

Water, Energy & Business Support Programme
Office of Environmental Sustainability
Environmental Protection Agency
PO Box 3000
Johnstown Castle Estate
Wexford

18/04/2025

UÉ Ref: LT0825

Re: Blessington Wastewater Discharge Licence Application D0063-02

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Dear Inspector,

In response to the Regulation 18(3)(b) request for information notice dated 17 February 2025, please see below relevant information;

Provide the capacity of storm tank

The capacity of the storm tank is ca. 345m³

Provide the capacity of storm lagoon

The capacity of the storm lagoon is ca. 305m³ (bundled/lined lagoon). Total capacity of the entire lagoon area is approximately 5,500m³

Provide the appendices as mentioned in the impact assessment

Please see attached the relevant appendices:

- Appendix A: Final treated effluent pipeline
- Appendix B: Bathymetric survey, March 2023
- Appendix C: Model log .

Describe the existing or proposed measures to prevent unintended discharges into the water environment

The Blessington WwTP upgrade has been designed to ensure that all emissions from the agglomeration will comply with or will not result in the contravention of any national or European legislation. The WwTP is operated in accordance with current best practice for wastewater treatment plants. Uisce Éireann is committed to ensuring that water services infrastructure operates in a manner that supports the achievement

of the water body objectives under the Water Framework Directive and the obligations under the Birds and Habitats Directives. Blessington WwTP is a DBO operated plant, for which a Performance Management System is in place. Such a system provides a uniform approach to dealing with performance management issues, including procedures for dealing with plant operation, and for dealing with emergencies or failure to meet treated effluent standards. Consequently, the risk of environmental pollution from the treatment plant should be significantly reduced. Standard operating procedures and an emergency plan is in place at to ensure unintended waste water discharges and potential impacts on the environment are kept to a minimum.

The wastewater flows into the inlet works where the storm flow is separated from the flow to be screened and treated. The storm flow is screened over a 6mm screen. Flows in excess of Full Flow to Treatment are diverted from the inlet chamber to the storm tank, via a 6mm storm screen. The storm tank has a capacity of ca. 337-345m³. If storm flows exceed the capacity of this storm tank, they overflow to a bunded storm lagoon with a capacity of ca. 305m³. If the capacity of the bunded storm lagoon is exceeded, flows then spill over into larger lagoon area which is ca. 3155m² (ca. >5000m³). This may only happen in an extreme emergency scenario. When influent flows subside to appropriate levels, the flows to the storm tank and the bunded lagoon are pumped back to the inlet works, from where they will be passed on for full treatment. Approximately 650m³ is returnable.

The treatment facility is linked to a telemetry SCADA system which alerts the DBO in the event of a malfunction.

Standby and duty pumps are in place where required e.g. inlet works, RAS pumps, with duty with standby screens and air blowers in place also. There is standby emergency generator onsite for use in the event of a power outage.

There are no stormwater overflows discharges from the plant or from the network.

Provide daily flow data from the Poulaphouca Dam to Golden Falls from 2020 to date

Please refer to appendix D for the flow data as requested.

Provide confirmation, including supporting documentation, that demonstrates there will be a constant flow maintained in the vicinity of the discharge in the future to facilitate adequate mixing.

This request will be responded to as part of EPA RFI request dated 01 April 2025.

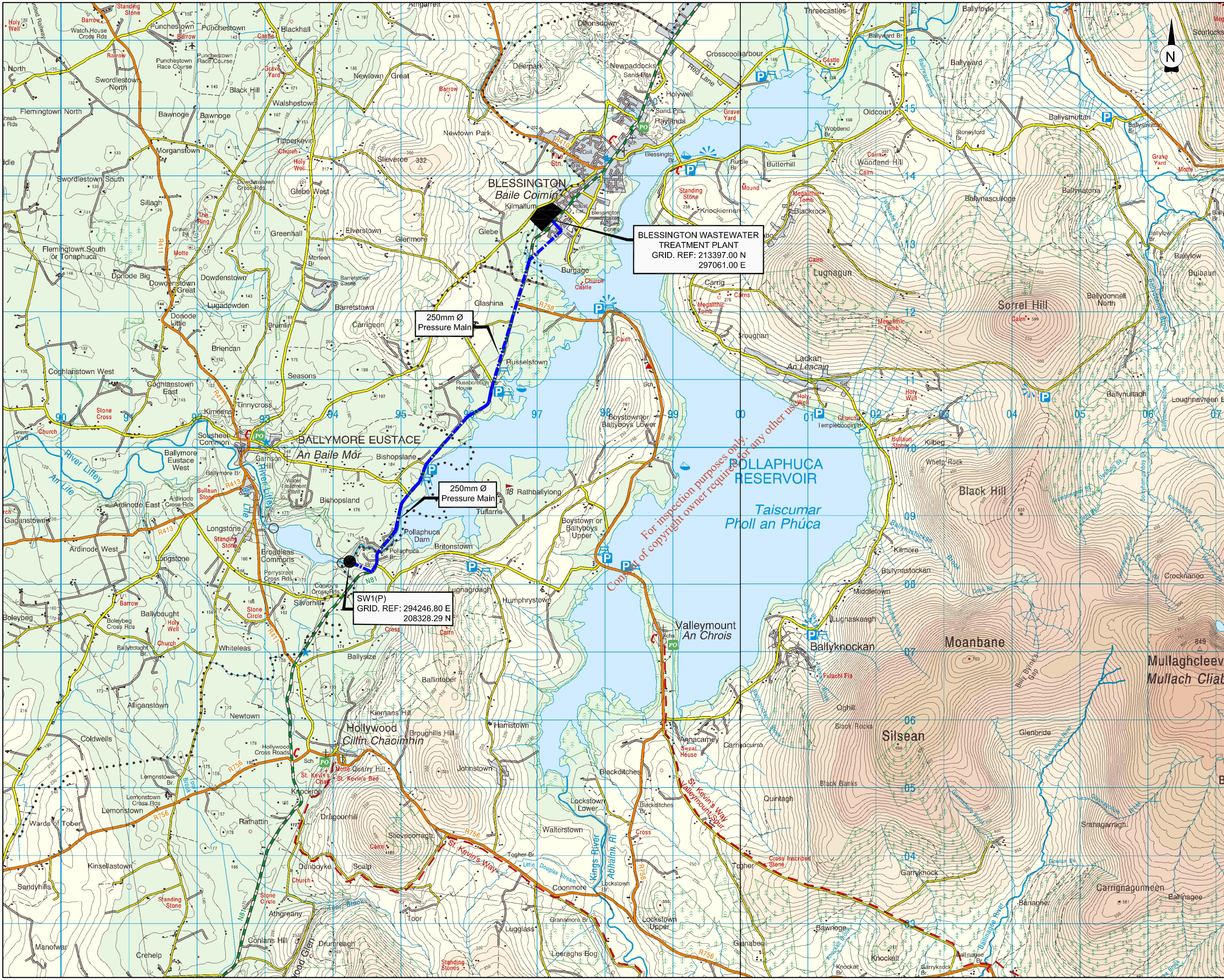
Yours sincerely,


Peter Keegan

Peter Keegan

UÉ Wastewater Strategy

Appendix A: Treated Effluent Pipeline



BLESSINGTON WASTEWATER
TREATMENT PLANT
GRID. REF: 213397.00 N
297061.00 E

250mm Ø
Pressure Main

250mm Ø
Pressure Main

SW1(P)
GRID. REF: 294246.80 E
208328.29 N

- NOTES
1. This drawing is the property of RPS, it is a confidential document and must not be copied, used, or its content divulged without prior written consent.
 2. All Levels refer to Ordnance Survey Datum, Main Head.
 3. DO NOT SCALE, use figured dimensions only, if in doubt ask.

A02	08/06/08	Issue for Approval	
A01	03/06/08	Issue for Approval	
No.	Date	Amendment / Issue	App

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Client

 **WICKLOW
COUNTY
COUNCIL**

Project

**APPLICATION FOR WASTEWATER
DISCHARGE LICENCE**

Title

**BLESSINGTON WASTEWATER
TREATMENT PLAN AND
PRIMARY DISCHARGE POINT
LOCATION**

Drawing Status	Sheet Size	Drawing Scale
APPROVAL	A3	1:500
Drawing Number	Rev	
MDW0350/DG B.6	A02	
Drawn By	Checked By	Approved By
LP	JLS	GG
		Date
		03/06/08

Appendix B: Bathymetric survey, March 2023

Golden Falls Reservoir

Bathymetric Survey & Water Sampling Report



Prepared By:

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Prepared for:

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February 28th 2023

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1.0 INTRODUCTION

1.1 Survey Objectives

In June 2022, Irish Hydrodata Ltd. (IHD) was commissioned by Uisce Eireann (UE) to carry out a bathymetric survey and water sampling at the Golden Falls Reservoir, Co. Kildare (Figure 1.1).

The primary objective was to acquire sufficient data to support a WWDL modelling exercise for the Blessington WWTP.

A secondary objective was to compute the stage-volume relationship for the reservoir.



Figure 1.1 - Golden Falls Reservoir, Co. Kildare

Permission was required from ESB in order to carry out the survey works. ESB needed to isolate the dams and power stations at either end of the reservoir before granting permission. For this to happen, they could only discharge a consistent flow at Golden Falls of approx. 2 m³/s. It was thus necessary to await a time of year when river flows were naturally low.

The survey was eventually carried out in February 2023.



1.2 Work Specification

The specification for the work was outlined in the UI email dated May 16th 2022. An extract is shown below describing the scope of the works.

A. Bathymetric survey of Golden Falls Lake and main channel of Liffey-040

- a. Survey method to be as per attached method statement in Poulaphouca 2018/19 or similar approved
- b. Preparation of site-specific method statements, safety statements and risk assessment (as per attached)
- c. Preparation of bathymetric survey report to include stage-volume relationships
- d. Provision of data in XYZ format

B. Water Quality sampling

- a. Undertake Surface and Bed samples at 8 locations through the lake for BOD, DO, Ammonia, TON, MRP, Total Phosphorus and Total Nitrogen, Ecoli and Enterococci
- b. Vertical Phys-chem sonde profiling at same 8 locations (conductivity, temperature, DO) at 1m intervals
- c. Data to be provided in Excel.

1.3 Survey Co-ordinate reference system and vertical datum

The preferred co-ordinate reference system (CRS) of the client Uisce Eireann, is Irish National Grid (ING). The survey was itself positioned in real-time on the more modern Irish Transverse Mercator (ITM) and was transformed to ING during post-processing.

The elevation data was surveyed to OD Malin (ODM) but was also converted to OD Poolbeg (ODP) at the request of the client (Table 1.1).

Co-ordinate reference system	Vertical Datum 1	Vertical Datum 2
Irish National Grid	OD Malin	OD Poolbeg

Table 1.1 Project CRS and Vertical Datums

All mapping and elevations shown in this report are on ING and ODM.

However, **two** final bathymetric XYZ datasets are provided to the client, namely:

- 1) ING + ODM
- 2) ING + ODP



2.0 BATHYMETRIC SURVEY

2.1 General

The weather plays a major part in the quality of the data. Generally, the calmer the weather conditions, the better the data quality. It was thus necessary to plan survey operations to coincide with a relatively good weather window.

2.2 Survey Dates

Personnel and equipment were mobilised to site on Feb. 15th 2023. Relevant inductions were done and the Permit to Work was obtained. The survey boat was then launched. The bathymetric survey and water sampling were carried out on February 16th 2023. The dates are summarised in Table 2.1

Survey dates	Task
Feb. 15th 2023	Mobilise to site
Feb. 16th 2023	Carry out all survey work

Table 2.1 Survey dates

2.3 Survey Equipment

Survey Vessel

The IHD survey vessel 'Blue Fin' (Figure 2.1) was used for the work. The vessel is a 20' launch with cabin and is fully equipped with safety equipment including in-hull echosounder transducers. The vessel is very manoeuvrable and can operate in shallow waters of about 0.9m. The DoT P4 licence No is 1297.



Figure 2.1 IHD Survey Vessel "Blue Fin"

Positioning

Positioning of the survey vessel was achieved using Trimble Ag132 DGPS with EGNOS/IBAS corrections. Positioning was on Irish Transverse Mercator (ITM).



Echosounder

A Knudsen 320M simultaneous dual frequency (33kHz, 210kHz) precision survey echosounder was used to acquire the depth information.



Speed of Sound in Water

Speed of sound in water was measured using an Odom Hydrographics Inc. 'Digibar'.

Survey Software

The survey was managed using the latest version of the hydrographic survey software package 'Hypack'.

2.4 Survey Method

The survey vessel was launched from the slipway at Golden Falls Water Ski Club (Figure 1.1). All vessel operations were confined to daylight hours.

The speed of sound in water was measured at the beginning and end of the survey. This is required to calibrate the echosounder.

The pre-planned bathymetric survey lines are shown on a helmsman's display so that the survey vessel skipper can steam the vessel along the required lines. Survey lines were run at 10m line spacing generally in the narrow section of the river downstream of the Poulaphuca Power Station. 20m line spacing was typically used in the wider 'bowl' area of the reservoir. The objective was to obtain survey cross-sections at right angles to the underlying contours in order to maximise accuracy. The survey trackplot is shown in Figure 2.2.

A temporary benchmark (TBM) was installed at the slip at Golden Falls Ski Club using GNSS techniques. The computed coordinates are listed in Table 2.2. The computed OD Malin level of the TBM was converted to OD Poolbeg by adding 2.70m. This is the typical shift applied countrywide. There is no site-specific adjustment available for the Blessington area. The water levels observed during the survey are listed in Table 2.3.

Data was post-processed using 'Hypack' hydrographic survey software and elevations reduced to both OD Malin and OD Poolbeg at the request of the client.



