

APPENDIX E

Surface Water Quality Sampling
E-1 Surface Water Quality Sampling Protocol
E-2 Laboratory Results
E-3 *In Situ* Measurements





E-1 Surface Water Quality Sampling Protocol





TECHNICAL MEMORANDUM

DATE June 12, 2012 Revision 1 April 25, 2013 **PROJECT No.** 12-1151-0155

TO Jim Delaney Covanta Durham York Renewable Energy L.P.

CC Jeff Bedard and Janice Campbell - Courtice Power Partners; and Terry Winhold - Golder Associates

FROM Steve Auger

EMAIL Steve_Auger@golder.com

DURHAM-YORK ENERGY CENTER SURFACE WATER SAMPLING PROTOCOL DURING CONSTRUCTION PERIOD – Starting June 2012 to approximately May 2014

1.0 INTRODUCTION

This memorandum outlines the Surface Water Sampling protocol for the on and off-site sampling activities for the Durham-York Energy Center ('the Site') during construction activities in support of the overall Groundwater and Surface Water Sampling Monitoring Plan as per Condition 20 of the Site's Environmental Assessment Notice of Approval. The Site Plan Agreement was executed with the Corporation of the Municipality of Clarington and Regional Municipality of Durham on January 24, 2012. Since then, Site construction activities are underway. Operation for the facility is scheduled to commence in May, 2014. Golder Associates Ltd. ('Golder') performed the initial site reconnaissance for this program on May 29, 2012. Covanta Durham York Renewable Energy Limited ('Covanta') commissioned Golder to carry-out this program on May 25, 2012.

2.0 SURFACE WATER SAMPLING

The surface water sampling stations (SWM-E-IN, SWM-E-OUT, SWM-W-IN SWM-W-OUT, and SW1 to SW4) for all on and off-site efforts are shown on Figure 1.

Frequency

At least one inter-event (dry period) surface water sampling grab will occur per season (at minimum, approximately 48 hours after a significant rainfall event of 5 mm or greater). Two more rainfall-runoff sampling grabs will occur for rainfall events of approximately 5 mm or greater.

The surface water sampling grabs will be initiated after direction is received from Covanta. The decision will occur after Covanta consults with the on-site contractor, Courtice Power Partners ('CPP', and Golder.

Sampling Grabs and In Situ Measurements

• Four (4), 500 mL sampling bottles will be filled at each location with surface water grabs. Two (2) of the sampling bottles from each location will be submitted to the laboratory for Total Suspended Solids ('TSS')

and Turbidity analyses. The bottles submitted will be labelled with the appropriate analysis identified, the date and time of sampling, sampling grab location and Golder project number. An additional two (2) bottles will act as duplicates and be stored off-site at the local Golder-Whitby office until lab results are received, reviewed and discussed with Covanta. The duplicate samples will be discarded every season once this review and follow-up discussion is complete. If there is any question or concern regarding the initial laboratory results, the duplicate samples will be submitted to the laboratory for additional analysis after Covanta provides consent for this additional expense.

In situ measurements for pH, temperature and conductivity will also be taken by Golder staff when on-site. The instrument used for these measurements will be calibrated before each use, to ensure accurate results are provided.

On-Site Stormwater Management Ponds

Grab samples will be taken during rainfall-runoff event periods at the inlet and outlet of the East and West stormwater management ('SWM') Ponds.

Rainfall-Runoff-Discharge Sampling

Every reasonable effort, while ensuring safety of the Golder staff, will be taken to sample during a significant rainfall-runoff event (approximately 5 mm or greater of total rainfall) after Golder receives direction to proceed from Covanta.

Grab samples at the inlet and outlet of the SWM Ponds will be taken during the rising and falling limbs of the inflow and outflow to and from these SWM Ponds, respectively. The coordination of these sample grabs will be based on experience and the specific storm characteristics (e.g., intensity, duration, total volume) and Site conditions (e.g., antecedent conditions).

Controlled Discharge Sampling

During a controlled pump-out sampling scenario, the East and West SWM Pond outlet stations, along with the upstream and downstream receiving swale (SW1 and SW2) and Tooley Creek grabs will be performed (at the very least) following a significant rainfall event of approximately 5 mm or greater. Considering this 'controlled' sampling scenario, it is not anticipated that inflow conditions at the SWM-E-IN and SWM-W-IN sampling locations will be suitable for grab samples. However, if there is still reasonable inflow into the ponds during these controlled discharge events, grab samples will also be taken at these locations.

Off-Site Receiving Swale and Tooley Creek

Grab sampling at the upstream and downstream receiving swale locations (SW1 and SW2), along with the upstream and downstream Tooley Creek stations (SW3 and SW4), will occur after all on-site sampling is complete. These samples will be taken in numerical sequence.

The following general good practices for surface water grab sampling will also be followed by Golder staff.

Grab Sampling Technique

Surface Water sampling will occur via a grab sample from identified, consistent sampling locations that are considered representative of 'well-mixed' surface water conditions at the sampling station. Typically, these grabs will be taken in the centre-line zone of the receiving swale or creek, or the centre of the inlet or outlet location for the SWM Ponds. These samples should be grabbed from depths slightly below the surface of the water, is the water depths at the time of sampling is accommodating (Burton and Pitt, 2002).



 Care must be taken to not to disturb the substrate at the sampling station, to avoid any increase in TSS or Turbidity measurements while sampling efforts occur. If depths are too shallow, every effort will be taken for a 'well-mixed' sample, while avoiding any disturbance (e.g., shallow sampling scoops using control bottle).

Field Forms and Reporting

- Golder has developed a surface water sampling field form that should be filled out in it's entirety for each station during the sampling effort (Attachment 1). Along with the recorded in situ measurements, visual observations will be made during the sampling periods.
- A technical memorandum will be prepared each season, outlining the surface water sampling results along with a summary of the Erosion and Sediment Control ('E&SC') weekly reviews. This memo will also highlight any additional E&SC measures recommended for consideration, if there are any concerns with surface water impacts off-site based on the surface water sampling results and/or the E&SC inspection reviews.

Site Photographic Record

A photographic record of conditions at the eight surface water quality sampling locations and other notable view points will developed by Golder to illustrate study area conditions during the surface water sampling visits.

Sample Submission to Laboratory

- Grab samples will be packaged in ice and sent to the laboratory for analysis immediately after the sampling event. Approximately two (2) bags of ice will be required to fill the cooler box provided with the bottles. Ice bags should entirely surround the sample bottles by being placed on the bottom of the cooler below the sample bottles, as well as between, on all sides and above the sample bottles. If the temperature of the bottles is below 10 °C when it is received at the laboratory, the analysis results are less reliable and this will be noted in the laboratory results.
- Golder will follow the chain-of-custody protocol from the laboratory of choice, and provide a copy of the grab sample set exchange with the laboratory to Covanta for their records.
- When analytical results are complete, they will be forwarded via e-mail to the Golder Surface Water Certified Environmental Practitioner ('CEP').

3.0 HEALTH AND SAFETY

Site Training and Communication

All Golder staff involved with the Site's Surface Water Sampling program will receive Health and Safety orientation from CPP. As part of the training requirement, Golder staff will ensure both Workplace Hazardous Materials Information System ('WHMIS') and Fall Protection Awareness training/qualifications are current.

Upon arrival to the Site, Golder staff must back vehicles safely into a parking spot in the eastern control area near the contractors and consultants offices. Golder staff must check in with the CPP Environmental Monitor and Inspector (EMI) or Janice Campbell (CPP Health and Safety Coordinator) for a Health and Safety briefing outlining the specific Site activities and notable hazards for the day. A sign-in sheet within the CPP training must also be filled. Upon departure, a check-out confirmation with the CPP representative originally contacted, along with signing out must also occur.

Jim Delaney or Dave Haldenby (Covanta) will also be informed of each site visit by the Golder Surface Water CEP or designate ahead of the Golder team's arrival.



Golder Health and Safety Environment Plan

The Golder staff will be following a separate Health and Safety Environment Plan ('HaESP'), that outlines the risks and preventative strategies to ensure safety on and off Site (Attachment 2). The appropriate Health and Safety personal protection equipment for the on and off-site work include a construction hat, goggles, steel toed construction boots (while on-site), and waders for the off-site sampling work in Tooley Creek at stations SW3 and SW4.

For the surface water sampling efforts, a check-in and out contact will also be made with the Golder project manager or alternative Health & Safety point of contact for the site visit.

CN Railway Line

There are two sampling stations off-site (SW1 and SW2) that are located north of and in close proximity to the CN Railway line as shown on Figure 1.

The SW1 station is located just northwest of the Osbourne Road crossing, within approximately 15 m of the gate and lights signal system for the CN railway line. Golder staff should never venture south of the swale or this station. If there is any indication that a train is coming (i.e., the signal lights start flashing and the gates come down, along with horn blasting heard from a distance), the Golder sampling team will walk away from the sampling equipment and efforts to a control point along and outside of the southeastern side of the Site's perimeter fence where they will wait until the train has passed.

At the SW2 station, this sampling station has been selected so Golder staff can reach within the receiving swale to take the sample while still being north of the farmer's fence and CN Railway line right-of-way for grabs at this station.

Attachment 1:Surface Water Sampling Field Form Attachment 2:Golder's HAESP

N.B.

For Attachment 1, see Appendix E-3 in Surface Water Monitoring Program Annual Report.

Attachment 2 is not provided.

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4.0 REFERENCES

Burton, G.A. and Pitt, R.E. (2002). Stormwater Effects Handbook: A Tool for Watershed Managers, Scientists, and Engineers, Lewis Publishers. pp. 247-251, 307, 313, 337, 357





E-2 Laboratory Results





Your Project #: 12-1151-0155 Site#: 12-1151-0155 Site Location: COVANTA

Your C.O.C. #: 40712001, 407120-01-01

Attention: Steve Auger Golder Associates Ltd 140 Renfrew Dr Suite 110 Markham, ON L3R 6B3

Report Date: 2013/06/06

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B385297 Received: 2013/06/03, 13:00

Sample Matrix: Water # Samples Received: 7

		Date	Date		Method
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Reference
Total Suspended Solids	7	N/A	2013/06/05	CAM SOP-00428	SM 2540D
Turbidity	7	N/A	2013/06/05	CAM SOP-00417	APHA 2130B

- * RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
- * Results relate only to the items tested.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Keshani Vijh, Project Manager Email: KVijh@maxxam.ca Phone# (905) 817-5700

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Total cover pages: 1



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: JH

RESULTS OF ANALYSES OF WATER

Maxxam ID		RT1884	RT1884		RT1885		RT1886		
Sampling Date		2013/05/31	2013/05/31		2013/05/31		2013/05/31		
	Units	E-SWMP-IN	E-SWMP-IN	QC Batch	W-SWMP-IN	RDL	W-SWMP-OUT	RDL	QC Batch
			Lab-Dup						
Inorganics									
Total Suspended Solids	mg/L	<10		3235803	17	10	92	10	3235800
Turbidity	NTU	20	20	3235825	130	0.2	460	1	3235825

Maxxam ID		RT1887		RT1888	RT1889		RT1890		
Sampling Date		2013/05/31		2013/05/31	2013/05/31		2013/05/31		
	Units	SW1	QC Batch	SW2	SW3	QC Batch	SW4	RDL	QC Batch
Inorganics									
Total Suspended Solids	mg/L	<10	3235800	10	<10	3235803	<10	10	3235800
Turbidity	NTU	10	3235825	9.0	2.5	3235825	2.9	0.2	3235825



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: JH

Test Summary

Maxxam ID RT1884 Sample ID E-SWMP-IN

Matrix Water

Collected 2013/05/31

Shipped

Received 2013/06/03

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3235803	N/A	2013/06/05	Subhashchandra Patel
Turbidity	TURB	3235825	N/A	2013/06/05	Neil Dassanayake

Maxxam ID RT1884 Dup Sample ID E-SWMP-IN

Matrix Water

Collected 2013/05/31

Shipped Received 2013/06/03

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Turbidity	TURB	3235825	N/A	2013/06/05	Neil Dassanayake

Maxxam ID RT1885

Sample ID W-SWMP-IN

Matrix Water

Collected 2013/05/31

Shipped

Received 2013/06/03

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3235800	N/A	2013/06/05	Subhashchandra Patel
Turbidity	TURB	3235825	N/A	2013/06/05	Neil Dassanayake

Maxxam ID RT1886

Sample ID W-SWMP-OUT

Matrix Water

Collected 2013/05/31

Shipped

Received 2013/06/03

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3235800	N/A	2013/06/05	Subhashchandra Patel
Turbidity	TURB	3235825	N/A	2013/06/05	Neil Dassanayake



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: JH

Test Summary

 Maxxam ID
 RT1887
 Collected
 2013/05/31

 Sample ID
 SW1
 Shipped

Matrix Water Received 2013/06/03

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3235800	N/A	2013/06/05	Subhashchandra Patel
Turbidity	TURB	3235825	N/A	2013/06/05	Neil Dassanayake

 Maxxam ID
 RT1888
 Collected
 2013/05/31

 Sample ID
 SW2
 Shipped

Matrix Water Received 2013/06/03

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3235803	N/A	2013/06/05	Subhashchandra Patel
Turbidity	TURB	3235825	N/A	2013/06/05	Neil Dassanavake

 Maxxam ID
 RT1889
 Collected
 2013/05/31

 Sample ID
 SW3
 Shipped

 Matrix
 Water
 Received
 2013/06/03

Test Description Instrumentation Batch Extracted Analyzed **Analyst** Total Suspended Solids SLDS 3235803 N/A 2013/06/05 Subhashchandra Patel TURB Turbidity 3235825 N/A 2013/06/05 Neil Dassanayake

 Maxxam ID
 RT1890
 Collected
 2013/05/31

 Sample ID
 SW4
 Shipped

Matrix Water Received 2013/06/03

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3235800	N/A	2013/06/05	Subhashchandra Patel
Turbidity	TURB	3235825	N/A	2013/06/05	Neil Dassanayake



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: JH

Package 1 0.3°C

Each temperature is the average of up to three cooler temperatures taken at receipt

GENERAL COMMENTS



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: JH

QUALITY ASSURANCE REPORT

			Method Blank		RP	D	QC Standard	
QC Batch	Parameter	Date	Value	Units	Value (%)	QC Limits	% Recovery	QC Limits
3235800	Total Suspended Solids	2013/06/05	<10	mg/L	NC	25	98	85 - 115
3235803	Total Suspended Solids	2013/06/05	<10	mg/L	NC	25	96	85 - 115
3235825	Turbidity	2013/06/05	<0.2	NTU	1.7	20	95	85 - 115

N/A = Not Applicable

RPD = Relative Percent Difference

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.



Validation Signature Page

Maxxam Job #: B385297

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Ewa Pranjic, M.S., C.Chem, Scientific Specialist

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Your Project #: 12-1151-0155 Site#: 12-1151-0155 Site Location: COVANTA

Your C.O.C. #: 40712002, 407120-02-01

Attention: Steve Auger Golder Associates Ltd 140 Renfrew Dr Suite 110 Markham, ON L3R 6B3

Report Date: 2013/07/03

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B3A1602 Received: 2013/06/26, 15:20

Sample Matrix: Water # Samples Received: 8

		Date	Date		Method
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Reference
Total Suspended Solids	7	N/A	2013/06/27	CAM SOP-00428	SM 2540D
Total Suspended Solids	1	N/A	2013/07/02	CAM SOP-00428	SM 2540D
Turbidity	8	N/A	2013/06/27	CAM SOP-00417	APHA 2130B

^{*} RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Keshani Vijh, Project Manager Email: KVijh@maxxam.ca Phone# (905) 817-5700

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Total cover pages: 1

^{*} Results relate only to the items tested.



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

RESULTS OF ANALYSES OF WATER

Maxxam ID		SA9367	SA9367	SA9368	SA9369	SA9370		
Sampling Date		2013/06/25	2013/06/25	2013/06/25	2013/06/25	2013/06/25		
	Units	E-SWMP-IN	E-SWMP-IN Lab-Dup	E-SWMP-OUT	W-SWMP-IN	W-SWMP-OUT	RDL	QC Batch
Inorganics								
Total Suspended Solids	mg/L	<10	<10	<10	12	87	10	3262105
Turbidity	NTU	8.2		9.3	19	52	0.2	3262218

Maxxam ID		SA9371		SA9372		SA9373	SA9374		
Sampling Date		2013/06/25		2013/06/25		2013/06/25	2013/06/25		
	Units	SW1	QC Batch	SW2	QC Batch	SW3	SW4	RDL	QC Batch
Inorganics									
Illorganics									
Total Suspended Solids	mg/L	81	3262105	10	3266072	28	44	10	3262105



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

Test Summary

Maxxam ID SA9367 Sample ID E-SWMP-IN

Matrix Water

Collected 2013/06/25

Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis

Maxxam ID SA9367 Dup

Sample ID E-SWMP-IN

Matrix Water

Collected 2013/06/25

Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John

Maxxam ID SA9368

Sample ID E-SWMP-OUT

Matrix Water

Collected 2013/06/25 Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis

Maxxam ID SA9369

Sample ID W-SWMP-IN

Matrix Water

Collected 2013/06/25

Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

Test Summary

Maxxam ID SA9370 Sample ID W-SWMP-OUT

Matrix Water

Collected 2013/06/25

Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis

Maxxam ID SA9371 Sample ID SW1 Collected 2013/06/25

Shipped

Matrix Water

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis

Maxxam ID SA9372

Collected 2013/06/25

Sample ID SW2 Matrix Water Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3266072	N/A	2013/07/02	Gurpreet Kaur
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis

Maxxam ID SA9373 Sample ID SW3 Matrix Water **Collected** 2013/06/25

Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

Test Summary

Collected 2013/06/25

Maxxam ID SA9374 Sample ID SW4

Shipped

Matrix Water **Received** 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

Package 1 7.3°C

Each temperature is the average of up to three cooler temperatures taken at receipt

GENERAL COMMENTS



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

QUALITY ASSURANCE REPORT

		Method	Blank	nk RF		QC Sta	QC Standard	
QC Batch	Parameter	Date	Value	Units	Value (%)	QC Limits	% Recovery	QC Limits
3262105	Total Suspended Solids	2013/06/27	<10	mg/L	NC	25	98	85 - 115
3262218	Turbidity	2013/06/27	0.3, RDL=0.2	NTU	10.9	20	97	85 - 115
3266072	Total Suspended Solids	2013/07/02	<10	mg/L	1.7	25	97	85 - 115

N/A = Not Applicable

RDL = Reportable Detection Limit

RPD = Relative Percent Difference

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.



Validation Signature Page

Maxxam Job #: B3A1602

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Ewa Pranjic, M.S., C.Chem, Scientific Specialist

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Maxxan	Maxiam Analytics International Corporat 6740 Campobello Road, Mississauga, O	ion o/a Maxxam Ana	alytics	7-5700 Toll-fr	ee 800-56	3-6266 Fa	c(905) 817-	5779 www.i	maxxam.c			CHA	AIN OF	CUSTODY REC	ORD		Page / of /
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	Golder Associates Ltd	Company N	lame:						Qu	otation #:	B02	2761				MAXXAM JOB #:	BOTTLE ORDER #:
Contact Name: Central A		Contact Na	me: Ste	ve Auger					P.0). #:		N.					
	rew Dr Suite 110	Address:							Pro	oject #:		1151-01		,			411743
	ON L3R 6B3			4)		2			Pro	ject Name:		CANSA	MAN	M Covanto		CHAIN OF CUSTODY #:	PROJECT MANAGER:
hone: (905)475-		Phone:	(90	5)475-559	1 x6030) Fa	x.		Sit	e#:			,	"	1111		Mathura Thirukkumaran
-\ _\/	@golder.com, LeAnh_Huynh@golder.co	m, Email:	Ste	ve_Auger(@golde	r.com			Sa	mpled By:		W/	EM			C#411743-04-01	
Regulation 153 (2011)			SPECIAL INSTR	RUCTIONS				AA	ALYSIS F	EQUESTE) (Please b	e specific)				TURNAROUND TIME (TAT) I	REQUIRED:
Table 2 Ind/Comm Table 3 Agri/Other Include Crite	Medium/Fine CCME Sanitary Sew Reg. 558 Storm Sewer MISA Municipality PWQO Other Seria on Certificate of Analysis (Y/N)?	Bylaw	TSS P.1 = 1 mg)L	Drinking Water ? (Y / N)	Suspended Solids									Regular ((will be ap Standard Please no days - cor	PLEASE PROVIDE ADVANCE NOTICE FO Standard) TAT: pilled if Rush TAT is not specified): TAT = 5-T Working days for most tests. whe: Standard TAT for certain tests such as I intact your Project Manager for details. iffic Rush TAT (if applies to entire subminured:	30D and Dioxins/Furans are >
	ulated drinking water samples - please use the Drink				Field F	dsng	ιţ										equired.
SAMPLES MUST BE	E KEPT COOL (< 10°C) FROM TIME OF SAMPLIN	G UNTIL DELIVERY	Y TC MAXXAM		gular		Turbidity	ļ								firmation Number: (call la	b for #)
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regul	Total	P								# of Bottles	Comment	S
1	SWI	July 22	1330	SW	NI	1	V		77							* TSS MAD	L
2	SW 2		1510	1		1	V		87							= 1 mg/L	
	SW3		1415				/								,		51 1914 1000 1000
							1./									23-Ju Mathura Thir	ıl-13 13:50 ukkuma
	SWY		1440			1	1										and the second
5	E-SWMP-IN		1250			1	1	L				1/4				B3B9504	
	E-SWMP-OUT		1345				//									FW	ENV-915
			(1/1/		+#	-	//						,				:37
	W-SWMP-IN		1305			1	//			5	,				1		
5	W-SWMY-OUT.	1	1348	1	11	/ ~											
0											4						510
		WOD) -	4	per	SIVED P	Y: (Signatu	re/Print\		_ n	ate: (YY/MN	M/DD)	Ti	me:	# Jars Used and		Laboratory Use On	У
*RELINQUISHED BY	Signature/Print) Date: (YY/N) Witheracl 13/07/12		ime: 30 ()ALE		CO		013/0		_	50	Not Submitted	Time S	ensitive Temperature (*C) on Receipt	Custody Seal Yes I Present
IT IS THE DESPONSIBILITY OF T	HE RELINQUISHER TO ENSURE THE ACCURACY	OF THE CHAIN O	F CUSTODY RE	ORD, AN INC	COMPLET	E CHAIN O	F CUSTOD	Y MAY RES	ULT IN A	NALYTICAL	TAT DEL	AYS.				1 1 -	White: Maxxam Yellow: 0



Your Project #: 12-1151-0155 Site#: 12-1151-0155 Site Location: COVANTA

Your C.O.C. #: 41174302, 411743-02-01

Attention: Steve Auger Golder Associates Ltd 140 Renfrew Dr Suite 110 Markham, ON L3R 6B3

Report Date: 2013/10/11

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B3H1591 Received: 2013/10/08, 14:10

Sample Matrix: Water # Samples Received: 8

		Date	Date	Method
Analyses	Quantity	Extracted	Analyzed Laboratory Method	Reference
Low Level Total Suspended Solids	6	N/A	2013/10/09 CAM SOP-00428	SM 2540D
Low Level Total Suspended Solids	2	N/A	2013/10/10 CAM SOP-00428	SM 2540D
Turbidity	8	N/A	2013/10/10 CAM SOP-00417	APHA 2130B

^{*} RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Antonella Brasil, Project Manager Email: ABrasil@maxxam.ca Phone# (905) 817-5817

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 1

^{*} Results relate only to the items tested.



