like a baseline fish tissue sampling

Elkhart River Watershed Windshield Survey

Investigator(s):					
Date: Time:					
Weather (now):					
Weather (past 24 hrs	s.):	Site ID GPS:	Site ID	Site ID	Site ID
	"		GPS:	GPS:	GPS:
		Roads: Description:	Roads: Description:	Roads: Description:	Roads: Description:
	Please check those that apply	Description.	Description.	Description.	Description.
	and give any pertinent				
	information				
Log Jams					
	inhibits all passage				
	moderately inhibits passage				
	slightly inhibits passage				
	jam located in highly used/visible spot				
	est. area of jam (sf)				
Area Worth	T				
Preserving					
	wetlands				
	wildlife habitat				
	green space				
	cultural/historical site				
Areas Under Urban Pressure/ Growth					
	Likely to be developed				
	Under development				

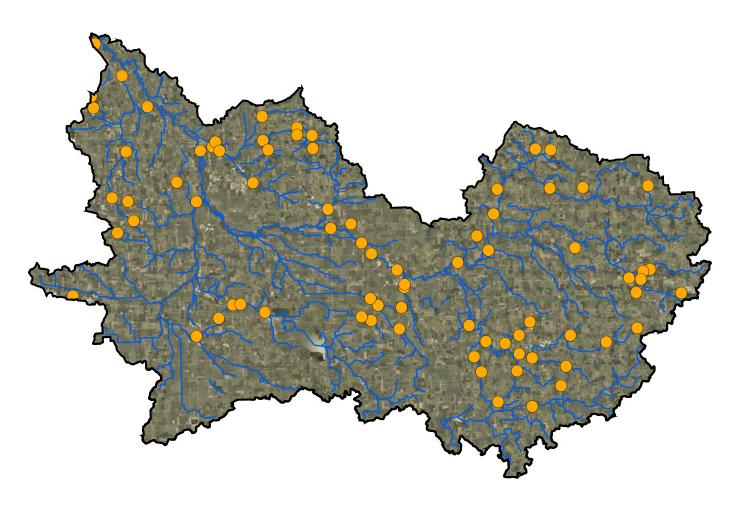
		Site ID	Site ID	Site ID	Site ID
Septic Clusters					
	est. size of cluster (acres) indicators of failure/leakage (explain)				
Stormwater Management					
	Combined Sewer Outfall				
	impervious surface (sf, pavement, buildings, etc.)				
	erosion (rills, gullies, soil transport)				
	pooling of water (est. ac)				
	sediment trap				
	curb/gutter				
	detention/retention basin				
	rain garden/rain barrel				
Illegal Dumping					
	Trash (types, est. area covered)				
	Illegal drainage pipes/ outlets				
	Dumping into storm drains				

		Site ID	Site ID	Site ID	Site ID
Cropping Practices					
	No-till (≥30% residue)				
	Reduced-till (15-30% residue)				
	Conventional tillage				
	Stream/ditch buffer absent (proximity to stream and est. length of un-buffered land (ft))				
	Buffer present (est. width in ft; type (trees, shrubs, grasses; natural, installed); adjacent land use)				
	Erosion (rills, gullies, etc.)				
	Field flooding (est. % of field)				
	Grassed waterway present/absent (est. ac)				
Manure/Feces Sources					
	Animal Feeding Operation (# animals, type)				
	Confined Feeding Op. (# animals, type)				
	hobby farm (# animals, type)				
	Animals in stream (est. #, type)				
	Manure spreading on bare ground (est. ac)				
	Manure storage (uncovered pile, failed tanks, etc.)				

		Site ID	Site ID	Site ID	Site ID
Surface Water					
Characteristics					
	Un-vegetated banks (est. area (sf))				
	Undercutting				
	Eutriphication (% surface cover)				
	Water color (clear, green, brown, murky, oily sheen)				
	Water odor (sewage, petro, chemical, other)				
Other					

Windshield Survey Locations







V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com

	Τιτιε: Windshield Survey Locations		PROJECT: Elkhart River	PROJECT: Elkhart River Management Plan and Implementation		
7	BASE LAYER:	USGS Topographic Map	PROJECT No.: 07041	Ехнівіт: G-1	SHEET: 1 OF: 1	
'	CLIENT:		07041		'	
		Elkhart River Restoration Association 305 Carter Road	Quadrangle:	DATE:	SCALE:	
		Goshen, Indiana 46526	N/A	2/7/08	NTS	