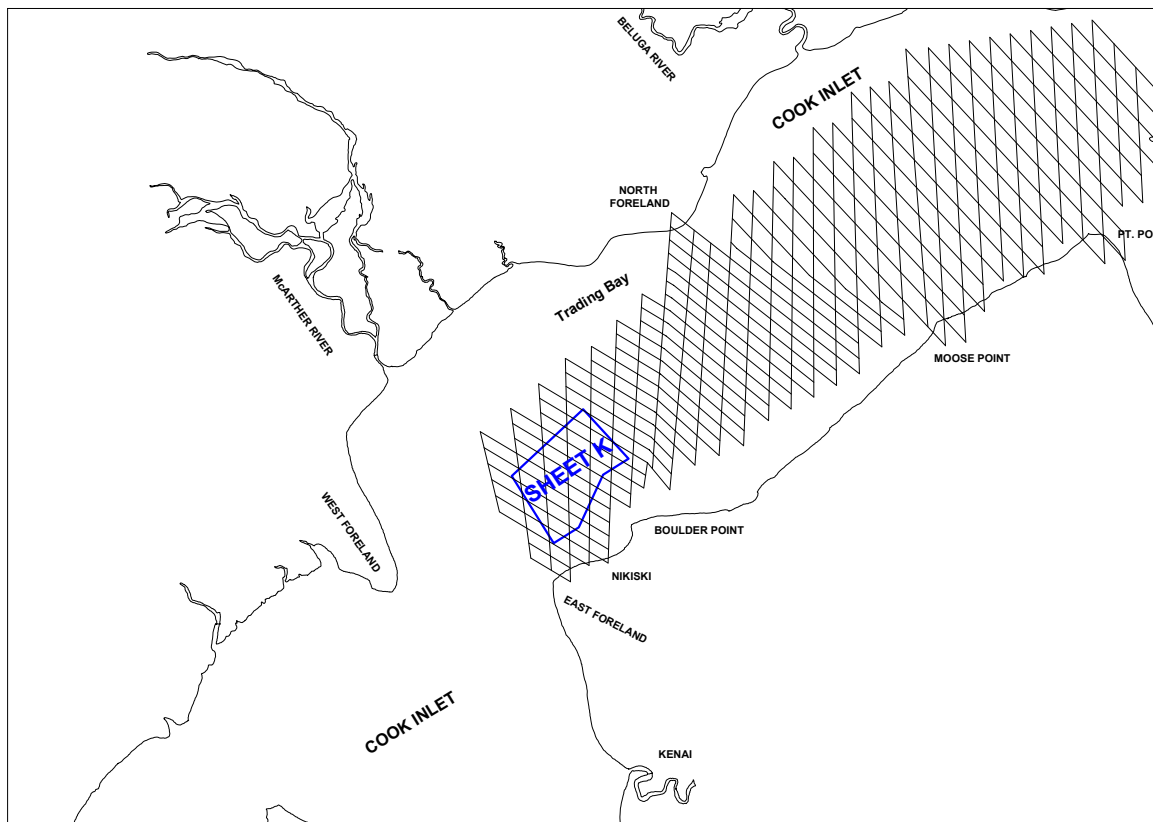


During processing, soundings were reduced to MLLW using data from 1 tide gauge. A sub-contractor, LCMF, operated the gauge and the data was emailed to the processing office at the end of every Julian day.