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: DW

RESULTS OF ANALYSES OF WATER

Maxxam ID		TK0604	TK0604			TK0605	TK0606		
Sampling Date		2013/10/07	2013/10/07			2013/10/07	2013/10/07		
	Units	E-SWMP-OUT	E-SWMP-OUT	RDL	QC Batch	W-SWMP-OUT	E-SWMP-IN	RDL	QC Batch
			Lab-Dup						
Inorganics									
Total Suspended Solids	mg/L	69		2	3379813	150	31	1	3379434
Turbidity	NTU	32	31	0.2	3379581	47	28	0.2	3379581

Maxxam ID		TK0607			TK0608	TK0609	TK0610	TK0611			
Sampling Date		2013/10/07			2013/10/07	2013/10/07	2013/10/07	2013/10/07			
	Units	W-SWMP-IN	RDL	QC Batch	SW-1	SW2	SW3	SW4	RDL	QC Batch	
Inorganics											
Total Suspended Solids	mg/L	81	5	3379813	40	49	31	22	1	3379434	
Turbidity	NTU	130	0.2	3379581	24	24	25	29	0.2	3379581	



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: DW

Test Summary

Maxxam ID TK0604

Sample ID E-SWMP-OUT

Matrix Water

Collected 2013/10/07

Shipped

Received 2013/10/08

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3379813	N/A	2013/10/10	Yohannes Chemo
Turbidity	TURB	3379581	N/A	2013/10/10	Lemeneh Addis

Maxxam ID TK0604 Dup

Sample ID E-SWMP-OUT

Matrix Water

Collected 2013/10/07

Shipped

Received 2013/10/08

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Turbidity	TURB	3379581	N/A	2013/10/10	Lemeneh Addis

Maxxam ID TK0605

Sample ID W-SWMP-OUT

Matrix Water

Collected 2013/10/07 Shipped

Received 2013/10/08

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3379434	N/A	2013/10/09	Malik Kai Morgan John
Turbidity	TURB	3379581	N/A	2013/10/10	Lemeneh Addis

Maxxam ID TK0606

Sample ID E-SWMP-IN

Matrix Water

Collected 2013/10/07

Shipped

Received 2013/10/08

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3379434	N/A	2013/10/09	Malik Kai Morgan John
Turbidity	TURB	3379581	N/A	2013/10/10	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: DW

Test Summary

Maxxam ID TK0607 Sample ID W-SWMP-IN

Collected 2013/10/07

Matrix Water

Shipped

Received 2013/10/08

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3379813	N/A	2013/10/10	Yohannes Chemo
Turbidity	TURB	3379581	N/A	2013/10/10	Lemeneh Addis

Maxxam ID TK0608 Sample ID SW-1

Collected 2013/10/07 Shipped

Matrix Water

Received 2013/10/08

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3379434	N/A	2013/10/09	Malik Kai Morgan John
Turbidity	TURB	3379581	N/A	2013/10/10	Lemeneh Addis

Maxxam ID TK0609 Collected 2013/10/07

Sample ID SW2 Matrix Water

Matrix Water

Shipped

Received 2013/10/08

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3379434	N/A	2013/10/09	Malik Kai Morgan John
Turbidity	TURB	3379581	N/A	2013/10/10	Lemeneh Addis

Maxxam ID TK0610 Collected 2013/10/07 Sample ID SW3

Shipped

Received 2013/10/08

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3379434	N/A	2013/10/09	Malik Kai Morgan John
Turbidity	TURB	3379581	N/A	2013/10/10	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: DW

Test Summary

Maxxam ID TK0611 Sample ID SW4 Matrix Water **Collected** 2013/10/07

Shipped

Received 2013/10/08

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3379434	N/A	2013/10/09	Malik Kai Morgan John
Turbidity	TURB	3379581	N/A	2013/10/10	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: DW

Package 1 -0.3°C

Each temperature is the average of up to three cooler temperatures taken at receipt

GENERAL COMMENTS



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: DW

QUALITY ASSURANCE REPORT

			Method Blank		RP	D	QC Standard	
QC Batch	Parameter	Date	Value	Units	Value (%)	QC Limits	% Recovery	QC Limits
3379434	Total Suspended Solids	2013/10/09	<1	mg/L	NC	25	98	85 - 115
3379581	Turbidity	2013/10/10	<0.2	NTU	2.5	20	98	85 - 115
3379813	Total Suspended Solids	2013/10/10	<1	mg/L	14.3	25	97	85 - 115

N/A = Not Applicable

RPD = Relative Percent Difference

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.



Validation Signature Page

Maxxam Job #: B3H1591		

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Cristina Carriere, Scientific Services

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Your Project #: 12-1151-0155 Site#: 12-1151-0155 Site Location: COVANTA

Your C.O.C. #: 42918801, 429188-01-01

Attention: Steve Auger Golder Associates Ltd 140 Renfrew Dr Suite 110 Markham, ON L3R 6B3

Report Date: 2013/11/26

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B3K2772 Received: 2013/11/22, 16:00

Sample Matrix: Water # Samples Received: 8

		Date	Date	Method
Analyses	Quantity	Extracted	Analyzed Laboratory Method	Reference
Low Level Total Suspended Solids	8	N/A	2013/11/25 CAM SOP-00428	SM 2540D
Turbidity	8	N/A	2013/11/23 CAM SOP-00417	APHA 2130B

^{*} RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Antonella Brasil, Project Manager Email: ABrasil@maxxam.ca Phone# (905) 817-5817

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Total cover pages: 1

^{*} Results relate only to the items tested.



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: JH

RESULTS OF ANALYSES OF WATER

Maxxam ID		UA3121	UA3122		UA3123		UA3124		
Sampling Date		2013/11/22	2013/11/22		2013/11/22		2013/11/22		
		08:19	08:41		09:50		09:41		
	Units	E-SWMP-IN	E-SWMP-OUT	RDL	W-SWMP-IN	RDL	W-SWMP-OUT	RDL	QC Batch
Inorganics									
Total Suspended Solids	mg/L	430	300	5	45	3	30	2	3433916
Turbidity	NTU	89	110	0.2	36	0.2	35	0.2	3433823

Maxxam ID		UA3125	UA3125	UA3126	UA3127	UA3128		
Sampling Date		2013/11/22	2013/11/22	2013/11/22	2013/11/22	2013/11/22		
		09:06	09:06	10:21	10:57	10:40		
	Units	SW1	SW1 Lab-Dup	SW2	SW3	SW4	RDL	QC Batch
Inorganics								
Total Suspended Solids	mg/L	28		28	7	18	1	3433916
Turbidity	NTU	29	31	18	5.1	16	0.2	3433823



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: JH

Test Summary

Maxxam ID UA3121 Sample ID E-SWMP-IN

Matrix Water

Collected 2013/11/22

Shipped

Received 2013/11/22

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3433916	N/A	2013/11/25	Subhashchandra Patel
Turbidity	TURB	3433823	N/A	2013/11/23	Lemeneh Addis

Maxxam ID UA3122

Sample ID E-SWMP-OUT

Matrix Water

Collected 2013/11/22

Shipped

Received 2013/11/22

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3433916	N/A	2013/11/25	Subhashchandra Patel
Turbidity	TURB	3433823	N/A	2013/11/23	Lemeneh Addis

Maxxam ID UA3123

Sample ID W-SWMP-IN

Matrix Water

Collected 2013/11/22

Shipped

Received 2013/11/22

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3433916	N/A	2013/11/25	Subhashchandra Patel
Turbidity	TURB	3433823	N/A	2013/11/23	Lemeneh Addis

Maxxam ID UA3124 Sample ID W-SWMP-OUT **Collected** 2013/11/22 Shipped

Matrix Water

Received 2013/11/22

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3433916	N/A	2013/11/25	Subhashchandra Patel
Turbidity	TURB	3433823	N/A	2013/11/23	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: JH

Test Summary

Maxxam ID UA3125 Collected 2013/11/22 Sample ID SW1 Shipped

Matrix Water Received 2013/11/22

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3433916	N/A	2013/11/25	Subhashchandra Patel
Turbidity	TURB	3433823	N/A	2013/11/23	Lemeneh Addis

Maxxam ID UA3125 Dup Collected 2013/11/22 Shipped

Sample ID SW1

Received 2013/11/22 Matrix Water

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Turbidity	TURB	3433823	N/A	2013/11/23	Lemeneh Addis

Maxxam ID UA3126 Collected 2013/11/22 Sample ID SW2 Shipped

Matrix Water Received 2013/11/22

Test Description Instrumentation Batch Extracted Analyzed Analyst Low Level Total Suspended Solids SLDS 3433916 N/A 2013/11/25 Subhashchandra Patel Turbidity **TURB** 3433823 N/A 2013/11/23 Lemeneh Addis

Maxxam ID UA3127 Collected 2013/11/22 Sample ID SW3

Shipped

Matrix Water Received 2013/11/22

Test Description Instrumentation Extracted Analyzed Analyst Batch Low Level Total Suspended Solids **SLDS** 3433916 N/A 2013/11/25 Subhashchandra Patel Turbidity **TURB** 3433823 N/A 2013/11/23 Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: JH

Test Summary

Maxxam ID UA3128 Sample ID SW4 Matrix Water **Collected** 2013/11/22

Shipped

Received 2013/11/22

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3433916	N/A	2013/11/25	Subhashchandra Patel
Turbidity	TURB	3433823	N/A	2013/11/23	Lemeneh Addis



Maxxam Job #: B3K2772 Report Date: 2013/11/26 Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: JH

Package 1	6.0°C
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Each temperature is the average of up to three cooler temperatures taken at receipt

GENERAL COMMENTS



Maxxam Job #: B3K2772 Report Date: 2013/11/26 Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: JH

QUALITY ASSURANCE REPORT

		Method	l Blank	RP	סי	QC Standard		
QC Batch	Parameter	Date	Value	Units	Value (%)	QC Limits	% Recovery	QC Limits
3433823	Turbidity	2013/11/23	<0.2	NTU	3.9	20	97	85 - 115
3433916	Total Suspended Solids	2013/11/25	<1	mg/L	0	25	100	85 - 115

N/A = Not Applicable

RPD = Relative Percent Difference

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.



Validation Signature Page

Ma	nxxam	Job	#:	B3 I	K27	772

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Ewa Pranjic, M.S., C.Chen, Scientific Specialist

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Your Project #: 12-1151-0155

Site#: 12-1151-0155

Site Location: COVANTA /CLAVINGTON Your C.O.C. #: 45715143, 457151-43-01

Attention: Steve Auger Golder Associates Ltd 140 Renfrew Dr Suite 110 Markham, ON L3R 6B3

> Report Date: 2014/04/01 Report #: R2979621

> > Version: 1

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B451062 Received: 2014/04/01, 10:25

Sample Matrix: Water # Samples Received: 5

		Date	Date		Method
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Reference
Low Level Total Suspended Solids	5	N/A	2014/04/01	CAM SOP-00428	SM 2540D
Turbidity	5	N/A	2014/04/01	CAM SOP-00417	APHA 2130B

^{*} RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Antonella Brasil, Senior Project Manager Email: ABrasil@maxxam.ca Phone# (905) 817-5817

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Total cover pages: 1

^{*} Results relate only to the items tested.



Golder Associates Ltd Client Project #: 12-1151-0155

Site Location: COVANTA /CLAVINGTON

Sampler Initials: KS

RESULTS OF ANALYSES OF WATER

Maxxam ID		VJ7640	VJ7641	VJ7641		VJ7642		VJ7643	VJ7644		
Sampling Date		2014/03/31	2014/03/31	2014/03/31		2014/03/31		2014/03/31	2014/03/31		
		14:49	14:20	14:20		16:02		16:25	16:51		
	Units	W-SWMP-OUT	SW 1	SW 1 Lab-Dup	RDL	SW 2	RDL	SW 3	SW 4	RDL	QC Batch
Inorganics											
Total Suspended Solids	mg/L	36	10	11	1	330	5	540	590	10	3558664
Turbidity	NTU	66	9.8		0.2	220	0.2	87	100	0.2	3558663



Golder Associates Ltd Client Project #: 12-1151-0155

Site Location: COVANTA /CLAVINGTON

Sampler Initials: KS

Test Summary

Maxxam ID VJ7640

Sample ID W-SWMP-OUT

Matrix Water

Collected test 2 2014/03/31

Shipped

Received 2014/04/01

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3558664	N/A	2014/04/01	Subhashchandra Patel
Turbidity	TURB	3558663	N/A	2014/04/01	Lemeneh Addis

Maxxam ID VJ7641 Collected test 2 2014/03/31

Sample ID SW 1 Shipped

Received 2014/04/01 Matrix Water

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3558664	N/A	2014/04/01	Subhashchandra Patel
Turbidity	TURB	3558663	N/A	2014/04/01	Lemeneh Addis

Collected test 2 2014/03/31 Maxxam ID VJ7641 Dup

Sample ID SW 1 Shipped

Matrix Water Received 2014/04/01

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3558664	N/A	2014/04/01	Subhashchandra Patel

Maxxam ID VJ7642 Collected test 2 2014/03/31

Sample ID SW 2 Shipped

Received 2014/04/01 Matrix Water

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3558664	N/A	2014/04/01	Subhashchandra Patel
Turbidity	TURB	3558663	N/A	2014/04/01	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155

Site Location: COVANTA /CLAVINGTON

Sampler Initials: KS

Test Summary

Maxxam ID VJ7643 Collected test 2 2014/03/31 Sample ID SW 3

Shipped

Matrix Water Received 2014/04/01

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3558664	N/A	2014/04/01	Subhashchandra Patel
Turbidity	TURB	3558663	N/A	2014/04/01	Lemeneh Addis

Maxxam ID VJ7644 Collected test 2 2014/03/31

Sample ID SW 4 Shipped

Matrix Water Received 2014/04/01

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Low Level Total Suspended Solids	SLDS	3558664	N/A	2014/04/01	Subhashchandra Patel
Turbidity	TURB	3558663	N/A	2014/04/01	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA /CLAVINGTON

Sampler Initials: KS

Package 1 3.0°C

Each temperature is the average of up to three cooler temperatures taken at receipt

GENERAL COMMENTS



Golder Associates Ltd Client Project #: 12-1151-0155

Site Location: COVANTA /CLAVINGTON

Sampler Initials: KS

QUALITY ASSURANCE REPORT

		Method	l Blank	RP	סי	QC Standard		
QC Batch	Parameter	Date	Value	Units	Value (%)	QC Limits	% Recovery	QC Limits
3558663	Turbidity	2014/04/01	<0.2	NTU	NC	20	100	85 - 115
3558664	Total Suspended Solids	2014/04/01	<1	mg/L	11.5	25	100	85 - 115

N/A = Not Applicable

RPD = Relative Percent Difference

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.



Validation Signature Page

Maxxam Job #: B451062		

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Brad Newman, Scientific Specialist

Mayyam has precedures in place to quard against improper use of the electronic signature and have the r

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Your Project #: 12-1151-0155 Site#: 12-1151-0155 Site Location: COVANTA

Your C.O.C. #: 40712002, 407120-02-01

Attention: Steve Auger Golder Associates Ltd 140 Renfrew Dr Suite 110 Markham, ON L3R 6B3

Report Date: 2013/07/03

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B3A1602 Received: 2013/06/26, 15:20

Sample Matrix: Water # Samples Received: 8

		Date	Date		Method
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Reference
Total Suspended Solids	7	N/A	2013/06/27	CAM SOP-00428	SM 2540D
Total Suspended Solids	1	N/A	2013/07/02	CAM SOP-00428	SM 2540D
Turbidity	8	N/A	2013/06/27	CAM SOP-00417	APHA 2130B

^{*} RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Keshani Vijh, Project Manager Email: KVijh@maxxam.ca Phone# (905) 817-5700

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Total cover pages: 1

^{*} Results relate only to the items tested.



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

RESULTS OF ANALYSES OF WATER

Maxxam ID		SA9367	SA9367	SA9368	SA9369	SA9370		
Sampling Date		2013/06/25	2013/06/25	2013/06/25	2013/06/25	2013/06/25		
	Units	E-SWMP-IN	E-SWMP-IN Lab-Dup	E-SWMP-OUT	W-SWMP-IN	W-SWMP-OUT	RDL	QC Batch
Inorganics								
Total Suspended Solids	mg/L	<10	<10	<10	12	87	10	3262105
Turbidity	NTU	8.2		9.3	19	52	0.2	3262218

Maxxam ID		SA9371		SA9372		SA9373	SA9374		
Sampling Date		2013/06/25		2013/06/25		2013/06/25	2013/06/25		
	Units	SW1	QC Batch	SW2	QC Batch	SW3	SW4	RDL	QC Batch
Inorganics									
Total Suspended Solids	mg/L	81	3262105	10	3266072	28	44	10	3262105
Turbidity	NTU	28	3262218	7.7	3262218	17	20	0.2	3262218



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

Test Summary

Maxxam ID SA9367 Sample ID E-SWMP-IN

Matrix Water

Collected 2013/06/25

Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis

Maxxam ID SA9367 Dup

Sample ID E-SWMP-IN

Matrix Water

Collected 2013/06/25

Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John

Maxxam ID SA9368

Sample ID E-SWMP-OUT

Matrix Water

Collected 2013/06/25 Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis

Maxxam ID SA9369

Sample ID W-SWMP-IN

Matrix Water

Collected 2013/06/25

Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

Test Summary

Maxxam ID SA9370 Sample ID W-SWMP-OUT

Matrix Water

Collected 2013/06/25

Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis

Maxxam ID SA9371 Sample ID SW1 Collected 2013/06/25

Shipped

Matrix Water

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis

Maxxam ID SA9372

Collected 2013/06/25

Sample ID SW2 Matrix Water Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3266072	N/A	2013/07/02	Gurpreet Kaur
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis

Maxxam ID SA9373 Sample ID SW3 Matrix Water **Collected** 2013/06/25

Shipped

Received 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

Test Summary

Collected 2013/06/25

Maxxam ID SA9374 Sample ID SW4

Shipped

Matrix Water **Received** 2013/06/26

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Total Suspended Solids	SLDS	3262105	N/A	2013/06/27	Malik Kai Morgan John
Turbidity	TURB	3262218	N/A	2013/06/27	Lemeneh Addis



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

Package 1 7.3°C

Each temperature is the average of up to three cooler temperatures taken at receipt

GENERAL COMMENTS



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA Sampler Initials: LH

QUALITY ASSURANCE REPORT

			Method Blank		RP	D	QC Standard	
QC Batch	Parameter	Date	Value	Units	Value (%)	QC Limits	% Recovery	QC Limits
3262105	Total Suspended Solids	2013/06/27	<10	mg/L	NC	25	98	85 - 115
3262218	Turbidity	2013/06/27	0.3, RDL=0.2	NTU	10.9	20	97	85 - 115
3266072	Total Suspended Solids	2013/07/02	<10	mg/L	1.7	25	97	85 - 115

N/A = Not Applicable

RDL = Reportable Detection Limit

RPD = Relative Percent Difference

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.



Validation Signature Page

Maxxam Job #: B3A1602

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Ewa Pranjic, M.S., C.Chem, Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Your Project #: 12-1151-0155

Site#: 12-1151-0155

Site Location: DYEC-SW PROGRAM Your C.O.C. #: 30157002, 301570-02-01

Attention: Steve Auger Golder Associates Ltd 140 Renfrew Dr Suite 110 Markham, ON L3R 6B3

Report Date: 2013/07/03

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B3A4626 Received: 2013/07/02, 13:50

Sample Matrix: Water # Samples Received: 2

		Date	Date		Method
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Reference
TPH (Heavy Oil) (1)	2	2013/07/02	2013/07/02	CAM SOP-00326	SM 5520F

- * RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
- * Results relate only to the items tested.
- (1) Note: TPH (Heavy Oil) is equivalent to Mineral / Synthetic Oil & Grease

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Keshani Vijh, Project Manager Email: KVijh@maxxam.ca Phone# (905) 817-5700

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 1



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: DYEC-SW PROGRAM Sampler Initials: JH

RESULTS OF ANALYSES OF WATER

Maxxam ID		SC2918	SC2919		
Sampling Date		2013/06/28 19:35	2013/06/28 19:30		
	Units	SWMP-E-IN INSIDE	SWMP-E-IN OUTSIDE	RDL	QC Batch
Petroleum Hydrocarbons					
Total Oil & Grease Mineral/Synthetic	mg/L	15	<1.0	1.0	3266192



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: DYEC-SW PROGRAM Sampler Initials: JH

Test Summary

Maxxam ID SC2918

Collected 2013/06/28

Sample ID SWMP-E-IN INSIDE

Shipped

Matrix Water

Received 2013/07/02

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
TPH (Heavy Oil)	BAL	3266192	2013/07/02	2013/07/02	Amjad Mir

Maxxam ID SC2919

Collected 2013/06/28

Sample ID SWMP-E-IN OUTSIDE

Shipped

Matrix Water

Received 2013/07/02

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst	
TPH (Heavy Oil)	BAL	3266192	2013/07/02	2013/07/02	Amjad Mir	



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: DYEC-SW PROGRAM Sampler Initials: JH

Sampler initials. Jn

Package 1 9.3°C

Each temperature is the average of up to three cooler temperatures taken at receipt

GENERAL COMMENTS

O&G: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: DYEC-SW PROGRAM Sampler Initials: JH

QUALITY ASSURANCE REPORT

		Spiked Blank		Method Blank		RPD		
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	Units	Value (%)	QC Limits
3266192	Total Oil & Grease Mineral/Synthetic	2013/07/02	97	85 - 115	<0.50	mg/L	2.6	25

N/A = Not Applicable

RPD = Relative Percent Difference

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.



