

Addendum to Atmospheric Environment Service program digest = Supplément au résumé des programmes
Vol: 1981 No: -82 Date: 1981-1982

2048068E
CIRC # 3

Environnement
Canada

Service
de l'environnement
atmosphérique

**CIRCULATING
COPY**

OTM ANNUAL REPORTS

ADDENDUM TO

ATMOSPHERIC ENVIRONMENT

SERVICE

PROGRAM DIGEST

1981 - 1982

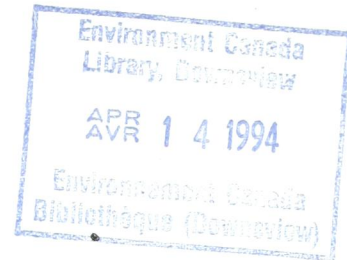


Environment
Canada

Environnement
Canada

Atmospheric
Environment
Service

Service
de l'environnement
atmosphérique



ADDENDUM TO

ATMOSPHERIC ENVIRONMENT

SERVICE

PROGRAM DIGEST

1981 - 1982

AES MANAGEMENT SERIES

PREFACE

In the main portion of the Program Digest which was published separately, 1981-82 AES organizational budget data were presented by sub-activity (SA 1) and sub-sub-activity (SA 2).

In this addendum to the Program Digest, the 1981-82 organizational budget data have been broken down one additional level and are given by sub-sub-activity (SA 2) and sub-sub-sub-activity (SA 3). The data broken out in this manner is presented in Appendix I. The data of Appendix I have then been reorganized by sub-activity and are displayed in 6 Appendices (J to O). Note that each Appendix of the Addendum has been numbered separately. For example, page I23 refers to page 23 of Appendix I, etc.

Any errors in or suggested improvements to either the Program Digest or the Addendum, should be addressed to the Chief, Program Development and Integration Division (ADEC) at AES Downsvew.

TABLE OF CONTENTS

APPENDICES

- I. 1981-82 Organizational Budgets by Sub-Sub-Activity and Sub-Sub-Sub-Activity
- J. 1981-82 Organizational Units and their Budgets contributing to the Weather Services Sub-Activity
- K. 1981-82 Organizational Units and their Budgets contributing to the Climate Services Sub-Activity
- L. 1981-82 Organizational Units and their Budgets contributing to the Ice Services Sub-Activity
- M. 1981-82 Organizational Units and their Budgets contributing to the Air Quality Services and Atmospheric Research Sub-Activity
- N. 1981-82 Organizational Units and their Budgets contributing to the Departmental Integrated Programs Sub-Activity
- O. 1981-82 Organizational Units and their Budgets contributing to the Management and Common Support Systems Sub-Activity

APPENDIX I

Atmospheric Environment Service
1981-82 Organizational Budgets by
Sub-Sub-Activity and Sub-Sub-Sub-Activity

SUB-ACTIVITY: 700 DEPARTMENTAL INTEGRATED PROGRAMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ASSISTANT DEPUTY MINISTER

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
710 EARP					
710 EARP					
710 TOTALS(SA-2)					
720 LRTAP					
720 LRTAP	2	60.0	25.0	---	85.0
720 TOTALS (SA-2)	2	60.0	25.0	---	85.0
730 Toxic Chemicals					
730 Toxic Chemicals					
730 TOTALS (SA-2)					
740 Great Lakes Water Quality					
740 Great Lakes Water Quality					
740 TOTALS(SA-2)					
750 Baseline Studies					
750 Baseline Studies					
750 TOTALS(SA-2)					
700 TOTAL (SA-1)	2	60.0	25.0	---	85.0

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ASSISTANT DEPUTY MINISTER'S OFFICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management	5	148.0	13.2		161.2
820 Management Support	10	585.4	136.9		722.3
810 TOTAL (SA-2)	15	733.4	150.1		883.5
830 Common Support Services					
831 Personnel Services					
840 Financial Services					
850 General Administration					
860 Public Information					
870 Publications					
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)					
800 TOTAL (SA-1)	15	733.4	150.1		883.5

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ADMINISTRATION BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training	17	939.8	53.0	---	992.8
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)		939.8	53.0	---	992.8
100 TOTAL (SA-1)	17	939.8	53.0	---	992.8

SUB-ACTIVITY: 800 MANAGEMENT, AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ADMINISTRATION BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support	3	88.1	55.0	---	143.1
810 TOTAL (SA-2)	3	88.1	55.0	---	143.1
830 Common Support Services					
831 Personnel Services			90.0	---	90.0
840 Financial Services	18	4616.6	1804.0	49.6	6470.2
850 General Administration	45	897.0	1599.8	66.4	2563.2
860 Public Information		---	140.0	---	140.0
870 Publications	3	60.6	109.5	---	170.1
880 Library Services	9	189.1	85.0	5.0	279.1
890 Grants/Contributions		---	965.2	---	965.2
830 TOTAL (SA-2)	75	5763.3	4793.5	121.0	10677.8
800 TOTAL (SA-1)	78	5851.4	4848.5	121.0	10820.9

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE-(HEADQUARTERS + REGIONS)*

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	172	4983.4	51.0	---	5034.4
112 Provision of Services	292	7517.3	681.6	---	8198.9
110 TOTAL(SA-2)	464	12500.7	732.6	---	13233.3
120 Marine Weather Services					
121 Forecast Operations	9	316.0	---	---	316.0
122 Provision of Services	2	46.0	---	---	46.0
120 TOTAL(SA-2)	11	362.0	---	---	362.0
130 Aviation Weather Services					
131 Forecast Operations	56	1658.1	2.0		1660.1
132 Provision of Services	56	1360.0	110.3		1470.3
138 Aviation Observations	15	299.0	457.2		756.2
130 TOTAL(SA-2)	127	3317.1	569.5	---	3886.6
140 Economic Weather Services					
141 Forecast Operations	16	482.4	24.4	---	506.8
142 Provision of Services	---	---			
140 TOTAL(SA-2)	16	482.4	24.4	---	506.8
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	140	3224.3	2136.3	---	5360.6
220 Upper Air Stations	160	5200.9	9561.6	9.0	14771.5
230 Other Observations	5	185.0	174.0	20.0	379.0
200 TOTAL(SA-2)	305	8610.2	11871.9	29.0	20511.1
300 Wx. Services Support Systems					
301 CMC	67	2264.6	112.2	9.0	2385.8
310 Forecast Operations Support	57	1668.6	721.2	38.0	2427.8
320 Forecast Production Research	---	---	---	---	---
330 Data Acquisition Research	---	---	---	---	---
340 Planning and Consultation	29	976.3	173.2	40.0	1189.5
350 Communications	97	2372.4	4202.6	---	6575.0
360 EDP Services	24	678.8	158.2	375.0	1212.0
370 Training	1	19.7	163.6	---	183.3
380 Data Acquisition Services	153	4003.6	2896.9	7410.0	14310.5
390 Management	21	559.3	704.8	24.0	1288.1
395 Management Support	72	1584.7	3180.3	582.5	5347.5
300 TOTAL(SA-2)	521	14128.0	12313.0	8478.5	34919.5
100 TOTAL (SA-1)	1444	39400.4	25511.4	8507.5	73419.3

* Does not include Canadian Forces Weather Service

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE (HEADQUARTERS + REGIONS)*

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	21	420.0	675.2	3.0	1098.2
420 Reg. Consultation/Appl.	29	912.2	66.5	3.5	982.2
430 Nat. Consultation/Dev.	1	22.0	4.7	---	26.7
410 TOTAL(SA-2)	51	1354.2	746.4	6.5	2107.1
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)	---	---	---	---	---
460 Climate Prog. Support System					
461 EDP Services					
462 Management	12	324.1	29.9	8.0	362.0
463 Management Support					
460 TOTAL(SA-2)	12	324.1	29.9	8.0	362.0
400 TOTAL (SA-1)	63	1678.3	776.3	14.5	2469.1

* Does not include Canadian Forces Weather Service

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE (HEADQUARTERS + REGIONS)*

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support					
810 TOTAL (SA-2)	--	---	---	---	---
830 Common Support Services					
831 Personnel Services			41.0		41.0
840 Financial Services					
850 General Administration					
860 Public Information			4.0		4.0
870 Publications					
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)	--	---	45.0	---	45.0
800 TOTAL (SA-1)	--	---	45.0	---	45.0

* Does not include Canadian Forces Weather Service

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE-HEADQUARTERS

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	6	184.9	13.0	---	197.9
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation	8	351.0	18.4	4.0	373.4
350 Communications	23	615.1	3839.7	---	4454.8
360 EDP Services	5	173.2	67.0	375.0	615.2
370 Training					
380 Data Acquisition Services	19	471.4	226.9	6731.0	7429.3
390 Management	6	180.8	56.0	1.0	237.8
395 Management Support	12	294.0	943.6	10.0	1247.6
300 TOTAL(SA-2)	79	2270.4	5164.6	7121.0	14556.0
100 TOTAL (SA-1)	79	2270.4	5164.6	7121.0	14556.0

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - CANADIAN METEOROLOGICAL CENTRE

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC	67	2264.6	112.2	9.0	2385.8
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)	67	2264.6	112.2	9.0	2385.8
100 TOTAL (SA-1)	67	2264.6	112.2	9.0	2385.8

