

DISCLAIMER STATEMENT

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This Disclaimer Statement is being issued by KWSC in relation to the Project. Further to the request of various Interested Parties during the Pre-Bid Meeting dated September 4, 2024, KWSC has elected to provide the following technical studies (collectively, the **Technical Studies**) conducted by the technical advisors for the Project on behalf of KWSC:

1. Bathymetric Study;
2. Climatic Data;
3. Geotechnical Investigation Report;
4. Seawater Intake Drawings;
5. Geography & Topography Survey;
6. Water Sample Report; and
7. Environmental Impact Assessment Report

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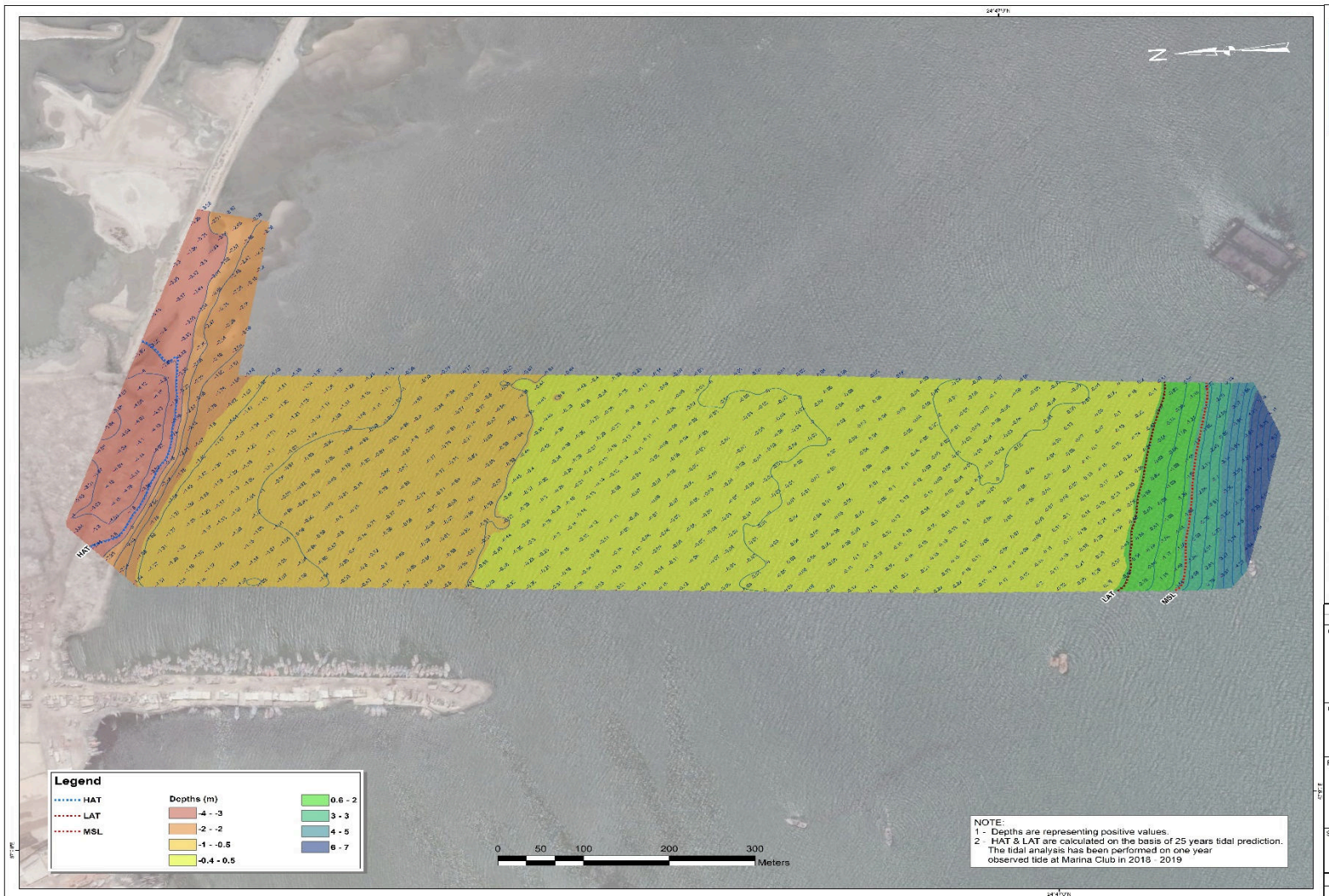
KWSC reserves the right to amend, supplement, or withdraw any part of the Technical Studies at any time without notice. The provision of Technical Studies does not obligate KWSC to provide any updates, corrections, or additional information, nor does it create any obligation for KWSC to enter into any agreement or contract with any Interested Parties.

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By accessing the Technical Studies, the Interested Parties acknowledge and accept this Disclaimer Statement by the act of using and relying upon the Technical Studies.

This Disclaimer Statement is to be read in conjunction with, and forms part of, the RFP Documents.

"5 MGD DESALINATION PLANT AT IBRAHIM HYDERI"



BATHYMETRY SURVEY

Karachi Water & Sewerage Board (KW&SB).

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Annexure-B: Bathymetric and Beach Profile

Drawing No. G-001: Depth Representation with reference to Chart Datum (CD)

Drawing No. G-002: Depth Representation with reference to Lowest Astronomical Tide (LAT)

Drawing No. G-003: Depth Representation with reference to Highest Astronomical Tide (HAT)

1.0 Bathymetry Survey

Techno-Consult International has carried out bathymetric survey of area North-East of Ibrahim Hyderi for KW&SB for setting up the 5 MGD desalination plant. The survey was conducted from 16th August 2022 to 31st August 2022 by using TCI survey boat Enterprise using IHO Standards and followed by the following survey:

- Conductivity Temperature & Depth
- Beach Profiling
- Grab Sampling

The objective of the Hydrographic Survey is to have the knowledge of seabed contours undersea terrain information for water intake with head of 2m in lowest low water. The survey line was designed at North-South directions with line apart of 25m up to 8m depth on southern site.

Hypack/HYSWEEP Software Version 2020 used for single-beam bathymetric survey, the said software was used for planning of survey lines and precise navigation with the help of TrimbleR2 GPS for positioning in real-time mode.

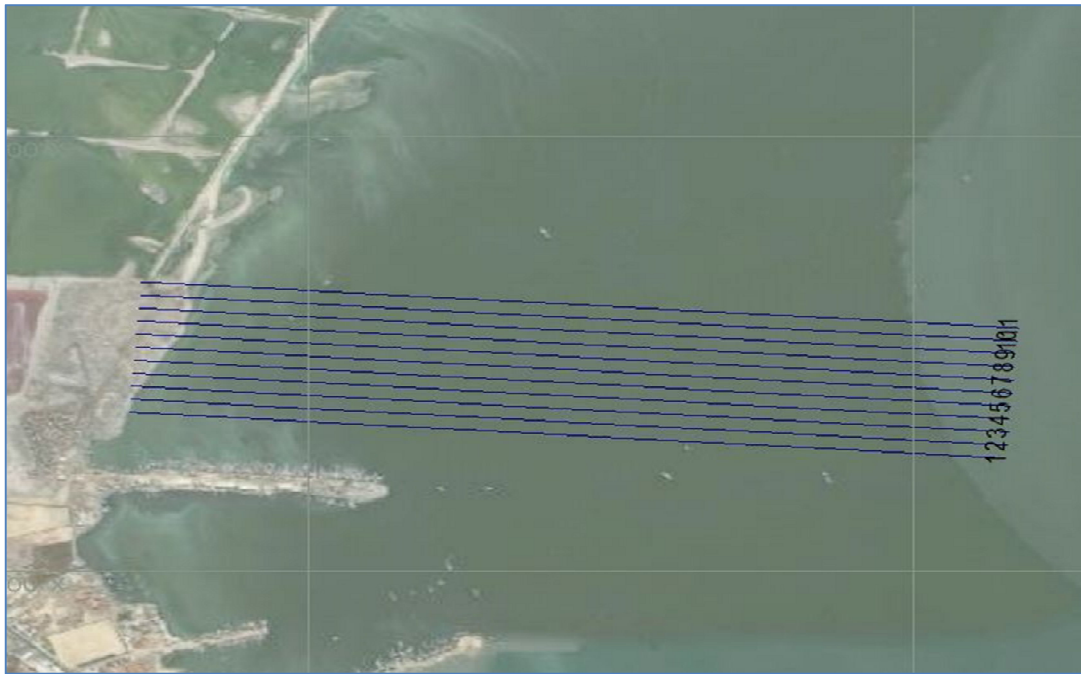


Figure 1: Bathymetry Planned Lines

1.1 Survey Parameter

Spheroid	WGS-84
Semi-Major axis	6378137.0m
Flattening	298.257223563

1.2 Survey Projection

Projection	UTM
Zone	42North
Origin of Latitude	00N
Origin of Longitude	69E
False Easting	500,000
False Northing	0
Scale Factor	0.9996

1.3 Control Point

The coordinates of control points are as under:

Marina Club

Latitude: 24°47'44.16940"N

Longitude: 67°04'48.98814"E

Height: 9.981m above Chart Datum

KWSB Project Site (BM1)

Latitude: 24°47'34.65163"N

Longitude: 67°09'21.90531"E

Height: 4.249m above Chart Datum

1.4 Weather

Fair weather was observed during conduct of survey wind direction was west-southwest wind speed 2-8 north, sea state was 1-2, visibility was 6-10Kms, swell height 0.01m-0.5m.

1.5 Conduct of Survey

The hydrographic survey was carried out by sounding with precise positioning and setting up of control point network in real time kinematic using GPS, echo sounder and real time navigation onboard survey vessel "Enterprise". The Hypack 2020 software was used to conduct hydrographic surveying and processing of survey data. This software also in use by US corps of Engineers for hydrographic surveys. One of the useful feature of Hypack software was that it provided guidance to the survey vessel in real time for accurate positioning using a complex combination of parameters such as radio based GPS(real-time) positioning, planned survey lines, site features etc.

Information regarding vessel track guideline, design profile and plotting parameters were performed into the Hypack prior to start of survey onboard the survey vessel.

1.6 Depth Measurement

The single beam Odom equipment was deployed for measuring depth. This provided depth data every 100 milliseconds which was fed in to the Hypack software the echo sounder was calibrated before start of survey with lead line, the latency check also performed before start of bathymetric survey. Figure below showing the processed single beam data with depths reduced to local chart datum.

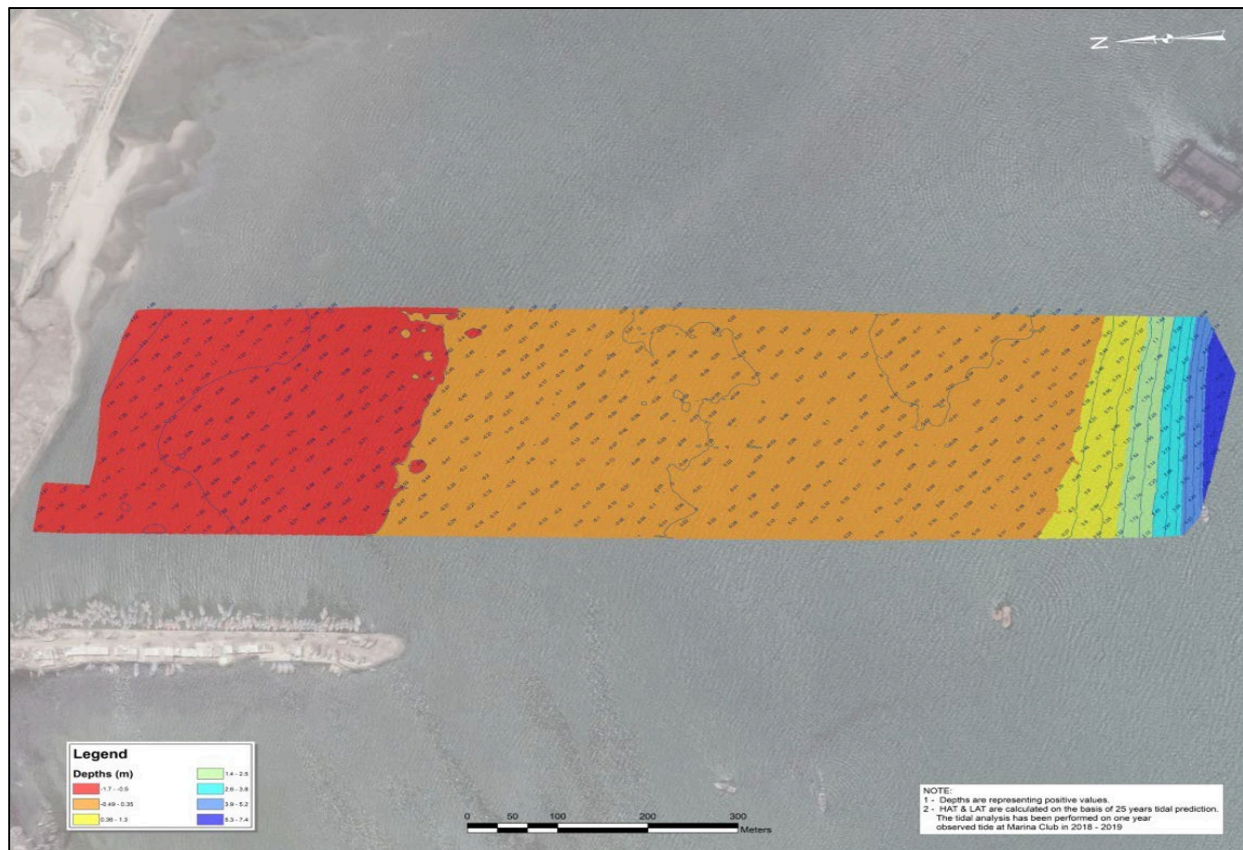


Figure 2: Bathymetry Sounding with reference to local datum

2.0 Beach Profile

GPS Post Processing Kinematic survey has been conduct for mapping of coastline to delineate High water & Low water lines during spring tides when high water reaches maximum heights and low water recedes the most.

Processed bathymetry depth at local chart datum finally been merged with beach profile and highest astronomical tide (HAT), lowest astronomical tide (LAT) and MSL has been marked over contours as shown in map below. See Annexure-B for detail Bathymetry Sounding Charts.

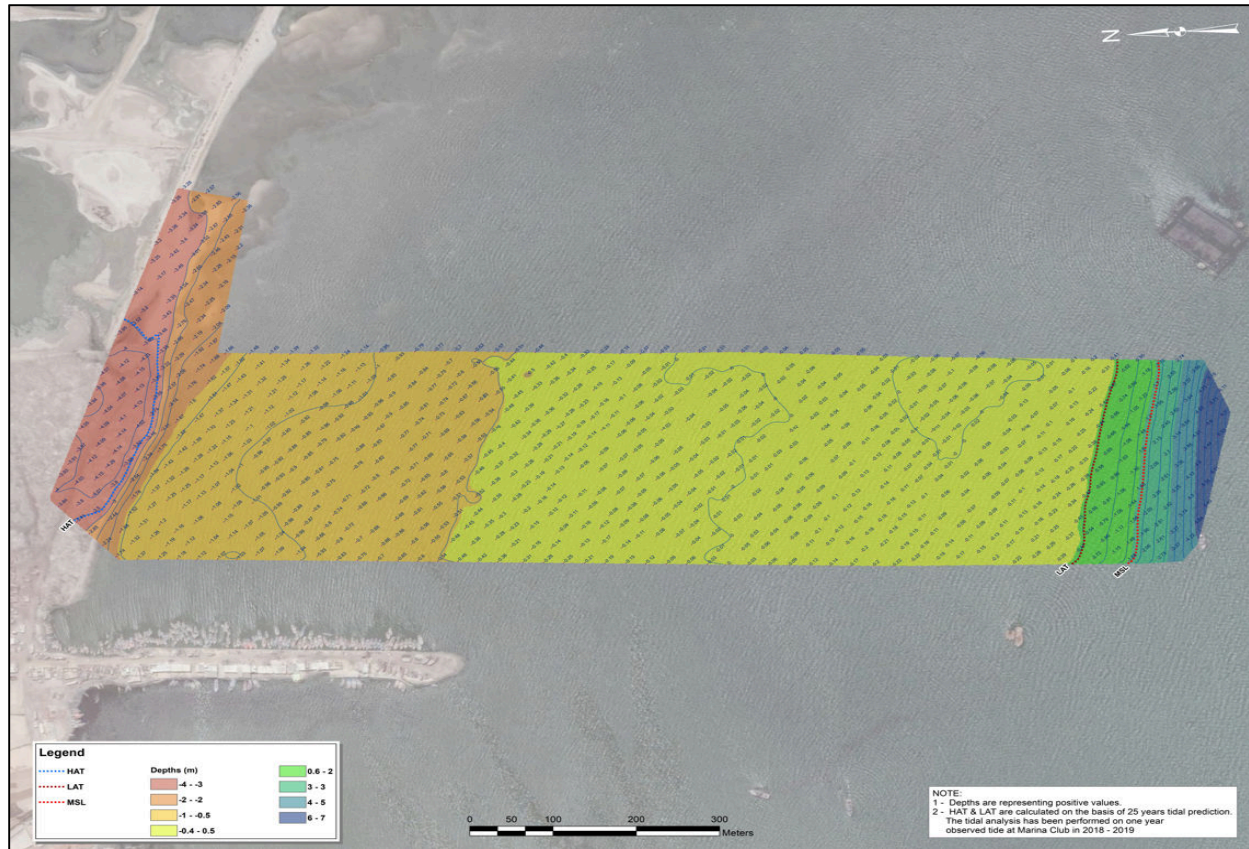


Figure 3: Combined Bathymetry and Beach Profile marked with High water and Low water lines

3.0 CTD MEASUREMENTS

In accordance with schedule of survey works, the required CTD (Conductivity, Temperature, Depth) Water Column Stratification measurement obtained at locations where minimum depth of 2m in lowest low water are available.

The CTD survey was carried out in SW Monsoon season in the month of August 2022. The total of 12 hours observations has been carried out at every 01 hour interval during ebbing and flooding tide.

The locations at which CTD measurements were conducted is given in figure below, while the observed parameters in tabular form is presented in Appendix-A



Figure 4: Location for CTD measurement

4.0 Tidal Constituents Analysis

The tide is a periodical movement in the level of the surface of the sea or ocean, due to the gravitational attraction between the Earth, Moon and Sun. Based on the one year long tidal observations at Marina Club in the year 2018 to 2019 made, the harmonic analysis has been performed to obtain tidal constituents.

The 68 numbers tidal constituents obtained from the one-year data, tide predictions were attempted for 25 years to obtain provisional HAT, LAT and MSL values. Tide prediction model purely provides tide generation as a consequence of movement of astronomical bodies alone, it does not predict the water level rise due to wind, surges or wave setup effects. Hence it can be inferred that tidal constituents and based on which datum has been computed can be used as an initial estimate to determine a first estimate of the tidal datum and MSL.

4.1 Tidal Statistics

Level of prediction in Gizri Creek is Chart Datum, which is 9.98 meter below the TCI benchmark located in Marina Club jurisdiction. Given below are the water levels derived from tidal prediction based on 64 harmonics constituents achieved through one year observed tide at marina club.

Highest Astronomical Tide (HAT): 3.47 metres

HAT occurs at 01:10 (local time) on 04/01/2014

Lowest Astronomical Tide (LAT): -0.51 metres

LAT occurs at 16:51 (local time) on 24/11/2003

Maximum Tidal Range possible: 3.94 metres

Mean High Water Spring (MHWS): 3.03 metres

Mean High Water Neap (MHWN): 2.35 metres

Mean Low Water Neap (MLWN): 1.28 metres

Mean Low Water Spring (MLWS): 0.61 metres

Tide Type: 0.50 (mixed)

Shallow Water Influence: 0.07

Selected Period: 01/01/2015 to 31/12/2040

Highest Tide in this period: 3.48 metres

Lowest Tide in this period: -0.49 metres

Largest Tidal Range in this period: 3.94 metres

Average Flood time: 6 hours 15 minutes

Average Ebb time: 6 hours 9 minutes

Quickest Flood time: 2 hours 39 minutes

Annexure-A

CTD (Conductivity, Temperature and Depth) **Measurement**

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	08:19:03	50.358	29.448	1.01	30.0	7.93	1539.25
8/31/2022	08:19:03	50.359	29.449	1.02	30.0	7.9	1539.25
8/31/2022	08:19:03	50.36	29.448	1.02	30.0	7.9	1539.26
8/31/2022	08:19:03	50.36	29.448	1.04	30.0	7.93	1539.26
8/31/2022	08:19:03	50.36	29.448	1.05	30.0	7.93	1539.26
8/31/2022	08:19:03	50.36	29.448	1.06	30.0	7.9	1539.26
8/31/2022	08:19:03	50.36	29.448	1.07	30.0	7.9	1539.26
8/31/2022	08:19:03	50.36	29.448	1.09	30.0	7.93	1539.26
8/31/2022	08:19:03	50.36	29.448	1.12	30.0	7.93	1539.26
8/31/2022	08:19:03	50.361	29.448	1.14	30.0	7.9	1539.26
8/31/2022	08:19:03	50.361	29.447	1.16	30.0	7.9	1539.26
8/31/2022	08:19:03	50.364	29.447	1.2	30.0	7.9	1539.26
8/31/2022	08:19:03	50.365	29.447	1.22	30.0	7.93	1539.26
8/31/2022	08:19:03	50.365	29.447	1.25	30.0	7.93	1539.26
8/31/2022	08:19:03	50.367	29.446	1.29	30.0	7.9	1539.26
8/31/2022	08:19:03	50.367	29.446	1.31	30.0	7.93	1539.26
8/31/2022	08:19:03	50.367	29.446	1.36	30.0	7.93	1539.26
8/31/2022	08:19:04	50.367	29.446	1.4	30.0	7.93	1539.26
8/31/2022	08:19:04	50.369	29.446	1.43	30.0	7.9	1539.26
8/31/2022	08:19:04	50.369	29.445	1.48	30.0	7.93	1539.27
8/31/2022	08:19:04	50.368	29.445	1.51	30.0	7.9	1539.26
8/31/2022	08:19:04	50.368	29.445	1.53	30.0	7.93	1539.26
8/31/2022	08:19:04	50.367	29.445	1.56	30.0	7.9	1539.26
8/31/2022	08:19:04	50.363	29.447	1.58	30.0	7.9	1539.26
8/31/2022	08:19:04	50.362	29.448	1.61	30.0	7.9	1539.27
8/31/2022	08:19:04	50.361	29.447	1.63	30.0	7.93	1539.27
8/31/2022	08:19:04	50.361	29.448	1.63	30.0	7.9	1539.27
8/31/2022	08:19:04	50.36	29.448	1.65	30.0	7.9	1539.27
8/31/2022	08:19:04	50.36	29.449	1.66	30.0	7.9	1539.27
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8/31/2022	08:19:05	50.361	29.448	1.78	30.0	7.93	1539.27
8/31/2022	08:19:05	50.361	29.448	1.8	30.0	7.93	1539.27
8/31/2022	08:19:05	50.362	29.448	1.82	30.0	7.93	1539.27
8/31/2022	08:19:05	50.363	29.448	1.87	30.0	7.9	1539.27
8/31/2022	08:19:05	50.361	29.448	1.9	30.0	7.9	1539.27
8/31/2022	08:19:05	50.361	29.448	1.93	30.0	7.9	1539.27
8/31/2022	08:19:05	50.361	29.448	1.97	30.0	7.93	1539.27
8/31/2022	08:19:05	50.362	29.448	2	30.0	7.93	1539.27
8/31/2022	08:19:05	50.364	29.449	2.04	30.0	7.9	1539.28
8/31/2022	08:19:05	50.367	29.449	2.09	30.0	7.9	1539.28
8/31/2022	08:19:05	50.368	29.449	2.13	30.0	7.9	1539.28
8/31/2022	08:19:05	50.37	29.449	2.18	30.0	7.9	1539.28
8/31/2022	08:19:05	50.369	29.449	2.22	30.0	7.9	1539.28
8/31/2022	08:19:05	50.369	29.449	2.24	30.0	7.9	1539.28
8/31/2022	08:19:05	50.367	29.449	2.28	30.0	7.9	1539.28
8/31/2022	08:19:05	50.363	29.45	2.32	30.0	7.9	1539.28
8/31/2022	08:19:05	50.362	29.45	2.33	30.0	7.9	1539.28
8/31/2022	08:19:05	50.36	29.449	2.35	30.0	7.9	1539.28
8/31/2022	08:19:06	50.359	29.449	2.36	30.0	7.9	1539.28
8/31/2022	08:19:06	50.359	29.449	2.37	30.0	7.93	1539.28
8/31/2022	08:19:06	50.36	29.449	2.37	30.0	7.9	1539.28
8/31/2022	08:19:06	50.36	29.449	2.37	30.0	7.9	1539.28
8/31/2022	08:19:06	50.361	29.449	2.38	30.0	7.93	1539.28

