

Renewable Energy Water Body Site Investigation

Office Use Only

	ame):		IV Kent		Field Staff	: 1483	
Survey Date:		IPR 15	Weather	Conditions			
Time Started:	1616		Temp (°C), Wind, Cloud Co	ver (%), Precipitatior	n: 4,1°, 5,4, 100%, Ø	ζ
Time Finished:	162	5	, , ooipitati	1011 1111 1101 101110 (any 100 apro		
Site Code:	SLLT	-009		GPS Loca		Estimated Length Asses	sed
Feature Name:	Unnqued	Or	<pre>####################################</pre>	Easting:	**********************	Upstream: 🌆	***************************************
Drainage System	C.A.		. The	N 4 - !		Downstream: 180	*4530******************
Location in Syste	 m: _{ຊາໄອ} ,		n Therees wel Ln		y No. 165	201110111111111111111111111111111111111	**************
Channel Charact		and Morr	phology A/A			an-made pond Online/Offlir	20
Chroimht			Meandering	(H/M/L Sinuosity):		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	**************
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Avg. Dalikiuli vviu	ith (111).				***********************************	F:- >	***************
Substrate Compo	SITION (70)	 	Boulder:	Cobble:	Gravel:	Fines:100	************
Bed Morphology (,%) 	***************************************	Flat: wo	Riffle:	Run:	Pool:	****************
Bank Slope & Sta	ibility. 15	roderse.	Stept High S	***	Feature	Gradient (H/M/💋: 🗘	*************
Other Comments:	Chonnel	12ed Ou	F -	}4###\$4################################	***************************************		
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Instream Aquatio			************************************				
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vegetation (with 3	⁄o domina	nt): Th	nas of Ducks	weed C100703			
Surface Water Q	uality	************************				***************************************	1×200×1×00×1×00
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	T.Ghysse	**************************************	***************************************	***************************************			**************
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Project (No. & N	ainej.	1014	N. Kent		rieic	Staff:	KET	
Survey Date:	2d APR	15		r Conditions			**************************************	***************************************
Time Started:	1415		Temp (°0	C), Wind, Cloud Co	ver (%), Preci	oitation:4.6°	WHWO,	100%
Time Finished:	1425	*****************	Precipita	ntion in Prior 48hrs ((mm): No da	ta III	,	,
Site Code:	SWLT (703		GPS Loca	tion		Estimated L	ength Assessed
Feature Name:	Vhree -		***************************************		0392319		Upstream	: los
Drainage System	1: South	hal	Louis Thomas		W-201480	22004220042200422004	Downstre	am: ੴ
Location in Syste	em: 🔊 🌬	**************************************	Iberts La	Water Bod	y No. 160		****************************	######################################
Channel Charac							de pond	Online/Offline
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□ Standing W	/ater	****************	☐ Low Flow /	Baseflow		Moderate F	Flow 🗆	High / Flood Flow
☐ Freshet Flo	114/			***************************************			*************************	***************************************
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Avg. Bankfull Wid	dth (m):	4.0	Ava. E	Bankfull Depth (m):	0 7			
Substrate Compo	osition (%)	Boulder: 🔍	Cobble: -	G	ravel:	Fine	S: 100
Bed Morphology	(%)	A	Flat:		R	un: 🖛	Poo	l: ¿👓
Bank Slope & Sta	ability:	Hab 3	Stabilty Hes	5/202	F	eature Gradi	ient (H/M/🔘):	
Other Comments	: change	drzed	h	· · · · · · · · · · · · · · · · · · ·			***************************************	***************************************
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Instream Aquati	c Habitat							
			rcut banks): o	ver hanging ha	sk VPa		************************************	***************************************
Vegetation (with	% domina	ant): 🗽	autre Cuess ((10070)		************************	*************************	
Surface Water C	Quality	***************************************		T		************************		×>>+××++++++++++++++++++++++++++++++++
Temp (°C):		Furbidity	(Ø M/H): ∟o~√	Colour: Green	С	omments:	«0990°	***************************************
Riparian Habitat	The second second							
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Canopy Cover (%			Ŋ.	***************************************		***********************	···	***************************************
Adjacent Land U	se:	/	16			**************	*************************	
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\leq	NATURAL	RESOURCE	SOLUTIONS	INC.
(9)	Aquatic, Terrestri	al and Wetland Bio	logists	

Project (No. & Na		1612	N. Kent		Field	Staff:	REA		
Survey Date:	WARR 15		Weather	Conditions				-	
Time Started:	1430	***************************************	Temp (°C), Wind, Cloud Co	ver (%), Preci	pitation:	+.10° 6	WNW	1007. 8
Time Finished:	1445		Precipitat	tion in Prior 48hrs ((mm): /Jo do:	La			Andrew Manager Manager
	WLT OOLY			GPS Loca	ition		Estimat	ed Len	gth Assessed
Feature Name:	Unviewed Ov			Easting:	O395048	******************	Upstr	eam:	150
Drainage System:	South wast	Love	Thorn	Northing:	CATRON O		Dowr	nstream	
Location in Syster	n: alon 5	bals Ln		Water Bod	lv No.			*************	********************************
Channel Charact	eristics and N	/orpholog	gy N/A	⊾	☐ Pond	☐ Man-ı	made pond	0	nline/Offline
□ Straight		□ M	eandering	(H/M/L Sinuosity):		Defined		□ P	oorly Defined
Standing Wa	ater	☐ Lc	ow Flow / E	3aseflow		Moderat	e Flow	ПН	online/Offline oorly Defined igh / Flood Flow
Avg. Wetted Width		~ E	Δνα Μ	Vater Denth (m):	~ 1£		x Pool Dep	**h (m)	
Avg. Bankfull Wid	th (m).	. K	Ava B	Vater Depth (m): ankfull Depth (m):	06 'n	IVIC	IX FUUI DEL	oni (iii).	
Substrate Compos	sition (%)		der: =	Cobble:	<i>V,</i> 9 G	ravel:		Fines: A	**************************************
Bed Morphology (%) ·	Flat:	der:	Riffle:	- R	un:	********************	Pool: 4	********************************
Bank Slope & Stal	bility: High			C L 1.1 · L .			adient (H/N		
Other Comments:	aniin kamanan Jilaana	918 hr	. lyh		***************************************			" 	** ***********************************
Changlized	*******************	********************	***********************	**************************************	*****************************	*********************	*********************		**********************************
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Instream Aquatic	Habitat					4			
Features (e.g. woo Vegetation (with %	ody debris, und	dercut bar	าks): 🍖	hactes best		*******************	*********************	************	**************************************
Vegetation (with %	odominant): 🛚 🖊	Durkwed	(5%)	Cathail C50	76) Vien	terevos	(45%)		*******************************
Journace Mater &	uanty				X7 ³ 10(X7)04XX1006XY1004XY1004XY1014X		***************************************	**************	*************************************
	ς Turbidi	ty (0 /M/H)): LOW	Colour: Clem+	C	omments:	1200000. ********************************	*****************	
Riparian Habitat									- 14 4, 2 10 10 10 10 10 10 10 10 10 10 10 10 10
Vegetation: Canopy Cover (% Adjacent Land Use	T.Gwsses	. D- !	Shrobs	***************************************	***************************************	********************	************************	***************************************	***********************************
Canopy Cover (%	and species):	63	D. Shn	<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	******************************		************************		***************************************
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Adjacent Land Use	J. // 8	-							
General Commen	n ts (Fish obse	erved, uni	usual cond	litions, culvert/bridg	ge description	, groundw	/ater indica	tors and	description)
General Commen	n ts (Fish obse	erved, uni	usual cond	litions, culvert/brid	ge description	, groundw	vater indica	tors and	description)
General Commen	n ts (Fish obse ร	erved, uni	usual cond	litions, culvert/bride	ge description	, groundw	ater indica	tors and	description)
General Commen	n ts (Fish obse ร 	erved, unu	usual cond	litions, culvert/brido	ge description	, groundw	vater indica	tors and	I description)
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General Commen No Fish ob No Fish ob deposits of Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge:	No. Directi	erved, unu +kw ion De	usual cond	litions, culvert/brid	No.				I description)
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Project (No. & Na			V. Kent			taff: /ß E /ß		
Survey Date:	22 API	R 15	Weath	er Conditions				
Time Started:	1460	25 o 25 o 36 c o 46 c o o o o o o o o o o o o o o o o o o	Temp ((°C), Wind, Cloud Cove	er (%), Precipit	ation: 4,60°.	(OWN)M	100% (d)
Time Finished:	1505	*********************	Precipi	itation in Prior 48hrs (n	nm): No data	, -		de ballaged extension en ef en elifette en en en e
Site Code:	SALI	CDE.					ated Length	Assessed
*******************	Unnumid	1,	>+4XE>44XE>44XE>44XE+4XE+4XE+4	Fasting: C)3 <i>9</i> 7698		stream: /	
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Drainage System: Location in Systen	>04h 1			Northing: ∠ Water Body	1700yo, No. 164	D-0-	Wiisucaii. ,	50
			s to	.A Clake C		Man made nor	ad Onli	ne/Offline
Channel Characte					**************] Man-made por		***********************
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Freshet Flow	٧ ' '\،	Chunhe liz	ed 134	141-1 Danth (m):		May Dool D	· 4 - / /	
Avg. vvettea vviati	ስ (m): ''- '\'	ltop	Avg.	. Water Depth (m):	0,24	יי ווא רוטו א	eptn (m).	0-25
Avg. Banktuli vviul	th (m).	6.5	Avg.	. Bankfull Depth (m):	0.7	· 1.		
Substrate Compos	sition (%)	Boulder: -	Cobble:	Gra		Fines: 🚜	*************************************
Bed Morphology (%) 	***************************************	-lat: 100	Millo.	ixui		Pool:	********************************
Bank Slope & Star	oility:	Hich Stops	cHogh	sklity	rea	ture Gradient (H	//VI/ (の): しつぃ	V
Other Comments:		***************************************			***************************		***************************************	
Churl 12nd	Ur	*****************		 	*************************	****************************	***************************************	************************
Instream Aquatic	Habitat	*******************************			>+4XE>+4EX\$++4XX>+4XFY++4XF++4XF*+4	*************************************	************************	*****************************
Features (e.g. woo	ody debr	s, undercu	t banks):	Over heryby has	k		*************************	
vegetation (with 70	o uomma	ınt): 🚜	this sp 091	07. duck with	(4 (io/2)	*******************************	*************************	********************************
Surface Water Qu	uality		89"		***************************************		******************	*********************************
		urbidity (L/	M/H): MEDI	NM Colour: Bue	Con	nments:		
Riparian Habitat								
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Vegetation:		505505 1	D. TVE	***************************************				
Vegetation: Canopy Cover (%	7.6	cies):	D. Tree	Thos	***************************************			*******************************
Vegetation: Canopy Cover (% Adjacent Land Use	7. € and spe	cies): L	D. Tveo to 7. D. J	Thees			***************************************	
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Renewable Energy Water Body Site Investigation

Office Use Only

	Field Staff: 1356
Survey Date: ๘๘ 🗚 🕅 Weather Conditions	
Time Started: ١५७ Temp (°C), Wind, Cloud Cover (%),	, Precipitation: 4.9°、5W,IOO′/ , 🧳
Time Finished: 150 5 Precipitation in Prior 48hrs (mm): A	Jo Arrta
Site Code: GPS Location	Estimated Length Assessed
Feature Name: Pasting: 039755	Upstream: 150
IDrainage System: See Morthing: 4700745	Downstream: 150
Location in System: Location in System: Location in System: Water Body No.	169
Channel Characteristics and Morphology ∧ / Д	id Man-made pond Online/Offline
✓ Straight ☐ Meandering (H/M/L Sinuosity):	
☐ Standing Water ☐ Low Flow / Baseflow	☐ Moderate Flow ☐ High / Flood Flow
Freshet Flow	
Avg. Wetted Width (m): ಟ್ರ್ಯ Avg. Water Depth (m): ೮-೩೪	ที Max Pool Depth (m): ๕๘๖
Avg. Bankfull Width (m): ይ አ Avg. Bankfull Depth (m): ይ ያ δ	5
Substrate Composition (%) Boulder: Cobble:	Gravel: - Fines: ۲۰۰۰
Bed Morphology (%) Flat: 70 Riffle:	Run: 🕫 Pool: 🗕
Bank Slope & Stability: High Slope medente 3 tab. 1/ty	Feature Gradient (H/M/Q): LOW
Other Comments: Chamilized Dr	
Instream Aquatic Habitat	
Features (e.g. woody debris, undercut banks): ohund sid wordy John Vegetation (with % dominant): Durk and Clo? Codhil sp	3 V/S
Vegetation (with % dominant): Durk and Clo?) Cothell so	C90%)
Surface Water Quality	
Temp (°C): G Turbidity (ØM/H): ∟⊘w Colour: Gree	Comments:
Riparian Habitat	
Vegetation: I. Grusses D. Trees	
Canopy Cover (% and species): 60% 0. 1655	
Adjacent Land Use:	
General Comments (Fish observed, unusual conditions, culvert/bridge desc	cription, groundwater indicators and description)
M. E. L. Alis	
poorly defend themen = does cetted post-6-5	
4.5 n Opto Lov Colon	
Photographs ¹ No. Direction Description	No. Direction Description
Upstream: こちゅう / NE Other:	RECEIV. AND
Upstream: いたまち NE Other: Downstream: ちゅう SV	Tables along
Upstream: こちゃり ME Other: Downstream: ちゅう Sン Feature Bed: こちゃり	
Upstream: こちまち NE Other: Downstream: ちゅう S ン Feature Bed: こちまち Culvert / Bridge: 「たお	
Upstream: たちり WE Other: Downstream: ちゅう S ン Feature Bed: ちもら Culvert / Bridge: たもう Vegetation:	
Upstream: 585 NE Other: Downstream: 589 SV Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 588 NE	
Upstream: 555 NE Other: Downstream: 559 SV Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 588 NE Additional Characteristics	
Upstream: 585 WE Other: Downstream: 589 SV Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 585 VE	
Upstream: 555 WE Other: Downstream: 559 SW Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 588 WE Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature:	
Upstream: 585 WE Other: Downstream: 589 SV Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 588 VE Additional Characteristics	
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Upstream: 55	
Upstream: 55	
Upstream: 555 WE Other: Downstream: 579 SW Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 58 WE Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Describe Sedage Areas / Springs / Evidence of High Water Table in or near Feature:	
Upstream: 599 SV Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 58 VE Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location): Describe Areas / Springs / Evidence of High Water Table in or near Feature:	
Upstream: 585 WE Other: Downstream: 589 SW Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 58 WE Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Describe Debris and / or Leaf Litter in Feature (type, amount, location): Describe Debris and / or Leaf Litter in Feature (type, amount, location): Describe Debris and / or Leaf Litter in Feature (type, amount, location): One of the state of High Water Table in or near Feature: New Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, o	
Upstream: 585 //E Other: Downstream: 589 SV Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 58 VE Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Describe Debris and / or Leaf Litter in Feature (type, amount, location): Oen Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, o (Circle any present)	or Aquatic Insect Larvae in or near Feature
Upstream: 599 SV Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 50 VL Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Describe Debris and / or Leaf Litter in Feature (type, amount, location): One of the second of High Water Table in or near Feature: Now Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or (Circle any present) Water Body Determination Water Body?	or Aquatic Insect Larvae in or near Feature □ No □ Additional evidence required
Upstream: 555 N/E Other: Downstream: 559 SV Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 588 N/E Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location): Describe Debris and / or Leaf Litter in Feature (type,amount, location): Describe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and / or Leaf Litter in Feature (type,amount, location): Oescribe Debris and	or Aquatic Insect Larvae in or near Feature
Upstream: 555 WE Other: Downstream: 599 SW Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 588 WE Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Describe Debris and / or Leaf Litter in Feature (type, amount, location): Open Seepage Areas / Springs / Evidence of High Water Table in or near Feature: Noc. Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, o (Circle any present) Water Body Determination Flow Regime: Permanent Evidence of Water Body Status:	or Aquatic Insect Larvae in or near Feature □ No □ Additional evidence required
Upstream: 535 NE Other: Downstream: 539 SV Feature Bed: 586 Culvert / Bridge: 587 Vegetation: Landscape Photo: 526 NE Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Describe Debris and / or Leaf Litter in Feature (type, amount, location): Describe Debris and / or Leaf Litter in Feature (type, amount, location): October 1 Septimes	or Aquatic Insect Larvae in or near Feature □ No □ Additional evidence required

NATURAL RESOURCE SOLUTIONS INC. Aquatic, Terrestrial and Wetland Biologists

Feature Name: Unnowned Dv Easting: 0397123 Upstream: 150 Drainage System: South west Low The area Northing: 4700383 Downstream: 150 Location in System: Colors ST Andres Water Body No. Channel Characteristics and Morphology N A Lake Pond Man-made pond Online/Offline Straight Meandering (H/M/L Sinuosity): Defined Poorly Defined Standing Water Low Flow / Baseflow Moderate Flow High / Flood Flow Freshet Flow Channel 1263 Dv Avg. Wetted Width (m): 2.5 Avg. Water Depth (m): O. 2.5 Morphology No. Water Body No. Water Body No. Water Body No. Water Body No. Man-made pond Online/Offline Poorly Defined Poorly Defined High / Flood Flow Avg. Wetted Width (m): 0.25	Temp (°C), Wind, Cloud Cover (%), Precipitation: ②, つっしい Precipitation in Prior 48hrs (mm): 八っしい GPS Location Estimated Length Assessed Easting: ②39テロステ Upstream: ロール	Time Started: 173.5 Temp (°C), Wind, Cloud Cover (%), Precipitation: Q, Q°, Y, W, 1007, Ø Time Finished: 173.5 Precipitation in Prior 48hrs (mm): No Noto Site Code: S WL T O 40 GPS Location Estimated Length Assessed Feature Name: Uniquined D/ Easting: 0397123 Upstream: 150 Drainage System: South West Water Northing: 4700383 Downstream: 150 Location in System: Clon. ST Andres Water Body No. DOWNstream: 150 Channel Characteristics and Morphology N / A	Time Started: 143.5 Temp (°C), Wind, Cloud Cover (%), Precipitation: ②, ② リカル・100% め
Time Started: 173 5	Precipitation in Prior 48hrs (mm):	Time Started: 173.5 Temp (°C), Wind, Cloud Cover (%), Precipitation: Q, Q°, Y, W, 1007, Ø Time Finished: 173.5 Precipitation in Prior 48hrs (mm): No Noto Site Code: S WL T O 40 GPS Location Estimated Length Assessed Feature Name: Uniquined D/ Easting: 0397123 Upstream: 150 Drainage System: South West Water Northing: 4700383 Downstream: 150 Location in System: Clon. ST Andres Water Body No. DOWNstream: 150 Channel Characteristics and Morphology N / A	Time Started: 1725 Temp (°C), Wind, Cloud Cover (%), Precipitation: Q, 2°, 4NW, 100% Ø
Time Finished: 173 5 Precipitation in Prior 48hrs (mm): 100 000 Site Code: SWLTOHO GPS Location Estimated Length Assessed Feature Name: Unnormed Dv Easting: 0397127 Upstream: 150 Downstream:	Precipitation in Prior 48hrs (mm):	Time Finished: 173 5 Precipitation in Prior 48hrs (mm): No do to Site Code: S WL T O 40 GPS Location Estimated Length Assessed Feature Name: Unnamed Dr Easting: 0397123 Upstream: 150 Drainage System: Sorth west Low Thomas Northing: 4700383 Downstream: 150 Location in System: Colors ST Andres Low Water Body No. ST Andres Low Water Body No. Straight	
Site Code: SWLT 0 40 GPS Location Estimated Length Assessed Feature Name: Unnormed Dv Easting: 0397123 Upstream: 150 Downstream: 150 Downstre	Comparison Estimated Length Assessed	Site Code: S WLT 040 GPS Location Estimated Length Assessed Feature Name: Unnamed Dr Easting: 0397127 Upstream: 150 Drainage System: Sorth west Low Thomas Northing: 4700383 Downstream: 150 Location in System: Colors ST Andres L Water Body No. Downstream: 150 Channel Characteristics and Morphology A / A Lake Pond Man-made pond Online/Offline Straight Meandering (H/M/L Sinuosity): Defined Poorly Defined Standing Water Low Flow / Baseflow Moderate Flow High / Flood Flow	Time Finished: 173 5 Precipitation in Prior 48hrs (mm): No doto
Feature Name: Unnomed Dr Easting: 0397122 Upstream: 150	Easting: 0397127 Upstream: 150 More Northing: 4700383 Downstream: 150 More Water Body No. Water	Easting: 0397123 Upstream: 150	Site Code: SWLTの40 GPS Location Estimated Length Assessed
Drainage System: Softh west Low Ih wince Northing: 4700 \$33 Downstream: 150 Location in System: Colons St. Andres Location in System: Colons St. Andres Location in System: Colons St. Andres Location in System: Water Body No. Channel Characteristics and Morphology	Downstream: 150 Downstrea	Drainage System: South west Low Ih wince Northing: 4700 \$80 Downstream: 150 Location in System: Colons ST Andres Water Body No. ★ Water Body No	Facting: O(0) 21.27 Unstream: Instream:
Location in System: Claracteristics and Morphology	Water Body No. ology N / A □ Lake □ Pond □ Man-made pond Online/Offline Meandering (H/M/L Sinuosity): □ Defined □ Poorly Defined Low Flow / Baseflow □ Moderate Flow □ High / Flood Flow Ized □ Avg. Water Depth (m): ○ ಎ.ई Max Pool Depth (m): ○ ఎ.5	Location in System: Claracteristics and Morphology	Drainage System: S. H. and Jan. Butter Northing: 4700>9) Downstream: 470
Channel Characteristics and Morphology Image: Characteristics and Mo	ology	Channel Characteristics and Morphology ☐ Lake Pond ☐ Man-made pond Online/Offline ☐ Straight ☐ Meandering (H/M/L Sinuosity): ☐ Defined ☐ Poorly Defined ☐ Standing Water ☐ Low Flow / Baseflow ☐ Moderate Flow ☐ High / Flood Flow	Location in System: Calm ST Andres to Water Body No. 40
Straight	Meandering (H/M/L Sinuosity): □ Defined □ Poorly Defined Low Flow / Baseflow □ Moderate Flow □ High / Flood Flow / Ized □ Avg. Water Depth (m): ひょうが Max Pool Depth (m): ひょう	☑ Straight ☐ Meandering (H/M/L Sinuosity): ☑ Defined ☐ Poorly Defined ☐ Standing Water ☐ Low Flow / Baseflow ☐ Moderate Flow ☐ High / Flood Flow	Channel Characteristics and Morphology 🔥 🔲 Lake 🔲 Pond 🔲 Man-made pond Online/Offline
□ Standing Water □ Low Flow / Baseflow □ Moderate Flow □ High / Flood Flo □ Freshet Flow Chang / เรอง Dv Avg. Wetted Width (m): ว.5 Avg. Water Depth (m): ひ-ลิร์ Max Pool Depth (m): ひลิร์	Low Flow / Baseflow	☐ Standing Water ☐ Low Flow / Baseflow ☐ Moderate Flow ☐ High / Flood Flow	Straight
☑ Freshet Flow Channe Ized Ør Avg. Wetted Width (m): ⊋.5 Avg. Water Depth (m): O-&€ Max Pool Depth (m): O-& €	Ized - Dr Avg. Water Depth (m): ા અર્જ - Max Pool Depth (m): ૦૩૬	Te Froshot Flow	☐ Standing Water ☐ Low Flow / Baseflow ☐ Moderate Flow ☐ High / Flood Flow
Avg. Wetted Width (m): ১, ট্ Avg. Water Depth (m): ০ এর Max Pool Depth (m): ৩এর	Avg. Water Depth (m): Oak Max Pool Depth (m): Oak	Fresherriow Chanplises Dr	Freshet Flow Channel Ized Dr
		Avg. Wetted Width (m): كَيْ إِنَّ Avg. Water Depth (m): ﴿ وَمُعَجِّ السَّاعِينَ الْمُعَالِقِينَ الْمُعَالِقِينَ الْمُعَالِقِينَ الْمُعَالِقِينَ اللَّهِ اللَّالِي اللَّهِ الللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّهِ الللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّهِ الللَّهِ اللَّهِ الللَّهِ الللَّهِ اللَّهِ اللَّهِ الللَّهِ الللَّهِ اللَّهِ اللللَّهِ الللَّهِ اللَّهِ اللَّهِ الللَّهِ الللَّهِ الللَّهِ الللَّاللَّهِ اللَّهِ الللَّهِ الللَّهِ الللَّهِ الللَّهِ الللَّهِ اللللَّهِ الللَّهِ الللَّهِ الللَّهِ الللَّهِ الللَّهِ الللَّهِ اللللَّهِ الللَّهِ الللَّهِ الللَّهِ الللللَّمِلْ الللَّالِي الللَّل	Avg. Wetted Width (m): ್ರೈರ್ Avg. Water Depth (m): ್ರಿಷ್ Max Pool Depth (m): ರಿಷ್
Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 〇3	Avg. Bankruli Depth (m): 075	AND THE PROPERTY OF THE PROPER	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0 3
Substrate Composition (%) Boulder: Cobble: Gravel: Fines: 🐷		Avg. Bankfull Width (m): 약전 Avg. Bankfull Depth (m): 이 45	Substrate Composition (%) Boulder: Cobble: Gravel: Fines: 🐷
Bed Morphology (%) Flat: 60 Riffle: Run: Pool:		Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: Cobble: Gravel: Fines: 🕬	Bed Morphology (%) Flat: wo Riffle: Run: Pool:
Bank Slope & Stability: Moderate Slape Low Stability. Feature Gradient (H/M/D): LOW	lat: ພວ Riffle: Run: Pool:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: Cobble: Gravel: Fines: 🕬 Bed Morphology (%) Flat: 🐯 Riffle: Run: Pool:	Bank Slope & Stability: Modernto Slope Low Stability. Feature Gradient (H/M/D): LOW
Other Comments: Channelized dr = Signs of Choson	lat: ເວດ Riffle: Run: Pool:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: — Cobble: — Gravel: — Fines: ம Bed Morphology (%) Flat: ம் Riffle: — Run: Pool: —	Other Comments: Channelized dr = Signs of Chosen
	lat: ເວດ Riffle: Run: Pool:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: Cobble: Gravel: Fines: 🕬 Bed Morphology (%) Flat: 🐯 Riffle: Run: Pool:	
	lat: ເວດ Riffle: Run: Pool:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: — Cobble: — Gravel: — Fines: ம Bed Morphology (%) Flat: ம் Riffle: — Run: Pool: —	
Instream Aquatic Habitat	lat: ເວດ Riffle: Run: Pool:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: Cobble: Gravel: Fines: 100 Bed Morphology (%) Flat: 100 Riffle: Run: Pool: Bank Slope & Stability: 100 dem to Slope to Stability Feature Gradient (H/M/D): 1000 Other Comments: Channelized de Signs of Gussen	Instream Aquatic Habitat
Features (e.g. woody debris, undercut banks): Over hanging bank very	lat: 100 Riffle: Run: Pool: Stope to St-bilty Feature Gradient (H/M/D): LCW LV = Stops of Croson	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-5 Substrate Composition (%) Boulder: Cobble: Gravel: Fines: 100 Bed Morphology (%) Flat: 100 Riffle: Run: Pool: Bank Slope & Stability: 100 dem to Slope to Stability: Feature Gradient (H/M/D): 100 Other Comments: Channelized do Stability: 100 dem to St	Features (e.g. woody debris, undercut banks): Over hanging back veg
Vegetation (with % dominant): patches of water coss (10%)	lat: 100 Riffle: Run: Pool: Slope Low St-bilty Feature Gradient (H/M/D): LOW dx = Signs of Choson banks): Over honging book Ver	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-5 Substrate Composition (%) Boulder: Cobble: Gravel: Fines: 100 Bed Morphology (%) Flat: 100 Riffle: Run: Pool: Bank Slope & Stability: Indigente Slope Low St-bility Feature Gradient (H/M/D): Low Other Comments: Channel and depth of Pools of Po	Vegetation (with % dominant): patches of water coss (100%)
Surface Water Quality	lat: 100 Riffle: Run: Pool: Slope Low St-bilty Feature Gradient (H/M/D): LOW dx = Signs of Choson banks): Over honging book Ver	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-5 Substrate Composition (%) Boulder: Cobble: Gravel: Fines: 100 Bed Morphology (%) Flat: 100 Riffle: Run: Pool: Bank Slope & Stability: 100 departor Slope 100 Stability: Feature Gradient (H/M/D): 1000 Other Comments: Channelized dx 5 Slops of 2005 on Instream Aquatic Habitat Features (e.g. woody debris, undercut banks): Over hanging bout 1000 departor (1000 departor) Vegetation (with % dominant): part chass of worker cores (1000 departor)	Surface Water Quality
Temp (°C): } Turbidity (QM/H): Low Colour: green Comments:	lat: 100 Riffle: — Run: Pool: Slope Low Stability: Feature Gradient (H/M/D): LOW dx = Signs of Oroson banks): Over honging bank (M/M/D): thes of water cross (100%)	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: Cobble: Gravel: Fines: 100 Bed Morphology (%) Flat: 100 Riffle: Run: Pool: Bank Slope & Stability: Indigente Slope Low Stability: Feature Gradient (H/M/D): 100 Other Comments: Channelized do Slops of Pools on Instream Aquatic Habitat Features (e.g. woody debris, undercut banks): Over hanging bank Vegetation (with % dominant): Patches of Water cass (1002) Surface Water Quality	Temp (°C): } Turbidity (QM/H): Low Colour: 9-cen Comments:
Rinarian Hahitat	lat: 100 Riffle: — Run: Pool: Slope Low Stability: Feature Gradient (H/M/D): LOW dx = Signs of Oroson banks): Over honging bank (M/M/D): thes of water cross (100%)	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: — Cobble: — Gravel: — Fines: 100 Bed Morphology (%) Flat: 100 Riffle: — Run: — Pool: — Bank Slope & Stability: 100 depth of Slope to Slope	Rinarian Habitat
	lat: 100 Riffle: — Run: Pool: Stope Low Stability: Feature Gradient (H/M/D): Low dx = Signs of Choson banks): Over honging bank 1200 thes of water cross (100%) W/H): Ow Colour: green Comments:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: — Cobble: — Gravel: — Fines: 100 Bed Morphology (%) Flat: 100 Riffle: — Run: — Pool: — Bank Slope & Stability: **Moderate Slope 100 Stability: **Moderate Slope 100 Stability: **Accessed of Pooling 100 Stability:	Vegetation: T.Grassa / Harsetail Sp
Vegetation: [Juvassa / Lorseta: Sp	lat: 100 Riffle: — Run: Pool: Stope Low Stability: Feature Gradient (H/M/D): Low dx = Signs of Choson banks): Over honging bank 1200 thes of water cross (100%) W/H): Ow Colour: green Comments:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: — Cobble: — Gravel: — Fines: 100 Bed Morphology (%) Flat: 100 Riffle: — Run: — Pool: — Bank Slope & Stability: **Moderate Slope 100 Stability: **Moderate Slope 100 Stability: **Accessed of Pooling 100 Stability:	Canopy Cover (% and species): 🛇
Vegetation:	lat: 100 Riffle: Run: Pool: Stope Low Stability: Feature Gradient (H/M/D): Low dx = Stops of Owson banks): Over honging banks thes of water eves (100%) W/H): Ow Colour: given Comments:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-5 Substrate Composition (%) Boulder: — Cobble: — Gravel: — Fines: 100 Bed Morphology (%) Flat: 100 Riffle: — Run: — Pool: — Pool: — Bank Slope & Stability: 100 depth 100 Stability: 100 Sta	Adjacent Land Use:
Adjacent Land Use:	lat: 100 Riffle: Run: Pool: Stope Low Stability Feature Gradient (H/M/D): Low dx = Signs of Owson banks): over hanging bank sches of water curs (100%) W/H): ow Colour: green Comments:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: — Cobble: — Gravel: — Fines: Lee Bed Morphology (%) Flat: Loo Riffle: — Run: — Pool: — Bank Slope & Stability: Indicate the Stage Low Stability: Feature Gradient (H/M/D): Low Other Comments: Channelized de Signs of Poolin Instream Aquatic Habitat Features (e.g. woody debris, undercut banks): Over hanging bank Vegetation (with % dominant): Post chas of water cass (Low) Surface Water Quality Temp (°C): } Turbidity (DM/H): Low Colour: Green Comments: — Riparian Habitat Vegetation: T. Grasson Horseta: Sp. Canopy Cover (% and species): Adjacent Land Use:	General Comments (Fish observed, unusual conditions, culvert/bridge description, groundwater indicators and description)
Adjacent Land Use: General Comments (Fish observed, unusual conditions, culvert/bridge description, groundwater indicators and description)	lat: 100 Riffle: — Run: — Pool:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Depth (m): 0-3 Substrate Composition (%) Boulder: Cobble: Gravel: Fines: 120 Bed Morphology (%) Flat: 100 Riffle: Run: Pool: Bank Slope & Stability: 100 depth Slope to Sholdty. Feature Gradient (H/M/D): 1000 Other Comments: Channels: Slope to Sholdty. Feature Gradient (H/M/D): 1000 Instream Aquatic Habitat Features (e.g. woody debris, undercut banks): Over hearing bank V22 Vegetation (with % dominant): Port ches of water coss (1002): Surface Water Quality Temp (°C): Turbidity (DM/H): 1000 Colour: 1000 Comments: Riparian Habitat Vegetation: Turbidity (DM/H): 1000 Colour: 1000 Comments: Riparian Habitat Vegetation: Turbidity (DM/H): 1000 Colour: 1000 Comments: Com	1/0 tish abs
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Adjacent Land Use: Ad- General Comments (Fish observed, unusual conditions, culvert/bridge description, groundwater indicators and description) No Fish	lat. (oo Riffle:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Width (m): 4-0 Boulder: Cobble: Gravel: Fines: [ar] Boulder: Cobble: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Run: Run: Pool: Run: Run: Pool: Run: Run: Run: Run: Run: Run: Run: Run	Photographs No. Direction Description No. Direction Description Upstream: 55 - Other: Downstream: 56 - Other: Culvert Bridge: 7 - Culvert Bridge: - Cul
Adjacent Land Use: At- General Comments (Fish observed, unusual conditions, culvert/bridge description, groundwater indicators and description) No Fish obs Channelized dv v faths what series Photographs No. Direction Description No. Direction Description Upstream: 55 - Other: Downstream: 56 Feature Bed: 57 Culvert Bridge: Vegetation: - Landscape Photo: 5 Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature: Vater cress Attached Attaga, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or Aquatic Insect Larvae in or near Feature (Circle any Present) No. Additional evidence require Water Body Determination Water Body Determination Water Body? Yes No. Additional evidence require	lat. (oo Riffle:	Avg. Bankfull Width (m): 4-0 Avg. Bankfull Width (m): 4-0 Boulder: Cobble: Gravel: Fines: [ar] Boulder: Cobble: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Flat too Riffle: Run: Pool: Bank Slope & Stability: Run: Run: Pool: Run: Run: Pool: Run: Run: Run: Run: Run: Run: Run: Run	Photographs No. Direction Description No. Direction Description Upstream: 55 - Other: Downstream: 56 Other: Culvert / Bridge: 7 Culvert / Bridge:
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☑ Freshet Flow Channe lized Or Avg. Wetted Width (m): ឯ.5 Avg. Water Depth (m): Or Aris Max Pool Depth (m): Or Aris	lized Dr Avg. Water Depth (m): ા છે.એક Max Pool Depth (m): ા છે.એક	☐ Standing Water ☐ Low Flow / Baseflow ☐ Moderate Flow ☐ High / Flood Flow	Straight
Straight	Meandering (H/M/L Sinuosity): □ Defined □ Poorly Defined Low Flow / Baseflow □ Moderate Flow □ High / Flood Flow / Ized □ Avg. Water Depth (m): ひょうが Max Pool Depth (m): ひょう	☑ Straight ☐ Meandering (H/M/L Sinuosity): ☑ Defined ☐ Poorly Defined ☐ Standing Water ☐ Low Flow / Baseflow ☐ Moderate Flow ☐ High / Flood Flow	Channel Characteristics and Morphology 🔥 🔲 Lake 🔲 Pond 🔲 Man-made pond Online/Offline
Channel Characteristics and Morphology N / A □ Lake □ Pond □ Man-made pond Online/Offline □ Straight □ Meandering (H/M/L Sinuosity): □ Defined □ Poorly Defined □ Standing Water □ Low Flow / Baseflow □ Moderate Flow □ High / Flood Flow □ Freshet Flow □ Channe/Ized □ Avg. Wetted Width (m): 2.5 Avg. Water Depth (m): O- 2.5 Max Pool Depth (m): O 2.5	ology	Channel Characteristics and Morphology □ / A □ Lake □ Pond □ Man-made pond Online/Offline □ Straight □ Meandering (H/M/L Sinuosity): □ Defined □ Poorly Defined □ Standing Water □ Low Flow / Baseflow □ Moderate Flow □ High / Flood Flow	Location in System: Calor ST Andres to Water Body No. 1 70
Location in System: Claracteristics and Morphology	Notors Water Body No. ology N / A Lake Pond Man-made pond Online/Offline Meandering (H/M/L Sinuosity): ✓ Defined Poorly Defined Low Flow / Baseflow Moderate Flow High / Flood Flow Item No Avg. Water Depth (m): O-2.5. Max Pool Depth (m): O.2.5	Location in System: Column of the colum	Drainage System: S. M. and J. M. Marthing: 4700.593 Downstream: 470
Drainage System: South west Low There Northing: 4700383 Downstream: 1500 Location in System: Colons St Andres Low Water Body No. Channel Characteristics and Morphology N N □ Lake □ Pond □ Man-made pond Online/Offline Straight □ Meandering (H/M/L Sinuosity): □ Defined □ Poorly Defined □ Standing Water □ Low Flow / Baseflow □ Moderate Flow □ High / Flood Flo □ Freshet Flow Channe / Ized Or Avg. Wetted Width (m): 2.5 Avg. Water Depth (m): O-2.5	Downstream: 150 Downstrea	Drainage System: South west Low Them. Northing: 4700383 Downstream: 150 Location in System: Clorus ST Andres Water Body No. ST Andres Water Body	Facture Name: Dr. Facting: (2)07127 Unstream: Name:
Feature Name: Unnormed Dr Easting: 0397127 Upstream: 150 Drainage System: Sorth west Loren In demo: Northing: 4700380 Downstream: 150 Location in System: Characteristics and Morphology No. Water Body No. Channel Characteristics and Morphology No. Lake Pond Man-made pond Online/Offline Straight Meandering (H/M/L Sinuosity): Defined Poorly Defined Standing Water Low Flow / Baseflow Moderate Flow High / Flood Flow Freshet Flow Channel 12ed Dr Avg. Wetted Width (m): 2.5 Avg. Water Depth (m): O-25	Easting: 0397122 Upstream: 150	Feature Name: Uniquined Di	CDO L C Fatimeted Length Assessed
Site Code: S WLT O 40 Feature Name: Unnamed Dr Easting: O 39 71 2 Upstream: 150 Drainage System: Sorth west Low There Northing: 4700 383 Downstream: 150 Location in System: Chance ST Andres Low Water Body No. Channel Characteristics and Morphology N / Lake Pond Man-made pond Online/Offline Straight Meandering (H/M/L Sinuosity): Pofined Poorly Defined Standing Water Low Flow / Baseflow Moderate Flow High / Flood Flow Freshet Flow Channel (12e) Dr Avg. Wetted Width (m): 2.5 Avg. Water Depth (m): O-3.5 Max Pool Depth (m): O-3.5	Comparison Estimated Length Assessed	Site Code: S WL T O 40 GPS Location Estimated Length Assessed	Time Finished: Precinitation in Prior 48hrs (mm): 12 2016
Time Finished: 173 5 Precipitation in Prior 48hrs (mm): 100 000 000 000 000 000 000 000 000 00	Precipitation in Prior 48hrs (mm):	Time Finished: 173 5 Precipitation in Prior 48hrs (mm): 100 000 000 000 000 000 000 000 000 00	Time dianed. 1705 Temp (5), willing cloud cover (70), 1 confidence. 2, 2 7,000 , 100 /. (2)
Time Started: 173 5	Temp (°C), Wind, Cloud Cover (%), Precipitation: ②, つっ、ロット Precipitation in Prior 48hrs (mm): 八ら さらら GPS Location Estimated Length Assessed Easting: ②39テロステ Upstream: ロット Upstream: ロット Water Body No. ロット	Time Started: 173.5 Temp (°C), Wind, Cloud Cover (%), Precipitation: Q, Q°, 4 NW, 10 0 N Precipitation in Prior 48hrs (mm): No do No Site Code: S WL T 0 40 GPS Location Estimated Length Assessed Feature Name: Uniquined Dv Easting: 0397123 Upstream: 150 Drainage System: South West Wind The American Northing: 4700383 Downstream: 150 Location in System: Clon. ST Andres Water Body No. Water Body No. Channel Characteristics and Morphology N A Lake Pond Man-made pond Online/Offline Straight Meandering (H/M/L Sinuosity): Defined Poorly Defined Standing Water Low Flow / Baseflow Moderate Flow High / Flood Flow	Time Started: 1725 Temp (°C), Wind, Cloud Cover (%), Precipitation: Q, 2°, 4NW, 100% Ø
Time Started: 1735	Weather Conditions Temp (°C), Wind, Cloud Cover (%), Precipitation: ②, ②°、「中かり、「クラートリートリートリートリートリートリートリートリートリートリートリートリートリー	Survey Date: 23 APR 15 Weather Conditions Time Started: 173.5 Temp (°C), Wind, Cloud Cover (%), Precipitation: ②, ②° リンツ ロング Time Finished: 173.5 Precipitation in Prior 48hrs (mm): ○ ② ② リンツ 回 Site Code: S WLT ○ 40 GPS Location Estimated Length Assessed Feature Name: Unnamed Dv Easting: ○397123 Upstream: Drainage System: South west with Mark Northing: 4700383 Downstream: 150 Location in System: characteristics and Morphology N A □ Lake □ Pond □ Man-made pond Online/Offline Channel Characteristics and Morphology N A □ Lake □ Pond □ Man-made pond □ Poorly Defined □ Straight □ Meandering (H/M/L Sinuosity): □ Defined □ Poorly Defined □ Standing Water □ Low Flow / Baseflow □ Moderate Flow □ High / Flood Flow	Survey Date: 23 APR 15 Weather Conditions Time Started: 173.5 Temp (°C), Wind, Cloud Cover (%), Precipitation: Q, 2°, 4 NW, 100% &