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - ATLANTIC REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	39	1067.8	33.1	---	1100.9
112 Provision of Services	64	1522.8	117.2	---	1640.0
110 TOTAL(SA-2)	103	2590.6	150.3	---	2740.9
120 Marine Weather Services					
121 Forecast Operations	2	79.0	---	---	79.0
122 Provision of Services	2	46.0	---	---	46.0
120 TOTAL(SA-2)	4	125.0	---	---	125.0
130 Aviation Weather Services					
131 Forecast Operations	10	316.0	---	---	316.0
132 Provision of Services	6	138.0	---	---	318.0
138 Aviation Observations		---	---	---	---
130 TOTAL(SA-2)	16	454.0	---	---	454.0
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	11	231.8	263.4	---	495.2
220 Upper Air Stations	27	694.9	556.6	---	1251.5
230 Other Observations		---	90.8	---	90.8
200 TOTAL(SA-2)	38	926.7	910.8	---	1837.5
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	9	215.3	10.2	---	225.5
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation	4	108.1	17.2	---	125.3
350 Communications	21	458.8	191.7	---	650.5
360 EDP Services	4	102.1	2.9	---	105.0
370 Training	1	19.7	1.6	---	21.3
380 Data Acquisition Services	13	346.7	276.9	---	623.6
390 Management	2	67.8	4.1	---	71.9
395 Management Support	7	204.2	361.2	242.0	807.4
300 TOTAL(SA-2)	61	1522.7	865.8	242.0	2630.5
100 TOTAL (SA-1)	222	5619.0	1926.9	242.0	7787.9

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - ATLANTIC REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	3	60.5	29.1	---	89.6
420 Reg. Consultation/Appl.	8	249.6	31.1	---	280.7
430 Nat. Consultation/Dev.					
410 TOTAL(SA-2)	11	310.1	60.2	---	370.3
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services					
462 Management	2	58.9	2.1	---	61.0
463 Management Support					
460 TOTAL(SA-2)	2	58.9	2.1	---	61.0
400 TOTAL (SA-1)	13	369.0	62.3		431.3

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2), and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - ATLANTIC REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support					
810 TOTAL (SA-2)					
830 Common Support Services					
831 Personnel Services		---	38.0	---	38.0
840 Financial Services					
850 General Administration					
860 Public Information					
870 Publications					
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)			38.0	---	38.0
800 TOTAL (SA-1)			38.0		38.0

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - QUEBEC REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	31	991.1	1.5	---	992.6
112 Provision of Services	29	855.8	134.1	---	989.9
110 TOTAL(SA-2)	60	1846.9	135.6	---	1982.5
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations	5	149.1	---	---	149.1
132 Provision of Services	17	438.1	61.2	---	499.3
138 Aviation Observations	5	88.8	13.4	---	102.2
130 TOTAL(SA-2)	27	676.0	74.6	---	750.6
140 Economic Weather Services					
141 Forecast Operations	6	132.0	4.0	---	136.0
142 Provision of Services					
140 TOTAL(SA-2)	6	132.0	4.0	---	136.0
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	29	721.0	525.8	---	1246.8
220 Upper Air Stations	24	749.5	750.9	---	1500.4
230 Other Observations	---	---	83.2	---	83.2
200 TOTAL(SA-2)	53	1470.5	1359.9	---	2830.4
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	8	217.9	159.4	3.0	380.3
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation	3	88.4	12.1	6.0	106.5
350 Communications	12	273.1	4.6		277.7
360 EDP Services	3	95.4	1.5		96.9
370 Training			34.0		34.0
380 Data Acquisition Services	18	506.4	564.0	152.5	1222.9
390 Management	2	63.5	2.5	---	66.0
395 Management Support	9	224.8	370.3	---	595.1
300 TOTAL(SA-2)	55	1469.5	1148.4	161.5	2779.4
100 TOTAL (SA-1)	201	5594.9	2722.5	161.5	8478.9

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - QUEBEC REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	1	27.1	440.5	---	467.6
420 Reg. Consultation/Appl.	4	132.9	4.5	3.5	140.9
430 Nat. Consultation/Dev.					
410 TOTAL(SA-2)	5	160.0	445.0	3.5	608.5
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services					
462 Management	1	36.8	0.8	---	37.6
463 Management Support					
460 TOTAL(SA-2)	1	36.8	0.8	---	37.6
400 TOTAL (SA-1)	6	196.8	445.8	3.5	646.1

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - ONTARIO REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	8	273.7	---	---	273.7
112 Provision of Services	68	1202.2	8.0	---	1210.2
110 TOTAL(SA-2)	76	1475.9	8.0	---	1483.9
120 Marine Weather Services					
121 Forecast Operations	4	137.0	---	---	137.0
122 Provision of Services	---	---	---	---	---
120 TOTAL(SA-2)	4	137.0	---	---	137.0
130 Aviation Weather Services					
131 Forecast Operations	10	324.0	---	---	324.0
132 Provision of Services	7	519.6	---	---	519.6
138 Aviation Observations	---	---	---	---	---
130 TOTAL(SA-2)	17	843.6	---	---	843.6
140 Economic Weather Services					
141 Forecast Operations	4	125.0	---	---	125.0
142 Provision of Services	---	---	---	---	---
140 TOTAL(SA-2)	4	125.0	---	---	125.0
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	12	272.3	148.3	---	420.6
220 Upper Air Stations	3	166.1	66.7	9.0	241.8
230 Other Observations	---	---	---	---	---
200 TOTAL(SA-2)	15	438.4	215.0	9.0	662.4
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	6	207.0	144.4	15.0	366.4
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation	4	90.8	100.5	30.0	221.3
350 Communications	7	174.7	---	---	174.7
360 EDP Services	3	81.2	---	---	81.2
370 Training					
380 Data Acquisition Services	15	365.0	201.0	78.0	644.0
390 Management	4	63.8	6.5	17.0	87.3
395 Management Support	9	215.4	255.6	---	471.0
300 TOTAL(SA-2)	48	1197.9	708.0	140.0	2045.9
100 TOTAL (SA-1)	164	4217.8	931.0	149.0	5297.8

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - ONTARIO REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	5	116.2	34.8	3.0	154.0
420 Reg. Consultation/Appl.	4	125.8	7.8	---	133.6
430 Nat. Consultation/Dev.	---	---	---	---	---
410 TOTAL(SA-2)	9	242.0	42.6	3.0	287.6
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services	---	---	---	---	---
462 Management	2	60.2	6.4	8.0	74.6
463 Management Support	---	---	---	---	---
460 TOTAL(SA-2)	2	60.2	6.4	8.0	74.6
400 TOTAL (SA-1)	11	302.2	49.0	11.0	362.2

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - CENTRAL REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	42	1062.8	---	---	1062.8
112 Provision of Services	36	1134.5	206.8	---	1341.3
110 TOTAL(SA-2)	78	2197.3	206.8	---	2404.1
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations	10	289.0	2.0		291.0
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)	10	289.0	2.0		291.0
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	31	802.0	940.0	---	1742.0
220 Upper Air Stations	55	1874.1	2193.5	---	4067.6
230 Other Observations	---	---	---	---	---
200 TOTAL(SA-2)	86	2676.1	3133.5	---	5809.6
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	6	156.5	76.8	---	233.3
320 Forecast Production Research	---	---	---	---	---
330 Data Acquisition Research	---	---	---	---	---
340 Planning and Consultation	5	163.2	9.5	---	172.7
350 Communications	13	282.1	---	---	282.1
360 EDP Services	3	94.3	38.7	---	133.0
370 Training	---	---	60.5	---	60.5
380 Data Acquisition Services	41	1038.7	1008.3	---	2047.0
390 Management	2	59.9	6.0	---	65.9
395 Management Support	14	282.3	430.3	320.0	1032.6
300 TOTAL(SA-2)	84	2077.0	1630.1	320.0	4027.1
100 TOTAL (SA-1)	258	7239.4	4972.4	320.0	12531.8

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - CENTRAL REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	3	57.9	48.8	---	106.7
420 Reg. Consultation/Appl.	7	220.9	14.1	---	235.0
430 Nat. Consultation/Dev.					
410 TOTAL(SA-2)	10	278.8	62.9	---	341.7
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services					
462 Management	2	58.8	5.0	---	63.8
463 Management Support					
460 TOTAL(SA-2)	2	58.8	5.0	---	63.8
400 TOTAL (SA-1)	12	337.6	67.9	---	405.5

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - WESTERN REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	29	832.8	---	---	832.8
112 Provision of Services	57	1929.2	166.8	---	2096.0
110 TOTAL(SA-2)	86	2762.0	166.8	---	2928.8
120 Marine Weather Services					
121 Forecast Operations	3	100.0	---	---	100.0
122 Provision of Services	---	---	---	---	---
120 TOTAL(SA-2)	3	100.0	---	---	100.0
130 Aviation Weather Services					
131 Forecast Operations	16	430.0	---	---	430.0
132 Provision of Services	19	97.5	37.0	---	134.5
138 Aviation Observations	2	39.0	---	---	39.0
130 TOTAL(SA-2)	37	566.5	37.0	---	603.5
140 Economic Weather Services					
141 Forecast Operations	5	190.4	---	---	190.4
142 Provision of Services	---	---	---	---	---
140 TOTAL(SA-2)	5	190.4	---	---	190.4
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	29	818.7	122.0	---	940.7
220 Upper Air Stations	32	1128.2	934.1	---	2062.3
230 Other Observations	---	---	---	---	---
200 TOTAL(SA-2)	61	1946.9	1056.1	---	3003.0
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	17	515.8	291.6	20.0	827.4
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation	2	92.5	6.0	---	98.5
350 Communications	12	329.0	51.5	---	380.5
360 EDP Services	4	75.0	---	---	75.0
370 Training	---	---	52.5	---	52.5
380 Data Acquisition Services	29	757.7	205.8	291.5	1255.0
390 Management	3	65.0	624.2	---	689.2
395 Management Support	12	194.9	643.3	8.5	846.7
300 TOTAL(SA-2)	79	2029.9	1874.9	320.0	4224.8
100 TOTAL (SA-1)	271	7595.7	3134.8	320.0	11050.5