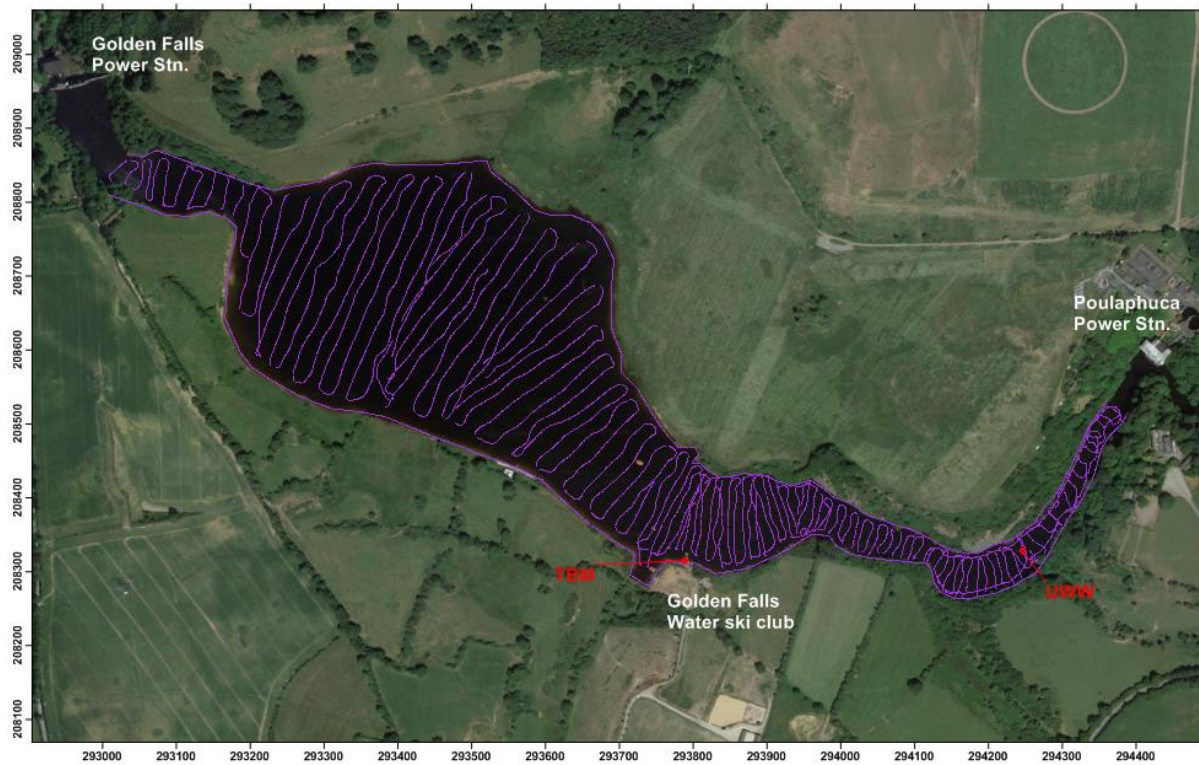


Figure 2.2 - Bathymetric survey trackplot

ITM East	ITM North	OD Malin (OSGM15)	ING East	ING North	OD Poolbeg
693720.1	708347.2	134.86	293789.91	208315.18	137.56

Table 2.2 TBM at Golden Falls Water Ski Club Slip

Date	Time (GMT)	WL m OD Malin (OSGM15)	WL m OD Poolbeg
Feb. 16 th 2023	10:00	134.88	137.58
Feb. 16 th 2023	13:00	134.86	137.56
Feb. 16 th 2023	17:30	134.83	137.53

Table 2.3 Water level during survey

2.5 Survey Accuracies

The expected accuracies achievable from the equipment and method outlined in the previous sections are +/-0.5m in the horizontal and +/-0.1m in the vertical.



3.0 STAGE-VOLUME ASSESSMENT

3.1 Dataset of Ground Levels

The depth data was acquired at a rate of about 10Hz as the survey boat traversed the reservoir. So, for a survey speed of 5kts (2.6m/s) there was a depth value acquired at approximately every 0.26m of horizontal distance travelled. During post-processing, the depth data was converted to ground levels above OD Malin (ODM) datum and the dataset was typically reduced in size to approximately one data point every 1m of horizontal distance.

The survey boat was generally able to go to within about 5m to 15m of the shoreline. In the narrow section of the river downstream of the Poulaphuca power station, overhanging trees was the reason for this, while in the 'bowl' of the reservoir it was the shallow depths. Using field observations and by digitising suitable mapping, extra data points were estimated at the water's edge, using the water level that pertained during the survey.

The upstream extent of the survey was determined by a boom which was positioned across the river some 50m downstream of Poulaphuca Power Station.

The downstream extent was determined by an exclusion zone limiting work to within 100m of the Golden Falls Power Station.

Appendix A contains some photos taken on site which illustrate some of the descriptions mentioned above.

3.2 Shoreline Delineation

The shoreline was digitised from geo-referenced mapping such as OpenStreetMaps and GoogleSat and also by considering the extents of the survey data. This 'boundary' file was used to limit the data interpolation in the ground model software (see section 3.5) to prevent interpolation into areas which are not part of the available reservoir storage.

3.3 Reservoir Topography

A contour map of the reservoir topography is shown in Figure 3.1. The deepest part of the reservoir is in the narrow western channel towards the Golden Falls Dam (approx. 124m ODM). Example cross-sections through the wide 'bowl' of the reservoir at E-W and N-S (see Figure 3.1) are presented in Figures 3.2a,b.



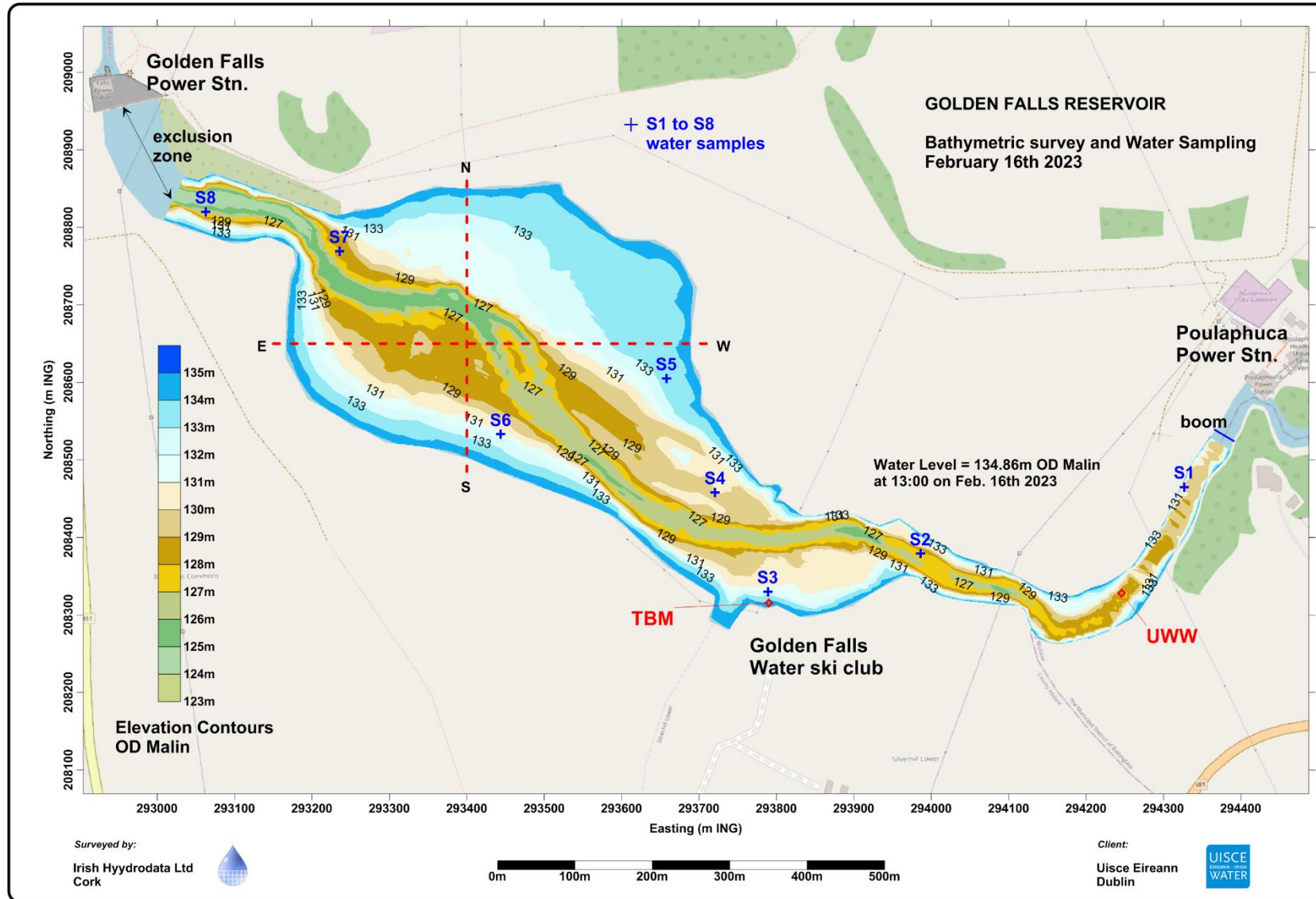


Figure 3.1 Contour Map (OD Malin)

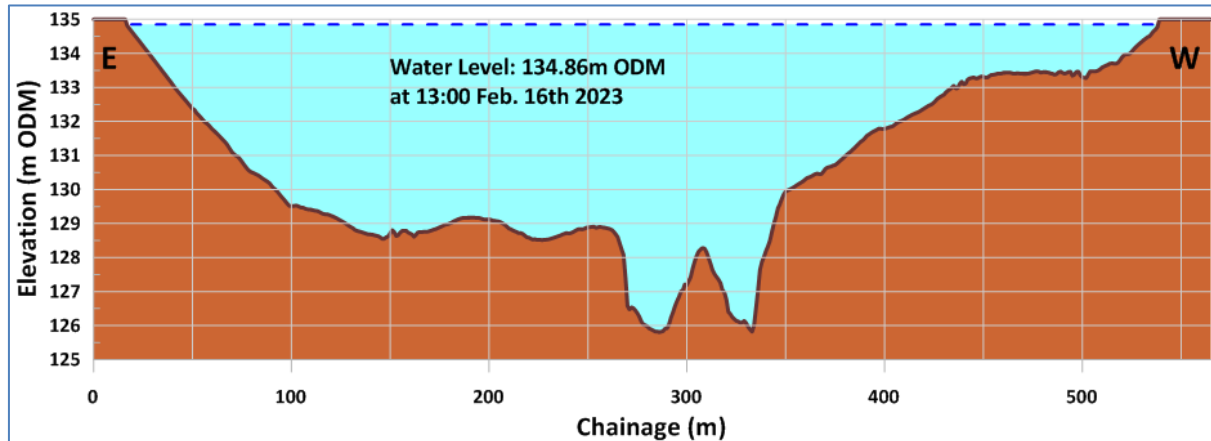


Figure 3.2a Cross-Section E-W

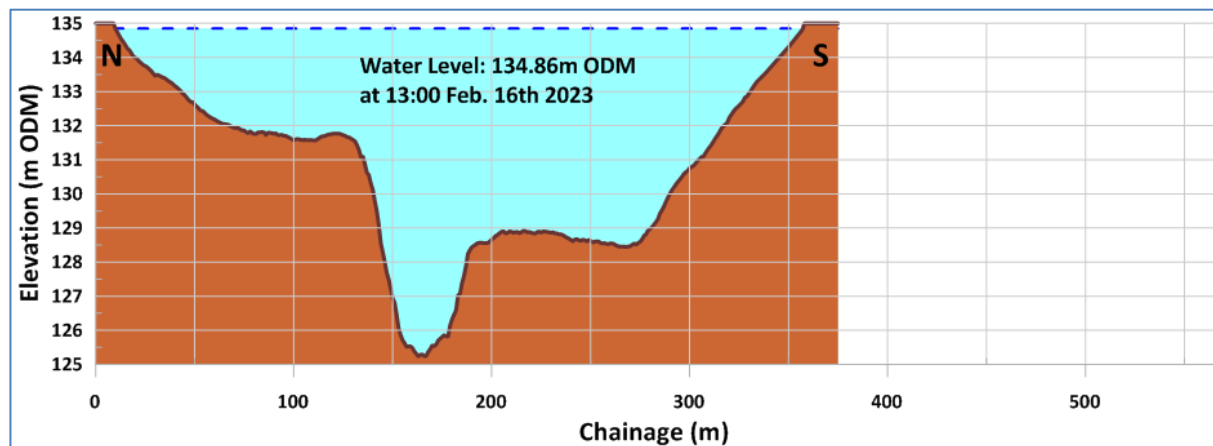


Figure 3.2b Cross-Section N-S

3.4 Volume Calculation Method

The storage volumes within the reservoir were calculated using a ground model. The main software used was the Triangulated Irregular Network (TIN) module of the hydrographic survey package ‘Hypack’. The input ground levels datafile and boundary file were as described in the previous sections. The volume in the reservoir was calculated between the ground levels and a range of water surface levels. The water surface level was increased in increments of 0.2m.

3.5 Stage vs Volume Calculation Results (ODM)

The volumes in the reservoir relative to ODM water levels (stage) are presented in Figure 3.4 and Table 3.2.

Example 1: From Table 3.2, when the water surface level is 128.2m ODM there are 74.888 thousands of m³ available in the reservoir.



Example 2: From Table 3.2, when the water surface level is 134.0m ODM there are 874.891 thousands of m³ available in the reservoir.

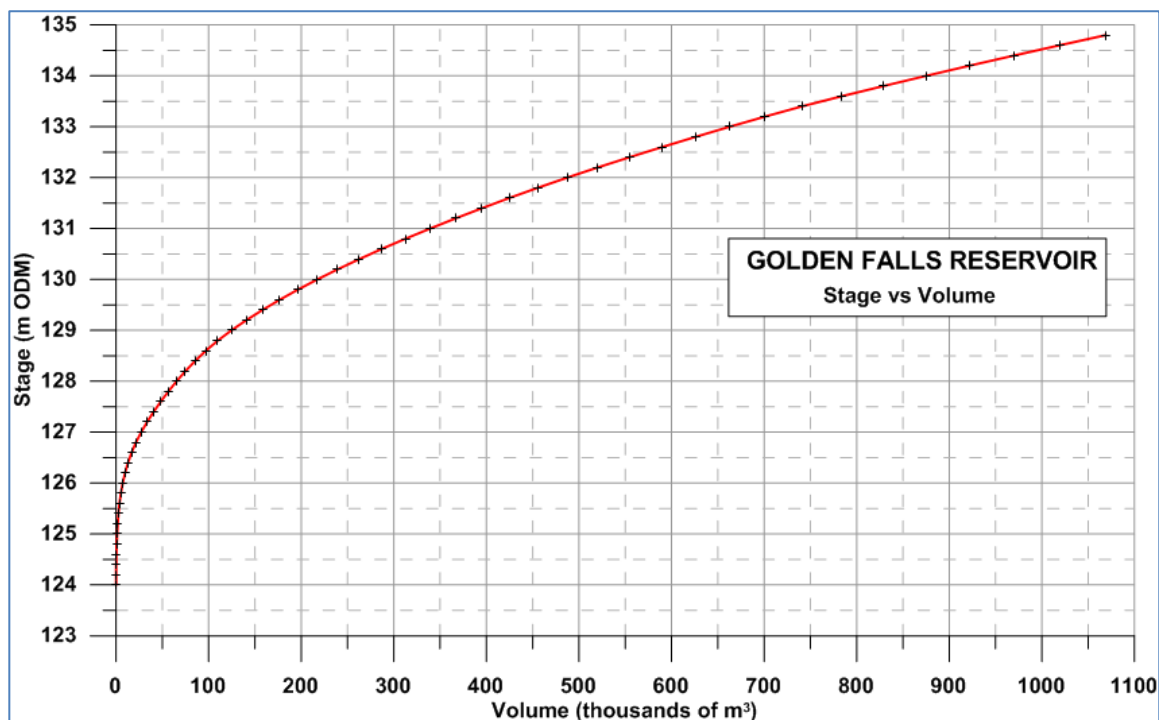


Figure 3.4 Stage (m ODM) vs Volume (results from Hypack TIN)

Water Level (m ODM)	Reservoir Volume Below Water Level (m ³)	Reservoir Volume Below Water Level (1000s of m ³)
124.0	1	0.001
124.2	18	0.018
124.4	94	0.094
124.6	294	0.294
124.8	642	0.642
125.0	1134	1.134
125.2	1748	1.748
125.4	2531	2.531
125.6	3611	3.611
125.8	5130	5.130
126.0	7154	7.154
126.2	9671	9.671
126.4	12827	12.827
126.6	16724	16.724
126.8	21437	21.437
127.0	27087	27.087
127.2	33460	33.460
127.4	40492	40.492



