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THE SALINITY INTRUSION IN THE CAMPBELL RIVER ESTUARY: SALINITY, TEMPERATURE AND CURRENT OBSERVATIONS 1984-1986

by

A.B. Ages, F.A. Dobbs, C.D. McAllister

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Sidney, B.C.

1990

CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES
83(2)

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Canadian Data Report of
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THE SALINITY INTRUSION IN THE CAMPBELL RIVER ESTUARY: SALINITY, TEMPERATURE AND CURRENT OBSERVATIONS 1984–1986

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Cat. No. FS 97-16/83 ISSN 0711-6721

Correct citation for this publication:

Ages, A.B., F.A. Dobbs, C.D. McAllister. 1990. The Salinity Intrusion in the Campbell River Estuary: Salinity, Temperature and Current Observations, 1984–1986. Can. Data Rep. Hydrog. Ocean Sci. 83(2) 191 pp.

JAN 09/85 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
TYEE PT	08H 31M	.0	12.2	4.6	.40	E
		1.0	24.6	6.5	.20	E
		2.0	25.3	7.0	.10	E
		3.0	26.0	7.0	.10	E
		4.0	26.0	7.1	.10	E
		5.0	26.2	7.1	.05	E
RANGE MARKERS	08H 39M	.0	.3	3.5	.40	E
		1.0	13.5	4.1	.40	E
		2.0	26.0	6.5	.05	E
		3.0	26.7	6.8	.05	F
		4.0	26.7	6.8	.05	F
GULF SIGN	08H 45M	.0	.1	2.8	.65	E
		1.0	7.0	3.8	.55	E
		2.0	23.2	5.8	.20	E
		3.0	27.1	6.8	.00	
		4.0	26.9	6.7	.00	
FISH STN WHARF	08H 50M	.0	.0	2.8	.80	E
		1.0	1.0	2.8	.70	E
		2.0	24.6	6.0	.10	E
		3.0	27.1	6.8	.05	F
		4.0	27.1	6.8	.00	
		5.0	27.1	6.8	.00	
NBM MAIN	08H 45M	.0	.0	2.8	.70	E
		1.0	.0	2.8	.70	E
		2.0	12.2	4.3	.45	E
		3.0	26.7	6.5	.05	F
		4.0	27.1	6.8	.05	F
FISH BARGE MAIN	09H 01M	.0	.0	2.8	.50	E
		1.0	.0	2.8	.50	E
		2.0	5.7	3.8	.50	E
		2.5			.20	E
		3.0	27.5	6.5	.05	F
SBM MAIN	09H 07M	.0	.0	2.8	.30	E
		1.0	.0	2.8	.35	E
		2.0	.5	2.8	.40	E
		3.0	15.5	5.0	.05	F

JAN 09/85 RIVER DISCHARGE - 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
FRED'S MAIN	09H 11M	.0	.0	2.7	.40	E
		1.0	.0	2.7	.40	E
		2.0	.0	2.7	.40	E
		3.0	8.2	3.6	.00	
		3.5	26.7	6.2		
ORANGE CRANE	09H 15M	.0	.0	2.6	.45	E
		1.0	.0	2.6	.55	E
		2.0	.0	2.6	.50	E
		3.0	.0	2.6	.50	E
		4.0	18.9	5.0	.05	E
PILE BREAKWATER	09H 20M	.0	.0	2.6	.70	E
		1.0	.0	2.6	.70	E
		2.0	.0	2.6	.65	E
		3.0	.0	2.6	.55	E
		4.0	.0	2.6	.50	E
		5.0	.0	2.6	.35	E
TYEE PT	09H 40M	.0	3.3	3.2	.60	E
		1.0	27.5	6.7	.00	
		2.0	27.5	6.5	.05	F
		3.0	27.5	6.8	.10	F
		4.0	27.5	6.8	.10	F
		5.0	27.5	6.8		
		6.0	27.8	7.0		
RANGE MARKERS	09H 47M	.0	5.1	2.8	.65	E
		1.0	15.5	5.0	.45	E
		2.0	27.1	6.8	.10	E
		3.0	27.5	6.8	.00	
GULF SIGN	09H 52M	.0	.0	2.8	.65	E
		1.0	8.9	4.2	.45	E
		2.0	20.3	5.6	.15	F
		3.0	27.5	6.8	.20	F
		4.0	27.5	6.8	.15	F
		4.5	27.5	6.8		
		5.0			.10	F
FISH STN WHARF	09H 57M	.0	.0	2.8	.60	E
		1.0	1.0	2.8	.60	E
		2.0	23.2	5.8	.05	F

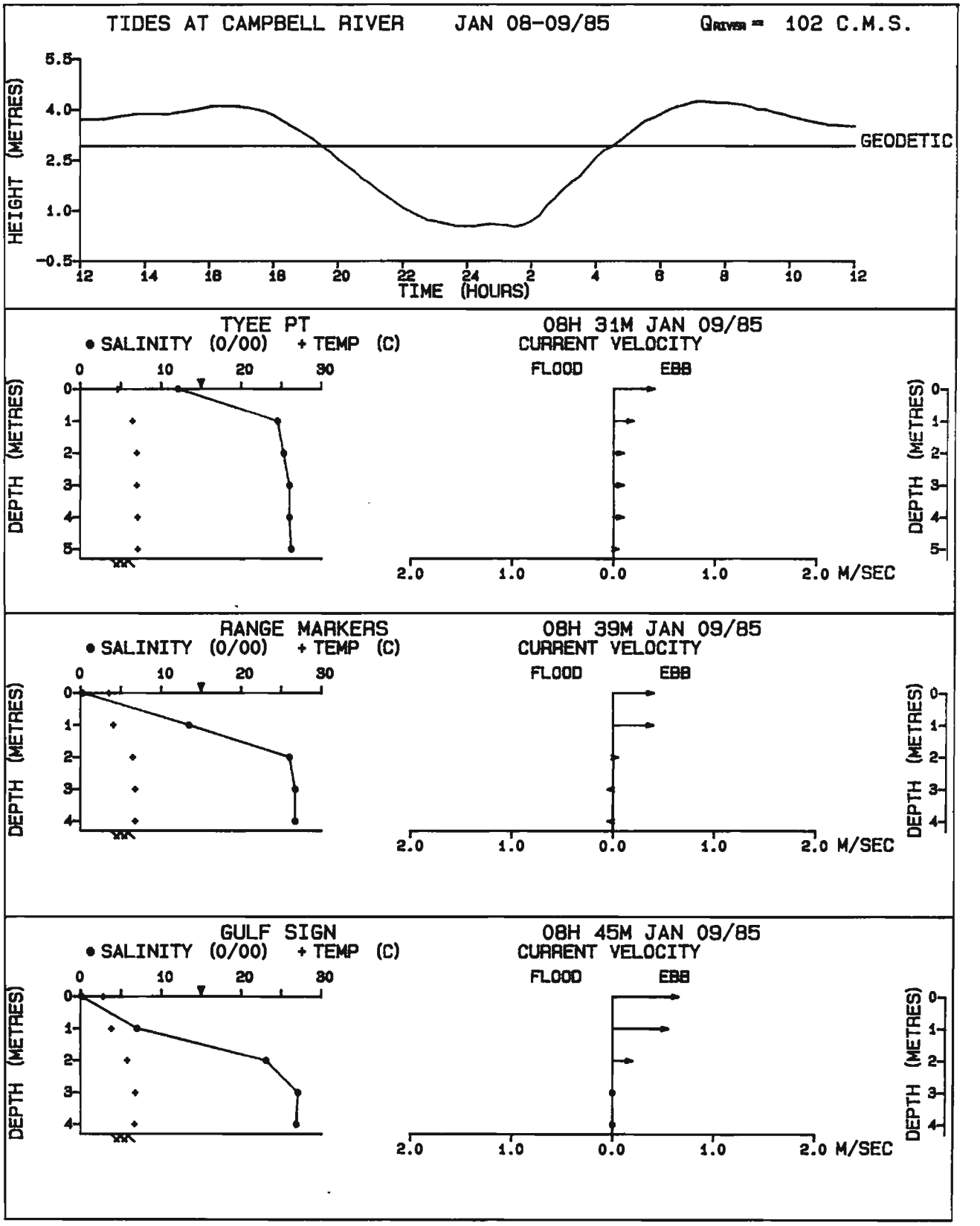
JAN 09/85 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
FISH STN WHARF	09H 57M	3.0	26.7	6.7	.15	F
		4.0	27.5	6.8	.10	F
		5.0	27.3	6.8	.10	F
NBM MAIN	10H 04M	.0	.0	2.8	.55	E
		1.0	.0	2.8	.65	E
		2.0	12.2	4.4	.30	E
		2.5			.00	
		3.0	27.1	6.5	.00	
		4.0	27.5	6.8	.00	
FISH BARGE MAIN	10H 09M	.0	.0	2.8	.65	E
		1.0	.0	2.8	.65	E
		2.0	2.2	3.1	.60	E
		2.5			.20	E
		3.0	27.5	6.8		
SBM MAIN	10H 14M	.0	.0	2.7	.60	E
		1.0	.0	2.7	.60	E
		2.0	.0	2.8	.50	E
		3.0	8.9	3.7	.20	E
FRED'S MAIN	10H 17M	.0	.0	2.6	.60	E
		1.0	.0	2.5	.55	E
		2.0	.0	2.6	.45	E
		3.0	.0	2.6	.30	E
ORANGE CRANE	10H 21M	.0	.0	2.5	.65	E
		1.0	.0	2.6	.75	E
		2.0	.0	2.6	.70	E
		3.0	.0	2.5	.60	E
		4.0	.0	2.6	.45	E
ISL#3 PULLEY	11H 01M	.0	3.3	3.2		
		1.0	12.2	4.2		
		2.0	27.5	6.6		
		3.0	27.5	6.8		
GRASS	11H 05M	.0	2.7	3.0		
		1.0	4.5	3.2		
		2.0	26.0	6.0		

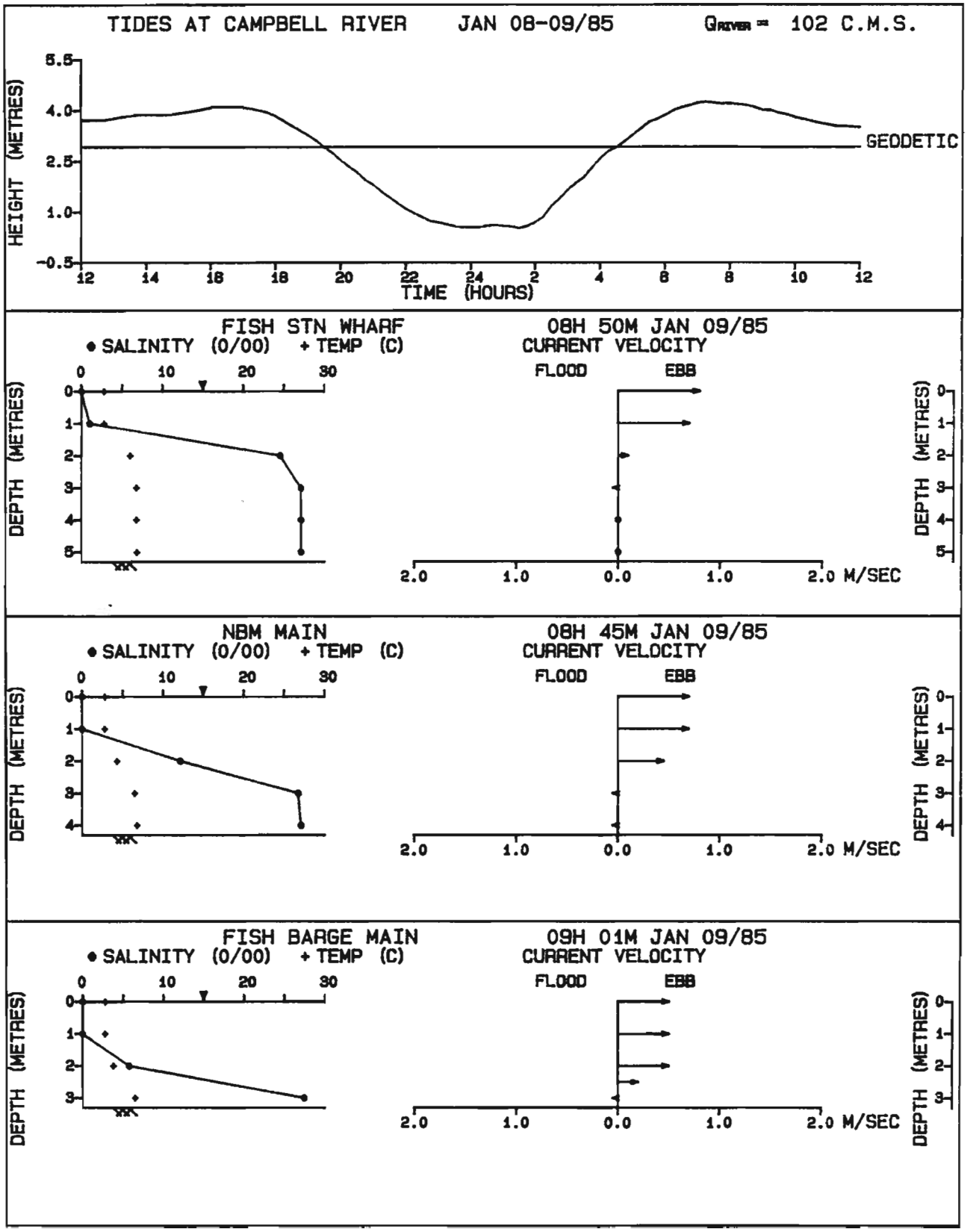
JAN 09/85 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
LOG BASIN	11H 08M	.0	2.2	2.8		
		1.0	3.9	3.3		
		2.0	26.0	6.3		
		3.0	26.7	6.8		
		4.0	26.7	6.8		
		5.0	27.1	6.8		
		6.0	27.3	6.8		
		7.0	27.5	6.9		
MOTHER RAMP	11H 13M	.0	2.2	3.2		
		1.0	2.7	3.2		
		2.0	25.3	6.3		
		3.0	27.5	6.8		
		4.0	27.8	6.8		
RAVEN'S LOG SORT	11H 21M	.0	.0	2.6		
		1.0	.0	2.6		
		2.0	9.5	3.8		
SBS (I2)	11H 24M	.0	.0	2.6		
		1.0	.0	2.6		
		2.0	.5	2.7		
NBM	11H 26M	.0	.0	2.6		
		1.0	.5	2.7		
		2.0	2.4	6.6		
		3.0	27.5	6.5		
NBS	11H 29M	.0	.0	2.5		
		1.0	1.0	2.7		
		2.0	24.6	6.1		

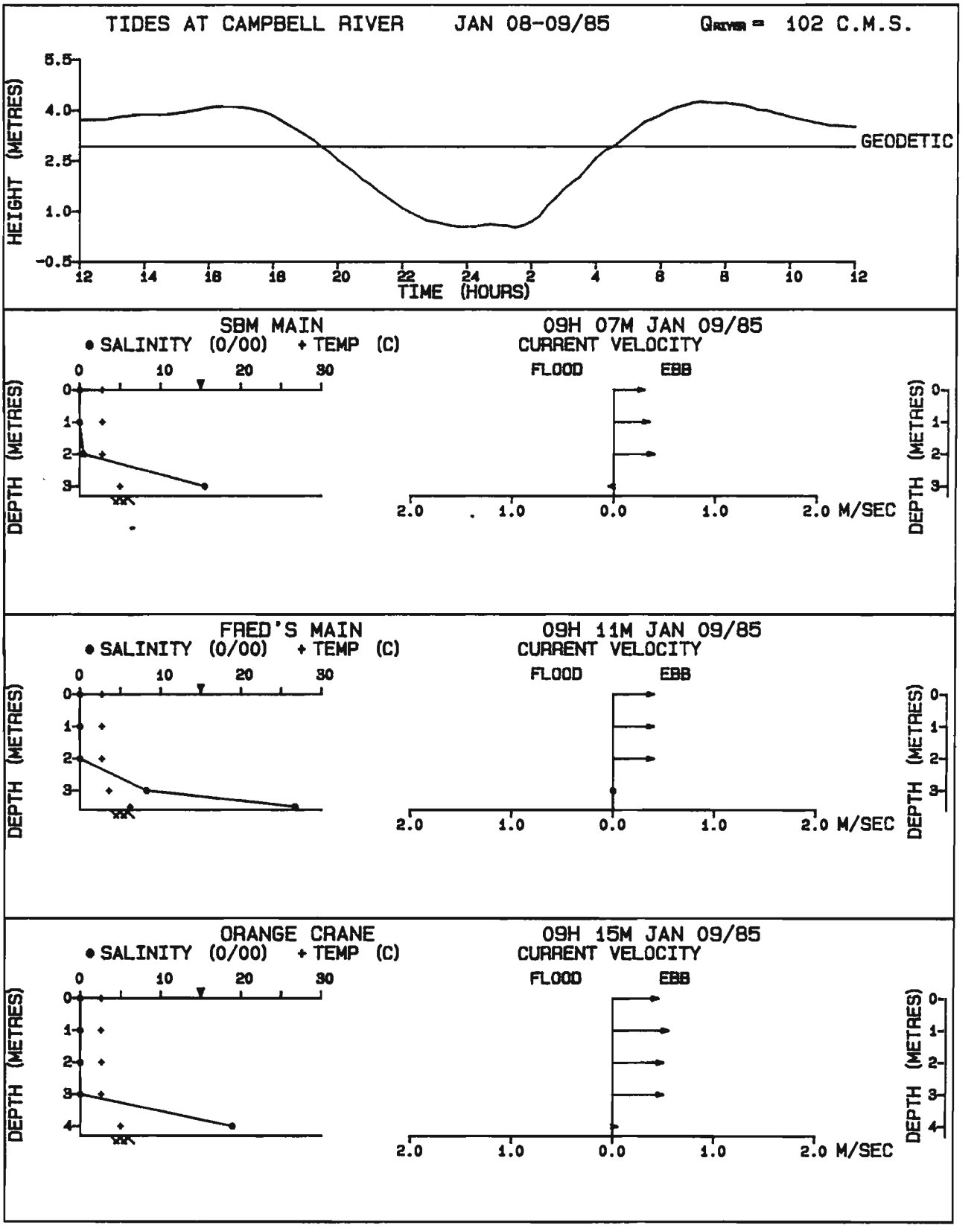
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



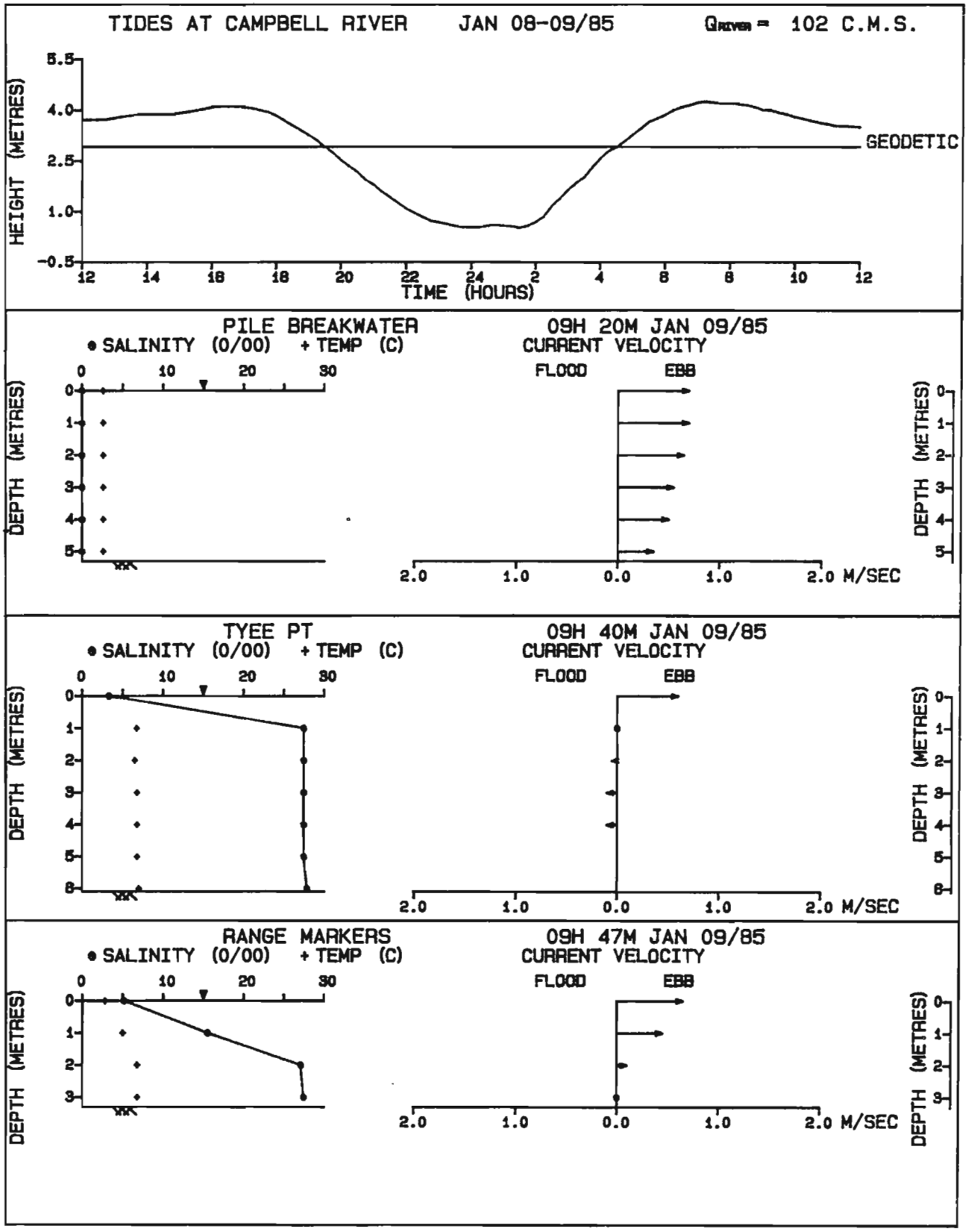
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



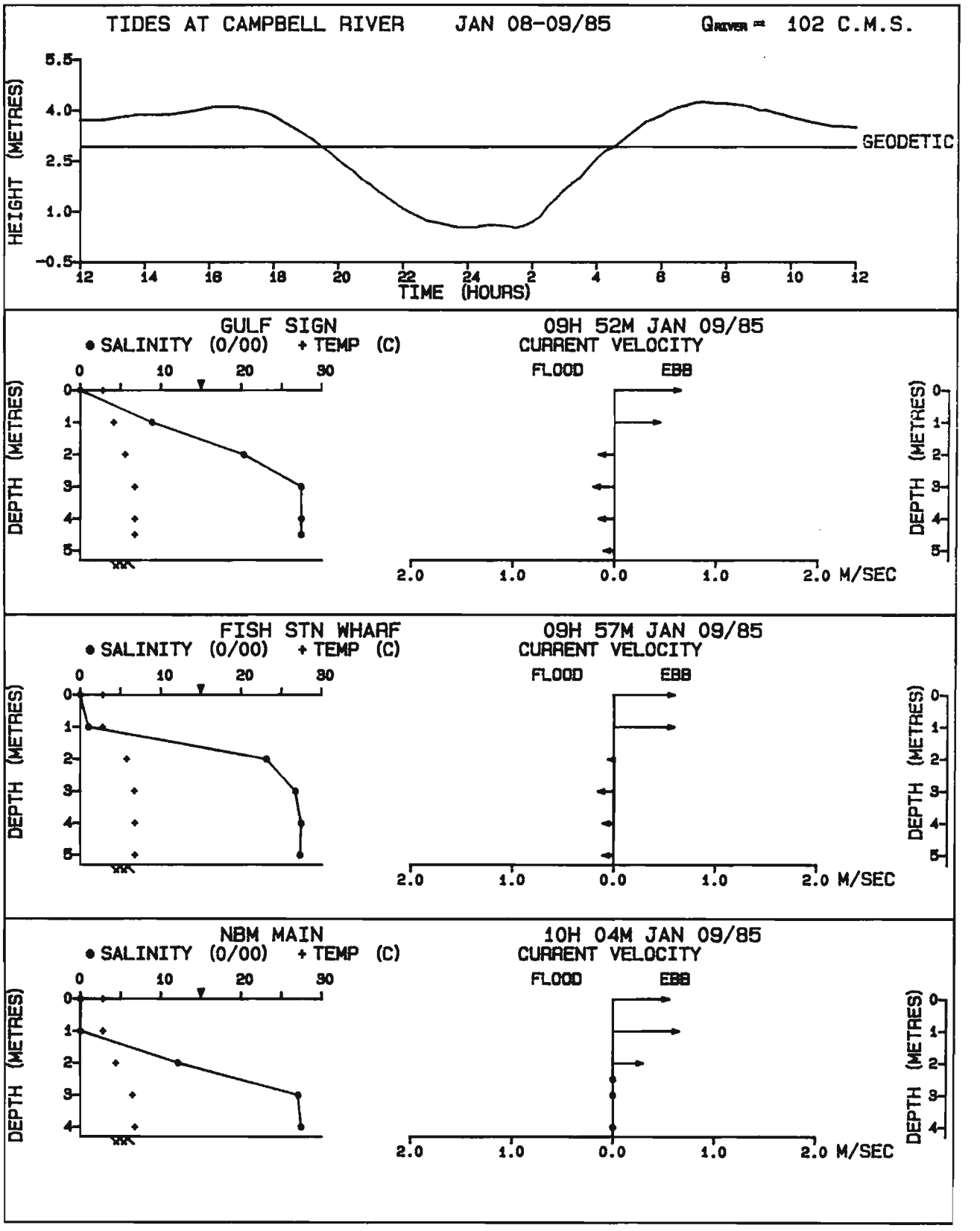
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



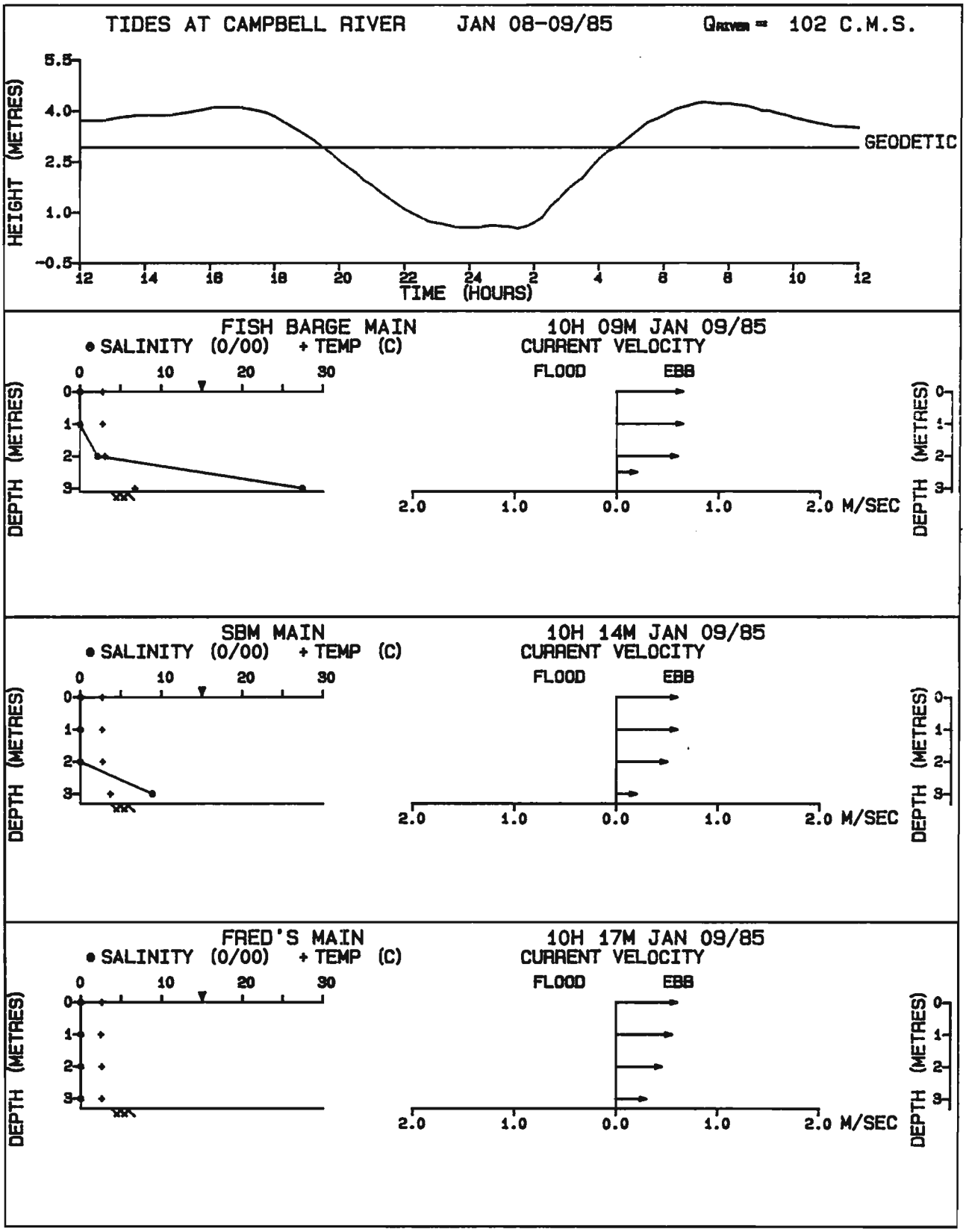
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



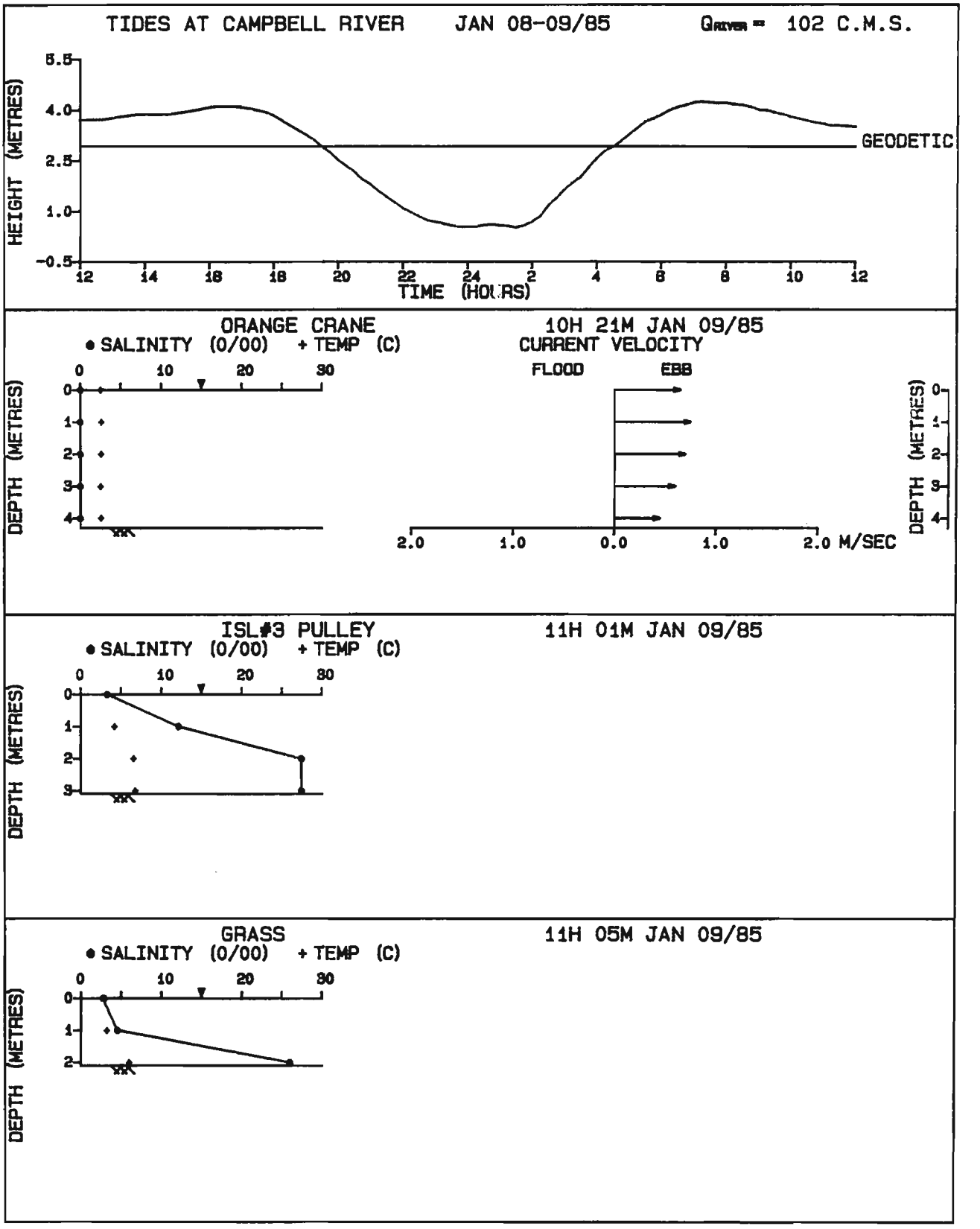
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



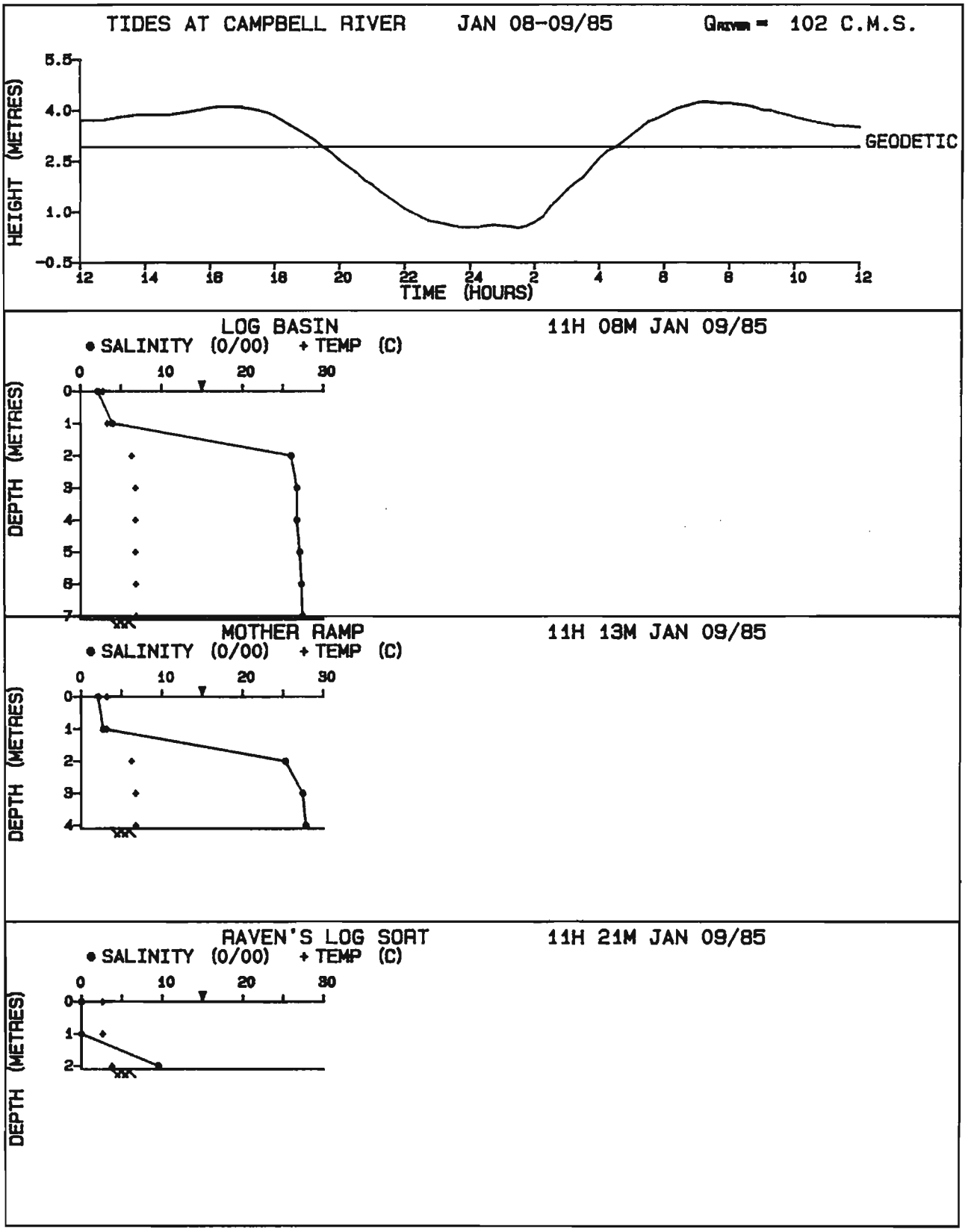
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



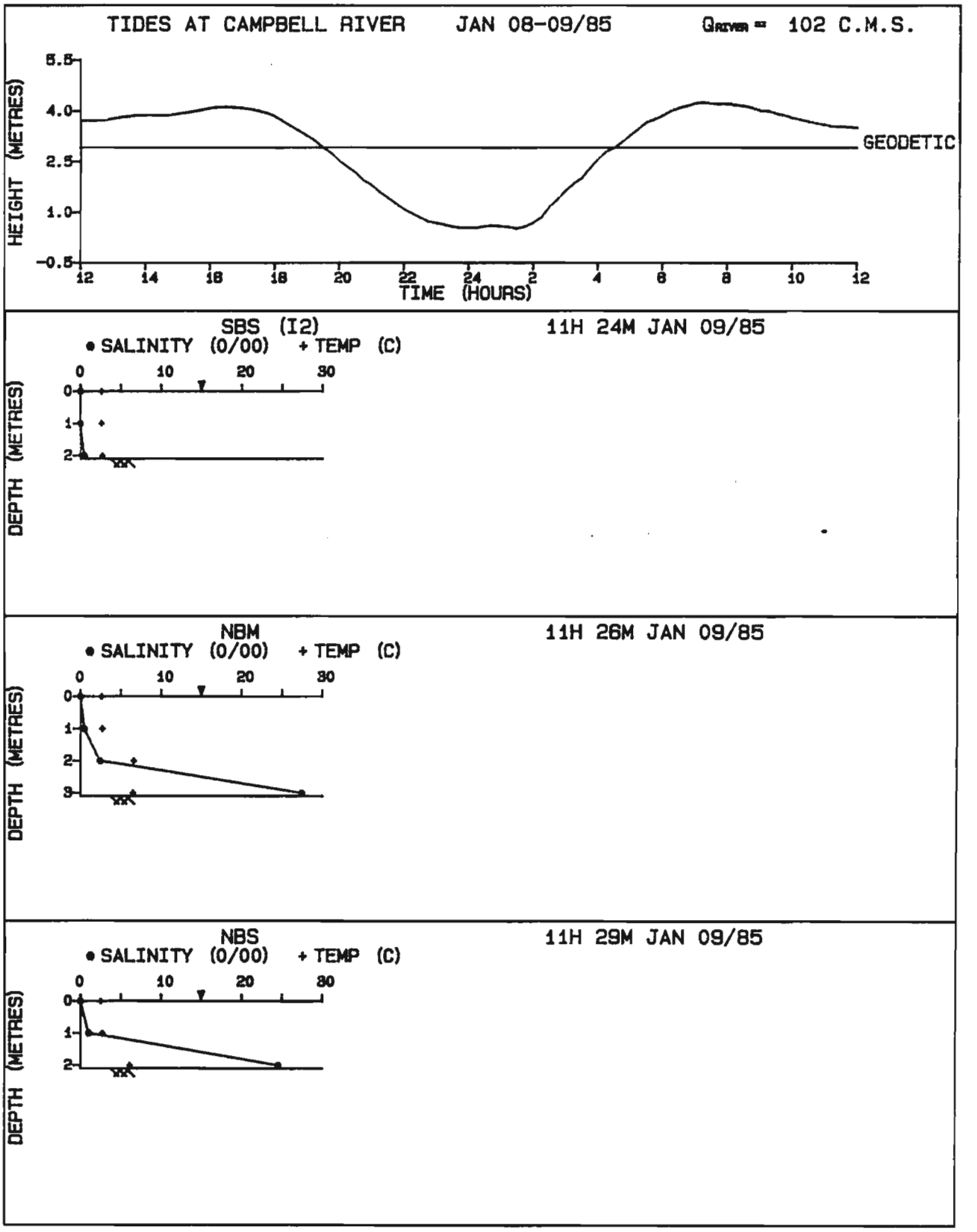
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



MAY 14/85 RIVER DISCHARGE = 49 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
TYEE PT	07H 46M	.0	3.40			
		.5	7.80			
		1.0	26.20			
		2.0	27.80			
		3.0	27.80			
		4.0	28.00			
RANGE MARKERS	07H 51M	.0	1.20		.40	E
		.5	2.70		.40	E
		1.0	6.00		.40	E
		1.5	9.80		.05	F
GULF SIGN	07H 55M	.0	.40		.65	E
		.5	1.30		.60	E
		1.0	1.90		.40	E
		2.0	28.20		.05	F
		2.5	29.40		.05	F
FISH STN WHARF	07H 59M	.0	.40		.50	E
		.5	1.30		.60	E
		1.0	1.90		.40	E
		2.0	28.90		.00	
		3.0	29.70		.05	F
NBM MAIN CHAN	08H 05M	.0	.30		.50	E
		.5	.30		.55	E
		1.0	.30		.60	E
		2.0	29.50		.00	
FISH BARGE	08H 08M	.0	.00		.50	E
		.5	.00		.50	E
		1.0	.20		.55	E
		1.5	.50		.55	E
SBM (MAIN CHAN)	08H 12M	.0	.10	4.5	.40	E
		.5	.10	4.0	.40	E
		1.0	.10	4.0	.70	E
RAVEN'S LOG SORT	08H 16M	.0	3.20	6.5		
		.5	7.50	7.0		
NBM	08H 22M	.0	2.10	8.5		
		.5	3.00	8.3		
		1.0	4.50	8.3		
		1.5	5.00	8.1		
NBS	08H 24M	.0	3.20	8.2		
		.5	3.80	8.5		

MAY 14/85 RIVER DISCHARGE = 49 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
MARINA RAMP	08H 28M	.0	3.30	8.0		
		.5	2.50	8.5		
		1.0	6.90	8.2		
		2.0	28.60	8.2		
MOTHER RAMP	08H 35M	.0	4.00	7.3		
		.5	4.50	7.2		
		1.0	5.00	7.5		
		2.0	28.70	8.1		
		3.0	29.80	8.1		
ISL #2	08H 41M	.0	.80	9.2		
		.5	3.00	8.6		
GRASS	08H 45M	.0	4.20	8.4		
		.5	4.80	8.3		
NUNS CREEK	08H 49M	.0	2.90	8.9		
		.5	3.20	8.5		
		1.0	3.50	8.5		
		2.0	22.50	9.0		
		3.0	29.00	9.0		
		4.0	29.80	9.0		
		5.0	29.80	9.0		
LOG BASIN	08H 51M	.0	3.70	7.7		
		.5	3.80	7.7		
		1.0	13.80	8.0		
		2.0	25.30	8.5		
		3.0	29.00	8.5		
		4.0	29.50	8.5		
		5.0	29.70	8.6		
NUNS ISLAND	08H 58M	.0	4.00	8.8		
		.5	4.40	8.5		
		1.0	5.30	8.2		
		2.0	29.20	8.5		
		3.0	29.70	8.8		
TYEE PT	09H 05M	.0	2.50	8.6		
		.5	25.80	8.6		
		1.0	28.60	8.8		
		2.0	30.00	8.8		
		3.0	30.00	8.8		
		4.0	30.00	8.8		
RANGE MARKERS	09H 10M	.0	1.50	8.8	.40	E
		.5	2.20	8.8	.40	E
		1.0	4.00	8.8	.20	E

MAY 14/85 RIVER DISCHARGE = 49 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
RANGE MARKERS	09H 10M	1.5	18.20	8.8		
GULF SIGN	09H 15M	.0	.00	9.0	.50	E
		.5	.80	8.9	.50	E
		1.0	1.20	8.8	.45	E
		2.0	27.20	8.8	.05	E
		3.0	29.80	8.8	.10	E
FISH STN WHARF	09H 20M	.0	.50	8.7	.40	E
		.5	.50	8.7	.50	E
		1.0	1.00	9.0	.50	E
		2.0	27.00	8.8	.05	F
		3.0	30.00	8.8	.00	
		4.0	30.00	8.8		
NBM (MAIN CHAN)	09H 25M	.0	.10	8.8	.40	E
		.5	.10	8.8	.30	E
		1.0	.10	8.8	.30	E
		2.0	1.50	8.8	.15	E
		2.5	29.40	8.8		
FISH BARGE	09H 28M	.0	.20	8.9	.50	E
		.5	.90	8.9	.50	E
		1.0	.90	8.9	.40	E
		1.5	.90	8.9	.30	E
TYEE PT	10H 33M	.0	1.50	9.2		
		.5	1.50	9.0		
		1.0	20.00	9.0		
		2.0	29.80	9.0		
		3.0	30.20	9.0		
		4.0	30.20	9.0		
RANGE MARKERS	10H 38M	.0	.00	9.5	.20	E
		.5	.90	9.2	.10	E
		1.0	2.80	9.2	.10	E
GULF SIGN	10H 40M	.0	.30	10.0	.30	E
		.5	.30	9.5	.40	E
		1.0	.40	9.4	.40	E
		2.0	17.20	9.3	.05	F
		2.5	27.40	9.3	.05	F
FISH STN WHARF	10H 45M	.0	.00	9.6	.30	E
		.5	.30	9.4	.30	E
		1.0	.30	9.3	.30	E
		2.0	24.80	9.3	.05	F
		3.0	28.50	9.1	.05	F

MAY 14/85 RIVER DISCHARGE = 49 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
NBM (MAIN CHAN)	10H 49M	.0	.00	9.4	.30	E
		.5	.20	9.4	.30	E
		1.0	.20	9.5	.30	E
		2.0	1.00	9.5	.10	E
		2.2	21.00	9.3		
FISH BARGE	10H 54M	.0	.10	9.5	.40	E
		.5	.20	9.5	.40	E
		1.0	.40	9.5	.30	E
		1.5	.40	9.5	.20	E
TYEE PT	12H 50M	.0	1.70	9.8		
		.5	18.50	9.4		
		1.0	24.10	9.2		
		2.0	28.30	8.8		
		3.0	28.50	8.8		
		4.0	28.80	8.8		
RANGE MARKERS	12H 55M	.0	.40	9.8	.10	E
		.5	1.80	9.5	.10	E
		1.0	6.00	9.1	.10	F
		2.0	26.50	9.5	.10	F
GULF SIGN	13H 02M	.0	.40	9.0	.20	E
		.5	.30	9.0	.20	E
		1.0	1.50	8.9	.20	E
		2.0	25.00	8.8	.15	F
		3.0	28.30	8.8		
FISH STN WHARF	13H 06M	.0	.10	9.5	.40	E
		.5	.40	9.0	.30	E
		1.0	1.00	9.0	.30	E
		1.5			.05	F
		2.0	25.20	8.9	.20	F
		3.0	28.10	8.7	.10	F
		3.5	28.30	8.9	.05	F
NBM (MAIN CHAN)	13H 12M	.0	.20	9.3	.50	E
		.5	.20	9.0	.40	E
		1.0	.20	8.9	.40	E
		1.7			.05	F
		2.0	26.30	8.8	.10	F
		3.0	28.30	8.7	.05	F
FISH BARGE	13H 17M	.0	.10	9.2	.40	E
		.5	.10	9.0	.40	E
		1.0	.30	9.0	.35	E
		2.0	27.30	8.8	.00	

MAY 14/85 RIVER DISCHARGE = 49 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
SBM (MAIN CHAN)	13H 22M	.0	.00	9.2	.20	E
		.5	.00	9.1	.30	E
		1.0	.00	9.1	.20	E
		1.5	.50	9.1		
TYEE PT	13H 40M	.0	19.00	9.8		
		.5	28.40	7.8		
		1.0	29.00	7.8		
		2.0	29.40	7.8		
		3.0	29.40	7.8		
RANGE MARKERS	13H 45M	.0	1.50	9.0	.30	E
		.5	2.10	9.0	.20	E
		1.0	12.50	8.9	.10	E
		1.1			.00	
		1.5			.05	F
		2.0	28.80	8.9	.10	F
		2.5	29.20	8.9	.10	F
GULF SIGN	13H 54M	.0	.60	9.8	.40	E
		.5	.90	9.3	.30	E
		1.0	9.80	9.0	.15	E
		1.6			.10	F
		2.0	27.20	9.0	.10	F
		3.0	28.80	8.9	.10	F
FISH STN WHARF	14H 00M	.0	.30	9.0	.40	E
		.5	.90	8.9	.40	E
		1.0	6.80	8.9	.30	E
		1.5			.05	F
		2.0	27.50	8.9	.10	F
		3.0	28.80	8.3	.10	F
		3.5	29.00	8.3	.10	F
NBM (MAIN CHAN)	14H 07M	.0	.10	9.0	.40	E
		.5	.30	8.7	.40	E
		1.0	.30	8.7	.40	E
		1.5			.02	F
		2.0	28.00	8.9	.05	F
		3.0	28.40	8.5	.10	F
FISH BARGE	14H 12M	.0	.00	9.1	.40	E
		.5	.10	8.9	.40	E
		1.0	.30	8.8	.40	E
		1.5			.05	E
		2.0	28.10	8.8	.02	F
SBM (MAIN CHAN)	14H 18M	.0	.00	8.2	.40	E
		.5	.00	8.4	.40	E

MAY 14/85 RIVER DISCHARGE = 49 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
SBM (MAIN CHAN)	14H 18M	1.0	.10	8.6	.40	E
		1.5	1.50	8.5	.30	E
TYEE PT	14H 27M	.0	22.30	9.2		
		.5	24.90	9.2		
		1.0	25.10	9.8		
		2.0	29.20	9.8		
		3.0	29.30	9.1		
		4.0	29.30	9.0		
RANGE MARKERS	14H 38M	.0	2.00	9.4	.30	E
		.5	4.90	9.3	.30	E
		1.0	14.20	9.0	.15	E
		2.0	28.70	9.0	.05	E
GULF SIGN	14H 46M	.0	.50	9.8	.60	E
		.5	1.00	9.7	.50	E
		1.0	11.20	9.2	.30	E
		2.0	28.70	9.0	.00	
		2.5			.00	
		3.0	29.00	8.8	.02	F
FISH STN WHARF	14H 52M	.0	.60	9.3	.40	E
		.5	.80	9.3	.40	E
		1.0	5.80	9.3	.40	E
		2.0	28.30	9.0	.02	E
		3.0	28.80	9.0	.05	F
		3.5	28.90	8.6	.10	F
NBM (MAIN CHAN)	14H 59M	.0	.00	9.1	.45	E
		.5	.20	9.0	.45	E
		1.0	1.20	9.2	.50	E
		2.0	28.20	8.9	.10	F
		3.0	28.50	8.9	.05	F
FISH BARGE	15H 05M	.0	.00	9.5	.55	E
		.5	.20	9.5	.55	E
		1.0	.30	9.5	.45	E
		2.0	28.00	9.5	.05	F
		2.5	28.30	9.3		
SBM (MAIN CHAN)	15H 12M	.0	.00	9.3	.50	E
		.5	.00	9.3	.30	E
		1.0	.00	9.4	.30	E
		1.5	.00	9.4	.30	E
RAVEN'S LOG SORT	15H 18M	.0	.50	10.1		
		.5	1.50	11.8		
		1.0	1.50	11.8		

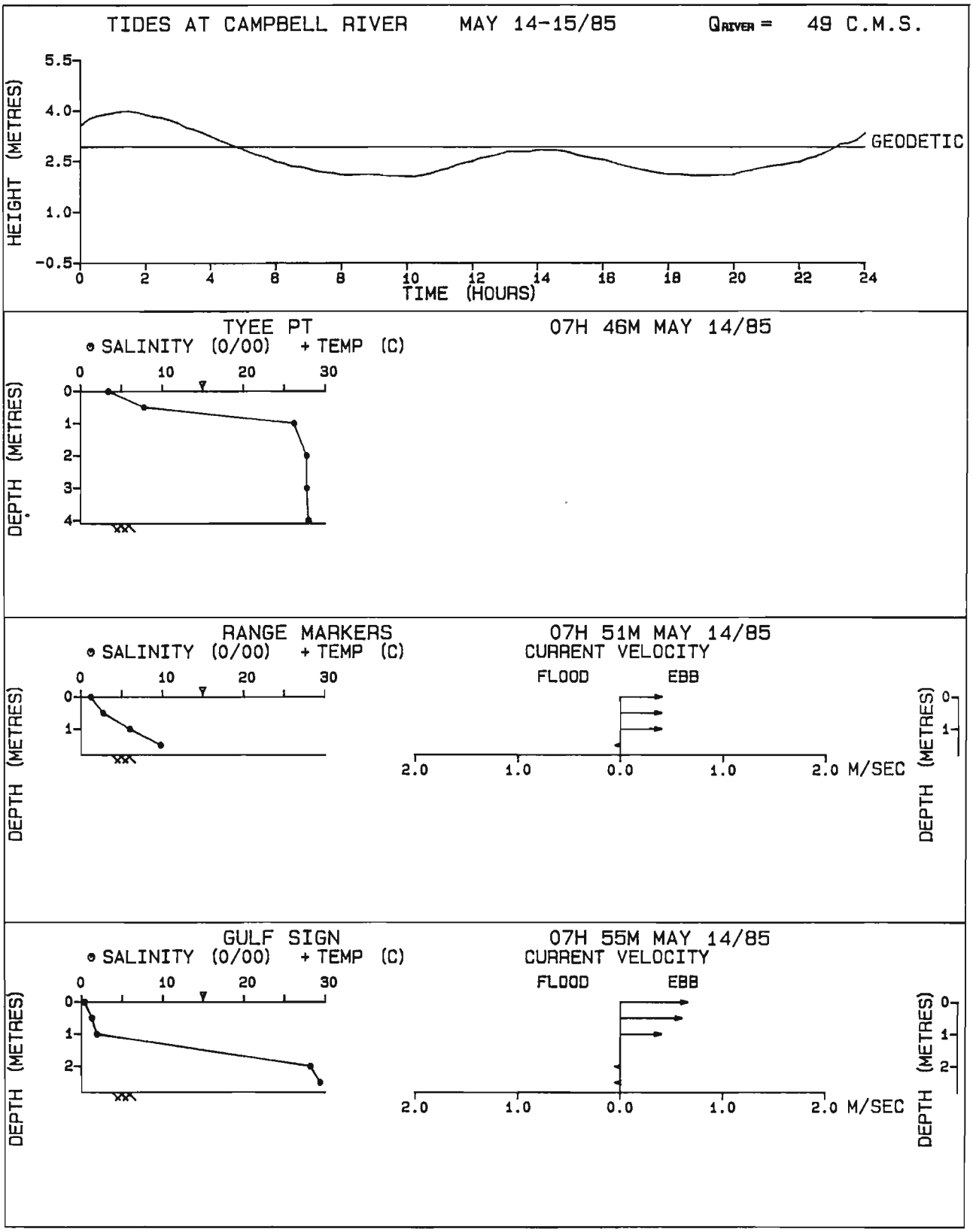
MAY 14/85 RIVER DISCHARGE = 49 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
NBM	15H 25M	.0	.80	11.4		
		.5	1.20	10.5		
		1.0	2.40	10.5		
		2.0	27.50	8.7		
NBS	15H 28M	.0	1.40	12.0		
		.5	1.40	12.1		
		1.0	2.90	12.2		
MARINA RAMP	15H 30M	.0	1.80	12.8		
		1.0	3.40	9.8		
		2.0	26.70	9.2		
		2.5	27.40	9.2		
MOTHER RAMP	15H 40M	.0	4.20	9.0		
		.5	6.00	10.0		
		1.0	16.20	10.2		
		2.0	28.20	9.0		
		2.5	29.20	9.0		
NUNS ISLAND	15H 44M	.0	6.30	10.2		
		.5	7.20	10.1		
		1.0	14.40	9.8		
		2.0	22.60	9.8		
NUNS CREEK	15H 47M	.0	2.40	10.8		
		.5	2.90	10.8		
		1.0	16.00	9.8		
		2.0	21.10	9.6		
		3.0	27.90	8.9		
		4.0	28.40	8.9		
LOG BASIN	15H 50M	.0	3.00	11.2		
		.5	3.00	11.2		
		1.0	16.20	10.9		
		2.0	21.60	9.8		
		3.0	27.10	9.8		
		4.0	27.90	9.0		
		5.0	28.20	9.0		
TYEE PT	15H 57M	.0	3.50	10.8		
		.5	10.30	10.5		
		1.0	26.60	10.3		
		2.0	29.10	9.8		
		3.0	29.20	9.8		
RANGE MARKERS	16H 00M	.0	1.10	10.8	.40	E
		.5	3.90	10.8	.40	E
		1.0	10.10	10.0	.25	E

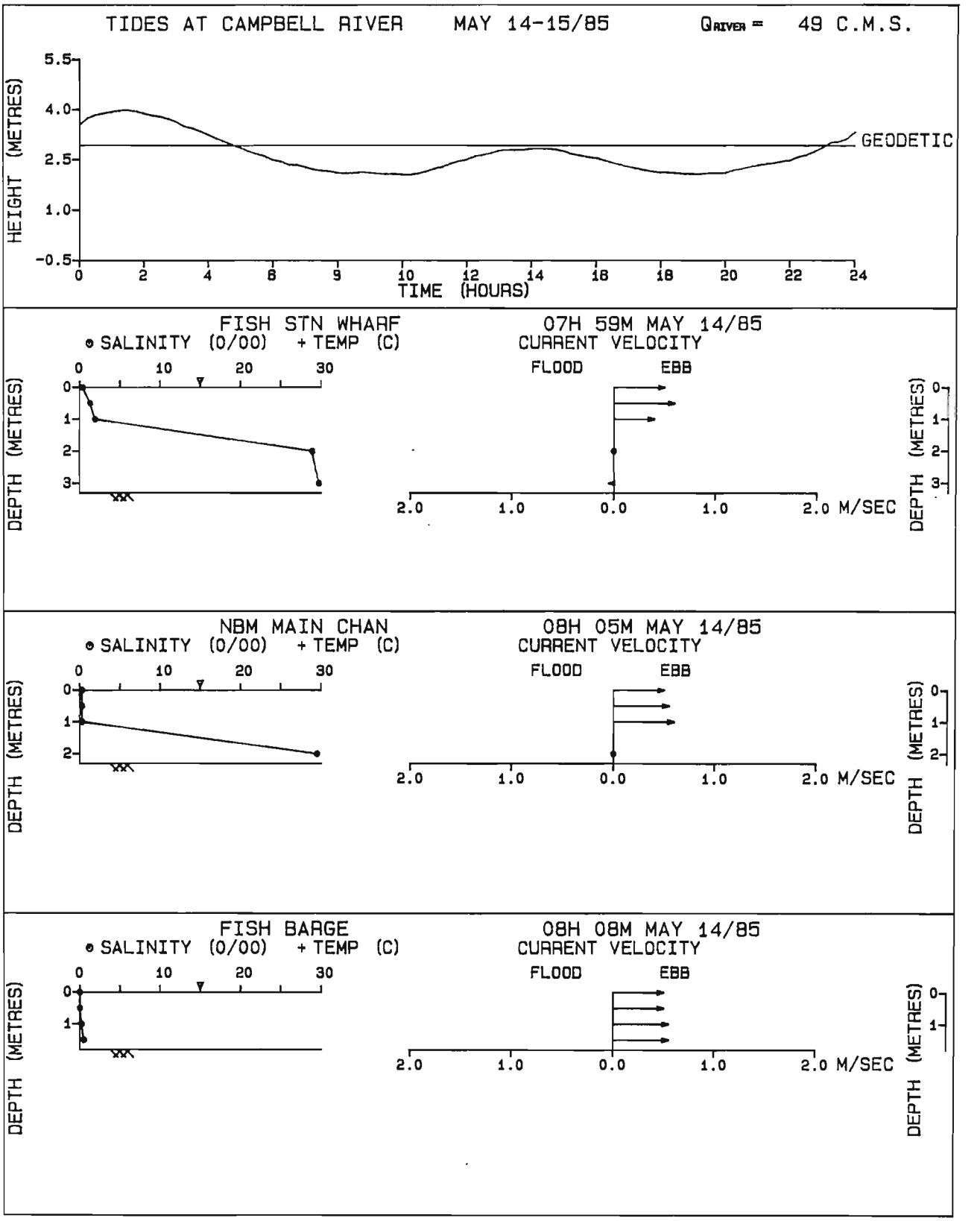
MAY 14/85 RIVER DISCHARGE = 49 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
RANGE MARKERS	16H 00M	1.5	10.10	10.0	.10	E
GULF SIGN	16H 05M	.0	.20	10.5	.45	E
		.5	1.00	10.5	.45	E
		1.0	6.50	10.2	.40	E
		2.0	7.30	10.2	.10	E
		3.0	28.70	9.7	.10	E
		4.0	29.40	9.8		
FISH STN WHARF	16H 11M	.0	.10	10.0	.40	E
		.5	1.00	10.0	.40	E
		1.0	1.70	10.2	.45	E
		2.0	28.70	10.2	.05	E
		3.0	29.10	9.7	.00	
NBM (MAIN CHAN)	16H 15M	.0	.00	10.0	.40	E
		.5	.20	9.9	.50	E
		1.0	.20	9.9	.50	E
		2.0	28.40	9.9	.05	F
FISH BARGE	16H 17M	.0	.00	10.0	.45	E
		.5	.10	9.9	.45	E
		1.0	.20	9.9	.40	E
		2.0	26.00	9.9	.10	E
SBM (MAIN CHAN)	16H 20M	.0	.00	10.0	.50	E
		.5	.00	9.8	.50	E
		1.0	.00	9.8	.40	E
		1.5	.00	9.8	.40	E

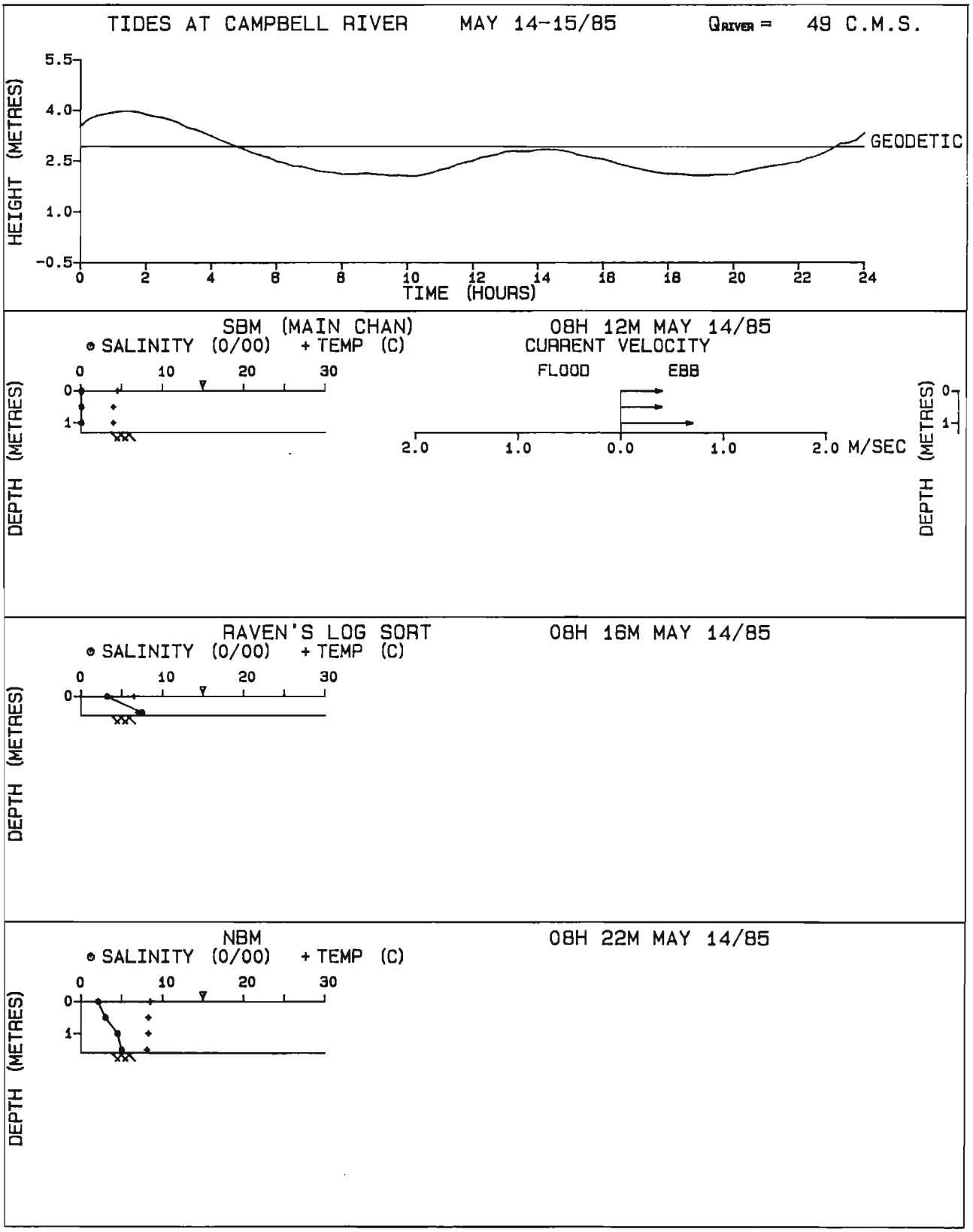
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



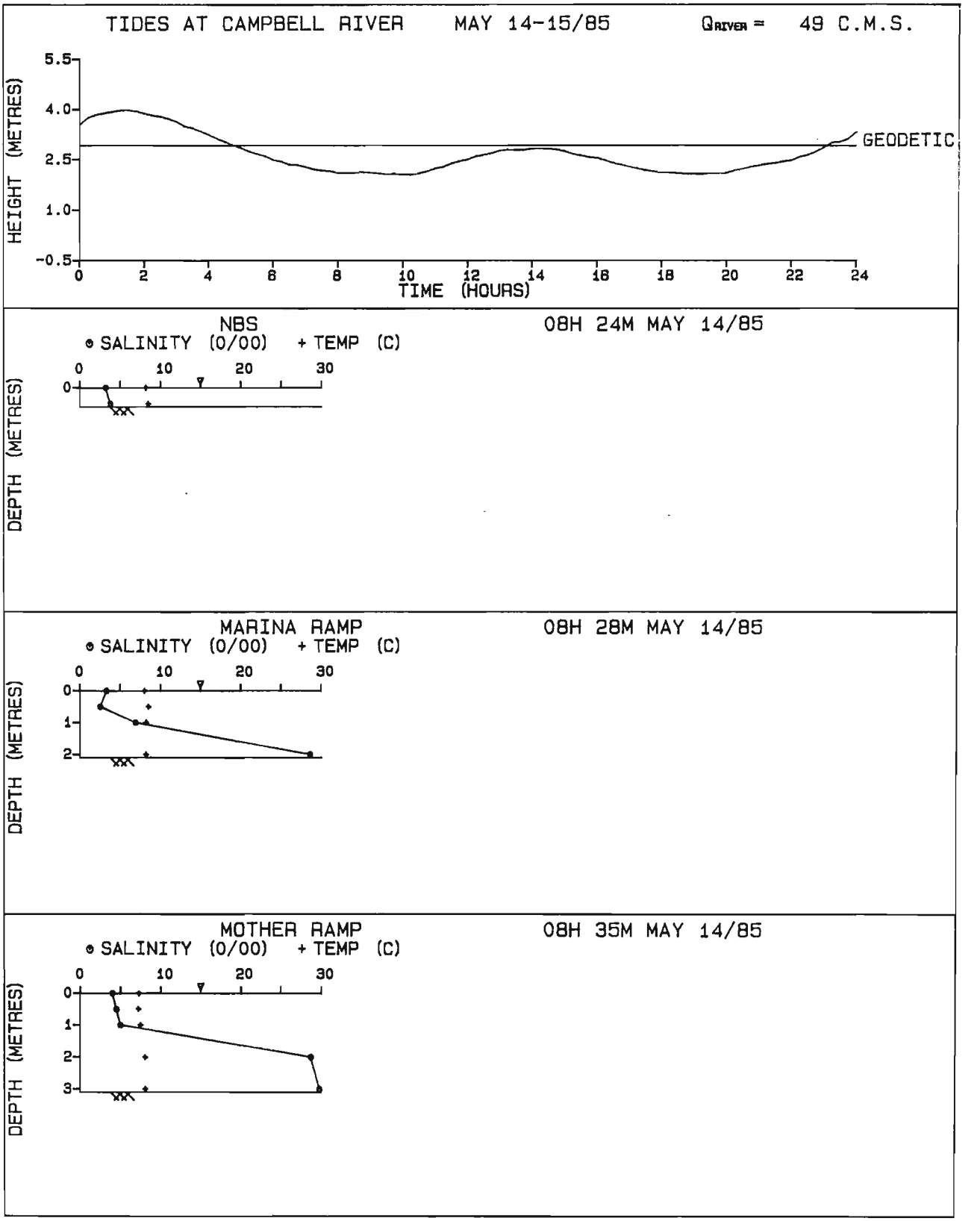
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



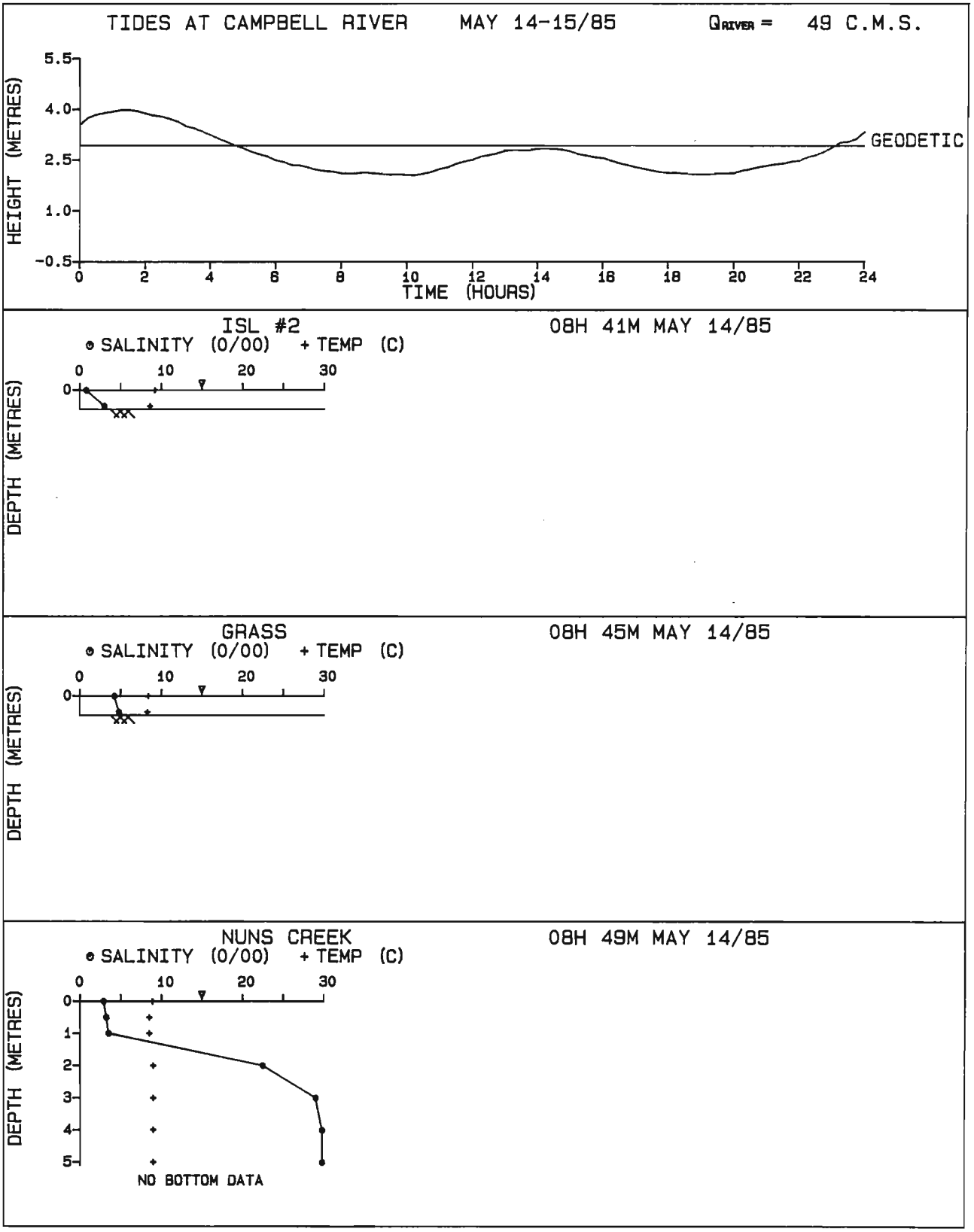
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



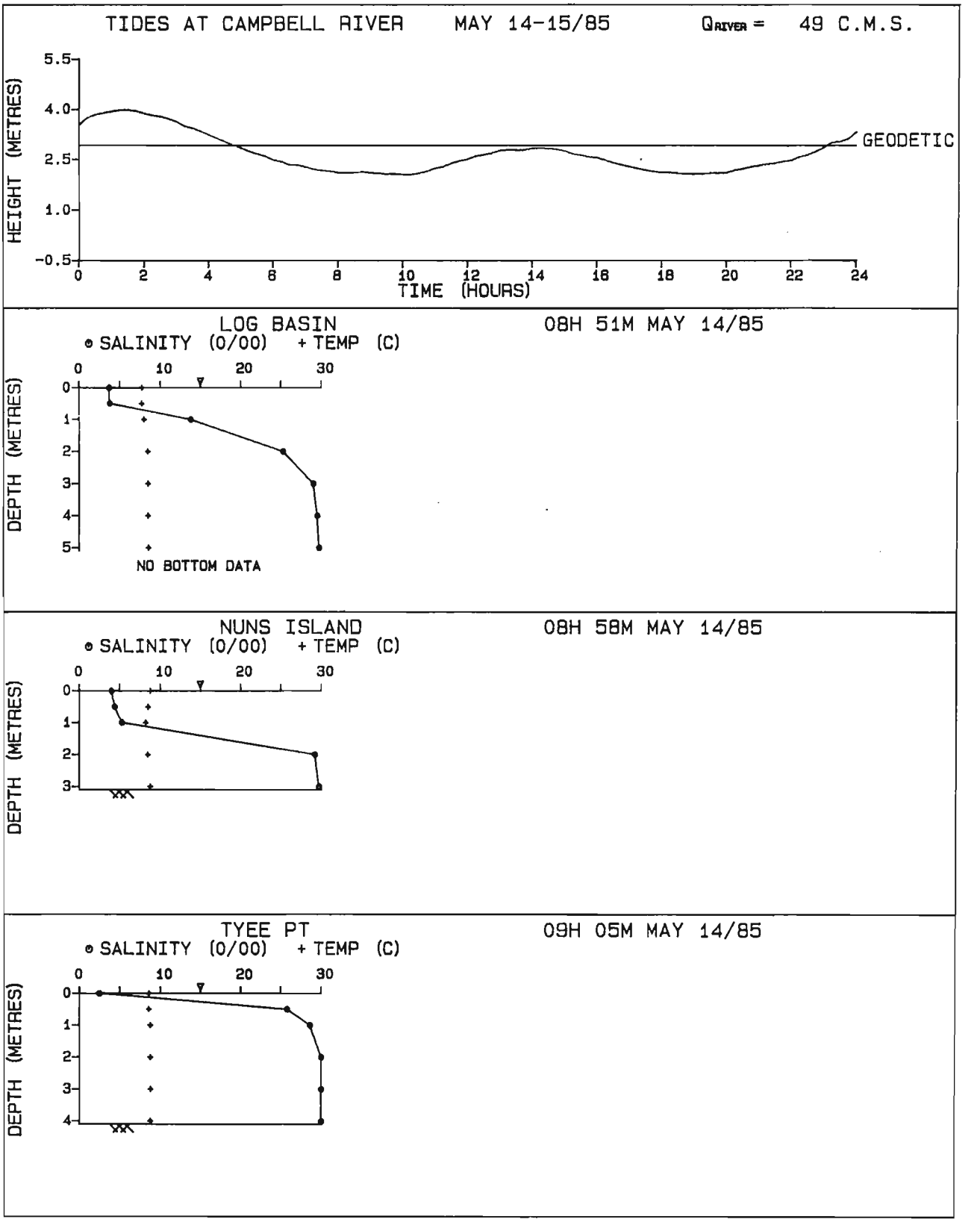
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



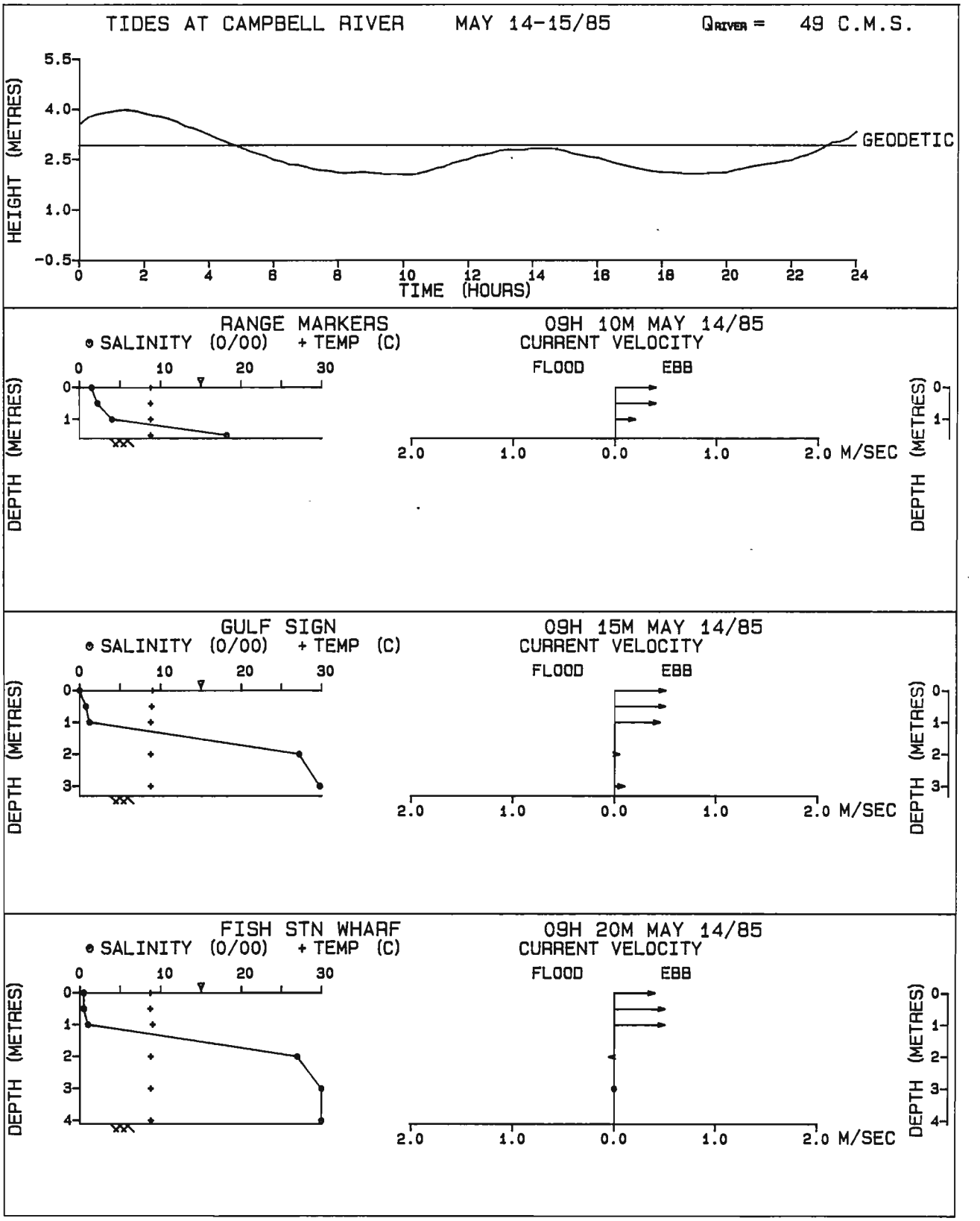
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