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - WESTERN REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	4	78.2	59.5	---	137.7
420 Reg. Consultation/Appl.	2	67.6	1.0	---	68.6
430 Nat. Consultation/Dev.	1	22.0	4.7	---	26.7
410 TOTAL(SA-2)	7	167.8	65.2	---	233.0
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services					
462 Management	3	62.5	10.8	---	73.3
463 Management Support					
460 TOTAL(SA-2)	3	62.5	10.8	---	73.3
400 TOTAL (SA-1)	10	230.3	76.0	---	306.3

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - PACIFIC REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	23	755.2	16.4	---	771.6
112 Provision of Services	38	872.8	48.7	---	921.5
110 TOTAL(SA-2)	61	1628.0	65.1	---	1693.1
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations	5	150.0	---	---	150.0
132 Provision of Services	7	166.8	12.1	---	178.9
138 Aviation Observations	8	171.2	443.8	---	615.0
130 TOTAL(SA-2)	20	488.0	455.9	---	943.9
140 Economic Weather Services					
141 Forecast Operations	1	35.0	---	---	35.0
142 Provision of Services		---	20.4	---	20.4
140 TOTAL(SA-2)	1	35.0	20.4	---	55.4
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	28	378.5	136.8	---	515.3
220 Upper Air Stations	19	588.1	5059.8	---	5647.9
230 Other Observations	5	185.0	---	20.0	205.0
200 TOTAL(SA-2)	52	1151.6	5196.6	20.0	6368.2
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	5	171.2	25.8	---	197.0
320 Forecast Production Research	---	---	---	---	---
330 Data Acquisition Research	---	---	---	---	---
340 Planning and Consultation	3	82.3	9.5	---	91.8
350 Communications	9	239.6	115.1	---	354.7
360 EDP Services	2	57.6	48.1	---	105.7
370 Training	---	---	15.0	---	15.0
380 Data Acquisition Services	18	517.7	414.0	157.0	1088.7
390 Management	2	58.5	5.5	6.0	70.0
395 Management Support	9	169.1	176.0	2.0	347.1
300 TOTAL(SA-2)	48	1296.0	809.0	165.0	2270.0
100 TOTAL (SA-1)	182	4598.6	6547.0	185.0	11330.6

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - PACIFIC REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	5	80.1	62.5	---	142.6
420 Reg. Consultation/Appl.	4	115.4	8.0	---	123.4
430 Nat. Consultation/Dev.	---	---	---	---	---
410 TOTAL(SA-2)	9	195.5	70.5	---	266.0
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services	---	---	---	---	---
462 Management	2	46.9	4.8	---	51.7
463 Management Support	---	---	---	---	---
460 TOTAL(SA-2)	2	46.9	4.8	---	51.7
400 TOTAL (SA-1)	11	242.4	75.3	---	317.7

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
 (Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - PACIFIC REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support					
810 TOTAL (SA-2)					
830 Common Support Services					
831 Personnel Services	---	---	3.0		3.0
840 Financial Services	---	---	---		---
850 General Administration	---	---	---		---
860 Public Information	---	---	4.0		4.0
870 Publications	---	---	---		---
880 Library Services	---	---	---		---
890 Grants/Contributions	---	---	---		---
830 TOTAL (SA-2)	---	---	7.0	---	7.0
800 TOTAL (SA-1)	0	0.0	7.0	---	7.0

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)*:
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research	41	1425.8	299.5	85.0	1810.3
330 Data Acquisition Research	21	711.6	338.3	291.0	1340.9
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management	2	70.8	32.2	---	103.0
395 Management Support	2	50.8	9.2	---	60.0
300 TOTAL(SA-2)	66	2259.0	679.2	376.0	3314.2
100 TOTAL (SA-1)	66	2259.0	679.2	376.0	3314.2

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics	20	604.0	211.2	103.0	918.2
635 Air Quality Monitoring	5	119.5	1.9	---	121.4
640 Impacts and Criteria	12	293.1	105.2	64.0	462.3
650 Processes	22	831.8	217.9	79.0	1128.7
630 TOTAL (SA-2)	59	1848.4	536.2	246.0	2630.6
660 Research - Other					
661 Stratospheric Pollution	6	215.9	363.4	128.0	707.3
662 Atmospheric Radiation	4	142.0	10.0	5.0	157.0
663 Ozone Monitoring	7	227.9	40.0	35.0	302.9
664 Solar Energy	---	---	200.0	100.0	300.0
665 Wind Energy	2	72.0	65.8	6.0	143.8
666 Cloud/Precip. Physics	3	104.8	31.8	55.0	191.6
667 Weather Modification	6	174.7	118.0	33.0	325.7
660 TOTAL (SA-2)	28	937.3	829.0	362.0	2128.3
670 Air Quality and Research Support					
671 Management	12	393.0	203.6	43.4	640.0
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave	3	48.0	2.5	---	50.5
675 EDP Services					
676 Visiting Fellowships		---	105.4	---	105.4
670 TOTALS (SA-2)	15	441.0	311.5	43.4	795.9
600 TOTAL (SA-1)	102	3226.7	1676.7	651.4	5554.8

SUB-ACTIVITY: 700 DEPARTMENTAL INTEGRATED PROGRAMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
710 EARP					
710 EARP					
710 TOTALS(SA-2)					
720 LRTAP					
720 LRTAP	2	50.0	727.0	94.0	871.0
720 TOTALS (SA-2)					
730 Toxic Chemicals					
730 Toxic Chemicals					
730 TOTALS (SA-2)					
740 Great Lakes Water Quality					
740 Great Lakes Water Quality					
740 TOTALS(SA-2)					
750 Baseline Studies					
750 Baseline Studies					
750 TOTALS(SA-2)					
700 TOTAL (SA-1)	2	50.0	727.0	94.0	871.0

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE -
METEOROLOGICAL SERVICES RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research	41	1425.8	299.5	85.0	1810.3
330 Data Acquisition Research	18	564.9	192.0	271.0	1027.9
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management	2	70.8	32.2		103.0
395 Management Support	2	50.8	9.2		60.0
300 TOTAL(SA-2)	63	2112.3	532.9	356.0	3001.2
100 TOTAL (SA-1)	63	2112.3	532.9	356.0	3001.2

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE
METEOROLOGICAL SERVICES RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics					
635 Air Quality Monitoring					
640 Impacts and Criteria					
650 Processes					
630 TOTAL (SA-2)					
660 Research - Other					
661 Stratospheric Pollution					
662 Atmospheric Radiation					
663 Ozone Monitoring					
664 Solar Energy					
665 Wind Energy	2	72.0	65.8	6.0	143.8
666 Cloud/Precip. Physics					
667 Weather Modification					
660 TOTAL (SA-2)	2	72.0	65.8	6.0	143.8
670 Air Quality and Research Support					
671 Management					
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave					
675 EDP Services					
676 Visiting Fellowships					
670 TOTALS (SA-2)					
600 TOTAL (SA-1)	2	72.0	65.8	6.0	143.8

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity,(SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE
ATMOSPHERIC PROCESSES RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research	3	146.7	146.3	20.0	313.0
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)	3	146.7	146.3	20.0	313.0
100 TOTAL (SA-1)	3	146.7	146.3	20.0	313.0

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity;(SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE
ATMOSPHERIC PROCESSES RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics					
635 Air Quality Monitoring					
640 Impacts and Criteria					
650 Processes					
630 TOTAL (SA-2)					
660 Research - Other					
661 Stratospheric Pollution	6	215.9	363.4	128.0	707.3
662 Atmospheric Radiation	4	142.0	10.0	5.0	157.0
663 Ozone Monitoring	7	227.9	40.0	35.0	302.9
664 Solar Energy	--	---	200.0	100.0	300.0
665 Wind Energy	--	---			
666 Cloud/Precip. Physics	3	104.8	31.8	55.0	191.6
667 Weather Modification	6	174.7	118.0	33.0	325.7
660 TOTAL (SA-2)	26	865.3	763.2	356.0	1984.5
670 Air Quality and Research Support					
671 Management	2	70.4	25.5	4.0	99.9
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave					
675 EDP Services					
676 Visiting Fellowships					
670 TOTALS (SA-2)	2	70.4	25.5	4.0	99.9
600 TOTAL (SA-1)	28	935.7	788.7	360.0	2084.4

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE
AIR QUALITY AND INTER-ENVIRONMENTAL RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics	20	604.0	211.2	103.0	918.2
635 Air Quality Monitoring	5	119.5	1.9	---	121.4
640 Impacts and Criteria	12	293.1	105.2	64.0	462.3
650 Processes	22	831.8	217.9	79.0	1128.7
630 TOTAL (SA-2)	59	1848.4	536.2	246.0	2630.6
660 Research - Other					
661 Stratospheric Pollution					
662 Atmospheric Radiation					
663 Ozone Monitoring					
664 Solar Energy					
665 Wind Energy					
666 Cloud/Precip. Physics					
667 Weather Modification					
660 TOTAL (SA-2)					
670 Air Quality and Research Support					
671 Management	6	179.0	122.2	24.0	325.2
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave					
675 EDP Services					
676 Visiting Fellowships					
670 TOTALS (SA-2)	6	179.0	122.2	24.0	325.2
600 TOTAL (SA-1)	65	2027.4	658.4	270.0	2955.8

SUB-ACTIVITY: 700 DEPARTMENTAL INTEGRATED PROGRAMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE -
AIR QUALITY AND INTER-ENVIRONMENTAL RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
710 EARP					
710 EARP					
710 TOTALS(SA-2)					
720 LRTAP					
720 LRTAP	2	50.0	727.0	94.0	871.0
720 TOTALS (SA-2)					
730 Toxic Chemicals					
730 Toxic Chemicals					
730 TOTALS (SA-2)					
740 Great Lakes Water Quality					
740 Great Lakes Water Quality					
740 TOTALS(SA-2)					
750 Baseline Studies					
750 Baseline Studies					
750 TOTALS(SA-2)					
700 TOTAL (SA-1)	2	50.0	727.0	94.0	871.0

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE - DIRECTOR GENERAL'S OFFICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics					
635 Air Quality Monitoring					
640 Impacts and Criteria					
650 Processes					
630 TOTAL (SA-2)					
660 Research - Other					
661 Stratospheric Pollution					
662 Atmospheric Radiation					
663 Ozone Monitoring					
664 Solar Energy					
665 Wind Energy					
666 Cloud/Precip. Physics					
667 Weather Modification					
660 TOTAL (SA-2)					
670 Air Quality and Research Support					
671 Management	7*	143.6	55.9	15.4	214.9
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave	—	48.0	2.5	—	50.5
675 EDP Services					
676 Visiting Fellowships		—	105.4	—	105.4
670 TOTALS (SA-2)	7*	191.6	163.8	15.4	370.8
600 TOTAL (SA-1)	7*	191.6	163.8	15.4	370.8

* Three PY's are for post M.Sc. project meteorologists.
PY's are held in the DG's office but salaries are distributed among Branches.

