FISCAL YEAR 1989/90
PERIOD 2

INTERNATIONAL CENTRE (FBMASTER)
FOR OCEAN DEVELOPMENT
FREE BALANCE - BUDGETARY CONTROL SYSTEM

DATE 13/06/89
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PROJECTED SURPLUS/DEFICIT REPORT - SUMMARY
DIVISION BY PRIMARY

DESCRIPTION DIVISION / PRIMARY ACCOUNT	BUDGET A	CUM. EXPENSES B	OUTSTANDING COMMITMENTS C	FREE BALANCE D = A-B-C	FORECAST E	SURPLUS DEFICIT (-) F = A-E
SALARIES	0	28,540	0	-28,540	28,540	-28,540
SERVICES	0	24,338	0	-24,338	24,338	-24,338
MATERIALS AND SUPPLIES	0	889	0	-889	889	-889
EQUIPMENT	0	195	0	-195	195	-195
DEBT	0	307	0	-307	307	-307
FINANCE	0	54,269	0	-54,269	54,269	-54,269
SALARIES	0	30,937	0	-30,937	30,937	-30,937
SERVICES	0	18,375	0	-18,375	18,375	-18,375
MATERIALS AND SUPPLIES	0	2,342	0	-2,342	2,342	-2,342
EQUIPMENT	0	2,451	0	-2,451	2,451	-2,451
HUMAN RESOURCES DEVELOPMENT	0	54,105	0	-54,105	54,105	-54,105
SALARIES	0	18,000	0	-18,000	18,000	-18,000
SERVICES	0	838	0	-838	838	-838
EQUIPMENT	0	742	0	-742	742	-742
LEGAL SERVICES	0	19,580	0	-19,580	19,580	-19,580
SALARIES	0	53,022	0	-53,022	53,022	-53,022
SERVICES	0	8,733	0	-8,733	8,733	-8,733
CONTRIBUTIONS	0	23,068	0	-23,068	23,068	-23,068
AFRICA-INDIAN OCEAN DIVISION	0	84,823	0	-84,823	84,823	-84,823
SALARIES	0	72,190	0	-72,190	72,190	-72,190
SERVICES	0	12,570	0	-12,570	12,570	-12,570
MATERIALS AND SUPPLIES	0	59	0	-59	59	-59
CONTRIBUTIONS	0	6,526	0	-6,526	6,526	-6,526
SOUTH PACIFIC/CARIBBEAN DIV	0	91,345	0	-91,345	91,345	-91,345
SALARIES	0	60,874	0	-60,874	60,874	-60,874
SERVICES	0	12,448	0	-12,448	12,448	-12,448
MATERIALS AND SUPPLIES	0	20	0	-20	20	-20
EQUIPMENT	0	10,910	0	-10,910	10,910	-10,910
CONTRIBUTIONS	0	122,614	0	-122,614	122,614	-122,614
INTERREGIONAL & COOPERATIVES A	0	206,866	0	-206,866	206,866	-206,866
SALARIES	0	1,535	0	-1,535	1,535	-1,535

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DESCRIPTION	BUDGET	CUM. EXPENSES	OUTSTANDING COMMITMENTS	FREE BALANCE	FORECAST	SURPLUS DEFICIT (-)
DIVISION / PRIMARY ACCOUNT	A	B	C	D = A-B-C	E	F = A-E
SERVICES	0	10,349	0	-10,349	10,349	-10,349
EQUIPMENT	0	5,035	0	-5,035	5,035	-5,035
CONTRIBUTIONS	0	11,214	0	-11,214	11,214	-11,214
SECTORAL CONSULTANTS	0	28,133	0	-28,133	28,133	-28,133
SALARIES	0	76,466	0	-76,466	76,466	-76,466
SERVICES	0	20,433	0	-20,433	20,433	-20,433
MATERIALS AND SUPPLIES	0	1,734	0	-1,734	1,734	-1,734
EQUIPMENT	0	1,002	0	-1,002	1,002	-1,002
CONTRIBUTIONS	0	9,124	0	-9,124	9,124	-9,124
EXECUTIVE OFFICE	0	108,759	0	-108,759	108,759	-108,759
GRAND TOTALS	0	647,880	0	-647,880	647,880	-647,880

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DESCRIPTION	BUDGET	CUM. EXPENSES	OUTSTANDING COMMITMENTS	FREE BALANCE	FORECAST	SURPLUS DEFICIT (-)
FISCAL YEAR / ACCOUNT	A	B	C	D = A-B-C	E	F = A-E
GOVT OF CAN.-APPROPR.DRAWDOWN	0	-800,000	0	800,000	0	0
89/90	0	-800,000	0	800,000	0	0
GRAND TOTALS	0	-800,000	0	800,000	0	0