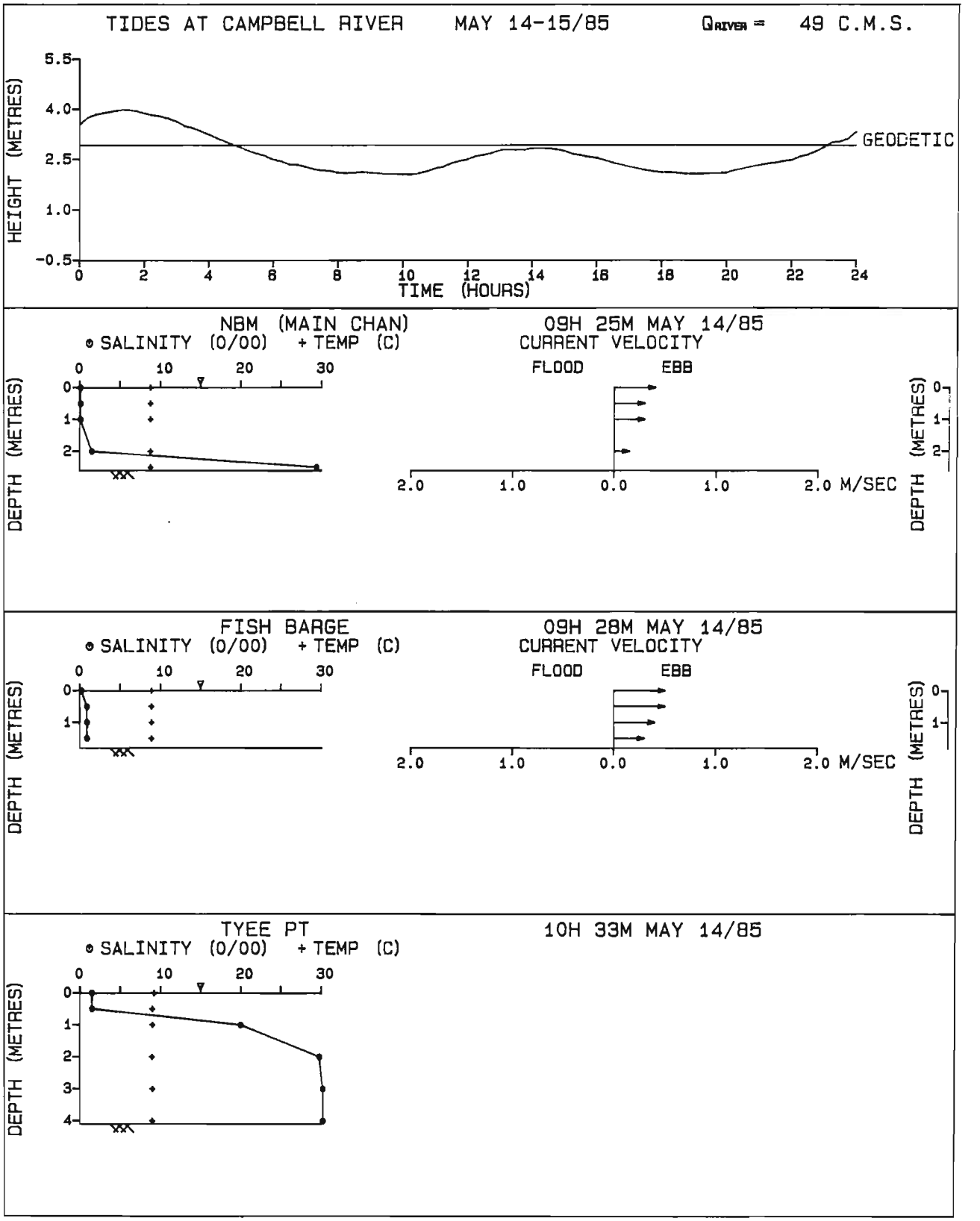
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



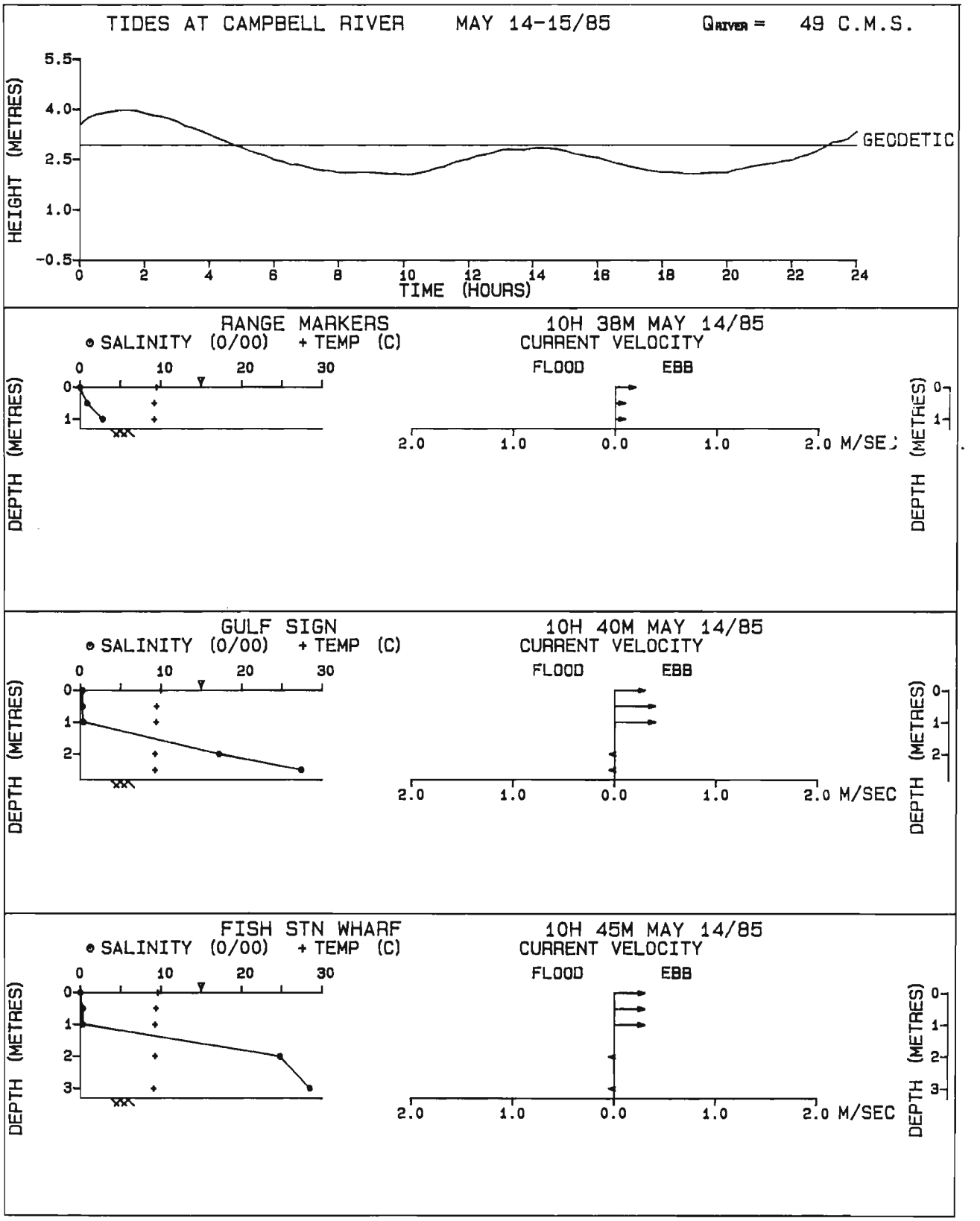
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



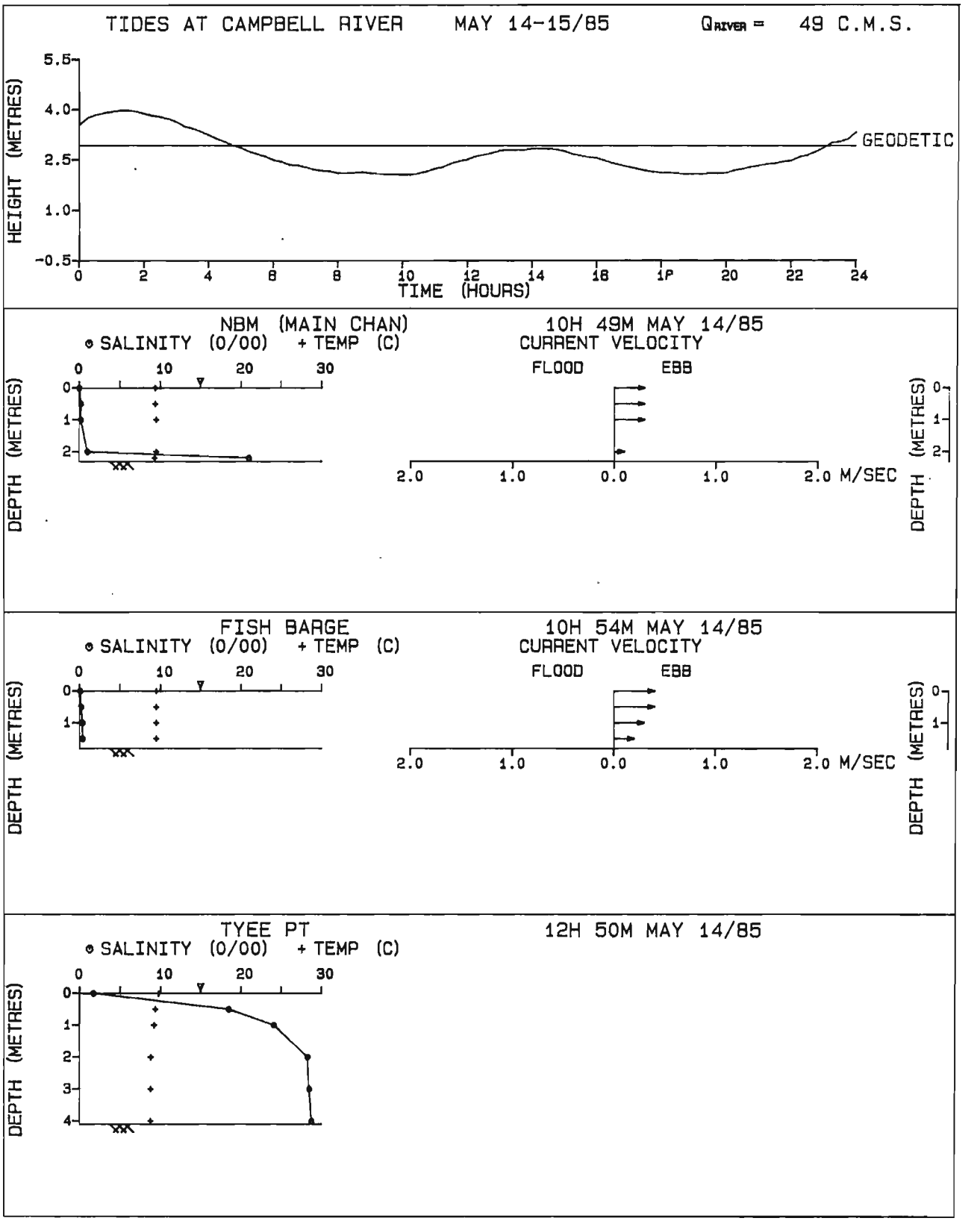
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



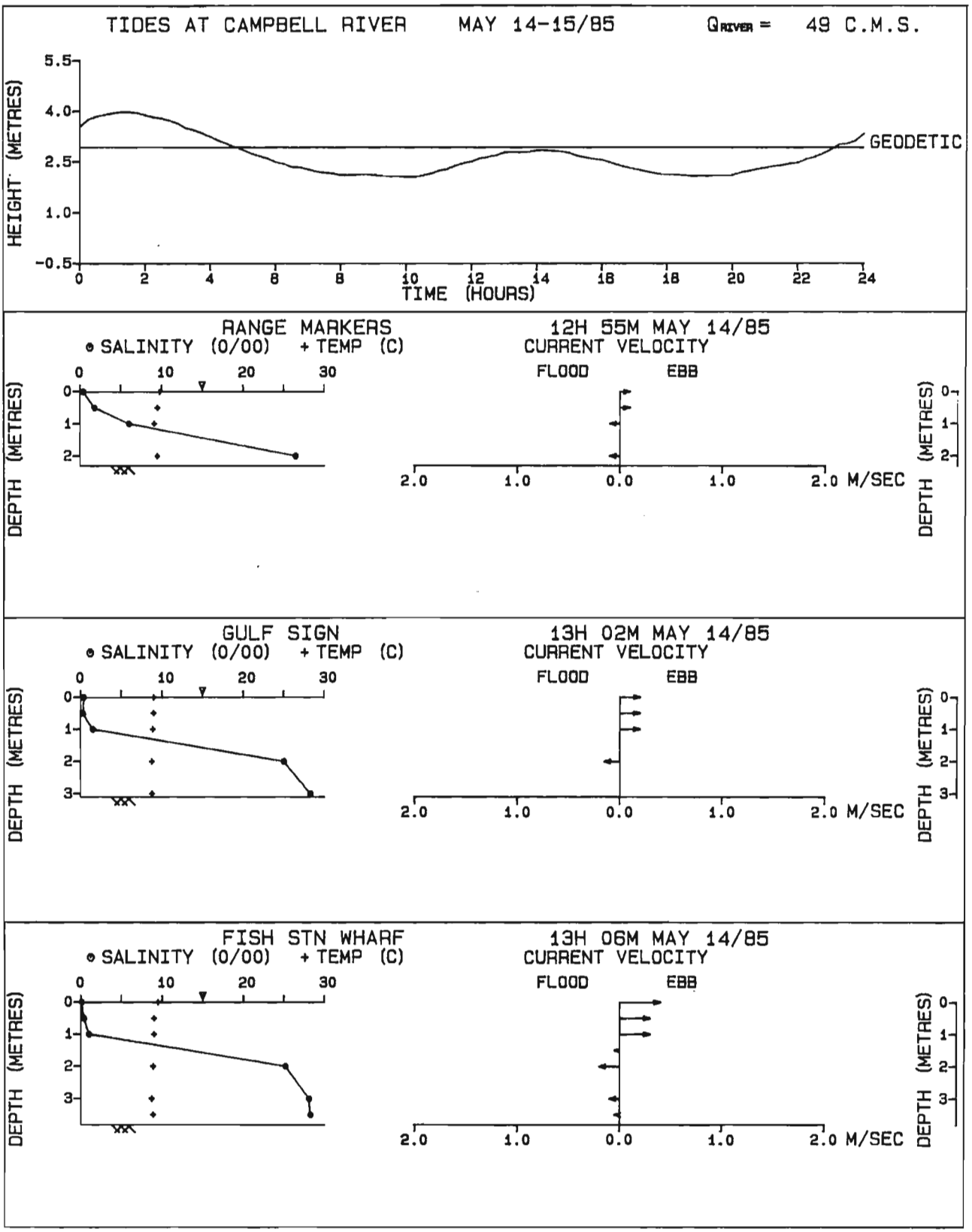
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



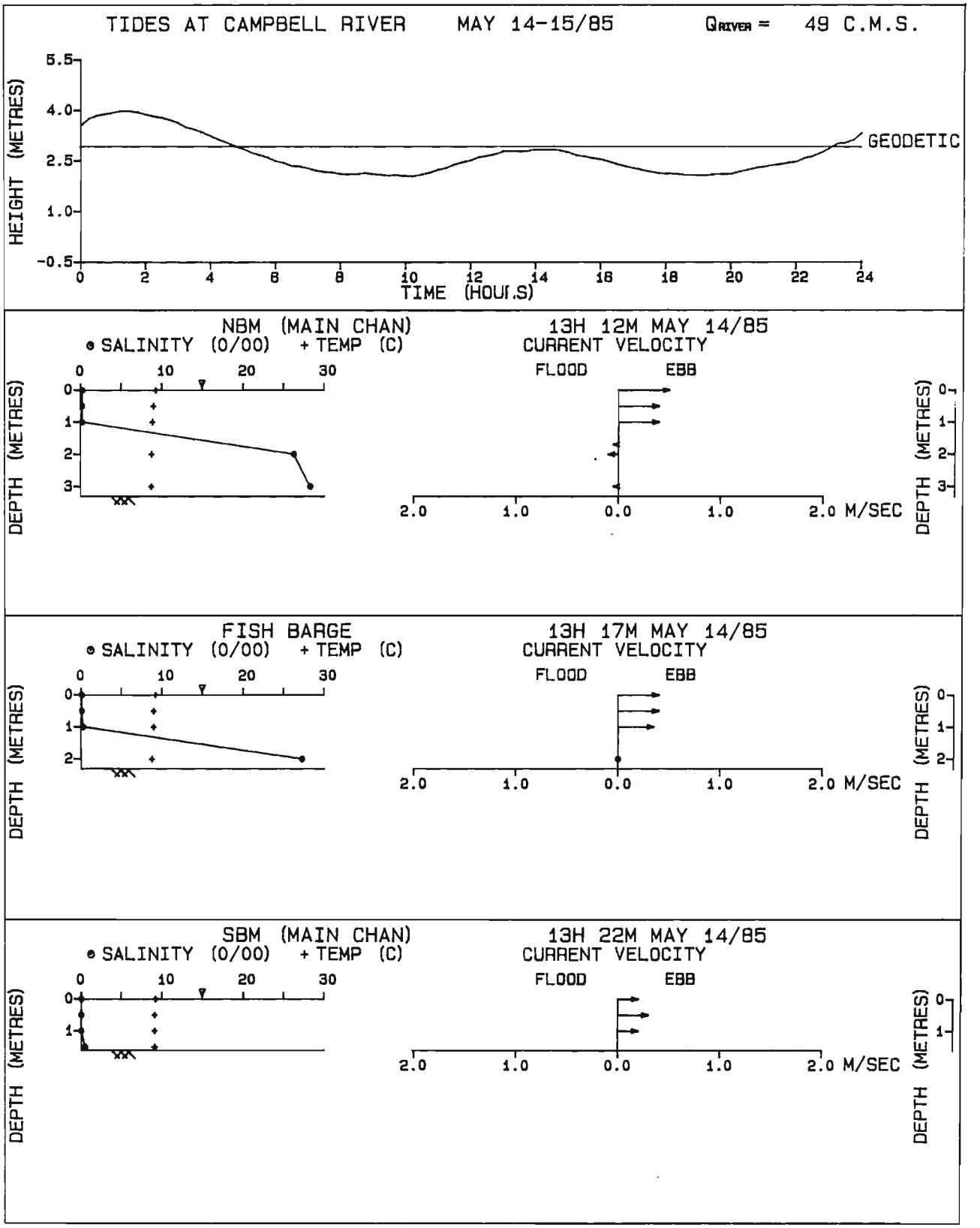
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



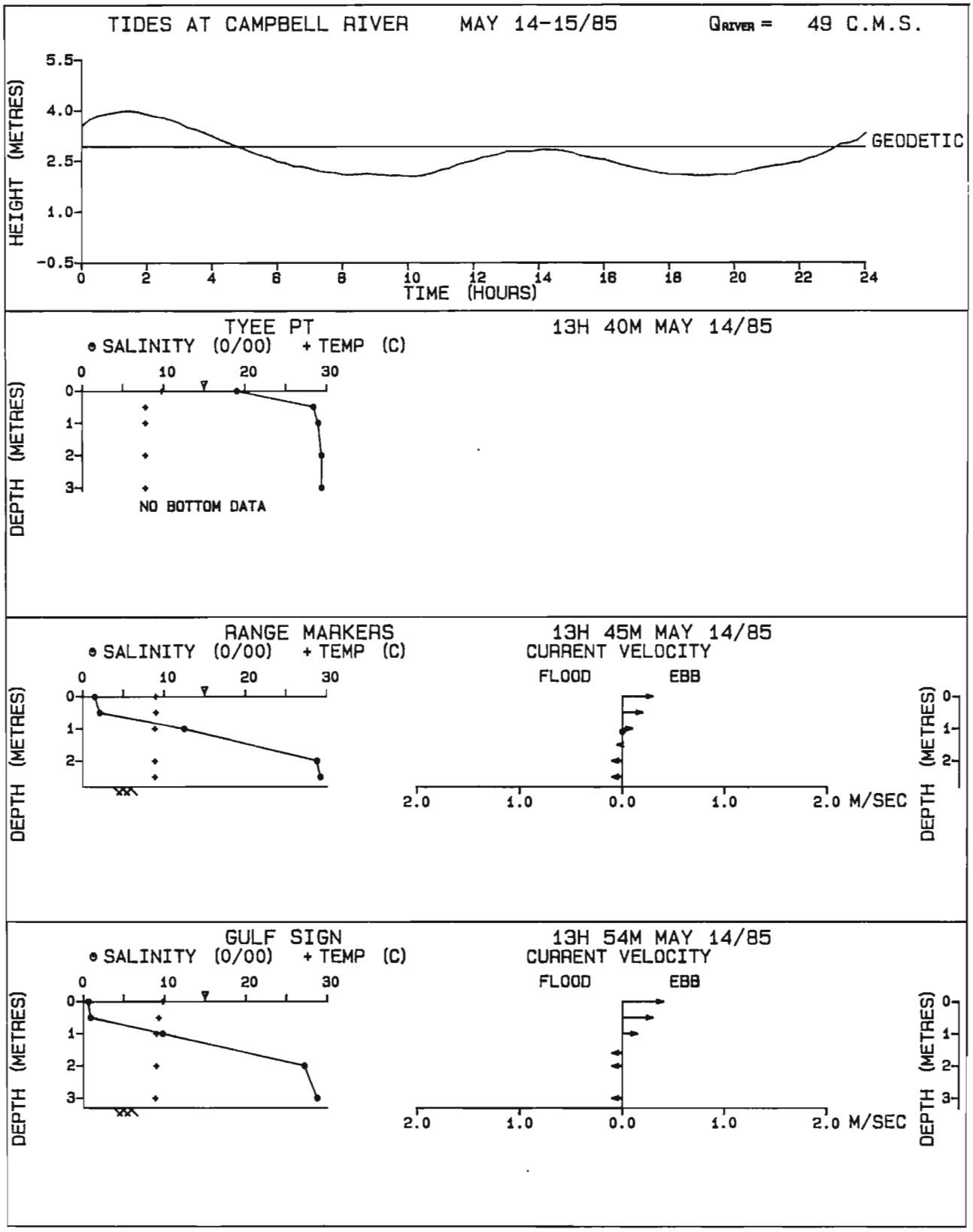
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



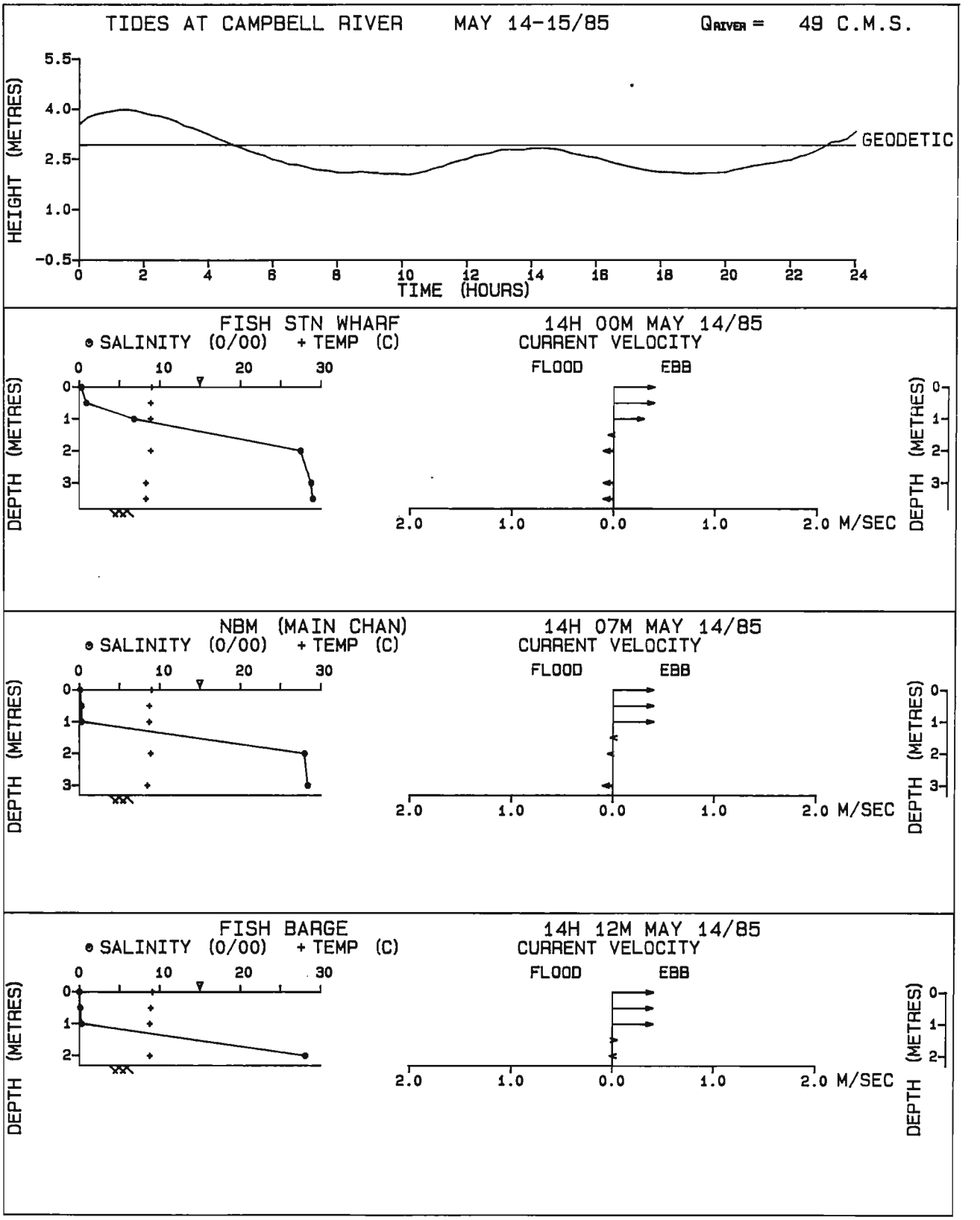
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



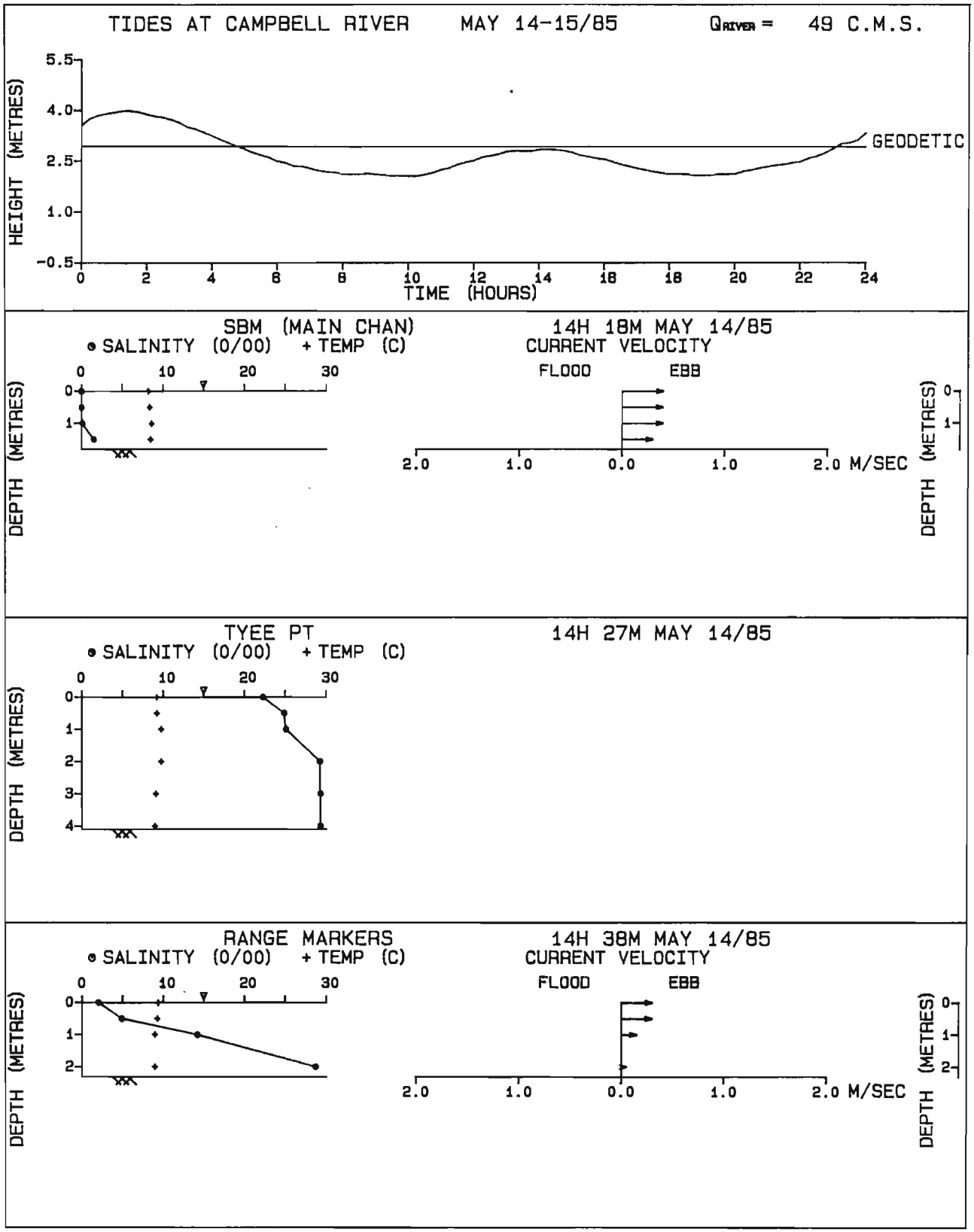
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



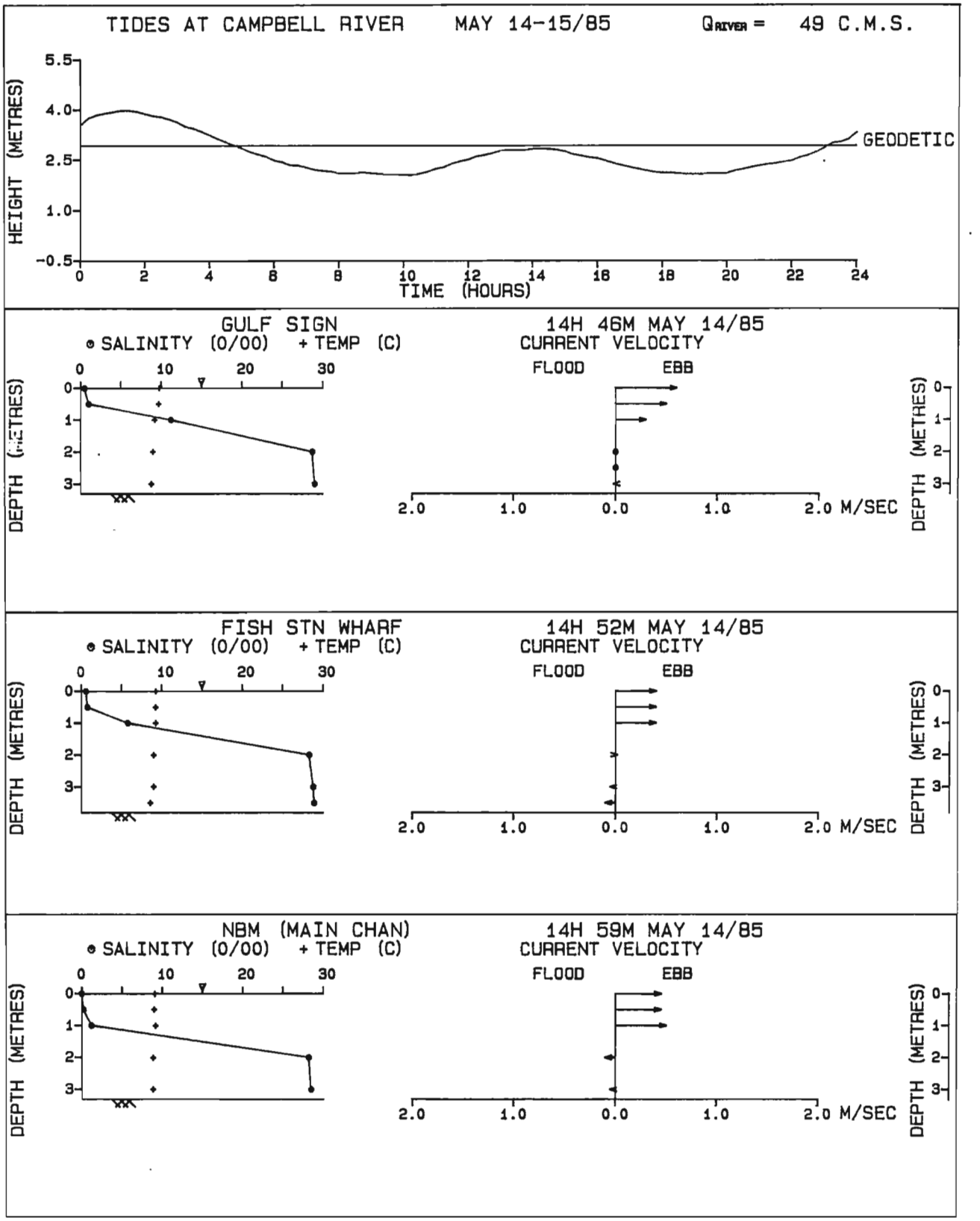
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



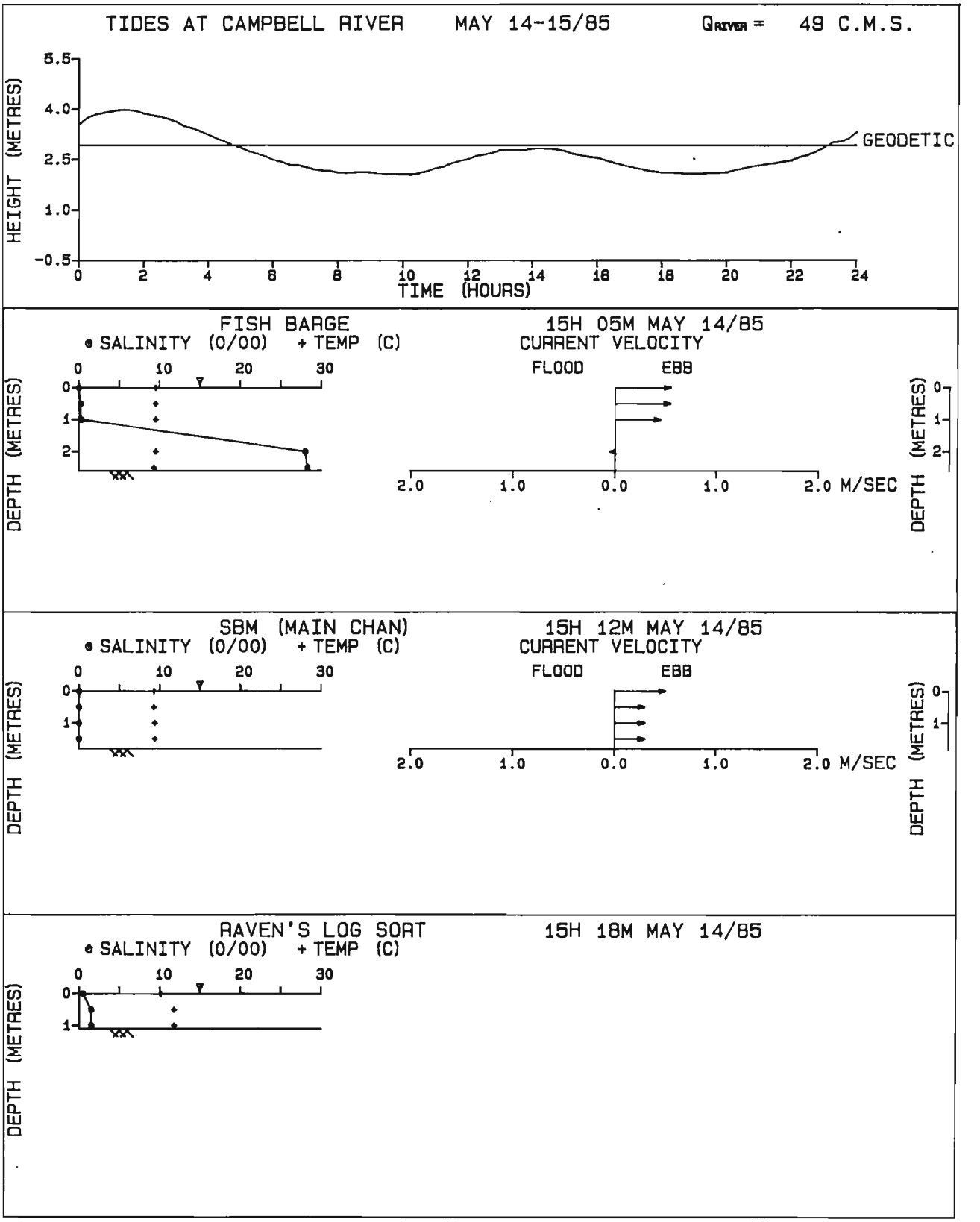
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



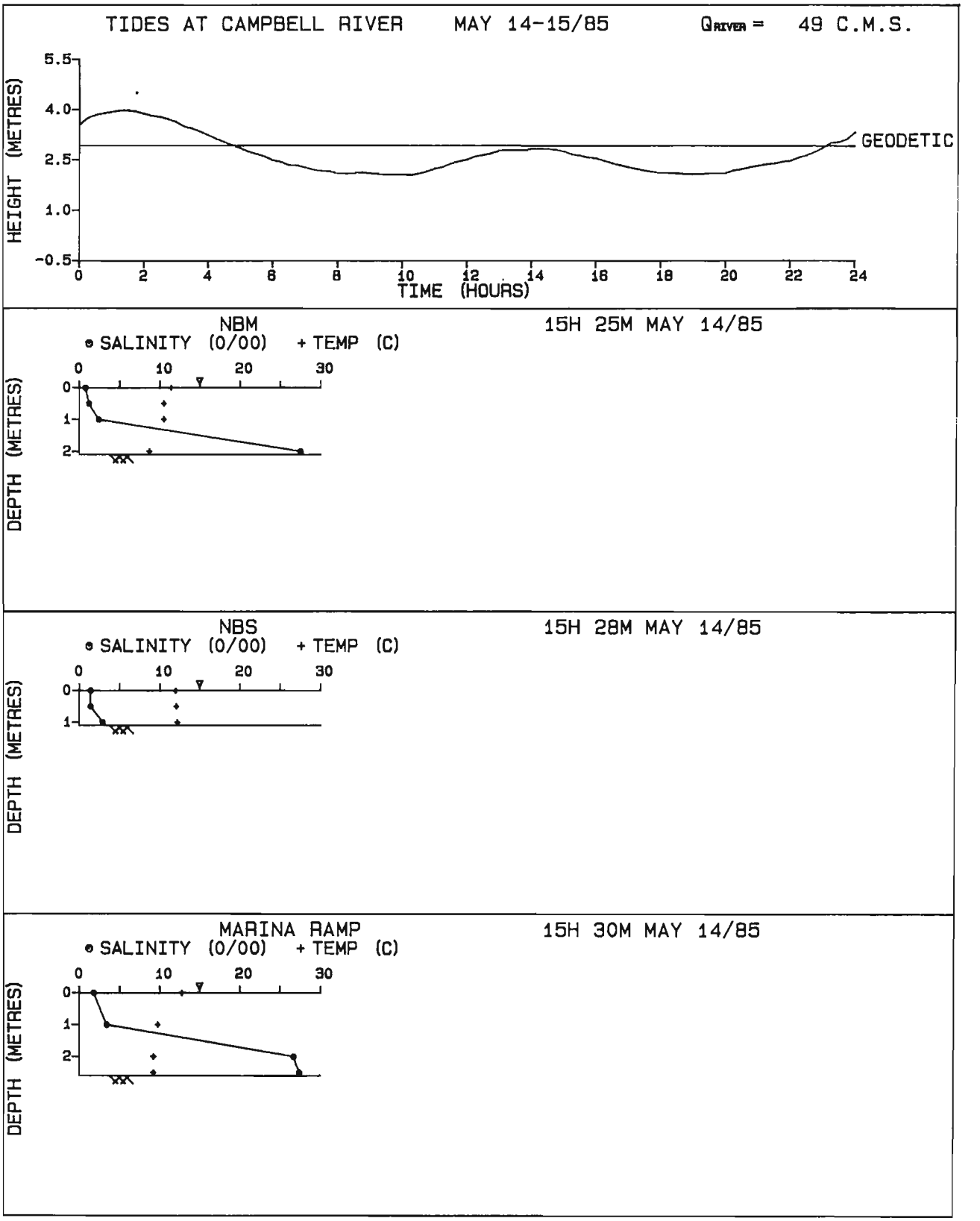
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



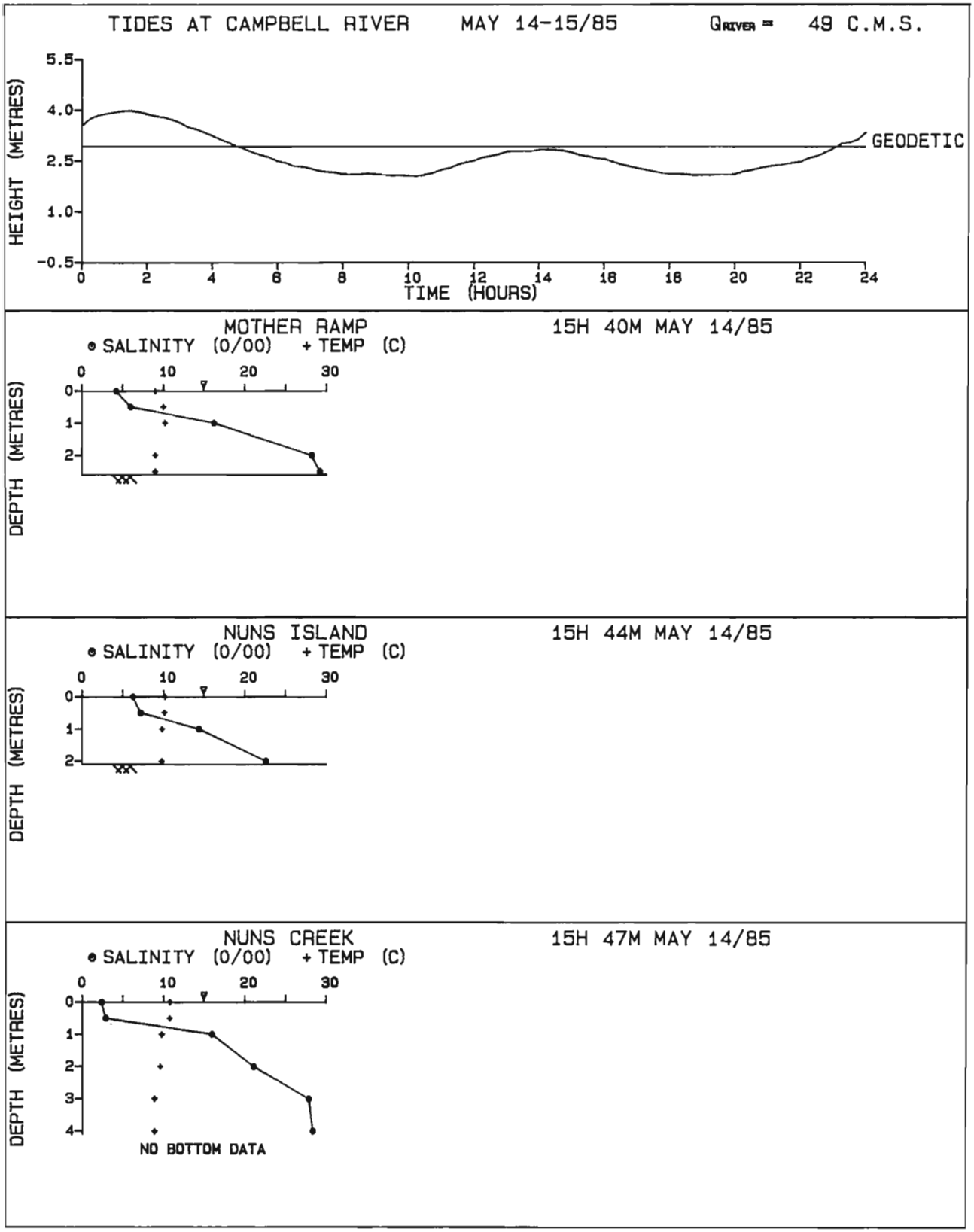
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



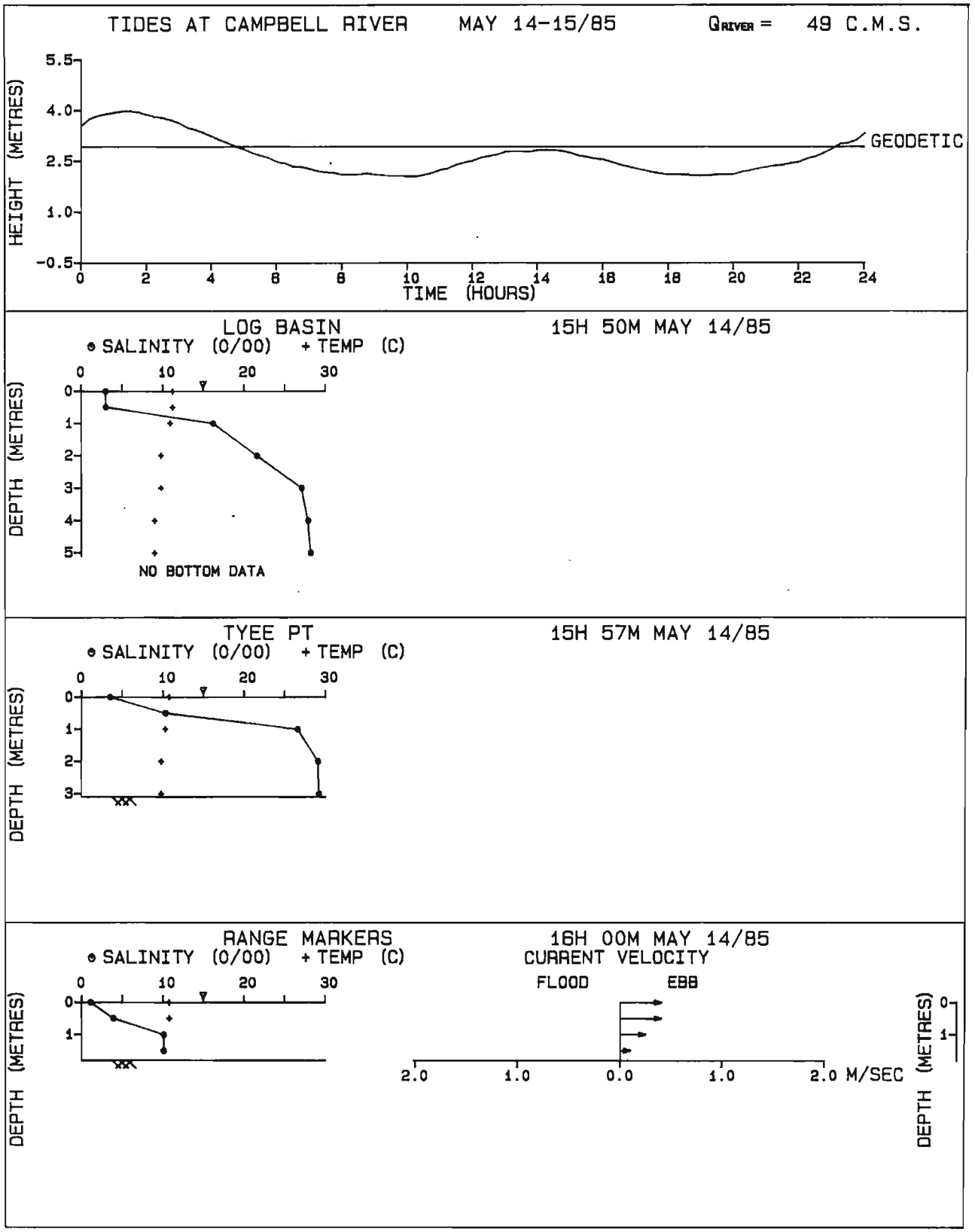
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



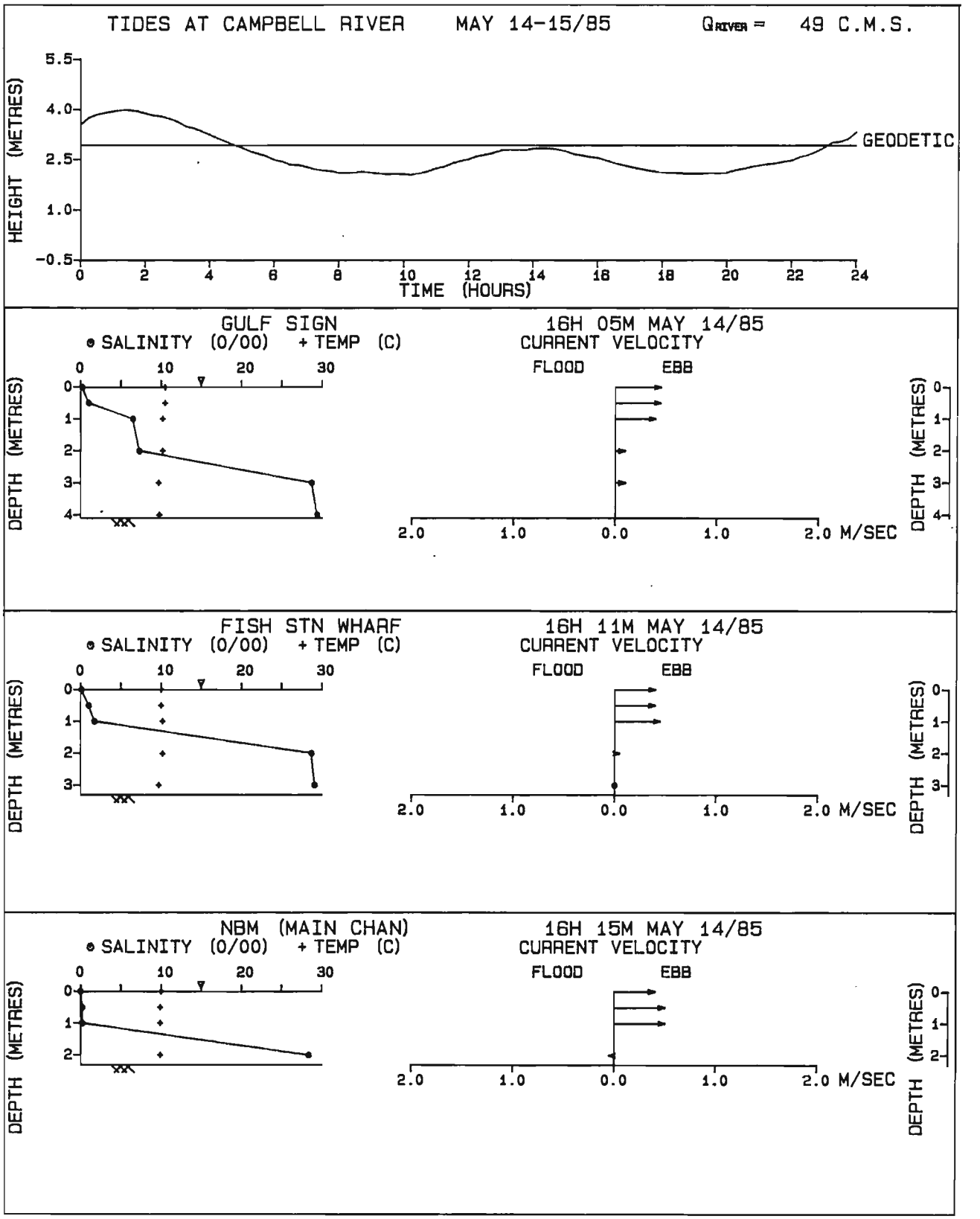
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



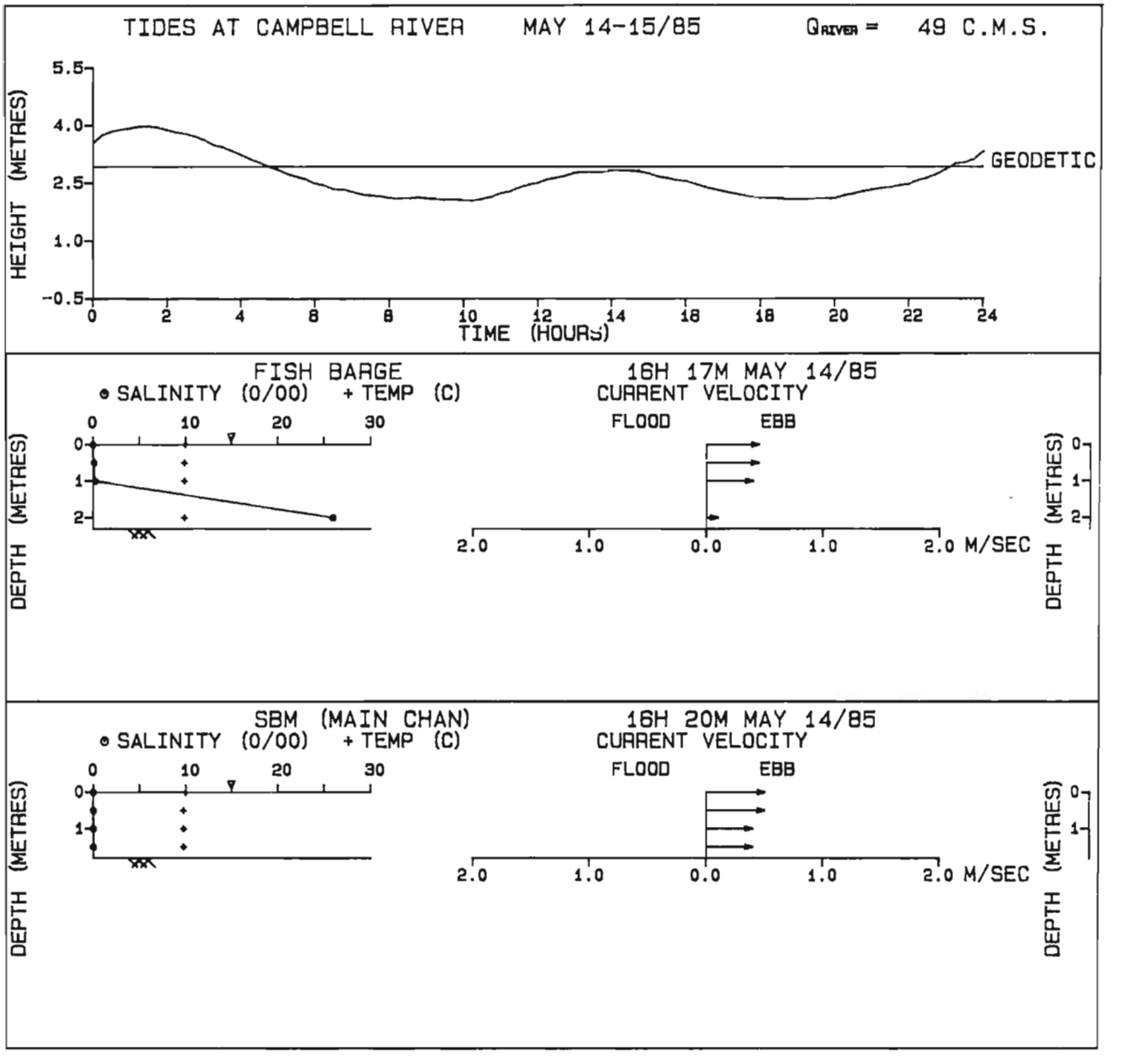
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



AUG 01/85 RIVER DISCHARGE = 48 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
TYEE PT	17H 47M	.0	9.19	12.5		
		1.0	27.66	10.9		
		2.0	29.67	10.2		
		3.0	29.83	10.0		
		4.0	29.83	10.0		
		5.0	30.22	9.9		
		6.0	30.32	9.9		
RANGE MARKERS	17H 56M	.0	6.57	13.3		
		.5	8.84	12.9		
		1.0	29.63	10.5		
		2.0	30.03	10.0		
GULF SIGN	18H 03M	.0	1.37	13.9		
		.5	8.76	12.9		
		1.0	27.32	10.7		
		2.0	29.75	10.1		
		3.0	30.30	9.8		
		4.0	30.38	9.7		
FISH STN WHARF	18H 08M	.0	.48	13.3		
		.5	8.64	12.7		
		1.0	29.51	10.4		
		2.0	30.02	9.9		
		3.0	30.12	9.9		
		4.0	30.22	9.9		
NBM MAIN CHAN	18H 12M	.0	.21	13.9		
		.5	.74	13.9		
		1.0	14.46	12.1		
		2.0	29.83	10.0		
		3.0	29.93	10.0		
		3.5	30.20	9.8		
FISH BARGE MAIN	18H 17M	.0	.00	13.4		
		.5	.55	13.4		
		1.0	2.95	13.1		
		2.0	29.39	10.3		
		3.0	29.93	10.0		
SBM MAIN CHAN	18H 21M	.0	.00	13.6		
		.5	.34	13.5		
		1.0	2.41	13.4		
		2.0	29.12	10.4		
FRED'S MAIN CHAN	18H 25M	.0	.21	13.6		
		.5	.41	13.8		
		1.0	.68	13.5		
		2.0	28.77	10.6		

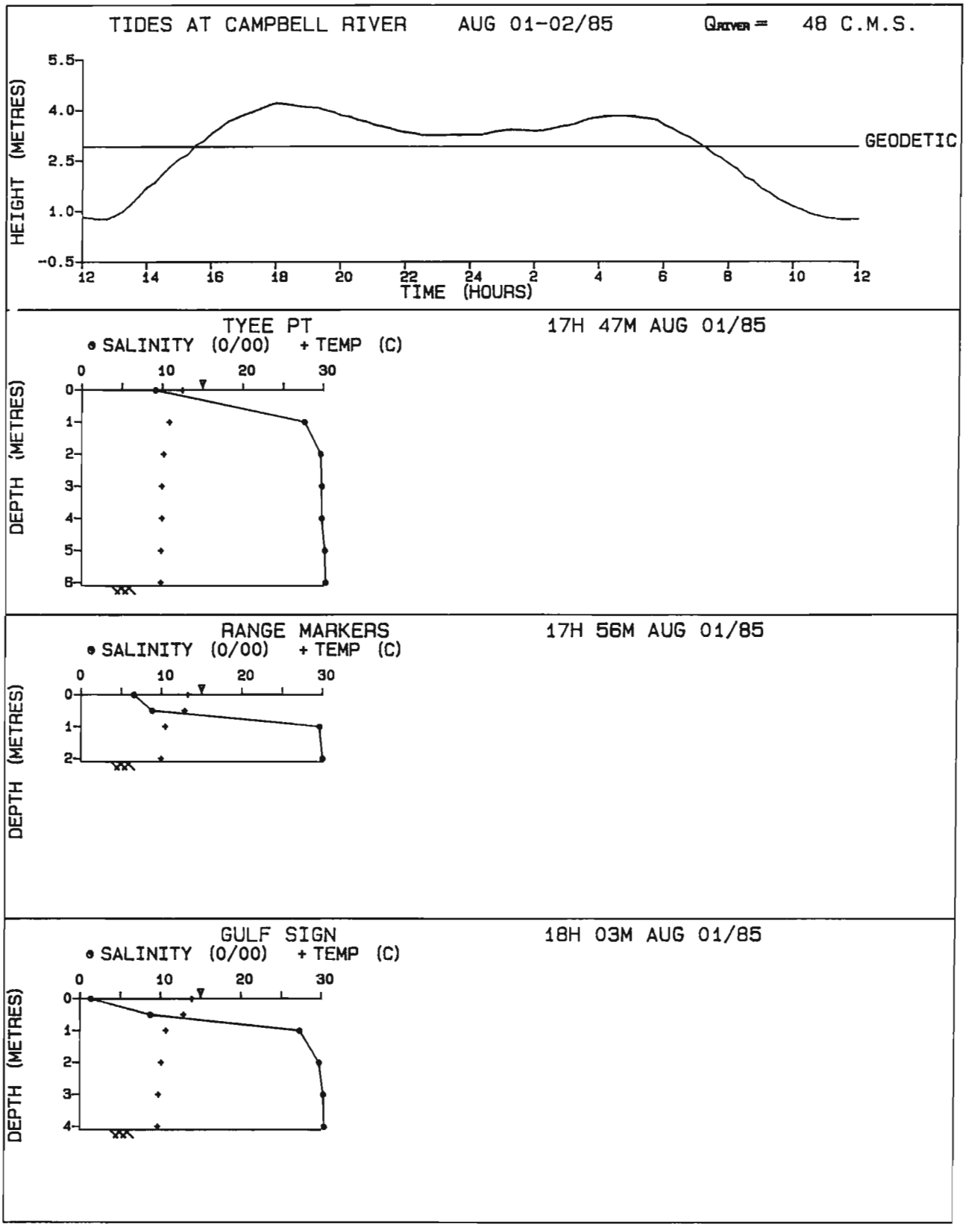
AUG 01/85 RIVER DISCHARGE = 48 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
FRED'S MAIN CHAN	18H 25M	2.5	29.12	10.4		
TOP TAG MAIN	18H 30M	.0	.00	13.4		
		.5	.34	13.6		
		1.0	1.11	13.3		
		2.0	27.66	10.9		
ORANGE CRANE	18H 33M	.0	.00	13.2		
		.5	.00	13.5		
		1.0	.61	13.6		
		2.0	28.03	10.8		
		2.5	28.60	10.3		
PILE BREAKWATER	18H 37M	.0	.00	13.2		
		.5	.00	13.3		
		1.0	.00	13.6		
		2.0	27.71	10.7		
		3.0	28.06	10.5		
		4.0	28.21	10.3		
PRIVATE FLOAT M1	18H 42M	.0	.00	13.2		
		.5	.00	13.4		
		1.0	.00	13.3		
		1.5	.00	13.3		
RAVEN'S LOG SORT	18H 47M	.0	.00	14.3		
		.5	.20	14.2		
		1.0	1.29	14.1		
		1.5	16.84	12.5		
NBS BOAT RAMP	18H 55M	.0	.86	14.7		
		.5	1.69	14.5		
		1.0	9.84	13.5		
NBS CEDAR MILL	18H 59M	.0	1.20	14.5		
		.5	1.48	14.6		
		1.0	11.89	13.3		
		1.5	26.46	11.1		
MOTHER RAMP	19H 11M	.0	4.78	13.8		
		.5	7.71	13.6		
		1.0	25.77	11.4		
		2.0	29.02	10.4		
		3.0	29.91	10.4		
NUN'S CREEK	19H 16M	.0	4.53	13.3		
		.5	9.26	13.2		
		1.0	26.32	11.3		
		2.0	28.45	10.5		

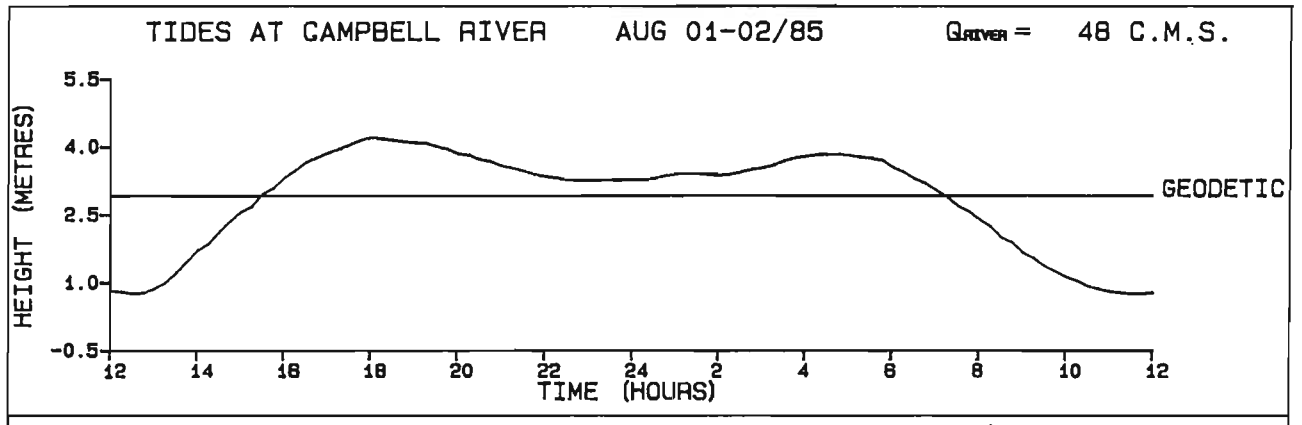
AUG 01/85 RIVER DISCHARGE = 48 CU.M/SEC

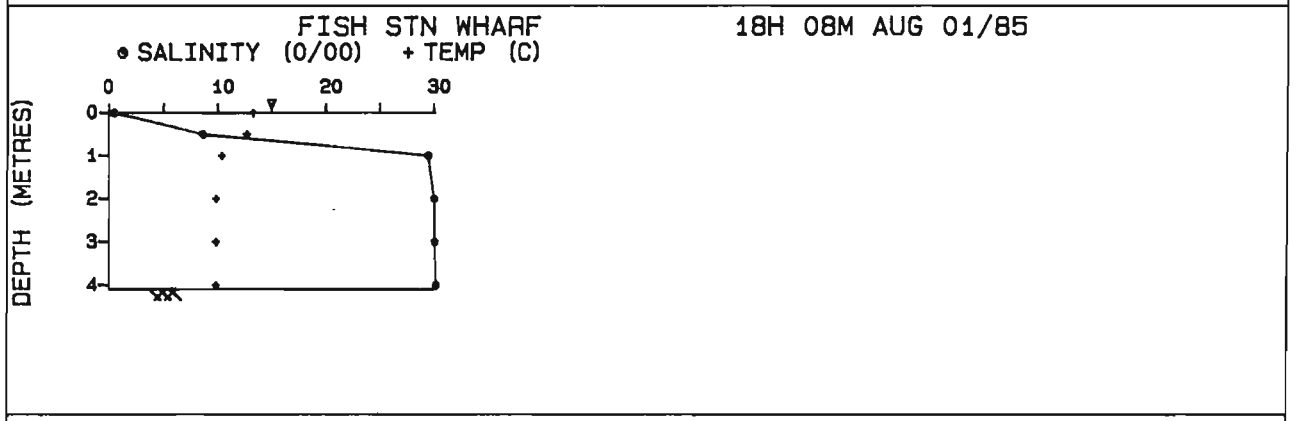
LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
NUN'S CREEK	19H 16M	3.0	29.26	10.1		
		4.0	29.38	10.2		
		5.0	29.73	10.0		
		6.0	29.73	10.0		
		7.0	29.73	10.0		

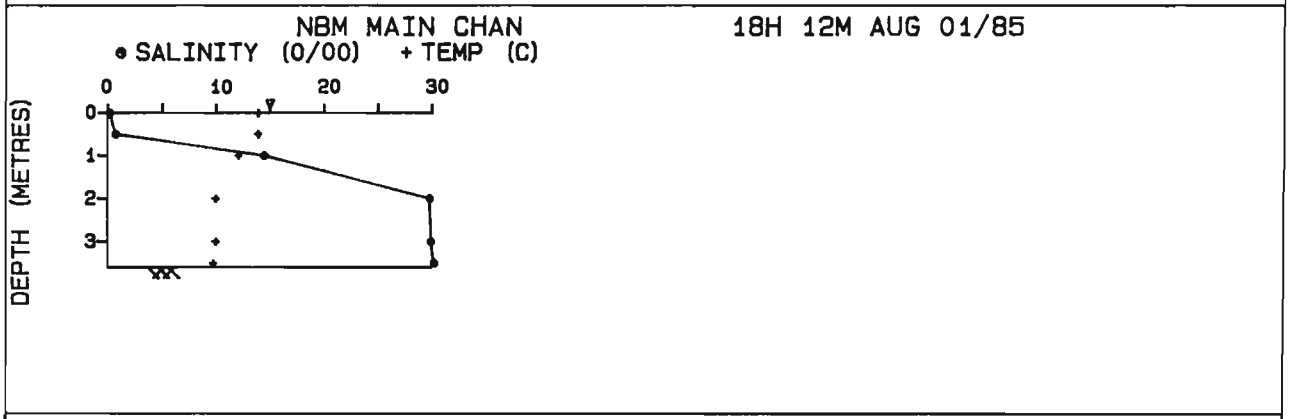
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

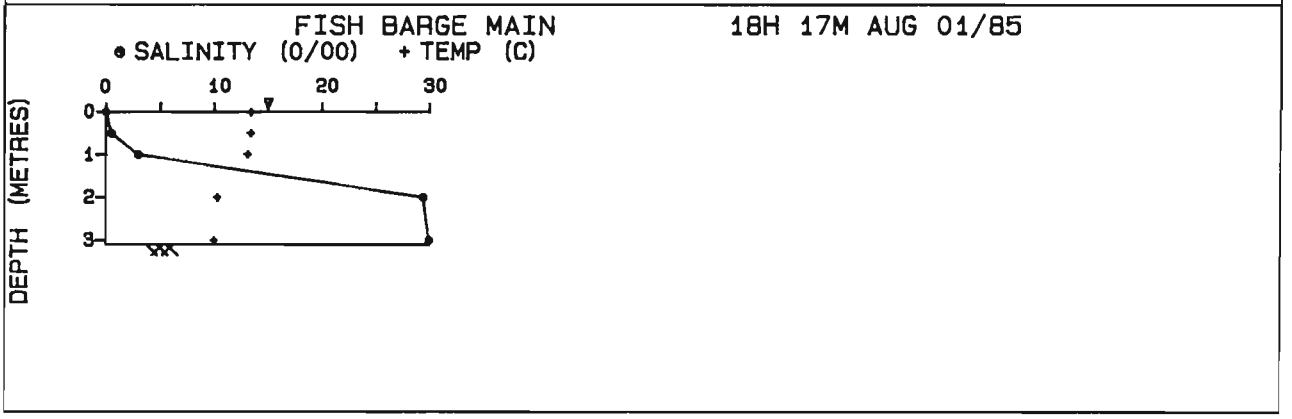


SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

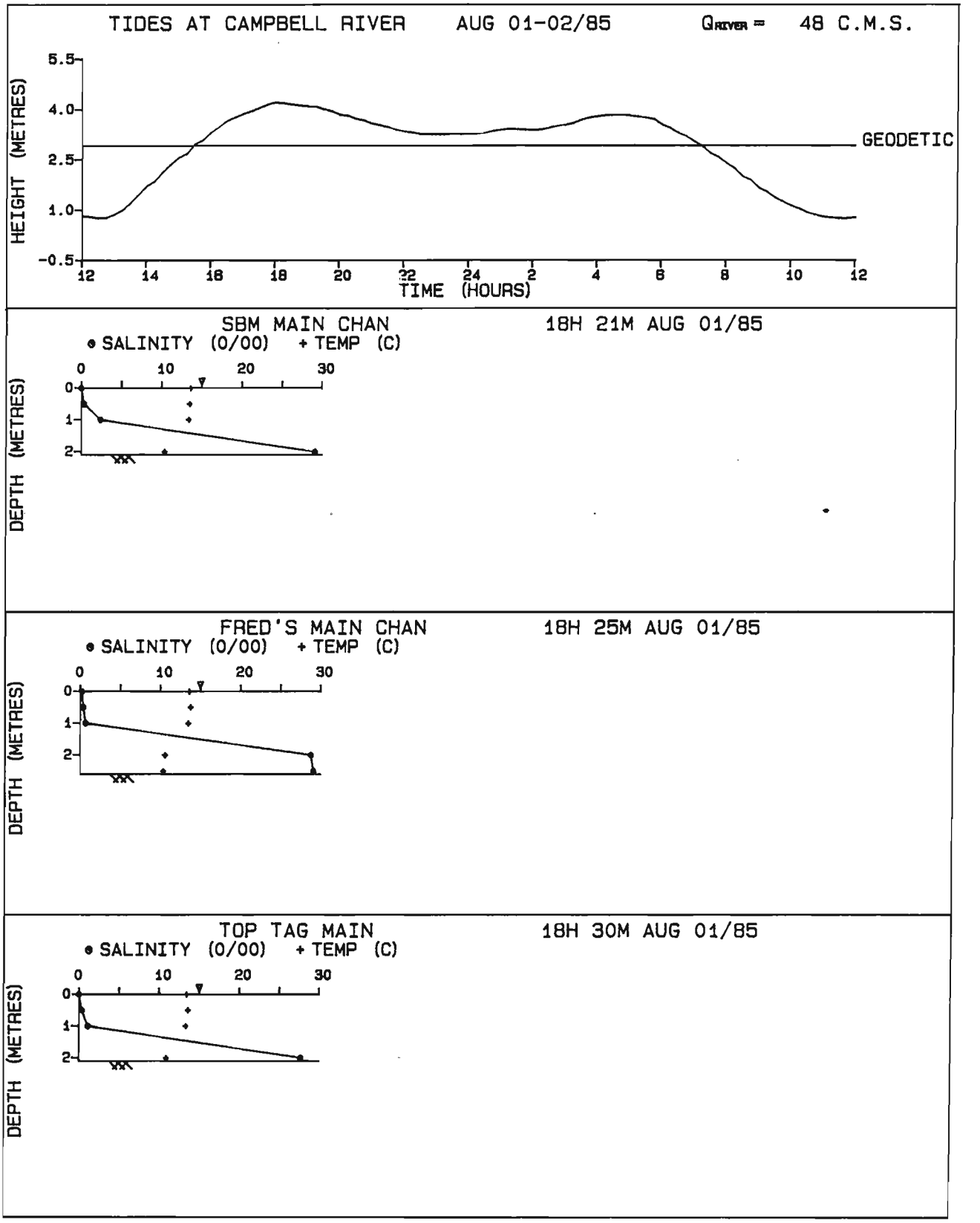




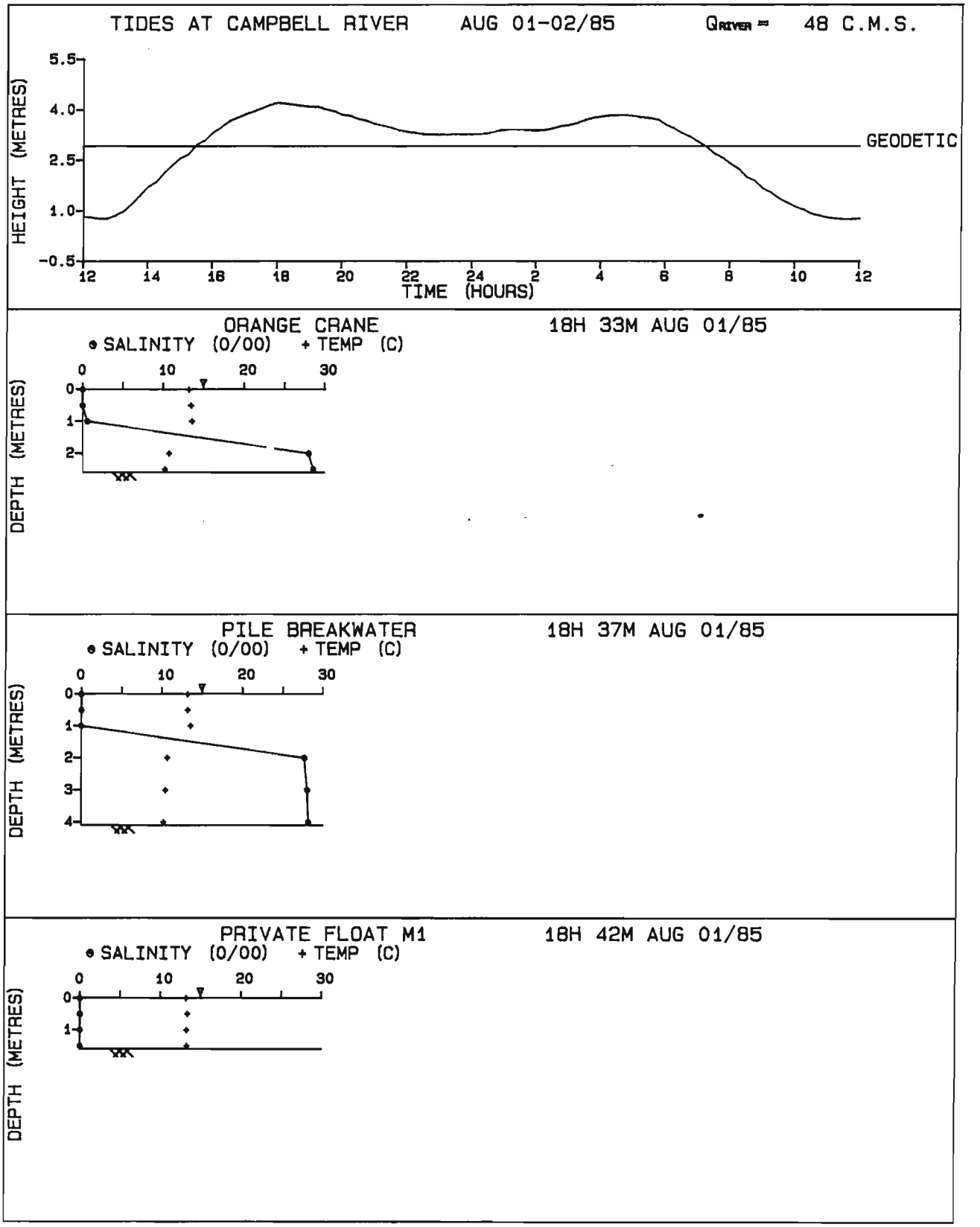




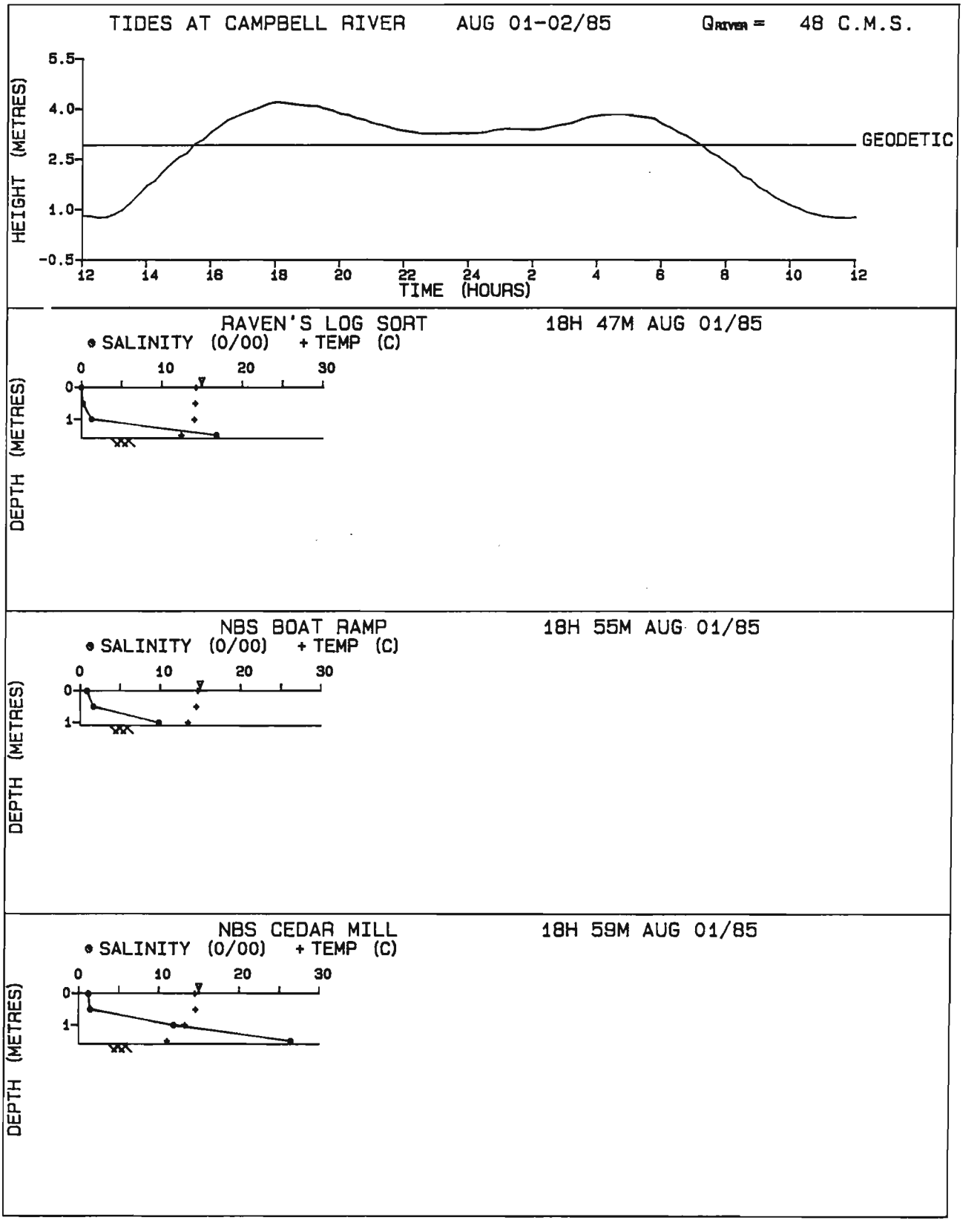
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