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	08:19:06	50.361	29.449	2.38	30.0	7.9	1539.28
8/31/2022	08:19:06	50.361	29.449	2.4	30.0	7.9	1539.28
8/31/2022	08:19:06	50.362	29.449	2.4	30.0	7.93	1539.28
8/31/2022	08:19:06	50.361	29.449	2.42	30.0	7.93	1539.28
8/31/2022	08:19:06	50.362	29.449	2.44	30.0	7.9	1539.28
8/31/2022	08:19:06	50.362	29.449	2.46	30.0	7.9	1539.28
8/31/2022	08:19:06	50.361	29.449	2.48	30.0	7.9	1539.28
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8/31/2022	08:19:07	50.37	29.445	2.94	30.0	7.9	1539.29
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8/31/2022	08:19:08	50.345	29.441	3.4	30.0	7.9	1539.27
8/31/2022	08:19:08	50.345	29.441	3.43	30.0	7.9	1539.27
8/31/2022	08:19:08	50.345	29.442	3.46	30.0	7.9	1539.28
8/31/2022	08:19:08	50.344	29.442	3.49	30.0	7.9	1539.28
8/31/2022	08:19:08	50.344	29.442	3.52	30.0	7.9	1539.28
8/31/2022	08:19:09	50.345	29.442	3.56	30.0	7.9	1539.28
8/31/2022	08:19:09	50.346	29.441	3.61	30.0	7.9	1539.28
8/31/2022	08:19:09	50.348	29.441	3.63	30.0	7.9	1539.28
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8/31/2022	08:19:09	50.35	29.44	3.69	30.0	7.9	1539.28
8/31/2022	08:19:09	50.35	29.441	3.7	30.0	7.9	1539.28
8/31/2022	08:19:09	50.35	29.441	3.72	30.0	7.9	1539.28
8/31/2022	08:19:09	50.35	29.441	3.73	30.0	7.93	1539.28
8/31/2022	08:19:09	50.35	29.441	3.73	30.0	7.9	1539.28
8/31/2022	08:19:09	50.35	29.441	3.74	30.0	7.9	1539.28
8/31/2022	08:19:09	50.35	29.441	3.73	30.0	7.9	1539.28
8/31/2022	08:19:09	50.349	29.441	3.74	30.0	7.9	1539.28

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	08:19:09	50.348	29.441	3.75	30.0	7.9	1539.28
8/31/2022	08:19:09	50.349	29.442	3.76	30.0	7.9	1539.28
8/31/2022	08:19:09	50.349	29.442	3.77	30.0	7.9	1539.28
8/31/2022	08:19:09	50.349	29.441	3.79	30.0	7.9	1539.28
8/31/2022	08:19:09	50.35	29.441	3.8	30.0	7.93	1539.28
8/31/2022	08:19:09	50.35	29.441	3.82	30.0	7.9	1539.28
8/31/2022	08:19:09	50.35	29.441	3.84	30.0	7.9	1539.29
8/31/2022	08:19:09	50.351	29.442	3.87	30.0	7.9	1539.29
8/31/2022	08:19:09	50.351	29.441	3.9	30.0	7.9	1539.29
8/31/2022	08:19:10	50.351	29.441	3.92	30.0	7.93	1539.29
8/31/2022	08:19:10	50.351	29.441	3.96	30.0	7.9	1539.29
8/31/2022	08:19:10	50.351	29.441	3.98	30.0	7.9	1539.29
8/31/2022	08:19:10	50.35	29.441	4.02	30.0	7.9	1539.29
8/31/2022	08:19:10	50.351	29.441	4.04	30.0	7.9	1539.29
8/31/2022	08:19:10	50.351	29.441	4.08	30.0	7.9	1539.29
8/31/2022	08:19:10	50.353	29.441	4.12	30.0	7.9	1539.29
8/31/2022	08:19:10	50.354	29.441	4.15	30.0	7.9	1539.29
8/31/2022	08:19:10	50.353	29.441	4.2	30.0	7.9	1539.29
8/31/2022	08:19:10	50.354	29.441	4.23	30.0	7.9	1539.29
8/31/2022	08:19:10	50.353	29.441	4.26	30.0	7.9	1539.29
8/31/2022	08:19:10	50.353	29.441	4.31	30.0	7.9	1539.29
8/31/2022	08:19:10	50.353	29.441	4.34	30.0	7.9	1539.3
8/31/2022	08:19:10	50.353	29.441	4.38	30.0	7.9	1539.3
8/31/2022	08:19:10	50.353	29.442	4.44	30.0	7.9	1539.3
8/31/2022	08:19:10	50.117	29.442	4.46	29.8	7.93	1539.13

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	09:00:37	50.474	29.418	1.01	30.1	7.9	1539.29
8/31/2022	09:00:37	50.476	29.418	1.04	30.1	7.9	1539.29
8/31/2022	09:00:37	50.477	29.417	1.08	30.1	7.9	1539.29
8/31/2022	09:00:37	50.479	29.418	1.13	30.1	7.9	1539.29
8/31/2022	09:00:38	50.481	29.417	1.17	30.1	7.9	1539.3
8/31/2022	09:00:38	50.481	29.417	1.21	30.1	7.9	1539.3
8/31/2022	09:00:38	50.481	29.416	1.25	30.1	7.9	1539.3
8/31/2022	09:00:38	50.481	29.416	1.28	30.1	7.9	1539.3
8/31/2022	09:00:38	50.481	29.416	1.32	30.1	7.9	1539.3
8/31/2022	09:00:38	50.481	29.415	1.37	30.1	7.9	1539.3
8/31/2022	09:00:38	50.481	29.415	1.4	30.1	7.9	1539.3
8/31/2022	09:00:38	50.482	29.415	1.42	30.1	7.9	1539.3
8/31/2022	09:00:38	50.482	29.415	1.44	30.1	7.9	1539.3
8/31/2022	09:00:38	50.482	29.415	1.46	30.1	7.9	1539.3
8/31/2022	09:00:38	50.482	29.416	1.46	30.1	7.9	1539.3
8/31/2022	09:00:38	50.482	29.417	1.46	30.1	7.9	1539.3
8/31/2022	09:00:38	50.482	29.417	1.47	30.1	7.9	1539.3
8/31/2022	09:00:38	50.481	29.417	1.46	30.1	7.9	1539.3
8/31/2022	09:00:38	50.481	29.417	1.46	30.1	7.9	1539.3
8/31/2022	09:00:38	50.481	29.417	1.47	30.1	7.9	1539.3
8/31/2022	09:00:38	50.481	29.416	1.48	30.1	7.9	1539.3
8/31/2022	09:00:38	50.481	29.416	1.48	30.1	7.9	1539.3
8/31/2022	09:00:39	50.481	29.416	1.48	30.1	7.9	1539.3
8/31/2022	09:00:39	50.481	29.416	1.49	30.1	7.9	1539.3
8/31/2022	09:00:39	50.481	29.416	1.5	30.1	7.9	1539.3
8/31/2022	09:00:39	50.481	29.416	1.51	30.1	7.9	1539.3
8/31/2022	09:00:39	50.481	29.416	1.54	30.1	7.9	1539.3
8/31/2022	09:00:39	50.481	29.416	1.55	30.1	7.9	1539.3
8/31/2022	09:00:39	50.482	29.417	1.59	30.1	7.9	1539.3
8/31/2022	09:00:39	50.482	29.418	1.62	30.1	7.9	1539.3
8/31/2022	09:00:39	50.483	29.418	1.64	30.1	7.9	1539.31
8/31/2022	09:00:39	50.484	29.418	1.68	30.1	7.9	1539.31
8/31/2022	09:00:39	50.484	29.419	1.73	30.1	7.9	1539.31
8/31/2022	09:00:39	50.483	29.419	1.77	30.1	7.9	1539.31
8/31/2022	09:00:39	50.481	29.418	1.81	30.1	7.9	1539.31
8/31/2022	09:00:39	50.481	29.417	1.87	30.1	7.9	1539.31
8/31/2022	09:00:39	50.481	29.417	1.92	30.1	7.9	1539.31
8/31/2022	09:00:39	50.48	29.416	1.97	30.1	7.9	1539.31
8/31/2022	09:00:39	50.48	29.416	2.01	30.1	7.9	1539.31
8/31/2022	09:00:39	50.481	29.416	2.04	30.1	7.9	1539.31
8/31/2022	09:00:39	50.481	29.416	2.1	30.1	7.9	1539.31
8/31/2022	09:00:40	50.481	29.415	2.13	30.1	7.9	1539.31

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	09:00:40	50.481	29.415	2.17	30.1	7.9	1539.31
8/31/2022	09:00:40	50.481	29.415	2.19	30.1	7.9	1539.31
8/31/2022	09:00:40	50.482	29.414	2.21	30.1	7.9	1539.31
8/31/2022	09:00:40	50.481	29.414	2.23	30.1	7.9	1539.31
8/31/2022	09:00:40	50.48	29.413	2.24	30.1	7.9	1539.31
8/31/2022	09:00:40	50.481	29.413	2.25	30.1	7.9	1539.31
8/31/2022	09:00:40	50.48	29.413	2.25	30.1	7.9	1539.31
8/31/2022	09:00:40	50.479	29.413	2.25	30.1	7.9	1539.31
8/31/2022	09:00:40	50.479	29.413	2.24	30.1	7.9	1539.31
8/31/2022	09:00:40	50.477	29.413	2.23	30.1	7.9	1539.3
8/31/2022	09:00:40	50.477	29.412	2.23	30.1	7.9	1539.3
8/31/2022	09:00:40	50.477	29.412	2.23	30.1	7.9	1539.3
8/31/2022	09:00:40	50.476	29.411	2.23	30.1	7.9	1539.3
8/31/2022	09:00:40	50.476	29.41	2.23	30.1	7.9	1539.3
8/31/2022	09:00:40	50.476	29.41	2.23	30.1	7.9	1539.3
8/31/2022	09:00:40	50.476	29.41	2.23	30.1	7.9	1539.3
8/31/2022	09:00:40	50.476	29.409	2.24	30.1	7.9	1539.3
8/31/2022	09:00:40	50.476	29.41	2.25	30.1	7.9	1539.3
8/31/2022	09:00:41	50.476	29.409	2.27	30.1	7.9	1539.3
8/31/2022	09:00:41	50.476	29.409	2.29	30.1	7.9	1539.3
8/31/2022	09:00:41	50.476	29.409	2.31	30.1	7.9	1539.3
8/31/2022	09:00:41	50.475	29.409	2.33	30.1	7.9	1539.3
8/31/2022	09:00:41	50.474	29.408	2.36	30.1	7.9	1539.3
8/31/2022	09:00:41	50.472	29.406	2.4	30.1	7.9	1539.29
8/31/2022	09:00:41	50.47	29.406	2.45	30.1	7.9	1539.29
8/31/2022	09:00:41	50.469	29.405	2.48	30.1	7.9	1539.29
8/31/2022	09:00:41	50.469	29.404	2.52	30.1	7.9	1539.29
8/31/2022	09:00:41	50.468	29.403	2.57	30.1	7.9	1539.29
8/31/2022	09:00:41	50.467	29.402	2.6	30.1	7.9	1539.29
8/31/2022	09:00:41	50.467	29.402	2.63	30.1	7.9	1539.29
8/31/2022	09:00:41	50.466	29.401	2.68	30.1	7.9	1539.29
8/31/2022	09:00:41	50.466	29.401	2.72	30.1	7.9	1539.29
8/31/2022	09:00:41	50.466	29.4	2.76	30.1	7.9	1539.29
8/31/2022	09:00:41	50.466	29.4	2.79	30.1	7.9	1539.29
8/31/2022	09:00:41	50.466	29.399	2.82	30.1	7.9	1539.29
8/31/2022	09:00:41	50.466	29.4	2.85	30.1	7.9	1539.29
8/31/2022	09:00:41	50.467	29.401	2.89	30.1	7.9	1539.29
8/31/2022	09:00:42	50.467	29.403	2.91	30.1	7.9	1539.29
8/31/2022	09:00:42	50.467	29.404	2.92	30.1	7.9	1539.29
8/31/2022	09:00:42	50.467	29.404	2.94	30.1	7.9	1539.3
8/31/2022	09:00:42	50.466	29.404	2.94	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.403	2.94	30.1	7.9	1539.29

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	09:00:42	50.466	29.404	2.93	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.404	2.93	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.403	2.93	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.403	2.93	30.1	7.9	1539.29
8/31/2022	09:00:42	50.467	29.403	2.93	30.1	7.9	1539.29
8/31/2022	09:00:42	50.467	29.403	2.93	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.402	2.92	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.402	2.91	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.402	2.92	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.402	2.92	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.402	2.93	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.402	2.94	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.401	2.95	30.1	7.9	1539.29
8/31/2022	09:00:42	50.466	29.402	2.98	30.1	7.9	1539.29
8/31/2022	09:00:43	50.466	29.402	3	30.1	7.9	1539.29
8/31/2022	09:00:43	50.466	29.402	3.03	30.1	7.9	1539.29
8/31/2022	09:00:43	50.466	29.402	3.07	30.1	7.9	1539.29
8/31/2022	09:00:43	50.466	29.401	3.1	30.1	7.9	1539.29
8/31/2022	09:00:43	50.467	29.403	3.12	30.1	7.9	1539.3
8/31/2022	09:00:43	50.468	29.402	3.15	30.1	7.9	1539.3
8/31/2022	09:00:43	50.469	29.402	3.18	30.1	7.9	1539.3
8/31/2022	09:00:43	50.47	29.403	3.2	30.1	7.9	1539.3
8/31/2022	09:00:43	50.47	29.403	3.23	30.1	7.9	1539.3
8/31/2022	09:00:43	50.47	29.403	3.26	30.1	7.9	1539.3
8/31/2022	09:00:43	50.47	29.405	3.29	30.1	7.9	1539.3
8/31/2022	09:00:43	50.47	29.405	3.32	30.1	7.9	1539.31
8/31/2022	09:00:43	50.47	29.405	3.34	30.1	7.9	1539.31
8/31/2022	09:00:43	50.471	29.405	3.37	30.1	7.9	1539.31
8/31/2022	09:00:43	50.47	29.404	3.39	30.1	7.9	1539.31
8/31/2022	09:00:43	50.47	29.404	3.41	30.1	7.9	1539.31
8/31/2022	09:00:43	50.47	29.404	3.43	30.1	7.9	1539.31
8/31/2022	09:00:43	50.47	29.405	3.44	30.1	7.9	1539.31
8/31/2022	09:00:43	50.47	29.405	3.45	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.406	3.46	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.406	3.47	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.405	3.47	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.406	3.48	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.407	3.49	30.1	7.9	1539.31
8/31/2022	09:00:44	50.471	29.406	3.5	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.406	3.51	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.406	3.53	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.407	3.54	30.1	7.9	1539.31

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	09:00:44	50.469	29.407	3.56	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.406	3.58	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.407	3.6	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.406	3.62	30.1	7.9	1539.31
8/31/2022	09:00:44	50.469	29.406	3.66	30.1	7.9	1539.31
8/31/2022	09:00:44	50.469	29.406	3.69	30.1	7.9	1539.31
8/31/2022	09:00:44	50.469	29.406	3.74	30.1	7.9	1539.31
8/31/2022	09:00:44	50.469	29.407	3.77	30.1	7.9	1539.31
8/31/2022	09:00:44	50.47	29.407	3.82	30.1	7.9	1539.32
8/31/2022	09:00:45	50.471	29.407	3.85	30.1	7.9	1539.32
8/31/2022	09:00:45	50.47	29.407	3.89	30.1	7.9	1539.32
8/31/2022	09:00:45	50.47	29.406	3.92	30.1	7.9	1539.32
8/31/2022	09:00:45	50.47	29.406	3.96	30.1	7.9	1539.32
8/31/2022	09:00:45	50.47	29.406	3.99	30.1	7.9	1539.32
8/31/2022	09:00:45	50.471	29.406	4.02	30.1	7.9	1539.32
8/31/2022	09:00:45	50.472	29.407	4.05	30.1	7.9	1539.32
8/31/2022	09:00:45	50.472	29.407	4.07	30.1	7.9	1539.32
8/31/2022	09:00:45	50.472	29.407	4.09	30.1	7.9	1539.32
8/31/2022	09:00:45	50.471	29.407	4.11	30.1	7.9	1539.32
8/31/2022	09:00:45	50.471	29.407	4.12	30.1	7.9	1539.32
8/31/2022	09:00:45	50.47	29.407	4.12	30.1	7.9	1539.32
8/31/2022	09:00:45	50.47	29.407	4.13	30.1	7.9	1539.32
8/31/2022	09:00:45	50.47	29.407	4.13	30.1	7.9	1539.32
8/31/2022	09:00:45	50.47	29.408	4.13	30.1	7.9	1539.32
8/31/2022	09:00:45	50.471	29.408	4.14	30.1	7.9	1539.32
8/31/2022	09:00:45	50.471	29.408	4.14	30.1	7.9	1539.32
8/31/2022	09:00:45	50.471	29.408	4.16	30.1	7.9	1539.32
8/31/2022	09:00:45	50.472	29.408	4.16	30.1	7.9	1539.33
8/31/2022	09:00:46	50.47	29.409	4.16	30.1	7.9	1539.33
8/31/2022	09:00:46	50.47	29.41	4.18	30.1	7.9	1539.33
8/31/2022	09:00:46	50.47	29.409	4.19	30.1	7.9	1539.33
8/31/2022	09:00:46	50.469	29.409	4.22	30.1	7.9	1539.33
8/31/2022	09:00:46	50.47	29.409	4.25	30.1	7.9	1539.33
8/31/2022	09:00:46	50.47	29.41	4.26	30.1	7.9	1539.33
8/31/2022	09:00:46	50.47	29.409	4.29	30.1	7.9	1539.33
8/31/2022	09:00:46	50.47	29.409	4.32	30.1	7.9	1539.33
8/31/2022	09:00:46	50.47	29.409	4.34	30.1	7.9	1539.33
8/31/2022	09:00:46	50.47	29.409	4.37	30.1	7.9	1539.33
8/31/2022	09:00:46	50.463	29.408	4.42	30.1	7.9	1539.32
8/31/2022	09:00:46	50.462	29.408	4.46	30.1	7.9	1539.32
8/31/2022	09:00:46	50.463	29.408	4.5	30.1	7.9	1539.32
8/31/2022	09:00:46	50.463	29.408	4.52	30.1	7.9	1539.33

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	09:00:46	50.47	29.408	4.56	30.1	7.9	1539.33
8/31/2022	09:00:46	50.471	29.409	4.59	30.1	7.9	1539.33
8/31/2022	09:00:46	50.47	29.407	4.62	30.1	7.9	1539.33
8/31/2022	09:00:46	50.469	29.408	4.65	30.1	7.9	1539.33
8/31/2022	09:00:46	50.469	29.408	4.67	30.1	7.9	1539.33
8/31/2022	09:00:47	50.469	29.407	4.68	30.1	7.9	1539.33
8/31/2022	09:00:47	50.47	29.407	4.7	30.1	7.9	1539.33
8/31/2022	09:00:47	50.47	29.408	4.71	30.1	7.9	1539.33
8/31/2022	09:00:47	50.47	29.408	4.73	30.1	7.9	1539.33
8/31/2022	09:00:47	50.47	29.408	4.74	30.1	7.9	1539.33
8/31/2022	09:00:47	50.47	29.408	4.75	30.1	7.9	1539.33
8/31/2022	09:00:47	50.47	29.408	4.76	30.1	7.9	1539.33
8/31/2022	09:00:47	50.47	29.408	4.77	30.1	7.9	1539.33
8/31/2022	09:00:47	50.47	29.408	4.78	30.1	7.9	1539.33
8/31/2022	09:00:47	50.47	29.408	4.79	30.1	7.9	1539.33
8/31/2022	09:00:47	50.47	29.409	4.8	30.1	7.9	1539.34
8/31/2022	09:00:47	50.47	29.408	4.82	30.1	7.9	1539.34
8/31/2022	09:00:47	50.47	29.409	4.84	30.1	7.9	1539.34
8/31/2022	09:00:47	50.466	29.408	4.85	30.1	7.9	1539.33

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	10:01:17	51.057	29.31	1.1	30.6	7.88	1539.54
8/31/2022	10:01:17	51.057	29.309	1.14	30.6	7.88	1539.54
8/31/2022	10:01:17	51.055	29.308	1.18	30.6	7.88	1539.53
8/31/2022	10:01:17	51.054	29.308	1.24	30.6	7.88	1539.53
8/31/2022	10:01:17	51.054	29.307	1.28	30.6	7.88	1539.53
8/31/2022	10:01:17	51.052	29.306	1.33	30.6	7.88	1539.53
8/31/2022	10:01:17	51.051	29.305	1.39	30.6	7.88	1539.53
8/31/2022	10:01:17	51.047	29.302	1.43	30.6	7.88	1539.52
8/31/2022	10:01:17	51.045	29.3	1.46	30.6	7.88	1539.52
8/31/2022	10:01:17	51.043	29.297	1.51	30.6	7.88	1539.51
8/31/2022	10:01:17	51.042	29.297	1.54	30.6	7.88	1539.51
8/31/2022	10:01:17	51.044	29.296	1.57	30.6	7.88	1539.51
8/31/2022	10:01:17	51.046	29.296	1.59	30.6	7.88	1539.52
8/31/2022	10:01:18	51.046	29.297	1.61	30.6	7.88	1539.52
8/31/2022	10:01:18	51.048	29.297	1.61	30.6	7.88	1539.52
8/31/2022	10:01:18	51.047	29.297	1.62	30.6	7.88	1539.52
8/31/2022	10:01:18	51.047	29.297	1.63	30.6	7.88	1539.52
8/31/2022	10:01:18	51.047	29.297	1.63	30.6	7.88	1539.52
8/31/2022	10:01:18	51.046	29.297	1.63	30.6	7.88	1539.52
8/31/2022	10:01:18	51.046	29.297	1.63	30.6	7.88	1539.52
8/31/2022	10:01:18	51.046	29.298	1.64	30.6	7.88	1539.52
8/31/2022	10:01:18	51.047	29.298	1.65	30.6	7.88	1539.52
8/31/2022	10:01:18	51.047	29.299	1.66	30.6	7.88	1539.52
8/31/2022	10:01:18	51.048	29.3	1.66	30.6	7.88	1539.52
8/31/2022	10:01:18	51.047	29.3	1.66	30.6	7.88	1539.52
8/31/2022	10:01:18	51.048	29.3	1.68	30.6	7.88	1539.52
8/31/2022	10:01:18	51.047	29.301	1.69	30.6	7.88	1539.52
8/31/2022	10:01:18	51.048	29.301	1.7	30.6	7.88	1539.53
8/31/2022	10:01:18	51.046	29.301	1.73	30.6	7.88	1539.53
8/31/2022	10:01:18	51.047	29.301	1.75	30.6	7.88	1539.53
8/31/2022	10:01:18	51.047	29.3	1.78	30.6	7.88	1539.53
8/31/2022	10:01:18	51.046	29.3	1.81	30.6	7.88	1539.53
8/31/2022	10:01:19	51.049	29.301	1.84	30.6	7.88	1539.53
8/31/2022	10:01:19	51.048	29.301	1.89	30.6	7.88	1539.53
8/31/2022	10:01:19	51.048	29.301	1.92	30.6	7.88	1539.53
8/31/2022	10:01:19	51.05	29.301	1.95	30.6	7.88	1539.53
8/31/2022	10:01:19	51.05	29.3	2	30.6	7.88	1539.53
8/31/2022	10:01:19	51.05	29.302	2.03	30.6	7.88	1539.53
8/31/2022	10:01:19	51.05	29.302	2.08	30.6	7.88	1539.54
8/31/2022	10:01:19	51.05	29.302	2.13	30.6	7.88	1539.54
8/31/2022	10:01:19	51.048	29.302	2.17	30.6	7.88	1539.53
8/31/2022	10:01:19	51.046	29.3	2.21	30.6	7.88	1539.53