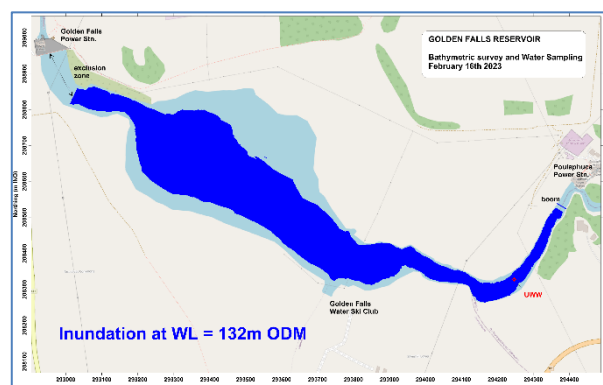
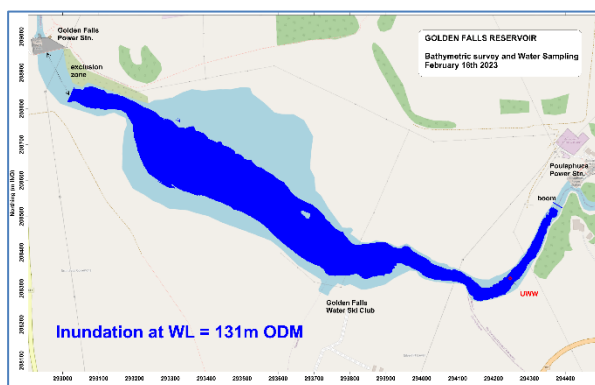
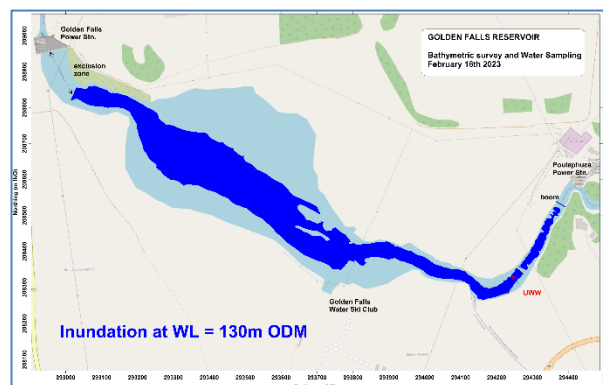
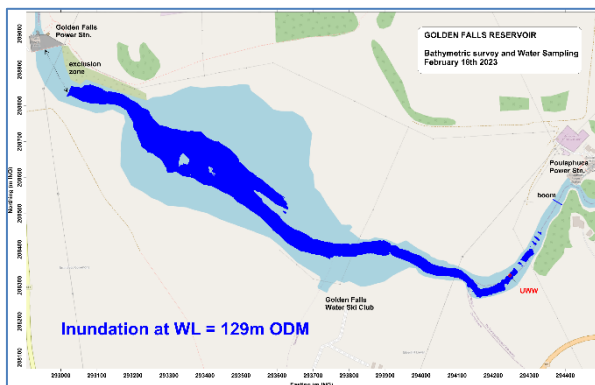
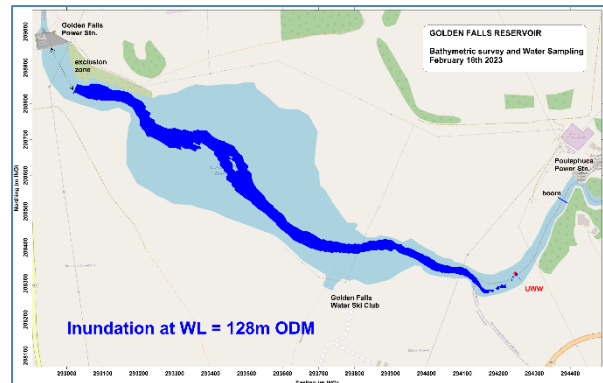
Water Level (m ODM)	Reservoir Volume Below Water Level (m ³)	Reservoir Volume Below Water Level (1000s of m ³)
127.6	48142	48.142
127.8	56396	56.396
128.0	65289	65.289
128.2	74888	74.888
128.4	85349	85.349
128.6	96899	96.899
128.8	109844	109.844
129.0	124450	124.450
129.2	140609	140.609
129.4	158021	158.021
129.6	176541	176.541
129.8	196264	196.264
130.0	217254	217.254
130.2	239451	239.451
130.4	262684	262.684
130.6	286983	286.983
130.8	312484	312.484
131.0	339050	339.050
131.2	366618	366.618
131.4	395164	395.164
131.6	424605	424.605
131.8	455229	455.229
132.0	487160	487.160
132.2	520215	520.215
132.4	554342	554.342
132.6	589461	589.461
132.8	625554	625.554
133.0	662727	662.727
133.2	701037	701.037
133.4	740839	740.839
133.6	783885	783.885
133.8	828792	828.792
134.0	874891	874.891
134.2	921980	921.980
134.4	970055	970.055
134.6	1019112	1019.112
134.8	1069146	1069.146

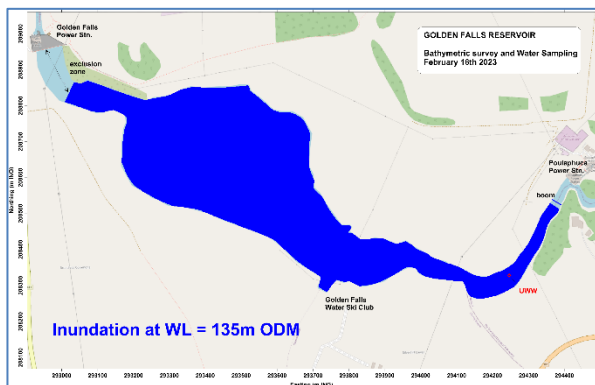
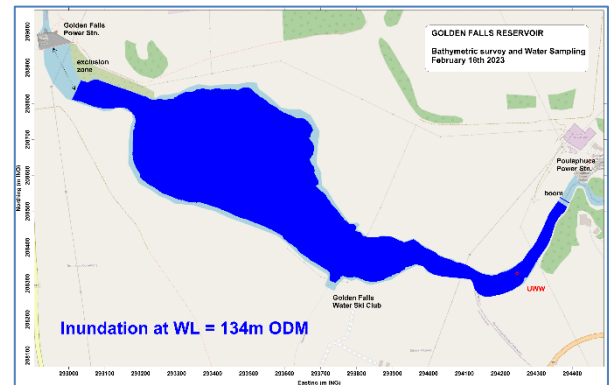
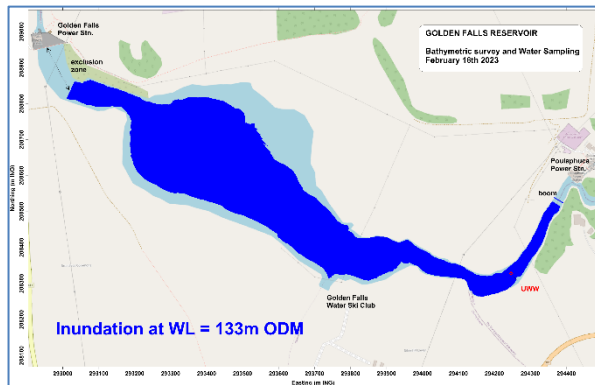
Table 3.2 Storage Volumes vs Water Surface Level ODM (results from Hypack TIN)



3.6 Reservoir Inundation

An inspection of Figure 3.4 shows that the increase in storage volume per metre increase in water level becomes more rapid when the water level exceeds about 129m ODM. To better understand why this is so, a series of plots has been compiled showing the inundation of the reservoir for different water surface levels. These are presented in Figures 3.5a-i. It is clear that the large shallow area of the ‘bowl’ of the reservoir begins to inundate at around this level.





Figures 3.5a-i Inundation extents

4.0 WATER SAMPLING

4.1 Requirements

The water sampling survey and analysis requirements are outlined below.

A. Water Quality sampling

- a. Undertake Surface and Bed samples at 8 locations through the lake for BOD, DO, Ammonia, TON, MRP, Total Phosphorus and Total Nitrogen, Ecoli and Enterococci
- b. Vertical Phys-chem sonde profiling at same 8 locations (conductivity, temperature, DO) at 1m intervals
- c. Data to be provided in Excel.

4.2 Methodology

The near-surface and near-bed water samples were collected using a water sample profiler. Sample bottles were then filled on deck for later analysis in a laboratory.

The profiler collects 5 litres of water at any depth, as dictated by the field operator. Extra bottles were thus filled at each site for immediate measurement of some parameters on the boat deck, such as conductivity, DO and temperature.

The 16no. bottle samples were acquired and completed before the vertical Phys-chem profiling was commenced. The profiling was done at 1m intervals through the water. Temperature and DO data was acquired.

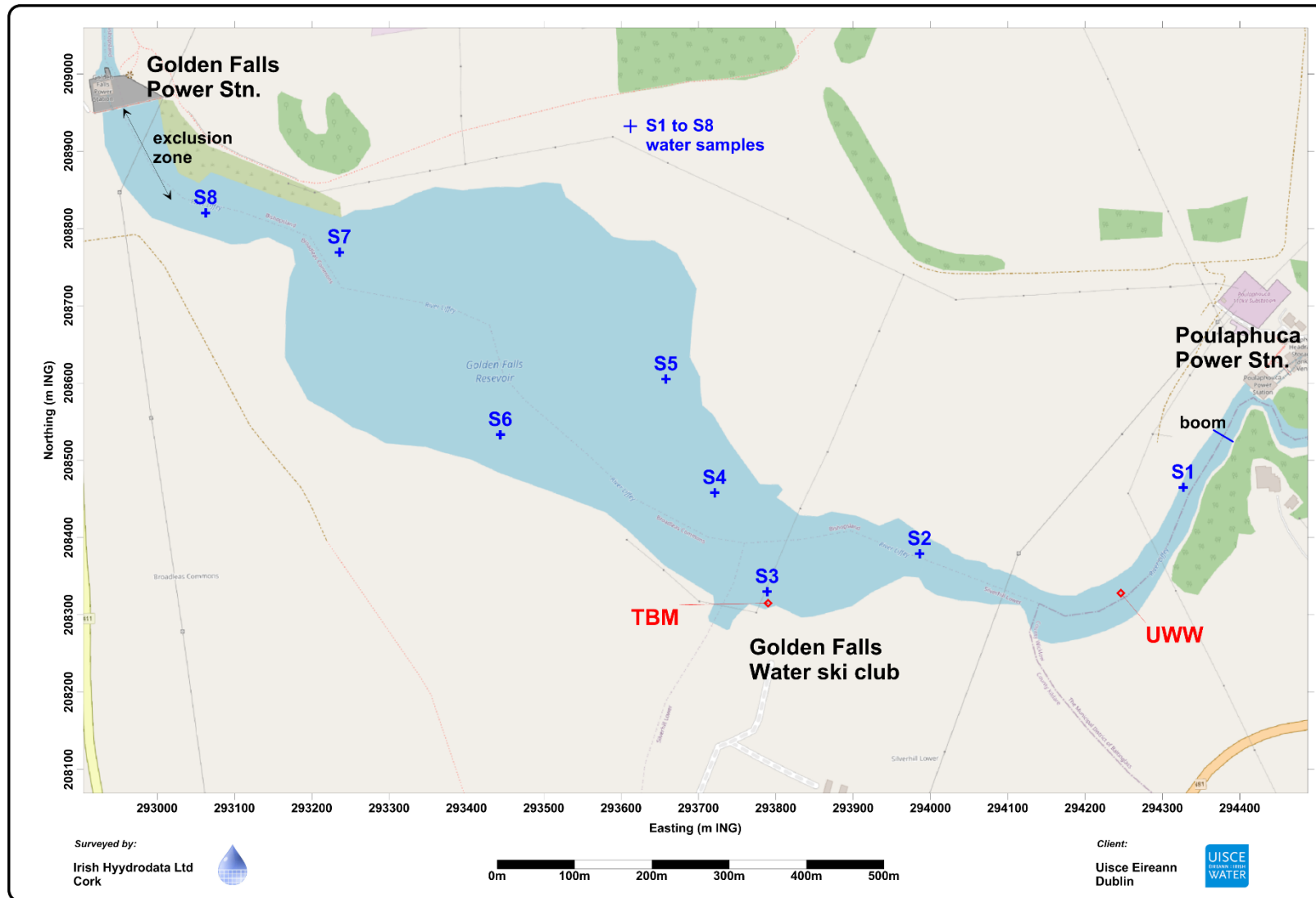
4.3 Sample Locations

The 8no. locations at which samples were to be taken were agreed on-site with the client's representative. The locations were described in general terms rather than as precise co-ordinates so that the surveyors had some leeway in the final choice. The final locations are shown plotted in Figure 4.1 with associated grid co-ordinates listed in Table 4.1.

Location	m ING-East	m ING-North
S1	294327	208465
S2	293986	208379
S3	293789	208330
S4	293721	208458
S5	293658	208605
S6	293444	208533
S7	293236	208769
S8	293063	208820

Table 4.1 Water sample location co-ordinates





Figures 4.1 Water sample locations

4.4 Results

Measurements using hand-held instruments on boat-deck

The results of the measurements taken on the boat deck using hand-held Temp/Cond instrumentation are listed in Table 4.2. The conductivity was post-processed to give values referenced to a temperature of 25°C.

Location	Time	Total Depth (metres)	Temperature (°C)	Conductivity @ 25°C (µS/cm)	Note
S1-1	10:48	6.5	6.1	112.4	160m U/s of outfall
S1-2			6.4	125.9	
S2-1	11:00	7.5	6.4	129.3	255m d/s of outfall
S2-2			6.2	130.0	
S3-1	11:49	3.5	6.5	132.1	Pontoon
S3-2			6.5	132.5	
S4-1	11:43	5.0	6.5	132.6	Ski ramp
S4-2			6.5	132.8	
S5-1	11:34	2.0	6.9	138.9	northern shore very shallow
S5-2			6.8	136.4	touching bottom
S6-1	11:27	4.0	6.5	132.6	southern shore
S6-2			6.5	133.0	
S7-1	11:21	7.0	6.5	132.9	d/s end of 'bowl' of reservoir
S7-2			6.4	133.1	
S8-1	11:16	8.0	6.6	132.6	180m from Golden Falls dam
S8-2			6.4	133.8	

Table 4.2 Measurements on boat deck with hand-held instrument

Note re. sample nomenclature:

e.g. S6-1 is the sample at location 6, near-surface

e.g. S6-2 is the sample at location 6, near-bed

All sample labelling follows this pattern.



Vertical profile measurements

The results of the profile measurements taken by lowering a Temp/DO instrument down through the water column are listed in Table 4.2. The profile locations are the same as those at which the bottle samples were taken. The profiling was in the following order : S1, S2, S3, S4, S8. The instrument developed a fault after the profile at S8 and no further profiling was achievable in the available time.

