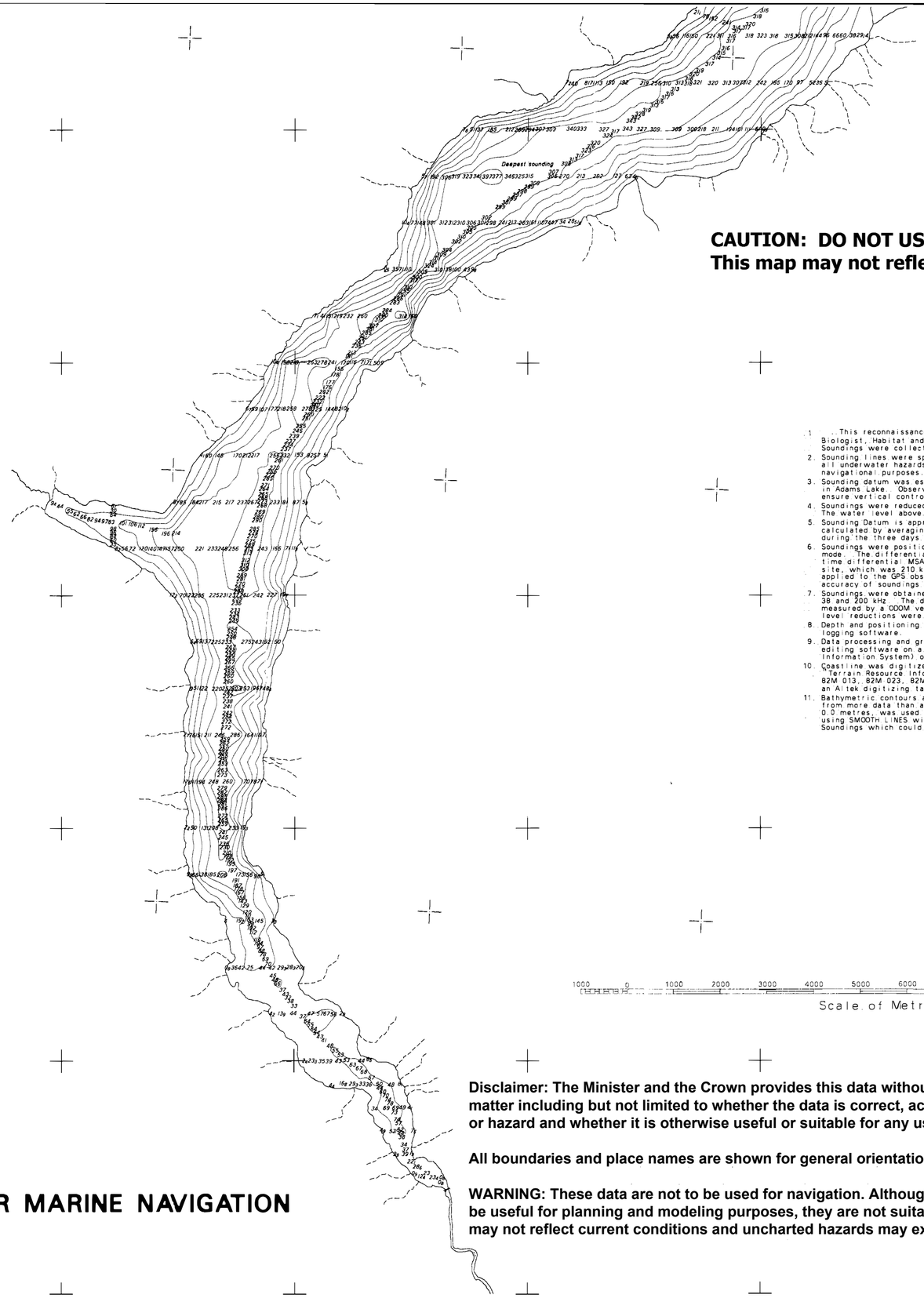

CAUTION: DO NOT USE THIS MAP FOR NAVIGATIONAL PURPOSES
This map may not reflect current conditions. Uncharted hazards may exist.