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research	1	17.2			17.2
340 Planning and Consultation			---	---	
350 Communications					
360 EDP Services	44	1180.3	1635.7	109.0	2925.0
370 Training	76	2268.5	417.7	50.0	2736.2
380 Data Acquisition Services	100	2863.3	619.2	341.9	3824.4
390 Management	1	40.0	5.0	---	45.0
395 Management Support	3	54.1	10.0	---	64.1
300 TOTAL(SA-2)	225	6423.4	2687.6	500.9	9611.9
100 TOTAL (SA-1)	225	6423.4	2687.6	500.9	9611.9

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services					
420 Reg. Consultation/Appl.					
430 Nat. Consultation/Dev.					
410 TOTAL(SA-2)					
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services	40	882.7	1040.4	---	1923.1
462 Management	---				
463 Management Support	---				
460 TOTAL(SA-2)	40	882.7	1040.4	---	1923.1
400 TOTAL (SA-1)	40	882.7	1040.4	---	1923.1

SUB-ACTIVITY: 500 ICE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
510 Ice Reconnaissance					
510 Ice Reconnaissance	28	902.2	7751.6	---	8653.8
510 TOTAL(SA-2)	28	902.2	7751.6	---	8653.8
520 Ice Forecasting					
521 Ice Forecasting Centre	13	401.5	50.1	---	451.6
522 Forecast Development	1	31.0	4.8	---	35.8
520 TOTAL(SA-2)	14	432.5	54.9	---	487.4
530 Ice Climate Services					
530 Ice Climate Services	4	140.9	19.5	---	160.4
530 TOTAL(SA-2)	4	140.9	19.5	---	160.4
540 Ice Services Support Systems					
541 Communication/Computers	--		145.1	---	145.1
542 Data System Dev./Maint.	1	40.0	390.4	---	430.4
543 Research	1	47.0	250.0	---	297.0
544 Management	2	58.0	18.5	10.0	86.5
545 Management Support	1	36.0	2.0	---	38.0
540 TOTAL(SA-2)	5	181.0	806.0	10.0	997.0
500 TOTAL (SA-1)	51	1656.6	8632.0	10.0	10298.6

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics					
635 Air Quality Monitoring					
640 Impacts and Criteria					
650 Processes					
630 TOTAL (SA-2)					
660 Research - Other					
661 Stratospheric Pollution					
662 Atmospheric Radiation					
663 Ozone Monitoring					
664 Solar Energy					
665 Wind Energy					
666 Cloud/Precip. Physics					
667 Weather Modification					
660 TOTAL (SA-2)					
670 Air Quality and Research Support					
671 Management					
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave					
675 EDP Services	4	82.6			82.6
676 Visiting Fellowships					
670 TOTALS (SA-2)	4	82.6			82.6
600 TOTAL (SA-1)	4	82.6			82.6

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management	---	---	---	---	---
820 Management Support	4	101.3	39.5	---	140.8
810 TOTAL (SA-2)	4	101.3	39.5	---	140.8
830 Common Support Services					
831 Personnel Services					
840 Financial Services					
850 General Administration			1.0		1.0
860 Public Information					
870 Publications	3	14.9	27.3		42.2
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)	3	14.9	28.3		43.2
800 TOTAL (SA-1)	7	116.2	67.8		184.0

SUB-ACTIVITY: 500 ICE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - ICE BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
510 Ice Reconnaissance					
510 Ice Reconnaissance	28	902.2	7751.6	---	8653.8
510 TOTAL(SA-2)	28	902.2	7751.6	---	8653.8
520 Ice Forecasting					
521 Ice Forecasting Centre	13	401.5	50.1		451.6
522 Forecast Development	1	31.0	4.8		35.8
520 TOTAL(SA-2)	14	432.5	54.9		487.4
530 Ice Climate Services					
530 Ice Climate Services	4	140.9	19.5		160.4
530 TOTAL(SA-2)	4	140.9	19.5		160.4
540 Ice Services Support Systems					
541 Communication/Computers			145.1		145.1
542 Data System Dev./Maint.	1	40.0	390.4		
543 Research	1	47.0	150.0		197.0
544 Management	2	58.0	18.5	10.0	86.5
545 Management Support	1	36.0	2.0	---	38.0
540 TOTAL(SA-2)	5	181.0	706.0	10.0	466.6
500 TOTAL (SA-1)	51	1656.6	8532.0	10.0	10198.6

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - TRAINING BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training	76	2268.5	417.7	50.0	2736.2
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)	76	2268.5	417.7	50.0	2736.2
100 TOTAL (SA-1)	76	2268.5	417.7	50.0	2736.2

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - DATA ACQUISITION SERVICES BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services	100	2863.3	619.2	341.9	3824.4
390 Management	1	40.0	5.0	---	45.0
395 Management Support	3	54.1	10.0	---	64.1
300 TOTAL(SA-2)	104	2957.4	634.2	341.9	3933.5
100 TOTAL (SA-1)	104	2957.4	634.2	341.9	3933.5

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - DATA ACQUISITION SERVICES BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support					
810 TOTAL (SA-2)					
830 Common Support Services					
831 Personnel Services					
840 Financial Services					
850 General Administration			1.0		1.0
860 Public Information					
870 Publications	3	14.9	27.3		42.2
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)	3	14.9	28.3		43.2
800 TOTAL (SA-1)	3	14.9	28.3		43.2

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - COMPUTING SERVICES BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services	44	1180.3	1635.7	109.0	2925.0
370 Training					
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)	44	1180.3	1635.7	109.0	2925.0
100 TOTAL (SA-1)	44	1180.3	1635.7	109.0	2925.0

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - COMPUTING SERVICES BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services					
420 Reg. Consultation/Appl.					
430 Nat. Consultation/Dev.					
410 TOTAL(SA-2)					
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services	40	882.7	1040.4	---	1923.1
462 Management					
463 Management Support					
460 TOTAL(SA-2)	40	882.7	1040.4	---	1923.1
400 TOTAL (SA-1)	40	882.7	1040.4	---	1923.1

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - COMPUTING SERVICES BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics					
635 Air Quality Monitoring					
640 Impacts and Criteria					
650 Processes					
630 TOTAL (SA-2)					
660 Research - Other					
661 Stratospheric Pollution					
662 Atmospheric Radiation					
663 Ozone Monitoring					
664 Solar Energy					
665 Wind Energy					
666 Cloud/Precip. Physics					
667 Weather Modification					
660 TOTAL (SA-2)					
670 Air Quality and Research Support					
671 Management					
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave					
675 EDP Services	4	82.6	---	---	82.6
676 Visiting Fellowships					
670 TOTALS (SA-2)	4	82.6	---	---	82.6
600 TOTAL (SA-1)	4	82.6	---	---	82.6

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest, \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - DIRECTOR GENERAL'S OFFICE

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research	1	17.2	---	---	17.2
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)	1	17.2	---	---	17.2
100 TOTAL (SA-1)	1	17.2	---	---	17.2

SUB-ACTIVITY: 500 ICE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - DIRECTOR GENERAL'S OFFICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
510 Ice Reconnaissance					
510 Ice Reconnaissance					
510 TOTAL(SA-2)					
520 Ice Forecasting					
521 Ice Forecasting Centre					
522 Forecast Development					
520 TOTAL(SA-2)					
530 Ice Climate Services					
530 Ice Climate Services					
530 TOTAL(SA-2)					
540 Ice Services Support Systems					
541 Communication/Computers					
542 Data System Dev./Maint.					
543 Research		---	100.0	---	100.0
544 Management					
545 Management Support					
540 TOTAL(SA-2)	--	---	100.0	---	100.0
500 TOTAL (SA-1)	--	---	100.0	---	100.0

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - DIRECTOR GENERAL'S OFFICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support	4	101.3	39.5	---	140.8
810 TOTAL (SA-2)	4	101.3	39.5	---	140.8
830 Common Support Services					
831 Personnel Services					
840 Financial Services					
850 General Administration					
860 Public Information					
870 Publications					
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)					
800 TOTAL (SA-1)	4	101.3	39.5	---	140.8

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CANADIAN CLIMATE CENTRE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	47	1056.8	65.0	25.0	1146.8
420 Reg. Consultation/Appl.					
430 Nat. Consultation/Dev.	46	1313.8	617.8	110.5	2042.1
410 TOTAL(SA-2)	93	2370.6	682.8	135.5	3188.9
450 Climate Research					
451 Numerical Modelling	8	288.3	15.7	3.0	307.0
452 Diagnostics	6	232.5	16.6	---	249.1
453 Processes	3	98.0	27.4	10.0	135.4
450 TOTAL(SA-2)	17	618.8	59.7	13.0	691.5
460 Climate Prog. Support System					
461 EDP Services					
462 Management	3	140.0	18.9	---	158.9
463 Management Support	6	107.4	200.1	8.2	315.7
460 TOTAL(SA-2)	9	247.4	219.0	8.2	474.6
400 TOTAL (SA-1)	119	3236.8	961.5	156.7	4355.0

