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APPENDICES

APPENDIX I

Terms Used in Soil Characteristic Description.

Effective Soil Depth : Refers to the rooting zone where the limiting depth is a lithic contact, paralithic contact, petroferric layer or hard pan, through which it is very difficult or impossible for roots to penetrate. Range of depth ratings is as follows :

<u>Rating</u>	<u>Range (cm)</u>
Very shallow	< 25
Shallow	25 - 50
Moderately deep	50 - 100
Deep	100 - 150
Very deep	> 150

Structure : Structure is described following standard terms as defined in USDA Soil Survey Manual, with one exception : the term "blocky" is used for both angular and subangular blocky.

Drainage : also described by USDA method.:

Permeability : Based on field observations of soil profile - least permeable horizon of the solum or immediate substratum determines permeability of the soil. Definition of ratings is as follows :

Slow : soils expected to have hydraulic conductivity of less than 0.5 cm/h

Moderate : soils expected to have hydraulic conductivity between 0.5 - 15 cm/h

Fast : soils expected to have hydraulic conductivity of more than 15 cm/h

Surface-Runoff : Estimations based on characteristics of the soil profile, soil slope, climate and vegetation cover. Definition of rating is as follows :

Slow : surface water flows away so very slowly that free water lies on the surface for considerable periods of time or immediately enters the soil. Much of water either passes through the soil or is loss to evaporation. Soils with slow runoff are subject to little or no erosion hazard.

Medium : surface water flows away at such a rate that a moderate amount of water enters the soil profile and free water lies on the soil surface for only short periods. Most of the precipitation is (a) absorbed by the soil and used for plant growth, or (b) moved downwards into underground channels with medium runoff the loss of water

over the surface does not seriously reduce the supply available for plant growth. Erosion hazards can be expected to be slight or moderate if such soils are cultivated.

Rapid : A large or very large proportion of the precipitation moves rapidly over the surface of the soil and very little moves through the soil profile. Surface water moves as fast or almost as fast off the soil as it is added to the soil. Erosion hazard is moderate, high or very high.

Period of Water Saturation : indicates the length of time that the soil surface and/or subsurface is at or above field capacity. Saturation by rainwater, seepage, river water or seawater; but not by irrigation water.

Organic Matter (% carbon X 1.724) : Standard ratings are as follows :
(USDA)

<u>Rating</u>	<u>Range (%)</u>
Very low	< 0.5
Low	0.5 - 1.0
Moderately low	1.0 - 1.5
Medium	1.5 - 2.5
Moderately high	2.5 - 3.5
High	3.5 - 4.5
Very high	> 4.5

Available Phosphorus (ppm of P) Bray No.2 : Standard ratings are as follows : (USDA)

<u>Rating</u>	<u>Range (ppm)</u>
Very low	< 3
Low	3 - 6
Moderately low	6 - 10
Medium	10 - 15
Moderately high	15 - 25
High	25 - 45
Very high	> 45

Available Potassium (ppm of K) Ammonium Acetate : Standard ratings are as follows : (USDA)

<u>Rating</u>	<u>Range (ppm)</u>
Very low	< 30
Low	30 - 60
Medium	60 - 90
High	90 - 120
Very high	> 120

APPENDIX II

Glossary of terms

(From Gray, M. and et al. (eds.), 1975 and Russel, R.J. (ed.), 1968)

Alluvial (ore dep) : Said of a placer formed by the action of running water; also, said of the valuable mineral, e.g. gold or diamond, associated with an alluvial placer.

Alluvial plain : A level or gently sloping tract or a slightly undulating land surface produced by extensive deposition of alluvium, usually adjacent to a river that periodically overflows its banks; it may be situated on a flood plain, a delta or an alluvial fan.

basin : A low area toward which streams flow from natural levees, adjacent hills, etc. Ordinary open toward the sea, a bay or downstream outlet, but without outlet in arid regions and mountainous areas where it is completely surrounded by higher land. In a broader sense, the entire area contributing water to a river system, etc.

Bench Mark : A fixed point of known elevation, ordinarily permanent and related to sea level.

Canal : Ordinarily, a man-made excavation connecting streams or bodies of water for purposes such as navigation, drainage or irrigation.

Catchment area : Watershed; area contributing water (mainly derived from precipitation) to a river system (or any of its parts), lake, or other waterbody or aquifer.

Chart : Map, especially of oceans or seas with or without land along adjacent coasts, primarily intend for purposes of navigation. If land is included, topographic features commonly are conventionalized, emphazizing objects along the coast which may be visible from ships.

Clay : Geologists use the term to designate the finest sediment grains, a size maller than silt which is arbitrarily set in most cases in a range centering on about 0.002 mm diameter.

Coastal plain : Relatively flat land extending back from the sea, ordinarily to some prominent topographic rise.

Cut off lake : Abandoned portion of a river channel originally flowing around a meander loop, after the river course has been shortened by a neck cutoff. Also called oxbow lake, and in some cases, bayou.

Datum : Point or level of reference, such as mean sea level or elevation above or below it of some arbitrary point.

Delta : The area of land created by deposition where streams enter bodies of water such as lakes, estuaries or the sea.

Discharge : Quantity of water moving along a channel, commonly measured in terms of cubic feet (meter) per second passing some specific cross section of the channel.

Drainage basin : Watershed.

Ebb : To move outward and downward, as a falling tide, as opposed to flood; decrease in intensity, etc. : description of a tide between high and succeeding low water.

Echo sounding : Measuring depth by timing the interval between emission and return of sonic or ultrasonic waves.

Estuary : Drowned river mouth in most cases, especially where the shoreline penetrates considerable distance inland. Ordinarily implying some intrusion of brackish or saline water. Originally, tidal influences were regarded as essential, but the tendency has been to broaden the meaning of the term to include examples in which tidal influences are negligible or even absent. Unfortunately, the term is sometimes extended to mean bodies of water separated from the sea by islands of any origin. Bays with arms extending along drowned stream valleys are included, as well as valleys deepened by ice scour, as in the case of fjords of Norway, etc.

Fault : Fracture in rock accompanied by lateral or vertical displacement of a block on one side relative to that on the

other. This occurs on a fault plane (or surface) and may be traced on the earth's surface as a faultline.

Flood : Higher stages of river regime; incoming or rising tide; also many other meanings.

Flood plain : The surface of sediment deposited by a stream after it becomes land. Flood plains are the result of alluviation.