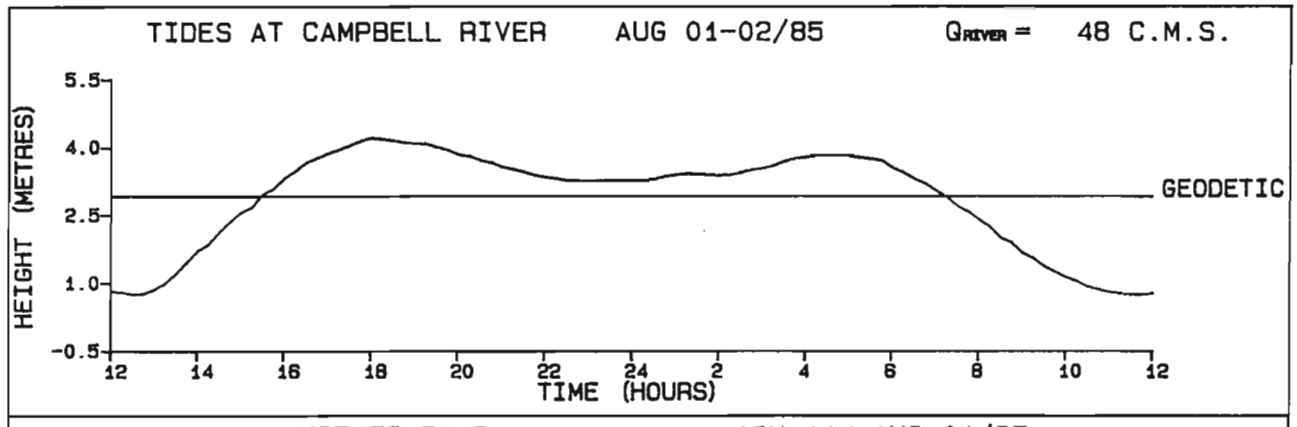
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

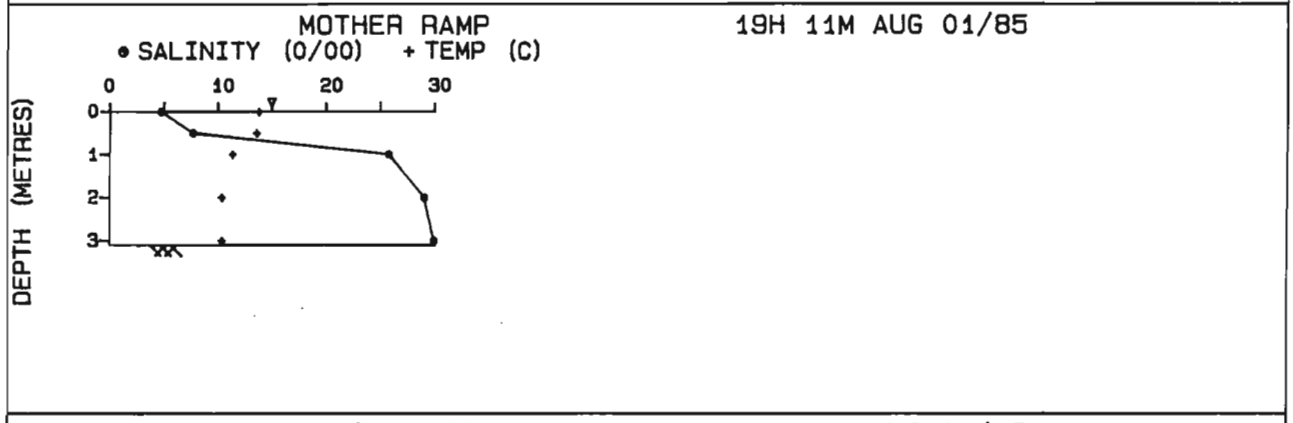


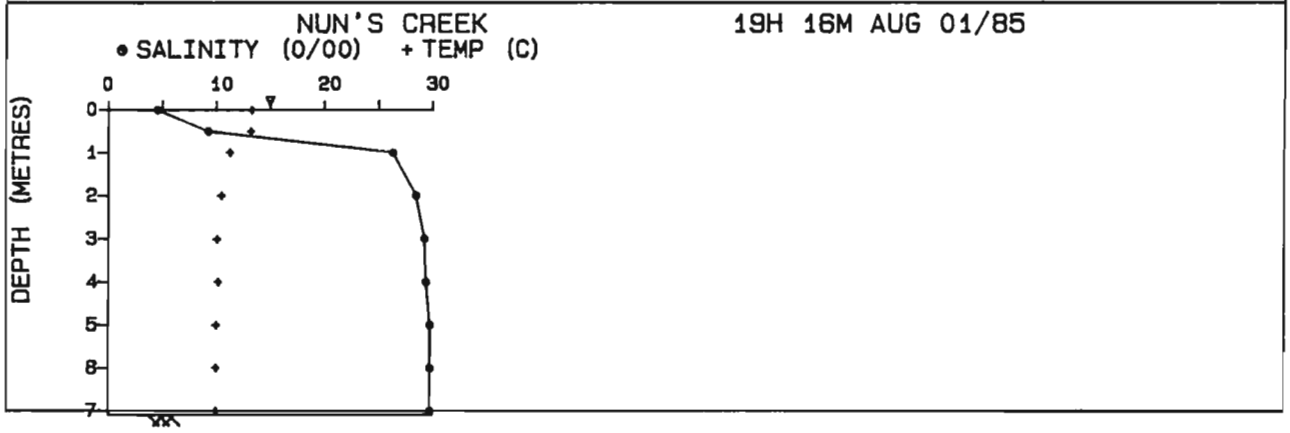
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER







AUG 02/85 RIVER DISCHARGE = 45 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
TOP TAG CHUTE	05H 27M	.0			.25	E
		.5			.30	E
		1.0			.30	E
		1.5			.10	E
		2.0			.00	
		3.2	29.26	10.6	.00	
TOP TAG CHUTE	05H 34M	.0	.29	12.7		
		.5	.91	12.9		
		1.0	2.06	13.0		
		2.0	29.02	10.9		
		3.0	29.49	10.3		
TOP TAG CHUTE	05H 43M	.0	.43	12.7	.32	E
		1.0	2.38	12.7	.40	E
		2.0	29.41	10.4	.00	
		3.0	29.57	10.2	.00	
TOP TAG CHUTE	05H 53M	.0	.71	12.6	.40	E
		.5	.91	12.8	.42	E
		1.0	2.45	12.8	.40	E
		1.8			.00	
		2.0	29.41	10.4	.00	
		3.0	29.73	10.0	.00	
TOP TAG CHUTE	06H 03M	.0	.78	12.5	.34	E
		.5	1.06	12.7	.42	E
		1.0	2.45	12.8	.42	E
		2.0	28.67	10.6	.00	
		3.0	29.59	10.3	.00	
TOP TAG CHUTE	06H 13M	.0	.77	12.8	.40	E
		.5	1.05	12.9	.42	E
		1.0	2.83	12.8	.42	E
		2.0	28.28	10.6	.00	
		2.9	29.73	10.0	.00	
TOP TAG CHUTE	06H 23M	.0	.49	13.0	.38	E
		.5	.76	13.1	.42	E
		1.0	1.70	13.0	.42	E
		2.0	28.51	10.8	.00	
		2.5	29.59	10.3	.00	
TOP TAG CHUTE	06H 33M	.0	.77	12.9	.38	E
		.5	1.05	13.0	.40	E
		1.0	1.78	12.9	.38	E
		2.0	28.92	10.9	.00	
		2.5	29.41	10.4	.00	

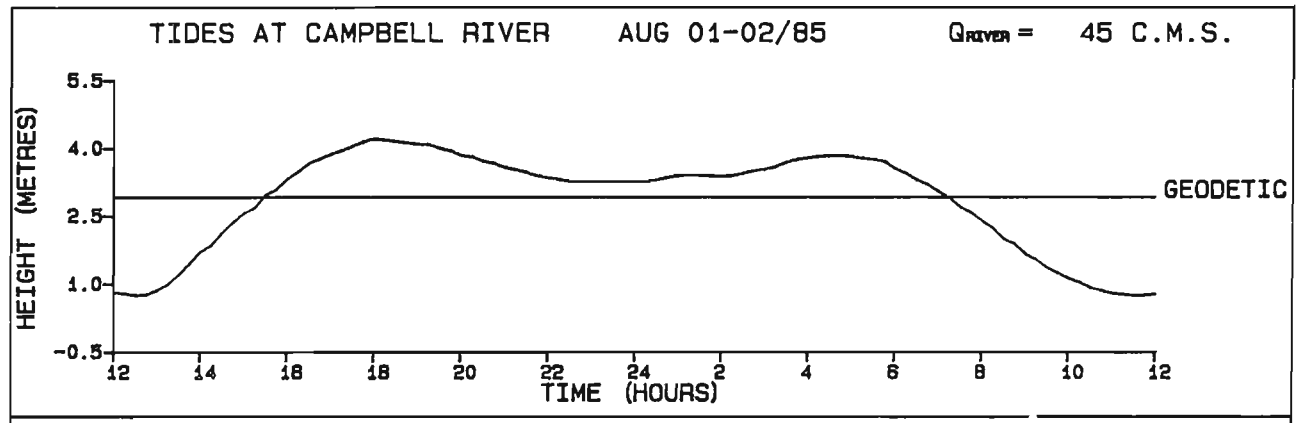
AUG 02/85 RIVER DISCHARGE = 45 CU.M/SEC

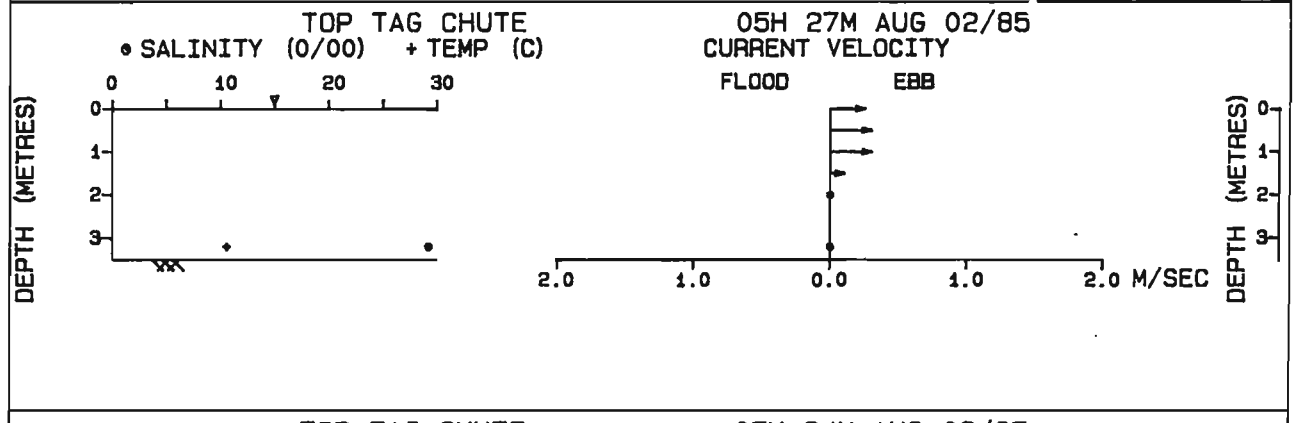
LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
TOP TAG CHUTE	06H 43M	.0	.70	12.9	.34	E
		.5	.77	13.0	.38	E
		1.0	2.81	13.0	.40	E
		1.5			.32	E
		2.0	26.63	11.0	.00	
		2.2	29.55	10.1	.00	
TOP TAG CHUTE	06H 53M	.0	.91	12.9	.38	E
		.5	.83	13.2	.38	E
		1.0	1.69	13.1	.40	E
		1.5	5.57	12.6	.32	E
		2.0	28.81	10.8	.20	E
TOP TAG CHUTE	07H 03M	.0	.84	12.8	.32	E
		.5	1.12	13.1	.40	E
		1.0	2.82	12.9	.40	E
		1.5	6.70	12.6	.26	E
		1.9	13.76	12.1	.00	
TOP TAG CHUTE	07H 13M	.0	.98	12.9	.36	E
		.5	1.55	13.1	.38	E
		1.0	1.92	13.0	.42	E
		1.5	5.18	12.6	.28	E
		1.9	11.28	12.0	.00	
TOP TAG CHUTE	07H 23M	.0	.97	13.1	.34	E
		.5	1.40	13.1	.36	E
		1.0	3.03	13.1	.36	E
		1.5	8.58	12.6	.24	E
		1.8	10.73	12.1	.00	
TOP TAG CHUTE	07H 33M	.0	.90	13.4	.36	E
		.5	1.25	13.3	.38	E
		1.0	2.28	13.1	.38	E
		1.6	7.01	12.7	.30	E
		1.7			.10	E
TOP TAG CHUTE	07H 43M	.0	1.12	12.9	.30	E
		.5	1.33	13.1	.32	E
		1.0	2.36	13.0	.32	E
		1.6	6.44	12.7	.20	E
TOP TAG CHUTE	07H 53M	.0	.97	13.2	.26	E
		.5	1.33	13.2	.30	E
		1.0	1.61	13.2	.36	E
		1.5	2.74	12.9	.30	E
TOP TAG CHUTE	08H 03M	.0	1.03	13.5	.30	E
		.5	1.04	13.3	.38	E

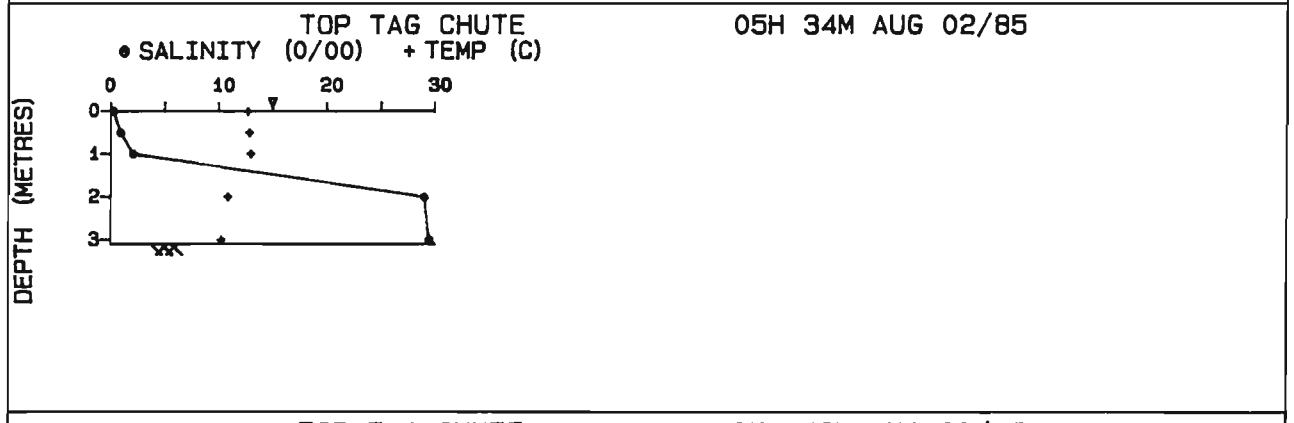
AUG 02/85 RIVER DISCHARGE = 45 CU.M/SEC

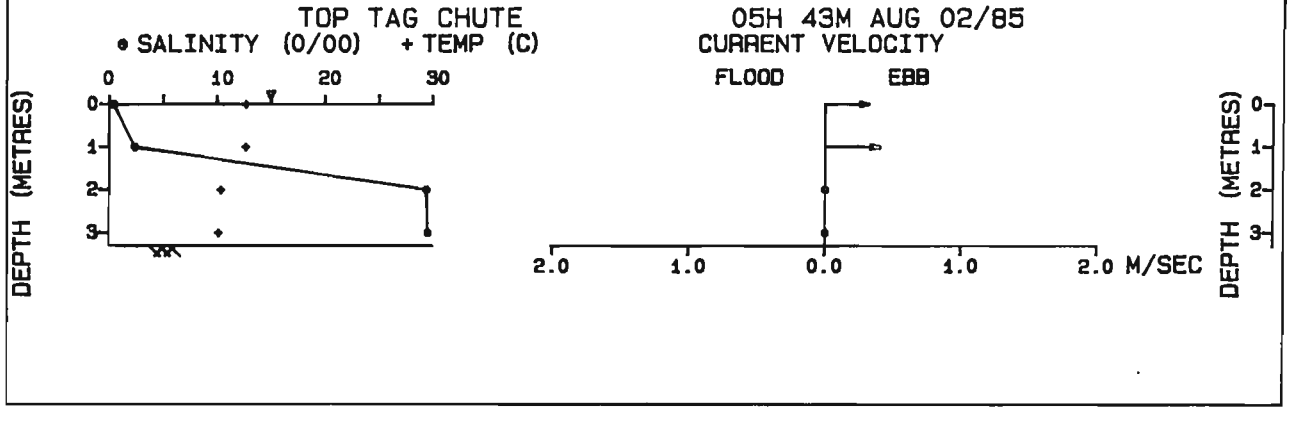
LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
TOP TAG CHUTE	08H 03M	1.0	1.11	13.2	.36	E
		1.5	1.61	13.2	.30	E
TOP TAG CHUTE	08H 13M	.0	.62	13.3	.38	E
		.5	.41	13.3	.36	E
		1.0	.55	13.3	.40	E
		1.2	.48	13.3	.30	E
TOP TAG CHUTE	08H 23M	.0	.00	13.3	.30	E
		.5	.00	13.3	.42	E
		1.0	.00	13.3	.42	E
		1.1			.42	E
TOP TAG CHUTE	08H 33M	.0	.00	13.5	.48	E
		.5	.00	13.5	.48	E
		1.0	.00	13.5	.40	E
		1.2			.40	E

SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

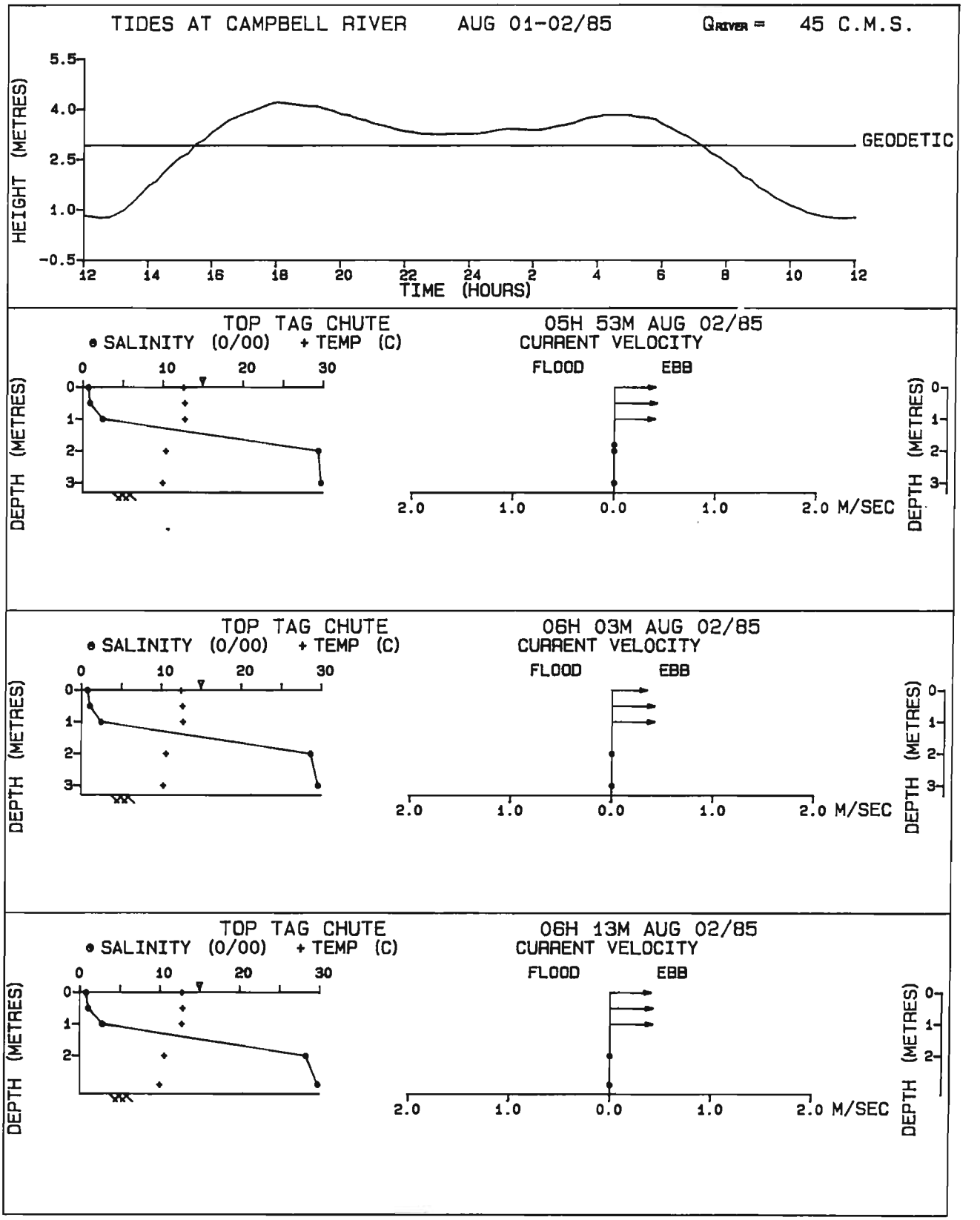




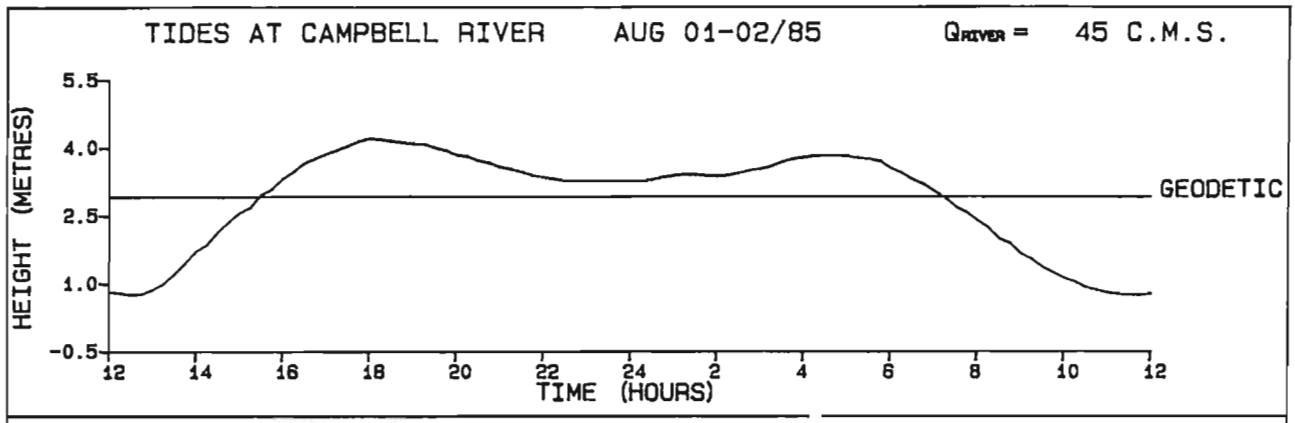


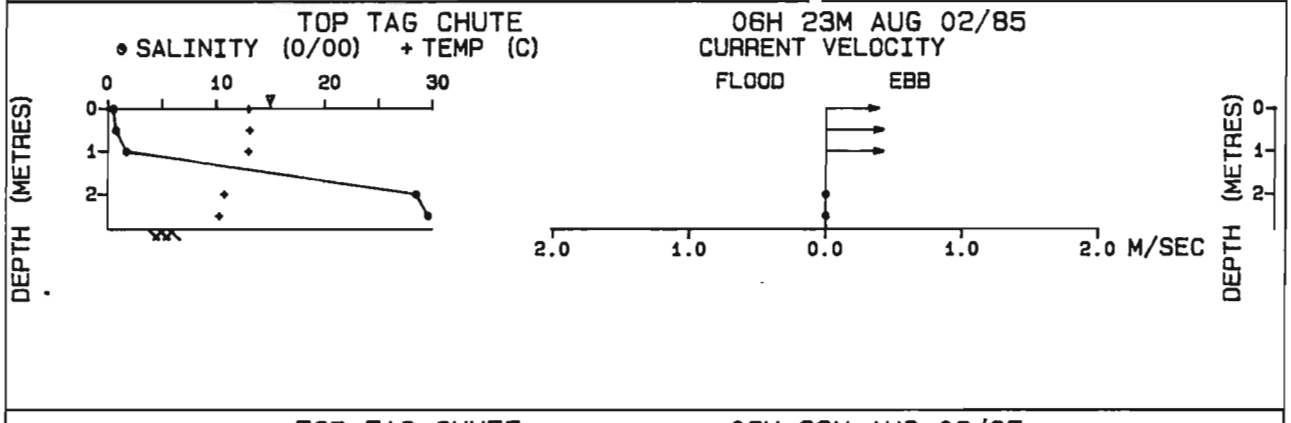


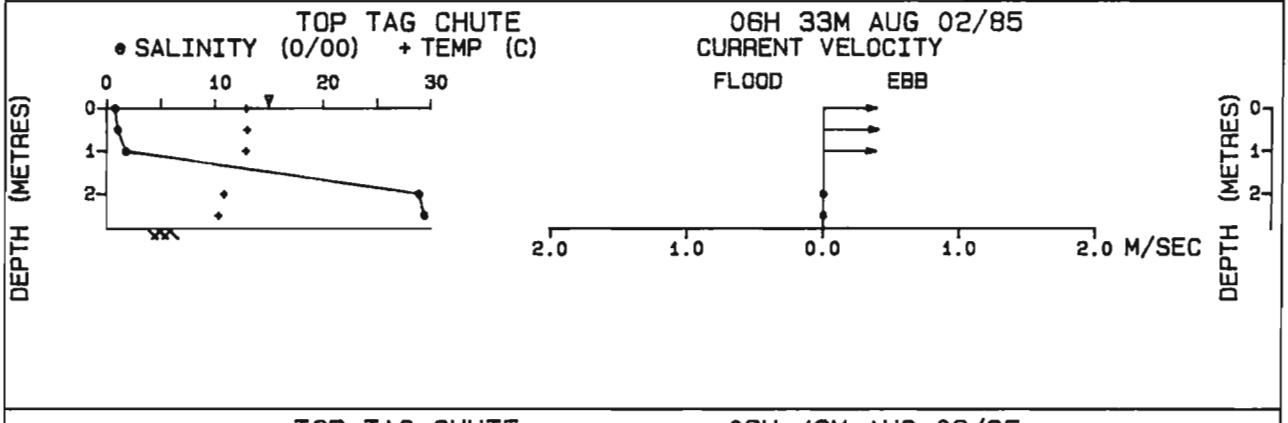
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

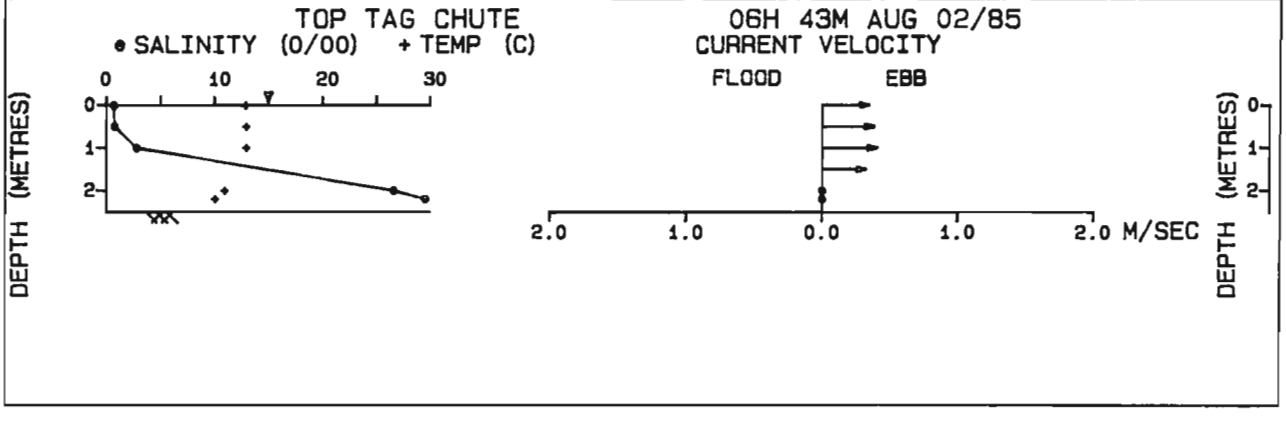


SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

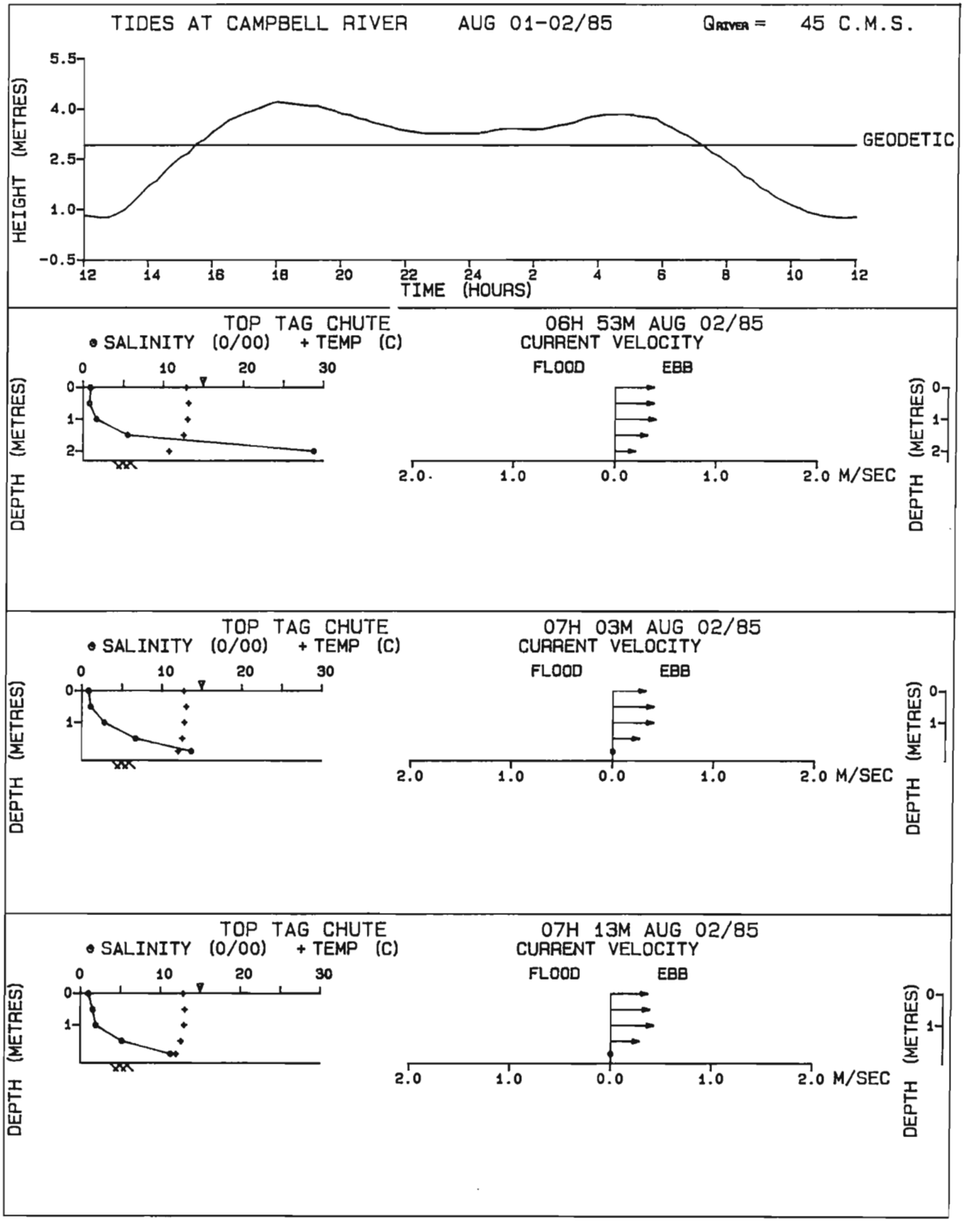




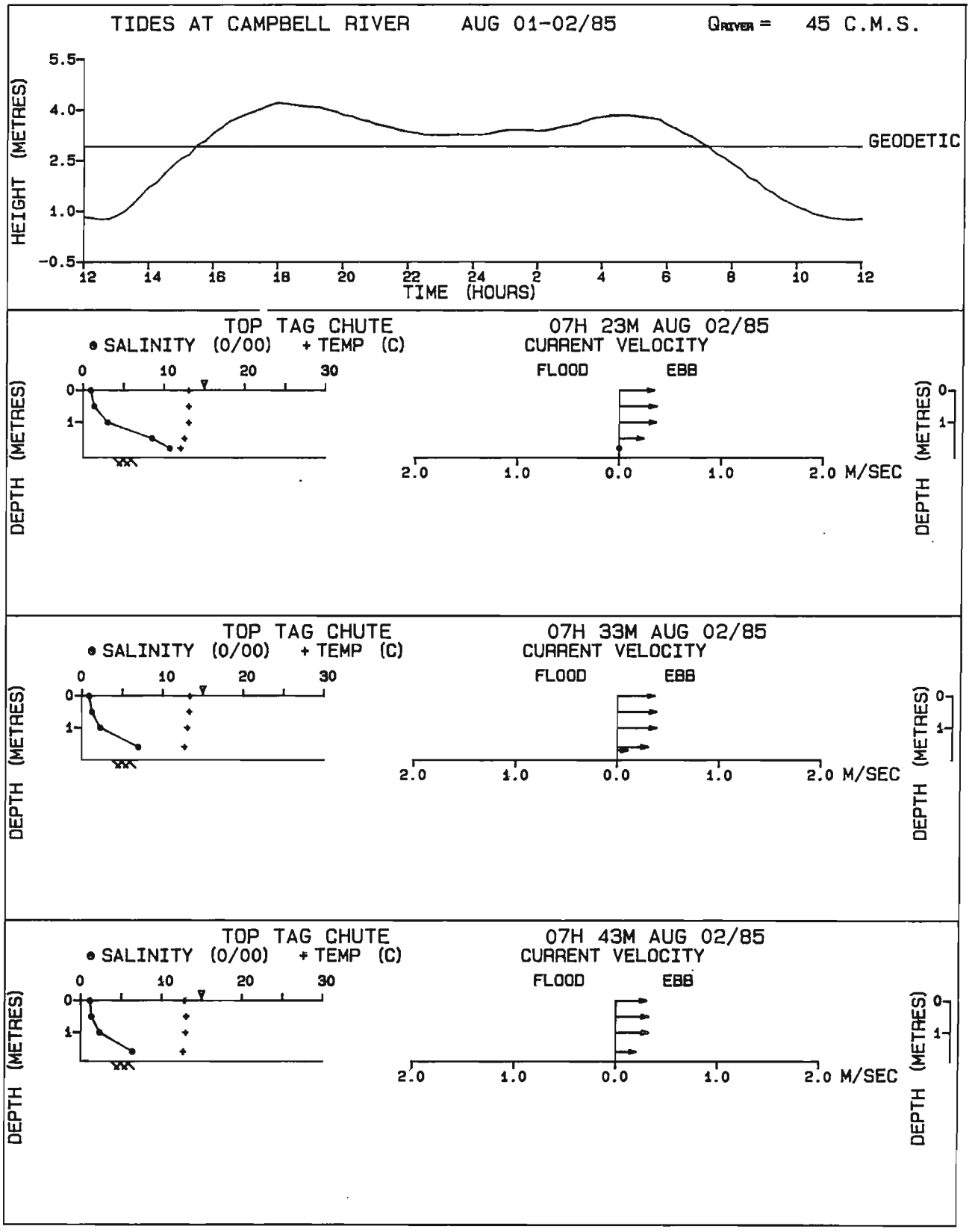




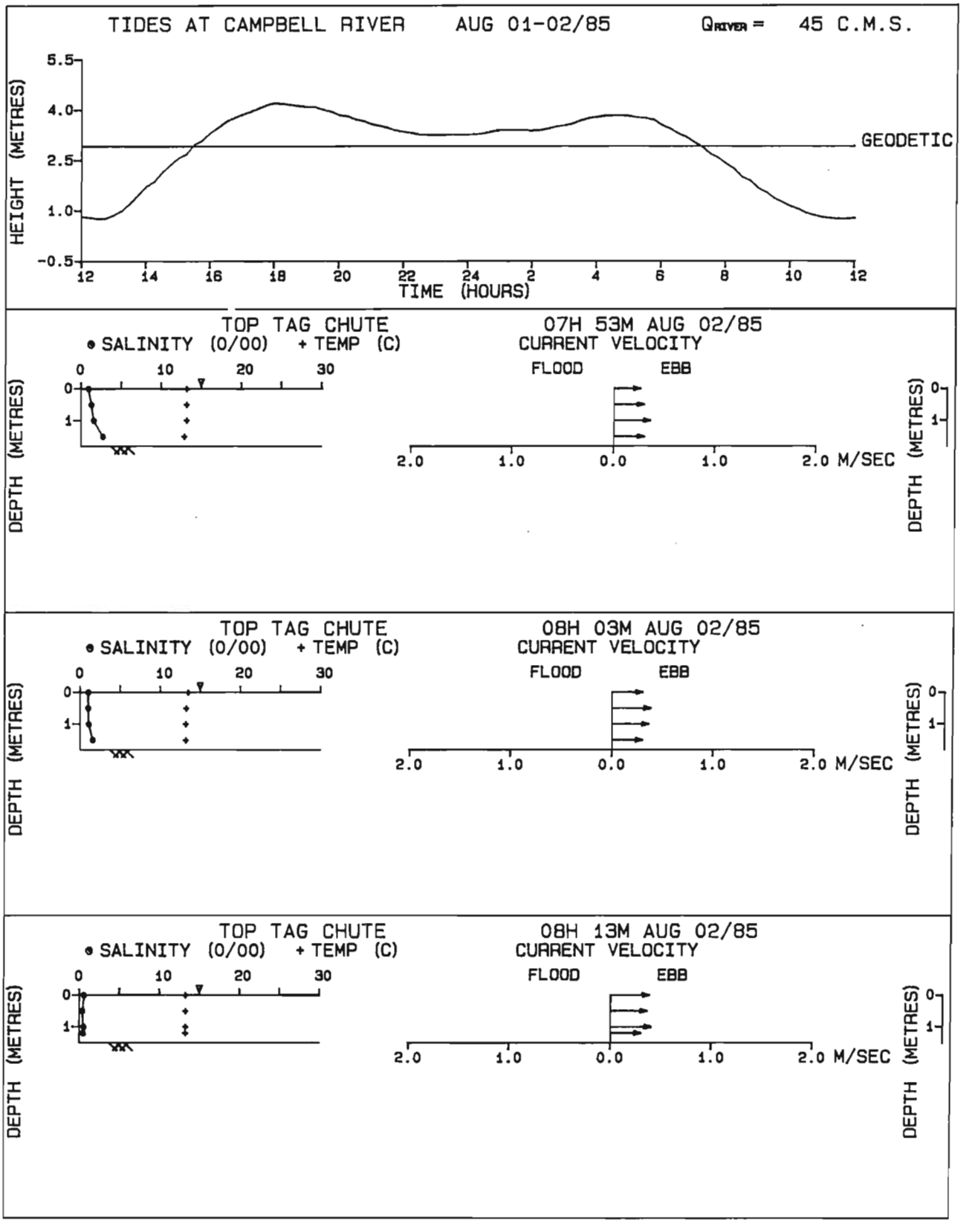
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



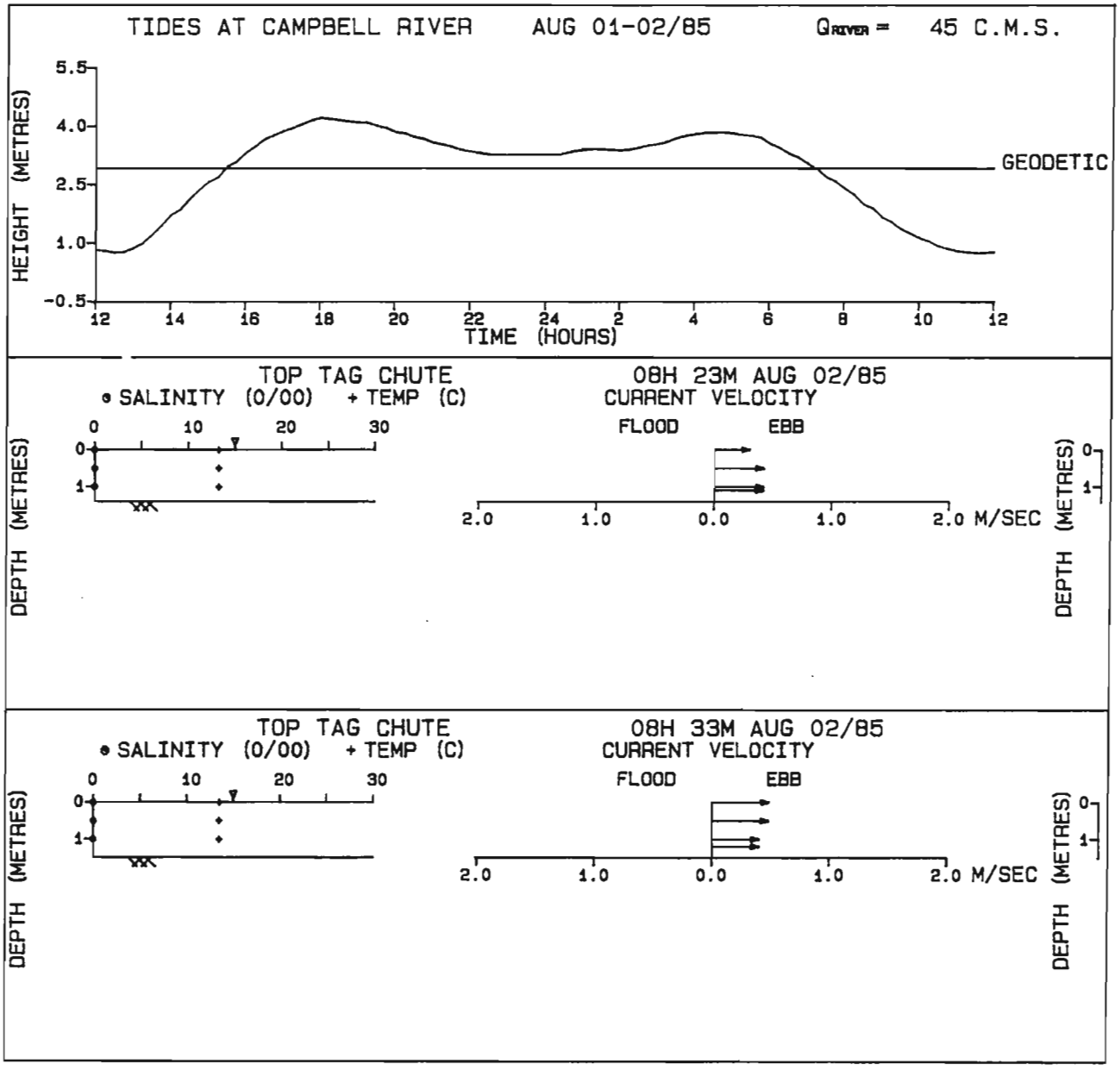
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



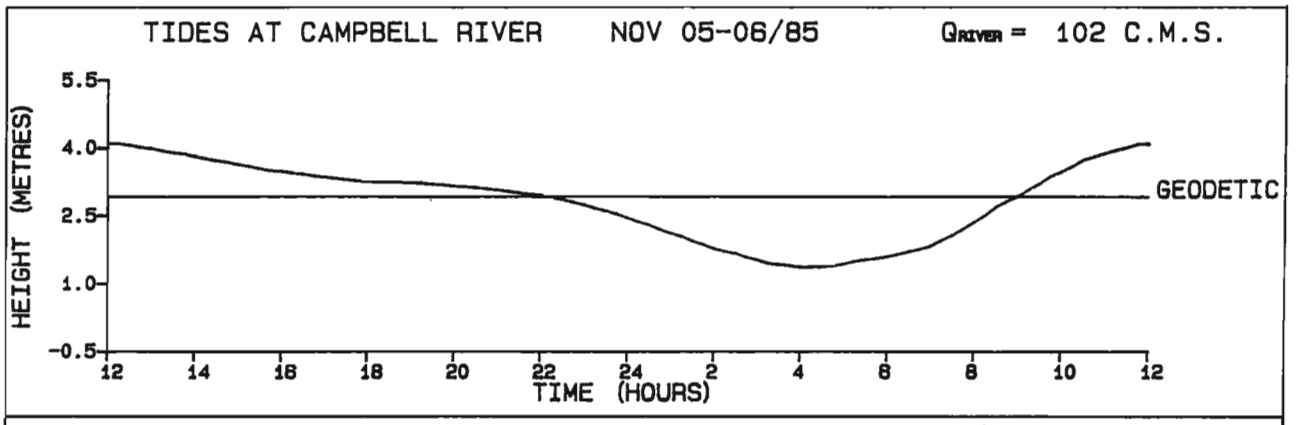
NOV 05/85 RIVER DISCHARGE = 102 CU.M/SEC

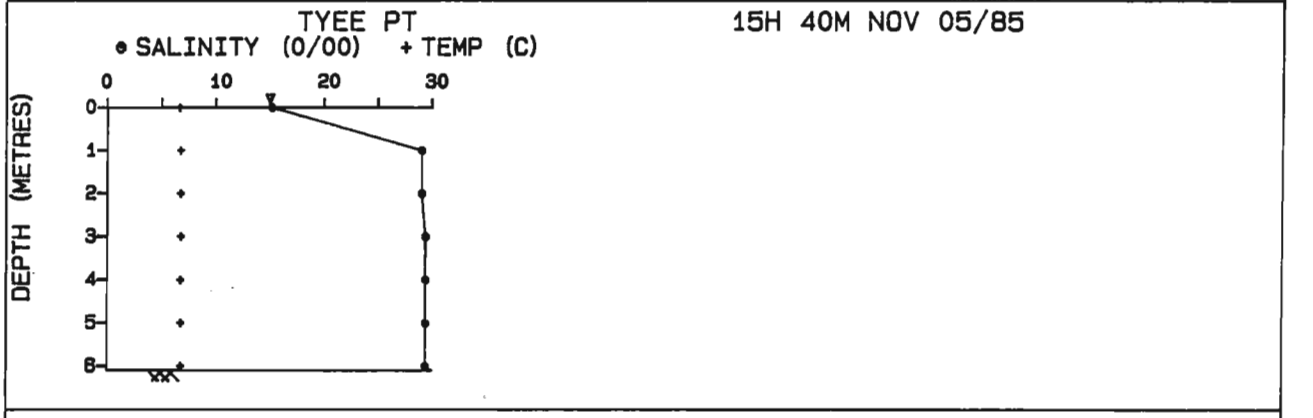
LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
TYEE PT	15H 40M	.0	15.20	6.7		
		1.0	29.09	6.8		
		2.0	29.09	6.8		
		3.0	29.45	6.8		
		4.0	29.45	6.8		
		5.0	29.45	6.8		
		6.0	29.45	6.8		
RANGE MARKERS	15H 58M	.0	3.37	7.2		
		.5	10.75	7.2		
		1.0	22.70	6.8		
		2.0	28.80	6.8		
		3.0	29.09	6.4		
GULF SIGN	16H 02M	.0	.19	7.9		
		1.0	5.63	7.9		
		2.0	28.30	7.0		
		3.0	28.37	6.8		
		4.0	28.94	6.5		
		4.5	28.94	6.5		
FISH STN WHARF	16H 06M	.0	.24	7.8		
		1.0	7.16	7.8		
		2.0	24.10	7.0		
		3.0	27.08	6.8		
		4.0	28.73	6.6		
NBM	16H 11M	.0	.00	8.0		
		1.0	.29	8.0		
		2.0	13.09	7.8		
		3.0	28.37	7.0		
		4.0	28.73	6.8		
FISH BARGE	16H 14M	.0	.00	8.0		
		1.0	.05	7.8		
		2.0	2.97	7.5		
		3.0	28.37	6.8		
SBM MAIN	16H 18M	.0	.00	8.0		
		1.0	.00	7.8		
		2.0	.00	7.8		
		3.0	.00	7.6		
ORANGE CRANE	16H 22M	.0	.00	7.2		
		1.0	.00	7.0		
		2.0	.00	7.6		
		3.0	.00	7.6		
PILE BREAKWATER	16H 25M	6.0	.00			

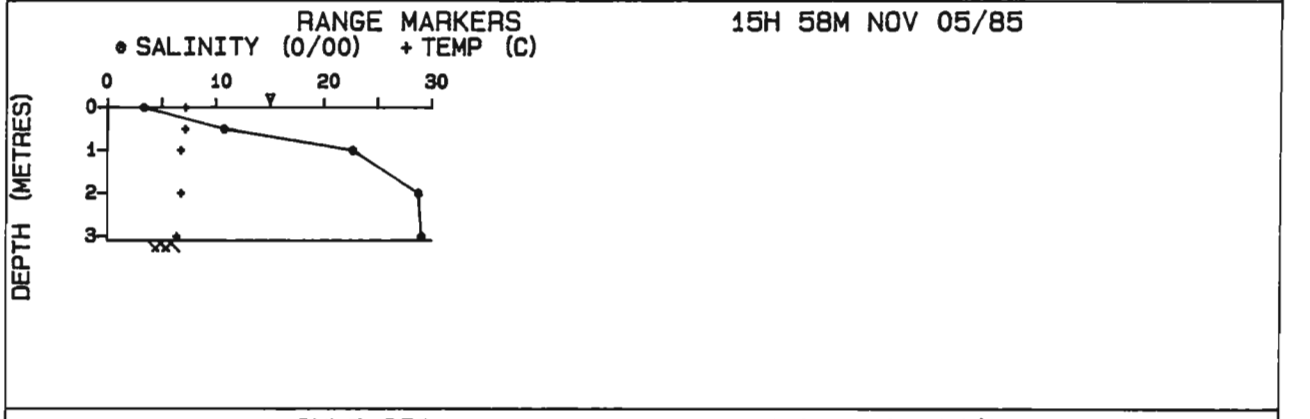
NOV 05/85 RIVER DISCHARGE = 102 CU.M/SEC

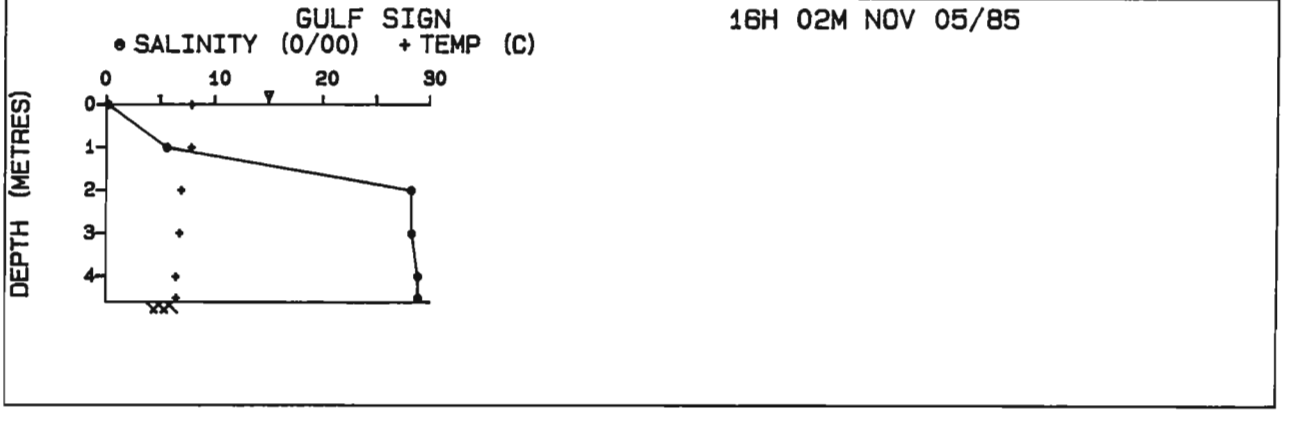
LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
ISL #3	16H 51M	.0	3.72	7.0		
		1.0	7.47	6.8		
		2.0	28.37	6.5		
		2.5	28.73	6.3		
LOG BASIN	16H 55M	.0	2.97	7.0		
		2.0	19.93	8.0		
		4.0	27.65	8.5		
		6.0	28.37	8.5		
MOTHER RAMP	16H 58M	.0	.24	8.0		
		1.0	.34	8.0		
		2.0	23.75	8.3		
		3.0	28.37	8.3		
		4.0	29.09	8.3		
RAVEN'S LOG SORT	17H 06M	.0	.00	8.0		
		1.0	.00	8.3		
		2.0	8.09	8.6		
NBS	17H 10M	.0	.00	7.6		
		1.0	.96	8.2		
		1.5	1.12	8.3		
F.W. MARINA	17H 12M	.0	.34	7.9		
		1.0	.34	8.0		
		2.0	14.60	8.3		
		3.0	27.29	8.5		
		3.5	27.79	8.6		

SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

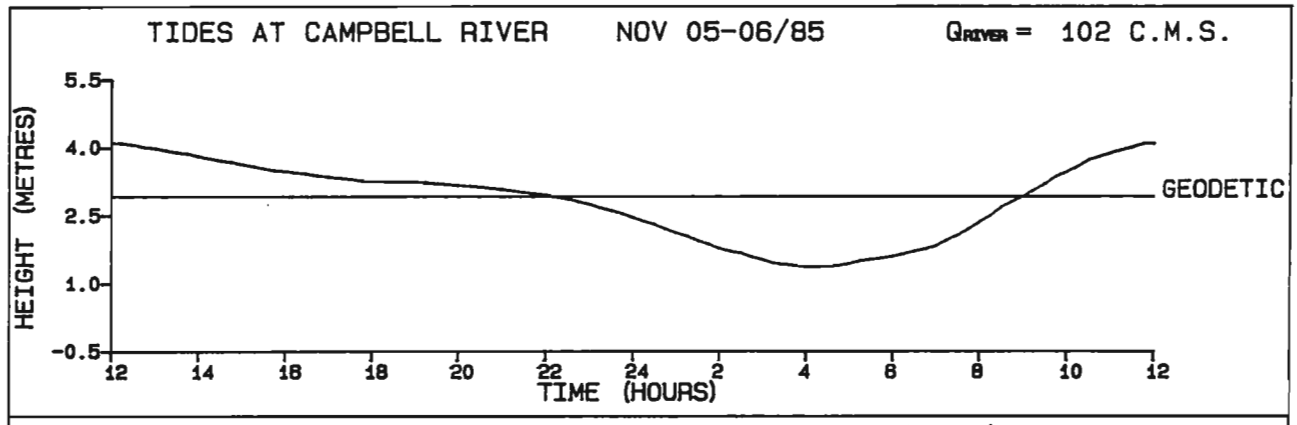


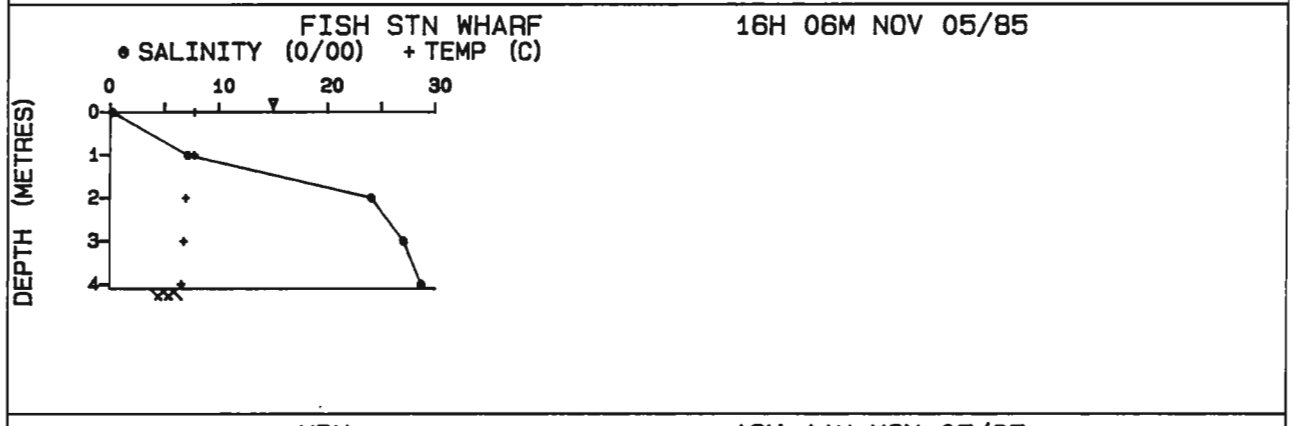


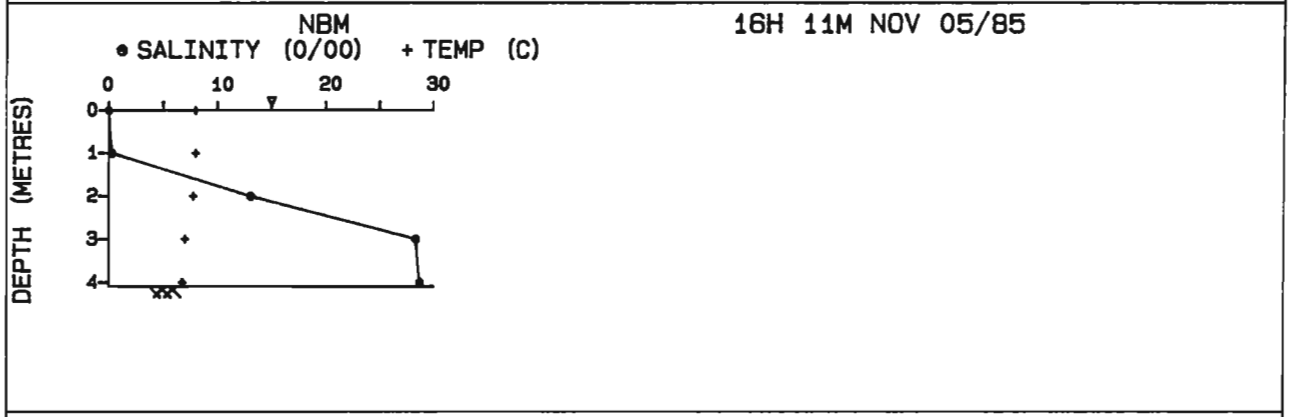


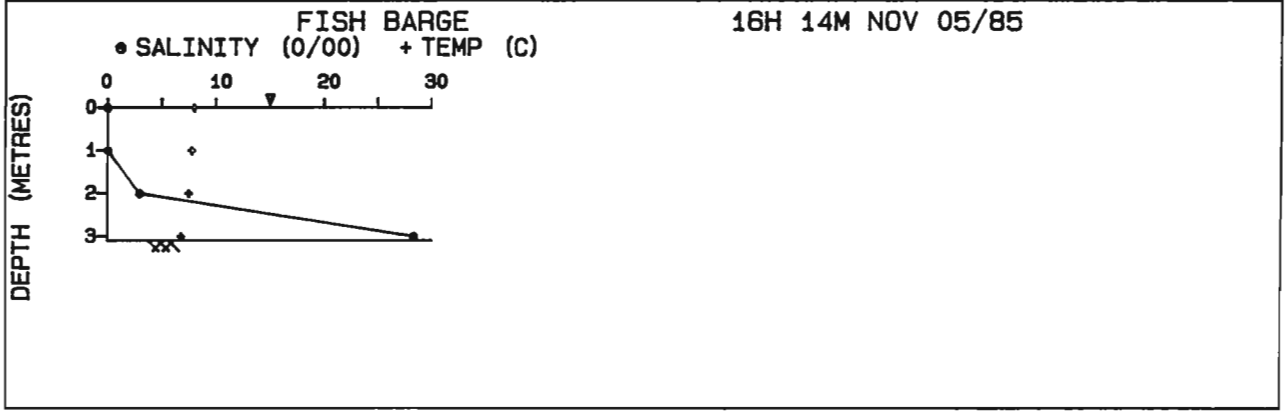


SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

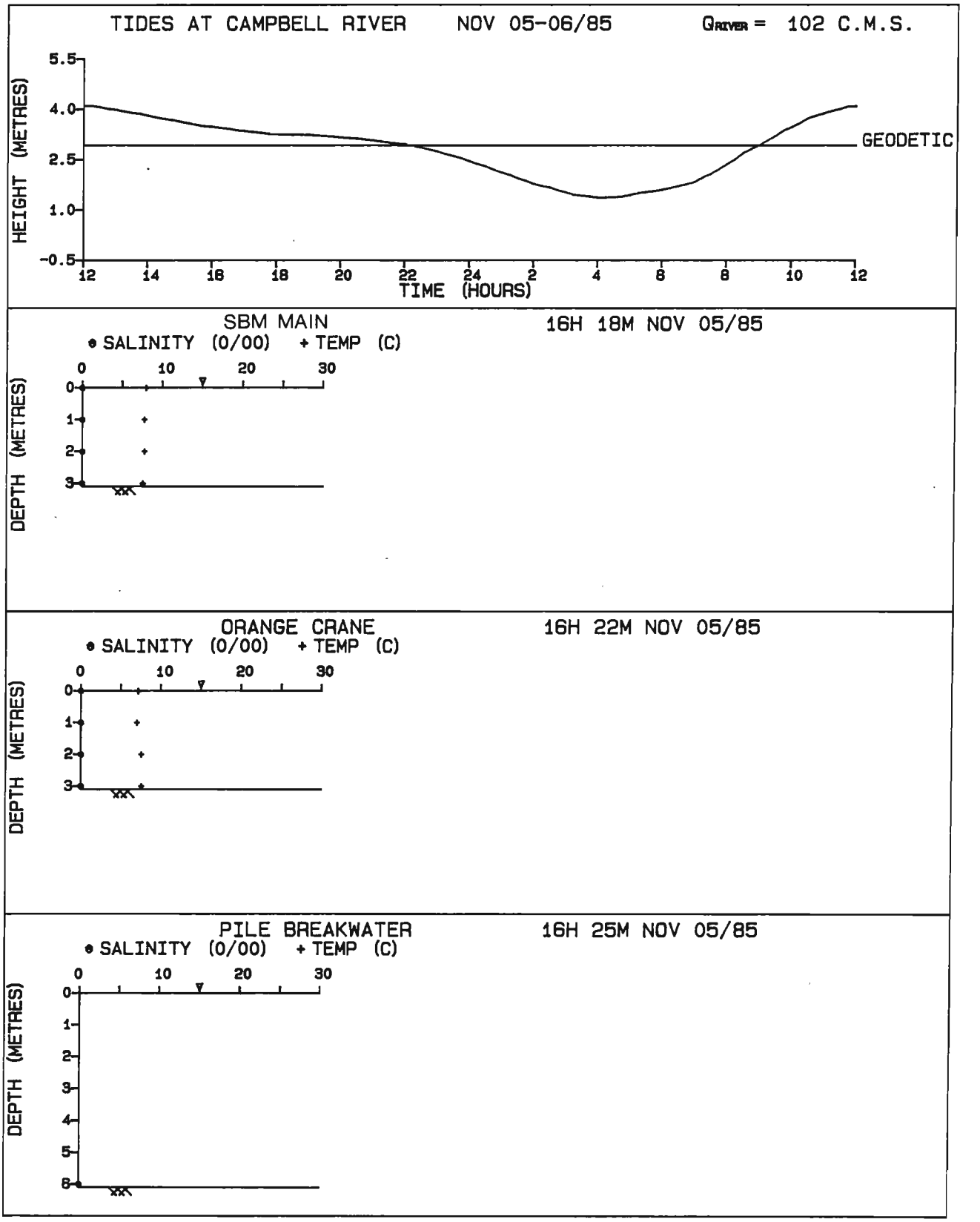




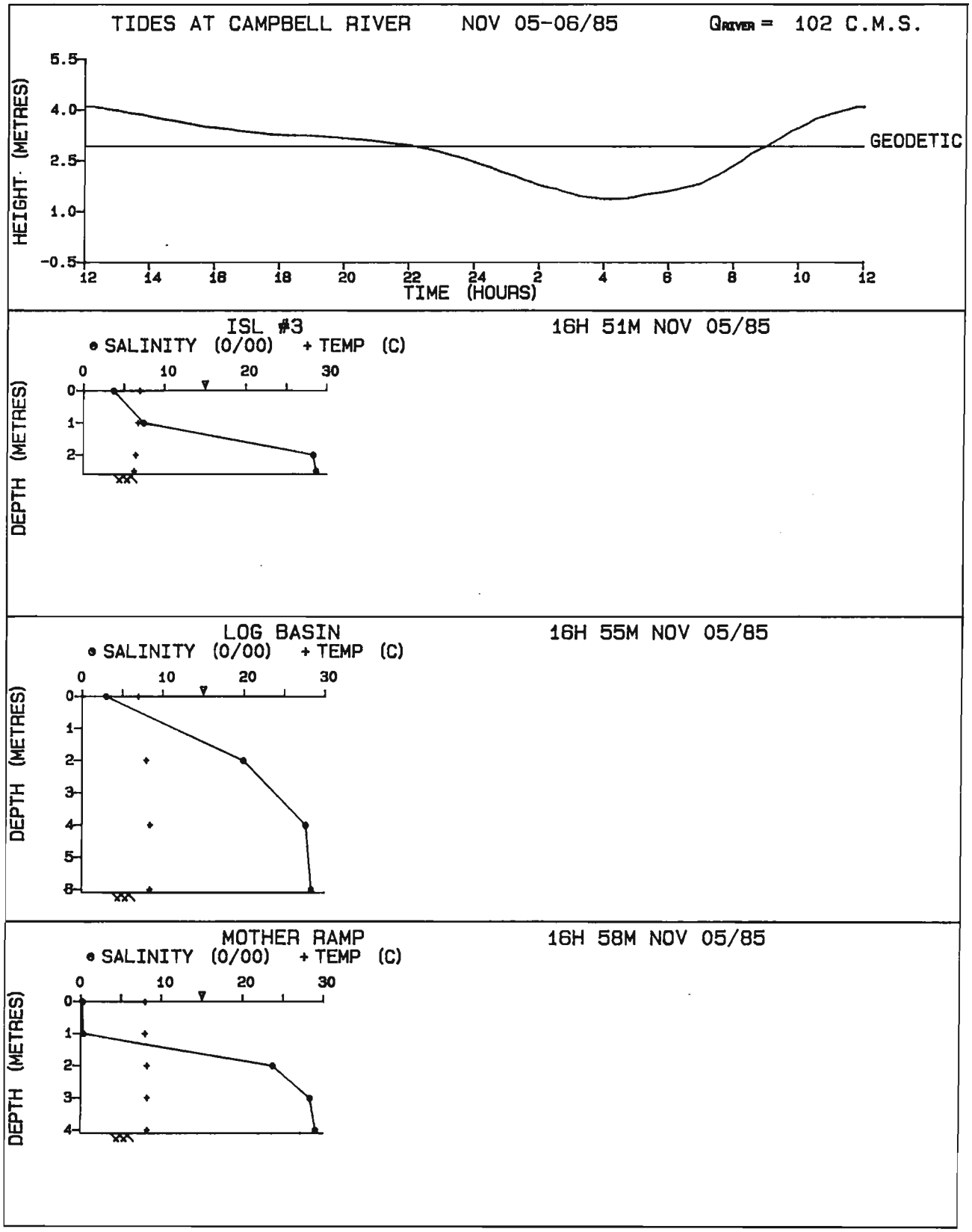




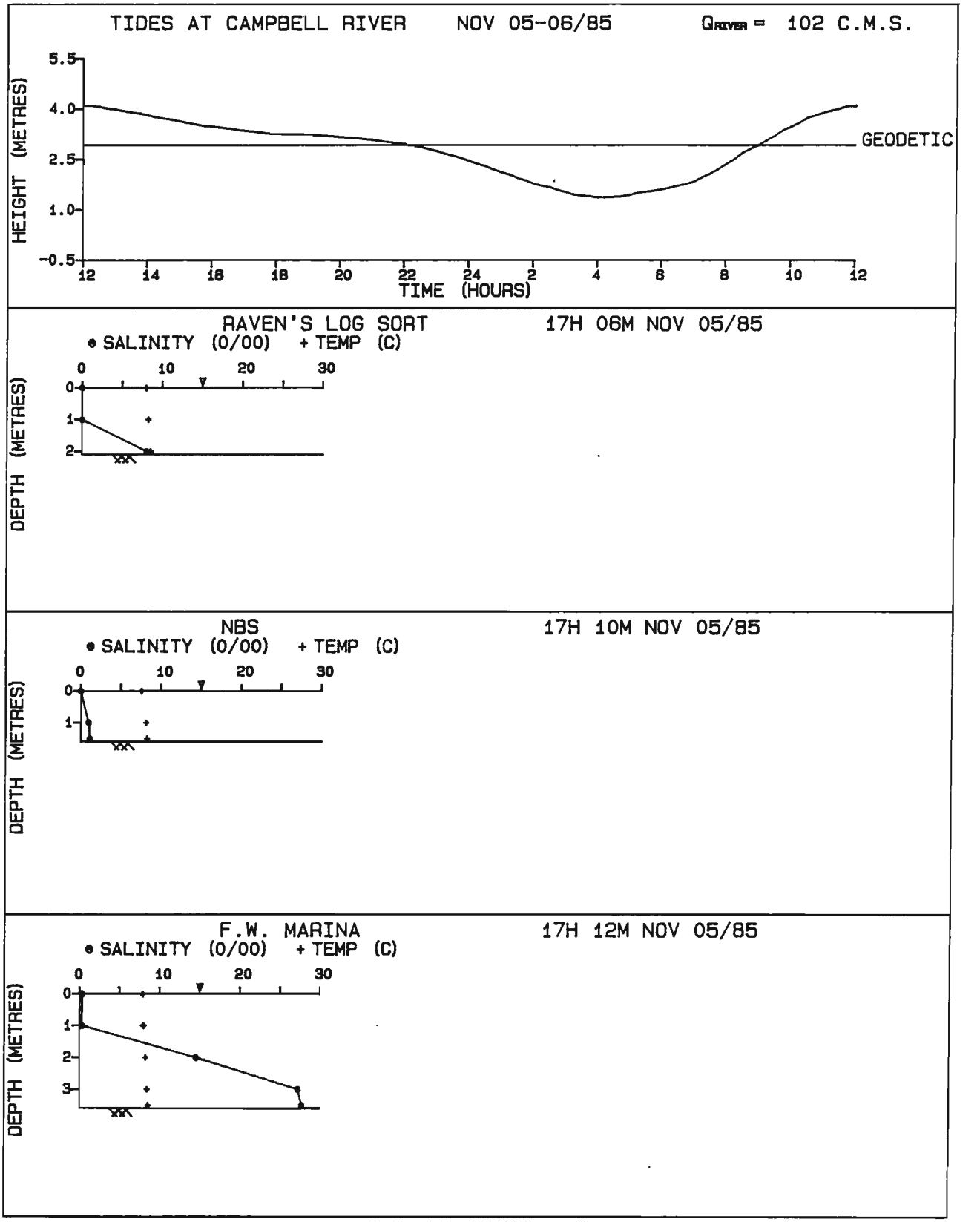
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



NOV 06/85 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
TYEE PT	07H 16M	.0	.00	8.4		
		1.0	20.62	8.3		
		2.0	27.65	8.3		
		3.0	28.51	8.3		
RANGE MARKERS	07H 24M	.0	.00	8.6		
		.5	.05	8.5		
		1.0	.05	8.7		
		1.5	.05	8.8		
RANGE MARKERS	07H 44M	1.5	.00			
RANGE MARKERS	07H 53M	.0	.00			
		1.5	.60	8.9		
RANGE MARKERS	08H 11M	1.5	8.72			
		2.0	25.51			
GULF SIGN	08H 20M	.0	.00	8.7	.20	E
		1.0	.00	8.8	.20	E
		2.0	.00	8.8	.22	E
		3.0	.00	8.8	.14	E
		3.5	.00	8.7	.08	E
FISH STN WHARF	08H 41M	.0			.18	E
		3.5	8.72		.00	
NBM MAIN CHAN	08H 54M	3.0	.00			
NBM MAIN CHAN	09H 11M	3.0	.00			
NBM MAIN CHAN	09H 13M	3.0	1.02			
SBM - LOG CHUTE	09H 32M	.0			.28	E
		1.0			.34	E
		2.0			.32	E
		3.0			.28	E
SBM - LOG CHUTE	09H 44M	.0			.34	E
		1.0			.34	E
		2.0			.28	E
		3.0			.22	E
SBM - LOG CHUTE	09H 51M	.0			.32	E
		1.0			.32	E
		2.0			.32	E
		3.0			.22	E
SBM - LOG CHUTE	09H 59M	.0			.32	E

NOV 06/85 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
SBM - LOG CHUTE	09H 59M	1.0			.34	E
		2.0			.34	E
		3.0			.12	E
		3.4			.00	
SBM - LOG CHUTE	10H 02M	.0	.00	8.7		
		1.0	.00	8.7		
		2.0	.00	8.7		
		3.0	1.56	8.7		
		3.5	25.51	9.0		
SBM - LOG CHUTE	10H 03M	.0	.00	8.7	.34	E
		.5			.32	E
		1.0	.00	8.7	.30	E
		1.5			.25	E
		2.0	.00	8.7	.26	E
		2.6			.20	E
		3.0	10.62	8.6	.00	
		3.4			.01	F
		3.5	26.58	8.5		
SBM - LOG CHUTE	10H 10M	.0	.00	8.6	.34	E
		.5	.00	8.6	.38	E
		1.0	.00	8.6	.32	E
		1.5			.32	E
		2.0	.00	8.6	.25	E
		2.4	.03	8.6		
		2.5	.19	8.6	.24	E
		2.6	6.54	8.6		
		2.8			.00	
		3.0	17.21	8.5	.10	F
		3.4			.00	
		3.8	26.94	8.5		
SBM - LOG CHUTE	10H 16M	.0	.00	8.7	.34	E
		.5	.00	8.6	.34	E
		1.0	.00	8.6	.32	E
		1.5	.00	8.6	.26	E
		2.0	.02	8.6	.24	E
		2.1	.04	8.6		
		2.2	1.02	8.6		
		2.3	2.79	8.6		
		2.4	4.90	8.6		
		2.5	6.54	8.6	.08	E
		2.6			.00	
		3.0	25.30	8.5	.18	F
		3.2			.16	F
		3.5	27.15	8.5	.04	F
		3.9	27.15	8.5		

NOV 06/85 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
SBM - LOG CHUTE	10H 23M	.0	.00	8.7	.38	E
		.5	.00	8.7	.39	E
		1.0	.00	8.7	.38	E
		1.5	.00	8.7	.38	E
		2.0	.49	8.7	.32	E
		2.1	.80	8.7		
		2.2	1.23	8.7		
		2.3	6.85	8.7		
		2.4	8.59	8.7		
		2.5	16.87	8.6	.00	
		2.6			.00	
		3.0	26.22	8.6	.20	F
		3.4			.08	F
		3.5	27.36	8.6		
		4.0	27.58	8.6		
SBM - LOG CHUTE	10H 35M	.0	.00	8.7	.41	E
		.5	.00	8.7	.41	E
		1.0	.00	8.7	.39	E
		1.5	.03	8.7	.38	E
		2.0	.05	8.7	.26	E
		2.1	1.02	8.7		
		2.2	2.40	8.7	.40	E
		2.3	2.68	8.7		
		2.4	4.43	8.7	.00	
		2.5	10.62	8.6	.10	F
		2.6	21.17	8.6		
		3.0	26.79	8.6	.10	F
		3.4			.40	F
		3.5	27.58	8.5		
		4.0	27.65	8.5		
SBM - LOG CHUTE	10H 45M	.0	.00	8.7	.52	E
		.5	.00	8.7	.52	E
		1.0	.00	8.7	.48	E
		1.5	.03	8.7	.48	E
		2.0	.49	8.7	.30	E
		2.1	.91	8.7		
		2.2	.91	8.7		
		2.3	2.68	8.7		
		2.4	6.23	8.6		
		2.5	17.14	8.6	.00	
		2.6	22.35	8.6	.01	F
		3.0	27.29	8.6	.10	F
		3.5	27.65	8.6	.06	F
		4.1	28.01	8.6		
SBM - LOG CHUTE	10H 55M	.0	.00	8.7	.46	E
		.5	.00	8.7	.48	E

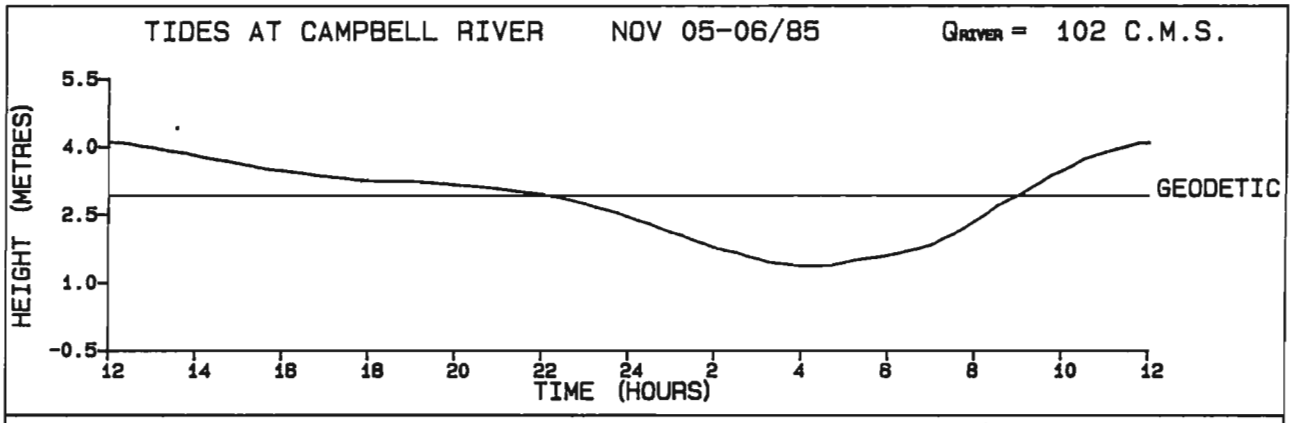
NOV 06/85 RIVER DISCHARGE - 102 CU.M/SEC