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CANADIAN CLIMATE CENTRE
CLIMATOLOGICAL APPLICATIONS BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	47	1056.8	65.0	25.0	1146.8
420 Reg. Consultation/Appl.					
430 Nat. Consultation/Dev.	41	1189.8	610.8	100.5	1901.1
410 TOTAL(SA-2)	88	2246.6	675.8	125.5	3047.9
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes	2	71.9	23.7	10.0	105.6
450 TOTAL(SA-2)	2	71.9	23.7	10.0	105.6
460 Climate Prog. Support System					
461 EDP Services					
462 Management	1	46.0	8.0		54.0
463 Management Support	1	17.6	1.5		19.1
460 TOTAL(SA-2)	2	63.6	9.5	---	73.1
400 TOTAL (SA-1)	92	2382.1	709.0	135.5	3226.6

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CANADIAN CLIMATE CENTRE - DIRECTOR GENERAL'S OFFICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services					
420 Reg. Consultation/Appl.					
430 Nat. Consultation/Dev.	5	124.0	7.0	10.0	141.0
410 TOTAL(SA-2)	5	124.0	7.0	10.0	141.0
450 Climate Research					
451 Numerical Modelling	8	288.3	15.7	3.0	307.0
452 Diagnostics	6	232.5	16.6	---	249.1
453 Processes	1	26.1	3.7	---	29.8
450 TOTAL(SA-2)	15	546.9	36.0	3.0	585.9
460 Climate Prog. Support System					
461 EDP Services					
462 Management	2	94.0	10.9	---	104.9
463 Management Support	5	89.8	198.6	8.2	296.6
460 TOTAL(SA-2)	7	183.8	209.5	8.2	401.5
400 TOTAL (SA-1)	27	854.7	252.5	21.2	1128.4

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CANADIAN FORCES WEATHER SERVICE

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing	57	1799.5	222.4	---	2021.9
160 Data	3	79.6	254.5	---	334.1
170 Consultation and Coord.	21	776.3	40.2	---	816.5
180 CFWS Support Systems	20	751.6	822.9	---	1574.5
150 TOTAL(SA-2)	101	3407.0	1340.0	---	4747.0
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)					
100 TOTAL (SA-1)	101	3407.0	1340.0	---	4747.0

APPENDIX J
ATMOSPHERIC ENVIRONMENT SERVICE
ORGANIZATIONAL UNITS AND THEIR 1981-82 BUDGETS
CONTRIBUTING TO THE
WEATHER SERVICES
SUB-ACTIVITY

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC ENVIRONMENT SERVICE

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	172	4983.4	51.0	---	5034.4
112 Provision of Services	292	7517.3	681.6	---	8198.9
110 TOTAL(SA-2)	464	12500.7	732.6	---	13233.3
120 Marine Weather Services					
121 Forecast Operations	9	316.0	---	---	316.0
122 Provision of Services	2	46.0	---	---	46.0
120 TOTAL(SA-2)	11	362.0	---	---	362.0
130 Aviation Weather Services					
131 Forecast Operations	56	1658.1	2.0	---	1660.1
132 Provision of Services	56	1360.0	110.3	---	1470.3
138 Aviation Observations	15	299.0	457.2	---	756.2
130 TOTAL(SA-2)	127	3317.1	569.5	---	3886.6
140 Economic Weather Services					
141 Forecast Operations	16	482.4	4.0	---	486.4
142 Provision of Services			20.4		20.4
140 TOTAL(SA-2)	16	482.4	24.4	---	506.8
150 Canadian Forces Wx Service					
151 Forecasting and Briefing	57	1799.5	222.4		2021.9
160 Data	3	79.6	254.5		334.1
170 Consultation and Coord.	21	776.3	40.2		816.5
180 CFWS Support Systems	20	751.6	822.9		1574.5
150 TOTAL(SA-2)	101	3407.0	1340.0	---	4747.0
200 Data					
210 Surface Wx Observations	140	3224.3	2136.3	---	5360.6
220 Upper Air Stations	160	5200.9	9561.6	9.0	14771.5
230 Other Observations	5	185.0	174.0	20.0	379.0
200 TOTAL(SA-2)	305	8610.2	11871.9	29.0	20511.1
300 Wx. Services Support Systems					
301 CMC	67	2264.6	112.2	9.0	2385.8
310 Forecast Operations Support	57	1668.6	721.2	38.0	2427.8
320 Forecast Production Research	41	1425.8	299.5	85.0	1810.3
330 Data Acquisition Research	22	728.8	338.3	291.0	1358.1
340 Planning and Consultation	29	976.3	173.2	40.0	1189.5
350 Communications	97	2372.4	4202.6	---	6575.0
360 EDP Services	68	1859.1	1793.9	484.0	4137.0
370 Training	94	3228.0	634.3	50.0	3912.3
380 Data Acquisition Services	253	6866.9	3516.1	7751.9	18134.9
390 Management	24	670.1	742.0	24.0	1436.1
395 Management Support	77	1689.6	3199.5	582.5	5471.6
300 TOTAL(SA-2)	829	23750.2	15732.8	9355.4	48838.4
100 TOTAL (SA-1)	1853	52429.6	30271.2	9384.4	92085.2

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ADMINISTRATION BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training	17	939.8	53.0	---	992.8
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)		939.8	53.0	---	992.8
100 TOTAL (SA-1)	17	939.8	53.0	---	992.8

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE-(HEADQUARTERS + REGIONS)*

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	172	4983.4	51.0	---	5034.4
112 Provision of Services	292	7517.3	681.6	---	8198.9
110 TOTAL(SA-2)	464	12500.7	732.6	---	13233.3
120 Marine Weather Services					
121 Forecast Operations	9	316.0	---	---	316.0
122 Provision of Services	2	46.0	---	---	46.0
120 TOTAL(SA-2)	11	362.0	---	---	362.0
130 Aviation Weather Services					
131 Forecast Operations	56	1658.1	2.0		1660.1
132 Provision of Services	56	1360.0	110.3		1470.3
138 Aviation Observations	15	299.0	457.2		756.2
130 TOTAL(SA-2)	127	3317.1	569.5	---	3886.6
140 Economic Weather Services					
141 Forecast Operations	16	482.4	24.4	---	506.8
142 Provision of Services	---	---			
140 TOTAL(SA-2)	16	482.4	24.4	---	506.8
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	140	3224.3	2136.3	---	5360.6
220 Upper Air Stations	160	5200.9	9561.6	9.0	14771.5
230 Other Observations	5	185.0	174.0	20.0	379.0
200 TOTAL(SA-2)	305	8610.2	11871.9	29.0	20511.1
300 Wx. Services Support Systems					
301 CMC	67	2264.6	112.2	9.0	2385.8
310 Forecast Operations Support	57	1668.6	721.2	38.0	2427.8
320 Forecast Production Research	---	---	---	---	---
330 Data Acquisition Research	---	---	---	---	---
340 Planning and Consultation	29	976.3	173.2	40.0	1189.5
350 Communications	97	2372.4	4202.6	---	6575.0
360 EDP Services	24	678.8	158.2	375.0	1212.0
370 Training	1	19.7	163.6	---	183.3
380 Data Acquisition Services	153	4003.6	2896.9	7410.0	14310.5
390 Management	21	559.3	704.8	24.0	1288.1
395 Management Support	72	1584.7	3180.3	582.5	5347.5
300 TOTAL(SA-2)	521	14128.0	12313.0	8478.5	34919.5
100 TOTAL (SA-1)	1444	39400.4	25511.4	8507.5	73419.3

* Does not include Canadian Forces Weather Service

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE-HEADQUARTERS

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	6	184.9	13.0	---	197.9
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation	8	351.0	18.4	4.0	373.4
350 Communications	23	615.1	3839.7	---	4454.8
360 EDP Services	5	173.2	67.0	375.0	615.2
370 Training					
380 Data Acquisition Services	19	471.4	226.9	6731.0	7429.3
390 Management	6	180.8	56.0	1.0	237.8
395 Management Support	12	294.0	943.6	10.0	1247.6
300 TOTAL(SA-2)	79	2270.4	5164.6	7121.0	14556.0
100 TOTAL (SA-1)	79	2270.4	5164.6	7121.0	14556.0

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - CANADIAN METEOROLOGICAL CENTRE

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC	67	2264.6	112.2	9.0	2385.8
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)	67	2264.6	112.2	9.0	2385.8
100 TOTAL (SA-1)	67	2264.6	112.2	9.0	2385.8

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - ATLANTIC REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	39	1067.8	33.1	---	1100.9
112 Provision of Services	64	1522.8	117.2	---	1640.0
110 TOTAL(SA-2)	103	2590.6	150.3	---	2740.9
120 Marine Weather Services					
121 Forecast Operations	2	79.0	---	---	79.0
122 Provision of Services	2	46.0	---	---	46.0
120 TOTAL(SA-2)	4	125.0	---	---	125.0
130 Aviation Weather Services					
131 Forecast Operations	10	316.0	---	---	316.0
132 Provision of Services	6	138.0	---	---	318.0
138 Aviation Observations		---	---	---	---
130 TOTAL(SA-2)	16	454.0	---	---	454.0
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	11	231.8	263.4	---	495.2
220 Upper Air Stations	27	694.9	556.6	---	1251.5
230 Other Observations		---	90.8	---	90.8
200 TOTAL(SA-2)	38	926.7	910.8	---	1837.5
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	9	215.3	10.2	---	225.5
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation	4	108.1	17.2	---	125.3
350 Communications	21	458.8	191.7	---	650.5
360 EDP Services	4	102.1	2.9	---	105.0
370 Training	1	19.7	1.6	---	21.3
380 Data Acquisition Services	13	346.7	276.9	---	623.6
390 Management	2	67.8	4.1	---	71.9
395 Management Support	7	204.2	361.2	242.0	807.4
300 TOTAL(SA-2)	61	1522.7	865.8	242.0	2630.5
100 TOTAL (SA-1)	222	5619.0	1926.9	242.0	7787.9