Geomorphology : Earth science concerned with forms on the earth's surface and changes taking place as landforms develop, drawing upon conclusions of geographic, geologic, pedologic, climatologic, hydraulic, and other disciplines. Formerly called physiography when its emphasis was mainly on processes of degradation of the surface.

Geosyncline : An elongate large area downwarped structurally in which sedimentary rocks accumulate in great thickness, whether actively forming or preserved in older rocks.

Hydrology : Science relating to the description of bodies of water as distributed over the earth, in oceans, lakes, streams, underground, etc., with emphasis on changes resulting from increases or decreases in water volumes.

in situ : Commonly used latin term meaning in place (especially in natural or original position).

Intertidal : Between high and low water marks, indicating the tidal range along a coast.

- Mangrove : One of several genera of tropical trees or shrubs characteristic of many tropical and subtropical coasts, that are very tolerant of saline water with which they come into contact. In most examples mangroves grow in close formation, forming swamps that are difficult to cross.
- Marsh : Strictly, a low, relatively flat area which is wet for appreciable periods and commonly contains considerable water surface, supporting widespread vegetational cover of grass and other plants smaller than trees or large bushes.
- Meander pattern : Stream pattern in which sinuosities have developed as a result of the process of meandering, whether active or abandoned.
- Mudflat : Deposit of ooze, clay, silt, etc., to water level along a shore. If tidal range is appreciable, the flat is ordinarily submerged at high tide. Also, similar deposits elsewhere, as along stream banks or in lower parts of basins.
- Oceanography : Science involving study of the oceans - physical and chemical characteristics, marine biology, ocean bottoms and boundaries, etc.
- Offshore : Comparatively flat zone extending in from the edge of the continental shelf and variously defined as to inland extend,

ordinarily as far as the slope of beach, more generally, away from the shoreline toward the body of water it faces, whether sea or land. Also, away from coast.

Precipitation : As used in meteorology, descending drops of water or aggregations of ice crystals; also, the amount involved.

Reach : Segment of channel between bends, especially along meandering channels. In a broader sense the term is used to describe greater distances along stream courses that are more or less unified by some characteristics.

Reconnaissance : Preliminary survey, primarily for acquiring gross relationships, appraising desirability of more intensive study, etc.

Salinity : Weight ratio between dissolved salts and water containing them, commonly expressed in parts per thousand (%).

Salt Marsh : Comparatively flat coastal tracts commonly flooded at high tide and covered with grass, sedges, etc. and other plants that are able to tolerate the degree of salinity present.

Silt : Discrete rock or mineral particles smaller than sand, ordinarily varying in diameter from about 0.06 to 0.002 mm (depending on a scheme of classification used).

Station : A place where some scientific observation is made.

Suspended load : Solid materials carried by currents (air or water) in stream channels, grading down into coarser or heavier bed load. Distinguished from floating load, which is more permanently suspended.

Tidal Flat : Flat area exposed during low tide and covered when the tide rises.

Topography : Configuration of a surface; specifically, the surface of the land or bottom of a waterbody.

Tributary : Branch or smaller stream that flows into a large one or into a lake or other waterbody.

APPENDIX III

Tide Tables at Tha Chin river during sampling cruise (after Hydrographic Department, 1979)

Heights of water in decimeters (Tidal datum is 1.64 m below M.S.L.)

Month and date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Survey I																								
19/3/79	24	21	20	21	23	26	29	31	32	31	28	23	19	15	13	13	15	19	23	27	30	31	31	29
20/3/79	27	24	23	23	24	26	29	31	32	31	28	25	20	16	13	12	13	16	19	23	24	29	30	30
21/3/79	29	27	25	25	25	27	29	30	31	31	29	26	22	18	15	13	12	14	16	20	23	26	28	29
Survey II																								
25/8/79	20	19	19	21	24	26	28	27	25	21	17	13	11	10	12	15	20	25	29	32	32	30	27	23
26/8/79	20	18	18	19	22	25	27	28	27	24	20	16	13	11	12	15	19	24	28	31	32	30	27	24
27/8/79	20	17	16	17	20	23	26	28	28	26	23	19	16	13	13	15	18	22	26	30	31	30	28	24
Survey III																								
18/12/79	14	17	21	26	29	32	33	32	31	29	28	27	28	28	30	30	30	28	25	21	17	13	10	9
19/12/79	10	14	18	24	29	32	35	35	34	32	30	28	27	28	29	30	30	29	27	23	18	13	9	7
20/12/79	7	10	15	21	27	32	35	37	36	34	32	29	28	28	28	30	31	30	29	25	21	15	10	7
21/12/79	5	7	11	17	23	30	35	37	38	37	34	31	29	28	28	29	30	31	30	28	23	18	12	8

APPENDIX IV

Abbreviations

D.O. (% sat.)	- Dissolved oxygen in percent saturation.
pH	- pH of water samples.
S%	- Salinity of water sample.
T°c	- Temperature of water samples in degree celcius.
C. speed [*]	- Measured current speed in meter per second.
C. speed ⁺	- Normalized current speed in meter per second.
	(S = current flows in seaward direction, L = currents flow in landward direction).
C. direction	- Measured current direction in degree from magnetic north.
SSC	- Suspended sediment concentration in milligram per litre.
T.O.C.	- Percent of total organic carbon content of dried weight sediment sample
CO ₃ .C (%)	- Percent of carbonate carbon content of dried weight sediment sample.
Depth	- in meter (lead and line method)..