NATURAL RESOURCE SOLUTIONS INC. Aquatic, Terrestrial and Wetland Biologists

Project (No. & I	Vame):	1612	N Kent		Field	Staff: BEV	3	
Survey Date:	23/1P		7 / 1.1.	er Conditions				
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Time Finished:	1720	***************************************		ation in Prior 48hrs (7. 170.09.1	
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Feature Name:		**********************	>44×××444>+45×448+448+448+448		0396675		Upstream:	
Drainage Syster			7/		1,600990	***************************************	Downstream	
Location in System			Andres		/ No. 7-1			@ 16
Channel Chara						☐ Man-made	e pond	Online/Offline
Straight	***************		Meanderin	ng (H/M/L Sinuosity):		Defined		Poorly Defined
☐ Standing V	Vater		Low Flow	/ Baseflow		Moderate Flo	************************	High / Flood Flow
Freshet Flo	ow	*:*:*:	1.701			***************************************	***************************************	***************************************
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Avg. Bankfull W	idth (m):	4.0	Avg.	Bankfull Depth (m):			*************************	>>+4X3+>+4X3+4(2+(ETY+4X2++4X)++4X3++44X2+44X2++4X3++4X3++4X3++4X3++4X
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Bed Morphology			Flat: ເບອ	Riffle:		ın: —	Pool:	**************************************
Bank Slope & St		Moderat	e Slope	Hlyh Stabila	y Fe	eature Gradie	nt (H/IVI/L): -	
Other Comment	S:	************************			\$#####################################	***************************************		~;************************************
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Vegetation (with	% domir	ant):	Lu evece	(60°2)		>>+442++18>++418++488++488++488++488	***************************************	***************************************
Surface Water	Quality	idiit).	T. (***************************************	,	***********************************	
Temp (°C):		Turbidity (L/	(M)/H): M∠NI	M Colour: Bom	Co	omments: 🔍	***************************************	**************************************
Riparian Habita	nt		On the Charle		es de la companya de	3. 5. 2 		
	1.6m	5<05	**************************			***************************************	*************************	***************************************
Canopy Cover (% and so	ecies): (X	***************************************	*****************************	33 5 5 8 8 7 7 5 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	49-944393443934433344433444334443	**************************************
Adjacent Land U		A6		***************************************		***************************************		
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/Vo Chamelez	Fish ob	. V. ()1 hq v	rutu Crem thm		*******************************	***************************************	
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Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge:	No. 51 52 53	Direction NE		on -	ngh Out No.			n
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Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photographs	No. 51 53 53 to: 54 racterist	Direction NE Sw NE	Description	Othe	ngh Out No.			n
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photographs	No. 51 53 53 to: 54 racterist	Direction NE Sw NE	Description	on -	ngh Out No.			n
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NATURAL RESOURCE SOLUTIONS INC. Aquatic, Terrestrial and Wetland Biologists

Project (No. & Name	1: 1612 N.	kent .		Field Staff:	REB	
Survey Date: み3 A	PR 15	Weather (Conditions	***************************************		
Time Started: 165		Temp (°C)	, Wind, Cloud Cove	er (%), Precipitation: 🤅	2.2°, 414, 100%, 6	
Time Finished: 170	5	Precipitati	on in Prior 48hrs (n	nm): No dosta		
Site Code:	SWLTO38	***************************************	GPS Locati	**********************	Estimated Length Assesse	d
Feature Name: Unn.	rnd Diz	***************************************	Easting:	0396439	Upstream: 🎉	
Drainage System:	South west	Low Thans	Northing:	4699791	Downstream: 50	
Location in System:	At St Garage	des La		No. 172		
Channel Characteris	tics and Morp				made pond Online/Offline	*********
☑ Straight		☐ Meandering (H/M/L Sinuosity):	☑ Defined		
☐ Standing Water	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Low Flow / B	aseflow	☐ Moderat	te Flow 🔲 High / Flood F	low
	Chunneliz	ed VS			D 15 (1/4-) > 15	
Avg. Wetted Width (m): a.5		ater Depth (m):		ax Pool Depth (m): いん	*********
Avg. Bankfull Width (r	n):	Avg. Ba	nkfull Depth (m)	0-5	o Fines: ५0	**********
Substrate Composition	7 (%)	Boulder: -	Cobble: 🐧	५० Gravel: à Run: <i>}</i> ०	Pool:	**********
Bed Morphology (%)					radient (H/M/L): Low	
Bank Slope & Stability Other Comments:		.he		T Catalo Oi	aucit (11771), E-044	**********
Curci Comments.	handied	/ 	***************************************			
		48798488994889944799447899488994899448		ZX0+CZX3+CXZ9+66Z#3+C4894442##\$ZXP++CXZ#9+CZXP10ZXJ+CXZ9+10.		***********
Instream Aquatic Ha	bitat					
Features (e.g. woody	debris, underci	ut banks): 🛮 🕰	nse cultul	lobois and ov	er hanging bank Vey	***********
Vegetation (with % do	minant): 💪	Had SO 150'	W) Water	Cno C507N	er hanging bank Vey	
Surface Water Qualit	v	4				
Temp (°C):	Turbidity (C	JM/H): LOW	Colour: Clove	Comments	150(123))	
Riparian Habitat	<u> </u>					
Vegetation:	Grussa -	D. Show15	ø	4.		******
Canopy Cover (% and	l species);	60% CTre	,, - N/s		***************************************	**********
Adjacent Land Use:	AG/Kesu	dented	* *			
_ L .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(Fish observe	d, unusual cond	tions, culvert/bridg	e description, ground	water indicators and description)
No Fish	(Fish observe		/	**************************************)
No Fish Will definit	(Fish observe		/	**************************************		
No Fish	(Fish observe Obs Channel 120	1 41 2	Syrs of	e description, grounds		
No Fish vall definit roud (1050) 465 m Obe	(Fish observer Obs Channelize The Colon	dr E	/	bount Stillez	ntion near)
No Fish Will definit Fond Crosse 14.5 m Ope Photographs No	(Fish observed) Changlize Chang	1 41 2	Syr; of	bank Stablez	ntion near)
Well defined cosses to the property of the pro	(Fish observed) Chamelize Chame	dr E	Syrs of	bank Stablez	ntion near	
Photographs No Upstream: 46	(Fish observed) Changlize Chang	dr E	Syr; of	bank Stablez	ntion near)
Photographs No Upstream: 46 Feature Bed: 47	(Fish observed) Chamelize Chame	dr E	Syr; of	bank Stablez	ntion near)
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48	(Fish observed) Chamelize Chame	dr E	Syr; of	bank Stablez	ntion near	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 43	(Fish observed) Obs. Changelize Direction WE	dr E	Syr; of	bank Stablez	ntion near)
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 60	(Fish observed) Obs. Chambelize Direction WE WE	dr E	Syr; of	bank Stablez	ntion near)
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Additional Character	(Fish observed observ	Description	Syns of Oille Other	bank Stablez	ntion near	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 60 Additional Character Describe Bed Materia	(Fish observed observ	Description ditions in and arc	Other	No. Direction	ntion near	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 60 Additional Character Describe Bed Materia	(Fish observed observ	Description ditions in and arc	Other	No. Direction	ntion near	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Additional Character	(Fish observed observ	Description ditions in and arc	Other	No. Direction	ntion near	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 60 Additional Character Describe Bed Materia	(Fish observed) Chambelize C	Description ditions in and arc	Other	No. Direction	ntion near)
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 43 Landscape Photo: 50 Additional Character Describe Bed Materia Describe Sediment Sedim	(Fish observed) Chamelize Chame	Description ditions in and arcure and on Floor	Other ound Feature:	No. Direction	ntion near	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 60 Additional Character Describe Bed Materia Presence of Hydric So Describe Debris and /	(Fish observed) Chambelize C	Description ditions in and arcure and on Floor	Other Other Dund Feature: dplain - Recent / H amount, location):	No. Direction	ntion near	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 60 Additional Character Describe Bed Materia Describe Sediment Describe Sediment Describe Sediment Describe Debris and /	Chamble 20	Description ditions in and arc ure and on Floor n Feature (type,	Other Ound Feature: Iplain - Recent / Hi amount, location):	No. Direction	ntion near	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 60 Additional Character Describe Bed Materia Describe Sediment Describe Sediment Describe Debris and / 10 10 10 10 10 10 10 10 10 10 10 10 10	(Fish observed of the color of	Description ditions in and arc ure and on Floor n Feature (type,	Other Ound Feature: Iplain - Recent / Hi amount, location):	No. Direction	ntion near	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 50 Additional Character Describe Bed Materia Describe Sediment Describe Sediment Describe Sediment Describe Debris and /	(Fish observed of the color of	Description Description ditions in and arc ure and on Flood n Feature (type, of High Water T	Other Ound Feature: Iplain - Recent / H amount, location): Tren : 19:5 Table in or near Fe	No. Direction	on Description	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 50 Additional Character Describe Bed Materia Describe Sediment Describe Sediment Describe Sediment Describe Sediment Describe Sediment Describe Describe Describe Sediment Describe Describe Sediment Describe Describe Sediment Describe Describe Describe Sediment Describe Describe Describe Sediment Describe Describe Describe Sediment Describe Describe Sediment Describe Describe Describe Describe Sediment Describe Describe Describe Sediment Describe Describe Describe Sediment Describe Describe Sediment Desc	(Fish observed of the color of	Description Description ditions in and arc ure and on Flood n Feature (type, of High Water T	Other Ound Feature: Iplain - Recent / H amount, location): Tren : 19:5 Table in or near Fe	No. Direction	ntion near	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 43 Landscape Photo: 50 Additional Character Describe Bed Materia Describe Sediment Describe Sediment Describe Debris and / 10 ense Constant Character Describe Debris and / 10 ense Constant Character Describe Sediment Describe Sediment Describe Debris and / 10 ense Constant Character Describe Debris and / 10 ense Constant Character Describe Debris and / 10 ense Constant Character Seepage Areas / Spring Constant Character Algae, Clam (Circle any present)	(Fish observed) Chambelize C	Description Description ditions in and arc ure and on Flood n Feature (type, and and and arc of High Water Tells, Crayfish Chi	Other Other Ound Feature: dplain - Recent / H amount, location): free glass Table in or near Fe	No. Direction Storic: ature: ons, or Aquatic Insection	Description Larvae in or near Feature	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 50 Additional Character Describe Bed Materia Describe Sediment De Presence of Hydric So Describe Debris and / 10 10 10 10 10 10 10 10 10 10 10 10 10 1	(Fish observed) Chambelize C	Description Description ditions in and arc ure and on Flood n Feature (type, cof High Water Tells, Crayfish Chi	Other Ot	No. Direction Storic: ature: ons, or Aquatic Insection No. Direction No. Dir	on Description t Larvae in or near Feature ☐ Additional evidence requ	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 60 Additional Character Describe Bed Materia Describe Sediment Describe Debris and / 1000 Construction of the construction of th	(Fish observed Change I 22 Cha	Description Description ditions in and arc ure and on Flood n Feature (type, cof High Water Tells, Crayfish Chi	Other Other Ound Feature: dplain - Recent / H amount, location): free glass Table in or near Fe	No. Direction Storic: ature: ons, or Aquatic Insection	on Description t Larvae in or near Feature ☐ Additional evidence requ	
Photographs No Upstream: 46 Feature Bed: 47 Culvert / Bridge: 48 Vegetation: 49 Landscape Photo: 60 Additional Character Describe Bed Materia Describe Sediment De Presence of Hydric So Describe Debris and / Describe Debris and / Onnse Co Seepage Areas / Spri Water Body Determine	(Fish observed Change I 22 Cha	Description Description ditions in and arc ure and on Flood n Feature (type, cof High Water Tells, Crayfish Chi	Other Other Ound Feature: Iplain - Recent / Hi amount, location): **Pen	No. Direction No. Direction storic: ature: ons, or Aquatic Insection No. Phemera	on Description t Larvae in or near Feature ☐ Additional evidence requ	

NATURAL RESOURCE SOLUTIONS INC. Aquatic, Terrestrial and Wetland Biologists

Drainet (No. 2. Nama)	161\ A	1 101		Field Staff	BEB	× 1
Project (No. & Name):		Weather Co	nditions			
Survey Date: 33 APA		Tomas (°C\ \\		%) Precipitation	າ: ລີ.ລໍ 😃	NW, 100%, 0
Time Started: 1635 Time Finished: 1650			in Prior 48hrs (mm		$ \sigma \sigma = \tau$	1.7.23.41.2.2.7
Site Code: Svet O	3 >		CDS Location		Estima	ted Length Assessed
Feature Name: Unner		120+42773487734873348733487344873448734	******************	962.99		ream: 50
Drainage System: South	rid Ur	71 c	Northing: 469	1215	**************	nstream: 50
	and the contract of the contra	en werden	Water Body No	o 134		***************************************
Location in System: 🥦	s and Morphole	Day VIV	□ Lake □	Pond \square M	an-made pond	Online/Offline
Chainer Characteristic		/eandering (H/	M// Sinuosity)	☑ Defir	ned	☐ Poorly Defined
☐ Standing Water		ow Flow / Base	eflow	☐ Mode	erate Flow	☐ Poorly Defined☐ High / Flood Flow
Avg. Wetted Width (m): Avg. Bankfull Width (m):	L0	Avg. Wate	er Depth (m): 0.45	4#3+44X#+34XX+444X+4##+6##X+4##########	Max Pool De	pth (m): 6.15
Avg. Bankfull Width (m):	7.6	Avg. Bank	(full Depth (m): 0-7	***************************************	**********************************	
Substrate Composition (%) Bou	ılder: –	Cobble: -	Gravel:		Fines: 100
Substrate Composition (*) Bed Morphology (%)	Flat	: 50	Riffle:	Run:	30	Pool: २०
Bank Slope & Stability:	High Slope	moderate Stal	1144	Feature	Gradient (H/I	MO: LOW
10ther Commonte	•					(0+0493544P+14/2004(EEED042M5348M50414944ADV44ABH54KS04A(K2+4KXY+8AT
Donze patcher of	Catto/1 sp. av	rd over her	ying bank Vig	**************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************
L. L.		Α,				3 3 7 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Instream Aquatic Habit	at		***************************************	***************************************		(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Features (e.g. woody del Vegetation (with % domi	bris, undercut ba	anks): dens.	over hanging	hank vey	==++++x+++++++++++++++++++++++++++++++	
Vegetation (with % domi	nant): 🏻 🗀 🗗 🖽	(100%)	**************************************	4427-4827444	*****************************	***************************************
Surface Water Quality Temp (°C):			·	Comme		***************************************
Temp (°C):	Turbidity (D/M/I	H): LOW C	Colour: Kum	Comme	ents.	the state of the s
I tipulium manara				*******************************	***************************************	CXXI+1ALFFAXXXXLINDOCIXEDEGEEEAAAXEDBAXXFFAAXXXAAAAX+64XXXV-4XXF94XXXX
Vegetation: T.G.	5505 / Do S	Shwb	***************************************	>=====##		
Canopy Cover (% and sp Adjacent Land Use:	pecies): 💢	*******************************	**************************************		*****************************	***************************************
Adjacent Land Use:	A(7	*	l (formal and and	description area	inductor indic	ators and description)
General Comments (F	ısn opserved. u	nusuai conditio	ons, cuivervoriade (ALIGNACE HIGH	atoro arra description)
No Fish well defined						
No Fish well defined.	Channel	i abundaat	Ovov hanging	bank ves		
No Fish well defined by moder !	obs Channel oox Culvert	i abudaa	Over hanging (on cret	bank veg Rubbb		scription
No Fish well defined Lis m open le Photographs No.	Chambel Chambel Ook Culvert Direction	บั abud₁.เ≀ บั Lava Description	Over hanging (On Croti	bank veg Rubbb		
No Fish will defined the modern less modern less than the	Chambel Chambel Ook Culvert Direction	i abudaa	Over hanging (On Croti	bank veg Rubbb		
No Fish well defined List m open it Photographs No. Upstream: 39 Downstream:	Chambel Chambel Ook Culvert Direction	บั abud₁.เ≀ บั Lava Description	Over hanging (On Croti	bank veg Rubbb		
No Fish will defined List m open it Photographs No. Upstream: 39 Downstream: 40 Feature Bed: 41	Chambel Chambel Ook Culvert Direction	บั abud₁.เ≀ บั Lava Description	Over hanging (On Croti	bank veg Rubbb		
No Fish will display	Chambel Chambel Ook Culvert Direction	บั abud₁.เ≀ บั Lava Description	Over hanging (On Croti	bank veg Rubbb		
No Fish will display	Chambel Chambel Ook Culvert Direction	บั abud₁.เ≀ บั Lava Description	Over hanging (On Croti	bank veg Rubbb		
No Fish Pish Additional Characteris	Chambel Chambel Direction E L tics	C Large Description	Over hanging Can Crete Other:	bank veg Rubbb		
No Fish Pish Pish Photographs No. Upstream: 39 Downstream: 40 Feature Bed: 47 Culvert / Bridge: 43 Landscape Photo: 44	Chambel Chambel Direction E L tics	C Large Description	Over hanging Can Crete Other:	bank veg Rubbb		
Photographs No. Upstream: 39 Downstream: 40 Feature Bed: 41 Culvert / Bridge: 43 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a	channel channel channel channel channel channel tics nd Soil Condition	Description	Over hanging Can conte Other: nd Feature:	Rubbb No. Dire		
No Fish Pish Additional Characteris	channel channel channel channel channel channel tics nd Soil Condition	Description	Over hanging Can conte Other: nd Feature:	Rubbb No. Dire		
No Fish	Channel Channel Direction E tics nd Soil Condition osits in Feature	Description	Over hanging Can conte Other: nd Feature:	Rubbb No. Dire		
Photographs No. Upstream: 39 Downstream: 40 Feature Bed: 41 Culvert / Bridge: 43 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a	Channel Channel Direction E tics nd Soil Condition osits in Feature	Description	Over hanging Can conte Other: nd Feature:	Rubbb No. Dire		
Photographs No. Upstream: 39 Downstream: 43 Culvert / Bridge: 42 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a Describe Sediment Depo	Channel Channel Direction E tics nd Soil Condition osits in Feature	Description ons in and arou	Over hanging Con Conte Other: nd Feature: llain - Recent / Hist	Rubbb No. Dire	oction Des	
Photographs No. Upstream: 39 Downstream: 40 Feature Bed: 41 Culvert / Bridge: 42 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a Describe Sediment Dep	channel cha	Description ons in and arou and on Floodp	Over harging Can Creit Other: Ind Feature: Ilain - Recent / Hist	Russia No. Dire	oction Des	
Photographs No. Upstream: 39 Downstream: 40 Feature Bed: 41 Culvert / Bridge: 42 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a Describe Sediment Dep	channel cha	Description ons in and arou and on Floodp	Over harging Can Creit Other: Ind Feature: Ilain - Recent / Hist	Russia No. Dire	oction Des	
Photographs No. Upstream: 39 Downstream: 43 Culvert / Bridge: 42 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a Describe Sediment Deports Seepage Areas / Spring	channel cha	Description ons in and arou and on Floodp	Over harging Can Creit Other: Ind Feature: Ilain - Recent / Hist	Russia No. Dire	oction Des	
Photographs No. Upstream: 39 Downstream: 40 Feature Bed: 41 Culvert / Bridge: 42 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a Describe Sediment Deporation Presence of Hydric Soils Describe Debris and / or Oense partches Seepage Areas / Spring	Direction E tics nd Soil Condition s: Leaf Litter in F of coefficients Sould Condition Co	Description ons in and arou and on Floodp eature (type,ar	Over harging Can Creit Other: Ind Feature: Ilain - Recent / Hist mount, location): ble in or near Feat	Rubbo No. Direction oric:	oction Des	scription
Photographs No. Upstream: 39 Downstream: 43 Culvert / Bridge: 43 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a Describe Sediment Deports Seepage Areas / Spring Attached Algae, Clam o	Direction E tics nd Soil Condition s: Leaf Litter in F of coefficients Sould Condition Co	Description ons in and arou and on Floodp eature (type,ar	Over harging Can Creit Other: Ind Feature: Ilain - Recent / Hist mount, location): ble in or near Feat	Rubbo No. Direction oric:	oction Des	scription
Photographs No. Upstream: 39 Downstream: 40 Feature Bed: 41 Culvert / Bridge: 42 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a Describe Sediment Deports Presence of Hydric Soils Describe Debris and / or Opense Gentches Seepage Areas / Spring Attached Algae, Clam o (Circle any present)	tics nd Soil Condition osits in Feature s: r Leaf Litter in F	Description ons in and arou and on Floodp eature (type, ar High Water Ta	Over harging Con Conte Other: Ind Feature: Ilain - Recent / Hist mount, location): ble in or near Feat	Rubbb No. Directoric:	sect Larvae in	or near Feature
Photographs No. Upstream: 39 Downstream: 40 Feature Bed: 41 Culvert / Bridge: 42 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a Describe Sediment Deports Sediment Deports Sediment Deports Seepage Areas / Spring Attached Algae, Clam of Circle any present) Water Body Determina	tics nd Soil Condition osits in Feature s: r Leaf Litter in F of continues r Mussel Shells,	Description ons in and arou and on Floodp eature (type,ar High Water Ta Crayfish Chim	Over harging Can Creft Other: Ind Feature: Ilain - Recent / Hist Mount, location): ble in or near Feat Inneys or Exoskelton Ody? IVYes	No. Direction of Aquatic In	sect Larvae in	scription
Photographs No. Upstream: 39 Downstream: 40 Feature Bed: 41 Culvert / Bridge: 42 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a Describe Sediment Deporation Depor	Direction F tics In Leaf Litter in F S / Evidence of F T Mussel Shells, I Permanent	Description ons in and arou and on Floodp eature (type,ar High Water Ta Crayfish Chim	Over harging Con Conte Other: Ind Feature: Ilain - Recent / Hist mount, location): ble in or near Feat	Rubbb No. Directoric:	sect Larvae in	or near Feature
Photographs No. Upstream: 39 Downstream: 40 Feature Bed: 41 Culvert / Bridge: 42 Vegetation: 43 Landscape Photo: 44 Additional Characteris Describe Bed Material a Describe Sediment Deports Sediment Deports Sediment Deports Seepage Areas / Spring Attached Algae, Clam of Circle any present) Water Body Determina	Direction F tics In Leaf Litter in F S / Evidence of In Mussel Shells, Ition Ition Status:	Description ons in and arou and on Floodp eature (type,ar High Water Ta Crayfish Chim	Over harging Can Creit Other: Ind Feature: Indain - Recent / Hist Mount, location): Inleys or Exoskelton Indy? If Yes Intermittent	No. Direction of Aquatic In	sect Larvae in	or near Feature

NATURAL RESOURCE SOLUTIONS INC. Aquatic, Terrestrial and Wetland Biologists

Project (No. & Name	e): 1612	N. Kent		Fie	eld Staff: /3e/5	
Survey Date: 23 /	PR 15	Weather 0	Conditions			
Time Started: 150	5	Temp (°C)	. Wind, Cloud Co	ver (%), Pre	cipitation: 1.9° U	WNW 1001. D
Time Finished: 153		Precipitati	on in Prior 48hrs	(mm): No c	Anto.	The state of the s
Site Code: SLLT	032	TO AND TO THE STATE OF THE STAT	GPS Loca			ated Length Assessed
Feature Name: Un			Easting:	0290-411	n Uns	stream:
Drainage System: S	moth lawet	Low Thomas	Northing:	12600693	Do	wnstream: 🕫
Location in System:			Water Boo	4699893 dy No.	<u> </u>	MISHEAIII. 99
Channel Characteris		arnhology of 18	☐ Lake	<i>ly NO.</i> ☐ Pond	☐ Man-made por	nd Online/Offline
☐ Straight	, tios and m	Meandering (7 - 6 - 1	***************************************
☐ Standing Water	***************************************	Low Flow / Ba	m/w/w/ omicosity/.	LOW -	☑ Defined☑ Moderate Flow	☐ High / Flood Flow
☐ Standing Water ☐ Freshet Flow	Y**XYY**XY**14XX**XXXXXXXXXXXXXXXXXXXXXX	LJ. LOW I IOW / Do	35CIIUW		1 Moderate Liow	LI FIIGH / FIOOU FIOW
Avg. Wetted Width (m	1)· Z./	Ava W	ater Depth (m):	A. 11. A	May Pool D	epth (m): 0-5
Avg. Bankfull Width (r		Avg. Wa Avg. Ba	ankfull Depth (m):	0 0k	IVIAA I OUI D	epui (iii). 0-7
Substrate Compositio		Boulder: —	Cobble: ~		Gravel: —	Fines: 100
Bed Morphology (%)	11 (70)	Flat:	Riffle: 4		Run: 🏖	Pool: —
Bank Slope & Stability	" mada		******************************		Feature Gradient (H	/M//FN > /\
Other Comments:	1. 111000010	>lope High	Stability		reature Gradient (11)	NVIC). LOW
Other Comments.	123714.45*1448*2649*2448*25603*2444	/*************************************			;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	4XYYYYXX TYY (XZXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
***************************************	***************************************	***************************************	***************************************		***************************************	/#************************************
Instream Aquatic Ha	Litat				**************************************	
			# .		# _	9448-79483944.6494633946687.446994689994689946839466.774634446877.4447468
Features (e.g. woody	depris, unue	fcut banks): dens	e patches	Of Cath	1 debus	***************************************
Vegetation (with % do	minanτ). υ	uttacl cioras			***************************************	
Surface Water Quali	iy	2 80 n				**************************************
Temp (°C): 3	l urbiaity	(L M H): MEDIUM	Colour: Green		Comments:	
Riparian Habitat			***************************************	************************	· CYYY-YEF O-EXED Y-CXYA Y-XYFF (A4Y) 4-CZF - ABEQ O-CYEF 4-CEF - AEC	***************************************
Vegetation: T.(ົ້າງອີດ I species):	***************************************				
Canopy Cover (% and	l species):	Ø		***************************************	PP-4879-1437-1447-1447-1447-1447-1447-1447-1447	
Adjacent Land Use:		AG	***************************************			
General Comments	(Fish obser	ved, unusual condi	tions, culvert/brid	ge descriptio	on, groundwater indic	cators and description)
No Fish ob	c	***************************************	***************************************	×		
General Comments No Fish ob well defined change	11 W C	lense filament ous	· alamo	***************************************		***************************************
	V	TEDSE TENDEST AND		**************************	XV120+COO+COO+COO+COO+COO+COO+COO+COO+COO+CO	>*************************************
	ook Culver		**************************************	-	*	***************************************
	o. Directio			No	. Direction Des	scription
***************************************	*********	II DOOIIPIO	Othe	***********************	. Direction Des	scription
Upstream: /3 Downstream: ነር		X290442964887544996442064889644X644386442906	Out	1	/V E	**************************************
*************************************	***********	***************************************	***************************************	***********************	***************************************	***************************************
Feature Bed: 16	***************************************		***************************************	××××××××××××××××××××××××××××××××××××××	***************************************	***************************************
Vegetation: 18	······································	***************************************	***************************************	*******************************	*4*************************************	***************************************
	**********************	4877464XXX44XXX444XXX44XXX4XXXXXXXXXXXXX	***************************************	***********************	***************************************	***************************************
Landscape Photo: 1. Additional Character						
***************************************	***********	Pit - t	Avenue 4	***************************************		
Describe Bed Materia	and Soil Co	inditions in and aro	und Feature:	****************************	·	***************************************
Dagaria Cadimont De	14- 1			***************************************	***************************************	
Describe Sediment De	posits in ⊦e	ature and on Flood	plain - Recent / Ի	listoric:		***************************************
	***************************************	***************************************	4829************************************	******************************	***************************************	***************************************
Presence of Hydric Sc	oils:	***************************************	dr	***************************************	***************************************	***************************************
	**************************	>+48X>+44X9+44X9+44X9+44X9+44X2+4447+044X9+44X9+44X9+44X	9504XF5444F444X544X544X504X4544AA5444AA444AA	***************************************	***************************************	***************************************
Describe Debris and /	or Leaf Litte	r in Feature (type,a	mount, location):	7******************************	***************************************	
Dense patches	of cullal	I dibris o	Man et, es	of c	haml	
Ouns patches Seepage Areas / Sprir	ngs / Evidend	ce of High Water Ta	ablé in or near Fe	eature:		7-433-443-443-443-443-443-443-443-443-44
None						
Attached Algae, Clam	or Mussel S	hells, Crayfish Chir	nneys or Exoskel	tons, or Aqu	atic Insect Larvae in	or near Feature
(Circle any present)	*******************************	***************************************	_		***************************************	***************************************
Water Body Determin	nation	Water B	Sody? ☑Ýe	es 🔲 I	No 🗆 Add	ditional evidence required
Flow Regime:	☑ Perma	*******************************	☐ Intermittent		Ephemeral	monar evidence requires
Evidence of Water Bo		aroux.	LI THORIENTO IL		<u>-рненич</u>	and the second second second second second second second
		7 7.0	Π	la e	0.4	
1974		SIZE/ Sig nit	lease and	rienzy	freence.	<i>of.</i>
aquatic Ver	1					



Project (No. & Name): 1612 North Kent	Field Staff: Steve B
Survey Date: April 23, 2 015 Weather Conditions	
Time Started: 16:33 Temp (°C), Wind, Cloud Cover (%)	
Time Finished: 16:55 Precipitation in Prior 48hrs (mm):	No dota
Site Code: 5wLT - 053 GPS Location	Estimated Length Assessed
Feature Name: Unnamed Drain Easting: 3941	
Drainage System: Sw Lower Thanes Liver Northing: 4699	
Location in System: Rear Live, North of Brook Live Water Body No.	15 Man made pand
	nd Man-made pond Online/Offline
✓ Straight✓ Meandering (H/M/L Sinuosity):✓ Standing Water✓ Low Flow / Baseflow	
☐ Standing Water ☐ Low Flow / Baseflow ☐ Freshet Flow	✓ Moderate Flow ☐ High / Flood Flow
Avg. Wetted Width (m): 5.0 Avg. Water Depth (m): 0.23	Max Pool Depth (m): ๐.५๐
Avg. Bankfull Width (m): 6.0 Avg. Bankfull Depth (m): 0.63	Midx 1 301 Dopan (111). 0, 10
Substrate Composition (%) Boulder: - Cobble: -	Gravel: ೨೦% Fines: 80%
Bed Morphology (%) Flat: เบอวิง Riffle: -	Run: - Pool: -
Bank Slope & Stability:	Feature Gradient (H/M/L):
Other Comments:	
Instream Aquatic Habitat	
Features (e.g. woody debris, undercut banks): None	5°/ 11 'Fo/
Vegetation (with % dominant): Aligne 80% waterweed 10% of Surface Water Quality	grass 5% cattail 5%
Temp (°C): d.E. Turbidity (L/M/H):) Colour: (4.335 a. B.	Comments:
Riparian Habitat	Comments. —
	and make during al
Vegetation: u/s - phragmiles / cattail, grass d/s - grass, shrubs Canopy Cover (% and species): /0% - shrubs d/s * more shading	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Adjacent Land Use: Agricultural, manicured lawn	tweet down - co my
General Comments (Fish observed, unusual conditions, culvert/bridge desc	cription, groundwater indicators and description)
·No fish observed	
· Tile drains outletting to me water body	
· Armouring of dy banks	
<u> </u>	
Photographs No. Direction Description	No. Direction Description
Upstream: 0625 - Other:	tager tagers ""ty
Feature Bed: 0074 -	
Culvert / Bridge: 0022/23 (d/s) 0026/27 (w/s) Vegetation:	
Landscape Photo:	
Additional Characteristics	
Describe Bed Material and Soil Conditions in and around Feature:	-
Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic:	-
	•
Presence of Hydric Soils:	-
Describe Debris and / or Leaf Litter in Feature (type,amount, location):	
Describe Debris and / Of Leaf Litter III Feature (type,amount, location).	-
Seepage Areas / Springs / Evidence of High Water Table in or near Feature:	
Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or	r Aquatic Insect Larvae in or near Feature
(Circle any present) Noc. Water Body Determination, Water Body? Yes	☐ No ☐ Additional evidence required
Flow Regime: Permanent Intermittent Evidence of Water Body Status:	☐ No ☐ Additional evidence required ☐ Ephemeral

NATURAL RESOURCE SOLUTIONS INC. Aquatic, Terrestrial and Wetland Biologists

Project (No. & Name): 16th M. Karl	Field Staff: REB
Survey Date: 23 APR 15 Weather Conditions	7,20
Time Started: /330 Temp (°C), Wind, Cloud Co	ver (%), Precipitation: [, [°, 4 WNW, [∞/, Ø
Time Started: 7530 Temp (°C), Wind, Cloud Co Time Finished: 1345 Precipitation in Prior 48hrs	(mm): Alo alaka
Site Code: SwLT 027 GPS Loca	
Feature Name: Unimped Qr Easting:	***************************************
Drainage System: South west town Thomas Northing:	
Location in System: 04 Baldon 180 Water Boo	
Channel Characteristics and Morphology NIA □ Lake	☐ Pond ☐ Man-made pond Online/Offline
	☐ Defined ☐ Poorly Defined
☑ Straight ☐ Meandering (H/M/L Sinuosity): ☐ Standing Water ☐ Low Flow / Baseflow	☐ Moderate Flow ☐ High / Flood Flow
Freshet Flow Channelized D	I Moderate Flow I Flight / Floor Flow
Avg. Wetted Width (m): 4.0 Avg. Water Depth (m):	O네 Max Pool Depth (m): ợ, I
Avg. Bankfull Width (m): 6.0 Avg. Bankfull Depth (m):	075
Substrate Composition (%) Boulder: Cobble:	Gravel: Fines: 100
Bed Morphology (%) Flat: 100 Riffle:	Run: Pool: ***
	Feature Gradient (H/M/D): LOW
Bank Slope & Stability: High Slope High Stability Other Comments: Chantel 200 Dr	
Channelized Or	
sighs of Recent clear out	
Instream Aquatic Habitat	
Features (e.g. woody debris, undercut banks): - none Recut	cle-2 ov'
Vegetation (with % dominant): T-Gwss45 (100%)	(manuanananananananananananananananananan
Surface Water Quality	
Temp (°C): 3 Turbidity (QM/H): LOW Colour: CD4	Comments:
Riparian Habitat	
Vegetation: T.G. 15.55.55	
Canopy Cover (% and species):	
Adjacent Land Use: Ac	
General Comments (Fish observed, unusual conditions, culvert/brid	ge description, groundwater indicators and description)
No Fish obs	
No equatic Veg obs	
2.5 m CSP in those cobble/concrete block e	. l. br of
Photographo No Direction Description	mberse mouts
Photographs No. Direction Description	No. Direction Description
Upstream: ₹o₹ NW — Othe	No. Direction Description
Upstream: 707 NW — Other Downstream: 709 Sw —	No. Direction Description
Upstream: 707 NW — Othe Downstream: 709 Sw — Feature Bed: 710 — —	No. Direction Description
Upstream: 7o7 № — Othe Downstream: 709 Sh — Feature Bed: ₹1o — — Culvert / Bridge: ₹1l — —	No. Direction Description
Upstream: 7o7 ルw — Other Downstream: 709 Sレ — Feature Bed: オ/o — — Culvert / Bridge: オ/l — — Vegetation: ノ/o — —	No. Direction Description
Upstream: 707 ルw — Othe Downstream: 709 Sw — Feature Bed: ブ(0 — — Culvert / Bridge: ブ(1) — — Vegetation: ブ(2) — — Landscape Photo: ブ(3) Sw —	No. Direction Description
Upstream: 707 № — Other Downstream: 709 Sw — Feature Bed: 70 — — Culvert / Bridge: 70 — — Vegetation: 20 — — Landscape Photo: 70 Sw — Additional Characteristics	No. Direction Description
Upstream: 707 NW — Other Downstream: 709 SW — Feature Bed: 710 — — Culvert / Bridge: 711 — — Vegetation: 712 — — Landscape Photo: 713 SW — Additional Characteristics	No. Direction Description r: ∠08 SE
Upstream: 707 NW — Othe Downstream: 709 SW — Feature Bed: 710 — — — — — — — — — — — — — — — — — — —	No. Direction Description r: Zo8 SE V/S
Upstream: 707 № — Other Downstream: 709 Sw — Feature Bed: 70 — — Culvert / Bridge: 70 — — Vegetation: 20 — — Landscape Photo: 70 Sw — Additional Characteristics	No. Direction Description r: Zo8 SE V/S
Upstream: 707 NW — Othe Downstream: 709 SW — Feature Bed: 710 — — — — — — — — — — — — — — — — — — —	No. Direction Description r: Zo8 SE V/S
Upstream: 707 NW — Other Downstream: 709 SW — Feature Bed: 710 — — — Culvert / Bridge: 711 — — — Vegetation: 712 — — — — — — — — — — — — — — — — — — —	No. Direction Description r: ∠08 SE
Upstream: 707 NW — Other Downstream: 709 SW — Feature Bed: 7/0 — — Culvert / Bridge: 7/1 — — Vegetation: 7/3 SW — Landscape Photo: 7/3 SW — Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Heresence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location):	No. Direction Description r: ∠08 SE
Upstream: 707 NW — Other Downstream: 709 SW — Feature Bed: 700 — — — — — — — — — — — — — — — — — —	No. Direction Description r. ∠08 SE
Upstream: 707 NW Other Downstream: 709 SW — Feature Bed: 700 — Culvert / Bridge: 700 — Vegetation: 700 — Landscape Photo: 700 SW — Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / H Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location): One Recently cleaned Seepage Areas / Springs / Evidence of High Water Table in or near Fe	No. Direction Description r. ∠08 SE
Upstream: 707 NW — Other Downstream: 709 SW — Feature Bed: 710 — — Culvert / Bridge: 711 — — — Vegetation: 712 — — — Landscape Photo: 713 SW — Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Heresence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location): 1001 Recently cleaned Seepage Areas / Springs / Evidence of High Water Table in or near Fe	No. Direction Description r: \$\int 208 \text{S} \overline{\text{V}} \text{S}
Upstream: 707 NW — Other Downstream: 709 SW — Feature Bed: 700 — — — — — — — — — — — — — — — — — —	No. Direction Description r: \$\int 208 \text{S} \overline{\text{V}} \text{S}
Upstream: 707 NW — Other Downstream: 709 SW — Feature Bed: 709 SW — Culvert / Bridge: 709 — Culvert / Bridge: 709 — Culvert / Bridge: 700 — Culvert /	No. Direction Description T: \$\sigma_8 \text{Siz} \text{V} \text{Siz} \text{Siz} \text{V} \text{Siz} \text{Siz} \text{Siz} \text{Siz} \text{Siz} \text{Siz} \text{Siz} \text{Siz} \text{Siz} \text{Siz} \text{Siz} \text{Siz}
Upstream: 707 NW — Other Downstream: 709 SW — Feature Bed: 709 SW — Culvert / Bridge: 709 — — Culvert / Bridge: 709 — — — Vegetation: 709 SW — Landscape Photo: 709 SW — Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Heresence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): 1000 Recently Cleans Seepage Areas / Springs / Evidence of High Water Table in or near Feature (Circle any present) New Water Body? Yes	No. Direction Description r: 708 Sp VS Iistoric: eature: tons, or Aquatic Insect Larvae in or near Feature Solutions Description Page 1975 Page 19
Upstream: 707 NW — Other Downstream: 709 SW — Feature Bed: 710 — — Culvert / Bridge: 7/1 — — Vegetation: 703 SW — Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / H Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location): 004 Recently clearly	No. Direction Description r: 708 Sp VS Iistoric: eature: tons, or Aquatic Insect Larvae in or near Feature Solutions Description Page 1975 Page 19
Upstream: 707 NW Other Downstream: 709 SW Feature Bed: 710 — — Culvert / Bridge: 7/1 — — Vegetation: 713 SW Landscape Photo: 713 SW Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / H Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location): Obt Recenty Clemia Seepage Areas / Springs / Evidence of High Water Table in or near Fe Use Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskel (Circle any present) Nac Water Body Determination Water Body? Yee Flow Regime: □ Permanent ☑ Intermittent Evidence of Water Body Status:	No. Direction Description r: 708 Sp VS Iistoric: eature: tons, or Aquatic Insect Larvae in or near Feature Solutions Description Page 1975 Page 19
Upstream: 707 NW — Other Downstream: 709 SW — Feature Bed: 710 — — Culvert / Bridge: 7/1 — — Vegetation: 703 SW — Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / H Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location): 004 Recently clearly	No. Direction Description r:

	NATURAL	RESOURCE	SOLUTIONS logists	INC.
755	Aquatic, Terrestri	al and Wetland Bio	logists	

Project (No. & Na	me): 1612	N. Kenl		Field Staff:	BEB
Survey Date: O			r Conditions		
	215	Temp (°	C), Wind, Cloud Cove	er (%), Precipitation:	9,0,0,0
	300		ation in Prior 48hrs (n		and the article of the state of
Site Code:	5 WLT 092		GPS Locati	on	Estimated Length Assessed
Feature Name:	Unnamed Or	Madbellysesdeelstrikkeistysesdeyssservasgeels	Easting:	0394608	Upstream: 150
Drainage System:	South West	Loren Than	ς Northing:		Downstream: 150
Location in System	n: South of	Rubber Lo	Water Body	No. 177	
Channel Characte				∃ Pond ⊟ Man-	-made pond Online/Offline
☑ Straight	************	☐ Meanderin☑ Low Flow /	g (H/M/L Sinuosity):		***************************************
Standing Wa			Baseflow		te Flow 🔲 High / Flood Flow
☐ Freshet Flow	/ Chann	01/202 //-		·	Dool Dooth (m), A \
Avg. Vvetted vvidti	1 (m): 10 / 5	Avg.	Parkfull Depth (m):	O C	ax Pool Depth (m): ク-)
Substrate Compos	il (III).	Roulder:	Cobble: -	Gravel:	- Fines: 100
Bed Morphology (%	%)	Flat: 100	Riffle:	Run:	Pool:
	oilitv: 🖟 🎜	H. Stabilty		Feature G	radient (H/M/ L): L
Other Comments:	······································		***************************************	***************************************	
Channelrad	***************************************	***************************************	***************************************	447344347777444734473444734444444444444	
	***************************************		2/3+4/4+3+4/7+4443+4/47+4+4+4+4+4+4+4+4+4+4+4+4+4+4+4+4+4+	(224272-1427-14472-14472-14472-1447-1447-	<u> </u>
Instream Aquatic			100		
Features (e.g. woo	ody debris, unde	ercut banks): 🧳	CZOZZ)	bonk ven 4	3
		Periode Alger	C7072)	1,600 C300	······································
Surface Water Qu		27-64273-12744427444274442744477444791447914		,	***************************************
	ち Turbidity	/ (@/M/H): L	Colour: Brown	Comments	S:
Riparian Habitat				***************************************	**************************************
Vegetation: Canopy Cover (% : Adjacent Land Use	T. Gris	1505	A		·
Canopy Cover (%	and species):	20% V/	S P. Shubs	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Adjacent Land Use	3 :	AL			
=102====	1 /Fiele abase		مام المسجد المناسية	1intian ground	
General Commen	ı ts (Fish obser	ved, unusual cor	nditions, culvert/bridg	e description, ground	water indicators and description)
General Commen	i ts (Fish obser ంట	rved, unusual cor	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	water indicators and description)
General Commen No Fich Peorly Afine	ts (Fish obser	rved, unusual cor	nditions, culvert/bridg	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	water indicators and description)
General Commen	ts (Fish obser	rved, unusual cor	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	water indicators and description)
General Commen 'No Fish leavly define Ony cattril	obs channel Dobus along	rved, unusual cor E 1-G- bonks	75915 Mary	Strong bed	
General Commen No Fich Pooly Asfine On Cathail Photographs	obs channel Dobus along No. Directio	rved, unusual cor	on	Shown bel	
Photographs Upstream:	ots ots channel Dobns obns oling No. Directio	rved, unusual cor	75915 Mary	Shown bel	
Photographs Upstream: Downstream:	obs channel Dobus along No. Directio	rved, unusual cor	on	Shown bel	
Photographs Upstream:	ots ots channel Dobns obns oling No. Directio	rved, unusual cor	on	Shown bel	
General Commen No Fich Poolly Affine Ony Cathol Photographs Upstream: Downstream: Feature Bed:	its (Fish obser observations observations observations observations observations observe observations obs	rved, unusual cor	on	Shown bel	
General Commen No Fich Poolly Affine On Cathail Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge:	No. Directio	rved, unusual cor	on	Shown bel	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Character	No. Directio	bonks Description	on Other:	Shown bel	
General Commen No Fich Porty Affine Ory Cathol Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo:	No. Directio	bonks Description	on Other:	Shown bel	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Character Describe Bed Mate	No. Direction 885 No. Direction 885 886 887 Steristics erial and Soil Co	bonks Description On Description	on Other:	No. Directi	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Character Describe Bed Mate	No. Direction 885 No. Direction 885 886 887 Steristics erial and Soil Co	bonks Description On Description	on Other:	No. Directi	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Character Describe Bed Mate	No. Direction Serial and Soil Control t Deposits in Fe	bonks Description On Description	on Other:	No. Directi	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Character Describe Bed Mate	No. Direction Serial and Soil Control t Deposits in Fe	bonks Description On Description	on Other:	No. Directi	
Photographs Upstream: Downstream: Downstream: Eature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Character Describe Bed Mate	No. Direction Serial and Soil Control of the Deposits in Ferial Soils:	bonks Description On Description Onditions in and a	on Other: around Feature: bodplain - Recent / Hi	No. Directi	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Charac Describe Bed Mate	No. Direction Series Serial and Soil Control of Leaf Little	Description On Description On Description Onditions in and a eature and on Flo	on Other: around Feature: bodplain - Recent / Hi e,amount, location):	No. Direction	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Charac Describe Bed Mate	No. Direction Series Serial and Soil Control of Leaf Little	Description On Description On Description Onditions in and a eature and on Flo	on Other: around Feature: bodplain - Recent / Hi e,amount, location):	No. Direction	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Charact Describe Bed Mate Presence of Hydric Describe Debris and Seepage Areas / Se	No. Direction Series Serial and Soil Control of Leaf Little	Description On Description On Description Onditions in and a eature and on Flo	on Other: around Feature: bodplain - Recent / Hi	No. Direction	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Charace Describe Bed Mate Describe Sediment Presence of Hydric	No. Direction No. Direction Serial and Soil Control Soils: No. Direction No.	on Description onditions in and a seature and on Fice of High Water	around Feature: podplain - Recent / Hi e,amount, location):	No. Direction	on Description
Photographs Upstream: Downstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Charactorial Describe Bed Mate Describe Sediment Presence of Hydrical Describe Debris and Seepage Areas /	No. Direction No. Direction Serial and Soil Control or Leaf Little Springs / Eviden am or Mussel S	on Description onditions in and a seature and on Fice of High Water	around Feature: podplain - Recent / Hi e,amount, location):	No. Direction	
Photographs Upstream: Downstream: Downstream: Eature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Charactoribe Bed Mate Describe Sediment Presence of Hydric Describe Debris and Seepage Areas / Seepage Areas / Sepage Areas / Seepage Area	No. Direction No. Direction Serial and Soil Control of Leaf Little Springs / Eviden am or Mussel Serial	Description Description On Description Onditions in and a eature and on Flor er in Feature (type one of High Water Shells, Crayfish C	around Feature: bodplain - Recent / Hi e,amount, location): r Table in or near Feath	No. Directions of Aquatic Insections of Aquatic Insections.	on Description Let Larvae in or near Feature
Photographs Upstream: Downstream: Downstream: Eature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Charact Describe Bed Mate Describe Sediment Presence of Hydric Describe Debris and Seepage Areas / S Down Attached Algae Cla Circle any present Water Body Deter	No. Direction No. Direction Serial and Soil Control of Leaf Little Springs / Eviden am or Mussel Serial	Description Description On D	around Feature: bodplain - Recent / Hi e,amount, location): r Table in or near Feath	No. Directions of Aquatic Insections of Aquatic Insections.	on Description The struction of the str
Photographs Upstream: Downstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Charact Describe Bed Mate Describe Sediment Presence of Hydric Describe Debris and Seepage Areas / S Nove	No. Direction No. Di	Description Description On D	on Other: around Feature: bodplain - Recent / Hi e,amount, location): r Table in or near Feathimneys or Exoskeltoer Body?	No. Direction of the storic: ature: ons, or Aquatic Insections S	on Description The state of th
Photographs Upstream: Downstream: Downstream: Eature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Charact Describe Bed Mate Describe Sediment Presence of Hydric Describe Debris and Seepage Areas / S Down Attached Algae Cla Circle any present Water Body Deter	No. Direction No. Di	Description Description On D	around Feature: podplain - Recent / Hi e,amount, location): r Table in or near Feathimneys or Exoskeltoer Body? Intermittent	No. Direction of the storic: ature: ons, or Aquatic Insections S	on Description The state of th

2	NATURAL RESOURCE SOLUTIONS	INC.
1	Aquatic. Terrestrial and Wetland Biologists	

Project (No. & Name): 1612 North Kent Field Staff: Steve B **Weather Conditions** Survey Date: April 24, 2015 Time Started: Temp (°C), Wind, Cloud Cover (%), Precipitation: 9:70 3°C, 4, 20%, None Time Finished: Precipitation in Prior 48hrs (mm): No doda 9.88 Site Code: **GPS Location Estimated Length Assessed** SWLT- 058 Easting: 393718 Upstream: 50 m Feature Name: Downstream: 100 m Channel Characteristics and Morphology ∧ / △ □ Lake □ Pond □ Man-made pond Online/Offline ✓ Defined ☐ Poorly Defined Straight ☐ Meandering (H/M/L Sinuosity): ✓ Low Flow / Baseflow ☐ Moderate Flow ☐ Standing Water ☐ High / Flood Flow ☐ Freshet Flow Avg. Wetted Width (m): 2.5
Avg. Bankfull Width (m): 44.0 2.5 Avg. Water Depth (m): 0,30 4/.0 Avg. Bankfull Depth (m): 4/.5 0.30 Max Pool Depth (m): 0.40 Substrate Composition (%) Fines: 90% Boulder: - Cobble: Gravel: 10% Bed Morphology (%) Riffle: Run: Pool: Flat: 100% Bank Slope & Stability: Feature Gradient (H/M/L): - 60°, slability fair Other Comments: — Instream Aquatic Habitat Features (e.g. woody debris, undercut banks): None Vegetation (with % dominant): Duckward 50% Grasses /Horbaceous 40% Watercress 10% Surface Water Quality Turbidity (L/M/H): Temp (°C): Colour: Comments: Riparian Habitat Vegetation: Herbaccous, grasses Canopy Cover (% and species): Ledar hedge along E edge (morning shade).
Adjacent Land Use: Apricultural (NW) : residential General Comments (Fish observed, unusual conditions, culvert/bridge description, groundwater indicators and description) · No fish observed Photographs No. Direction Description No. Direction Description Upstream: Other: 0041 NE Downstream: 0043 Feature Bed: 0045 Culvert / Bridge: 0042 (u/s) 0044 (d/s) Vegetation: 0045 Landscape Photo: **Additional Characteristics** Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature: Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or Aquatic Insect Larvae in or near Feature (Circle any present) No. ✓ Yes Water Body Determination Water Body? ☐ No ☐ Additional evidence required Flow Regime: ☑ Permanent ☐ Intermittent ☐ Ephemeral Evidence of Water Body Status:

NATURAL RESOURCE SOLUTIONS INC. Aquatic, Terrestrial and Wetland Biologists

Project (No. & Name): 1612 N. Kenk	Field Staff: 13 = 15
Survey Date: 33 AND IS Weather Conditions	
Time Started: 1405 Temp (°C), Wind, Cloud Cover	(%), Precipitation:),(6°, 4 WNW, 100 1. Ø
Time Finished: 1420 Precipitation in Prior 48hrs (mn	n): No data
Site Code: SwLTO29 GPS Location	
J. D. C. C.	395470 Upstream: 100
Drainage System: South wast born Theren, Northing: 4	7,00 7,9,9 Downstream: 1,00
Drainage System: South wast Low Thomas Northing: 4 Location in System: 4t Paldon RO/ Brook Ln Water Body N	10. 1 79
Channel Characteristics and Morphology $\sqrt{/\rho}$ Lake	Pond
	☐ Defined ☐ Poorly Defined
✓ Straight ☐ Meandering (H/M/L Sinuosity): ☐ Standing Water ☐ Low Flow / Baseflow	
Freshet Flow Channelized Dr	
Avg. Wetted Width (m): 1.2 Avg. Water Depth (m): 0	グル Max Pool Depth (m): ひょ
Avg. Bankfull Width (m): 3, 6 Avg. Bankfull Depth (m):	0.7
Substrate Composition (%) Boulder: Cobble:	Gravel: ३० Fines:⊋o
Bed Morphology (%) Flat: 1∞ Riffle: —	Run: Pool: —
Bank Slope & Stability: Chligh 12 Slope Dr Low Shility	Feature Gradient (H/M/D: Low
Other Comments: Chan 11 71d dr 2 Cons	
Instream Aquatic Habitat	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Features (e.g. woody debris, undercut banks): none	
Vegetation (with % dominant): Pond wed so (20%) Contail	sp (80%)
Surface Water Quality Temp (°C): ง Turbidity (L/10/H): Mebion Colour: Grea	
	Comments: —
Riparian Habitat	
Vegetation: \[\int_{\circ}G_{\circ}\circ_{\	
Carlopy Cover (% and species).	***************************************
Adjacent Land Use: A6	
General Comments (Fish observed, unusual conditions, culvert/bridge	description, groundwater indicators and description)
No Fish obs	
Channel Stabilized & concert blocks D/S	3
Over hanging bank vig	
Im concrete culvert	No Direction Description
Photographs No. Direction Description	No. Direction Description
Upstream: 719 Sw — Other:	
Downstream: 720 NE —	
Feature Bed: 731 — — — — — — — — — — — — — — — — — — —	
Vegetation:	
Landscape Photo: 602 5w —	
Additional Characteristics	
Describe Bed Material and Soil Conditions in and around Feature:	
- Catalon Bod Material and Coll Conditions in and alcund I catalon	
Describe Sediment Deposits in Feature and on Floodplain - Recent / Hist	oric:
-	·
Presence of Hydric Soils:	
©Reso.	
Describe Debris and / or Leaf Litter in Feature (type,amount, location):	
Spayer patches of (attail and To Greass debus Seepage Areas / Springs / Evidence of High Water Table in or near Featu	along edges of channel
Seepage Areas / Springs / Evidence of High Water Table in or near Feat	ure:
as \ O	
10th all and Alama on Museual Challe Constitute Chimpagness on Excellent	
Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltor	ns, or Aquatic Insect Larvae in or near Feature
(Circle any present)	
(Circle any present) Water Body Determination Water Body? ✓ Yes	☐ No ☐ Additional evidence required
(Circle any present) Water Body Determination Water Body? ✓ Yes Flow Regime: ☐ Permanent ✓ Intermittent	
(Circle any present) Water Body Determination Water Body? ✓ Yes	☐ No ☐ Additional evidence required

NATURAL RESOURCE SOLUTIONS INC. Aquatic, Terrestrial and Wetland Biologists

Project (No. & Name):	1612 N. Ker	*	Field Staff:	BEB
Survey Date: 23 APR	15	Weather Conditions		.)
Time Started: 1360			Cover (%), Precipitation:	1.1°, 4WNW, 100%, &
Time Finished: 1400		Precipitation in Prior 48hi	s (mm): No No-o	
Site Code: SWLTO2		ODC L -		Estimated Length Assessed
Feature Name: பிருவ	a) Dr	Easting:	0395296	
Drainage System:	wast law The	Northing Northing	1: 4700 953	Downstream: 150
Location in System:		Water B	ody No. 180	
Channel Characteristics	and Morpholog			nade pond Online/Offline
□ Straight	□ Me	andering (H/M/L Sinuosit	y): Defined	Poorly Defined
☐ Standing Water	☐ Lo\	w Flow / Baseflow	☐ Moderate	e Flow 🔲 High / Flood Flow
Freshet Flow	Channel 1:	211 OV		
Avg. Wetted Width (m):	lia	Avg. Water Depth (m):		x Pool Depth (m): 🗷 👢
Avg. Bankfull Width (m):	2.0	Avg. Bankfull Depth (n	n): <i>ወ.65</i>	
Substrate Composition (%	6) Bould	er: Cobble:	→ Gravel: _	Fines: 100
Bed Morphology (%)	Flat:	loo Riffle:	– Run: –	Pool: -
Bank Slope & Stability:	tich Slope L	on Stobulsty	Feature Gra	adient (H/M/🖸: ܢܘܝܝܢ
Other Comments:		***************************************		***************************************
Chanadized Dv.		XV-8432->444->44X3-+44X3-444X3-444X3-444X3-444X3-444X3-444X3-44X3-444X3-44X3		
Inchroom Association II-114	-4			
Instream Aquatic Habita		>>xxxx+xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	**************************************	
Features (e.g. woody deb Vegetation (with % domin	oris, undercut ban	KS): None	Λ «)	
Surface Water Quality	iant): You t chis	Cnttells	(10072)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Temp (°C):	Turbidity (MN/I/LI)	- Colour &	. Comments:	
Dinarian Habitat	Turblaity (Univira).	Low Colour. (10.	Comments.	
Riparian Habitat		J4X} 44497-48 774498344447-585 -1877-54687-4887-1-1877444		
Vegetation:		+4XI+44XX+4XX+4XXX+XXXX+4XXX+4XXX+4XXX+	***************************************	***************************************
Canopy Cover (% and sp	ecies): 💢	***************************************	**************************************	
Adjacent Land Use:	146			
	ch obcorred unu		ridge description, groupdy	rater indicators and description)
	*****************	sual conditions, culvert/b	ridge description, groundw	vater indicators and description)
No Fixh obs	***************************************	·	>>++++++++++++++++++++++++++++++++++++	•
No Fixh obs	***************************************	·	ridge description, groundw	•
No Fixh obs	***************************************	·	>>++++++++++++++++++++++++++++++++++++	•
No Fish obs pouly defined	Chann) =	s passe fatous	of collects and	flamostous ulgae
No Fish obs fromly dens Photographs No.	Chianu) =	s paise Patono scription	of call/is and	flamostous ulgae
No Fish obs fromly defined Photographs No. Upstream: 714	Chann) = Direction De	s paise Patono scription	of collects and	flamostous ulgae
No Fish obs pouly Jefin J Photographs No. Upstream: 714 Downstream: 715	Chianu) =	s paise Patono scription	of call/is and	flamostous ulgae
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No Fish obs pouly defined Photographs No. Upstream: 714 Downstream: 715 Feature Bed: 716 Culvert / Bridge: Vegetation: 717 Landscape Photo: 718	Chann) Direction De Si NE NE NE	spaise patricis	of call/is and	flamostous ulgae
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No Fish obs Powly Johns Photographs No. Upstream: 714 Downstream: 715 Feature Bed: 716 Culvert / Bridge: Vegetation: 717 Landscape Photo: ₹18 Additional Characteristi	Chann) Direction De St. ME /VE ics Id Soil Conditions	scription Ot	No. Directio	flamostous ulgae
No. Fish obs Photographs No. Upstream: 714 Downstream: 715 Feature Bed: 716 Culvert / Bridge: Vegetation: 717 Landscape Photo: 718 Additional Characteristic Describe Bed Material and Describe Sediment Depo	Direction De SV WE Constitutions Direction De SV WE Constitutions Direction De SV WE Constitution De SV WE Constitution De SV WE Constitution De SV WE Constitution De SV	scription Ot	No. Directio	flamostous ulgae
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No. Fish obs Photographs No. Upstream: 714 Downstream: 715 Feature Bed: 716 Culvert / Bridge: Vegetation: 717 Landscape Photo: 718 Additional Characteristi Describe Bed Material an Describe Sediment Depo	Direction De SV /VE /VE ics id Soil Conditions sits in Feature an	scription Of in and around Feature: d on Floodplain - Recent	No. Directionher:	flamostous ulgae
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Photographs No. Upstream: 714 Downstream: 715 Feature Bed: 716 Culvert / Bridge: Vegetation: 717 Landscape Photo: 718 Additional Characteristi Describe Bed Material an Describe Sediment Depo	Direction De St. WE Cos Id Soil Conditions Sits in Feature an Leaf Litter in Feat	in and around Feature: d on Floodplain - Recent	No. Directionher:	flamostous ulgae
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Photographs No. Upstream: 714 Downstream: 715 Feature Bed: 716 Culvert / Bridge: Vegetation: 217 Landscape Photo: 718 Additional Characteristic Describe Bed Material and Describe Sediment Depo Presence of Hydric Soils: Describe Debris and / or Spark patch. Seepage Areas / Springs	Direction De St WE Cos d Soil Conditions sits in Feature an Leaf Litter in Feat S of M	in and around Feature: d on Floodplain - Recent cure (type,amount, location h.) Jebris h Water Table in or near	No. Directionher: / Historic:	n Description
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Photographs No. Upstream: 714 Downstream: 715 Feature Bed: 716 Culvert / Bridge: Vegetation: 717 Landscape Photo: 718 Additional Characteristi Describe Bed Material an Describe Sediment Depo Presence of Hydric Soils: Describe Debris and / or Spare patch Seepage Areas / Springs	Direction De SU WE WE ics Id Soil Conditions sits in Feature an Leaf Litter in Feat Y Evidence of High	in and around Feature: d on Floodplain - Recent ure (type,amount, location in Water Table in or near	No. Direction her: / Historic: n): Feature: keltons, or Aquatic Insect	n Description Larvae in or near Feature
Photographs No. Upstream: 714 Downstream: 715 Feature Bed: 716 Culvert / Bridge: Vegetation: 717 Landscape Photo: 718 Additional Characteristi Describe Bed Material an Describe Sediment Depo Presence of Hydric Soils: Describe Debris and / or Spare parch Seepage Areas / Springs Nowl Attached Algae) Clam or (Circle any present) Water Body Determinati	Direction De SU WE WE ics Id Soil Conditions sits in Feature an Leaf Litter in Feat S of Market Shells, Cr	in and around Feature: d on Floodplain - Recent ure (type,amount, location h Water Table in or near	No. Directionher: / Historic: n): Feature: keltons, or Aquatic Insect	n Description Larvae in or near Feature □ Additional evidence required
Photographs No. Upstream: 714 Downstream: 715 Feature Bed: 716 Culvert / Bridge: Vegetation: 217 Landscape Photo: 718 Additional Characteristic Describe Bed Material and Describe Sediment Depo Presence of Hydric Soils: Describe Debris and / or Spark patch Seepage Areas / Springs Nowl Attached Algae) Clam or (Circle any present) Water Body Determination Flow Regime:	Direction De S WE Cos d Soil Conditions sits in Feature an Leaf Litter in Feat Fey Con DE Mussel Shells, Cr on DE Permanent	in and around Feature: d on Floodplain - Recent ure (type,amount, location in Water Table in or near	No. Directionher: / Historic: n): Feature: keltons, or Aquatic Insect	n Description Larvae in or near Feature □ Additional evidence required
Photographs No. Upstream: 714 Downstream: 715 Feature Bed: 716 Culvert / Bridge: Vegetation: 717 Landscape Photo: 718 Additional Characteristi Describe Bed Material an Describe Sediment Depo Presence of Hydric Soils: Describe Debris and / or Spare parch Seepage Areas / Springs Nowl Attached Algae) Clam or (Circle any present) Water Body Determinati	Direction De S WE Cos d Soil Conditions sits in Feature an Leaf Litter in Feat Fey Con DE Mussel Shells, Cr on DE Permanent	in and around Feature: d on Floodplain - Recent ure (type,amount, location h Water Table in or near	No. Directionher: / Historic: n): Feature: keltons, or Aquatic Insect	n Description Larvae in or near Feature □ Additional evidence required



Renewable Energy Water Body Site Investigation

Office Use Only

i roject (ito. a.)	name):	1612 Nr	Tre. T		Field 51	aff: 19879	
Survey Date:	23'A11	R 15	Weath	er Conditions			
Time Started:	095	0	Temp	(°C), Wind, Cloud Co	ver (%), Precipita	tion: -0, Z°	7NNW, 100%, &
Time Finished:	1005		Precipi	itation in Prior 48hrs (mm): No dada)	
Site Code:	SWLTOI	8	***************************************	GPS Loca			ated Length Assessed
Feature Name:	***************	*********************			03965 40		stream: 50
Drainage Syster	n: \$2	with west	/ Th		u70x7du		wnstream:loo
Location in Syst	em: øi	on- Clay and		Easting: Northing: Water Boo	y No. 141		***************************************
IChannel Chara	cteristics	s and Morp	hology 🎿 🕴	Λ □ Lake	Pond	Man-made por	nd Online/Offline
☑ Straight	***************************************			ng (H/M/L Sinuosity): / Baseflow		efined	Poorly Defined
Standing V	Vater	·····	low Flow	/ Baseflow	ПМ	oderate Flow	
☑ Freshet Fl	ow	Charage	<i>.</i>				
Ava. Wetted Wi	dth (m):	0.5	Ava	. Water Depth (m):	0.1		epth (m): 0,1
Avg. Bankfull W	idth (m):	1.5	Ava	. Bankfull Depth (m):	0.4		A. Francis Name of the Control of th
Substrate Comp	osition (%	%)	Boulder: -	Cobble: -	Grav	el:	Fines: 100
Bed Morphology	(%)	************	Flat:	Riffle:	Run:		Pool: **
Bank Slope & S	tability:	Hinh ale	ane but	51-61/+1		ure Gradient (H	
Other Comment	S:		z p . s		ZV>+4X>+4XX++4X>+4XX++1XX++1XX++4XX++4XX++		
Chamilized	Ovr.	No ver	ab Eld	###	**************************************		
and the state of t	····· <i>j</i> ·····			***************************************	***********************************		
Instream Aquat	ic Habita	at			and the state of t		
			ut banks):	Dense Cuttal	debet	******************************	***************************************
Vegetation (with	% domir	nant):	C. He. I CA	(802) garan	(202)	***************************	***************************************
Surface Water	Quality		M. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			***************************************	***************************************
Temp (°C):	6	Turbidity (L.	/MVH): MEN	M Colour: B	Com	ments:	***************************************
Riparian Habita	ıt		1 1 1 1 1 1 1 1 1 1 1	JV- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
******************	***************	f	*************************	***************************************	**************************************		***************************************
Vegetation: Canopy Cover ('	vand en	Aries 262		***************************************	************************************	*************************	***************************************
Adjacent Land L	lee.	46	.4.4.4.4.2.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	***************************************	*******************************	********************************	
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	ante (Fi	sh observer	d unusual co	anditions culvert/hrid	ne description au	oundwater indi	cators and description)
General Comm	ents (Fi	sh observed		,	ge description, g	oundwater indi	cators and description)
No Fis	4 265	No	Fire of	\$		oundwater indi	cators and description)
No Fis	4 265	No	Fire of	,		oundwater indi	cators and description)
No Fis	4 265	No	Fire of	\$		oundwater indi	cators and description)
No Fas postrly	k 265 JeAned	No.	Flen ob E den	\$ 55. Callail debus			
M Fis	k 365 & And No.	Direction	Fine the den	\$ ss callail debus	No. Di		cators and description) scription
Photographs Upstream:	No. 648	No.	Fine the den	\$ 55. Callail debus	No. Di		
Photographs Upstream: Downstream:	No. 648 649	Direction NE Ste	Fine the den	\$ ss callail debus	No. Di		
Photographs Upstream: Downstream: Feature Bed:	No. 648 849 650	Direction NE Ste	Fine the den	\$ ss callail debus	No. Di		
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge:	No. 648 649	Direction	Pho the day	\$ ss callail debus	No. Di		
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation:	No. 648 649 650	Direction WE SI	Pho the day	\$ ss callail debus	No. Di		
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot	No. 648 649 650 651 0: 652	Direction NE Su	Pho the day	\$ ss callail debus	No. Di		
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot Additional Chai	No. 648 649 650 651 0: 652	Direction NE Sw ics	Descripti	* contact debus on Othe	No. Di		
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Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot Additional Chai	No. 648 649 650 651 o: 652 racteristi	Direction WE She She ics d Soil Cond	Descripti	हैं cattail debus on Othe	No. Di		
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Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot Additional Chai Describe Bed Mi	No. 648 649 650 651 o: 657 aracteristicaterial anent Depositic Soils:	Direction NE Success d Soil Conduction sits in Feature	Descripti	on Othe around Feature:	No. Di		
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot Additional Char Describe Bed Minum Describe Sedime Presence of Hyden	No. 648 649 650 651 o: 652 racteristi aterial an ent Depo	Direction Nt Sw ics d Soil Cond sits in Featu	Descripti	on Othe around Feature: oodplain - Recent / F	No. Di		
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot Additional Char Describe Bed Minum Presence of Hyden	No. 648 649 650 651 o: 652 racteristi aterial an ent Depo	Direction WE Sw ics d Soil Cond sits in Featu	Descripti Descripti In Feature (ty)	on Othe around Feature: oodplain - Recent / Hope, amount, location):	No. Di		
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot Additional Char Describe Bed Man Describe Sediment Presence of Hyde Describe Debris Describe Debris Seepage Areas	No. 648 649 650 651 o: 652 racteristi aterial an ent Depo	Direction WE Sw ics d Soil Cond sits in Featu	Descripti Descripti In Feature (ty)	on Othe around Feature: oodplain - Recent / F	No. Di		
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Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot Additional Char Describe Bed Man Describe Sedime Presence of Hyd Describe Debris Persence of Hyd Circle any prese Water Body Del Flow Regime:	No. 648 649 650 651 o: 653 racteristicaterial and liric Soils: and / or continuous of the continuous o	Direction Nt Sw ics d Soil Cond sits in Featu Leaf Litter in 1 4/b// / Evidence Mussel She On Permane	Descripti Descripti Ilitions in and ure and on Fl frame, h of High Wate	on Othe around Feature: oodplain - Recent / H pe, amount, location): A critical debuts	No. Di	Insect Larvae ir	scription
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot Additional Char Describe Bed Man Describe Sedime Presence of Hyde Describe Debris Describe Debris Ona Seepage Areas Attached Adgas (Circle any prese Water Body Det Flow Regime: Evidence of Water	No. 648 649 650 651 o: 652 racteristicaterial and pent Depoint Continuous (Continuous Continuous Co	Direction WE Show ics d Soil Cond sits in Featu Leaf Litter in Fevidence Mussel She On Permane Status:	Descripti Descripti Ititions in and ure and on Flature (type the proof of High Water (list, Crayfish water) Water (list, Crayfish (list, Crayfish (list))	on Othe around Feature: oodplain - Recent / Fer Table in or near Fer Chimneys or Exoske er Body? Yes IV Intermittent	No. Di	Insect Larvae ir	scription
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot Additional Char Describe Bed Man Describe Sedime Presence of Hyde Describe Debris Describe Debris Ona Seepage Areas Attached Adgas (Circle any prese Water Body Det Flow Regime: Evidence of Water	No. 648 649 650 651 o: 652 racteristicaterial and pent Depoint Continuous (Continuous Continuous Co	Direction WE Show ics d Soil Cond sits in Featu Leaf Litter in Fevidence Mussel She On Permane Status:	Descripti Descripti Ilitions in and ure and on Fl frame, h of High Wate	on Othe around Feature: oodplain - Recent / Fer Table in or near Fer Chimneys or Exoske er Body? Yes IV Intermittent	No. Di	Insect Larvae ir	scription



Project (No. & N					rieiu	Staff: 136 13		
Survey Date:	23 APR 15		Weather Cond	ditions				
Time Started:	1010	***************************************	Temp (°C), Wi	nd, Cloud Cove	er (%), Precip	itation:⑺ ,	,4NW,100)'/· K
Time Finished:	1020		Precipitation in	n Prior 48hrs (m	nm): No ac	+a	V	
Site Code:	St Itala			GPS Locati	on	F	stimated Length	Assessed
Feature Name:	***********	Dv	***************************************		0395177	************	• * * * * • • • • • • • • • • • • • • •	********************
Drainage System	· C /	-15t bown	Thomas	Northing:	4702421	************	Downstream:	
Location in Syste		************	***************************************	Water Body			DOWNSticani.	*******************************
Channel Charge	torictics of	Clay mon	oov 1.i				o nond Online	o/Offline
Channel Charac Straight	teristics ai		Joan de sine (IV)	Lake		☐ Man-made	***************************************	e/Offline
	······································		Meandering (H/M	I/L Sinuosity):		Defined	Poorly	
Standing vv	ater	LL	₋ow Flow / Basef	low	Ц	Moderate Flo	ow 🔲 High /	Flood Flow
✓ Freshet Flo	W	Munnelize d	O _L	D tl- />-				***************************************
Avg. Vveiled vvid	l[] ([]]).		Avg. vvater	Depth (m):	0.15	iviax Po	ool Depth (m): 🙉 🛂	• · ******************
Avg. Bankfull Wid	im (m):		Avg. Bankīt	JII Depth (m):	0.5		F'	***********************
Substrate Compo			ılaer: —	Cobble:	<u>G</u> r	avel:	Fines: 🍪	******************************
Bed Morphology		Flat		Riffle:	Ru		Pool: 🙌	*************************
Bank Slope & Sta	ability: \mathcal{H}_{c_3}	h Slopt	Hyh51-616	'fy.	⊢e.	ature Gradiei	nt (H/M/じ): LGW	*****************************
Other Comments	Chan	dized Or	w no	nuite Flor	*************************		************************************	************************
****	********************		**********************************		******************************	*************	***************************************	*******************************
Instream Aquation	c Habitat	*************	*************************************	***************************************	**************************	**************	*********************************	**************************
Features (e.g. wo	ody debris,	, undercut ba	anks): nove -	Recently	Cleoned	************************	***************************************	************************
vegetation (with	⁄o dominan	t): $P_{ m otths}$	of colle	.:1 sp (10	0 %)		***************************************	*************************
Surface Water Q			************************************	%			***************************************	
Temp (°C):	6 Tu	rbidity (L/ M /)	H):MEDIUM CO	lour: 🕖 🛶	Co	mments:		
Riparian Habitat						<u> </u>		
Vegetation:	T,	Grisses	************************************	-1>>		*******************	**************************************	***************************************
Canopy Cover (%	and speci	es): 🐧				********************	*******************************	********************************
Adjacent Land Us			***************************************	X***X*******************************	************************	4×7**4×9**4××*4×27***××*7**4×	**********************************	***************************
General Comme		observed u	nusual conditions	s culvert/hridae	description	aroundwater	r indicators and des	scription)
					s ucachibilion.	urounuwater		
			*******************************	s, carverraniage	e description,	groundwater		Son Priori
No Fish	Ope		***************************************	s, carverronage		groundwater		
No Fish No Flor	082 082				***************************************	groundwater		
No Fish No Flor	082 082		Sparse 1		***************************************	groundwater		
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Survey Date:	23 A	PRIT	Weather Con	ditions		
Time Started:	1025	. 	Temp (°C), W	ind, Cloud Cover (%),	Precipitation: 0.7	°, 4NW, 100%, \$
Time Finished:	1034	ົ	Precipitation i	n Prior 48hrs (mm): 🖊	In dota	
Site Code:	SULT	020	***************************************	GPS Location	E:	stimated Length Assessed
Feature Name:	Unne	med dr	**************	Easting: 03.94:	7.90	Upstream: மும்
Drainage System	i: Shul	k wist be	a Thomas	Northing: 47020	92	Downstream: 🚜
Location in Syste	m: orlo	ing Claybou	ve bh	Northing: 47020 Water Body No.	199	
Channel Charac	tarietic	s and Mornh	alla voolo	□ Lake □ Pond	d	e pond Online/Offline
☑ Straight	****************		Meandering (H/N	//L Sinuosity): flow	☐ Defined	□ Poorly Defined
Standing W	/ater		Low Flow / Base	flow	☐ Moderate Flo	w 🔲 High / Flood Flow
ı 🖙 Fresnet Fio	w	(1> 1 11.			***************************************
Avg. Wetted Wid	th (m):	1:0	Avg. Water	r Depth (m): 🔼 🗸 🗸	Max Po	ool Depth (m): 🔗 🌯
IAVO. Banktuli VVI	ath (m):	(• °)	Avg. Bankf	full Depth (m): 🔗 😽		
Substrate Compo	osition (%) B	Boulder:	Cobble:	Gravel.	Fines: 🐠
Bed Morphology	(%)	F	lat:	Riffle:	Run:	Pool: 🔊
Bank Slope & Sta	ability:	HILL SIDER	Moderte Stabili	12	Feature Gradier	nt (H/M <i>/</i> 内): L <i>owl</i>
Other Comments	: Chan	11211 00			******	
***************************************	No Was	ible flow	***************************************		***************************************	
***************************************	******					
Instream Aquati	c Habit	at				
			banks): none			***************************************
Vegetation (with	% domi	nant): 🏎	milifoil (160%	e.J		***************************************
Surface Water C	Quality		รีย์ในนารค์กับรีรีกับราคที่สะที่การครั้งการสารการสำหรับกับกับกับกับกับกับกับกับกับกับกับกับกั		xxxx4xx4xxxxx4xxxxxxxxxxxxxxxxxxxxxxxx	***************************************
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Vegetation:	T.G.	«.c		***************************************		***************************************
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Canopy Cover (% Adjacent Land U	66.	Jecies).	Ž(***************************************	***************************************	***************************************
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						indicators and description)
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No Fis. Poarly dif	h obs, Gerð	IVo Chareii 7: d	Flow Wasible	**************************************		
No Fis.	No.	No Chameleze d	Flor Massible		***************************************	Description
No Fis. Really Life Photographs Upstream:	h obs, Pinck No. 658	No Chamelesed Direction	Flow Wasible	**************************************		
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Project (No. & Na	ame):	1612	N. Kent		Field	Staff: B	i R	
Survey Date:	23 API	315	Weather	Conditions	******	***************************************	***************************************	4220444204431044304430443044
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Time Finished:	1055		Precipita	tion in Prior 48hrs ('mm): 10 Not	3.		
Site Code: Sw		21		GPS Loca			stimated Length	Assessed
Feature Name:	Uh m.	med No	*********************************	Easting:	0394521		Upstream:)5	
Drainage System:			me Thank	*******************	4701842	************	Downstream: 🕰	***************
Location in Syster			RO/ clay moore	**************************************	y No. 184		************************************	
Channel Charact		and Morr	phology ***			☐ Man-made	pond Onlin	e/Offline
****************	*************	*****************	☐ Meandering	(H/M/L Sinuosity):		Defined	Poorl	
Straight Standing W	ater	***************************************	☐ Low Flow / I			Moderate Flo	w □ High	/ Flood Flow
Freshet Flow	~ V	/ l	elized Os					
Avg. Wetted Widt				Vater Depth (m):	0.15	Max Po	ool Depth (m): 🚜	****************************
Avg. Wetted Widt Avg. Bankfull Wid		J-0		Bankfull Depth (m):	***************			***************************************
Substrate Compo	sition (%					avel:	Fines: 13	******************************
Bed Morphology (%)	×1	Boulder: Flat:	Riffle:	Rui	************************	Pool:	***************************************
Bank Slope & Sta			lege Poderic			************	nt (H/M/ Ø): L ⊘√/	**************************************
Other Comments:		Hyh S	ryer				The state of the s	*****************
Channe			Od Vissilit	Por	***************************************	4277442274422744224444444444444444444	***************************************	
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Instream Aquatio	Habita	nt					* \$ \$	
Features (e.g. wo			ut banke).	Dense CoHail	do hi se	*****************************	***************************************	***********************
Vegetation (with 6	6 domin	ant).	Calla I for	Jens, Cotta, 1	de buls Wester million	(40°2)	***************************************	
Surface Water Q	ualitv				Att / W	v - CV	***************************************	***************************************
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Riparian Habitat		and unity (# · · · · · / · · · · · · · · · · · · ·	JOIGUI. GARR				
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Vegetation:			hrag		***************************************	*****************************	XX************************************	. ~ 4 % 4 % 9 4 % 2 % 2 % 2 % 2 % 2 % 2 % 2 % 2 % 2 %
Canopy Cover (%		ecies): 🚫 <i>AG</i>	, 		******************************	***************************************	***************************************	
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Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Mate Presence of Hydro Describe Debris a Describe Debris a Describe Additional Chara Company parto Seepage Areas / Naccompany preserved Attached Algae, C (Circle any preserved)	No. 663 664 665 666 6 668 cteristi erial an nt Depoi	Direction WE SE 67 CS d Soil Conditions sits in Feat	Description Description ditions in and a ure and on Floor in Feature (type	round Feature: odplain - Recent / Headers and the second	No. IT: Historic: eature:	Direction	Description	ture
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Mat Describe Sedimer Presence of Hydri — Describe Debris a Describe Debris a Seepage Areas / Attached Algae, C (Circle any preser	No. 663 664 665 666 6 668 cteristicerial and for long for	Direction WE SE 67 GE 67 GE 68 CS CS CS CS CS CS CS CS CS C	Description Description ditions in and a ure and on Floo in Feature (type of High Water ells, Crayfish Cl	round Feature: odplain - Recent / He e,amount, location): Table in or near Feature:	No. IT: Historic: eature: Itons, or Aquati	Direction	Description	ture
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Mat Describe Sedimer Presence of Hydri — Describe Debris a Dense paice Seepage Areas / Nac Attached Algae, C (Circle any preser Water Body Dete Flow Regime:	No. 663 664 665 666 67 666 67 666 67 667 667 667 66	Direction WE SE 67 cs d Soil Cond sits in Feat Leaf Litter if F CH-1 / Evidence Mussel She on Perman	Description Description ditions in and a ure and on Floo in Feature (type of High Water ells, Crayfish Cl	round Feature: odplain - Recent / He e,amount, location): Table in or near Feature:	No. IT: Historic: eature: Itons, or Aquati	Direction	Description	ture
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NATURAL RESOURCE SOLUTIONS INC. Aquatic, Terrestrial and Wetland Biologists