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	10:01:19	51.046	29.299	2.27	30.6	7.88	1539.53
8/31/2022	10:01:19	51.044	29.299	2.3	30.6	7.88	1539.53
8/31/2022	10:01:19	51.043	29.297	2.34	30.6	7.88	1539.53
8/31/2022	10:01:19	51.044	29.297	2.37	30.6	7.88	1539.53
8/31/2022	10:01:19	51.043	29.296	2.39	30.6	7.88	1539.53
8/31/2022	10:01:19	51.043	29.296	2.42	30.6	7.88	1539.53
8/31/2022	10:01:19	51.043	29.296	2.44	30.6	7.88	1539.53
8/31/2022	10:01:19	51.043	29.296	2.46	30.6	7.88	1539.53
8/31/2022	10:01:19	51.042	29.296	2.48	30.6	7.88	1539.53
8/31/2022	10:01:20	51.043	29.296	2.49	30.6	7.88	1539.53
8/31/2022	10:01:20	51.043	29.296	2.5	30.6	7.88	1539.53
8/31/2022	10:01:20	51.044	29.295	2.52	30.6	7.88	1539.53
8/31/2022	10:01:20	51.043	29.295	2.54	30.6	7.88	1539.53
8/31/2022	10:01:20	51.043	29.295	2.56	30.6	7.88	1539.53
8/31/2022	10:01:20	51.043	29.295	2.57	30.6	7.88	1539.53
8/31/2022	10:01:20	51.042	29.295	2.59	30.6	7.88	1539.53
8/31/2022	10:01:20	51.042	29.294	2.62	30.6	7.88	1539.53
8/31/2022	10:01:20	51.042	29.295	2.64	30.6	7.88	1539.53
8/31/2022	10:01:20	51.042	29.295	2.68	30.6	7.88	1539.53
8/31/2022	10:01:20	51.043	29.295	2.71	30.6	7.88	1539.53
8/31/2022	10:01:20	51.043	29.296	2.76	30.6	7.88	1539.53
8/31/2022	10:01:20	51.043	29.295	2.79	30.6	7.88	1539.53
8/31/2022	10:01:20	51.043	29.297	2.85	30.6	7.88	1539.54
8/31/2022	10:01:20	51.044	29.296	2.89	30.6	7.88	1539.54
8/31/2022	10:01:20	51.044	29.296	2.94	30.6	7.88	1539.54
8/31/2022	10:01:20	51.043	29.297	2.98	30.6	7.88	1539.54
8/31/2022	10:01:20	51.043	29.296	3.02	30.6	7.88	1539.54
8/31/2022	10:01:21	51.042	29.296	3.08	30.6	7.88	1539.54
8/31/2022	10:01:21	51.042	29.295	3.12	30.6	7.88	1539.54
8/31/2022	10:01:21	51.042	29.295	3.18	30.6	7.88	1539.54
8/31/2022	10:01:21	51.042	29.295	3.21	30.6	7.88	1539.54
8/31/2022	10:01:21	51.042	29.294	3.25	30.6	7.88	1539.54
8/31/2022	10:01:21	51.042	29.295	3.28	30.6	7.88	1539.54
8/31/2022	10:01:21	51.042	29.294	3.31	30.6	7.88	1539.54
8/31/2022	10:01:21	51.042	29.294	3.34	30.6	7.88	1539.54
8/31/2022	10:01:21	51.042	29.294	3.37	30.6	7.88	1539.54
8/31/2022	10:01:21	51.04	29.293	3.39	30.6	7.88	1539.54
8/31/2022	10:01:21	51.039	29.293	3.41	30.6	7.88	1539.54
8/31/2022	10:01:21	51.039	29.292	3.43	30.6	7.88	1539.53
8/31/2022	10:01:21	51.039	29.29	3.44	30.6	7.88	1539.53
8/31/2022	10:01:21	51.039	29.291	3.46	30.6	7.88	1539.53
8/31/2022	10:01:21	51.039	29.292	3.47	30.6	7.88	1539.54

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	10:01:21	51.038	29.291	3.49	30.6	7.88	1539.53
8/31/2022	10:01:21	51.037	29.29	3.5	30.6	7.88	1539.53
8/31/2022	10:01:21	51.037	29.29	3.52	30.6	7.88	1539.53
8/31/2022	10:01:21	51.037	29.291	3.53	30.6	7.88	1539.53
8/31/2022	10:01:22	51.036	29.29	3.56	30.6	7.88	1539.53
8/31/2022	10:01:22	51.036	29.29	3.59	30.6	7.88	1539.53
8/31/2022	10:01:22	51.036	29.289	3.61	30.6	7.88	1539.53
8/31/2022	10:01:22	51.036	29.289	3.66	30.6	7.88	1539.53
8/31/2022	10:01:22	51.035	29.289	3.69	30.6	7.88	1539.53
8/31/2022	10:01:22	51.035	29.288	3.73	30.6	7.88	1539.53
8/31/2022	10:01:22	51.034	29.285	3.77	30.6	7.88	1539.53
8/31/2022	10:01:22	51.033	29.285	3.8	30.6	7.88	1539.53
8/31/2022	10:01:22	51.032	29.283	3.85	30.6	7.88	1539.52
8/31/2022	10:01:22	51.032	29.282	3.89	30.6	7.88	1539.52
8/31/2022	10:01:22	51.034	29.282	3.92	30.6	7.88	1539.53
8/31/2022	10:01:22	51.035	29.283	3.97	30.6	7.88	1539.53
8/31/2022	10:01:22	51.036	29.284	4	30.6	7.88	1539.53
8/31/2022	10:01:22	51.039	29.287	4.02	30.6	7.88	1539.54
8/31/2022	10:01:22	51.04	29.288	4.05	30.6	7.88	1539.54
8/31/2022	10:01:22	51.041	29.291	4.07	30.6	7.88	1539.55
8/31/2022	10:01:22	51.042	29.292	4.09	30.6	7.88	1539.55
8/31/2022	10:01:22	51.042	29.293	4.1	30.6	7.88	1539.55
8/31/2022	10:01:22	51.043	29.294	4.11	30.6	7.88	1539.55
8/31/2022	10:01:23	51.043	29.295	4.13	30.6	7.88	1539.55
8/31/2022	10:01:23	51.044	29.295	4.15	30.6	7.88	1539.56
8/31/2022	10:01:23	51.044	29.296	4.16	30.6	7.88	1539.56
8/31/2022	10:01:23	51.044	29.296	4.18	30.6	7.88	1539.56
8/31/2022	10:01:23	51.044	29.295	4.2	30.6	7.88	1539.56
8/31/2022	10:01:23	51.044	29.295	4.21	30.6	7.88	1539.56
8/31/2022	10:01:23	51.044	29.295	4.23	30.6	7.88	1539.56
8/31/2022	10:01:23	51.044	29.296	4.25	30.6	7.88	1539.56
8/31/2022	10:01:23	51.045	29.295	4.27	30.6	7.88	1539.56
8/31/2022	10:01:23	51.045	29.296	4.29	30.6	7.88	1539.56
8/31/2022	10:01:23	51.044	29.295	4.31	30.6	7.88	1539.56
8/31/2022	10:01:23	51.043	29.294	4.34	30.6	7.88	1539.56
8/31/2022	10:01:23	51.039	29.292	4.39	30.6	7.88	1539.55
8/31/2022	10:01:23	51.039	29.291	4.42	30.6	7.88	1539.55
8/31/2022	10:01:23	51.038	29.289	4.47	30.6	7.88	1539.55
8/31/2022	10:01:23	51.039	29.289	4.51	30.6	7.88	1539.55
8/31/2022	10:01:23	51.04	29.289	4.57	30.6	7.88	1539.55
8/31/2022	10:01:23	51.042	29.29	4.6	30.6	7.88	1539.55
8/31/2022	10:01:24	51.042	29.29	4.63	30.6	7.88	1539.55

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	10:01:24	51.04	29.29	4.69	30.6	7.88	1539.55
8/31/2022	10:01:24	51.039	29.29	4.72	30.6	7.88	1539.55
8/31/2022	10:01:24	51.036	29.289	4.76	30.6	7.88	1539.55
8/31/2022	10:01:24	51.034	29.286	4.81	30.6	7.88	1539.55
8/31/2022	10:01:24	51.031	29.284	4.86	30.6	7.88	1539.54
8/31/2022	10:01:24	51.028	29.282	4.89	30.6	7.88	1539.54
8/31/2022	10:01:24	51.027	29.28	4.93	30.6	7.88	1539.53
8/31/2022	10:01:24	51.021	29.276	4.95	30.6	7.88	1539.52
8/31/2022	10:01:24	51.019	29.275	4.97	30.6	7.88	1539.52
8/31/2022	10:01:24	51.017	29.272	4.98	30.6	7.88	1539.52
8/31/2022	10:01:24	51.017	29.272	4.99	30.6	7.88	1539.52
8/31/2022	10:01:24	51.018	29.274	5	30.6	7.88	1539.52
8/31/2022	10:01:24	51.02	29.276	5	30.6	7.88	1539.52
8/31/2022	10:01:24	51.021	29.276	5	30.6	7.88	1539.53
8/31/2022	10:01:24	51.022	29.277	5.01	30.6	7.88	1539.53
8/31/2022	10:01:24	51.023	29.277	5	30.6	7.88	1539.53
8/31/2022	10:01:24	51.022	29.276	5	30.6	7.88	1539.53
8/31/2022	10:01:24	51.021	29.275	4.99	30.6	7.88	1539.52
8/31/2022	10:01:25	51.02	29.273	4.99	30.6	7.88	1539.52
8/31/2022	10:01:25	51.02	29.273	5	30.6	7.88	1539.52
8/31/2022	10:01:25	51.02	29.273	5	30.6	7.88	1539.52
8/31/2022	10:01:25	51.02	29.272	5	30.6	7.88	1539.52
8/31/2022	10:01:25	51.02	29.271	5.02	30.6	7.88	1539.52
8/31/2022	10:01:25	51.02	29.27	5.03	30.6	7.88	1539.52
8/31/2022	10:01:25	51.019	29.269	5.06	30.6	7.88	1539.52
8/31/2022	10:01:25	51.018	29.269	5.09	30.6	7.88	1539.51
8/31/2022	10:01:25	51.017	29.268	5.11	30.6	7.88	1539.51

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	11:01:49	51.622	29.513	1	30.8	7.88	1540.23
8/31/2022	11:01:49	51.618	29.511	1.05	30.8	7.88	1540.22
8/31/2022	11:01:50	51.616	29.508	1.09	30.8	7.88	1540.22
8/31/2022	11:01:50	51.611	29.504	1.13	30.8	7.88	1540.21
8/31/2022	11:01:50	51.611	29.502	1.17	30.8	7.88	1540.21
8/31/2022	11:01:50	51.611	29.501	1.2	30.8	7.88	1540.21
8/31/2022	11:01:50	51.613	29.501	1.24	30.8	7.88	1540.21
8/31/2022	11:01:50	51.616	29.504	1.28	30.8	7.88	1540.22
8/31/2022	11:01:50	51.618	29.505	1.3	30.8	7.88	1540.22
8/31/2022	11:01:50	51.617	29.507	1.32	30.8	7.88	1540.22
8/31/2022	11:01:50	51.617	29.507	1.34	30.8	7.88	1540.22
8/31/2022	11:01:50	51.616	29.507	1.34	30.8	7.88	1540.22
8/31/2022	11:01:50	51.614	29.506	1.34	30.8	7.88	1540.22
8/31/2022	11:01:50	51.614	29.506	1.34	30.8	7.88	1540.22
8/31/2022	11:01:50	51.616	29.508	1.34	30.8	7.88	1540.22
8/31/2022	11:01:50	51.616	29.508	1.34	30.8	7.88	1540.22
8/31/2022	11:01:50	51.615	29.508	1.33	30.8	7.88	1540.22
8/31/2022	11:01:50	51.614	29.507	1.33	30.8	7.88	1540.22
8/31/2022	11:01:50	51.614	29.507	1.34	30.8	7.88	1540.22
8/31/2022	11:01:50	51.614	29.507	1.34	30.8	7.88	1540.22
8/31/2022	11:01:50	51.614	29.507	1.34	30.8	7.88	1540.22
8/31/2022	11:01:51	51.612	29.507	1.34	30.8	7.88	1540.22
8/31/2022	11:01:51	51.612	29.507	1.35	30.8	7.88	1540.22
8/31/2022	11:01:51	51.612	29.507	1.35	30.8	7.88	1540.22
8/31/2022	11:01:51	51.611	29.508	1.35	30.8	7.88	1540.22
8/31/2022	11:01:51	51.611	29.507	1.36	30.8	7.88	1540.22
8/31/2022	11:01:51	51.611	29.507	1.38	30.8	7.88	1540.22
8/31/2022	11:01:51	51.611	29.507	1.39	30.8	7.88	1540.22
8/31/2022	11:01:51	51.611	29.506	1.42	30.8	7.88	1540.22
8/31/2022	11:01:51	51.611	29.506	1.46	30.8	7.88	1540.22
8/31/2022	11:01:51	51.611	29.507	1.49	30.8	7.88	1540.22
8/31/2022	11:01:51	51.612	29.507	1.5	30.8	7.88	1540.22
8/31/2022	11:01:51	51.611	29.505	1.55	30.8	7.88	1540.22
8/31/2022	11:01:51	51.612	29.502	1.58	30.8	7.88	1540.22
8/31/2022	11:01:51	51.613	29.502	1.63	30.8	7.88	1540.22
8/31/2022	11:01:51	51.611	29.505	1.66	30.8	7.88	1540.22
8/31/2022	11:01:51	51.608	29.505	1.7	30.8	7.88	1540.22
8/31/2022	11:01:51	51.598	29.495	1.76	30.8	7.88	1540.2
8/31/2022	11:01:51	51.592	29.487	1.79	30.8	7.88	1540.18
8/31/2022	11:01:51	51.584	29.479	1.86	30.8	7.88	1540.17
8/31/2022	11:01:52	51.574	29.463	1.92	30.8	7.88	1540.14
8/31/2022	11:01:52	51.57	29.448	1.97	30.8	7.88	1540.11

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	11:01:52	51.57	29.443	2	30.8	7.88	1540.11
8/31/2022	11:01:52	51.57	29.439	2.07	30.8	7.88	1540.1
8/31/2022	11:01:52	51.568	29.432	2.11	30.8	7.88	1540.09
8/31/2022	11:01:52	51.568	29.428	2.17	30.8	7.88	1540.09
8/31/2022	11:01:52	51.57	29.407	2.2	30.8	7.88	1540.06
8/31/2022	11:01:52	51.571	29.39	2.24	30.9	7.88	1540.03
8/31/2022	11:01:52	51.573	29.373	2.26	30.9	7.88	1540.01
8/31/2022	11:01:52	51.578	29.34	2.28	30.9	7.88	1539.96
8/31/2022	11:01:52	51.581	29.326	2.3	30.9	7.88	1539.95
8/31/2022	11:01:52	51.583	29.312	2.31	30.9	7.88	1539.93
8/31/2022	11:01:52	51.585	29.316	2.31	30.9	7.88	1539.93
8/31/2022	11:01:52	51.588	29.309	2.31	30.9	7.88	1539.93
8/31/2022	11:01:52	51.59	29.301	2.31	30.9	7.88	1539.92
8/31/2022	11:01:52	51.596	29.282	2.32	30.9	7.88	1539.89
8/31/2022	11:01:52	51.599	29.272	2.32	30.9	7.88	1539.88
8/31/2022	11:01:52	51.6	29.263	2.32	30.9	7.88	1539.87
8/31/2022	11:01:53	51.604	29.25	2.32	30.9	7.88	1539.85
8/31/2022	11:01:53	51.605	29.246	2.32	30.9	7.88	1539.84
8/31/2022	11:01:53	51.607	29.239	2.32	30.9	7.88	1539.84
8/31/2022	11:01:53	51.608	29.237	2.33	30.9	7.88	1539.83
8/31/2022	11:01:53	51.609	29.236	2.33	30.9	7.88	1539.83
8/31/2022	11:01:53	51.608	29.236	2.35	30.9	7.88	1539.83
8/31/2022	11:01:53	51.607	29.237	2.36	31	7.88	1539.83
8/31/2022	11:01:53	51.607	29.24	2.39	31	7.88	1539.84
8/31/2022	11:01:53	51.606	29.242	2.42	31	7.88	1539.84
8/31/2022	11:01:53	51.607	29.243	2.46	31	7.88	1539.84
8/31/2022	11:01:53	51.608	29.242	2.48	31	7.88	1539.84
8/31/2022	11:01:53	51.617	29.238	2.51	31	7.88	1539.84
8/31/2022	11:01:53	51.622	29.236	2.56	31	7.88	1539.85
8/31/2022	11:01:53	51.626	29.233	2.59	31	7.88	1539.85
8/31/2022	11:01:53	51.634	29.229	2.65	31	7.88	1539.85
8/31/2022	11:01:53	51.637	29.227	2.68	31	7.88	1539.85
8/31/2022	11:01:53	51.642	29.223	2.73	31	7.88	1539.84
8/31/2022	11:01:53	51.644	29.221	2.76	31	7.88	1539.84
8/31/2022	11:01:53	51.646	29.219	2.82	31	7.88	1539.84
8/31/2022	11:01:54	51.646	29.218	2.85	31	7.88	1539.84
8/31/2022	11:01:54	51.646	29.216	2.91	31	7.88	1539.84
8/31/2022	11:01:54	51.646	29.215	2.94	31	7.88	1539.84
8/31/2022	11:01:54	51.645	29.216	2.99	31	7.88	1539.84
8/31/2022	11:01:54	51.642	29.216	3.02	31	7.88	1539.84
8/31/2022	11:01:54	51.641	29.216	3.05	31	7.88	1539.84
8/31/2022	11:01:54	51.641	29.215	3.08	31	7.88	1539.84

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	11:01:54	51.642	29.215	3.09	31	7.88	1539.84
8/31/2022	11:01:54	51.644	29.214	3.11	31	7.88	1539.84
8/31/2022	11:01:54	51.645	29.214	3.14	31	7.88	1539.84
8/31/2022	11:01:54	51.645	29.214	3.15	31	7.88	1539.84
8/31/2022	11:01:54	51.645	29.214	3.16	31	7.88	1539.84
8/31/2022	11:01:54	51.645	29.214	3.18	31	7.88	1539.84
8/31/2022	11:01:54	51.645	29.215	3.19	31	7.88	1539.84
8/31/2022	11:01:54	51.644	29.215	3.21	31	7.88	1539.84
8/31/2022	11:01:54	51.645	29.215	3.22	31	7.88	1539.84
8/31/2022	11:01:54	51.645	29.215	3.23	31	7.88	1539.84
8/31/2022	11:01:54	51.646	29.215	3.24	31	7.88	1539.84
8/31/2022	11:01:55	51.646	29.214	3.26	31	7.88	1539.84
8/31/2022	11:01:55	51.647	29.214	3.29	31	7.88	1539.84
8/31/2022	11:01:55	51.648	29.214	3.31	31	7.88	1539.84
8/31/2022	11:01:55	51.65	29.212	3.33	31	7.88	1539.84
8/31/2022	11:01:55	51.651	29.211	3.36	31	7.88	1539.84
8/31/2022	11:01:55	51.653	29.21	3.41	31	7.88	1539.84
8/31/2022	11:01:55	51.657	29.209	3.44	31	7.88	1539.84
8/31/2022	11:01:55	51.658	29.208	3.5	31	7.88	1539.85
8/31/2022	11:01:55	51.662	29.206	3.54	31	7.88	1539.85
8/31/2022	11:01:55	51.665	29.205	3.57	31	7.88	1539.85
8/31/2022	11:01:55	51.666	29.204	3.63	31	7.88	1539.85
8/31/2022	11:01:55	51.666	29.203	3.68	31	7.88	1539.85
8/31/2022	11:01:55	51.666	29.202	3.74	31	7.88	1539.85
8/31/2022	11:01:55	51.664	29.201	3.8	31	7.88	1539.84
8/31/2022	11:01:55	51.664	29.201	3.84	31	7.88	1539.84
8/31/2022	11:01:55	51.667	29.2	3.88	31	7.88	1539.85
8/31/2022	11:01:55	51.669	29.2	3.94	31	7.88	1539.85
8/31/2022	11:01:55	51.671	29.199	3.98	31	7.88	1539.85
8/31/2022	11:01:55	51.673	29.199	4.03	31	7.88	1539.85
8/31/2022	11:01:56	51.673	29.199	4.06	31	7.88	1539.85
8/31/2022	11:01:56	51.673	29.198	4.09	31	7.88	1539.85
8/31/2022	11:01:56	51.673	29.198	4.12	31	7.88	1539.85
8/31/2022	11:01:56	51.673	29.198	4.14	31	7.88	1539.85
8/31/2022	11:01:56	51.672	29.198	4.16	31	7.88	1539.85
8/31/2022	11:01:56	51.673	29.198	4.18	31	7.88	1539.85
8/31/2022	11:01:56	51.672	29.197	4.19	31	7.88	1539.85
8/31/2022	11:01:56	51.673	29.197	4.21	31	7.88	1539.85
8/31/2022	11:01:56	51.673	29.197	4.21	31	7.88	1539.85
8/31/2022	11:01:56	51.674	29.196	4.22	31	7.88	1539.85
8/31/2022	11:01:56	51.675	29.196	4.23	31	7.88	1539.85
8/31/2022	11:01:56	51.674	29.196	4.24	31	7.88	1539.85

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	11:01:56	51.674	29.196	4.26	31	7.88	1539.85
8/31/2022	11:01:56	51.674	29.196	4.28	31	7.88	1539.85
8/31/2022	11:01:56	51.674	29.197	4.3	31	7.88	1539.85
8/31/2022	11:01:56	51.674	29.197	4.35	31	7.88	1539.85
8/31/2022	11:01:56	51.675	29.197	4.37	31	7.88	1539.86
8/31/2022	11:01:56	51.676	29.196	4.42	31	7.88	1539.86
8/31/2022	11:01:56	51.676	29.197	4.48	31	7.88	1539.86
8/31/2022	11:01:57	51.677	29.197	4.52	31	7.88	1539.86
8/31/2022	11:01:57	51.677	29.197	4.57	31	7.88	1539.86
8/31/2022	11:01:57	51.677	29.197	4.64	31	7.88	1539.86
8/31/2022	11:01:57	51.677	29.198	4.68	31	7.88	1539.86
8/31/2022	11:01:57	51.678	29.197	4.74	31	7.88	1539.86
8/31/2022	11:01:57	51.679	29.196	4.79	31	7.88	1539.86
8/31/2022	11:01:57	51.679	29.196	4.85	31	7.88	1539.86
8/31/2022	11:01:57	51.677	29.195	4.91	31	7.88	1539.86
8/31/2022	11:01:57	51.677	29.195	4.96	31	7.88	1539.86
8/31/2022	11:01:57	51.673	29.193	5.03	31	7.88	1539.86
8/31/2022	11:01:57	51.672	29.193	5.08	31	7.88	1539.86
8/31/2022	11:01:57	51.67	29.193	5.11	31	7.88	1539.86
8/31/2022	11:01:57	51.67	29.193	5.16	31	7.88	1539.86
8/31/2022	11:01:57	51.671	29.192	5.18	31	7.88	1539.86
8/31/2022	11:01:57	51.672	29.192	5.21	31	7.88	1539.86
8/31/2022	11:01:57	51.672	29.192	5.24	31	7.88	1539.86
8/31/2022	11:01:57	51.671	29.192	5.27	31	7.88	1539.86
8/31/2022	11:01:57	51.671	29.192	5.29	31	7.88	1539.86
8/31/2022	11:01:57	51.669	29.192	5.31	31	7.88	1539.86
8/31/2022	11:01:58	51.669	29.193	5.32	31	7.88	1539.86
8/31/2022	11:01:58	51.67	29.193	5.36	31	7.88	1539.86
8/31/2022	11:01:58	51.67	29.192	5.4	31	7.88	1539.86
8/31/2022	11:01:58	51.67	29.192	5.41	31	7.88	1539.86
8/31/2022	11:01:58	51.669	29.193	5.47	31	7.88	1539.86