Location	Time	Total Depth (metres)	Dip depth (metres)	Temperature (°C)	DO (%)	DO (mg/l)	Note
S1	12:17	6.5	1	6.1	100	12.3	160m U/s of outfall
			2	6.1	100	12.2	
			3	6.0	100	12.2	
			4	6.0	99	12.2	
			5	6.0	99	12.2	
			6	5.9	99	12.2	
S2	12:23	7.5	1	6.4	100	12.2	255m d/s of outfall
			2	6.3	100	12.2	
			3	6.2	99	12.2	
			4	6.2	99	12.1	
			5	6.1	99	12.1	
			6	6.1	99	12.1	
			7	6.0	99	12.1	
S3	12:10	3.5	1	6.8	99	11.9	Pontoon
			2	6.6	99	12.0	
			3	6.4	99	12.0	
S4	12:28	5.0	1	6.6	101	12.2	ski ramp
			2	6.5	100	12.2	



Location	Time	Total Depth (metres)	Dip depth (metres)	Temperature (°C)	DO (%)	DO (mg/l)	Note
			3	6.5	100	12.2	
			4	6.5	100	12.1	
S8	12:35	8.0	1	6.6	101	12.2	Instrument fault at end of profile
			2	6.5	100	12.2	
			3	6.4	100	12.2	
			4	6.4	100	12.2	
			5	6.4	100	12.2	
			6	6.4	100	12.1	
			7	6.4	100	12.1	

Table 4.3 Profile measurements (hand-held instrument – lowered through water column)

Laboratory analysis of water samples

One set of water samples was sent to the Eurofins laboratory in Dublin to be analysed for E.coli and Enterococci. A second batch of these water samples was analysed in the Aquatic Services Unit laboratory of University College Cork for all other parameters. The results are listed in Table 4.4. The sample labelling system is the same as for Table 4.2



Sample	Ammonia (mg/l N)	MRP (mg/l P)	TON (mg/l N)	TP (mg/l P)	TN (mg/l N)	BOD (mg/l O ₂)	E. coli (MPN/100ml)	Enterococci (cfu/100ml)
S1-1	0.016	0.010	0.527	0.017	0.913	0.9	46.5	17
S1-2	0.021	0.011	0.513	0.019	0.936	1.0	55.6	14
S2-1	0.015	0.012	0.579	0.021	0.976	0.6	68.9	28
S2-2	0.016	0.012	0.613	0.021	0.950	0.6	461.1	77
S3-1	0.018	0.012	0.584	0.021	0.969	0.8	104.6	20
S3-2	0.016	0.013	0.583	0.022	0.958	0.8	133.3	24
S4-1	0.017	0.013	0.584	0.021	0.974	0.6	112.6	16
S4-2	0.018	0.020	0.580	0.027	0.926	0.7	109.8	23
S5-1	0.016	0.012	0.581	0.021	0.979	0.8	95.9	7
S5-2	0.022	0.025	0.577	0.035	0.950	0.7	111.2	13
S6-1	0.020	0.013	0.578	0.021	0.952	0.8	111.2	19
S6-2	0.019	0.014	0.582	0.023	0.937	0.9	98.8	27
S7-1	0.016	0.013	0.574	0.021	0.937	0.6	124.6	32
S7-2	0.017	0.014	0.576	0.022	0.943	0.6	135.4	30
S8-1	0.018	0.014	0.578	0.022	0.960	0.6	166.4	25
S8-2	0.024	0.015	0.576	0.023	0.948	0.6	106.7	19

Table 4.4 Results of laboratory analysis



APPENDIX A

A.1 Site Photos



Boom across river at Poulaphuca Power Station



Over-hanging trees in narrow river section at Poulaphuca Station





Over-hanging trees in narrow river section at Poulaphuca Station



Northern side of reservoir (ski ramp middle left)





Northern side of reservoir





Golden Falls Dam



Top of slip at Golden Falls Ski Club

Appendix C: Model log

BLESSINGTON CORMIX MODEL LOG

Scenario	Run Number	1	2	3	4
	River Flow Condition	Min P Flow	Min P Flow	Mean P Flow	Mean P Flow
	Season	Summer			
Effluent	Flow Rate (m ³ /s)	0.01	0.015	0.01	0.015
	Effluent Density	998 kg/m ³			
	Ammonia Concentration (mg/l)	4.98	5	4.98	5
	BOD Concentration (mg/l)	9.85	20	9.85	20
	Ortho-P Concentration (mg/l)	0.4	1	0.4	1
	Total P Concentration (mg/l)	0.73	2	0.73	2
	Excess Ammonia (mg/l)	4.96	4.98	4.96	4.98
	Excess BOD (mg/l)	8.76	18.91	8.76	18.91
Ambient	Excess Ortho-P (mg/l)	0.39	0.99	0.39	0.99
	Excess Total P (mg/l)	0.72	1.99	0.72	1.99
	CORMIX Adjusted Average Depth (m)	3.96			
	Depth at Discharge (m)	4.05			
	Current Speed (m/s)	0.032	0.032	0.043	0.043
	Current Direction (deg)	240			
	Wind Speed (m/s)	5			
	Appearance	Slight Meander			
Outfall	Channel Width (m)	44			
	Manning's n	0.035			
	Temperature (°C)	20			
	Salinity (ppt)	Zero (Freshwater)			
	Average Density (kg/m ³)	998 kg/m ³			
	Average Ammonia (mg/l)	0.018			
	Average BOD (mg/l)	1.09			
	Average Ortho-P (mg/l)	0.012			
Mixing Zone	Average Total P (mg/l)	0.013			
	Port Type	Single port			
	Nearest Bank	Left			
	Distance to Nearest Bank (m)	28			
	Port Diameter (m)	0.25			
	Vertical Angle (degrees)	0			
	Port Height Above Channel Bottom (m)	1.34			
	Ammonia EQS (mg/l)	0.04			
Results	BOD EQS (mg/l)	1.3			
	Ortho-P EQS (mg/l)	0.025			
	Total P EQS (mg/l)	0.025			
	Ammonia Excess EQS (mg//l)	0.022			
	BOD Excess EQS (mg//l)	0.21			
	Ortho-P Excess EQS (mg//l)	0.013			
	Total P Excess EQS (mg//l)	0.012			
	Region of Interest (m)	1,000			
	Output Steps per Module	500			
	Dilutions Required (Ammonia)	226	226	226	226
	Dilutions Required (BOD)	42	90	42	90
	Dilutions Required (Ortho-P)	30	76	30	76
	Dilutions Required (Total P)	60	166	60	166
	Ammonia Mixing Zone Length (m)	380	236	79	322
	Ammonia Mixing Zone Max Width (m)	7	11	7	8
	BOD Mixing Zone Length (m)	56	127	40	192
	BOD Mixing Zone Max Width (m)	3	5	2	4
	Ortho-P Mixing Zone Length (m)	31	113	29	143
	Ortho-P Mixing Zone Max Width (m)	2	4	1.5	4
	Total P Mixing Zone Length (m)	104	171	42	276
	Total P Mixing Zone Max Width (m)	4	8	2	6

Appendix D: Daily Flow Data from Poulaphouca Dam

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
01/01/2020	0.0275	2376
02/01/2020	17.1321	1480212
03/01/2020	15.6300	1350432
04/01/2020	17.2179	1487628
05/01/2020	13.2417	1144080
06/01/2020	15.7254	1358676
07/01/2020	16.1421	1394676
08/01/2020	14.1446	1222092
09/01/2020	1.5788	136404
10/01/2020	3.1079	268524
11/01/2020	0.0004	36
12/01/2020	0.0108	936
13/01/2020	1.5779	136332
14/01/2020	1.5796	136476
15/01/2020	13.5196	1168092
16/01/2020	15.5871	1346724
17/01/2020	14.8142	1279944
18/01/2020	13.8321	1195092
19/01/2020	13.9821	1208052
20/01/2020	14.3346	1238508
21/01/2020	6.0400	521856
22/01/2020	0.4700	40608
23/01/2020	1.5421	133236
24/01/2020	3.0367	262368
25/01/2020	0.0104	900
26/01/2020	0.0142	1224
27/01/2020	3.9783	343728
28/01/2020	3.8517	332784
29/01/2020	0.8454	73044
30/01/2020	2.0888	180468
31/01/2020	2.7275	235656
01/02/2020	0.0104	900
02/02/2020	0.0125	1080
03/02/2020	3.0096	260028
04/02/2020	2.7475	237384
05/02/2020	1.5942	137736
06/02/2020	0.5483	47376
07/02/2020	1.5596	134748
08/02/2020	0.0104	900
09/02/2020	0.0238	2052
10/02/2020	4.2371	366084
11/02/2020	9.4492	816408
12/02/2020	11.0900	958176
13/02/2020	10.8529	937692

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
14/02/2020	9.5621	826164
15/02/2020	10.8954	941364
16/02/2020	7.6288	659124
17/02/2020	8.7942	759816
18/02/2020	9.8613	852012
19/02/2020	9.4729	818460
20/02/2020	9.8704	852804
21/02/2020	8.2454	712404
22/02/2020	10.2071	881892
23/02/2020	10.0596	869148
24/02/2020	6.9958	604440
25/02/2020	8.2796	715356
26/02/2020	9.7683	843984
27/02/2020	9.5496	825084
28/02/2020	11.2021	967860
29/02/2020	11.3313	979020
01/03/2020	10.8929	941148
02/03/2020	11.5700	999648
03/03/2020	10.3954	898164
04/03/2020	10.7838	931716
05/03/2020	14.0563	1214460
06/03/2020	11.0104	951300
07/03/2020	10.4238	900612
08/03/2020	12.0975	1045224
09/03/2020	10.0963	872316
10/03/2020	10.3892	897624
11/03/2020	7.6479	660780
12/03/2020	12.4171	1072836
13/03/2020	10.0854	871380
14/03/2020	11.3863	983772
15/03/2020	10.9996	950364
16/03/2020	11.1063	959580
17/03/2020	9.5071	821412
18/03/2020	9.5429	824508
19/03/2020	8.9492	773208
20/03/2020	9.5558	825624
21/03/2020	12.3004	1062756
22/03/2020	13.2471	1144548
23/03/2020	7.8779	680652
24/03/2020	1.6171	139716
25/03/2020	3.1750	274320
26/03/2020	0.3900	33696
27/03/2020	2.7188	234900
28/03/2020	0.0563	4860
29/03/2020	0.0495	3924
30/03/2020	3.2038	276804
31/03/2020	1.6288	140724

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
01/04/2020	1.6196	139932
02/04/2020	1.6075	138888
03/04/2020	3.2046	276876
04/04/2020	0.0542	4680
05/04/2020	0.0583	5040
06/04/2020	1.6275	140616
07/04/2020	1.6150	139536
08/04/2020	3.1767	274464
09/04/2020	0.0667	5760
10/04/2020	1.9267	166464
11/04/2020	0.0658	5688
12/04/2020	0.0571	4932
13/04/2020	2.4033	207648
14/04/2020	1.0679	92268
15/04/2020	1.6354	141300
16/04/2020	0.3158	27288
17/04/2020	1.6133	139392
18/04/2020	0.0508	4392
19/04/2020	0.0533	4608
20/04/2020	0.0529	4572
21/04/2020	2.2958	198360
22/04/2020	2.2475	194184
23/04/2020	2.8725	248184
24/04/2020	2.4296	209916
25/04/2020	0.0567	4896
26/04/2020	0.0513	4428
27/04/2020	3.1221	269748
28/04/2020	3.1671	273636
29/04/2020	0.0492	4248
30/04/2020	3.1438	271620
01/05/2020	1.3471	116388
02/05/2020	0.0529	4572
03/05/2020	0.0529	4572
04/05/2020	2.7554	238068
05/05/2020	1.1708	101160
06/05/2020	1.6333	141120
07/05/2020	0.4817	41616
08/05/2020	2.0321	175572
09/05/2020	0.0525	4536
10/05/2020	0.0404	3492
11/05/2020	1.5883	137232
12/05/2020	1.6467	142272
13/05/2020	0.4446	38412
14/05/2020	0.4675	40392
15/05/2020	1.5775	136296
16/05/2020	0.0388	3348
17/05/2020	0.0088	756

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
18/05/2020	3.6329	313884
19/05/2020	1.9579	169164
20/05/2020	1.1971	103428
21/05/2020	1.8917	163440
22/05/2020	1.5546	134316
23/05/2020	0.0100	864
24/05/2020	0.0108	936
25/05/2020	1.5708	135720
26/05/2020	1.5758	136152
27/05/2020	1.5646	135180
28/05/2020	1.4404	124452
29/05/2020	2.7317	236016
30/05/2020	0.0000	0
31/05/2020	0.0000	0
01/06/2020	3.1196	269532
02/06/2020	1.3204	114084
03/06/2020	1.5829	136764
04/06/2020	1.7708	153000
05/06/2020	3.1433	271584
06/06/2020	0.0000	0
07/06/2020	0.0000	0
08/06/2020	3.6821	318132
09/06/2020	1.5367	132768
10/06/2020	1.1500	99360
11/06/2020	0.3896	33660
12/06/2020	1.5425	133272
13/06/2020	0.0000	0
14/06/2020	0.0000	0
15/06/2020	0.0000	0
16/06/2020	3.1063	268380
17/06/2020	1.5388	132948
18/06/2020	0.0000	0
19/06/2020	1.5496	133884
20/06/2020	0.0000	0
21/06/2020	0.0000	0
22/06/2020	5.6642	489384
23/06/2020	2.2450	193968
24/06/2020	0.0000	0
25/06/2020	1.5825	136728
26/06/2020	1.5633	135072
27/06/2020	0.0000	0
28/06/2020	0.0000	0
29/06/2020	3.1342	270792
30/06/2020	2.5879	223596
01/07/2020	0.3479	30060
02/07/2020	1.5583	134640
03/07/2020	0.0000	0

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
04/07/2020	0.0000	0
05/07/2020	1.0492	90648
06/07/2020	3.1254	270036
07/07/2020	1.5558	134424
08/07/2020	2.9883	258192
09/07/2020	0.6763	58428
10/07/2020	2.4238	209412
11/07/2020	0.0000	0
12/07/2020	0.0000	0
13/07/2020	1.5638	135108
14/07/2020	1.5521	134100
15/07/2020	1.5746	136044
16/07/2020	1.7654	152532
17/07/2020	1.5550	134352
18/07/2020	0.0000	0
19/07/2020	0.0000	0
20/07/2020	3.1408	271368
21/07/2020	1.0767	93024
22/07/2020	1.8233	157536
23/07/2020	0.9488	81972
24/07/2020	1.7654	152532
25/07/2020	0.0000	0
26/07/2020	0.0000	0
27/07/2020	3.0696	265212
28/07/2020	1.5517	134064
29/07/2020	0.6288	54324
30/07/2020	1.5475	133704
31/07/2020	3.0992	267768
01/08/2020	0.0067	576
02/08/2020	0.0167	1440
03/08/2020	1.5446	133452
04/08/2020	1.5029	129852
05/08/2020	1.5104	130500
06/08/2020	1.2213	105516
07/08/2020	2.1333	184320
08/08/2020	0.0717	6192
09/08/2020	2.5383	219312
10/08/2020	1.5458	133560
11/08/2020	3.0583	264240
12/08/2020	4.5542	393480
13/08/2020	3.8183	329904
14/08/2020	1.5554	134388
15/08/2020	0.0396	3420
16/08/2020	0.0196	1692
17/08/2020	4.5871	396324
18/08/2020	0.8629	74556
19/08/2020	1.4979	129420