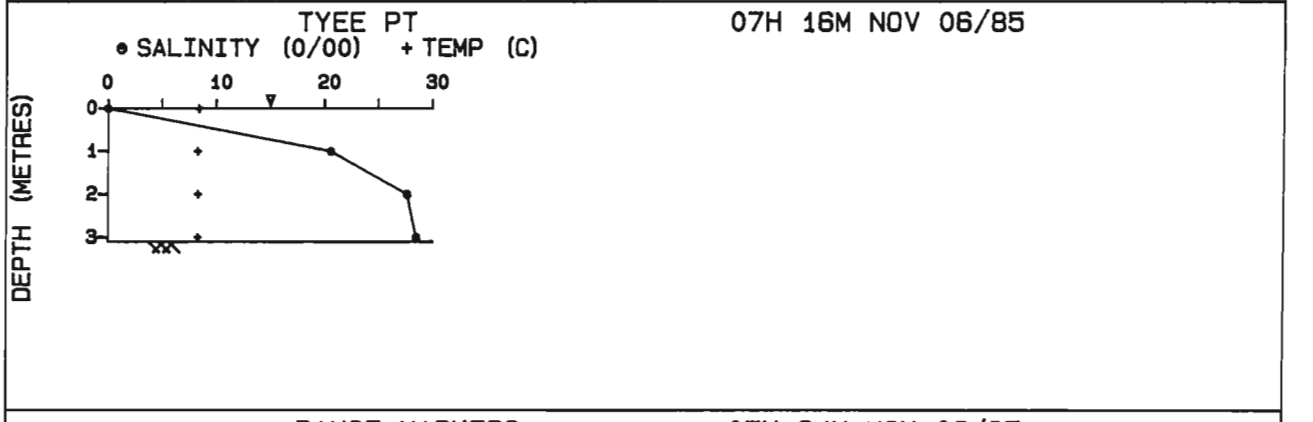
LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
SBM - LOG CHUTE	10H 55M	1.0	.00	8.7	.42	E
		1.5	.19	8.6	.41	E
		2.0	.29	8.6	.32	E
		2.1	.60	8.6		
		2.2	.70	8.6		
		2.3	.91	8.6		
		2.4	1.02	8.6	.00	
		2.5	1.02	8.6	.00	
		2.6	1.02	8.6		
		2.7	5.63	8.6		
		2.8	11.91	8.6		
		3.0	17.21	8.6	.10	F
		3.5	26.37	8.5	.40	F
		3.6			.35	F
		4.2	27.87	8.5		
SBM - LOG CHUTE	11H 05M	.0	.00	8.7	.42	E
		.5	.00	8.7	.46	E
		1.0	.00	8.7	.46	E
		1.5			.42	E
		2.0	.75	8.7	.32	E
		2.1	.75	8.7		
		2.2	1.56	8.7		
		2.3	2.68	8.6		
		2.4	12.24	8.6		
		2.5	15.73	8.6	.20	E
		3.0	23.05	8.5	.00	
		3.5	25.87	8.5	.00	
		4.0	26.79	8.5		
		4.3	26.94	8.5		
SBM - LOG CHUTE	11H 25M	.0			.46	E
		.5			.48	E
		1.0			.44	E
		1.5			.40	E
		2.0			.30	E
		2.5			.00	
		2.6			.00	
		3.0			.08	F
		3.2			.08	F
		3.6			.10	F
SBM - LOG CHUTE	11H 40M	.0	.00	8.5	.42	E
		.5	.00	8.5	.50	E
		1.0	.00	8.5	.50	E
		1.5	.03	8.5	.45	E
		2.0	.75	8.5	.32	E
		2.1	.75	8.5		
		2.2	3.25	8.5		

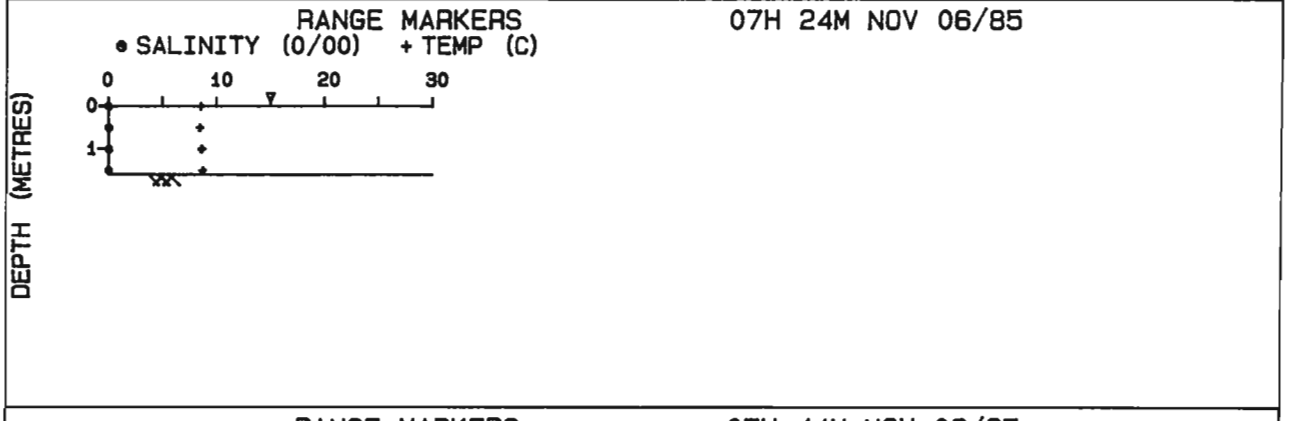
NOV 06/85 RIVER DISCHARGE = 102 CU.M/SEC

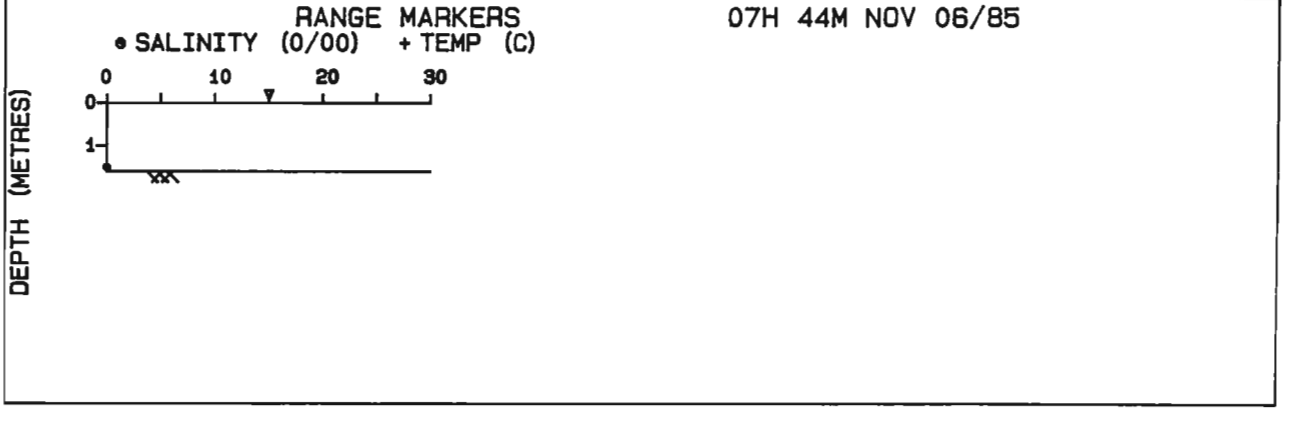
LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
SBM - LOG CHUTE	11H 40M	2.3	5.63	8.5		
		2.4	7.47	8.5	.04	E
		2.5	11.59	8.5	.00	
		2.6	14.87	8.5		
		3.0	25.87	8.5	.08	F
		3.2			.02	F
		3.5	27.29	8.5		
		3.7			.06	F
		4.3	27.65	8.4		
SBM - LOG CHUTE	11H 59M	.0	.00	8.5	.54	E
		.5	.00	8.5	.52	E
		1.0	.02	8.5	.52	E
		1.5	.04	8.5	.42	E
		2.0	.80	8.5	.34	E
		2.1	1.29	8.5		
		2.2	5.02	8.5		
		2.3	10.62	8.5		
		2.4	12.56	8.5		
		2.5	14.54	8.5	.00	
		2.6			.00	
		3.0	26.86	8.5	.01	F
		3.5	28.01	8.5	.02	F
		3.9			.01	F
		4.0	28.01	8.5		
		4.3	28.01	8.5		

SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

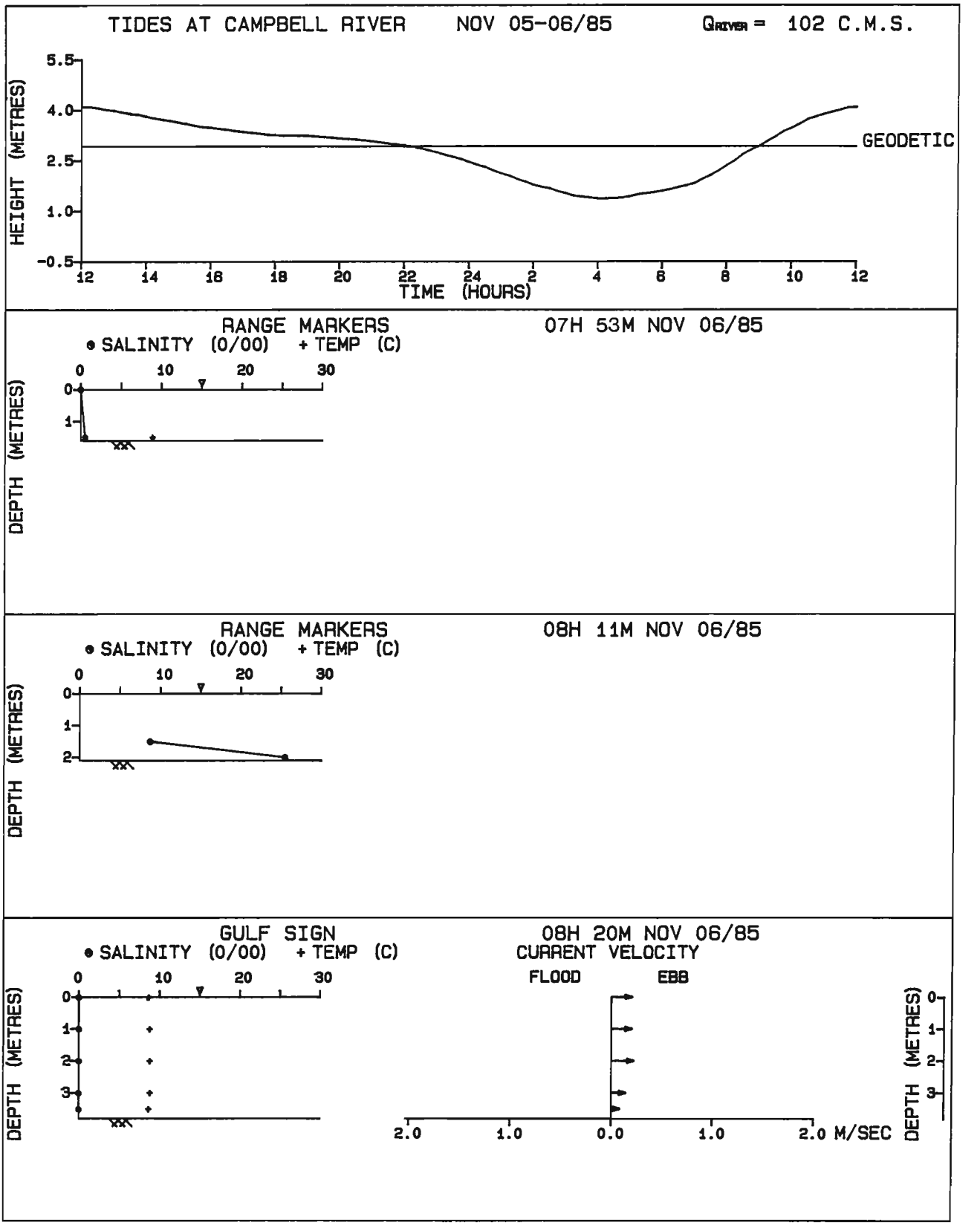




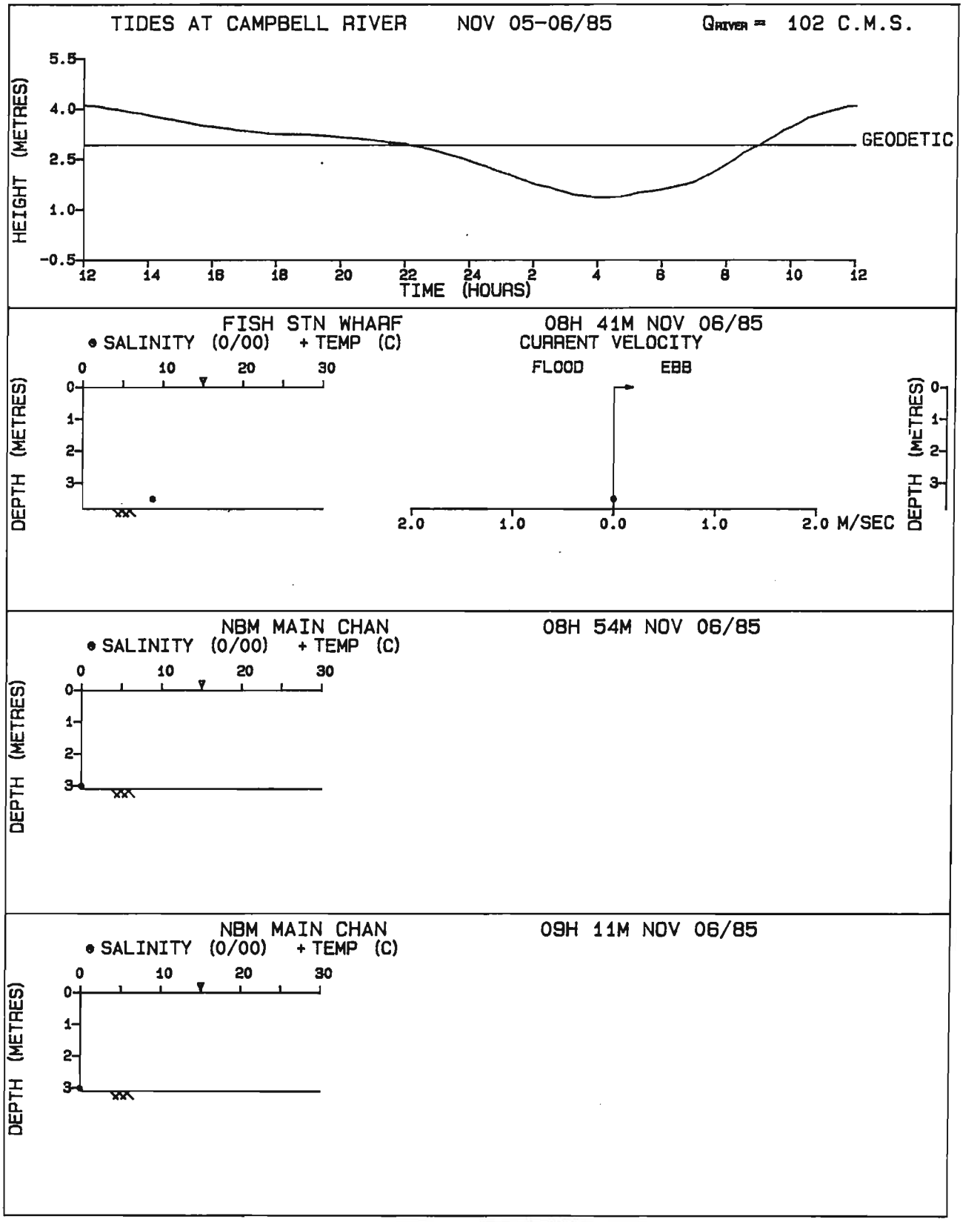




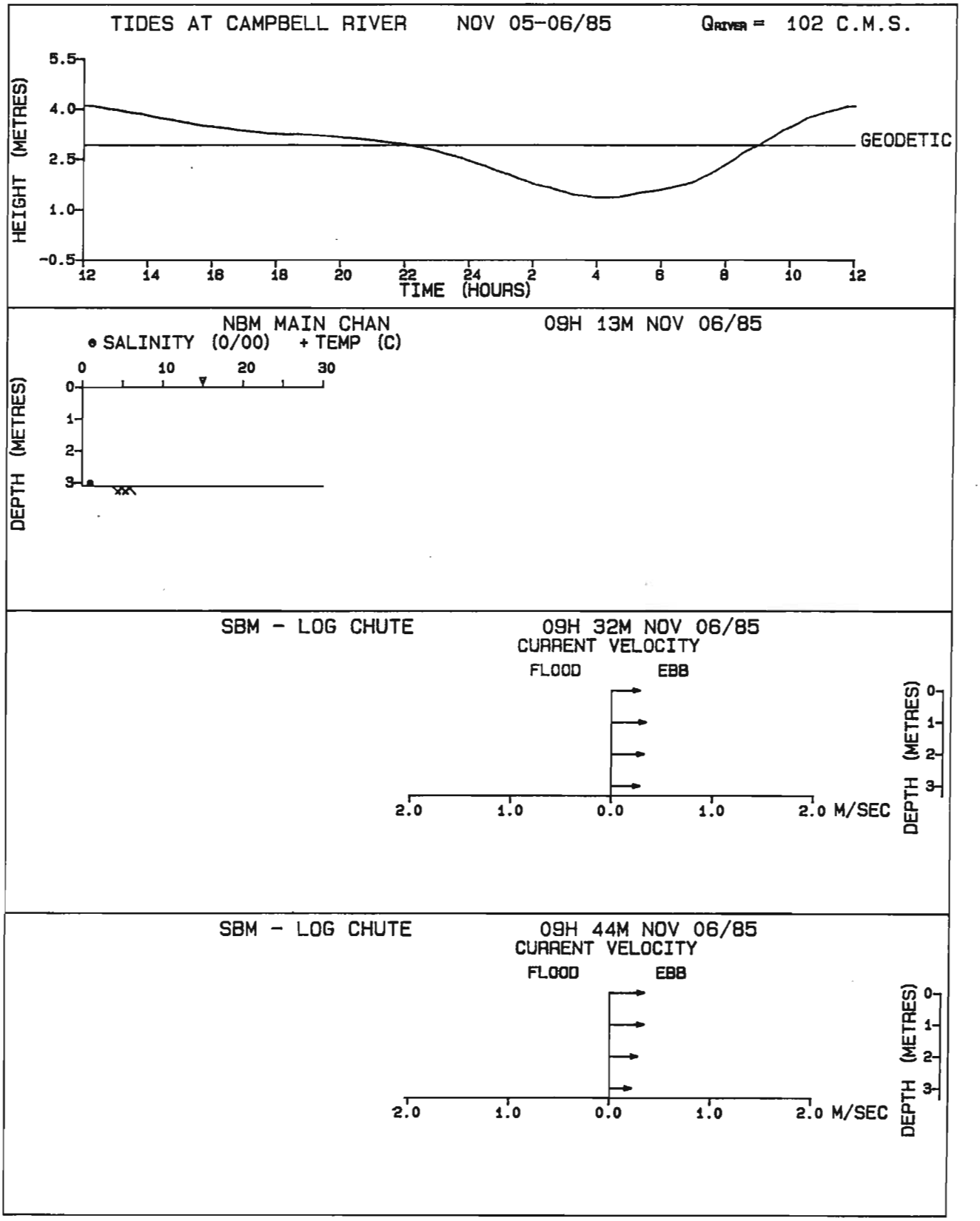
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



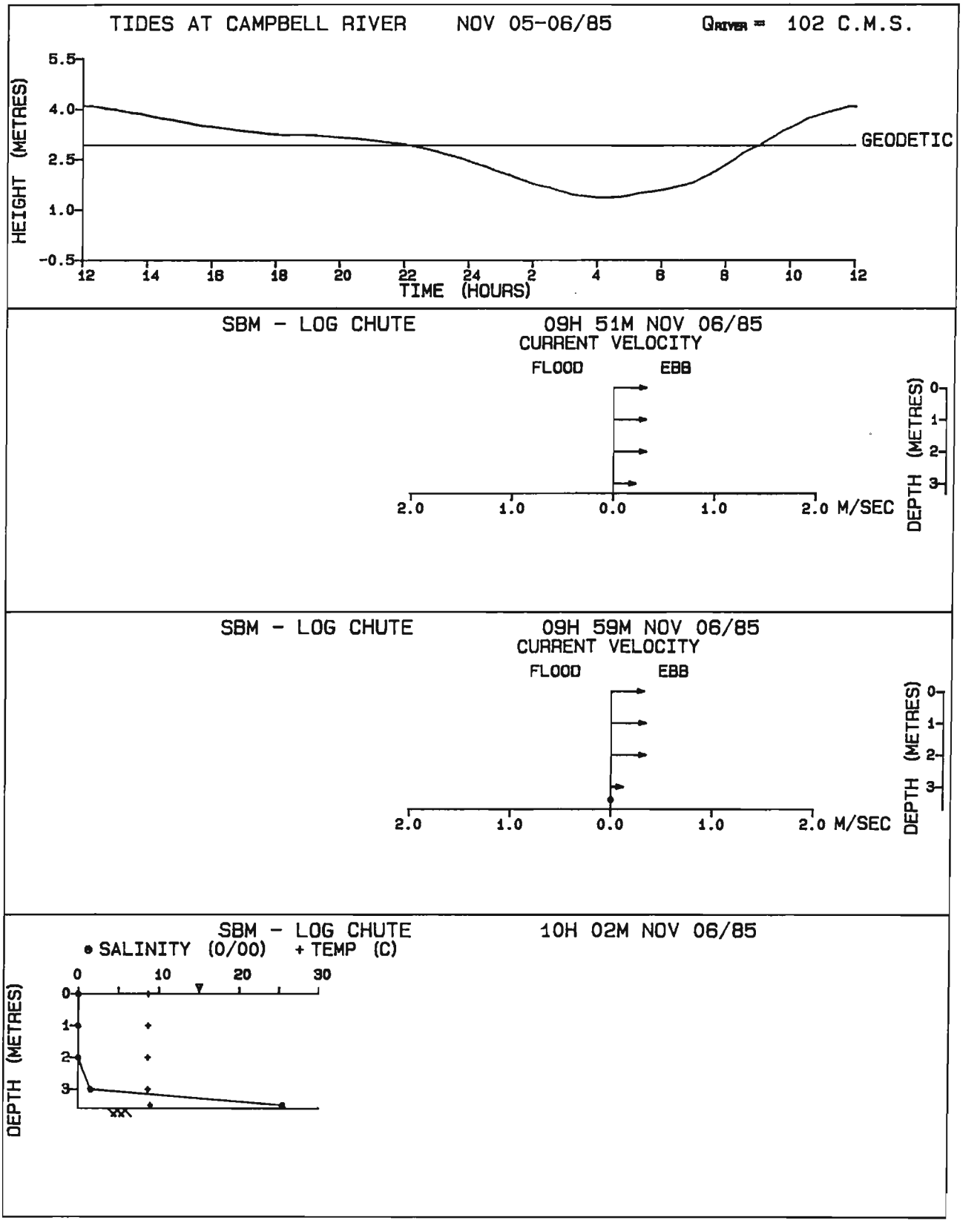
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



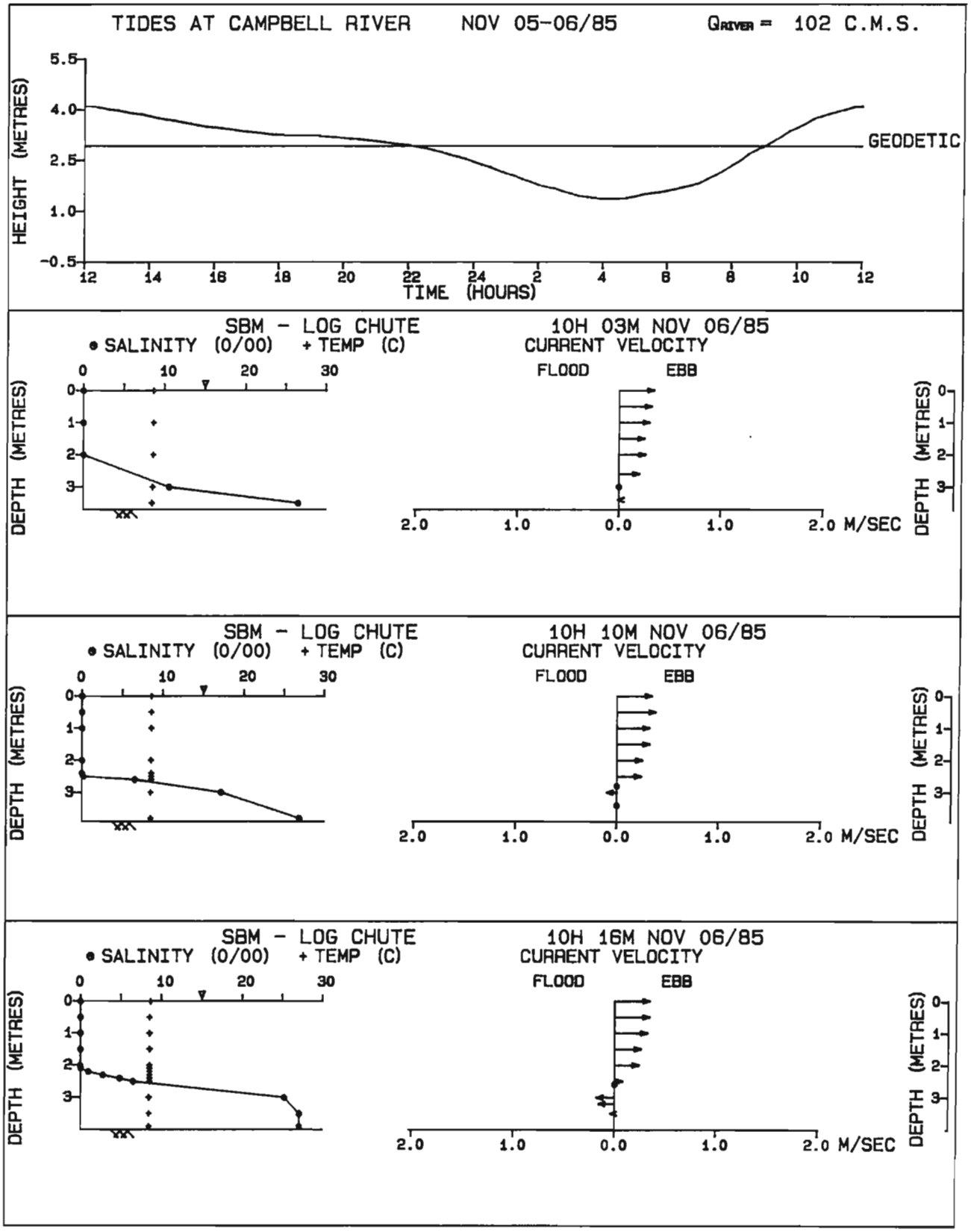
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



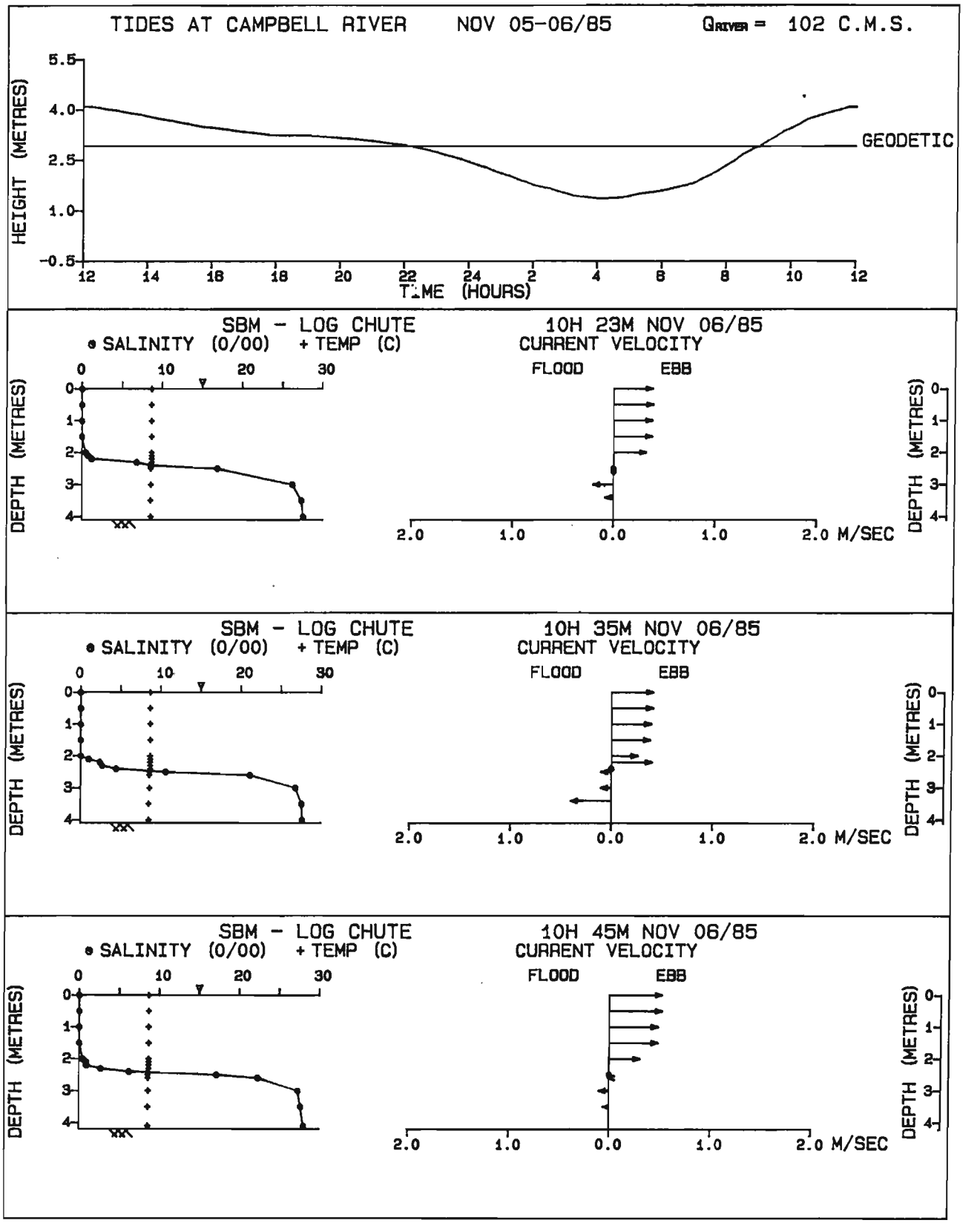
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



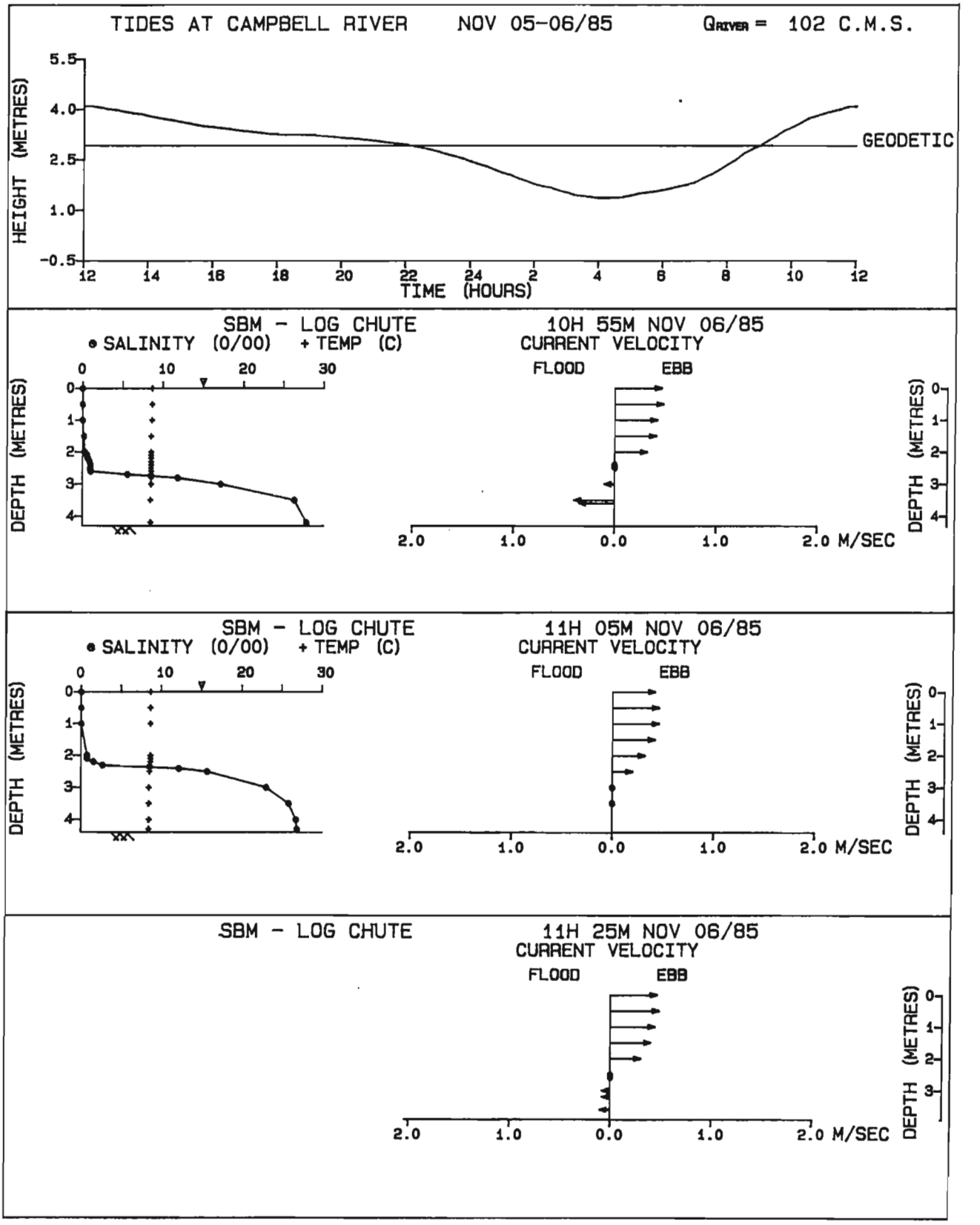
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



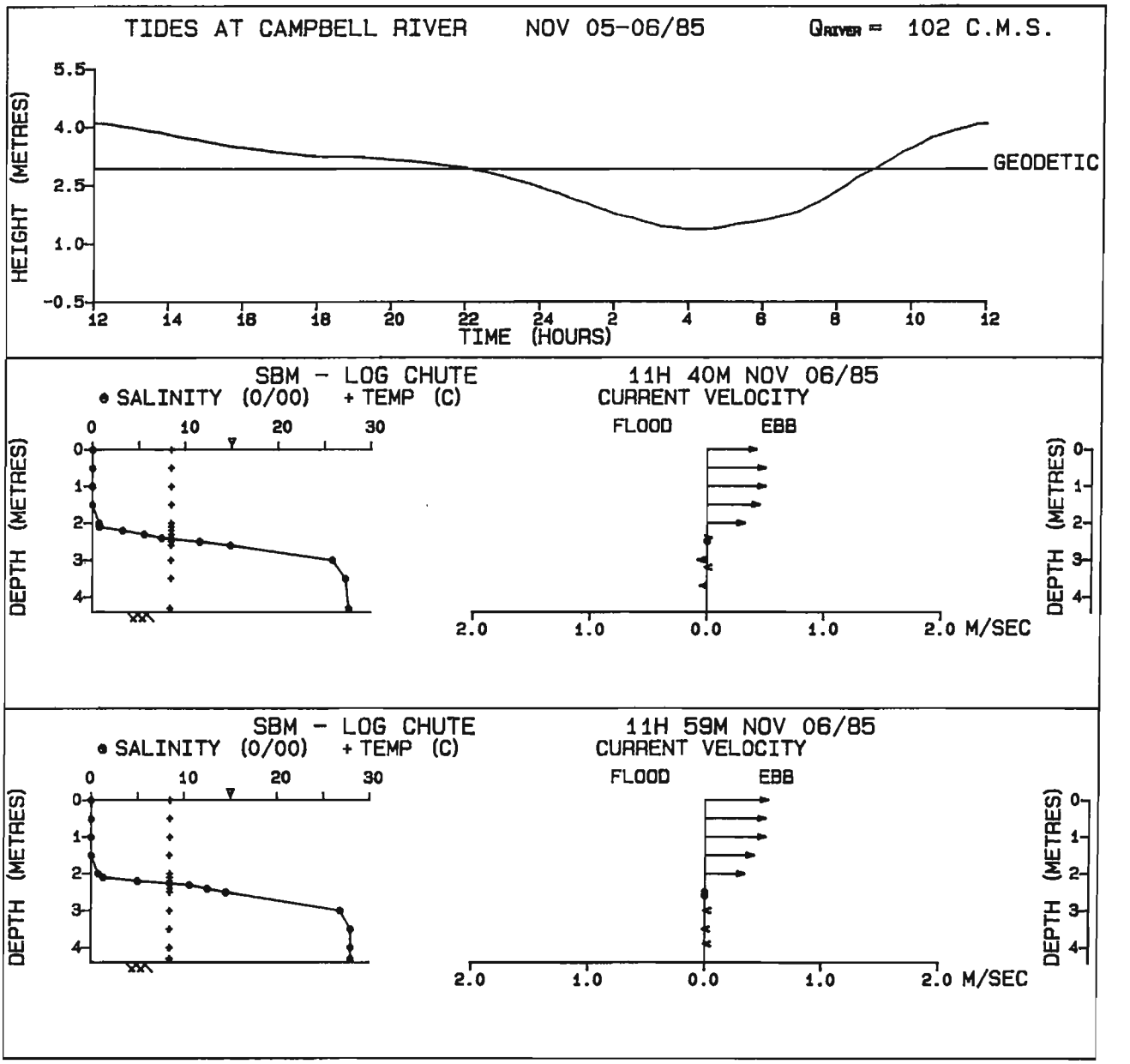
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



MAY 12/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
LOG BASIN	07H 42M	.0	4.37	9.2		
		1.0	15.20	9.0		
		2.0	22.14	8.5		
		3.0	27.79	8.2		
		4.0	28.37	8.2		
		5.0	28.37	8.2		
		6.0	29.02	8.1		
NUNS CREEK	07H 44M	.0	5.63	8.9		
		1.0	13.28	8.6		
		2.0	25.58	8.6		
		3.0	28.73	8.3		
		4.0	29.45	8.3		
		5.0	29.45	8.3		
		6.0	29.67	8.2		
		7.0	29.67	8.1		
		7.5	29.67	8.1		
MOTHER RAMP	07H 50M	.0	5.93	8.4		
		1.0	8.72	8.5		
		2.0	28.51	8.3		
		3.0	29.09	8.2		
GRASS	07H 59M	.0	3.54	8.5		
		1.0	16.74	8.7		
		1.2	16.74	8.7		
ISL #1&#2 CHAN	08H 03M	.0	1.67	8.2		
		.5	1.67	8.2		
		1.0	6.85	8.3		
ISLAND #3 CHAN	08H 08M	.0	1.12	8.0		
		.5	2.40	8.2		
		1.0	12.30	8.0		
		1.5	20.48	8.0		
ISL #3 PULLEYS	08H 11M	.0	3.02	8.1		
		.5	5.02	8.2		
		1.0	9.98	8.2		
		1.5	27.65	8.0		
ISL #1 BAY	08H 15M	.0	4.19	8.3		
		.5	4.19	8.4		
TYEE PT	08H 24M	.0	9.66	8.4		
		1.0	21.17	8.3		
		2.0	29.45	8.0		
RANGE MARKERS	08H 29M	.0	1.23	8.3		

MAY 12/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
RANGE MARKERS	08H 29M	.5	4.13	8.0		
		1.0	9.66	8.0		
		2.0	26.22	8.0		
GULF SIGN	08H 33M	.0	.14	8.2		
		1.0	.75	8.2		
		2.0	16.54	8.2		
		3.0	29.23	8.0		
FISH STN WHARF	08H 35M	.0	.00	8.2		
		1.0	.00	8.2		
		2.0	27.65	8.2		
		3.0	29.45	8.2		
NBM (MAIN)	08H 39M	.0	.00	8.1		
		1.0	.00	8.1		
		2.0	.10	8.1		
		3.0	8.84	8.1		
FISH BARGE	08H 41M	.0	.00	8.1		
		1.0	.00	8.1		
		2.0	.00	8.1		
SBM (MAIN CHAN)	08H 44M	.0	.00	8.2		
		1.0	.00	8.1		
		1.5	.00	8.1		
TOP TAG (MAIN)	08H 50M	.0	.00	8.2		
		1.0	.00	8.2		
		1.5	.00	8.2		
CHUTE FLOAT	08H 54M	.0	.00	8.2		
		1.0	.00	8.2		
		2.0	.00	8.2		
#1 RAMP, 100M W	14H 38M	.0	.00	8.2		
		.5	.00	8.5		
		1.0	.00	8.4		
		1.5	.00	8.3		
#1 RAMP, 20M W	14H 40M	.0	.14	8.6		
		.5	.00	8.6		
		1.0	.14	8.5		
		2.0	.05	8.5		
		2.5	15.20	9.0		
200M SOUTH TYEE	14H 43M	.0	.00	8.5		
		.5	.00	8.6		
		1.0	.14	8.6		

MAY 12/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
200M SOUTH TYEE	14H 43M	2.0	22.70	9.2		
#1 RAMP MID CHAN	14H 46M	.0	.10	8.6		
		.5	.10	8.7		
		.1	.14	8.8		
		1.5	.19	8.8		
#2 RAMP, SHORE	14H 48M	.0	.10	8.8		
		.5	.14	8.5		
		1.0	.49	8.6		
		2.0	23.75	9.0		
#2 RAMP MID CHAN	14H 51M	.0	.00	8.8		
		.5	.19	8.6		
		1.0	.91	8.8		
		1.5	22.84	9.2		
MOTHER RAMP 2M/E	14H 53M	.0	.00	8.7		
		.5	.34	8.7		
		1.0	1.29	8.8		
		2.0	8.72	8.9		
MOTHER RAMP, MID	14H 56M	.0	.24	8.8		
		.5	.34	9.0		
		1.0	3.02	9.0		
		2.0	26.01	9.0		
#3 RAMP, SHORE	14H 58M	.0	.54	8.9		
		.5	.60	8.9		
		1.0	19.45	9.3		
		2.0	23.75	9.0		
#4 RAMP MID CHAN	15H 01M	.0	.54	9.0		
		.5	.54	9.0		
		1.0	20.07	9.3		
		2.0	25.44	8.6		
TYEE POOL NORTH	15H 05M	.0	.65	9.0		
		.5	.91	8.9		
		1.0	15.20	9.3		
		2.0	24.81	8.7		
		2.5	25.87	8.5		
NUN'S CREEK	15H 08M	.0	2.11	9.1		
		.5	3.95	9.2		
		1.0	4.60	9.3		
		2.0	25.44	8.6		
		3.0	25.87	8.5		
		4.0	27.29	8.3		

MAY 12/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
NUN'S CREEK	15H 08M	5.0	29.23	8.2		
		6.0	29.81	8.1		
LOG BASIN	15H 15M	.0	4.60	9.5		
		.5	14.54	9.5		
		1.0	22.35	9.4		
		2.0	24.52	8.8		
		3.0	25.87	8.8		
		4.0	28.01	8.5		
		5.0	29.81	8.3		
TYEE PT	15H 27M	.0	.00	8.5		
		.5	.00	8.5		
		1.0	1.56	8.5		
		2.0	29.09	8.0		
		3.0	29.59	7.9		
		4.0	29.81	7.9		
RANGE MARKERS	15H 32M	.0	.00	8.5		
		.5	.00	8.3		
		1.0	.00	8.3		
NBM TUG TURN	15H 42M	.0	.80	8.8		
		.5	.80	8.7		
		1.0	.86	8.9		
		2.0	29.45	8.3		
		3.0	29.81	8.2		
NBM	15H 45M	.0	.00	8.9		
		.5	.70	8.5		
		1.0	.60	8.5		
		1.7	.70	8.6		
NBS	15H 47M	.0	1.02	8.9		
		.5	1.18	8.9		
		1.0	1.34	8.9		
GULF SIGN	16H 06M	.0	.00	8.3		
		1.0	.00	8.3		
		2.0	.00	8.3		
		2.5	.00	8.3		
TYEE PT	16H 19M	.0	.10	8.5		
		.5	1.83	8.3		
		1.0	22.01	8.0		
		2.0	29.81	8.0		
		3.0	30.25	8.0		
		4.0	30.39	8.0		
		5.0	30.39	8.0		

MAY 12/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
RANGE MARKERS	16H 23M	.0	.00	8.2		
		.5	.00	8.2		
		1.0	.24	8.2		
		1.5	28.37	8.0		
NBM MAIN (TIED)	17H 01M	.0	.00	8.5	.15	E
		.5	.00	8.4	.10	E
		1.0	.00	8.4	.10	E
		1.5			.00	
		2.0	.00	8.4	.00	
		2.5			.00	
		3.0	.00	8.4		
NBM MAIN (TIED)	17H 15M	.0	.00	8.4	.10	E
		.5	.00	8.4	.12	E
		1.0	.00	8.4	.10	E
		1.5			.05	E
		2.0	.00	8.4	.00	
		2.5			.00	
		3.0	.29	8.4	.02	F
NBM MAIN (TIED)	17H 19M	.0	.00	8.4	.05	E
		.5	.00	8.4	.16	E
		1.0	.00	8.4	.16	E
		1.5			.12	E
		2.0	.00	8.4	.12	E
		2.5			.00	
		3.0	1.29	8.4	.00	
		3.3	24.10	8.2		
NBM MAIN (TIED)	17H 24M	.0	.00	8.4	.10	E
		.5			.18	E
		1.0	.00	8.4	.15	E
		1.5			.16	E
		2.0	.00	8.4	.08	E
		2.5			.00	
		3.0	11.91	8.2	.02	F
		3.4	26.15	8.1		
NBM MAIN (TIED)	17H 28M	.0	.00	8.4	.15	E
		.5	.00	8.4	.20	E
		1.0	.00	8.4	.20	E
		1.5			.17	E
		2.0	.39	8.4	.10	E
		2.5	4.55	8.3	.01	F
		3.0	25.51	8.2		
		3.5	27.65	8.1	.00	
NBM MAIN (TIED)	17H 34M	.0	.00	8.5	.18	E

MAY 12/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
NBM MAIN (TIED)	17H 34M	.5			.24	E
		1.0	.00	8.4	.33	E
		1.5			.30	E
		2.0	.44	8.4	.20	E
		2.5	5.02	8.3	.00	
		3.0	26.94	8.2	.00	
		3.5	27.65	8.1		
NBM MAIN (TIED)	17H 38M	.0	.00	8.5	.30	E
		.5			.34	E
		1.0	.10	8.4	.35	E
		1.5			.30	E
		2.0	1.56	8.4	.22	E
		2.5	10.11	8.3	.00	
		3.0	27.29	8.2	.00	
		3.2			.00	
NBM MAIN (TIED)	17H 43M	.0	.05	8.5	.24	E
		.5			.29	E
		1.0	.19	8.5	.34	E
		1.5			.31	E
		2.0	1.72	8.5	.20	E
		2.5	10.11	8.3	.10	F
		3.0	27.36	8.2	.00	
		3.2	27.65	8.1		
NBM MAIN (TIED)	17H 48M	.0	.00	8.6	.28	E
		.5			.28	E
		1.0	.14	8.5	.32	E
		1.5			.27	E
		2.0	1.18	8.5	.14	E
		2.5	10.81	8.3	.00	
		3.0	28.08	8.2	.00	
		3.2	28.37	8.1		
NBM MAIN (TIED)	17H 54M	.0	.05	8.5	.18	E
		.5			.22	E
		1.0	.14	8.5	.28	E
		1.5			.25	E
		2.0	1.23	8.5	.11	E
		2.3			.00	
		2.5	22.01	8.2	.00	
		2.6			.00	
		2.8			.00	
		3.0	28.37	8.1	.00	
		3.2	28.37	8.1		
NBM MAIN (TIED)	18H 00M	.0	.05	8.6	.16	E
		.5			.21	E

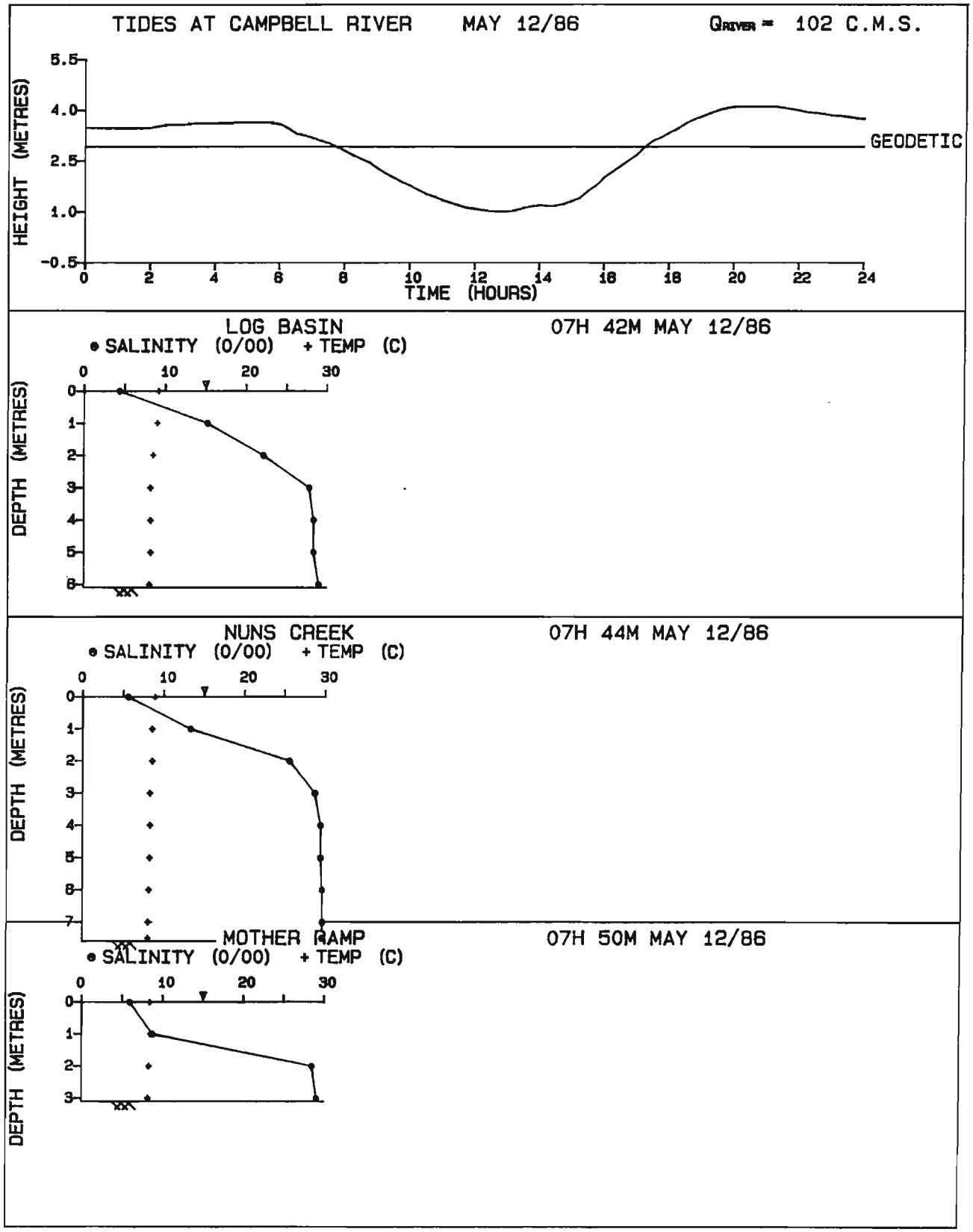
MAY 12/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
NBM MAIN (TIED)	18H 00M	1.0	.10	8.5	.21	E
		1.5			.18	E
		2.0	1.95	8.5	.05	E
		2.2			.00	
		2.3			.04	F
		2.5	22.35	8.2	.02	F
		3.0	28.51	8.1	.00	
		3.5	28.58	8.1	.00	
NBM MAIN (TIED)	18H 05M	.0	.05	8.6	.23	E
		.5			.23	E
		1.0	.05	8.5	.26	E
		1.5			.29	E
		2.0	2.85	8.5	.08	E
		2.3			.00	
		2.5	20.55	8.2	.00	
		3.0	28.73	8.2	.00	
		3.4			.00	
		3.5	28.73	8.1		
NBM MAIN (TIED)	18H 15M	.0	.05	8.7	.23	E
		.5			.23	E
		1.0	.10	8.6	.23	E
		1.5			.22	E
		2.0	2.68	8.5	.02	E
		2.3			.00	
		2.5	22.56	8.3	.00	
		3.0	28.73	8.2	.00	
		3.3	28.94	8.1		
NBM MAIN (TIED)	18H 26M	.0	.14	8.7	.19	E
		.5			.21	E
		1.0	.24	8.6	.30	E
		1.5			.26	E
		2.0	5.63	8.5	.00	
		2.2			.00	
		2.4			.00	
		2.5	27.65	8.3	.00	
		3.0	28.73	8.2	.00	
		3.3	29.09	8.1	.00	
NBM MAIN (TIED)	18H 35M	.0	.10	8.7	.33	E
		.5			.31	E
		1.0	.24	8.6	.32	E
		1.5			.27	E
		2.0	5.63	8.5	.02	E
		2.5	25.51	8.3	.00	
		3.0	29.09	8.1	.00	
		3.2	29.23	8.1		

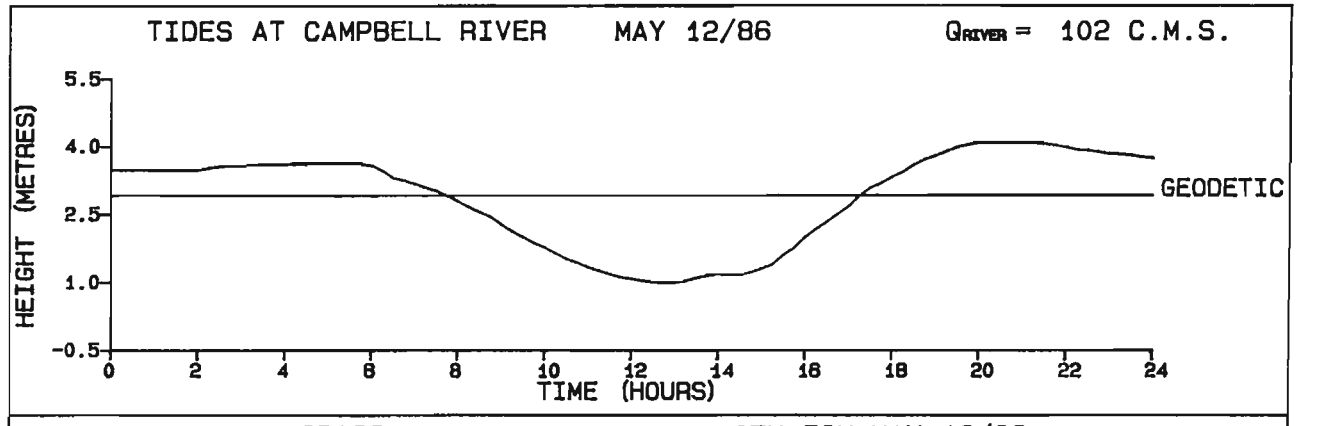
MAY 12/86 RIVER DISCHARGE = 102 CU.M/SEC

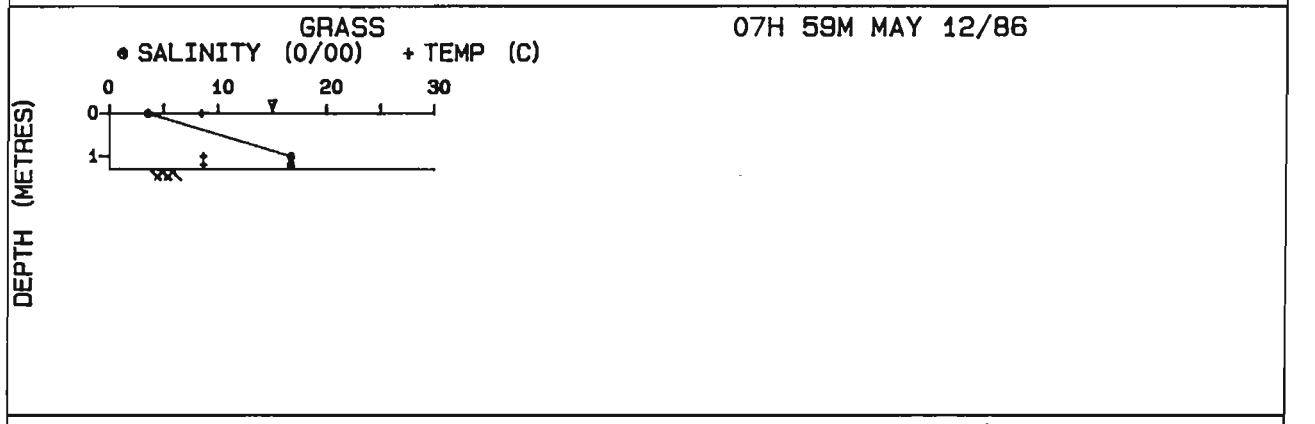
LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
NBM MAIN (TIED)	18H 44M	.0	.24	8.6	.27	E
		.5			.31	E
		1.0	.44	8.5	.36	E
		1.5			.32	E
		2.0	10.94	8.4	.00	
		2.5	27.29	8.3	.00	
		3.0	29.09	8.1	.00	
		3.1	29.09	8.1	.00	
NBM MAIN (TIED)	18H 55M	.0	.39	8.6	.32	E
		.5			.35	E
		1.0	.49	8.5	.38	E
		1.5			.36	E
		2.0	6.54	8.5	.00	
		2.4			.00	
		2.5	26.37	8.3	.00	
		3.0	29.09	8.1	.00	
		3.1	29.09	8.1		
LOG CHUTE, FLOAT	19H 06M	.0	.14	8.5	.24	E
		.5			.28	E
		1.0	.29	8.5	.28	E
		1.5			.28	E
		2.0	1.02	8.5	.24	E
		2.5	11.91	8.5	.00	
		2.9			.00	
		3.0	28.73	8.3		
FLOAT, MAIN CHAN	19H 12M	.0	.00	8.6	.41	E
		.5			.43	E
		1.0	.24	8.5	.40	E
		1.5			.24	E
		2.0	11.91	8.5	.24	E
		2.4	18.57	8.4		
		2.5			.20	F
		2.8			.20	F
PILE BREAKWATER	19H 20M	2.5	.00			
ORANGE CRANE	19H 22M	2.5	.00			
TOP TAG , MAIN	19H 24M	2.5	.00			
FRED'S MAIN CHAN	19H 25M	2.5	16.54	8.3		
TOP TAG MAIN	19H 27M	2.7	8.72	8.3		
GAUGE DOLPHIN	19H 28M	2.5	.00			

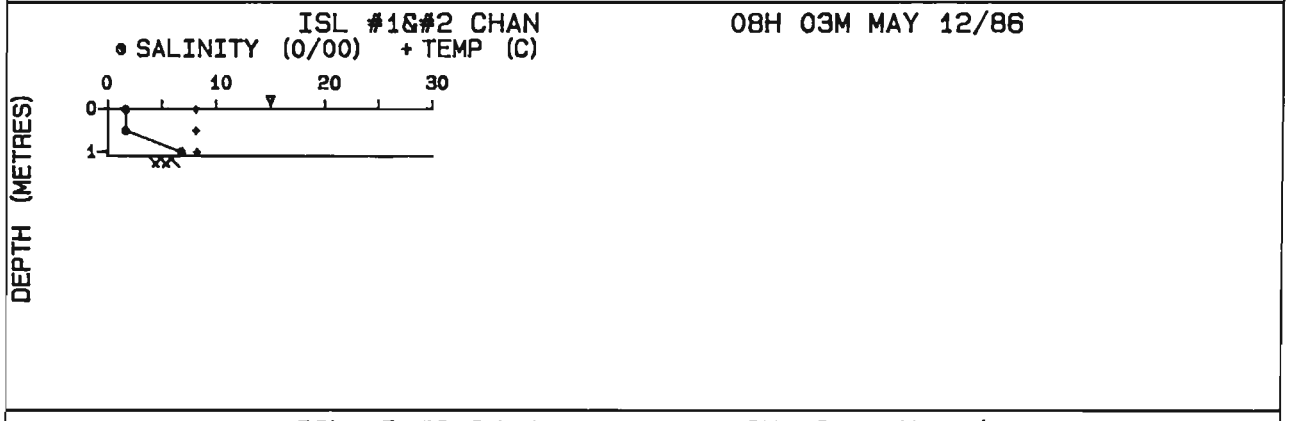
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

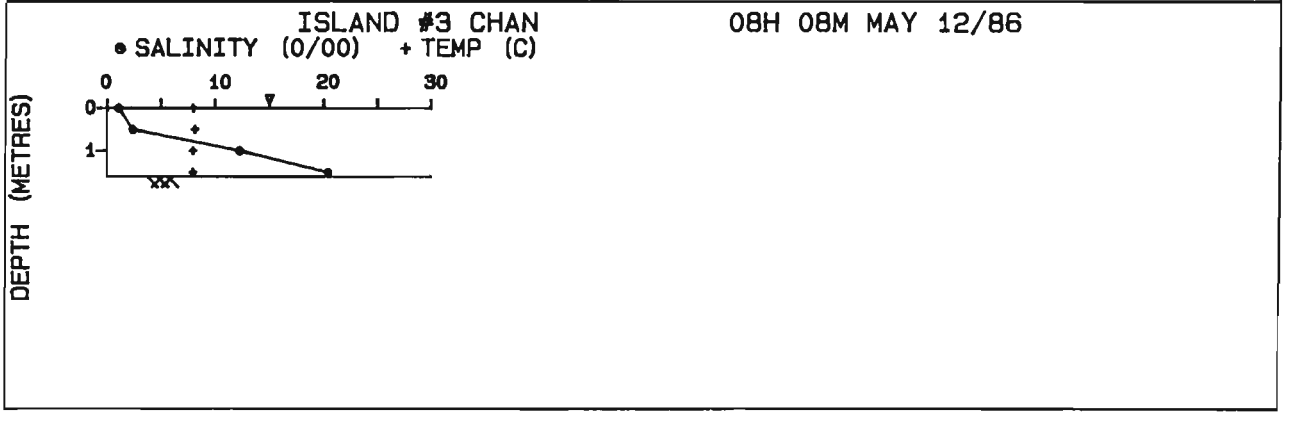


SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

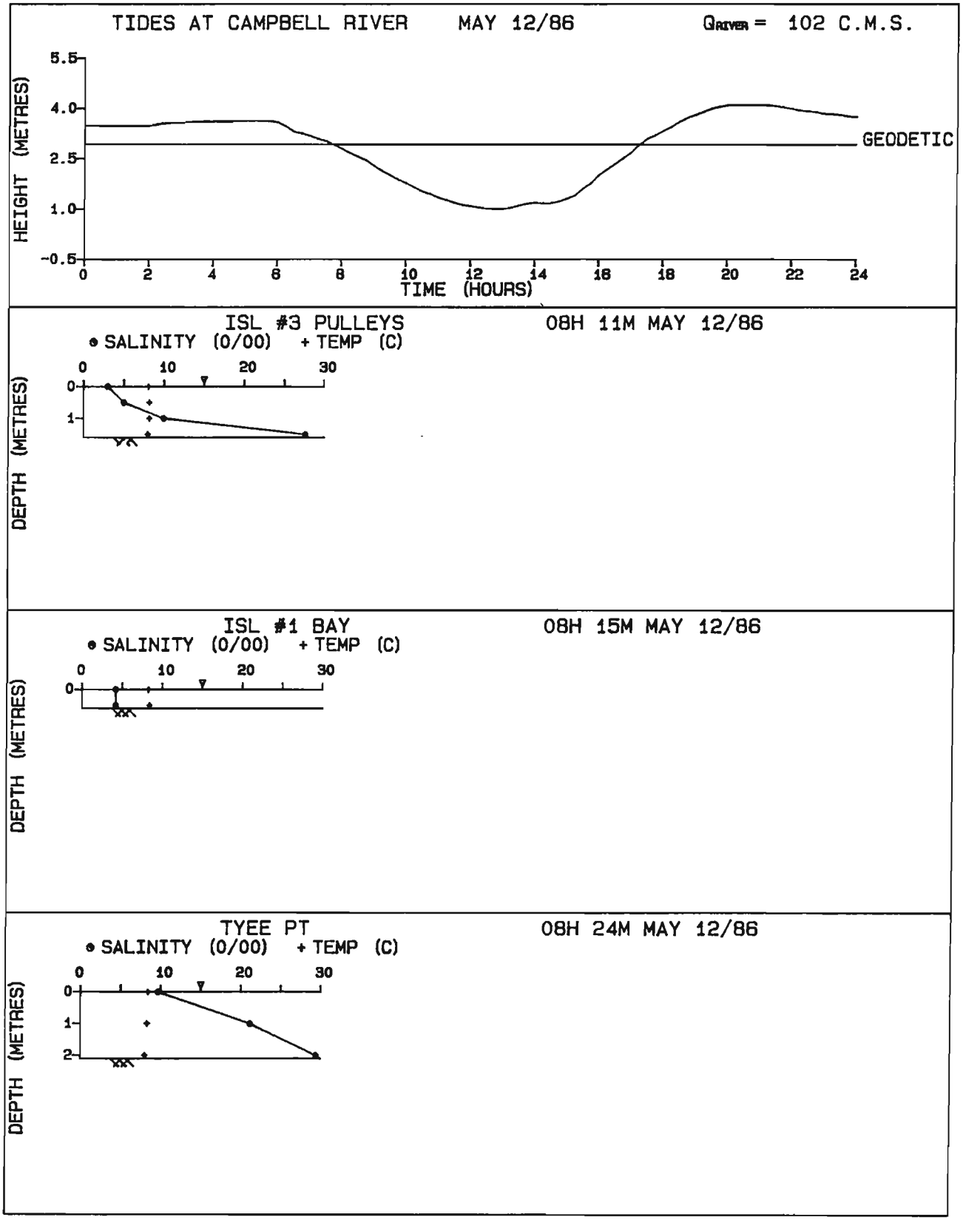




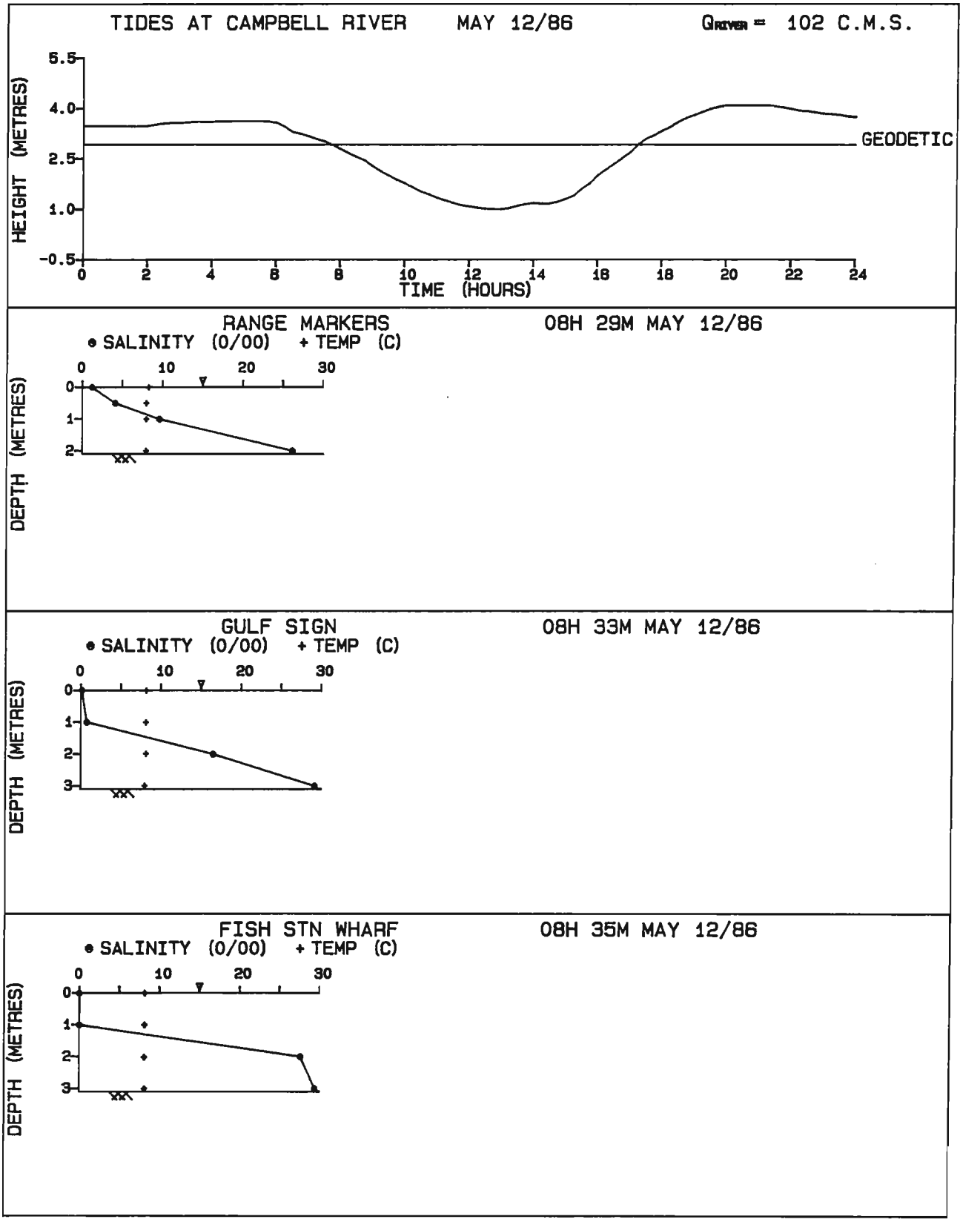




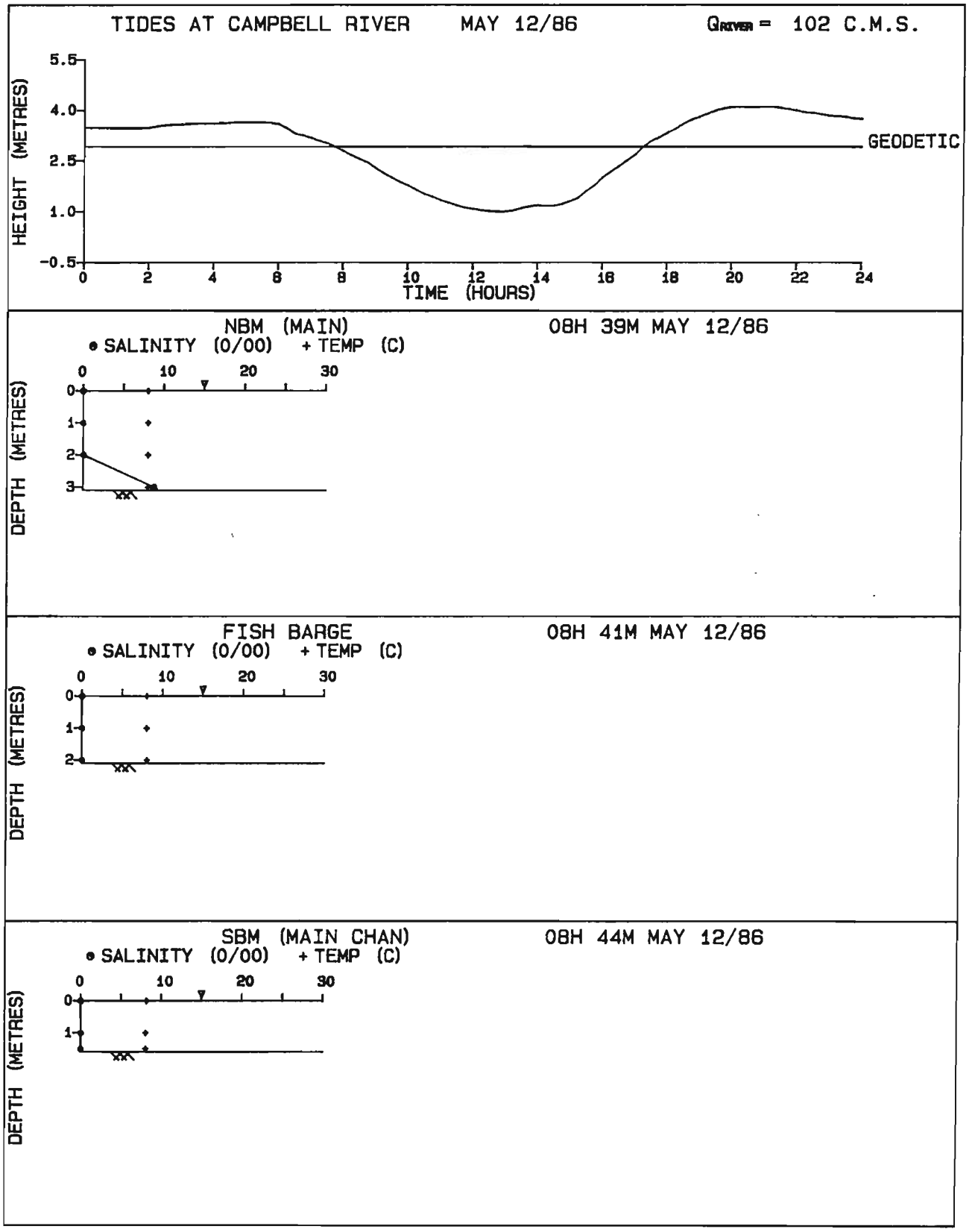
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



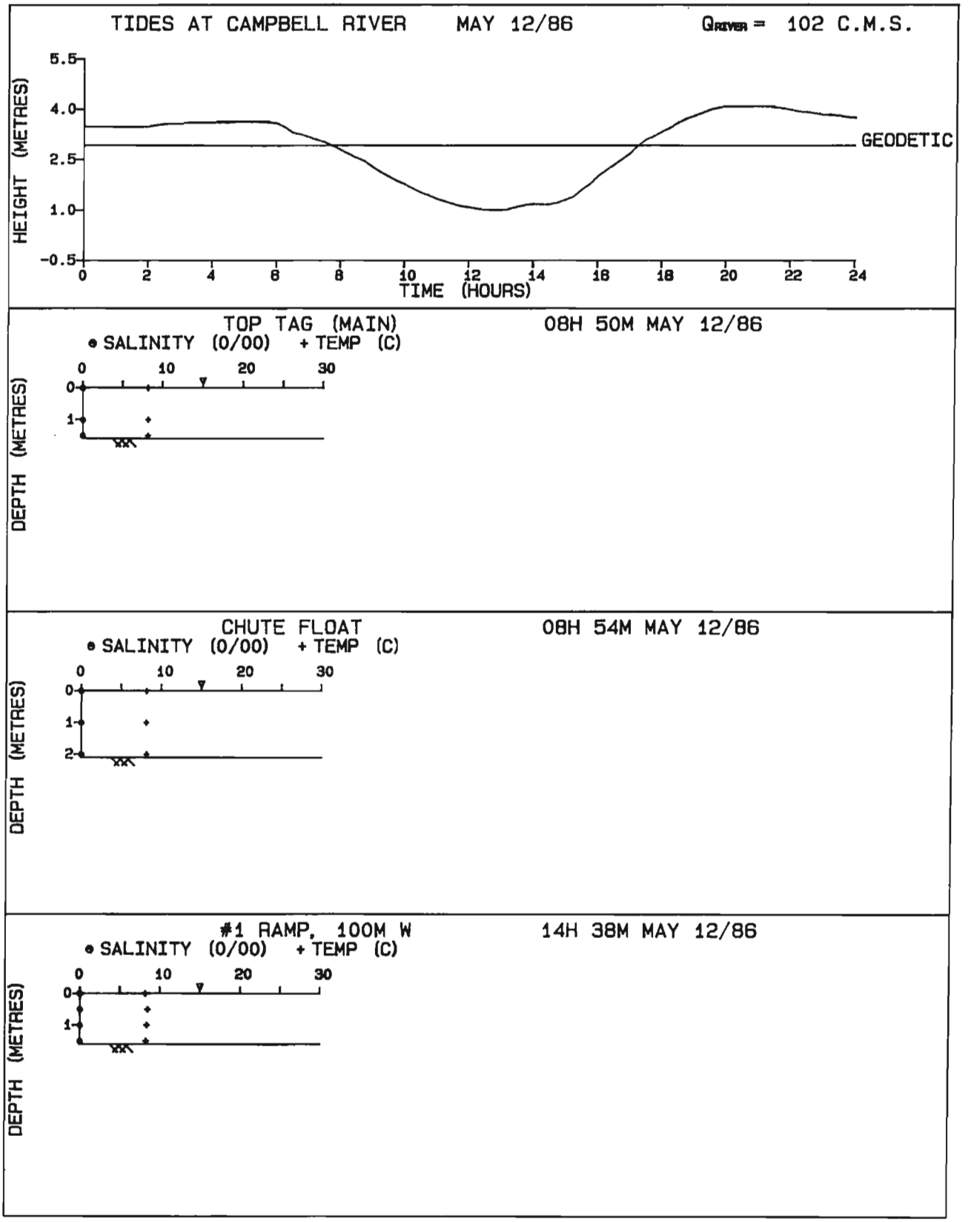
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