Validation Signature Page

Maxxam	Job #:	B3A4626				

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Cristina Carriere, Scientific Services

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Your Project #: 12-1151-0155

Site#: 12-1151-0155

Site Location: COVANTA/OIL SPILL Your C.O.C. #: 42628201, 426282-01-01

Attention: Steve Auger Golder Associates Ltd 140 Renfrew Dr Suite 110 Markham, ON L3R 6B3

Report Date: 2013/07/08

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B3A5686 Received: 2013/07/03, 11:15

Sample Matrix: Water # Samples Received: 2

		Date	Date		Method
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Reference
TPH (Heavy Oil) (1)	2	2013/07/08	2013/07/08	CAM SOP-00326	SM 5520F

- * RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
- * Results relate only to the items tested.
- (1) Note: TPH (Heavy Oil) is equivalent to Mineral / Synthetic Oil & Grease

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Keshani Vijh, Project Manager Email: KVijh@maxxam.ca Phone# (905) 817-5700

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 1



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA/OIL SPILL Sampler Initials: NG

RESULTS OF ANALYSES OF WATER

Maxxam ID		SC7379	SC7380					
Sampling Date		2013/07/02 14:00	2013/07/02 13:55					
	Units	E-SWMP-IN-INSIDE	E-SWMP-IN-OUTSIDE	RDL	QC Batch			
Petroleum Hydrocarbons								
Total Oil & Grease Mineral/Synthetic	mg/L	<0.50	<0.50	0.50	3271725			



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA/OIL SPILL Sampler Initials: NG

Test Summary

Maxxam ID SC7379

Collected 2013/07/02

Sample ID E-SWMP-IN-INSIDE

Shipped

Matrix Water

Received 2013/07/03

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
TPH (Heavy Oil)	BAL	3271725	2013/07/08	2013/07/08	Amjad Mir

Maxxam ID SC7380

Collected 2013/07/02

Sample ID E-SWMP-IN-OUTSIDE

Shipped

Matrix Water

Received 2013/07/03

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst	
TPH (Heavy Oil)	BAL	3271725	2013/07/08	2013/07/08	Amiad Mir	



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA/OIL SPILL

Sampler Initials: NG

Package 1 7.0°C

Each temperature is the average of up to three cooler temperatures taken at receipt

GENERAL COMMENTS



Golder Associates Ltd Client Project #: 12-1151-0155 Site Location: COVANTA/OIL SPILL Sampler Initials: NG

QUALITY ASSURANCE REPORT

		Spiked Blank Method Blank RPD		Spiked Blank		iked Blank Method Blank		
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	Units	Value (%)	QC Limits
3271725	Total Oil & Grease Mineral/Synthetic	2013/07/08	95	85 - 115	<0.50	mg/L	3.2	25

N/A = Not Applicable

RPD = Relative Percent Difference

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.



Validation Signature Page

Maxxam Job #: B3A5686

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Ewa Pranjic, M.S., C.Chem, Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Your Project #: 12-1152-0155

Site#: 12-1152-0155

Site Location: DYEC-SW PROGRAM Your C.O.C. #: 41637403, 416374-03-01

Attention: Steve Auger Golder Associates Ltd 140 Renfrew Dr Suite 110 Markham, ON L3R 6B3

Report Date: 2013/07/10

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B3B0270 Received: 2013/07/10, 15:26

Sample Matrix: Water # Samples Received: 2

		Date	Date		Method
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Reference
TPH (Heavy Oil) (1)	2	2013/07/10	2013/07/10	CAM SOP-00326	SM 5520F

- * RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
- * Results relate only to the items tested.

(1) Note: TPH (Heavy Oil) is equivalent to Mineral / Synthetic Oil & Grease

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Keshani Vijh, Project Manager Email: KVijh@maxxam.ca Phone# (905) 817-5700

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 1



Golder Associates Ltd Client Project #: 12-1152-0155 Site Location: DYEC-SW PROGRAM

Sampler Initials: DW

RESULTS OF ANALYSES OF WATER

Maxxam ID		SE8431	SE8432		
Sampling Date		2013/07/10 09:20	2013/07/10 09:20		
	Units	SWMP-E-IN INSIDE	SWMP-E-IN OUTSIDE	RDL	QC Batch
Petroleum Hydrocarbons					
Total Oil & Grease Mineral/Synthetic	mg/L	<0.50	<0.50	0.50	3275179



Golder Associates Ltd Client Project #: 12-1152-0155 Site Location: DYEC-SW PROGRAM

Sampler Initials: DW

Test Summary

Maxxam ID SE8431

Collected 2013/07/10

Sample ID SWMP-E-IN INSIDE

Shipped

Matrix Water

Received 2013/07/10

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
TPH (Heavy Oil)	BAL	3275179	2013/07/10	2013/07/10	Francis Afonso

Maxxam ID SE8432

Collected 2013/07/10

Sample ID SWMP-E-IN OUTSIDE

Shipped

Matrix Water

Received 2013/07/10

Te	est Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
TF	PH (Heavy Oil)	BAL	3275179	2013/07/10	2013/07/10	Francis Afonso



Golder Associates Ltd Client Project #: 12-1152-0155 Site Location: DYEC-SW PROGRAM

Sampler Initials: DW

Package 1 9.0°C

Each temperature is the average of up to three cooler temperatures taken at receipt

GENERAL COMMENTS



Golder Associates Ltd Client Project #: 12-1152-0155 Site Location: DYEC-SW PROGRAM Sampler Initials: DW

QUALITY ASSURANCE REPORT

			Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	Units	Value (%)	QC Limits
3275179	Total Oil & Grease Mineral/Synthetic	2013/07/10	97	85 - 115	<0.50	mg/L	2.1	25

N/A = Not Applicable

RPD = Relative Percent Difference

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.



Validation Signature Page

Maxxam Job #: B3B0270

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.





E-3 In Situ Measurements



Scott brazeou.

SURFACE WATER SAMPLING RECORD FORM



Steve

Pr	oject Numbe	r: 12-113		S			Date: Ma	4 315+ , 2013
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	Dissolved			Redox	<u> </u>			
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	Odour:_			<u>-</u>				
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	Dissolved	Conductivity	рН	Redox	Temperature			ب ود سند		
Time	Oxygen mg/L.	mS) or μS	pH Units	Potential mV	°C °C	Turbidity	Colour		Oda	ur
11:07		0.70	8.07		17.4	15.8	Clear.		None.	
	NG RECOR				The second secon	شباسما الذيب زمينك	* ************************************	-		
	7		l l	1	<u> </u>	<u> </u>			2	
-	oling Method:		- by ha	vcl ·	-		Sample ID:			
	ample Depth:				-	Dup tak	en? / Dup ID:	Sw.	2 Dup	
Tir	ne Sampled:				-					
Sample A	Appearance: Colour:						Turbidity: (o	<u></u>	4 4 8 4	
	Odour:		11		•		rurbidity: Lo	W/ WEGI	um / High	
Cample C		Preservation:			•					
Sample C	Antainer and	LIERGIASTION:							2.	
					·					
										
er , majorgen a de							· 			
e mail come										
Weather	Conditions:	Temperature:								
	Current	Precipitation:	_				27			
Draci		st 24 / 48 hrs:	- 1	ud. L			1 1			
			t.	د> ۱۵ ۲ ای	vigs, or	gonic a	NOV7			
Notes:		<u>^</u>	Sie	, no f	oan.					
										



			######################################				10	بينسيسين روييب	
Proj		12-115		5			Date:_	May	3151 201
		: <u>Coyan</u> : <u>Clarin</u>					Sampled By: _	Dessi	ca. Kyle
5	ite Location	" CILLO	gron	-					
ITÉ DA	TA .					energy of the second		a attache	
		Time	12:0	Υ.		⊷e . : 2°, ε,ς μ' <u>ε</u> , μ'	Location ID	- Harris	
	Surveyed	reference point		<u>. </u>	1		COORDINATION INC.	21	<i>N</i> 3
Wate		Staff Gauge (m)			-				
7740		ream Width (m)	-		1	×	Logge	r Number	
	30		-	. 6	-		Loger Down	load Time	
		Stagnant	-	/ Na			Phot	os Taken	Yes Y No (#
		Flow Rate	Phigh	flow ra	he »		Photo	Location	0
e e manere	v metes tan		U						
MPLR	G PARAN	EJER				2 = 1/23 3			
lime	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colou	,	Odour
2:00		0.92	8.26		18.9	4.67	Non		More.
APPROXIMATION OF THE PARTY NAMED IN									
	ett i mensterren ti		THE PERSON OF STREET			Loevo			
	G RECOR		0/	7.5 4.5	7				
Samplir	ng Method:		Pole	1.3W.3.5	7/		Sample ID:	Sw	
Samplir			Pole					Sw	
Samplir Sam	ng Method:	Grab -	Pole				Sample ID:	Sw	
Samplir Sam Time	ng Method: ple Depth: Sampled: pearance:	Grab -	Pole				Sample ID:en? / Dup ID:	5w:	Dup
Samplir Sam Time	ng Method: ple Depth: Sampled: pearance: Colour:	Grab -	Pole				Sample ID:	5w:	
Samplir Sam Time	ple Depth: Sampled: Colour: Odour:	Grab -	Pole				Sample ID:en? / Dup ID:	5w:	Dup
Samplir Sam Time	ple Depth: Sampled: Colour: Odour:	Grab -	Pole				Sample ID:en? / Dup ID:	5w:	Dup
Samplir Sam Time	ple Depth: Sampled: Colour: Odour:	Grab -	Pole				Sample ID:en? / Dup ID:	5w:	Dup
Samplir Sam Time	ple Depth: Sampled: Colour: Odour:	Grab -	Pole				Sample ID:en? / Dup ID:	5w:	Dup
Samplir Sam Time	ple Depth: Sampled: Colour: Odour:	Grab -	Pole				Sample ID:en? / Dup ID:	5w:	Dup
Samplir Sam Time	ple Depth: Sampled: Colour: Odour:	Grab -	Pole				Sample ID:en? / Dup ID:	5w:	Dup
Samplir Sam Time nple App	ple Depth: ple Depth: Sampled: pearance: Colour: Odour: ntainer and	Grab -	Pole				Sample ID:en? / Dup ID:	5w:	Dup
Samplin Sam Time Inple App	ple Depth: ple Depth: pearance: Colour: Odour: Ittainer and	Grab -					Sample ID:en? / Dup ID:	5w:	Dup
Samplin Sam Time Inple App	ple Depth: ple Depth: pearance: Colour: Odour: ntainer and	Preservation:		5°c.			Sample ID:en? / Dup ID:	5w:	Dup
Sample Sam Time nple App	ple Depth: ple Depth: pearance: Colour: Odour: ntainer and	Grab -					Sample ID:en? / Dup ID:	5w:	Dup
Sampler Sam Time nple App nple Cor	ple Depth: ple Depth: Sampled: pearance: Colour: Odour: Italiner and	Preservation:					Sample ID:en? / Dup ID:	5w:	Dup
Samplir Sam Time mple App mple Cor	ple Depth: ple Depth: pearance: Colour: Odour: ntainer and TIONS conditions: Current	Preservation: Temperature: Precipitation:	2	5°c .		Dup tak	Sample ID:en? / Dup ID:	5w:	Dup
Samplir Sam Time mple App mple Cor serva	ple Depth: ple Depth: pearance: Colour: Odour: ntainer and TIONS conditions: Current	Preservation: Temperature: Precipitation:	2	5°c .	y Skream	Dup tak	Sample ID:en? / Dup ID:	5w:	Dup
Samplir Sam Time nple App nple Cor	ple Depth: ple Depth: pearance: Colour: Odour: ntainer and TIONS conditions: Current	Preservation: Temperature: Precipitation:	2	5°c .		Dup tak	Sample ID:en? / Dup ID:	5w:	Dup



		ر در					
oject Numbe	r. 12-115	1-015	5				May 3151 2013
			_				essica Kule
Site Location	: Clarin	glon	-				
NTA .		V. ng ir					
			an.			Location ID	5w4
Surveyed	reference point						
er Depth at	Staff Gauge (m)	~ 81-1	10"			Logger N	umber
St	ream Width (m)	1.5n	1			Loger Download	Time
<u>.</u>	Stagnant					Photos 1	Taken (Yes No (#)
<u> </u>	Flow Rate	med fl	0W·			Photo Lo	cation
NG PARAL	ETER	en takt e		45 7 TO THE	7		
Dissolved Oxygen mg/L	Conductivity	pH stinU Ha	Redox Potential mV	Temperature	Turbidity	Colour	Odour
	0.86	8.16		17.7	5.15	Non	Non
ing Method: mple Depth: e Sampled: ppearance: Colour: Odour:	Grab		nd .		Dup tak	<u></u>	
Current	Precipitation:			o an lam	(5 *	2	
	Surveyed er Depth at St Surveyed er Depth at St NG PARA Dissolved Oxygen mg/L Colour: Colour: Colour: Colour: Conditions: Current station of pass	Client: CO ON Site Location: Claria Time Surveyed reference point er Depth at Staff Gauge (m) Stream Width (m) Stagnant Flow Rate Dissolved Oxygen mg/L Oxygen mg/L Oxygen conductivity ms or µs ing Method: Gray ing Method: Gray colour: Odour: conductivity ms or µs conditions: Temperature: Current Precipitation: itation of past 24 / 48 hrs: itation of past 24 / 48 hrs:	Client: COVANTA Client: COVANTA Time 11:46 Surveyed reference point er Depth at Staff Gauge (m) ~ 8"-1 Stream Width (m) 1.5 m Stagnant Yes Flow Rate Mcd file NG PARAMETER Dissolved Oxygen mg/L 0.86 8.16 NG PARAMETER Dissolved Oxygen mg/L 0.86 8.16 NG PARAMETER Conductivity pH pH Units 0.86 8.16 Conductivity ph ph units 0.86 8.16	Client: Covania Claring ton Claring ton Claring ton Time 11: 46 an. Surveyed reference point er Depth at Staff Gauge (m) ~ 8"-10" Stream Width (m) 1.5 m Stagnant Yes / (No) Flow Rate Med flow NG PARAMETER Dissolved Oxygen mg/L O.86 8.16 Conductivity pH Potential mv O.86 8.16 RECORD Ing Method: Grab - by hand. Inple Depth: e Sampled: ppearance: Colour: Odour:	Client: CONANTA Time 11:46 a.A. Surveyed reference point er Depth at Staff Gauge (m) ~ 8"-10" Stream Width (m) 1.5 m Stagnant Yes / No Flow Rate Mcd flow. NG PARAMETER Dissolved Conductivity pH PH Units mV cc O.86 8.16 17.7 Conditions: Temperature: 25°C Current Precipitation: — Interior of past 24 / 48 hrs:	Client: COVAN' A Site Location: Claring for Time 11:46 a.A. Surveyed reference point er Depth at Staff Gauge (m) ~ 8"-10" Stream Width (m) 1.5 m Stagnari Yes / No Flow Rate Wed flow. NG PARAMETER Dissolved Conductivity pH Redox Potential mV °C Turbidity myl. 0.86 8.16 17.7 5.15 17.7 5.15 186 RECORD Ing Method: Grah - by hend. Ingle Depth: Depth: Dup take sampled: Department and Preservation: STIONS Conditions: Temperature: 25°C Current Precipitation: —	Date: Color: Col



PAOJE										
Pro		12-115		5			Date:_	25 ^T	June,	2013
_		Covan		-			Sampled By: _	Jessi	a, Linc	ia
\$	SITE LOCATION:	: Clarin	9100	-						
SITE D/	TĂ.		1.0.1			energy of the second		र एक्स्ट्र		
2 2 2 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Time	ą:	20	7		Location ID		JMP-1	
	Surveyed	reference point		<i>3</i> (.	1			L 30	OPTI-1	10
Wat		Staff Gauge (m)			1					
*******		ream Width (m)		M	-	•	Logge	er Number		
					-		Loger Down	load Time		
		Stagnant	Yes	/ No	-		Phot	os Taken	Yes No (#	
		Flow Rate	<u></u> ,]		Photo	Location		
	man personal files				_					_a
RAMPL	NG PARAN	ETER								
Time	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colou	r	Od	our
9:38		0.94	6.46		23.4	21.9	Lighta	rungy	u	NORTH
Sampl	NG RECOR		ing pi	Le gra	<u> </u>	Dup tak	Sample ID:			
Sample A	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour:		ing a	Le gra	6	Dup tak		<u>Sw</u> nf	NFA	
Sample A	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour:	Sampl	ing ai	Le gra	ь. -	Dup tak	en? / Dup ID: <u>/</u>	<u>Sw</u> nf	S-MON6	
Sample A	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour:	Sampl	ing a	Le gra	6	Dup tak	en? / Dup ID: <u>l</u>	<u>Sw</u> nf	S-MON6	
Sample Sa Tirr ample A ample C	ing Method: mple Depth: me Sampled: ppearance: Colour: Odour: ontainer and	Script Preservation:				Dup tak	en? / Dup ID: <u>l</u>	Swnf	S-MON6	
Sample Sa Tirr ample A ample C	ing Method: mple Depth: me Sampled: ppearance: Colour: Odour: ontainer and	Sampl				Dup tak	en? / Dup ID: <u>l</u>	Swnf	S-MON6	
Sample Sample A Sample C	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour: container and	Script Preservation:				Dup tak	en? / Dup ID: <u>l</u>	Swnf	S-MON6	
Sample Sample A Sample C	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour: container and	Preservation: Temperature: Precipitation:					Turbidity: L	Swnf	S-MON6	mo
Sample Sample A Sample C	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour: container and	Preservation: Temperature: Precipitation:					Turbidity: L	Swnf	S-MON6	mp
Sample Sample A	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour: container and	Preservation: Temperature: Precipitation:					en? / Dup ID: <u>l</u>	Swnf	S-MON6	mp



	ject Number	12-115	1-015	5		ساء السلق سب	Date:		June, 2013
		: Covan		_			Sampled By: _	Jessia	a Linda.
8	Site Location	: Clarin	gton	7/.					
HTE DA	ITA .	د المدار (المارية) المدار (المدارة)			TO PART OF			न संस्कृतसम्बद्ध	
er i en rede	- '- a part addition	Time	9.5	D		uki. Pakadi ad		W-Sw	
	Surveyed	reference point	1.3		1			W Ju	NIF-IIV
Wat	er Depth at !	Staff Gauge (m)	ln	n	1	2/	Longi	er Number	
	St	ream Width (m)			1		Loger Down		
		Stagnant	Yes)/ No]			os Taken Ye	No (#
		Flow Rate						Location	
e go estado kaj			lge pen salapipak lilakir a						
	NG PARAN Dissolved			Redox	<u> </u>				
Time	Oxygen mg/L	Conductivity	pH pH Units	Potential mV	Temperature °C	Turbidity	Colou	'	Odour
7:5C		6.41	6.58		23.8	41,3	green/	3021	Mary
Sampl	ing Method: mple Depth:	Scap	ing p	ole gra	b	Dup tal	Sample ID: \(\frac{\bar{V}}{\text{Sen? / Dup ID: \(\frac{\bar{V}}{\text{V}}\)}		P-1N
Tim	e Sampled:	<u> </u>			<u>.</u>				
ample A	ppearance; Colour:						Tarabialita a La)
	Odour:		-		•		runolany: La	w / Medium	// riign
ample Co	ontainer and	Preservation:			•				
				· · ·					**
_									
BSERV	ATIONS .					والمستوات الم			
Veather (Conditions:	Temperature:							
		Precipitation:					9		
Precin		st 24 / 48 hrs:							
Notes:	Sam	de No	ama	al he	n wes	1 34	de ci i	MANA	instor
La	2 1	10m 1	dmin	1	GI Jos	IM	31.0	Di	CONCOLIM
10	Ocac -	edito	1	gi	701 10	4(1)	30 - 2	rump)	(por 67 301)
-uf	M 8 1 . 6	FI 1 U VSV						·	



PROJE	CT INFOR	MATION							rgo provide Dilator a superior. Del constanti del 1980	77.70
Pro	ject Numbe	r: <u>12-115</u>	1-015	5			Date:		ne 201	
	Clien	: Covan	ta	_			Sampled By:	Jessic	a. Linda	-
	Site Location	: Clarin	aton	28.				·	"	
		,	J							
SITE D/	NTA								1.	Mar Las
		Time	10:4	2.			Location ID		MP-OUT	,
	Surveyed	reference point			h				<u> </u>	
Wat	er Depth at	Staff Gauge (m)	A. 5	0148	₹′)	•	Logge	r Number		
	St	ream Width (m)		-			Loger Downle			
		Stagnant	Yes	No	1			s Taken Yes)No (#	7
		Flow Rate			1				7 140 (#	
	· · · · · ·		<u> </u>		ı		Pnoto	Location		- 2
SAMPLI	NG PARAJ	ETER				*	द र्देश कोर्क (१००)			
n companies of the	Dissolved	Conductivity	-14	Redox	Tanana and a		معشد بمحمد سه شوسه			2341 -
Time	Oxygen mg/L	ms or us	pH pH Units	Potential mV	*C	Turbidity NTU	Colour		Odour	
10:16		0.84	7.07	BOYA	23,3	20,9	com	aran	mine	
L		70 /	1.07	700 4 /	0313	00,1	1)10011/2	70-1	11:014	
Sa	ling Method:		Sam	olo _	-	Dup tak	Sample ID: E	SWMP	2-00T	
	ne Sampled: ppearance: Colour:				- 1		Turbidity L	Medium A		
	Odour:							(
Sample C	ontainer and	Preservation:			•					i.
										