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - QUEBEC REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	31	991.1	1.5	---	992.6
112 Provision of Services	29	855.8	134.1	---	989.9
110 TOTAL(SA-2)	60	1846.9	135.6	---	1982.5
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations	5	149.1	---	---	149.1
132 Provision of Services	17	438.1	61.2	---	499.3
138 Aviation Observations	5	88.8	13.4	---	102.2
130 TOTAL(SA-2)	27	676.0	74.6	---	750.6
140 Economic Weather Services					
141 Forecast Operations	6	132.0	4.0	---	136.0
142 Provision of Services					
140 TOTAL(SA-2)	6	132.0	4.0	---	136.0
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	29	721.0	525.8	---	1246.8
220 Upper Air Stations	24	749.5	750.9	---	1500.4
230 Other Observations	---	---	83.2	---	83.2
200 TOTAL(SA-2)	53	1470.5	1359.9	---	2830.4
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	8	217.9	159.4	3.0	380.3
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation	3	88.4	12.1	6.0	106.5
350 Communications	12	273.1	4.6		277.7
360 EDP Services	3	95.4	1.5		96.9
370 Training			34.0		34.0
380 Data Acquisition Services	18	506.4	564.0	152.5	1222.9
390 Management	2	63.5	2.5	---	66.0
395 Management Support	9	224.8	370.3	---	595.1
300 TOTAL(SA-2)	55	1469.5	1148.4	161.5	2779.4
100 TOTAL (SA-1)	201	5594.9	2722.5	161.5	8478.9

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - ONTARIO REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	8	273.7	---	---	273.7
112 Provision of Services	68	1202.2	8.0	---	1210.2
110 TOTAL(SA-2)	76	1475.9	8.0	---	1483.9
120 Marine Weather Services					
121 Forecast Operations	4	137.0	---	---	137.0
122 Provision of Services	---	---	---	---	---
120 TOTAL(SA-2)	4	137.0	---	---	137.0
130 Aviation Weather Services					
131 Forecast Operations	10	324.0	---	---	324.0
132 Provision of Services	7	519.6	---	---	519.6
138 Aviation Observations	---	---	---	---	---
130 TOTAL(SA-2)	17	843.6	---	---	843.6
140 Economic Weather Services					
141 Forecast Operations	4	125.0	---	---	125.0
142 Provision of Services	---	---	---	---	---
140 TOTAL(SA-2)	4	125.0	---	---	125.0
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	12	272.3	148.3	---	420.6
220 Upper Air Stations	3	166.1	66.7	9.0	241.8
230 Other Observations	---	---	---	---	---
200 TOTAL(SA-2)	15	438.4	215.0	9.0	662.4
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	6	207.0	144.4	15.0	366.4
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation	4	90.8	100.5	30.0	221.3
350 Communications	7	174.7	---	---	174.7
360 EDP Services	3	81.2	---	---	81.2
370 Training					
380 Data Acquisition Services	15	365.0	201.0	78.0	644.0
390 Management	4	63.8	6.5	17.0	87.3
395 Management Support	9	215.4	255.6	---	471.0
300 TOTAL(SA-2)	48	1197.9	708.0	140.0	2045.9
100 TOTAL (SA-1)	164	4217.8	931.0	149.0	5297.8

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - CENTRAL REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	42	1062.8	---	---	1062.8
112 Provision of Services	36	1134.5	206.8	---	1341.3
110 TOTAL(SA-2)	78	2197.3	206.8	---	2404.1
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations	10	289.0	2.0		291.0
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)	10	289.0	2.0		291.0
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	31	802.0	940.0	---	1742.0
220 Upper Air Stations	55	1874.1	2193.5	---	4067.6
230 Other Observations	---	---	---	---	---
200 TOTAL(SA-2)	86	2676.1	3133.5	---	5809.6
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	6	156.5	76.8	---	233.3
320 Forecast Production Research	---	---	---	---	---
330 Data Acquisition Research	---	---	---	---	---
340 Planning and Consultation	5	163.2	9.5	---	172.7
350 Communications	13	282.1	---	---	282.1
360 EDP Services	3	94.3	38.7	---	133.0
370 Training	---	---	60.5	---	60.5
380 Data Acquisition Services	41	1038.7	1008.3	---	2047.0
390 Management	2	59.9	6.0	---	65.9
395 Management Support	14	282.3	430.3	320.0	1032.6
300 TOTAL(SA-2)	84	2077.0	1630.1	320.0	4027.1
100 TOTAL (SA-1)	258	7239.4	4972.4	320.0	12531.8

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - WESTERN REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	29	832.8	---	---	832.8
112 Provision of Services	57	1929.2	166.8	---	2096.0
110 TOTAL(SA-2)	86	2762.0	166.8	---	2928.8
120 Marine Weather Services					
121 Forecast Operations	3	100.0	---	---	100.0
122 Provision of Services	---	---	---	---	---
120 TOTAL(SA-2)	3	100.0	---	---	100.0
130 Aviation Weather Services					
131 Forecast Operations	16	430.0	---	---	430.0
132 Provision of Services	19	97.5	37.0	---	134.5
138 Aviation Observations	2	39.0	---	---	39.0
130 TOTAL(SA-2)	37	566.5	37.0	---	603.5
140 Economic Weather Services					
141 Forecast Operations	5	190.4	---	---	190.4
142 Provision of Services	---	---	---	---	---
140 TOTAL(SA-2)	5	190.4	---	---	190.4
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	29	818.7	122.0	---	940.7
220 Upper Air Stations	32	1128.2	934.1	---	2062.3
230 Other Observations	---	---	---	---	---
200 TOTAL(SA-2)	61	1946.9	1056.1	---	3003.0
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	17	515.8	291.6	20.0	827.4
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation	2	92.5	6.0	---	98.5
350 Communications	12	329.0	51.5	---	380.5
360 EDP Services	4	75.0	---	---	75.0
370 Training	---	---	52.5	---	52.5
380 Data Acquisition Services	29	757.7	205.8	291.5	1255.0
390 Management	3	65.0	624.2	---	689.2
395 Management Support	12	194.9	643.3	8.5	846.7
300 TOTAL(SA-2)	79	2029.9	1874.9	320.0	4224.8
100 TOTAL (SA-1)	271	7595.7	3134.8	320.0	11050.5

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - PACIFIC REGION

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations	23	755.2	16.4	---	771.6
112 Provision of Services	38	872.8	48.7	---	921.5
110 TOTAL(SA-2)	61	1628.0	65.1	---	1693.1
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations	5	150.0	---	---	150.0
132 Provision of Services	7	166.8	12.1	---	178.9
138 Aviation Observations	8	171.2	443.8	---	615.0
130 TOTAL(SA-2)	20	488.0	455.9	---	943.9
140 Economic Weather Services					
141 Forecast Operations	1	35.0	---	---	35.0
142 Provision of Services		---	20.4	---	20.4
140 TOTAL(SA-2)	1	35.0	20.4	---	55.4
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations	28	378.5	136.8	---	515.3
220 Upper Air Stations	19	588.1	5059.8	---	5647.9
230 Other Observations	5	185.0	---	20.0	205.0
200 TOTAL(SA-2)	52	1151.6	5196.6	20.0	6368.2
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support	5	171.2	25.8	---	197.0
320 Forecast Production Research	---	---	---	---	---
330 Data Acquisition Research	---	---	---	---	---
340 Planning and Consultation	3	82.3	9.5	---	91.8
350 Communications	9	239.6	115.1	---	354.7
360 EDP Services	2	57.6	48.1	---	105.7
370 Training	---	---	15.0	---	15.0
380 Data Acquisition Services	18	517.7	414.0	157.0	1088.7
390 Management	2	58.5	5.5	6.0	70.0
395 Management Support	9	169.1	176.0	2.0	347.1
300 TOTAL(SA-2)	48	1296.0	809.0	165.0	2270.0
100 TOTAL (SA-1)	182	4598.6	6547.0	185.0	11330.6

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research	41	1425.8	299.5	85.0	1810.3
330 Data Acquisition Research	21	711.6	338.3	291.0	1340.9
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management	2	70.8	32.2	---	103.0
395 Management Support	2	50.8	9.2	---	60.0
300 TOTAL(SA-2)	66	2259.0	679.2	376.0	3314.2
100 TOTAL (SA-1)	66	2259.0	679.2	376.0	3314.2

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE -
METEOROLOGICAL SERVICES RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research	41	1425.8	299.5	85.0	1810.3
330 Data Acquisition Research	18	564.9	192.0	271.0	1027.9
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management	2	70.8	32.2		103.0
395 Management Support	2	50.8	9.2		60.0
300 TOTAL(SA-2)	63	2112.3	532.9	356.0	3001.2
100 TOTAL (SA-1)	63	2112.3	532.9	356.0	3001.2

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE
ATMOSPHERIC PROCESSES RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research	3	146.7	146.3	20.0	313.0
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)	3	146.7	146.3	20.0	313.0
100 TOTAL (SA-1)	3	146.7	146.3	20.0	313.0

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Services					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research	1	17.2			17.2
340 Planning and Consultation			---	---	
350 Communications					
360 EDP Services	44	1180.3	1635.7	109.0	2925.0
370 Training	76	2268.5	417.7	50.0	2736.2
380 Data Acquisition Services	100	2863.3	619.2	341.9	3824.4
390 Management	1	40.0	5.0	---	45.0
395 Management Support	3	54.1	10.0	---	64.1
300 TOTAL(SA-2)	225	6423.4	2687.6	500.9	9611.9
100 TOTAL (SA-1)	225	6423.4	2687.6	500.9	9611.9