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
20/08/2020	0.0096	828
21/08/2020	3.4558	298584
22/08/2020	0.0313	2700
23/08/2020	5.3025	458136
24/08/2020	0.0296	2556
25/08/2020	0.0304	2628
26/08/2020	3.8417	331920
27/08/2020	14.9646	1292940
28/08/2020	14.7300	1272672
29/08/2020	14.8938	1286820
30/08/2020	14.3225	1237464
31/08/2020	13.7583	1188720
01/09/2020	13.0542	1127880
02/09/2020	12.4279	1073772
03/09/2020	13.8042	1192680
04/09/2020	14.5592	1257912
05/09/2020	13.4779	1164492
06/09/2020	12.8175	1107432
07/09/2020	12.2438	1057860
08/09/2020	6.3671	550116
09/09/2020	3.0729	265500
10/09/2020	3.0604	264420
11/09/2020	3.0333	262080
12/09/2020	2.9975	258984
13/09/2020	1.1708	101160
14/09/2020	0.0504	4356
15/09/2020	0.5879	50796
16/09/2020	1.2779	110412
17/09/2020	0.5917	51120
18/09/2020	0.0392	3384
19/09/2020	0.0271	2340
20/09/2020	0.0517	4464
21/09/2020	3.2267	278784
22/09/2020	4.7492	410328
23/09/2020	0.0588	5076
24/09/2020	0.8054	69588
25/09/2020	1.6229	140220
26/09/2020	0.0488	4212
27/09/2020	0.0658	5688
28/09/2020	3.1954	276084
29/09/2020	0.0550	4752
30/09/2020	6.1350	530064
01/10/2020	2.3774	196848
02/10/2020	1.9913	172044
03/10/2020	0.0463	3996
04/10/2020	0.0600	5184
05/10/2020	9.8721	852948

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
06/10/2020	12.6446	1092492
07/10/2020	12.7125	1098360
08/10/2020	15.4571	1335492
09/10/2020	15.6479	1351980
10/10/2020	15.2754	1319796
11/10/2020	11.0163	951804
12/10/2020	7.0658	610488
13/10/2020	15.8738	1371492
14/10/2020	14.2733	1233216
15/10/2020	9.0846	784908
16/10/2020	14.3500	1239840
17/10/2020	14.2283	1229328
18/10/2020	16.1683	1396944
19/10/2020	16.7933	1450944
20/10/2020	12.7254	1099476
21/10/2020	14.9229	1289340
22/10/2020	17.5479	1516140
23/10/2020	15.7754	1362996
24/10/2020	17.3604	1499940
25/10/2020	14.1883	1225872
26/10/2020	15.8104	1366020
27/10/2020	15.7913	1364364
28/10/2020	14.1933	1226304
29/10/2020	15.8304	1367748
30/10/2020	15.0575	1300968
31/10/2020	15.2638	1318788
01/11/2020	7.9300	685152
02/11/2020	8.7954	759924
03/11/2020	13.1696	1137852
04/11/2020	15.8608	1370376
05/11/2020	14.2025	1227096
06/11/2020	12.5263	1082268
07/11/2020	13.9800	1207872
08/11/2020	12.6108	1089576
09/11/2020	12.6013	1088748
10/11/2020	10.6254	918036
11/11/2020	6.0883	526032
12/11/2020	14.2200	1228608
13/11/2020	10.8229	935100
14/11/2020	11.9196	1029852
15/11/2020	12.7258	1099512
16/11/2020	15.3958	1330200
17/11/2020	7.9867	690048
18/11/2020	7.4663	645084
19/11/2020	19.4604	1681380
20/11/2020	19.0096	1642428
21/11/2020	18.7388	1619028

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
22/11/2020	15.9771	1380420
23/11/2020	15.9092	1374552
24/11/2020	12.0083	1037520
25/11/2020	11.3554	981108
26/11/2020	17.8496	1542204
27/11/2020	13.6233	1177056
28/11/2020	15.7054	1356948
29/11/2020	14.2558	1231704
30/11/2020	12.6813	1095660
01/12/2020	12.5408	1083528
02/12/2020	18.4263	1592028
03/12/2020	14.1521	1222740
04/12/2020	6.8000	587520
05/12/2020	12.6396	1092060
06/12/2020	12.7004	1097316
07/12/2020	10.1638	878148
08/12/2020	11.0733	956736
09/12/2020	9.9846	862668
10/12/2020	13.7283	1186128
11/12/2020	10.8954	941364
12/12/2020	12.5192	1081656
13/12/2020	13.2942	1148616
14/12/2020	10.9588	946836
15/12/2020	14.2492	1231128
16/12/2020	10.0775	870696
17/12/2020	7.9083	683280
18/12/2020	11.4933	993024
19/12/2020	9.7188	839700
20/12/2020	11.1163	960444
21/12/2020	13.3504	1153476
22/12/2020	7.1333	616320
23/12/2020	11.2467	971712
24/12/2020	10.7413	928044
25/12/2020	0.0708	6120
26/12/2020	0.1013	8748
27/12/2020	6.4046	553356
28/12/2020	15.1850	1311984
29/12/2020	13.9696	1206972
30/12/2020	15.4921	1338516
31/12/2020	13.7217	1185552
01/01/2021	13.4892	1165464
02/01/2021	15.5567	1344096
03/01/2021	13.3204	1150884
04/01/2021	17.8496	1542204
05/01/2021	16.7413	1446444
06/01/2021	13.9488	1205172
07/01/2021	15.8588	1370196

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
08/01/2021	13.3542	1153800
09/01/2021	13.5021	1166580
10/01/2021	14.9950	1295568
11/01/2021	0.0000	0
12/01/2021	8.2208	710280
13/01/2021	17.5271	1514340
14/01/2021	16.7696	1448892
15/01/2021	16.0721	1388628
16/01/2021	14.5983	1261296
17/01/2021	15.8438	1368900
18/01/2021	6.9921	604116
19/01/2021	0.0804	6948
20/01/2021	3.2658	282168
21/01/2021	5.7579	497484
22/01/2021	14.2521	1231380
23/01/2021	16.7592	1447992
24/01/2021	13.1738	1138212
25/01/2021	13.2550	1145232
26/01/2021	12.1188	1047060
27/01/2021	8.6788	749844
28/01/2021	7.6221	658548
29/01/2021	16.5096	1426428
30/01/2021	10.5463	911196
31/01/2021	14.1733	1224576
01/02/2021	15.9063	1374300
02/02/2021	15.9571	1378692
03/02/2021	16.1138	1392228
04/02/2021	14.8617	1284048
05/02/2021	15.2233	1315296
06/02/2021	16.7017	1443024
07/02/2021	17.4958	1511640
08/02/2021	15.9550	1378512
09/02/2021	19.0600	1646784
10/02/2021	15.8196	1366812
11/02/2021	16.6629	1439676
12/02/2021	16.9438	1463940
13/02/2021	17.7767	1535904
14/02/2021	14.9004	1287396
15/02/2021	20.1092	1737432
16/02/2021	19.5913	1692684
17/02/2021	18.6533	1611648
18/02/2021	17.5263	1514268
19/02/2021	15.4600	1335744
20/02/2021	15.8692	1371096
21/02/2021	16.5763	1432188
22/02/2021	16.2146	1400940
23/02/2021	0.0942	8136

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
24/02/2021	18.1954	1572084
25/02/2021	18.8938	1632420
26/02/2021	17.1625	1482840
27/02/2021	20.6767	1786464
28/02/2021	16.4404	1420452
01/03/2021	19.4438	1679940
02/03/2021	14.8687	1231128
03/03/2021	15.9900	1381536
04/03/2021	17.5492	1516248
05/03/2021	20.6383	1783152
06/03/2021	8.4721	731988
07/03/2021	7.9438	686340
08/03/2021	2.5021	216180
09/03/2021	2.7842	240552
10/03/2021	1.6479	142380
11/03/2021	1.7396	150300
12/03/2021	3.2808	283464
13/03/2021	0.1163	10044
14/03/2021	3.9783	343728
15/03/2021	1.6742	144648
16/03/2021	3.2775	283176
17/03/2021	1.8717	161712
18/03/2021	1.0663	92124
19/03/2021	1.6942	146376
20/03/2021	0.1013	8748
21/03/2021	0.1196	10332
22/03/2021	0.1129	9756
23/03/2021	1.6975	146664
24/03/2021	3.2900	284256
25/03/2021	3.2683	282384
26/03/2021	2.4788	214164
27/03/2021	0.1358	11736
28/03/2021	0.1286	10188
29/03/2021	1.6875	145800
30/03/2021	3.2433	280224
31/03/2021	1.2683	109584
01/04/2021	2.5421	219636
02/04/2021	1.7271	149220
03/04/2021	0.1396	12060
04/04/2021	0.1271	10980
05/04/2021	1.7108	147816
06/04/2021	1.8892	163224
07/04/2021	4.7571	411012
08/04/2021	1.6713	144396
09/04/2021	2.6375	227880
10/04/2021	0.1325	11448
11/04/2021	3.2013	276588

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
12/04/2021	0.1050	9072
13/04/2021	0.1404	12132
14/04/2021	0.1350	11664
15/04/2021	0.6767	58464
16/04/2021	1.4729	127260
17/04/2021	1.6088	138996
18/04/2021	1.6263	140508
19/04/2021	1.5783	136368
20/04/2021	1.5854	136980
21/04/2021	1.5913	137484
22/04/2021	1.5838	136836
23/04/2021	1.7496	151164
24/04/2021	1.9038	164484
25/04/2021	1.9125	165240
26/04/2021	1.9000	164160
27/04/2021	1.8679	161388
28/04/2021	1.9192	165816
29/04/2021	1.8838	162756
30/04/2021	1.8429	159228
01/05/2021	1.8863	162972
02/05/2021	1.8213	157356
03/05/2021	1.8292	158040
04/05/2021	1.8421	159156
05/05/2021	1.8617	160848
06/05/2021	1.8638	161028
07/05/2021	1.7604	152100
08/05/2021	1.6338	141156
09/05/2021	1.6654	143892
10/05/2021	1.6413	141804
11/05/2021	1.6854	145620
12/05/2021	1.6667	144000
13/05/2021	1.6667	144000
14/05/2021	1.6758	144792
15/05/2021	1.6696	144252
16/05/2021	1.7125	147960
17/05/2021	1.6750	144720
18/05/2021	1.6942	146376
19/05/2021	1.5992	138168
20/05/2021	1.7363	150012
21/05/2021	1.9321	166932
22/05/2021	2.0625	178200
23/05/2021	1.1442	98856
24/05/2021	0.1238	10692
25/05/2021	9.4021	812340
26/05/2021	10.0063	864540
27/05/2021	9.9158	856728
28/05/2021	7.5704	654084

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
29/05/2021	1.5667	135360
30/05/2021	1.5683	135504
31/05/2021	9.6033	829728
01/06/2021	9.3596	808668
02/06/2021	0.1238	10692
03/06/2021	8.7967	760032
04/06/2021	1.5213	131436
05/06/2021	1.4833	128160
06/06/2021	1.4963	129276
07/06/2021	1.4938	129060
08/06/2021	9.1167	787680
09/06/2021	9.2600	766728
10/06/2021	9.2048	762156
11/06/2021	1.6217	140112
12/06/2021	1.6983	146736
13/06/2021	1.6829	145404
14/06/2021	1.6867	145728
15/06/2021	1.6904	146052
16/06/2021	1.6739	138600
17/06/2021	1.6958	146520
18/06/2021	1.7608	152136
19/06/2021	1.6992	146808
20/06/2021	1.7725	153144
21/06/2021	1.7363	150012
22/06/2021	1.6575	143208
23/06/2021	1.6188	139860
24/06/2021	1.6217	140112
25/06/2021	1.6463	142236
26/06/2021	1.7004	140796
27/06/2021	1.7025	147096
28/06/2021	1.5521	134100
29/06/2021	1.5933	137664
30/06/2021	1.3517	116784
01/07/2021	1.3158	113688
02/07/2021	1.2817	110736
03/07/2021	1.3042	112680
04/07/2021	1.2925	111672
05/07/2021	1.5404	133092
06/07/2021	1.7296	149436
07/07/2021	1.7692	152856
08/07/2021	1.7300	149472
09/07/2021	1.7258	149112
10/07/2021	1.7230	142668
11/07/2021	1.7208	148680
12/07/2021	1.7379	150156
13/07/2021	1.7088	147636
14/07/2021	1.7071	147492

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
15/07/2021	1.6967	146592
16/07/2021	1.6958	146520
17/07/2021	1.6879	145836
18/07/2021	1.6713	144396
19/07/2021	1.6575	143208
20/07/2021	1.6542	142920
21/07/2021	1.6463	142236
22/07/2021	1.6392	141624
23/07/2021	1.6408	141768
24/07/2021	1.6963	146556
25/07/2021	1.6271	140580
26/07/2021	1.5863	137052
27/07/2021	1.5842	136872
28/07/2021	1.0171	87876
29/07/2021	0.4358	37656
30/07/2021	1.3671	118116
31/07/2021	1.5663	135324
01/08/2021	1.5688	135540
02/08/2021	1.5646	135180
03/08/2021	1.5538	134244
04/08/2021	1.4921	128916
05/08/2021	1.4321	123732
06/08/2021	1.4558	125784
07/08/2021	1.4475	125064
08/08/2021	1.2113	104652
09/08/2021	1.2246	105804
10/08/2021	1.3479	116460
11/08/2021	1.4313	123660
12/08/2021	1.4371	124164
13/08/2021	1.4313	123660
14/08/2021	1.4367	124128
15/08/2021	1.4404	124452
16/08/2021	6.5667	567360
17/08/2021	1.7625	152280
18/08/2021	2.3079	199404
19/08/2021	2.2717	196272
20/08/2021	1.9833	171360
21/08/2021	1.5108	130536
22/08/2021	1.5050	130032
23/08/2021	1.5421	133236
24/08/2021	1.5250	131760
25/08/2021	1.5400	133056
26/08/2021	1.5163	131004
27/08/2021	2.2921	198036
28/08/2021	3.0900	266976
29/08/2021	3.0892	266904
30/08/2021	5.7575	497448

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
31/08/2021	7.5825	655128
01/09/2021	7.4821	646452
02/09/2021	7.3704	636804
03/09/2021	7.2713	628236
04/09/2021	7.1600	618624
05/09/2021	7.0558	609624
06/09/2021	8.3304	719748
07/09/2021	6.8633	592992
08/09/2021	8.8296	762876
09/09/2021	10.1879	880236
10/09/2021	11.3496	980604
11/09/2021	2.0883	180432
12/09/2021	2.0838	180036
13/09/2021	2.0533	177408
14/09/2021	1.6883	145872
15/09/2021	1.5933	137664
16/09/2021	2.7083	234000
17/09/2021	4.0713	351756
18/09/2021	4.0358	348696
19/09/2021	3.9946	345132
20/09/2021	2.6875	232200
21/09/2021	2.6638	230148
22/09/2021	3.4217	295632
23/09/2021	2.6363	227772
24/09/2021	3.0679	265068
25/09/2021	2.8400	245376
26/09/2021	2.8146	243180
27/09/2021	2.8496	246204
28/09/2021	2.8521	246420
29/09/2021	2.8233	243936
30/09/2021	2.8292	244440
01/10/2021	2.8500	246240
02/10/2021	2.8271	244260
03/10/2021	2.7992	241848
04/10/2021	2.0004	172836
05/10/2021	2.8363	245052
06/10/2021	2.8125	243000
07/10/2021	2.5200	217728
08/10/2021	2.6050	225072
09/10/2021	2.5775	222696
10/10/2021	2.5496	220284
11/10/2021	3.0983	267696
12/10/2021	3.6748	304272
13/10/2021	3.7250	321840
14/10/2021	3.6533	39456
29/10/2021	3.8813	111780
30/10/2021	3.7500	324000