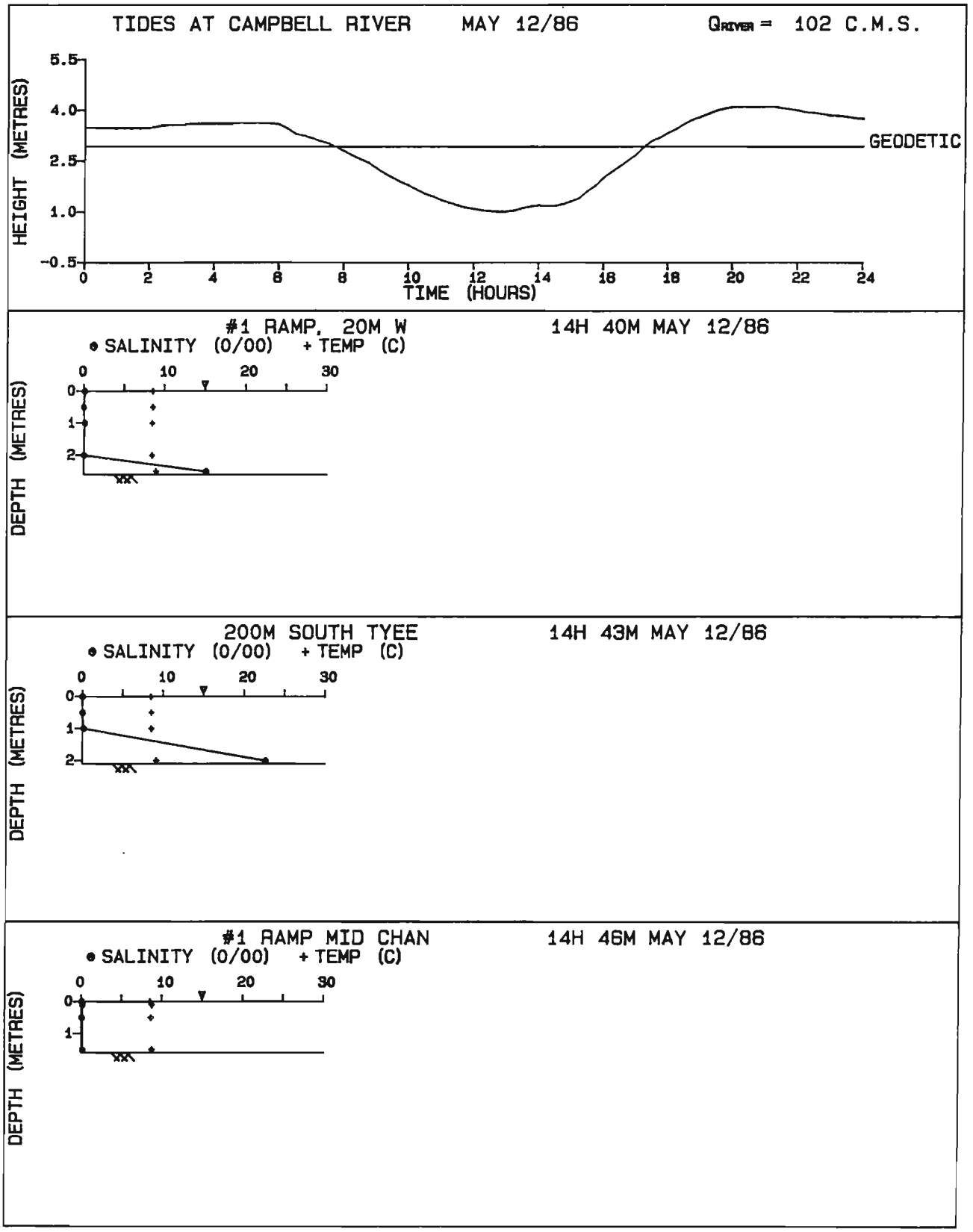
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



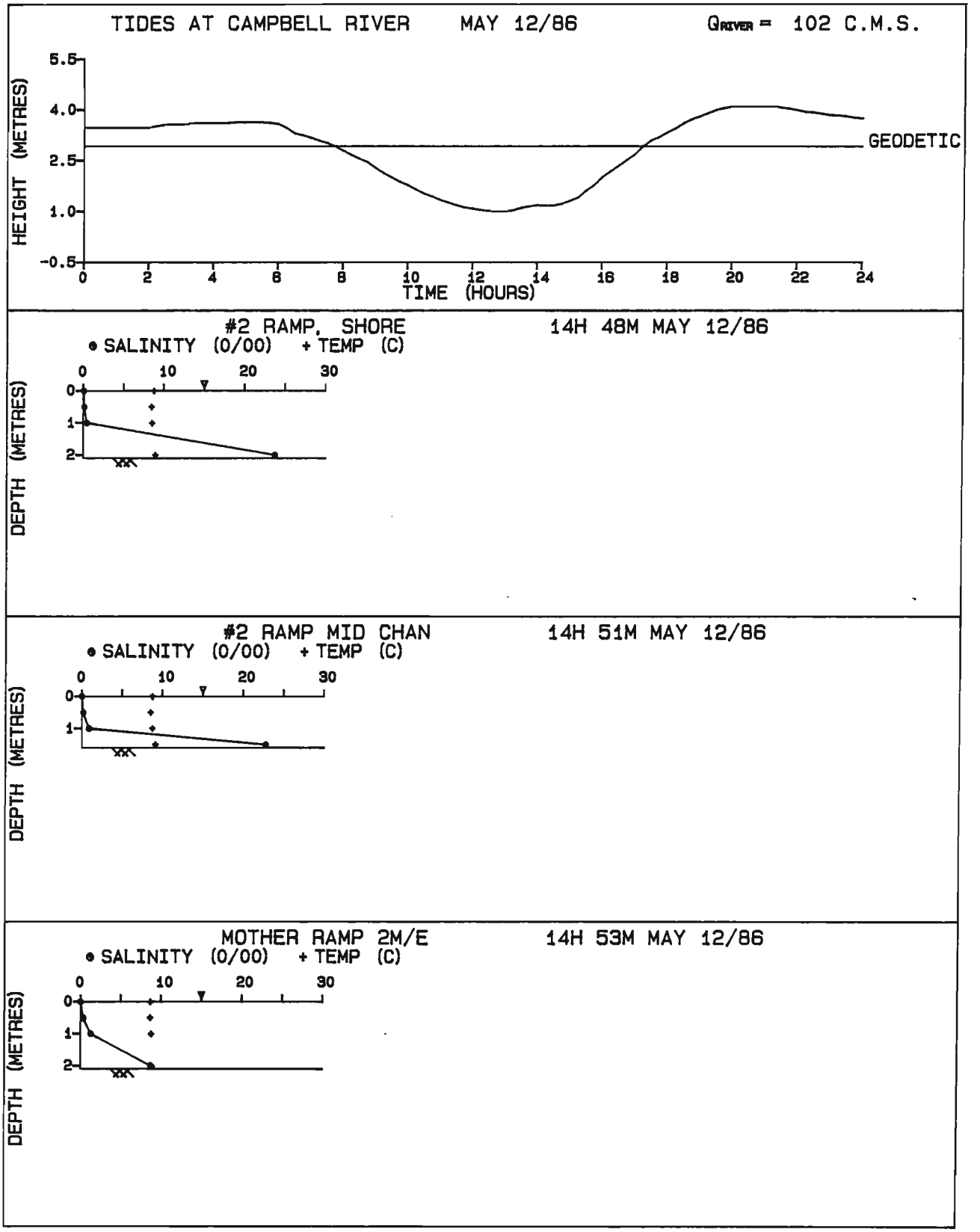
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



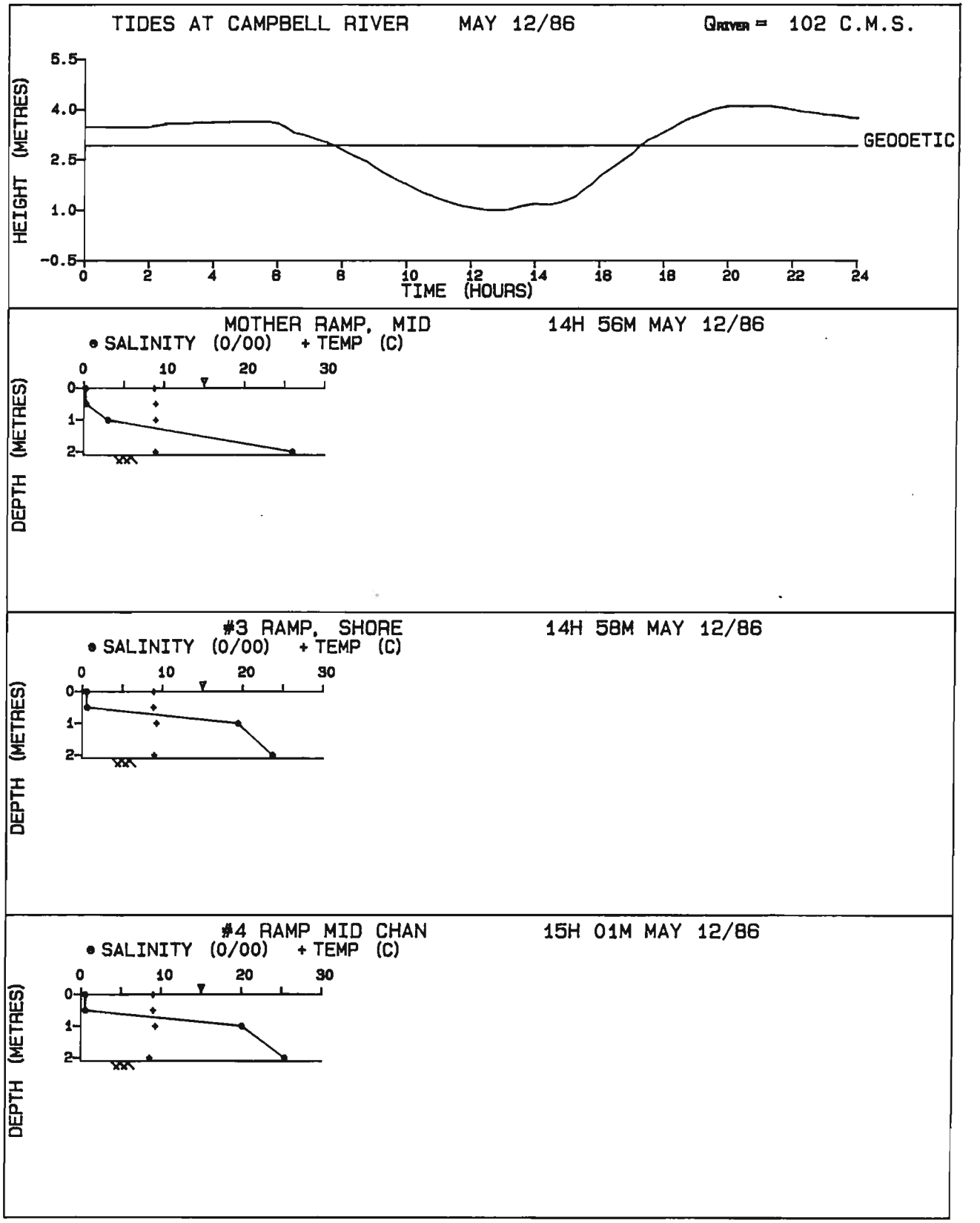
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



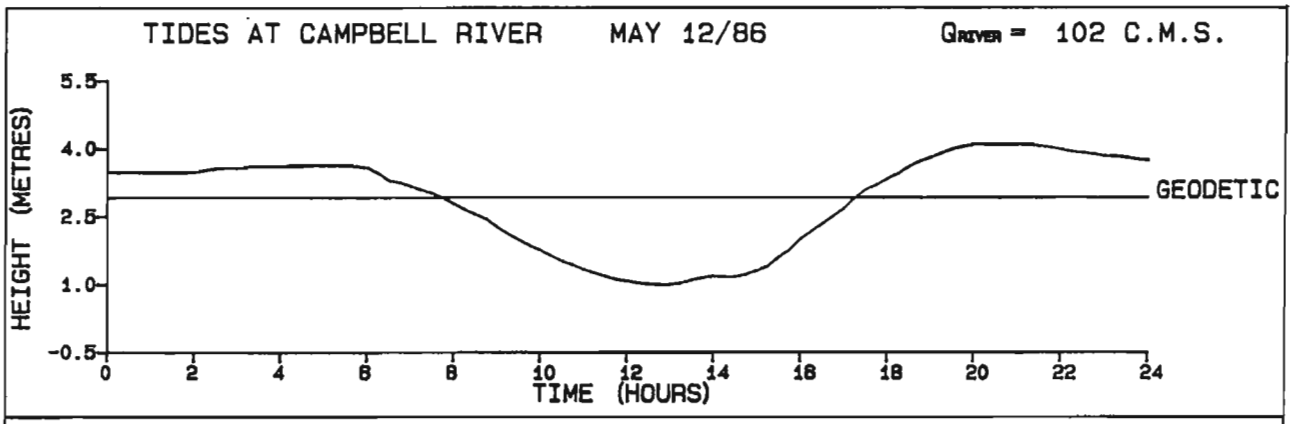
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

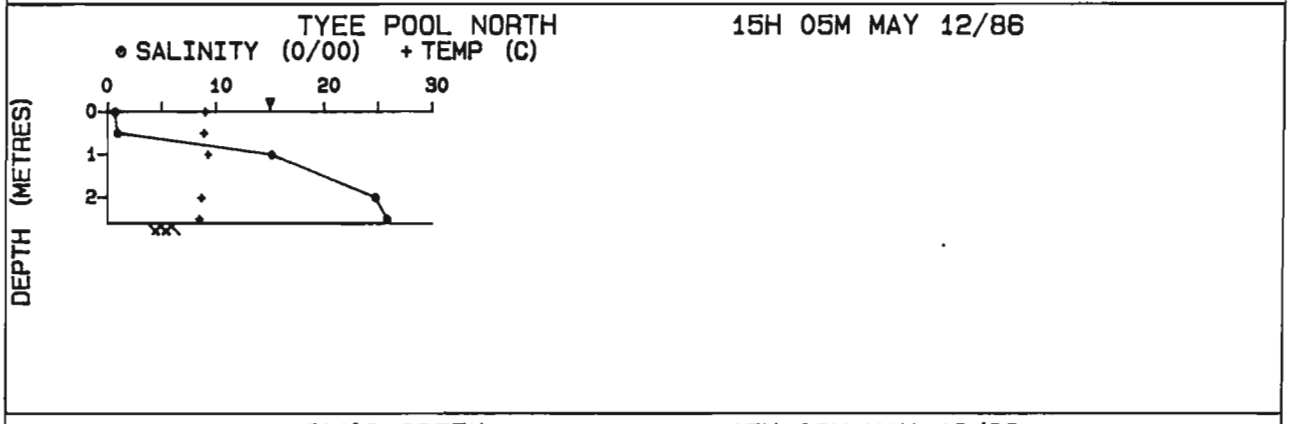


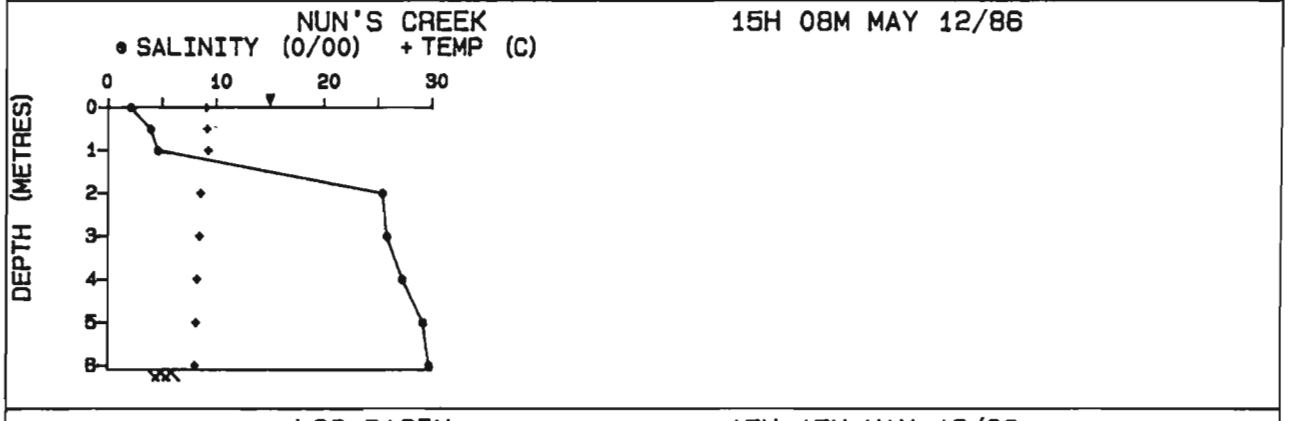
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

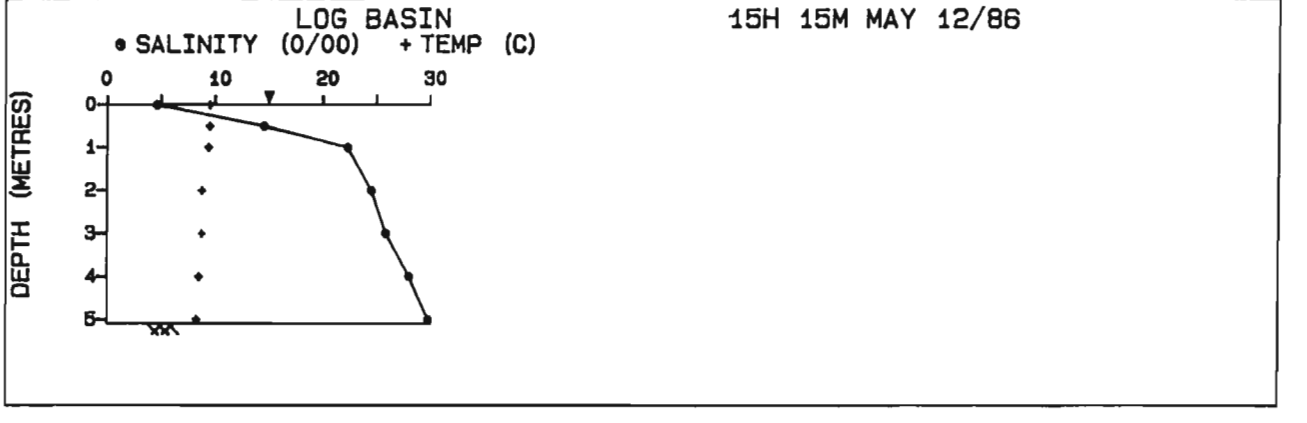


SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

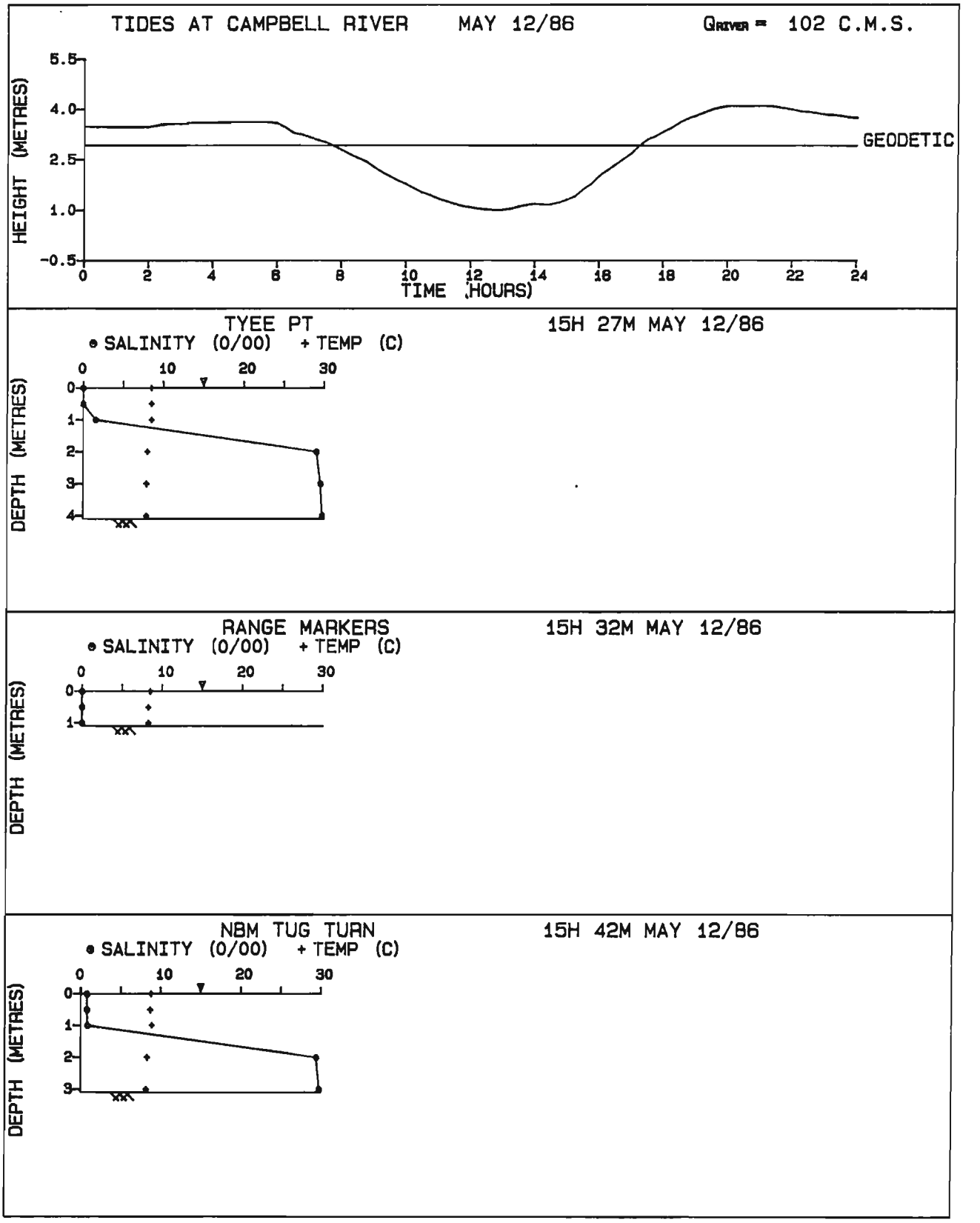




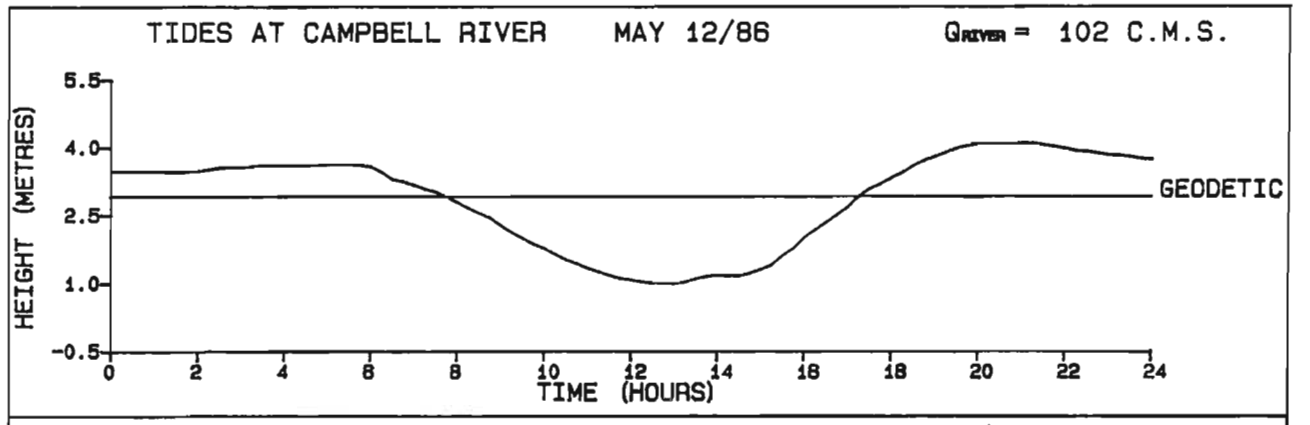


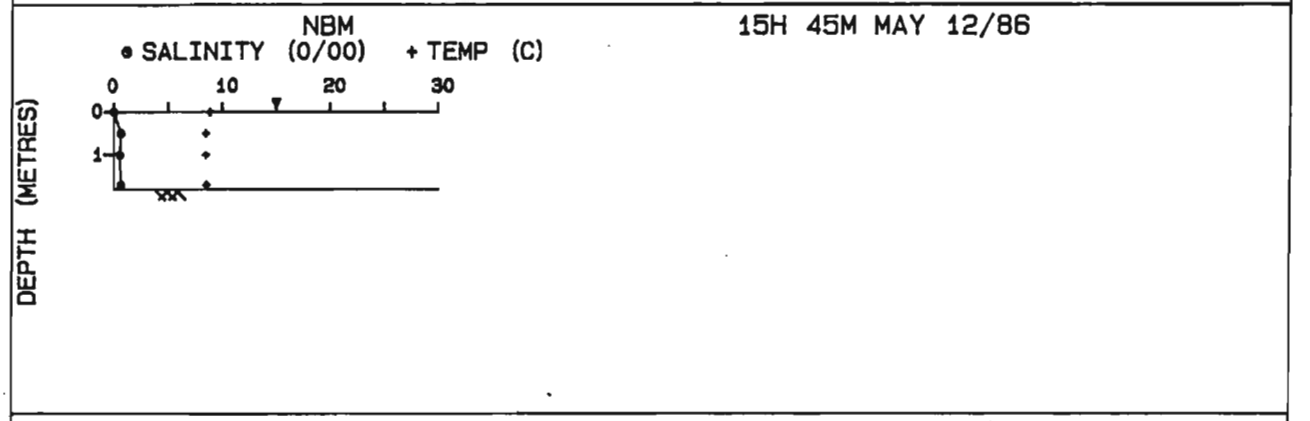


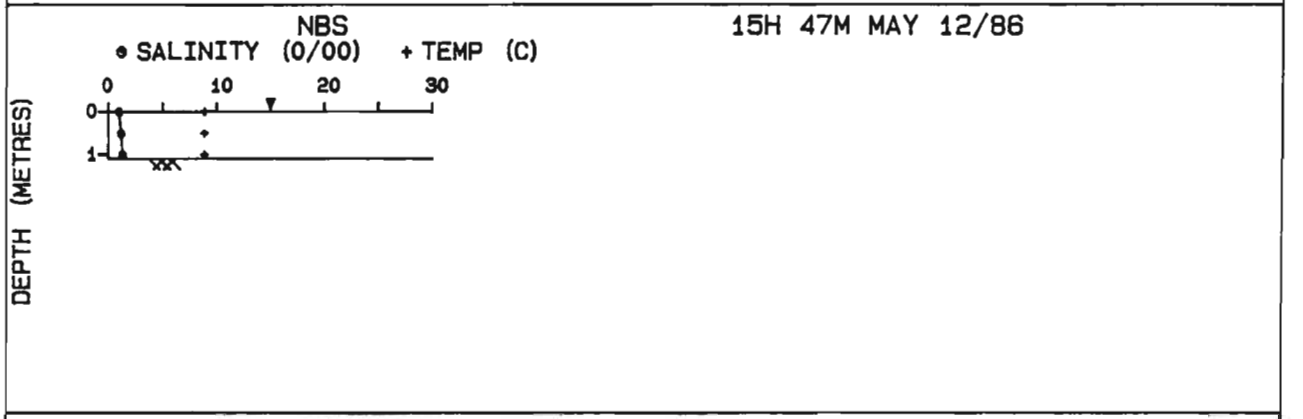
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

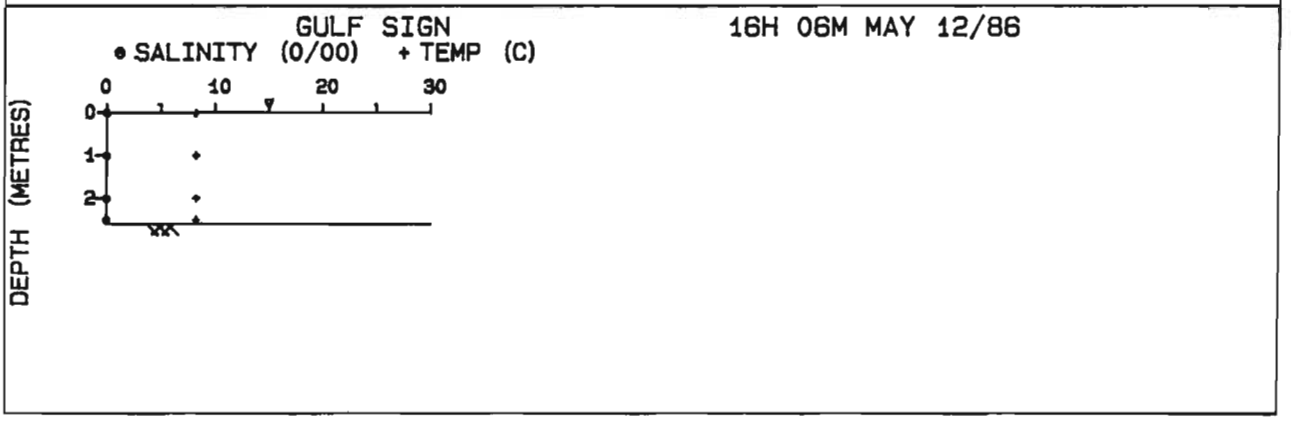


SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

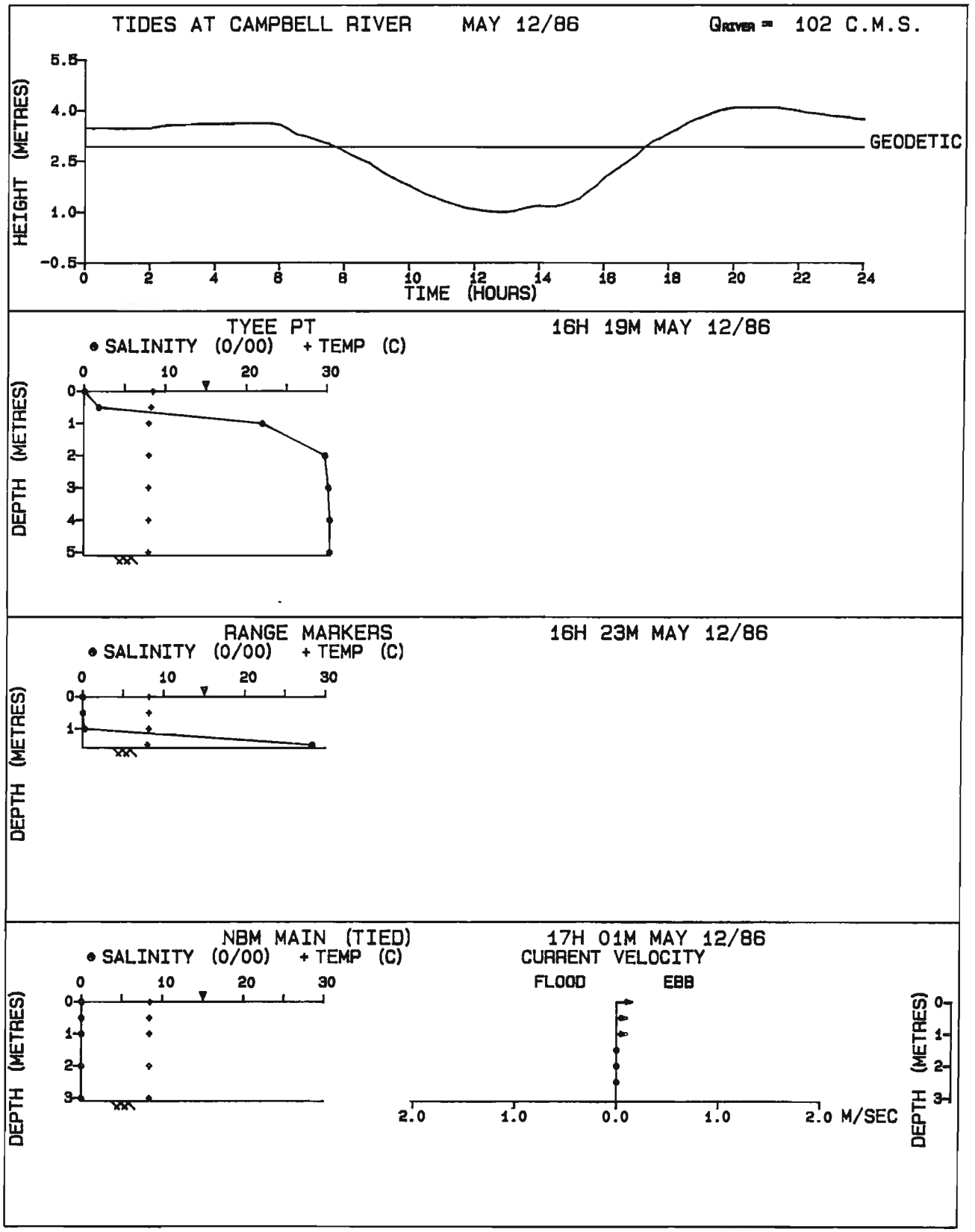




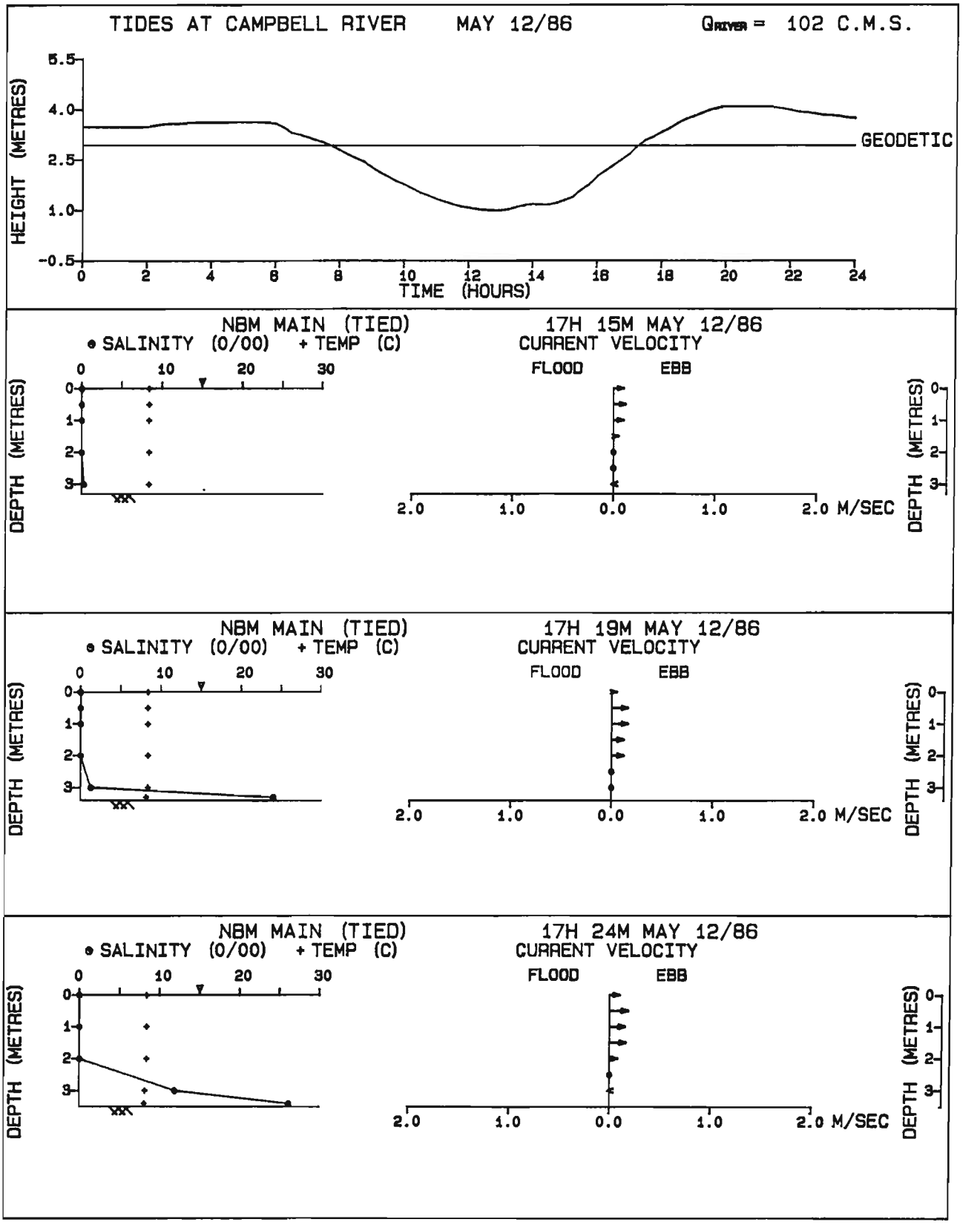




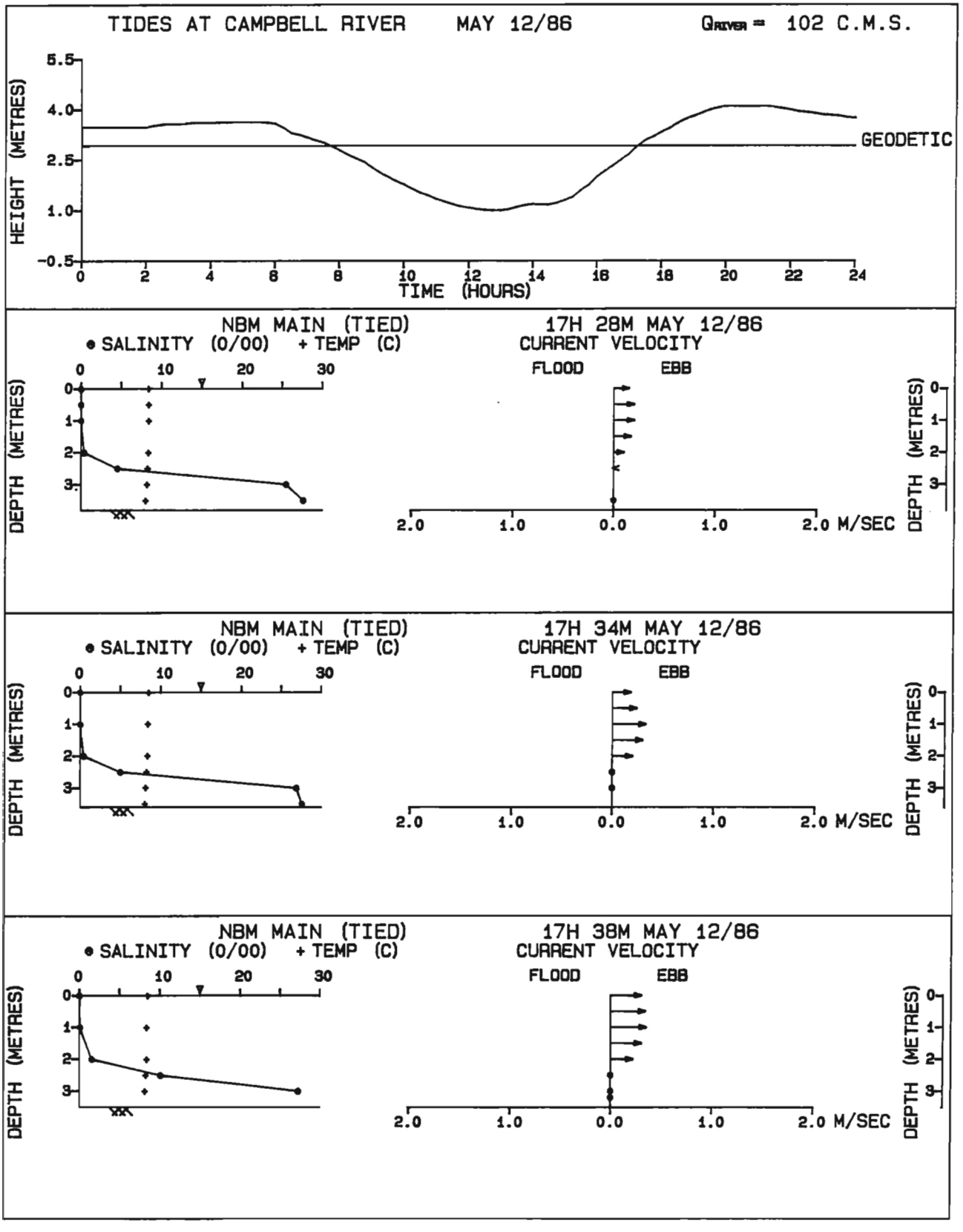
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



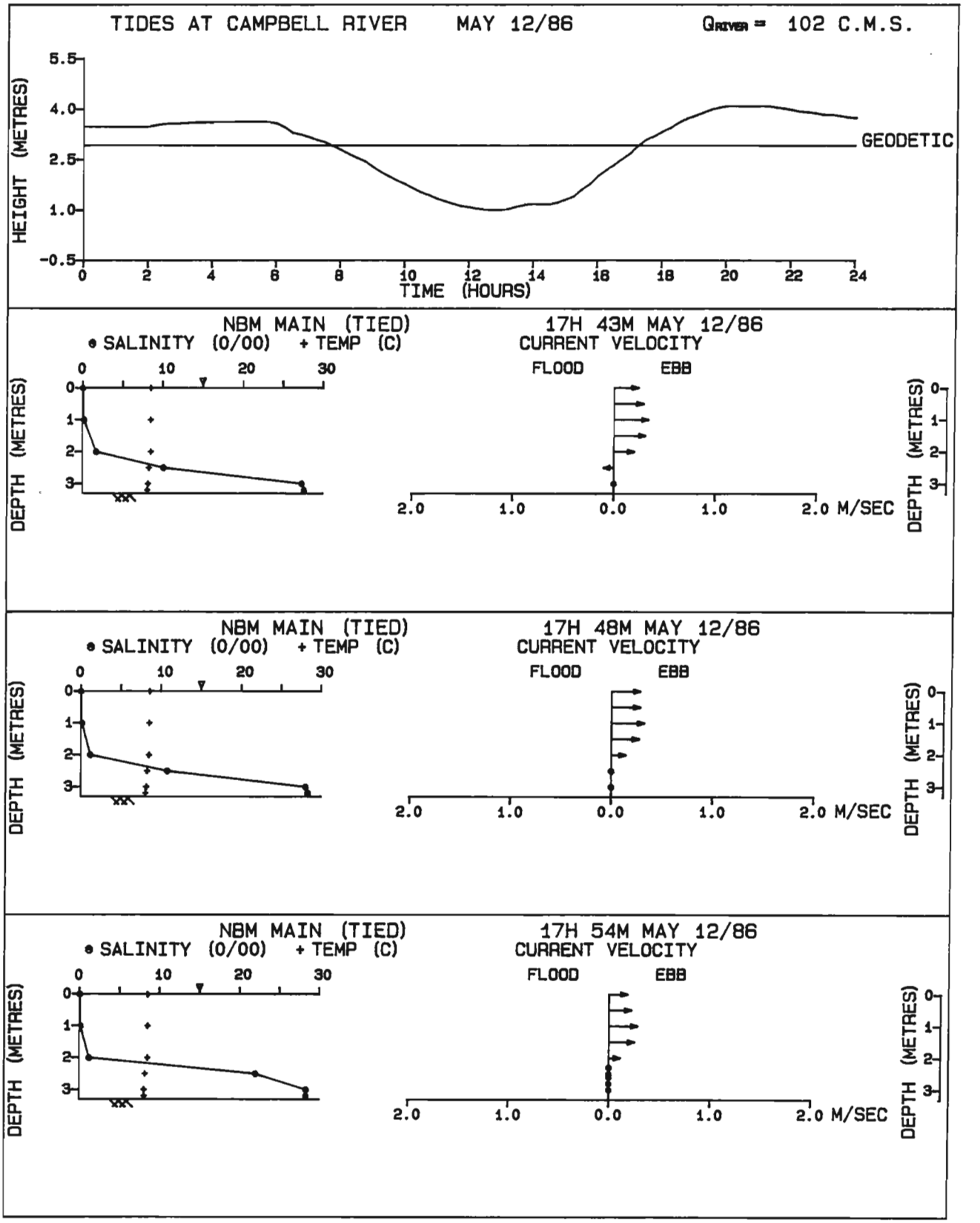
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



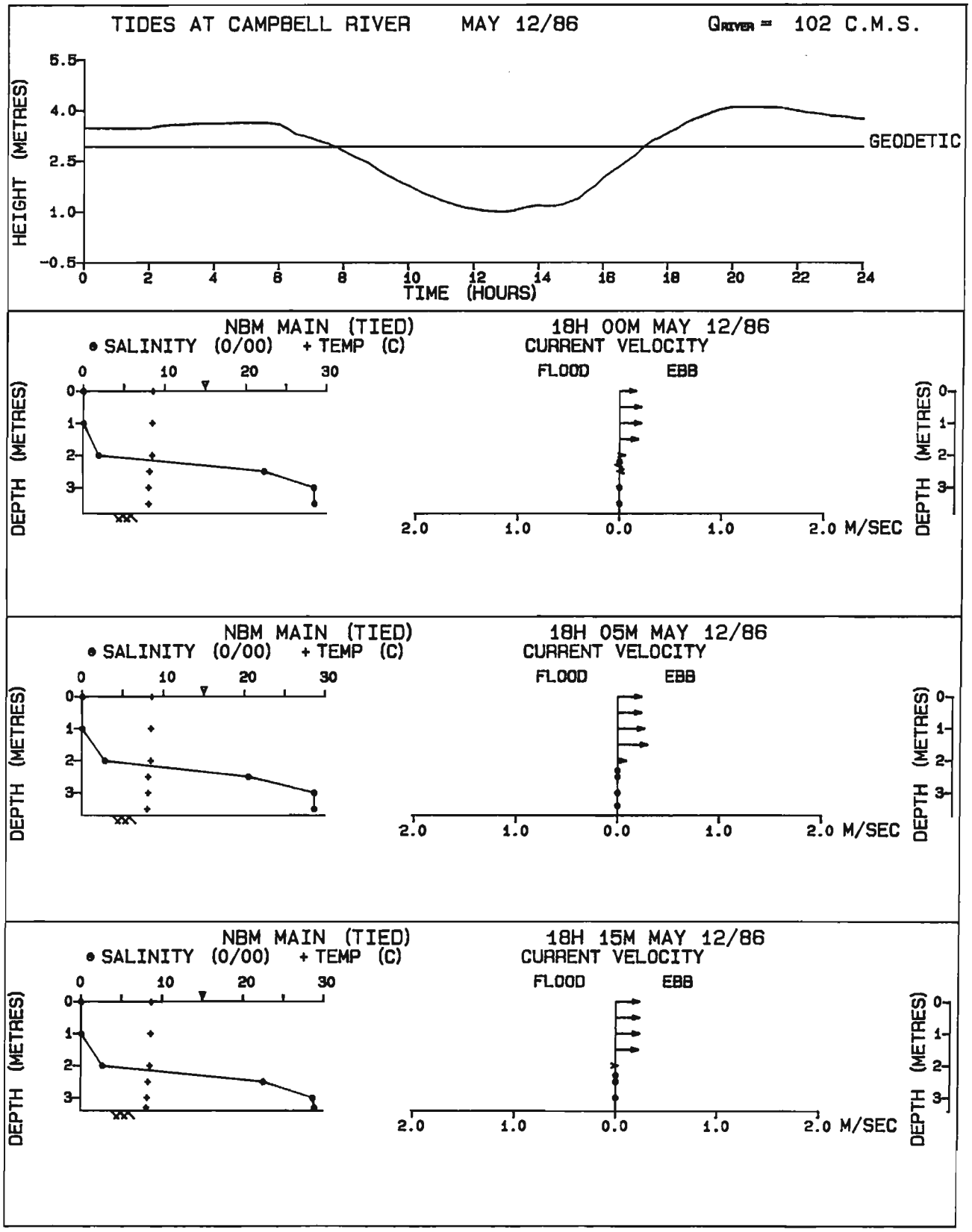
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



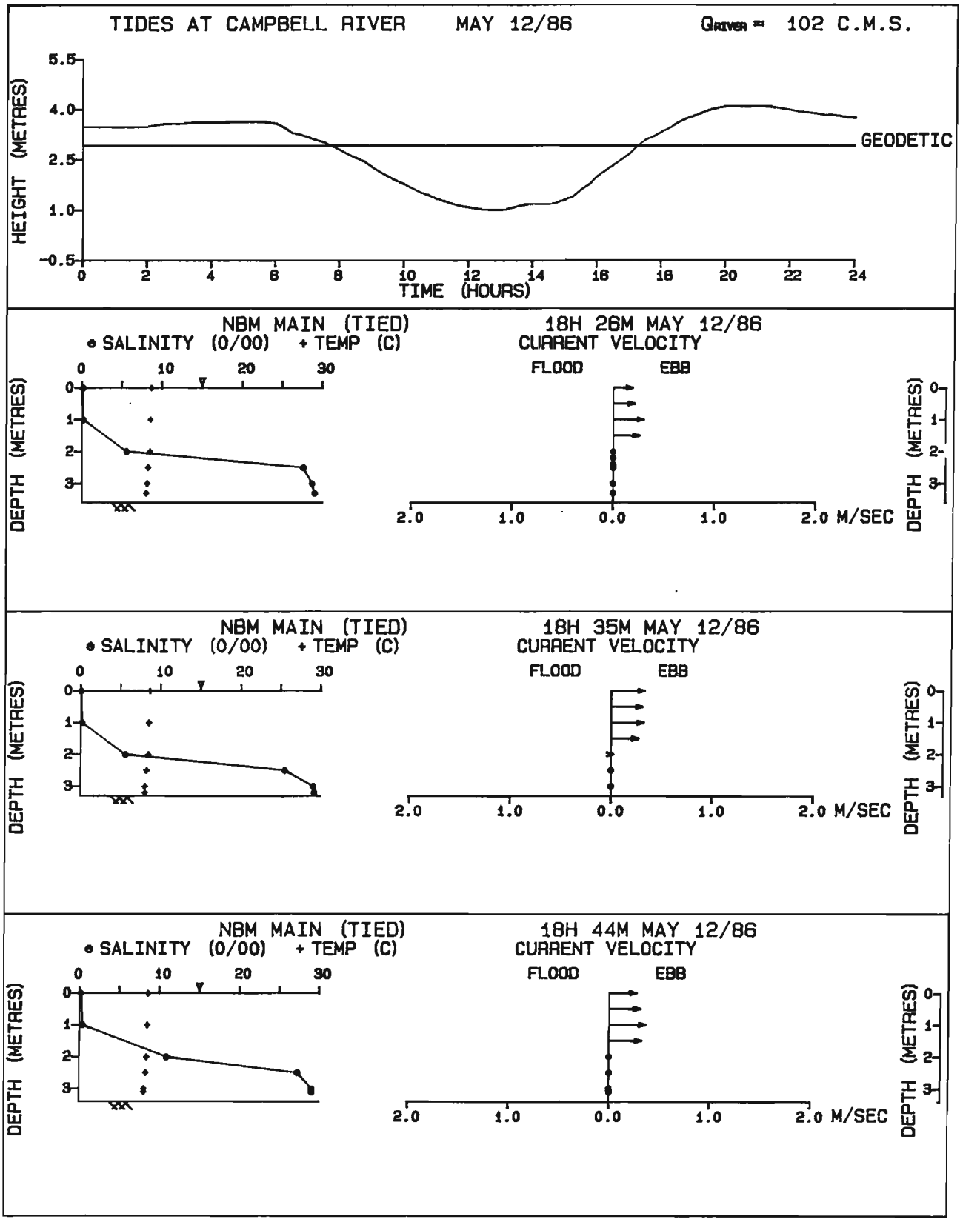
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



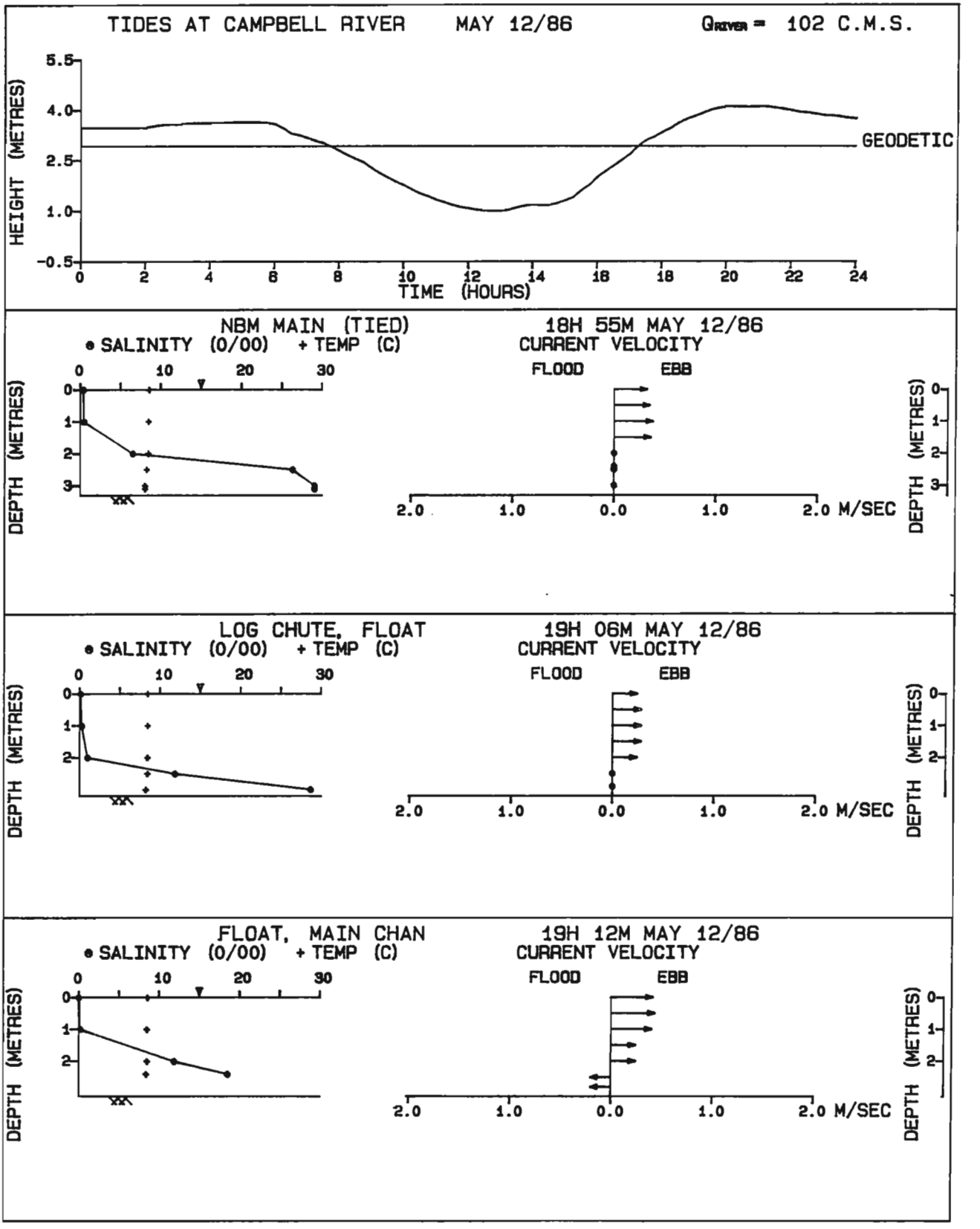
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



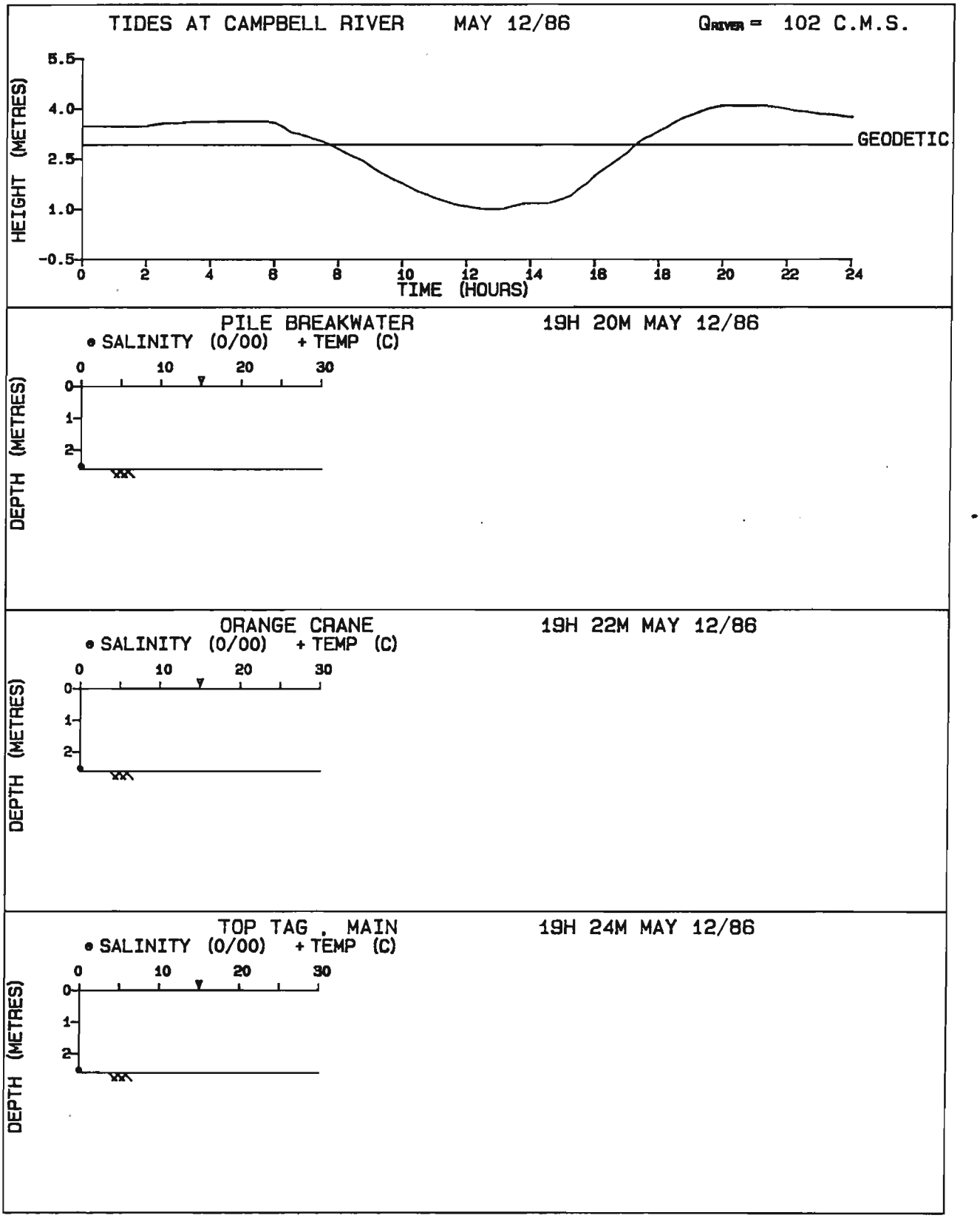
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



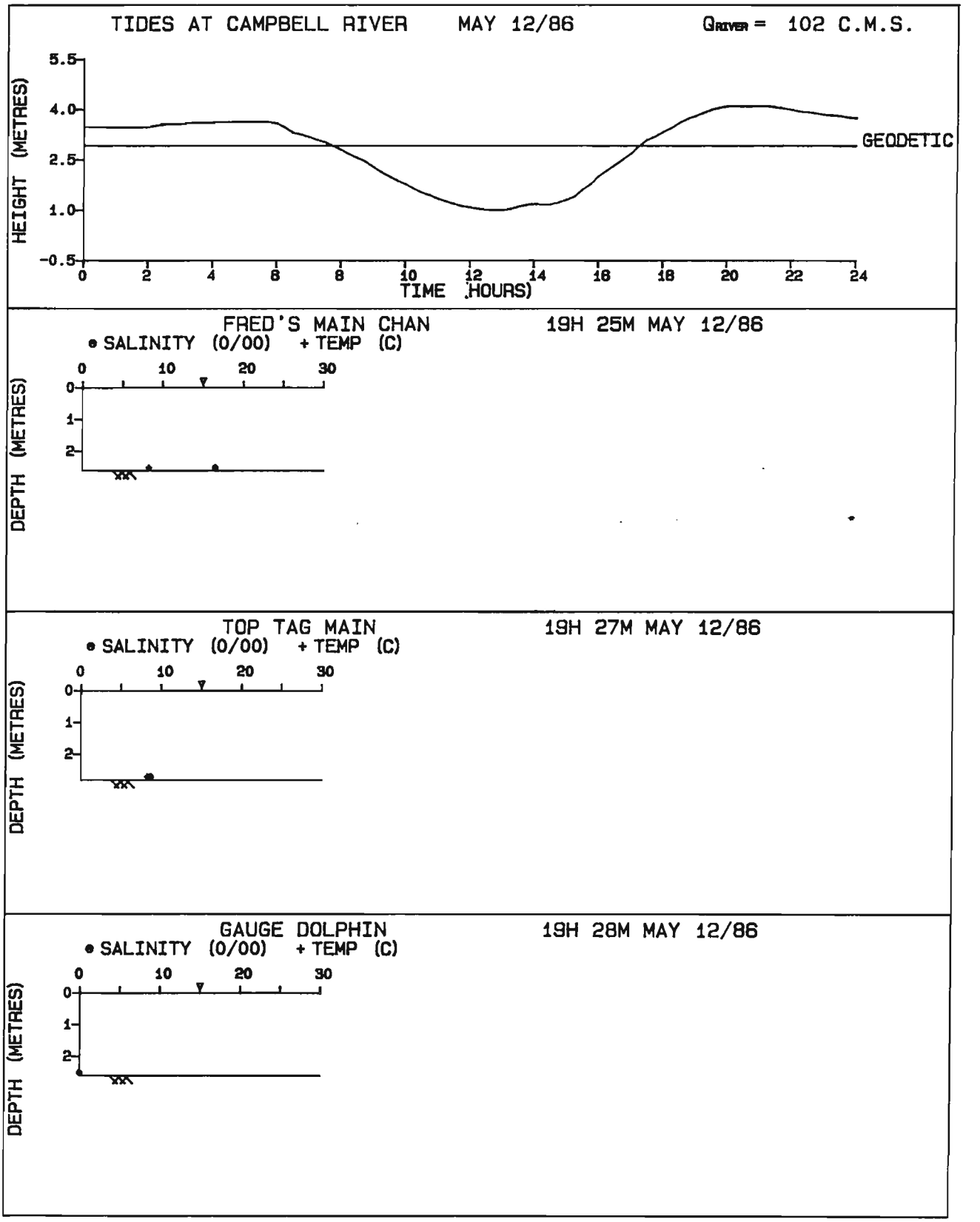
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



MAY 13/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
ISL 3 CH (B4)	07H 24M	.0	2.00	8.5	.45	E
		.5	2.51	8.5	.45	E
		1.0	14.20	8.5	.38	E
		1.5	27.65	8.1	.10	E
		2.0			.06	E
ISL 3 CH (B3)	07H 26M	.0	3.90	8.5	.00	
		.5	3.78	8.5	.08	E
		1.0	6.23	8.5	.10	E
		1.5	14.73	8.3		
		2.0	28.73	8.2	.00	
		2.3	29.38	8.0		
NATURAL ISL CH	07H 30M	.0	1.39	8.5	.60	E
		.5	3.14	8.5	.60	E
		1.0	3.43	8.5	.55	E
		1.5			.50	E
		2.0	28.73	8.2		
KNOLL HILL STN	07H 39M	.0	3.37	8.5	.00	
		.5	3.43	8.5	.60	E
		1.0	4.01	8.5	.50	E
		1.3	6.60	8.5	.45	E
ISL 1 CH (B5)	07H 42M	.0	4.01	8.5	.25	E
		.5	4.31	8.5	.25	E
		1.0	6.85	8.5	.15	E
		1.5			.05	E
ISL 3 CH (B4A)	07H 48M	.0	1.56	8.5	.65	E
		.5	2.11	8.6	.60	E
		1.0	6.23	8.6	.45	E
		1.5	10.62	8.4	.20	E
		2.0	15.53	8.4	.10	E
FISH STN WHARF	07H 52M	.0	.10	8.5	.70	E
		.5	.44	8.5	.70	E
		1.0	2.68	8.5	.65	E
		2.0	26.94	8.5	.20	E
		3.0	29.45	8.5	.10	E
		4.0	29.45	8.5	.10	E
#4 RAMP MID CH	08H 10M	.0	2.91	8.3	.30	E
		.5	2.97	8.4	.35	E
		1.0	4.60	8.5	.35	E
		1.5	16.13	8.4	.30	E
		2.0	26.08	8.4	.30	E
		3.0	28.73	8.3	.15	E
		3.5	29.02	8.3	.10	E

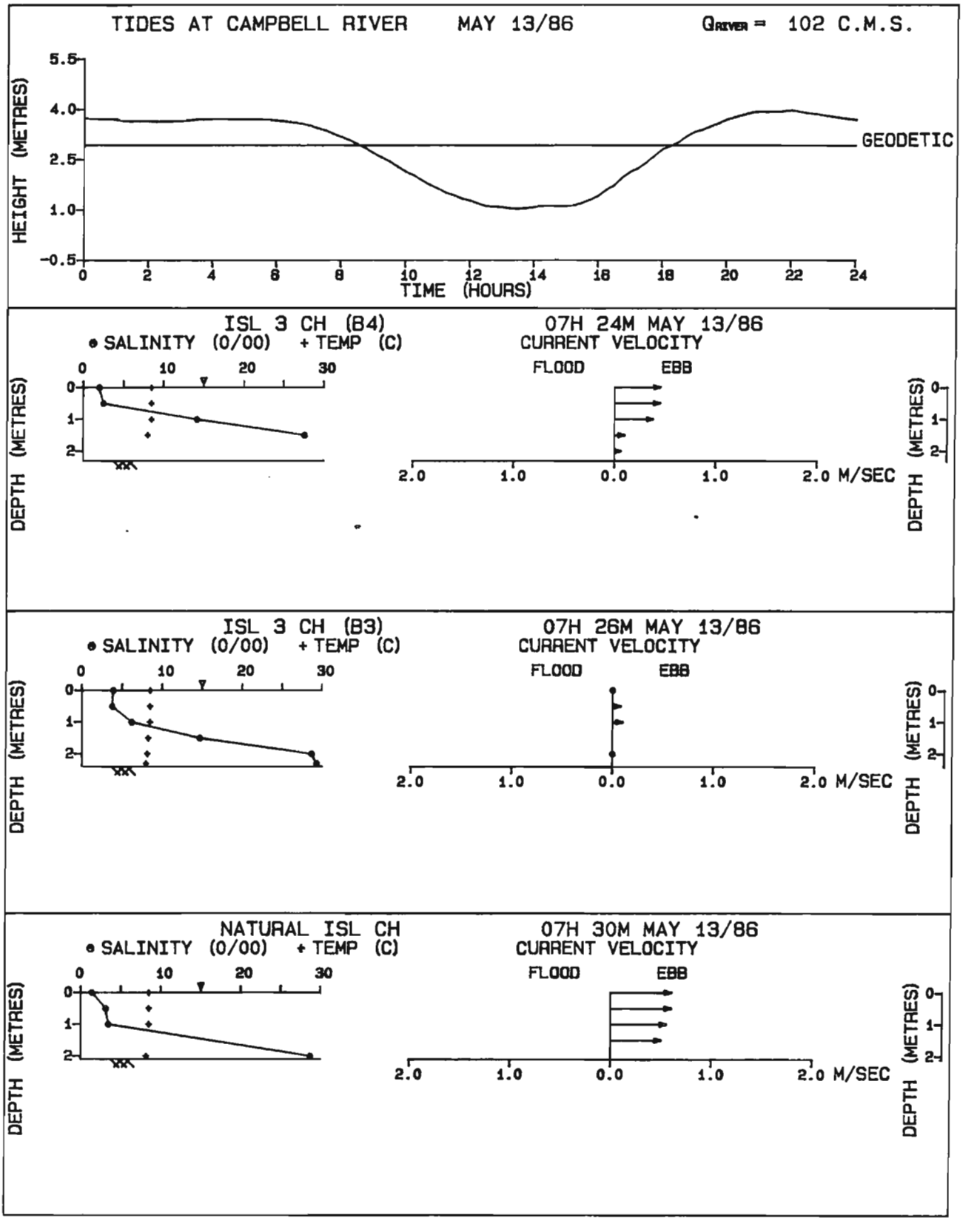
MAY 13/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
MOTHER RAMP, MID	08H 18M	.0	3.90	8.5	.20	E
		.5	4.25	8.5	.25	E
		1.0	6.23	8.6	.20	E
		2.0	26.94	8.5	.10	E
		3.0	28.51	8.4	.10	E
		3.5	29.09	8.3		
#1 RAMP MID CH	08H 29M	.0	3.14	8.7		
		.5	3.54	8.7		
		1.0	4.31	8.6		
		2.0	24.24	8.6		
		3.0	28.51	8.1		
#1 RAMP MID CH	08H 44M	.0			.10	E
		.5			.06	E
		1.0			.20	E
		2.0			.20	E
		3.0			.08	E
#2 RAMP MID CH	08H 46M	.0	3.43	8.5	.15	E
		.5	4.13	8.6	.20	E
		1.0	8.21	8.6	.22	E
		2.0	23.75	8.4	.30	E
		3.0	28.01	8.3	.08	E
TYEE PT 100M W	08H 51M	.0	2.85	8.7	.25	E
		.5	3.25	8.7	.25	E
		1.0	4.72	8.7	.25	E
		2.0	21.31	8.5	.25	E
		3.0	28.22	8.2	.20	E
RANGE MARKERS	08H 59M	.0	1.39	8.7	.25	E
		.5	1.67	8.6	.35	E
		1.0	2.85	8.6	.25	E
ISL 3 CH (B4A)	09H 05M	.0	.60	8.8	.40	E
		.5	.70	8.8	.40	E
		1.0	1.45	8.7	.35	E
ISL 3 CH (B4)	09H 08M	.0	1.39	8.9	.40	E
		.5	1.45	8.9	.40	E
		1.0	1.45	8.9	.35	E
ISL 3 CH (B3)	09H 12M	.0	1.56	8.8	.30	E
		.5	2.51	8.8	.35	E
		1.0	2.68	8.7	.30	E
NATURAL ISL CH	09H 15M	.0	1.45	8.8	.10	E
		.5	1.45	8.8	.20	E

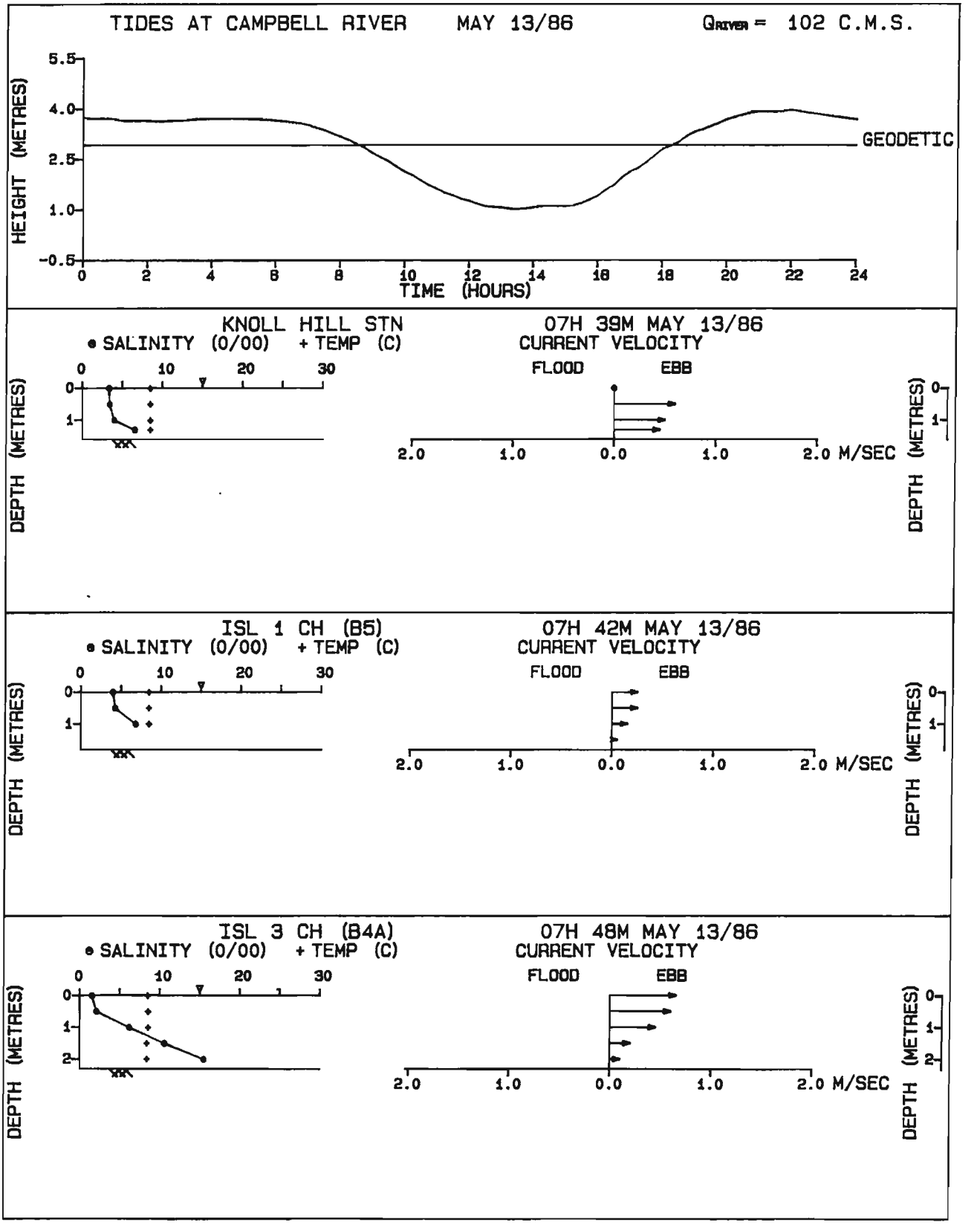
MAY 13/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
KNOLL ISL CH	09H 17M	.0	1.45	8.8	.10	E
		.5	1.45	8.9	.10	E
MOTHER RAMP MID	09H 44M	.0	1.83	8.8	.20	E
		.5	5.32	8.9	.15	E
		1.0	7.16	8.8	.20	E
		2.0	24.10	8.4	.20	E
		2.5	26.65	8.3		
FISH STN WHARF	09H 53M	.0	.14	9.0	.70	E
		.5	.19	9.0	.85	E
		1.0	.49	8.9	.85	E
		2.0	1.12	8.8	.75	E
		3.0	15.20	8.5	.60	E
GULF SIGN	09H 59M	2.5	19.93			

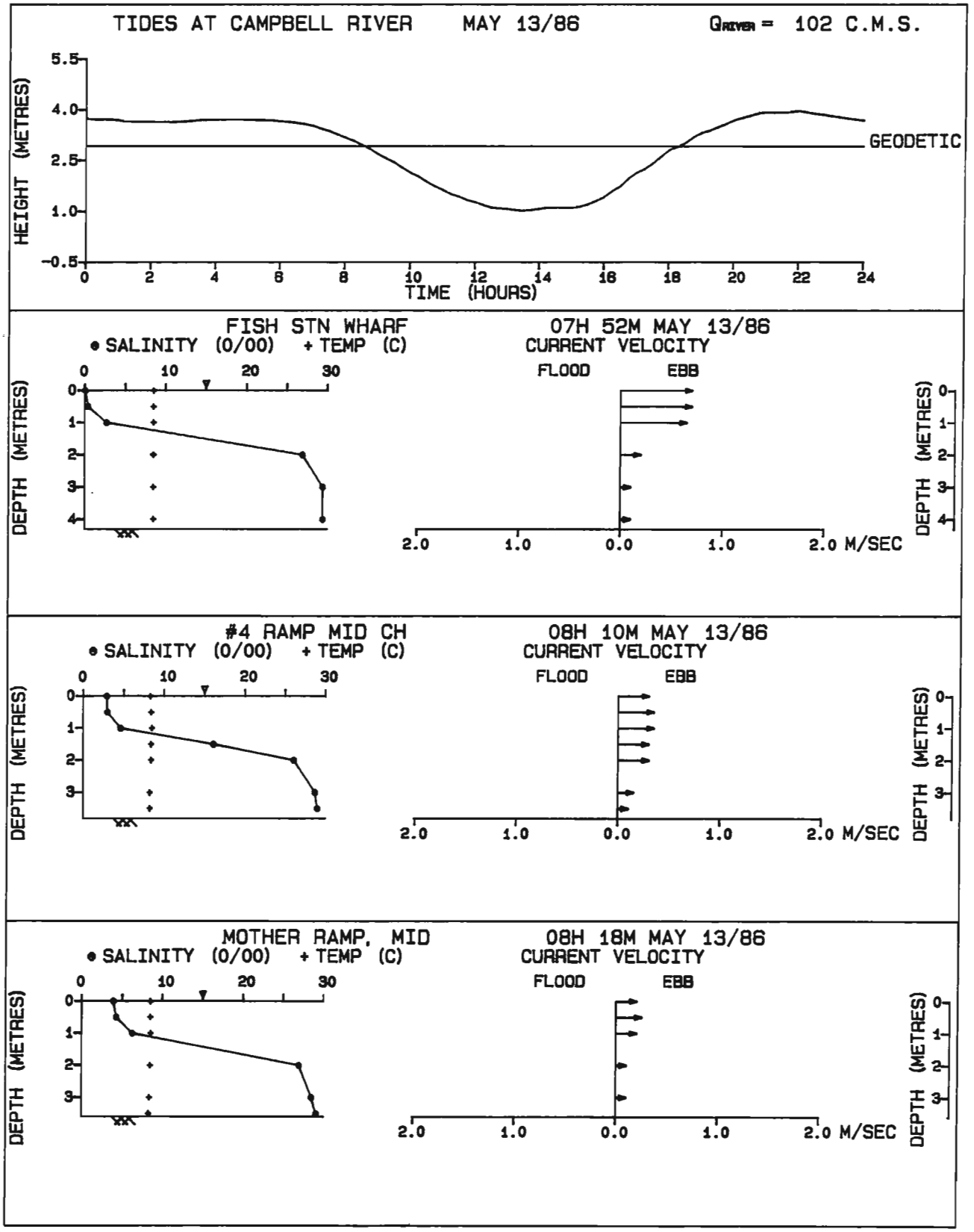
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



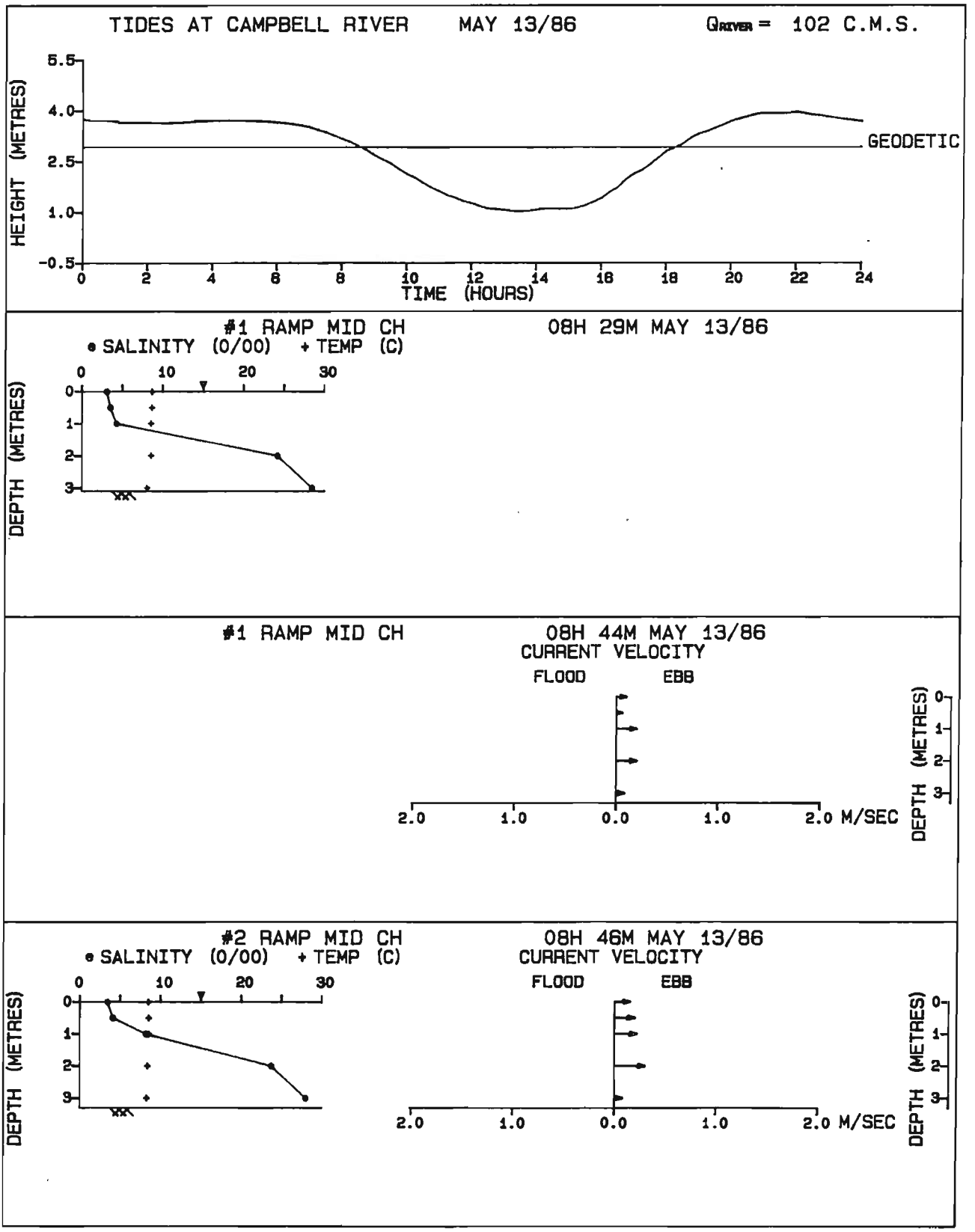
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