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - TRAINING BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training	76	2268.5	417.7	50.0	2736.2
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)	76	2268.5	417.7	50.0	2736.2
100 TOTAL (SA-1)	76	2268.5	417.7	50.0	2736.2

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - DATA ACQUISITION SERVICES BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services	100	2863.3	619.2	341.9	3824.4
390 Management	1	40.0	5.0	---	45.0
395 Management Support	3	54.1	10.0	---	64.1
300 TOTAL(SA-2)	104	2957.4	634.2	341.9	3933.5
100 TOTAL (SA-1)	104	2957.4	634.2	341.9	3933.5

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - COMPUTING SERVICES BRANCH

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services	44	1180.3	1635.7	109.0	2925.0
370 Training					
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)	44	1180.3	1635.7	109.0	2925.0
100 TOTAL (SA-1)	44	1180.3	1635.7	109.0	2925.0

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - DIRECTOR GENERAL'S OFFICE

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing					
160 Data					
170 Consultation and Coord.					
180 CFWS Support Systems					
150 TOTAL(SA-2)					
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research	1	17.2	---	---	17.2
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)	1	17.2	---	---	17.2
100 TOTAL (SA-1)	1	17.2	---	---	17.2

SUB-ACTIVITY: 100 WEATHER SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CANADIAN FORCES WEATHER SERVICE

Sub-Sub-Sub-Activity	PY	SALARY	O&M	CAPITAL	TOTAL
110 Public Weather Services					
111 Forecast Operations					
112 Provision of Services					
110 TOTAL(SA-2)					
120 Marine Weather Services					
121 Forecast Operations					
122 Provision of Services					
120 TOTAL(SA-2)					
130 Aviation Weather Services					
131 Forecast Operations					
132 Provision of Services					
138 Aviation Observations					
130 TOTAL(SA-2)					
140 Economic Weather Services					
141 Forecast Operations					
142 Provision of Services					
140 TOTAL(SA-2)					
150 Canadian Forces Wx Service					
151 Forecasting and Briefing	57	1799.5	222.4	---	2021.9
160 Data	3	79.6	254.5	---	334.1
170 Consultation and Coord.	21	776.3	40.2	---	816.5
180 CFWS Support Systems	20	751.6	822.9	---	1574.5
150 TOTAL(SA-2)	101	3407.0	1340.0	---	4747.0
200 Data					
210 Surface Wx Observations					
220 Upper Air Stations					
230 Other Observations					
200 TOTAL(SA-2)					
300 Wx. Services Support Systems					
301 CMC					
310 Forecast Operations Support					
320 Forecast Production Research					
330 Data Acquisition Research					
340 Planning and Consultation					
350 Communications					
360 EDP Services					
370 Training					
380 Data Acquisition Services					
390 Management					
395 Management Support					
300 TOTAL(SA-2)					
100 TOTAL (SA-1)	101	3407.0	1340.0	---	4747.0

APPENDIX K
ATMOSPHERIC ENVIRONMENT SERVICE
ORGANIZATIONAL UNITS AND THEIR 1981-82 BUDGETS
CONTRIBUTING TO THE
CLIMATE SERVICES
SUB-ACTIVITY

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC ENVIRONMENT SERVICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	68	1476.8	740.2	28.0	2245.0
420 Reg. Consultation/Appl.	29	912.2	66.5	3.5	982.2
430 Nat. Consultation/Dev.	47	1335.8	622.5	110.5	2068.8
410 TOTAL(SA-2)	144	3724.8	1429.2	142.0	5296.0
450 Climate Research					
451 Numerical Modelling	8	288.3	15.7	3.0	307.0
452 Diagnostics	6	232.5	16.6	---	249.1
453 Processes	3	98.0	27.4	10.0	135.4
450 TOTAL(SA-2)	17	618.8	59.7	13.0	691.5
460 Climate Prog. Support System					
461 EDP Services	40	882.7	1040.4	---	1923.1
462 Management	15	464.1	48.8	8.0	520.9
463 Management Support	6	107.4	200.1	8.2	315.7
460 TOTAL(SA-2)	61	1454.2	1289.3	16.2	2759.7
400 TOTAL (SA-1)	222	5797.8	2778.2	171.2	8747.2

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE (HEADQUARTERS + REGIONS)*

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	21	420.0	675.2	3.0	1098.2
420 Reg. Consultation/Appl.	29	912.2	66.5	3.5	982.2
430 Nat. Consultation/Dev.	1	22.0	4.7	---	26.7
410 TOTAL(SA-2)	51	1354.2	746.4	6.5	2107.1
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)	--	---	---	---	---
460 Climate Prog. Support System					
461 EDP Services					
462 Management	12	324.1	29.9	8.0	362.0
463 Management Support					
460 TOTAL(SA-2)	12	324.1	29.9	8.0	362.0
400 TOTAL (SA-1)	63	1678.3	776.3	14.5	2469.1

* Does not include Canadian Forces Weather Service

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - ATLANTIC REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	3	60.5	29.1	---	89.6
420 Reg. Consultation/Appl.	8	249.6	31.1	---	280.7
430 Nat. Consultation/Dev.					
410 TOTAL(SA-2)	11	310.1	60.2	---	370.3
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services					
462 Management	2	58.9	2.1	---	61.0
463 Management Support					
460 TOTAL(SA-2)	2	58.9	2.1	---	61.0
400 TOTAL (SA-1)	13	369.0	62.3		431.3

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - QUEBEC REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	1	27.1	440.5	---	467.6
420 Reg. Consultation/Appl.	4	132.9	4.5	3.5	140.9
430 Nat. Consultation/Dev.					
410 TOTAL(SA-2)	5	160.0	445.0	3.5	608.5
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services					
462 Management	1	36.8	0.8	---	37.6
463 Management Support					
460 TOTAL(SA-2)	1	36.8	0.8	---	37.6
400 TOTAL (SA-1)	6	196.8	445.8	3.5	646.1

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - ONTARIO REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	5	116.2	34.8	3.0	154.0
420 Reg. Consultation/Appl.	4	125.8	7.8	---	133.6
430 Nat. Consultation/Dev.	---	---	---	---	---
410 TOTAL(SA-2)	9	242.0	42.6	3.0	287.6
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services	---	---	---	---	---
462 Management	2	60.2	6.4	8.0	74.6
463 Management Support	---	---	---	---	---
460 TOTAL(SA-2)	2	60.2	6.4	8.0	74.6
400 TOTAL (SA-1)	11	302.2	49.0	11.0	362.2

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - CENTRAL REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	3	57.9	48.8	---	106.7
420 Reg. Consultation/Appl.	7	220.9	14.1	---	235.0
430 Nat. Consultation/Dev.					
410 TOTAL(SA-2)	10	278.8	62.9	---	341.7
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services					
462 Management	2	58.8	5.0	---	63.8
463 Management Support					
460 TOTAL(SA-2)	2	58.8	5.0	---	63.8
400 TOTAL (SA-1)	12	337.6	67.9	---	405.5

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - WESTERN REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	4	78.2	59.5	---	137.7
420 Reg. Consultation/Appl.	2	67.6	1.0	---	68.6
430 Nat. Consultation/Dev.	1	22.0	4.7	---	26.7
410 TOTAL(SA-2)	7	167.8	65.2	---	233.0
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services					
462 Management	3	62.5	10.8	---	73.3
463 Management Support					
460 TOTAL(SA-2)	3	62.5	10.8	---	73.3
400 TOTAL (SA-1)	10	230.3	76.0	---	306.3

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - PACIFIC REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	5	80.1	62.5	---	142.6
420 Reg. Consultation/Appl.	4	115.4	8.0	---	123.4
430 Nat. Consultation/Dev.	---	---	---	---	---
410 TOTAL (SA-2)	9	195.5	70.5	---	266.0
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL (SA-2)					
460 Climate Prog. Support System					
461 EDP Services	---	---	---	---	---
462 Management	2	46.9	4.8	---	51.7
463 Management Support	---	---	---	---	---
460 TOTAL (SA-2)	2	46.9	4.8	---	51.7
400 TOTAL (SA-1)	11	242.4	75.3	---	317.7

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services					
420 Reg. Consultation/Appl.					
430 Nat. Consultation/Dev.					
410 TOTAL(SA-2)					
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services	40	882.7	1040.4	---	1923.1
462 Management	--				
463 Management Support	--				
460 TOTAL(SA-2)	40	882.7	1040.4	---	1923.1
400 TOTAL (SA-1)	40	882.7	1040.4	---	1923.1

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - COMPUTING SERVICES BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services					
420 Reg. Consultation/Appl.					
430 Nat. Consultation/Dev.					
410 TOTAL(SA-2)					
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes					
450 TOTAL(SA-2)					
460 Climate Prog. Support System					
461 EDP Services	40	882.7	1040.4	---	1923.1
462 Management					
463 Management Support					
460 TOTAL(SA-2)	40	882.7	1040.4	---	1923.1
400 TOTAL (SA-1)	40	882.7	1040.4	---	1923.1

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CANADIAN CLIMATE CENTRE

Sub-Sub-Sub-Activity	FY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	47	1056.8	65.0	25.0	1146.8
420 Reg. Consultation/Appl.					
430 Nat. Consultation/Dev.	46	1313.8	617.8	110.5	2042.1
410 TOTAL(SA-2)	93	2370.6	682.8	135.5	3188.9
450 Climate Research					
451 Numerical Modelling	8	288.3	15.7	3.0	307.0
452 Diagnostics	6	232.5	16.6	---	249.1
453 Processes	3	98.0	27.4	10.0	135.4
450 TOTAL(SA-2)	17	618.8	59.7	13.0	691.5
460 Climate Prog. Support System					
461 EDP Services					
462 Management	3	140.0	18.9	---	158.9
463 Management Support	6	107.4	200.1	8.2	315.7
460 TOTAL(SA-2)	9	247.4	219.0	8.2	474.6
400 TOTAL (SA-1)	119	3236.8	961.5	156.7	4355.0