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
31/10/2021	2.9396	264564
01/11/2021	2.8417	245520
02/11/2021	8.3792	723960
03/11/2021	10.4029	898812
04/11/2021	16.3417	1411920
05/11/2021	18.8108	1625256
06/11/2021	17.9171	1548036
07/11/2021	17.0113	1469772
08/11/2021	14.3596	1240668
09/11/2021	9.8938	854820
10/11/2021	12.7775	1103976
11/11/2021	12.7967	1105632
12/11/2021	12.2467	1058112
13/11/2021	11.8725	1025784
14/11/2021	11.3850	983664
15/11/2021	10.8913	941004
16/11/2021	10.4021	898740
17/11/2021	7.7317	668016
18/11/2021	4.6700	403488
19/11/2021	5.5167	476640
20/11/2021	4.5179	390348
21/11/2021	4.8896	422460
22/11/2021	2.6067	225216
23/11/2021	4.4546	384876
24/11/2021	3.6858	318456
25/11/2021	3.0575	264168
26/11/2021	1.1104	95940
27/11/2021	0.9800	84672
28/11/2021	1.2954	111924
29/11/2021	1.5325	132408
30/11/2021	2.1054	181908
01/12/2021	2.3350	201744
02/12/2021	2.2671	195876
03/12/2021	2.1083	182160
04/12/2021	1.8175	157032
05/12/2021	1.8250	157680
06/12/2021	1.8308	158184
07/12/2021	1.9413	167724
08/12/2021	2.1900	189216
09/12/2021	6.5379	564876
10/12/2021	12.7254	1099476
11/12/2021	12.6196	1090332
12/12/2021	12.5083	1080720
13/12/2021	12.3596	1067868
14/12/2021	11.5729	999900
15/12/2021	11.7175	1012392
16/12/2021	11.5850	1000944

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
17/12/2021	11.1646	964620
18/12/2021	9.7833	845280
19/12/2021	9.3696	809532
20/12/2021	8.5692	740376
21/12/2021	6.1379	530316
22/12/2021	4.6025	397656
23/12/2021	4.1392	357624
24/12/2021	3.9304	339588
25/12/2021	7.2921	630036
26/12/2021	9.7838	845316
27/12/2021	10.5383	910512
28/12/2021	11.1908	966888
29/12/2021	11.2546	972396
30/12/2021	11.2454	971604
31/12/2021	13.5717	1172592
01/01/2022	15.0879	1303596
02/01/2022	14.5846	1260108
03/01/2022	14.0046	1209996
04/01/2022	12.5233	1082016
05/01/2022	11.4196	986652
06/01/2022	11.0763	956988
07/01/2022	10.6833	923040
08/01/2022	10.4658	904248
09/01/2022	10.2383	884592
10/01/2022	5.4854	473940
11/01/2022	4.7550	410832
12/01/2022	6.4621	558324
13/01/2022	1.5892	137304
14/01/2022	5.5046	475596
15/01/2022	0.0383	3312
16/01/2022	0.0367	3168
17/01/2022	3.5250	304560
18/01/2022	1.3033	112608
19/01/2022	1.5788	136404
20/01/2022	3.1054	268308
21/01/2022	3.1754	274356
22/01/2022	0.0288	2484
23/01/2022	0.0325	2808
24/01/2022	4.7279	408492
25/01/2022	1.2708	109800
26/01/2022	1.5742	136008
27/01/2022	1.4404	124452
28/01/2022	2.3496	203004
29/01/2022	0.0317	2736
30/01/2022	0.0388	3348
31/01/2022	2.1813	188460
01/02/2022	2.0688	178740

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
02/02/2022	1.8821	162612
03/02/2022	1.5979	138060
04/02/2022	1.5696	135612
05/02/2022	4.7263	408348
06/02/2022	0.0267	2304
07/02/2022	3.1592	272952
08/02/2022	10.9950	949968
09/02/2022	9.2258	797112
10/02/2022	10.7033	924768
11/02/2022	12.7875	1104840
12/02/2022	0.0200	1728
13/02/2022	0.0217	1872
14/02/2022	13.0621	1128564
15/02/2022	12.0458	1040760
16/02/2022	12.5254	1082196
17/02/2022	10.5208	909000
18/02/2022	1.5888	137268
19/02/2022	0.0213	1836
20/02/2022	0.0275	2376
21/02/2022	5.2579	454284
22/02/2022	11.0529	954972
23/02/2022	19.4879	1683756
24/02/2022	15.8525	1369656
25/02/2022	14.5013	1252908
26/02/2022	14.8454	1282644
27/02/2022	15.3413	1325484
28/02/2022	17.2738	1492452
01/03/2022	13.4713	1163916
02/03/2022	15.7671	1362276
03/03/2022	12.5525	1084536
04/03/2022	14.1088	1218996
05/03/2022	0.0200	1728
06/03/2022	0.0204	1764
07/03/2022	3.1375	271080
08/03/2022	0.6571	56772
09/03/2022	1.5892	137304
10/03/2022	2.0871	180324
11/03/2022	3.6346	314028
12/03/2022	0.0104	900
13/03/2022	0.0208	1800
14/03/2022	7.9383	685872
15/03/2022	7.9633	688032
16/03/2022	8.0175	692712
17/03/2022	10.3271	892260
18/03/2022	12.6458	1092600
19/03/2022	0.0229	1980
20/03/2022	0.0275	2376

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
21/03/2022	9.7475	842184
22/03/2022	6.7400	582336
23/03/2022	5.4338	469476
24/03/2022	0.0300	2592
25/03/2022	2.8704	248004
26/03/2022	0.0279	2412
27/03/2022	0.0291	2304
28/03/2022	4.9850	430704
29/03/2022	3.0875	266760
30/03/2022	0.0163	1404
31/03/2022	1.5954	137844
01/04/2022	3.1617	273168
02/04/2022	0.0129	1116
03/04/2022	0.0188	1620
04/04/2022	1.5992	138168
05/04/2022	0.4604	39780
06/04/2022	1.5771	136260
07/04/2022	0.2317	20016
08/04/2022	0.0200	1728
09/04/2022	0.0125	1080
10/04/2022	1.6117	139248
11/04/2022	6.3550	549072
12/04/2022	0.0270	1944
13/04/2022	1.5988	138132
14/04/2022	1.5913	137484
15/04/2022	3.0688	265140
16/04/2022	0.0300	2592
17/04/2022	0.0254	2196
18/04/2022	1.6054	138708
19/04/2022	1.5854	136980
20/04/2022	0.7163	61884
21/04/2022	3.2233	278496
22/04/2022	3.7375	322920
23/04/2022	0.0308	2664
24/04/2022	0.0238	2052
25/04/2022	3.1642	273384
26/04/2022	1.6188	139860
27/04/2022	1.6079	138924
28/04/2022	1.6150	139536
29/04/2022	3.1817	274896
30/04/2022	0.0229	1980
01/05/2022	0.0200	1728
02/05/2022	2.2929	198108
03/05/2022	1.6017	138384
04/05/2022	1.5825	136728
05/05/2022	1.6208	140040
06/05/2022	0.9550	82512

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
07/05/2022	0.0204	1764
08/05/2022	0.0275	2376
09/05/2022	3.1850	275184
10/05/2022	1.5925	137592
11/05/2022	3.1783	274608
12/05/2022	2.2542	194760
13/05/2022	1.5996	138204
14/05/2022	0.0267	2304
15/05/2022	0.0221	1908
16/05/2022	1.6513	136728
17/05/2022	1.5833	136800
18/05/2022	1.5900	137376
19/05/2022	1.6046	138636
20/05/2022	3.9208	338760
21/05/2022	0.0221	1908
22/05/2022	0.0188	1620
23/05/2022	1.8575	160488
24/05/2022	1.6004	138276
25/05/2022	1.5892	137304
26/05/2022	1.6046	138636
27/05/2022	2.4013	207468
28/05/2022	0.0233	2016
29/05/2022	0.0233	2016
30/05/2022	3.2125	277560
31/05/2022	0.0192	1656
01/06/2022	3.4929	301788
02/06/2022	1.5921	137556
03/06/2022	1.9913	172044
04/06/2022	0.0304	2628
05/06/2022	0.0146	1260
06/06/2022	2.5142	217224
07/06/2022	3.0283	261648
08/06/2022	0.0189	1224
09/06/2022	2.8708	134352
10/06/2022	2.3442	202536
11/06/2022	0.0217	1872
12/06/2022	0.0179	1548
13/06/2022	4.8283	417168
14/06/2022	3.1704	273924
15/06/2022	1.0850	93744
16/06/2022	3.1504	272196
17/06/2022	3.1500	272160
18/06/2022	0.0138	1188
19/06/2022	0.0171	1476
20/06/2022	1.5825	136728
21/06/2022	1.4267	123264
22/06/2022	2.2194	135828

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
23/06/2022	1.5808	136584
24/06/2022	0.0188	1152
05/07/2022	3.9315	183996
06/07/2022	2.0367	175968
07/07/2022	0.0238	2052
08/07/2022	3.1908	275688
09/07/2022	0.0163	1404
10/07/2022	0.0200	1728
11/07/2022	1.5783	136368
12/07/2022	2.1317	184176
13/07/2022	3.6417	314640
14/07/2022	2.6888	232308
15/07/2022	3.1671	273636
16/07/2022	0.0146	1260
17/07/2022	0.0088	756
18/07/2022	5.1704	446724
19/07/2022	0.7979	68940
20/07/2022	0.0079	684
21/07/2022	6.3396	547740
22/07/2022	4.7667	411840
23/07/2022	0.0079	684
24/07/2022	0.0083	720
25/07/2022	1.5946	137772
26/07/2022	6.3171	545796
27/07/2022	1.5671	135396
28/07/2022	1.3329	115164
29/07/2022	0.0004	36
30/07/2022	0.0000	0
31/07/2022	0.0013	108
01/08/2022	2.4992	215928
02/08/2022	1.5650	135216
03/08/2022	3.1558	272664
04/08/2022	3.1233	269856
05/08/2022	2.7250	235440
06/08/2022	0.0000	0
07/08/2022	0.0000	0
08/08/2022	4.6692	403416
09/08/2022	3.1725	274104
10/08/2022	1.5617	134928
11/08/2022	2.3850	206064
12/08/2022	4.6896	405180
13/08/2022	0.0000	0
14/08/2022	0.0000	0
15/08/2022	1.5671	135396
16/08/2022	1.5388	132948
17/08/2022	1.5988	138132
18/08/2022	2.9863	258012

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
19/08/2022	6.2533	540288
20/08/2022	0.0000	0
21/08/2022	0.0000	0
22/08/2022	3.0858	266616
23/08/2022	4.9629	428796
24/08/2022	2.8746	248364
25/08/2022	4.5775	395496
26/08/2022	3.7767	326304
27/08/2022	0.0000	0
28/08/2022	0.0000	0
29/08/2022	3.1042	268200
30/08/2022	0.0000	0
31/08/2022	4.1446	358092
01/09/2022	0.8433	72864
02/09/2022	0.0000	0
03/09/2022	0.0000	0
04/09/2022	3.1825	274968
05/09/2022	3.1442	271656
06/09/2022	3.1017	267984
07/09/2022	0.5417	46800
08/09/2022	1.5571	134532
09/09/2022	3.1500	272160
10/09/2022	0.0000	0
11/09/2022	1.5979	138060
12/09/2022	4.6713	403596
13/09/2022	1.8021	155700
14/09/2022	1.5583	134640
15/09/2022	1.3929	120348
16/09/2022	4.6271	399780
17/09/2022	0.0000	0
18/09/2022	0.0000	0
19/09/2022	4.6967	405792
20/09/2022	3.1175	269352
21/09/2022	1.5717	135792
22/09/2022	0.5279	45612
23/09/2022	3.0779	265932
24/09/2022	0.0000	0
25/09/2022	0.0000	0
26/09/2022	3.1175	269352
27/09/2022	1.5829	136764
28/09/2022	1.6008	138312
29/09/2022	6.3375	547560
30/09/2022	3.6342	313992
01/10/2022	0.0000	0
02/10/2022	0.0000	0
03/10/2022	3.2887	272304
04/10/2022	1.5771	136260

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
05/10/2022	1.5683	135504
06/10/2022	1.5663	135324
07/10/2022	3.1267	270144
08/10/2022	0.0000	0
09/10/2022	0.0000	0
10/10/2022	1.5646	135180
11/10/2022	1.1946	103212
12/10/2022	1.5838	136836
13/10/2022	3.1313	270540
14/10/2022	3.1229	269820
15/10/2022	0.0000	0
16/10/2022	0.0000	0
17/10/2022	3.1592	272952
18/10/2022	2.3642	204264
19/10/2022	1.5646	135180
20/10/2022	1.5771	136260
21/10/2022	3.1704	273924
22/10/2022	0.0096	828
23/10/2022	0.0058	504
24/10/2022	1.0246	88524
25/10/2022	1.5858	137016
26/10/2022	9.5204	822564
27/10/2022	1.5929	137628
28/10/2022	9.4388	815508
29/10/2022	14.4946	1252332
30/10/2022	15.2044	1368396
31/10/2022	18.2871	1580004
01/11/2022	17.4454	1507284
02/11/2022	9.3333	806400
03/11/2022	6.6679	576108
04/11/2022	17.0871	1476324
05/11/2022	14.2417	1230480
06/11/2022	14.7004	1270116
07/11/2022	18.9771	1639620
08/11/2022	17.7067	1529856
09/11/2022	16.8950	1459728
10/11/2022	10.8317	935856
11/11/2022	17.3888	1502388
12/11/2022	15.4792	1337400
13/11/2022	16.9396	1463580
14/11/2022	4.6933	405504
15/11/2022	0.0171	1476
16/11/2022	0.0183	1584
17/11/2022	0.0163	1404
18/11/2022	9.4746	818604
19/11/2022	7.2733	628416
20/11/2022	15.8692	1371096

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
21/11/2022	12.2229	1056060
22/11/2022	17.3758	1501272
23/11/2022	16.0400	1385856
24/11/2022	16.2079	1400364
25/11/2022	16.7525	1447416
26/11/2022	14.4300	1246752
27/11/2022	14.4404	1247652
28/11/2022	16.8183	1453104
29/11/2022	17.6833	1527840
30/11/2022	15.7288	1358964
01/12/2022	15.1442	1308456
02/12/2022	14.7250	1272240
03/12/2022	16.2563	1404540
04/12/2022	17.3688	1500660
05/12/2022	16.6017	1434384
06/12/2022	0.0100	864
07/12/2022	8.2542	713160
08/12/2022	13.4396	1161180
09/12/2022	13.7154	1185012
10/12/2022	16.8100	1452384
11/12/2022	14.5213	1254636
12/12/2022	13.5563	1171260
13/12/2022	16.1288	1393524
14/12/2022	4.3692	377496
15/12/2022	5.3821	465012
16/12/2022	6.0771	525060
17/12/2022	7.7579	670284
18/12/2022	7.6917	664560
19/12/2022	5.9471	513828
20/12/2022	6.5026	538416
21/12/2022	6.2229	537660
22/12/2022	6.6771	576900
23/12/2022	5.1471	444708
24/12/2022	0.0000	0
25/12/2022	0.0000	0
26/12/2022	3.3396	288540
27/12/2022	0.0000	0
28/12/2022	4.6771	404100
29/12/2022	4.7188	407700
30/12/2022	4.6754	403956
31/12/2022	0.0088	756
01/01/2023	0.0100	864
02/01/2023	6.6842	577512
03/01/2023	9.0746	784044
04/01/2023	8.6392	746424
05/01/2023	8.5483	738576
06/01/2023	7.8221	675828