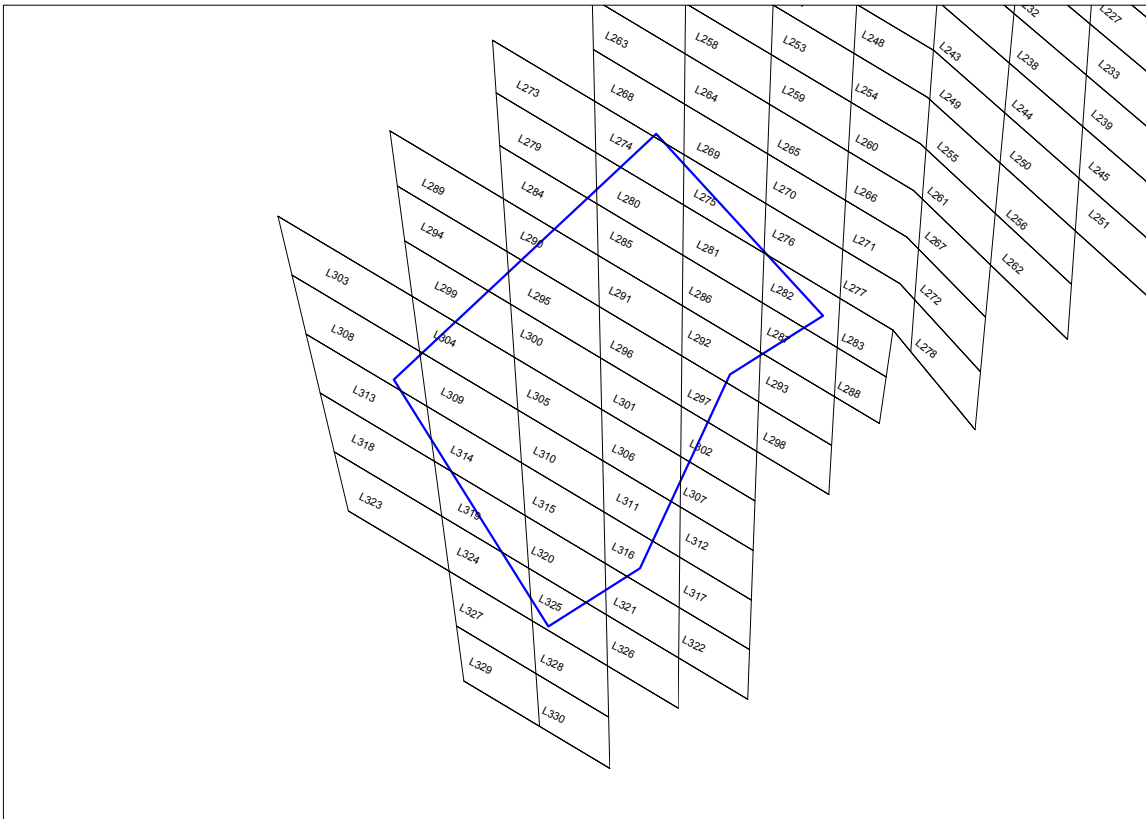
Gauge	Location	Latitude	Longitude
9455777	Boulder Point	60.7761 N	151.2450 W

Tidal zones for this survey were defined after preliminary survey work in the fall of 1998 (SOL 52-DGNC-8-90028, Task Order #1). The zones used have generally the same shape as the NOAA preliminary zones in the survey area but form a finer mesh. The maximum time difference across any zone boundary in the new scheme was 2 minutes. The following plot shows the area around Sheet K and the tide zone layout.



Proposed Tidal Zoning - Sheet K				
LCMF	Primary Reference		Time	Range
Zone	Name	Number	mins	Ratio
L268	Boulder Pt.	9455777	12	0.970
L274	Boulder Pt.	9455777	10	0.970
L275	Boulder Pt.	9455777	10	0.980
L276	Boulder Pt.	9455777	10	0.990
L279	Boulder Pt.	9455777	8	0.960
L280	Boulder Pt.	9455777	8	0.970
L281	Boulder Pt.	9455777	8	0.980
L282	Boulder Pt.	9455777	8	0.990
L284	Boulder Pt.	9455777	6	0.960
L285	Boulder Pt.	9455777	6	0.970
L286	Boulder Pt.	9455777	6	0.980
L287	Boulder Pt.	9455777	6	0.990
L290	Boulder Pt.	9455777	4	0.960
L291	Boulder Pt.	9455777	4	0.970
L292	Boulder Pt.	9455777	4	0.980
L293	Boulder Pt.	9455777	4	0.990
L294	Boulder Pt.	9455777	2	0.950
L295	Boulder Pt.	9455777	2	0.960
L296	Boulder Pt.	9455777	2	0.970
L297	Boulder Pt.	9455777	2	0.980
L299	Boulder Pt.	9455777	0	0.950
L300	Boulder Pt.	9455777	0	0.960
L301	Boulder Pt.	9455777	0	0.970
L302	Boulder Pt.	9455777	0	0.980
L303	Boulder Pt.	9455777	-2	0.940
L304	Boulder Pt.	9455777	-2	0.950
L305	Boulder Pt.	9455777	-2	0.960
L306	Boulder Pt.	9455777	-2	0.970
L307	Boulder Pt.	9455777	-2	0.980
L308	Boulder Pt.	9455777	-4	0.940
L309	Boulder Pt.	9455777	-4	0.950
L310	Boulder Pt.	9455777	-4	0.960
L311	Boulder Pt.	9455777	-4	0.970
L313	Boulder Pt.	9455777	-6	0.940
L314	Boulder Pt.	9455777	-6	0.950
L315	Boulder Pt.	9455777	-6	0.960
L316	Boulder Pt.	9455777	-6	0.970
L319	Boulder Pt.	9455777	-8	0.950
L320	Boulder Pt.	9455777	-8	0.960
L321	Boulder Pt.	9455777	-8	0.970
L324	Boulder Pt.	9455777	-10	0.950
L325	Boulder Pt.	9455777	-10	0.960

## Tide Zones in Sheet K.



Verified tidal data for a twenty-four hour period was assembled by LCMF and emailed to the office at the end of every day, UTC. A cumulative file for each gauge was updated each day by appending the new data. HPTools (ver. 8.9.5) was used to calculate zoned tidal correctors using CARIS navigation files. The output from HPTools was appended to the project tide file, 1990.tid. All soundings were merged with verified tides for the preliminary smooth sheet.