## REVISION NOTICE TABLE

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| DATE | DESCRIPTION OF REVISION |
| 21-Sep-2017 | Corrected MISSION metadata field in header. R.H. |
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## PROCESSING NOTES

Cruise: 1979-75

Agency: Institute of Ocean Sciences, Sidney, BC

Project: Kitimat Hydrocarbon Baseline Study

Location: Douglas Channel

Platform: Sea Lion

Date: 5 February 1979 – 15 February 1979

Processed by: Germaine Gatien

Date of Processing: 19 July 2017- 19 July 2017

Number of BOT files: 17

These data are from the third of 3 cruises that formed part of the project: 1978-62, 1978-63 and 1979-75.

These data were transcribed in 2017 by Danielle Caleb from a report by Paul Erickson of Seakem Oceanography Ltd. (Erickson, 1979, Kitimat Hydrocarbon Baseline Study: Oceanographic Observations ) Erickson ran 3 cruises under contract to the Institute of Ocean Sciences. The report can be found in the documents folder. It includes the data and a report on the methods, precision and accuracy of analytical methods.

The report says that there were CTD casts throughout the first cruise and at some sites during the third cruise, but those data had not been found as of July 2017.

The data in spreadsheet “data rescue-macdonald-erikson.xls” were separated into 3 separate spreadsheets for the 3 cruises that were part of this project.

The format for positions was changed and the file was saved as 1979-75-bottles.csv.

Some information was missing:

* There was no time recorded for data from station 10 on February 11 and since the listings in the report are not always listed in time order, no reasonable estimate is possible, so that event, which had been assigned event #15, was removed from the spreadsheet.
* There was no longitude listed for station 82 on February 10. However, stations 81, 82 etc refer to repeat occupations of station 8, so the longitude for station 8 was used.

The spreadsheet file was then converted to IOS SHELL format files. The DATE and TIME were converted as channels rather than directly to header entries.

CLEAN was run to add event numbers and to create START and END times in the headers based on the Date and Time channels.

Times in spreadsheet are local, so ADD TIME CHANNEL was used to add 8 hours to times.

REMOVE was run to remove the Date and Time channels.

Profile plots look reasonable after 2 typos were fixed. The only climatology available for the area is based on offshore values, so it is no surprise that the salinity is mostly lower than the minimum of the range, but most temperature values are within the climatology. The only instabilities in the T-S plots are close to the surface and are small.

Track plots were produced with event numbers and station numbers. They look fine and were added to the end of this report.

Head Edit was run to add a comment, fix formats and channel names and to remove the END TIME which is the same as the START TIME.