										
										_
OBSERV	ATIONS					7				
Weather	Conditions:	Temperature:						and the state of t	المناهدين ويتبر المستعدد	
	Current	Precipitation:					147			
Pracis		st 24 / 48 hrs:								
Notes:_	Foge	30 30	Foan	Mater	- Alic	Hly	trustice.	d list	of SYLLO	Larry
						, , , , C.IV	- PRI CARL	- Del	Calla (VVIII)	



PROJECT INFORMATION				Same and the second	The state of the s
Project Number: 12-115	1-0155			Date: 25	June , 2013
Client: COV CAN				Sampled By:	essica, Linda
Site Location:Clarine	gton				
SITE DATA			r enjan Likipa	2 7 7 7 7 7 7 7	
Time	10:18.			Location ID W-	SWMP-OUT
Surveyed reference point		1			
Water Depth at Staff Gauge (m)	0.50 m	P	53	Logger Num	ber
Stream Width (m)				Loger Download Ti	irne
Stagnant	Yes (No)			Photos Tak	en Yes / No (#
Flow Rate				Photo Local	lion
SAMPLING PARAMETER				C COMPINED COST (Sec.	The state of the s
Time Dissolved Conductivity	pH Redox Potential	Temperature	Turbidity	Colour	Odour
mg/L msor#8"	pH Units mV	•℃	NIU		-
10:18 0.40	7.20	21.6	186	green/gree	y mas
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: Sample Container and Preservation:	_		Dup tal	Turbidity: Low / N	
AGETOWATIONS .			I posterimo a		
Weather Conditions: Temperature: Current Precipitation:		-8/11/20			
Precipitation of past 24 / 48 hrs:_					
Notes: FARGY 30	oc water	turb	id l	ish steam	19 ray in tokus
ome form obs	erred, A.	bund	md l	egetation	7
Double check	ed tursi	Nity.	-sect	not read	100 176



	19-112	1-0155	5			Date:	25th Jun	e, 2013
Client:_	Covan	ta	_			Sampled By:	Jessica	Linda
Site Location: _	Clarin	gton	· '				•	
E DATA							gradient er La la	
	Time	10:4	15] "		Location (D	SWI	
Surveyed re	erence point		_					
Water Depth at Sta	ff Gauge (m)	0.50) m		553	Logger	lumber	
Strea	m Width (m)					Loger Downlos	d Time	
<u>'</u>	Stagnant	Yes	(No)			Photos	Taken Yes	No (#
	Flow Rate]		Photo L	ocation	
	-		Charles and a	i Marija kristorijan mendal	كاداب وبناهياته والإسور	د درستانه دمغلطهارشد آروش	- Section of the	
Dissolved ,	Conductivity	pH	Redox	Tompounture				
Time Oxygen	ms or us	pH Units	Potential mV	Temperature °C	Turbidity NT4	Colour		Odour
1043	.63	6.96		21,0	101	great ar	een	mans
7 pp 26 2000 - 2000 - 2000 - 20 - 2000 - 20 - 2000 - 20 - 2000 - 2	gras	San	rplo	-	Dup tak	Sample ID:	SWI	ουρ
Sample Depth: Time Sampled: mple Appearance: Colour:			nplo	-		Sample ID:	<u>5W1-1</u>	
Sampling Method:			rplo	-		Sample ID:	<u>5W1-1</u>	
Sampling Method:			rplo			Sample ID:	<u>5W1-1</u>	
Sampling Method: Sample Depth: Time Sampled: mple Appearance: Colour: Odour: mple Container and Property Conditions: SERVATIONS			rplo			Sample ID:	<u>5W1-1</u>	
Sampling Method: Sample Depth: Time Sampled: Time Sampled: Time Sampled: Tolour: Odour: Odour: Inple Container and Properties of the Container and Properties	eservation:		rplo C	- N		Sample ID:	<u>5W1-1</u>	
Sampling Method: Sample Depth: Time Sampled: mple Appearance: Colour: Odour: mple Container and Property Servations reather Conditions:	reservation:		rplo C	light,		Sample ID:	<u>5W1-1</u>	
Sampling Method: Sample Depth: Time Sampled: mple Appearance: Colour: Odour: mple Container and President Conditions: Current Precipitation of past	reservation:		C C C Cuses	light a		Sample ID:	<u>5W1-1</u>	
Sampling Method: Sample Depth: Time Sampled: mple Appearance: Colour: Odour: mple Container and Prince SERVATIONS Geather Conditions: Te	reservation:		rplo C y / h	light was a		Sample ID:	<u>5W1-1</u>	
Sampling Method: Sample Depth: Time Sampled: mple Appearance: Colour: Odour: mple Container and President Conditions: Current Precipitation of past	reservation:		chses	light a		Sample ID:	<u>5W1-1</u>	



PROJE	CT INFOR	MATION	ومرسست مورموس				والمراسعة عالم فالمعاشر			
Pro		r: 12-115		5			Date: 25 June, 2013			
		# Conor		_			Sampled By:	Je	ssica Linda	
	Site Location	: Clarin	gton	16						
Pi-sammer et a	e e pare en promongo	المساورة والمساورة					_0			
SITE D/	ATA									
		Time	1 lv	50	_		Location ID	5	ယ2	
	Surveyed	reference point	<u> </u>							
Wat	er Depth at	Staff Gauge (m)	3"		ļ	180	Locaer	Number		
	St	ream Width (m)	10	η]		Loger Downloa			
		Stagnant	Yes	No	1				Yes / Plo (#	
		Flow Rate]				100/10/8	
					ı		Photo L	ocation		
SAMPLE	ng Parai	IETER .	10.75				n in the second second			
	Dissolved	Conductivity	ρH	Redox	Tamasastura				ئيران المنطوع المستعددات المستواجعة	
Time	Oxygen mg/L	ms or us	pH Units	Potential mV	*C	Turbidity NTU	Colour		Odour	
11:00		0.74	7.01		18.6	13.9	clear		mmo	
			THE PERSON NAMED IN COLUMN	المراجعة المراجعة	داد دستا معاملات و سنعما		TO STATE OF STATE OF THE STATE	*******		
dame, spirit	NO RECO		The sales of the latest of the		,	100				
Sampl	ling Method:	9006	Sam	you	-		Sample ID:	<u>5w</u>	2	
Sar	mple Depth:				•	Dup tak	en? / Dup ID:	<u>Sw:</u>	2-Dup	
Tim	e Sampled:				•				,	
Sample A	ppearance:									
							Turbidity: Low	/ Medi	um / High	
	Odour:		*							
Sample Co	ontainer and	Preservation;							12	
			·							
OBSERV	ATIONS				ilam il				and the second second second	
Weather (Conditions:	ليتركيك برودان بمجدودات		رونت _{ار} یشماهد دستا ۱	-X		i de <u>La companya de la companya de la co</u>		Anna Maria M	
		Temperature: _	30							
	Current	Precipitation:	rog	94			5			
Precip	itation of pa	st 24 / 48 hrs: /	Heave	1/81	15hf					
Notes:	4191	A Mari	1 X	00/1	Victor	dans	0 11001	o fort	tim	
Ma de	dos	1	Fin		VIV. EX	1	- Jage	3 600)	
	wyce	11/10	1001	m						
										



PROJE	CT INFOR	MATION	ر					الله المساورة المراورة المراوية الأسراء المراورة المالية. الله المساورة المراورة المراوية الأسراء المساورة		
		12-115					Date: 25 Time, 2013			
		: Covan		_			Sampled By:	essica linda		
;	Site Location	: <u>Clarin</u>	aton	<u>.</u>				,		
		`	J							
SITE D	ATA		1 100	11	وبدر والمراجعة	and the second				
		Time	11 10	50			Location ID S	w3		
	Surveyed	reference point								
Wat	ter Depth at 8	Staff Gauge (m)	1.5,	77 \			Logger Numbe			
	St	ream Width (m)		7-242	1					
		Stagnant	Yes No		1		Loger Download Time Photos Taken			
		Flow Rate			1					
L					J		Photo Location	1		
PAME!	NG PARAL	5150	والمراز والمراسات		<u> </u>		s a miles som a member	The state of the s		
-	Dissolved			Redox	Carlotte A. T.	<u> </u>		والمراد والمساورة والمراد		
Time	Oxygen mg/L	mS or µS	pH pH Units	Potential mV	Temperature °C	Turbidity NTU	Colour	Odour		
11:8		9.86	7.53		19.1	66.1	brown/gray	mml		
	two companies						7-7			
SAMPLI	NO RECOR									
Samp	ling Method:	Gras 1	2011 Si	angli	M		Sample ID: SW	3		
Sa	mple Depth:	• • •		V		Dun tek	en?/Dup ID: SW			
Tie	ne Sampled:				•	m ap total		3-000		
Sample A	ppearance: Colour:						Turbidity: Low / Med			
	-						reloidity. LOW / MIGO	ium / High		
	_									
Sample C	container and	Preservation:						W 10		
OBŠERV	ATIONS	अस्तराहरू राज्य				ri pereligi	معدمه تسترك أنضمت والالكارة ومدادرات			
ल क्राज्य च्या स	Conditions:	فيستركسك بالمتحضودة		التعينكمتك ويدا. معرض	#:: <u></u>	<u></u>	· ····································	The same of the sa		
77044101		Temperature:	_30	, C''						
	Current	Precipitation:	over	cast						
Proofe	oltation of pag	(A) 40 hm.	horas	1100	11					
rieup	Matter of pay	1 .4 nrs:_	- Line	1	Carl 1	Y	1 - 1	4 /		
Notes:_	Ng	101	DIOU	19 1	43/11	MIN	Water 1	TAUM IGREY		
Im	esta	n.d	ense	Ness	tat in	1 0				
				J						



PROJECT INFOR					1	را دارس دو و دو دو			
	m <u> 12-115</u>		5			Date: 25 Time 2013			
	t: Covan		-			Sampled By:	Jessic	a Linda	
SITE DATA	n: Clarin	ghon						a mind and an array of the second	
	Time	11:2	25.		1/	Location ID	Six		
Surveyed	reference point]					
Water Depth at	Staff Gauge (m)	1.5	m			Loggèr	Number		
S	tream Width (m)	31	m			Loger Downlo	oad Time		
	Stagnant	Yes	(No)			Photo	s Taken Y	es / No (#)	
	Flow Rate]		Photo	Location		
BAMPUNG PARA	FIER 3				775	in hann seden in inc.			
Time Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour		Odour	
11:25	0.82	7.33		19,0	84.8	boarn/	9504	mme	
Sampling Rethod: Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: Sample Container and	Sample ————————————————————————————————————		أعظار بالبيطة أوسطانا			Sample ID: en? / Dup ID: Turbidity: Low		- Oup	
OBSERVATIONS Weather Conditions: Current Precipitation of pa Notes: San	Temperature: Precipitation: st 24/48 hrs: Cay	30 Fd99,	"C Gy/m Greey	risty 16m	n in	colous	1, (/01	y funbid	



PROJE	CT INFORI	MATION	3, 34					والمساوات والمناج والمناطقة
Pro	oject Number	: 12-115	1-015	5			Date: July	22 2013
	Client	: Covan	ta				Sampled By:	22 2013
5	Site Location	:_Clarin	gton	95				
rus turner at the	1.0 10 1000							
SITE D/		<u> </u>			<u></u>	_8. 2. 2. 2		The all the state of
		Time	133	0.]		Location ID	SWI
	Surveyed	reference point			7			
Wat	er Depth at S	Staff Gauge (m)	~ 30cm)	7	94	I again N	
		ream Width (m)			1		Logger Numb	
		Stagnant		No No	†		Loger Download Tin	
	<u> </u>	Flow Rate	,	,	-		Photos Take	7 Yes / No (#)
			12W]		Photo Location	on
QAUDI I	NG PARAN	FTER T	লুকা সকলে। সম	THE STREET	مان د شار المانية عالم عالم المانية عالم المانية المانية المانية المانية المانية المانية المانية المانية المان المانية المانية	ala sara Sam	and the section of the control of th	
	Dissolved			Redox	<u> </u>		Talley and all the strikes	<u> </u>
Time	Oxygen mg/L	Conductivity (mS) or μS	pH pH Units	Potential mV	Temperature °C	Turbidity NTU	Calour	Odour
1330	/	0.67	TAMBO S		241.9	9.10	clear	N
			7.25	_	135			
SAUPLI	ng recor	D				4.5		
Sampi	ling Method:	_po	<u>6.</u>		-		Sample ID: SU	<u> </u>
Sa	mple Depth:	_ Sul	thee -		_	Dup tak	en?/Dup ID: Su	1 .0up
Tirr	ne Sampled:	1330	2		_			
Sample A	ppearance:	. /	Per				~	
	Colour:	04	ew_		-		Turbidity: Low Me	edium / High
	Odour:				-			
Sample C	ontainer and	Preservation:			,			Y
	4x 1	Slastie	41	n prese	mes.			
				/				
OBSERV	ATIONS .		S to the					
Weather	Conditions:							الإسباء التناوميسكو فيدر ووي أأر المربوس المؤسس مقاومات
		Temperature:				-		
	Current	Precipitation:_				•		
Frecip	oltation of pa	st 24 / 48 hrs:_						
Notes:_						·		
					L.			



PROJE	CT INFOR	MATION	ورست مراود					
Pro		<u> 12-115</u>		5			Date: Ju	122 2013
		t: Covan		_			Sampled By:	Devon+ BrE
1	Site Location	" Clarin	gton	-				
SITE D	ATA .	- WEST :	The State of the		T. 1075		NET 107 - 172	TOTAL STATE AND ASSESSED TO THE SERVICE
	of the continues	Time	1510		7	and and and and	Location ID <	0
	Surveyed	reference point	- / -	·	1		Cocanon in	<u>iw</u> ,2
Wat		Staff Gauge (m)		-611	1			
		ream Width (m)	12.7	in	-	2	Logger Numb	
		Stagnant	Yes	Ng	1		Loger Download Tim	10
-		Flow Rate	01	ماري	+		Photos Take	n Yes / No (#
			74	ow_	J		Photo Location	on
BAUPU	NG PARA	EJER .		Balan Ba		eg teg işre		
	Dissolved	Conductivity	рН	Redox	Temperature			
Time	Oxygen mg/L	ms or µs	pH Units	Potential mV	°C	Turbidity	Colour	Odour
1510		0.59	7.80		21.4	15.37	c/ar	
(e Kilof)	NG RECOF					المعارضة المتعارضة		
	ling Method:	AA	U		- 1 di 1	a distribution	<u> </u>	
•	•	11	vfuc	0	-			0.2
	mple Depth: ne Sampled:	1 1	70	1	-	Dup tak	en?/DupID:Su	LOUP
	,		1 1 0		•			
Sample A	ppearance: Colour:		ev.				Turbidity: Low Me	dium / High
	Odour:	<u>.</u>	25					· ·
Sample C	ontainer and	Preservation:	1	_		/		2:
	4x	Dlas	tie	und	reserve	€.		
OBŠERV	ATIONS							
Weather	Conditions:						1	
		Temperature:						
Dec1-		Precipitation:						
		st 24 / 48 hrs:_						
Notes:_		······································			·			



PROJE	CT INFOR	MATION		5 10		(درات جا فا سائلاً سرر داستدا درات	Assuciates
		r. 12-115		5	eteratura (n. 1921), eteratura (he	السادة المشتادة الساد	Date: 4	4 22 2013
	Site Location	-		ā.			Sampled By//	CHANGELLE
SITE D	ATA	1 1 1 1 2 1 2 1				ساء سن ان کار		TDAME, intermedial colonyales
	··· ··· ··· ··· ······················	Time	1415		<u> </u>			
-	Simound	reference point		·	-		Location ID	w.3
1860		Staff Gauge (m)		- V	-			
***			- 1	2"	-	9	Logger Numbe	ir .
		ream Width (m)	0-0	M	-		Loger Download Time	
		Stagnant		/ (No)	-		Photos Taken	Yes / No (#
L		Flow Rate	Me	d'			Photo Location	n
Sampl	NG PARA	ETER .	707 mage (277 254 x	6.384	regiment we	atr		
	Dissolved	Conductivity	ρΗ	Redox	Temperature			
Time	Oxygen mg/L	mS or μS	pH Units	Potential mV	°C .	Turbidity	Colour	Odour
1415		1.27	7.38		22.3	5,92	cler.	
	NG RECOF	-	The many trees					
Marador Mir (Sc.	ling Method:	2 10	-			description of the second	<u> </u>	2
·	mple Depth:		Hace.		•	_	Sample ID: SW	
	ne Sampled:	1.5	1- Jack			Dup tak	en? / Dup ID: SW	Dup
			/		•			
Sample A	ppearance: Colour:		leer.		•		Turbidity Low) Med	Jium / High
	Odour:		<u>v</u>				-	
Sample C	ontainer and	Preservation:	11	0.0	cours A	/	10	160
	- (1	Plas	TIC	unpr	eserved			
		2 GONT	(8)	<u> </u>				
						· · · · · ·	· · · · · · · · · · · · · · · · · · ·	
OBSERV	ATIONS .	The Contraction						
7	Conditions:					<u></u>		
		Temperature: _						
	Current	Precipitation:						
Predi	pitation of pa	st 24 / 48 hrs:_						
Notes:_							-	
		~						
								
						. <u> </u>		



	CT INFOR										
Pr		<u> 12-115</u>		5			Date: 4u	422 2013			
		: Covan		-			Sampled By:	evan t. thi			
	Site Location	: Clarin	ghon	-	·						
SITE D	ATA	شند شه دهده				بريد د المدالة القابلة					
		Time	144	0.]		Location ID	w. 4			
		reference point			-						
Wa		Staff Gauge (m)	1			92	Logger Numbe	•			
<u> </u>	St	ream Width (m)	. /				Loger Download Time				
		Stagnant		(No			Photos Taken	Yes INo (#			
L		Flow Rate	Me	w.]		Photo Location				
SANPL	ng Param	EJER .		2.3.							
Time	Dissolved Oxygen mg/L	Conductivity mS or μS	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour	Odour			
1400	/	1.08	7.57		21.6	4.67	cleav.				
Sample A Sample C OBSERV Weather	Sample Depth: Swhw. Sample Depth: Swhw. Time Sampled: Medium / High Odour: Sample Container and Preservation: Sample Container and Preservation: Temperature: Current Precipitation: Frecipitation of past 24 / 48 hrs:										
Noles:											



	CT INFOR							
Pro		12-115		5			Date: July	22 2013
	Client	: Covan	ta	_			Sampled By: De	von .
;	Site Location	: Clarin	aton	9				
SITE D	ATA				J. 19.31	in with		COLUMN TO THE STREET AND THE STREET
		Time	125	7		سيد آبيوا داد د د الاست	Location ID E - S	1.3MAP - #14
	Surveyed	reference point		· .	1			WINT PAGE
Wa	ter Depth at S	Staff Gauge (m)				6)	Logger Numbe	
	Str	ream Width (m)	POND)			Loger Download Time	
	<u></u> _	Stagnant	Yes	No			Photos Taken	
		Flow Rate	N	one:]		Photo Location	
g Livery Landston L.		-	The second second	THOUGH CHANGE	=	T # # 7 c 2 c		
SAMPL	NG PARAN	FIFE						
Time	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity Ar To	Colour	Odour
1250	/	0.75	8.53	/	25.2	26.64	slight milky	N
Sample A Sample C Sample C Weather	ATIONS Conditions: Current	Slighty N Preservation: 1874 1011	Face D Itrace Mill No pol Was	dis	-K	je di (Sample ID: Swien? / Dup ID: Swien? / Dup ID: Swien? / Medity: Low / Medi	llum / High



	CTINFOR							ASSULATES
Pro		r: 12-115		5			Date: July	22 2013
		" Covan		_			Sampled By:	vont-Eric
1	Site Location	" Clarin	g ton	- 8				
SITE D	ATA		1 2 10 16					[[]]
		Time	134	5	7		Location ID & S	MP-0.
	Surveyed	reference point			1			WING OUT
Wat	ter Depth at	Staff Gauge (m)	111 -	7 4	1			
	St	ream Width (m)	-	-	-		Logger Number	
		Stagnant		/ No	1		Loger Download Time	1
		Flow Rate		616			Photos Taken	/res / No (#)
L			-6	to the	J		Photo Location	
SAUPU	NG PARAL	ETER .	50.4		_	7		
Time	Dissolved Oxygen	Conductivity	pН	Redox Potential	Temperature	T-1186		The second secon
	rng/L	ms or µs	pH Units	mV	•℃	Turbidity	Colour	Odour
1345		0.42	745		249	180	1 brown	1
ekubh	NG RECOR							
	ling Method:		6	4 4 4 4 5 5 5		Call.	T.S.	
·	mple Depth:		hee.		•	_	Sample ID: E-SW	
	ne Sampled:	134	5		•	Dup tale	en?/Dup ID: SW	Oup
	opearance:	,	′		-			
Sample A	Colour:	DVBO	NN.		<u>.</u> 1		Turbidity: Low / Medi	um / High
	Odeur:							1 -1
Sample C	ontainer and	Preservation:		presen	COS.		а	*
	brow	13.4	ren	mille				
	2770	<u> </u>	-] 			
					<u> </u>			
DESERV	ATIONS		5 7 1844	TE ME TO L			and the same and t	
Weather	Conditions:					an prince and the	•	
		Temperature:_						
		Precipitation:_						
Precip	oitation of pas	st 24 / 48 hrs:_						
Notes:_							· 	
								