Project (No. &	Name):	161a	NKent		Fiel	d Staff: BE	В	
Survey Date:		215	Weathe	r Conditions	7			
Time Started:	1310	L.574	Temp (°	C), Wind, Cloud	Cover (%), Prec	ioitation: / ۱၀	, 4 WWW, 10c	¬¹1 Ø.
Time Finished:			Precipit	ation in Prior 48h	rs (mm): No d	outca.	T VV · IV	1.2. y 50
Site Code:	SWLT	026		GPS Lo			stimated Length	Assessed
Feature Name:	Unna	ned Dr	******************************	Easting:	039477	<u>4</u>		
Drainage Syster	n: Sout	(West 1	Low Thans	- Northing]: 470/546	A	Downstream: 1 -	70
Location in Syst	em: 🔐	lons Ba	illom RD	Water E	Rody No. 💢 🍹	Š	XX****XXX***XXXX**********************	,43394447744437444374443744427444274
Channel Chara	cteristic	s and Mor	phology 👌	A ☐ Lake	☐ Pond		e pond Online	e/Offline
☑∕ Straight			Meanderin	g (H/M/L Sinuosit	ty): \square		☐ Poorly	
□ Straight □ Standing V	Vater]	Low Flow /	Baseflow		Moderate Flo	ow 🔲 High /	/ Flood Flow
	ow (Channelizes	$^{\circ}$ ρ_{ν}					******************************
Avg. Wetted Wid		Ĭ*9	Avg.	Water Depth (m)	. 0-1	Max Po	ool Depth (m): o · l	***************************************
Avg. Banktull vv	idth (m):	2.5	Avg.	Bankfull Depth (n	n): <i>O,</i> Z		· · · · · · · · · · · · · · · · · · ·	
Substrate Comp	osition (%)	Boulder: -	Copple:		Fravel: 20	Fines: 80	X++4XP++44X+++4X+++4+++++++++++++++++++
Bed Morphology		La/	Flat: 40	Riffle:		Run: <i>30</i> Seature Gradie		**************************************
Other Comment	lability.	75h Slope	Low 1	Phity	***************************************	eature Gradie	ent (H/M/Ø): Low	<u> </u>
	5. 1214	<u>^</u>	***********************************	*******************************	· (.4*****************************		-4
Zabahari.	24.4	.l.J.V	**************************************	ET************************************	: XX + 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	*****************************	***************************************	***************************************
Instream Aquat	ic Habit	at						
			cut banks):	Dense Patch	e of Collat	dibes	***************************************	
Vegetation (with	% domi	nant):	Coothers Co	(O)	S			
Surface Water			20 Marie Maria 20 Marie 20 Mar			******************************	XP++47*P+427*+42P+42B++42B++42B++43B++43B++44B++44B++44B+	***************************************
		Turbidity (ØM/H): \o∾	Colour: Cle	6 C	omments:	**************************************	<pre><pre></pre></pre>
Riparian Habita	it							
Vegetation:	T.6.	16.7585			***************************************		***************************************	***************************************
Canopy Cover (% and sp	pecies):	Q	***************************************				
Adjacent Land U	Jse:	14	6					168100000000000000000000000000000000000
			*					the state of the s
General Comm	ents (F	ish observe	ed, unusual cor	nditions, culvert/b	ridgė descriptio	ո, groundwate	r indicators and de	scription)
1/6 Fisi	ents (F	ish observe	ed, unusual cor			า, groundwate	r indicators and de	scription)
General Commo	ents (F	ish observe	ed, unusual cor	nditions, culvert/b		n, groundwate	r indicators and de	scription)
1/6 Fisi	ents (F	ish observe	ed, unusual cor			n, groundwate	r indicators and de	scription)
No Fisi Roorly de	ents (F h ob	ish observe	ed, unusual cor	ging hank	V2.7			scription)
No Fig.	ents (F	ish observe	ed, unusual cor	gie, beek on	Ve)	n, groundwate	r indicators and de	scription)
Photographs Upstream:	ents (F	ish observe	ed, unusual cor	gie, beek on	V2.7			scription)
No Fig.	ents (F	ish observe	ed, unusual cor	gie, beek on	Ve)			scription)
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Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot	No. 703 704 705 706	Direction SE SV	ed, unusual cor	gie, beek on	Ve)			scription)
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation:	No. 703 704 705 706	Direction SE SV	ed, unusual cor	gie, beek on	No.			scription)
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Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Phot Additional Char Describe Bed Ma Describe Sedime Presence of Hyd Describe Debris Person patche Seepage Areas Mone Attached Algae, (Circle any prese Water Body Det Flow Regime:	No. 703 704 705 racterist aterial are ent Deported for Springs Clam or ent) No. Clam or ent) No.	Direction Who served SE SI Ics Ind Soil Con Sits in Feat Cath Ich Ich Ich Ich Ich Ich Ich I	Description Descri	e,amount, location Theogle ovi	No. her: / Historic: n): Feature: keltons, or Aqua	Direction atic Insect Lan	Description vae in or near Feat	ure
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Field Staff: Project (No. & Name): 1612 - North Kent Steve B. **Weather Conditions** Survey Date: April 24, 2015 Temp (°C), Wind, Cloud Cover (%), Precipitation: 1°C, 3, 10%, None Time Started: 9:03 Time Finished: Precipitation in Prior 48hrs (mm): No data 9:15 **GPS Location** Site Code: **Estimated Length Assessed** SWLT - 057 Feature Name: Ungned drain Easting: Upstream: 394649 Drainage System: Court Thams 12:181 Northing: Downstream: 4699329 Location in System: Beer Line at Bellehove Line Water Body No. 196 Channel Characteristics and Morphology ⋈ / ⋈ □ Lake □ Pond □ Man-made pond Online/Offline ✓ Straight ☐ Meandering (H/M/L Sinuosity): ☐ Defined Poorly Defined Low Flow / Baseflow minimal flow ☐ Moderate Flow ☐ High / Flood Flow ☐ Standing Water ☐ Freshet Flow Avg. Wetted Width (m): 1.4
Avg. Bankfull Width (m): 2,3 0.13 Avg. vvaler Dop...

Avg. Bankfull Depth (m): 0.90 Max Pool Depth (m): 0.15 Substrate Composition (%) 100% Boulder: - Cobble: Gravel: Bed Morphology (%) Riffle: -Flat: 100% Run: Pool: Bank Slope & Stability: "75" Hability fair/good Feature Gradient (H/M/L): Other Comments: -Instream Aquatic Habitat Features (e.g. woody debris, undercut banks): Vegetation (with % dominant): Callail 100% Surface Water Quality Turbidity (L/M/H): Temp (°C): 1.5°C Colour: L Comments: Riparian Habitat Vegetation: Grass, horsefail, herbaceous plants Canopy Cover (% and species): (edar hedge on N side (morning shade) Adjacent Land Use: Road to 5 agricultural General Comments (Fish observed, unusual conditions, culvert/bridge description, groundwater indicators and description) Photographs No. Direction Description No. Direction Description Other: Upstream: 0037 NW Downstream: 0038 Feature Bed: 0039 Culvert / Bridge: 0046 Vegetation: 0039 Landscape Photo: -Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature: Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or Aquatic Insect Larvae in or near Feature (Circle any present) Non! Water Body? ☑ Yes ☐ No ☐ Additional evidence required Water Body Determination ☐ Permanent ☐ Intermittent ☐ Ephemeral Flow Regime: Evidence of Water Body Status:

2	NATURAL	RESOURCE	S OLUTIONS	INC.
5	Aquatic, Terrestr	ial and Wetland Bio	logists	

Project (No. & N	ame):	1612 .	North Hent		Field Staff:	Steve B.	
Survey Date:	April 2	14,2015	Weather Co	onditions			
Time Started:	8:47		Temp (°C), '	Wind, Cloud Cover (%)	, Precipitation:	1°C, 4, 0%, No	se .
Time Finished:	9.00		Precipitation	n in Prior 48hrs (mm):	No data		
Site Code:	SWLT	- 056		GPS Location		Estimated Length Asses	ssed
Feature Name:	CAA.1	ined drain		Easting: 3९५७	49	Upstream: 100 m	
Drainage System	1 100	for Thangs	s Rm.	Northing: ५६११३	41	Downstream: 100 m	
Location in Syste	m: Bear	Line at R	ella Rose Line	Water Body No.	187	***************************************	
Channel Charac	teristic	s and Morph	hology ALA	☐ Lake ☐ Por		de pond Online/Offli	ne
☑ Straight	THE WAY		Meandering (H	/M/L Sinuosity):	✓ Defined	Poorly Defi	
✓ Straight✓ Standing W✓ Freshet Flo	/ater	~	Low Flow / Bas	seflow flow very minim	al ☐ Moderate F	low High / Floor	
☐ Freshet Flo	W		***************************************			······································	
Avg. Wetted Wid	th (m):	1.4	Avg. Wat	ter Depth (m): 0.13	Max F	Pool Depth (m): N/A	
Avg. Bankfull Wid Substrate Compo	dth (m):	2.2	Avg. Ban	kfull Depth (m): 0,9			
Substrate Compo	osition (^a	%) E	Boulder: -	Cobble: -	Gravel:	Fines: 100 %	
Bed Morphology	(%)	F	Flat: 100%	Riffle:	Run: -	Pool: -	
Bank Slope & Sta	ability:	~ 75°	stability fair	Riffle	Feature Gradie	ent (H/M/L):	
Other Comments	. —						
							i i i i i i i i i i i i i i i i i i i
1001100-01-1200-00-00-00-00-00-00-00-00-00-00-00-00-				-3/11/27/31/20/00/00/00/00/00/00/00/00/00/00/00/00/			
Instream Aquati				(54) 10 (10 (10 (10 (10 (10 (10 (10 (10 (10			
Features (e.g. wo	ody del	oris, undercu	ıt banks):	None			
Vegetation (with	% domir	nant): org	gamic delanis Ch	orbaceous stalks),	duckweed	and gae un more and a second	
Surface water c	luanty						
Temp (°C): 1.5		Turbidity (L/	/M/H): L	Colour: None	Comments:		
Riparian Habitat		HAHOOKKO 11-10-10-10-10	and worth, strong and a	**			·
Vegetation:	Gras	hesbace	ous plants				
Canopy Cover (%	6 and sp	ecies): 🔾	edar hedge	N side (morning shade)		
Adjacent Land Us	20'	Band to	Sagn	- 11 - 00 000 11. 00.1			
			7, 50-0	wally agricultural			
General Comme			d, unusual condition	ons, culvert/bridge des	cription, groundwate	er indicators and descripti	on)
General Comme • No fish	ents (F	ish observed	d, unusual condition	ons, culvert/bridge des	cription, groundwate	er indicators and descripti	on)
General Comme • No fish	ents (F	ish observed	d, unusual conditi	ons, culvert/bridge des	cription, groundwate	er indicators and descripti	on)
General Comme	ents (F	ish observed	d, unusual conditi	ons, culvert/bridge des	cription, groundwate	er indicators and descripti	on)
General Comme • Ne fish • Garbage	ents (F	ish observed	d, unusual coffdition	ons, culvert/bridge des	cription, groundwate		on)
General Comme • Ne fish • Garbage Photographs	No.	ish observed	d, unusual condition	ons,/culvert/bridge des	cription, groundwate	er indicators and descripti	on)
• Ne fish • Garbage Photographs Upstream:	No.	bunnel Direction	d, unusual coffdition	ons, culvert/bridge des	cription, groundwate		on)
Photographs Upstream: Downstream:	No. 0035	bunnel Direction	d, unusual coffdition	ons,/culvert/bridge des	cription, groundwate		on)
Photographs Upstream: Downstream: Feature Bed:	No.	bunnel Direction	d, unusual coffdition	ons,/culvert/bridge des	cription, groundwate		on)
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge:	No. 0035 0036	bunnel Direction	d, unusual coffdition	ons,/culvert/bridge des	cription, groundwate		on)
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation:	No. 0035 0036	bunnel Direction	d, unusual coffdition	ons,/culvert/bridge des	cription, groundwate		on)
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photographs	No. 0035 0036	Direction	d, unusual coffdition	ons,/culvert/bridge des	cription, groundwate		on)
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara	No. 0035 0036 0036 0036 0036	Direction NW SE	Description	ons, /culvert/bridge des	cription, groundwate		on)
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photographs	No. 0035 0036 0036 0036 0036	Direction NW SE	Description	ons, /culvert/bridge des	cription, groundwate		on)
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma	No. 0039 0035 0036 0036 cacterist	Direction NW SE ics	Description	Other:	No. Direction		on)
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma	No. 0039 0035 0036 0036 cacterist	Direction NW SE ics	Description	ons, /culvert/bridge des	No. Direction		on)
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Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sedime Presence of Hydromatical Chara Describe Debris a	No. No. No. No. No. No. No. No.	Direction NW SE ics ad Soil Condi	Description itions in and arou	Other: Idain - Recent / Historic	No. Direction		on)
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Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sedime Presence of Hydro Describe Debris a Seepage Areas / Attached Algae, (Circle any prese Water Body Deter	No. No. No. No. No. No. No. No.	Direction NW SE ics and Soil Conditionsits in Feature Leaf Litter in Mussel Shel	Description itions in and arouse and on Floodp n Feature (type,ars) of High Water Ta	Other: Other: Idain - Recent / Historic mount, location): ble in or near Feature: meys or Exoskeltons, cody?	No. Direction No. Prection The precipitation of t	Description	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sedime Presence of Hydro Describe Debris a Seepage Areas / Attached Algae, (Circle any prese Water Body Deter Flow Regime:	No. No. No. No. No. No. No. No.	Direction NW SE ics and Soil Condition E / Evidence of Mussel Shell ion Permane	Description itions in and arouse and on Floodp n Feature (type,ars) of High Water Ta	Other: Other: Idain - Recent / Historic mount, location): ble in or near Feature: neys or Exoskeltons, or	No. Direction	Description The second of the	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sedime Presence of Hydro Describe Debris a Seepage Areas / Attached Algae, (Circle any prese Water Body Deter	No. No. No. No. No. No. No. No.	Direction NW SE ics and Soil Condition E / Evidence of Mussel Shell ion Permane	Description itions in and arouse and on Floodp n Feature (type,ars) of High Water Ta	Other: Other: Idain - Recent / Historic mount, location): ble in or near Feature: meys or Exoskeltons, cody?	No. Direction No. Prection The precipitation of t	Description The second of the	



Project (No. & N			orth Kent		- 110	id Staff:	Stevi	()	
Survey Date:	April	24, 2015		Conditions					
Time Started:	8:3	35), Wind, Cloud C				1'C, 4	0°6 None
Time Finished:	8:	-15	Precipitat	ion in Prior 48hrs		ata			
	WLT .			GPS Loc	ation		Es	stimated Le	ength Assessed
Feature Name:	unar	ud drain		Easting:	394958			Upstream:	100
Drainage System	: La	ver Thane	s River	Northing:	394958 4 698966 ody No.			Downstrea	m: 100
Location in Syste	m: ც	0-11:00 a	nd Bellepine	Water Bo	ody No.	8		***************************************	···························· ··· ·······
Channel Charac	teristic	s and Morp	hology N/P	☐ Lake	☐ Pond	☐ Ma	n-made	pond	Online/Offline
☑ Straight			☐ Meandering	(H/M/L Sinuosity	/):	Define			Poorly Defined
	ater		Low Flow / E	Baseflow			rate Flo		High / Flood Flov
☐ Freshet Flo		MISSINGS CONTRIBUTION				MANUAL INCOME.		аминастичновый водин	
Avg. Wetted Widt	th (m):	1.0	Avg. V	Vater Depth (m):	0,1		Max Po	ol Depth (m): 0.13
Avg. Bankfull Wid	erisinelselerisisis		Avg. B	ankfull Depth (m		111111111111111111111111111111111111111		arrangement from the control of	Continue of Street, and Continue of the Contin
Substrate Compo	sition ((%)	Boulder:	Cobble:		Gravel:		Fines	s: 100 %
IRad Marabalagy	/0/_\		Flat: 100%	Riffle:		Run:		Pool:	-
Bank Slope & Sta	bility:	~75°	Schillte fo			Feature	Gradien	t (H/M/L):	L
Other Comments	rnieti Hedionin		minuse occurrence of the contract of	Tel contraction of the contraction of					***************************************
**************************************	*************							***************************************	
								1-1	
Instream Aquation	. Habit	tat							
Features (e.g. wo			it hanks)	None		011111111111111111111111111111111111111		100001100110011010101011	
Vegetation (with			Algae			000000000000000000000000000000000000000	-0		***************************************
Surface Water Q		// // // // // // // // // // // // //	13						
Temp (°C): 1,5°		Turbidity (L	/M/H)· t	Colour: /	Vone	Commer	ıte.	_	
Riparian Habitat		raibiaity (L	/1VI//11//.	Colour. 1	V0/18	COMMITTEE			
Vogetetion		0.11			Cr. 3.57				
Vegetation: Canopy Cover (%	Grass	Latte	NI LIGE	paceous	Horsetail	viliane (00) estate (14)			
Canopy Cover (%	and s	pecies):	Ledar hed	se on N	side Cr	norning.	Shoole	.)	
Adjacent Land Us			S. agri	cultural					
									ING GEOGRAPION I
General Comme		-isn observed	u, unusuai conc	altions, cuivert/br	lage description	on, grour	uwater	iliulcators a	ind description)
+ No fish			u, unusuai conc	litions, culver/br	iage description	n, grour	iuwater	indicators a	
+ No fish			u, unusual conc	altions, culver/or	age description	on, grour	uwater	indicators a	
\$0.00.1803389330499049914000338977748904100900000			u, unusual conc	utions, cuiver/or	age description	on, grour	uwater	indicators a	ind description)
· No fish · Gorboge		Charnel						illucators a	ind description)
No fish Gray bage Photographs			Description			. Direc		Descriptio	
No fish Gray bage Photographs		Charnel							
• No fish • Granburg Photographs Upstream:	No.	Direction			No				
Photographs Upstream: Downstream:	No.	Direction			No				
Photographs Upstream: Downstream: Feature Bed:	No. ∞31 ∞32	Direction			No				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge:	No. ∞31 ∞32	Direction			No				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation:	No. 0031 0032 0033	Direction			No				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo	No. 0031 0032 0033	Direction NW SE			No				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara	No. 0031, 0031, 0033, 0033	Direction NW SE	Description	Oth	No				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara	No. 0031, 0031, 0033, 0033	Direction NW SE	Description	Oth	No				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma	No. 0031 0032 0033 0033 cod33 cod33 cod33 cod33 cod33 cod33	Direction NW SE tics nd Soil Cond	Description	Oth	No ner.				
+ No fish	No. 0031 0032 0033 0033 cod33 cod33 cod33 cod33 cod33 cod33	Direction NW SE tics nd Soil Cond	Description	Oth	No ner.				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma	No. OO31 OO32 OO33 Cooss acteristerial a	Direction NW SE tics nd Soil Cond osits in Featu	Description	Oth	No ner.				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Mar	No. OO31 OO32 OO33 Cooss acteristerial a	Direction NW SE tics nd Soil Cond osits in Featu	Description	Oth	No ner.				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sedimer	No. 0031 0032 0033 constraint of the constra	Direction NW SE tics nd Soil Cond osits in Featu	Description June and on Floo	ound Feature:	No ner:				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma	No. 0031 0032 0033 constraint of the constra	Direction NW SE tics nd Soil Cond osits in Featu	Description June and on Floo	ound Feature:	No ner:				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sediment Presence of Hydro	No. oo31 oo32 oo33 cod33 cod34	Direction NW SE tics nd Soil Cond osits in Feature:	Description Jitions in and ar ure and on Floo	ound Feature: dplain - Recent /	Noner: ' Historic:				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sedimer	No. oo31 oo32 oo33 cod33 cod34	Direction NW SE tics nd Soil Cond osits in Feature:	Description Jitions in and ar ure and on Floo	ound Feature: dplain - Recent /	Noner: ' Historic:				
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sediment Presence of Hydro Describe Debris a Seepage Areas /	No. OO31 OO33 OO33 Cooss Terial a nt Depo	Direction NW SE tics nd Soil Cond osits in Feature: Leaf Litter in	Description litions in and ar ure and on Floo n Feature (type	ound Feature: dplain - Recent /	Noner:	. Direc	tion	Descriptio	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Mar Describe Sediment Presence of Hydro Describe Debris and Seepage Areas /	No. OO31 OO32 OO33 cooss acterist derial a ant Depoic Soils and / or Springs	Direction NW SE tics nd Soil Cond osits in Feature: Leaf Litter in	Description litions in and ar ure and on Floo n Feature (type	ound Feature: dplain - Recent /	Noner:	. Direc	tion	Descriptio	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sediment Presence of Hydro Describe Debris a Seepage Areas / Attached Algae (Circle any present)	No. OC31 OC31 OC33 CO33 C	Direction NW SE tics Ind Soil Cond osits in Feature Leaf Litter in s / Evidence Mussel She	Description Jitions in and ar Jure and on Floo The Feature (type) of High Water Ells, Crayfish Ch	ound Feature: dplain - Recent / ,amount, location Table in or near	Noner: Historic: Peature: eltons, or Aque	. Direc	tion	Description————————————————————————————————————	r Feature
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sedimer Presence of Hydr Describe Debris a Seepage Areas / Attached Algae (Circle any preser	No. OC31 OC31 OC33 CO33 C	Direction NW SE tics nd Soil Cond osits in Feature Leaf Litter in s / Evidence Mussel She tion	Description Jitions in and ar Jure and on Floo The Feature (type of High Water Sills, Crayfish Ch	ound Feature: dplain - Recent / amount, location Table in or near imneys or Exosk	Noner:	. Direc	tion	Description————————————————————————————————————	
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sediment Presence of Hydro Describe Debris a Seepage Areas / Non Attached Algae Corcle any present Water Body Deter Flow Regime:	No. OO31 OO33 OO33 Clam or ont) Prmina	Direction NW SE tics nd Soil Cond osits in Feature Leaf Litter in y Evidence Mussel She tion Permane	Description Jitions in and ar Jure and on Floo The Feature (type of High Water Sills, Crayfish Ch	ound Feature: dplain - Recent / ,amount, location Table in or near	Noner:	. Direc	tion	Description————————————————————————————————————	r Feature
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Describe Sedimer Presence of Hydr Describe Debris a Seepage Areas / Attached Algae (Circle any preser	No. OO31 OO33 OO33 Clam or ont) Prmina	Direction NW SE tics nd Soil Cond osits in Feature Leaf Litter in y Evidence Mussel She tion Permane	Description Jitions in and ar Jure and on Floo The Feature (type of High Water Sills, Crayfish Ch	ound Feature: dplain - Recent / amount, location Table in or near imneys or Exosk	Noner:	. Direc	tion	Description————————————————————————————————————	r Feature

	NATURAL	RESOURCE	SOLUTIONS	INC.
(4)	Aquatic, Terrestri	al and Wetland Bio	logists	

Project (No. & Nan	ne): 1612 - North	. Kent		ield Staff: ട്വം	eB.	
Survey Date: 🗛	ril 23, 2015	Weather Cond				
Time Started: "//	5:05		nd, Cloud Cover (%), P		, 5, 100%	None.
	:25	Precipitation in	Prior 48hrs (mm): //J	o dota		***************************************
Site Code: 51	NLT - 052		GPS Location		stimated Lengt	th Assessed
Feature Name: 🗸	named Or		Easting: 39521 9		Upstream: ,	
Drainage System:	SW Lower Tr	ianos hiver	Northing: ৭6,৭% ১% ১		Downstream:	100 m
Location in System:	St. Andrews Line	at Rear Line	Water Body No.	139		
Channel Characte	ristics and Morph	ology NID	☐ Lake ☐ Pond	☐ Man-made	pond On	line/Offline
☑ Straight		Meandering (H/M/	'L Sinuosity):	✓ Defined		orly Defined
Standing Wat	er 🗹	Low Flow / Basefl	OW	☐ Moderate Flo	w 🔲 Hig	h / Flood Flow
☐ Freshet Flow		***************************************	***************************************	***************************************	******************	*************************************
Avg. Wetted Width	(m): 35	Avg. Water		Max Po	ool Depth (m):	N/A
Avg. Bankfull Width	i (m): 4.5	Avg. Bankfu	II Depth (m): 1.2		·····	
Substrate Composi		Oulder.	Cobble:	Gravel: 5% (d/s)		100% (u/s) 95%
Bed Morphology (%	o) F llity: 50 - 75°	lat: 95°6	Riffle: 5% into culvert		Pool: -	(U/s)
Bank Slope & Stabi	lity: 50 - 75	, poor /fair		Feature Gradier	it (H/M/L):	***************************************
Other Comments:		***********************************	***************************************	*************************************	***************************************	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
***************************************	***************************************	***************************************	***************************************	***************************************	***********************************	********************************
Instream Aquatic I	Jahitat					
Features (e.g. wood	labitat Iv dobrie undorcut	hanke):	·	***************************************	Z7***AX>***XX***XX>**XX>**XX	***************************************
Vegetation (with %	dominant):	banks): None	1 44 004	1 - / 1/1	1,nU/	***************************************
Surface Water Qua	ality	agmies along	edges 90%	algae / catterits	10%	***************************************
Temp (°C): 5.5		M/H): , Col	our: dialth cloud.	Comments: —		************************************
Riparian Habitat	Turblaity (E/I	VI/11). [COI	our: slightly cloudy	Comments.		
********************)			***************************************	*****************************	>>+4X}>+4X
	brass shrubs	trees (Ws)	None (d/s)		17.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Canopy Cover (% a Adjacent Land Use	nu species). 5	6 (cedas, maple	, shrubs) ws	N/s	ne ol/s	***********************************
· No fish o	bserved					
Photographs	No. Direction	Description	}	No. Direction	Description	
Upstream:	0013 NE			>/8 -	chimney	***************************************
Downstream:	DOIS W	***************************************	***************************************			***************************************
Feature Bed:	0017 (d/s) 00	20 (N/S)	***************************************	**********************************	/*************************************	>***XXX*****XXX***XXXX****XXX**********
Culvert / Bridge:	0016 (d/s) 00			************************************	***************************************	***************************************
Vegetation:		_				
Landscape Photo:	0.014	N :-				
Additional Charac						
Describe Bed Mate		***************************************	anananan maran	and through ma	jority of char	ane/
Describe Sediment	Deposits in Featur	e and on Floodplair	n - Recent / Historic:	N/A	(X)>+4.47+4.48+4.48+4.4X++4.47+4.4X++4.42+4.42+4.42+4.42+4.42+4.42+4.4	
Presence of Hydric	Soils: N/A	***************************************		***************************************		
Describe Debris an	d / or Leaf Litter in	Feature (type,amou	int, location): com	stalts, Some 1	caucs	
Seepage Areas / S	orings / Evidence c	f High Water Table	in or near Feature:	None		
Attached Algae, Cla	ım or Mussel Shell		s)or Exoskeltons, or A e photos	quatic Insect Larv	ae in or near Fe	ature
Water Body Deterr Flow Regime: Evidence of Water	mination □ Permaner	Water Body	? ' ☑ Yes □	J No □ □ Ephemeral	Additional evid	lence required

NATURAL RESOURCE SOLI Aquatic, Terrestrial and Wetland Biologists	UTIONS INC.	Rei	newable Energ	100107	Site Investigation Office Use Only
Project (No. & Name): /b/2 - /	Vorth Kent		Field	778900	389460446464646464646464646464646464646464
Survey Date: April 24, 2015	Weather Cor	nditions			
Time Started: \5: 05	Temp (°C), W	Vind, Cloud Cov	er (%), Precipi	tation: /0℃,	4 , ØY., None
Time Finished: 15:20		in Prior 48hrs (r		1	
Site Code: SWLT - 075		GPS Locat			ated Length Assessed
Feature Name: U_{N} named D	ra:n	Easting:	394574		stream: 100 _m
Drainage System: ას Lower 7	hanes River	Northing:	41 00001	Dow	vnstream: ≀oo⊷
Location in System: Belle 2 of L	ine at Bear Line	Water Body			127714
Channel Characteristics and Mor	rphology NID		_ Pond	☐ Man-made pon	
☑ Straight	☐ Meandering (H/I	M/L Sinuosity):	☑ [Defined	☐ Poorly Defined
☐ Standing Water	☑ Low Flow / Base	eflow practically	Standing 🗆 N	√loderate Flow	☐ High / Flood Flow
L L Erook et Elour		. ,	ž.		
Avg. Wetted Width (m): /.5	Avg. Wate	r Depth (m):	0.20	Max Pool De	epth (m): 0.20
Avg. Bankfull Width (m): 2.0	Avg. Bank	(full Depth (m):	0.70	>>+44X+44X+44X	:ו•••••••••••••••••••••••••••••••••••
Substrate Composition (%)	Boulder:	Cobble:	· Gra	vel: -	Fines: 100%
Bed Morphology (%)	Flat: 100%	Riffle:	- Rur		Pool:
Bank Slope & Stability: ~60°	e foir/good	***************************************	Fea	iture Gradient (H/	M/L):
Other Comments:	U	V443X+++432+443X++43X++43X++43X++441X++43X	>==XXX++XX+++XX+++XX+++XX+++XX+++XX+++X	4X2+44XX+4XX+44XX+44XXX+44XX+44XX+44XX+	***************************************
	***************************************	***************************************	14 × 2. 7 × 6 × 7 × 6 × 7 × 7 × 7 × 7 × 7 × 7 ×		***************************************
Instream Aquatic Habitat					
	out hanke): A/	************************************		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************
Features (e.g. woody debris, under Vegetation (with % dominant):	Cut balles). Juan	- 1007-	******************************		************************************
Surface Water Quality	Grass / Higae			[X3 4 8 X X X 4 4 X X 3 4 4 X X 3 4 4 X X 3 4 4 X X 3 4 4 X X 3 4 4 X X 3 4 4 X X 3 4 4 X X 3 4 4 X X 3 4 4 X X	***************************************
Temp (°C): 5°C Turbidity	(L/M/H)· C	olour: Cloudy	Cor	mments:	X++4X1+>4IX>+4XX+4XXX+4XXX+4XXX+4XXX+4XXX+4XXX
Rinarian Hahitat		7			Manufacture of the second of t
Vegetation: A / Na se	- 105 //-	-	7.1.	1	***************************************
Vegetation: Grass / Phra Canopy Cover (% and species): Adjacent Land Use: Accion	gnites, Herbace	ous neve	isiec, ce	<u>^^</u>	***************************************
Adjacent Land Use: Agricu	LECTOR > MO!	ming shows	F Hannyanan (1991)	· · · · · · · · · · · · · · · · · · ·	***************************************
General Comments (Fish observ	1 1.00 CO. 1				
· No fish observed	eu, unusuai conditioi	ils, cuivernonag	e description,	giouriawater maio	ators and description;
	>+(X3++44X>+(X3++4XY)+(X3++4XX++4XX++4XX++XXY++4XX++4XX++4XX++4	XX *** 4 4 X P ** 4 X P ** 4 X X ** 4 4 X X ** 4 4 X P ** 4 X			,
. redong ted	***************************************	**************************************	************************************		4223-4(27314(2734)41273)4(2334)4(2334)234427344(2734)2441274427344(2734)2441

Photographs No. Direction	Description		No. [Direction Des	scription
Upstream: 0108 NE	Description	Other		Jii ection Des	**************************************
Downstream: 9109 SW	>><<	Other			
		***************************************	******************************		
Feature Bed: OUD -		***************************************			***************************************

Vegetation: Landscape Photo:

Additional Characteristics

Presence of Hydric Soils:

(Circle any present)

Water Body Determination

Evidence of Water Body Status:

Flow Regime:

Permanent

Describe Bed Material and Soil Conditions in and around Feature:

Describe Debris and / or Leaf Litter in Feature (type,amount, location):

Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic:

Seepage Areas / Springs / Evidence of High Water Table in or near Feature:

Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or Aquatic Insect Larvae in or near Feature

☑ Intermittent

✓Yes

□ No

☐ Ephemeral

☐ Additional evidence required

Water Body?



							Omroo.	Jse Only
Project (No. & N	lame):	1612	N. Kent		Field	Staff:	BEB	
Survey Date:		715		er Conditions				
				C), Wind, Cloud Co	ver (%). Precir	itation: 🤈	20 4 1	d, 100'1., Ø
Time Finished:	***************			ation in Prior 48hrs			, x 1 x x	Market State of the State of th
Site Code:		141		GPS Loca			Fstimated L	ength Assessed
Feature Name:	JW - 1 -						Upstream	
Drainage System	o. Ch	med er	Y	Easting:	0395622 4699063	******************	Downstrea	
Drainage System	1. Journ	west	Lower 1961	· Water Rev	4022065 dy No. 191		DOWNShou	aiii. 16 0
Location in Syste	HII. Dy. H	mother's Lin	NE OF ISECT	Valer Doc		□ Man ma	-la sand	Online/Offline
Channel Charac					☐ Pond	IVIan-ma	ide pond	
Straight	······································	**********************	☐ Meanuerin	g (H/M/L Sinuosity):		Defined		Poorly Defined
Standing v	Vater		☐ Low Flow /	Baseflow		Moderate F	-low	High / Flood Flow
Freshet Flo)W	Chann	ANTER UL	*** (D4h /na).	***************************************	A Any I	-	O 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Avg. vvetted vvic	Jth (m).	J-5 2 A	Avg.	Water Depth (m): Bankfull Depth (m):	Q# 3	lViax r	Pool Depth (n	n): 0-3
Avg. Bankıulı vvi	dtn (m).).v	Avy.	Banktuli Depur (m).	C, s	· L.	Fino	***************************************
Substrate Compo	OSITION (7	6)	Boulder: • Flat: •	Cobble:	ان Di	avel: -	Fine Pool	
Bed Morphology	(%)	× د د د د د د د د د د د د د د د د د د د	riat.	Riffle: -				
Bank Slope & St	ability.	High SK	ope modern	r Shbuty	I - C	ature Gradi	ient (H/M/ //) :	L-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C
Other Comments	3: Chonn	wezed			4420-48820-48291-48880-4891-48820-488	+4627******************	· >>***********************************	(*)**XX0;**X30;**X30;**X30;**X30;**X30;**X40;********************************
**************************************	***********	*******************		(X) 0 0 C 4 C D 0 C X 3 0 T A X A D C 4 X D C 4 A X D C 4 A X D C 4 A X D C 4 A X D C 4 A X D C 4 A X D C 4 A X				******************************
								p. 1
Instream Aquat	ic Habita	at		***********	v<-4************************************		NE	***************************************
Features (e.g. wo	oody deb	ris, under	rcut banks):	Gur hanging	ko k veg	*************	*************************	de > A (
vegetation (with	70 UOIIIII	ıant):	putches of	port west.	Sp Closto	<i>!</i>	*************************	
Surface Water (Quality			<i>v</i>		4×7944E29944E2944EE35	**************************	
		Turbidity /	ØM/H): Lo₩	Colour: Green	Co	omments:	and the same of th	
Riparian Habita	ıt				*			
Vegetation: 7	Gussa			***************************************	***************************************	***************************************		
Canopy Cover (% Adjacent Land U	% and sp	ecies): (2	***************************************				
Adjacent Land U	Jse:	· ·	17	AXXXXXXXXXXAAXXXAAXXXXAAXXXXAAXXX		****************	/*468** NEWSTAFFS NEWSTAFF	***************************************
General Comme	ents (Fi	ish observ	ved, unusual cor	nditions, culvert/brid	ae description	groundwat	er indicators	and description)
General Comme	ents (Fi	ish observ	ved, unusual cor	nditions, culvert/bric	ge description	groundwat	er indicators	and description)
General Commo	ents (Fi	ish observ	ved, unusual cor	XD##4Z#####XD###########################	***********************************	groundwat	er indicators	and description)
General Commo	ents (Fi	ish observ	ved, unusual cor	nditions, culvert/brid	***********************************	groundwat	er indicators	and description)
General Commo	ents (Fi	ish observ	ved, unusual cor	XD##4Z#####XD###########################	***********************************	groundwat	er indicators	and description)
General Comme 16 Figh paorly defined	ents (Fi Obs Clum	ish observ	ved, unusual cor	los of pon	dweod	groundwat		
General Comme //o Figh poorly defined Photographs	ents (Fi Obs Chen	ish observ	ved, unusual cor	on	d weod No.		er indicators	
General Common Mo Figh Poorly defined Photographs Upstream:	ents (Fi Obs Clum No. 59	ish observ	ved, unusual cor	los of pon	d weod No.			
General Common Mo Figh Poorly defined Photographs Upstream: Downstream:	ents (Fi	ish observ	ved, unusual cor	on	d weod No.			
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Project (No. & N	lame):	1612	N.Ken'	-		Field	d Staff: Bas	
Survey Date:	ZIAPR	18	We	ather Cond				
Time Started:	1300	120 i al V 00 1 20 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ter	np (°C), Win	d, Cloud Cov	er (%), Preci	pitation: 10.8.6	W, 1601, , &
Time Finished:	1310	*****************	Pre	cipitation in	Prior 48hrs (r	nm): No do	+α	
Site Code:	LSC1-	138			GPS Locat			ted Length Assessed
Feature Name:				0 _r	Easting:	(7391930		ream: າວ
Drainage System	I: Luk	S. S. C.			Northing:	4703243	Dowi	nstream: ເບ
Location in Syste	m: 👊	Codut	Hedge la	:	Northing: Water Body	No. 199)	***************************************
Channel Charac	teristics	and wor	onoioav	A T / U.S.	LIAKE I	Pono	☐ Man-made pond	Online/Offline ☑ Poorly Defined ☐ High / Flood Flow
☑ Straight ☐ Standing W	******************	[□ Meano	dering (H/M/I	L Sinuosity):		Defined	
☐ Standing W	/ater	[□ Low F	low / Baseflo	DW		Moderate Flow	☐ High / Flood Flow
Freshet Flo	w (Chappelized	Pr		***************************************			***************************************
Avg. vvetted vvid	tn (m):	1.2	ļ.	Ava. Water L	Depth (m):	0.15	Max Pool De	oth (m): 0.4*
Avg. Bankfull Wid	dth (m):	2.0	<i>F</i>	Avg. Bankful	l Depth (m):	04 5		
Substrate Compo	osition (%)	Boulder:)	Cobble: -	G	ravel: 👌 🗸	Fines: 80
Bed Morphology	(%)		Flat: 🕬	,	Rille. —	K	un. –	P00I. ••
Bank Slope & Sta	ability:	him slo	pe Lou	y stability	/	F	eature Gradient (H/N	1/(<u>)</u>):
Other Comments	: Chair	112-4	Or.	F	************	*************************		
***************************************	~12>>+42>	******************	*****************		49**********	**************************	***************************************	
Instream Aquati	c Habitat	• •	4820-4880-4832-4838-484-484					
Features (e.g. wo	ody debr	is, underc	cut banks):	Oc4 se	Long Litt	~ V/S	hortsoney dr	
vegetation (with	% aomina	ant): /	Hora tail	Sp (1007	.)	***************************************		
Surface water G	uality	*******************		1 `				
Temp (°C): /() T	urbidity 🕻	<u>[</u>]М/Н):	Colc	our: Clear	С	omments:	
Riparian Habitat								
Vegetation: Canopy Cover (%	16.55	House	76.7 S	`.a		************************	~#####################################	***************************************
Canopy Cover (%	and spe	cies):	\mathcal{O}	•	**************************	*****************************	XXX+4433+44472+4X3+444X**44X2+44X2+44X2+44X2+44X2+44X2+44X	***************************************
Adjacent Land Us	se:	Al	5				***************************************	***************************************
General Comme	nts (Fis	h observe	ed, unusua	l conditions,	culvert/bridg	e description	i, groundwater indica	ators and description)
No Fish	nhs	******************	******************	***************************************	***************************************		***************************************	
poorly defined	chynnel	₩ dn	ise Leo	f Little	u/S	montagni	v Dr	***************************************
			XX+ 7 412+++42++42+			<i>J.</i> ************************************	·	***************************************
0.2m cs	Pan Loo	St Conti	rti bloc	ks at	mod Silv			***************************************
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Upstream: Downstream:	417	SE	V/S n	nontgomy dr	Other:	419	Sh V/S	Markhand Or
Downstream:	418	NW	D/S	mantgoniny	dr	*******************************	**************************************	TO COMP 200 Provide to COS 200 (1995 Principles and 2015 Principles and 200 Principles an
Feature Bed:	4a	.0 ~		_ 9 /	**************************************	*****************************	XX************************************	***************************************
Culvert / Bridge:	Ца	_	-				***************************************	***************************************
Vegetation:	Haa		-	pp.	***************************************		***************************************	***************************************
Landscape Photo		3 NW	***		***************************************		***************************************	***************************************
Additional Chara	cteristic	s						
Describe Bed Ma			ditions in a	and around F	eature:	**************************		-
			********************		*****************************		***************************************	***************************************
Describe Sedime	nt Deposi	its in Feat	ure and or	n Floodplain	- Recent / Hi	storic:	***************************************	***************************************
· ·		1385-428-4418-428-4418-4	**********************	************************	**********************	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	***************************************	
Presence of Hydr	ic Soils:		***************************************		****************************		***************************************	***************************************
-					***************************************		***************************************	**************************************
Describe Debris a	and / or Le	eaf Litter	in Feature	(type,amoui	nt, location):			***************************************
n øn≀ ೧/ ୨ Seepage Areas /		Dense	werf L	Hir Vi	15 Nonton	rvy Or	***************************************	
Seepage Areas /	Springs /	Evidence	of High W	Vater Table i	n or near Fea	ature:		EED+4429+437+44439+4479+4419+4447+4499+4879+4879+4879+4478+4478+447
None							***************************************	***************************************
Attached Algae, C	Clam or M	lussel Sho	ells, Crayfi	sh Chimney	s or Exoskelt	ons, or Aqua	tic Insect Larvae in o	or near Feature
(Circle any presei								***************************************
Water Body Dete	rminatio	n	V	Vater Body?	✓ Yes	s 🗆 N	o 🗆 Addit	tional evidence required
Flow Regime:	***************	☐ Perman	ent		termittent	************	phemeral	
Evidence of Wate			*****************					
	pury D		Not .	n WB	Ephtone 1		00 400	
			Intermediate	~9		Channel def		use ful Sp
The second secon		en		A STATE OF THE PROPERTY OF THE				