Traverse direction N 089° E

Station		T1-1		T1-2		T1-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	-	90.1	-	80.2	-	82.1
	pH	-	8.2	7.6	8.1	7.6	8.0
	S%	-	30.0	27.77	30.0	28.4	29.62
	T°c	-	30.35	30.9	30.0	30.94	30
	C.speed*	-	0.075	0.8	0.3	-	0.15
	C.speed ⁺	-	S 0.075	S 0.524	S 0.082	-	S 0.147
	C.direction	-	180	130	105	-	190
	SSC(mg/l)	-	111.58	176.6	109.53	215.11	85.79
L1	D.O. (% sat)	-	-	-	61.7	-	-
	pH	7.8	-	-	8.1	-	-
	S%	29.36	-	27.8	22.6	-	-
	T°c	32.17	-	30.9	29.77	-	-
	C.speed*	0.5	-	-	0.25	0.25	-
	C.speed ⁺	S 0.047	-	-	S 0.243	S 0.129	-
	C.direction	160	-	-	165	120	-
	SSC(mg/l)	483.20	-	-	96.34	-	-
L2	D.O. (% sat)	-	88.9	-	-	-	77.2
	pH	-	8.1	7.6	8.1	7.5	8.1
	S%	-	30.1	24.8	22.5	28.43	29.62
	T°c	-	29.92	30.9	29.8	30.09	29.9
	C.speed*	-	0.3	0.5	0.25	-	0.25
	C.speed ⁺	-	S 0.215	S 0.389	S 0.247	-	S 0.25
	C.direction	-	135	140	170	-	180
	SSC(mg/l)	-	554.65	308.05	-	726.5	78.21
	T.O.C. (%)	7.81	8.45	7.98	9.17	-	59
	CO ₃ -C (%)	1.59	1.35	0.83	0.73	-	1.12
depth	1.20	1.0	3.2	4.5	2.1	3.3	
date and time	21/3/79 1515	20/3/79 1054	21/3/79 1502	20/3/79 1002	21/3/79 1450	20/3/79 0930	

Remarks

Traverse direction N 066° E

Station		T2-1		T2-2		T2-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	-	-	-	67.9	-	71.0
	pH	7.6	7.9	7.6	8.0	7.9	8.0
	S%	27.8	27.8	28.08	29.16	28.43	31.08
	T°c	30.76	30.68	30.79	30.32	30.72	29.97
	C. speed*	0.85	0.6	0.2	0.7	0.75	0.6
	C. speed ⁺	S 0.764	S 0.336	S 0.161	S 0.566	S 0.674	S 0.539
	C. direction	130	100	120	120	130	130
	SSC(mg/l)	145.81	602.0	125.77	167.2	182.17	242.95
L1	D.O. (% sat)	-	-	-	64.2	-	69.1
	pH	-	-	7.6	8.0	7.6	8.0
	S%	-	-	28.13	27.9	28.84	30.06
	T°c	-	-	30.8	30.0	30.66	29.73
	C. speed*	-	-	-	0.3	0.6	0.45
	C. speed ⁺	-	-	-	S 0.242	S 0.548	S 0.364
	C. direction	-	-	-	120	180	120
	SSC(mg/l)	-	-	-	656.26	-	249.8
L2	D.O. (% sat)	-	-	-	-	-	68.5
	pH	7.6	7.9	7.6	7.9	7.6	8.0
	S%	27.8	28.6	28.12	27.97	27.41	28.02
	T°c	30.60	30.66	30.73	30.0	30.7	29.74
	C. speed*	0.7	0.25	0.4	0.2	0.6	0.2
	C. speed ⁺	S 0.629	S 0.102	S 0.324	S 0.162	S 0.352	S 0.199
	C. direction	130	90	120	120	210	150
	SSC(mg/l)	175.56	247.84	166.8	348.9	474.73	300.33
	T.O.C. (%)	10.71	-	-	-	8.17	9.33
	CO ₃ ^{-G} (%)	1.01	-	-	-	0.56	0.95
depth	3.9	4	4.9	4.7	9.6	5.5	
date and time	21/3/79 1430	20/3/79 1320	21/3/79 1410	20/3/79 1215	21/3/79 1357	20/3/79 1129	

Remarks

Traverse direction N 096.5° E

Station		T3-1		T3-2		T3-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	-	-	-	-	-	-
	pH	7.8	7.9	7.7	7.7	7.6	7.9
	S%	25.92	28.46	25.34	28.86	24.66	29.02
	T°c	30.8	30.6	30.76	30.48	30.84	30.48
	C.speed*	0.8	0.85	0.25	0.3	0.7	0.8
	C.speed ⁺	S 0.667	S 0.848	S 0.149	S 0.298	S 0.416	S 0.799
	C.direction	220	190	240	180	240	190
	SSC(mg/l)	107.16	170.75	195.44	179.17	168.7	63.78
L1	D.O. (% sat)	-	-	-	-	-	-
	pH	7.7	7.9	7.7	7.9	7.6	7.9
	S%	25.96	28.75	25.53	29.2	24.9	28.92
	T°c	30.8	30.66	30.8	30.28	30.84	30.53
	C.speed*	0.9	0.4	0.6	0.25	0.75	0.5
	C.speed ⁺	S 0.825	S 0.399	S 0.357	S 0.172	S 0.729	S 0.499
	C.direction	210	190	240	140	200	190
	SSC(mg/l)	179.92	224.57	182.16	151.38	88.7	103.5
L2	D.O. (% sat)	-	-	-	-	-	-
	pH	7.7	7.9	7.6	7.9	7.6	7.9
	S%	24.75	28.65	25.57	29.2	24.47	29.3
	T°c	30.7	30.72	30.83	30.28	30.8	30.26
	C.speed*	0.8	0.3	0.4	0.45	0.4	0.25
	C.speed ⁺	S 0.799	S 0.292	S 0.275	S 0.179	S 0.397	S 0.24
	C.direction	190	200	140	120	180	170
	SSC(mg/l)	180.56	202.1	117.26	32.35	395.75	326.35
	T.O.C. (%)	-	-	-	-	-	5.87
	CO ₃ -C (%)	-	-	-	-	-	1.05
depth	8.8	8.8	12.20	13.0	8.8	5.8	
date and time	20/3/79 1450	21/3/79 1300	20/3/79 1515	21/3/79 1243	20/3/79 1555	21/3/79 1230	