				···-				



PROJECT INFORM	ATION "			المعارب المعارب	الرسيس الم	Career or great thinking the real	Associat	28
Project Number:	مورود تعادل والدراج والما	market complete a ten				Date: Jul	22 200	
	Covan		*			Sampled By:	1 2 201	5
Site Location:	Clarin	aton						
<u>anna (a) a cur</u> a (l'e) primeren	والمدور والمدارة أرافع والمحاومة				The order and the second			
TE DATA	نبيد الشأو معوب		<u> </u>		يند سيخد الاستعاد			7
	Time	1305]		Location ID W - S	W.MP-IN	/
Surveyed 1	reference point							
Water Depth at S	taff Gauge (m)	_		7	1.07	Logger Number		-
Stre	eam Width (m)	PON	1)	1		Loger Download Time		_
	Stagnant	Yes	/ No	1				
 	Flow Rate	41		1		Photos Taken	Yes (No (#	_1
		1 4		ز		Photo Location		_
Marke syry	ETER.	14.0						
Dissolved	Conductivity	pН	Redox	Temperature				
Time Oxygen mg/L	mS or μS	pH Units	Potential mV	•℃	Turbidity NTU	Colour	Odour	
05/	0,28	8.03		24.4	310	Lightown.	N	
								_
MP ING A COR	DA				ad in the			
Sampling Method:	70(<u> </u>		-		Sample ID: W-SW		_
Sample Depth:_	<u> </u>	<u> 170/0</u>	·	-	Dup tal	ken? / Dup ID: SW	Dup	
Time Sampled: _		18/		-				
nple Appearance: Colour:	light	bya	m			Turbidity: Low / Med		
Odour:	, N			-		raibidity. Low / Mgg	rum / High	
mple Container and i	Proposition			-				
HX M	act o	1000	A	cserve	26	5	96	
Day of the	<i>λ</i>	7	holow	CSENT (11/10	0 (11/24)	1. Cardon 1	_
Dry in D	700	A True	m	MAC CA	L	The Notes	workers	
1 Don		10.10	h.	MA.	ngh	transcri	- 1004	_
	4	9111		11101			<u> </u>	
SERVATIONS :		سنيف وأسافعا كع	وبياحظين	_å,_,		i de la		
	remperature:				i.			
Current	Precipitation:_				r'			
Precipitation of pas	it 24 / 48 hrs:_							
lotes:								
			-					
				···				_
								_
K silty	wa from trash	ter cla pu	rela	ted to	o Co	ntractor direct	fungly	-
Honel	desi	chara	ed i	in N	WYK	7		



PROJE	CT INFOR	MATION	77 (F 1775) 22 (F 1775)		ار این			Associates
Pro		12-115		5		مسدار در بيانمان جوه خوم	Date: 4uly 1	2 2013
		: Covan		-			Sampled By:	PRVON+ Eric
	Site Location	" Clarin	g ton_					
SITE D	ATA							
		Time	134	5.	7		Location ID W- St	DAAP - OUT
	Surveyed	reference point			1			
Wat	ter Depth at	Staff Gauge (m)	111-	2.11	1	(6)		
	St	ream Width (m)		m	1		Logger Number	
		Stagnant	Yes)/ No	1		Loger Download Time	
		Flow Rate	1				Photos Taken	Yes No (#
					1		Photo Location	
SAUPL	NG PARA	PUER STATE				7		
Time	Dissolved Oxygen	Conductivity	РH	Redox Potential	Temperature	Turbidity	Colour	Odour
	mg/L	ms or μs	pH Units	mV ,	*C	NTU	,	
BYS		0.29	7.58		24.9	524	brann	
Sample Depth: Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: Sample Container and Preservation:					res-	Dup tak	sampte IF: N SW sen? / Dup ID: SW ↑	Ουρ
	prou	IN Ven	y 4	1) by				
	Conditions:	Temperature:			···			
Precip		Precipitation: _ st 24 / 48 hrs: _						
Notes:								
					· · · · · · · · · · · · · · · · · · ·			
								
				···	11			
								_



PROJE	CT INFOR	MATION					واسترست بالمرادة بهاجا		AND	ا م اصلا الما الم	L		
Pr		r. 12-115		5			Date: Aug 28, 2013 Compagned						
		t: Covan		_					W. Jessica H.	Combopen: for pH 4.0			
	Site Location	: Clarin	aton	-	8				- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	PH 7.0			
arre p	ATA							'জামুলাণ্ 'জামুলাণ্	and the second s	pH 7.0 and EC: 141	3 just		
		Time	9:48		7	ne so di dilejido di jo	Location ID	2 101	WMP-IN	B =			
	Surveyed	l reference poin			1		<u> </u>	V 3	Wolf Land				
Wa	ter Depth at	Staff Gauge (m)				26	Loggér	Number					
	St	ream Width (m)	-				Loger Downlo	ad Time					
Stagnant (es)/ No							Photo	s Taken	Yes No (#				
L		Flow Rate						Location	4				
					_			-0000001		•			
	No viv	RIEL D											
Time	Dissolved Oxygen mg/L	Conductivity mS or µS	pH pH Units	Redox Potential mV	Temperature °C	Turbidity Meter	Colour		Odour				
9:55	am	318HZ	8.79		24.3	235 NT	brown	ight	No podour.				
				l	·				Moshern observed				
exer.	NO RECOR					PART PART							
Samp	fing Method:		_/				Semple ID:	Sw					
Sa	mple Depth:				•	Dum tota	en? / Dup ID:	5/3					
Tin	ne Sampled:	. / 1	No scu	mole tel	ken	o do tata		- No	Dup	1,4			
Sample A	opearance:			100									
·	Colour				.)		Turbidity: Lov	w / Medi	um / (High)				
	Odour:		¥				21						
Sample C	ontainer and	Preservation;											
						51			0 9	84			
	Q.												
			,										
BSERV	ATIONS			\$ \$2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	rawari ja	in "lating" of	- Tribernindhickanners						
Weather	Conditions:	ار اینان بر اینان سند کام از	<u> </u>	<u>بر و آنفی ماکمه اثنا</u> هماید		في المحمد	The same that is it	-	4 44 44 44 44 44 44 44 44 44 44 44 44 4				
		Temperature:_											
	Current	Precipitation:					770						
Precip	itation of par	st 24 / 48 hrs:_											
Notes:_	fond u	pater le	uel w	very le	۷۵۷ <u>.</u> هلا	ater w	as siltu	(milk	(4). Took brbidi	1.			
èadi	n first	Water	CUDDPAR	ad kon	low to	warmat	a discha	00 -	Pool :	7,			
0%	il an									aty.			
DV Y	निव्य	capaah	(a/4 a	nother and	* NO C	TIMO II	ed dische	3e, L	auter level bo lo	مد. 			
1011	V CAV	- The Miles	Lais O	101 NO	301	4 rainh	all before	a dis	charge . scoolstation	producto			



		MATION					The specific section of the section	Associa	ies Trop
P		r: 12-115		5			200	Aug 201	2 12 1 3
		#: Covar		- ,,,			Sampled By: DPAIC		
	Site Locatio	" Clarin	gton	(4)	ii.				N
SITE O	ATA				1840 - 1874 - 1883. 1840 - 1874 - 1883.	ساسة ستهديق يعيث	ह्मामा हुए राज्याचन कर च न्छ।	The state of the second	ord Mana
		Time		:15am	7	±± โรยส์(สีสังเมสานใช้เ			
_	Surveye	reference point		1,0101	1		COCHOON ID & 2	WMP-N	,
Wa		Staff Gauge (m)	 		1	20			
	S	ream Width (m)			1	0	Logger Number		
		Stagnant	Yes)/ No	1		Loger Download Time		
		Flow Rate			1		Photos Taken	(PB X No (#	<u> </u>
					j		Photo Location		· ·
TOP		ता है सिंह		987 o y)
Time	Dissolved Oxygen	Conductivity	ρН	Fledox Potential	Temperature			- Carlotte	iu.
	mg/L	mS or µS	pH Units	mV	98	Turbidity	Colour	Odour	
			•				·		\dashv
							·		
	ample Depth:				5	Dup tak	Sample ID: SW en?/Dup ID: SW		
	me Sampled:							•	
ample /	opearance: Colour:						Turbidity: Low / Medit	6 1 H - A	
	Odour:		(8)				II III	an / High	
ample C	Container and	Preservation:				(1			
_		<u>ionshoch</u>	100	مردسه در	15.			•	ie ver
	ter leve	ds very 1	می ج		hones m	vade b	podd solit in	two New	
outh	all wast	alled ,	will	not k	e is se	vice u	그의 4차 기원과 수	-111	
Regi	00 00	exterior i	of fenc	e line	- unh1+	her, pip	e will continue	be no b	ild location.
BSERV	ATIONS .	4							Dut fall location wil
Veather	Conditions:	Temperature:					× -	1	Out fall location will Change once Region outable outch
	Current	Precipitation:					*		CATADIS SOILCY
Precis		at 24 / 48 hrs:							
Notes:									
									_
									_
	9								



	CT INFORI					کی راسیا درسه	. د. د د د د د د د د د د د د د د د د د	ر المراجع
Pro	ject Numbe		<u>-0155</u>	_			Date: Sexp	+ 30 2013,
	Clien		4	_			Sampled By:	Notheridae 14
8	Site Location	: <u>Clarg</u>	atom _	-				0.
125 .2			<i></i> 	-		,-		
SITE DA	ITA							
		Time	10am	4			Location ID E + M	1-8WMP-04
	Surveyed	reference point			7			
Wat	er Depth at	Staff Gauge (m)	N		1		Logger Number	
	St	ream Width (m)	11	1			Loger Download Time	
III		Stagnant	Yes	/ No				(C)
		Flow Rate			1		Photos Taken	Tres/No (#)
					_		Photo Location	
SAMPLI	NG PARAI	VETER						e enemálitico como enfe
T Seatlered on the	Dissolved		рН	Redox	Temperature	the Paragraphic Company and the Company and th	and the Control of the material of the control of t	
Time	Oxygen mg/L	mS or μS	pH Units	Potential mV	°C	Turbidity	Colour	Odour
	11		-					
	12/	H						
		and the stage of t			*** . ** C *** * *** *** * * *			
SAMPLII	NG RECO	RD	بناد مالللل عد):			
Sampl	ling Method:			<u> </u>	-		Sample ID:	P
Sar	mple Depth:				_	Dup tak	en? / Dup ID:	
Tim	ne Sampled:				_			
Sample A	ppearance:				-			
T _a	Colour:				-		Turbidity: Low / Medi	um / High
	Odour:				•			
Sample C	ontainer and	d Preservation:						
No	+ 50	mppd						
1 10		110 12 10 0						
OBSERV	ATIONO			·				
			سامارت الدارات				ورورو د بده مصدر الدوال و المنظم المارور	Market Control of Control
vveamer	Conditions:	Temperature:_	15°C	- OV	ercast	*		
	Curren	t Precipitation:_	nor	91				
Precip		ast 24 / 48 hrs:	7	Smm				
Notes:	75	·						
. 10100	1							
	_							



PROJE	CT INFORM	MATION	را نیز حداد در دود د	b and decreasing in			يئر يست در وادر المعالي المشارد و والمعالم المعالم الم	
Pro	ject Number	: <u>12-1151</u>	1-015	S			Date: SeO	1 30,2013 Nitheridae / I.
	Client			_			Sampled By:	Nitheridge / F.
8	Site Location	: Claric	gton	-			6	070
SITE DA	TA						اللغاء المستعدم المساحة المتعدد المتعد	and the contract of many
	30,]	مميد التوالة علاما ال		1 (
	Surveyed	Time reference point	1117	5	-		Location ID 5	71
Wate		Staff Gauge (m)			-			
-		ream Width (m)	,	1/1/	mpod)		Logger Numbe	
	_	Stagnant		(No)			Loger Download Time	
	_	Flow Rate	1		1		Photos Taken	Yes / No (#)
<u> </u>		1100011010	100		J		Photo Location	1
SAMPLI	NG PARAM	ETER						There is a second of the secon
Time	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour	Odour
7:45		120	6.38		27.4	24.6	clear	none no sheen
وو وگرید دا تو			· · · · · · · · · · · · · · · · · · ·	7. US THE T-		D. Young Street, Spirit, Spirit,	77. 14. 17. 1	
SAMPLI	NG RECOR	46	للشفيد كسا	* _				
Sampl	ing Method:	<u> </u>	<u> </u>	ie.	-		Sample ID: SV	<u> </u>
Sar	mple Depth:			-		Oup tak	en? / Dup ID: <u>NO</u>	
Tim	e Sampled:	9:40	<u> 5 </u>					
Sample A	ppearance: Colour: Odour:	clea					Turbidity: Low Med	dium / High
Sample C	ontainer and	Preservation:						
-Cz	enoro	0,15	slod9	S	750ml	<u>_, no</u>	ore served	in C
OBŠERV	ATIONS					-		
	Conditions:	A 20			- b (
		Temperature:_	Over	casi	1 B.C			
	Current	Precipitation:_	7	Whi				
Precip	oitation of pa	st 24 / 48 hrs:_	<u> </u>	mm		-		
Notes:	Che	ing c	A 30	ampl	ona la	Scotte	n to west	reown
Com	re si	uds /L	20/0/02	mode	'A ~	- CO 100	ding in	otion
	. , see	C C C C	na de la companya del companya de la companya del companya de la c	A 38 3 1.0	1 /	SOUTH THE STATE OF	1)	the large of the second
								



	niect Numbe	12-115	- NF	25	Territo (2.11		200	FOA 202
	Clien	-					Date: 320	idos l
	Site Location		0.1	_			Gampied by.	17/14/00/2/6
			9					
SITE D	ATA							
		Time	10:1	9			Location ID SW	7
	Surveyed	reference point			1			
Wa	ter Depth at	Staff Gauge (m)	1//	-	1			h
	St	ream Width (m)	N/	1	-		Logger Number	
-		Stagnant	Voe	/ No	_		Loger Download Time	
 				7 140	-		Photos Taken	Yes / No (#)
		Flow Rate]		Photo Location	muliple
		the state of the s	783/1 T T					
SAMPL	NG PARAL	T						
Time	Dissolved Oxygen	Conductivity	pΗ	Redox Potential	Temperature	Turbidity	Colour	Odour
1	mg/L	mS or μS	pH Units	mV	.€			
N	A							
							L	
SAMPLI	NG RECOF	RD						TORNING CONTROL
Samp	ling Method:	1				The state of the s	Sample ID: \/	A
Sa	mple Depth:				•	Dem tole	Sample ID:	<i>[</i>]
	ne Sampled:				-	Dup taik	en? / Dup ID:	
Sample A	ppearance: Colour:		1				Turbidity: Low / Mediu	m / High
	Odour:						,	,g.,
Sample C	ontainer and	Preservation:	4					
No	+ 4	ampled						
1	1	No Ive Page						
	ATONO				a).			
	ATIONS Conditions:			عالما المالا				
Wealter		Temperature:						
	Current	Precipitation:_						
Precia		st 24 / 48 hrs:						
Notes:	DW	,						
Notes.		1,00	a. 1	40 10				
: VCh	11000	imon n	ot c	u ter	mined			
								



	CT INFORM		غايدة وبالمارية			المار تبارسا		
Pro	oject Number	17-115	1-015	5			Date: SOC	+30/2013
	Client	Convo		-			Sampled By:	Muidae IE
;	Site Location	-Clari	NO for				1-200-	01
			0					
SITE DA	ATA							
	_	Time	10:	30			Location ID 5W	13
	Surveyed	reference point						
Wat	ter Depth at S	Staff Gauge (m)	0.18]		Logger Numbe	r
	Str	ream Width (m)	0.	0]		Loger Download Time	
		Stagnant	Yes	/(No)	1		Photos Taken	
		Flow Rate	101	S)	1		Photo Location	
					_		Prioto Location	(1
SAMPL	ING PARAN	ETER				- · · · · · · · · · · · · · · · · · · ·		The second section is a second se
Time	Dissolved Oxygen	Conductivity	pН	Redox Potential	Temperature	Totalelile		
	mg/L	mS or μS	pH Units	mV	°C	Turbidity	Colour	Odour
10:39	•	120	6.63		20.5	12.91	Sharah	None
O THINK	NG RECOR	و منځ و ده د منت و	مخصص ما سارات ما	ماريخ سيديد الأراءة	entratitis i fano la cama.	ماد محدد مشارحوا	ري سريد يعرب سوشوش يد مختلهمات الراجهان ريد	The state of the s
			(00))	برهادر والسند موالد المعال ويوافقه	or with statement in the one service	سال المنت من المنابعة ومنت الماسك	
Samp	ling Method:	cyalo	- pou	<u></u>			Sample ID: 5	N3
Sa	ımple Depth:	301 ti	ace		-	Dup tak	en? / Dup ID:	
Tin	ne Sampled:	10:3	<u> 5_</u>		-			
Sample A	Appearance:	no: IV	// [rar				
	Colour	Non	PILU	<u>an</u>	•		Turbidity Low / Med	lium / High
	Odour:		· · · · · · · · · · · · · · · · · · ·		•			
Sample C	_	Preservation:	1-1	0	968	4	. =	
-	Ger	orall	<u> 501</u>	ol_	100 m	<u></u>	noprese	re
				 -			 	
	 							
OBSERV	ATIONS	با رمونو دره و سور ده. پيوا رخواه واد آداد ايات					and the second s	
Weather	Conditions:	Temperature:	16.	c - 0	specco	25		
		Precipitation:	,-					
		est 24 / 48 hrs:_						
Preci	pitation of pa	ıst 24 / 48 hrs: _		JIVIII	Ů.			
Notes:								
							-	



	T INFORM ect Number			5	عند مرفیتیارد		Date: Sampled By: D. K	1, 30/26B
Si		Clarin		-			Sampled By: 13. M	mercede / Esta
SITE DA	TA				5.4 - 		o Principalitati o tank de (manda i manda man ye prope de e	
		Time	10:4	S			Location ID 5V	14
	Surveyed	reference point			1			
Wate	r Depth at S	Staff Gauge (m)	· 0.	10m]		Logger Number	
	Str	ream Width (m)		UOn	1		Loger Download Time	
		Stagnant		/ No	1		Photos Taken	
		Flow Rate	V KOV	00	_		Photo Location	
					_		THOSE ECOLOGIC	
AMPLIN	IG PARAN	METER						The state of the s
Time	Dissolved Oxygen mg/L	Conductivity mS or μS	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour	Odour
1:10		>20	6.68		26.5	9.20	marker	None
AREDI IN	G RECOP			- nagani		18 7 88%		and the same to be a single of the same of
	ng Method:		pol	<u></u>	mar. vak in a alam	an distance de la capaci	Sample iD:	JU
	nple Depth:		aco	-	-	Due tels	en? / Dup ID:	
	Sampled:	1016	5		.	Dup tak	entroupio.	
ample Ap	pearance: Colour: Odour:	clear	/mil	ky	- •		Turbidity: Low Medi	ium / High
ample Co		Preservation:	/soli	<u>d</u>	K) vn	- 0	D prêse Vo	xtul
BSERV/	TIONS							
Neather C	Conditions:	Temperature:	50	C -	only co.	5-		
	Current	t Precipitation:	<u></u>	ore.	- 4 8 7 4	4		
		ast 24 / 48 hrs:	7	Smn				
Pracini		···· / TU 1110						
·	Al-	nod =	Hann	and	The state of the s	A-MON	or Dalai VA: V	of andrews
Precipi	Aly	nost s	Haan Jaa	ant.	Foom		MODEL 18	at sentiant



PROJECT INFOR	MATION						70.
Project Number	12-1151	0155	_			Date: OCT	.7/13 TURDUE/E. MARGO
Clier	t: CONVE	tw th				Sampled By: D. W//	HICKAPAELE. MAINCE
Site Location	n: CLAKI	Nato	r)			•	
STE DATA							- manual and an
	Time	1:01	Som	.]		Location ID W	SWMOSIN
Surveye	d reference poin	 					
Water Depth at	Staff Gauge (m)			1		Logger Number	
S	tream Width (ភា)					Loger Download Time	
	Stagnant	Yas	/ No]		Photos Taken	
	Flow Rate					Photo Location	
				d a		Prioto Localion	
SALTELING PARA					en amin'ny avanana ama		and the same and the same of the same same same same same same same sam
Dissolved	Conductivity	рН	Radox	Tananastan			
Time Oxygen mg/L	mS or µS	pH Units	Potantial mV	Temperature °C	Turbidity	Colour	Odour
	1/1	G 11		100	<i></i>	muddy ha	
10:20	144	8.4	I.	15.5	86.6	brown	None
							0112
SAMPLING RECOF	42	-					
Sampling Method:	Gran	pole	<u>,</u>			Sample ID: W	-swmp
Sample Depth:	Cirla	il			Dup take	an? / Dup ID:	\bigcirc
Time Sampled:	10:19	5					
Sample Appearance:	01 . 1	1	. 0				
Colour:	Cloud	4/Arc	JWV I			Turbidity: Low / Media	um / High
Odour:	None						
Sample Container and							
6 Y	c 190) m1	Ge	neral	1/ So	lids	
		À		eden	rten	SP	
			77				
							3. 5. 500
NA PROPERTY ATTACLE						all care primary a management of the f	
Weather Conditions:		<u></u>		· · · · · · · · · · · · · · · · · · ·		. سید = مستطلعت بر سیستر باده ، واجه براهید و است.	
	Temperature:	10	L, RO	iny			
Current	Precipitation:	~	Imm				
Precipitation of pas	st 24 / 48 hrs:	110	Shar				
Notes:	oter	MILLO	di	L'ah	- bren	m. con	not see
botton). Wi	ater	Am	Line	fan-	West sic	de pool
+0 00	ust +	hrow	2 / 2	205	2	culve ete	Mar CH MARIN
NE Ch	wert	lool	25 4	o be	Clore	med	17 (0) 1 (30 -17