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PROJECTED SURPLUS/DEFICIT REPORT - SUMMARY
ICOD BY PRIMARY

DESCRIPTION	BUDGET	CUM. EXPENSES	OUTSTANDING COMMITMENTS	FREE BALANCE	FORECAST	SURPLUS DEFICIT (-)
BOARD / PRIMARY ACCOUNT	A	B	C	D = A-B-C	E	F = A-E
SALARIES	0	341,564	0	-341,564	341,564	-341,564
SERVICES	0	108,084	0	-108,084	108,084	-108,084
MATERIALS AND SUPPLIES	0	5,044	0	-5,044	5,044	-5,044
EQUIPMENT	0	20,335	0	-20,335	20,335	-20,335
CONTRIBUTIONS	0	172,546	0	-172,546	172,546	-172,546
DEBT	0	307	0	-307	307	-307
ICOD BOARD	0	647,880	0	-647,880	647,880	-647,880
GRAND TOTALS	0	647,880	0	-647,880	647,880	-647,880

International Centre for Ocean Development
Centre international d'exploitation des océans
Canada

DELMAR™*, A Computer Program Library for the DELimitation of MARitime Boundaries

DELMAR, Version 1.0, was designed as a tool for the negotiation, analysis, and verification of international maritime boundary agreements. Prepared for ICOD by Mr. Galo Carrera, the software performs many of the tasks previously assigned to hydrographers, including calculating the area of a particular ocean parcel, determining legally acceptable limits at distances of 12, 200, and 350 nautical miles offshore, and delimiting the equidistant boundary between two countries. DELMAR is also suitable as a research and training tool.

Today's Program

Our presentation will last about 45 minutes and will have the following format:
- Welcome and introduction by Mrs. Elisabeth Mann Borgese
- Presentation by Mr. Galo Carrera
- Questions and closing remarks
- Reception following in the adjacent Multi-purpose Room.

Today's Speakers

Elisabeth Mann Borgese is the Chairman of the International Centre for Ocean Development. She is also a professor of International Ocean Affairs at Dalhousie University and Chairman of the Planning Council of the International Ocean Institute. Mrs. Borgese is widely known for her active role in the United Nations Convention on the Law of the Sea. She is the author of many books, including The Drama of the Oceans and The Future of the Oceans.

Galo Carrera, the developer of the DELMAR program library, is a doctoral candidate at the Department of Geophysics at the University of Toronto, and a geodetic researcher and consultant based in Halifax. His current research includes the investigation of mathematical models for the determination of movements of the earth's crust and maritime boundary delimitations. Mr. Carrera is Vice-President of the Atlantic Branch of the Canadian Hydrographic Association and Secretary of the Working Group on Geodetic Aspects of International Boundary Delimitation of the International Association of Geodesy.

* "DELMAR" is a registered trademark of the International Centre for Ocean Development.

DELMAR and the Developing World

An important feature of DELMAR is that it runs on IBM and IBM-compatible personal computers. Until it was developed, boundary delimitation programs required mainframe computers, the expense of which dramatically limited access to such software tools. In addition, DELMAR's algorithms run far more quickly than those traditionally employed on mainframes, further increasing the flexibility and usefulness of the software.

The development and production of DELMAR was supported by the International Centre for Ocean Development, a Halifax-based Crown corporation established in 1985. The Centre's mandate is to build cooperation between Canada and developing nations in the field of ocean resource development. ICOD's efforts tend to concentrate on coastal and island nations, many of which are well placed to apply this new software to their own maritime boundary negotiations.

Hardware and Software Requirements

The only software needed to run DELMAR is the Disk Operating System (DOS) Version 3.1 or higher. The following hardware is required:

- an IBM or IBM-compatible XT or AT personal computer
- at least one double-sided standard (360 K) or high-capacity (1.2 M) 5 1/4-inch disk drive, or one double-sided standard (720 K) or high-capacity (1.44 M) 3 1/2-inch ("shirt-pocket") disk drive
- a hard disk drive
- a Numeric Data Processor (NDP) Intel 80X87
- a monochrome display adapter (MDA) and a monochrome monitor.

While a monochrome display adapter and monitor are all that are needed to run the numeric analysis component of the programs, a graphics adaptor, such as CGA, EGA, or VGA, and a compatible monitor are required in order to present DELMAR's graphic displays.

Each DELMAR package consists of a Customer License Agreement, a user manual, and two sets of program diskettes -- one set in the 5 1/4-inch format and the other in the 3 1/2-inch format. The package, including the screens and the manual, are available in English, French, or Spanish.

Distribution

DELMAR will be free to developing countries and will be sold to others at $800 Canadian per unit, plus tax.