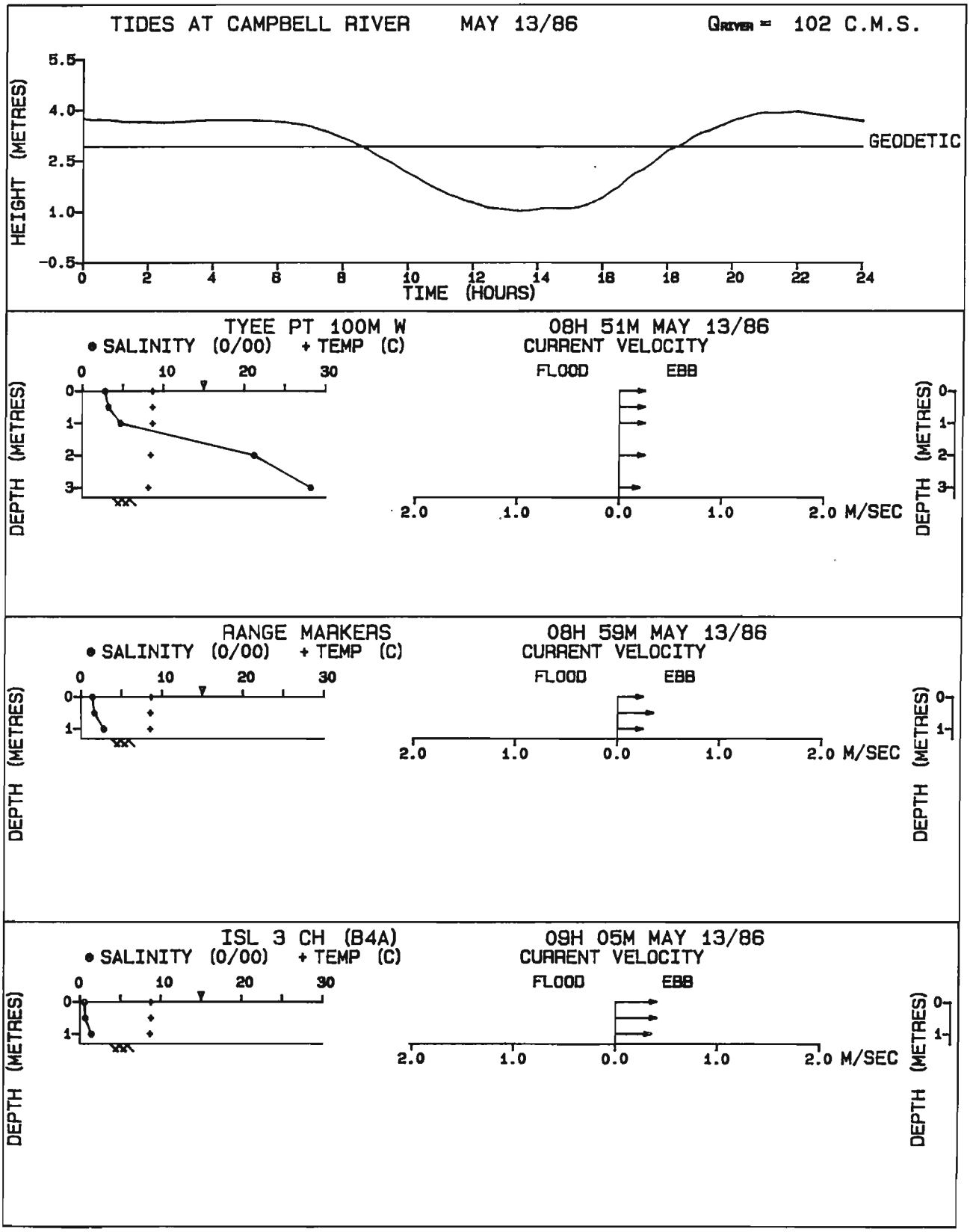
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



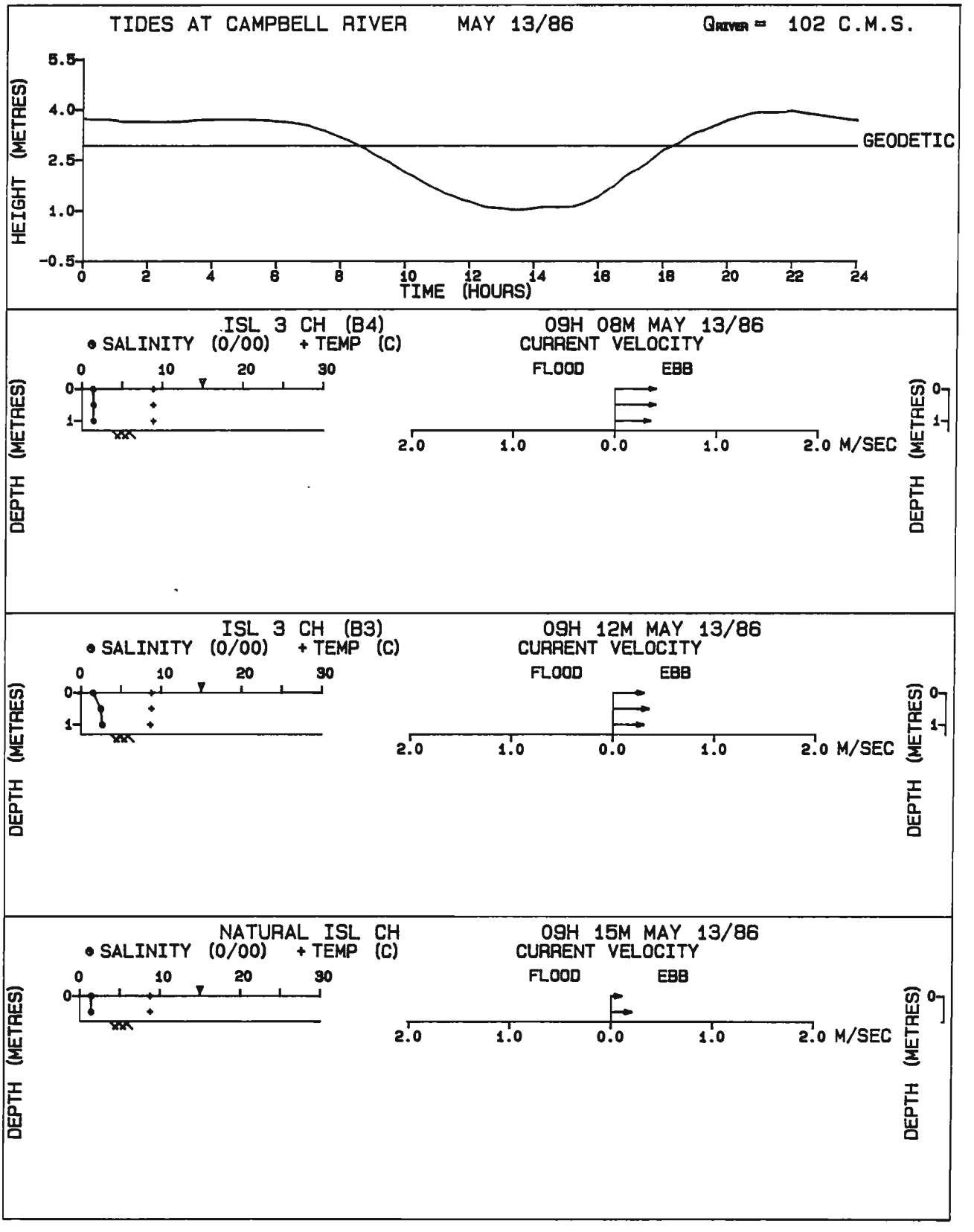
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



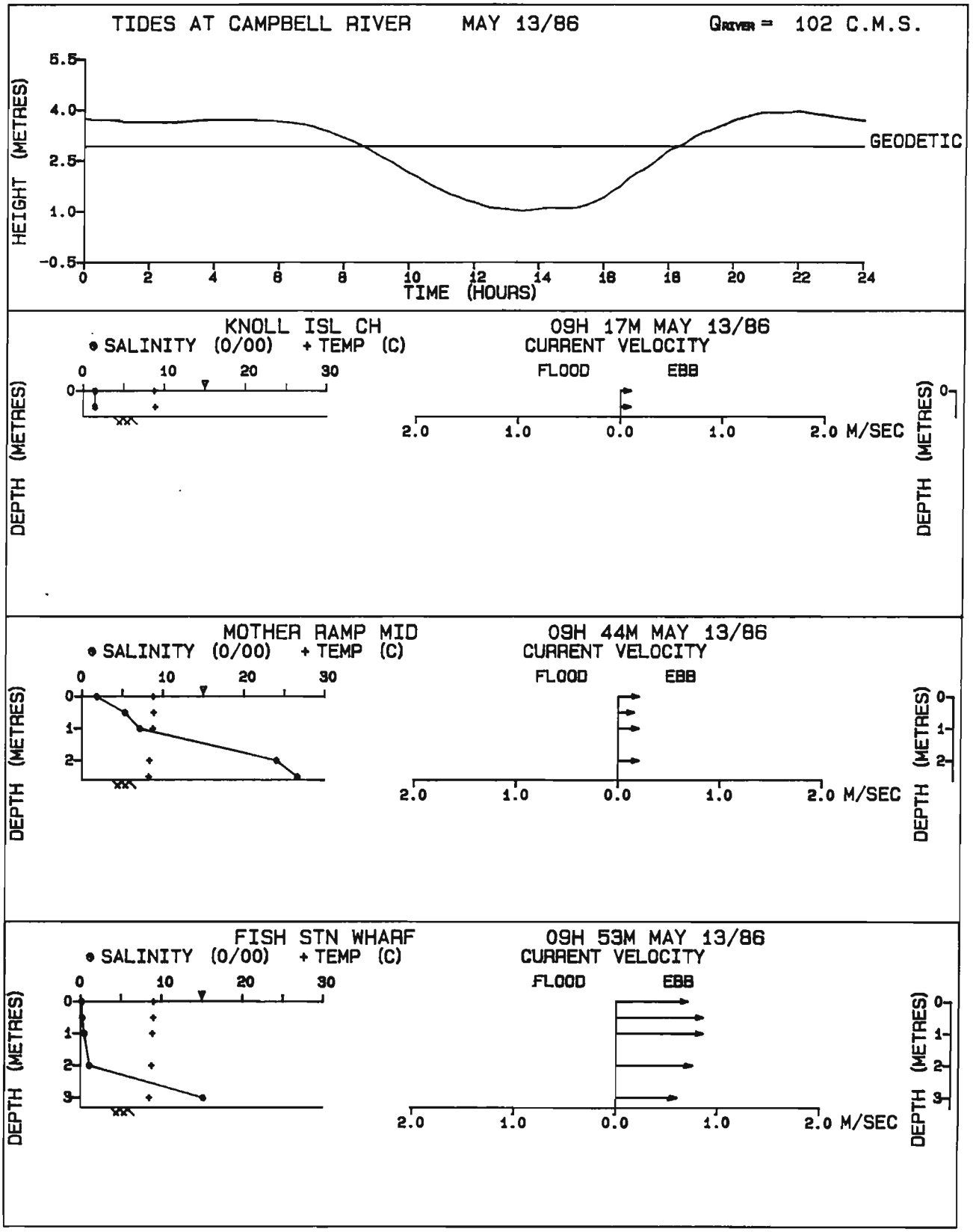
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



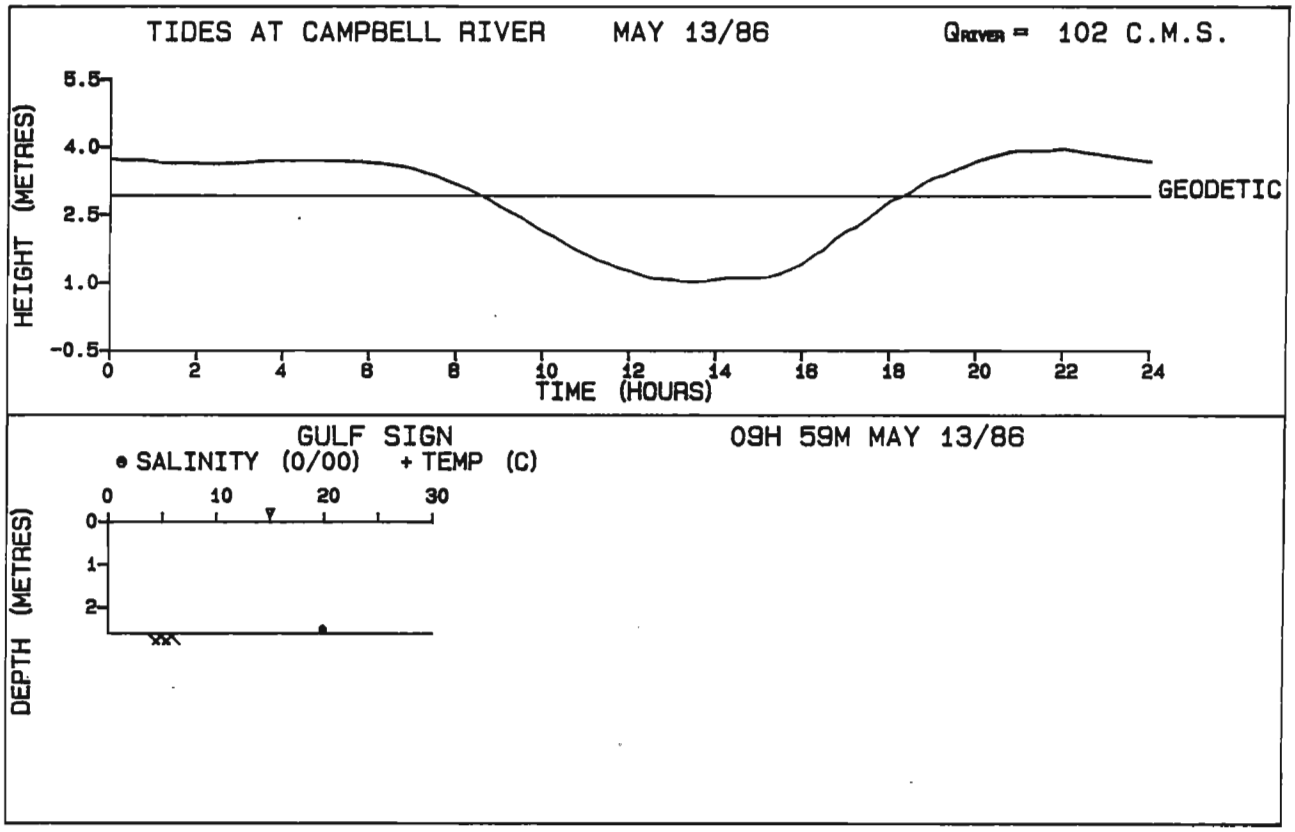
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



MAY 26/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
FISH STN WHARF	08H 55M	.0	.29	9.8	1.20	E
		.5	.34	9.5	1.10	E
		1.0	.34	9.5	1.15	E
		2.0	.34	9.4	1.00	E
		3.0	.44	9.4	.85	E
ISL 3 CHAN (B4)	09H 08M	.0	.00	9.7	.60	E
		.5	.00	9.5	.60	E
		1.0	.00	9.5	.55	E
		1.2	.00	9.5		
ISL 3 CHAN (B3)	09H 13M	.0	.00	9.4	.65	E
		.5	.00	9.4	.62	E
		1.0	.00	9.4	.50	E
NUN'S CREEK	09H 31M	.0	1.67	9.8		
		.5	2.57	9.7		
		1.0	5.93	9.7		
		2.0	21.66	9.0		
		3.0	28.58	8.6		
		4.0	29.09	8.4		
		5.0	29.45	8.4		
		6.0	29.59	8.4		
		7.0	29.81	8.4		
		8.0	29.81	8.4		
LOG BASIN	09H 39M	.0	2.40	9.8		
		.5	2.68	9.8		
		1.0	7.16	9.7		
		2.0	23.96	8.8		
		3.0	28.80	8.5		
		4.0	29.23	8.5		
		5.0	29.59	8.4		
NUNS ISLAND	09H 44M	.0	.05	9.7	.16	E
		.5	1.67	9.6	.20	E
		1.0	2.11	9.6	.30	E
		2.0	26.22	8.7	.05	E
MOTHER RAMP	09H 52M	.0	1.39	9.9	.40	E
		.5	1.95	9.8	.35	E
		1.0	3.25	9.7	.30	E
		1.5			.10	E
		2.0	23.40	9.0		
#2 RAMP MID CHAN	09H 59M	.0	1.78	9.9	.40	E
		.5	2.00	9.8	.35	E
		1.0	2.57	9.8	.35	E
		2.0	19.93	8.9	.20	E

MAY 26/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
#2 RAMP MID CHAN	09H 59M	2.5	27.65	8.6		
FISH STN WHARF	10H 20M	.0			2.30	E
FLOAT, MAIN CHAN	10H 25M	.0			2.25	E
FLOAT, CHUTE	10H 27M	.0			2.50	E
PINK PEN, MARINA	10H 40M	.0	2.85	11.0		
		.5	4.19	9.9		
		1.0	4.90	9.8		
		2.0	29.09	8.6		
PINK PEN, MARINA	10H 42M	.0	3.31	10.2		
		.5	3.84	9.9		
		1.0	4.55	9.7		
		2.0	28.37	8.0		
MARINA, SHED G	10H 43M	.0	3.37	8.9		
		.5	3.78	8.8		
		1.0	4.31	9.6		
		1.5	5.57	9.5		
FISH STN WHARF	10H 48M	.0			2.20	E
ISL 3 CH (B4)	15H 27M	.0			2.00	E
ISL 3 CH (B3)	15H 30M	.0			1.50	E
LOG BASIN	15H 38M	.0	1.95	11.6		
		.5	3.20	10.7		
		1.0	3.72	10.4		
		2.0	5.08	10.2		
		3.0	11.59	10.2		
		4.0	26.51	8.8		
		5.0	29.30	8.5		
NUN'S CREEK	15H 42M	.0	2.62	10.2		
		.5	2.57	10.2		
		1.0	2.57	10.2		
		2.0	5.93	10.0		
		2.0	12.82	10.0		
		4.0	28.15	8.9		
		5.0	29.45	8.5		
NUN'S ISLAND	15H 47M	.0	4.13	9.9	.25	E
		.5	4.13	9.9		
		1.0	5.32	9.9		
		2.0	9.54	9.6		

MAY 26/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
MOTHER RAMP MID	15H 49M	.0	3.37	10.4	.02	E
		.5	3.43	10.4		
		1.0	4.31	10.3		
		1.5	5.02	10.2		
#2 RAMP MID CHAN	15H 58M	.0	1.83	10.3		
		.5	2.00	10.1		
		1.0	2.11	10.1		
		2.0	5.99	9.9		
#1 RAMP MID CHAN	16H 04M	.0	.00	9.9		
		.5	.00	9.7		
		1.0	.00	9.5		
		2.0	.00	9.5		
		3.0	.00	9.4		
		4.0	.00	9.4		
PLUME OFF TYEE P	16H 05M	.0	.10	9.6		
		.5	4.43	9.3		
		1.0	9.98	9.3		
300M N TYEE PT	16H 08M	.0	.00	10.0	.80	E
		.5	5.32	9.5	.75	E
		1.0	11.27	9.3	.25	E
		1.5			.35	F
		2.0	18.57	8.9	.40	F
TYEE PT	16H 14M	.0			1.10	E
		.5			1.00	E
		1.0			.90	E
		2.0			.90	E
RANGE MARKERS	16H 23M	2.0	.00			
TYEE PT	16H 30M	4.0	.00	9.3		
		5.0	11.91	9.0		
TYEE PT	16H 50M	.0	.00	9.5		
		1.0	.00	9.5		
		2.0	.00	9.5		
		3.0	9.98	9.3		
RANGE MARKERS	16H 56M	2.0	.00			
TYEE PT 20M/W	17H 06M	2.0	.00			
ISL 3 CH (B4)	19H 27M	.0	.00	9.4		
		1.0	.00	9.4		
		2.0	.19	9.4		

MAY 26/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
ISL 3 CH (B4)	19H 27M	3.0	15.73	9.2		
ISL 1 CH (B5)	19H 30M	.0	.00	9.4.		
		1.0	.00	9.4		
		2.0	.00	9.4		
ISL 1 CH EAST	19H 31M	.0	.00	9.4		
		1.0	.00	9.4		
		2.0	.00	9.4		
NUN'S ISLAND	19H 33M	.0	.00	9.5		
		1.0	.24	9.4		
		2.0	1.34	9.4		
		3.0	28.22	8.6		
		4.0	29.67	8.5		
		5.0	29.81	8.5		
NUN'S CREEK	19H 37M	.0	.00	9.9		
		1.0	.00	9.6		
		2.0	.75	9.6		
		3.0	3.54	10.5		
		4.0	7.16	9.5		
		5.0	20.14	9.5		
		6.0	24.10	8.9		
		7.0	27.65	8.6		
		8.0	27.79	8.5		
		9.0	28.51	8.5		
		10.0	29.16	8.4		
		11.0	29.59	8.4		
		12.0	29.74	8.4		
LOG BASIN	19H 42M	.0	.00	9.7		
		1.0	1.02	9.8		
		2.0	2.34	10.2		
		3.0	4.31	10.5		
		4.0	10.37	10.5		
		5.0	17.08	9.6		
		6.0	26.94	8.8		
		7.0	28.73	8.6		
		7.5	29.09	8.5		
GRASS	19H 47M	.0	.10	9.6		
		1.0	.22	9.6		
		2.0	1.44	10.6		
		3.0	2.06	10.5		
ISL 1 CH (TIED)	19H 51M	.0			.00	
		1.0			.00	
		2.0			.20	E

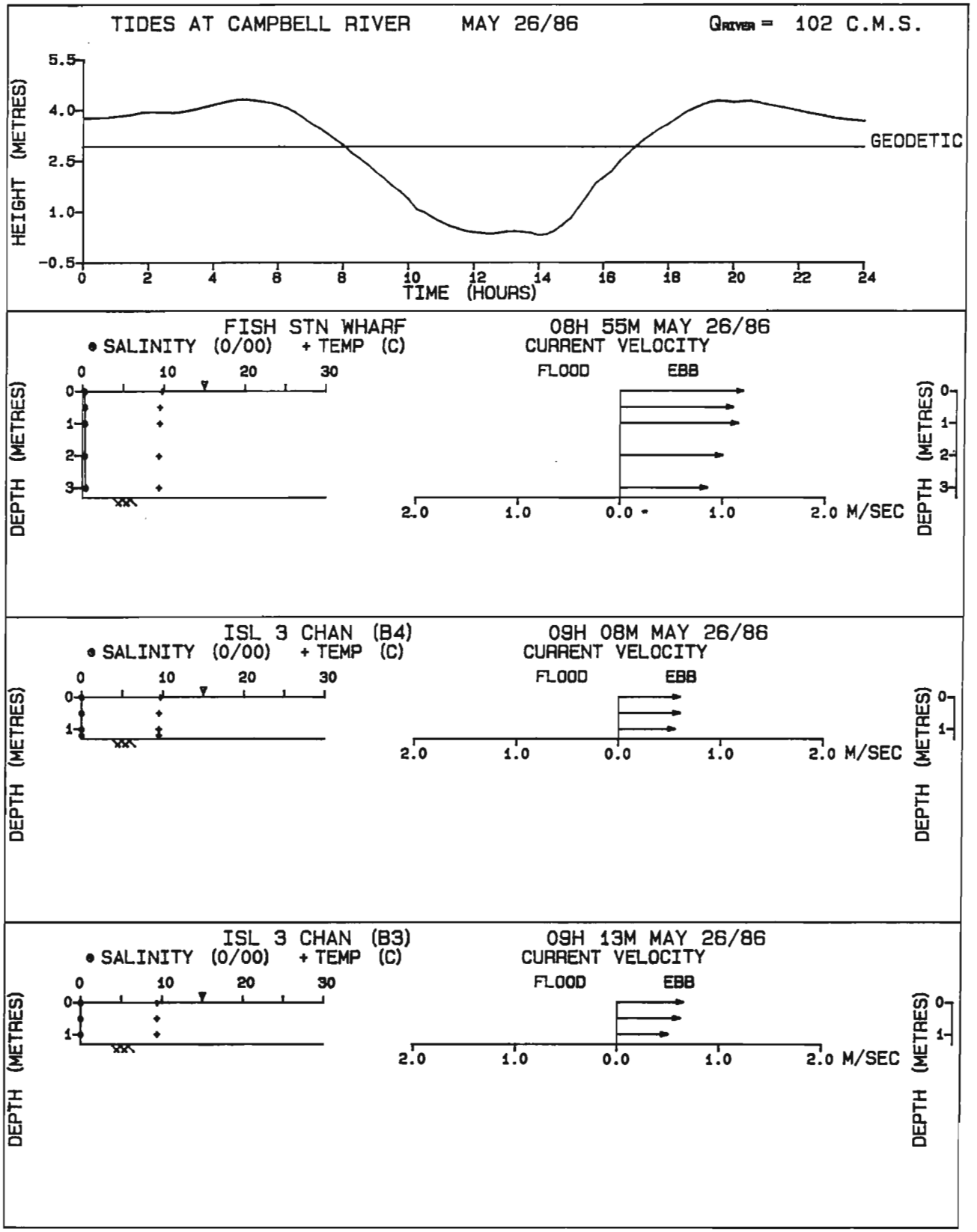
MAY 26/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
ISL 3 CH (B4)	19H 56M	.0	.10	9.4	.10	E
		1.0	.05	9.4	.20	E
		2.0	5.32	9.4	.08	E
		3.0	27.65	8.6	.00	
ISL 3 CH (B3) T	20H 03M	.0	.14	9.4	.18	E
		1.0	.24	9.4	.20	E
		2.0	20.62	9.4	.00	
ISL 3 CH (B1) T	20H 08M	.0	.19	9.4	.20	E
		1.0	.27	9.4	.18	E
		2.0	5.02	9.2	.00	
		2.5	28.51	9.2	.00	
TYEE PT	20H 15M	.0	.14	9.3		
		1.0	7.47	9.0		
		2.0	26.58	8.6		
		3.0	28.51	8.6		
		4.0	29.23	8.6		
		5.0	29.81	8.6		
RANGE MARKERS	20H 20M	.0	.34	9.4		
		1.0	.34	9.4		
		2.0	6.54	9.3		
		3.0	28.37	8.7		
		3.5	28.66	8.5		
GULF SIGN	20H 24M	.0	.10	9.4		
		1.0	.19	9.3		
		2.0	4.01	9.3		
		3.0	17.89	8.9		
		4.0	27.29	8.6		
		4.5	28.37	8.5		
FISH STN WHARF	20H 26M	.0	.00	9.4		
		1.0	.00	9.3		
		2.0	.14	9.3		
		3.0	23.05	8.8		
		4.0	26.94	8.6		
		5.0	28.37	8.5		
		5.5	28.58	8.5		
NBM MAIN CHAN	20H 28M	.0	.00	9.3		
		1.0	.00	9.3		
		2.0	.00	9.3		
		3.0	10.30	9.2		
		4.0	26.94	8.6		
		4.5	27.65	8.5		

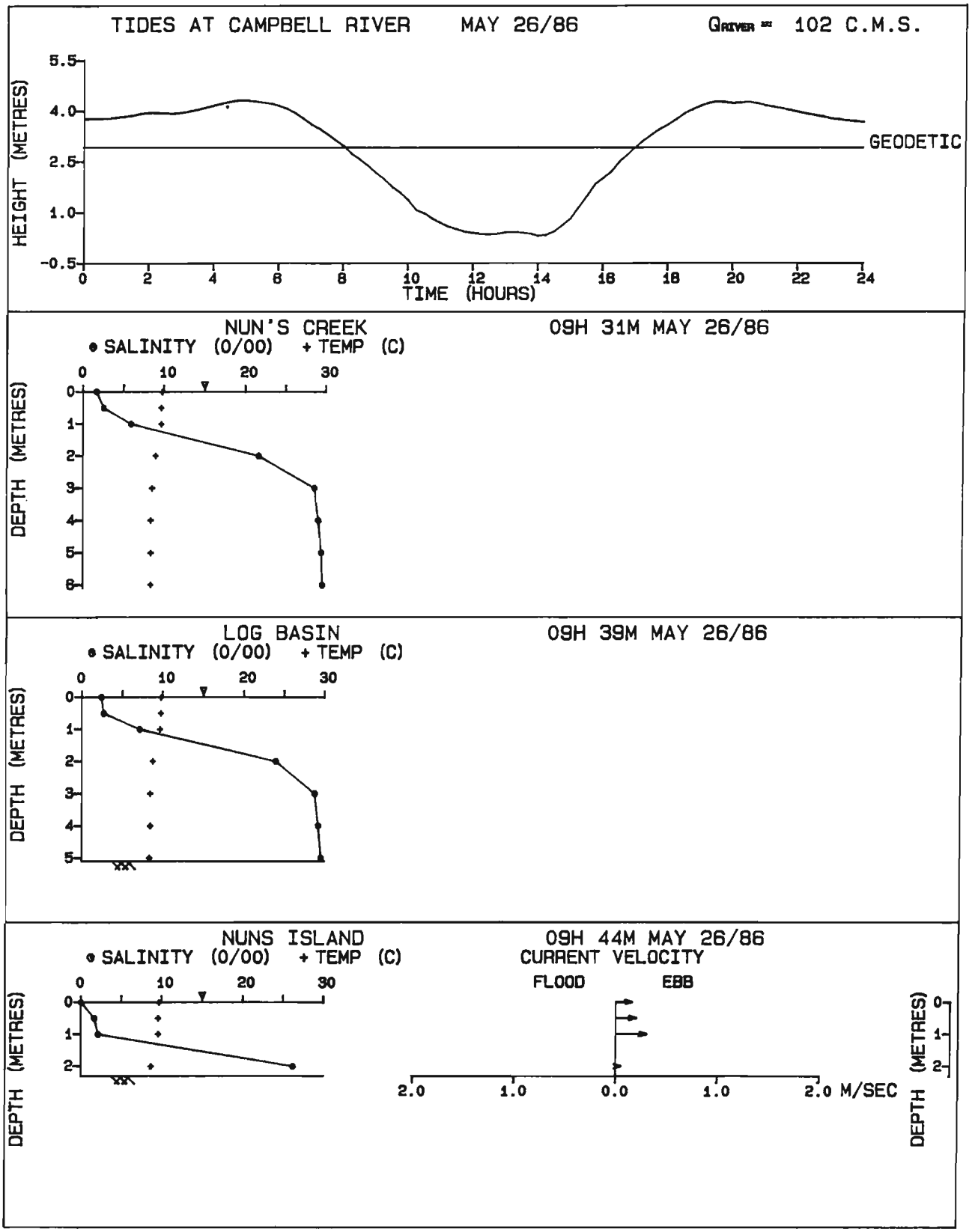
MAY 26/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
FISH BARGE MAIN	20H 30M	.0	.00	9.4		
		1.0	.00	9.4		
		2.0	.00	9.3		
		3.0	.19	9.3		
		3.5	16.54	9.1		
		4.0	26.65	8.9		
SBM MAIN CHAN	20H 33M	.0	.00	9.3		
		1.0	.00	9.2		
		2.0	.00	9.2		
		3.0	.00	9.1		
		3.5	.00	9.1		
C. R. BRIDGE	20H 40M	.0			1.40	E
C.R. LODGE	20H 43M	.0			.80	E
PILE BREAKWATER	20H 44M	.0			.56	E
TOP END MAIN CH	20H 46M	.0			.40	E
FISH BARGE	20H 50M	.0			.40	E
GULF SIGN	20H 54M	.0			.60	E
TYEE PT	21H 05M	.0	.00	9.2	.35	E
		1.0	.00	9.2		
		2.0	.00	9.0		
		3.0	.00	9.0		
		3.2	.00	9.0		
FISH BARGE	21H 08M	.0	.00	9.0		
		1.0	.00	9.0		
		2.0	.10	8.9		
		3.0	.75	8.9		
		4.0	5.63	8.6		

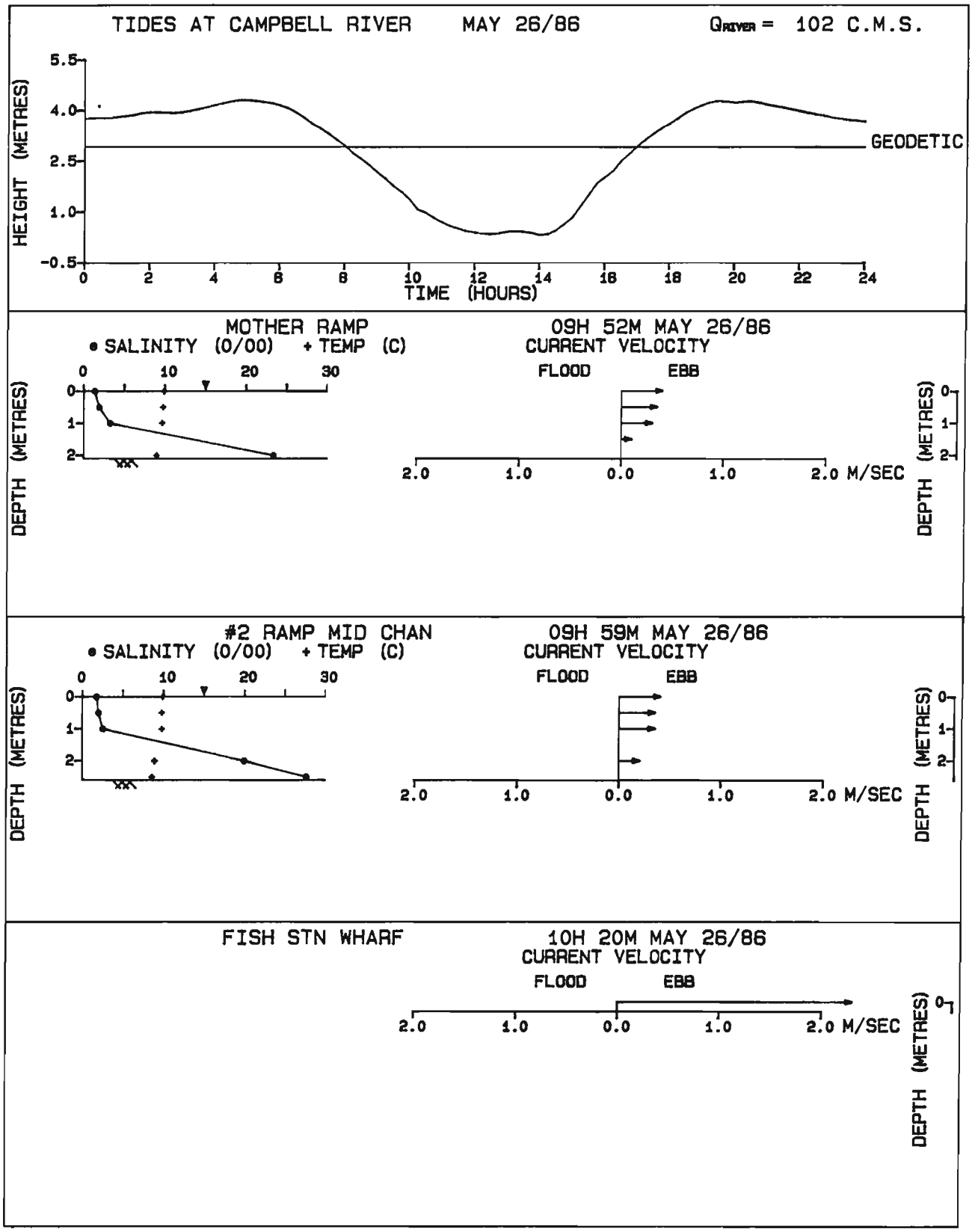
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



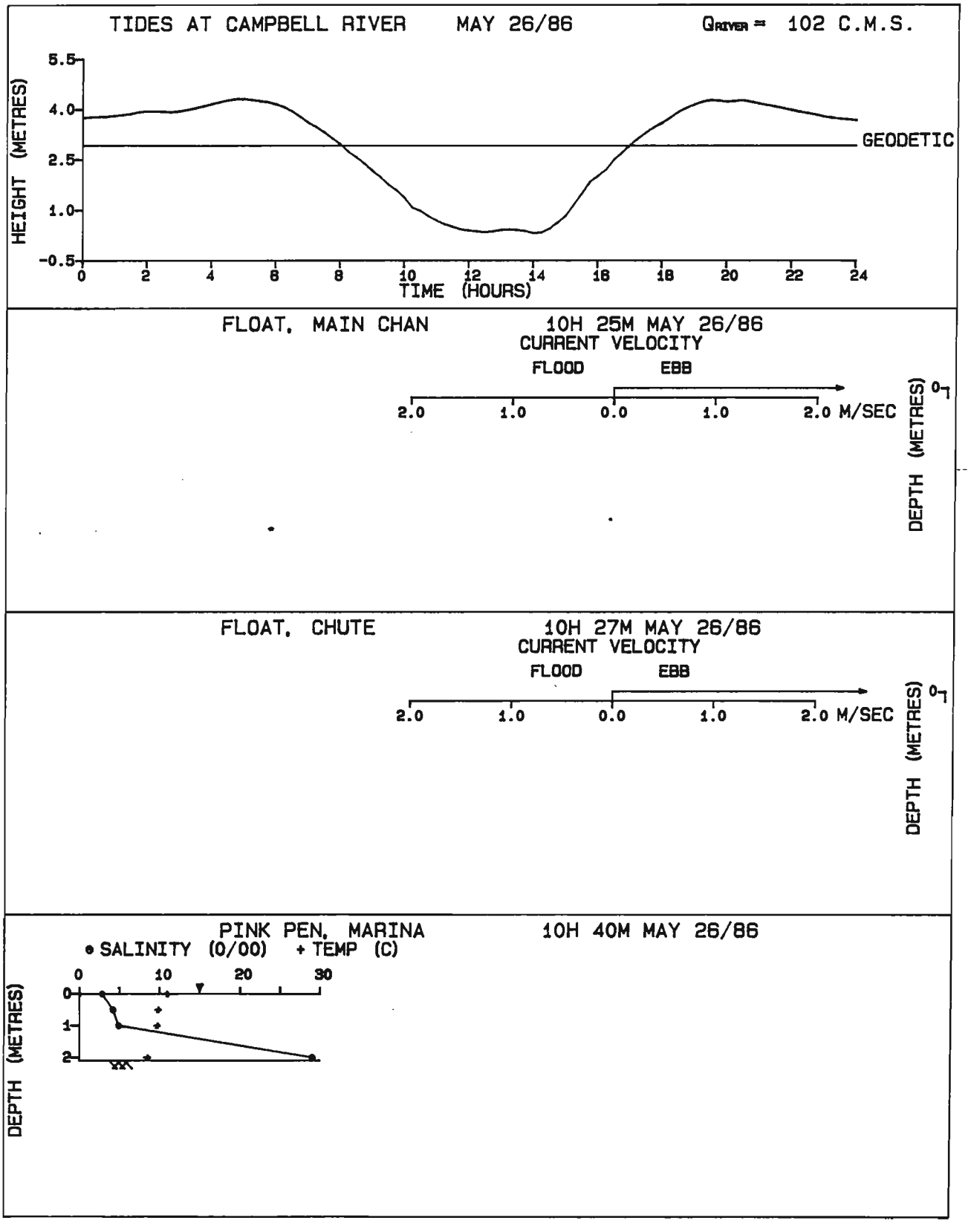
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



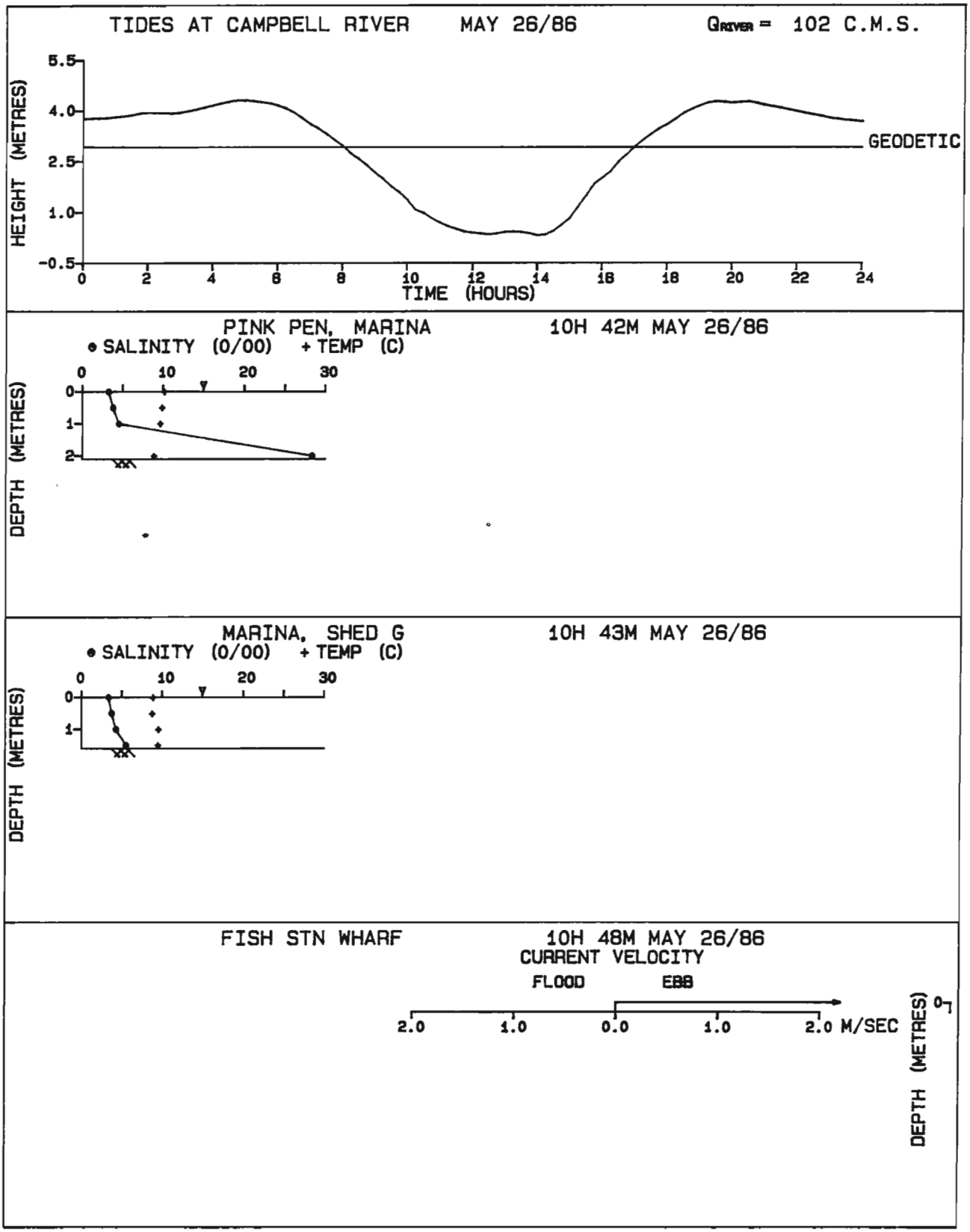
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



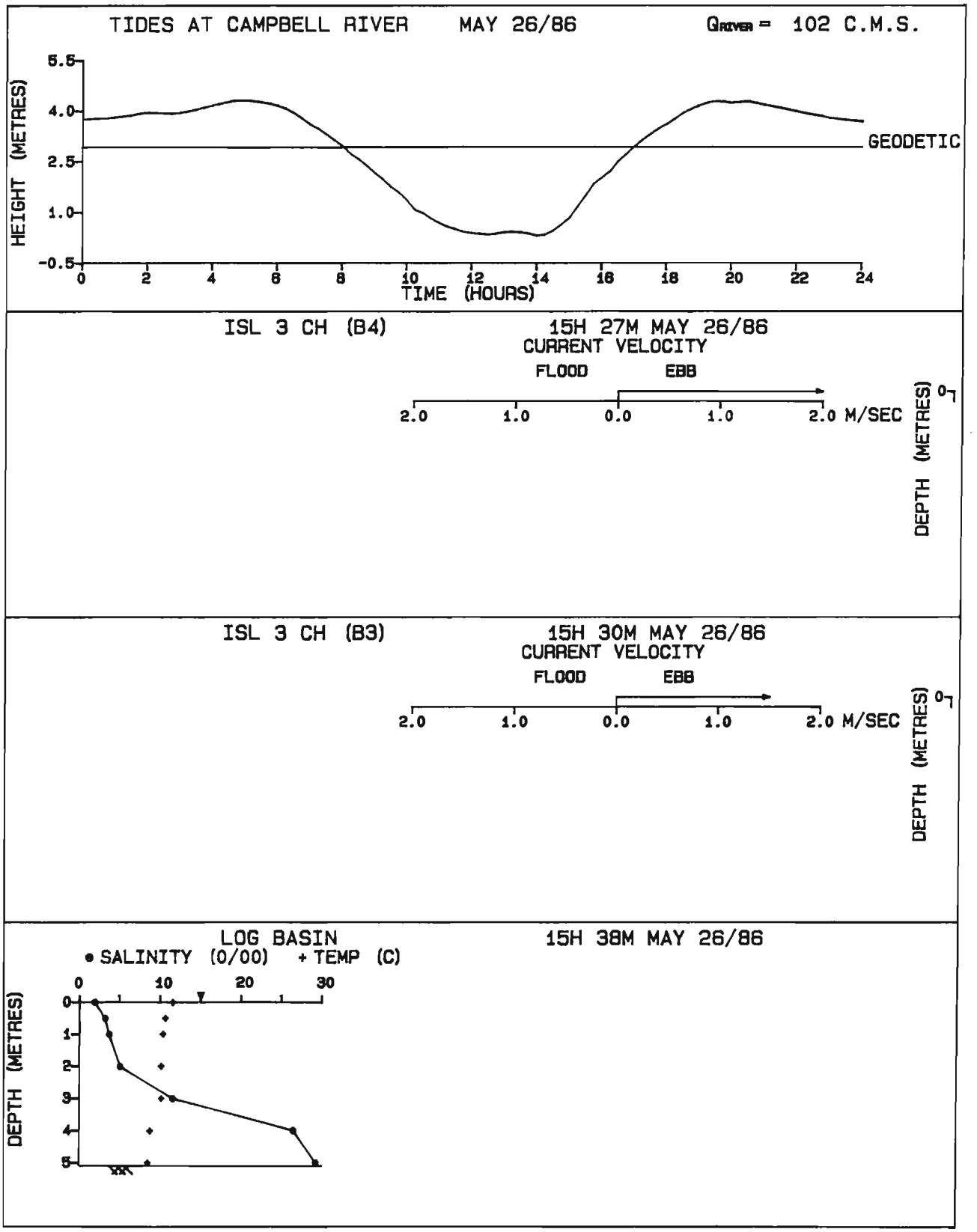
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



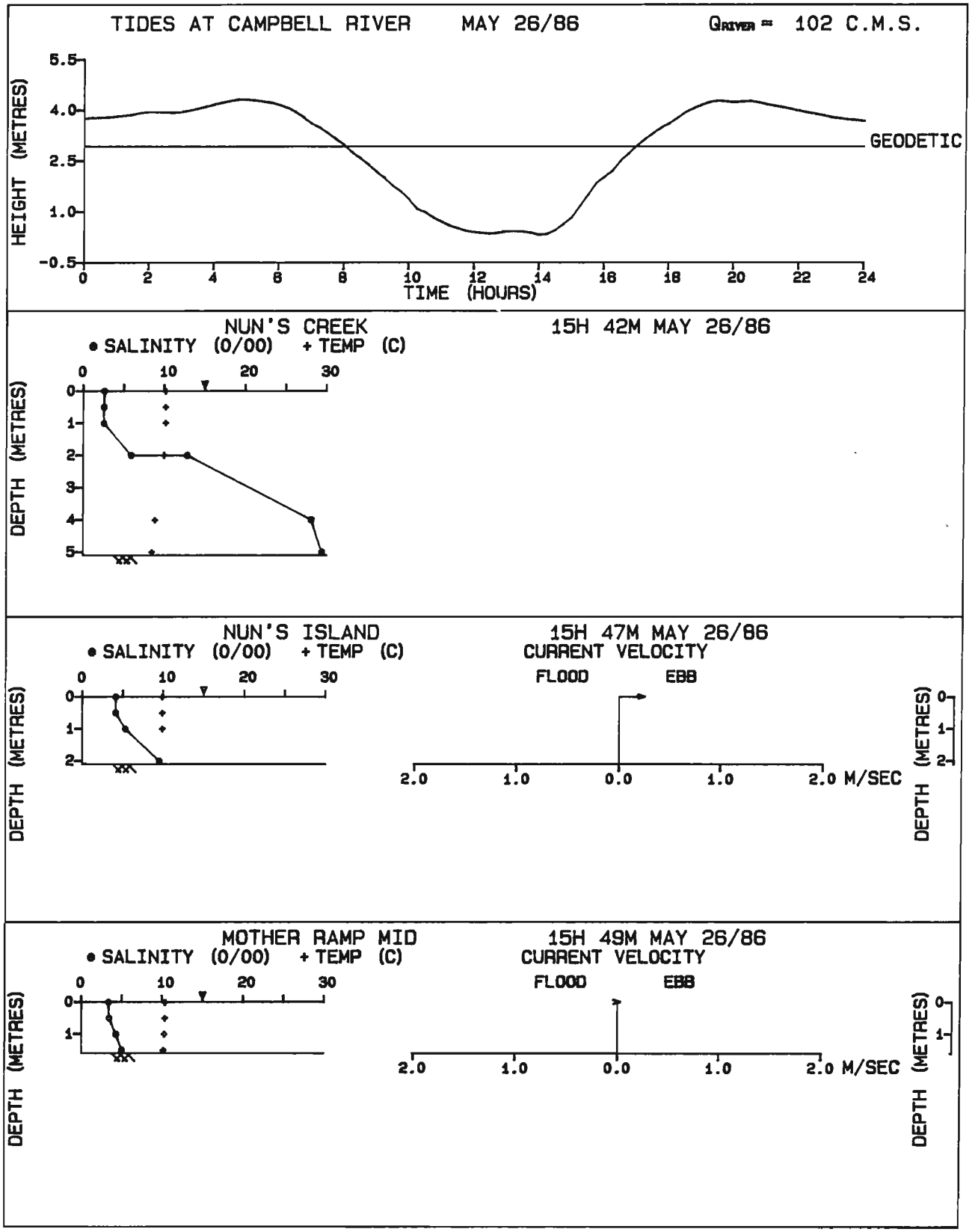
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



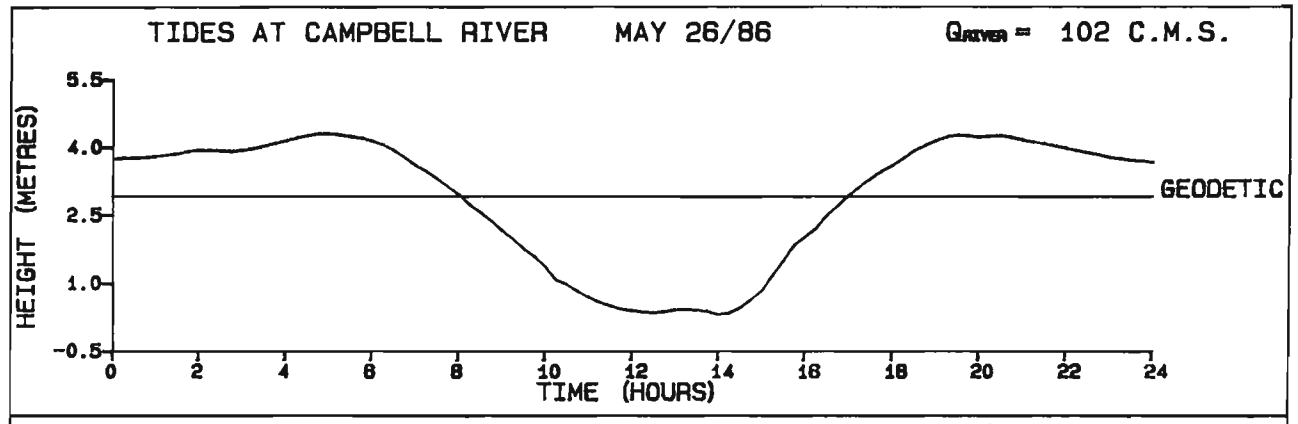
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

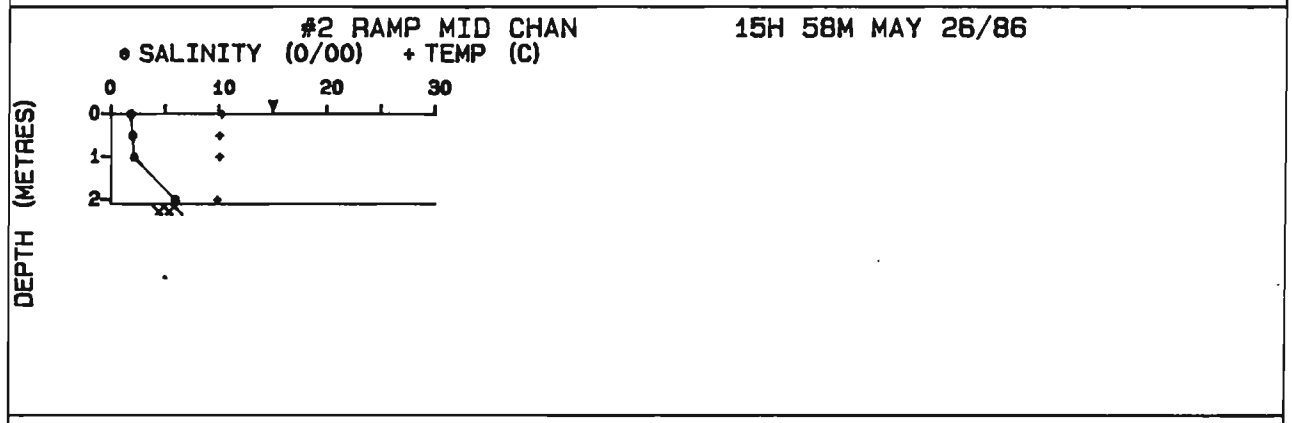


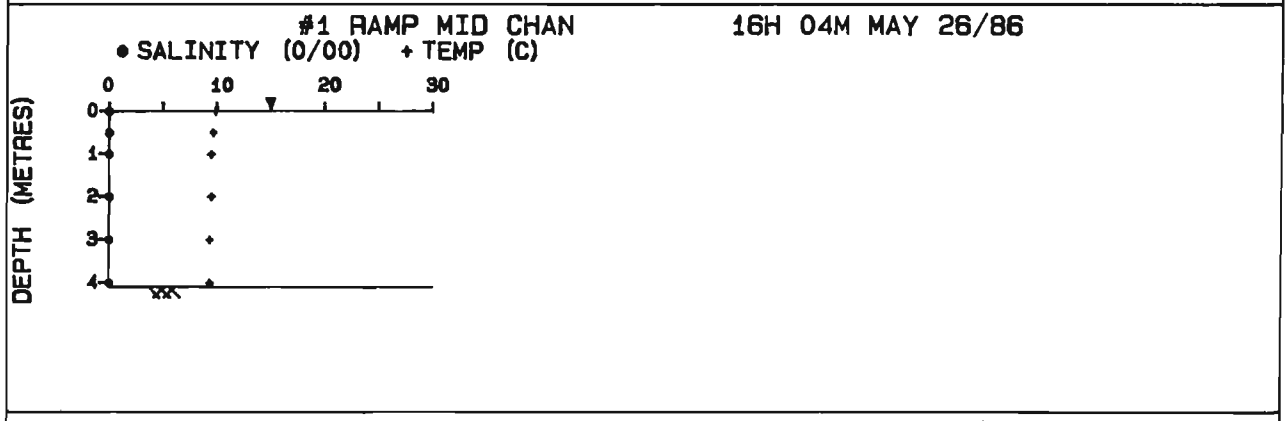
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

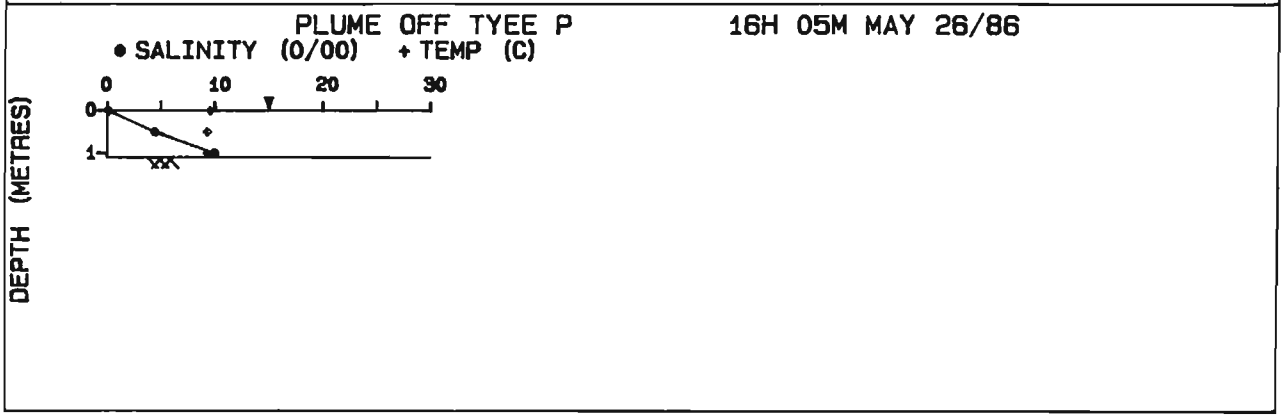


SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER

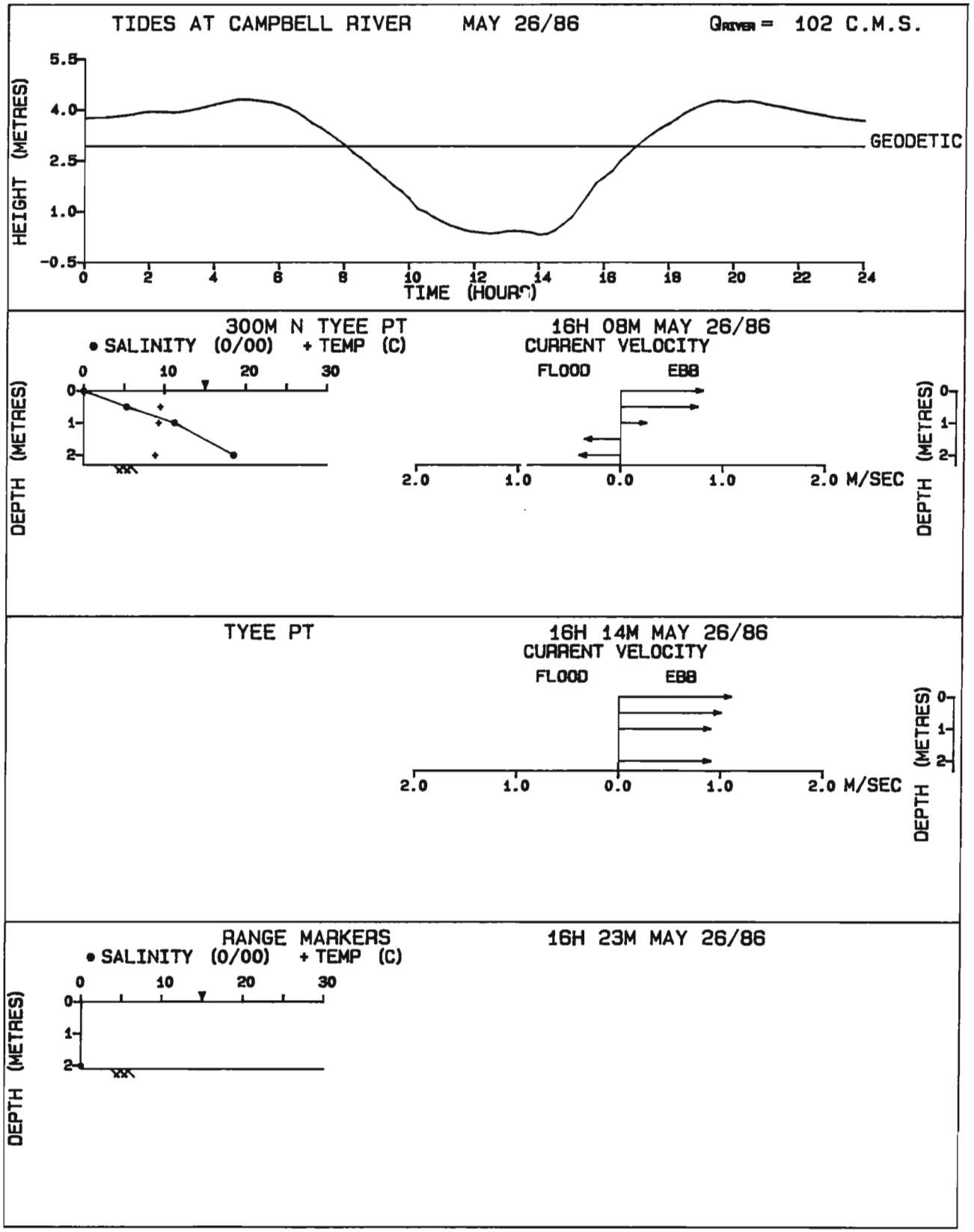








SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



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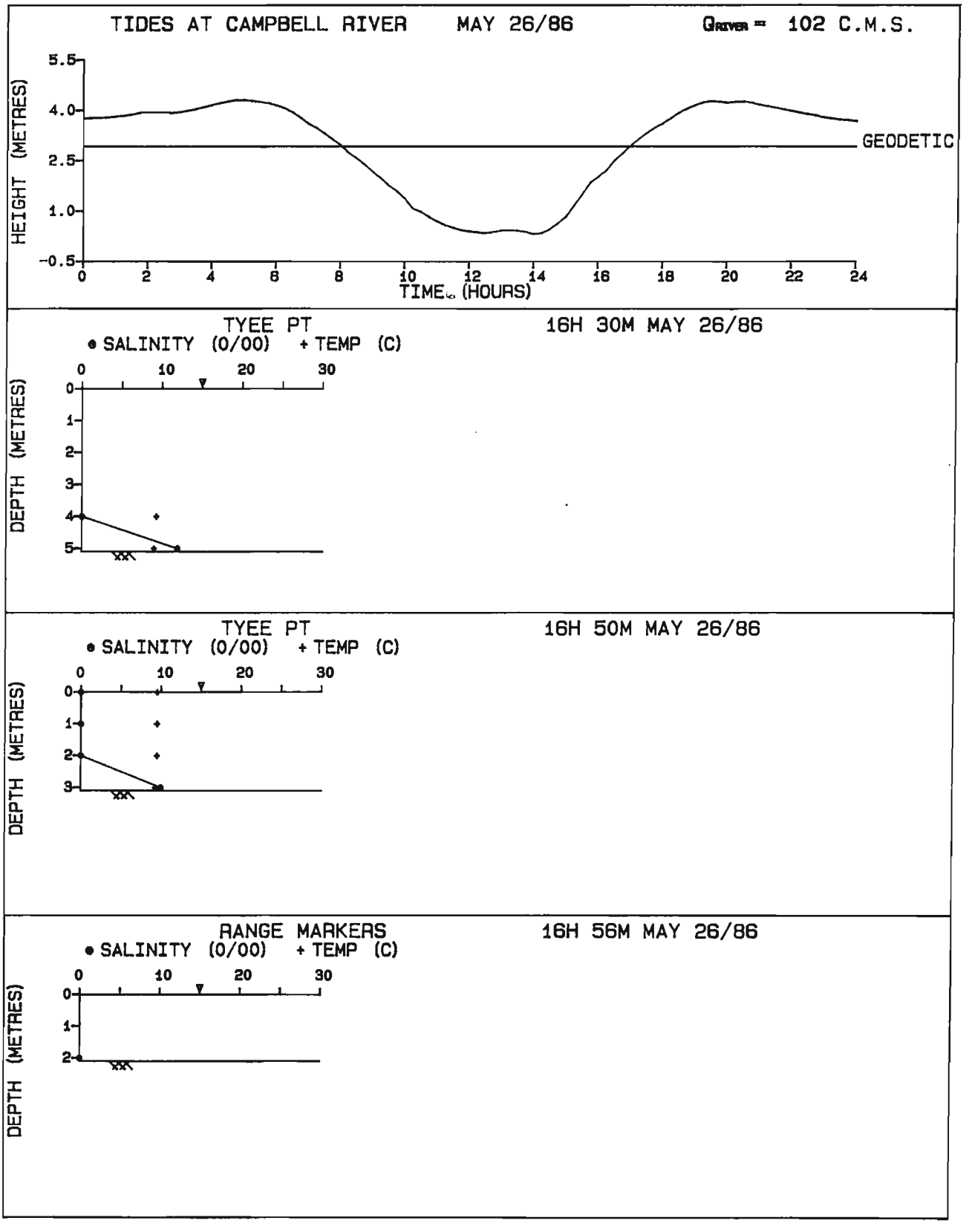
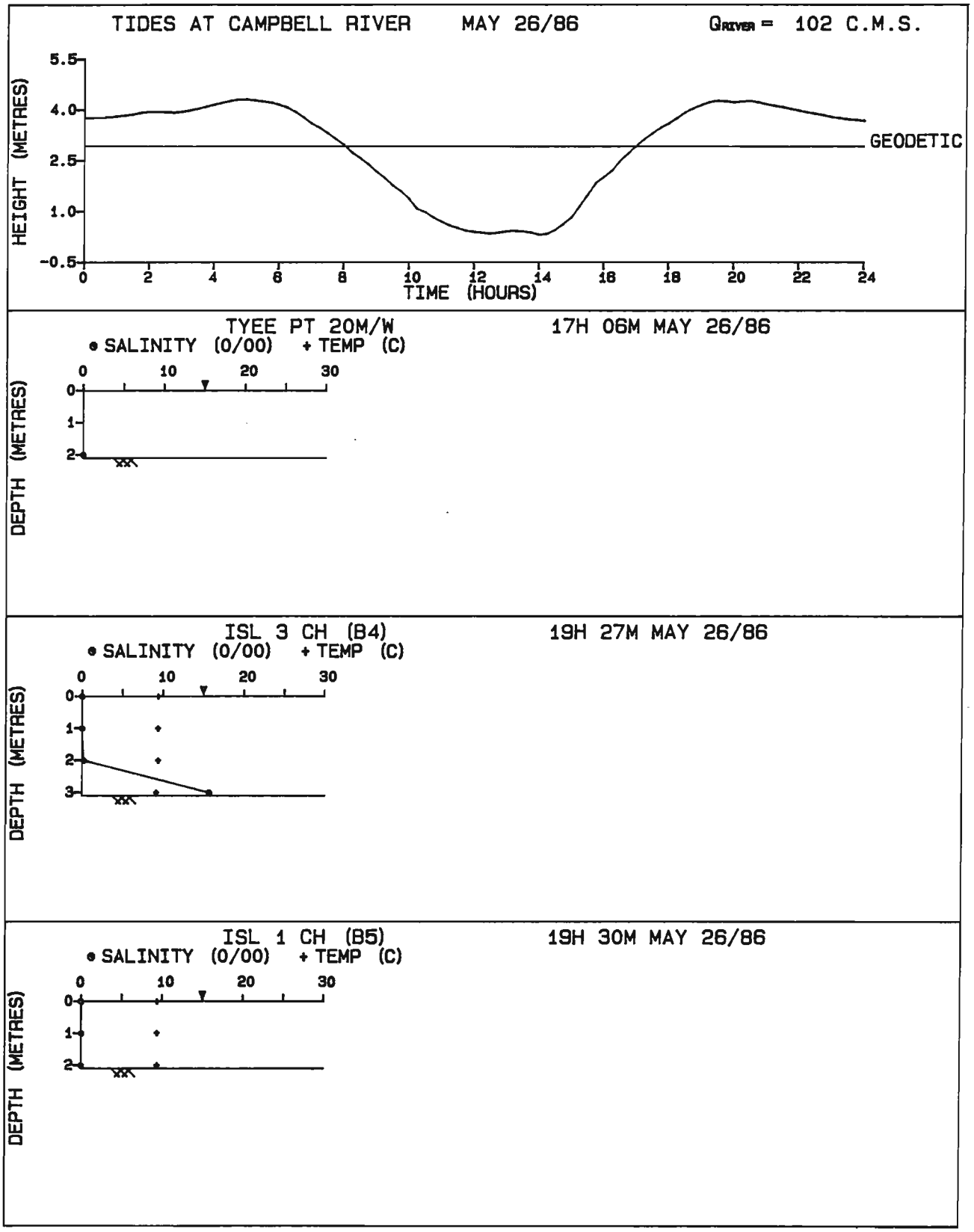
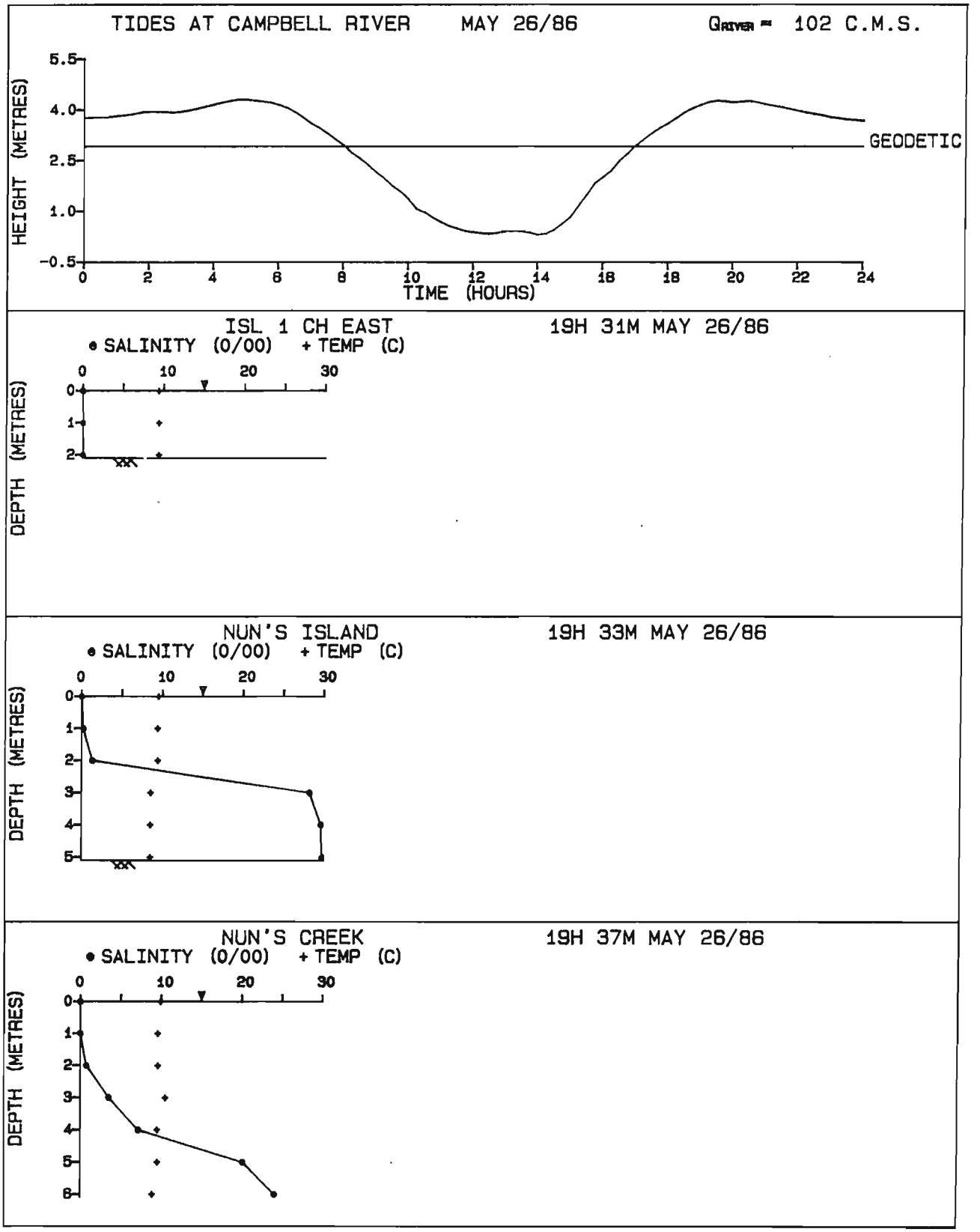


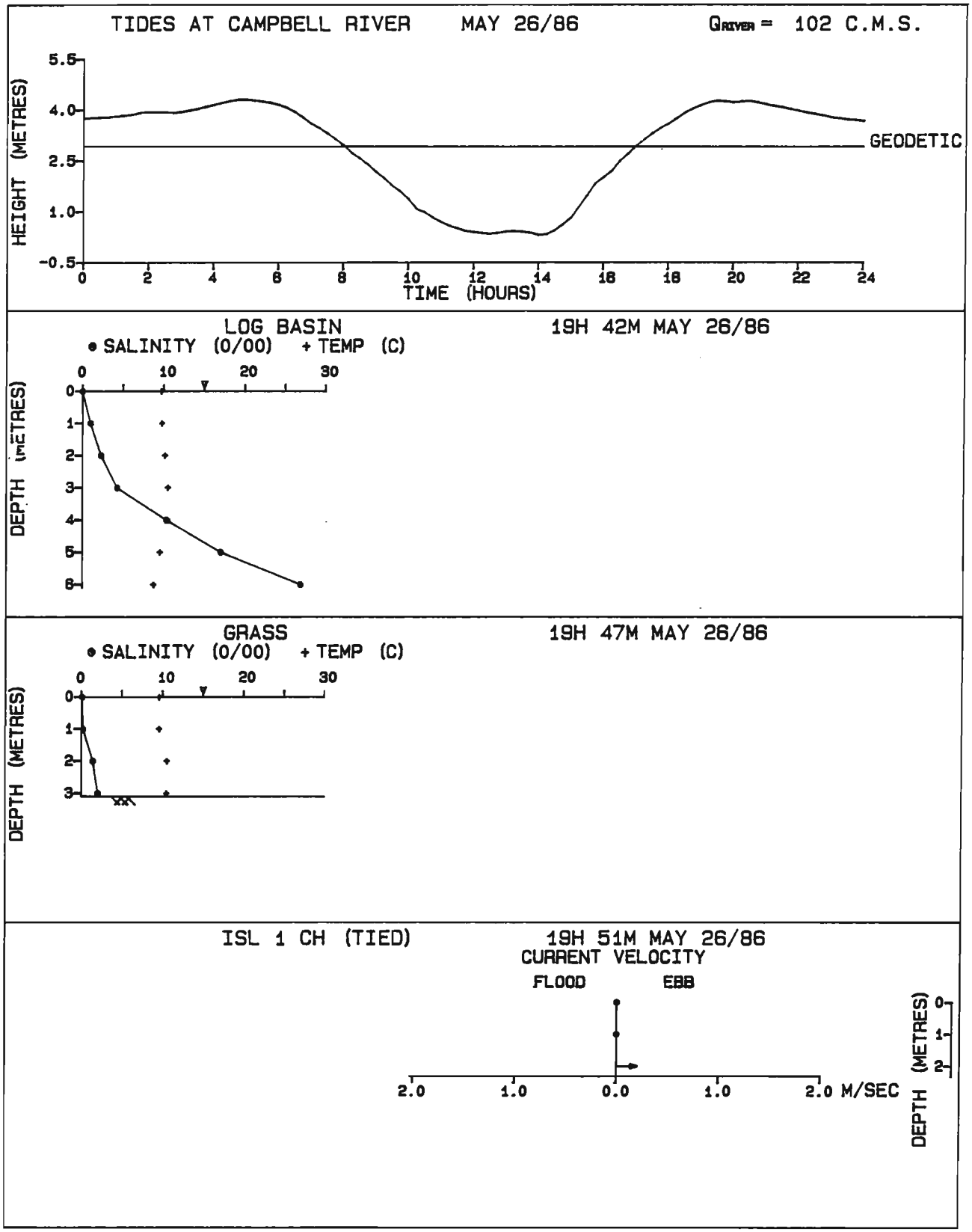
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



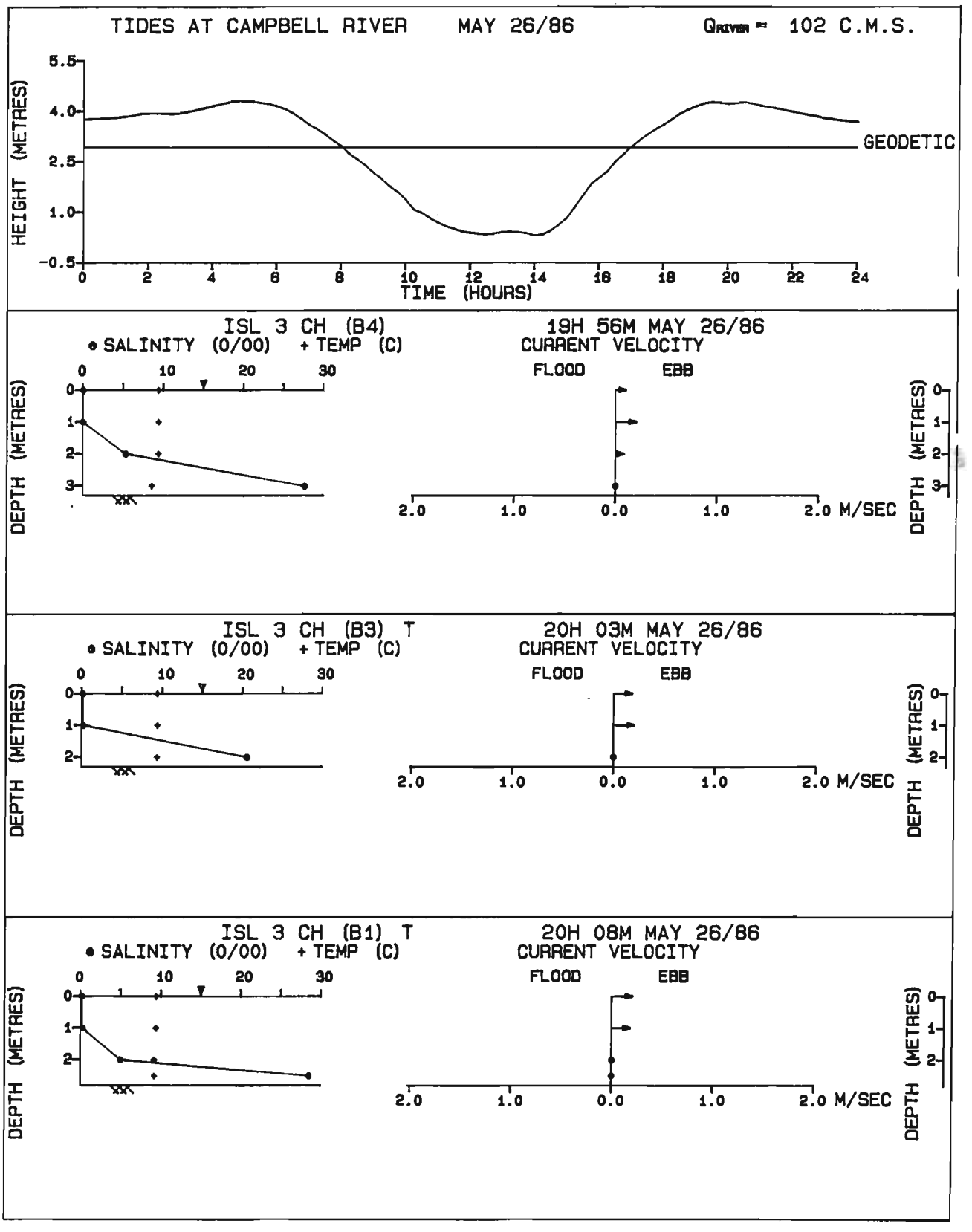
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