Pı	Clier	mation or 12-1151 or CONVI or CLARI	AN TA			,	Date: OC7 Sampled By: P-W//	+/13 HCRINE/E-MANS	Z		
SITE D	ATA										
		Time	IPA	1			Lecetion ID W -	SWMP-OUT			
		nicq eonerater t	-					3-9-9			
Wa		Staff Gauge (m)	4	u	-		Logger Number				
	St	ream Width (m)	100		-		Loger Download Time				
		Stagnant Flow Rate		/ No			Photos Taken	Yes / No (#)			
<u></u>		Flow Rate	1 0	IA_	1		Photo Location	0			
SAMPLI	NG PARA	ÆTER				رد بدندونوند. محمد داهنده					
Time	Dissolved Oxygen mg/L	Conductivity	pH pi-l Units	Redox Potential mV	Temperature °C	Turbidity	Colour	Odour			
1:35		1.02	8.26		15.9	55.44	Clar/mikin	none			
Sampi Sar Tim Sample Aş	Sample Method: Grand Colour: Surface Direct bottle Sample ID: W - SWMP - OUT Sample Depth: Surface Dup taken? / Dup 1D: No Time Sampled: 1 - 25 Sample Appearance: Clan / Milky Turbidity: Low / Medium / High Odour: Norl ample Container and Preservation: b x 750mb bottles - general /Solid Uib of Secretary and Preservation:										
	Current i	remperature: Precipitation: t 24 / 48 hrs:	15°0	-, Ou	ercos	st, h		\$			
Notes:	like Stron	ely s	services	d -	mt.	Rom	disharge Iron rai area	ponds			



F	Ciler Site Locatio	MATION or: 12-1151 or: CONVI or: CLAR	AN TH	N			Date: <u>OCT</u> Sampled By: <u>P-W//</u>	· 7/13 HCRINE/E·M	unco
SITE (ATA								<u>-</u> -
	-18 - 4 -	Time	10a	m	_		Location ID E-	SWMP-IN	J
	Surveyor	d reference point							
w	eter Depth at	Staff Gauge (m)					Logger Number		
and the same of th	S	tream Width (m)					Logar Download Time		
		Stagnani	Yes	/ No			Photos Taken	Yes / No (#	.]
		Flow Rate					Photo Location		7
Saupi	ING PARA	Manea .		ngh to said					
Time	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Fiedox Potential mV	Temperature *C	Turbidity	Colour	Odour	
10am		2.15	8.08		16.3	39,56	Brownish green Cloudy	None	
Sa Tin Sample A	sing Method: sample Depth: ne Sampled: ppearance: Colour: Odour:	Closs Preservation:	fac	/bro			Sample ID:		
	Current	Temperature: Precipitation: at 24/48 hrs:	10 15 00 00 00 00 00 00 00 00 00 00 00 00 00	mm wdy ng th	Rein - c nrough to	anno	ot see culvents	botton	of 1st

, CAMININATION SOLVED AND CO



	CT INFOR					 <u>.</u>		
Pr		12-1151		sion			Date: 0C7	7/13
	Clien	t: <u>CONVI</u> n: <u>CLAK</u> I	All to	4/			Sampled By: // ////	HER NE /E. MA
	Site Location	n: CLTH	NULL					
Sine o	ÄŢĀ						and the state of t	
130, 100, 100, 100		Time	len	n			Location ID	SWMP-OU
	Surveyed	l reference poin			_			2 300
Wa		Stafi Gauge (m)	-	ч			Logger Numbe	
	St	ream Width (m)	01) ^u	-		Logar Download Time	10
		Stagnant Flow Rate		/ No	-		Photos Taken	Yes No (#
	-6 0.0±0 D	HOW NAIS		<u>H</u>	1		Photo Location	
SAMPLI	NG PARAL	ETER .						سندماء والمادية
Time	Dissolved Oxygen	Conductivity	pH	Redox Potential	Temperature	Turbidity	Colour	Odour
· 00	rng/L	mS or μS	pH Units	mV	°C	00 01	char/	(K)
1.50		1.08	8.25		16,00	34.46	/milky	none.
SAMPLI	vo recon	0		der entre et e		خساره ويضياه		
	ing Method:	-Careta	corto	Dire	et bo	Hee	Sample ID: C - S	LMP -OT
	nple Depth:	Senf	al	2	0 00		n?/Diss ID:	20
Tim	e Sampled:	1:0	Ugn)				
Sample Ap		Olomo	~ /m	ilku				
	Colour: _	100	WO.	11/00	•		Turbidity: Low / Medit	m / High
Sample Co	_	Preservation:						
		i	50ml	- 60	Hles	- a	eneral/si	dids
			No	pre	'sen	stuf		3
				-				
OBSERVA	TIONS						errana la guare a la lung la luga lega de la l La luga lega de la luga lega d	The state of the s
Weather C		emperature:	15° (_, DI	rercar	H. hi	gh winds	C
	Current F	recipitation:	nand	2			gri wila	2
Precipit	ation of past	24 / 48 hrs:	115	mm				
Notes:	W	ater	pool	ed iv	a our	ea	- not di	ischours
	rom	nonds	50	lik	ely	runc	off from	Suface
ra	inno	du.	Str	ong	Sen) age	Octour	in area



	Clier	MATION 12-1151 CONVI 1: CLAL	AN TH				Date: OCT Sampled By: D. W/1	THE MA	ngcH
ênê D	ATA								_
		Time	lan				Location ID S	<u>ا</u> ل	
	Surveyed	i reference poin	-		-				
Wa	ter Depth at	Staff Gauge (m)	0	`			Logger Numbe	r .	
	Si	ream Width (m)	וס	n			Loger Download Time	9	
		Stagnart		No			Photos Taken	Yes / No (#)	
	3 4	Flow Rate	Med	1/hig	h		Photo Location	1	
SAMPL	ng Parai				,		مساما والمناورة المناورة	عشده بادمان ما بالامام المساوة المساوة	
Time	Dissolved Oxygen mg/L	Conductivity mS or μS	pH pH Units	Fledox Potential mV	Temperature °C	Turbidity	Colour	Odour	
11:10		0.52	1.83		-	23. °C)	milley	Sewage	
Sa Tirr Sample A Sample C	ATIONS Conditions:	11:10			bo-t	Dup take	Sample (D:	ium / High	
bo	Hon	7. 54	Tong	se	wag	£ 0	down in	area.	- -



	CT INFOR								
Pro		12-1151		-			Date: 007	·7/13	_
		.CONVI		- ,			Sampled By: DWII	.7/13 HOLDEJE MA	ascH
	Site Location	:CLAH	Nutol	A)				ě.	
,śñe o.	ata								
			1151		7		Location ID SV	17	
		Time	11-1	<u> </u>	-		Location 10 3 V	V <u>C</u>	j
	Surveyed	reference point							-
Wal	ter Depth at	Staff Gauge (m)	3 u				Longer Number	-	
	St	ream Width (in)	100	H			Loger Download Time		1
		Stagnant	Yes	1 10			Photos Takan	Yas / No (#]
		Flow Rate	mod	im			Photo Location		
-								3023	-
SAMPL	ng Paraj	AETER							7 4
Time	Dissolved Oxygen mg/L	Conductivity mS or μS	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour	Odour	
11:25		0.86	7.87		14.1	43.49	milky	Nene	
									•
SAMPL	NG RECO		الشائسة أ			بالمجمد بالمحمد الماد			i •
Sampl	ling Method:	- m	ab po	1	•		Sample ID: 5	24	i e
Sa	mple Depth:	Sur	tace			Dup take	nn? / Dup ID:	0	
Tim	ne Sampled:	11:2	0		,				
Sample A	ppearance: Colour:	Milk	4, C	lear.	to bo	Hen	Turbidity: Low / Medi	um / High	
	Odour:	N	<u>o</u>						
Sample Co	ontainer and	Preservation:						- 1 - 1 - 1	
	6	x 750	DMC	100	Ples	3 -	general	2/solids	
			()	0 1	prese	LIGHT	ire		
				U					
DBSERV	ATIONS								
Weather	Conditions:	Temperature:	15°	C - c	overc	ast		alanda plane deceme termin plan. Appelates emergis, militario que	
		Precipitation:	by		WAN N				
Dranin		st 24 / 48 hrs:	~	Sm					
	manon oi pai	0 L 43	50	1	2004	30	with the	lke. Sam	abod.
Notes:_		alo C		<u> </u>	<u>COUP</u>	3,	- 00 110 0 10	الماكن الماكن	1
7	nau	gri te	nie						



	Clien Site Location	mation 1:12-1151 1:CONVI 1:CLALI	NATO	<u> </u>				: 7-113 hcr.Due/e : ma	nscH
-		Time	11.5	0	1		Lecetion ID SV	03	J
		reference point			1				7
Wa		Staff Gauge (m)					Logger Number		
	St	ream Width (m)	00	<i>(</i> 2)	-		Loger Download Time		-
-		Stagnant		(No	-		Photos Taken	Yes / No (#)	
	an .	Flow Rate		V.	_		Photo Location	12.7]
SAMPL	ing Paraj	leter							-
, Ţime	Dissolved Oxygen mg/L	Conductivity mS or μS	pH pH Units	Radiox Potential mV	Temperature *C	Turbidity	Colour	Odour	
11:45		0.96	7.92		M.Z	26.98	brown	None	
Sa Tin Sample A	Colour:	Such	ace S In la	row	Vc lea	Des T	Sample iD:Stample iD:	um / High	
	Current :	Temperature:_ Precipitation:_ at 24 / 48 hrs:_	15° No ~16		rake	est			



	CT INFOR								
Pr	oject Numbe	12-1151	0155				Data: 0C7	.7/13	
	Clien	CONVI	AN TA				Sampled By: D. WII	HERDEELE MANGE	1
	Site Location	CLAH	White	W					
SITE D	ATA								
		Tim	12	pm			Location (C)	WY	
	Surveyed	l reference poin			_				
Wa	ter Depth at	Staff Gauge (in	17	И			Loggar Number		
	St	ream Width (m)	10	5 ~			Loger Download Time	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	
		Stagnan	Yea	/ No			Photos Taken	Ves / No (®	
		Flow Rate	med	lium			Photo Location		
					J		TIMO LOCASON		
SAUPL	NG PARAL	AETER		چىچىد وېچىدرېد — گانىدىلى كان ت	ر سندون در دستان معمد مسالما				
Time	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour	Odour	
猫		0.85	7.83		14.8	25.37	AMBINA CLO	dy None	
SAMPLI	NG RECOF	D		ونيد سائيت				and the same of th	
Sampi	ing Mathod:	grab	nd	2			Sample ID:	0 L	
Sa	mple Depth:	SIN	Cace			Dup taks	m? / Dup ID:		
Tim	e Sampled:	17:0	35						
Sample A	pearance:	10.00	- / -1						
	Colour:	YD Y OX	2/4	ords			Turbidity: Low / Medi	um / High	
	Odour:	N.	ne						
Sample Co	ontainer and	Preservation:					٨	and the second	
	6	X 76	and		bilid	S/ax	heral	bottles	
			No	pres	211/97	the			
				Ų				30	
BSERV	PROITA	. — —			-, -,		*****		
	Conditions:	<u></u>				- <u>-</u>	بدؤ حائدتان الاستاء الم		
		Temperature: _	150	- 10	verca	51			
	Current	Precipitation:_	m	ml					
Precin	itation of na	at 24 / 48 hrs:	115	mm					
•	~	Lne ~			4	ann	2+ See	to haton	
Notes:		TIELLY		اللالالا	~4, c	- VI V)C	ar see	(0 DO 140)	1



PROJEC	TINFORM							ب بالسيد سنسيد بياد.
Proj	ject Number		1-015	5				22 2013
		Covan	10.	j			Sampled By:	1/54
S	ite Location	-		, a				
SITE DA		6-2h	mp-	[1/2				
SILEDA		and comments to the second of the				n and an extension of the contract of the cont		
	_	Time	830	GM.			Location ID	NI-9MW2.
	Surveyed	reference point						
Wate	er Depth at S	Staff Gauge (m)					Logger Numbe	г
	Sta	ream Width (m)					Loger Download Time	9
		Stagnant	Yes	No Pon	d.		Photos Taken	Yes / No (#)
		Flow Rate	9]		Photo Location	
					J		Frioto Location	4
SAMPLI	NG PARAL	METER			77-79-7			
	Dissolved	Conductivity	рH	Redox	Temperature	T		
Time	Oxygen mg/L	mS or (µS)	pH Units	Potential mV	°C	Turbidity	Colour	Odour
8:30		943	8.57		7.8	196	Murky brown	None.
0.5.		117	0 - 1		110	11 10		
			er e percenta	#	r - mgama n	-16-4		entre morange en en eus est ma
	NG RECO		ساستان دسا سرد. ا	ه د د د د د د د د د د د د د د د د د د د	الدائمية أرابها والتناوي		15 6	
Samp	ling Method:	Pole	grab		-		Sample ID: E - S	
Sa	mple Depth:			_	-	Dup tal	ken? / Dup ID: Yes	E-SWMP-IN-DL
Tin	ne Sampled:							
Sample A	ppearance:							
	Colour:						Turbidity: Low / Me	dium / High
	Odour:				•			
Sample C	Container and	d Preservation:						
			· ·					
	6							
OBSERV	ATIONS							
Weather	Conditions:	Temperature:	70	,				
						-		¥6
	Currer	nt Precipitation:	No	<u>ne</u>		-		
Prec	ipitation of p	ast 24 / 48 hrs:	Rai	ifall o	<u>vernight</u>	7. CIMM		
					~			
								-
					······	··· -		
							 	



Proj S	ject Number Client ite Location	12-115 COVO	ota. 1-0159 1-017	-			Date:_ Sampled By:_	NO.	1 22,2013 EM
SITE DA	ŢA			·		157 (m (s) =			
		Time	950]		Location ID	E-SI	DMP-OUT
	Surveyed	reference point							
Wate	er Depth at S	Staff Gauge (m)	{	.5mx1.			Logge	er Number	
	Str	eam Width (m)	Por	oling Po	nel - dept	~ B,,	Loger Down		
		Stagnant		/ (No)]				Yes / No (#
		Flow Rate]			o Location	
					_				
AMPLI	NG PARAM Dissolved			Deday					
Time	Oxygen mg/L	Conductivity mS or μS	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colou		Odour
150		598	9.30	-24	4.4	180 AV	Boun 6	reen	No chours
ample Ap	opearance: Colour: Odour:	Preservation:	,		*	W.	Turbidity: L	ow / Med	ium (High)
BSERV /	Conditions:	Temperature: Precipitation:	^	7°C				iga ş	
Precip	itation of pa	st 24 / 48 hrs:_	Rainfo	LL OVER	able or	4mm	and al	n d C	ill a High fa



	ect Number: Client:	13-	1151-01	55			Date:	23		
s	ite Location:	CFE2	z W.	SWMP -	0 UT				1 17 UC 1 19 4	
ITE DA	TA									
		Time	945	A 0]		Location ID			
	Surveyed	reference point	1	WN.	-			_ω	TUO-9MC-OUT	
Wate	er Depth at S	taff Gauge (m)			-					
		eam Width (m)		diag wal	ferfall fon	siot		Number	<u> </u>	
	Stagnar		Yes	/ (No)	- hoole se	unpla	Loger Downloa		Ves // No (#	
		Flow Rate		Care Care Care Care Care Care Care Care	-toole so	gyri of			Yes // No (#	
			L		J	E E	Photo I	_ocation		
AMPLI	NG PARAM	ETER								
Time	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour		Odour	
145		548	9.35		3.8	25.6	Green	İ	Non.	
ample Ap	e Sampled: opearance: Colour: Odour: ontainer and						Turbidity: Low	/ (Medi	um High	
/eather (Current	Temperature:_ Precipitation:_	Non							
Precip Notes:_	Ca Si	et 24/48 hrs:_	sate of	all for	Might ~	- Took	sample a	t w	nouth at pip	



Client: Site Location:	1.1 0.	Ma	N		10 m	Date: NC Sampled By:	W 12H
SITE DATA							
	Time	940				Location ID W	-SWMP-IN
Surveyed	reference point						
Water Depth at S	taff Gauge (m)]		Logger Numb	er
Str	eam Width (m)					Loger Download Tin	ne
	Stagnant	(es)	No Po	hd.			n (Yes i No (#)
			ĺ		Photo Location		
SAMPLING PARAN	IETER						
Time Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour	Odour
940	951	941		3.5	25,3	Green	None
Sampling Method: Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: Sample Container and OBSERVATIONS Weather Conditions:	SNAV	Van	7'(ton: blt on	Dup tak		SWMP-IN-DUI SWMP-IN-DUI edium / High



SITE DA	Surveyed er Depth at S	Time reference point staff Gauge (m)	9:11	am			Date:_Sampled By:_Location ID	SW er Number	
-		Stagnant Flow Rate		/(10)	-		Pho	tos Taken	(Yes)/ No (#)
		Flow Rate	Low		J		Phot	o Location	
SAMPLI	NG PARAM	ETER			gan an ang managan an ang managan an an ang managan an a				
Time	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colo	ır	Odour
10:11 on		449	8.49		5.9	SIL	Clea	5.4	Orgenic
Sample A	ing Method: ing Method: imple Depth: ing Sampled: Colour: Odour: Odour:	Dire				Dup tak	Sample ID:_ ken? / Dup ID:_ Turbidity:(L	~	SWI - DUP
						2			
	Conditions: Current pitation of pa	Temperature: _ t Precipitation: _ ast 24 / 48 hrs: _	~7°C Non Rain a	venigh	k ~2-4	ımm			



FILOULI	ri îuroui							
Pro	ject Number			-			Date: NOV	22, 2013
	Client		ta	-			Sampled By: 3H	Ev.
S	Site Location	: <u>SW2</u>		-				
SITE DA	TA							
		Time	102	1			Location ID SW	2
	Surveyed	reference point				8		
Wat	er Depth at S	Staff Gauge (m)	~10c	Μ.			Logger Number	
	Str	ream Width (m)]		Loger Download Time	
		Stagnant	Yes	/NB			Photos Taken	(Yes)/ No (#)
		Flow Rate	Lowh	med.			Photo Location	
					•			-
SAMPLI	NG PARAM	AETER .			وتدورتان الط			
Time	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour	Odour
1021		577	8.26		5.8		Clear how	No odour.
SAMPLI	NG RECOF			. د				
Sampl	ling Method:	Pole	grab		-		Sample ID: S	75.
Sa	mple Depth:		-			Dup tak	en? / Dup ID:	·
Tim	ne Sampled:				-			
Sample A	ppearance:				(1)			
	Colour:				-		Turbidity: Low / Med	lium) / High
	Odour:				-			
Sample C	cntainer and	Preservation:						
			8					
							 	
DBSERV	ATIONS					- 2		
Weather	Conditions:	Temperature:	~7	°C				
		t Precipitation:						
Precij	pitation of pa	ast 24 / 48 hrs:	Rain	overnic	ht ~ 2-4	mm,		
Notes:_	Cle	ast 24 / 48 hrs:	ky bo	lww .)			No.