Remarks

Traverse direction N 053.4°E

Station		T4-1		T4-2		T4-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	-	-	-	-	-	-
	pH	7.6	7.9	-	7.9	7.5	7.9
	S%	22.53	29.02	-	28.98	22.7	28.54
	T°c	30.75	30.22	-	30.62	30.74	30.64
	C.speed*	0.75	0.8	-	0.25	0.1	0.4
	C.speed ⁺	S 0.729	S 0.734	-	S 0.229	L 0.097	L 0.179
	C.direction	130	120	-	120	310	0.8
	SSC(mg/l)	64.5	119.82	-	121.69	139.4	201.36
L1	D.O. (% sat)	-	-	-	-	-	-
	pH	7.6	7.9	-	7.9	7.5	7.9
	S%	22.85	29.36	-	29.14	23.3	28.74
	T°c	30.69	30.06	-	30.32	30.77	30.57
	C.speed*	0.4	0.75	-	0.2	0.3	0.2
	C.speed ⁺	S 0.389	S 0.688	-	S 0.199	S 0.268	S 0.184
	C.direction	130	120	-	150	170	120
	SSC(mg/l)	86.4	113.67	-	193.15	315.53	172.33
L2	D.O. (% sat)	-	-	-	-	-	-
	pH	7.6	7.9	-	7.9	7.5	7.9
	S%	22.03	18.16	-	29.28	23.23	28.64
	T°c	30.57	30.18	-	30.31	30.63	30.65
	C.speed*	0.5	0.5	-	0.3	0.1	0.25
	C.speed ⁺	S 0.459	S 0.459	-	S 0.291	S 0.083	S 0.248
	C.direction	120	120	-	130	110	150
	SSC(mg/l)	117.92	229.95	-	155.04	295.6	159.0
	T.O.C. (%)	-	10.61	-	-	-	6.5
	CO ₃ -C (%)	-	1.30	-	-	-	0.71
depth	5.5	6.7	-	9.9	8.8	10.85	
date and time	20/3/79 1628	21/3/79 1134	- -	21/3/79 1145	20/3/79 1637	21/3/79 1210	

Remarks

Traverse direction N 062° E

Station		T5-1		T5-2		T5-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	-	-	-	-	-	-
	pH	7.5	7.8	7.5	7.9	7.5	7.9
	S%	19.52	27.8	19.76	28.06	19.76	27.57
	T°c	30.74	30.74	30.66	30.6	30.64	30.76
	C.speed*	0.35	0.35	0.4	0.2	0.3	0.05
	C.speed ⁺	S 0.297	S 0.164	S 0.391	S 0.17	S 0.278	S 0.026
	C.direction	120	090	140	120	130	210
	SSC(mg/l)	157.05	126.52	88.67	147.12	83.8	143.87
L1	D.O. (% sat)	-	-	-	-	-	-
	pH	7.5	7.8	7.4	7.9	-	-
	S%	20.23	28.38	20.22	28.52	-	-
	T°c	30.88	30.46	30.78	30.47	-	-
	C.speed*	0.25	0.1	0.55	0.25	-	-
	C.speed ⁺	S 0.212	S 0.031	S 0.55	S 0.25	-	-
	C.direction	120	080	150	150	-	-
	SSC(mg/l)	181.73	277.69	135.55	158.05	-	-
L2	D.O. (% sat)	-	-	-	-	-	-
	pH	7.5	7.9	7.4	7.9	7.5	7.9
	S%	17.02	28.26	19.41	26.84	18.72	27.58
	T°c	30.6	30.46	30.73	30.54	30.46	30.8
	C.speed*	0.1	0.05	0.15	0.15	0.3	0.25
	C.speed ⁺	S 0.1	L 0.007	S 0.143	S 0.079	S 0.278	S 0.212
	C.direction	150	250	170	210	130	120
	SSC(mg/l)	195.8	124.96	222.8	156.8	192.25	126.56
	T.O.C. (%)	-	-	-	-	-	9.73
	CO ₃ -C (%)	-	-	-	-	-	1.15
depth	9.0	9.9	10.10	10	3.85	2.7	
date and time	20/3/79 1717	21/3/79 1030	20/3/79 1740	21/3/79 1046	20/3/79 1732	21/3/79 1108	

Remarks

Traverse direction N 088°E

Station		T6-1		T6-2		T6-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)			-	-		
	pH			7.3	7.5		
	S%			18.5	26.76		
	T°c			30.97	30.71		
	C.speed*			0.5	0.4		
	C.speed ⁺			S 0.104	L 0.014		
	C.direction			100	270		
	SSC(mg/l)			325.2	125.16		
L1	D.O. (% sat)			-	-		
	pH			7.3	7.7		
	S%			18.56	27.07		
	T°c			30.08	30.5		
	C.speed*			0.3	0.2		
	C.speed ⁺			S 0.265	S 0.062		
	C.direction			150	250		
	SSC(mg/l)			40.99	838.4		
L2	D.O. (% sat)			-	-		
	pH			7.3	7.7		
	S%			17.71	20.7		
	T°c			30.28	30.88		
	C.speed*			0.5	0.25		
	C.speed ⁺			S 0.500	S 0.186		
	C.direction			180	220		
	SSC(mg/l)			350.5	577.5		
	T.O.C. (%)			-	-		
	CO ₃ -C (%)			-	-		
depth			9.0	10.3			
date and time			21/3/79 1650	21/3/79 0935			

Remarks

Traverse direction N 089° E

Station		T1-1		T1-2		T1-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	-	96.4	31.0	87.7	28.0	95.0
	pH	-	7.6	7.3	7.9	7.4	7.7
	S%	-	18.97	8.88	19.48	8.0	18.53
	T°c	-	30.37	31.65	30.43	31.57	30.64
	C.speed*	-	0.05	0.35	0.07	0.35	0.2
	C.speed ⁺	-	L 0.008	S 0.331	S 0.046	S 0.306	S 0.103
	C.direction	-	080	160	130	150	120
	SSC(mg/l)	-	89.08	223.5	68.85	118.45	73.73
L1	D.O. (% sat)	38.4	-	-	84.2	-	94.3
	pH	7.4	-	-	7.8	-	7.7
	S%	9.40	-	-	19.57	-	19.04
	T°c	31.79	-	-	30.30	-	30.52
	C.speed*	0.2	-	-	0.05	-	0.15
	C.speed ⁺	S 0.198	-	-	S 0.050	-	S 0.137
	C.direction	170	-	-	180	-	155
	SSC(mg/l)	112.75	-	-	84.80	-	59.98
L2	D.O. (% sat)	-	89.9	23.6	89.9	33.9	86.3
	pH	-	7.8	7.3	7.9	7.3	7.8
	S%	-	19.21	9.16	20.06	8.96	19.54
	T°c	-	30.0	31.55	29.87	31.5	30.27
	C.speed*	-	0.04	0.33	0.07	0.3	0.09
	C.speed ⁺	-	S 0.034	S 0.326	S 0.053	S 0.284	S 0.090
	C.direction	-	210	170	220	160	185
	SSC(mg/l)	-	130.48	811.60	179.13	1667.47	73.30
	T.O.C. (%)	13.23	17.59	15.85	17.54	17.25	11.28
	CO ₃ -C (%)	1.57	2.03	1.72	2.07	2.05	1.35
depth	1.0	3.9	3.6	5.4	3.9	4.70	
date and time	26/8/79 1330	27/8/79 0845	26/8/79 1350	27/8/79 0905	26/8/79 1410	27/8/79 0930	