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	12:00:39	51.805	29.838	1.04	30.8	7.85	1540.83
8/31/2022	12:00:39	51.814	29.832	1.09	30.8	7.85	1540.83
8/31/2022	12:00:39	51.82	29.83	1.13	30.8	7.85	1540.83
8/31/2022	12:00:39	51.838	29.82	1.17	30.8	7.85	1540.83
8/31/2022	12:00:39	51.846	29.813	1.19	30.8	7.85	1540.83
8/31/2022	12:00:39	51.867	29.802	1.21	30.8	7.85	1540.82
8/31/2022	12:00:39	51.876	29.795	1.24	30.8	7.85	1540.82
8/31/2022	12:00:39	51.879	29.789	1.25	30.8	7.85	1540.82
8/31/2022	12:00:39	51.885	29.778	1.26	30.8	7.85	1540.8
8/31/2022	12:00:39	51.886	29.773	1.28	30.8	7.85	1540.8
8/31/2022	12:00:39	51.888	29.767	1.29	30.8	7.85	1540.79
8/31/2022	12:00:39	51.889	29.769	1.29	30.8	7.85	1540.79
8/31/2022	12:00:39	51.891	29.776	1.3	30.8	7.85	1540.81
8/31/2022	12:00:39	51.894	29.778	1.3	30.8	7.85	1540.81
8/31/2022	12:00:39	51.901	29.777	1.32	30.8	7.85	1540.81
8/31/2022	12:00:39	51.904	29.776	1.32	30.8	7.85	1540.81
8/31/2022	12:00:39	51.908	29.773	1.32	30.8	7.85	1540.81
8/31/2022	12:00:39	51.915	29.762	1.33	30.8	7.85	1540.8
8/31/2022	12:00:40	51.916	29.754	1.34	30.8	7.85	1540.79
8/31/2022	12:00:40	51.918	29.741	1.34	30.8	7.85	1540.77
8/31/2022	12:00:40	51.919	29.736	1.35	30.8	7.85	1540.77
8/31/2022	12:00:40	51.92	29.731	1.37	30.8	7.85	1540.76
8/31/2022	12:00:40	51.922	29.722	1.39	30.8	7.85	1540.75
8/31/2022	12:00:40	51.926	29.719	1.41	30.8	7.85	1540.75
8/31/2022	12:00:40	51.941	29.714	1.46	30.8	7.85	1540.75
8/31/2022	12:00:40	51.948	29.71	1.51	30.8	7.85	1540.75
8/31/2022	12:00:40	51.965	29.705	1.54	30.8	7.85	1540.76
8/31/2022	12:00:40	51.97	29.702	1.6	30.8	7.85	1540.76
8/31/2022	12:00:40	51.981	29.7	1.65	30.8	7.85	1540.76
8/31/2022	12:00:40	51.982	29.697	1.7	30.8	7.85	1540.76
8/31/2022	12:00:40	51.983	29.696	1.76	30.8	7.85	1540.76
8/31/2022	12:00:40	51.99	29.693	1.81	30.8	7.85	1540.76
8/31/2022	12:00:40	51.992	29.691	1.89	30.8	7.85	1540.76
8/31/2022	12:00:40	52.003	29.686	1.94	30.8	7.85	1540.76
8/31/2022	12:00:40	52.012	29.682	1.98	31	7.85	1540.76
8/31/2022	12:00:40	52.022	29.673	2.03	31	7.85	1540.76
8/31/2022	12:00:40	52.029	29.668	2.08	31	7.85	1540.76
8/31/2022	12:00:41	52.035	29.659	2.11	31	7.85	1540.75
8/31/2022	12:00:41	52.036	29.655	2.15	31	7.85	1540.74
8/31/2022	12:00:41	52.039	29.651	2.17	31	7.85	1540.74
8/31/2022	12:00:41	52.042	29.648	2.18	31	7.85	1540.74
8/31/2022	12:00:41	52.042	29.649	2.19	31	7.85	1540.74

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	12:00:41	52.041	29.653	2.2	31	7.85	1540.75
8/31/2022	12:00:41	52.04	29.654	2.21	31	7.85	1540.75
8/31/2022	12:00:41	52.04	29.655	2.22	31	7.85	1540.75
8/31/2022	12:00:41	52.04	29.655	2.22	31	7.85	1540.75
8/31/2022	12:00:41	52.04	29.656	2.23	31	7.85	1540.75
8/31/2022	12:00:41	52.042	29.653	2.25	31	7.85	1540.75
8/31/2022	12:00:41	52.044	29.647	2.26	31	7.85	1540.74
8/31/2022	12:00:41	52.048	29.628	2.28	31	7.85	1540.71
8/31/2022	12:00:41	52.052	29.618	2.29	31	7.85	1540.7
8/31/2022	12:00:41	52.062	29.587	2.31	31	7.85	1540.67
8/31/2022	12:00:41	52.069	29.566	2.33	31	7.85	1540.64
8/31/2022	12:00:41	52.077	29.542	2.36	31	7.85	1540.61
8/31/2022	12:00:41	52.099	29.494	2.4	31	7.85	1540.56
8/31/2022	12:00:41	52.109	29.473	2.43	31	7.85	1540.53
8/31/2022	12:00:42	52.125	29.438	2.46	31	7.85	1540.49
8/31/2022	12:00:42	52.132	29.424	2.5	31	7.85	1540.48
8/31/2022	12:00:42	52.139	29.403	2.54	31.2	7.85	1540.45
8/31/2022	12:00:42	52.142	29.393	2.56	31.2	7.85	1540.44
8/31/2022	12:00:42	52.149	29.377	2.6	31.2	7.85	1540.42
8/31/2022	12:00:42	52.151	29.371	2.61	31.2	7.85	1540.42
8/31/2022	12:00:42	52.155	29.366	2.63	31.2	7.85	1540.41
8/31/2022	12:00:42	52.161	29.356	2.66	31.2	7.85	1540.4
8/31/2022	12:00:42	52.163	29.351	2.67	31.3	7.85	1540.4
8/31/2022	12:00:42	52.166	29.343	2.68	31.3	7.85	1540.39
8/31/2022	12:00:42	52.168	29.34	2.69	31.3	7.85	1540.38
8/31/2022	12:00:42	52.17	29.337	2.69	31.3	7.85	1540.38
8/31/2022	12:00:42	52.171	29.341	2.7	31.3	7.85	1540.39
8/31/2022	12:00:42	52.172	29.35	2.71	31.3	7.85	1540.4
8/31/2022	12:00:42	52.172	29.352	2.72	31.3	7.85	1540.4
8/31/2022	12:00:42	52.172	29.352	2.73	31.3	7.85	1540.41
8/31/2022	12:00:42	52.174	29.347	2.74	31.3	7.85	1540.4
8/31/2022	12:00:42	52.174	29.343	2.75	31.3	7.85	1540.39
8/31/2022	12:00:43	52.174	29.337	2.78	31.3	7.85	1540.39
8/31/2022	12:00:43	52.172	29.335	2.8	31.3	7.85	1540.38
8/31/2022	12:00:43	52.168	29.332	2.83	31.3	7.85	1540.37
8/31/2022	12:00:43	52.168	29.331	2.86	31.3	7.85	1540.37
8/31/2022	12:00:43	52.168	29.331	2.91	31.3	7.85	1540.37
8/31/2022	12:00:43	52.168	29.331	2.93	31.3	7.85	1540.38
8/31/2022	12:00:43	52.168	29.33	2.98	31.3	7.85	1540.37
8/31/2022	12:00:43	52.167	29.33	3.02	31.3	7.85	1540.37
8/31/2022	12:00:43	52.168	29.329	3.07	31.3	7.85	1540.38
8/31/2022	12:00:43	52.168	29.327	3.11	31.3	7.85	1540.37

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	12:00:43	52.168	29.326	3.16	31.3	7.85	1540.37
8/31/2022	12:00:43	52.165	29.326	3.18	31.3	7.85	1540.37
8/31/2022	12:00:43	52.163	29.325	3.2	31.3	7.85	1540.37
8/31/2022	12:00:43	52.162	29.324	3.22	31.3	7.85	1540.37
8/31/2022	12:00:43	52.161	29.324	3.23	31.3	7.85	1540.37
8/31/2022	12:00:43	52.161	29.324	3.23	31.3	7.85	1540.37
8/31/2022	12:00:43	52.163	29.324	3.22	31.3	7.85	1540.37
8/31/2022	12:00:43	52.165	29.324	3.2	31.3	7.85	1540.37
8/31/2022	12:00:43	52.165	29.325	3.18	31.3	7.85	1540.37
8/31/2022	12:00:44	52.165	29.325	3.16	31.3	7.85	1540.37
8/31/2022	12:00:44	52.164	29.324	3.15	31.3	7.85	1540.37
8/31/2022	12:00:44	52.163	29.324	3.14	31.3	7.85	1540.36
8/31/2022	12:00:44	52.164	29.324	3.13	31.3	7.85	1540.37
8/31/2022	12:00:44	52.163	29.323	3.11	31.3	7.85	1540.36
8/31/2022	12:00:44	52.165	29.323	3.11	31.3	7.85	1540.36
8/31/2022	12:00:44	52.165	29.323	3.1	31.3	7.85	1540.36
8/31/2022	12:00:44	52.164	29.323	3.1	31.3	7.85	1540.36
8/31/2022	12:00:44	52.165	29.323	3.09	31.3	7.85	1540.36
8/31/2022	12:00:44	52.165	29.324	3.08	31.3	7.85	1540.36
8/31/2022	12:00:44	52.162	29.324	3.08	31.3	7.85	1540.36
8/31/2022	12:00:44	52.162	29.324	3.08	31.3	7.85	1540.36
8/31/2022	12:00:44	52.161	29.324	3.08	31.3	7.85	1540.36
8/31/2022	12:00:44	52.161	29.323	3.08	31.3	7.85	1540.36
8/31/2022	12:00:44	52.161	29.323	3.08	31.3	7.85	1540.36
8/31/2022	12:00:44	52.162	29.324	3.08	31.3	7.85	1540.36
8/31/2022	12:00:44	52.163	29.323	3.09	31.3	7.85	1540.36
8/31/2022	12:00:44	52.164	29.324	3.12	31.3	7.85	1540.37
8/31/2022	12:00:44	52.165	29.324	3.14	31.3	7.85	1540.37
8/31/2022	12:00:45	52.163	29.325	3.16	31.3	7.85	1540.37
8/31/2022	12:00:45	52.162	29.325	3.19	31.3	7.85	1540.37
8/31/2022	12:00:45	52.161	29.326	3.21	31.3	7.85	1540.37
8/31/2022	12:00:45	52.157	29.326	3.26	31.3	7.85	1540.37
8/31/2022	12:00:45	52.156	29.326	3.31	31.3	7.85	1540.37
8/31/2022	12:00:45	52.152	29.325	3.35	31.3	7.85	1540.36
8/31/2022	12:00:45	52.15	29.325	3.38	31.3	7.85	1540.36
8/31/2022	12:00:45	52.153	29.324	3.43	31.3	7.85	1540.36
8/31/2022	12:00:45	52.154	29.323	3.47	31.3	7.85	1540.36
8/31/2022	12:00:45	52.155	29.323	3.52	31.3	7.85	1540.36
8/31/2022	12:00:45	52.157	29.322	3.56	31.3	7.85	1540.37
8/31/2022	12:00:45	52.157	29.322	3.58	31.3	7.85	1540.37
8/31/2022	12:00:45	52.154	29.321	3.62	31.3	7.85	1540.36
8/31/2022	12:00:45	52.154	29.321	3.65	31.3	7.85	1540.36

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	12:00:45	52.154	29.321	3.68	31.3	7.85	1540.36
8/31/2022	12:00:45	52.154	29.321	3.71	31.3	7.85	1540.36
8/31/2022	12:00:45	52.156	29.32	3.73	31.3	7.85	1540.36
8/31/2022	12:00:45	52.157	29.321	3.76	31.3	7.85	1540.37
8/31/2022	12:00:46	52.157	29.321	3.78	31.3	7.85	1540.37
8/31/2022	12:00:46	52.157	29.32	3.79	31.3	7.85	1540.37
8/31/2022	12:00:46	52.159	29.321	3.8	31.3	7.85	1540.37
8/31/2022	12:00:46	52.16	29.321	3.81	31.3	7.85	1540.37
8/31/2022	12:00:46	52.161	29.321	3.82	31.3	7.85	1540.37
8/31/2022	12:00:46	52.162	29.321	3.82	31.3	7.85	1540.37
8/31/2022	12:00:46	52.162	29.321	3.82	31.3	7.85	1540.37
8/31/2022	12:00:46	52.162	29.321	3.82	31.3	7.85	1540.37
8/31/2022	12:00:46	52.161	29.322	3.82	31.3	7.85	1540.37
8/31/2022	12:00:46	52.161	29.322	3.81	31.3	7.85	1540.37
8/31/2022	12:00:46	52.16	29.322	3.81	31.3	7.85	1540.37
8/31/2022	12:00:46	52.159	29.321	3.81	31.3	7.85	1540.37
8/31/2022	12:00:46	52.157	29.321	3.8	31.3	7.85	1540.37
8/31/2022	12:00:46	52.157	29.32	3.81	31.3	7.85	1540.37
8/31/2022	12:00:46	52.155	29.319	3.81	31.3	7.85	1540.36
8/31/2022	12:00:46	52.156	29.319	3.82	31.3	7.85	1540.36
8/31/2022	12:00:46	52.156	29.319	3.82	31.3	7.85	1540.36
8/31/2022	12:00:46	52.157	29.319	3.83	31.3	7.85	1540.37
8/31/2022	12:00:46	52.158	29.319	3.84	31.3	7.85	1540.37
8/31/2022	12:00:47	52.157	29.319	3.84	31.3	7.85	1540.37
8/31/2022	12:00:47	52.157	29.319	3.85	31.3	7.85	1540.37
8/31/2022	12:00:47	52.155	29.32	3.85	31.3	7.85	1540.36
8/31/2022	12:00:47	52.155	29.32	3.86	31.3	7.85	1540.37
8/31/2022	12:00:47	52.156	29.319	3.86	31.3	7.85	1540.37
8/31/2022	12:00:47	52.157	29.319	3.86	31.3	7.85	1540.37
8/31/2022	12:00:47	52.157	29.318	3.87	31.3	7.85	1540.37
8/31/2022	12:00:47	52.158	29.318	3.87	31.3	7.85	1540.36
8/31/2022	12:00:47	52.157	29.317	3.87	31.3	7.85	1540.36
8/31/2022	12:00:47	52.156	29.317	3.86	31.3	7.85	1540.36
8/31/2022	12:00:47	52.156	29.317	3.86	31.3	7.85	1540.36
8/31/2022	12:00:47	52.154	29.317	3.85	31.3	7.85	1540.36
8/31/2022	12:00:47	52.154	29.317	3.85	31.3	7.85	1540.36
8/31/2022	12:00:47	52.155	29.317	3.85	31.3	7.85	1540.36
8/31/2022	12:00:47	52.156	29.317	3.85	31.3	7.85	1540.36
8/31/2022	12:00:47	52.156	29.317	3.87	31.3	7.85	1540.36
8/31/2022	12:00:47	52.157	29.316	3.88	31.3	7.85	1540.36
8/31/2022	12:00:47	52.157	29.317	3.91	31.3	7.85	1540.36
8/31/2022	12:00:48	52.16	29.316	3.94	31.3	7.85	1540.36

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	12:00:48	52.161	29.314	3.97	31.3	7.85	1540.36
8/31/2022	12:00:48	52.166	29.309	4.01	31.3	7.85	1540.36
8/31/2022	12:00:48	52.169	29.306	4.04	31.3	7.85	1540.36
8/31/2022	12:00:48	52.174	29.299	4.08	31.3	7.85	1540.35
8/31/2022	12:00:48	52.176	29.296	4.13	31.3	7.85	1540.35
8/31/2022	12:00:48	52.179	29.293	4.16	31.3	7.85	1540.35
8/31/2022	12:00:48	52.179	29.293	4.21	31.3	7.85	1540.35
8/31/2022	12:00:48	52.179	29.293	4.24	31.3	7.85	1540.35
8/31/2022	12:00:48	52.187	29.29	4.27	31.3	7.85	1540.35
8/31/2022	12:00:48	52.189	29.286	4.31	31.3	7.85	1540.35
8/31/2022	12:00:48	52.192	29.285	4.34	31.3	7.85	1540.35
8/31/2022	12:00:48	52.191	29.286	4.36	31.3	7.85	1540.35
8/31/2022	12:00:48	52.188	29.286	4.38	31.3	7.85	1540.35
8/31/2022	12:00:48	52.186	29.285	4.39	31.3	7.85	1540.34
8/31/2022	12:00:48	52.187	29.284	4.4	31.3	7.85	1540.34
8/31/2022	12:00:48	52.189	29.284	4.41	31.3	7.85	1540.35
8/31/2022	12:00:48	52.19	29.284	4.43	31.3	7.85	1540.35
8/31/2022	12:00:48	52.191	29.283	4.44	31.3	7.85	1540.35
8/31/2022	12:00:49	52.195	29.283	4.45	31.3	7.85	1540.35
8/31/2022	12:00:49	52.217	29.276	4.47	31.3	7.85	1540.35
8/31/2022	12:00:49	52.236	29.27	4.49	31.3	7.85	1540.36
8/31/2022	12:00:49	52.254	29.263	4.51	31.3	7.85	1540.36
8/31/2022	12:00:49	52.278	29.248	4.55	31.3	7.85	1540.36
8/31/2022	12:00:49	52.28	29.245	4.58	31.3	7.85	1540.36
8/31/2022	12:00:49	52.26	29.245	4.63	31.3	7.85	1540.34
8/31/2022	12:00:49	52.259	29.246	4.67	31.3	7.85	1540.34
8/31/2022	12:00:49	52.275	29.24	4.72	31.3	7.85	1540.35
8/31/2022	12:00:49	52.291	29.232	4.76	31.5	7.85	1540.35
8/31/2022	12:00:49	52.325	29.213	4.82	31.5	7.85	1540.34
8/31/2022	12:00:49	52.331	29.206	4.85	31.5	7.85	1540.34
8/31/2022	12:00:49	52.326	29.196	4.9	31.5	7.85	1540.32
8/31/2022	12:00:49	52.321	29.195	4.94	31.5	7.85	1540.32
8/31/2022	12:00:49	52.319	29.194	4.96	31.5	7.85	1540.31
8/31/2022	12:00:49	52.325	29.191	5.01	31.5	7.85	1540.31
8/31/2022	12:00:49	52.33	29.186	5.04	31.5	7.85	1540.31
8/31/2022	12:00:49	52.347	29.178	5.07	31.5	7.85	1540.31
8/31/2022	12:00:50	52.355	29.175	5.09	31.5	7.85	1540.32
8/31/2022	12:00:50	52.363	29.172	5.11	31.5	7.85	1540.32
8/31/2022	12:00:50	52.374	29.165	5.15	31.5	7.85	1540.31
8/31/2022	12:00:50	52.383	29.158	5.16	31.5	7.85	1540.31
8/31/2022	12:00:50	52.385	29.156	5.18	31.5	7.85	1540.31
8/31/2022	12:00:50	52.385	29.153	5.21	31.5	7.85	1540.31

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	12:00:50	52.386	29.153	5.23	31.5	7.85	1540.31
8/31/2022	12:00:50	52.389	29.151	5.27	31.5	7.85	1540.31
8/31/2022	12:00:50	52.399	29.148	5.3	31.5	7.85	1540.31
8/31/2022	12:00:50	52.403	29.146	5.33	31.6	7.85	1540.31
8/31/2022	12:00:50	52.407	29.144	5.38	31.6	7.85	1540.31
8/31/2022	12:00:50	52.41	29.142	5.41	31.6	7.85	1540.31
8/31/2022	12:00:50	52.41	29.141	5.45	31.6	7.85	1540.31
8/31/2022	12:00:50	52.411	29.14	5.5	31.6	7.85	1540.31
8/31/2022	12:00:50	52.411	29.139	5.54	31.6	7.85	1540.31
8/31/2022	12:00:50	52.411	29.139	5.58	31.6	7.85	1540.31
8/31/2022	12:00:50	52.413	29.138	5.62	31.6	7.85	1540.31
8/31/2022	12:00:50	52.415	29.138	5.65	31.6	7.85	1540.31
8/31/2022	12:00:50	52.415	29.138	5.68	31.6	7.85	1540.31
8/31/2022	12:00:51	52.416	29.137	5.71	31.6	7.85	1540.31
8/31/2022	12:00:51	52.415	29.137	5.74	31.6	7.85	1540.31
8/31/2022	12:00:51	52.407	29.137	5.77	31.6	7.85	1540.31
8/31/2022	12:00:54	52.352	29.139	5.65	31.5	7.85	1540.27
8/31/2022	12:00:54	52.366	29.138	5.62	31.5	7.85	1540.28
8/31/2022	12:00:54	52.38	29.138	5.61	31.5	7.85	1540.29
8/31/2022	12:00:54	52.382	29.138	5.6	31.5	7.85	1540.29
8/31/2022	12:00:54	52.377	29.138	5.6	31.5	7.85	1540.28
8/31/2022	12:00:54	52.368	29.138	5.59	31.5	7.85	1540.28
8/31/2022	12:00:54	52.339	29.138	5.58	31.5	7.85	1540.26
8/31/2022	12:00:54	52.32	29.138	5.58	31.5	7.85	1540.24
8/31/2022	12:00:54	52.289	29.138	5.58	31.5	7.85	1540.22
8/31/2022	12:00:54	52.275	29.138	5.58	31.5	7.85	1540.21
8/31/2022	12:00:54	52.26	29.138	5.58	31.5	7.85	1540.2
8/31/2022	12:00:54	52.236	29.139	5.58	31.5	7.85	1540.19
8/31/2022	12:00:54	52.226	29.139	5.58	31.5	7.85	1540.18
8/31/2022	12:00:54	52.219	29.139	5.59	31.5	7.85	1540.17
8/31/2022	12:00:54	52.216	29.139	5.59	31.5	7.85	1540.17
8/31/2022	12:00:55	52.218	29.14	5.59	31.5	7.85	1540.18
8/31/2022	12:00:55	52.218	29.139	5.59	31.5	7.85	1540.17
8/31/2022	12:00:55	52.225	29.139	5.59	31.5	7.85	1540.18
8/31/2022	12:00:55	52.239	29.139	5.58	31.5	7.85	1540.19
8/31/2022	12:00:55	52.267	29.138	5.57	31.5	7.85	1540.21

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	13:06:45	52.024	30.078	1.02	31.4	7.82	1541.33
8/31/2022	13:06:45	52.062	30.066	1.08	31.4	7.85	1541.34
8/31/2022	13:06:45	52.09	30.059	1.12	31.4	7.82	1541.35
8/31/2022	13:06:45	52.118	30.052	1.14	31.4	7.82	1541.36
8/31/2022	13:06:45	52.172	30.038	1.17	31.4	7.82	1541.38
8/31/2022	13:06:45	52.194	30.032	1.19	31.4	7.82	1541.38
8/31/2022	13:06:45	52.215	30.027	1.21	31.4	7.82	1541.39
8/31/2022	13:06:45	52.211	30.03	1.22	31.4	7.82	1541.39
8/31/2022	13:06:45	52.188	30.037	1.23	31.4	7.82	1541.39
8/31/2022	13:06:45	52.176	30.039	1.23	31.4	7.82	1541.38
8/31/2022	13:06:45	52.16	30.041	1.24	31.4	7.82	1541.37
8/31/2022	13:06:45	52.161	30.04	1.25	31.4	7.82	1541.37
8/31/2022	13:06:45	52.173	30.039	1.28	31.4	7.82	1541.38
8/31/2022	13:06:45	52.238	30.018	1.3	31.4	7.82	1541.39
8/31/2022	13:06:45	52.282	30.004	1.34	31.4	7.82	1541.41
8/31/2022	13:06:46	52.378	29.98	1.39	31.4	7.82	1541.44
8/31/2022	13:06:46	52.421	29.971	1.43	31.4	7.82	1541.46
8/31/2022	13:06:46	52.452	29.962	1.49	31.4	7.82	1541.47
8/31/2022	13:06:46	52.489	29.948	1.55	31.4	7.82	1541.47
8/31/2022	13:06:46	52.515	29.934	1.59	31.4	7.82	1541.47
8/31/2022	13:06:46	52.532	29.929	1.64	31.3	7.82	1541.48
8/31/2022	13:06:46	52.551	29.92	1.71	31.3	7.82	1541.48
8/31/2022	13:06:46	52.585	29.898	1.75	31.3	7.82	1541.47
8/31/2022	13:06:46	52.598	29.885	1.82	31.3	7.82	1541.46
8/31/2022	13:06:46	52.612	29.86	1.86	31.3	7.82	1541.44
8/31/2022	13:06:46	52.612	29.848	1.93	31.3	7.82	1541.42
8/31/2022	13:06:46	52.605	29.829	1.96	31.3	7.82	1541.39
8/31/2022	13:06:46	52.6	29.819	1.98	31.3	7.82	1541.37
8/31/2022	13:06:46	52.595	29.808	2.02	31.3	7.82	1541.35
8/31/2022	13:06:46	52.59	29.784	2.04	31.3	7.82	1541.31
8/31/2022	13:06:46	52.594	29.766	2.05	31.3	7.82	1541.29
8/31/2022	13:06:46	52.598	29.773	2.07	31.3	7.82	1541.3
8/31/2022	13:06:46	52.601	29.782	2.07	31.3	7.82	1541.32
8/31/2022	13:06:46	52.602	29.786	2.06	31.3	7.82	1541.33
8/31/2022	13:06:47	52.603	29.778	2.07	31.3	7.82	1541.31
8/31/2022	13:06:47	52.605	29.751	2.07	31.3	7.82	1541.28
8/31/2022	13:06:47	52.609	29.736	2.08	31.3	7.82	1541.26
8/31/2022	13:06:47	52.611	29.724	2.1	31.3	7.82	1541.24
8/31/2022	13:06:47	52.617	29.711	2.11	31.3	7.82	1541.23
8/31/2022	13:06:47	52.622	29.705	2.14	31.3	7.82	1541.22
8/31/2022	13:06:47	52.635	29.673	2.16	31.3	7.82	1541.19
8/31/2022	13:06:47	52.642	29.652	2.2	31.3	7.82	1541.16