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
07/01/2023	9.4225	814104
08/01/2023	7.2038	622404
09/01/2023	7.8192	675576
10/01/2023	10.4213	900396
11/01/2023	9.7029	838332
12/01/2023	15.7246	1358604
13/01/2023	19.6317	1696176
14/01/2023	13.2875	1148040
15/01/2023	14.1200	1219968
16/01/2023	15.7596	1361628
17/01/2023	16.0204	1384164
18/01/2023	15.6992	1356408
19/01/2023	16.9821	1467252
20/01/2023	16.2979	1408140
21/01/2023	6.2554	540468
22/01/2023	5.4000	466560
23/01/2023	5.6025	484056
24/01/2023	5.9379	513036
25/01/2023	5.2117	450288
26/01/2023	0.0029	252
27/01/2023	4.7083	406800
28/01/2023	0.0029	252
29/01/2023	0.0013	108
30/01/2023	1.9550	168912
31/01/2023	1.5571	134532
01/02/2023	0.6533	56448
02/02/2023	1.6758	144792
03/02/2023	3.1058	268344
04/02/2023	0.0017	144
05/02/2023	0.0008	72
06/02/2023	3.1204	269604
07/02/2023	1.5400	133056
08/02/2023	0.0042	360
09/02/2023	0.6188	53460
10/02/2023	1.5550	134352
11/02/2023	0.0017	144
12/02/2023	0.0021	180
13/02/2023	1.5546	134316
14/02/2023	3.1196	269532
15/02/2023	0.0000	0
16/02/2023	0.0000	0
17/02/2023	4.6754	403956
18/02/2023	0.0008	72
19/02/2023	0.0008	72
20/02/2023	3.6546	315756
21/02/2023	0.9608	83016
22/02/2023	1.5004	129636

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
23/02/2023	1.5608	134856
24/02/2023	3.1225	269784
25/02/2023	0.0000	0
26/02/2023	0.0000	0
27/02/2023	1.5629	135036
28/02/2023	1.9400	167616
01/03/2023	1.5500	133920
02/03/2023	0.7813	67500
03/03/2023	3.1150	269136
04/03/2023	0.0000	0
05/03/2023	0.0000	0
06/03/2023	3.7458	323640
07/03/2023	0.0000	0
08/03/2023	3.1013	267948
09/03/2023	0.8663	74844
10/03/2023	3.1371	271044
11/03/2023	0.0000	0
12/03/2023	0.0104	900
13/03/2023	3.1571	272772
14/03/2023	1.6063	138780
15/03/2023	1.5646	135180
16/03/2023	3.2213	278316
17/03/2023	0.0450	3888
18/03/2023	0.0550	4752
19/03/2023	0.0450	3888
20/03/2023	0.0541	3312
21/03/2023	4.7488	136764
22/03/2023	1.6046	138636
23/03/2023	0.3354	28980
24/03/2023	0.0454	3924
25/03/2023	0.0529	4572
26/03/2023	0.0618	4896
27/03/2023	1.6987	140652
28/03/2023	1.6296	140796
29/03/2023	3.1983	276336
30/03/2023	0.0763	6588
31/03/2023	3.8188	329940
01/04/2023	0.0708	6120
02/04/2023	0.0742	6408
03/04/2023	1.3029	112572
04/04/2023	7.8954	682164
05/04/2023	7.6000	656640
06/04/2023	7.9513	686988
07/04/2023	9.5708	826920
08/04/2023	9.6233	831456
09/04/2023	9.5283	823248
10/04/2023	7.6313	659340

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
11/04/2023	8.0342	694152
12/04/2023	11.2208	969480
13/04/2023	7.9838	689796
14/04/2023	7.9800	689472
15/04/2023	8.5483	738576
16/04/2023	9.2038	795204
17/04/2023	9.5117	821808
18/04/2023	1.6525	142776
19/04/2023	4.2038	363204
20/04/2023	4.5013	388908
21/04/2023	0.0433	3744
22/04/2023	0.0442	3816
23/04/2023	0.0567	4896
24/04/2023	3.1921	275796
25/04/2023	0.0346	2988
26/04/2023	0.0417	3600
27/04/2023	3.2508	280872
28/04/2023	5.8379	504396
29/04/2023	0.0350	3024
30/04/2023	0.0488	4212
01/05/2023	1.6121	139284
02/05/2023	3.1617	273168
03/05/2023	1.6342	141192
04/05/2023	0.0463	3996
05/05/2023	7.8592	679032
06/05/2023	0.0313	2700
07/05/2023	0.0608	5256
08/05/2023	6.3438	548100
09/05/2023	1.5413	133164
10/05/2023	1.6296	140796
11/05/2023	0.0371	3204
12/05/2023	1.6092	139032
13/05/2023	0.0375	3240
14/05/2023	0.0217	1872
15/05/2023	3.2067	277056
16/05/2023	1.5913	137484
17/05/2023	1.0108	87336
18/05/2023	3.1783	274608
19/05/2023	0.0400	3456
20/05/2023	0.0350	3024
21/05/2023	0.0400	3456
22/05/2023	2.0963	181116
23/05/2023	2.4300	209952
24/05/2023	3.3300	275724
25/05/2023	0.0396	3420
26/05/2023	2.8925	249912
27/05/2023	0.0358	3096

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
28/05/2023	0.0363	3132
29/05/2023	1.6304	140868
30/05/2023	0.8521	73620
31/05/2023	0.0479	4140
01/06/2023	1.6088	138996
02/06/2023	1.6246	140364
03/06/2023	0.0367	3168
04/06/2023	0.0371	3204
05/06/2023	4.7917	414000
06/06/2023	0.0271	2340
07/06/2023	0.0317	2736
08/06/2023	0.0417	3600
09/06/2023	0.0367	3168
10/06/2023	0.0325	2808
11/06/2023	0.0225	1944
12/06/2023	0.0250	2160
13/06/2023	0.0429	3708
14/06/2023	1.6621	143604
15/06/2023	2.5675	221832
16/06/2023	0.8546	73836
17/06/2023	2.1800	188352
18/06/2023	2.1667	187200
19/06/2023	2.1454	185364
20/06/2023	2.1308	184104
21/06/2023	2.1229	183420
22/06/2023	2.1075	182088
23/06/2023	2.1100	182304
24/06/2023	2.0821	179892
25/06/2023	2.0879	180396
26/06/2023	2.0758	179352
27/06/2023	2.0600	177984
28/06/2023	1.8633	160992
29/06/2023	1.6254	140436
30/06/2023	1.6721	144468
01/07/2023	1.6200	139968
02/07/2023	1.6092	139032
03/07/2023	1.6125	139320
04/07/2023	1.5983	138096
05/07/2023	1.5221	131508
06/07/2023	1.3163	113724
07/07/2023	1.6388	141588
08/07/2023	1.9004	164196
09/07/2023	1.8850	162864
10/07/2023	1.8971	163908
11/07/2023	1.9404	167652
12/07/2023	1.9425	167832
13/07/2023	0.8433	72864

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
14/07/2023	1.6108	139176
15/07/2023	4.0417	349200
16/07/2023	2.5425	219672
17/07/2023	1.9638	169668
18/07/2023	1.6009	132552
19/07/2023	0.6313	54540
20/07/2023	0.0433	3744
21/07/2023	1.1013	95148
22/07/2023	3.2242	278568
23/07/2023	3.2646	282060
24/07/2023	1.4396	124380
25/07/2023	0.0500	4320
26/07/2023	1.8138	156708
27/07/2023	3.0804	266148
28/07/2023	1.9167	165600
29/07/2023	1.8763	162108
30/07/2023	1.8804	162468
31/07/2023	1.8817	162576
01/08/2023	3.9221	338868
02/08/2023	5.2842	456552
03/08/2023	5.2529	453852
04/08/2023	8.4517	730224
05/08/2023	9.4025	812376
06/08/2023	9.5563	825660
07/08/2023	9.5371	824004
08/08/2023	12.3989	848088
09/08/2023	16.2221	1401588
10/08/2023	18.1167	1565280
11/08/2023	19.4958	1684440
12/08/2023	19.0592	1646712
13/08/2023	18.6600	1612224
14/08/2023	18.2171	1573956
15/08/2023	18.3433	1584864
16/08/2023	26.8270	2221272
17/08/2023	32.2371	2785284
18/08/2023	26.6608	2303496
19/08/2023	35.0796	3030876
20/08/2023	34.9329	3018204
21/08/2023	32.9133	2843712
22/08/2023	28.4283	2456208
23/08/2023	26.8450	2319408
24/08/2023	26.2554	2268468
25/08/2023	24.4925	2116152
26/08/2023	22.9300	1898604
27/08/2023	21.7354	1877940
28/08/2023	21.4058	1849464
29/08/2023	17.2258	1488312

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
30/08/2023	14.6613	1266732
31/08/2023	14.2633	1232352
01/09/2023	13.9613	1206252
02/09/2023	13.4858	1165176
03/09/2023	12.5683	1085904
04/09/2023	7.8375	677160
05/09/2023	1.0929	94428
06/09/2023	2.0871	180324
07/09/2023	3.3329	287964
08/09/2023	4.1629	359676
09/09/2023	0.0596	5148
10/09/2023	0.0608	5256
11/09/2023	1.7971	155268
12/09/2023	3.8750	334800
13/09/2023	3.1633	273312
14/09/2023	0.0329	2844
15/09/2023	0.7838	67716
16/09/2023	2.0867	180288
17/09/2023	2.1171	182916
18/09/2023	2.0500	177120
19/09/2023	1.8675	161352
20/09/2023	1.9592	169272
21/09/2023	7.8517	678384
22/09/2023	9.5121	821844
23/09/2023	3.6946	319212
24/09/2023	2.9267	252864
25/09/2023	7.6496	660924
26/09/2023	6.2800	542592
27/09/2023	9.5150	822096
28/09/2023	9.1613	791532
29/09/2023	8.3663	722844
30/09/2023	3.1354	270900
01/10/2023	3.1620	170748
02/10/2023	8.4471	729828
03/10/2023	9.9350	858384
04/10/2023	6.0904	504288
05/10/2023	10.2842	888552
06/10/2023	9.2146	796140
07/10/2023	3.3708	291240
08/10/2023	2.0371	176004
09/10/2023	7.5329	650844
10/10/2023	9.6538	834084
11/10/2023	9.6421	833076
12/10/2023	6.1163	528444
13/10/2023	7.8883	681552
14/10/2023	2.2609	187200
15/10/2023	2.2570	186876

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
16/10/2023	2.4213	209196
17/10/2023	6.9329	424296
18/10/2023	8.7090	313524
19/10/2023	3.4194	209268
20/10/2023	9.3429	807228
21/10/2023	2.4396	210780
22/10/2023	1.6088	138996
23/10/2023	10.8817	940176
24/10/2023	17.2046	1486476
25/10/2023	17.1513	1481868
26/10/2023	17.4771	1510020
27/10/2023	23.9313	2067660
28/10/2023	26.4188	2282580
29/10/2023	25.4296	2288664
30/10/2023	26.4188	2282580
31/10/2023	26.4925	2288952
01/11/2023	23.7917	2055600
02/11/2023	25.8871	2236644
03/11/2023	26.4779	2287692
04/11/2023	24.7429	2137788
05/11/2023	25.9471	2241828
06/11/2023	22.5621	1949364
07/11/2023	14.0233	1211616
08/11/2023	20.2275	1747656
09/11/2023	18.1933	1571904
10/11/2023	19.7483	1706256
11/11/2023	18.0204	1556964
12/11/2023	17.2604	1491300
13/11/2023	18.0813	1562220
14/11/2023	13.9133	1202112
15/11/2023	17.2758	1492632
16/11/2023	17.5642	1517544
17/11/2023	11.4979	993420
18/11/2023	16.3025	1408536
19/11/2023	5.8204	502884
20/11/2023	16.4946	1425132
21/11/2023	19.0288	1644084
22/11/2023	19.9254	1721556
23/11/2023	7.4813	646380
24/11/2023	20.0408	1731528
25/11/2023	9.3467	807552
26/11/2023	10.0004	864036
27/11/2023	10.1808	879624
28/11/2023	10.7958	932760
29/11/2023	8.3054	717588
30/11/2023	8.1963	708156
01/12/2023	8.3663	722844

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
02/12/2023	6.2058	536184
03/12/2023	6.1275	529416
04/12/2023	6.2046	536076
05/12/2023	3.0958	267480
06/12/2023	6.7375	582120
07/12/2023	9.2792	801720
08/12/2023	10.1054	873108
09/12/2023	16.8183	1453104
10/12/2023	7.3058	631224
11/12/2023	17.2300	1488672
12/12/2023	13.9163	1202364
13/12/2023	16.9896	1467900
14/12/2023	15.0213	1297836
15/12/2023	7.3354	633780
16/12/2023	7.3588	635796
17/12/2023	5.1858	448056
18/12/2023	6.0338	521316
19/12/2023	9.0761	751500
20/12/2023	6.6954	578484
21/12/2023	6.1663	532764
22/12/2023	6.1175	528552
23/12/2023	0.0142	1224
24/12/2023	2.8508	246312
25/12/2023	0.0150	1296
26/12/2023	0.0246	2124
27/12/2023	8.1121	700884
28/12/2023	10.2063	881820
29/12/2023	9.2221	796788
30/12/2023	9.2392	798264
31/12/2023	8.9413	772524
01/01/2024	15.9571	1378692
02/01/2024	18.0788	1562004
03/01/2024	12.6313	1091340
04/01/2024	17.9808	1553544
05/01/2024	15.5021	1339380
06/01/2024	21.2767	1838304
07/01/2024	14.9371	1290564
08/01/2024	19.3479	1671660
09/01/2024	15.9129	1374876
10/01/2024	8.5717	740592
11/01/2024	8.1663	705564
12/01/2024	11.4621	990324
13/01/2024	9.7950	846288
14/01/2024	4.6350	400464
15/01/2024	11.5729	999900
16/01/2024	0.0325	2808
17/01/2024	6.0842	525672