Remarks

Traverse direction N 066°E

Station		T2-1		T2-2		T2-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	22.1	35.4	20.7	42.8	32.5	54.6
	pH	7.3	7.4	7.4	7.5	7.4	7.4
	SZ.	6.56	9.51	6.74	10.40	7.48	13.23
	T°c	31.48	31.68	31.47	31.76	31.68	31.7
	C. speed*	0.2	0.45	0.25	0.45	0.1	0.4
	C. speed ⁺	S 0.171	S 0.420	S 0.202	S 0.386	S 0.070	S 0.385
	C. direction	125	135	120	125	110	140
	SSC(mg/l)	99.8	103.13	223.56	61.86	59.23	167.94
L1	D.O. (% sat)	-	-	-	39.8	32.5	56.1
	pH	-	-	-	7.3	7.3	7.3
	SZ.	-	-	-	10.85	7.46	13.66
	T°c	-	-	-	31.64	31.7	31.57
	C. speed*	-	-	-	0.37	0.05	0.25
	C. speed ⁺	-	-	-	S 0.356	S 0.049	S 0.249
	C. direction	-	-	-	140	*170	150
	SSC(mg/l)	-	-	-	412.35	446.15	561.0
L2	D.O. (% sat)	20.4	35.4	16.2	39.8	29.5	57.5
	pH	7.3	7.3	7.3	7.4	7.4	7.3
	SZ.	6.93	9.80	7.0	10.81	8.32	14.64
	T°c	31.48	31.63	31.5	31.63	31.58	31.44
	C. speed*	0.1	0.3	0.12	0.25	0.05	0.1
	C. speed ⁺	S 0.075	S 0.280	S 0.115	S 0.024	S 0.048	S 0.096
	C. direction	115	135	140	140	140	140
	SSC(mg/l)	1910.80	285.35	1547.5	501.60	202.29	689.07
	T.O.C. (%)	9.80	8.53	16.06	12.59	15.63	11.36
	CO ₃ -C (%)	1.26	1.06	1.33	1.93	1.73	1.19
depth	3.5	3.75	4.0	4.0	5.50	9.3	
date and time	26/8/79 1451	26/8/79 1255	26/8/79 1437	26/8/79 1237	26/8/79 1450	26/8/79 1225	

Remarks

Traverse direction N 096.5° E

Station		T3-1		T3-2		T3-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	38.3	63.4	14.8	50.2	26.6	45.7
	pH	7.5	7.5	7.3	7.4	7.4	7.3
	S%	7.53	13.62	4.7	12.19	5.44	11.08
	T°c	31.95	31.60	31.32	31.59	31.71	31.64
	C.speed*	0.35	0.55	0.13	0.25	0.25	0.35
	C.speed ⁺	L 0.274	S 0.459	S 0.105	L 0.058	L 0.116	S 0.321
	C.direction	045	220	150	290	070	210
	SSC(mg/l)	122.9	84.77	82.28	105.3	29.60	332.40
L1	D.O. (% sat)	38.3	64.9	13.3	51.6	26.6	45.7
	pH	7.4	7.4	7.3	7.3	7.4	7.3
	S%	7.43	13.84	5.08	12.51	5.52	11.98
	T°c	31.99	31.7	31.34	31.74	31.69	31.5
	C.speed*	0.4	0.4	0.05	0.15	0.25	0.15
	C.speed ⁺	L 0.313	S 0.290	S 0.034	S 0.134	L 0.196	S 0.146
	C.direction	045	230	140	160	*045	200
	SSC(mg/l)	124.15	91.2	486.17	513.77	33.29	2205.9
L2	D.O. (% sat)	39.1	64.9	7.4	69.3	29.5	47.2
	pH	7.45	7.4	7.2	7.5	7.4	7.3
	S%	7.69	13.91	5.93	17.43	5.98	12.59
	T°c	32.2	31.68	31.45	31.14	31.9	31.65
	C.speed*	0.35	0.35	0.05	0.15	0.25	0.2
	C.speed ⁺	L 0.274	L 0.218	S 0.034	L 0.146	L 0.229	S 0.195
	C.direction	045	315	140	020	030	200
	SSC(mg/l)	159.15	342.21	1379.10	1000.67	143.80	1424.60
	T.O.C. (%)	7.62	4.36	6.57	6.88	12.21	16.05
	CO ₃ -C (%)	1.79	1.36	1.77	1.29	1.45	1.58
depth	10.5	8.0	12.9	12.5	11.5	9.10	
date and time	25/8/79 1618	26/8/79 1030	26/8/79 1510	26/8/79 1115	25/8/79 1540	26/8/79 1155	

Remarks

Traverse direction N 053.4° E

Station		T4-1		T4-2		T4-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	13.3	67.8	13.3	64.9	16.2	59.0
	pH	7.2	7.4	7.3	7.4	7.4	7.4
	S%	3.24	14.29	2.91	13.05	3.55	13.34
	T°c	31.18	31.60	31.26	31.66	31.38	31.62
	C.speed*	0.1	0.2	0.1	0.35	0.1	0.25
	C.speed ⁺	L 0.099	S 0.199	S 0.080	S 0.349	L 0.092	S 0.248
	C.direction	330	150	180	140	300	150
	SSC(mg/l)	62.2	72.40	78.45	36.48	87.2	89.9
L1	D.O. (% sat)	10.3	78.2	10.3	81.1	10.3	61.9
	pH	7.3	7.5	7.2	7.5	7.3	7.4
	S%	3.18	16.05	3.42	17.74	4.26	13.9
	T°c	31.06	31.57	31.27	31.28	31.34	31.61
	C.speed*	0.58	0.15	0.15	0.35	0.1	0.25
	C.speed ⁺	L 0.576	S 0.146	L 0.149	S 0.348	L 0.084	S 0.240
	C.direction	330	130	330	150	290	160
	SSC(mg/l)	102.4	241.0	138.95	82.97	297.47	186.40
L2	D.O. (% sat)	8.9	75.2	5.9	94.4	7.4	85.5
	pH	7.2	7.6	7.2	7.7	7.3	7.5
	S%	3.43	17.18	4.40	21.17	4.43	19.27
	T°c	31.19	31.38	31.22	30.62	31.30	30.99
	C.speed*	0.1	0.00	0.25	0.15	0.05	0.1
	C.speed ⁺	L 0.099	-	L 0.240	S 0.103	L 0.014	S 0.1
	C.direction	330	320	340	190	250	140
	SSC(mg/l)	197.67	114.60	690.60	141.36	666.20	234.65
	T.O.C. (%)	7.88	10.81	10.51	8.34	8.48	10.97
	CO ₃ -C (%)	1.36	1.55	1.14	1.43	1.07	1.69
depth	6.60	6.25	10.6	11.5	11.6	11.4	
date and time	26/8/79 1540	16/8/79 0850	26/8/79 1553	26/8/79 0923	26/8/79 1610	26/8/79 0955	