NATURAL RESOURCE SOLUTIONS INC. Aquatic, Terrestrial and Wetland Biologists

	1612	N. Keni		Field Staff	: BèB	
Survey Date: 21A	PRID	Weathe	er Conditions			
Time Started: 130		Temp ('			1:10.8,6W,1601., B	
Time Finished: 1320		Precipit	ation in Prior 48hrs			
Site Code: ೬೩೮೯	-139	v	GPS Loca		Estimated Length Assesse	d
Feature Name: Marc	hand Or		Easting:	039450	Upstream: ₅≎	
Drainage System:	ce St Clav		Northing:	470Q 8 36	Downstream: 🚻	********
Location in System:	nt Cedor	Hidno / Bear	ւ եւ Water Boo	ly No. 193		
Channel Characteristi	cs and Mor	phology N ≀	1 □ Lake	☐ Pond ☐ M	an-made pond Online/Offline	
☑ Straight	******	Meandering	ng (H/M/L Sinuosity):	☐ Defir	ed Poorly Defined erate Flow High / Flood F	
Standing Water Freshet Flow	***************************************	Low Flow	/ Baseflow	∟ Mode	erate Flow 🔲 High / Flood F	low
☐ Freshet Flow	Channelized	Pr		**************************************	Mary Deal Death (m)	*********
Avg. vvettea vviatn (m):	U,n	Avg.	Water Depth (m):		Max Pool Depth (m): ∂-I	**********
Avg. Bankfull Width (m)): 1,2 ((()	Avg.	Banktuli Deptri (III).	0.4	3∂ Fines: 70	*********
Substrate Composition	(%)	Boulder:	Cobble:			**********
Bed Morphology (%)	11 1 /	FIAL. 10∂	Riffle: -	Feature	Gradient (H/M/0):	***********
Bank Slope & Stability: Other Comments:	High Slope	Moderate	2,40,664.4		Stadiotic (Thinge).	2********
Charlis dr		ZYYYYXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	***************************************	***************************************		**********
	*************************	***************************************		***************************************		***********
Instream Aquatic Hab	itat			· · · · · · · · · · · · · · · · · · ·		
Features (e.g. woody de		cut banks):	over home bank	V(5		
Vegetation (with % dom	ninant):	no 14 Strack	Vey	·		
Surface Water Quality				XXV+44XX+4XXX+44EXX+44XX+44XX+44XX+44XXX+44XXX+4		
Temp (°C):	Turbidity (() /M/H):	Colour: 🖇 🕬 🖚	Comme	nts: —	
Riparian Habitat			.:			
Vegetation:	Twosses	House Tail	50			**********
Canopy Cover (% and s	species):	House Tail		*************************************	××××××××××××××××××××××××××××××××××××××	**********
Adjacent Land Use:						
General Comments (Fish observ	ed, unusual co	nditions, culvert/brid	lge description, grou	ndwater indicators and description)
No Fish obs				,	(4)	

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postly dofind the	buughart Cl	reened	***************************************	Substrate	or they	************
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Tiliminas ulgae of the Lam Of the	ibmoghad Ci ose Conse Direction U NE 7 NW	rn blocks	at Rond sub	No. Dire		
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Project (No. & Name): 1612 N kgm²	Field Staff: 1368
Survey Date: 21APR 15 Weather Conditions	
Time Started: 345 Temp (°C), Wind, Cloud Cover (%)	, Precipitation: \ロ・ら、らい、\00ンォ。。ゅ
Time Finished: [400 Precipitation in Prior 48hrs (mm): /	
Site Code: GPS Location	Estimated Length Assessed
Feature Name: Had Dr Easting: 03918	Upstream: 100
Drainage System: Lake St. Clare Northing: 4703	Downstream: 50
Location in System: Lake St Class Northing. Water Body No.	iau
IChannel Characteristics and Morphology $1/\sqrt{4}$ \square Lake \square Por	nd □ Man-made pond Online/Offline I
✓ Straight ☐ Meandering (H/M/L Sinuosity):	□ Defined □ Poorly Defined □ Moderate Flow □ High / Flood Flow
☐ Standing Water ☐ Low Flow / Baseflow	☐ Moderate Flow ☐ High / Flood Flow
Straight ☐ Meandering (H/M/L Sinuosity): ☐ Standing Water ☐ Low Flow / Baseflow ☐ Freshet Flow Classel: ≥ - 8 (pr	
Avg. Wetted Width (m): Avg. Water Depth (m):	Max Pool Depth (m):
Avg. Bankfull Width (m): Avg. Bankfull Depth (m):	
Avg. Bankfull Width (m): Substrate Composition (%) Bed Morphology (%) Flat: Riffle:	Gravel: Fines: 100
Bed Morphology (%) Flat: 🕉 Riffle:	Run: 20 Pool:
Bank Slope & Stability: 4454 510pc Low Stakety	Feature Gradient (H/M/🖒:
Other Comments:	
Grandezed Or	
Signs of recent clean ovi	
Instream Aquatic Habitat	
Features (e.g. woody debris, undercut banks): deposits of cities Vegetation (with % dominant): Cotton sp (60%) duckweed Cites	d-bes
Vegetation (with % dominant): Cathail 5p (60%) duckwerd (40%)	7,)
ISurface Water Quality	
Temp (°C): 10 Turbidity (L/10/1H): Colour: 15	Comments:
Riparian Habitat	
Vegetation: T.Grusses	
Canopy Cover (% and species): 👂	
Canopy Cover (% and species): Adjacent Land Use:	
General Comments (Fish observed, unusual conditions, culvert/bridge des	cription, groundwater indicators and description)
No Fish obs	
DOOR by defined channel in Slaws of recent cleanout	
No Fish obs poorly defined channel or sighs of recent clemout	
· ·	
	No. Direction Description
Your open box culvart	No. Direction Description
せらっ のの box Culvart Photographs No. Direction Description	No. Direction Description
せらっ のか box culvet Photographs No. Direction Description Upstream: いる タダ Other:	No. Direction Description
Photographs No. Direction Description Upstream: いい Sp Other: Downstream: いい Sw Sw Culvert Culvert / Bridge: いい	No. Direction Description
Photographs No. Direction Description Upstream: いい タル Other: Downstream: いい タル Other: Culvert / Bridge: いい Vegetation:	No. Direction Description
Photographs No. Direction Description Upstream: So Other: Downstream: So Culvert / Bridge: SS Vegetation: Landscape Photo: So Culvert / So Culver	No. Direction Description
Photographs No. Direction Description Upstream: いい ター Other: Downstream: いい ター Other: Downstream: いい ター Other: Culvert / Bridge: いい Vegetation: Landscape Photo: いい ター Additional Characteristics	No. Direction Description
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Photographs No. Direction Description Upstream: Sp. Other: Downstream: Sp. Feature Bed: Sp. Culvert / Bridge: Sp. Vegetation: Sp. Landscape Photo: Sp. Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature:	
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Photographs No. Direction Description Upstream: Sp. Other: Downstream: Sp. Feature Bed: Sp. Culvert / Bridge: Sp. Vegetation: Landscape Photo: Sp. Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature:	
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Photographs No. Direction Description Upstream: Sp. Other: Downstream: Sp. Feature Bed: Sp. Culvert / Bridge: Sp. Vegetation: Landscape Photo: Sp. Landscape Photo: Sp. Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location):	
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Photographs No. Direction Description Upstream: SS Other: Downstream: SS Other: Downstream: SS Other: Culvert / Bridge: SS Other: Culvert / Bridge: SS Other: Landscape Photo: SS Other: Landscape Photo: SS Other: Landscape Photo: SS Other: Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature: Now Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or	
Photographs No. Direction Description Upstream: So Other: Downstream: So So Other: Culvert / Bridge: So Other: Cul	or Aquatic Insect Larvae in or near Feature
Photographs No. Direction Description Upstream: W. S. Other: Downstream: W. S. Other: Downstream: W. S. Other: Culvert / Bridge: W. Other: Culvert / Bridge: W. Other: Landscape Photo: M. S. Other: Landscape Photo: M. S. Other: Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic. Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature: Note Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, C (Circle any present) Note Water Body? Water Body Determination Water Body?	or Aquatic Insect Larvae in or near Feature □ No □ Additional evidence required
Photographs No. Direction Description Upstream: W. S. Other: Downstream: W. S. Other: Downstream: W. S. Other: Culvert / Bridge: W. Collowd Vegetation: W. Collowd Landscape Photo: W. S. Other: Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature: Nowle Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, of (Circle any present) Nowle Water Body Determination Water Body? Yes Flow Regime: Permanent	or Aquatic Insect Larvae in or near Feature □ No □ Additional evidence required
Photographs No. Direction Description Upstream: No. Direction Description Culvert / Bridge: No. Feature Bed: No. Culvert / Bridge: No. Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature: No. Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, of (Circle any present) No. Water Body Determination Water Body? Yes Flow Regime: Permanent Intermittent Evidence of Water Body Status:	or Aquatic Insect Larvae in or near Feature No Additional evidence required Ephemeral
Photographs No. Direction Description Upstream: W. S. Other: Downstream: W. S. Other: Downstream: W. S. Other: Culvert / Bridge: W. College Colleg	or Aquatic Insect Larvae in or near Feature No



Project (No. & N	ame):	1612 1	V. Kent			Fie	eld Staff: BE	
Survey Date:	21APRIS		W	leather Co				
Time Started:	1405		T	emp (°C), V	Vind, Cloud Co	over (%), Pre	cipitation: いん	°, 6 WSW, 1001, Ø
Time Finished:	/udo		P	recipitation	in Prior 48hrs	(mm): 10	duta	, , , , , , , , , , , , , , , , , , ,
Site Code: 5		c. 9			GPS Loc	ation	E:	stimated Length Assessed
Feature Name:	<u> </u>	4.	Li. i	Dr		******************		Upstream: 10
Drainage System	moningum.	ch ch				470240	,	Downstream: 🜮
Location in Syste	m	37 CIMIN Baun				dy No. 19		Downsticant.
Channel Charac				>) I/A	201 ESC /FSC 000000000000000000000000000000000000		☐ Man-made	pond Online/Offline
	******************		*********	****************		☐ Pond	****************	
Straight		 	□ Iviea	naering (H/	M/L Sinuosity)		Defined	Poorly Defined
☐ Standing W	ater	~	L LOW	riow / Bas	etiow	************************	☐ Moderate Flo	w 🔲 High / Flood Flo
Freshet Flo	W	Chun	no1(206	Dr	D th / \		May Da	al Danth (m)
Avg. Wetted Wid	([] ([]).		**************	Avg. vvale	er Depui (m).			ol Depth (m): 💸 🕯
Avg. Bankfull Wid	atn (m).		Davida	Avg. Banı		0.50	O	Fig. 2. 4 th
Substrate Compo	osition (%)	**************	Boulde	r.	Cobble:	********	Gravei.	Fines: 🕬 Pool:
Bed Morphology	(%)		riat:		KITTIE:	*************		
Bank Slope & Sta	ability:	11.16 h		Lor	5/26/14y	***************************************	Feature Gradier	it (H/IVI/O):
Other Comments			****************	*******************	*****************************	*************		***************************************
Chamil 2		. s.A	******	***************************************	******************************	*********************	***************************************	
Siezes U		f that						
Instream Aquati			**************	************				***************************************
Features (e.g. wo	ody debris	s, under	cut banks	s): Spac	Cooffeel	d'bris	way egy	2 55
Vegetation (with	% dominar	nt): (contrail s	o Cross	duck	crd (30%)		
Surface Water C			***************************************	************	*************************	*************		***************************************
) Tu	urbidity (L/M/H):	C	olour:		Comments: —	
Riparian Habitat				************************		***********		***************************************
Vegetation:	1,64.5	5-5	C. #. 75	***************************************		**********************		***************************************
Canopy Cover (%	and spec	ies): 🐧	9	********************				
General Comme	nts (Fish	observ	ed, unusi	ual conditio	ns, culvert/brid	dge descripti	on, groundwater	indicators and description)
No Feh	Obra _		***************************************	*****		••••		
VB most of	own O	w	T1641550g	a long	Stron	h. d		***************************************
,	······································		************************			*	***************************************	***************************************
	***************************************					***************************************		
Photographs	No. D	rection	Des	cription		No	Direction	Description
Upstream:	44}	SE	*********	Hmd Or	Othe	er: 442	ΝĒ	
Downstream:	444	M	015	Hund Or	***************************************	*************************		***************************************
Feature Bed:	445	***************************************				***************************	***************************************	
Culvert / Bridge:	······		2×****************	*********************	******************************		***************************************	
Vegetation:	446		****************	Jac e		**************************************	************************************	***************************************
Landscape Photo			****************	********************	448++442+442++442++422+42	*********	************************************	***************************************
Additional Chara		·			V			
Describe Bed Ma	******************	*************	nditions in	and arour	nd Feature:			***************************************
			******************				***************************************	***************************************
Describe Sedime		******	1	on Floodol	ain - Recent /	Historic:	***********************************	************************************
	nt Deposit	s in Fea	ture and					***************************************
######################################	nt Deposit	s in Fea	ture and	on i looupi		*************	***************************************	
######################################	****************	s in Fea	ture and			X>>+4xx>+4xx>+4xx+4xx+4xx+4xx+4xx+4xx+4xx	*************************************	
Presence of Hydr	*******	s in Fea	ture and			***************************************		
Presence of Hydr	ic Soils:	************************				***************************************		
Presence of Hydr C Describe Debris a	ic Soils: and / or Le	af Litter	in Featu	re (type,am	ount, location)):		
Presence of Hydr C Describe Debris a	ic Soils: and / or Le	af Litter	in Featu	re (type,am	ount, location)):		
Presence of Hydr Describe Debris a Source Seepage Areas /	ic Soils: and / or Le ikhe of Springs / I	af Litter Colli Evidence	in Featu do e of High	re (type,am vւ չ հի ջ Water Tab	ount, location	: eature:		
Presence of Hydr Describe Debris a Source Seepage Areas /	ic Soils: and / or Le ikhe of Springs / I	af Litter Colli Evidence	in Featu do e of High	re (type,am vւ չ հի ջ Water Tab	ount, location	: eature:	uatic Insect Larv	ae in or near Feature
Presence of Hydr Describe Debris a Spirse Seepage Areas / Nime Attached Algae, (ic Soils: and / or Le who of Springs / I	af Litter Colf Evidenco ussel Sh	in Featu do e of High	re (type,am vւ չ հի ջ Water Tab	ount, location	: eature:	uatic Insect Larv	ae in or near Feature
Presence of Hydr Describe Debris a Spirst Seepage Areas / Nime Attached Algae, O (Circle any prese	ic Soils: and / or Le Iths of Springs / I Clam or Mu nt) Nove	af Litter Colle Evidence ussel Sh	in Featu do e of High	re (type,am vs. hie Water Tab yfish Chimr	ount, location	eature:		
Presence of Hydronic Describe Debris a Sparse Or Seepage Areas / Attached Algae, (Circle any present Water Body Determine Described Processing Processing Control of the Control of Control of the Control of Con	ic Soils: and / or Le เหล่อ ปรื Springs / I Clam or Mu nt) Nภา-e ermination	af Litter coll Evidenco ussel Sh	in Featu debe e of High ells, Cra	re (type,am vi\$ % lø Water Tab yfish Chimr Water Bo	ount, location le in or near F neys or Exoske	eature:	No 🗆	ae in or near Feature
Presence of Hydronic Describe Debris a Sparse On Seepage Areas / Attached Algae, (Circle any present Water Body Determine)	ric Soils: and / or Le who of Springs / I Clam or Mu nt) Nove ermination	af Litter Evidence ussel Sh Permar	in Featu L deb e of High rells, Cra	re (type,am ws 10 Water Tab yfish Chimr Water Bo	ount, location	eature:		
Presence of Hydronic Presence of Water Body Detection Regime: Evidence of Water Body Detection Regime:	ric Soils: and / or Le who of Springs / I Clam or Mu nt) Nove ermination	af Litter Evidence ussel Sh Permar	in Featu L deb e of High rells, Cra	re (type,am ws 10 Water Tab yfish Chimr Water Bo	ount, location le in or near F neys or Exoske dy?	eature:	No Ephemeral	Additional evidence require
Presence of Hydronic Describe Debris a Sparse Debris a Seepage Areas / Name Attached Algae, (Circle any presented Body Deter Body Deter Body Deter Body Regime:	and / or Le when of Springs / I Clam or Mu nt) New crmination Free Body Sta	af Litter Evidence ussel Sh Permar atus:	in Featu de of High ells, Cran	re (type,am ws his Water Tab yfish Chimr Water Boo	ount, location le in or near F neys or Exoske	eature:	No Ephemeral	



Project (No. & Name):	W No Kent		Field Staff: 🦓 🐉	@
Survey Date: 🐊 🗚 🚜 🖟	Wea	ather Conditions		
14400444000 Taraaaraaaaa 44000 Taraaaraa 1400 Taraaa 1400 Taraaa 1400 Taraa 1400 Taraa 1400 Taraa 1400 Taraa 1	Ten		over (%), Precipitation: (٥, (o", 6 WSW, 100 11, Q
Time Finished:	Pre	cipitation in Prior 48hrs	s (mm): No doda	State of the state
	100		ation E	stimated Length Assessed
		Easting	A) (n	Upstream: 160
Drainage System: Lake S	A Clary	Northing:	4701857	Downstream: μου
Location in System: 🧀 Co	outry vui La	Northing: Water Bo	ody No. 196	
IC nannoi Charactorietice ai	na warnnalaav	()	I Pond I Wan-mad	e pond Online/Offline
☑ Straight	☐ Meand	dering (H/M/L Sinuosity): Defined	Poorly Defined
☐ Standing Water	☐ Low FI	low / Baseflow		ow High / Flood Flow
Avg. Wetted Width (m): 2	ì P	ارد. Water Depth (m):	OJI Max Po	ool Depth (m): <i>(),1</i>
Avg. Bankfull Width (m): كـؤ	9 A	Avg. Bankfull Depth (m): O.5	
Substrate Composition (%)	Boulder:	Cobble:	Gravel: 40	Fines: 60
Bed Morphology (%)	Flat: 80	Riffle:	Run: Მ 🔊	Pool
Bank Slope & Stability: H	54 Slope moderate	51-6:114	Feature Gradie	nt (H/M/ ② :
Other Comments.				
Chambiad Ox Sign	hs of Yerm [‡]	Clen out		·\$
Instream Aquatic Habitat				/
Features (e.g. woody debris,	undercut banks):	== Recently (lemme & out	
Vegetation (with % dominant	i): Gilloil S (C 10/47	(MG (30%)	
Surface Water Quality	rbidity (D M/H):	0 - I	0	
	rbidity (L)IVI/H):	Colour: circu	Comments: ~	
Riparian Habitat	(20) ************************************	***************************************		
Vegetation: T-G-55e	S Cattails	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(**************************************
Canopy Cover (% and specie	es): ♥ <i>A</i> ©	***************************************	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Adjacent Land Use:				
General Comments (Fish	observed, unusua	l conditions, culvert/br	age description, groundwater	rindicators and description)
No Feh obs		21144		rindicators and description)
		***************************************		Indicators and description)
No Fish Obs Channolized dv w	Sobre Styles of	Sus Sout		Indicators and description)
No Fish obs Channelized dv w	Sore Sight of	Sub Sort buskets at road		
No Fish Obs Channelized dv w 2.0 m box culturel Photographs No. Dir	Some Signs of animal an	Sus Sout baskets at road iption	No. Direction	Description
No Fish Obs Channelized dv w 2.0 m box culturel Photographs No. Dir	Some Signs of Gentler rection Descri	Sub Sort buskets at road	No. Direction	
No Feb obs Channelize dv 2.0 m bax culuml Photographs No. Dir Upstream: บุงสารายารายารายารายารายารายารายารายารายารา	Some Signs of animal an	Sus Sout baskets at road iption	No. Direction	
No Fsh obs Channelized dv い ユ.のっ bak culved Photographs No. Dir Upstream: 449 Downstream: 449 Feature Bed: 450	Some Signs of Gentler rection Descri	Sus Sout baskets at road iption	No. Direction	
No Feb obs Channelize dv こ 2.0 m bax Culved Photographs No. Dir Upstream: 448 Downstream: 449 Feature Bed: 450 Culvert / Bridge: 451	Some Signs of Option Tection Descri	Sus Sout baskets at road iption	No. Direction	
No Fsh のら Channelize dv い ユーラー しゅ にはない Photographs No. Dir Upstream: 448 Downstream: 449 Feature Bed: 450 Culvert / Bridge: 451 Vegetation: 453	Solve Sight of Organization Descri	Sus Sout baskets at road iption	No. Direction	
Mo Fsh のら Channelized dv ローフ・ロース・アート Photographs No. Dir Upstream: 448 Downstream: 449 Feature Bed: 450 Culvert / Bridge: 451 Vegetation: 453 Landscape Photo: 453	Some Signs of Option Tection Descri	Sus Sout baskets at road iption	No. Direction	
パッ Fsも のら Channelize dv い ユーラー	Some Signs of orders of the section	Sus Sud buskets ad Park iption Oth	No. Direction	
Mo Fsh のら Channelized dv ローフ・ロース・アート Photographs No. Dir Upstream: 448 Downstream: 449 Feature Bed: 450 Culvert / Bridge: 451 Vegetation: 453 Landscape Photo: 453	Some Signs of orders of the section	Sus Sud buskets ad Park iption Oth	No. Direction	
No Fsh obs Channelized dv ロー Channelized dv ロー Culvert Photographs No. Dir Upstream: 日本 日本 日本 日本 日本 日本 日本 日本	See System of Conditions in a	Sus Sout books of Your iption Oth	No. Direction er:	
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No Fsh obs Channelized dv ロー Channelized dv ロー Culved Photographs No. Dir Upstream: 日本 日本 日本 日本 日本 日本 日本 日本	See System of Conditions in a	Sus Sout books of Your iption Oth	No. Direction er:	
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Photographs No. Dir Upstream: 448 Downstream: 449 Feature Bed: 450 Culvert / Bridge: 451 Vegetation: 453 Additional Characteristics Describe Bed Material and S Describe Sediment Deposits Presence of Hydric Soils: Describe Debris and / or Lea	rection Descri	iption Oth The second of the s	No. Direction er: Historic:	
Photographs No. Dir Upstream: 448 Downstream: 449 Feature Bed: 450 Culvert / Bridge: 451 Vegetation: 453 Additional Characteristics Describe Bed Material and S Describe Sediment Deposits Presence of Hydric Soils: Describe Debris and / or Lea Spare patches of Seepage Areas / Springs / E	Some Sympatric State of Litter in Feature and or widence of High W	iption Oth and around Feature: The Floodplain - Recent / (type, amount, location Recent /	No. Direction er: Historic:): Feature:	Description
Photographs No. Dir Upstream: 448 Downstream: 449 Feature Bed: 450 Culvert / Bridge: 451 Vegetation: 453 Additional Characteristics Describe Bed Material and S Describe Sediment Deposits Presence of Hydric Soils: Describe Debris and / or Lea Spars paters of Seepage Areas / Springs / E North	rection Descri	iption Oth and around Feature: The Floodplain - Recent / (type, amount, location Recent /	No. Direction er: Historic:): Feature:	Description
Photographs No. Dir Upstream: 448 Downstream: 449 Feature Bed: 450 Culvert / Bridge: 451 Vegetation: 453 Additional Characteristics Describe Bed Material and S Describe Sediment Deposits Presence of Hydric Soils: Describe Debris and / or Lea Spars paters of Seepage Areas / Springs / E North Attached Algae, Clam or Mus (Circle any present)	rection Descri	iption Oth and around Feature: The Floodplain - Recent / (type, amount, location for the continuous of the continuous	No. Direction er: Historic: Feature: eltons, or Aquatic Insect Larv	Description ae in or near Feature
Photographs No. Dir Upstream: 449 Feature Bed: 450 Culvert / Bridge: 451 Landscape Photo: 453 Additional Characteristics Describe Bed Material and S Describe Sediment Deposits Presence of Hydric Soils: Describe Debris and / or Lea Spars paters of Seepage Areas / Springs / E Now Attached Algae, Clam or Mus (Circle any present) Water Body Determination	rection Descri	iption Oth Oth and around Feature: The Floodplain - Recent / (type, amount, location Recent / Vater Table in or near forms or Exosk Vater Body?	No. Direction er:	Description
Photographs No. Dir Upstream: 449 Feature Bed: 450 Culvert / Bridge: 451 Landscape Photo: 453 Additional Characteristics Describe Bed Material and S Describe Sediment Deposits Presence of Hydric Soils: Describe Debris and / or Lea Spare petros of Seepage Areas / Springs / E Now Attached Algae, Clam or Mus (Circle any present) Water Body Determination Flow Regime:	rection Descri	iption Oth and around Feature: The Floodplain - Recent / (type, amount, location for the continuous of the continuous	No. Direction er: Historic: Feature: eltons, or Aquatic Insect Larv	Description ae in or near Feature
Photographs No. Dir Upstream: 449 Feature Bed: 450 Culvert / Bridge: 451 Landscape Photo: 453 Additional Characteristics Describe Bed Material and S Describe Sediment Deposits Presence of Hydric Soils: Describe Debris and / or Lea Spars paters of Seepage Areas / Springs / E Now Attached Algae, Clam or Mus (Circle any present) Water Body Determination	Section Described Permanent tus:	iption Oth Oth and around Feature: The Floodplain - Recent / (type, amount, location Recent / Vater Table in or near forms or Exosk Vater Body?	No. Direction er: Historic: Peature: eltons, or Aquatic Insect Larv	Description ae in or near Feature



Renewable Energy Water Body Site Investigation

Office Use Only

Project (No. & N	ame):	1612	N. Kent			Field Staff: BER	
Survey Date:	22/	APR 15	Weathe	r Conditions			
Time Started:			Temp (°	C), Wind, Cloud	Cover (%), P	recipitation: ۶۳٫	35-100% , 0
Time Finished:	0745			ation in Prior 48h	rs (mm): No	idata	
Site Code:	SW	LT 101	***************************************	GPS Lo	cation	E	stimated Length Assessed
Feature Name:	Н,	d Dr		Easting	039276		Upstream: 150
Drainage System	1: <i>L</i> a		ju-	Northing	1: 470145	4	Downstream: ಚಕಾ
Location in Syste	m: a/	Rivar	l Ln		ody No. 🐚		
Channel Charac	teristic	s and Morp	hology NIA	☐ Lake	☐ Pond	☐ Man-made	e pond Online/Offline
☑ Straight			□ Meanderin	g (H/M/L Sinuosi	:y) :	Defined	면 Poorly Defined
☐ Standing W	/ater	E	☐ Low Flow /	Baseflow		☐ Moderate Flo	ow High / Flood Flow
riesnet Fic	W	Channel,	200 1/V		*************************		
Avg. Wetted Wid	th (m):	3.,0	Ava.	Water Depth (m)	: 0.25	Max Po	ool Depth (m): 💆 રેક
Avg. Bankfull Wi	dth (m):	5.0 %)	Avg.	Bankfull Depth (r		····	
Substrate Compo	osition (%)		Cobble:	****************************	Gravel: Run:	Fines: 10- Pool:
Bed Morphology		- 0 5 - 40 8	Flat: 10C	Riffle:	*************************	Feature Gradie	
Bank Slope & Sta Other Comments	ability: 	High	rv. xxxxd(Trate Stubility	***********************	i catule Gladle	III (I // W//
Otner Comments	*************	************************			************************	- < 2 > 4 4 4 4 4 4 4 4 4 4	
Manieta	141		***************************************	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	427744224422242244424444444444444444444	***************************************	
Instream Aquati	c Hahit	at					
Features (e.g. wo			ut banks): 🍱	Loralla rin.	kral o	***************************************	***************************************
Vegetation (with	% domi	nant):	mers of	Our	CoZ)		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Surface Water C	Quality		::::::::::::::::::::::::::::::::::::::	56 99 38 377 38			
Temp (°C):	9	Turbidity () /M/H):	Colour: 🗘	 Ng	Comments:	
Riparian Habita		, ,	· · · · · · · · · · · · · · · · · · ·				
Vegetation:	**************	To Gross	······································	***************************************	**************************************	***************************************	
Canopy Cover (%	6 and si	oecies): 🔊	25.44.4.42.4.48.4.48.4.4.2.4.4.4.4.4.4.4.4	************************************	>++2279*029*******************		
Adjacent Land U		Ã					
General Comme	ents (F	ish observe		nditions, culvert/b	ridge descri	ption, groundwate	r indicators and description)
No Fish	obs		***************************************	***************************************		************************	***************************************
Roccally Cl	euned	& Channell	red dr	***************************************		***************************************	***************************************
no instream		*******************************		420044200444200420044200442004420044		***************************************	*
Photographs	No.	Direction	Description		**********	No. Direction	Description
Upstream:	иль	ŞE		0	ther:	***************************************	
Downstream:	455	Ñ۳		***************************************			
Feature Bed:	456	\$644.4744.6XX44.6XX44.6XX4.4XX4.4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	«XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	**********************		
Culvert / Bridge:				***************************************	*442334448334488444444444444444444444444	23504XX904ZX504XE95A4X964AFP84AHP84AFP4AZFF44X	
Vegetation: Landscape Photo	45				***************************************	y,,462**,44***444**444*******************	
Additional Char							
Describe Bed Ma	**************	************	ditions in and	eround Feature:	******************************	***************************************	
	arciidi d	na Son Con	unions in and a	around i caluic.	,		
Describe Sedime	nt Den	osits in Feat	ure and on Flo	odplain - Recen	/ Historic:		
Describe Sediffe	, it Debt		G.O GIIG OII I IC	-Capiani 100011		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Presence of Hyd	ric Soils	······································	***************************************		************************	y#44/**4#*******************************	
					**************************	***************************************	
Describe Debris	and / or	Leaf Litter	in Feature (tvp	e,amount, location	on):	***************************************	
(0 0	**************	***************************************					
Seepage Areas /	Spring	s / Evidence	of High Wate	r Table in or nea	r Feature:		
h Tue							
Attached Algae,	Clam or	· Mussel Sh	ells, Crayfish C	Chimneys or Exos	skeltons, or A	Aquatic Insect Lan	vae in or near Feature
(Circle any prese	nt) N	onl					
Water Body Det	ermina	***********	********	***************************		□ No □	☐ Additional evidence required
Flow Regime:		☐ Permar	ent	✓ Intermitter	ıt l	☐ Ephemeral	
Evidence of Wat	*************	*************************	1.56				
recently cleum	ad,	du in the	cos duch	ened Suggi	st	Some degree	of point an inves
	3. S.			and the second second second			

	NATURAL	RESOURCE	SOLUTIONS logists	INC.
(3)	Aquatic, Terrestri	al and Wetland Bio	logists	

Project (No. & Name):	1612 N	Kon/		Field	d Staff: BEI	3	
	7-y-15	Weather Con					
Time Started: ⅓₺₺	,	Temp (°C), W	ind, Cloud Cov	/er (%), Preci	pitation: 🏖	9, 2 EN, OL	, Q
Time Finished.	· <u>/</u>	Precipitation i	n Prior 48hrs (ı	mm): No de	ota		
	-08 H			*************************		*******************	ength Assessed
Feature Name: Unn.	ared Pu		Easting:	03950 11		Upstream:	
Drainage System: South	west lower	Theres	Northing:	4699646		Downstrea	ım: 🕬
Location in System: \mathcal{E}_{ullet}	of Bear Line +	Brooke Line	Water Body	y No. 199			
Channel Characteristic	es and Morphol	DOW ALLA YOU	Lake[☐ Pond	· > > 4 @ 2 > 4 @ 4 > 4 & 4 & 4 & 7 > 6 & 4 & 7 + 5 & 6 & 7 + 5 & 6 & 7 + 6 &	de pond	
☐ Straight		Meandering (H/M Low Flow / Baset	M⊈Sinuosity):	<u> </u>	Defined Moderate F		************************
☑ Standing Water	······	_ow Flow / Base ^t	flow		Moderate F	low 🗆	
☐ Freshet Flow Avg. Wetted Width (m): Avg. Bankfull Width (m):	Chrondized	Q	5 W- ().		8 A		***************************************
Avg. Wetted Width (m):	6,5	Avg. vvater	Deptn (m):	0.15	Max F	,001 Debtu (u	1): 0.25
p (19. Daimtian 11.ati).	. 0.0	, wg. Danner	an Dopun ().			****************	
Substrate Composition ((%) Bot Flat	ılder: —	Cobble: _	. <u> </u>	iravel: –	< </td <td>S. 100</td>	S. 100
Bed Morphology (%)	Fia		Riffle: -			ا Pooi ا :(H/M⁄∕l͡)	: 100
Bank Slope & Stability: Other Comments:	Very High Stop	y think It	spilit v	1 (Balule Graun	SUL (LIVING). I	######################################
***************************************	***************************************	3454334479344499454998444399844399447994449998	M	***************************************		4175444778447794779444879587754477	·
Cheanlized Or	**************************************	11-7-14-73-442-4-032-14-12-0-42-3-4-4-7-4-12-0-4	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~445344730444744447331475444	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4277447734477344774447744477444744	***************************************
Instream Aquatic Habit	tat						
Features (e.g. woody de		anks). ().	Ca- d1	40004443300000000000000000000000000000	**********************	*****************************	2/3448/33048327448/334448/448/46448/435/4545434343448/44449
Vegetation (with % domi	inant) Cor	Circl book	- Jorn year	11.0 %	Nick and	******************************	
Surface Water Quality	TIGHT!	Lorreda y y erro	C	•		***************************************	
Temp (°C):	Turbidity (L/M)/	H):	olour: Brown	C	omments: -	***************************************	14/4***********************************
Riparian Habitat	1 3.3.3.7	7. ()	Divam				
**************************************	/ la.	Jenney Vez	******************************	***************************************	***************************************	************************************	[*************************************
Canopy Cover (% and sp	necies).)=025V.2	.4 < > > 9, 4 < > > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < > 0 < >	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		**************************	~*************************************
Adjacent Land Use:	Jeoica).	ŶĠ	**************************************	**************************	****************************	**************************	1014720002000000000000000000000000000000
General Comments (F	ish observed, u	nusual condition	s culvert/bride	ne description	aroundwate	er indicators a	and description)
No Fish obs		271127114711471147114711471	0, 0011010101010		, 9.00	// // // // // // // // // // // // //	
Tadpoles obs -		491447314877914771148771447714487714447	***************************************	4**************************************	*******************************	****************************	12************************************
no flam obs	Thin Ma	*	645-0449-0443-4482-4824-1877-1777-1879-1879-1	V331AV311/CVAA193ASAVV616V6A14V944		. 14***************************	***************************************
VYZ	·>************************************	*******************************	<pre></pre>	***************************************		-64"554622514222546274642255422254474	***************************************
Photographs No.	Direction [Description		No.	Direction	Description	on
Upstream: 65		***************************************	Other		A479984995-74993742994 (M33479946A		
Downstream: ६६	5		***************************************	40.000.00.000.0000.0000.0000.0000.0000.0000		**************************	
Feature Bed: 67	19.144393144244469+4419446289444884468444444444444444444444444	***************************************	4885482	*******************************			
Culvert / Bridge:	***************************************	40000	***************************************		***************************************	***************************************	***************************************
Vegetation: <i>ና</i> ջ							
Landscape Photo: 69				44/01/4/2014/2014/2014/2014	PARENAMENDAME	**************************************	A CONTRACTOR OF THE PROPERTY O
Additional Characterist	tics						
Describe Bed Material a	nd Soil Conditio	ns in and around	J Feature:	**************************************		***************************************	74.537791477943779447794477947774
***************************************	**************************************		4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************	**************************	***************************************	***************************************
Describe Sediment Depo	osits in Feature	and on Floodpla	in - Recent / H	istoric:	PHET/PHEEPHONE LEADING CO. 201 (1994)	******************************	«(O) (40) ((O) (40) (40) (40) (40) (40) (40) (40) (40
3-345A4033440344034403444		***************************************	***************************************	***************************************			***************************************
Presence of Hydric Soils	.*),	***********************************	*************			v	***************************************
				***************************************	P(*):14.001.42046.521044.0011.4221	44,000,40,000,000,000,000,000,000	***************************************
Describe Debris and / or	*************************	14 x 2 x 2 2 2 4 4 2 2 4 4 2 4 4 4 4 7 7 1 1 2 4 7 2 4 7 2 4 4 7 2 4 7 3 7 4 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4	40.00 x 6.00 x 4.00 x 6.00 x 6.00 x 4.00 x 4.00 x 6.00 x 6.00 x 4.00 x 6.00 x 6	***************		4723044404444444444444	***************************************
Das Corn Seepage Areas / Springs	debris tha	ugh out			******************************	***************************************	Distriction of the second seco
	s / Evidence of F	ligh Water Lable	∍ in or near ⊢e	ature:			(**************************************
Nowl	· *#! Challa	Cfich Chimps	Trockel	· Λαμα	tie Incont I or	in or noc	FL.,na
Attached Agae, Clam or (Circle any present)						1	
Water Body Determinat		Water Body	ar y an ha prompo a pana a kapa sa espa Namboli (1969).	e ingeneral i i mentenima e e constituir e e presidente.	erangal erekumanyi pampuni dapan d	□ Additional	evidence required
The production of the contract	Dormonant	The second of th	Intermittent	LJE	phemeral		
	☑ Permanent		inition in the same of the sam	mental processors and the second seco	Maria de la completa de la constitución de la const		esterne commence contrator and contrator and the contrator contrator and the contrat
Evidence of Water Body	Status:		gardagardaga				
· 在上上上下了一点,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	Status:	s veg su	gardagardaga		it per	at 11/4 (*	

	NATURAL Aquatic Terrestri	RESOURCE	SOLUTIONS	INC.
-	Aquatic, refresin	al and Wetland Bio	iogists	