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	13:06:47	52.656	29.618	2.26	31.3	7.82	1541.12
8/31/2022	13:06:47	52.66	29.604	2.29	31.3	7.82	1541.11
8/31/2022	13:06:47	52.667	29.581	2.32	31.3	7.82	1541.08
8/31/2022	13:06:47	52.671	29.57	2.38	31.3	7.82	1541.07
8/31/2022	13:06:47	52.675	29.559	2.42	31.3	7.82	1541.05
8/31/2022	13:06:47	52.683	29.541	2.48	31.3	7.82	1541.03
8/31/2022	13:06:47	52.686	29.534	2.53	31.3	7.82	1541.03
8/31/2022	13:06:47	52.693	29.519	2.58	31.3	7.82	1541.01
8/31/2022	13:06:47	52.697	29.514	2.65	31.3	7.82	1541.01
8/31/2022	13:06:47	52.701	29.509	2.69	31.5	7.82	1541
8/31/2022	13:06:48	52.715	29.498	2.73	31.5	7.82	1541
8/31/2022	13:06:48	52.731	29.484	2.77	31.5	7.82	1540.99
8/31/2022	13:06:48	52.738	29.476	2.8	31.5	7.82	1540.98
8/31/2022	13:06:48	52.743	29.469	2.81	31.5	7.82	1540.98
8/31/2022	13:06:48	52.745	29.469	2.82	31.5	7.82	1540.98
8/31/2022	13:06:48	52.744	29.472	2.83	31.5	7.82	1540.98
8/31/2022	13:06:48	52.738	29.474	2.83	31.5	7.82	1540.98
8/31/2022	13:06:48	52.737	29.474	2.83	31.5	7.82	1540.98
8/31/2022	13:06:48	52.736	29.474	2.83	31.5	7.82	1540.98
8/31/2022	13:06:48	52.737	29.474	2.84	31.5	7.82	1540.98
8/31/2022	13:06:48	52.739	29.474	2.84	31.5	7.82	1540.98
8/31/2022	13:06:48	52.743	29.472	2.86	31.5	7.82	1540.98
8/31/2022	13:06:48	52.749	29.461	2.89	31.5	7.82	1540.97
8/31/2022	13:06:48	52.754	29.456	2.93	31.5	7.82	1540.97
8/31/2022	13:06:48	52.761	29.451	2.97	31.5	7.82	1540.97
8/31/2022	13:06:48	52.777	29.441	3.01	31.5	7.82	1540.96
8/31/2022	13:06:48	52.784	29.435	3.05	31.5	7.82	1540.96
8/31/2022	13:06:48	52.796	29.425	3.11	31.5	7.82	1540.96
8/31/2022	13:06:48	52.799	29.42	3.15	31.5	7.82	1540.95
8/31/2022	13:06:49	52.803	29.413	3.22	31.7	7.82	1540.95
8/31/2022	13:06:49	52.81	29.4	3.27	31.7	7.82	1540.93
8/31/2022	13:06:49	52.813	29.394	3.32	31.7	7.82	1540.93
8/31/2022	13:06:49	52.821	29.379	3.4	31.7	7.82	1540.91
8/31/2022	13:06:49	52.823	29.369	3.46	31.7	7.82	1540.9
8/31/2022	13:06:49	52.826	29.343	3.51	31.7	7.82	1540.87
8/31/2022	13:06:49	52.828	29.33	3.56	31.7	7.82	1540.85
8/31/2022	13:06:49	52.828	29.308	3.59	31.7	7.82	1540.82
8/31/2022	13:06:49	52.829	29.301	3.63	31.7	7.82	1540.81
8/31/2022	13:06:49	52.829	29.295	3.65	31.7	7.82	1540.8
8/31/2022	13:06:49	52.831	29.285	3.66	31.7	7.82	1540.79
8/31/2022	13:06:49	52.832	29.285	3.67	31.7	7.82	1540.79
8/31/2022	13:06:49	52.833	29.289	3.68	31.7	7.82	1540.79

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	13:06:49	52.833	29.293	3.69	31.7	7.82	1540.8
8/31/2022	13:06:49	52.833	29.296	3.7	31.7	7.82	1540.8
8/31/2022	13:06:49	52.832	29.299	3.7	31.7	7.82	1540.81
8/31/2022	13:06:49	52.833	29.299	3.72	31.7	7.82	1540.81
8/31/2022	13:06:49	52.833	29.297	3.75	31.7	7.82	1540.81
8/31/2022	13:06:50	52.833	29.294	3.77	31.7	7.82	1540.8
8/31/2022	13:06:50	52.832	29.288	3.81	31.7	7.82	1540.79
8/31/2022	13:06:50	52.83	29.285	3.84	31.7	7.82	1540.79
8/31/2022	13:06:50	52.828	29.282	3.87	31.7	7.82	1540.78
8/31/2022	13:06:50	52.828	29.281	3.91	31.7	7.82	1540.78
8/31/2022	13:06:50	52.824	29.277	3.95	31.7	7.82	1540.77
8/31/2022	13:06:50	52.822	29.274	4.01	31.7	7.82	1540.77
8/31/2022	13:06:50	52.821	29.271	4.05	31.7	7.82	1540.77
8/31/2022	13:06:50	52.818	29.265	4.1	31.7	7.82	1540.76
8/31/2022	13:06:50	52.818	29.259	4.19	31.7	7.82	1540.75
8/31/2022	13:06:50	52.819	29.258	4.23	31.7	7.82	1540.75
8/31/2022	13:06:50	52.819	29.257	4.26	31.7	7.82	1540.75
8/31/2022	13:06:50	52.816	29.255	4.31	31.7	7.82	1540.74
8/31/2022	13:06:50	52.815	29.253	4.34	31.7	7.82	1540.74
8/31/2022	13:06:50	52.81	29.25	4.37	31.7	7.82	1540.73
8/31/2022	13:06:50	52.809	29.248	4.4	31.7	7.82	1540.73
8/31/2022	13:06:50	52.808	29.246	4.42	31.7	7.82	1540.73
8/31/2022	13:06:50	52.805	29.242	4.44	31.7	7.82	1540.72
8/31/2022	13:06:50	52.803	29.237	4.45	31.7	7.82	1540.71
8/31/2022	13:06:51	52.799	29.227	4.48	31.8	7.82	1540.69
8/31/2022	13:06:51	52.798	29.223	4.51	31.8	7.82	1540.69
8/31/2022	13:06:51	52.797	29.218	4.53	31.8	7.82	1540.68
8/31/2022	13:06:51	52.796	29.217	4.55	31.8	7.82	1540.68
8/31/2022	13:06:51	52.796	29.217	4.6	31.8	7.82	1540.68
8/31/2022	13:06:51	52.796	29.216	4.63	31.8	7.82	1540.68
8/31/2022	13:06:51	52.795	29.216	4.67	31.8	7.82	1540.68
8/31/2022	13:06:51	52.794	29.215	4.71	31.8	7.82	1540.68
8/31/2022	13:06:51	52.793	29.215	4.75	31.8	7.82	1540.68
8/31/2022	13:06:51	52.792	29.214	4.8	31.8	7.82	1540.67
8/31/2022	13:06:51	52.792	29.213	4.84	31.8	7.82	1540.67
8/31/2022	13:06:51	52.791	29.212	4.89	31.8	7.82	1540.67
8/31/2022	13:06:51	52.792	29.211	4.92	31.8	7.82	1540.67
8/31/2022	13:06:51	52.792	29.211	4.95	31.8	7.82	1540.67
8/31/2022	13:06:51	52.792	29.211	4.98	31.8	7.82	1540.67
8/31/2022	13:06:51	52.792	29.21	4.99	31.8	7.82	1540.67
8/31/2022	13:06:51	52.793	29.21	4.99	31.8	7.82	1540.67
8/31/2022	13:06:51	52.794	29.21	4.99	31.8	7.82	1540.67

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	13:06:52	52.793	29.211	4.99	31.8	7.82	1540.67
8/31/2022	13:06:52	52.794	29.211	4.98	31.8	7.82	1540.67
8/31/2022	13:06:52	52.793	29.211	4.97	31.8	7.82	1540.67
8/31/2022	13:06:52	52.793	29.212	4.96	31.8	7.82	1540.67
8/31/2022	13:06:52	52.793	29.212	4.94	31.8	7.82	1540.67
8/31/2022	13:06:52	52.793	29.211	4.93	31.8	7.82	1540.67
8/31/2022	13:06:52	52.793	29.211	4.93	31.8	7.82	1540.67
8/31/2022	13:06:52	52.794	29.211	4.93	31.8	7.82	1540.67
8/31/2022	13:06:52	52.794	29.211	4.93	31.8	7.82	1540.67
8/31/2022	13:06:52	52.794	29.211	4.95	31.8	7.82	1540.67
8/31/2022	13:06:52	52.794	29.21	4.97	31.8	7.82	1540.67
8/31/2022	13:06:52	52.792	29.21	4.99	31.8	7.82	1540.67
8/31/2022	13:06:52	52.792	29.21	5.03	31.8	7.82	1540.67
8/31/2022	13:06:52	52.79	29.209	5.06	31.8	7.82	1540.67
8/31/2022	13:06:52	52.789	29.209	5.09	31.8	7.82	1540.67
8/31/2022	13:06:52	52.789	29.21	5.12	31.8	7.82	1540.67
8/31/2022	13:06:52	52.789	29.208	5.15	31.8	7.82	1540.67
8/31/2022	13:06:52	52.789	29.207	5.19	31.8	7.82	1540.67
8/31/2022	13:06:52	52.788	29.207	5.24	31.8	7.82	1540.67
8/31/2022	13:06:53	52.789	29.206	5.28	31.8	7.82	1540.67
8/31/2022	13:06:53	52.79	29.204	5.31	31.8	7.82	1540.67
8/31/2022	13:06:53	52.79	29.204	5.37	31.8	7.82	1540.67
8/31/2022	13:06:53	52.789	29.203	5.41	31.8	7.82	1540.67
8/31/2022	13:06:53	52.788	29.203	5.46	31.8	7.82	1540.67
8/31/2022	13:06:53	52.788	29.202	5.5	31.8	7.82	1540.67
8/31/2022	13:06:53	52.788	29.203	5.53	31.8	7.82	1540.67
8/31/2022	13:06:53	52.788	29.203	5.58	31.8	7.82	1540.67
8/31/2022	13:06:53	52.737	29.203	5.59	31.8	7.82	1540.63
8/31/2022	13:06:55	52.648	29.202	5.55	31.8	7.82	1540.57
8/31/2022	13:06:55	52.719	29.202	5.5	31.8	7.82	1540.62
8/31/2022	13:06:55	52.759	29.203	5.47	31.8	7.82	1540.65
8/31/2022	13:06:55	52.769	29.203	5.42	31.8	7.82	1540.65
8/31/2022	13:06:56	52.749	29.203	5.4	31.8	7.82	1540.64
8/31/2022	13:06:56	52.636	29.204	5.38	31.8	7.82	1540.56
8/31/2022	13:06:56	52.451	29.203	5.36	31.8	7.82	1540.43
8/31/2022	13:06:56	52.348	29.203	5.36	31.8	7.82	1540.36
8/31/2022	13:06:56	52.32	29.204	5.36	31.8	7.82	1540.34
8/31/2022	13:06:56	52.412	29.203	5.37	31.8	7.82	1540.4
8/31/2022	13:06:56	52.539	29.203	5.38	31.8	7.82	1540.49
8/31/2022	13:06:56	52.652	29.204	5.4	31.8	7.82	1540.57
8/31/2022	13:06:56	52.67	29.203	5.41	31.8	7.82	1540.58
8/31/2022	13:06:56	52.685	29.203	5.43	31.8	7.82	1540.59

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	13:06:56	52.717	29.202	5.44	31.8	7.82	1540.62
8/31/2022	13:06:56	52.726	29.201	5.47	31.8	7.82	1540.62
8/31/2022	13:06:56	52.748	29.201	5.51	31.8	7.82	1540.64
8/31/2022	13:06:56	52.765	29.202	5.53	31.8	7.82	1540.65
8/31/2022	13:06:56	52.77	29.202	5.55	31.8	7.82	1540.65
8/31/2022	13:06:56	52.776	29.202	5.57	31.8	7.82	1540.66
8/31/2022	13:06:56	52.781	29.201	5.59	31.8	7.82	1540.66
8/31/2022	13:06:56	52.781	29.201	5.61	31.8	7.82	1540.66
8/31/2022	13:06:56	52.783	29.201	5.62	31.8	7.82	1540.66
8/31/2022	13:06:57	52.783	29.201	5.64	31.8	7.82	1540.66
8/31/2022	13:06:57	52.783	29.201	5.64	31.8	7.82	1540.66
8/31/2022	13:06:57	52.785	29.202	5.65	31.8	7.82	1540.67
8/31/2022	13:06:57	52.785	29.201	5.65	31.8	7.82	1540.67
8/31/2022	13:06:57	52.783	29.201	5.66	31.8	7.82	1540.66
8/31/2022	13:06:57	52.779	29.201	5.65	31.8	7.82	1540.66
8/31/2022	13:06:57	52.773	29.201	5.65	31.8	7.82	1540.66
8/31/2022	13:06:57	52.77	29.202	5.64	31.8	7.82	1540.66
8/31/2022	13:06:57	52.763	29.202	5.64	31.8	7.82	1540.65
8/31/2022	13:06:57	52.762	29.203	5.63	31.8	7.82	1540.65
8/31/2022	13:06:57	52.759	29.202	5.63	31.8	7.82	1540.65
8/31/2022	13:06:57	52.757	29.202	5.63	31.8	7.82	1540.65
8/31/2022	13:06:57	52.757	29.202	5.63	31.8	7.82	1540.65
8/31/2022	13:06:57	52.761	29.202	5.63	31.8	7.82	1540.65
8/31/2022	13:06:57	52.763	29.202	5.63	31.8	7.82	1540.65
8/31/2022	13:06:57	52.768	29.202	5.64	31.8	7.82	1540.65
8/31/2022	13:06:57	52.771	29.202	5.64	31.8	7.82	1540.66
8/31/2022	13:06:57	52.772	29.201	5.64	31.8	7.82	1540.66
8/31/2022	13:06:57	52.769	29.202	5.65	31.8	7.82	1540.65
8/31/2022	13:06:58	52.759	29.202	5.65	31.8	7.82	1540.65
8/31/2022	13:06:58	52.7	29.202	5.65	31.8	7.82	1540.61
8/31/2022	13:06:58	52.678	29.202	5.65	31.8	7.82	1540.59
8/31/2022	13:06:58	52.66	29.201	5.65	31.8	7.82	1540.58
8/31/2022	13:06:58	52.667	29.202	5.65	31.8	7.82	1540.58
8/31/2022	13:06:58	52.716	29.201	5.64	31.8	7.82	1540.62
8/31/2022	13:06:58	52.737	29.202	5.64	31.8	7.82	1540.63
8/31/2022	13:06:58	52.752	29.202	5.64	31.8	7.82	1540.64
8/31/2022	13:06:58	52.766	29.202	5.63	31.8	7.82	1540.65
8/31/2022	13:06:58	52.774	29.202	5.63	31.8	7.82	1540.66
8/31/2022	13:06:58	52.778	29.202	5.62	31.8	7.82	1540.66
8/31/2022	13:06:58	52.779	29.202	5.62	31.8	7.82	1540.66
8/31/2022	13:06:58	52.782	29.202	5.61	31.8	7.82	1540.66
8/31/2022	13:06:58	52.784	29.202	5.61	31.8	7.82	1540.66

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	13:06:58	52.782	29.203	5.6	31.8	7.82	1540.66
8/31/2022	13:06:58	52.784	29.203	5.59	31.8	7.82	1540.67
8/31/2022	13:06:58	52.784	29.203	5.58	31.8	7.82	1540.67
8/31/2022	13:06:58	52.783	29.202	5.58	31.8	7.82	1540.66
8/31/2022	13:06:58	52.783	29.202	5.57	31.8	7.82	1540.66
8/31/2022	13:06:59	52.781	29.202	5.57	31.8	7.82	1540.66
8/31/2022	13:06:59	52.781	29.202	5.57	31.8	7.82	1540.66
8/31/2022	13:06:59	52.781	29.203	5.57	31.8	7.82	1540.66

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	14:00:59	51.872	29.858	1.04	30.8	7.82	1540.91
8/31/2022	14:00:59	51.873	29.855	1.08	30.8	7.82	1540.9
8/31/2022	14:00:59	51.874	29.854	1.11	30.8	7.82	1540.9
8/31/2022	14:00:59	51.875	29.849	1.15	30.8	7.82	1540.9
8/31/2022	14:00:59	51.875	29.846	1.17	30.8	7.82	1540.89
8/31/2022	14:00:59	51.875	29.845	1.19	30.8	7.82	1540.89
8/31/2022	14:00:59	51.875	29.845	1.2	30.8	7.82	1540.89
8/31/2022	14:00:59	51.875	29.848	1.21	30.8	7.82	1540.9
8/31/2022	14:00:59	51.875	29.848	1.21	30.8	7.82	1540.9
8/31/2022	14:00:59	51.874	29.848	1.23	30.8	7.82	1540.9
8/31/2022	14:00:59	51.875	29.848	1.24	30.8	7.82	1540.9
8/31/2022	14:00:59	51.876	29.848	1.26	30.8	7.82	1540.9
8/31/2022	14:01:00	51.878	29.846	1.27	30.8	7.82	1540.9
8/31/2022	14:01:00	51.879	29.845	1.3	30.8	7.82	1540.9
8/31/2022	14:01:00	51.881	29.842	1.31	30.8	7.82	1540.89
8/31/2022	14:01:00	51.883	29.836	1.34	30.8	7.82	1540.89
8/31/2022	14:01:00	51.883	29.833	1.38	30.8	7.82	1540.88
8/31/2022	14:01:00	51.882	29.83	1.41	30.8	7.82	1540.88
8/31/2022	14:01:00	51.882	29.829	1.45	30.8	7.82	1540.88
8/31/2022	14:01:00	51.886	29.824	1.49	30.8	7.82	1540.88
8/31/2022	14:01:00	51.89	29.821	1.53	30.8	7.82	1540.87
8/31/2022	14:01:00	51.905	29.81	1.57	30.8	7.82	1540.87
8/31/2022	14:01:00	51.915	29.801	1.63	30.8	7.82	1540.86
8/31/2022	14:01:00	51.926	29.79	1.68	30.8	7.82	1540.86
8/31/2022	14:01:00	51.962	29.765	1.75	30.8	7.82	1540.85
8/31/2022	14:01:00	51.992	29.752	1.79	30.8	7.82	1540.85
8/31/2022	14:01:00	52.079	29.727	1.83	30.8	7.82	1540.87
8/31/2022	14:01:00	52.13	29.716	1.88	31.1	7.82	1540.89
8/31/2022	14:01:00	52.179	29.707	1.91	31.1	7.82	1540.91
8/31/2022	14:01:00	52.256	29.695	1.95	31.1	7.82	1540.95
8/31/2022	14:01:00	52.3	29.689	1.98	31.1	7.82	1540.97
8/31/2022	14:01:01	52.317	29.687	1.99	31.1	7.82	1540.98
8/31/2022	14:01:01	52.333	29.686	2.02	31.1	7.82	1540.99
8/31/2022	14:01:01	52.373	29.687	2.04	31.1	7.82	1541.02
8/31/2022	14:01:01	52.387	29.688	2.05	31.1	7.82	1541.03
8/31/2022	14:01:01	52.41	29.688	2.07	31.1	7.82	1541.05
8/31/2022	14:01:01	52.418	29.688	2.08	31.1	7.82	1541.06
8/31/2022	14:01:01	52.423	29.688	2.09	31.1	7.82	1541.06
8/31/2022	14:01:01	52.432	29.687	2.11	31.1	7.82	1541.07
8/31/2022	14:01:01	52.436	29.687	2.11	31.1	7.82	1541.07
8/31/2022	14:01:01	52.44	29.686	2.13	31.1	7.82	1541.07
8/31/2022	14:01:01	52.442	29.685	2.16	31.1	7.82	1541.07
8/31/2022	14:01:01	52.445	29.684	2.17	31.1	7.82	1541.07
8/31/2022	14:01:01	52.447	29.683	2.19	31.1	7.82	1541.07
8/31/2022	14:01:01	52.451	29.682	2.23	31.1	7.82	1541.07
8/31/2022	14:01:01	52.453	29.681	2.26	31.1	7.82	1541.07
8/31/2022	14:01:01	52.454	29.68	2.3	31.1	7.82	1541.07
8/31/2022	14:01:01	52.456	29.679	2.32	31.1	7.82	1541.07
8/31/2022	14:01:01	52.457	29.678	2.36	31.1	7.82	1541.07
8/31/2022	14:01:01	52.458	29.677	2.41	31.1	7.82	1541.07
8/31/2022	14:01:02	52.46	29.676	2.44	31.1	7.82	1541.07
8/31/2022	14:01:02	52.461	29.675	2.48	31.1	7.82	1541.07
8/31/2022	14:01:02	52.462	29.674	2.55	31.3	7.82	1541.08
8/31/2022	14:01:02	52.464	29.672	2.57	31.3	7.82	1541.07