Remarks

Traverse direction N 062° E

Station		T5-1		T5-2		T5-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	14.8	13.3	17.0	13.3	17.7	10.3
	pH	7.4	6.8	7.4	7.2	7.6	7.3
	S%	4.75	3.24	2.5	3.18	1.98	2.42
	T°c	31.37	31.38	31.23	31.33	31.4	31.28
	C.speed*	0.45	0.25	0.47	0.4	0.2	0.4
	C.speed ⁺	L 0.45	S 0.239	L 0.460	S 0.371	L 0.196	S 0.356
	C.direction	330	135	320	130	320	125
	SSC(mg/l)	479.8	499.5	43.85	383.3	74.9	269.87
L1	D.O. (% sat)	14.0	11.8	7.4	11.8	-	-
	pH	7.3	7.2	7.2	7.3	-	-
	S%	4.87	3.58	3.10	2.92	-	-
	T°c	31.32	31.30	31.25	31.27	-	-
	C.speed*	0.55	0.3	0.45	0.4	-	-
	C.speed ⁺	L 0.510	S 0.293	L 0.440	S 0.386	-	-
	C.direction	310	140	320	135	-	-
	SSC(mg/l)	472.07	1097.8	336.5	892.7	-	-
L2	D.O. (% sat)	13.3	5.9	7.4	7.4	16.2	5.9
	pH	7.2	7.2	7.2	7.3	7.3	7.3
	S%	4.92	3.83	3.22	3.19	2.05	3.63
	T°c	31.38	31.38	31.15	31.36	31.37	31.32
	C.speed*	0.55	0.2	0.45	0.2	0.1	0.25
	C.speed ⁺	L 0.526	S 0.170	L 0.417	S 0.190	L 0.1	S 0.245
	C.direction	315	120	310	170	330	140
	SSC(mg/l)	1309.9	767.5	2100.6	2475.2	981.9	1639.0
	T.O.C. (%)	9.12	3.49	13.42	10.60	10.57	5.06
	CO ₃ -C (%)	0.92	0.96	1.23	0.08	0.95	1.04
depth	11.2	10.7	12	10	3.9	5.4	
date and time	26/8/79 1750	25/8/79 1247	26/8/79 1705	25/8/79 1306	26/8/79 1657	25/8/79 1336	

Remarks

Traverse direction N 088° E

Station		T6-1		T6-2		T6-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	14.0	11.1	16.2	8.9	14.8	11.8
	pH	7.5	7.2	7.3	7.4	7.3	7.3
	S%	3.28	5.18	4.55	3.35	6.0	2.88
	T°c	31.23	31.44	31.5	31.41	31.48	31.28
	C.speed*	0.25	0.55	0.5	0.4	0.4	0.45
	C.speed ⁺	L 0.221	S 0.331	L 0.441	S 0.390	L 0.315	L 0.094
	C.direction	330	125	330	165	320	280
	SSC(mg/l)	554.10	240.9	444.6	651.7	1590.3	519.8
L1	D.O. (% sat)	10.3	8.9	13.3	8.9	17.0	11.8
	pH	7.4	7.3	7.3	7.3	7.3	7.3
	S%	3.8	4.8	4.57	3.22	6.06	2.88
	T°c	31.28	31.41	31.24	31.36	31.48	31.22
	C.speed*	0.25	0.375	0.5	0.45	0.45	0.46
	C.speed ⁺	L 0.230	S 0.375	L 0.442	S 0.414	L 0.428	S 0.438
	C.direction	335	180	330	155	340	160
	SSC(mg/l)	372.1	921.60	1132.0	1227.2	1251.5	843.0
L2	D.O. (% sat)	7.4	5.9	12.5	8.1	15.5	11.8
	pH	7.4	7.3	7.3	7.3	7.3	7.3
	S%	3.86	4.94	5.08	5.88	6.35	2.88
	T°c	31.24	31.39	31.27	31.3	31.52	31.38
	C.speed*	0.1	0.25	0.45	0.45	0.4	0.35
	C.speed ⁺	L 0.099	S 0.249	L 0.428	S 0.428	L 0.380	S 0.347
	C.direction	350	172	340	160	340	170
	SSC(mg/l)	1217.7	1518.4	1779.2	2138.8	1652.9	777.10
	T.O.C. (%)	9.12	3.49	13.42	10.60	10.57	5.06
	CO ₃ -C (%)	1.08	0.84	1.34	1.23	1.12	0.73
depth	8	6.9	11.5	10.5	7.9	10.5	
date and time	26/8/79 1825	25/8/79 1117	26/8/79 1840	25/8/79 1150	26/8/79 1905	25/8/79 1214	