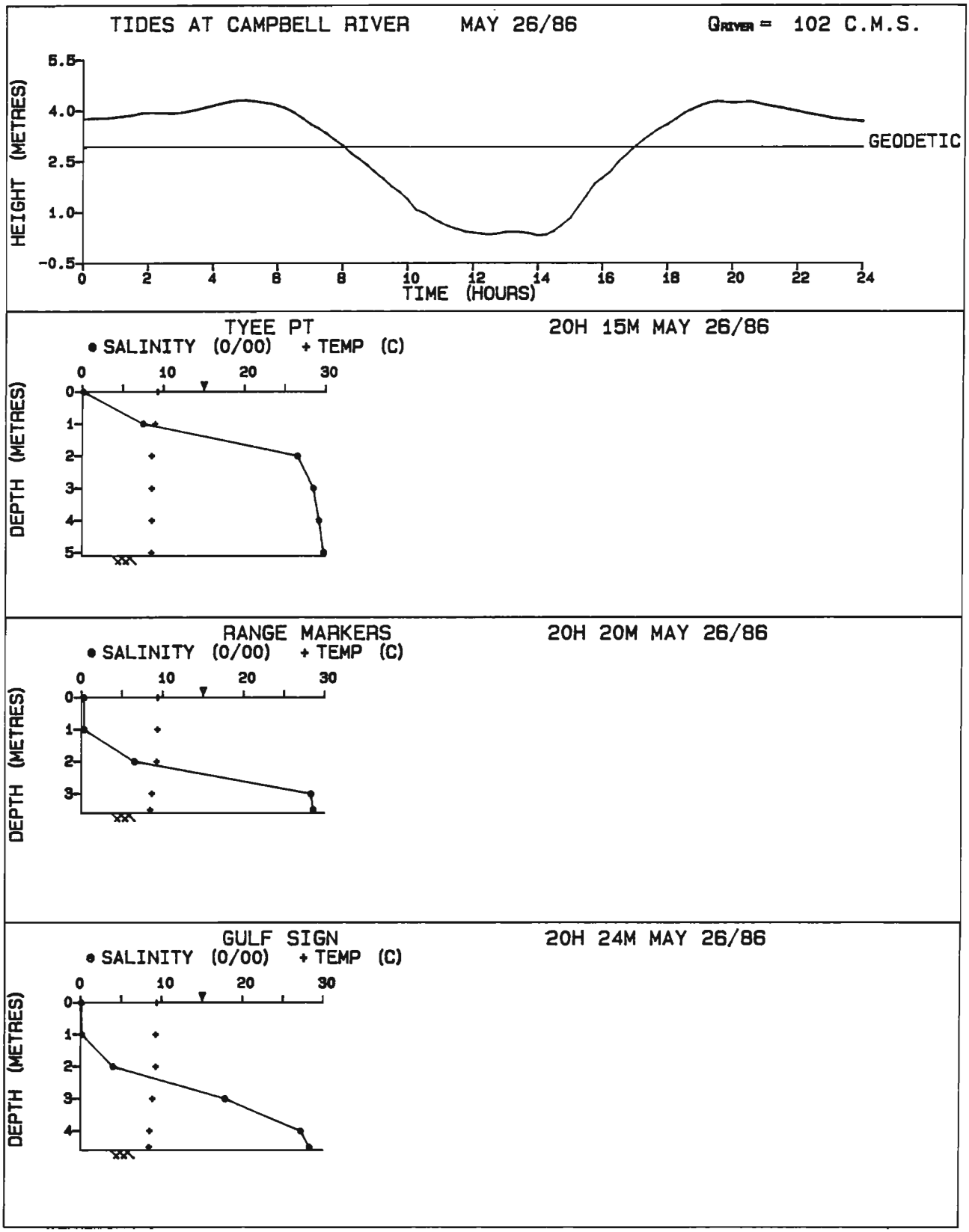
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



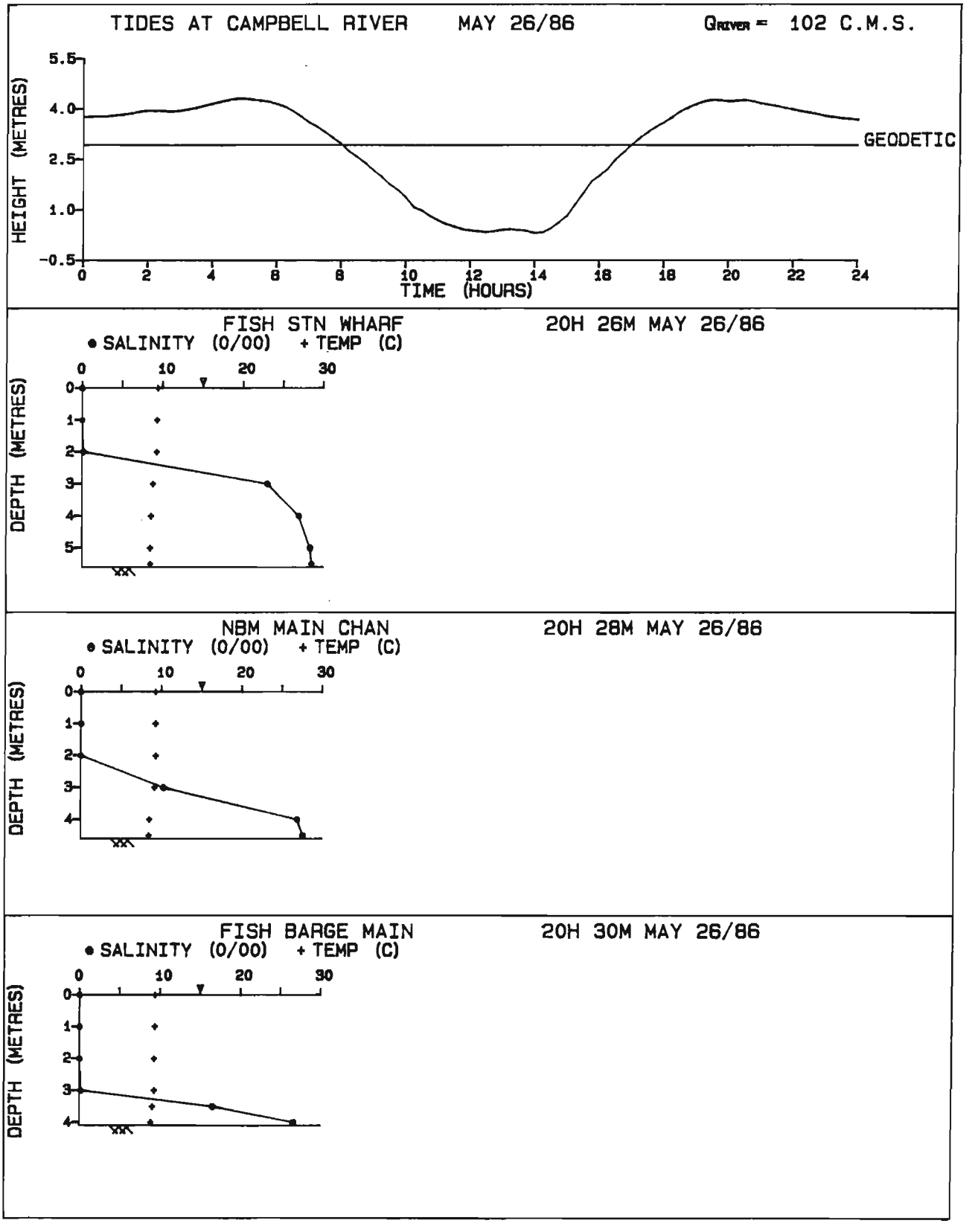
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



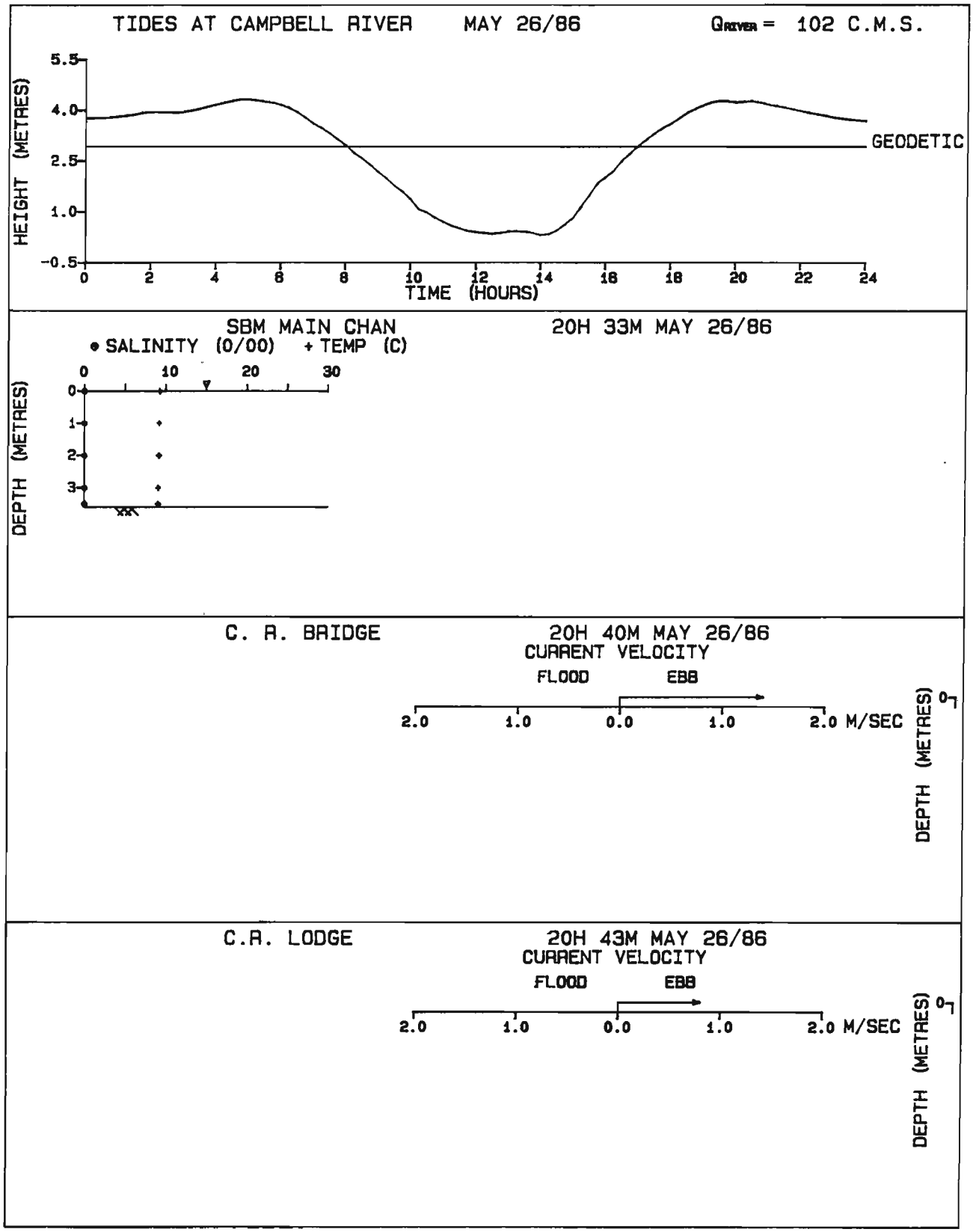
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



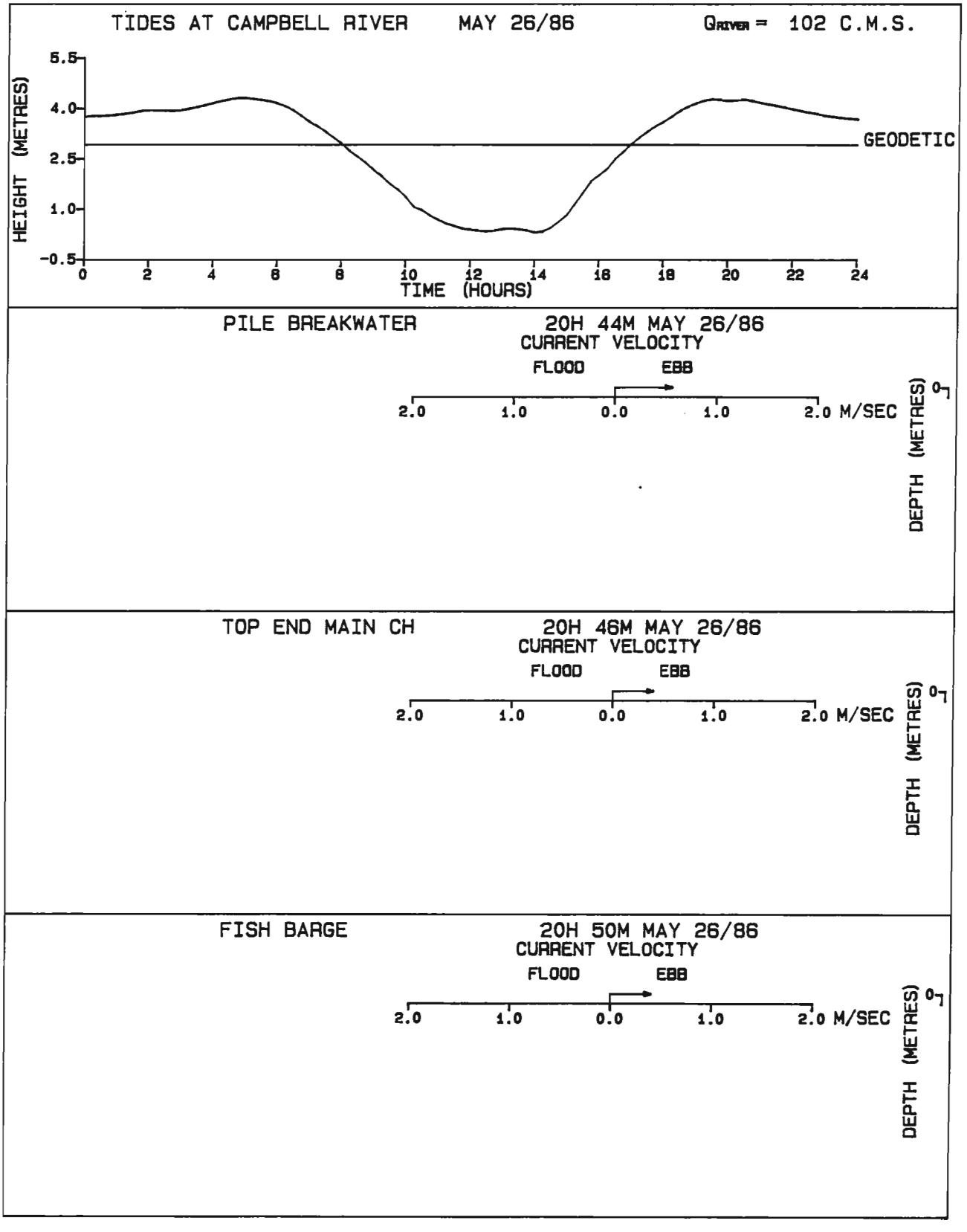
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



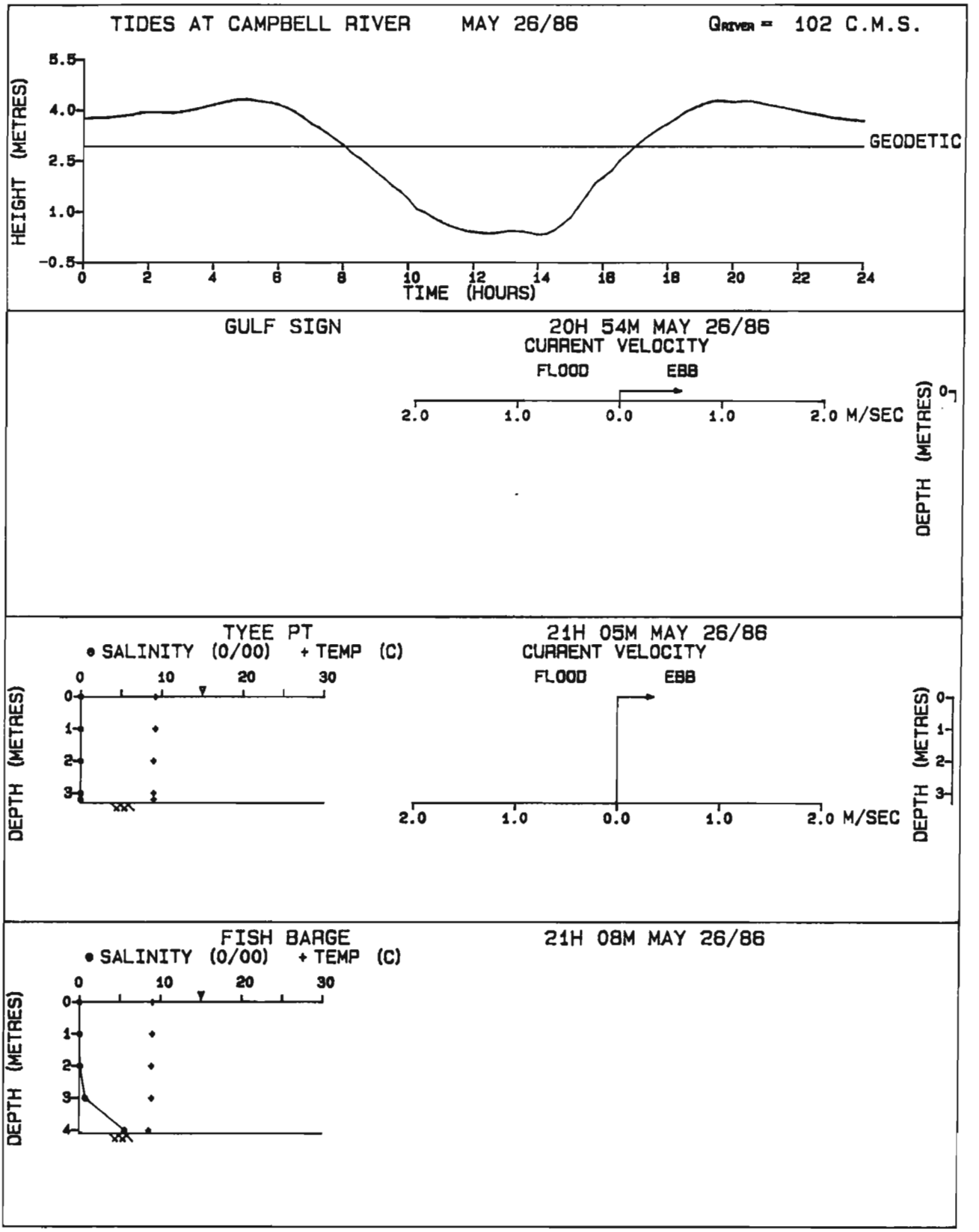
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



MAY 27/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
TYEE PT	08H 23M	.0	.00	9.3		
		1.0	.39	9.3		
		2.0	7.47	9.1		
		3.0	16.67	8.9		
		4.0	28.08	8.7		
		5.0	28.73	8.6		
		5.5	28.73	8.5		
RANGE MARKERS	08H 26M	.0	.00	9.3		
		1.0	.00	9.0		
		2.0	.00	9.0		
ISL 3 CH (B3)	08H 30M	.0	.00	9.2		
		1.0	.00	9.2		
		2.0	.00	9.1		
NATURAL ISL CH	08H 32M	1.5	.00			
KNOLL ISL CH	08H 33M	.0	.00	9.2		
		1.0	.00	9.2		
GRASS	08H 37M	1.5	.12	9.4		
ISL 1 CH (B5)	08H 39M	1.0	.00	9.4		
NUN'S CREEK	08H 42M	.0	.14	9.8		
		1.0	1.07	9.7		
		2.0	3.66	9.6		
		3.0	14.54	9.4		
		4.0	26.94	8.6		
		5.0	27.79	8.6		
		6.0	28.22	8.5		
		7.0	28.37	8.5		
		8.0	28.73	8.5		
		9.0	28.73	8.5		
		10.0	29.09	8.5		
NUN'S ISLAND	08H 50M	.0	.00	9.5		
		1.0	.00	9.5		
		2.0	.00	9.5		
		3.0	.10	9.8		
		4.0	12.24	9.6		
MOTHER RAMP	08H 53M	.0	.80	9.4		
		1.0	1.34	9.4		
		2.0	1.72	9.4		
		3.0	23.26	8.9		
#2 RAMP MID CH	08H 56M	.0	.54	9.5		

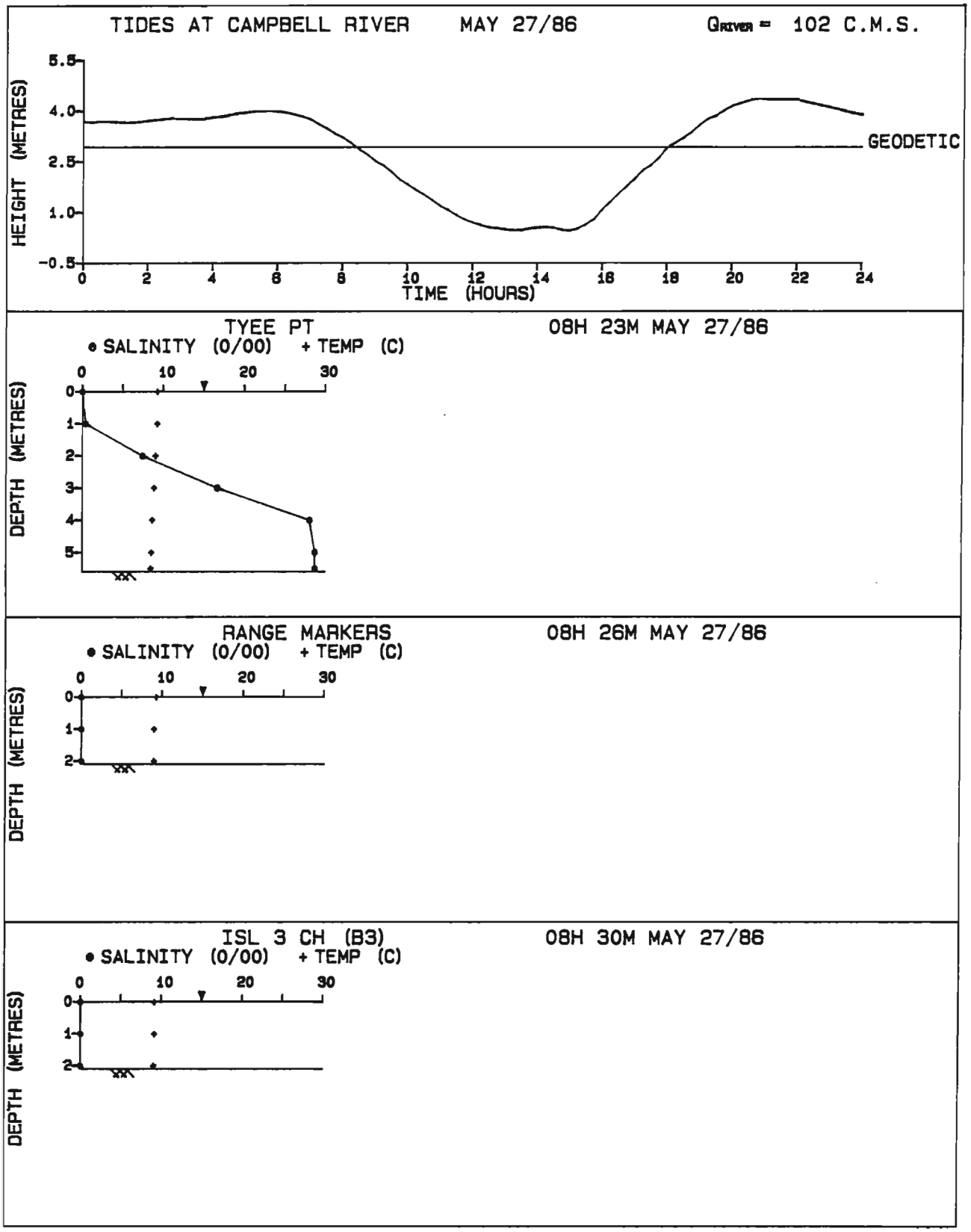
MAY 27/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
#2 RAMP MID CH	08H 56M	1.0	.60	9.5		
		2.0	4.01	9.3		
		3.0	15.87	9.2		
TYEE PT	08H 59M	.0	.00	9.3		
		1.0	.00	9.3		
		2.0	.44	9.2		
		3.0	6.23	9.2		
TYEE PT	09H 03M	.0			1.10	E
		1.0			1.00	E
		2.0			.90	E
RANGE MARKERS	09H 05M	.0			1.30	E
FISH STN WHARF	09H 10M	.0			2.20	E
NBM MAIN CH	09H 12M	.0			2.20	E
FISH BARGE MAIN	09H 13M	.0			2.50	E
FISH BARGE CHUTE	09H 15M	.0			2.50	E
NBM TUG TURN	09H 18M	.0	.19	10.2		
		1.0	.19	9.9		
		2.0	.19	9.9		
		2.3	.19	9.8		
NBS	09H 22M	.0	.14	9.9		
		1.0	.14	9.8		
CEDAR MILL NBS	09H 25M	.0	.14	10.0		
		.5	.14	9.8		
MARINA SHED 'B'	09H 28M	.0	.29	10.6		
		1.0	.39	10.6		
		2.0	2.45	10.7		
MARINA BOAT RAMP	09H 32M	.0	.29	10.6		
		1.0	.34	10.3		
		2.0	.60	10.7		
		3.0	28.73	8.9		
ISL 3 CH (B4)	09H 40M	.0			1.50	E
ISL 3 CH (B3)	09H 41M	.0			1.00	E
NATURAL IS. CH	09H 44M	.0			1.00	E

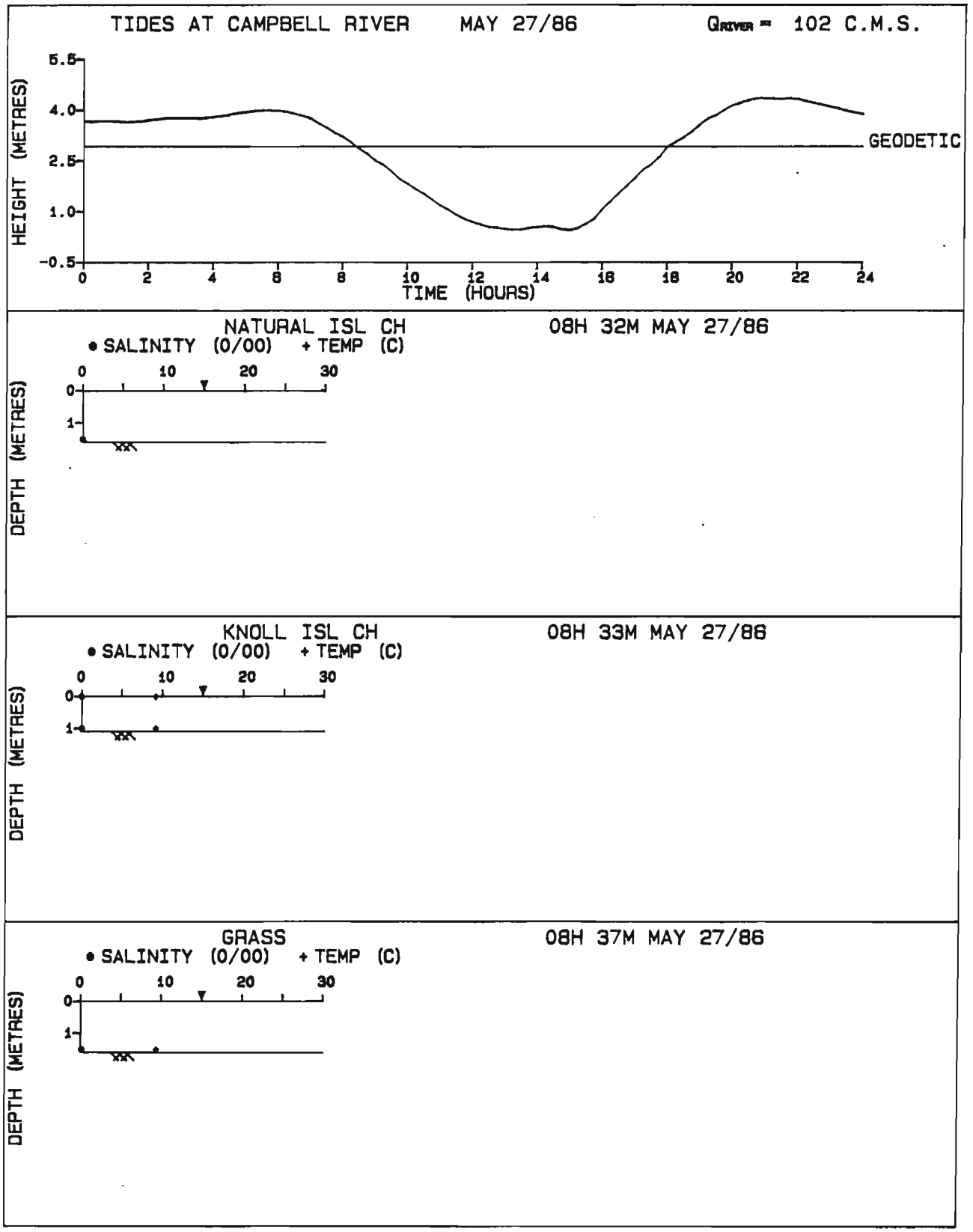
MAY 27/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
ISL 1 CH (B5)	09H 48M	.0			1.30	E
ISL 1 CH (B6)	09H 49M	.0			1.30	E
FISH STN WHARF	09H 52M	.0			2.40	E

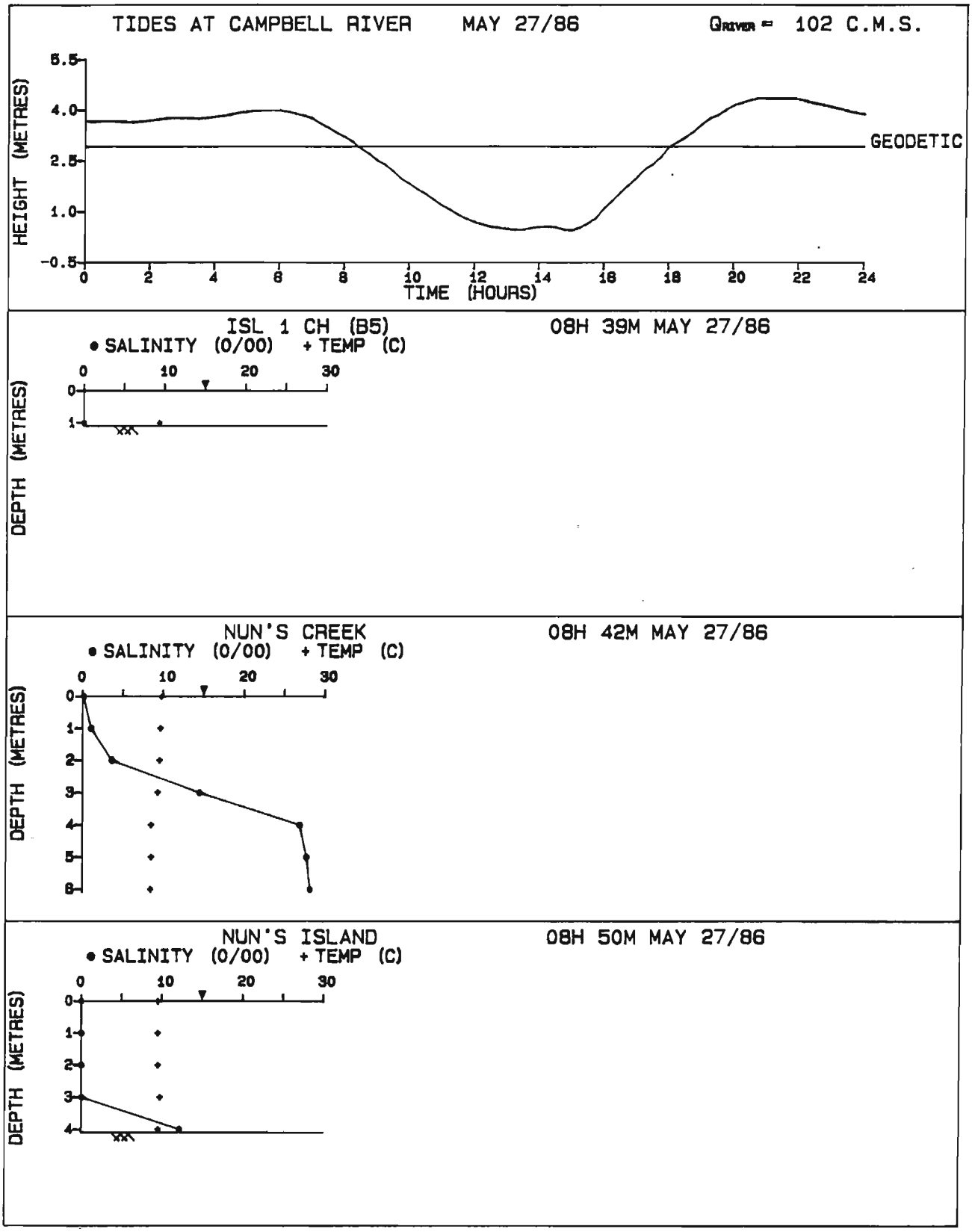
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



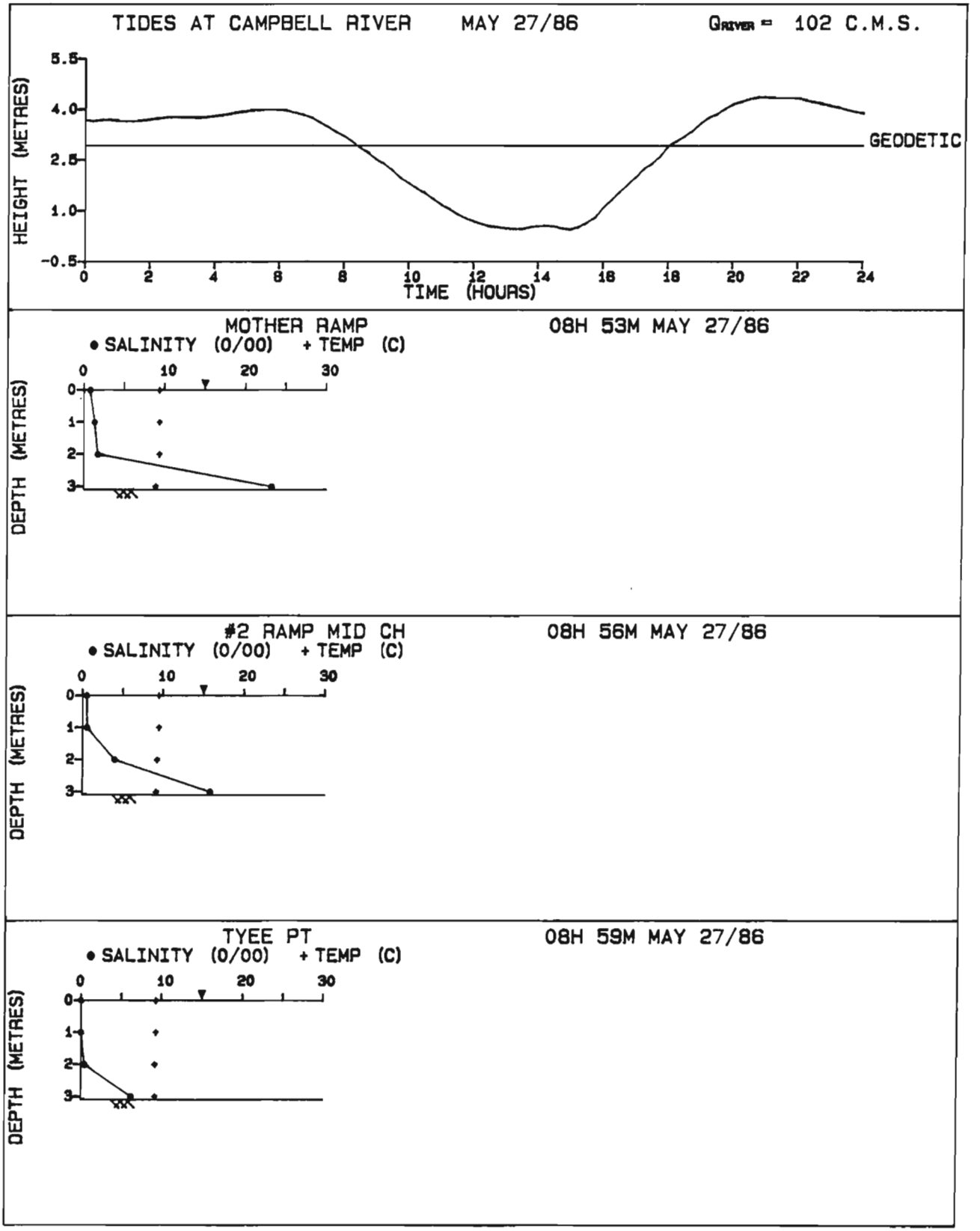
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



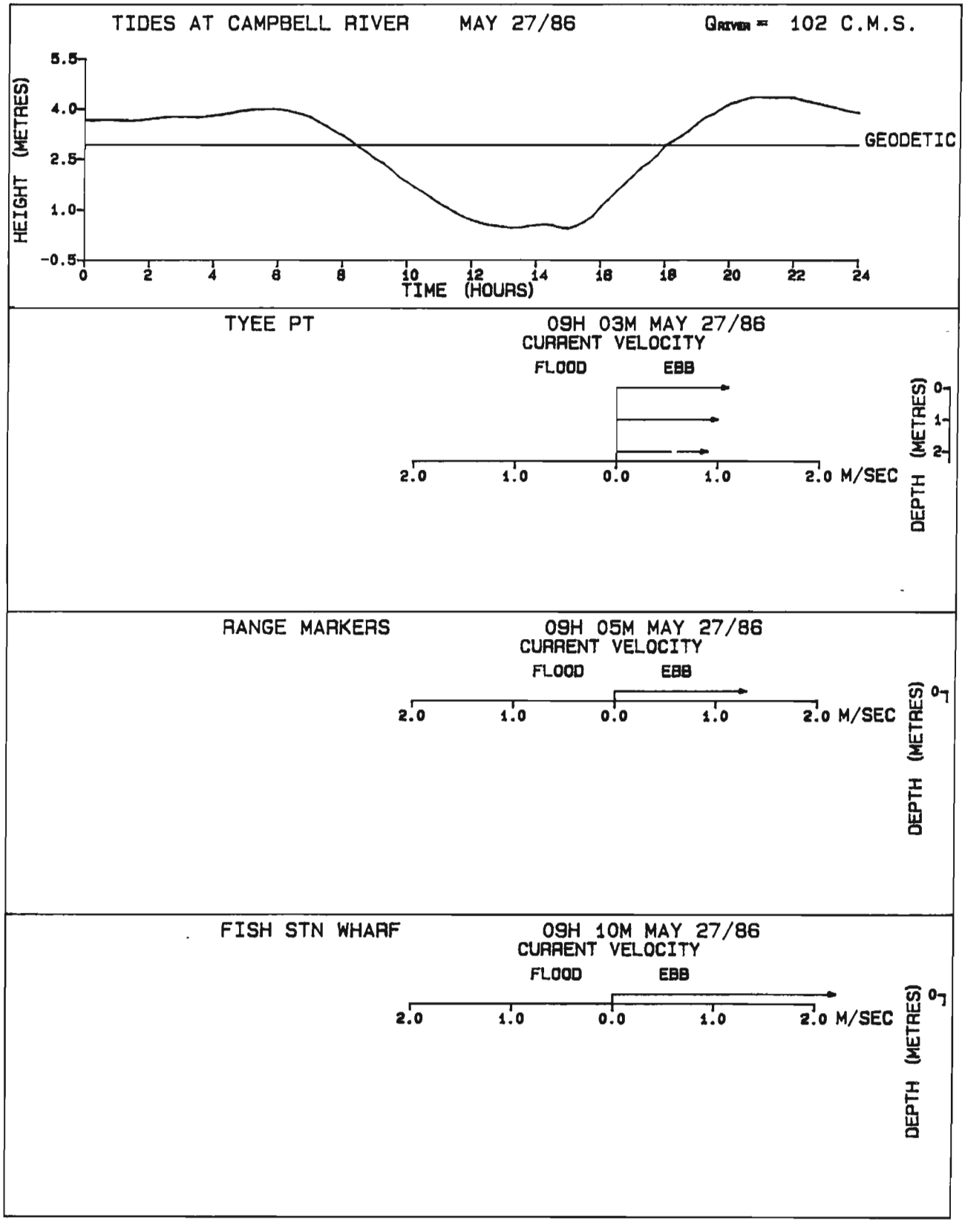
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



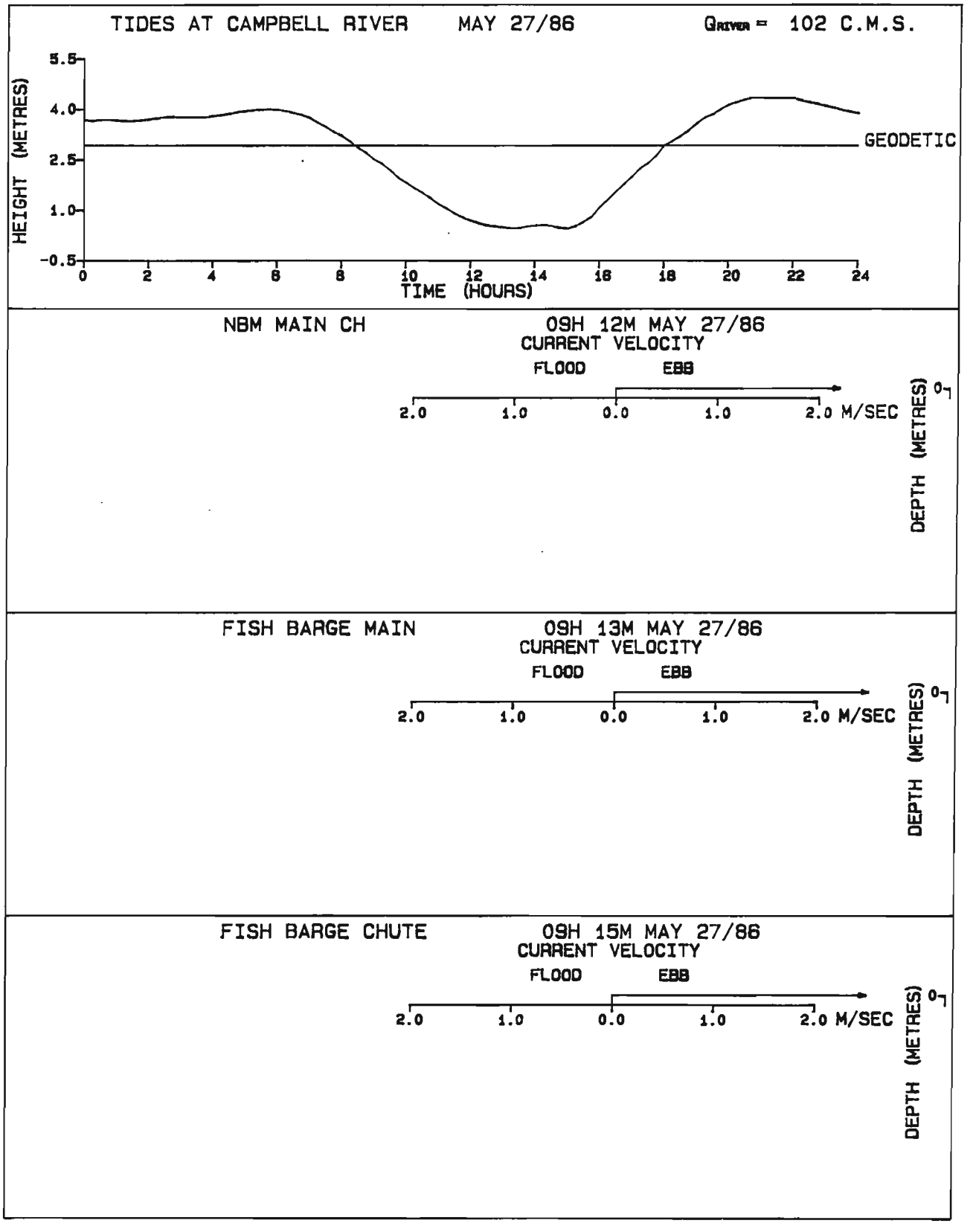
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



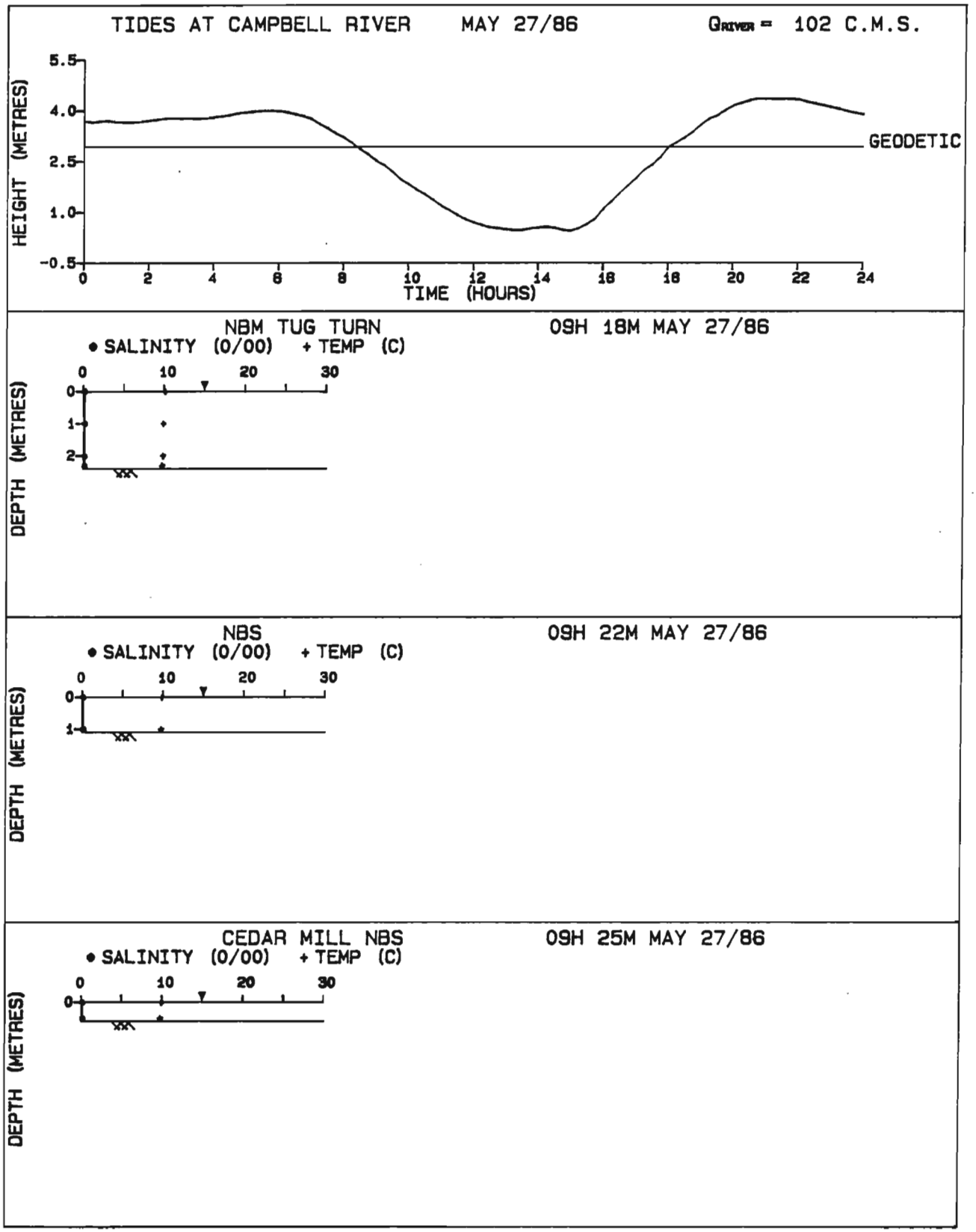
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



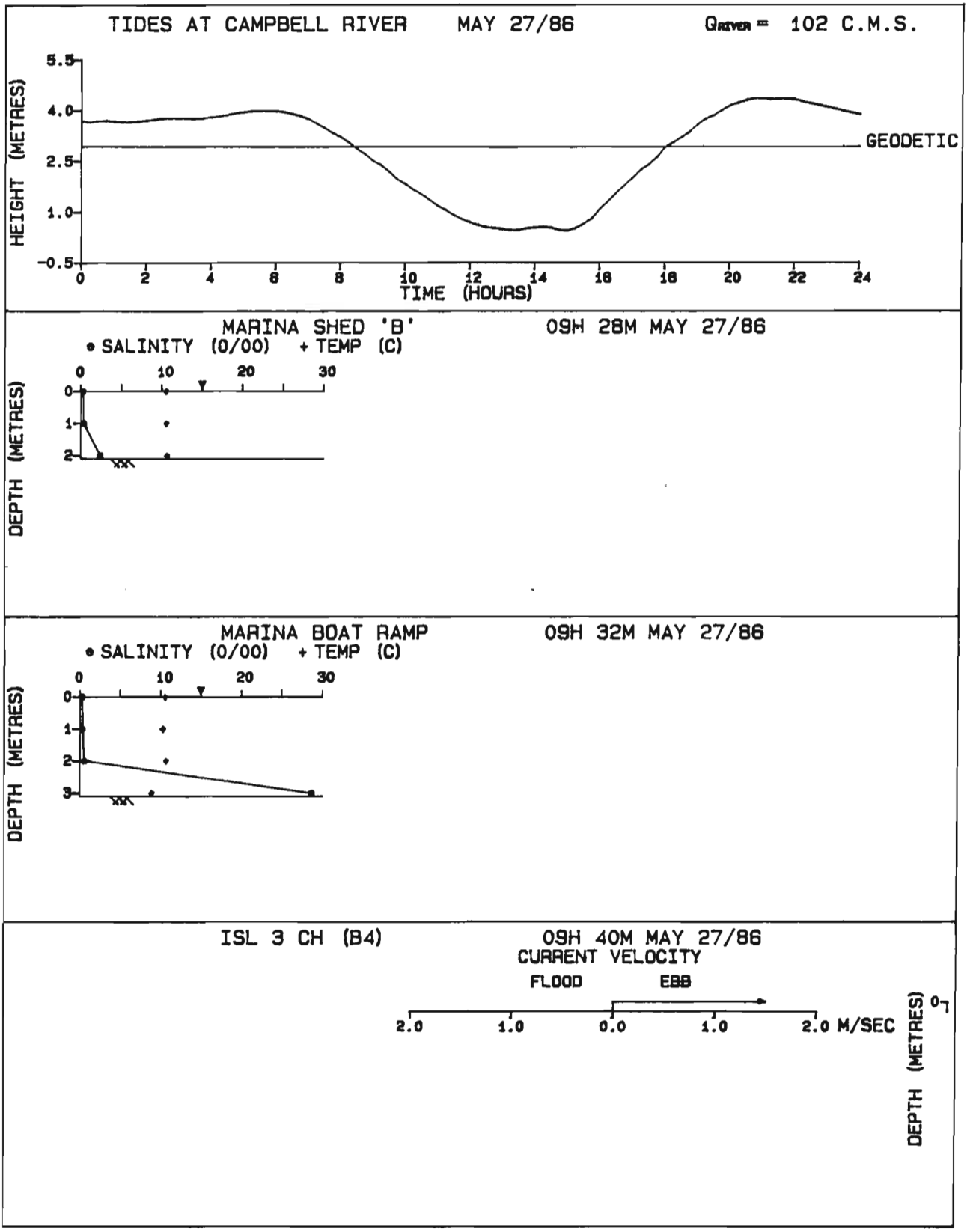
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



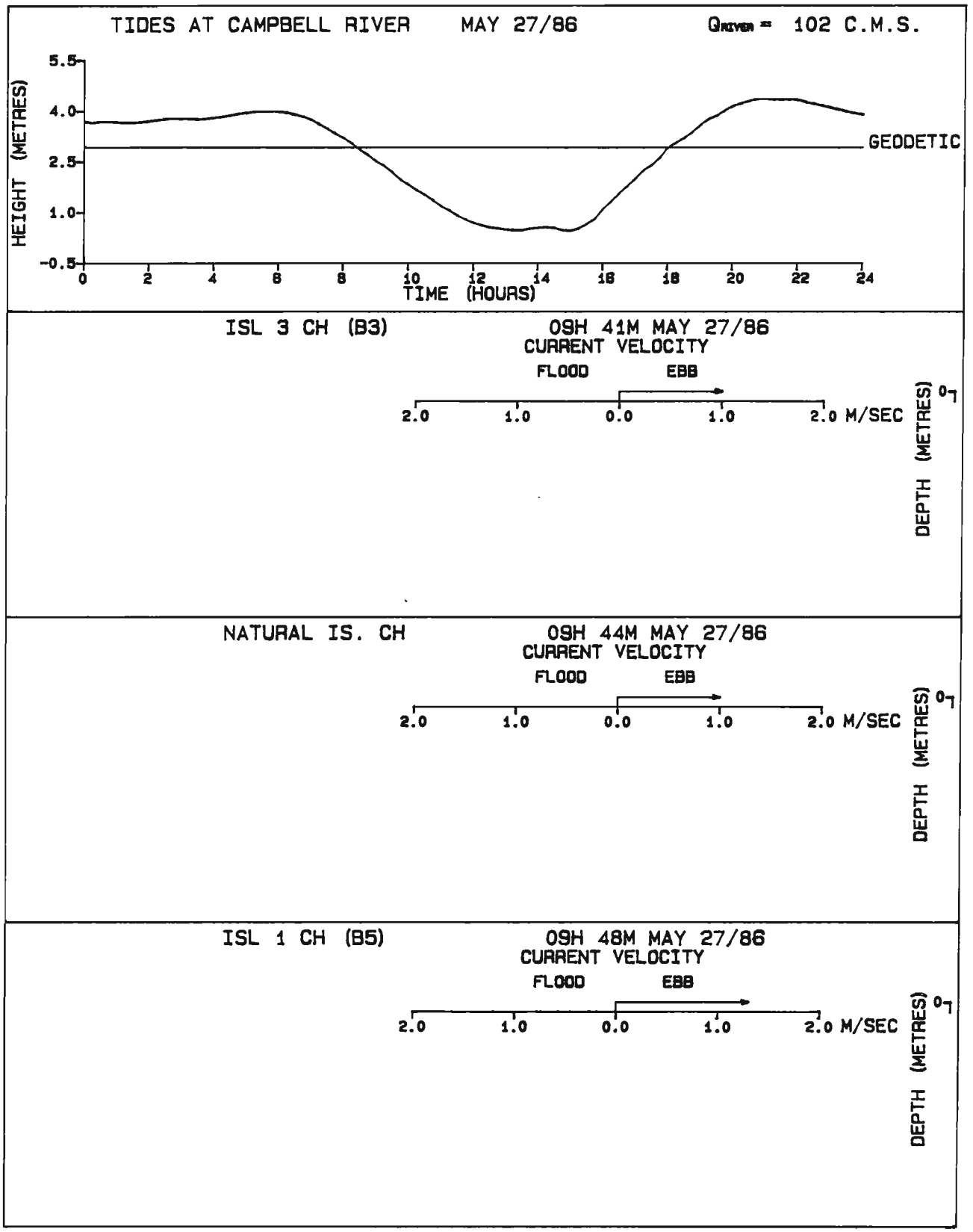
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



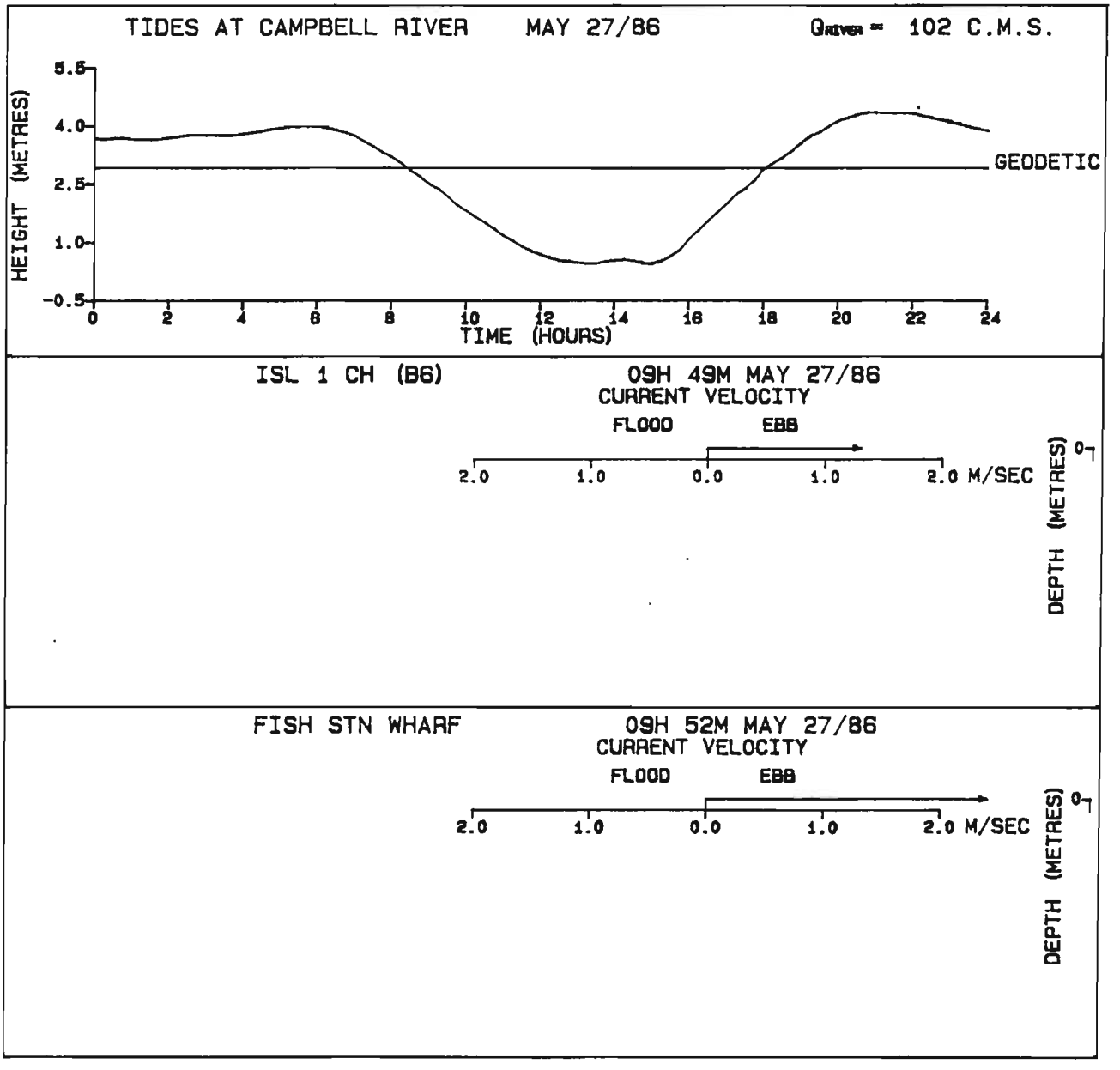
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



JUN 09/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
ISL#1 CHAN MID	08H 18M	.0	.00	12.8	.50	E
		.5	.00	12.8	.46	E
LOG BASIN	08H 25M	.0	3.54	13.1		
		1.0	8.84	12.3	.00	
		2.0	24.67	10.2	.00	
		3.0	28.08	9.3	.00	
		4.0	28.58	9.2	.00	
		5.0	28.58	8.9	.00	
		6.0	28.94	8.9		
NUN'S CREEK	08H 34M	.0	2.11	12.8		
		1.0	9.47	12.2		
		2.0	27.65	9.5		
		3.0	28.94	9.3		
		4.0	28.94	8.9		
		5.0	29.02	8.9		
		6.0	29.09	8.8		
		7.0	29.09	8.8		
		8.0	29.09	8.8		
		9.0	29.09	8.8		
		10.0	29.09	8.8		
		11.0	29.09	8.8		
NUN'S CREEK	08H 40M	.0			.00	
		1.0			.10	E
		2.0			.00	
		3.0			.00	
		4.0			.00	
		5.0			.00	
NUN'S ISLAND	08H 46M	.0	.96	12.9	.30	E
		1.0	5.93	12.7	.35	E
		1.5	13.87	11.8	.35	E
MOTHER RAMP	08H 52M	.0	2.40	13.2	.35	E
		1.0	4.31	12.5	.45	E
		2.0	27.65	9.5	.30	E
#1 RAMP	09H 02M	.0	.10	12.7	.25	E
		1.0	2.51	12.2	.35	E
		2.0	26.08	9.8	.20	E
TYEE PT	09H 07M	.0	.10	12.6		
		1.0	.14	12.5		
		2.0	1.02	12.5		
		3.0	15.20	11.2		
TYEE PT	09H 13M	.0			1.20	E

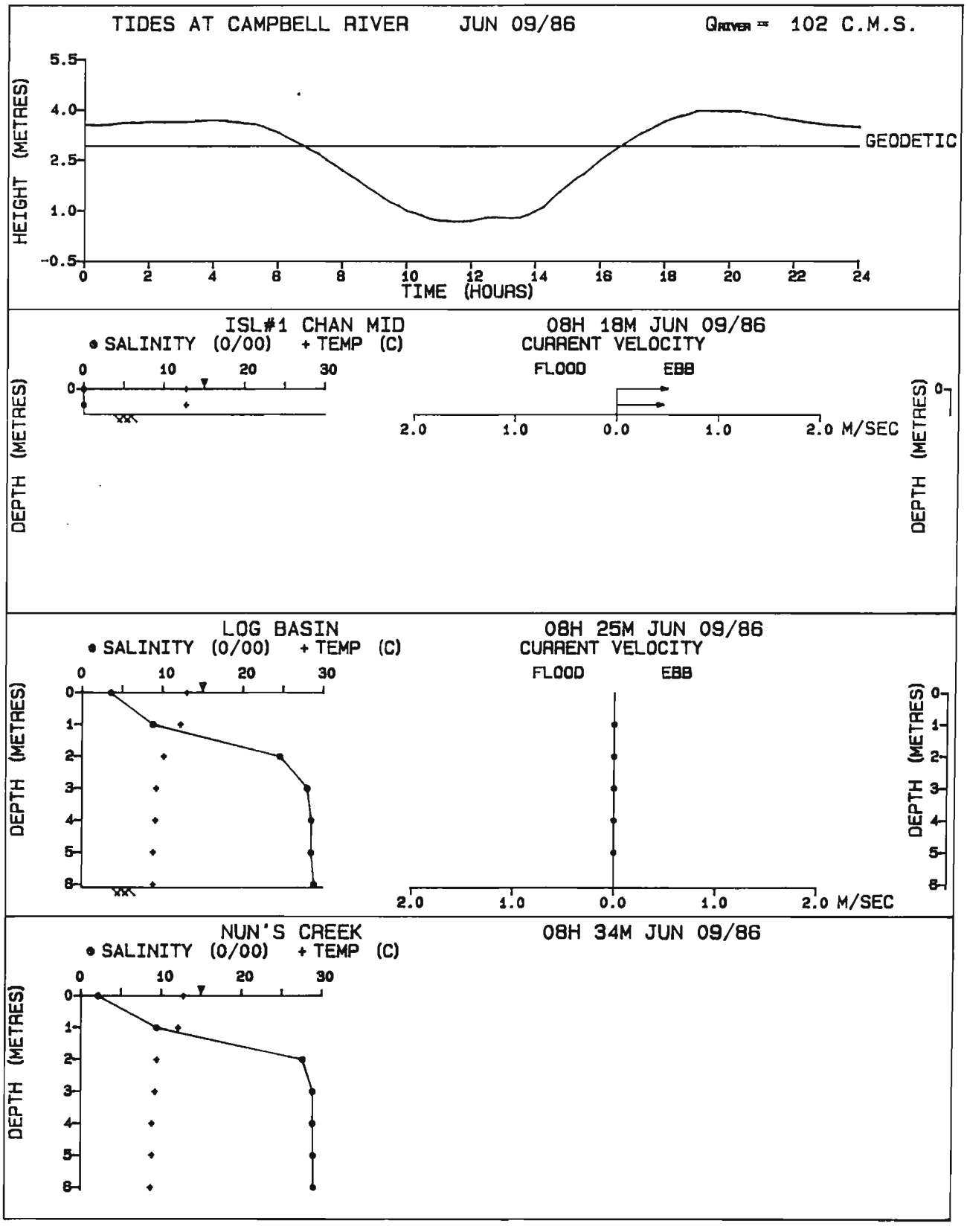
JUN 09/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
TYEE PT	09H 13M	1.0			1.10	E
		2.0			.90	E
		3.0			1.10	E
		4.0			.90	E
FISH STN -MID CH	09H 22M	.0	.00	12.8	1.25	E
		.5	.00	12.7	1.20	E
		1.0	.00	12.7	1.25	E
		2.0	.00	12.7	1.00	E
FISH STN 10M/W	09H 26M	.0			.85	E
		.5			.85	E
		1.0			.80	E
		2.0			.65	E
FISH STN 2M/W	09H 30M	.0			.55	E
		.5			.50	E
		1.0			.35	E
NBM MAIN-MID	09H 33M	.0			1.25	E
		.5			1.35	E
		1.0			1.20	E
		2.0			.95	E
NBM MAIN-2M/W	09H 36M	.0			.70	E
		.5			.60	E
NBM MAIN TIED/P	09H 38M	.0			.90	E
		.5			.90	E
		1.0			.90	E
		2.0			.75	E
NBM CHUTE	09H 55M	.0			1.30	E
		.5			1.30	E
AL'S FLOAT	09H 57M	.0			1.55	E
		.5			1.95	E
		1.0			1.80	E
NBM	10H 04M	.0	.65	14.4		
		1.0	1.02	13.2		
FISH STN -MID CH	10H 11M	.0			1.22	E
		.5			1.12	E
		1.0			.85	E
		2.0			.68	E
FISH STN 2M/W	10H 13M	.0	3.25			
		.5	2.68			

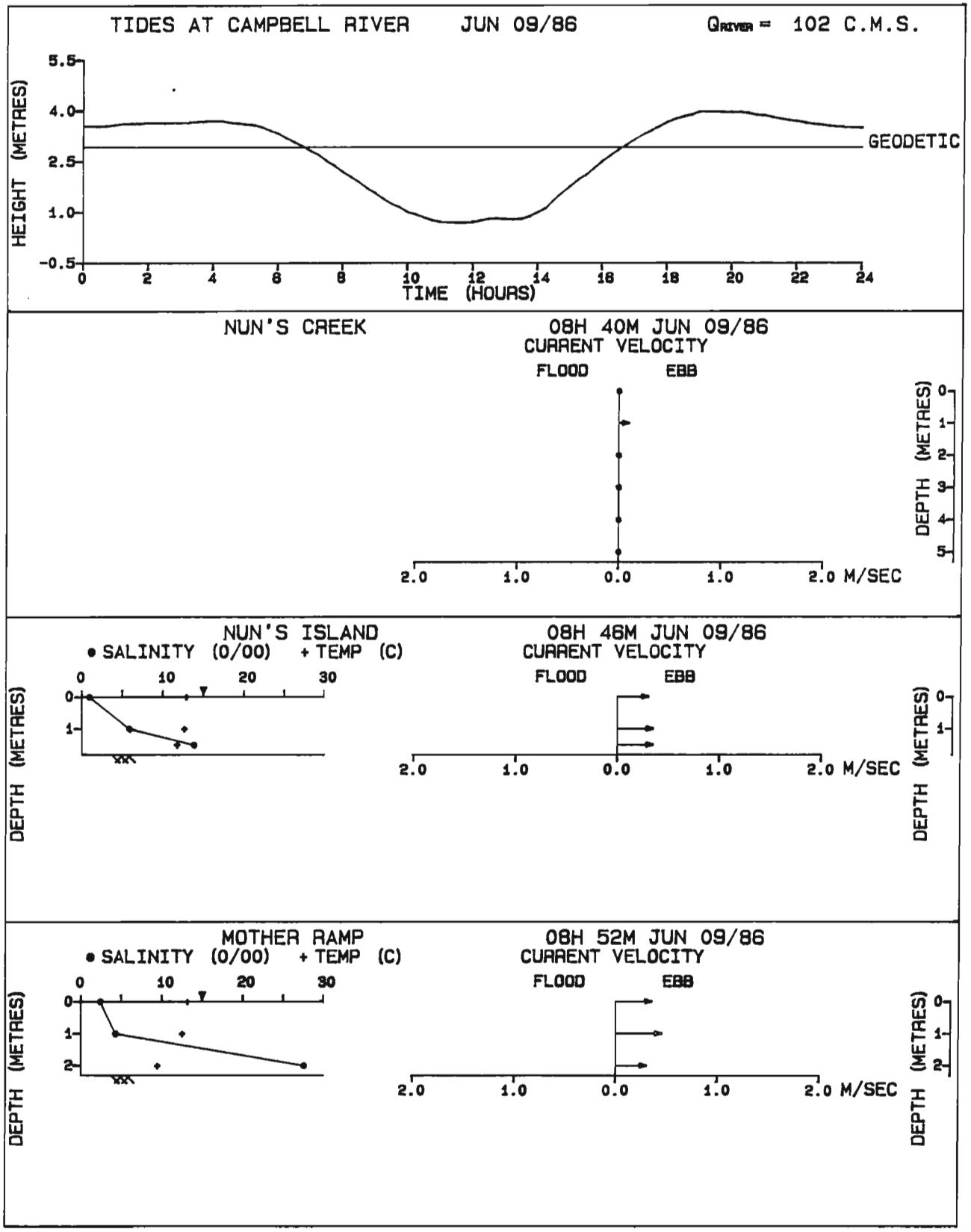
JUN 09/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
TYEE PT	14H 41M	.0	.14	13.1		
		1.0	.14	13.1		
		2.0	.60	13.0		
		2.3	1.56	12.9		
MOTHER RP-MID CH	14H 48M	.0	.14	13.4	.50	F
		1.0	1.02	13.4	.50	F
		2.0	5.93	12.9	.20	F
NUN'S ISL-MID CH	14H 54M	.0	.34	13.8	.50	F
		1.0	1.34	13.7	.45	F
		2.0	15.87	12.4	.00	
		3.0	23.40	10.9	.00	
GREAT WHITE	15H 00M	.0	1.18	13.8		
		.5	1.50	13.8		
NUN'S CREEK	15H 02M	.0	3.14	14.1		
		1.0	4.01	14.3		
		2.0	15.87	12.9		
		3.0	24.74	10.6		
		4.0	28.22	9.5		
		5.0	29.52	9.0		
		6.0	29.52	8.9		
LOG BASIN	15H 08M	.0	1.83	13.3	.30	F
		1.0	8.90	13.3	.24	F
		2.0	19.59	11.5	.00	
		3.0	23.05	10.8	.00	
		4.0	26.94	9.6	.00	
		5.0	28.80	9.0	.00	

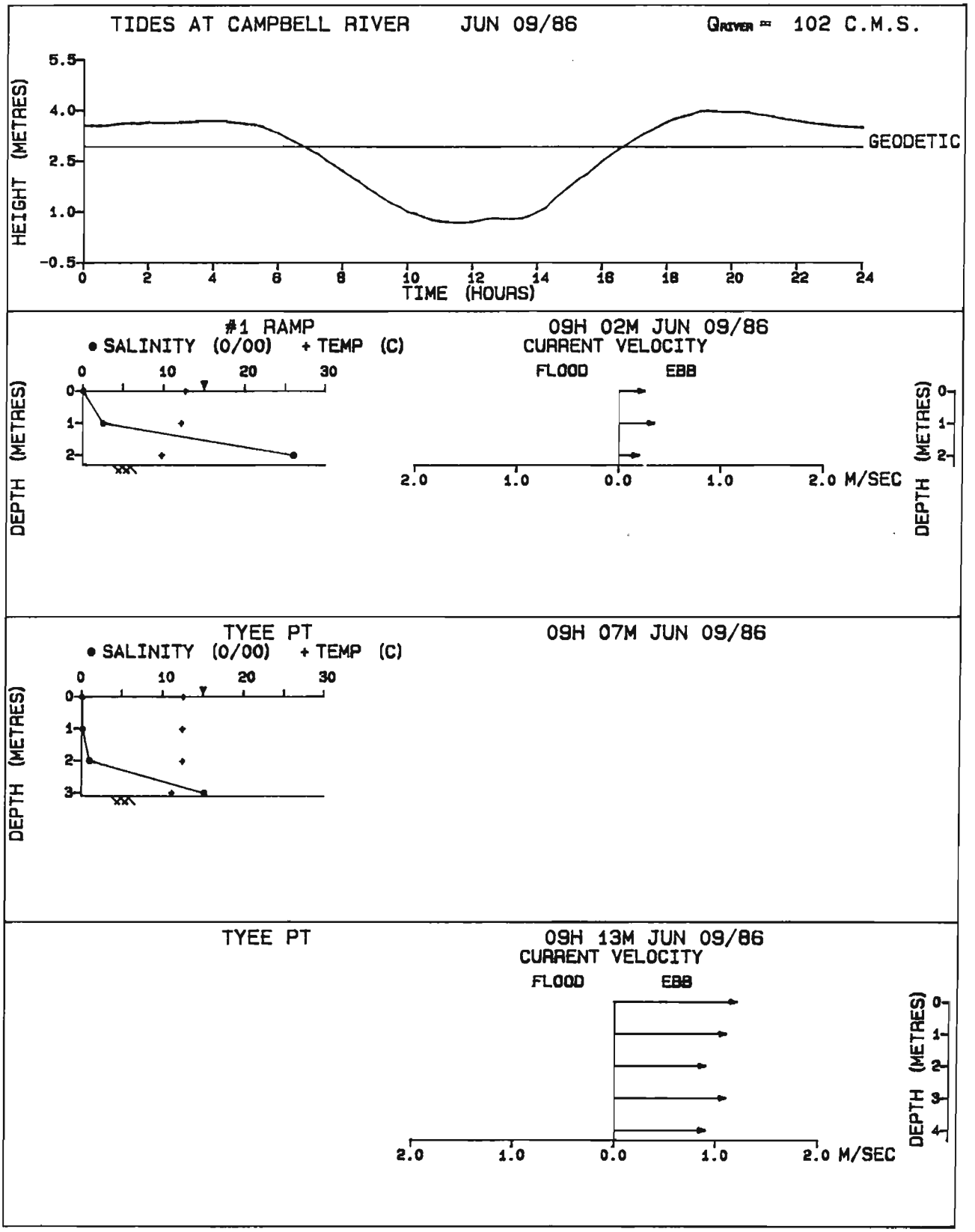
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



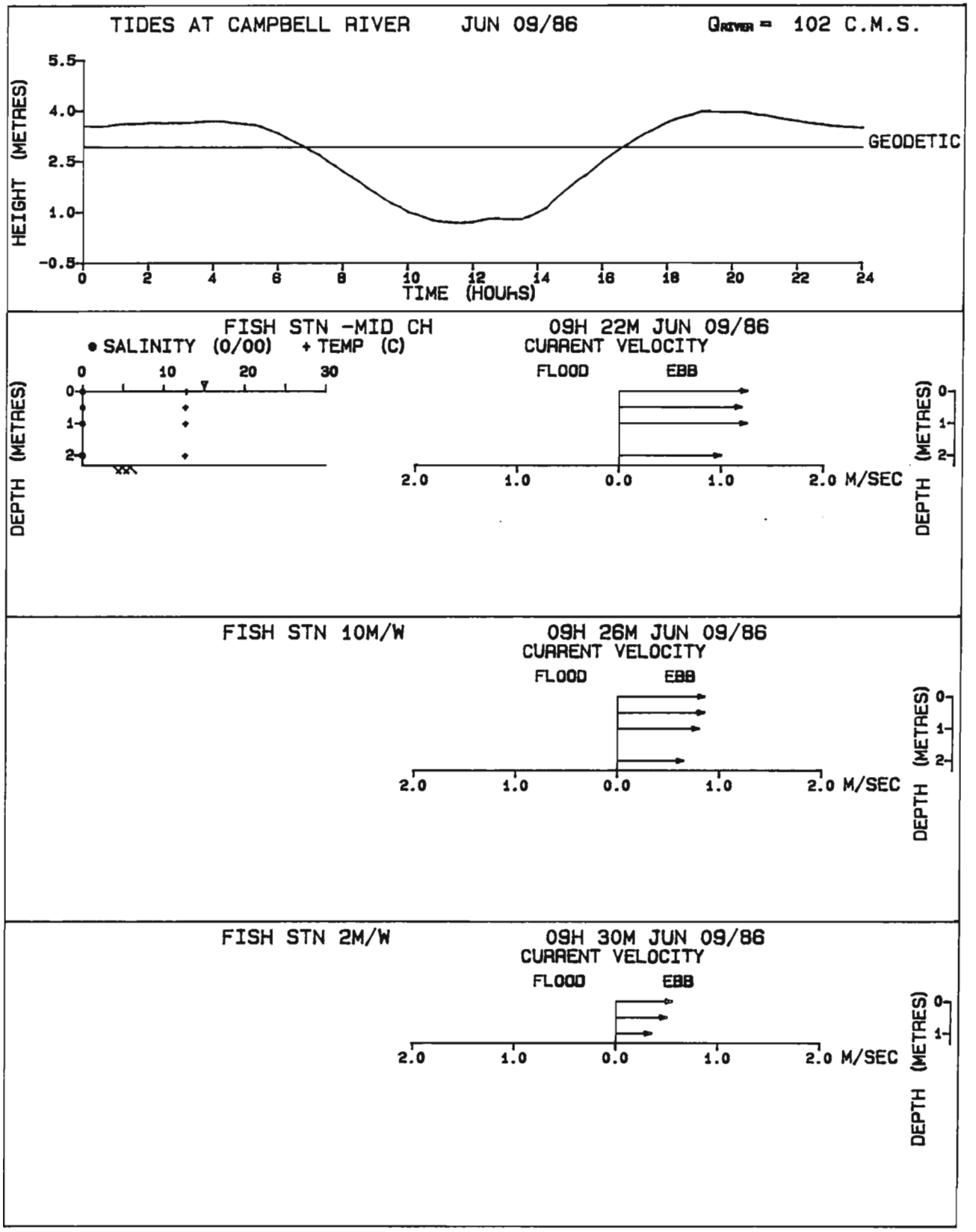
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



