## REVISION NOTICE TABLE

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| DATE | DESCRIPTION OF REVISION |
| 20-Sep-2017 | Corrected MISSION metadata field in header. R.H. |
| 14-Sep-2017 | Added missing units to channels. Roy Hourston. |

## PROCESSING NOTES

Cruise: 1976-21

Agency: University of British Columbia, Vancouver, BC

Project: Iona Jetty

Location: Strait of Georgia

Platform: Vector

Date: 19 May 1976 – 20 May1976

Processed by: Germaine Gatien

Date of Processing: 17 July 2017-17 July 2017

Number of BOT files: 17

Paper documents found at IOS in 2017 included a bridge log, deck sheets and a salinity analysis sheet. There are records that indicate that there were STD profiles, but those data were not found. There are original graphical records from thermistor chains, but again no digital versions of those data were found.

A spreadsheet was prepared based on the paper records, “Salinity\_1976-21\_16-03-2017.xls”. This did not include temperature data, so that was added based on left and middle Thermometer readings. Only nominal depths were found and there is no indication that there was an unprotected thermometer, so there is likely no actual depth available. Temperature was unavailable for event #14 and the depth for the bottle for event #6 is recorded in two places as 155m and in another as 190m. The lower depth makes the salinity value look more believable so that was chosen.

The format for positions was changed and the file was saved as 1976-21-bottles.csv.

That 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 the spreadsheet appear to be UTC as they are about 7 hours later than bridge log.

REMOVE was run to remove the Date and Time channels.

Plots were made with the local temperature and salinity climatology superimposed and all salinity data fell within the climatology but temperatures below 200m were below the minimum. Given that the cruise took place well before the time range included in the climatology (1986-2008), this is not unreasonable.

A track plot was produced and looks fine; it was 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 since it is the same as the START TIME.