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	14:01:02	52.464	29.672	2.59	31.3	7.82	1541.07
8/31/2022	14:01:02	52.465	29.671	2.62	31.3	7.82	1541.07
8/31/2022	14:01:02	52.465	29.671	2.63	31.3	7.82	1541.07
8/31/2022	14:01:02	52.465	29.671	2.65	31.3	7.82	1541.07
8/31/2022	14:01:02	52.465	29.671	2.66	31.3	7.82	1541.07
8/31/2022	14:01:02	52.465	29.672	2.68	31.3	7.82	1541.08
8/31/2022	14:01:02	52.465	29.672	2.7	31.3	7.82	1541.08
8/31/2022	14:01:02	52.465	29.671	2.72	31.3	7.82	1541.08
8/31/2022	14:01:02	52.465	29.67	2.74	31.3	7.82	1541.07
8/31/2022	14:01:02	52.466	29.669	2.77	31.3	7.82	1541.07
8/31/2022	14:01:02	52.467	29.669	2.8	31.3	7.82	1541.07
8/31/2022	14:01:02	52.469	29.668	2.82	31.3	7.82	1541.07
8/31/2022	14:01:02	52.469	29.667	2.85	31.3	7.82	1541.07
8/31/2022	14:01:02	52.469	29.665	2.88	31.3	7.82	1541.07
8/31/2022	14:01:03	52.469	29.665	2.92	31.3	7.82	1541.07
8/31/2022	14:01:03	52.47	29.665	2.95	31.3	7.82	1541.07
8/31/2022	14:01:03	52.47	29.664	2.98	31.3	7.82	1541.07
8/31/2022	14:01:03	52.469	29.664	3.03	31.3	7.82	1541.07
8/31/2022	14:01:03	52.469	29.662	3.06	31.3	7.82	1541.07
8/31/2022	14:01:03	52.468	29.66	3.1	31.3	7.82	1541.07
8/31/2022	14:01:03	52.468	29.659	3.16	31.3	7.82	1541.07
8/31/2022	14:01:03	52.468	29.658	3.2	31.3	7.82	1541.07
8/31/2022	14:01:03	52.467	29.659	3.23	31.3	7.82	1541.07
8/31/2022	14:01:03	52.464	29.658	3.26	31.3	7.82	1541.06
8/31/2022	14:01:03	52.462	29.657	3.28	31.3	7.82	1541.06
8/31/2022	14:01:03	52.455	29.653	3.3	31.3	7.82	1541.05
8/31/2022	14:01:03	52.453	29.651	3.33	31.3	7.82	1541.05
8/31/2022	14:01:03	52.451	29.65	3.35	31.3	7.82	1541.04
8/31/2022	14:01:03	52.451	29.649	3.37	31.3	7.82	1541.04
8/31/2022	14:01:03	52.452	29.648	3.39	31.3	7.82	1541.04
8/31/2022	14:01:03	52.454	29.645	3.4	31.3	7.82	1541.04
8/31/2022	14:01:03	52.454	29.644	3.43	31.3	7.82	1541.04
8/31/2022	14:01:03	52.454	29.643	3.46	31.3	7.82	1541.04
8/31/2022	14:01:04	52.454	29.643	3.48	31.3	7.82	1541.04
8/31/2022	14:01:04	52.454	29.642	3.52	31.3	7.82	1541.04
8/31/2022	14:01:04	52.454	29.641	3.56	31.3	7.82	1541.04
8/31/2022	14:01:04	52.455	29.64	3.59	31.3	7.82	1541.04
8/31/2022	14:01:04	52.456	29.64	3.64	31.3	7.82	1541.04
8/31/2022	14:01:04	52.458	29.64	3.68	31.3	7.82	1541.04
8/31/2022	14:01:04	52.462	29.641	3.73	31.3	7.82	1541.05
8/31/2022	14:01:04	52.463	29.64	3.77	31.3	7.82	1541.05
8/31/2022	14:01:04	52.467	29.64	3.82	31.3	7.82	1541.05
8/31/2022	14:01:04	52.469	29.64	3.87	31.3	7.82	1541.05
8/31/2022	14:01:04	52.469	29.639	3.91	31.3	7.82	1541.05
8/31/2022	14:01:04	52.473	29.637	3.98	31.3	7.82	1541.05
8/31/2022	14:01:04	52.475	29.634	4.05	31.3	7.82	1541.05
8/31/2022	14:01:04	52.477	29.632	4.09	31.3	7.82	1541.05
8/31/2022	14:01:04	52.477	29.63	4.14	31.3	7.82	1541.05
8/31/2022	14:01:04	52.481	29.626	4.19	31.3	7.82	1541.05
8/31/2022	14:01:04	52.483	29.624	4.22	31.3	7.82	1541.04
8/31/2022	14:01:04	52.487	29.621	4.27	31.3	7.82	1541.04
8/31/2022	14:01:04	52.487	29.621	4.3	31.3	7.82	1541.04
8/31/2022	14:01:05	52.487	29.621	4.34	31.3	7.82	1541.04
8/31/2022	14:01:05	52.488	29.621	4.38	31.3	7.82	1541.05

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	14:01:05	52.487	29.62	4.41	31.3	7.82	1541.05
8/31/2022	14:01:05	52.487	29.621	4.44	31.3	7.82	1541.05
8/31/2022	14:01:05	52.487	29.621	4.48	31.3	7.82	1541.05
8/31/2022	14:01:05	52.487	29.621	4.5	31.3	7.82	1541.05
8/31/2022	14:01:05	52.487	29.621	4.53	31.3	7.82	1541.05
8/31/2022	14:01:05	52.487	29.622	4.58	31.3	7.82	1541.05
8/31/2022	14:01:05	52.487	29.623	4.62	31.3	7.82	1541.05
8/31/2022	14:01:05	52.488	29.623	4.67	31.3	7.82	1541.05
8/31/2022	14:01:05	52.49	29.622	4.72	31.3	7.82	1541.06
8/31/2022	14:01:05	52.49	29.622	4.75	31.3	7.82	1541.06
8/31/2022	14:01:05	52.495	29.62	4.82	31.3	7.82	1541.06
8/31/2022	14:01:05	52.498	29.618	4.86	31.3	7.82	1541.06
8/31/2022	14:01:05	52.504	29.61	4.92	31.3	7.82	1541.05
8/31/2022	14:01:05	52.508	29.607	4.99	31.3	7.82	1541.05
8/31/2022	14:01:05	52.511	29.6	5.02	31.3	7.82	1541.04
8/31/2022	14:01:05	52.512	29.596	5.06	31.3	7.82	1541.04
8/31/2022	14:01:06	52.513	29.593	5.1	31.3	7.82	1541.04
8/31/2022	14:01:06	52.517	29.584	5.13	31.3	7.82	1541.03
8/31/2022	14:01:06	52.519	29.579	5.18	31.3	7.82	1541.02
8/31/2022	14:01:06	52.523	29.57	5.22	31.3	7.82	1541.01
8/31/2022	14:01:06	52.524	29.566	5.25	31.3	7.82	1541.01
8/31/2022	14:01:06	52.526	29.562	5.29	31.3	7.82	1541
8/31/2022	14:01:06	52.528	29.554	5.32	31.3	7.82	1540.99
8/31/2022	14:01:06	52.53	29.551	5.34	31.3	7.82	1540.99
8/31/2022	14:01:06	52.533	29.541	5.41	31.3	7.82	1540.98
8/31/2022	14:01:06	52.535	29.535	5.44	31.3	7.82	1540.97
8/31/2022	14:01:06	52.537	29.526	5.48	31.3	7.82	1540.96
8/31/2022	14:01:06	52.538	29.521	5.54	31.3	7.8	1540.96
8/31/2022	14:01:06	52.539	29.513	5.58	31.3	7.82	1540.94
8/31/2022	14:01:06	52.539	29.509	5.61	31.3	7.82	1540.94
8/31/2022	14:01:06	52.539	29.504	5.67	31.3	7.82	1540.93
8/31/2022	14:01:06	52.541	29.492	5.71	31.3	7.82	1540.92
8/31/2022	14:01:06	52.541	29.487	5.77	31.3	7.82	1540.91
8/31/2022	14:01:06	52.543	29.479	5.81	31.3	7.82	1540.9
8/31/2022	14:01:06	52.544	29.474	5.84	31.3	7.82	1540.9
8/31/2022	14:01:07	52.547	29.464	5.88	31.3	7.82	1540.88
8/31/2022	14:01:07	52.55	29.459	5.92	31.3	7.82	1540.88
8/31/2022	14:01:07	52.557	29.448	5.95	31.3	7.82	1540.87
8/31/2022	14:01:07	52.56	29.442	5.98	31.3	7.82	1540.86
8/31/2022	14:01:07	52.562	29.437	6	31.3	7.82	1540.86
8/31/2022	14:01:07	52.565	29.431	6.03	31.3	7.82	1540.85
8/31/2022	14:01:07	52.565	29.43	6.06	31.3	7.82	1540.85
8/31/2022	14:01:07	51.702	29.427	6.07	31.3	7.82	1540.24

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	15:00:31	51.721	30.164	0.96	30.6	7.8	1541.25
8/31/2022	15:00:31	51.721	30.141	1	30.6	7.8	1541.21
8/31/2022	15:00:31	51.721	30.117	1.01	30.6	7.8	1541.18
8/31/2022	15:00:31	51.721	30.099	1.03	30.6	7.8	1541.15
8/31/2022	15:00:31	51.721	30.11	1.05	30.6	7.8	1541.17
8/31/2022	15:00:31	51.719	30.151	1.05	30.6	7.8	1541.23
8/31/2022	15:00:31	51.719	30.171	1.06	30.6	7.8	1541.26
8/31/2022	15:00:31	51.719	30.197	1.07	30.6	7.8	1541.29
8/31/2022	15:00:31	51.719	30.2	1.08	30.6	7.8	1541.3
8/31/2022	15:00:31	51.72	30.199	1.09	30.6	7.8	1541.3
8/31/2022	15:00:31	51.721	30.206	1.1	30.6	7.8	1541.31
8/31/2022	15:00:31	51.72	30.213	1.11	30.6	7.8	1541.32
8/31/2022	15:00:32	51.72	30.219	1.13	30.6	7.8	1541.33
8/31/2022	15:00:32	51.719	30.221	1.15	30.6	7.8	1541.33
8/31/2022	15:00:32	51.717	30.223	1.18	30.6	7.8	1541.33
8/31/2022	15:00:32	51.717	30.215	1.22	30.6	7.8	1541.32
8/31/2022	15:00:32	51.716	30.193	1.26	30.6	7.8	1541.29
8/31/2022	15:00:32	51.715	30.125	1.3	30.6	7.8	1541.19
8/31/2022	15:00:32	51.715	30.058	1.36	30.6	7.8	1541.09
8/31/2022	15:00:32	51.717	30.03	1.4	30.6	7.8	1541.06
8/31/2022	15:00:32	51.717	30.008	1.44	30.6	7.8	1541.03
8/31/2022	15:00:32	51.719	29.978	1.49	30.6	7.8	1540.98
8/31/2022	15:00:32	51.72	29.967	1.52	30.6	7.8	1540.97
8/31/2022	15:00:32	51.719	29.957	1.54	30.6	7.8	1540.95
8/31/2022	15:00:32	51.718	29.939	1.58	30.6	7.8	1540.93
8/31/2022	15:00:32	51.72	29.929	1.59	30.6	7.8	1540.92
8/31/2022	15:00:32	51.721	29.91	1.61	30.6	7.8	1540.89
8/31/2022	15:00:32	51.722	29.899	1.63	30.6	7.8	1540.87
8/31/2022	15:00:32	51.724	29.878	1.63	30.6	7.8	1540.84
8/31/2022	15:00:32	51.724	29.873	1.64	30.6	7.8	1540.84
8/31/2022	15:00:32	51.724	29.869	1.65	30.6	7.8	1540.83
8/31/2022	15:00:33	51.724	29.869	1.65	30.6	7.8	1540.83
8/31/2022	15:00:33	51.724	29.871	1.65	30.6	7.8	1540.83
8/31/2022	15:00:33	51.724	29.874	1.65	30.6	7.8	1540.84
8/31/2022	15:00:33	51.724	29.875	1.65	30.6	7.8	1540.84
8/31/2022	15:00:33	51.724	29.872	1.66	30.6	7.8	1540.84
8/31/2022	15:00:33	51.724	29.869	1.66	30.6	7.8	1540.83
8/31/2022	15:00:33	51.724	29.868	1.68	30.6	7.8	1540.83
8/31/2022	15:00:33	51.724	29.866	1.69	30.6	7.8	1540.83
8/31/2022	15:00:33	51.724	29.866	1.71	30.6	7.8	1540.83
8/31/2022	15:00:33	51.725	29.866	1.74	30.6	7.8	1540.83
8/31/2022	15:00:33	51.725	29.866	1.79	30.6	7.8	1540.83

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	15:00:33	51.727	29.864	1.82	30.6	7.8	1540.83
8/31/2022	15:00:33	51.728	29.862	1.87	30.6	7.8	1540.83
8/31/2022	15:00:33	51.727	29.859	1.9	30.6	7.8	1540.82
8/31/2022	15:00:33	51.727	29.858	1.93	30.6	7.8	1540.82
8/31/2022	15:00:33	51.727	29.857	1.97	30.6	7.8	1540.82
8/31/2022	15:00:33	51.726	29.858	1.99	30.6	7.8	1540.82
8/31/2022	15:00:33	51.725	29.859	2.01	30.6	7.8	1540.82
8/31/2022	15:00:33	51.724	29.863	2.04	30.6	7.8	1540.83
8/31/2022	15:00:34	51.723	29.865	2.06	30.6	7.8	1540.83
8/31/2022	15:00:34	51.721	29.868	2.08	30.6	7.8	1540.84
8/31/2022	15:00:34	51.722	29.87	2.12	30.6	7.8	1540.84
8/31/2022	15:00:34	51.722	29.87	2.14	30.6	7.8	1540.84
8/31/2022	15:00:34	51.723	29.869	2.16	30.6	7.8	1540.84
8/31/2022	15:00:34	51.723	29.868	2.19	30.6	7.8	1540.84
8/31/2022	15:00:34	51.721	29.865	2.2	30.6	7.8	1540.83
8/31/2022	15:00:34	51.721	29.865	2.23	30.6	7.8	1540.83
8/31/2022	15:00:34	51.722	29.863	2.26	30.6	7.8	1540.83
8/31/2022	15:00:34	51.722	29.863	2.29	30.6	7.8	1540.83
8/31/2022	15:00:34	51.721	29.862	2.33	30.6	7.8	1540.83
8/31/2022	15:00:34	51.721	29.86	2.36	30.6	7.8	1540.83
8/31/2022	15:00:34	51.724	29.855	2.42	30.6	7.8	1540.82
8/31/2022	15:00:34	51.728	29.846	2.48	30.6	7.8	1540.81
8/31/2022	15:00:34	51.732	29.832	2.52	30.6	7.8	1540.8
8/31/2022	15:00:34	51.743	29.789	2.57	30.6	7.8	1540.74
8/31/2022	15:00:34	51.747	29.766	2.64	30.6	7.8	1540.71
8/31/2022	15:00:34	51.751	29.727	2.68	30.6	7.8	1540.66
8/31/2022	15:00:35	51.752	29.712	2.75	30.6	7.8	1540.64
8/31/2022	15:00:35	51.752	29.7	2.79	30.6	7.8	1540.62
8/31/2022	15:00:35	51.753	29.685	2.83	30.6	7.8	1540.6
8/31/2022	15:00:35	51.753	29.68	2.87	30.6	7.8	1540.6
8/31/2022	15:00:35	51.752	29.674	2.91	30.6	7.8	1540.59
8/31/2022	15:00:35	51.752	29.674	2.95	30.6	7.8	1540.59
8/31/2022	15:00:35	51.75	29.673	2.97	30.6	7.8	1540.59
8/31/2022	15:00:35	51.75	29.673	2.99	30.6	7.8	1540.59
8/31/2022	15:00:35	51.75	29.673	3	30.6	7.8	1540.59
8/31/2022	15:00:35	51.751	29.673	3.02	30.6	7.8	1540.59
8/31/2022	15:00:35	51.751	29.674	3.02	30.6	7.8	1540.59
8/31/2022	15:00:35	51.752	29.675	3.02	30.6	7.8	1540.59
8/31/2022	15:00:35	51.752	29.675	3.03	30.6	7.8	1540.59
8/31/2022	15:00:35	51.752	29.675	3.03	30.8	7.8	1540.59
8/31/2022	15:00:35	51.751	29.677	3.03	30.8	7.8	1540.59
8/31/2022	15:00:35	51.75	29.677	3.04	30.8	7.8	1540.59

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	15:00:35	51.75	29.679	3.05	30.8	7.8	1540.6
8/31/2022	15:00:35	51.75	29.678	3.07	30.8	7.8	1540.6
8/31/2022	15:00:35	51.75	29.679	3.1	30.8	7.8	1540.6
8/31/2022	15:00:36	51.75	29.679	3.13	30.8	7.8	1540.6
8/31/2022	15:00:36	51.75	29.678	3.15	30.8	7.8	1540.6
8/31/2022	15:00:36	51.75	29.676	3.18	30.8	7.8	1540.59
8/31/2022	15:00:36	51.75	29.674	3.21	30.8	7.8	1540.59
8/31/2022	15:00:36	51.749	29.669	3.27	30.8	7.8	1540.58
8/31/2022	15:00:36	51.746	29.666	3.31	30.8	7.8	1540.58
8/31/2022	15:00:36	51.744	29.664	3.34	30.8	7.8	1540.57
8/31/2022	15:00:36	51.744	29.664	3.39	30.8	7.8	1540.58
8/31/2022	15:00:36	51.744	29.664	3.43	30.8	7.8	1540.58
8/31/2022	15:00:36	51.749	29.665	3.5	30.8	7.8	1540.58
8/31/2022	15:00:36	51.749	29.667	3.55	30.8	7.8	1540.59
8/31/2022	15:00:36	51.748	29.67	3.58	30.8	7.8	1540.59
8/31/2022	15:00:36	51.748	29.672	3.62	30.8	7.8	1540.59
8/31/2022	15:00:36	51.747	29.676	3.67	30.8	7.8	1540.6
8/31/2022	15:00:36	51.747	29.678	3.7	30.8	7.8	1540.6
8/31/2022	15:00:36	51.747	29.68	3.75	30.8	7.8	1540.61
8/31/2022	15:00:36	51.747	29.68	3.78	30.8	7.8	1540.61
8/31/2022	15:00:36	51.747	29.68	3.8	30.8	7.8	1540.61
8/31/2022	15:00:36	51.747	29.68	3.84	30.8	7.8	1540.61
8/31/2022	15:00:37	51.747	29.678	3.87	30.8	7.8	1540.61
8/31/2022	15:00:37	51.749	29.671	3.9	30.8	7.8	1540.6
8/31/2022	15:00:37	51.749	29.666	3.93	30.8	7.8	1540.59
8/31/2022	15:00:37	51.75	29.658	3.99	30.8	7.8	1540.58
8/31/2022	15:00:37	51.75	29.655	4.02	30.8	7.8	1540.58
8/31/2022	15:00:37	51.74	29.652	4.08	30.8	7.8	1540.57
8/31/2022	15:00:37	51.719	29.647	4.12	30.8	7.8	1540.54
8/31/2022	15:00:37	51.719	29.645	4.16	30.8	7.8	1540.54
8/31/2022	15:00:37	51.72	29.642	4.23	30.8	7.8	1540.54
8/31/2022	15:00:37	51.731	29.64	4.27	30.8	7.8	1540.55
8/31/2022	15:00:37	51.751	29.637	4.33	30.8	7.8	1540.56
8/31/2022	15:00:37	51.754	29.626	4.37	30.8	7.8	1540.54
8/31/2022	15:00:37	51.755	29.622	4.41	30.8	7.8	1540.54
8/31/2022	15:00:37	51.757	29.61	4.47	30.8	7.8	1540.52
8/31/2022	15:00:37	51.758	29.606	4.53	30.8	7.8	1540.52
8/31/2022	15:00:37	51.758	29.598	4.57	30.8	7.8	1540.51
8/31/2022	15:00:37	51.758	29.596	4.62	30.8	7.8	1540.51
8/31/2022	15:00:37	51.758	29.592	4.67	30.8	7.8	1540.5
8/31/2022	15:00:37	51.757	29.59	4.71	30.8	7.8	1540.5
8/31/2022	15:00:38	51.757	29.585	4.77	30.8	7.8	1540.49

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	15:00:38	51.758	29.57	4.81	30.8	7.8	1540.47
8/31/2022	15:00:38	51.758	29.562	4.85	30.8	7.8	1540.46
8/31/2022	15:00:38	51.758	29.545	4.9	30.8	7.8	1540.43
8/31/2022	15:00:38	51.758	29.536	4.95	30.8	7.8	1540.42
8/31/2022	15:00:38	51.758	29.53	5.02	30.8	7.8	1540.42
8/31/2022	15:00:38	51.758	29.52	5.09	30.8	7.8	1540.4
8/31/2022	15:00:38	51.759	29.512	5.14	30.8	7.8	1540.39
8/31/2022	15:00:38	51.759	29.508	5.19	30.8	7.8	1540.39
8/31/2022	15:00:38	51.758	29.505	5.25	30.8	7.8	1540.38
8/31/2022	15:00:38	51.758	29.498	5.31	30.8	7.8	1540.37
8/31/2022	15:00:38	51.758	29.495	5.37	30.8	7.8	1540.37
8/31/2022	15:00:38	51.759	29.49	5.41	30.8	7.8	1540.36
8/31/2022	15:00:38	51.759	29.487	5.43	30.8	7.8	1540.36
8/31/2022	15:00:38	51.759	29.484	5.49	30.8	7.8	1540.36
8/31/2022	15:00:38	51.76	29.481	5.51	30.8	7.8	1540.35
8/31/2022	15:00:38	51.76	29.479	5.56	30.8	7.8	1540.35
8/31/2022	15:00:38	51.76	29.476	5.6	30.8	7.8	1540.35
8/31/2022	15:00:39	51.76	29.474	5.63	30.8	7.8	1540.35
8/31/2022	15:00:39	51.759	29.472	5.66	30.8	7.8	1540.34
8/31/2022	15:00:39	51.758	29.471	5.7	30.8	7.8	1540.34
8/31/2022	15:00:39	51.758	29.47	5.74	30.8	7.8	1540.34
8/31/2022	15:00:39	51.759	29.468	5.81	30.8	7.8	1540.34

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	16:01:07	51.163	30.095	1	30.2	7.78	1540.77
8/31/2022	16:01:07	51.163	30.092	1.06	30.2	7.78	1540.76
8/31/2022	16:01:07	51.163	30.092	1.1	30.2	7.78	1540.76
8/31/2022	16:01:07	51.163	30.092	1.13	30.2	7.78	1540.76
8/31/2022	16:01:07	51.164	30.092	1.19	30.2	7.78	1540.76
8/31/2022	16:01:07	51.165	30.092	1.23	30.2	7.78	1540.77
8/31/2022	16:01:07	51.164	30.094	1.26	30.2	7.78	1540.77
8/31/2022	16:01:07	51.165	30.094	1.33	30.2	7.78	1540.77
8/31/2022	16:01:07	51.166	30.091	1.36	30.2	7.78	1540.77
8/31/2022	16:01:07	51.167	30.089	1.42	30.2	7.78	1540.77
8/31/2022	16:01:07	51.167	30.088	1.49	30.2	7.78	1540.77
8/31/2022	16:01:07	51.168	30.089	1.53	30.2	7.78	1540.77
8/31/2022	16:01:07	51.168	30.089	1.58	30.2	7.78	1540.77
8/31/2022	16:01:08	51.168	30.088	1.62	30.2	7.78	1540.77
8/31/2022	16:01:08	51.168	30.086	1.67	30.2	7.78	1540.77
8/31/2022	16:01:08	51.168	30.082	1.74	30.2	7.78	1540.76
8/31/2022	16:01:08	51.169	30.081	1.77	30.2	7.78	1540.76
8/31/2022	16:01:08	51.137	30.08	1.81	30.2	7.78	1540.74
8/31/2022	16:01:08	51.137	30.08	1.87	30.2	7.78	1540.74
8/31/2022	16:01:08	51.137	30.08	1.91	30.2	7.78	1540.74
8/31/2022	16:01:08	51.138	30.081	1.97	30.2	7.78	1540.74
8/31/2022	16:01:08	51.17	30.081	2.02	30.2	7.78	1540.77
8/31/2022	16:01:08	51.17	30.082	2.05	30.2	7.78	1540.77
8/31/2022	16:01:08	51.169	30.083	2.08	30.2	7.78	1540.77
8/31/2022	16:01:08	51.168	30.082	2.15	30.2	7.78	1540.77
8/31/2022	16:01:08	51.168	30.082	2.18	30.2	7.78	1540.77
8/31/2022	16:01:08	51.167	30.082	2.23	30.2	7.78	1540.77
8/31/2022	16:01:08	51.168	30.081	2.27	30.2	7.78	1540.77
8/31/2022	16:01:08	51.168	30.082	2.31	30.2	7.78	1540.77
8/31/2022	16:01:08	51.168	30.083	2.35	30.2	7.78	1540.77
8/31/2022	16:01:08	51.168	30.084	2.39	30.2	7.78	1540.78
8/31/2022	16:01:09	51.167	30.085	2.44	30.2	7.78	1540.78
8/31/2022	16:01:09	51.167	30.085	2.5	30.2	7.78	1540.78
8/31/2022	16:01:09	51.167	30.085	2.54	30.2	7.78	1540.78
8/31/2022	16:01:09	51.168	30.085	2.58	30.2	7.78	1540.78
8/31/2022	16:01:09	51.169	30.085	2.63	30.2	7.78	1540.78
8/31/2022	16:01:09	51.17	30.083	2.67	30.2	7.78	1540.78
8/31/2022	16:01:09	51.17	30.083	2.73	30.2	7.78	1540.78
8/31/2022	16:01:09	51.171	30.083	2.77	30.2	7.78	1540.78
8/31/2022	16:01:09	51.17	30.083	2.81	30.2	7.78	1540.78
8/31/2022	16:01:09	51.17	30.084	2.88	30.2	7.78	1540.78
8/31/2022	16:01:09	51.169	30.084	2.93	30.2	7.78	1540.78