Desired (No. 9 Nomes)	A - 1		Field Chaffe Po	0
Project (No. & Name): 16/d	N. Itak		Field Staff: Bar	7
Survey Date: 28-May-1	5 Weather Co		***************************************	
Time Started: 1830	Temp (°C), V	Vind, Cloud Cover (%)	, Precipitation: 🏻 🍳	2,0,0
Time Finished: しろみら	Precipitation	in Prior 48hrs (mm):		
Site Code: Swl T-0 95		GPS Location		Estimated Length Assessed
Feature Name: unnamed Di	[m.	Easting: ②3 5	74855	Upstream: 100
Drainage System: South - Wes	+ Lower Thomas	Northing: ५८१	8717	Downstream: 100
Location in System: E of Becc	1 2 18-1	Water Body No.	laa	
Channel Characteristics and M	ornhology ALLIN	☐ Lake ☐ Por		de pond Online/Offline
			☐ Defined	☐ Poorly Defined
☐ Straight ☐ Standing Water	I ow Flow / Ros	eflow		low
☐ Freshet Flow Chan	nel and Dr	etlow		
Avg. Wetted Width (m): 6.5 Avg. Bankfull Width (m): 6.5	nelized Dr	er Depth (m):	Ø May B	Pool Depth (m): 0.15
Avg. Ponkfull Width (m): 5.5	Avg. vvalt Avg. Bank	er Depuir (III).) IVIAX F	Ooi Deptii (iii). U.15
Substrate Composition (91)	Avy. Dalir	Cobble:	Crovol: **	Finos
Substrate Composition (70)	Douldel		Gravel:	Fines: 100 Pool: 100
Bed Morphology (%)	Flat:	Riffle:	Run:	Pool: ≀ <i>∞</i> ent (H/M / D): ↓
Bank Slope & Stability: Very 14	ish Sloper High S	Stability	reature Gradie	
Other Comments:	**************************************	 	^*************************************	***************************************
Chanelized Dr	##************************************		A_{V*A@AF**********************************	·
no vissilli flo-	/			
Instream Aquatic Habitat	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		\$1144294	??}}
Features (e.g. woody debris, undo Vegetation (with % dominant):	ercut banks): \bigvee_{ℓ}	2ty denre	arn debro	
Vegetation (with % dominant):	annoon waterwood f	60%) duk-ve	1 (35%) Brodl	ened Orroberd (77+2
Surface Water Quality			, ««««««««»»«««»»««««««««««««««««««««««	//////////////////////////////////////
Temp (°C): スァ Turbidit	y(L/ /0 0/H): ∕√/⇒ 🗻 C	Colour: Bow	Comments: .	**************************************
Riparian Habitat				
Vegetation: Herbrars plan Canopy Cover (% and species):	to (Re-about SO)) and I). S4-18	
Canopy Cover (% and species):	10% 1 D. She	\ <u>*</u>	(1)	**************************************
Adjacent Land Use: /6	an an an Ale The Angles and an			***************************************
General Comments (Fish obse	rved, unusual conditio	ons, culvert/bridge des	cription, groundwate	er indicators and description)
Characterist Dr				>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Chanalized DV			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
No Fish obs	3			
No Fish obs flow				
No Fish obs na vissible flow Danse no valit	Ves			
No. Fish obs. No. vissible flow Danse me value Photographs No. Direction	Ves		No. Direction	Description
Photographs No. Direction Upstream: 60 N	Ves	Other:		
Photographs No. Direction Upstream:	Ves		No. Direction	
Photographs No. Direction Upstream: 60 N Downstream: 60 S Feature Bed: 00 -	Ves		No. Direction	
Photographs No. Direction Upstream: 60 N Downstream: 6 S Feature Bed: 00 Culvert / Bridge: -	Ves		No. Direction	
Photographs No. Direction Upstream: Feature Bed: Culvert / Bridge: Vegetation: Outstants Outstants All All All All All All All All All Al	Ves		No. Direction	
Photographs No. Direction Upstream: 60 N Downstream: 60 C Upstream: 60 C Culvert / Bridge: Vegetation: 63 Landscape Photo: 64 N	Ves		No. Direction	
Photographs No. Direction Upstream: (1) No. Direction Upstream: (2) No. Direction Upstream: (3) No. Direction Upstream: (4) No. Direction Upstream: (5) No. Direction Upstream: (6) No. Direction Upstream: (7) No. Direction Upstream: (8) No. Direction Upstream: (8) No. Direction Upstream: (8) No. Direction Upstream: (9) No. Direction Upst	Description Description	Other:	No. Direction	
Photographs No. Direction Upstream: 60 N Downstream: 60 C Upstream: 60 C Culvert / Bridge: Vegetation: 63 Landscape Photo: 64 N	Description Description	Other:	No. Direction	
Photographs No. Direction Upstream: 60 N Downstream: 60 N Downstream: 60 N Feature Bed: 60 - Culvert / Bridge: - Vegetation: 63 - Landscape Photo: 64 N Additional Characteristics Describe Bed Material and Soil C	Description Description onditions in and arour	Other:	No. Direction	
Photographs No. Direction Upstream: (1) No. Direction Upstream: (2) No. Direction Upstream: (3) No. Direction Upstream: (4) No. Direction Upstream: (5) No. Direction Upstream: (6) No. Direction Upstream: (7) No. Direction Upstream: (8) No. Direction Upstream: (8) No. Direction Upstream: (8) No. Direction Upstream: (9) No. Direction Upst	Description Description onditions in and arour	Other:	No. Direction	
Photographs No. Direction Upstream: Downstream: Culvert / Bridge: Vegetation: Landscape Photo: Describe Bed Material and Soil Composite in Ference of the Composite in Fer	Description Description onditions in and arour	Other:	No. Direction	
Photographs No. Direction Upstream: 60 N Downstream: 60 N Downstream: 60 N Feature Bed: 60 - Culvert / Bridge: - Vegetation: 63 - Landscape Photo: 64 N Additional Characteristics Describe Bed Material and Soil C	Description Description onditions in and arour	Other:	No. Direction	
Photographs No. Direction Upstream: 60 N Downstream: 60 N	on Description onditions in and arour eature and on Floodpl	Other: nd Feature: ain - Recent / Historic	No. Direction	
Photographs No. Direction Upstream: 60 No. Downstream: 60 No. Downstre	on Description onditions in and arour eature and on Floodpl er in Feature (type,am	Other: nd Feature: ain - Recent / Historic	No. Direction	
Photographs No. Direction Upstream: 60 No. Downstream: 60 No. Downstre	on Description onditions in and arour eature and on Floodpl er in Feature (type,am	Other: nd Feature: ain - Recent / Historic	No. Direction	
Photographs No. Direction Upstream: 60 N Downstream: 60 N	on Description onditions in and arour eature and on Floodpl er in Feature (type,am	Other: nd Feature: ain - Recent / Historic	No. Direction	
Photographs No. Direction Upstream: 60 No. Direc	on Description onditions in and arour eature and on Floodpl er in Feature (type,am	Other: nd Feature: ain - Recent / Historic nount, location):	No. Direction	Description
Photographs No. Direction Upstream: 60 No. Direc	on Description onditions in and arour eature and on Floodpl er in Feature (type,am	Other: nd Feature: ain - Recent / Historic nount, location):	No. Direction	Description
Photographs No. Direction Upstream: 60 No. Direc	on Description onditions in and arour eature and on Floodpl er in Feature (type,am	Other: nd Feature: ain - Recent / Historic nount, location): ble in or near Feature:	No. Direction	Description
Photographs No. Direction Upstream: 60 No. Direc	on Description onditions in and arour eature and on Floodpl er in Feature (type,am	Other: nd Feature: ain - Recent / Historic nount, location): ple in or near Feature:	No. Direction	Description
Photographs No. Direction Upstream: (C) No. Direction Upst	er in Feature (type, am	Other: nd Feature: ain - Recent / Historic nount, location): ple in or near Feature:	No. Direction	Description wae in or near Feature
Photographs No. Direction Upstream: 60 No. Direc	er in Feature (type, am	Other: Other: ain - Recent / Historic nount, location): ble in or near Feature: neys or Exoskeltons, o	No. Direction The property of Aquatic Insect Lar □ No [Description wae in or near Feature
Photographs No. Direction Upstream: () No. Direc	on Description onditions in and around arou	Other: Other: Ind Feature: ain - Recent / Historic nount, location): Die in or near Feature: neys or Exoskeltons, of the content of the	No. Direction The properties of the properties	Description wae in or near Feature

		RESOURCE	SOLUTIONS logists	Inc.
Project	(No. & Na	me):	1612 N	1. Kent
Survey	Date:	28 - Mny	1.5	Weather Conditions
Time Sta		1140		Temp (°C), Wind, Cloud
Time Fir		1155		Precipitation in Prior 48
			Maria de la Maria de La Maria de Maria	

Project (No. & N	Name):	1612	N. Kent		Field Staff: パだ	7
Survey Date:	28 -	May - 1.5	Weather C	onditions		
Time Started:	1140	1	Temp (°C),	Wind, Cloud Cover (%	6), Precipitation: 🗦 🖟	0,8,a
Time Finished:			Precipitatio	n in Prior 48hrs (mm):	10.75 mm 8.01	
Site Code:			*******************************	GPS Location		stimated Length Assessed
Feature Name:	Cum				98640	Upstream: Թ
Drainage Systen	n: Lal	En St Clas	***************************************	Northing:	705365	Downstream:
Location in Syste	***************	N Zuhn	066	Water Body No.	$^{\prime}$ $^{\prime}$ $^{\prime}$	
Channel Charac	ctoristic	s and Morph	ology ALIA	Northing: Water Body No.	ond 🗌 Man-mad	e pond Online/Offline
Straight			Meandering (H/M@Sinuosity):	Defined	
☐ Standing V	Vater	′ 🐷	Low Flow / Ba	seflow	☐ Moderate Flo	□ Poorly Defined □ High / Flood Flow
☐ Freshet Flo	w	C6~	1.5.1 N =	***************************************		
Ava Wetted Wic	th (m)	1. D	Ava Wa	ater Depth (m): 🗸 🕽	<i>⊙</i> Max Po	ool Depth (m): 🚓 🔭
Avg. Bankfull Wi	idth (m).	VG.Y	Avg Ba	nkfull Depth (m): 🗷 🍕		
Substrate Comp	osition (%) 8	oulder: –	Cobble:	Gravel: —	Fines: 🐶
Bed Morphology	(%)	FI	at: –	Riffle:	Run: -	Pool: 100
Bank Slone & St	ability.	\ H / _1.	. /u	Stabilty	Feature Gradie	
Other Comments	3:	S107	oc		***************************************	0.2220 Account of the control of the
CL 112.1	۵	*************************	********************************	y-429494279494794442944795474594447144474444744447444474		***************************************
Opmnenere		.3. 	4.791.1127.044.27044.27944.27944.27944.279	***************************************		
Instream Aquat	ic Habit	at				
Features (e.g. wo	oody del	oris undercut	hanks)· //	~Jr >F C	41 11-	>>>
Vegetation (with	% domir	nant). C 4.	1 ca (22%	os:ts of C Duckment	(*
Surface Water (Juality					***************************************
Temp (°C):	1 D	Turbidity (L/K	0 /H)· ^.1	Colour: 🔏 🗸 💮	Comments:	***************************************
Riparian Habita	1 1 1 1	ransianty (E/O	<i>j</i>). / © \	Octobri Diam		
			***************************************		>+442>+433>+4439>+443>>>+443>>+443>+443>+443>	***************************************
Vegetation:	l. Ur	*155 #5 Nacional: XO		/}=4//944/***		
Canopy Cover (% Adjacent Land U	∕o anu sh	decies). (X		***************************************	***************************************	
Aujacent Land O	3C.	710				
				ione cillyart/hridda de	scrintion aroundwate	r indicators and description)
						r indicators and description)
				fign 444		
No Fish well define	065 d	v W	no visible		erb undon 1 sign	wa vey
No Fish (W∈ I\ define Photographs	065 d d	Direction	no បន្ទៅ៤ Description	flun und		
No Fish (Well define Photographs Upstream:	No.	Direction	no បន្ទៅ៤ Description		erb undon 1 sign	wa vey
No Fish of the Affine Photographs Upstream: Downstream:	No. 50	Direction	no បន្ទៅ៤ Description	flun und	erb undon 1 sign	wa vey
Photographs Upstream: Downstream: Feature Bed:	No.	Direction	no បន្ទៅ៤ Description	flun und	erb undon 1 sign	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge:	No. 50	Direction	no បន្ទៅ៤ Description	flun und	erb undon 1 sign	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation:	No. 50 53	Direction	no បន្ទៅ៤ Description	flun und	erb undon 1 sign	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photographs	No. 50 51 53 0: 5u	Direction 5 W 5	no បន្ទៅ៤ Description	flun und	erb undon 1 sign	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char	No. 50 51 53 o: 54 acterist	Direction S N S ics	no vsific	fin and	erb undon 1 sign	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photographs	No. 50 51 53 o: 54 acterist	Direction S N S ics	no vsific	fin and	erb undon 1 sign	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma	No. 50 51 53 o: 53 racterist aterial ar	Direction 5 W - 5 ics and Soil Conditi	Description	Other:	No. Direction	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma	No. 50 51 53 o: 53 racterist aterial ar	Direction 5 W - 5 ics and Soil Conditi	Description	fin and	No. Direction	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma Describe Sedime	No. 50 53 0: 53 acterist aterial ar	Direction 5 W - - - S ics nd Soil Conditionsits in Feature	Description	Other:	No. Direction	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma	No. 50 53 0: 53 acterist aterial ar	Direction 5 W - - - S ics nd Soil Conditionsits in Feature	Description	Other:	No. Direction	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma Describe Sedime Presence of Hyd	No. 50 53 o: 54 racterist aterial ar	Direction N S ics id Soil Conditionsits in Feature	Description ons in and aro and on Flood	Other: und Feature: plain - Recent / Histor	No. Direction	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma Presence of Hyd Describe Debris	No. 50 53 o: 53 racterist aterial arent Depo	Direction 5 7 Sics and Soil Conditionsits in Feature	Description ons in and aro and on Flood	Other: und Feature: plain - Recent / Histor mount, location):	No. Direction	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma Presence of Hyd Describe Debris	No. 50 53 o: 53 racterist aterial arent Depo	Direction 5 W 5 ics nd Soil Conditionsits in Feature	Description ons in and aro and on Flood	Other: und Feature: plain - Recent / Histor mount, location):	No. Direction	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma Describe Sedime Presence of Hyd Describe Debris Seepage Areas /	No. 50 53 o: 53 racterist aterial arent Depo	Direction 5 W 5 ics nd Soil Conditionsits in Feature	Description ons in and aro and on Flood	Other: und Feature: plain - Recent / Histor	No. Direction	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma Describe Sedime Presence of Hyd Describe Debris Seepage Areas /	No. 50 50 acterist aterial arent Deportic Soils: and / or Springs	Direction 5 W 5 ics Id Soil Conditionsits in Feature Leaf Litter in I	Description ions in and aro e and on Flood Feature (type,a	Other: und Feature: plain - Recent / Histor mount, location):	No. Direction	Description
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma Describe Sedime Presence of Hyd Describe Debris Seepage Areas /	No. 50 50 50 acterist aterial arent Deportic Soils: and / or	Direction 5 W 5 ics Id Soil Conditionsits in Feature Leaf Litter in I	Description ions in and aro e and on Flood Feature (type,a	Other: und Feature: plain - Recent / Histor mount, location):	No. Direction	wa vey
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma Describe Sedime Presence of Hyd Describe Debris Seepage Areas / Wattached Argae, (Circle any prese	No. 50 50 Facterist aterial are Soils: and / or Springs Clam or	Direction N S ics Ind Soil Condition Sits in Feature Leaf Litter in I CO H Mussel Shells	Description Jons in and aro e and on Flood Feature (type, a	Other: Und Feature: plain - Recent / Histor mount, location): able in or near Feature mneys or Exoskeltons,	No. Direction	Description vae in or near Feature
Photographs Upstream: Downstream: Eeature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma Describe Sedime Presence of Hyd Describe Debris Seepage Areas / Attached Algae, (Circle any prese Water Body Determine)	No. 50 53 0: 54 acterist aterial arent Deportic Soils: and / or f Springs Clam or ent) erminat	Direction N Sics Ind Soil Condition Sits in Feature Leaf Litter in I Cultical Litter in I Mussel Shells Indianal Condition	Description Tons in and aro and on Flood Feature (type, and the first of the firs	Other: Other: und Feature: plain - Recent / Histor mount, location): authorized by the seature of the seat	No. Direction No. Direction ic: or Aquatic Insect Lar	Description
Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma Describe Sedime Presence of Hyd Describe Debris Seepage Areas / Noces Attached Algae, (Circle any prese Water Body Deter Flow Regime:	No. 50 50 50 acterist aterial arent Deportic Soils: and / or of Springs Clam or ont) erminat	Direction S N	Description Tons in and aro and on Flood Feature (type, and the first of the firs	Other: Und Feature: plain - Recent / Histor mount, location): able in or near Feature mneys or Exoskeltons,	No. Direction	Description vae in or near Feature
Photographs Upstream: Downstream: Eeature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Char Describe Bed Ma Describe Sedime Presence of Hyd Describe Debris Seepage Areas / Attached Algae, (Circle any prese Water Body Determine)	No. 50 50 50 acterist aterial arent Deportic Soils: and / or of Springs Clam or ont) erminat	Direction S N	Description One in and aro and on Flood Feature (type, and the image) f High Water Takes, Crayfish Chir	Other: Other: und Feature: plain - Recent / Histor mount, location): authorized by the seature of the seat	No. Direction No. Direction ic: or Aquatic Insect Lar	Description vae in or near Feature

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Project (No. & Name): 612 N.	,	
	CEAR	ield Staff: 15£ B
Survey Date: 28-May-15	Weather Conditions	
Time Started: 1120		ecipitation: 🎖 4, 0, 🔘 👂
Time Finished: 11 35	Precipitation in Prior 48hrs (mm): 10.	8 mm
Site Code: LSCT-205	GPS Location	Estimated Length Assessed
	Easting: 039846	Upstream: 100
Preature Name: Completed du Drainage System: Lake St Claut	Northing: Ur ö 5 8 2	Downstream
Location in System: PN 7460065	Water Body No. 2	<u> </u>
Channel Characteristics and Mornho	logy NA Lake Pond	☐ Man-made pond Online/Offline
Straight	Meandering (H/M/t 3Sinussity):	☐ Defined ☐ Poorly Defined
Standing Water	Low Flow / Resoflow	☐ Moderate Flow ☐ High / Flood Flow
☐ Stationing Water	Meandering (H/M/DSinuosity): Low Flow / Baseflow Avg. Water Depth (m): 0.5 Avg. Bankfull Depth (m): 0.5	inioderate riow in riigit/riood riow
Avg Wetted Width (m): 35	Avg. Water Depth (m):	Max Pool Denth (m): 73 lb
Avg. Rankfull Width (m): 10	Avg. Rankfull Denth (m): (2)	max i coi Depui (iii). D.,15
Substrate Composition (%)	Avg. Bankium Deptin (iii). O. s	Gravel: - Fines:
Substrate Composition (%) Bo Bed Morphology (%) Fla	uidei. Coddie.	Gravel: - Fines: 😥 Run: - Pool: 50
Benk Slope & Stability L	t: 50 Riffle: -	Feature Gradient (H/M/L):
Other Comments:	Huh Statility	Teature Gradient (1777).

Channell 2, d Dr		ультания антоному мененовном помененовном по
In the second of the second		
Instream Aquatic Habitat		
Features (e.g. woody debris, undercut b	anks): Dense control /Phrog debri-	D) 4
Vegetation (with % dominant): Jucky	ned (50%) (nila / Osis)	Thing (252)
Surface Water Quality	H): L Colour: Brown	Comments: -
	H): L Colour: Blown	Comments: -
Riparian Habitat		
Vegetation: T. Grasses / Physical	TO THE PROPERTY OF THE PROPERT	, spaniarium variam antaniarium varian v
Carlopy Cover (% and species).		······································
Adjacent Land Use: 🔥 🖟 🕒		
General Comments (Fish observed, u	inusual conditions, culvert/bridge descrip	tion, groundwater indicators and description)
No Fish also well	defined dr ve abundant	in Streem Very
Very Low from 065	entre de la company de la comp	
The state of the s	THE COLUMN THE PROPERTY OF THE	
	,	
Photographs No. Direction	Description	No. Direction Description
Upstream: 45 E		TOTAL TO THE TAXABLE TO THE TRANSPORT OF THE TAXABLE TO THE TAXABL
IUDSIICAIII. ***** L	Ollei.	
***************************************	Other:	
Downstream: 46 ~	Olliel.	
Downstream: ↓6 ~ Feature Bed: ↓ 7 -	Olliel.	
Downstream: 46 ~ Feature Bed: 47 - Culvert / Bridge: -	Other.	
Downstream: 46 ~ Feature Bed: 47 - Culvert / Bridge: - Vegetation: 48 -	Olliel.	
Downstream: 46 ~ Feature Bed: 47 - Culvert / Bridge: - Vegetation: 48 - Landscape Photo: 49 E	Other.	
Downstream: 46 ~ Feature Bed: 47 - Culvert / Bridge: - Vegetation: 48 - Landscape Photo: 49 E Additional Characteristics		
Downstream: 46 ~ Feature Bed: 47 - Culvert / Bridge: - Vegetation: 48 - Landscape Photo: 49 E		
Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Characteristics Describe Bed Material and Soil Condition	ons in and around Feature:	
Downstream: 46 ~ Feature Bed: 47 - Culvert / Bridge: - Vegetation: 48 - Landscape Photo: 49 E Additional Characteristics	ons in and around Feature:	
Downstream: 46 Feature Bed: 47 - Culvert / Bridge: Vegetation: 48 - Landscape Photo: 49 E Additional Characteristics Describe Bed Material and Soil Conditional Characteristics	ons in and around Feature:	
Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Additional Characteristics Describe Bed Material and Soil Condition	ons in and around Feature:	
Downstream: 46 Feature Bed: 47 Culvert / Bridge: - Vegetation: 48 Landscape Photo: 49 Additional Characteristics Describe Bed Material and Soil Condition Describe Sediment Deposits in Feature Presence of Hydric Soils:	ons in and around Feature: and on Floodplain - Recent / Historic:	
Downstream: Feature Bed: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Landsc	and on Floodplain - Recent / Historic:	
Downstream: Feature Bed: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Landsc	and on Floodplain - Recent / Historic:	
Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: La	ons in and around Feature: and on Floodplain - Recent / Historic:	
Downstream: 46 Feature Bed: 47 Culvert / Bridge: Vegetation: 46 Landscape Photo: 49 Additional Characteristics Describe Bed Material and Soil Condition Describe Sediment Deposits in Feature Presence of Hydric Soils: Describe Debris and / or Leaf Litter in F	and on Floodplain - Recent / Historic: eature (type,amount, location): High Water Table in or near Feature:	
Downstream: 46 Feature Bed: 47 Culvert / Bridge: Vegetation: 46 Landscape Photo: 49 EAdditional Characteristics Describe Bed Material and Soil Condition Describe Sediment Deposits in Feature Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Fallocate Seepage Areas / Springs / Evidence of Now Cattached Agae Clam or Mussel Shells,	and on Floodplain - Recent / Historic:	
Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: La	and on Floodplain - Recent / Historic: eature (type,amount, location): High Water Table in or near Feature: Crayfish Chimneys or Exoskeltons, or A	quatic Insect Larvae in or near Feature
Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Landscape Photo: Culvert / Bridge: Vegetation: Landscape Photo: Culvert / Bridge: Vegetation: Landscape Photo: Culvert / Bridge: Additional Characteristics Describe Bed Material and Soil Condition Describe Sediment Deposits in Feature Presence of Hydric Soils: Describe Debris and / or Leaf Litter in F Additional Characteristics Describe Sediment Deposits in Feature Presence of Hydric Soils: Describe Debris and / or Leaf Litter in F Additional Characteristics Describe Sediment Deposits in Feature Presence of Hydric Soils: Additional Characteristics Describe Sediment Deposits in Feature Presence of Hydric Soils: Additional Characteristics Describe Sediment Deposits in Feature Presence of Hydric Soils: Cartilloria Characteristics Describe Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils:	and on Floodplain - Recent / Historic: eature (type,amount, location): High Water Table in or near Feature: Crayfish Chimneys or Exoskeltons, or A	quatic Insect Larvae in or near Feature ☐ No ☐ Additional evidence required
Downstream: Feature Bed: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Landscape Photo: Culvert / Bridge: Vegetation: Landscape Photo: Culvert / Bridge: Vegetation: Landscape Photo: Culvert / Bridge: Additional Characteristics Describe Bed Material and Soil Condition Describe Bed Material and Soil Condition Describe Sediment Deposits in Feature Presence of Hydric Soils: Describe Debris and / or Leaf Litter in F Additional Characteristics Describe Bed Material and Soil Condition Presence of Hydric Soils: Additional Characteristics Describe Bed Material and Soil Condition Presence of Hydric Soils: Additional Characteristics Describe Bed Material and Soil Condition Permanent Mater Body Determination Flow Regime: Permanent	and on Floodplain - Recent / Historic: eature (type,amount, location): High Water Table in or near Feature: Crayfish Chimneys or Exoskeltons, or A	quatic Insect Larvae in or near Feature
Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo: Landscape Photo: Culvert / Bridge: Vegetation: Landscape Photo: Culvert / Bridge: Vegetation: Landscape Photo: Culvert / Bridge: Additional Characteristics Describe Bed Material and Soil Condition Describe Sediment Deposits in Feature Presence of Hydric Soils: Describe Debris and / or Leaf Litter in F Additional Characteristics Describe Sediment Deposits in Feature Presence of Hydric Soils: Describe Debris and / or Leaf Litter in F Additional Characteristics Describe Sediment Deposits in Feature Presence of Hydric Soils: Additional Characteristics Describe Sediment Deposits in Feature Presence of Hydric Soils: Additional Characteristics Describe Sediment Deposits in Feature Presence of Hydric Soils: Cartilloria Characteristics Describe Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils: Culvert Sediment Deposits in Feature Presence of Hydric Soils:	and on Floodplain - Recent / Historic: eature (type,amount, location): High Water Table in or near Feature: Crayfish Chimneys or Exoskeltons, or A	quatic Insect Larvae in or near Feature No Additional evidence required Ephemeral

9	NATURAL	RESOURCE	SOLUTIONS logists	INC.
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Project (No. & Name): 1612 · North Kent	Field Staff: Steve 8.
Survey Date: April 24, 2015 Weather Conditions	SKV 6.
Time Started: 8:10 Temp (°C), Wind, Cloud Cover (%),	Precipitation: /'c , 4 , 0% Now
Time Finished: 8:30 Precipitation in Prior 48hrs (mm):	
Site Code: ડાપ્રા - ૦૬૫ GPS Location	Estimated Length Assessed
Feature Name: Unnamed Drain Easting: 0395171	
Drainage System: Sw Cower Thames River Northing: 4698718	Downstream: 5ರ
Location in System: Dear Line @ St. Andrews Line Water Body No.	202.
Channel Characteristics and Morphology № /A □ Lake □ Pond	
✓ Straight✓ Meandering (H/M/L Sinuosity):✓ Low Flow / Baseflow	✓ Defined ☐ Poorly Defined ☐ Moderate Flow ☐ High / Flood Flow
	☐ Moderate Flow ☐ High / Flood Flow
Freshet Flow	Max Pool Depth (m): ๗/д
Avg. Wetted Width (m): 0.98 Avg. Water Depth (m): 0.10 Avg. Bankfull Width (m): 2.8 Avg. Bankfull Depth (m): 0.8	Max Pool Depth (m): ม/д
Substrate Composition (%) Boulder: - Cobble:	Gravel: - Fines: 100
Bed Morphology (%) Flat: 1≥0.0 Riffle: ^	Run: - Pool: -
Bank Slope & Stability: 475° slability fair	Feature Gradient (H/M/L):
Other Comments:	
B.	
Instream Aquatic Habitat	
Features (e.g. woody debris, undercut banks): //eg.tation	
Features (e.g. woody debris, undercut banks): Vegetation Vegetation (with % dominant): Algue - 70% Office 30% Surface Water Quality	×
Temp (°C): 1.5°C Turbidity (L/M/H): L Colour: None	Comments:
Riparian Habitat	Comments.
Vegetation: Grass, Horsefail, Cattail, Herbaceous plants	
Canopy Cover (% and species): Ceder hedge on N side (morn	in a do
Adia and Land Lland	1. 34 2840C95-1
Adjacent Land Use: Road to south ? Agricultural	2
Adjacent Land Use: Road to south Agricultural General Comments (Fish observed, unusual conditions, culvert/bridge descriptions)	J
General Comments (Fish observed, unusual conditions, culvert/bridge descr	J
General Comments (Fish observed, unusual conditions, culvert/bridge descr • Nວ નિંડીન	J
General Comments (Fish observed, unusual conditions, culvert/bridge descr	J
General Comments (Fish observed, unusual conditions, culvert/bridge described in the secretary of the secret	ription, groundwater indicators and description)
General Comments (Fish observed, unusual conditions, culvert/bridge described for the fish observed for the fish	J
Fish Photographs No. Direction Description Upstream: OD28 Number of State of S	ription, groundwater indicators and description)
General Comments (Fish observed, unusual conditions, culvert/bridge description Photographs No. Direction Description Upstream: 0028 NW — Other: Downstream: 0029 SE —	ription, groundwater indicators and description) No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge description) Photographs No. Direction Description Upstream: 0028 NW - Other: Downstream: 0029 SE - Feature Bed: 0030 -	ription, groundwater indicators and description) No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge description) Photographs No. Direction Description Upstream: 0028 NW - Other: Downstream: 0029 SE - Feature Bed: 0030 Culvert / Bridge: -	ription, groundwater indicators and description) No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge description) Photographs No. Direction Description Upstream: 0028 NW - Other: Downstream: 0029 SE - Feature Bed: 0030 -	ription, groundwater indicators and description) No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge description) Photographs No. Direction Description Upstream: 0028 NW Other: Downstream: 0029 SE Feature Bed: 0030 Culvert / Bridge: Vegetation: 0030	ription, groundwater indicators and description) No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge described by Fish Facessive algae growth Photographs No. Direction Description Upstream: 0028 NW Other: Downstream: 0029 SE Feature Bed: 0030 Culvert / Bridge:	ription, groundwater indicators and description) No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge described fish fish fish fish fish fish fish fish	ription, groundwater indicators and description) No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge described by Fish Excessive algae growth. Photographs No. Direction Description Upstream: 0028 NW Other: Downstream: 0029 SE Feature Bed: 0030 — — Culvert / Bridge: — Vegetation: 0030 — — Landscape Photo: — — Additional Characteristics	ription, groundwater indicators and description) No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge described fish fish fish fish fish fish fish fish	No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge described fish fish fish fish fish fish fish fish	ription, groundwater indicators and description) No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge described by the fish observed, unusual conditions of the fish observed, unusual conditions, culvert/bridge described by the fish observed by the fish o	No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge described fish fish fish fish fish fish fish fish	No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge description) Excessive algae growth Photographs No. Direction Description Upstream: 0028 NW Other: Downstream: 0029 SE	niption, groundwater indicators and description) No. Direction Description No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge description) No. Fish Excessive algae growth. Photographs No. Direction Description Upstream: 0028 NW — Other: Downstream: 0029 SE — Feature Bed: 0030 — — Culvert / Bridge: — — — Vegetation: 0030 — — Landscape Photo: — — — Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature:	ription, groundwater indicators and description) No. Direction Description N/A N/A N/A N/A
General Comments (Fish observed, unusual conditions, culvert/bridge description) Photographs No. Direction Description Upstream: 0029 NW — Other: Downstream: 0029 SE — Feature Bed: 0030 — — Culvert / Bridge: — — Vegetation: 0030 — — Landscape Photo: — — Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature: Attached Algae Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or	ription, groundwater indicators and description) No. Direction Description N/A N/A N/A N/A
General Comments (Fish observed, unusual conditions, culvert/bridge description) Photographs No. Direction Description Upstream: 0029 NW — Other: Downstream: 0029 SE — Feature Bed: 0030 — — Culvert / Bridge: — — Vegetation: 0030 — — Landscape Photo: — — Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature: Attached Algae) Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or (Circle any present)	No. Direction Description No. No. Direction Description No. No. Direction Description No. Direction Description No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge description) Photographs No. Direction Description Upstream: 0029 NW — Other: Downstream: 0029 SE — Feature Bed: 0030 — — Culvert / Bridge: — — — — Landscape Photo: — — — — Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature: Attached Algae) Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or (Circle any present) Water Body Determination Water Body?	No. Direction Description No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge description	No. Direction Description No. No. Direction Description No. No. Direction Description No. Direction Description No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge description) Photographs No. Direction Description Upstream: 0029 NW — Other: Downstream: 0029 SE — Feature Bed: 0030 — — Culvert / Bridge: — — — — Landscape Photo: — — — — Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Seepage Areas / Springs / Evidence of High Water Table in or near Feature: Attached Algae) Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or (Circle any present) Water Body Determination Water Body?	No. Direction Description No. Direction Description



Project (No. & Name): 16k	Nitron		Field Staff:	
Survey Date: oFMay 15	Weather Co	nditions	XXXXX	
Time Started: 1505	Temp (°C), \	Wind, Cloud Cover (%),	Precipitation: 22 . 8 °, 3	355€ 5 . Ø
Time Finished: 1535	Precipitation	in Prior 48hrs (mm): 🖂	.omm	
Site Code: L&T 188		GPS Location	Estima	ated Length Assessed
Feature Name: DYLR ()	<u> </u>	Easting: 0392394		tream: 150
Drainage System: L, k, St	· clair	Northing: 47の4		vnstream: 15v
Location in System:	S OF Down dr L		203	
Channel Characteristics and		☐ Lake ☐ Pond		d Online/Offline
☐ Straight	The Name of the State of the St	/M/L Sinuosity):	☐ Defined	☐ Poorly Defined
Standing Water	Low Flow / Bas	eflow	☐ Moderate Flow	☐ High / Flood Flow
	~1			
Avg. Wetted Width (m):	Avg. Wat	er Depth (m): O//	Max Pool De	epth (m): 0.1
IAVO Bankiuli vvioin (m): 1.4	s Avg. Ban	kfull Depth (m): 0,6		
Substrate Composition (%)	Boulder:	Cobble: -	Gravel:	Fines: lor
Bed Morphology (%)	Flat: —	Riffle:	Run: –	Pool: 100
Bank Slope & Stability: 11 Slope	. 1 St-6: 1:ty		Feature Gradient (H/	M/L2):
Other Comments:	7			
Channelizat Ok				
Instream Aquatic Habitat				
Features (e.g. woody debris, un		is of many	dobs thou	kowi
Vegetation (with % dominant):	ane	***************************************		
Surface Water Quality				
Temp (°C): 15 Turbio	lity (L/M/H): C	Colour: Greek	Comments: —	
Riparian Habitat				
Vegetation: None	- Kerthy Clanned			
Canopy Cover (% and species):	: Q '			
Adjacent Land Use:				
General Comments (Fish obs No Fish obs Chronnel Zid dv \$\sigm\$ Syrs				
Photographs No. Direct	tion Description		No. Direction Des	scription
Upstream: SE	905	Other:		
Downstream:	906 -		0=1000000000000000000000000000000000000	
Feature Bed:	907 _			
Culvert / Bridge:				
Vegetation:	906 -			
Landscape Photo: 🖇 🖟	909 -			
Additional Characteristics				
Describe Bed Material and Soil	Conditions in and arou	nd Feature:		
Describe Sediment Deposits in	Feature and on Floodp	lain - Recent / Historic:		
Presence of Hydric Soils:				
Describe Debris and / or Leaf L		nount, location):		
Seepage Areas / Springs / Evid	ence of High Water Tal	ole in or near Feature:		
Attached Algae, Clam or Musse (Circle any present)	l Shells, Crayfish Chim	neys or Exoskeltons, or	Aquatic Insect Larvae in	or near Feature
Water Body Determination	Water Bo	dy? ☑ Yes	□ No □ Add	litional evidence required
and the contract of the contra		☑ Intermittent	☐ Ephemeral	
Evidence of Water Body Status				
	ised on uls a c	11/5 Channel	conditions	

NATURAL RESO Aquatic, Terrestrial and We	NURCE SOLUTIONS etland Biologists	INC.	Renew	able Energy Wate	er Body Site Inves Office Use	
Project (No. & Name):	1612 N K	Ent		Field Staff:	Be 8	
Survey Date: 21 Apr		Neather Cond	tions			
Time Started: 134				%), Precipitation:	10 8 /11 100	<i>'</i> L <i>K</i>
Time Finished: 1343	***************************************	Precipitation in	Prior 18hrs (mm	: No Data	10.8 , 6ω , 100	
	1	тестриацогі пт	GPS Location	· NODZOG	Estimated Lan	ath Assessed
Site Code:	-211	********************************	GPS Location	***************************************	Estimated Len	***************************************
i catule Name. Unname	ed UP	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Lasting. US96	\$.75	Upstream:	**************************
Drainage System: Lak	enne en soje en bereit i gjer je re en over verken i gy- en en beneden e		Northing: 47	53783	Downstream	: \
	at Rankin C	.r	Water Body No			
Channel Characteristic	s and Morpholog	NIA -	∣Lake □ F			Online/Offline
☑ Straight	☐ Mea	andering (H/M/I	_ Sinuosity):			Poorly Defined
☐ Standing Water	´ □ Lov	/ Flow / Baseflo)W	☐ Moderat	e Flow 🔲 📙	ligh / Flood Flow
				*		
Avg. Wetted Width (m):	UnK	Avg. Water [Depth (m): Un K	Ma	x Pool Depth (m):	UNK
Avg. Bankfull Width (m):	Unk	Avg. Bankful	Depth (m): 🔰 🖟	la.		***************************************
Substrate Composition (%) unk Boulde	er:	Cobble:	Gravel:	Fines.	
Bed Morphology (%)	UnK Flat:		Riffle:	Run:	Pool:-	***************************************
Bank Slope & Stability:	Moderate Slass	<u> </u>		Feature Gr	adient (H/M/L):	***************************************
IOther Comments:	<# style="background-color: blue;">< 8					***************************************
No acres t	o WB b	ark Florial	roublis	Sports	some degree	
Rimanence	·	MCP I I See 3			<u> </u>	
Instream Aquatic Habit			NAGOTI A ATRAGARNA NA VALVA - CIVI GAGATARA ATRA	**************************		*****************
Features (e.g. woody de Vegetation (with % domi	pris, undercut bank nant):		:CS			*
Surface Water Quality	Unk	(2) 4 (1) 2 4 (1) 4 3 (2) 2 2 2 3 (1) 302 2 4 4 2 2 0 1 (1) 2 1 4 4 2 302		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***************************************
Temp (°C):	Turbidity (L/M/H):	- Colo	ur: 느	Comments		***************************************
Riparian Habitat			Albanda			**************************************
Vegetation: VnK	4794427784 (XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	******************************	***************************************	ey::640***********************************	***************************************	***************************************
Canopy Cover (% and sp	necies).			yo	***************************************	*********************************
	AG1		42704413341428444444444444444444444444444444	***************************************		**********************************
General Comments (F		aual conditions	aulyort/bridge d	occription groundy	vator indicators an	d docarintian)
4 * 5 * 4 * 2 * 5 * 6 * 6 * 7 * 7 * 7 * 7 * 7 * 7 * 7 * 7					valer indicators arr	a description)
No access	to Channeli	ed dr	feature			
Proximity to	Rankin Cr	and bo	ck thorn	S ₉₉	Somedayo	A
per manerice	**************************************		<i>O</i>	***************************************		
V			220000000000000000000000000000000000000			
Photographs No.		scription	*********************************	No. Directio	n Description	
Upstream: Too	far to	accurably F	hotegan Other:			
Downstream:	***********************************		Or .			***************
Feature Bed: -	***************************************				***********************************	**************************************
Culvert / Bridge: -	### ### ### ### ### ### ### ### ### ### ### ### ### ### ### ### ### ###				**************************************	*******************************
Vegetation:	***************************************	***************************************			***************************************	[A77774/2]************************************
Landscape Photo:			-			
Additional Characterist	ics					
Describe Bed Material ar ເປໄ∆	nd Soil Conditions	in and around f	eature:	,	***************************************	*********************************
Describe Sediment Depo	osits in Feature and	l on Floodplain	- Recent / Histo	ric:	***************************************	
Ŋ/₩ Presence of Hydric Soils		***************************************	***************************************			(49 - 400) \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
N/A	· •			***************************************		***************************************
Describe Debris and / or	Leaf Litter in Feat	ure (type,amou	nt, location):			
N IA Seepage Areas / Springs	s / Evidence of Higl	n Water Table i	n or near Featur	e:		
N/A Attached Algae, Clam or					Larvae in or near	Feature
(Circle any present) N	'Α .					
Water Body Determinat	ente entre como antigo en entre entre en entre	Water Body?		□ No	nakywa i akake kangenari panarina ketaka kameren i inaka ku b	idence required
Evidence of Water Body	☐ Permanent		termittent	☐ Ephemeral	anijas ir alika karasan ir	
Proximity to	permanent Wi	band bad	Hedia .	Sygeds s	one olgae	
of permanence	•		<u> </u>	~		