	TINFORM	1				61800 M.H.		
Proj	ect Number:		51-0	55			Date:	301 213 01 ()
	Client:		<u> </u>				Sampled By:	em. Jan
	ite Location:	_SW						
SITE DA	TA							
		Time		m			Location ID	SW 3
	Surveyed	reference point					· · ·	
Wate	er Depth at S	Staff Gauge (m)	30	om			Logger Nu	mber
	Str	eam Width (m)	1,5	m	ļ		Loger Download	Time
		Stagnant	Yes	(No')			Photos Ta	aken (Pe) / No (#
		Flow Rate	med-	migh	ĺ		Photo Loc	cation
				0				
SAMPLI	NG PARAN	IETER .						
Time	Dissolved Oxygen mg/L	Conductivity mS of μS	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour	Odour
Man		930	8135		5.6	223	Clear	- Nang
, pr. 1, j	1.5 B.C. 171.5							
16 1	NG RECOF		نعدنيا الله		أهت تتكت من	<u> </u>		
Samp	ling Method:	Pole g	rab	_				2M3
Sa	mple Depth:					Dup tak	en? / Dup ID:	les sw3-oup
Tim	ne Sampled:				-			
Sample A	ppearance: Colour:						Turbidity: Low /	Medium / High
	Odour:	· · · · · · · · · · · · · · · · · · ·			•			-
Sample C		Preservation:			•			
Campio C	Officer for and	11000110011						
			•					
			· · · · · · · · · · · · · · · · · · ·					
OBSERV	ATIONS							
	Conditions:	Temperature:	7°0		ad pri (m. 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		the second to the second to the	alkarin — danama — ayi madi ya ya na na masa ina i
	Curren	t Precipitation:	Pone	2				
Preci	nitation of n	ast 24 / 48 hrs:	Rain	avernie	iht ~2 = 4	da.en		
Notes:	Clea	(, 000	dour, L	o S			<u></u>	



PROJE	CT INFORM	IATION				- woods		
Pro	ect Number:	12-1151		_			Date: No	vember 22,2013
	Client:			-			Sampled By:	JH, EM
S	ite Location:	SW4		-				
SITE DA	TA							
		Time	1043	}			Location ID 5W	4
	Surveyed	reference point						
Wate	er Depth at S	staff Gauge (m)	30c	ή			Logger Numb	er
	Str	eam Width (m)	2m				Loger Download Tin	ne
		Stagnant Yes /No Photos Taken Yes No				n (Yes) No (#)		
		Flow Rate	Med-b	nigh			Photo Location	on
	116694 11 1							
SAMPLI		ETER						
Time	Dissolved Oxygen mg/L	Conductivity mS or μ S	pH pH Units	Redox Potential mV	Temperature °C	Turbidity N/TV	Colour	Odour
1043		8.3U	8.32		5.6	14.4	Clearish	no alor.
							U	
	NG RECOR		نساب نا					
Sampl	ing Method:	Pole	aralo		-		Sample ID:S	W4
	mple Depth:				5	Dup tal	ken?/Dup ID: Yes	5W4-DUP
Tim	e Sampled:				-			
Sample A	ppearance: Colour:						Total Caller of the Asia	
55	•				-		Turbidity: Low / Mo	2 5 ⁶
	Odour:				•		Med -:	LOW
Sample C	ontainer and	Preservation:						
					 .			
 -			· · · ·				•••	
		-						
OBSERV	ATIONS		restrate.				-1007 1007 17-16-201	
Weather	Conditions:	Temperature:	7%					
		Precipitation:						
Precir				h myern	idn ~ 2 -1	lan		
Notes:		st 24 / 48 hrs:_	aci c m	me blu	ANE	-		
MOTES:	1000	L. C.	ictal III	Day 181.	19/3			
								
				•				



PROJE	CT INFORM	IATION	د. مانون ونومان	التحديد المالة					
Pro	oject Number:	12-1151	-0155	_			Date: 30	Dec 2013	
	Client	Cossam	9		mes a numbr		Sampled By:	1 JH	
	Site Location:	<u>ourrails</u>	: <u>E</u> s	WMP	OUT				
SITE D	ATA								F * ***
3112 0				-	1				<u> </u>
			9:52		1		Location ID		
		reference point	31		_				¬
Wa	ter Depth at S	Staff Gauge (m)	d				Logger Number		
	Sti	ream Width (m)	, 0,				Loger Download Time		
		Stagnant	Yes	<i>))</i> No			Photos Taken	Yes / No (#	اد
		Flow Rate	NLL	_			Photo Location		
					-	'			_
SAMPL	ING PARAL	AETER							
Time	Dissolved Oxygen	Conductivity	рН	Redox Potential	Temperature	Turbidity	Colour	Odour	7
	mg/L	mS or μS	pH Units	mV	°C	WILL -	,		_
		2.156	8.33		3,9	2.85	clear	MM	
									_
SAMPL	ING RECO	RD .							A
Sam	pling Method:				_		Sample ID:		_
S	ample Depth:				_	Dup tak	en? / Dup iD:		
π	me Sampled:				_				
Sample	Appearance:								
	Colour						Turbidity: Low / Med	ium / High	
	Odour				-				
Sample	Container and	d Preservation:							
		····	14						_
						·-··		<u> </u>	_
									_
						-			_
OBSER	VATIONS			San Tibu			د معام می از در در سود. د معنا موتان مواده از رسد		
Weathe	er Conditions:	Temperature:	6			•	4.5		
	Currer	nt Precipitation:	mm	o ho	sligh	1 dris	71P		
Dro		ast 24 / 48 hrs:	4	mm	1	· · · · · · · · · · · · · · · · · · ·			
	00.5	IN ICTON		1200 21	n + /:	m (Tina)	don	nolnela	comic shon
Notes	00C =	UNUIEN	<i>الایریز</i> این	11.	2100	1 1	haldrand d	((((((((((((((((((((ganic steen
3/0	(je) /	if the	13/1	14 SR	o boo	1 as	DONNY ?		- morecit
Pi	pu o	vivol or	r_{ij}	LY 1 Cuf	o cast	<u> </u>			_
									_



PROJEC	CT INFORM							
Proj	ject Number:		31-01	55				Dec 2013
	Client:	Covar	ita.	• 6.0	مان صا	٥.	Sampled By:	<u>/ ፲፻</u> ዛ
S	lite Location:	SUM	Outto	: 21h	·wswh	r - ou	7	
						.,		
SITE DA	TA	وه المشارس مدينة فيمنا والم			7			
		Time	9:48	<u> </u>			Location ID	
	Surveyed	reference point	•					
Wate	er Depth at S	Staff Gauge (m)	FROZE	N	7		Logger Number	
	Str	eam Width (m)	25	m	1			
		Stagnant	Yes	/ No	-		Loger Download Time	
		Flow Rate			-		Photos Taken	Yes / No (#)
		Flow hate					Photo Location	
Odlini "	uo pàper	1			an and always and an		and the state of t	
SAMPLI	Dissolved	ETER		Redox		ب كا برأ مرس		
Time	Oxygen	Conductivity	pН	Potential	Temperature	Turbidity	Colour	Odour
	mg/L	mS or μS	pH Units	m∨	P °C			
- 11				<u> </u>	1		1	
SAMPLI	NG RECOR	D						
					-			
					-	Dup ta	Ken? / Dup ID:	
Tin	ne Sampled:				_			
Sample A	ppearance:	-					Turbidity: Low / Med	ium / High
					-		raiblaty. LOW / Wed	idiri / migri
					-			
Sample C	ontainer and	Preservation:						
								
								
								· <u> </u>
OBSERV	ATIONS							
Weather	Conditions:		n e					
		Temperature:	الما	. 1.	-1	dein	~ 10	
	Curren	t Precipitation:	min	0 170	<u>sugni</u>	24 15	31P	
Preci	pitation of pa	ast 24 / 48 hrs:	5m	m				. 1
Notes:	Wale	1 Im	Lit ch	- 10	ADELIN	1.5m	un covero	a slopes
a A A	2010	d'ille	FIA	160	Link	1. ma	um temmi	minda
11	Jac.	. + Of.	2112	heher	ind	W/NI	JVI I DI ION	11110
<u> </u>	-141	CVIPIC	W O	USELL				



PROJE	CT INFOR	MATION						
Pro	oject Numbe	r <u> 12- 1151</u> .		_			Date: 20	Dec 2013
			nta	_			Sampled By:	
	Site Location	ı: SW		_				
SITE DA	ATA							
		Time	9:1	7			Location ID 5	WI
	Surveyed	reference point						
Wat	er Depth at	Staff Gauge (m)	5"				Lanconthibuth	-
	St	ream Width (m)	10	<u> </u>			Logger Number	
		Stagnant		//No	1		Loger Download Tim	
		Flow Rate			1		Photos Taker	Yes / No (#)
		Flow hate	Stea	<u>a9</u>]		Photo Locatio	n
0.44(0)	uó hanai			مسافه ديشش، ده	والمساح والمجرد بطريد	and the same of a secondary days.		
SAMPLI	NG PARAL Dissolved			- a				
Time	Oxygen	Conductivity	pН	Redox Potential	Temperature	Turbidity	Colour	Odour
	mg/L	mS or μS	pH Units	mV	°C	1711	ļ	
9:17		3999	7.96		0.0	767	161 be	
	_	0,.,	100	}	070	16,1	ma-ky br	own no alor
SAMPLI	NG RECOF	RD						The second second
						- 4- -	Comple ID	<u> </u>
					•			
	mple Depth:				•	Dup tak	en? / Dup ID:	
Tim	e Sampled:							
Sample A	ppearance:							
(1					2		Turbidity: Low / Med	dium / High
	Odour:		····					
Sample Co	ontainer and	Preservation:						
			 -					
			·					· ·
BSERV	ATIONS							
Weather (Conditions:		, C					
		Temperature:_	<u> </u>	<u></u>	Ser.			
	Current	Precipitation:	Liq	ht rain	- interm	Heat		
Precip	itation of pa	st 24 / 48 hrs:_		5-10 m	M			
Notes:	mili	Ku bo	wm.	Dont	of com	and in	O CONTRO	of standy
Cla	115	wall as	dN	() and	1 100		ALL CALL	to de
1 100	Chi	OULLS TYN	way	y and	n Kul	41 5/	now, sala	moved
m	STION	wer,		<u> </u>				



Time (0 4) rence point Gauge (m) 0 2	_			Sampled By:	O DELZO13 H/LM			
Time (0 4) rence point Gauge (m) 0 2 Width (m)	17			(See See See See				
Time (0 4) rence point Gauge (m) 0 2 Width (m)	17				Shi 2			
Time (0 4) rence point Gauge (m) 0 2	17				Uni 2			
Gauge (m) 0,2				Location ID	Jul 3			
Gauge (m) 0.2	Sim.			Location ID SW 3				
Width (m)	5m -							
				Logger Number				
Stannant Vos				Loger Download Time				
Stagnant Yes / No				Photos Taken	Yes / No (#			
Flow Rate Meel				Photo Location	1			
			- 115		22.630			
onductivity pH nS on (uS) pH Units	Potential mV	Temperature °C	Turbidity NTU	Colour	Odour			
999 8.14		0.0	13.6	Clear	No odow.			
		. - -	Dup tak					
nperature:	es in	7						
	pH Units PPG 8.14 servation:	servation: Productivity pH Pedox Potential mV Portential mV	servation: PH Pedox Potential Temperature nV C PO O O O O O O O O O O O O O O O O O O	pnductivity pH Pedox Potential mV °C Turbidity NTU °C NTU	Productivity pH Pedox Potential mV Potential mV Potential mV POTENTIAL Temperature Turbidity NTU POTENTIAL PH Units mV POTENTIAL PH			



ROJECT									Anger III 1
Projec		12-115		5			Date: 20 C	Dec 2013	
2	Client:						Sampled By: 3H	12M	
Site	e Location:	<u>SM3</u>							
TE DAT	A								1 PD 01
		Time	12.2	1	7		Location ID	and the second of the second of the second of	
•	Commence of		400	Ø	-		Location io		
		reference point			4	۵			_
Water		taff Gauge (m)		nh From	zen on Sur	fa u	Logger Number		
	Str.	eam Width (m)	10 / 3				Loger Download Time		
		Stagnant	(Yes)	/ No			Photos Taken	res No (#	
		Flow Rate					Photo Location		
					-				
MPLIN	G PARAM	ETER		./					
	Dissolved Oxygen	Conductivity	рН	Redox Potential	Temperature	Turbidity	Colour	Odour	7
11110	mg/L	mS or μ S	pH Units	mV	•c	Turbidity	Ociodi	Oddur	
i					1				
Samplin Samp	ng Method:						Sample ID:		
Samplin Samı Time Imple App	ple Depth: Sampled: pearance: Colour: Odour:		-		- -				
Samplin Samı Time ample App	ple Depth: Sampled: pearance: Colour: Odour:		-		- -		en? / Dup ID:		
Samplin Samı Time ample App	ng Method: ple Depth: Sampled: Dearance: Colour: Odour: Intainer and		-		- -		en? / Dup ID:		
Samplin Sam Time Time Imple App Imple Cor	ng Method: ple Depth: Sampled: Dearance: Colour: Odour: Intainer and	Preservation:	-		- -		en? / Dup ID:		
Samplin Sam Time Time ample App umple Cor	ng Method: ple Depth: Sampled: pearance: Colour: Odour: mtainer and	Preservation:	12		- -		en? / Dup ID:		
Samplin Sami Time ample App ample Cor	ple Depth: Sampled: Sampled: Colour: Odour: Odour: ATIONS Conditions:	Preservation: Temperature:	1°C None		- -		en? / Dup ID:		
Samplin Sami Time ample App ample Cor BSERVA Veather C	g Method: ple Depth: Sampled: pearance: Colour: Odour: ntainer and conditions: Current	Preservation: Temperature: Precipitation:	1°C Non ~Smn	1			en? / Dup ID:	ium)/ High	
Samplin Sami Time ample App ample Cor ample Cor BSERVA	g Method: ple Depth: Sampled: pearance: Colour: Odour: ntainer and conditions: Current	Preservation: Temperature:	Nou ~Sm	1	- -		en? / Dup ID:	ium)/ High	
Samplin Saml Time ample App ample Cor	g Method: ple Depth: Sampled: pearance: Colour: Odour: ntainer and conditions: Current	Preservation: Temperature: Precipitation:	Nou ~Sm	1			en? / Dup ID:	ium)/ High	



ROJE	CTINFORM	MATION		ه استان باشار				A
Pro	ject Number:		1:0155				Date: 10	DEC 2013
	Client	00 1/1	10				Sampled By:	174
8	Site Location:	<u>SW4</u>	 					
TE DA	TA		2.8					
		Time	10:16)]	1	Location ID	
	Surveyed	reference point			1		\	
Wat	er Depth at S	Staff Gauge (m)	5"]		Logger Number	
	Str	ream Width (m)	2.5	C#1			Loger Download Time	
		Stagnant	Yes	No)			Photos Taken	Yes / No (#)
		Flow Rate	SIGN				Photo Location	
					_			
AMPLI	NG PARAN	AETER .						
Time	Dissolved Oxygen mg/L	Conductivity mS or µS	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour	Odour
	ing L	3999	7,96	1114	0.9	123	9547/3000	m
	10 1- 1007	1-107 To the 1 to 0 miles				THE WORLD TO THE CO.		
AMPLI	NG RECOF	łD					عاله فالمنابعين	
Samp	ling Method:				-		Sample ID:	
Sa	mple Depth:				-	Dup tak	en? / Dup ID:	
Tin	ne Sampled:				-			
ample A	ppearance: Colour:				_		Turbidity: Low / Med	ium / High
	Odour:				_			
ample C	ontainer and	d Preservation:						
			•					
								
BSERV	ATIONS							
Veather	Conditions:	Temperature:	O'					
	Curren	t Precipitation:	5/19/	fdr	1734			
Prec	ipitation of pa	ast 24 / 48 hrs:	'5	mm	~		1 1.1	,
Notes:	Ven	1 stern	ma	2111	15/15/	lf tu	15idity.	molms
COO	m ű	later 1	MS	(de	Smile	CAN	escap	
1							1/	



HOJE Pro	oject Number:	12-1151-	0155	-			Date: Jan 1	3, 2014
	Client:	_ Covar	uta	_			Sampled By: 5H /	
:	Site Location:	BE-SI	JAP-OU	<u> </u>			7	
TE D	ATA					** ** ***		
		Time						
	Supposed	reference point	<u>ip!35</u>		-		Location ID E-SW	MP-DUT
141					-			
vvan		Staff Gauge (m)	10150	m	-		Logger Number	
	Str	eam Width (m)	3711)				Loger Download Time	
		Stagnant	-) No			Photos Taken	Yes / No (#
		Flow Rate	Uzn	1 m			Photo Location	\bigcirc
	. 21 1. 24							* 11 to tour-
MPL	NG PARAM Dissolved			Redox			1	
Time	Oxygen mg/L	mS or μS	pH	Potential	Temperature	Turbidity	Colour	Odour
	IIIg/L	1113 01 1,23	pH Units	mV	°C	· -		
Sampi Sai	ling Method:	D			2.		Sample ID:	
Sampi Sai Tim mple A	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour:						Sample ID:	
Sampi Sai Tim ample A	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour:						Sample ID:	
Sampi Sai Tim mple A	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour:						Sample ID:	
Sample Sample A	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour: ontainer and						Sample ID:	
Sample Sample A	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour: ontainer and	Preservation:					Sample ID:	
Sample Sample A mmple A mmple C	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour: ontainer and ATIONS Conditions:	Preservation: Temperature: Precipitation:					Sample ID:	
Sample Sample Ample Ample Co	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour: ontainer and ATIONS Conditions:	Preservation:					Sample ID:	
Sample Sample A	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour: ontainer and ATIONS Conditions:	Preservation: Temperature: Precipitation:					Sample ID:	
Sample Sample A maple Committee Comm	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour: ontainer and ATIONS Conditions:	Preservation: Temperature: Precipitation:					Sample ID:	



	Client:	12-115 COUCM W SW	r(G)				Date:	4 12 M
ITE DA	ATA							
		Time	10:4	5			Location ID	SWMP-OU
	Surveyed	reference point						
Wat		taff Gauge (m)	0,30	m	1		Logger Number	
	Str	eam Width (m)	7.3	<u>n</u>	_		Loger Download Time	i
		Stagnant	1				Photos Taken	Yes) No (#
	Flow Rate		Slow				Photo Location	
AMPLI	NG PARAN	ETER						
Time	Dissolved Oxygen	Conductivity	рН	Redox Potential	Temperature	Turbidity	Colour	Odour
	mg/L	mS or µS	pH Units	mV	℃			
Sampi Sai	ing Method:	D			ží.		Sample ID:	
Sampl Sai Tim ample A	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour:				=		Sample ID:	
Sample Sal	ing Method: mple Depth: ne Sampled: ppearance: Colour: Odour:				=		Sample ID:	
Sample Sample Aparmple Co	ing Method: mple Depth: le Sampled: ppearance: Colour: Odour: ontainer and ATIONS Conditions:				=		Sample ID:	
Sample Sample Aparmple Co	ing Method: mple Depth: e Sampled: ppearance: Colour: Odour: ontainer and	Preservation:			=		Sample ID:	
Sample Sample Aparmple Co	ing Method: mple Depth: me Sampled: ppearance: Colour: Odour: ontainer and ATIONS Conditions:	Preservation:				Dup tak	Sample ID:	
Sample Sample Aparmple Co	ing Method: mple Depth: me Sampled: ppearance: Colour: Odour: ontainer and ATIONS Conditions:	Preservation: Temperature: Precipitation:			=	Dup tak	Sample ID:	



PROJECT INFOR							
Project Numbe		1 - 815	5			17 / 74	1 13,2014
Clien	-	n 19	-			Sampled By:	24
Site Location	n: <u>54) </u>		-				
SITE DATA			7800 State				granus ana jiya ee jiya ee jiya
	Time	100	ς]		Location ID 511)	1
Surveyed	reference point			1		1 200	1
Water Depth at	Staff Gauge (m)	0.1	5m	1		Logger Number	
S	ream Width (m)		/n1			Loger Download Time	
	Stagnant	Yes	/No	1		Photos Taken	1
	Flow Rate	SIDE	U	7		Photo Location	
				1		T (NO LOCALIO)	
AMPLING PARA	METER						
Time Dissolved Oxygen	Conductivity	рН	Redox Potential	Temperature	Turbidity	Colour	Odour
mg/L	mS.br µS	pH Units	mV	°C	NILI		
1	1 1					J.	1
0:15	3999	8,13		1,4	7063	chan	mme
	flashim	37.2		1,4		chan	mme
	flashim	37.2			7063		
	flashin	5			7063	. O a complete of a complete of the contract of	
AMPLING RECO	flashin	5			7063		mple token.
MPLING RECO Sampling Method Sample Depth	flashim	5			7063	Sample ID: NO 50	mple token.
Sampling Method Sample Depth Time Sampled:	flashim	5			7063	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled mple Appearance: Colour	flashim	5,			7063	Sample ID: NO 50	mple token.
Sampling Method Sample Depth Time Sampled: imple Appearance: Colour: Odour:	flashim	5,			7063	Sample ID: NO SG	mple token.
Sample Depth Time Sampled	flashim	5,			7063	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled ample Appearance: Colour:	flashim	5,			7063	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled: mple Appearance: Colour: Odour:	flashim	5,			7063	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled: mple Appearance: Colour: Odour:	flashim	5,			7063	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled: mple Appearance: Colour. Odour: mple Container and	flashim	5,			7063	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled: mple Appearance: Colour. Odour. mple Container and	flashim	5,			7063	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled: mple Appearance: Colour: Odour: mple Container and	flashim	5,			7063	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled: mple Appearance: Colour: Odour: mple Container and	flashim ab	5,			7063	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled: mple Appearance: Colour: Odour: mple Container and	Preservation: Temperature: tt Precipitation:	5,			7063	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled: Imple Appearance: Colour: Odour: Imple Container and SERVATIONS Teather Conditions: Currer Precipitation of p	Preservation: Temperature: tt Precipitation:	5,			7063	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled: mple Appearance: Colour: Odour: mple Container and	Preservation: Temperature: tt Precipitation:	5,			7e.63	Sample ID: NO SG	mple token.
Sampling Method Sample Depth Time Sampled: mple Appearance: Colour: Odour: mple Container and SERVATIONS eather Conditions: Currer Precipitation of p	Preservation: Temperature: tt Precipitation:	5,			7e.63	Sample ID: NO SG	mple token.



		r: <u>12-115</u> t: <u>Covar</u> r: 322		_			Date: Jov	13,2014 H/LM
ITE DA						renine		
		Time	1112		7			
	Surveyed	reference point	11.00	5	-		Location ID Su	以
Wate		Staff Gauge (m)	 -		1			
		ream Width (m)	× 100	terow	rice		Logger Numbe	r
		Stagnant	J. 50	n width	4		Loger Download Time	
		Flow Rate	Yes / No Slow flow, 465				Photos Taken	/es) No (#)
		FIOW Rate	31023 F1	ow, 46	*		Photo Location	1
LUPLIN	IG PARAN	FTED	roa (des)			المد موزنات المسادر المد	ه محمد در استان اس	
Time	Dissolved Oxygen mg/L	Conductivity mS or μS	pH pH Units	Redox Potential mV	Temperature °C	Turbidity NTO	Colour	Odour
125		3160ms	7.98		0.3*4	tow mel	Shight bound	None
10 Pi 10 I	a presen	وخاموا المهاجات في والي					3	
	G RECOR				<u> </u>			
-	ng Method:	24 24	<u> </u>	le samp	le.		Sample ID: Sw	2
	ple Depth:	11:25		 -		Dup tak	en? / Dup ID: No (lup taken.
	Sampled:_ pearance: Colour:_ Odour:_	Slight be	oan/m	norky col	.00 <i>1</i> -		Turbidity: Low / Med	ium / High to-medium turbic
		Preservation: ty bottles	. No 4	O (O SO (O A	tve.			
ERVA	TIONS							
	anditions:	emperature:	~ 3°C					
	onditions:	emperature:						
	onditions:	recipitation:	DON.	1-5 6mm				
ather Co	onditions: T Current F ation of pas	recipitation:	Non.		md I I	and the state of		
ather Co	Current F	Precipitation:	Some :	appea	red to b	oe horbij	d, one odour	nosheen.