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
18/01/2024	5.9138	510948
19/01/2024	2.8050	242352
20/01/2024	0.0342	2952
21/01/2024	2.3413	202284
22/01/2024	2.5667	221760
23/01/2024	5.7983	500976
24/01/2024	7.9675	688392
25/01/2024	14.0300	1212192
26/01/2024	9.9017	855504
27/01/2024	9.5463	824796
28/01/2024	7.7204	667044
29/01/2024	10.1700	878688
30/01/2024	6.1278	397080
31/01/2024	9.7053	663840
01/02/2024	7.6710	579924
02/02/2024	4.8391	400680
03/02/2024	8.0904	669888
04/02/2024	6.1746	533484
05/02/2024	7.7325	668088
06/02/2024	6.1804	533988
07/02/2024	5.8716	401616
08/02/2024	7.6721	662868
09/02/2024	8.4850	733104
10/02/2024	7.7938	673380
11/02/2024	7.8433	677664
12/02/2024	7.6438	660420
13/02/2024	7.7163	666684
14/02/2024	7.9909	661644
15/02/2024	5.0822	420804
16/02/2024	12.4513	1030968
17/02/2024	15.4050	1330992
18/02/2024	15.2483	1317456
19/02/2024	14.5938	1260900
20/02/2024	12.2204	1011852
21/02/2024	4.7943	396972
22/02/2024	1.7476	132120
23/02/2024	4.1225	356184
24/02/2024	0.0170	1404
25/02/2024	3.9046	337356
26/02/2024	4.6046	397836
27/02/2024	1.3621	117684
28/02/2024	1.7488	151092
29/02/2024	0.0200	1728
01/03/2024	2.1613	186732
02/03/2024	0.0233	2016
03/03/2024	0.0200	1728
04/03/2024	3.5163	303804

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
05/03/2024	2.6421	228276
06/03/2024	1.5713	135756
07/03/2024	0.4029	34812
08/03/2024	3.1008	267912
09/03/2024	0.0400	3456
10/03/2024	0.0383	3312
11/03/2024	1.3513	116748
12/03/2024	0.3538	30564
13/03/2024	1.5583	134640
14/03/2024	2.9304	253188
15/03/2024	9.6358	832536
16/03/2024	8.1925	707832
17/03/2024	8.1958	708120
18/03/2024	8.1838	707076
19/03/2024	8.1763	706428
20/03/2024	8.1813	706860
21/03/2024	13.3483	1153296
22/03/2024	14.3879	1243116
23/03/2024	14.4983	1252656
24/03/2024	15.0046	1296396
25/03/2024	5.7325	495288
26/03/2024	10.8904	940932
27/03/2024	13.6421	1178676
28/03/2024	16.4342	1419912
29/03/2024	16.3788	1415124
30/03/2024	11.7938	1018980
31/03/2024	15.9923	1266588
01/04/2024	13.6183	1176624
02/04/2024	13.8650	1197936
03/04/2024	4.1208	356040
04/04/2024	1.6017	138384
05/04/2024	3.1167	269280
06/04/2024	0.0450	3888
07/04/2024	0.0458	3960
08/04/2024	1.6104	139140
09/04/2024	1.6013	138348
10/04/2024	7.8304	676548
11/04/2024	10.8779	939852
12/04/2024	6.2496	539964
13/04/2024	9.8921	854676
14/04/2024	7.0242	606888
15/04/2024	8.7417	755280
16/04/2024	9.2988	803412
17/04/2024	8.0300	693792
18/04/2024	4.7038	406404
19/04/2024	1.6661	137952
20/04/2024	0.0529	4572

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
21/04/2024	0.0608	5256
22/04/2024	1.5904	137412
23/04/2024	0.0663	5724
24/04/2024	3.2025	276696
25/04/2024	0.0629	5436
26/04/2024	2.4208	209160
27/04/2024	0.0717	6192
28/04/2024	3.1642	273384
29/04/2024	1.6171	139716
30/04/2024	0.0654	5652
01/05/2024	2.9154	251892
02/05/2024	0.0596	5148
03/05/2024	2.8688	247860
04/05/2024	0.0633	5472
05/05/2024	0.0613	5292
06/05/2024	3.1492	272088
07/05/2024	1.2792	110520
08/05/2024	0.0500	4320
09/05/2024	4.7075	406728
10/05/2024	9.2588	799956
11/05/2024	0.0429	3708
12/05/2024	3.0917	267120
13/05/2024	3.2000	276480
14/05/2024	0.0596	5148
15/05/2024	1.6042	138600
16/05/2024	3.1504	272196
17/05/2024	4.6788	404244
18/05/2024	0.0517	4464
19/05/2024	0.0608	5256
20/05/2024	0.9913	85644
21/05/2024	2.5346	218988
22/05/2024	1.8571	160452
23/05/2024	1.5888	137268
24/05/2024	1.5871	137124
25/05/2024	0.0421	3636
26/05/2024	0.0575	4968
27/05/2024	3.1346	270828
28/05/2024	1.5858	137016
29/05/2024	2.4908	215208
30/05/2024	2.2042	190440
31/05/2024	2.6583	229680
01/06/2024	0.0525	4536
02/06/2024	0.0421	3636
03/06/2024	0.0346	2988
04/06/2024	0.9404	81252
05/06/2024	1.7129	147996
06/06/2024	1.7004	146916

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
07/06/2024	1.6908	146088
08/06/2024	1.6725	144504
09/06/2024	1.6804	145188
10/06/2024	1.5979	138060
11/06/2024	1.6167	139680
12/06/2024	1.6096	139068
13/06/2024	1.6054	138708
14/06/2024	1.6088	138996
15/06/2024	1.6083	138960
16/06/2024	1.6050	138672
17/06/2024	1.7242	148968
18/06/2024	2.1758	187992
19/06/2024	2.1667	187200
20/06/2024	2.2779	196812
21/06/2024	3.1154	269172
22/06/2024	3.0971	267588
23/06/2024	3.0696	265212
24/06/2024	1.2817	110736
25/06/2024	0.0271	2340
26/06/2024	0.4950	42768
27/06/2024	1.5908	137448
28/06/2024	1.8717	161712
29/06/2024	1.8700	161568
30/06/2024	1.8575	160488
01/07/2024	1.6983	146736
02/07/2024	1.4892	128664
03/07/2024	0.7946	68652
04/07/2024	0.7063	61020
05/07/2024	1.3329	115164
06/07/2024	1.6154	139572
07/07/2024	0.6055	47952
08/07/2024	0.6400	52992
09/07/2024	1.0854	93780
10/07/2024	1.6621	143604
11/07/2024	2.3217	200592
12/07/2024	6.7242	580968
13/07/2024	0.0342	2952
14/07/2024	1.5808	136584
15/07/2024	1.5933	137664
16/07/2024	2.5442	219816
17/07/2024	1.5850	136944
18/07/2024	1.5542	134280
19/07/2024	1.5833	136800
20/07/2024	1.5788	136404
21/07/2024	2.3975	207144
22/07/2024	0.7625	65880
23/07/2024	2.2883	197712

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
24/07/2024	1.1146	96300
25/07/2024	2.2438	193860
26/07/2024	2.0458	176760
27/07/2024	2.0388	176148
28/07/2024	2.0379	176076
29/07/2024	0.8625	74520
30/07/2024	0.9488	81972
31/07/2024	1.9438	167940
01/08/2024	2.4158	208728
02/08/2024	2.4067	207936
03/08/2024	2.3308	201384
04/08/2024	2.3175	200232
05/08/2024	2.2988	198612
06/08/2024	1.9367	167328
07/08/2024	0.7775	67176
08/08/2024	1.0358	89496
09/08/2024	2.3600	203904
10/08/2024	2.2088	190836
11/08/2024	2.1996	190044
12/08/2024	1.2429	107388
13/08/2024	2.1867	188928
14/08/2024	2.3600	203904
15/08/2024	2.3783	205488
16/08/2024	2.3596	203868
17/08/2024	2.3413	202284
18/08/2024	2.3200	200448
19/08/2024	2.3271	201060
20/08/2024	2.3726	196452
21/08/2024	2.2804	197028
22/08/2024	2.0383	176112
23/08/2024	6.1913	534924
24/08/2024	0.0146	1260
25/08/2024	3.0550	263952
26/08/2024	3.0742	265608
27/08/2024	3.3592	290232
28/08/2024	5.0358	435096
29/08/2024	5.4042	466920
30/08/2024	2.2150	191376
31/08/2024	5.1842	447912
01/09/2024	3.0958	267480
02/09/2024	4.6733	403776
03/09/2024	4.3992	380088
04/09/2024	3.7558	324504
05/09/2024	3.3425	288792
06/09/2024	3.6417	314640
07/09/2024	6.1633	532512
08/09/2024	3.0721	265428

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
09/09/2024	5.2813	456300
10/09/2024	6.1654	532692
11/09/2024	3.2896	284220
12/09/2024	4.5896	396540
13/09/2024	4.2383	366192
14/09/2024	3.9458	340920
15/09/2024	6.0929	526428
16/09/2024	1.6621	143604
17/09/2024	1.9279	166572
18/09/2024	0.0054	468
19/09/2024	4.5433	392544
20/09/2024	2.7283	235728
21/09/2024	0.0321	2772
22/09/2024	0.0317	2736
23/09/2024	3.8675	334152
24/09/2024	0.0075	648
25/09/2024	0.0096	828
26/09/2024	7.0233	606816
27/09/2024	2.4567	212256
28/09/2024	0.0033	288
29/09/2024	0.7771	67140
30/09/2024	2.2813	197100
01/10/2024	4.9508	427752
02/10/2024	3.1758	274392
03/10/2024	1.6346	141228
04/10/2024	1.6558	143064
05/10/2024	0.0008	72
06/10/2024	4.6733	403776
07/10/2024	1.6492	142488
08/10/2024	0.0233	2016
09/10/2024	0.0558	4824
10/10/2024	3.3621	290484
11/10/2024	3.3658	290808
12/10/2024	3.9721	343188
13/10/2024	3.1758	274392
14/10/2024	2.5221	217908
15/10/2024	1.6708	144360
16/10/2024	0.8221	71028
17/10/2024	3.9550	341712
18/10/2024	3.3171	286596
19/10/2024	3.3363	288252
20/10/2024	4.0125	346680
21/10/2024	2.5479	174276
23/10/2024	3.3575	145044
24/10/2024	6.6850	577584
25/10/2024	8.2538	713124
26/10/2024	6.2850	543024

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
27/10/2024	6.2528	562752
28/10/2024	6.5583	566640
29/10/2024	6.5821	568692
30/10/2024	9.7817	845136
31/10/2024	8.0108	692136
01/11/2024	8.1867	707328
02/11/2024	9.6346	832428
03/11/2024	3.2767	283104
04/11/2024	0.0000	0
05/11/2024	1.9363	167292
06/11/2024	4.0575	350568
07/11/2024	0.0000	0
08/11/2024	4.2533	367488
09/11/2024	0.0004	36
10/11/2024	0.0033	288
11/11/2024	3.2442	280296
12/11/2024	2.1646	187020
13/11/2024	0.7342	63432
14/11/2024	1.7029	147132
15/11/2024	4.6688	403380
16/11/2024	0.0158	1368
17/11/2024	0.0017	144
18/11/2024	2.7596	238428
19/11/2024	0.0000	0
20/11/2024	1.1838	102276
21/11/2024	2.0738	179172
22/11/2024	2.6763	231228
23/11/2024	0.0329	2844
24/11/2024	0.0421	3636
25/11/2024	10.5513	911628
26/11/2024	12.9408	1118088
27/11/2024	10.2933	889344
28/11/2024	10.6146	917100
29/11/2024	14.6304	1264068
30/11/2024	11.5663	999324
01/12/2024	10.2654	886932
02/12/2024	12.7638	1102788
03/12/2024	14.8108	1279656
04/12/2024	13.1283	1134288
05/12/2024	9.9192	857016
06/12/2024	11.4729	991260
07/12/2024	11.7192	1012536
08/12/2024	12.1288	1047924
09/12/2024	8.2329	711324
10/12/2024	13.8208	1194120
11/12/2024	13.0900	1130976
12/12/2024	13.0633	1128672

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
13/12/2024	14.3200	1237248
14/12/2024	12.3692	1068696
15/12/2024	13.3000	1149120
16/12/2024	11.9458	1032120
17/12/2024	10.9463	945756
18/12/2024	9.5300	823392
19/12/2024	14.0808	1216584
20/12/2024	11.4479	989100
21/12/2024	12.7529	1101852
22/12/2024	11.4321	987732
23/12/2024	7.1729	619740
24/12/2024	2.5067	216576
25/12/2024	0.0000	0
26/12/2024	0.0000	0
27/12/2024	1.5808	136584
28/12/2024	0.0000	0
29/12/2024	0.0000	0
30/12/2024	3.2983	284976
31/12/2024	3.1438	271620
01/01/2025	0.0000	0
02/01/2025	1.5804	136548
03/01/2025	3.0371	262404
04/01/2025	0.0038	324
05/01/2025	0.0475	4104
06/01/2025	0.0283	2448
07/01/2025	3.3121	286164
08/01/2025	4.9079	424044
09/01/2025	6.1822	511884
10/01/2025	9.7675	843912
11/01/2025	11.3975	984744
12/01/2025	12.9163	1115964
13/01/2025	13.3850	1156464
14/01/2025	10.0854	871380
15/01/2025	7.9796	689436
16/01/2025	11.2100	968544
17/01/2025	11.4338	987876
18/01/2025	14.0096	1210428
19/01/2025	14.5167	1254240
20/01/2025	6.5558	566424
21/01/2025	3.2317	279216
22/01/2025	1.6142	139464
23/01/2025	0.7233	62496
24/01/2025	6.4967	561312
25/01/2025	15.5379	1342476
26/01/2025	13.4742	1164168
27/01/2025	4.9538	428004
28/01/2025	12.2500	1058400

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
29/01/2025	13.2942	1148616
30/01/2025	5.6136	282924
31/01/2025	13.6380	981936
01/02/2025	11.7246	1013004
02/02/2025	12.7642	1102824
03/02/2025	13.0925	1131192
04/02/2025	1.5442	133416
05/02/2025	3.6775	317736
06/02/2025	1.3988	120852
07/02/2025	3.3450	289008
08/02/2025	5.9033	510048
09/02/2025	6.2950	543888
10/02/2025	5.6481	426996
12/02/2025	0.0000	0
13/02/2025	0.0678	2196
14/02/2025	1.6842	145512
15/02/2025	0.0725	6264
16/02/2025	0.0725	6264
17/02/2025	3.2975	284904
18/02/2025	0.9079	78444
19/02/2025	0.0750	6480
20/02/2025	1.7204	148644
21/02/2025	1.7213	148716
22/02/2025	0.0821	7092
23/02/2025	0.0996	8604
24/02/2025	3.6963	319356
25/02/2025	3.3654	290772
26/02/2025	0.1000	8640
27/02/2025	6.7088	579636
28/02/2025	9.4317	814896
01/03/2025	6.6763	576828
02/03/2025	8.3283	719568
03/03/2025	9.8342	849672
04/03/2025	5.0413	435564
05/03/2025	0.0946	8172
06/03/2025	3.3608	290376
07/03/2025	0.1038	8964
08/03/2025	0.1142	9864
09/03/2025	1.7650	152496
10/03/2025	1.7529	151452
11/03/2025	3.1900	275616
12/03/2025	1.7646	152460
13/03/2025	2.5979	224460
14/03/2025	1.7379	150156
15/03/2025	2.2754	196596
16/03/2025	0.1083	9360
17/03/2025	0.1142	9864

Date	Average Pollaphuca Discharge (m ³ /s) (based on hourly data)	Daily Volume (m ³)
18/03/2025	2.0638	178308
19/03/2025	3.3400	288576
20/03/2025	1.9442	167976
21/03/2025	1.7038	147204
22/03/2025	0.0808	6984
23/03/2025	0.0750	6480
24/03/2025	1.7000	146880
25/03/2025	0.0684	4680