REFERENCE NOTES

1. ...This reconnaissance bathymetric survey of Adams Lake was requested by... Biologist, Habitat and Enhancement Branch, Department of Fisheries and Oceans, Canada. Soundings were collected to calculate the water storage capacity of the lake.
2. Sounding lines were spaced 1000 metres apart. This line spacing is not suitable to detect all underwater hazards with confidence therefore this map is not suitable for marine navigational purposes.
3. Sounding datum was established by recovery of Water Surveys of Canada bench mark #9 in Adams Lake. Observations to Water Surveys of Canada bench mark #7 were made to ensure vertical control stability.
4. Soundings were reduced to sounding datum by levelling from WSC bench mark #9. The water level above sounding datum during the time of the survey was 1.1 metres.
5. Sounding Datum is approximately 402 metres above Mean Sea Level. The MSL elevation was calculated by averaging the differentially corrected NovAtel 3151R GPS receiver readings during the three days of sounding. The estimated elevation accuracy is +/- 2 metres.
6. Soundings were positioned by a NovAtel 3151R GPS receiver operating in differential mode. The differential corrections were obtained from the Geographic Data BC's real time differential MSAT GPS service - the Global Surveyor. The Williams Lake reference site, which was 210 kms from Adams Lake, was selected. Corrections were received and applied to the GPS observations every two seconds. The estimated horizontal position accuracy of soundings was better than 5 metres 2DRMS.
7. Soundings were obtained with a Knudsen 320M dual frequency echo sounders operating at 38 and 200 kHz. The draft was set to 0.5 metres and a mean speed of sound in water as measured by a ODOM velocitimeter was 1422 m/s. Draft, sound speed adjustments, and water level reductions were applied during processing. All soundings portrayed are true depth.
8. Depth and positioning data were logged using HYPACK (Version 7.1a) navigation and logging software.
9. Data processing and graphical editing were done using a combination of HYPACK(V 7.1a) editing software on a PC and CHS survey programs and CARIS (Computer Aided Resource Information System) on a Digital VAX computer.
10. Coastline was digitized directly from the BC Ministry of Environment, Lands, and Parks "Terrain Resource Information Management" (TRIM) initiative maps: 82L 092, 82M 002, 82M 012, 82M 013, 82M 023, 82M 033, and 82M 043 at a scale of 20,000. The maps were digitized using an Altek digitizing tablet and the CARIS RG package with the similarity transformation option.
11. Bathymetric contours at an interval of 50 metres were generated by the CARIS DTM software from more data than appears on this document. The low water line, with an elevation of 0.0 metres, was used as breaklines for contour generation. The contours were smoothed using SMOOTH LINES with the FILTER parameter set to 0 and the ORDER parameter set to 7. Soundings which could not be displayed because of limitations of scale, have been suppressed.

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000
Scale of Metres

Disclaimer: The Minister and the Crown provides this data without warranty or representation as to any matter including but not limited to whether the data is correct, accurate, or free from error, defect danger, or hazard and whether it is otherwise useful or suitable for any use the user may make of it.

All boundaries and place names are shown for general orientation and reference only.

WARNING: These data are not to be used for navigation. Although these data are of high quality and may be useful for planning and modeling purposes, they are not suitable for navigational purposes as they may not reflect current conditions and uncharted hazards may exist.

NOT TO BE USED FOR MARINE NAVIGATION

PACIFIC REGION	DATE
HYDROGRAPHER	
SCIENTIFIC AUTHORITY	
INSPECTION	
MGR. HYDROG. SURVEYS	
DIR. HYDROGRAPHY	
FIELD SHEET NO.	5019882

51°10'00" 5 670 000
51°05'00" 5 665 000
51°00'00" 5 660 000
5 655 000
5 650 000
5 645 000
300 000 305 000 310 000 315 000 320 000 325 000 330 000 335 000
119°50'00" 119°45'00" 119°40'00" 119°35'00" 119°30'00" 119°25'00"