					Office Ose Offiy
Project (No. & Name		No kent		Field Staff: BEB	
Survey Date: 14/	PR15		Conditions	49-14X *	
Time Started: 1349	?	Temp (°C), Wind, Cloud Cover (%), Precipitation: ዜሚ	2/SE, 30% Q
Time Finished: 140	D	Precipitat	ion in Prior 48hrs (mm):	2.8 mm	
Site Code: LS	CT-033		GPS Location		Estimated Length Assessed
Feature Name: G	Jusaon Dr	***************************************		<u></u>	
Drainage System:	1.6 810	4X7944294442P2444VP44HR7364XV44AR784XXV444XX	Northing: 1,7,	77/2	Downstream: 50
• • • • • • • • • • • • • • • • • • •				3768 NWB-205	
Channel Characteria	at so		Water Body No.	NWB ZVS	de pond Online/Offline Poorly Defined
Channel Characteris	sucs and wic	orphology N/A	Lake LPO	no 🔲 Wan-mac	ie pond Online/Offline
Straight	*******************************	□ ivieandering	(H/M/L Sinuosity): aseflow	L Defined	Poorly Defined
□ Standing water		☐ Low Flow / B	asetiow		low High / Flood Flow
✓ Freshet Flow	Change /12	ed Ur			***************************************
Avg. Wetted Width (m	1): 225	Avg. V	/ater Depth (m): のえ ankfull Depth (m): のら	Max P	ool Depth (m): 0-3
Avg. Bankfull Width (r	n): 3,6	Avg. B	ankfull Depth (m): ひ,ゟ	··········· <u>-</u>	·
Substrate Compositio	n (%)	Boulder: —	Cobble:	Gravel: —	Fines: 100
Bed Morphology (%)	*****************************	Flat: 100	Cobble: Riffle:	Run: ~	Pool: ~
Bank Slope & Stability	1: Hugh sl	lope modernik st	childy	Feature Gradie	ent (H/M/D): Low
Other Comments:		***************************************	1		
Chamilized du	e-4/bly	lace to she	4	***************************************	
¥					
Instream Aquatic Ha	bitat				
Features (e.g. woody	debris, unde	ercut banks): de	& Phrs.	***************************************	
IVegetation (with % do	minant):	11 /1000	7)		***************************************
Surface Water Quali	ty		₩ ₽₹-482¥*•482\$•482\$+482>+482>+482>+482>+482>+482\$+482\$		
Temp (°C): 9	Turbidity	/ (ᡌM/H): ∖o~	Colour: Box	Comments:	(*************************************
Riparian Habitat					
Canany Cover (9) and	uzez (hl)	Q1, 10m	, (fida)	(X************************************	***************************************
Canopy Cover (% and	AG	QX		***************************************	***************************************
	A.312v				
Adjacent Land Use:					
General Comments	(Fish obser		itions, culvert/bridge des	scription, groundwate	er indicators and description)
General Comments	(Fish obser				
General Comments No fish obs Chang whom 6	(Fish obser	opd of stream			
General Comments No fish obs Chang whom 6	(Fish obser	opd of stream			
General Comments No fish obs Chang whom 6	(Fish obser	opd of stream			
General Comments No fish obs Phony orbing (1,25 m csp 6	(Fish obser	oed of Stream hin Cobbic ba	se read for crosion	control from rc	ood anoff
General Comments No fish obs Phase along to the comments I safe or comments Photographs No	(Fish obser	oed of Stream hin Cobbic ba	se read for crosion	central from ro	oad an of Description
General Comments No fish obs Phony saleng soleng	(Fish obser	oed of Stream hin Cobbic ba	se read for crosion	control from rc	oad an of Description
General Comments No fish obs Photographs No Upstream: ○ Downstream: 分	(Fish obser	oed of Stream hin Cobbic ba	se read for crosion	central from ro	oad an of Description
General Comments No fish obs Photographs No Upstream: ○ Downstream: 分 Feature Bed: 23	(Fish obser	oed of Stream hin Cobbic ba	se read for crosion	central from ro	oad an of Description
General Comments No fish のちっ Photographs No Upstream: りぬ Downstream: おっ Feature Bed: カス Culvert / Bridge: プル	(Fish obser	oed of Stream hin Cobbic ba	se read for crosion	central from ro	oad an of Description
General Comments No fish obs Photographs Upstream: Downstream: Feature Bed: Vegetation:	(Fish obser	oed of Stream hin Cobbic ba	se read for crosion	central from ro	Description
General Comments No fish obs Photographs No Upstream: O& Downstream: 8 Feature Bed: 22 Culvert / Bridge: 32 Landscape Photo: 8	(Fish obser	oed of Stream hin Cobbic ba	se read for crosion	central from ro	Description
General Comments No fish obs Photographs No Upstream: OS Downstream: SS Feature Bed: SS Culvert / Bridge: SS Landscape Photo: 8 Additional Character	(Fish obser	oed of Stieson fun collie ba	other:	central from ro	Description
General Comments No fish obs Photographs No Upstream: Osc Downstream: Sc Culvert / Bridge: Sc Landscape Photo: 8 Additional Character Describe Bed Materia	(Fish obser	n Description Description	Other:	control from so	Description
General Comments No fish obs Photographs No Upstream: Osc Downstream: Sc Culvert / Bridge: Sc Landscape Photo: 8 Additional Character Describe Bed Materia	(Fish obser	n Description Description	Other:	control from so	Description
General Comments No fish obs Phonographs No Upstream: O& Downstream: \$\frac{3}{2}\$ Culvert / Bridge: \$\frac{3}{2}\$ Vegetation: \$\frac{3}{2}\$ Landscape Photo: \$\frac{3}{2}\$ Additional Character Describe Bed Materia Send as Son Describe Sediment	(Fish obser	n Description Description	other:	control from so	Description
General Comments No fish obs Phonographs No Upstream: O& Downstream: \$\frac{3}{2} \text{Culvert / Bridge: \$\frac{3}{2} \text{Vegetation: }\frac{3}{2} \text{Landscape Photo: }\frac{3}{2} \text{Landscape Bed Material }\frac{3}{2} \text{Loscribe Bed Material }\frac{3}{2} Loscribe Sediment Describe Sediment Descr	(Fish obser	n Description Description	Other:	control from so	Description
General Comments No fish obs Phonographs No Upstream: O& Downstream: \$\frac{3}{2}\$ Culvert / Bridge: \$\frac{3}{2}\$ Vegetation: \$\frac{3}{2}\$ Landscape Photo: \$\frac{3}{2}\$ Additional Character Describe Bed Materia Send as Son Describe Sediment	(Fish obser	n Description Description	Other:	control from so	Description
General Comments No fish obs Photographs No Upstream: Osc Downstream: Scature Bed: 22 Culvert / Bridge: Scature Bed Materia Landscape Photo: 8 Additional Character Describe Bed Materia Sende as Son Describe Sediment De None Presence of Hydric Scatter	(Fish obser	of Street, and Collins in and are calling and on Floor	Other: Ound Feature:	No. Direction	Description
General Comments I fish obs Photographs No Upstream: O& Downstream: Peature Bed: D& Culvert / Bridge: D& Culvert / Bridge: D& Landscape Photo: B Additional Character Describe Bed Materia Some as Som Describe Sediment De None Presence of Hydric Som Describe Debris and /	(Fish obser	of Sties by Collin by Description onditions in and are acture and on Floor	Other: Ound Feature: dplain - Recent / Historic	No. Direction	Description
General Comments I fish obs Photographs No Upstream: O& Downstream: Peature Bed: D& Culvert / Bridge: D& Culvert / Bridge: D& Landscape Photo: B Additional Character Describe Bed Materia Some as Som Describe Sediment De None Presence of Hydric Som Describe Debris and /	(Fish obser	of Sties by Collin by Description onditions in and are acture and on Floor	Other: Ound Feature: dplain - Recent / Historic amount, location):	No. Direction	Description
General Comments I fish obs Photographs No Upstream: O& Downstream: Peature Bed: D& Culvert / Bridge: D& Culvert / Bridge: D& Landscape Photo: B Additional Character Describe Bed Materia Some as Som Describe Sediment De None Presence of Hydric Som Describe Debris and /	(Fish obser	of Sties by Collin by Description onditions in and are acture and on Floor	Other: Ound Feature:	No. Direction	Description
General Comments No fish obs Phonographs No Upstream: Obb Downstream: Scale Scale Photo: Scale	(Fish obser	of Street Colling by C	Other: Ound Feature: dplain - Recent / Historic amount, location):	No. Direction	Description
General Comments No fish obs Phonographs No Upstream: O& Downstream: SA Culvert / Bridge: SA	(Fish obser (Fish obser O. Direction O. D	of Street Colling by C	Other: Ound Feature: dplain - Recent / Historic amount, location):	No. Direction	Description
General Comments I fish obs Photographs No Upstream: O& Downstream: Feature Bed: D& Culvert / Bridge: Vegetation: D& Landscape Photo: B Additional Character Describe Bed Materia Send as Send Describe Sediment De None Presence of Hydric So Describe Debris and / Seepage Areas / Spri Attached Algae, Clam (Circle any present)	(Fish obser (Fish	on Description De	Other: Ound Feature: dplain - Recent / Historic amount, location): Phase in or near Feature:	No. Direction To Aquatic Insect Lar	Description vae in or near Feature
General Comments Photographs No Upstream: OR Downstream: Sa Culvert / Bridge: Sc Culvert / B	(Fish obser (Fish obser O. Direction O. D	of Sties be could be conditions in and are called and on Floor called the cal	Other: Other: Dund Feature: dplain - Recent / Historic amount, location): Phase in or near Feature: imneys or Exoskeltons, of Body?	No. Direction No. Direction The property of	Description
General Comments I fish obs Photographs No Upstream: Obb Downstream: So Culvert / Bridge: Vegetation: So Landscape Photo: So Landscape Photo: So Additional Character Describe Bed Materia Some as Som Describe Sediment Describe Sediment Describe Sediment Describe Sediment Describe Debris and / Some Presence of Hydric So Describe Debris and / Seepage Areas / Spring Attached Algae, Clam (Circle any present) Water Body Determine Flow Regime:	(Fish obser (Fish obser O. Direction O. D	of Sties be could be conditions in and are called and on Floor called the cal	Other: Ound Feature: dplain - Recent / Historic amount, location): Phase in or near Feature:	No. Direction To Aquatic Insect Lar	Description vae in or near Feature
General Comments Photographs Note Describe Bed Material Seepage Areas / Sprice Attached Algae, Clamer (Circle any present) Comment of the comment of t	(Fish obser (Fish	on Description De	Other: Other: Dund Feature: dplain - Recent / Historic amount, location): Phase in or near Feature: imneys or Exoskeltons, or Body? Yes Intermittent	No. Direction No. Direction Properties of the second of	Description Description Vae in or near Feature □ Additional evidence required
General Comments Photographs Note Describe Bed Material Seepage Areas / Sprice Attached Algae, Clamer (Circle any present) Comment of the comment of t	(Fish obser (Fish	on Description De	Other: Other: Dund Feature: dplain - Recent / Historic amount, location): Phase in or near Feature: imneys or Exoskeltons, or Body? Yes Intermittent	No. Direction No. Direction Properties of the second of	Description vae in or near Feature

5	NATURAL Aquatic, Terrestria				TIONS	INC.
					4	
roject	(No. & Nai	me):	1616	N	Kent	

Project (No. & Name): 1612 N Kent	F	ield Staff: BEB	
Survey Date: 24 APR 15 Weather Conditi	ions		
Time Started: [[l0] Temp (°C), Wind,	, Cloud Cover (%), Pr	recipitation: 5,8°, 3	WNW ST. W
Time Finished: 113/9 Precipitation in P	rior 48hrs (mm): 🖂 💍	Mata	,
	GPS Location		ited Length Assessed
Feature Name: Glas glow Dr	Easting: 03.95216		tream: 🎉
IDrainage System: Late, styl.	Northing: 4712532		nstream:442
Location in System: Suth of ctrsr		IWB- see 206	
	Lake 🔲 Pond	☐ Man-made pond	d Online/Offline
☐ Straight ☐ Meandering (H/M/D)	*********************************	** <u>*****</u> *****************************	
☑ Standing Water □ Low Flow / Baseflow	<i>I</i>	☐ Defined☐ Moderate Flow	☐ High / Flood Flow
☐ Freshet Flow Channol 1266	***************************************		
Avg. Wetted Width (m): 3,0 Avg. Water De	epth (m): O,1	Max Pool De	oth (m): O.1
Avg. Bankfull Width (m): 40 Avg. Bankfull I	Depth (m): O,4		
Substrate Composition (%) Boulder:	Cobble: _	Gravel: -	Fines: ८००
Bed Morphology (%) Flat:	Riffle: -	Run: -	Pool: 60
Bank Slope & Stability: walk to State Worden to	Chal Ital	Feature Gradient (H/I	VI/D:
Bank Slope & Stability: Product Stope Words Other Comments: Chard 2d dr		······································	······································
no visus flow	4,XX94873144494944449444X8444X84444X84447444444444	***************************************	
	***************************************	<4x20x44x20x41x20x1x20x4x20x44x20x4x20x44x20x44x20x44x20x2x20x2x20x2x20x2x20x2x2x2x2	***************************************
Instream Aquatic Habitat	Control of the state of the sta		
Features (e.g. woody debris, undercut banks): Deny	Co1/41 50	***************************************	***************************************
Vegetation (with % dominant): Dense Costle ./	CA (11897)		
Surface Water Quality		**************************************	***************************************
Temp (°C): 6 Turbidity (D/M/H): Colou	r: Bwm	Comments:	***************************************
Riparian Habitat	7///		
Vegetation: Transpris	***************************************		
Canopy Cover (% and species):	***************************************		Y*************************************
Adjacent Land Use:	***************************************	***************************************	***************************************
No Fish obs Davise Codhilsp Throughout			
Photographs No. Direction Description	N	lo. Direction Des	cription
Upstream: lot NE	Other:		
Downstream: 68 SV	••••••••••••••••••••••••••••••••••••••	***************************************	**************************************
Feature Bed: [0]	**!XX**42***4XY**443**4XX**243Y**44Y***44Y**444	***************************************	
Culvert / Bridge:	***************************************	**************************************	``.
Vegetation: Lto	***************************************		***************************************
Landscape Photo: ⋈ వ⊷	######################################	***************************************	
Additional Characteristics			
Describe Bed Material and Soil Conditions in and around Fe	eature:	**************************************	
Feature Choked in reg bed not visible	***************************************	***************************************	
Describe Sediment Deposits in Feature and on Floodplain -	Recent / Historic:		***************************************
general sed deposited on but of feature	>		

Présence of Hydric Soils: Cattails suggest feature bed's wet most Describe Debris and / or Leaf Litter in Feature (type, amount	of the year M	ay not Flow.	
Describe Debris and / or Leaf Litter in Feature (type,amount	, location). [*]		
િ દુવકર Cotta I sp Th wyghov [†] Seepage Areas / Springs / Evidence of High Water Table in		***********************************	
Seepage Areas / Springs / Evidence of High Water Table in	or near Feature:	KEWANAKSININGKISANIKSIANIKSIANIKSIANIKSIANIKSIANIKSIANINGKISIANI	A. DATE OF THE POST OF THE POS
-R 1			
None	***************************************	\ ************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Attached Algae, Clam or Mussel Shells, Crayfish Chimneys	or Exoskeltons, or Ad	quatic Insect Larvae in	or near Feature
Attached Algae, Clam or Mussel Shells, Crayfish Chimneys (Circle any present)			or near Feature
Attached Algae, Clam or Mussel Shells, Crayfish Chimneys (Circle any present) Water Body Water Body?	⊴Yes দ	Í No □ Add	or near Feature itional evidence required
Attached Algae, Clam or Mussel Shells, Crayfish Chimneys (Circle any present) Water Body? Water Body Determination Water Body? Flow Regime: □ Permanent ☑ Inte	⊴Yes দ		
Attached Algae, Clam or Mussel Shells, Crayfish Chimneys (Circle any present) Water Body Determination Flow Regime: Permanent Water Body? Evidence of Water Body Status:	⊴Yes দ	TNo □ Addi TEphemeral	
Attached Algae, Clam or Mussel Shells, Crayfish Chimneys (Circle any present) Water Body Determination Flow Regime: Permanent Water Body? Interpolation	⊴Yes দ	Í No □ Addi Í Ephemeral	

	NATURAL	RESOURCE	SOLUTIONS	INC.
75	Aquatic, Terrestri	al and Wetland Bio	logists	

								Ollice O	o
Project (No. & N	ame):	1612	N.Kon	7		Field	Staff: R	EB	
Survey Date:	24/	APRIS	Weath	er Conditi	ons				
	18u	0	Temp	(°C), Wind,	Cloud Cove	r (%), Precip	oitation: 5, 6	Do. 3WNL	Ly D
Time Finished:	120		Precip	itation in P	rior 48hrs (m	im): No da	lo.		Magazini
Site Code:	LSCTI	/		(GPS Location	on		Estimated Le	ngth Assessed
Feature Name:	G14851	L. dr			Easting: (Upstream:	
Drainage System	: <i>SI</i>	CL.	>******	1	Northing:	FZIAR 18		Downstream	
Location in Syste	m	· .F	C+- SR		Water Body				
Channel Charac	taristics	and Morni		A .	lake [Pond	Mon mac	de pond	Online/Offline
Straight	len en e	and morp.	Meanderi	na (H/M/I			Defined	ie polia	Poorly Defined
□ Standing W	later	-	Meanderi Low Flow	/ Raseflow	Jiriuosity).		Moderate F		High / Flood Flow
☐ Standing W ☑ Freshet Flo	aici 147	Chan	_ LOVI IOV	/ Dascilov		• • • • • • • • • • • • • • • • • • • •		10 vv	High / Hood How
Avg. Wetted Widt	VV	C. 1844.51	1.011500	***********	*************	0-3	May P	ool Depth (m)	1· 10 2
Ava Rankfull Wic				Rankfull [epth (m): Depth (m):		IVIGA	OOI DODGIT (III)	l:
Avg. Bankfull Wic Substrate Compo	seition (%	·)	/ / / / / / / / / / / / / / / / / / /	. Dankiun s	Copplia (111).	G.	avel. —	Fines	: lođ
Bed Morphology	/%/	'2	Boulder: − Flat: <i>ξ⊘</i>		Cobble: — Riffle:	Rı	ravel: — ın: 50	Pool:	10. 化水油 医人名西西格兰 化化化二甲基二甲甲基二甲甲基二甲甲基二甲甲基二甲甲基二甲甲基二甲甲基二甲甲基二甲
Bank Slope & Sta					*************		ature Gradie	************************	***************************************
Other Comments	·	1000m	3600 Dr	yed & Penn	O PONE FILLE		ature Oraci.	511t (1 1/141/12).	***************************************
		WELL 619		******************			***********************	************************	**************************************
44****44#****************************				***********************	***************************************	***************************************		*****************************	\$/****K********************************
Instream Aquation	c Hahita	f		Marie 1997 1997 1997 1997 1997 1997 1997 199		7 0 70 5 70 70 7		43	
Features (e.g. wo			ıt hanks):	n.a.	Reave	Clenne		***************************	***************************************
Vegetation (with	% domin	ant): 1	Marino,	./wnr	1.7200.xx/		£	**************************************	
Surface Water Q	nuality	3110).	. 7.3.334	***************************************	^14274444	****************	****************************	***********************	***************************************
Temp (°C):	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Turbidity (L/	/ ////// /	Colou	r: Aww.	C	omments:		######################################
Riparian Habitat		ruibidity (=	(VI/11).	Coloa	19 10000		minority.		
*************************			***************************			**********************		***************************************	***************************************
Vegetation:	T.Gm			1889	>*************	018704577048770487704777477			***************************************
Canopy Cover (%		cies).	Z		**************************				(*************************************
"Adjacant Land He		y v	- Control of the Cont						
Adjacent Land Us		- boomioo	1	ditiono o	م مرام ما المسالم من ا	- description	~	- i-diaatora a	
General Comme	nts (Fis	sh observed	d, unusual co	onditions, c	:ulvert/bridge	description	groundwate	er indicators a	nd description)
General Comme	nts (Fis	*******************************	***************************************		X30441127441127441277441274412734777	description	groundwate	er indicators a	nd description)
General Comme No Fish Times of	e nts (Fis ፊል ጌራ	sh observed			culvert/bridge	description	groundwate	er indicators a	nd description)
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General Comme Mo Fish Timers of fermally Photographs	ents (Fis I.G. Cleaned No. I	ছক্ত Direction		Jhe	bed		groundwate	er indicators a	
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Photographs Upstream: Downstream: Feature Bed: Culvert / Bridge: Vegetation: Landscape Photo Additional Chara Describe Bed Ma Similar Ho Describe Sedime NIA CLEA Presence of Hydr Presence of Hydr NO Describe Debris a Seepage Areas / Noc Attached Algae, O (Circle any presence) Water Body Dete	No. I No. I No. I III III D: III acteristic acteristic nt Depos Fly cle ric Soils: Clam or I Only IV ermination	Direction NE SE CS d Soil Cond Sits in Feature Canad Leaf Litter in Class / Evidence Mussel She 7 A on	Descripti Descripti In Feature (ty of High Wate	ion I around Fe loodplain - pe,amount er Table in Chimneys	Other: eature: Recent / His t, location): or near Fea	No. storic:	Direction ic Insect Lar	Descriptio	n
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				Office Ose Offig
Project (No. & Name): । 6 /ঝ			Field Staff: டூ	<u> </u>
Survey Date: 14 APR15	Weath	er Conditions		
Time Started: 12/5	Temp	(°C), Wind, Cloud Cover (°	%), Precipitation: \ધ္•	C. 2/SE, 40%, Q
Time Finished: 1230	Precip	itation in Prior 48hrs (mm)	: a.a mm	
Site Code: LSCT-027		GPS Location		Estimated Length Assessed
			74 8Q	Upstream: 💫
Drainage System:	Clares	Northing: 약기	11698	Downstream: ರ
Drainage System: Location in System: Channel Characteristics and	1	Water Body No	NWP 250	
			ond	de pond Online/Offline
☑ Straight	☐ Meanderi ☐ Low Flow	ng (H/M/L Sinuosity):	Defined	de pond Online/Offline Poorly Defined
☐ Standing Water	☐ Low Flow	/ Baseflow	☐ Moderate F	low
☑ Freshet Flow Charles	lized			
Avg. Wetted Width (m): 2.0	Avo	ı Water Denth (m): Δ.2	Max F	Pool Depth (m): 0.3
Avg. Wetted Width (m): ユル Avg. Bankfull Width (m): スパ	Ava	Bankfull Denth (m): 235		
Substrate Composition (%)	Boulder: ~	Cobble:	Gravel: ~	Fines: to
Bed Morphology (%)	Flat: 100	Riffle: -	Gravel: — Run:	Pool:
Bank Slope & Stability: high	- C/ Ia	2-1-1-1		
Change of days	n r	. marel Charles	***************************************	
V1111441228		A ALMANDER P. L. A.	(XX+++X7+++1X+++X7+++1X+++X2+++X2+++XX+++4X2+++X2+++X2+++X	
Instream Aquatic Habitat	10,			
Features (e.g. woody debris u	indercut hanks):	En	* * *	***************************************
Features (e.g. woody debris, u Vegetation (with % dominant):	$0 \ T_{ra}$	200 Se Patches of	rady dist	***************************************
Surface Water Quality	<i>U.</i> 1865 C	100 /3 J	***************************************	***************************************
	idity (D/N//LI): 1 o	Colour: Bw.	Commonto	
	iuity (12/10/17).	Colour. Bu.	Comments: ~	
Riparian Habitat			·	
Vegetation: T-G>5-5 Canopy Cover (% and species	/ Thru		***************************************	***************************************
Canopy Cover (% and species): 80% U. Ire es)	***************************************	***************************************
Adjacent Land Use: AG				
General Comments (Fish ob	served, unusual co	onditions, culvert/bridge de	escription, groundwate	er indicators and description)
No fish obs	II		escription, groundwate	er indicators and description)
No fish obs Chambled dyon 5	P. Trees water	ra Brothers Chroni-1	escription, groundwate	er indicators and description)
No fish obs Champlized down 5	II	ra Brothers Chroni-1	escription, groundwate	er indicators and description)
No fish obs Chambled draw 5 no evidan of	P. Trees with conflictions for	n, \$966619 €\$.704.1.1	escription, groundwate	er indicators and description)
No fish obs Chambled draw 5	P. Trees with conflictions for	n, \$966619 €\$.704.1.1	escription, groundwate	er indicators and description) Description
No fish obs Chambled dyn 5 no evident of Photographs No. Direct	P. Trees with conflictions for	n, \$966619 €\$.704.1.1		
No fish obs Clambled dyn 5 no evide of Photographs No. Direct Upstream: 796 Downstream:	P. Trees water confin your flocation Description	्र क्ष्यां टर्भक्ताः ।		
No fish obs Clambial den 5 no evide of Photographs No. Direct Upstream: 7.96 Downstream: Feature Bed: 7.97	P. Trees water confin your flocation Description	्र क्ष्यां टर्भक्ताः ।		
Photographs No. Direct Upstream: 796 Downstream: Feature Bed: 797 Culvert / Bridge:	P. Trees water confin your flocation Description	्र क्ष्यां टर्भक्ताः ।		
Photographs No. Direct Upstream: 796 Downstream: Feature Bed: 797 Culvert / Bridge: Vegetation: 798	P. Trees with a confine your Floration Description	्र क्ष्यां टर्भक्ताः ।		
Photographs No. Direct Upstream: 7 96 Downstream: Feature Bed: 797 Culvert / Bridge: 798 Landscape Photo: 799	P. Trees water confin your flocation Description	्र क्ष्यां टर्भक्ताः ।		
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Photographs No. Direct Upstream: 7 96 Downstream: Feature Bed: 797 Culvert / Bridge: 798 Landscape Photo: 799	P. Trees with a continuous function Description NE -	ion Other:		
Photographs No. Direct Upstream: 796 Downstream: Feature Bed: 797 Culvert / Bridge: Vegetation: 798 Landscape Photo: 799 Additional Characteristics Describe Bed Material and Soi	P. Trees with confinence of the confinence of th	ion Other:	No. Direction	
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Photographs No. Direct Upstream: 796 Downstream: Feature Bed: 797 Culvert / Bridge: Vegetation: 798 Landscape Photo: 799 Additional Characteristics Describe Bed Material and Soil Censister & Surrand Describe Sediment Deposits in None	P. Trees with a continuous function Description Personal Properties of the continuous functions in and continuous functions in and continuous functions in and continuous functions for the continuous functions functions for the continuous functions functions for the continuous functions functions functions for the continuous functions functions for the continuous functions fun	around Feature:	No. Direction	Description
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Photographs No. Direct Upstream: 796 Downstream: Feature Bed: 797 Culvert / Bridge: Vegetation: 798 Landscape Photo: 799 Additional Characteristics Describe Bed Material and Soi Consisted To Second Describe Sediment Deposits in None Presence of Hydric Soils: TO Describe Debris and / or Leaf I Leaf Lift / An Leaf I Seepage Areas / Springs / Evic None Attached Algae, Clam or Muss (Circle any present) N/A	Cition Descripting WE Il Conditions in and the Soule and on Feature and on Feature (ty dence of High Water the Shells, Crayfish	around Feature: challe in or near Feature Chimneys or Exoskeltons,	No. Direction	Description
Photographs No. Direct Upstream: 796 Downstream: 796 Downstream: Feature Bed: 797 Culvert / Bridge: Vegetation: 798 Landscape Photo: 799 Additional Characteristics Describe Bed Material and Soin Consister C	Cition Descripting WE Il Conditions in and the Soule and on Feature and on Feature (ty dence of High Water the Shells, Crayfish	around Feature: around Feature: right pe,amount, location): combed er Table in or near Feature Chimneys or Exoskeltons,	No. Direction ic: or Aquatic Insect Lar	Description
Photographs No. Direct Upstream: 796 Downstream: 797 Culvert / Bridge: 797 Culvert / Bridge: 798 Landscape Photo: 799 Additional Characteristics Describe Bed Material and Soi Consisted Town Deposits in North Presence of Hydric Soils: Presence of Hydric Soils: Presence of Hydric Soils: Seepage Areas / Springs / Evic North Attached Algae, Clam or Muss (Circle any present) N/A Water Body Determination Flow Regime: □ Pe	Cition Descripting WE Il Conditions in and in Soul 4 months of Peature and on Full dence of High Watermanent	around Feature: challe in or near Feature Chimneys or Exoskeltons,	No. Direction	Description
Photographs No. Direct Upstream: 796 Downstream: 796 Downstream: Feature Bed: 797 Culvert / Bridge: Vegetation: 798 Landscape Photo: 799 Additional Characteristics Describe Bed Material and Soin Consister Town Service Sediment Deposits in Nove Presence of Hydric Soils: Presence of Hydric Soils: Presence of Hydric Soils: Nove Presence of Hydric Soils:	Description Description WE Il Conditions in and the property of the property	around Feature: around Feature: pe,amount, location): car bed er Table in or near Feature Chimneys or Exoskeltons, ter Body? Intermittent	No. Direction ic: or Aquatic Insect Lar	Description



Project (No. & Name): 16th N. Kent	F	ield Staff: ਫ਼ਿਫ਼	
Survey Date: 14 APR 15 Weather	r Conditions		
Time Started: 1130 Temp (°C	C), Wind, Cloud Cover (%), Pr	recipitation: البهدر	7/A1F.462 &
Time Finished: เเนื่อ Precipita	ition in Prior 48hrs (mm): 🔊 🔊	mm	
Site Code: LSCTONA	GPS Location	E	stimated Length Assessed
Feature Name: /100% Dr	Easting: <i>0393</i> 418	***************************************	Upstream: ု 🤣
Drainage System: Lake St Clare	Northing: 4711685	,	Downstream: 🧷
Location in System: cut Prince A-lant RD	Water Body No. No.		
Channel Characteristics and Morphology N N	∖		***************************************
☑ Straight ☐ Meandering	5.4485.4EE294.XXX44EE294.XXX44EE294.XXX44EE294.XXX44EE294.XXX44.XXX44.XXX44.XXX44	☐ Defined	☐ Poorly Defined
☐ Standing Water ☐ Low Flow / I ☑ Freshet Flow	Baseflow	☐ Moderate Flo	w 🔲 High / Flood Flow
***************************************	Motor Dooth (m)	May Do	ool Depth (m): ♣ ३ ङ
Avg. Wetted Width (m): াঐ Avg. V Avg. Bankfull Width (m): াঞ্	Rankfull Denth (m):	IVIAA I U	OI Depui (III). 🚧 🚜 🦠
Substrate Composition (%) Boulder:	Cobble:	Gravel:	Fines: ۱۵۰
Bed Morphology (%) Flat: เคื	Riffle: -	Run: -	Pool: ~
Bank Slope & Stability: High Stape / module 5	Stab. L'+ V		
Other Comments:	28.50		
Other Comments: Chanadize Drum & phrag / D. Trees i	in malh Chanel	***************************************	
*			
Instream Aquatic Habitat		EXPONENTIAL EXPONE	
Features (e.g. woody debris, undercut banks):	lense woody debus / dry	Phyng	
vegetation (with % dominant): 1.616.5565 / Phres	* v	•••••••••••	
Surface Water Quality Temp (°C): Turbidity (L/M/H):		***************************************	EDHOUGHANADHAZHAZHAZHAZHAZHAZHAZHAZHAZHAZHAZHAZHAZH
	Colour:	Comments:	
Riparian Habitat	***************************************	***************************************	PP-149-149-131-131-14-14-14-14-14-14-14-14-14-14-14-14-14
Vegetation: 7.6 hsse / Phres. Canopy Cover (% and species): 70% Ph	**************************************	>>< CIR)+64×>×< 64×>+64×+64×+64×+64×+64×+64×+64×+64×+64×+64×	***************************************
Adjacent Land Use: 16	1 // 3	>+4X************************************	
TEMPLE AND USE AND			
	ditions culvert/bridge descript	tion aroundwater	indicators and description)
General Comments (Fish observed, unusual cond	ditions, culvert/bridge descrip	tion, groundwater	indicators and description)
General Comments (Fish observed, unusual cond		**************************************	indicators and description)
General Comments (Fish observed, unusual cond	***************************************	tion, groundwater	indicators and description)
General Comments (Fish observed, unusual condition of the	within man Cha	are l	indicators and description)
General Comments (Fish observed, unusual condition of the	n N	ar l	indicators and description) Description
General Comments (Fish observed, unusual condition of the	n Other: —	ar l	
General Comments (Fish observed, unusual condition of the	n N	ar l	
General Comments (Fish observed, unusual condition of the	n Other: —	ar l	
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General Comments (Fish observed, unusual condition of the Change of the	n Other: —	ar l	
General Comments (Fish observed, unusual condition of the	n Other: —	ar l	
General Comments (Fish observed, unusual condition of the	n N Other: - ifferent Fratur	ar l	
General Comments (Fish observed, unusual conditions in and ar	n N Other: - ifferent Fratur	ar l	
Reneral Comments (Fish observed, unusual conditions in and an Hole visible Describe Sediment Deposits in Feature and on Floor	n N Other: - ifferent Fracture round Feature:	lo. Direction	Description
Photographs No. Direction Description Upstream: 192 NE Downstream: d/s is di Feature Bed: 753 Culvert / Bridge:	n N Other: - ifferent Fracture round Feature:	ar l	Description
General Comments (Fish observed, unusual conditions of the fish observed, unus	n N Other: - ifferent Fracture round Feature:	lo. Direction	Description
General Comments (Fish observed, unusual conditions) Chartel 2nd deposits of Seed on bed, in Presence of Hydric Soils:	n N Other: - ifferent Frature round Feature: bdplain - Recent / Historic:	lo. Direction	Description
General Comments (Fish observed, unusual conditions) Chancel (70) Photographs No. Direction Description Upstream: 192 NE Downstream: d/s is di Feature Bed: 783 Culvert / Bridge: Vegetation: 184 Landscape Photo: 185 NE Additional Characteristics Describe Bed Material and Soil Conditions in and an Hole (15) ble Describe Sediment Deposits in Feature and on Flood deposits of Sed on bed (15) Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type)	n Other: - Therent Frature round Feature: odplain - Recent / Historic: no vegetated e, amount, location):	lo. Direction	Description
General Comments (Fish observed, unusual conditions) Chancel (70) Photographs No. Direction Description Upstream: 192 NE Downstream: d/s is di Feature Bed: 783 Culvert / Bridge: Vegetation: 184 Landscape Photo: 185 NE Additional Characteristics Describe Bed Material and Soil Conditions in and an Hole (15) ble Describe Sediment Deposits in Feature and on Flood deposits of Sed on bed (15) Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type)	n Other: - Therent Frature round Feature: odplain - Recent / Historic: no vegetated e, amount, location):	lo. Direction	Description
Photographs No. Direction Description	n Other: - Therent Frature round Feature: odplain - Recent / Historic: no vegetated e, amount, location):	lo. Direction	Description
General Comments (Fish observed, unusual conditions) Chancel 2nd observed, unusual conditions Chancel 2nd observed, unusual conditions Photographs No. Direction Description Upstream: 192 NE Downstream: d/s is directions Feature Bed: 793 Culvert / Bridge: Vegetation: 784 Landscape Photo: 195 NE Additional Characteristics Describe Bed Material and Soil Conditions in and and the land of the	n Other: - Therent Frature: round Feature: odplain - Recent / Historic: no veydated e, amount, location):	lo. Direction	Description
General Comments (Fish observed, unusual conditions) Photographs No. Direction Description Upstream: 192 NE Downstream: d/s is directly Feature Bed: 783 Culvert / Bridge: Vegetation: 195 NE Additional Characteristics Describe Bed Material and Soil Conditions in and an Hole visible Describe Sediment Deposits in Feature and on Flood deposits of Peature (type Peace of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type Peace of High Water Attached Algae, Clam or Mussel Shells, Crayfish Characteristics	n Other: - Therent Frature: round Feature: odplain - Recent / Historic: no veydated e, amount, location):	lo. Direction	Description
General Comments (Fish observed, unusual conditions) Chantel 2nd April 1992 NE Downstream: 1992 NE Downstream: 1993 NE Culvert / Bridge: 1994 Vegetation: 1995 NE Additional Characteristics Describe Bed Material and Soil Conditions in and an Hole visible Describe Sediment Deposits in Feature and on Flood Old Old Old Old Old Old Old Old Old Ol	n NOther: - Therent Frature: Odplain - Recent / Historic: Open Acceptable of the content of t	Jo. Direction	Description ae in or near Feature
General Comments (Fish observed, unusual conditions of the conditi	n Other: - Freent Frature: Odplain - Recent / Historic: Odplain - Recent / Historic: Table in or near Feature: Inimneys or Exoskeltons, or Act	lo. Direction	Description
Chancel Comments (Fish observed, unusual conditions of the cond	n Other: - Freent Frature: Odplain - Recent / Historic: Odplain - Recent / Historic: Table in or near Feature: Inimneys or Exoskeltons, or Act	Jo. Direction	Description ae in or near Feature
General Comments (Fish observed, unusual conditions of the conditi	n Other: - Freent Frature: Odplain - Recent / Historic: Odplain - Recent / Historic: Table in or near Feature: Inimneys or Exoskeltons, or Act	Jo. Direction quatic Insect Larva No	Description ae in or near Feature

	NATURAL	RESOURCE	SOLUTIONS	INC.
6	Aquatic, Terrestri	al and Wetland Bio	logists	

Project (No. &	NI.	1 6 2 2	Ac lur "		Field Cteff.	like on the	
		1614	N-Kent		Field Staff:	NEN	
Survey Date:	28 APR	15	Weathe	er Conditions	**************************************		**************************************
Time Started:	la धर		Temp (°	C), Wind, Cloud Co	over (%), Precipitation:	12.2° 3 N 30	57. B
Time Finished:			Precipit	ation in Prior 48hrs	(mm): No Nota		**************************************
Site Code:	LSCT	174		GPS Loca	ation	Estimated Ler	ngth Assessed
Feature Name	: Boyny	ton Dr	************	Easting:	0321475	Upstream:	
Drainage Syste	em: 🛵	to 31 Ga		Northing:		Downstream	*******************
Location in Sys	stem: /	Ver +33	190 		dy No. NWE210		***************************************
Channel Char			hology *//			n-made pond (Online/Offline
		_	Meanderin	g (H/M/QSinuosity)	☐ I Define		Poorly Defined
☐ Standing	Water	·····	☐ Low Flow /	/ Raseflow		ate Flow □ H	High / Flood Flow
☐ Straight☐ Standing☐ Freshet F	Flow	Dry			***************************************		
Avg. Wetted W	/idth (m):	ひか	Ava.	Water Depth (m):	۸ ،	/lax Pool Depth (m):	<i>D</i> ,
Avg. Bankfull V	*****************	0.} 1.5	Ava	Bankfull Depth (m):	300		
Substrate Com		*********************	Boulder: –	Cobble:	Gravel:	- Fines:	180
Pad Marabalas	· / 0/ \		the same of the sa	Diffla	Gravel:	P001:-	\$. · · •
Bank Slone & S	Ŋ (/⊻/ Stahilitv:		TIGL.	1354 374 6 177	Feature C	Gradient (H/M /[2):	**************************************
Other Commen	nte:	Servi Ser			i oatare c	Jiadioni (i i/ivina).	***************************************
Other Commis.	ns. Mo wata	Öß	******************************		413>>423>		***************************************
4.1.1.1.2.2.1.1.2.2.1.1.2.2.1.1.2.2.1.1.2.2.1.2	"O West		.422448234422442244224442244		***************************************		***************************************
Instream Aqua	etic Habita						
Features (e.g.		*********************	ut hanke):	7.60-559 77,00	ogko v	4.4744.4.47744.4.47444.4.44.4.4.4.4.4.4	XX>+4XPP+4XXP+4XP+4XP++4XP+4AXH++4XP+4AXH++4XP+
Vegetation (wit			T.Gmss	(00%)	100 - 100 -		**************************************
Surface Water			Survey		***************************************		*************************************
Temp (°C):		Turbidity (L	_/M/H): ///A	Colour:	Comment		***************************************
		Turblaity (L	-/1VI/11). ***********************************	Coloui.	* COMMITTEEN	15. —	
Riparian Habit			**************************	***************************************	***************************************		37+44×1+44 (244+487+4847+484)+44×1444+44×1444+44×1481
Vegetation:	<i>l</i> .	Jr982 3		***************************************			***************************************
Canopy Cover	(% and sp	ecies):	Y			;;************************************	***************************************
Adjacent Land			4 ひ				
					lge description, ground	dwater indicators an	d description)
ĹΝ	Chann	/ Sent		T. G=555	thery (od		#F************************************
***************************************	****************	***********	*************************************	***************************************	***************************************	······································	***************************************
***************************************	*************	**********	******************************	***************************************	***************************************	***************************************	***************************************
							·
Photographs	No.	Direction	Description	4 * * * * * * * * * * * * * * * * * * *	No. Direct	ion Description	
Upstream:	8	J4 NI		Othe	er: — —		
Downstream:		Ur SU		**************************************	***************************************		
Feature Bed:	Ź	<u>-</u>	-				
Culvert / Bridge	******************)		***************************************			***************************************
***********	e: ==		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Vegetation:	e: =	- 727 -					
Vegetation: Landscape Pho	e: - Soto: S	727 - 328 S					
Vegetation: Landscape Pho Additional Cha	e: - oto: & aracteristi	327 - 328 S ics					
Vegetation: Landscape Pho Additional Cha Describe Bed N	e: - oto: & aracteristi Waterial an	ics Id Soil Cond	ditions in and a	around Feature:		ž	
Vegetation: Landscape Pho Additional Cha Describe Bed N	e: - oto: & aracteristi Waterial an	ics Id Soil Cond	ditions in and a			· · · · · · · · · · · · · · · · · · ·	
Vegetation: Landscape Pho Additional Cha Describe Bed N	e: - oto: & aracteristi Waterial an	ics Id Soil Cond	ditions in and a	around Feature: podplain - Recent / I	-listoric:		
Vegetation: Landscape Pho Additional Cha Describe Bed M しかひしいらう Describe Sedin	e: - oto: & aracteristi Material an ਮਹਿਦ ਅ nent Depo	ics nd Soil Cond July T. sits in Feat	ditions in and a		Historic:		
Vegetation: Landscape Pho Additional Cha Describe Bed M しっしょう。 Describe Sedin Presence of Hy	e: - oto: & aracteristi Material an ਮਹਿਦ ਅ nent Depo	ics nd Soil Cond July T. sits in Feat	ditions in and a		-listoric:		
Vegetation: Landscape Pho Additional Cha Describe Bed M いひしいらう Describe Sedin Presence of Hy	e:	ics id Soil Cond July T.	ditions in and a	oodplain - Recent / I		*	
Vegetation: Landscape Pho Additional Cha Describe Bed M Nのレッシの Describe Sedin Presence of Hy Describe Debri	e: oto: aracteristi Material an oole wo ment Depoi	ics Id Soil Cond In T. Isits in Feat	ditions in and a	oodplain - Recent / I	:		
Vegetation: Landscape Pho Additional Cha Describe Bed M Nのレッシの Describe Sedin Presence of Hy Describe Debri	e: oto: aracteristi Material an oole wo ment Depoi	ics Id Soil Cond In T. Isits in Feat	ditions in and a	oodplain - Recent / I	:		
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Vegetation: Landscape Pho Additional Cha Describe Bed M NOLVISO Describe Sedin Presence of Hy Describe Debri Seepage Areas	oto: aracteristi Material an bloc M nent Depo ydric Soils: is and / or is s / Springs	ics Id Soil Cond In Insits in Feat	ditions in and a Greense S ure and on Flo n Feature (typhology) houghout	podplain - Recent / h ne amount, location) よし せいい r Table in or near Fo	eature:		
Vegetation: Landscape Pho Additional Cha Describe Bed M NOL VISO Describe Sedin Presence of Hy NO Describe Debri Seepage Areas Attached Algae	oto: aracteristi Material an oole wo ment Depoi ydric Soils: is and / or first of too	ics Id Soil Cond In I	ditions in and a Greense S ure and on Flo n Feature (typhology) houghout	podplain - Recent / h ne amount, location) よし せいい r Table in or near Fo	:	ct Larvae in or near	Feature
Vegetation: Landscape Pho Additional Cha Describe Bed M NOL VISO Describe Sedin Presence of Hy Describe Debri Seepage Areas	oto: aracteristi Material an oole wo ment Depoi ydric Soils: is and / or first of too	ics Id Soil Cond In I	ditions in and a Greense S ure and on Flo n Feature (typhology) houghout	podplain - Recent / h ne amount, location) よし せいい r Table in or near Fo	eature:	ct Larvae in or near	Feature
Vegetation: Landscape Pho Additional Cha Describe Bed M NOL VISO Describe Sedin Presence of Hy NO Describe Debri Seepage Areas Attached Algae	oto: aracteristi Material an Pole M ment Depoi ydric Soils: is and / or l T	ics Id Soil Cond It I	ditions in and a control of High Wate	podplain - Recent / h ne amount, location) よし せいい r Table in or near Fo	eature: eltons, or Aquatic Insec	1,	Feature vidence required
Vegetation: Landscape Pho Additional Cha Describe Bed M NOLVISO Describe Sedin Presence of Hy NO Describe Debri Seepage Areas Attached Algae (Circle any pres	oto: aracteristi Material an Nole M ment Depo- ydric Soils: is and / or is and / or factorial se, Clam or sent) eterminati	ics Id Soil Cond It I	ditions in and a Green Sc. S ure and on Flo n Feature (typhorogen) houghout of High Wate	e, amount, location) Trable in or near Fo	eature: eltons, or Aquatic Insec	☐ Additional e	
Vegetation: Landscape Pho Additional Cha Describe Bed N NOL VISO Describe Sedin Presence of Hy NO Describe Debri Seepage Areas Attached Algae (Circle any pres	oto: aracteristi Material an hole w ment Depo- ydric Soils: is and / or is and / or fis and / or fis and / or fis and / or are fisser sert) eterminati	ics and Soil Conduction Sits in Feat Leaf Litter is Fevidence Mussel She ion Perman	ditions in and a Green Sc. S ure and on Flo n Feature (typhorogen) houghout of High Wate	podplain - Recent / Foreign (1985) The amount, location (1985) The Table in or near Foreign (1985) Chimneys or Exoskeer Body?	eature: eltons, or Aquatic Insec	☐ Additional e	
Vegetation: Landscape Pho Additional Cha Describe Bed N NOL VISO Describe Sedin Presence of Hy NO Describe Debri Seepage Areas Attached Algae (Circle any pres Water Body De Flow Regime:	oto: aracteristi Material an hole w ment Depo- ydric Soils: is and / or is and / or fis and / or fis and / or fis and / or are fisser sert) eterminati	ics Ind Soil Conduction Indicate the site of the site	n Feature (typhoglas) of High Wate	ne amount, location) The amount, location) The amount of the amount o	eature: eltons, or Aquatic Insec	☐ Additional e	