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	16:01:09	51.168	30.084	2.99	30.2	7.78	1540.79
8/31/2022	16:01:09	51.168	30.083	3.05	30.2	7.78	1540.79
8/31/2022	16:01:09	51.169	30.083	3.09	30.2	7.78	1540.79
8/31/2022	16:01:09	51.171	30.083	3.14	30.2	7.78	1540.79
8/31/2022	16:01:09	51.171	30.083	3.2	30.2	7.78	1540.79
8/31/2022	16:01:09	51.171	30.083	3.24	30.2	7.78	1540.79
8/31/2022	16:01:09	51.171	30.084	3.3	30.2	7.78	1540.79
8/31/2022	16:01:09	51.171	30.083	3.35	30.2	7.78	1540.79
8/31/2022	16:01:09	51.171	30.083	3.39	30.2	7.78	1540.79
8/31/2022	16:01:10	51.171	30.083	3.44	30.2	7.78	1540.79
8/31/2022	16:01:10	51.171	30.084	3.49	30.2	7.78	1540.8
8/31/2022	16:01:10	51.171	30.083	3.55	30.2	7.78	1540.8
8/31/2022	16:01:10	51.171	30.083	3.62	30.2	7.78	1540.8
8/31/2022	16:01:10	51.171	30.083	3.66	30.2	7.78	1540.8
8/31/2022	16:01:10	51.171	30.081	3.7	30.2	7.78	1540.8
8/31/2022	16:01:10	51.172	30.081	3.76	30.2	7.78	1540.8
8/31/2022	16:01:10	51.171	30.082	3.81	30.2	7.78	1540.8
8/31/2022	16:01:10	51.172	30.081	3.87	30.2	7.78	1540.8
8/31/2022	16:01:10	51.172	30.081	3.91	30.2	7.78	1540.8
8/31/2022	16:01:10	51.172	30.081	3.96	30.2	7.78	1540.8
8/31/2022	16:01:10	51.172	30.081	4.03	30.2	7.78	1540.8
8/31/2022	16:01:10	51.172	30.081	4.08	30.2	7.78	1540.8
8/31/2022	16:01:10	51.173	30.081	4.12	30.2	7.78	1540.8
8/31/2022	16:01:10	51.172	30.081	4.2	30.2	7.78	1540.8
8/31/2022	16:01:10	51.173	30.081	4.27	30.2	7.78	1540.81
8/31/2022	16:01:10	51.172	30.081	4.32	30.2	7.78	1540.81
8/31/2022	16:01:10	51.171	30.08	4.39	30.2	7.78	1540.81
8/31/2022	16:01:11	51.172	30.08	4.44	30.2	7.78	1540.81
8/31/2022	16:01:11	51.171	30.079	4.49	30.2	7.78	1540.81
8/31/2022	16:01:11	51.172	30.078	4.56	30.2	7.78	1540.81
8/31/2022	16:01:11	51.172	30.078	4.62	30.2	7.78	1540.81
8/31/2022	16:01:11	51.172	30.078	4.69	30.2	7.78	1540.81
8/31/2022	16:01:11	51.173	30.078	4.74	30.2	7.78	1540.81
8/31/2022	16:01:11	51.172	30.079	4.79	30.2	7.78	1540.81
8/31/2022	16:01:11	51.171	30.078	4.86	30.2	7.78	1540.81
8/31/2022	16:01:11	51.167	30.075	4.93	30.2	7.78	1540.8
8/31/2022	16:01:11	51.166	30.072	4.98	30.2	7.78	1540.8
8/31/2022	16:01:11	51.163	30.067	5.06	30.2	7.78	1540.79
8/31/2022	16:01:11	51.163	30.065	5.1	30.2	7.78	1540.79
8/31/2022	16:01:11	51.163	30.063	5.14	30.2	7.78	1540.79
8/31/2022	16:01:11	51.162	30.061	5.21	30.2	7.78	1540.78
8/31/2022	16:01:11	51.161	30.06	5.26	30.2	7.78	1540.78

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	16:01:11	51.16	30.059	5.34	30.2	7.78	1540.78
8/31/2022	16:01:11	51.16	30.058	5.38	30.2	7.78	1540.78
8/31/2022	16:01:11	51.16	30.057	5.42	30.2	7.78	1540.78
8/31/2022	16:01:11	51.161	30.056	5.49	30.2	7.78	1540.78
8/31/2022	16:01:12	51.162	30.056	5.57	30.2	7.78	1540.78
8/31/2022	16:01:12	51.161	30.055	5.62	30.2	7.78	1540.78
8/31/2022	16:01:12	51.16	30.055	5.69	30.2	7.78	1540.78
8/31/2022	16:01:12	51.16	30.055	5.75	30.2	7.78	1540.78

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	17:00:57	51.146	30.396	1.04	30.2	7.78	1541.19
8/31/2022	17:00:57	51.152	30.393	1.08	30.2	7.78	1541.19
8/31/2022	17:00:57	51.17	30.389	1.13	30.2	7.78	1541.2
8/31/2022	17:00:57	51.178	30.388	1.19	30.2	7.78	1541.2
8/31/2022	17:00:57	51.196	30.385	1.23	30.2	7.78	1541.21
8/31/2022	17:00:57	51.203	30.384	1.28	30.2	7.78	1541.22
8/31/2022	17:00:57	51.208	30.381	1.31	30.2	7.78	1541.22
8/31/2022	17:00:57	51.212	30.381	1.33	30.2	7.78	1541.22
8/31/2022	17:00:57	51.214	30.381	1.37	30.2	7.78	1541.22
8/31/2022	17:00:57	51.215	30.381	1.39	30.2	7.78	1541.22
8/31/2022	17:00:57	51.215	30.381	1.43	30.2	7.78	1541.22
8/31/2022	17:00:57	51.215	30.38	1.44	30.2	7.78	1541.22
8/31/2022	17:00:58	51.215	30.38	1.46	30.2	7.78	1541.22
8/31/2022	17:00:58	51.214	30.379	1.48	30.2	7.78	1541.22
8/31/2022	17:00:58	51.215	30.378	1.49	30.2	7.78	1541.22
8/31/2022	17:00:58	51.215	30.378	1.49	30.2	7.78	1541.22
8/31/2022	17:00:58	51.214	30.377	1.5	30.2	7.78	1541.22
8/31/2022	17:00:58	51.214	30.377	1.5	30.2	7.78	1541.22
8/31/2022	17:00:58	51.211	30.379	1.51	30.2	7.78	1541.22
8/31/2022	17:00:58	51.211	30.379	1.54	30.2	7.78	1541.22
8/31/2022	17:00:58	51.211	30.38	1.56	30.2	7.78	1541.22
8/31/2022	17:00:58	51.212	30.38	1.6	30.2	7.78	1541.22
8/31/2022	17:00:58	51.213	30.38	1.63	30.2	7.78	1541.22
8/31/2022	17:00:58	51.215	30.38	1.69	30.2	7.78	1541.23
8/31/2022	17:00:58	51.215	30.378	1.73	30.2	7.78	1541.22
8/31/2022	17:00:58	51.215	30.378	1.79	30.2	7.78	1541.22
8/31/2022	17:00:58	51.215	30.378	1.82	30.2	7.78	1541.22
8/31/2022	17:00:58	51.211	30.378	1.87	30.2	7.78	1541.22
8/31/2022	17:00:58	51.211	30.378	1.91	30.2	7.78	1541.22
8/31/2022	17:00:58	51.209	30.379	1.96	30.2	7.78	1541.22
8/31/2022	17:00:59	51.207	30.38	1.99	30.2	7.78	1541.23
8/31/2022	17:00:59	51.205	30.38	2.02	30.2	7.78	1541.23
8/31/2022	17:00:59	51.203	30.381	2.06	30.2	7.78	1541.23
8/31/2022	17:00:59	51.201	30.382	2.09	30.2	7.78	1541.23
8/31/2022	17:00:59	51.196	30.383	2.14	30.2	7.78	1541.22
8/31/2022	17:00:59	51.194	30.384	2.19	30.2	7.78	1541.23
8/31/2022	17:00:59	51.189	30.385	2.22	30.2	7.78	1541.22
8/31/2022	17:00:59	51.187	30.385	2.26	30.2	7.78	1541.22
8/31/2022	17:00:59	51.186	30.386	2.32	30.2	7.75	1541.23
8/31/2022	17:00:59	51.187	30.386	2.35	30.2	7.78	1541.23
8/31/2022	17:00:59	51.188	30.386	2.4	30.2	7.78	1541.23
8/31/2022	17:00:59	51.189	30.386	2.45	30.2	7.78	1541.23

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	17:00:59	51.189	30.386	2.49	30.2	7.78	1541.23
8/31/2022	17:00:59	51.188	30.387	2.55	30.2	7.78	1541.23
8/31/2022	17:00:59	51.188	30.387	2.6	30.2	7.78	1541.23
8/31/2022	17:00:59	51.187	30.386	2.67	30.2	7.78	1541.23
8/31/2022	17:00:59	51.188	30.386	2.74	30.2	7.78	1541.23
8/31/2022	17:00:59	51.189	30.386	2.78	30.2	7.78	1541.24
8/31/2022	17:00:59	51.191	30.385	2.84	30.2	7.78	1541.24
8/31/2022	17:01:00	51.192	30.384	2.88	30.2	7.78	1541.24
8/31/2022	17:01:00	51.191	30.384	2.92	30.2	7.78	1541.24
8/31/2022	17:01:00	51.191	30.384	2.98	30.2	7.78	1541.24
8/31/2022	17:01:00	51.196	30.383	3.03	30.2	7.78	1541.24
8/31/2022	17:01:00	51.201	30.383	3.09	30.2	7.78	1541.24
8/31/2022	17:01:00	51.208	30.38	3.13	30.2	7.78	1541.25
8/31/2022	17:01:00	51.214	30.379	3.18	30.2	7.78	1541.25
8/31/2022	17:01:00	51.215	30.378	3.24	30.2	7.78	1541.25
8/31/2022	17:01:00	51.216	30.376	3.3	30.2	7.78	1541.25
8/31/2022	17:01:00	51.219	30.374	3.34	30.2	7.78	1541.25
8/31/2022	17:01:00	51.219	30.374	3.41	30.2	7.78	1541.25
8/31/2022	17:01:00	51.22	30.373	3.45	30.2	7.78	1541.25
8/31/2022	17:01:00	51.222	30.372	3.49	30.2	7.78	1541.25
8/31/2022	17:01:00	51.222	30.371	3.56	30.2	7.78	1541.25
8/31/2022	17:01:00	51.222	30.37	3.6	30.2	7.78	1541.25
8/31/2022	17:01:00	51.222	30.37	3.67	30.2	7.78	1541.25
8/31/2022	17:01:00	51.223	30.369	3.71	30.2	7.78	1541.25
8/31/2022	17:01:00	51.226	30.367	3.75	30.2	7.78	1541.25
8/31/2022	17:01:01	51.226	30.366	3.79	30.2	7.78	1541.25
8/31/2022	17:01:01	51.227	30.365	3.82	30.2	7.78	1541.25
8/31/2022	17:01:01	51.227	30.364	3.87	30.2	7.78	1541.25
8/31/2022	17:01:01	51.227	30.363	3.91	30.2	7.78	1541.25
8/31/2022	17:01:01	51.227	30.363	3.94	30.2	7.78	1541.25
8/31/2022	17:01:01	51.228	30.364	3.96	30.2	7.78	1541.25
8/31/2022	17:01:01	51.229	30.364	4	30.2	7.78	1541.25
8/31/2022	17:01:01	51.232	30.362	4.02	30.2	7.78	1541.25
8/31/2022	17:01:01	51.238	30.359	4.06	30.2	7.75	1541.25
8/31/2022	17:01:01	51.241	30.356	4.08	30.2	7.78	1541.25
8/31/2022	17:01:01	51.248	30.351	4.11	30.2	7.75	1541.25
8/31/2022	17:01:01	51.252	30.346	4.16	30.2	7.78	1541.24
8/31/2022	17:01:01	51.259	30.341	4.19	30.2	7.78	1541.24
8/31/2022	17:01:01	51.27	30.33	4.24	30.2	7.78	1541.23
8/31/2022	17:01:01	51.281	30.319	4.3	30.2	7.78	1541.23
8/31/2022	17:01:01	51.281	30.316	4.35	30.2	7.78	1541.22
8/31/2022	17:01:01	51.282	30.312	4.39	30.2	7.78	1541.22

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	17:01:01	51.285	30.304	4.46	30.2	7.75	1541.21
8/31/2022	17:01:01	51.287	30.3	4.5	30.2	7.78	1541.21
8/31/2022	17:01:02	51.292	30.292	4.57	30.2	7.78	1541.2
8/31/2022	17:01:02	51.294	30.289	4.61	30.2	7.78	1541.2
8/31/2022	17:01:02	51.295	30.286	4.66	30.2	7.78	1541.19
8/31/2022	17:01:02	51.294	30.28	4.74	30.2	7.78	1541.19

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	18:00:22	52.027	30.786	1.05	30.8	7.75	1542.35
8/31/2022	18:00:22	52.025	30.786	1.08	30.8	7.75	1542.35
8/31/2022	18:00:22	52.025	30.786	1.12	30.8	7.75	1542.35
8/31/2022	18:00:22	52.025	30.786	1.15	30.8	7.75	1542.35
8/31/2022	18:00:22	52.026	30.788	1.19	30.8	7.75	1542.35
8/31/2022	18:00:22	52.027	30.788	1.22	30.8	7.75	1542.35
8/31/2022	18:00:22	52.027	30.789	1.27	30.8	7.75	1542.35
8/31/2022	18:00:22	52.026	30.788	1.31	30.8	7.75	1542.35
8/31/2022	18:00:22	52.026	30.788	1.38	30.8	7.75	1542.35
8/31/2022	18:00:22	52.025	30.788	1.42	30.8	7.75	1542.36
8/31/2022	18:00:23	52.025	30.787	1.48	30.8	7.75	1542.35
8/31/2022	18:00:23	52.025	30.786	1.52	30.8	7.75	1542.35
8/31/2022	18:00:23	52.025	30.787	1.55	30.8	7.75	1542.36
8/31/2022	18:00:23	52.025	30.786	1.61	30.8	7.75	1542.36
8/31/2022	18:00:23	52.027	30.788	1.64	30.8	7.75	1542.36
8/31/2022	18:00:23	52.027	30.788	1.68	30.8	7.75	1542.36
8/31/2022	18:00:23	52.027	30.788	1.7	30.8	7.75	1542.36
8/31/2022	18:00:23	52.027	30.788	1.73	30.8	7.75	1542.36
8/31/2022	18:00:23	52.024	30.786	1.74	30.8	7.75	1542.36
8/31/2022	18:00:23	52.023	30.784	1.76	30.8	7.75	1542.35
8/31/2022	18:00:23	52.022	30.782	1.77	30.8	7.75	1542.35
8/31/2022	18:00:23	52.02	30.782	1.78	30.8	7.75	1542.35
8/31/2022	18:00:23	52.02	30.782	1.78	30.8	7.75	1542.35
8/31/2022	18:00:23	52.02	30.784	1.79	30.8	7.75	1542.35
8/31/2022	18:00:23	52.02	30.784	1.82	30.8	7.75	1542.35
8/31/2022	18:00:23	52.021	30.784	1.84	30.8	7.75	1542.35
8/31/2022	18:00:23	52.022	30.783	1.88	30.8	7.75	1542.35
8/31/2022	18:00:23	52.022	30.782	1.91	30.8	7.75	1542.35
8/31/2022	18:00:23	52.022	30.778	1.94	30.8	7.75	1542.35
8/31/2022	18:00:24	52.022	30.777	1.99	30.8	7.75	1542.35
8/31/2022	18:00:24	52.02	30.776	2.05	30.8	7.75	1542.34
8/31/2022	18:00:24	52.02	30.775	2.09	30.8	7.75	1542.34
8/31/2022	18:00:24	52.021	30.775	2.16	30.8	7.75	1542.35
8/31/2022	18:00:24	52.021	30.775	2.21	30.8	7.75	1542.35
8/31/2022	18:00:24	52.02	30.777	2.25	30.8	7.75	1542.35
8/31/2022	18:00:24	52.021	30.777	2.32	30.8	7.75	1542.35
8/31/2022	18:00:24	52.022	30.778	2.36	30.8	7.75	1542.35
8/31/2022	18:00:24	52.02	30.777	2.43	30.8	7.75	1542.35
8/31/2022	18:00:24	52.019	30.777	2.46	30.8	7.75	1542.35
8/31/2022	18:00:24	52.018	30.776	2.51	30.8	7.75	1542.35
8/31/2022	18:00:24	52.016	30.775	2.57	30.8	7.75	1542.35
8/31/2022	18:00:24	52.017	30.775	2.61	30.8	7.75	1542.35

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	18:00:24	52.018	30.775	2.65	30.8	7.75	1542.35
8/31/2022	18:00:24	52.022	30.779	2.67	30.8	7.75	1542.36
8/31/2022	18:00:24	52.025	30.78	2.71	30.8	7.75	1542.36
8/31/2022	18:00:24	52.027	30.781	2.74	30.8	7.75	1542.37
8/31/2022	18:00:24	52.029	30.784	2.79	30.8	7.75	1542.37
8/31/2022	18:00:25	52.031	30.785	2.81	30.8	7.75	1542.38
8/31/2022	18:00:25	52.028	30.785	2.85	30.8	7.75	1542.38
8/31/2022	18:00:25	52.028	30.784	2.9	30.8	7.75	1542.38
8/31/2022	18:00:25	52.028	30.783	2.94	30.8	7.75	1542.37
8/31/2022	18:00:25	52.026	30.782	3	30.8	7.75	1542.37
8/31/2022	18:00:25	52.027	30.782	3.06	30.8	7.75	1542.37
8/31/2022	18:00:25	52.027	30.782	3.1	30.8	7.75	1542.37
8/31/2022	18:00:25	52.028	30.782	3.14	30.8	7.75	1542.38
8/31/2022	18:00:25	52.03	30.784	3.2	30.8	7.75	1542.38
8/31/2022	18:00:25	52.033	30.786	3.23	30.8	7.75	1542.39
8/31/2022	18:00:25	52.034	30.79	3.28	30.8	7.75	1542.39
8/31/2022	18:00:25	52.036	30.794	3.31	30.8	7.75	1542.4
8/31/2022	18:00:25	52.037	30.794	3.34	30.8	7.75	1542.4
8/31/2022	18:00:25	52.041	30.798	3.38	30.8	7.75	1542.41
8/31/2022	18:00:25	52.044	30.802	3.4	30.8	7.75	1542.42
8/31/2022	18:00:25	52.046	30.806	3.43	30.8	7.75	1542.43
8/31/2022	18:00:25	52.052	30.812	3.45	30.8	7.75	1542.44
8/31/2022	18:00:25	52.052	30.817	3.47	30.8	7.75	1542.45
8/31/2022	18:00:25	52.051	30.818	3.48	30.8	7.75	1542.45
8/31/2022	18:00:26	52.051	30.819	3.5	30.8	7.75	1542.45
8/31/2022	18:00:26	52.05	30.819	3.52	30.8	7.75	1542.45
8/31/2022	18:00:26	52.05	30.819	3.56	30.8	7.75	1542.45
8/31/2022	18:00:26	52.051	30.819	3.59	30.8	7.75	1542.45
8/31/2022	18:00:26	52.051	30.819	3.61	30.8	7.75	1542.45
8/31/2022	18:00:26	52.051	30.819	3.66	30.8	7.75	1542.45
8/31/2022	18:00:26	52.051	30.819	3.7	30.8	7.75	1542.45
8/31/2022	18:00:26	51.917	30.819	3.72	30.8	7.75	1542.36

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	18:58:06	50.95	30.437	1	30.1	7.75	1541.12
8/31/2022	18:58:06	50.95	30.437	1.05	30.1	7.75	1541.12
8/31/2022	18:58:06	50.949	30.437	1.08	30.1	7.75	1541.12
8/31/2022	18:58:06	50.949	30.437	1.13	30.1	7.75	1541.12
8/31/2022	18:58:06	50.948	30.437	1.16	30.1	7.75	1541.12
8/31/2022	18:58:06	50.949	30.439	1.19	30.1	7.75	1541.12
8/31/2022	18:58:06	50.95	30.44	1.24	30.1	7.75	1541.13
8/31/2022	18:58:07	50.95	30.44	1.26	30.1	7.75	1541.13
8/31/2022	18:58:07	50.952	30.441	1.29	30.1	7.75	1541.13
8/31/2022	18:58:07	50.954	30.442	1.32	30.1	7.75	1541.13
8/31/2022	18:58:07	50.958	30.441	1.33	30.1	7.75	1541.13
8/31/2022	18:58:07	50.961	30.44	1.35	30.1	7.75	1541.14
8/31/2022	18:58:07	50.963	30.439	1.36	30.1	7.75	1541.14
8/31/2022	18:58:07	50.962	30.438	1.36	30.1	7.75	1541.13
8/31/2022	18:58:07	50.961	30.438	1.37	30.1	7.75	1541.13
8/31/2022	18:58:07	50.959	30.439	1.38	30.1	7.75	1541.13
8/31/2022	18:58:07	50.958	30.44	1.38	30.1	7.75	1541.13
8/31/2022	18:58:07	50.956	30.441	1.38	30.1	7.75	1541.13
8/31/2022	18:58:07	50.955	30.441	1.39	30.1	7.75	1541.13
8/31/2022	18:58:07	50.952	30.442	1.39	30.1	7.75	1541.13
8/31/2022	18:58:07	50.952	30.441	1.39	30.1	7.75	1541.13
8/31/2022	18:58:07	50.954	30.44	1.4	30.1	7.75	1541.13
8/31/2022	18:58:07	50.958	30.437	1.4	30.1	7.75	1541.13
8/31/2022	18:58:07	50.961	30.435	1.4	30.1	7.75	1541.13
8/31/2022	18:58:07	50.961	30.436	1.4	30.1	7.75	1541.13
8/31/2022	18:58:08	50.961	30.439	1.4	30.1	7.75	1541.13
8/31/2022	18:58:08	50.957	30.441	1.41	30.1	7.75	1541.13
8/31/2022	18:58:08	50.958	30.442	1.42	30.1	7.75	1541.14
8/31/2022	18:58:08	50.958	30.441	1.42	30.1	7.75	1541.14
8/31/2022	18:58:08	50.958	30.441	1.43	30.1	7.75	1541.14
8/31/2022	18:58:08	50.96	30.44	1.44	30.1	7.75	1541.14
8/31/2022	18:58:08	50.96	30.439	1.45	30.1	7.75	1541.13
8/31/2022	18:58:08	50.961	30.437	1.46	30.1	7.75	1541.13
8/31/2022	18:58:08	50.963	30.434	1.47	30.1	7.75	1541.13
8/31/2022	18:58:08	50.965	30.433	1.47	30.1	7.75	1541.13
8/31/2022	18:58:08	50.972	30.431	1.47	30.1	7.72	1541.13
8/31/2022	18:58:08	50.976	30.43	1.47	30.1	7.75	1541.13
8/31/2022	18:58:08	50.987	30.426	1.47	30.1	7.75	1541.13
8/31/2022	18:58:08	50.991	30.423	1.48	30.1	7.75	1541.13
8/31/2022	18:58:08	50.993	30.421	1.5	30.1	7.75	1541.13
8/31/2022	18:58:08	50.994	30.42	1.52	30.1	7.75	1541.13
8/31/2022	18:58:08	51	30.42	1.54	30.1	7.75	1541.14