5-3-4	C I INLOH	12-115	1-0155				7	12
Pro	ect Number Client		inta inta	_			and the second s	13, 2014
9	Site Location	-		-			Sampled By:	1/LM
	J. (0 2000a07.		· · · · · · · · · · · · · · · · · · ·	-				
ITE D	ATA				X-1,			
		Time	11346)			Location ID Si	3
	Surveyed	reference point			1			
Wat	er Depth at 8	Staff Gauge (m)	AMC)	0.5m	1			
	Str	ream Width (m)			1		Logger Number	
		Stagnant		/ No			Loger Download Time	
		Flow Rate		moving :	1		Photos Taken	
			TUSTI	novoy.			Photo Location	
ÄMPLI	NG PARAN	ETER .		20845,ETC	· · · · · · · · · · · · · · · · · · ·	g.75V35174		
	Dissolved	Conductivity	pН	Redox	Temperature	ت ند د د د د د د د د د د		
Time	Oxygen mg/L	mS or μS	pH Units	Potential mV	°C	Turbidity	Colour	Odour
1342		1,1160,45	8.17		0,5%	4.76	Clear	No odour/
						<u> </u>		noshe
					-			
					-	Бир так	sen? / Dup ID:	
				· · -	-			
ample A	ppearance: Colour:				_		Turbidity: Low / Medi	ium / High
	Odour:_				_			-
ımple C	ontainer and	Preservation:			-			
•								
			•	·		····		
								
					·			
SERV	ATIONS							
	Conditions		_0		فالوف وبداله فعقالهم			
		Temperature:_						
	Current	Precipitation:_	Nov	e.				
		st 24 / 48 hrs:_						
Notes:_	Fastm	evina .c	dear u	outer, r	no odoo	r nest	nen, foun	noted in con
مللم						7		
	ctura ho	hina ita	boida	L COM	~ G~~	Lad	is order A	Canada I.
<u> </u>	cting be	thing ice	bridge	L SON	ne ban	noted	is order in	general. Ice
nd_	cting be snaam	thing ice	bridge	L SON	ne ban	noted	is order is	general. Ice c



ROJEC	TINFORM	MITON						
Proje	ect Number:		5/701	55			Date:	m/3,2014
	Client	1 1 1	<u>mra</u>	-			Sampled By:	MILM
Si	te Location:	SW4	-	-				
TE DAT								Tr
		****		4- 13	1	to a second		
		Time	11.	00	-		Location ID 543)4
		reference point						
Wate	r Depth at S	Staff Gauge (m)	6.4	Um			Logger Number	
	Str	ream Width (m)	2,3/11]		Loger Download Time	
		Stagnant					Photos Taken	(Yes) No (#
		Flow Rate		-]		Photo Location	
				•			11100 200001011	
MPLIN	IG PARAN	ETER					the second of the second second	
Time	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity NTU	Colour	Odour
ŗα		1,440	8.25		1,5	4.48	light brown	m
17. 1	mar con				0.3			
MPLIN	IG RECOR	D				J - 19.		.
Sampli	ng Method:						Sample ID:	
San	nple Depth:					Dup take	en? / Dup ID:	
Time	Sampled:							
nple Ap	pearance: Colour:						Turbidity: Low / Medi	ium / High
	Odour:							
	ntainer and	December						
nple Co	illanio and	Preservation:						
nple Co	illali ei ailu	Preservation:						
nple Co	ritali fer al lu	Preservation:	ų.	· · · · · · · · · · · · · · · · · · ·				
nple Co	ritali er alla	Preservation:				<u></u>		
mple Co	rical for all C	Preservation:	v					
		Preservation:						
SERV/	ATIONS	Preservation:						
SERV/	ATIONS Conditions:	Temperature:						
SERV/	ATIONS Conditions:							
SERVA eather C	ATIONS Conditions:	Temperature:						
eather C	ATIONS Conditions:	Temperature:_ Precipitation:_	ight	tu 1:	Acos	leisem	t. Light	honum.
SERVA eather C	ATIONS Conditions:	Temperature:_ Precipitation:_	igh!	ty 1	NOMS!	listen	it, light	brown,
eather C	ATIONS Conditions:	Temperature:_ Precipitation:_	igh!	ty I	nems i	uscen hon	it, light	brown,



PROJE	CT INFORM	ATION					.	
Pro	ject Number:	12-115	-015	5			Date:	arch 31, 2014
	Client	CONVI	4NTA				Sampled By:	yre Shearer
:	Site Location:							
SITE DA	ATA							
		Time	1449				Location ID W-	SWMP-OUT
	Surveyed	reference point						
Wat	ter Depth at 8	Staff Gauge (m)	0,300				Logger Num	ber
	Str	eam Width (m)	0.50				Loger Download Ti	ime
		Stagnant		/No			Photos Tak	ken (Yes / No (#)
		Flow Rate	medit	ins	Ì		Photo Local	tion
					•			
SAMPL	NG PARAM	ETER			the grant of	JA Kel		
Time	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature	Turbidity	Colour	Odour
1449		615	8,90		2.2	103	slightly cloudy	None
	14.							
SAMPL	NG RECOR	ID .						
Samp	ling Method:	Pole	986		_		Sample ID:	1
Se	mple Depth:					Dup tal	ken?/ Dup ID:	r pup 2
Tir	ne Sampled:							
Sample A	olour:						Turbidity: Low /	Medium / High
	Odour:							
Sample C	ontainer and	Preservation:	Notes					
		Mast	ilala	tenas	oN 0	tlet	See ahot	too. Estlet
		dell	north	Strale	. North	h of	1	ad . Marchal
		E+S		TUPET	downs	1	of outlet	r. Sanfrant
		consta		activi			place	
operal	ATIONS				* * * * * * * * * * * * * * * * * * * *			and the same and t
	Conditions:						المسادية المسادية	
YY Caulo	Odridilloris.	Temperature:	90			_		
	Current	t Precipitation:	-	-,		-		
Pred	ipitation of pa	ıst 24 / 48 hrs:				_		
Notes:	•	how we		eation	the ron	red .	The awa	
140163.		- 0/C		J	· · · · · · · · · · · · · · · · · · ·			
					 -			



	4941		1-015				Date: Sampled Bv:	Kyle	-h 31, 2014 - Sheares
		CONVI		-			Sampled by:	1.7419	- DIEGIE
	,			-					
TE D	ATA				1				
		Time	1418]		Location ID	SWI	
	Surveyed	reference point							
Wa	ter Depth at S	Staff Gauge (m)	0.5m				Logger	Number	
	Str	ream Width (m)	[[/Y]		ς 134+ f	low	Loger Downloa	ad Time	
	· 	Stagnant	Yes	/ No /			Photos	Taken	Yes / No (#
		Flow Rate	169	W			Photo L	ocation	
- days makin	managem s works we got other					and the second supergraphic second			
MPL	NG PARAN			Poden		1	1 30 50 55		
Time	Dissolved Oxygen	mS or µS	pH	Redox Potential	Temperature	Turbidity	Colour		Odour
	mg/L		pH Units	mV	°C	NTU 15.6	cleac	-	rane
20		1635	8.83	_	Ψ ₈ Ι	15.4	sightly a	ordy	
Samp	NG RECOR	Poley				(F. 12-11), 1(1)	Sample ID:	SWI	
Samp	ling Method:	Polegi	Вр			~		SWI	
Samp Sa Tin	ling Method: imple Depth: ne Sampled:	Polegi	Вр		3	~	Sample ID:	SW1 DUP1	•
Samp Sa Tin	ling Method: imple Depth: ne Sampled: ppearance: Colour:	Polegi	вр			~	Sample ID:	SW1 DUP1	•
Samp Sa Tin mple A	ing Method: imple Depth: ne Sampled: ppearance: Colour: Odour:	Poleyi	ab			~	Sample ID:	SW1 DUP1	•
Samp Sa Tin mple A	ing Method: imple Depth: ne Sampled: ppearance: Colour: Odour:	Preservation:	Mes			Dup tal	Sample ID:	SW1 DUP1	•
Samp Sa Tin mple A	mple Depth: me Sampled: ppearance: Colour: Odour:	Preservation:	Notes	area	ed e	Oup tal	Sample ID:	SW)	y / High
Samp Sa Tin mple A	ing Method: imple Depth: ne Sampled: ppearance: Colour: Odour:	Preservation:	Notes Poor led	area	at e	Oup tal	Sample ID:	SW)	•
Samp Sa Tin mple A	mple Depth: me Sampled: ppearance: Colour: Odour:	Preservation:	Notes led	area	ed e	Oup tal	Sample ID:	SW)	y / High
Samp Sa Tinn mple A	mple Depth: me Sampled: ppearance: Colour: Odour:	Preservation:	Notes Poor led	area	at e	Oup tal	Sample ID:	SW)	y / High
Samp Sa Tin mple A	mple Depth: mple Depth: me Sampled: ppearance: Colour: Odour: container and Sample Con 5	Poleying Preservation:	Notes Posted In	area ruale	at e	Oup tal	Sample ID:	SW)	y / High
Samp Sa Tin nple A	ing Method: mple Depth: me Sampled: Colour: Odour: Ontainer and Sample Con 51	Preservation: Temperature:	Notes Posted In	area	at e	Oup tal	Sample ID:	SW)	y / High
Samp Sa Tin Innple A	mple Depth: mple Depth: me Sampled: ppearance: Colour: Odour: ontainer and Constainer and Consta	Preservation: Notion See pl Temperature: Precipitation:	Notes Posted In	area ruale	at e	Oup tal	Sample ID:	SW)	y / High
Samp Sa Tin Inmple A	ing Method: Imple Depth: Ine Sampled: Colour: Odour: Odour: Odour: Odours Container and Constainer an	Preservation: Cre pl Temperature: Precipitation: st 24 / 48 hrs:	Nokes Pooled Ih	area ruale	at e tals	Dup tal	Sample ID: ten? / Dup ID: Turbidity: Low	SW)	y / High
Samp Sa Tin mple A mple C	ing Method: Imple Depth: Ine Sampled: Colour: Odour: Odour: Odour: Odours Container and Constainer an	Preservation: Notion See pl Temperature: Precipitation:	Nokes Pooled Ih	area ruale	at e tals	Dup tal	Sample ID:	SW)	y / High



PROJECT INFORMATION		****	and the same of the same of			(Golder
Project Number: 12-11	51-0159				T-175111777		
Client: CONU	IANTA				Date:	March	31, 2014
Site Location:					Sampled By:	Kyle	Shearer
SITÉ DATA	30						
THE DATA							
Tim	154/		7				
Surveyed reference poir	nt		1		Location ID	she	
Water Depth at Staff Gauge (m	1 th /		1				
Stream Width (m)	(J.3m)	1		Logo		
					1	Number	
Stagnant	.00 / 1/4	lo)			Loger Downlo		
Flow Rate	low				Photo	s Taken Yes / N	lo (#
And the second second					Photo I	ocation	
SAMPLING PARAMETER		SA 5214					
Time Dissolved Conductivity	pH R	edox .		and and			
1 mod mo - (-)		ential nV	emperature	Turbidity	Colour		
1602 1065 3	8.22	-	°C	546			Odour
	3.62		2.3	555	light bu	7. 1.	
SAMPLING RECORD				-37	slightly 5	ilty more	
the same of the sa	- August 19		-				
Compile at a second				Total Service			
Sampling Method:							
Sample Depth:					Sample ID:		-
1 21 21 21 21			-		-	es Du	13
Sample Depth: Time Sampled: Sample Appearance:					-	es Du	13
Sample Depth:					7/Dup ID: Y		13
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour:					7/Dup ID: Y		P3
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour:	h-lo -				-		<i>(</i> 3
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: Odour:	wes			Cup take	7/Dup ID: Y		<i>P</i> 3
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: ample Container and Preservation:	Mes Co	R.F.	Slaghty	Cup take	7/Dup ID: Y		<u> </u>
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: Odour:	holes The cou	R.F.		Oup taken	7/Dup ID: Y	Medium / High	
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: ample Container and Preservation:	tre con		' st	Cup take	7/Dup ID: Y	Medium / High	
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: ample Container and Preservation: Parhyl	holes Tre con		' st	Cup take	7/Dup ID: Y	Medium / High	rs tary.
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: ample Container and Preservation: Parhal Se Colour	The con		, we'l	Cup taked	7/Dup ID: Y	Medium / High	
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: Partial Secretarions Secretarions	Tre con	۱۷	, we'l	Cup take	7/Dup ID: Y	Medium / High	
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: ample Container and Preservation: Partial SERVATIONS Bather Conditions: Temperature:	The con	۱۷	, we'l	Cup taked	7/Dup ID: Y	Medium / High	
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: ample Container and Preservation: Partial Se Alaca SERVATIONS Pather Conditions: Temperature: Current Precipitation:	Tre con	۱۷	, we'l	Cup taked	7/Dup ID: Y	Medium / High	
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: ample Container and Preservation: Partial SERVATIONS sather Conditions: Temperature: Current Precipitation: Precipitation of past 24 / 48 hrs:	Tre con	171	, we'l	Defeated the sentence	Turbidity: Low	Medium / High	
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: ample Container and Preservation: Partial SERVATIONS sather Conditions: Temperature: Current Precipitation: Precipitation of past 24 / 48 hrs:	Tre con	171	, we'l	Defeated the sentence	Turbidity: Low	Medium / High	
Sample Depth: Time Sampled: Sample Appearance: Colour: Odour: ample Container and Preservation: Partial SERVATIONS sather Conditions: Temperature: Current Precipitation: Precipitation of past 24 / 48 hrs:	Tre con	171	, we'l	Defeated the sentence	Turbidity: Low	Medium / High	
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PROJECT INF								1 11 TO THE THE RESERVE
Project Nu	mber: 12 - 11	51-01	55				M	30 L 31
C	illent: CON	VANT	A			Date:_ Sampled By:	12.	arch 31, 20
Site Loca	ation:		_			odubien pl:		11e Sheare
SITE DATA			·					
or the same of the							-	
	Tin	1000				Location ID	Sh	
	ed reference poi							
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		11134		4		Photo	Location	
MPLING PAR				S g Secret			774	
Dissolve Time Oxygen	Conductivity	pН	Redox	Temperature				
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	and the same of the last street, the	L			3 79	S:149 '		
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	CTINFOR							
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SILE DI					7	* * * * * * * * * * * * * * * * * * * *		
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	Surveyed	reference point			_			
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SAMPLI	NG PARAI	ÆTER			E1 7 2	13/403/11		
Time	Dissolved Oxygen	Conductivity	рН	Redox Potential	Temperature	T. 11.50		
11110	mg/L	mS or(µS	pH Units	mV	°C	Turbidity	Colour	Odour
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	R		1.0			323	>119	
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	nple Depth:	<u></u>				Dup take	en? / Dup ID:	DUPS
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ROJECT INFO						the state of the s	
	nber: 12-115		5			Date: July	2nd 2013
	ient: Covan					Sampled By: JCSS	ia, linda
Site Loca	tion: Clarin	gton	- **				
TE DATA		e e e					
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	Stagnani)/ No	de locse.		Loger Download Time	
· ·	Flow Rate			1		Photos Taken	YesV No (#)
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rng/L		pH Units	mV	°C	Turbidity	Colour	Odour
	ur:	G.				Turbidity: Low / Med	ium / High
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Pro	ject Numbe	12-115		5			Date:	200	July. 2019	
	Clien	: Covan	ta				Sampled By:		Siàa Lada)
8	Bite Location	: Clarin	gton	·					mag .	
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7/115	IG PARAN Dissolved						- Carlesiani			<u> </u>
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San					•	Dup tak	Sample ID: en? / Dup ID:	Sin	2b	*
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Project Number 2 - 1151 - 0155 Client COV OUT 12 Step DATA Sampled By: Jess St. A London ID Street DATA Time Longoir Number Surveyed reference point Waler Doph at Staff Gauge (m) Longoir Number Stagnant Yee No Flow Rate Next (m) Stagnant Yee No Flow Rate Next (m) Protestal may Insert Data Protestal Temporature Time Conductivity ph Readow Temporature Temporature Time Conductivity ph Protestal may Insert Data Insert Data Protestal may Insert Data Insert Data		CT INFOR							The state of the s
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Precipitation of past 24/48 hrs:								ω.	
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No odour, no sheen proser	000	ماد حاد	boic in a	pol	DI-UKE K	•			
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	CT INFOR						The state of the s		T. Charles
Pro		12-115	1-015	5			Date:	2nd July	2013
		" Covan		-			Sampled By: 1	ssica Linc	da
;	Site Location	- Clarin	gton	-				,	
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		Time	4:03	pm·] "		Location (D	Sw# 4	
	Surveyed	reference paint				11			
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	St	ream Width (m)					Loger Download		
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L	·	Flow Rate	Low	flow, 1	on water		Photo Lo		
	nio Palkan	ETED .	والدار استكنت ساري	معصدو كشاودات	-		the Manager Assessment Assessment assessment		¥
4.	Dissolved			Redox					
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	<u> </u>			L	<u> </u>] 3		
	mple Depth:					Dup tak		J. Du	p
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	CT INFOR							TO TRANSPORT
Pro		<u> 12-115</u>	1-015	5				July 2013
	Clien	t: Covan	ta	_			Sampled By: Je.	ssica. Linda
1	Site Location	: Clarin	apou	-				
SITE D	ATA		2.1	-				
		Time	4:35	٥٠٠٠ -	lt.		Location (D	5wm 3
	Surveyed	i reference point]	24		
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		Stagnant		/(No)	1		Photos Take	n Yes / No (#
	· ·	Flow Rate	Medio	n flow], water lev	ed is	Photo Location	
SANO!	ng Para	(a) -	THE STATE OF		1000 H	אה תנה נפע		
	Dissolved	Conductivity	рН	Redox	-	Ē.,		
Time	Oxygen mg/L	mS or µS	pH Units	Potential mV	Temperature °C	Turbidity	Calour	Odour
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Sa	ling Method: mple Depth: ne Sampled:				•	Dup tak	en?/Dup ID: SU	
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Pro		r <u>. 12-115</u>		5			Date: JU	the state of the same of the s	2:
		: Covan		_			Sampled By: N.Co.	254 T. MANSOLL	-21.
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-		Flow Rate	N	10	1			Yes/No (# MANY	4
L				A	_		Photo Location] .
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Time	Dissolved Oxygen mg/L	Conductivity m3 or µ8	pH pH Units	Hedox Potential mV	Temperature °C	Turbidity	Colour	Odour	
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								OPHER SAMPLING	



PROJ	ect infor	MATION						Associates	ን ማ
P	roject Numbe	r <u> 12-115</u>	1-015	5			Date: TILLY	The same of the sa	-: -
		: <u>Covan</u> : <u>Clarin</u>					Sampled By: N. 601	1541 & J. HADSLAR	n
	Site Location	- CIMO	giva	-					
SHIP	ATA			Marine Z				THE STATE OF THE S	**
		Time	2:00	PM]		Location ID E_S	WHP_1N-125100	·
	Surveyed	reference point	N	4		*		100	4
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	Odour:	546h	oneg	VIL Opo	un			•	
		Preservation:		L.	/	V.	7		/
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		RIF CALL	70.0						
Time	Dissolved Oxygen mg/L	Conductivity	pH pH Units	Redox Potential mV	Temperature °C	Turbidity	Colour	Odour	
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	ing Method:	01	Can	ale	1	Carlon li	Sample ID: SW	110 5	
	mple Depth:	5111	ful	1	. (W-5-IN	INSIDE
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OBSERV	ATIONS								
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PROJE	CT INFOR	MATION		10 mg				TENERAL MANAGE	F.17
Pr	oject Nu mbe	n 12-115	1-015	5			Date: July	10 2013	
	Clien	e: Covar	ta	_			Sampled By:	TEM	-
1	Site Location	n: <u>Clarin</u>	aton	- 22					
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QAME C	Dissolved	The street of th		Redox					
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	Odour:								
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Sampli San Time	Oxygen mg/L.	mS or μS	•	Potential mV	*c		Sample ID: Sto	
Sampli San Time	Oxygen mg/L. IG RECOR Ing Method: Inple Depth: In Sampled: In Sam	mS or μS	•	Potential mV	*c		Sample ID: Sto	Dup
MPUN Sampli San Time	Oxygen mg/L IG RECOR Ing Method: Inple Depth: In Sampled: In Samp	mS or µS	•	Potential mV	*c		Semple ID: Sud	Dup
MPUN Sampli San Time	Oxygen mg/L IG RECOR Ing Method: Inple Depth: In Sampled: In Samp	mS or μS	•	Potential mV	*c		Semple ID: Sud	Dup
Sampli San Time	Oxygen mg/L IG RECOR Ing Method: Inple Depth: In Sampled: In Samp	mS or µS	•	Potential mV	*c		Sample ID: Swammer? / Dup ID: Swammer / Dup ID:	DOP
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Sampli Sample Apmple Apmple Co	Oxygen mg/L IG RECOR Ing Method: Inple Depth: In Sampled: In Samp	mS or µS	•	Potential mV	*c		Semple ID: Star	DOP
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B. Haddaniak 4247	Dissolved	Conductivity	pH	Redox	Townselves				20. 7
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SAMPLI	ng recor	D	- 1			4.5			
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PROJE	CT INFOR	MATION						
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		: Covan		_			Sampled By:	J/EM
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	e Sampled: ppearance: Colour:						ren? / Dup ID: SW	,
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	(-	0.110	20,	yer	y sha	160 C	2 +0 EC	ast side.



Project Number: 12 - \\S1 - O\S5 Client: CNANTA Site Location: C\\Car\A\	OJECT IN			سب نمت					
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Time					-			Sampled By:	Y/DV
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		Flow Rate			j		Photo Location	
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	mg/L	mS or μS	pH Units	mV	*c	rarbialty	Colour	Odour
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ample App	Colour:						Turbidity: Low /	Medium /High)		
BSERVA1 Veather Co	inditions:	and the second s				Spill	Reports Ra	=site @ 5	fm me of si	oil ha	d been rain
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		st 24 / 48 hrs:				Report	redly - amail gallo	1> Area o	f spill 2	30f×30	ffcxtent o
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Pr		or: <u>12-115</u>		5			Date:	2	8/06/2013
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Wat		reference point Staff Gauge (m)			-	#			
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AMPLI	NG RECOR								
Sampl	ing Method:	Pole-	grabs	ample			Sample ID:	05W	MP-IN
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