Project (No. & Name):	1612 Niked		Field Staff: B∠B	
Survey Date: 14 APR		er Conditions	<u> </u>	
Time Started: /\@		°C), Wind, Cloud Cover (%	ه). Precipitation: ۱۳۵. ۱	7/AIF 70% X
Time Finished: Of the	Precipi	ation in Prior 48hrs (mm):	2200	
Site Code: LSCT OI		GPS Location	Est	imated Length Assessed
Feature Name: 🤾 ເເ	Drie			Upstream: 10
Drainage System: Like	Stelmo	Northing: 470	V 117	Downstream: 5
Location in System: 🕠		Water Body No.		***************************************
Channel Characteristics				oond Online/Offline
	☐ Meanderir	ng (H/M/L Sinuosity):	☐ Defined	
☐ Standing Water	☐ Low Flow	/ Baseflow		/ ☐ High / Flood Flow
Freshet Flow		***************************************	***************************************	
Avg. Wetted Width (m):		Water Depth (m): ๛ู่	Max Poo	I Depth (m): ⊘-4
Avg. Bankfull Width (m):	4 Avg.	Bankfull Depth (m):0,5	***************************************	
Substrate Composition (%	%) Boulder: ~	Copple: ~	Gravei: 30	Fines: 70
Bed Morphology (%)	Flat: 😢 🧖	Riffle: ~	Run: -	Pool: ~
Bank Slope & Stability:	Moderate Slope moderate	Stablil 1	Feature Gradient	(H/M/b): Low
Other Comments:	•	***************************************	***************************************	
Chancelized Pr	AHII-14774447114 477 444744474447		***************************************	***************************************
Signs of water	poolin new	Road		
Instream Aquatic Habita			***************************************	
Features (e.g. woody deb	oris, undercut banks):	Pens cothils/ wordy	dibils aloz	hrund
Vegetation (with % domin	nant): Cathal Sp. 100	70	***************************************	
Surface Water Quality	Turbidity (L/10/H): MEDIO		······································	
	Turbidity (L/IVI/H): MEDIO	M Colour: Bam	Comments: -	
Riparian Habitat			************************************	
Vegetation: Cattain S	p/ Day und sp/	T. (71/955.5		
Canopy Cover (% and sp Adjacent Land Use:	decies): 10 /, 1), 94	1065	***************************************	
		nditions, culvert/bridge de	corintian aroundwater in	adjectors and description)
Na Fish	isii observeu, uriusuai co	nullons, culverrollage de	Scription, groundwater if	idicators and description)
108 1-13 1	***************************************		***************************************	
Channelized Dr	train bed Co.k	(50)	***************************************	
the again 90 ove	9/ d	M. 92/.)	***************************************	
Photographs No.	Direction Description	on	No. Direction	Description
Upstream: 93	40	Other:	######################################	gan.
Downstream: 94	- Alage 1-	drain - different feat	W6	
Feature Bed: 96		vice and the state of the state	***************************************	0.000.000.000.0000.0000.0000.0000.0000.0000
Culvert / Bridge: 96	Allero Control			
Vegetation: 97	#### #################################	***************************************	>*************************************	;
Landscape Photo: 🏸	Gaspe Gaspe			V .
Additional Characterist				
Describe Bed Material an			***************************************	
Same as Sumo	unding Agfield	→ <i>Form</i> podplain - Recent / Histori	***************************************	
			C:	
Older dyposits a	along edge of	drain bed	***************************************	
Presence of Hydric Soils:	······································	***************************************	************************************	······································
່ວ່ Describe Debris and / or	Loof Littor in Footure (tyr	ne amount location):	?vss44x****442***444**********************	
Bil	1 f 1.44 h. A	1	######################################	
Seenage Areas / Springs	/ Evidence of High Wate	েশু er Table in or near Feature		
November 1	, Evidence of Flight vvale	a rabic in or real realure		
Attached Algae Clam or	Mussel Shells Cravfish (Chimneys or Exoskeltons,	or Aquatic Insect Larvae	e in or near Feature
	-dk-is different f		2. 2 Gadio modol Larva	00. 1 04.410
Water Body Determinat		er Body? Yes	☑́No □ /	Additional evidence required
	☐ Permanent	☐ Intermittent	☑ Ephemeral	
Evidence of Water Body		Mas 511 201 5415	and the state of t	
Not ~ VB	entrespendent for a caracamenter of the real of the re	ce out Road State	due to Back	c floid my
from cultural	F	7.04°C		



Project (No. & Name):	1612 N Kest			Fi	eld Staff: PER	
Survey Date: 16 APR 15		Weather Condit				
Time Started: 1000		Temp (°C), Wind	, Cloud Cov	er (%), Pre	ecipitation: ۱۵۰۲ ا	1/SE, 40%, Q
Time Finished: 1015		Precipitation in F	Prior 48hrs (n	nm): O.O	mm	
Site Code: LScT 074	****************************	>>> \qu	GPS Locati			imated Length Assessed
	an Or	***************************************	Easting:	O3%364		Jpstream: 🔊
Drainage System: Luk			Northing:	468376	L	Downstream: 50
Location in System: 4/10	ing Coden hodge		Water Body			
Channel Characteristic	s and Morphol	pay MIA 🗆	Lake [] Pond	☐ Man-made p	
☑ Straight		Meandering (H/M/L	Sinuosity):		□ Defined □ Moderate Flow	Poorly Defined
☐ Standing Water ☐ Freshet Flow		leandering (H/M/L ow Flow / Baseflow	N	L	→ Moderate Flow	☐ High / Flood Flow
Avg. Wetted Width (m):	0.25	Avg. Water D	epth (m): 🛚 ៥) _v 10		Depth (m): 0-14
Avg. Bankfull Width (m):	0.75	Avg. Bankfull	Depth (m): o	.25	5.ppg-1.produces5500011-0000000000000000000000000000000	Services and the contract of the services of t
Substrate Composition (%) Bou	lder:	Cobble: -		Gravel: 30	
Bed Morphology (%)	Flat	. 100	Riffle: -		Rún:	Pool: -
Bank Slope & Stability:	high 5 lope	reduce Stab	ility		Feature Gradient	(H/M/Q): Low
Other Comments:	* ************************************	SPECIAL DESIGNATION OF THE PROPERTY OF THE PRO				
Channella-d de	or the second of the second se				ago opening (autorious) i chicologica espekhologica espekhologica	CONTRACTOR A CONTRACTOR ASSESSMENT OF CONTRACTOR ASSESSMENT OF
Instream Aquatic Habit	at					
Features (e.g. woody de	ar hris undercut he	inks).	T 6:		**************************************	mantenio ana somen e ammanimente constructivamente.
Features (e.g. woody de Vegetation (with % domi	nant): T.G	busses (100%)	1/5)	Traces	of duckweek	(10070 DJS)
Surface water Quality		· ·				
	Turbidity (L/M/l	H): Low Color	ur: e le		Comments: -	
Riparian Habitat		van er var en er				So according to the control of the c
Vegetation:	Guss15	nen meneral menteral meneral m			122 - 127 - 126 - 121 221 221 127 127 127 127 127 127 127	ant ang manana santan ang kabana ang manana kabana ang manana ang manana ang manana ang manana ang manana ang m
Canopy Cover (% and s	pecies): 🐧	and the second s	er egilyele samarkagsagsag var fræ	ing and a proportion of the contraction	an area and an area and area a	the sign of the second
Adjacent Land Use:	## ## ## ## ## ## ## ## ## ## ## ## ##		- المناط المناط عن والراب	o dose-!#	on graunduistar is	adjectors and description
****************************		nusual conditions,	cuivervoridg	e aescripti	on, groundwater in	ndicators and description)
No Fish obs						name of the second seco
Ephroni wa	W> 10	to mittel ws	W/S		an de terre de la company	· ·
6.35 m C	sp. in Soll					, , , , , , , , , , , , , , , , , , ,
Photographs No.	Direction [Description		No	o. Direction	Description
Upstream: 나6	SE SE	**************************************	Other			
Downstream: $\nu 7$		**************************************			e las randones e en articles en articles en en en altre en	and the second s
Feature Bed: 48	S	· · · · · · · · · · · · · · · · · · ·	proving proving a service constraint.			maganing dan samura samura samura samura da samura
Culvert / Bridge: น9	(Many	,		4		
Vegetation: 50	ACCOUNTS TO A STATE OF THE STAT	**************************************	**************************************			
Landscape Photo: 6	5E	-				
Additional Characteris	are or representative research and the contract of the contrac			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	MILYMANIA COMPONENTE AND HIS SERVICE MATERIAL STATES	The second section of the second seco
Describe Bed Material a			eature:	Salara da s		NAMES OF THE PROPERTY OF THE P
Some as Sun	randing A	g, Frelds	······································	 		annen aven manne en siene en man de man es :
Describe Sediment Depo	osits in Feature b	and on Floodplain	- Recent / Hi	storic:		
old deposits F Presence of Hydric Soils	rom Side	slupe erosion	+ Slump	ring a	1 todges o	at carain bed
A CONTRACTOR OF THE PROPERTY O		and the second second	en en en kannekkeiskalikersierri	· · · · · · · · · · · · · · · · · · ·		
No.	· 1 oof 1 iHo- !- F-	oturo (timo anno	it location)		(KRS-1744) - 1744-17 17 17 17 17 17 17 17 17 17 17 17 17 1	
Describe Debris and / or	Lear Litter in Fe	ature (type,amour	n, iocation):		and the same of the second sec	
Taras See daba Seepage Areas / Spring	rs clong e s/Evidense of H	ligh Water Table i	n or near Fe	ature:	el para esta en	
None. OF a	ol d		Taring Survey and			
Attached (Algae), Clam or	Mussel Shells,	Crayfish Chimneys	or Exoskelt	ons, or Aq	uatic Insect Larvae	e in or near Feature
(Circle any present)					N	A Jaim and a statement of the statement
Water Body Determina	tion	Water Body?			CONTRACTOR CONTRACTOR ENGINEERING CONTRACTOR	Additional evidence required
Flow Regime:		□In	termittent	<u>L</u> V	Ephemeral	
Evidence of Water Body	Status:	esta de 1/	15 (no	/ bush!	4-1-410-	ia ta Vea
D/S interestint	Vood LW	nen prosere	of dust	-erd /4	ereser or a govern	M. S.
7/2 1-01-to a. 11/4-4	n Gay	In harring	~* Jan. 15.	1	<i></i>	

NATURAL RESOURCE SOLUTIONS INC. Aquatic, Terrestrial and Wetland Biologists

Project (No. & Na	me):	sia n	V. Kook			F	ield S	taff:	ME B			
Survey Date:	16APR	15	We	ather Conditi								
Time Started:	1145		Ten	np (°C), Wind	, Cloud Co	over (%), Pr	ecipita	ation: ((· C, 4/	SE 40%	Ø.	
Time Finished:	1400	AFOREST	Pre	cipitation in P	rior 48hrs	(mm): 0.0) ww				. Second	
	SCT O 7	7 0			GPS Loca				Esti	mated l	ength A	ssessed
Feature Name:				***********************	Easting:	0399511	. 541.44894 \$ 418494	Z791829411841687641		pstream		
Drainage System:		5401-14		***************************************	Northing:	H408080		,		ownstre		*********************************
Location in Systen	n: odan-		View Lh	**** ** * * * * * * * * * * * * * * * *	exercises certalar crake s i colors	dy No. NW	AND RESEARCH SHIP SHIP SHIPS	(2)	***************************************	**************		
Channel Charact						☐ Pond			nade p	ond	Online	/Offline
								efined	***********		Poorly	
✓ Straight✓ Standing Wa	name	**************************************		ow / Baseflow	v	5 (************************************		loderate		**************		Flood Flow
☑ Freshet Flow				, , , ,	********************	**************	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Ava Wetted Widt	u (m).			Avg. Water De	enth (m):		******	Ma	x Pool	Depth (m): \	
Avg. Wetted Widtl Avg. Bankfull Wid	th (m):	3, 5	I	Avg Bankfull	Depth (m)	. <i>0.</i> 2	λs				inistria e conservico	en eg den under en
Substrate Compos	sition (%	۸) ۱	Boulder		Cobble:	**************************************	Grav	/el: 🤜		Fine	es: 100	pageographes to the control of the control
Bed Morphology (%)	×1	Flat:	### .		1000000 10000000				FIR-CFIRES)[: «»»	e in religio y engantente el transcriptore
				2150.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Fea		dient (H/M/ () :		
Bank Slope & State Other Comments:	- Ch.	7. 2 (chr.	in high	350/1.4V								.,. ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Change Dry							*,**,*******	**************************************				
		***************************************					***** *********			# . * . * # * * <i>2</i> * * * *		
Instream Aquatic	Hahita	t										
Features (e.g. woo	ndv deb	ris under	cut hanks):	Desc. and	1. andeho		*************	gor (::::::::::::::::::::::::::::::::::::				andera andre en antient de la mentre della mentre de la mentre della m
Vegetation (with %	domin	ant).	0000 011					**** *********************************	* .	Educate (II) be set (II) e.		
Surface Water Q		any.	- /2/ GIT		- and an internal designation of the second		eserciani de como					
		Turbidity ((C/NA/H)·	Colou	ır 🔊 🗀		Con	ments:		er magazonadori comiti		
Riparian Habitat		i dibidity ((471417117).	00.00		· · · · · · · · · · · · · · · · · · ·						
Balanca Allina era egun a comunida e con en												Taran da ang managan na sa
Vegetation:	a 6 10550	3 / Cec	du hedg	<u>.</u>			*********	****************	Y-24/75446944447			
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Avg. Wetted Wid Avg. Bankfull Wi	dth (m):	2.0	Δ	vg. Water D	Denth (m) &	v-7	ivian	1 00, DC	Pui (iii). «	
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Bed Morphology	(%)		Flat:		Diffi.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rún:	****************		100
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		16APR 11			

Renewable Energy Water Body Site Investigation Office Use Only Field Staff: ather Conditions Time Started: 1660 Temp (°C), Wind, Cloud Cover (%), Precipitation: \(°(、2/5€、20%、) Time Finished: 170万 Precipitation in Prior 48hrs (mm): 0.0 mm Site Code: LSCT 096 **GPS Location Estimated Length Assessed** Feature Name: Prins Dresin Easting: Upstream: 100 (2400617 Drainage System: Lete St Chair Northing: 4705900 Downstream: 10 Location in System: along caledon to Re Water Body No. NWBZ15 Channel Characteristics and Morphology ∼ / Þ ☐ Lake ☐ Pond Online/Offline Straight ☐ Meandering (H/M/L Sinuosity): ☐ Defined Poorly Defined ☐ Standing Water ☐ Low Flow / Baseflow ☐ Moderate Flow ☐ High / Flood Flow Freshet Flow Channelized dv Avg. Wetted Width (m): しんら Avg. Bankfull Width (m): えら lപ്പട Avg. Water Depth (m): 0/15 Max Pool Depth (m): 0.15 Avg. Bankfull Depth (m): ひょち Substrate Composition (%) Boulder: - Cobble: -Gravel: -Fines: 100 Bed Morphology (%) Flat: 10 o Riffle: Run: Pool: -Bank Slope & Stability: high Slope high "St-6: (it) Feature Gradient (H/M/Q): Other Comments: Channelized dr Instream Aquatic Habitat Features (e.g. woody debris, undercut banks): done phan build up Vegetation (with % dominant): Physical Clock) Surface Water Quality Temp (°C): Turbidity (DM/H): LOW Colour: Clear Comments: Fram on US side Riparian Habitat Vegetation: T.Guss / Phone Canopy Cover (% and species): 100% D/S Phyaa Adjacent Land Use: General Comments (Fish observed, unusual conditions, culvert/bridge description, groundwater indicators and description) No Fish poorly defined Chromolized dr widows phony bullup Photographs No. Direction Description No. Direction Upstream: SE 177 Other: Downstream: NE 179 Feature Bed: Culvert / Bridge: 190 Vegetation: Landscape Photo: \Q\ Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Same es surrounding area Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic: None. Presence of Hydric Soils: Describe Debris and / or Leaf Litter in Feature (type,amount, location): Very done phus deposits throughout Seepage Areas / Springs / Evidence of High Water Table in or near Feature: None Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or Aquatic Insect Larvae in or near Feature (Circle any present) N №. Water Body? ☐ Yes Water Body Determination ☑ No ☐ Additional evidence required Flow Regime:

Permanent ☐ Intermittent ☑ Ephemeral Evidence of Water Body Status: see prosent some point ofs of wenter, likely dry most of the year phan suggests

	NATURAL	RESOURCE	SOLUTIONS logists	INC.
755	Aquatic, Terrestri	al and Wetland Bio	logists	

Project (No. & Na			N. Kont		Field Staff:	BEB	
	16 APR	15	Weath	er Conditions			
	1635	***************************************	Temp ((°C), Wind, Cloud Cover	(%), Precipitation	: 12°C. 2/SE	207. (1)
Time Finished:	1645		Precipi	tation in Prior 48hrs (mm	1): 0.0 mm	. 16	A contract of contract of the
Site Code: L5	09	7		GPS Location	1	Estimate	ed Length Assessed
Feature Name:	Pring	Dic	*******************************	Easting: 0	400 256		eam: 50
Drainage System:	Lite	o St Clair		Northing:	1706305		stream: 50
Location in Syster	m: at	Caledonia	Rd	Water Body N	0. NWR 216		***************************************
Channel Charact	eristic	s and Morr	phology NIF	□ Lake □ □	Pond ☐ Ma	n-made pond	Online/Offline
☑ Straight	**************		☐ Meandering	ng (H/M/L Sinuosity):	☐ Define	Manage F	Poorly Defined
☐ Standing Wa ☑ Freshet Flow	ater <i>N</i>		Low Flow /	/ Baseflow ·	*	rate Flow	Online/Offline Poorly Defined High / Flood Flow
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Avg. Bankfull Wid	th (m):	1.5	Avg.	Water Depth (m): ৩.ሎ Bankfull Depth (m): ৩, ₽	FO	VIAX I CO. E.F.	11 (III). V-13
Substrate Compos	sition ((%)	Boulder: -	- Cobble: 🦳	Gravel:	~ F	ines: 100
Bed Morphology (%)		Flat: ພ _າ	Riffle:	Run:	**********************	Pool:
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Time Finished:			Prec	ipitation ir	n Prior 48hrs (i	mm): 0.0	men		.A. ***********************************		
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Location in Syst	tem: 🚧	Claynor	n Ln		Water Body	y No. Nows	3217			***************************************	
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Bed Morphology	/ (70) 4-hility	· 1 / L.s.	Flat: 170		Kimie:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Run: -		Pool:		
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Surface Water	Ouslity				. *				**************		8-1-12-3-4-1-1
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Project (No. & Name): 1612 N. Kont	Field Staff: १९६०
Survey Date: 16APR15 Weather Conditions	AND THE PROPERTY OF THE PROPER
Time Started: 1330 Temp (°C), Wind, Cloud Cover (°C)	%), Precipitation: 9°(4/6, 3°%, 🔌
Time Finished: 1345 Precipitation in Prior 48hrs (mm)	: 0.0 mm
Site Code: LSCT 035 GPS Location	Estimated Length Assessed
Feature Name: Laft of Or Easting: 039	ଔଃୟେ Upstream: ଈ
Drainage System: Lake St Clare Northing: 4-700	6896 Downstream:5₀
	. NuBrig
Channel Characteristics and Morphology N / A ☐ Lake ☐ P	
□ Straight □ Meandering (H/M/L Sinuosity):	☐ Defined ☐ Poorly Defined
☑ Straight ☐ Meandering (H/M/L Sinuosity): ☐ Standing Water ☐ Low Flow / Baseflow	
Freshet Flow	
Avg. Wetted Width (m): Avg. Water Depth (m):	Max Pool Depth (m):
Avg. Wetted Width (m): Avg. Bankfull Width (m): Avg. Bankfull Depth (m):	
Substrate Composition (%) Boulder: Cobble:	Gravel: - Fines: 100
Bed Morphology (%) Flat: vo Riffle:	Rûn: Pool:
Bank Slope & Stability: High slope Lon Stability	Feature Gradient (H/M/0): Lbw
Other Comments:	an annual an
Chairmilead Or	ennanessante indivaria escessantenas demas acente escessante escessante escessante in commensaria escente esce
Recently served out, Bare soil	
Instream Aquatic Habitat	AND THE RESERVE OF STREET WAS A STREET OF THE PROPERTY OF THE
Features (e.g. woody debris, undercut banks): Recodly Cleans out	me and an annual and and an annual and an annual and a
Vegetation (with % dominant): no in Stron ver	ง เกาะสายเกาะสาย (เมื่อวิทยาสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะส
Surface Water Quality	and a summer and the
Temp (°C): 1/ Turbidity (QM/H): Low Colour: clea	Comments: -
Riparian Habitat	anna ann an ann an ann an ann an an an a
Vegetation:	ANTIGORIUM IN THE REAL PROPERTY OF THE PROPERT
Canopy Cover (% and species): 🛇	
Adjacent Land Use: AG	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
General Comments (Fish observed, unusual conditions, culvert/bridge de	escription, groundwater indicators and description)
General Comments (Fish observed, unusual conditions, culvert/bridge do	escription, groundwater indicators and description)
General Comments (Fish observed, unusual conditions, culvert/bridge do No Fish 365 recotly Clemid Dusin, no Sign of Sub South	escription, groundwater indicators and description)
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 365 recotly Clemid Drain, no Sign of Sub Bortin Lodin (SP 500 Cobble Embankanit on the Road Cossum)	
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 recotly Clemid Duain, no Sign of Sub Soution Lightin (SP to cobble embratant at Road cossum high waterners visible but no bank dwelgament	
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 365 recotly clemid Duan, no Sign of Sub Soution ledin (SP to Cobble embantment at Road cossum) high watrook visible but no bank dwelgment Photographs No. Direction Description	
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 365 really clemid Drain, no Sign of Sub 30x4 in Lighting Csf of cobble embradance at Road cossins high waterrack visible but no bank dwelgement. Photographs No. Direction Description Upstream: III Sw Other:	
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 365 recotly Clemed Dean, no Sign of Sub Soution Latin (St a cabble embrackers of Road cossess high waterwark visible but no bank dwelgament Photographs No. Direction Description Upstream: III Sw Other: Downstream: III NV	
General Comments (Fish observed, unusual conditions, culvert/bridge do No Fish 265 recotly claim of Disch, no Sign of Sub Southin Latin Csf w cabble embrations of Road cossum high waterwark visible but no bank dwelgament Photographs No. Direction Description Upstream: III Sw Other: Downstream: III No Feature Bed: III -	
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 recotly claud Durin, no Sign of Sub 3041 in ladin (Sf to cobble embackment at Road cossum) high waterwark visible but no bank dwelgement Photographs No. Direction Description Upstream: III Sw Other: Downstream: III No Culvert / Bridge: III -	
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 recotly claud Durin, no Sign of Sub 304 in ladin (Sf to Cobble embrature) at Road cossume high waterweek visible but no bank dwelgament. Photographs No. Direction Description Upstream: III Sw Other: Downstream: III No Feature Bed: III Culvert / Bridge: II4 To	
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 rently Clemid Drain, no Sign of Sub 2014 in Liddin Csf - Cabble Embrahant at Road Cossers high waterrack visible but no bank dwelgement. Photographs No. Direction Description Upstream: III Sw Other: Downstream: III No Other: Culvert / Bridge: II4 Vegetation: II5 Landscape Photo: II6 No	
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 365 really (Iem J Drin, no Sign of Sub 304 in Indian Csf a cabble limburations at Read cossers high waterwark visible but no bank dwelgement. Photographs No. Direction Description Upstream: III Sw Other: Downstream: III No Other: Additional Characteristics	
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 readly claim of Disch 2001, no Sign of Sub 304 in Latin CSP of Cobble embrations of Road Cossus high waterwark visible but no bank dwelgement. Photographs No. Direction Description Upstream: III Sw Other: Downstream: II2 No Feature Bed: II3 Culvert / Bridge: II4 Vegetation: II5 Landscape Photo: II6 No Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature:	No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 readly claim of Disch 2001, no Sign of Sub 304 in Latin CSP of Cobble embrations of Road Cossus high waterwark visible but no bank dwelgement. Photographs No. Direction Description Upstream: III Sw Other: Downstream: II2 No Feature Bed: II3 Culvert / Bridge: II4 Vegetation: II5 Landscape Photo: II6 No Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature:	No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 recotly claud Durin, no Sign of Sub 304 in ladin (SP cobble embrature) at Road cossume high waterwark visible but no bank dwelgement. Photographs No. Direction Description Upstream: 113 SW Other: Downstream: 113 No Culvert / Bridge: 114 SW Other: Landscape Photo: 116 No Substrain Strain Stra	No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 restly claus d Drain, no Sign of Sub 304 in led in CSP in Cobble embastion of Road Cooses high waterwark visible but no bank dwelgement. Photographs No. Direction Description Upstream: III Sw Other: Downstream: II2 No Feature Bed: II3 Culvert / Bridge: II4 Vegetation: II5 Landscape Photo: II6 No Additional Characteristics Describe Bed Material and Soil Conditions in and around Feature: Syne as symmetry area Describe Sediment Deposits in Feature and on Floodplain - Recent / Histor NIA Recent Chan of	No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 readily Clemid Diskin, no Sign of Sub Soution Latin Csf is cabble limbarity of Read Cossimily waterwark visible but no bank dwelgament. Photographs No. Direction Description Upstream: III Sw Other: Downstream: III No Feature Bed: III Culvert / Bridge: III Culvert	No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish abs recette Clemed Design, no Sign of Sub Sout in Led for Cost of Cobble International Recent Cost of Read	No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish abs recette Clemed Design, no Sign of Sub Sout in Led for Cost of Cobble International Recent Cost of Read	No. Direction Description
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 Rentille Clemed Dean, no Signe of Sub Soution Linds and Color Color Leaf Litter in Feature (type, amount, location): No. Direction Description Upstream: 113 No Culvert / Bridge: 114 Vegetation: 115 — Culvert / Bridge: 114 Prescribe Bed Material and Soil Conditions in and around Feature: Some as sembled; area. Describe Sediment Deposits in Feature and on Floodplain - Recent / History Presence of Hydric Soils: No. Describe Debris and / or Leaf Litter in Feature (type, amount, location): Open Recent Clean of Evidence of High Water Table in or near Feature	No. Direction Description ric:
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 Fi	No. Direction Description ric:
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish obs Fi	No. Direction Description ric: re: , or Aquatic Insect Larvae in or near Feature
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 Post 265 Post 265 Post 265 Post 265 Post 266	No. Direction Description Fic: e: o, or Aquatic Insect Larvae in or near Feature ✓ No □ Additional evidence required
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish obs Roofly Clemin Dean, no Sign of Sub Sout in Land In Marriare visible but no bank development him waterware visible but no bank development. Photographs No. Direction Description Upstream: III Sw Other: Downstream: III Sw Other: Describe Bed: III Sw Other: Describe Sediment Deposits in Feature and on Floodplain - Recent / History NIA Recent Clean of Switch Switch Switch In Feature (type, amount, location): Downstream: III Sw Other: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Downstream: III Sw Other: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Downstream: III Sw Other: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Downstream: III Sw Other: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Downstream: III Sw Other: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Downstream: III Sw Other: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Downstream: III Sw Other: Describe Debris and / or Leaf Litter in Feature (type, amount, location): Downstream: III Sw Other: Downstream: III Sw Othe	No. Direction Description ric: re: , or Aquatic Insect Larvae in or near Feature
General Comments (Fish observed, unusual conditions, culvert/bridge de No Fish 265 Post 265 Post 265 Post 265 Post 265 Post 266	No. Direction Description Fic: e: o, or Aquatic Insect Larvae in or near Feature ✓ No □ Additional evidence required



Project (No. & Name): 16th N, Kent		ld Staff: REB		
Survey Date: 6APRIA Weather Condit				
Time Started: ປ້ຽເປ Temp (°C), Wind	l, Cloud Cover (%), Pred	cipitation: ኖኖር, ዛ/se , ዛላኤ , &		
	Prior 48hrs (mm): 🔿 🔘 🗈			
Site Code: LSCTO 70	GPS Location	Estimated Length Assessed		
Feature Name: Laffedy Or	Easting: 0397269	Upstream: /00		
Drainage System: Lake St Clar	Northing: 4708037	Downstream: 190		
	Water Body No. Nug			
Channel Characteristics and Morphology $\wedge \stackrel{\sim}{\vdash} \square$	Lake ☐ Pond			
	•••••••••••••••••••••••••••••••••••••••			
□ Standing Water □ Low Flow / Baseflow	v	☐ Defined ☐ Poorly Defined ☐ Moderate Flow ☐ High / Flood Flow		
Freshet Flow				
Avg. Wetted Width (m): เวล Avg. Water D	epth (m): 🕠 เø	Max Pool Depth (m): Q15		
Avg. Wetted Width (m): 1,22 Avg. Water D Avg. Bankfull Width (m): 2,2 Avg. Bankfull Substrate Composition (%) Boulder: Bed Morphology (%) Flat:	Depth (m): 0-35	· · · · · · · · · · · · · · · · · · ·		
Substrate Composition (%) Boulder:	Cobble:	Gravel: Fines:'⁰		
Bed Morphology (%) Flat:	Riffle:	Rún: 10# Pool: —		
Bank Slope & Stability: High slope Low 57-6, 1,7/	en de la composition della com	Feature Gradient (H/M/Ø): ८००		
Other Comments: Dryond Sil 2 5/5 of Costa	e vendy and the first of the second and the second			
Chambried de Recent clean out.		and the second s		
Instream Aquatic Habitat	inger element service productive contractive de la contractive de	and the state of t		
Features (e.g. woody debris, undercut banks): non	. No. 100 mag 1 mag 11 mag 12 mag	The state of the s		
Vegetation (with % dominant): Note -Records control				
Surface Water Quality	19° PA	Comments		
Temp (°C): N Turbidity (Ø/M/H): ∠○ ✓ Colo	ui. C/C#	Comments: —		
Riparian Habitat		and the second s		
Vegetation: 1645555	and the state of t	p. 100 cm² ayun anis ayun ayun ayun ayun ayun ayun ayun ayun		
Canopy Cover (% and species):	and the second s	Commission of the Commission o		
Adjacent Land Use:	autort/bridge description	on aroundwater indicators and description)		
General Comments (Fish observed, unusual conditions,	cuivernatinge description	on, groundwater indicators and description)		
No Figs. 169		San s		
Chamilized dr w no indication of perminan	<u> </u>	and the state of t		
	and a sign of the recovery reasons and the responsible of the recovery of the			
Dhataganha Na Direction Description	N ₀	. Direction Description		
Photographs No. Direction Description	Other:	· PHEVION PEOULDIN		
Upstream: Oa6 Su	OUICI.			
Feature Bed: 038 NE	AND THE CONTRACT OF THE PROPERTY OF THE PROPER	mannen en		
Culvert / Bridge:		to garage control of the second second control of the control of t		
Vegetation:	en er gregere gregger van er en kange kanger kan verkende er en de verkende er te voker. V			
Landscape Photo: Obg	an a real agus a chann a sa fi se an freis na agus a sa ann a tha an chann a dheach an dheach an a dheach a dhe			
Additional Characteristics				
Describe Bed Material and Soil Conditions in and around F	eature:	and the same of the same same same same same same same sam		
Same as Surrounding ag Freid Describe Sediment Deposits in Feature and on Floodplain	- Recent / Historic:			
No ne	and the same of th			
Presence of Hydric Soils:				
- No	ત્યાં હતો ૧૧ ત્યાર ને પ્રેક્ષિક કર્યો હતા અંતર કર્યું કે મહીદ મત્યવ ૧૫ માટ ૧૫ ૧૫ ૧૫ ૧૫ ૧૫ ૧૫ ૧૫ ૧૫ ૧૫ ૧૫ ૧૫ ૧૫	and the state of t		
Describe Debris and / or Leaf Litter in Feature (type,amour	nt, location):			
Down dean in no debris some lest litt remains on bed				
Drain clean in no debris, some lest little remains on bed Seepage Areas / Springs / Evidence of High Water Table in or near Feature:				
none (iii				
Attached Algae, Clam or Mussel Shells, Crayfish Chimneys	s or Exoskeltons, or Aqu	uatic Insect Larvae in or near Feature		
(Circle any present) NIA				
Water Body Determination Water Body?	☐ Yes	No Additional evidence required		
		Ephemeral		
Evidence of Water Body Status:				
to indicate - It beams -				
no style of all mit very ov substrate so	the Remnante of	Freq from clean out is travasses		
AN SALA Q. MARALE / SALAS SALAS				

\subseteq	NATURAL	RESOURCE	SOLUTIONS	INC.
Aquatic, Terrestrial and Wetland Biologis			logists	

Project (No. & Name): North Kent WP 1612	Field Staff: NGC, SGB
Survey Date: June 16 2015 Weather Conditions	
Time Started: \2.15 Temp (°C), Wind, Cloud Cover (%), I	Precipitation: 22°C, S, 20°6, Ø
ITime Finished: 17:20 Precipitation in Prior 48hrs (mm):	2.5 mm -> significable now not recons
Site Code: LSC7 - 207 GPS Location	Estimated Length Assessed &
Feature Name: unnamed ditch Easting: 03949	124 Upstream: 50 年
Drainage System: しゃんと ら Clair Northing: 4700	Downstream: 60
Location in System: Coder Hedge & Prince Albert Water Body No. A	J
Channel Characteristics and Morphology N / P □ Lake □ Pond ✓ Straight □ Meandering (H/M/L Sinuosity): □ Standing Water □ Low Flow / Baseflow	☐ Man-made pond Online/Offline
☑ Straight ☐ Meandering (H/M/L Sinuosity):	☐ Defined ☐ Poorly Defined
☐ Standing Water ☐ Low Flow / Baseflow	☐ Moderate Flow ☐ High / Flood Flow
Treshet Flow -N/A no Flow, no water Avg. Wetted Width (m): N/A Avg. Water Depth (m): N/A Avg. Rookfull Width (m): Avg. Rookfull Dooth (m): Avg.	
Avg. Wetted Width (m): NIA Avg. Water Depth (m): NIA	Max Pool Depth (m): № / 🗛
Avg. Bankfull Width (m): 3.0 Avg. Bankfull Depth (m): 6.55 Substrate Composition (%) Boulder: Cobble: —	geo
Substrate Composition (%) Boulder: Cobble:	Gravel: - Fines: 100
IBEG MORDHOLOGY (%) FIST 186 RITTLE	Run: Pool Web
[Bank Slope & Stability: Gentle 5love 25° stable no evidence	reature Gradient (H/IVI/L):
Other Comments:	osion
Other Comments: of ex	esul of heavy arecont rains
Instream Aquatic Habitat	
Features (e.g. woody debris, undercut banks): None	налимания на
Vegetation (with % dominant): D. Frees, poison by vines	
Surface Water Quality Temp (°C): N/A Turbidity (L/M/H): N/A Colour: N/A.	
	Comments: No walk
Riparian Habitat	
Vegetation: 12 Trees, vines poises vy matmed. Canopy Cover (% and species): 90 - 100%	trees woodlot, dunse veg @ Westend
Canopy Cover (% and species): 90 - 100%	0
Adjacent Land Use: Ag Creids wheat + Soy	
General Comments (Fish observed, unusual conditions, culvert/bridge descri	
Appears to be an old duy ditch, grown our wit	h trees, some very large
No water, some surface damp areas, no evidence of	flow, dease woody debis + lest
little in ditch No Gw indicator Species, kigher eleve	ation @ w end than wB to the west
End of Litch @ WB running N/S @ UTM 0395041	4767011
Photographs No. Direction Description Upstream: 2078 E Facing E. in disch Other: 20	No. Direction Description
Upstream: 2078 E tacing E. in disch Uther: 20	579 & Longe DBH trees in ditch
Downstream. 2089 W tacing in ditely - dense woods	1 Cheka (i S
Feature Bed: 2130 W boffom of dirch - derge veg, a	woody dubris + leaf litter
Culvert / Bridge:	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Vegetation: 2085 - D. trees, poison my vines Landscape Photo: 2081 W again elevator in ditch	
Landscape Photo: 2081 W grain elevator in ditch	
Describe Bed Material and Soil Conditions in and around Feature:	>1.231.1431.1631.1631.1631.1631.1631.1631.16
Sum as surranding hedgerow + similar to adjacent ag. Field	*
Describe Sediment Deposits in Feature and on Floodplain - Recent / Historic:	3
NIA soils in hedgerow are consistent - loo.	M/sandy/Siltelan
Presence of Hydric Soils:	and the same of th
No	
Describe Debris and / or Leaf Litter in Feature (type,amount, location):	
Derse woody debris + heavy leaf litter throughout	+ hedgerow + in ditch
Seepage Areas / Springs / Evidence of High Water Table in or near Feature:	
None.	
Attached Algae, Clam or Mussel Shells, Crayfish Chimneys or Exoskeltons, or	Aquatic Insect Larvae in or near Feature
(Circle any present) Nove	
	☑ No ☐ Additional evidence required
	☑ Ephemeral
riow regime. — remainent — internittent	☑ Ephemerar
Evidence of Water Body Status:	
######################################	