Remarks

Traverse direction N 089° E

Station		T1-1		T1-2		T1-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	116.7	83.3	65.2	91.03	87.9	70.8
	pH	8.1	7.8	7.9	7.8	7.8	7.5
	S%	20.15	24.6	22.04	24.24	23.54	24.16
	T°c	26.56	24.96	25.24	25.16	26.96	25.34
	C.speed*	0.01	0.01	0.05	0.01	0.02	0.1
	C.speed ⁺	S 0.002	-	S 0.049	L 0.01	L 0.007N	S 0.099
	C.direction	255	180	170	005	290	170
	SSC(mg/l)	80.31	139.96	125.0	105.1	133.8	114.0
L1	D.O. (% sat)	-	-	51.5	80.0	74.2	80.6
	pH	-	-	7.9	7.75	7.7	7.7
	S%	-	-	26.95	24.79	29.5	26.22
	T°c	-	-	25.34	25.08	25.66	25.44
	C.speed*	-	-	0.1	0.0	0.1	0.03
	C.speed ⁺	-	-	L 0.066	-	L 0.01	S 0.020
	C.direction	-	-	310	230	350	130
	SSC(mg/l)	-	-	102.23	223.2	97.47	118.9
L2	D.O. (% sat)	92.4	80.6	40.9	89.66	45.5	83.3
	pH	8.1	7.7	8.0	7.8	8.0	7.7
	S%	21.35	24.58	29.54	24.9	29.66	27.20
	T°c	27.61	25.01	25.55	25.36	25.63	25.5
	C.speed*	0.02	0.05	0.15	0.01	0.1	0.01
	C.speed ⁺	S 0.187	S 0.33	L 0.148	L 0.009	L 0.097	S 0.009
	C.direction	200	130	350	020	345	160
	SSC(mg/l)	241.33	252.2	142.0	224.87	81.33	106.63
	T.O.C. (%)	10.93	10.61	9.81	12.12	12.90	13.37
	CO ₃ -C (%)	1.42	1.42	1.42	1.59	1.44	1.53
depth	1.1	1.2	4.5	4	5.5	5.6	
date and time	18/12/79 1405	19/12/79 0810	18/12/79 1423	19/12/79 0830	18/12/79 1450	19/12/79 0857	

Remarks

Traverse direction N 066° E

Station		T2-1		T2-2		T2-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	50	81.9	50	84.7	57.6	75
	pH	7.9	7.6	7.8	7.7	7.7	7.6
	S%	19.62	21.72	18.7	21.92	17.98	23.60
	T°c	25.32	25.27	25.52	25.10	26.22	25.29
	C.speed *	0.1	0.25	0.1	0.2	0.07	0.1
	C.speed +	S 0.041	S 0.017	S 0.091	S 0.162	S 0.029	S 0.1
	C.direction	090	070	180	120	090	150
	SSC(mg/l)	69.20	102.2	40.77	102.62	53.44	132
L1	D.O. (% sat)	48.5	62.5	47	72.2	42.4	69.4
	pH	7.8	7.5	7.8	7.6	7.8	7.7
	S%	20.32	24.16	26.11	24.76	27.0	26.54
	T°c	25.44	25.24	25.27	25.25	25.56	25.46
	C.speed *	0.01	0.25	0.13	0.15	0.05	0.08
	C.speed +	S 0.01	S 0.225	L 0.129	S 0.144	S 0.014	S 0.077
	C.direction	140	130	330	140	230	140
	SSC(mg/l)	97.40	234.2	92.53	76.57	180.6	166.35
L2	D.O. (% sat)	39.4	66.7	37.9	73.6	34.9	69.4
	pH	7.9	7.6	7.9	7.7	7.9	7.7
	S%	29.10	25.25	28.58	26.51	28.92	26.75
	T°c	25.5	25.25	25.78	25.39	25.75	25.47
	C.speed *	0.07	0.15	0.1	0.9	0.0	0.01
	C.speed +	L 0.068	S 0.144	L 0.090	S 0.089	0.0	S 0.007
	C.direction	350	140	310	165	040	110
	SSC(mg/l)	98.33	113.44	127.80	137.20	163.2	177.5
	T.O.C. (%)	12.25	12.74	13.95	12.52	11.43	13.25
	CO ₃ -C (%)	1.59	1.55	1.54	1.49	1.60	1.70
depth	5.0	3.2	5.9	4.0	5.9	8.5	
date and time	18/12/79 1540	19/12/79 1007	18/12/79 1520	19/12/79 0945	18/12/79 1510	19/12/79 0920	

Remarks

Traverse direction N 096.5° E

Station		T3-1		T3-2		T3-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	50	59.7	43.9	62.5	47	55.6
	pH	7.8	7.5	7.8	7.5	7.9	7.6
	S%	14.68	19.36	15.21	19.55	15.56	20.35
	T°c	26.09	25.21	25.84	25.08	25.88	25.06
	C.speed*	0.19	0.27	0.2	0.28	0.2	0.33
	C.speed ⁺	L 0.19	S 0.196	S 0.145	L 0.28	S 0.167	S 0.303
	C.direction	005	230	230	005	220	210
	SSC(mg/l)	59.3	111.8	34.41	134.53	35.26	58.04
L1	D.O. (% sat)	33.3	55.6	36.4	54.2	40.9	54.2
	pH	7.8	7.5	7.9	7.5	7.8	7.5
	S%	26.57	19.71	28.09	22.82	22.32	22.21
	T°c	25.26	25.16	25.47	25.17	25.28	25.06
	C.speed*	0.06	0.23	0.15	0.15	0.01	0.25
	C.speed ⁺	S 0.044	S 0.137	L 0.009	S 0.15	S 0.01	S 0.209
	C.direction	230	240	100	190	175	220
	SSC(mg/l)	109.73	93.73	110.08	123.35	64.35	129.3
L2	D.O. (% sat)	31.8	52.8	33.3	59.7	36.4	62.5
	pH	7.9	7.6	7.95	7.5	7.8	7.5
	S%	28.11	20.12	28.95	25.88	24.78	25.51
	T°c	25.47	25.16	25.60	25.27	25.32	25.34
	C.speed*	0.04	0.1	0.13	0.2	0.05	0.09
	C.speed ⁺	L 0.022	S 0.066	L 0.108	L 0.137	S 0.014	S 0.062
	C.direction	310	235	040	045	260	140
	SSC(mg/l)	165.32	160.20	292.2	161.0	153.93	131.4
	T.O.C. (%)	7.34	7.02	7.12	7.01	12.03	11.14
	CO ₃ -C (%)	1.73	1.57	1.47	1.54	1.45	1.60
depth	11.0	7.8	14.95	11.5	7	7	
date and time	18/12/79 1630	19/12/79 1120	18/12/79 1610	19/12/79 1043	18/12/79 1555	19/12/79 1027	