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	18:58:08	51.024	30.415	1.56	30.1	7.75	1541.15
8/31/2022	18:58:08	51.042	30.407	1.58	30.1	7.75	1541.15
8/31/2022	18:58:09	51.063	30.4	1.6	30.1	7.75	1541.15
8/31/2022	18:58:09	51.103	30.386	1.62	30.1	7.75	1541.16
8/31/2022	18:58:09	51.125	30.376	1.63	30.1	7.75	1541.16
8/31/2022	18:58:09	51.132	30.372	1.64	30.1	7.75	1541.16
8/31/2022	18:58:09	51.136	30.367	1.65	30.1	7.75	1541.15
8/31/2022	18:58:09	51.135	30.363	1.67	30.1	7.75	1541.15
8/31/2022	18:58:09	51.131	30.363	1.7	30.1	7.75	1541.14
8/31/2022	18:58:09	51.12	30.366	1.71	30.1	7.75	1541.14
8/31/2022	18:58:09	51.114	30.369	1.73	30.1	7.75	1541.14
8/31/2022	18:58:09	51.105	30.373	1.74	30.1	7.75	1541.14
8/31/2022	18:58:09	51.105	30.375	1.76	30.1	7.75	1541.14
8/31/2022	18:58:09	51.108	30.375	1.78	30.1	7.75	1541.15
8/31/2022	18:58:09	51.12	30.373	1.81	30.1	7.75	1541.15
8/31/2022	18:58:09	51.128	30.372	1.83	30.1	7.75	1541.16
8/31/2022	18:58:09	51.149	30.368	1.85	30.1	7.75	1541.17
8/31/2022	18:58:09	51.166	30.365	1.86	30.1	7.75	1541.17
8/31/2022	18:58:09	51.204	30.357	1.88	30.1	7.75	1541.19
8/31/2022	18:58:09	51.221	30.353	1.9	30.1	7.75	1541.19
8/31/2022	18:58:10	51.248	30.348	1.92	30.1	7.75	1541.21
8/31/2022	18:58:10	51.256	30.345	1.94	30.1	7.75	1541.21
8/31/2022	18:58:10	51.261	30.342	1.95	30.1	7.75	1541.21
8/31/2022	18:58:10	51.275	30.338	1.96	30.1	7.75	1541.21
8/31/2022	18:58:10	51.281	30.336	1.98	30.1	7.75	1541.21
8/31/2022	18:58:10	51.291	30.333	2	30.1	7.75	1541.22
8/31/2022	18:58:10	51.293	30.332	2.01	30.1	7.75	1541.21
8/31/2022	18:58:10	51.293	30.331	2.04	30.1	7.75	1541.21
8/31/2022	18:58:10	51.291	30.331	2.05	30.1	7.75	1541.21
8/31/2022	18:58:10	51.292	30.329	2.07	30.1	7.75	1541.21
8/31/2022	18:58:10	51.295	30.328	2.1	30.1	7.75	1541.21
8/31/2022	18:58:10	51.301	30.327	2.12	30.1	7.75	1541.22
8/31/2022	18:58:10	51.318	30.324	2.14	30.1	7.75	1541.22
8/31/2022	18:58:10	51.326	30.322	2.15	30.1	7.75	1541.23
8/31/2022	18:58:10	51.339	30.32	2.16	30.1	7.75	1541.23
8/31/2022	18:58:10	51.342	30.32	2.18	30.1	7.72	1541.23
8/31/2022	18:58:10	51.343	30.321	2.19	30.1	7.75	1541.24
8/31/2022	18:58:10	51.348	30.321	2.21	30.1	7.72	1541.24
8/31/2022	18:58:10	51.352	30.319	2.23	30.1	7.75	1541.24
8/31/2022	18:58:11	51.354	30.318	2.24	30.1	7.75	1541.24
8/31/2022	18:58:11	51.355	30.318	2.26	30.1	7.75	1541.24
8/31/2022	18:58:11	51.369	30.316	2.29	30.1	7.75	1541.25

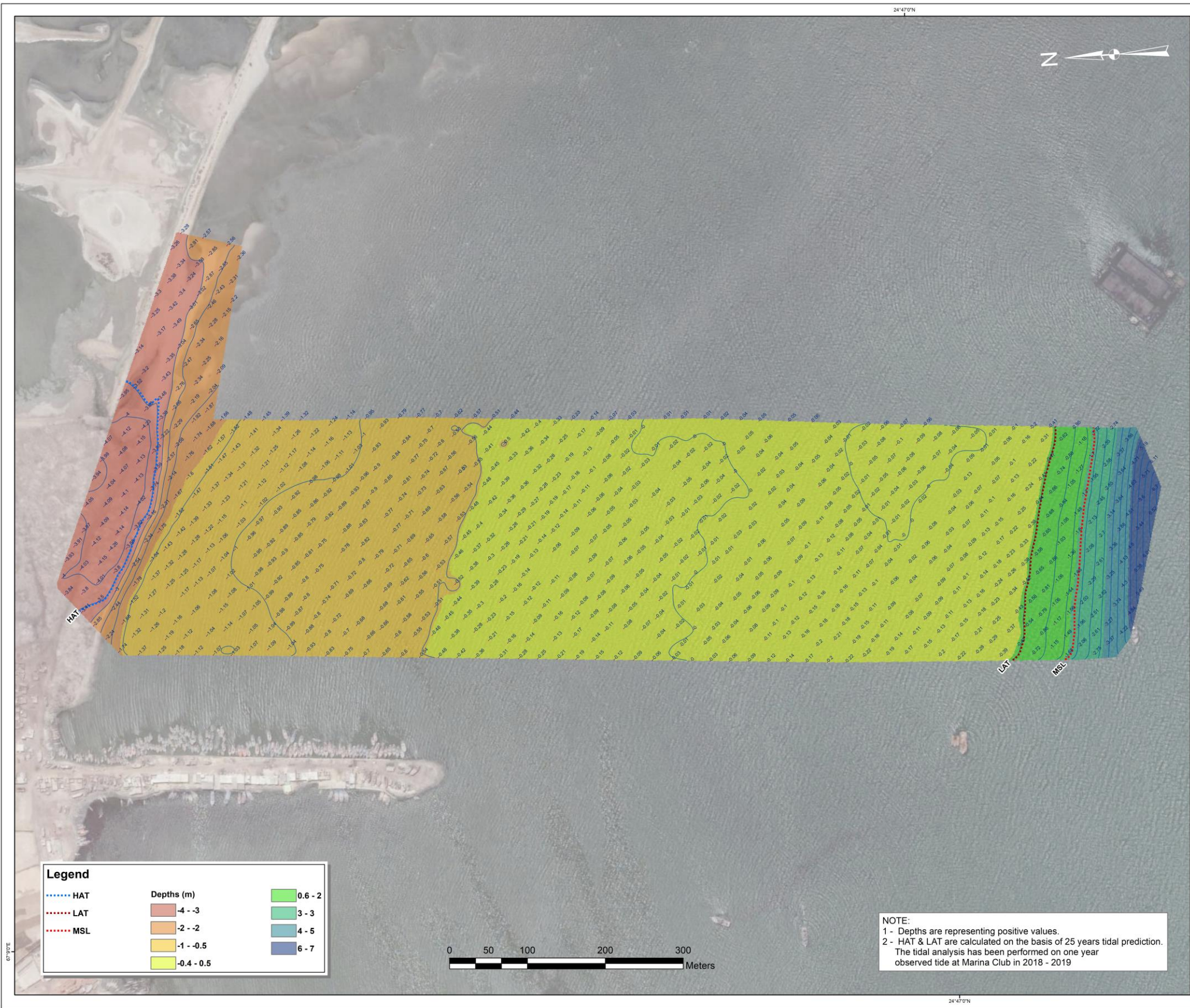
CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	18:58:11	51.383	30.314	2.31	30.1	7.75	1541.26
8/31/2022	18:58:11	51.419	30.31	2.33	30.1	7.75	1541.27
8/31/2022	18:58:11	51.438	30.308	2.35	30.1	7.72	1541.28
8/31/2022	18:58:11	51.453	30.305	2.38	30.1	7.75	1541.29
8/31/2022	18:58:11	51.471	30.301	2.4	30.1	7.75	1541.3
8/31/2022	18:58:11	51.475	30.299	2.42	30.1	7.75	1541.3
8/31/2022	18:58:11	51.48	30.296	2.46	30.1	7.72	1541.3
8/31/2022	18:58:11	51.482	30.295	2.49	30.1	7.75	1541.3
8/31/2022	18:58:11	51.484	30.295	2.51	30.1	7.75	1541.3
8/31/2022	18:58:11	51.487	30.294	2.54	30.1	7.75	1541.3
8/31/2022	18:58:11	51.497	30.294	2.56	30.1	7.75	1541.31
8/31/2022	18:58:11	51.508	30.295	2.59	30.1	7.75	1541.32
8/31/2022	18:58:11	51.527	30.295	2.63	30.1	7.72	1541.33
8/31/2022	18:58:11	51.567	30.299	2.65	30.1	7.75	1541.36
8/31/2022	18:58:11	51.588	30.301	2.69	30.1	7.75	1541.38
8/31/2022	18:58:11	51.623	30.304	2.72	30.1	7.75	1541.41
8/31/2022	18:58:12	51.629	30.305	2.75	30.1	7.75	1541.42
8/31/2022	18:58:12	51.638	30.306	2.8	30.1	7.75	1541.43
8/31/2022	18:58:12	51.647	30.306	2.84	30.1	7.75	1541.43
8/31/2022	18:58:12	51.68	30.309	2.87	30.1	7.75	1541.46
8/31/2022	18:58:12	51.712	30.312	2.92	30.1	7.72	1541.49
8/31/2022	18:58:12	51.783	30.318	2.95	30.6	7.75	1541.54
8/31/2022	18:58:12	51.814	30.322	2.98	30.6	7.75	1541.57
8/31/2022	18:58:12	51.836	30.326	3.01	30.6	7.75	1541.59
8/31/2022	18:58:12	51.875	30.333	3.04	30.6	7.75	1541.63
8/31/2022	18:58:12	51.886	30.336	3.08	30.6	7.75	1541.64
8/31/2022	18:58:12	51.912	30.341	3.11	30.6	7.75	1541.67
8/31/2022	18:58:12	51.926	30.343	3.14	30.6	7.75	1541.68
8/31/2022	18:58:12	51.935	30.346	3.17	30.6	7.75	1541.69
8/31/2022	18:58:12	51.945	30.349	3.21	30.6	7.72	1541.7
8/31/2022	18:58:12	51.952	30.352	3.23	30.6	7.72	1541.71
8/31/2022	18:58:12	51.956	30.353	3.26	30.6	7.75	1541.72
8/31/2022	18:58:12	51.961	30.354	3.28	30.6	7.75	1541.72
8/31/2022	18:58:12	51.974	30.357	3.31	30.6	7.75	1541.74
8/31/2022	18:58:13	51.982	30.358	3.33	30.6	7.75	1541.74
8/31/2022	18:58:13	51.996	30.359	3.35	30.6	7.75	1541.76
8/31/2022	18:58:13	52.004	30.36	3.38	30.6	7.75	1541.76
8/31/2022	18:58:13	52.011	30.361	3.4	30.6	7.72	1541.77
8/31/2022	18:58:13	52.021	30.362	3.43	30.6	7.75	1541.78
8/31/2022	18:58:13	52.025	30.363	3.46	30.6	7.75	1541.78
8/31/2022	18:58:13	52.034	30.364	3.49	30.6	7.75	1541.79
8/31/2022	18:58:13	52.038	30.364	3.52	30.6	7.72	1541.79

CTD Measurments							
Observer:	Khurshid						
Location:	E 313402 N 2741987						
Season	Summer Moonson (Rainy Season)						
Date	Time	Conductivity (mS/cm)	Temperature (C)	Depth (m)	Salinity (PSU)	Battery (V)	Calc. SV (m/s)
8/31/2022	18:58:13	52.046	30.365	3.55	30.6	7.75	1541.8
8/31/2022	18:58:13	52.049	30.366	3.58	30.6	7.75	1541.8
8/31/2022	18:58:13	52.055	30.366	3.62	30.6	7.75	1541.81
8/31/2022	18:58:13	52.06	30.366	3.64	30.6	7.75	1541.81
8/31/2022	18:58:13	52.066	30.365	3.66	30.6	7.75	1541.82
8/31/2022	18:58:13	52.077	30.366	3.7	30.6	7.75	1541.83
8/31/2022	18:58:13	52.082	30.367	3.73	30.6	7.72	1541.83
8/31/2022	18:58:13	52.09	30.368	3.77	30.6	7.72	1541.84
8/31/2022	18:58:13	52.092	30.369	3.8	30.6	7.75	1541.84
8/31/2022	18:58:13	52.097	30.368	3.84	30.6	7.75	1541.85
8/31/2022	18:58:13	52.098	30.368	3.88	30.6	7.72	1541.85
8/31/2022	18:58:14	52.095	30.369	3.89	30.6	7.72	1541.85
8/31/2022	18:58:14	51.643	30.369	3.9	30.6	7.75	1541.54


Annexure-B

Bathymetric and Beach Profile

Drawing No. G-001:	Depth Representation with reference to Chart Datum (CD)
Drawing No. G-002:	Depth Representation with reference to Lowest Astronomical Tide (LAT)
Drawing No. G-003:	Depth Representative with reference to Highest Astronomical Tide (HAT)



Key Plan



Pakistan East Coast
Bathymetric Survey (North East of Ibrahim Hyderi)

Date of Survey
Single Beam : 16-31 August 2022

Datum Projection Parameters

Datum Name: WGS - 84
Ellipsoid: 6378137.00 m
Ellipsoid 1/F: 298.2572235630
Projection : UTM Zone 42N
False Easting: 500,000

Horizontal & Vertical Control:
Base Point = Marina
N 24°47'44.16940" E 67°04'48.98814" Elp. Ht. -35.679m
UTM = N 2743679.211, E 305938.104
Height: 9.981m above CD

Base Point = KWSSB (BM-1)
N 24°47'34.65163" E 67°09'21.90531" Elp. Ht. -41.411
UTM = N 2743280.751, E 313599.454
Height : 4.249m above CD

Equipment Details

Survey Boat, Single Beam Echosounder SB,
Dual Frequency GPS

Data Processing

Single Beam: Line Interval 25m
Trajectory : Precise Positioning Calculation
Data Cleaning: Hypack Max
Data Presentation: ArcGIS

Weather During Conduct of Survey

Wind Direction = W / SW
Wind Speed = 02 to 08 Kts
Sea State = 1-2
Swell Height = 0.01 - 0.5m


Tidal Statistics

HAT: 3.47 m LAT: -0.51 m
MHWS: 3.03 m MHWN: 2.35 m
MLWN: 1.28 m MLWS: 0.61 m


Accuracy : As per IHO S44 Standards

Rev.	Drawn	Checked	Date

Client:



Consultant:



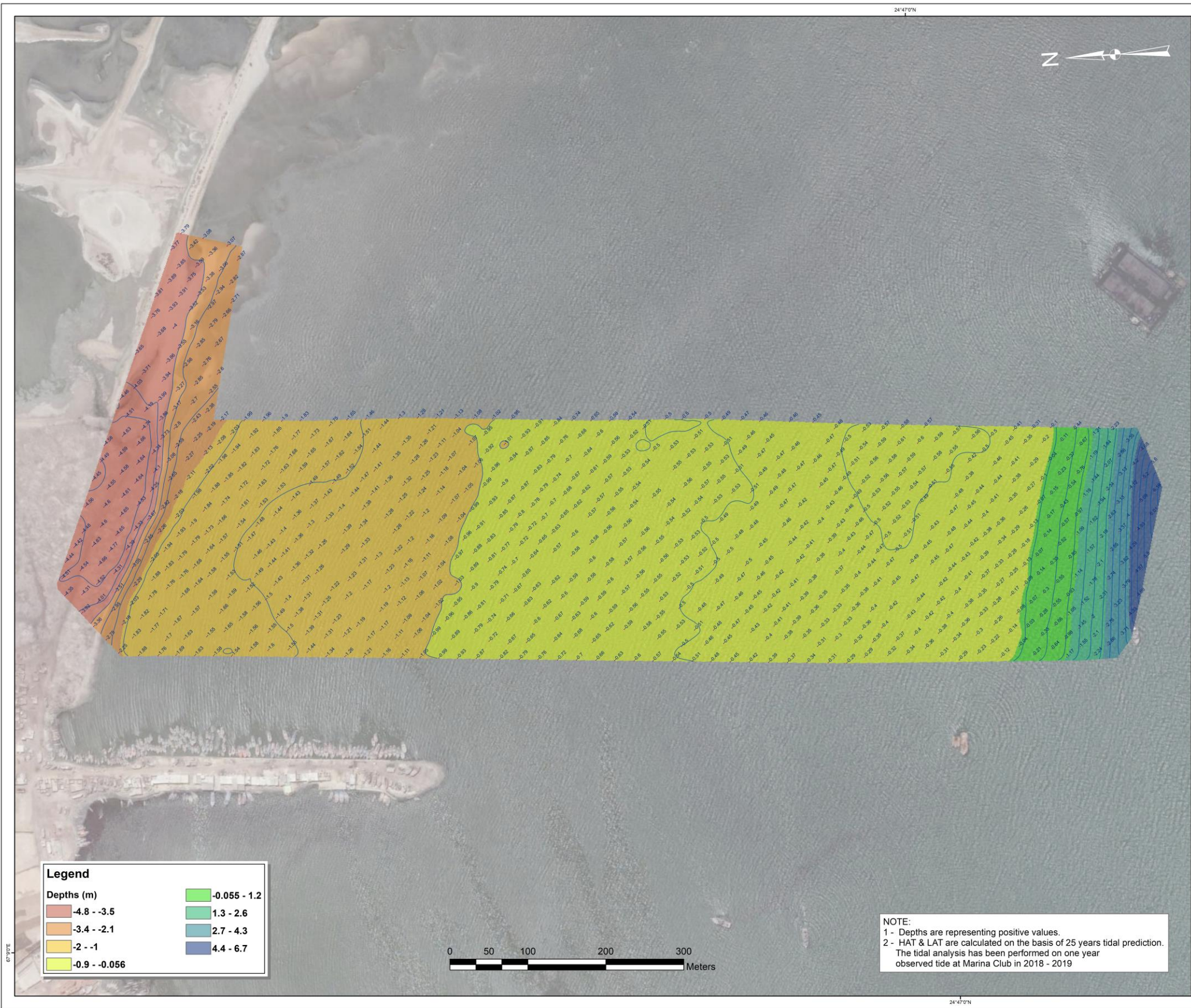
Project:

Feasibility Study & Transaction Advisory
Services for Development of 5 MGD
Desalination Project Under
The Public-Private Partnership Mode

Subject:

Bathymetry Chart
Depth Representation with Reference to
Chart Datum (CD)

Size	Scale	Project number	Drawing No.
A1	1:2,200	ED-GIS-262	G-001



Key Plan



Pakistan East Coast
Bathymetric Survey (North East of Ibrahim Hyderi)

Date of Survey

Single Beam : 16-31 August 2022

Datum Projection Parameters

Datum Name: WGS - 84
Ellipsoid: 6378137.00 m
Ellipsoid 1/F: 298.2572235630
Projection : UTM Zone 42N
False Easting: 500,000

Horizontal & Vertical Control:
Base Point = Marina
N 24°47'44.16940" E 67°04'48.98814" Elp. Ht. -35.679m
UTM = N 2743679.211, E 305938.104
Height: 9.981m above CD

Base Point = KWSSB (BM-1)
N 24°47'34.65163" E 67°09'21.90531" Elp. Ht. -41.411
UTM = N 2743280.751, E 313599.454
Height : 4.249m above CD

Equipment Details

Survey Boat, Single Beam Echosounder SB,
Dual Frequency GPS

Data Processing

Single Beam: Line Interval 25m
Trajectory : Precise Positioning Calculation
Data Cleaning: Hypack Max
Data Presentation: ArcGIS

Weather During Conduct of Survey

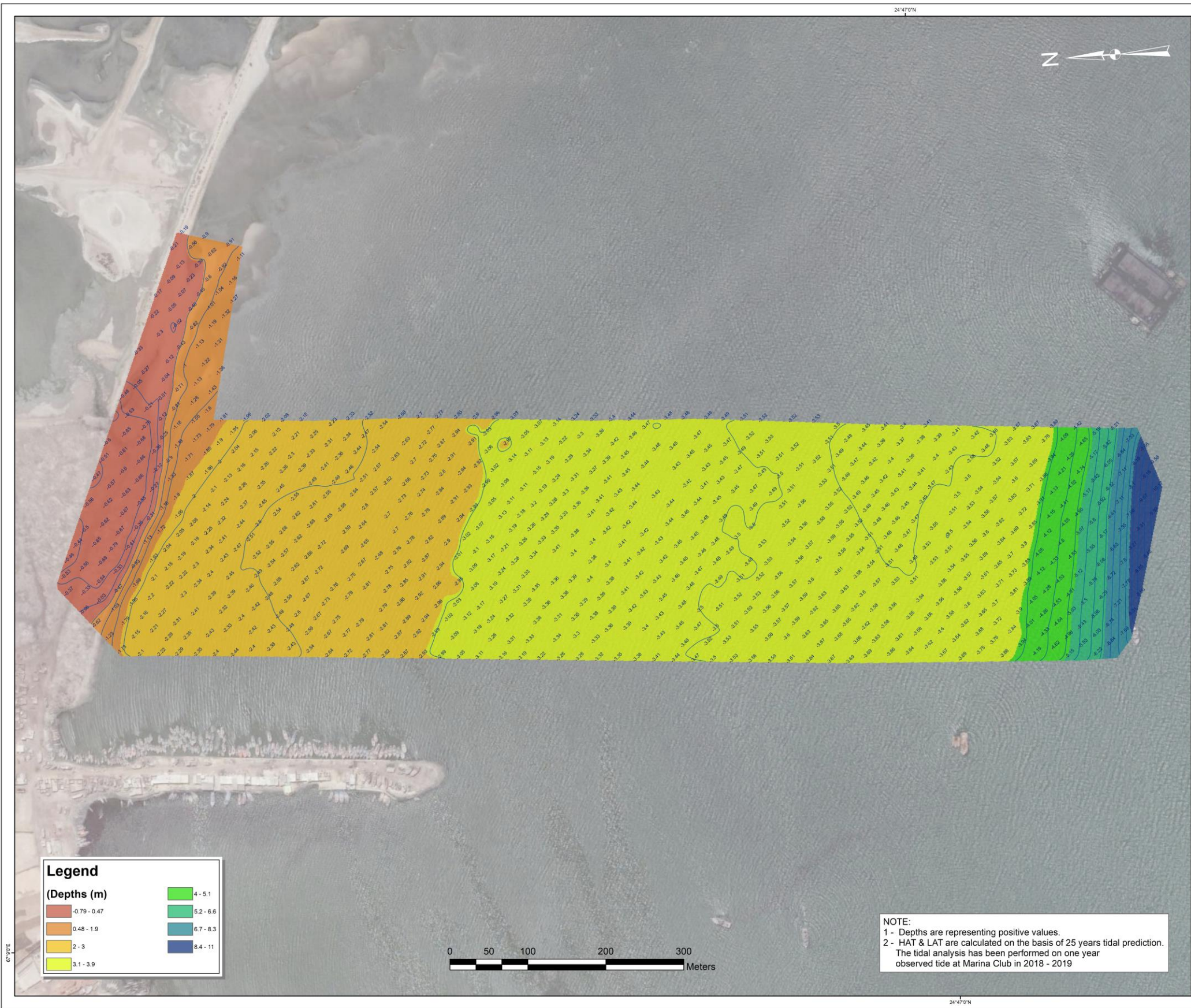
Wind Direction = W / SW
Wind Speed = 02 to 08 Kts
Sea State = 1-2
Swell Height = 0.01 - 0.5m

Tidal Statistics

HAT: 3.47 m LAT: -0.51 m
MHWS: 3.03 m MHWN: 2.35 m
MLWN: 1.28 m MLWS: 0.61 m

Accuracy : As per IHO S44 Standards

Rev.		Drawn	Checked	Date
Client:				
Consultant:				
Project:	Feasibility Study & Transaction Advisory Services for Development of 5 MGD Desalination Project Under The Public-Private Partnership Mode			
Subject:	Bathymetry Chart Depth Representation with Reference to Lowest Astronomical Tide (LAT)			
Size	Scale	Project number	Drawing No.	
A1	1:2,200	ED-GIS-262	G-002	



Key Plan



Pakistan East Coast Bathymetric Survey (North East of Ibrahim Hyderi)

Date of Survey

Single Beam : 16-31 August 2022

Datum Projection Parameters

Datum Name: WGS - 84
Ellipsoid: 6378137.00 m
Ellipsoid 1/F: 298.2572235630
Projection : UTM Zone 42N
False Easting: 500,000

Horizontal & Vertical Control:
Base Point = Marina
N 24°47'44.16940" E 67°04'48.98814" Elp. Ht. -35.679m
UTM = N 2743679.211, E 305938.104
Height: 9.981m above CD

Base Point = KWSS (BM-1)
N 24°47'34.65163" E 67°09'21.90531" Elp. Ht. -41.411
UTM = N 2743280.751, E 313599.454
Height : 4.249m above CD

Equipment Details

Survey Boat, Single Beam Echosounder SB,
Dual Frequency GPS

Data Processing

Single Beam: Line Interval 25m
Trajectory : Precise Positioning Calculation
Data Cleaning: Hypack Max
Data Presentation: ArcGIS

Weather During Conduct of Survey

Wind Direction = W / SW
Wind Speed = 02 to 08 Kts
Sea State = 1-2
Swell Height = 0.01 - 0.5m

Tidal Statistics

HAT: 3.47 m LAT: -0.51 m
MHWS: 3.03 m MHWN: 2.35 m
MLWN: 1.28 m MLWS: 0.61 m

Accuracy : As per IHO S44 Standards

Rev.	Drawn	Checked	Date
Client:			
Consultant:			
Project:			
Feasibility Study & Transaction Advisory Services for Development of 5 MGD Desalination Project Under The Public-Private Partnership Mode			
Subject:			
Bathymetry Chart Depth Representation with Reference to Highest Astronomical Tide (HAT)			
Size	Scale	Project number	Drawing No.
A1	1:2,200	ED-GIS-262	G-003