

1988/14. CORLIB - a core data index (Revision 1).

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Abstract

The CORLIB program suite is designed to provide a record of the location of all diamond core, cuttings, auger samples and any other related materials retained by the Tasmania Department of Mines. Facilities are provided for adding to, editing, listing and searching the data base.

At the request of the Economic Geology Branch, the original program suite has been modified to include editing and listing facilities, and a link to the DORIS log data base to allow the borehole names to be included in the listings.

USING THE PROGRAMS

The programs are run on the Geological Survey Perkin-Elmer minicomputer.

Adding data

Data are recorded on a standard input form (Appendix 1) before entry. Data input is started by typing CORADD, then the data are entered from the standard input forms in response to the prompts of the program. Provision is made for up to ten different core locations per hole. Input of core locations per hole is terminated by entering a location of 0 (zero). The input session is terminated by entering 0 (zero) as the reference number.

A proof sheet is printed, and the data are saved in file CORTEMP.TMP. This file should be corrected using the system editing facilities before continuing.

The corrected temporary file CORTEMP.TMP is added to the existing data base using the CORMERGE command. The data base is automatically sorted to maintain the entries in numerical order and update the number index file (CORINDEX.IND).

Editing the data

Data previously merged into the data base may be corrected, changed or deleted by typing COREEDIT. The program prompts for a reference number and, if the data displayed as corresponding to this number are accepted, all parts of the entry may then be changed or the entry deleted.

Changes, with the exception of deletions, are listed on the printer. As with CORMERGE the data are automatically sorted.

Data base listing

The data base may be listed in order of rack number or borehole name by typing CORLIST.

CORSORT is automatically called by CORMERGE and COREDIT.

Coredit

The data in the data base may be corrected, changed or deleted. Entries are retrieved by reference number, with the update file being checked first to allow multiple correction of one entry. The corrections are then written directly into a copy of the main data base and the corrected file is then sorted and copied back to the main data base.

Corlist

The program prompts the user for options and then produces a listing of all core held ordered by either rack number or borehole name. The reference number index to the drill log data base (LOGINDEX.IND) is also used.

Corsrch

The program prompts the user with the available search options (see *data-base searching* above), takes the values of the options selected, and searches each record for the occurrence of every selected option.

The reference number index to the drill log data base (LOGINDEX.IND) is also used.

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APPENDIX 1

Tasmania Department of Mines core library index

CORLIB

REFERENCE NUMBER: - - - - - (5) TOTAL NUMBER OF TRAYS: - - - (3)

Store Location*				Rack No.	Depths		Units*			Type*			
S	P	D	Q		From	To	m	ft	?	d	c	a	o
1	2	3	4	(5)	(4)	(4)	1	2	3	1	2	3	4

* Tick one only S = Store; P = Plant, D = Domain; Q = Queenstown