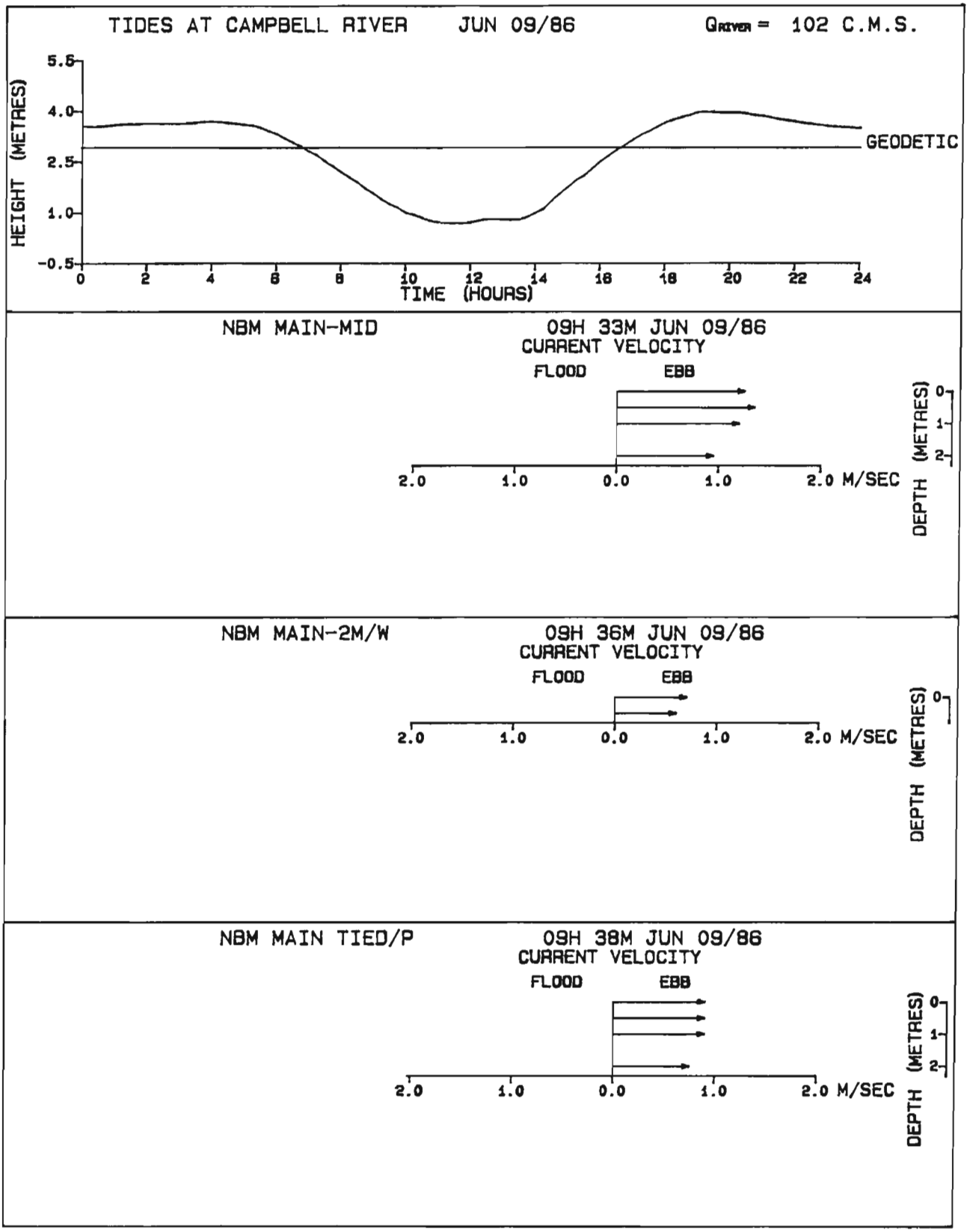
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



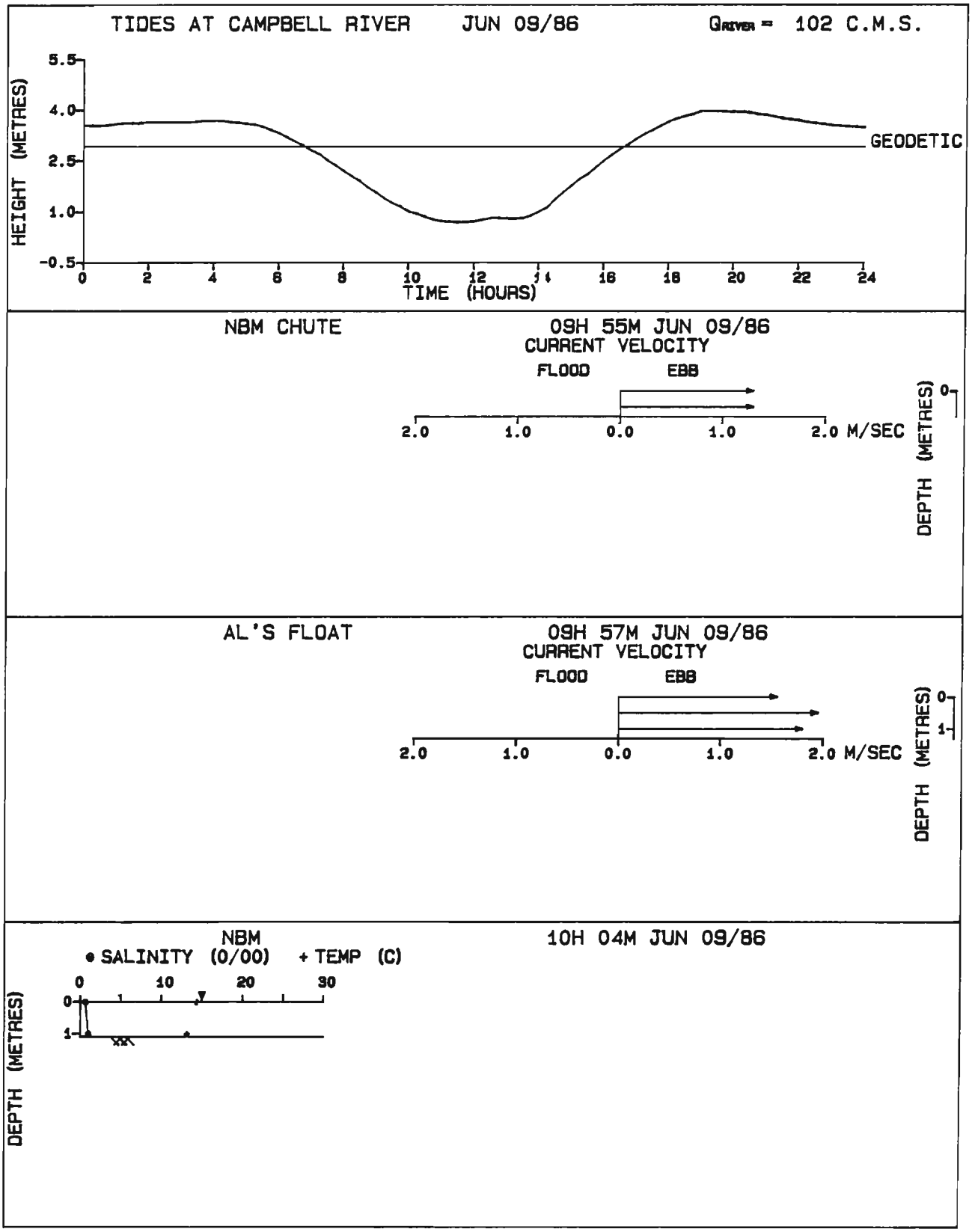
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



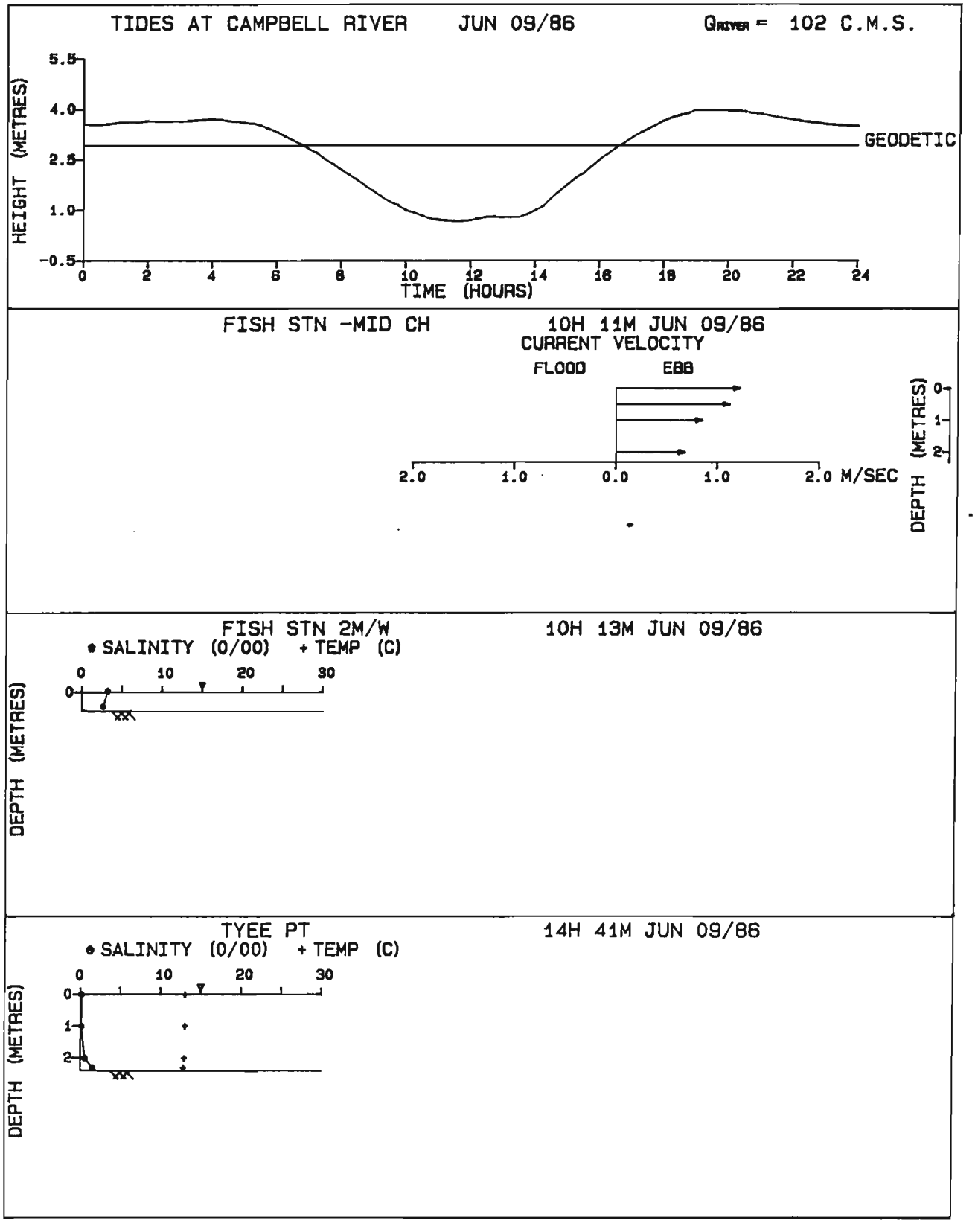
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



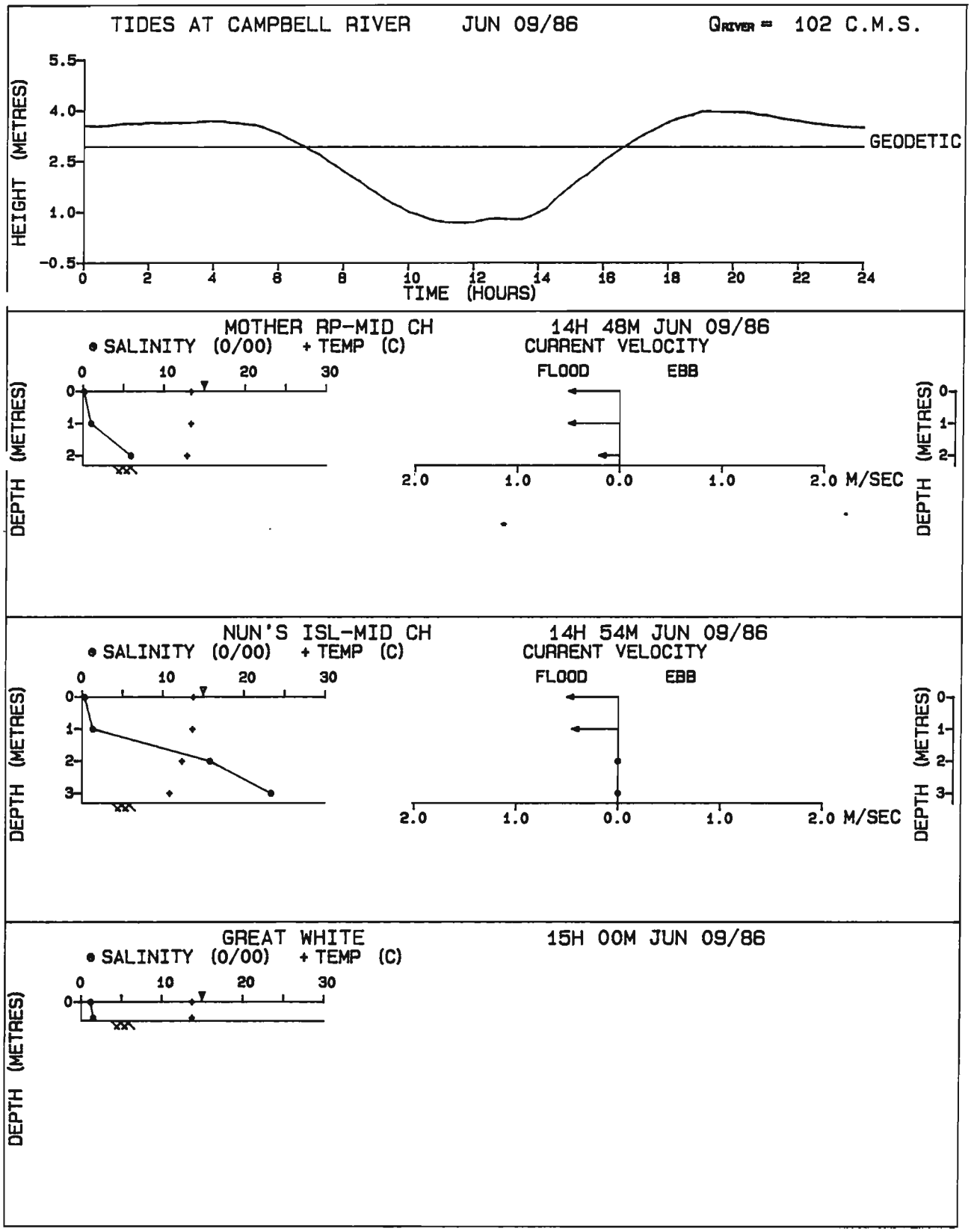
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



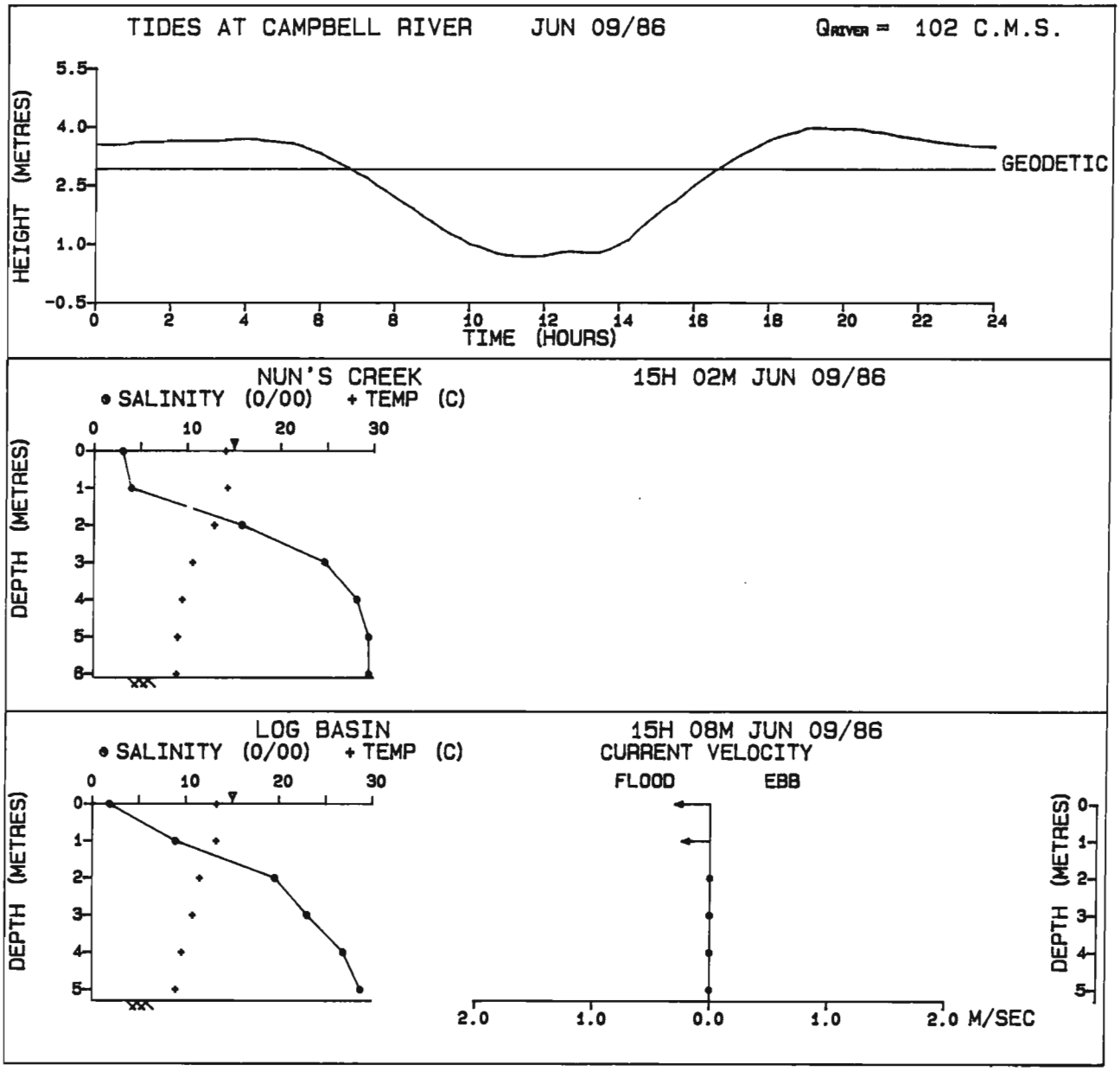
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



JUN 10/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
AL'S FLOAT-CHUTE	07H 32M	.0	.00	12.8	.40	E
		1.0	.00	12.7	.50	E
		2.0	.00	12.7	.50	E
NBM MAIN CH-MID	07H 37M	.0	.00	12.7	1.00	E
		1.0	.00	12.7	1.10	E
		2.0	.00	12.7	.95	E
		2.5			.55	E
		3.0	.00	12.7		
NBM MAIN CH-3M/P	07H 42M	.0			.60	E
		.5			.65	E
		1.0			.70	E
		2.0			.70	E
FISH STN WH-MID	07H 46M	.0	.14	12.7	1.20	E
		.5	.19	12.5		
		1.0	.14	12.7	.90	E
		2.0	1.02	12.6	.80	E
		3.0	19.52	10.7	.50	E
		4.0	29.45	9.0	.40	E
ISL#1 CHAN-(B6)	07H 54M	.0	.05	12.8		
		.5	.03	12.8		
		1.0	.03	12.8		
ISL#1 CHAN-(B5)	07H 56M	.0	.03	12.9	.60	E
		.5	.03	12.8		
		.8	.03	12.8		
GREAT WHITE	07H 58M	.0	.47	12.9		
		.5	1.67	12.9		
		1.0	3.02	12.8		
ISL#3 CHAN-(B3)	08H 03M	.0	.37	12.7		
		.5	.44	12.6		
		1.0	1.23	12.5		
		1.5	3.49	12.4		
TYEE PT	08H 21M	.0	1.67	12.6	.90	E
		.5	3.60	12.5		
		1.0	3.90	12.4	.80	E
		2.0	13.22	11.7	.75	E
		3.0	28.30	9.3	.40	E
		4.0	28.94	9.1	.30	E
		5.0	29.52	8.9	.20	E
RANGE MARKERS	08H 32M	.0	1.83	12.7	.95	E
		.5	1.83	12.6	.80	E

JUN 10/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
RANGE MARKERS	08H 32M	1.0	1.83	12.5		
GULF-MID CHAN	08H 44M	.0	.10	13.2	1.30	E
		.5	.29	13.0		
		1.0	.24	12.7	1.10	E
		2.0	.29	12.7	.90	E
		2.5	.29	12.5	.60	E
GULF-20M/PILINGS	08H 55M	1.5	.00			
		2.5	.00			
		3.3	.00			
GULF-MID CHAN	08H 56M	2.5	.49			
FISH STN-10M/W	08H 56M	.0	.14			
		1.0	.14			
		2.0	.34			
		3.0	.65			
FISH STN WHARF-P	08H 58M	.0	.00	12.7		
		1.0	.03	12.6		
		2.0	.03	12.6		
FISH STN WHARF	09H 00M	.0	.29	12.6		
		1.0	.29	12.6		
		2.0	.39	12.6		
		3.0	.49	12.6		
PARKING LOT PT	09H 03M	.0	.60	12.7		
		1.0	.60	12.7		
		2.0	.67	12.7		
BARGE RAMP	09H 04M	.0	.02	12.6		
		1.0	.02	12.6		
		1.5	.02	12.6		
NBM MAIN CH-MID	09H 05M	.0	.14	12.5		
		1.0	.24	12.5		
		2.0	.24	12.5		
NBM MAIN-10M/P	09H 07M	.0	.02	12.6		
		1.0	.02	12.6		
		2.0	.02	12.5		
		2.5	.02	12.5		
FISH BARGE-MID	09H 09M	.0	.00	12.5		
		1.0	.02	12.5		
		2.0	.07	12.5		

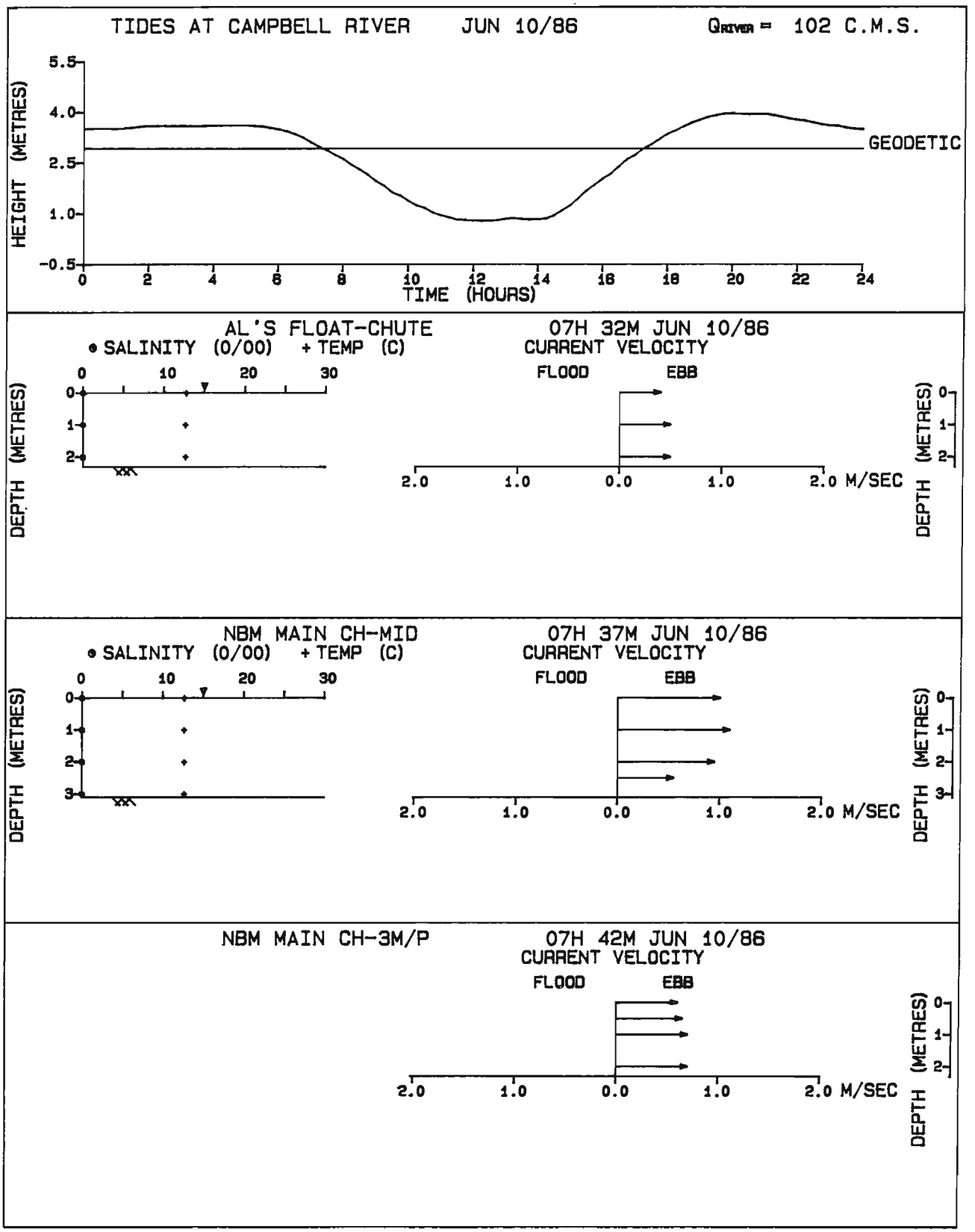
JUN 10/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
FISH BARGE-10M/P	09H 10M	.0	.00	12.5		
		1.0	.00	12.5		
SBM MID	09H 13M	.0	.29	13.0		
		.5	.65	13.0		
SBM	09H 15M	.0	.29	13.1		
		.5	.96	13.2		
NBM -MID SLOUGH	09H 18M	.0	.70	13.3		
		.5	.85	13.2		
		1.0	1.07	13.1		
		1.5	1.29	13.1		
		1.6	2.68	12.9		
NBM SHEARLINE	09H 20M	.0	.54			
		.5	.60			
		1.0	.73			
NBM MAIN-SHEAR	09H 21M	.0	.10			
		.5	.07			
		1.0	.10			
		2.0	.10			
NBM-TUG TURN	09H 23M	.0	.49	13.3		
		.5	.57	13.2		
		1.0	.70	13.2		
		2.0	25.87	10.4		
TYEE PT	09H 30M	.0	.39	12.5	1.00	E
		.5	.19	12.5		
		1.0	1.56	12.5	.95	E
		2.0	2.97	12.5	.80	E
		3.0	5.63	12.3	.60	E
		3.5	19.59	11.0		
RANGE MARKERS	09H 41M	.0	.29	12.7		
		.5	.32	12.6		
RANGE MARKERS	09H 42M	.0	.10	12.5		
		.5	.10	12.5		
		1.0	.10	12.5		
RANGE MARKERS*	09H 43M	.0			1.20	E
		1.0			1.00	E
GULF/12M BULK	09H 48M	.0	.39	12.5	1.20	E
		.5	.42	12.5		
		1.0	.42	12.5	1.20	E

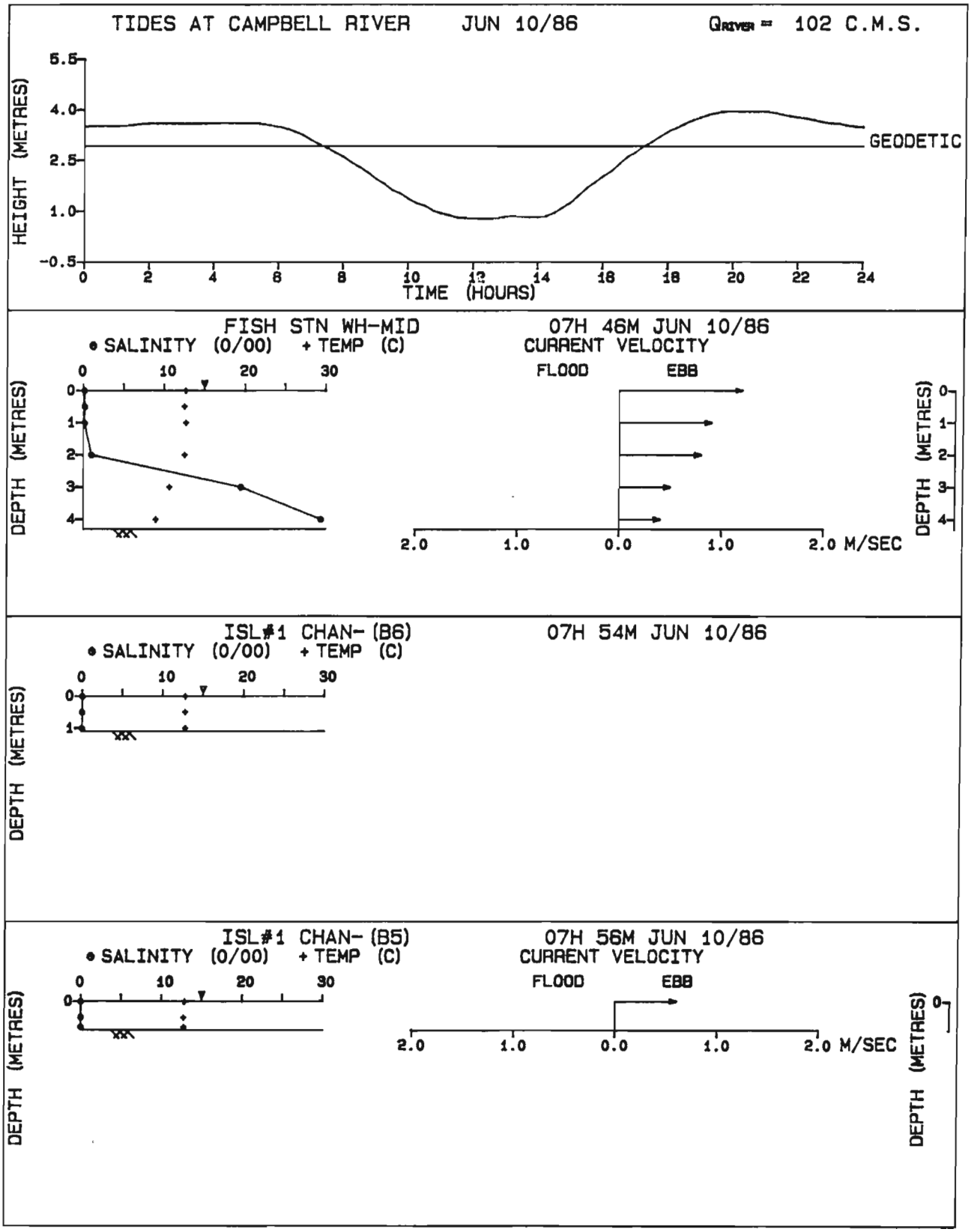
JUN 10/86 RIVER DISCHARGE = 102 CU.M/SEC

LOCATION	TIME (PST)	DEPTH (M)	SALINITY (0/00)	TEMPERATURE (C)	SPEED (M/S)	FLOOD OR EBB
GULF/12M BULK	09H 48M	1.5	.44	12.5	1.00	E
GULF-20M/PILINGS	09H 50M	.0	.03	12.5	1.00	E
		.5	.02	12.5		
		1.0	.02	12.5	1.10	E
		2.0	.02	12.5	.85	E
		3.0	.02	12.5	.90	E
FISH STN WHARF	09H 54M	.0	.34	12.6	1.10	E
		.5	.44	12.6		
		1.0	.44	12.5	1.20	E
		2.0	.42	12.5		
		2.5	.42	12.5	.90	E
NUN'S CREEK	10H 11M	.0	1.89	13.6		
		.5	2.68	13.2		
		1.0	17.14	11.5		
		2.0	26.58	9.7		
		3.0	28.58	9.3		
		4.0	28.58	9.0		
		5.0	29.23	8.8		
		6.0	29.23	8.8		
		7.0	29.30	8.8		
		8.0	29.30	8.7		
		9.0	29.45	8.7		
		10.0	29.52	8.7		
		11.0	29.67	8.6		
		12.0	29.67	8.6		
LOG BASIN	10H 23M	.0	8.59	12.8		
		1.0	16.87	11.5		
		2.0	26.37	9.6		
		3.0	28.73	9.2		
		4.0	28.94	9.0		
NUN'S ISLAND	10H 28M	.0	.96	13.1		
		.5	2.40	13.2		
		1.0	11.91	11.4		
		1.5	13.87	9.8		
MOTHER RAMP	10H 32M	.0	1.89	13.5		
		.5	3.95	13.5		
		1.0	15.60	11.7		
		1.5	25.87	9.8		
#1 RAMP	10H 36M	.0	.75	13.0		
		.5	1.23	13.0		
		1.0	3.54	13.2		
		1.5	22.49	10.4		

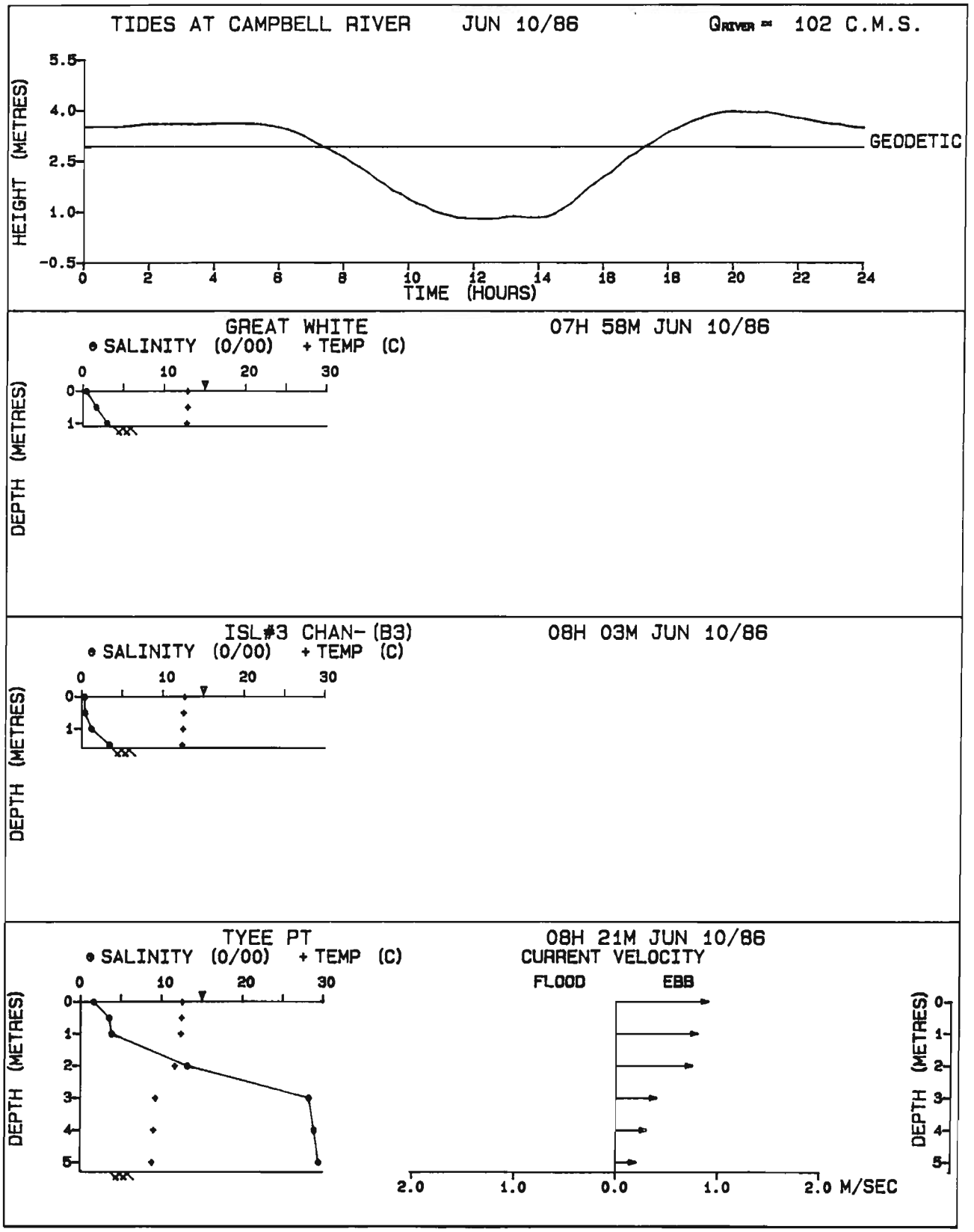
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



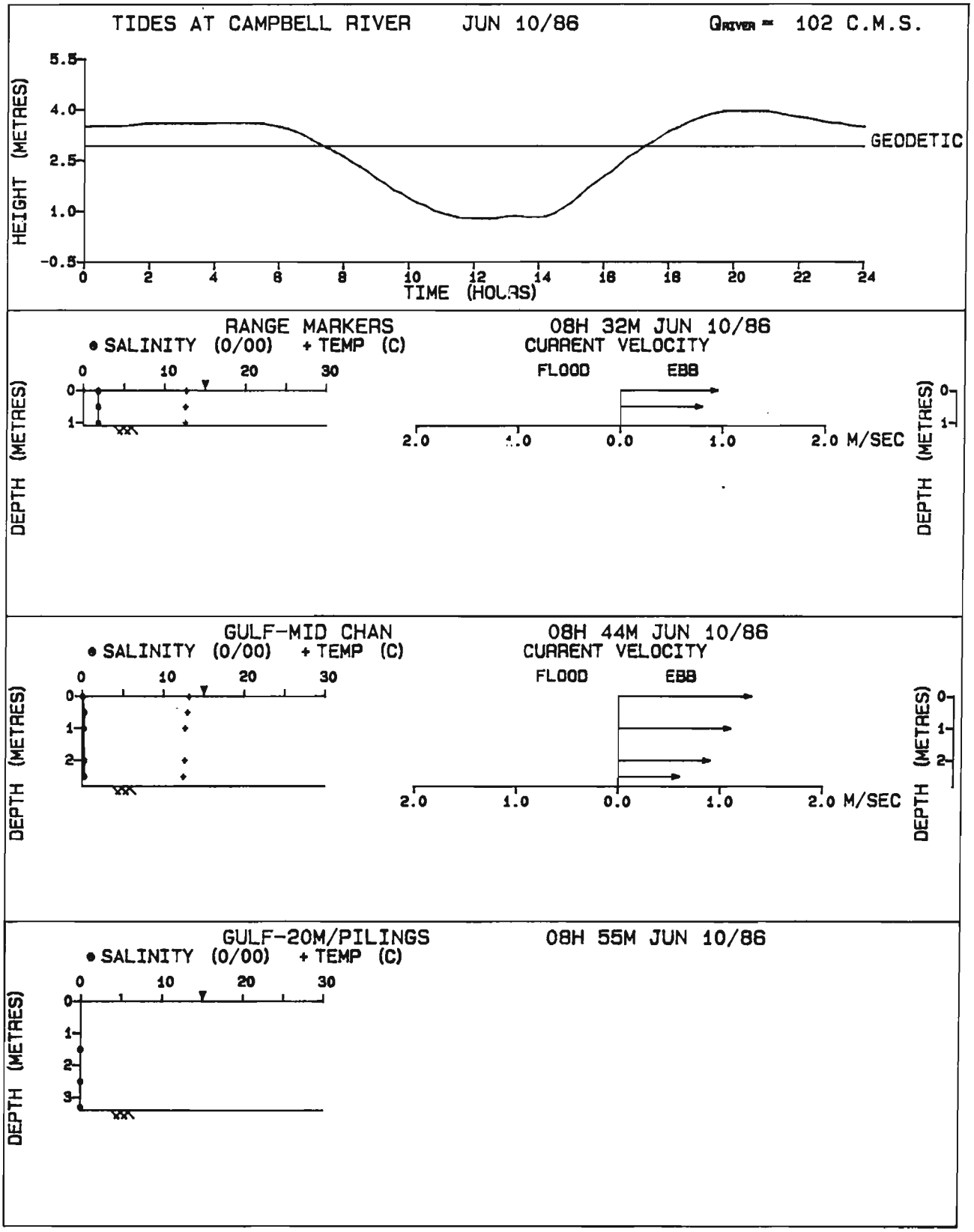
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



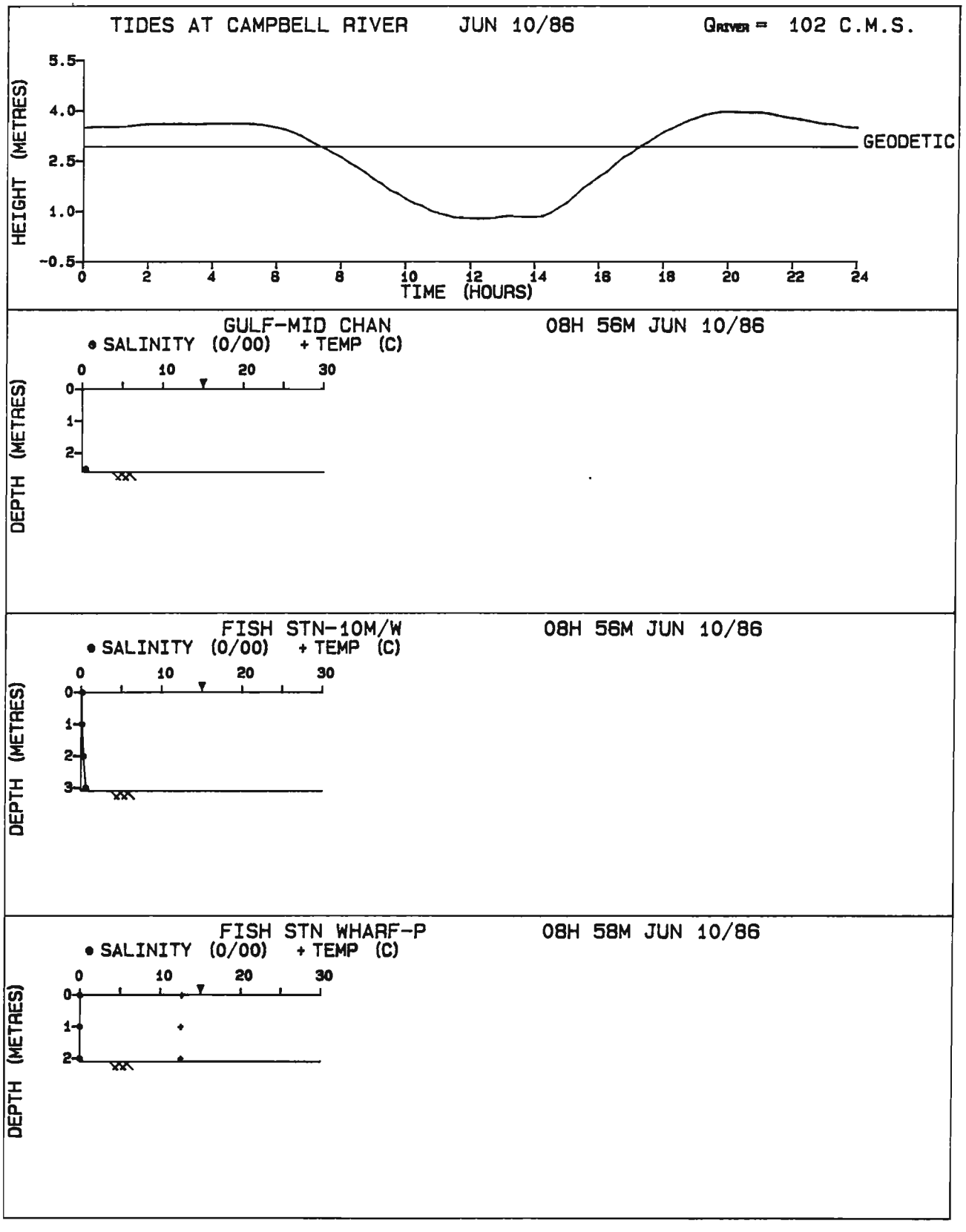
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



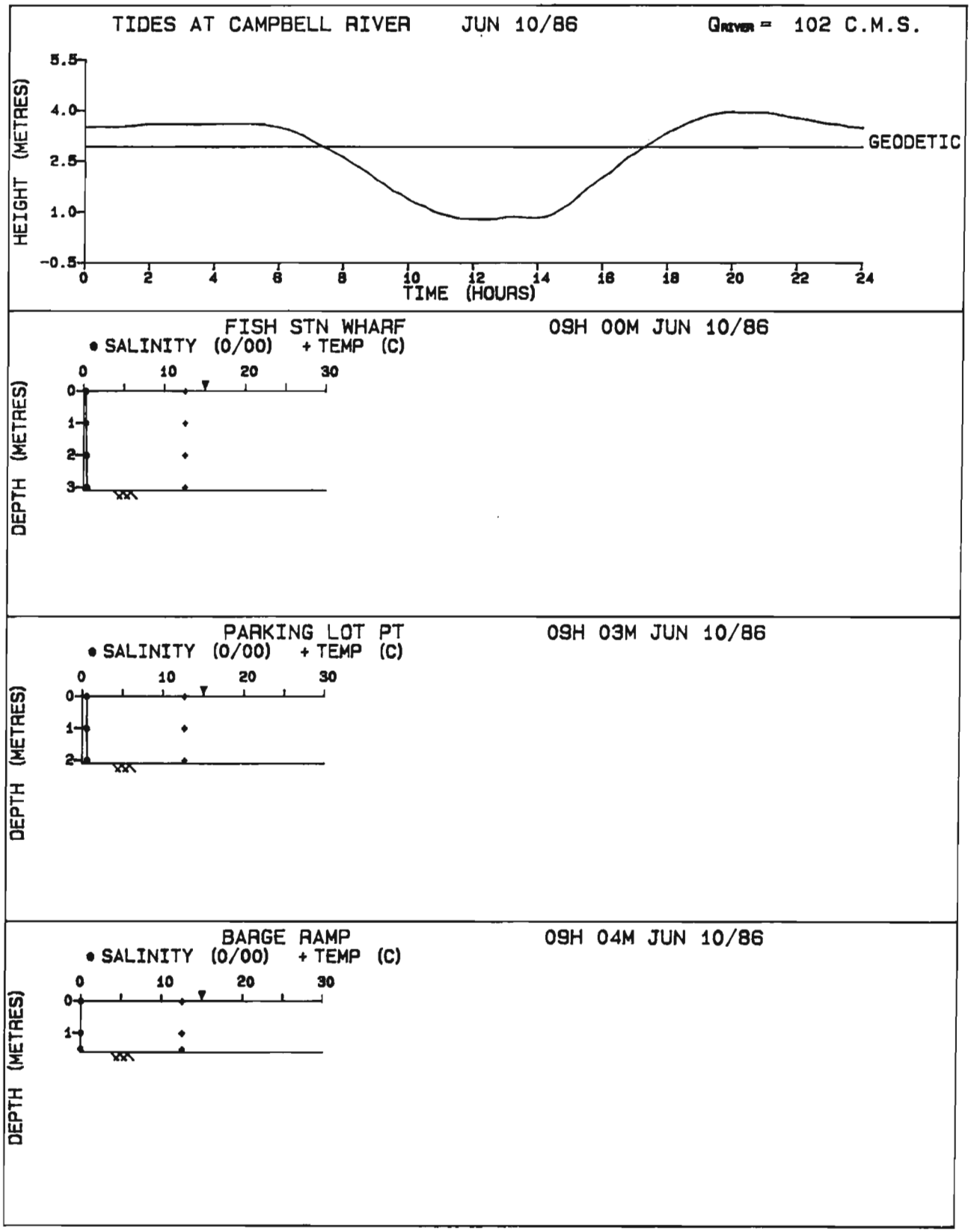
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



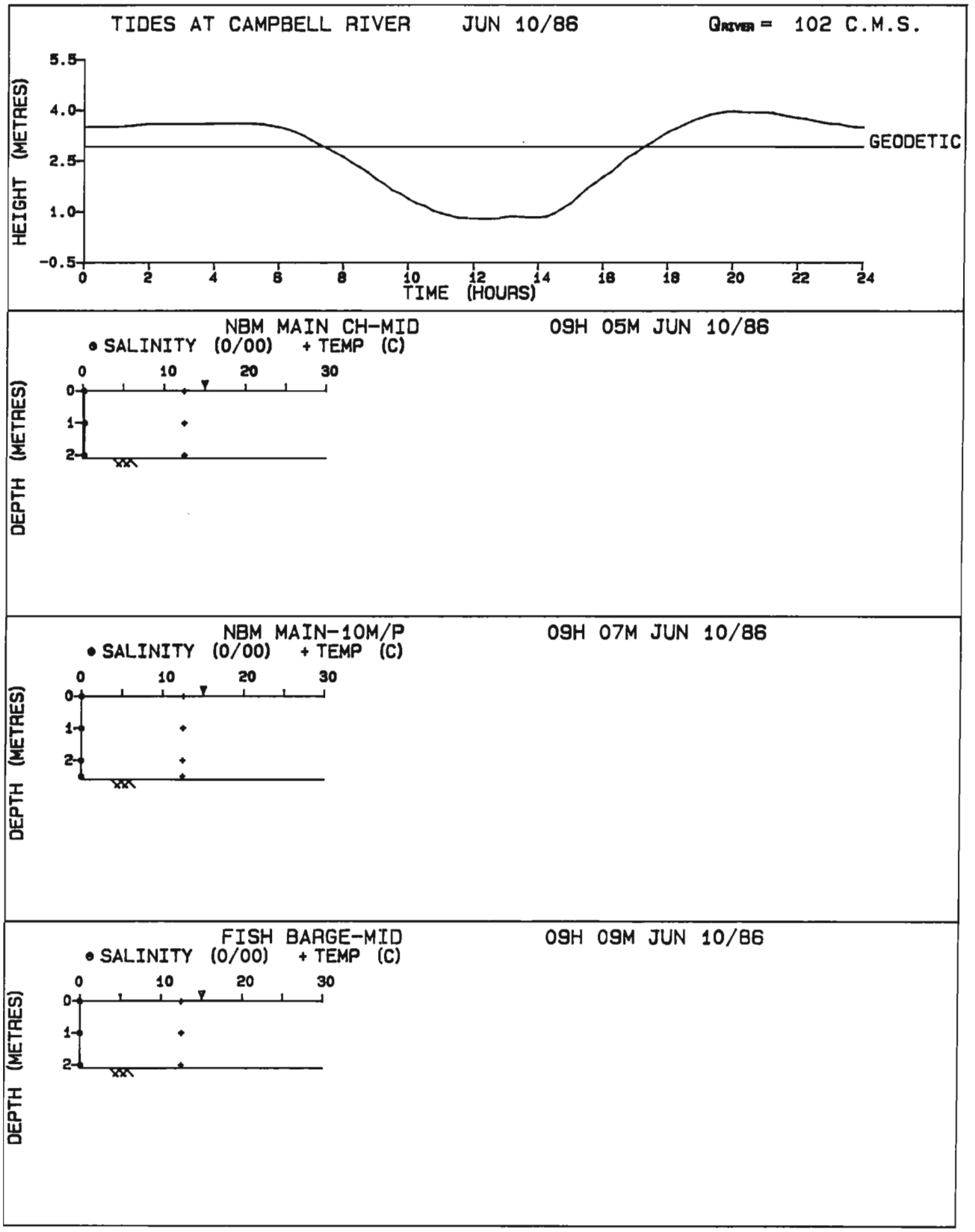
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



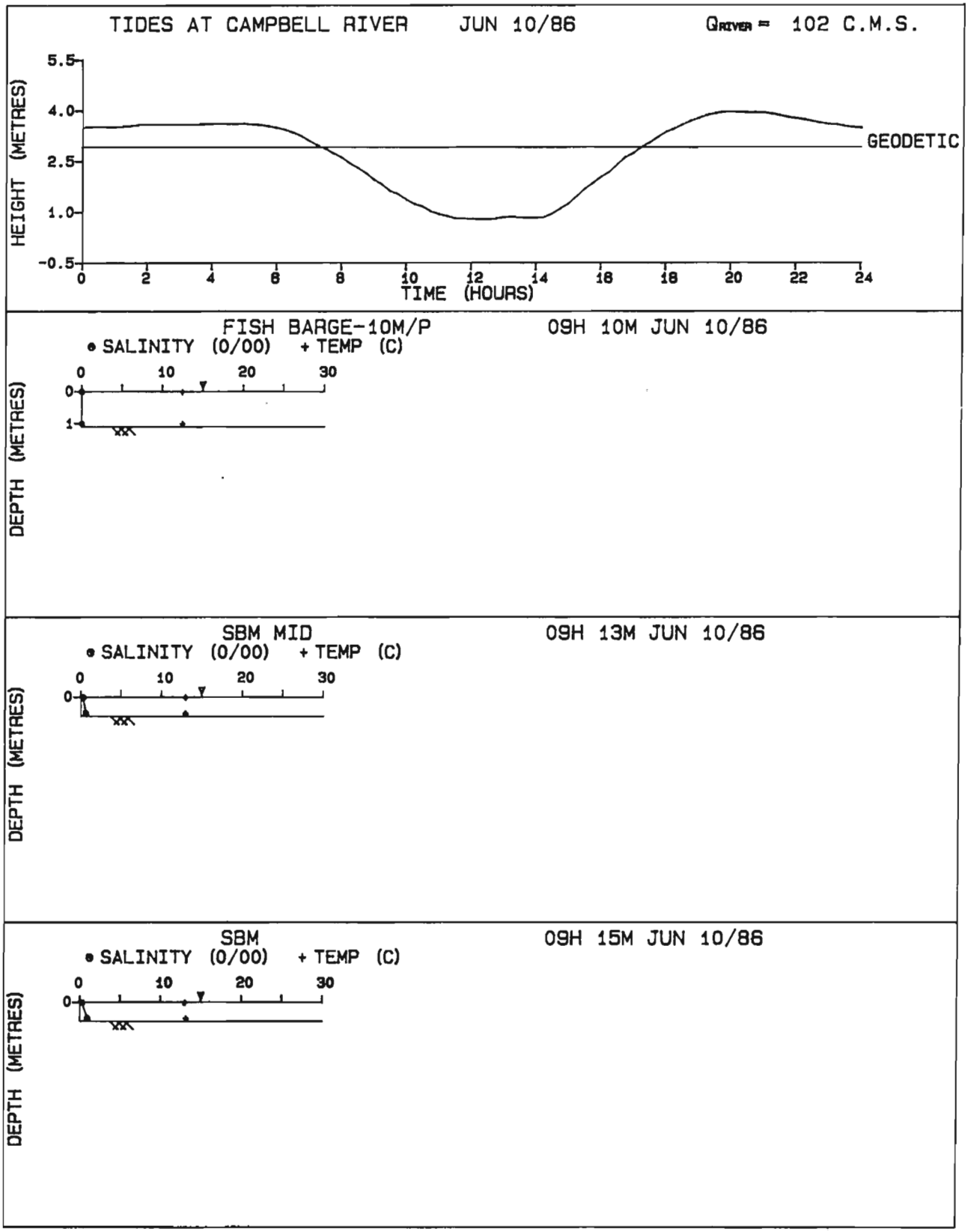
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



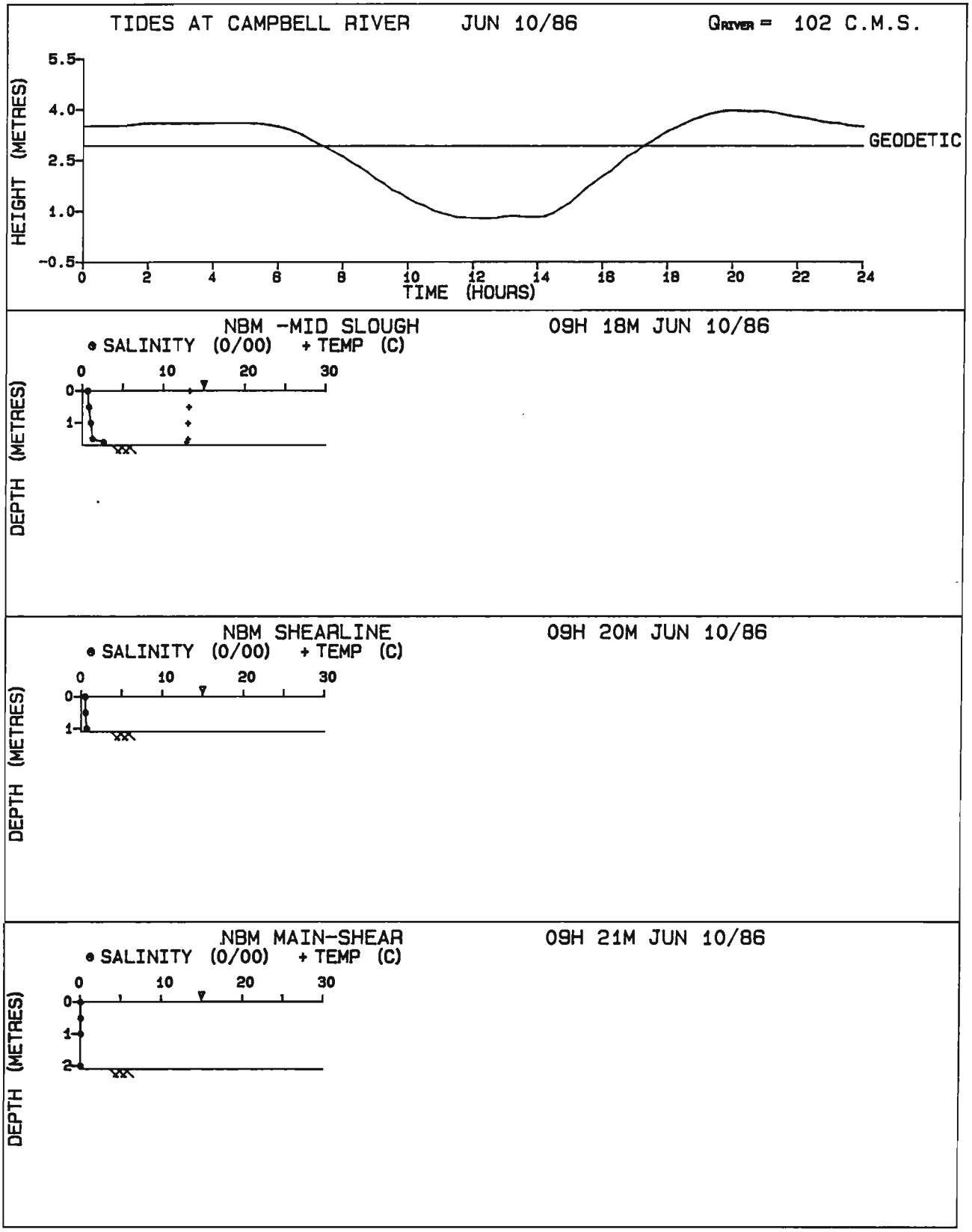
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



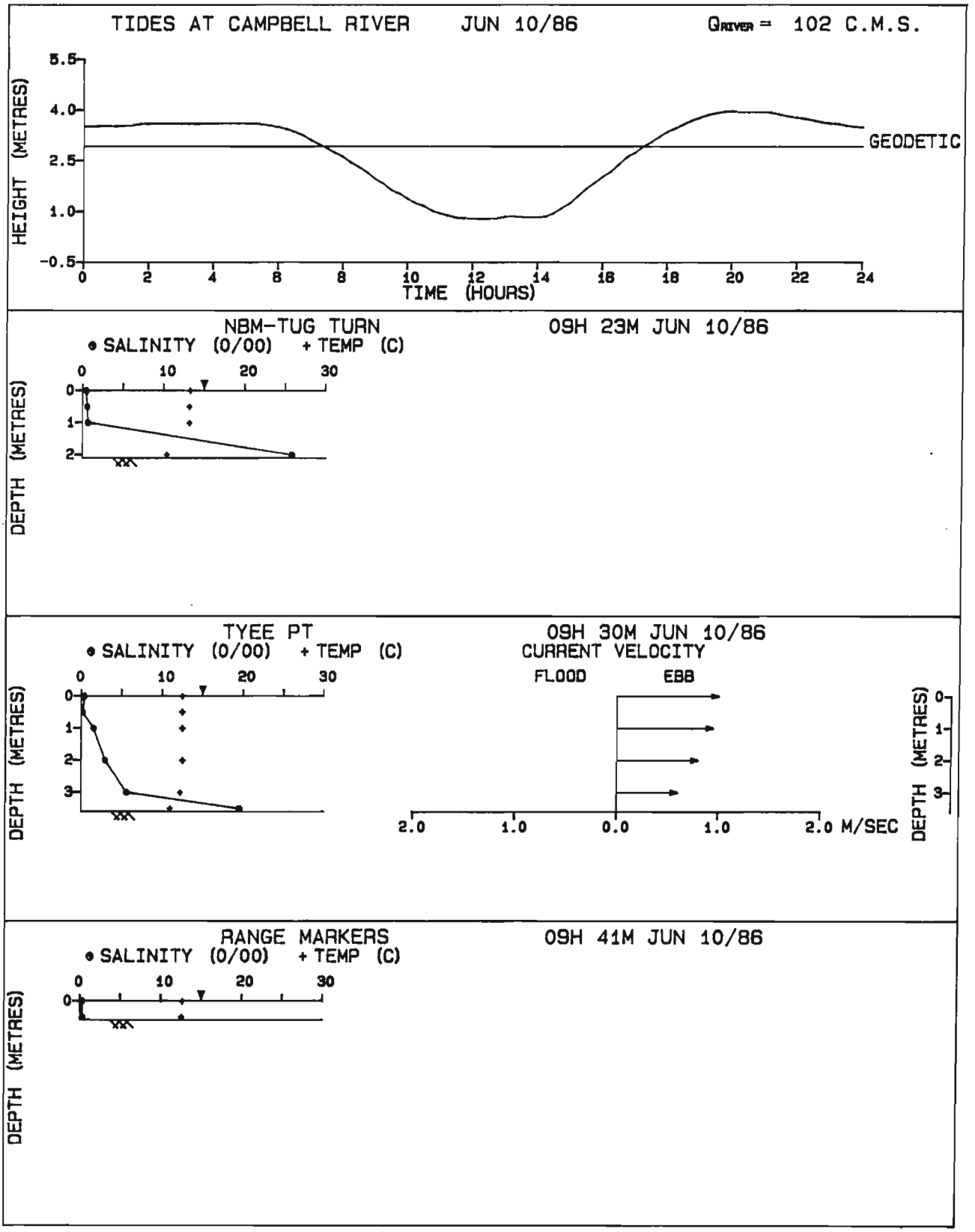
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



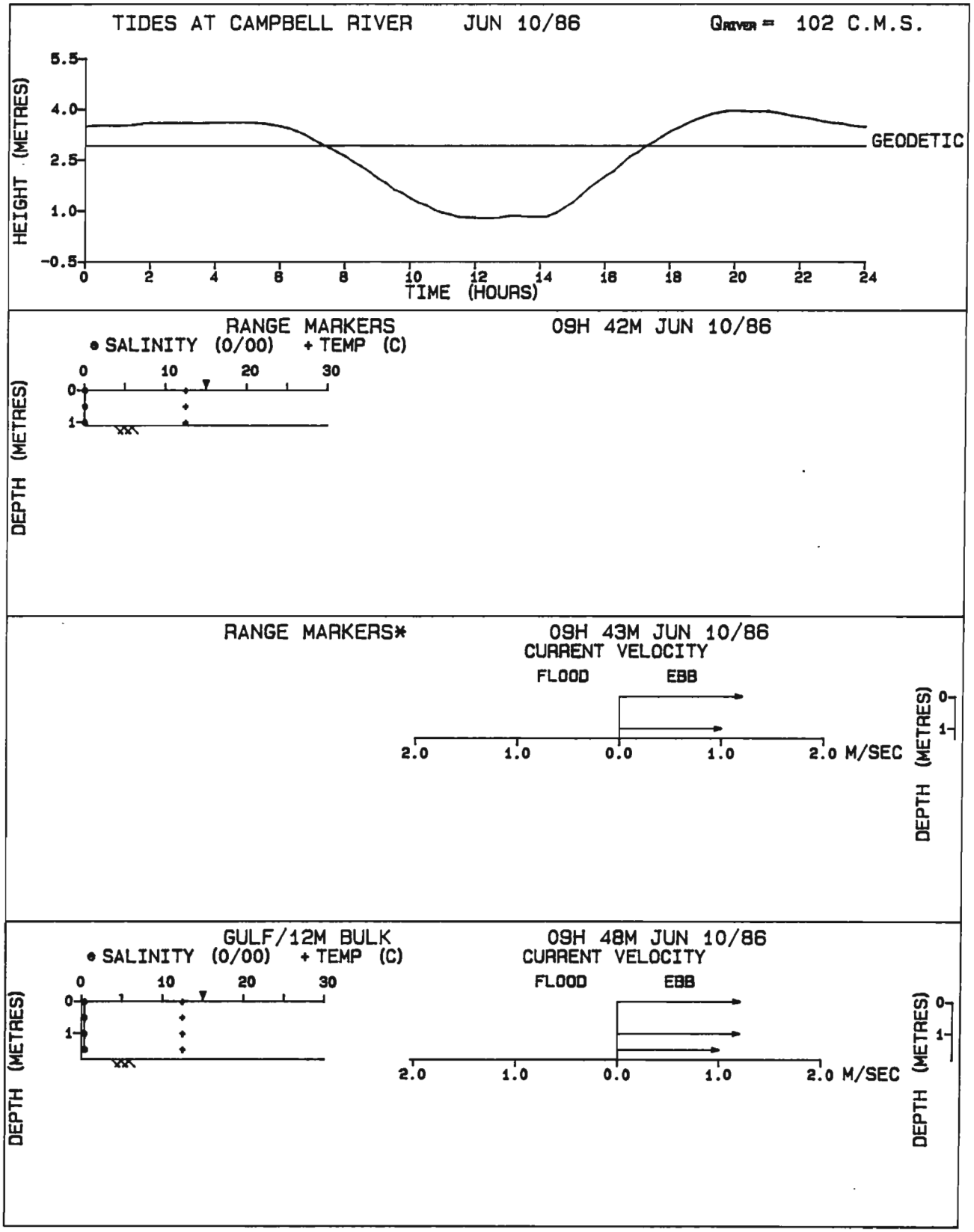
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER



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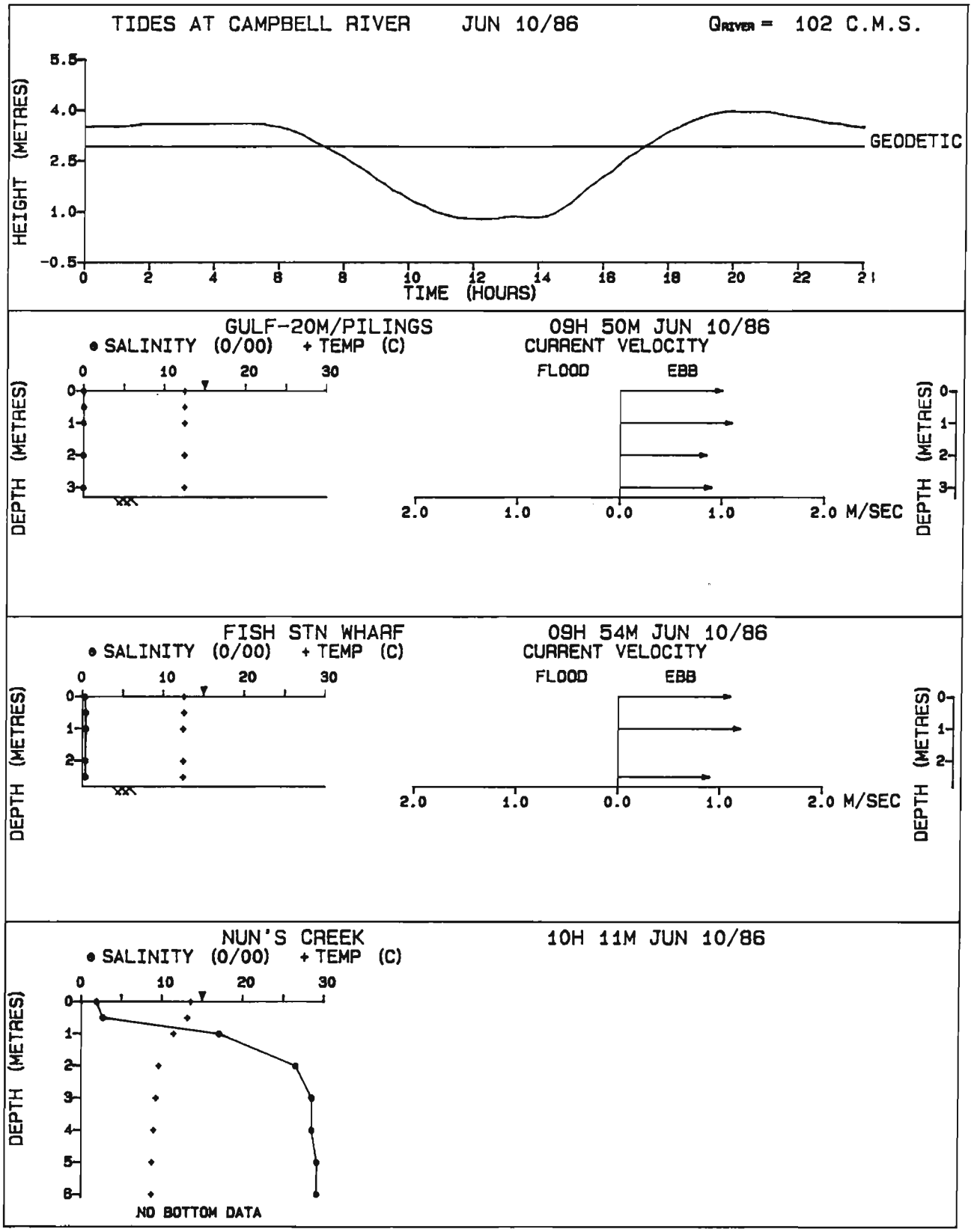

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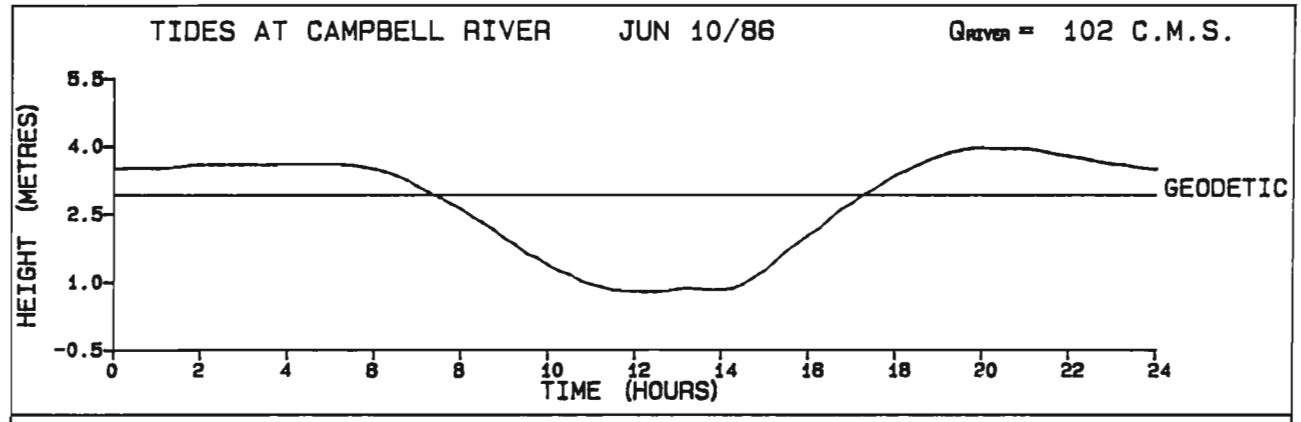

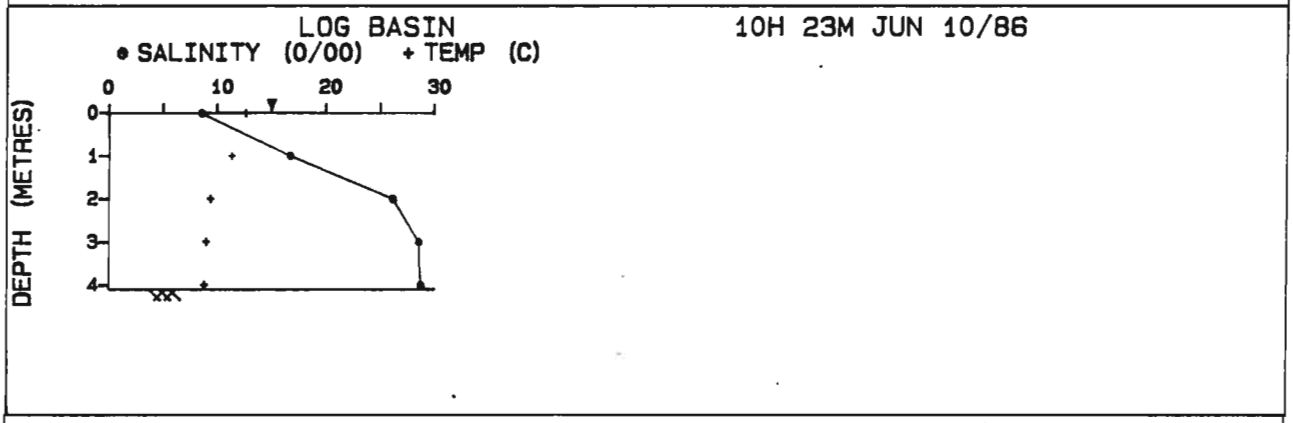

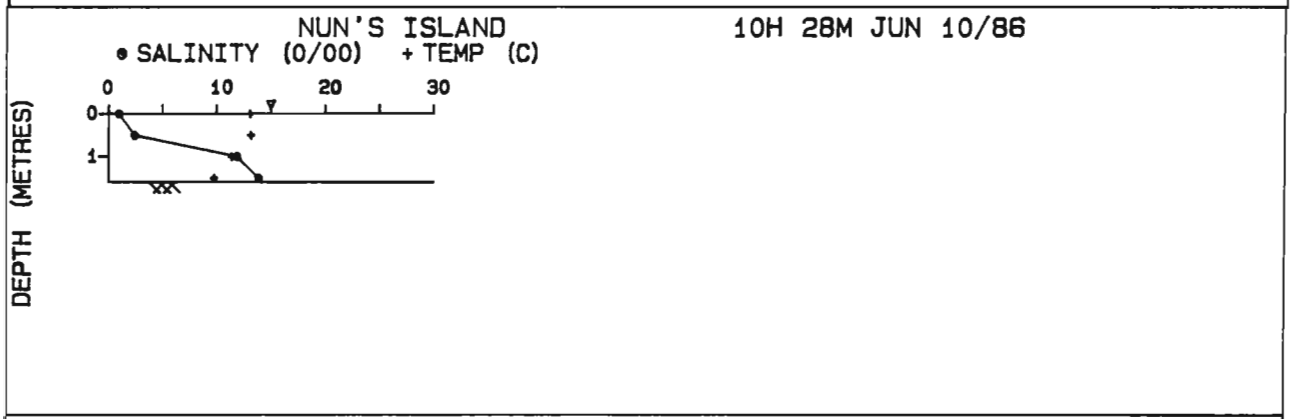

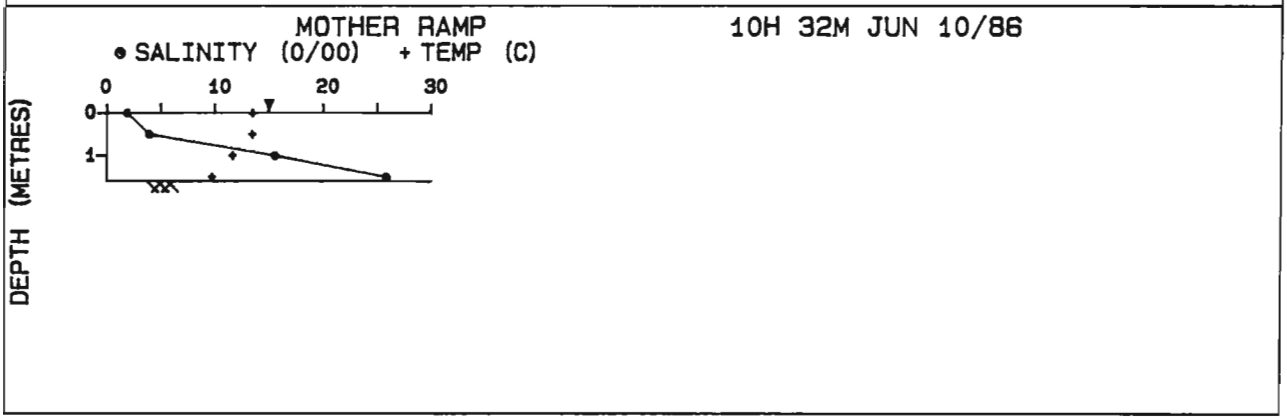
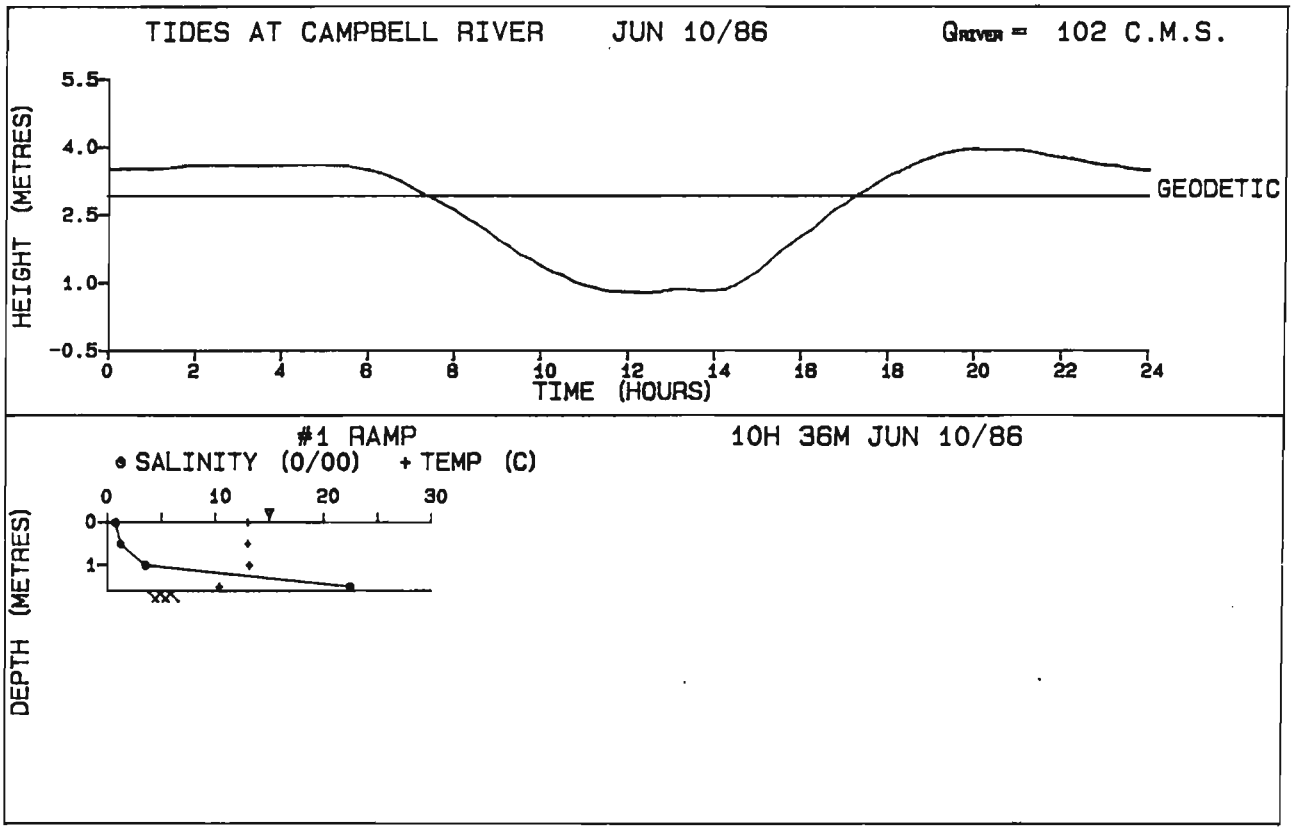
SALINITY, TEMPERATURE & CURRENT MEASUREMENTS AT CAMPBELL RIVER