Remarks

Traverse direction N 053.4° E

Station		T4-1		T4-2		T4-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	50	40.9	51.4	43.9	55.6	48.5
	pH	7.4	7.8	7.5	7.8	7.4	7.8
	S%	12.72	12.3	14.77	13.05	15.35	13.25
	T°c	25.87	25.98	25.68	25.83	25.61	26.12
	C.speed*	0.25	0.2	0.3	0.4	0.25	0.25
	C.speed ⁺	S 0.25	S 0.195	S 0.275	S 0.389	S 0.131	S 0.149
	C.direction	140	130	120	130	085	90
	SSC(mg/l)	106.27	48.7	102.87	43.57	80.20	112.7
L1	D.O. (% sat)	48.6	34.8	48.6	33.3	55.6	33.3
	pH	7.3	7.8	7.4	7.8	7.4	7.9
	S%	14.17	13.97	16.34	21.86	16.33	22.55
	T°c	25.45	25.52	25.32	25.0	25.53	25.13
	C.speed*	0.23	0.25	0.15	0.25	0.10	0.15
	C.speed ⁺	S 0.224	S 0.24	L 0.112	S 0.240	S 0.080	S 0.103
	C.direction	130	160	005	160	180	190
	SSC(mg/l)	88.44	47.97	73.08	45.74	145.2	72.47
L2	D.O. (% sat)	45.8	33.3	48.6	34.8	48.6	34.8
	pH	7.4	7.8	7.4	7.9	7.5	7.9
	S%	16.65	23.0	23.62	27.98	19.28	27.48
	T°c	25.19	25.02	25.18	25.28	25.22	25.26
	C.speed*	0.08	0.07	0.04	0.15	0.04	0.05
	C.speed ⁺	S 0.078	S 0.051	S 0.022	S 0.15	S 0.038	S 0.016
	C.direction	130	100	200	140	125	215
	SSC(mg/l)	128.75	336.1	178.5	68.36	414.1	149.65
	T.O.C. (%)	9.28	10.50	12.97	12.84	13.44	11.61
CO ₃ -C (%)	1.22	1.33	1.42	1.56	1.96	1.52	
depth	5.50	7.75	10.0	11.70	9.0	12.50	
date and time	19/12/79 1332	18/12/79 1753	19/12/79 1235	18/12/79 1723	19/12/79 1213	18/12/79 1703	

Remarks

Traverse direction N 062° E

Station		T5-1		T5-2		T5-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	55.6	62.4	43.1	62.4	50	60.8
	pH	7.3	7.5	7.3	7.6	7.4	7.6
	S%	6.88	9.65	7.04	10.33	7.08	11.34
	T°c	26.48	26.44	26.37	26.15	26.52	25.86
	C. speed*	0.05	0.2	0.04	0.23	0.00	0.2
	C. speed ⁺	S 0.048	S 0.168	S 0.022	S 0.219	S 0.00	S 0.177
	C. direction	170	185	95	170	80	180
	SSC(mg/l)	31.5	44.64	41.08	36.0	39.45	47.33
L1	D.O. (% sat)	43.1	52.8	43.1	49.6	-	54.4
	pH	7.3	7.6	7.3	7.6	-	7.6
	S%	13.84	13.98	13.85	14.01	-	11.97
	T°c	25.36	25.43	25.33	25.46	-	25.71
	C. speed*	0.10	0.01	0.14	0.1	-	0.51
	C. speed ⁺	L 0.053	S 0.003	L 0.117	S 0.037	-	S 0.132
	C. direction	300	225	005	220	-	180
	SSC(mg/l)	33.91	85.65	93.13	37.11	-	61.63
L2	D.O. (% sat)	44.4	52.8	44.4	51.2	37.5	54.4
	pH	7.3	7.6	7.3	7.6	7.2	7.6
	S%	16.22	15.8	17.03	15.83	11.8	14.66
	T°c	25.21	25.26	25.02	25.25	25.52	25.48
	C. speed*	0.03	0.05	0.12	0.04	0.05	0.1
	C. speed ⁺	L 0.016	L 0.03	L 0.119	S 0.04	L 0.039	S 0.084
	C. direction	030	025	340	145	010	185
	SSC(mg/l)	138.8	148.2	181.0	223.2	61.05	95.78
	T.O.C. (%)	8.30	6.53	5.10	6.03	10.67	10.23
	CO ₃ -C (%)	0.82	1.12	0.86	0.99	1.15	1.16
depth	6.5	9	8.50	10.8	2.5	5.2	
date and time	19/12/79 1610	18/12/79 1247	19/12/79 1538	18/12/79 1225	19/12/79 1530	18/12/79 1210	

Remarks

Traverse direction N 088° E

Station		T6-1		T6-2		T6-3	
sampling depth		Flood	Ebb	Flood	Ebb	Flood	Ebb
L0	D.O. (% sat)	40.3	59.2	37.5	56.0	50	59.2
	pH	7.3	7.6	7.3	7.7	7.3	7.5
	S%	6.05	11.09	5.4	10.58	4.98	9.13
	T°c	26.13	25.5	26.39	25.66	26.56	26.97
	C.speed*	0.15	0.25	0.18	0.25	0.15	0.29
	C.speed ⁺	S 0.118	S 0.232	S 0.095	L 0.248	S 0.118	S 0.276
	C.direction	140	200	120	005	140	160
	SSC(mg/l)	40.70	66.47	32.05	50.85	351.3	55.2
L1	D.O. (% sat)	34.7	54.4	36.1	54.4	36.1	52.8
	pH	7.2	7.5	7.3*	7.5	7.3	7.5
	S%	6.43	12.09	11.98	12.66	10.8	11.81
	T°c	26.07	25.48	25.4	25.43	25.52	25.58
	C.speed*	0.19	0.2	0.10	0.225	0.03	0.2
	C.speed ⁺	S 0.101	S 0.177	L 0.095	S 0.223	S 0.027	S 0.177
	C.direction	120	150	340	170	150	150
	SSC(mg/l)	34.68	90.80	21.44	70.64	124.0	41.43
L2	D.O. (% sat)	33.3	54.4	41.7	52.8	37.5	52.8
	pH	7.2	7.6	7.3	7.5	7.2	7.4
	S%	10.96	12.26	15.23	14.66	13.24	14.54
	T°c	25.55	25.48	25.22	25.27	25.29	25.3
	C.speed*	0.06	0.2	0.15	0.1	0.10	0.07
	C.speed ⁺	S 0.040	L 0.094	L 0.149	S 0.079	L 0.079	L 0.037
	C.direction	130	60	350	140	320	300
	SSC(mg/l)	62.10	71.25	77.8	105.6	132.13	134.9
	T.O.C. (%)	8.70	9.21	11.02	11.45	6.67	6.49
	CO ₃ -C (%)	1.73	1.08	1.12	1.14	1.05	0.96
depth	3.5	5.5	9.5	10.5	7.0	10.5	
date and time	19/12/79 1420	18/12/79 1030	19/12/79 1433	18/12/79 1107	19/12/79 1500	18/12/79 1135	

Remarks

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