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CANADIAN CLIMATE CENTRE
CLIMATOLOGICAL APPLICATIONS BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services	47	1056.8	65.0	25.0	1146.8
420 Reg. Consultation/Appl.					
430 Nat. Consultation/Dev.	41	1189.8	610.8	100.5	1901.1
410 TOTAL(SA-2)	88	2246.6	675.8	125.5	3047.9
450 Climate Research					
451 Numerical Modelling					
452 Diagnostics					
453 Processes	2	71.9	23.7	10.0	105.6
450 TOTAL(SA-2)	2	71.9	23.7	10.0	105.6
460 Climate Prog. Support System					
461 EDP Services					
462 Management	1	46.0	8.0		54.0
463 Management Support	1	17.6	1.5		19.1
460 TOTAL(SA-2)	2	63.6	9.5	---	73.1
400 TOTAL (SA-1)	92	2382.1	709.0	135.5	3226.6

SUB-ACTIVITY: 400 CLIMATE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CANADIAN CLIMATE CENTRE - DIRECTOR GENERAL'S OFFICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
410 Climate Services					
411 Climate Services					
420 Reg. Consultation/Appl.					
430 Nat. Consultation/Dev.	5	124.0	7.0	10.0	141.0
410 TOTAL(SA-2)	5	124.0	7.0	10.0	141.0
450 Climate Research					
451 Numerical Modelling	8	288.3	15.7	3.0	307.0
452 Diagnostics	6	232.5	16.6	---	249.1
453 Processes	1	26.1	3.7	---	29.8
450 TOTAL(SA-2)	15	546.9	36.0	3.0	585.9
460 Climate Prog. Support System					
461 EDP Services					
462 Management	2	94.0	10.9	---	104.9
463 Management Support	5	89.8	198.6	8.2	296.6
460 TOTAL(SA-2)	7	183.8	209.5	8.2	401.5
400 TOTAL (SA-1)	27	854.7	252.5	21.2	1128.4

APPENDIX L
ATMOSPHERIC ENVIRONMENT SERVICE
ORGANIZATIONAL UNITS AND THEIR 1981-82 BUDGETS
CONTRIBUTING TO THE
ICE SERVICES
SUB-ACTIVITY

SUB-ACTIVITY: 500 ICE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC ENVIRONMENT SERVICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
510 Ice Reconnaissance					
510 Ice Reconnaissance	28	902.2	7751.6	---	8653.8
510 TOTAL(SA-2)	28	902.2	7751.6	---	8653.8
520 Ice Forecasting					
521 Ice Forecasting Centre	13	401.5	50.1		451.6
522 Forecast Development	1	31.0	4.8		35.8
520 TOTAL(SA-2)	14	432.5	54.9		487.4
530 Ice Climate Services					
530 Ice Climate Services	4	140.9	19.5		160.4
530 TOTAL(SA-2)	4	140.9	19.5		160.4
540 Ice Services Support Systems					
541 Communication/Computers			145.1		145.1
542 Data System Dev./Maint.	1	40.0	390.4		430.4
543 Research	1	47.0	250.0		297.0
544 Management	2	58.0	18.5	10.0	86.5
545 Management Support	1	36.0	2.0	---	38.0
540 TOTAL(SA-2)	5	181.0	806.0	10.0	997.0
500 TOTAL (SA-1)	51	1656.6	8632.0	10.0	10298.6

SUB-ACTIVITY: 500 ICE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
510 Ice Reconnaissance					
510 Ice Reconnaissance	28	902.2	7751.6	---	8653.8
510 TOTAL(SA-2)	28	902.2	7751.6	---	8653.8
520 Ice Forecasting					
521 Ice Forecasting Centre	13	401.5	50.1	---	451.6
522 Forecast Development	1	31.0	4.8	---	35.8
520 TOTAL(SA-2)	14	432.5	54.9	---	487.4
530 Ice Climate Services					
530 Ice Climate Services	4	140.9	19.5	---	160.4
530 TOTAL(SA-2)	4	140.9	19.5	---	160.4
540 Ice Services Support Systems					
541 Communication/Computers	--		145.1	---	145.1
542 Data System Dev./Maint.	1	40.0	390.4	---	430.4
543 Research	1	47.0	250.0	---	297.0
544 Management	2	58.0	18.5	10.0	86.5
545 Management Support	1	36.0	2.0	---	38.0
540 TOTAL(SA-2)	5	181.0	806.0	10.0	997.0
500 TOTAL (SA-1)	51	1656.6	8632.0	10.0	10298.6

SUB-ACTIVITY: 500 ICE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - ICE BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
510 Ice Reconnaissance					
510 Ice Reconnaissance	28	902.2	7751.6	---	8653.8
510 TOTAL(SA-2)	28	902.2	7751.6	---	8653.8
520 Ice Forecasting					
521 Ice Forecasting Centre	13	401.5	50.1		451.6
522 Forecast Development	1	31.0	4.8		35.8
520 TOTAL(SA-2)	14	432.5	54.9		487.4
530 Ice Climate Services					
530 Ice Climate Services	4	140.9	19.5		160.4
530 TOTAL(SA-2)	4	140.9	19.5		160.4
540 Ice Services Support Systems					
541 Communication/Computers			145.1		145.1
542 Data System Dev./Maint.	1	40.0	390.4		430.4
543 Research	1	47.0	150.0		197.0
544 Management	2	58.0	18.5	10.0	86.5
545 Management Support	1	36.0	2.0	---	38.0
540 TOTAL(SA-2)	5	181.0	706.0	10.0	897.0
500 TOTAL (SA-1)	51	1656.6	8532.0	10.0	10198.6

SUB-ACTIVITY: 500 ICE SERVICES

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - DIRECTOR GENERAL'S OFFICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
510 Ice Reconnaissance					
510 Ice Reconnaissance					
510 TOTAL(SA-2)					
520 Ice Forecasting					
521 Ice Forecasting Centre					
522 Forecast Development					
520 TOTAL(SA-2)					
530 Ice Climate Services					
530 Ice Climate Services					
530 TOTAL(SA-2)					
540 Ice Services Support Systems					
541 Communication/Computers					
542 Data System Dev./Maint.					
543 Research		---	100.0	---	100.0
544 Management					
545 Management Support					
540 TOTAL(SA-2)	--	---	100.0	---	100.0
500 TOTAL (SA-1)	--	---	100.0	---	100.0

APPENDIX M
ATMOSPHERIC ENVIRONMENT SERVICE
ORGANIZATIONAL UNITS AND THEIR 1981-82 BUDGETS
CONTRIBUTING TO THE
AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH
SUB-ACTIVITY

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC ENVIRONMENT SERVICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics	20	604.0	211.2	103.0	918.2
635 Air Quality Monitoring	5	119.5	1.9	---	121.4
640 Impacts and Criteria	12	293.1	105.2	64.0	462.3
650 Processes	22	831.8	217.9	79.0	1128.7
630 TOTAL (SA-2)	59	1848.4	536.2	246.0	2630.6
660 Research - Other					
661 Stratospheric Pollution	6	215.9	363.4	128.0	707.3
662 Atmospheric Radiation	4	142.0	10.0	5.0	157.0
663 Ozone Monitoring	7	227.9	40.0	35.0	302.9
664 Solar Energy	---	---	200.0	100.0	300.0
665 Wind Energy	2	72.0	65.8	6.0	143.8
666 Cloud/Precip. Physics	3	104.8	31.8	55.0	191.6
667 Weather Modification	6	174.7	118.0	33.0	325.7
660 TOTAL (SA-2)	28	937.3	829.0	362.0	2128.3
670 Air Quality and Research Support					
671 Management	12	393.0	203.6	43.4	640.0
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave	3	48.0	2.5	---	50.5
675 EDP Services	4	82.6			82.6
676 Visiting Fellowships			105.4	---	105.4
670 TOTALS (SA-2)	19	523.6	311.5	43.4	878.5
600 TOTAL (SA-1)	106	3309.3	1676.7	651.4	5637.4

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics	20	604.0	211.2	103.0	918.2
635 Air Quality Monitoring	5	119.5	1.9	—	121.4
640 Impacts and Criteria	12	293.1	105.2	64.0	462.3
650 Processes	22	831.8	217.9	79.0	1128.7
630 TOTAL (SA-2)	59	1848.4	536.2	246.0	2630.6
660 Research - Other					
661 Stratospheric Pollution	6	215.9	363.4	128.0	707.3
662 Atmospheric Radiation	4	142.0	10.0	5.0	157.0
663 Ozone Monitoring	7	227.9	40.0	35.0	302.9
664 Solar Energy	—	—	200.0	100.0	300.0
665 Wind Energy	2	72.0	65.8	6.0	143.8
666 Cloud/Precip. Physics	3	104.8	31.8	55.0	191.6
667 Weather Modification	6	174.7	118.0	33.0	325.7
660 TOTAL (SA-2)	28	937.3	829.0	362.0	2128.3
670 Air Quality and Research Support					
671 Management	12	393.0	203.6	43.4	640.0
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave	3	48.0	2.5	—	50.5
675 EDP Services					
676 Visiting Fellowships		—	105.4	—	105.4
670 TOTALS (SA-2)	15	441.0	311.5	43.4	795.9
600 TOTAL (SA-1)	102	3226.7	1676.7	651.4	5554.8

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE
METEOROLOGICAL SERVICES RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics					
635 Air Quality Monitoring					
640 Impacts and Criteria					
650 Processes					
630 TOTAL (SA-2)					
660 Research - Other					
661 Stratospheric Pollution					
662 Atmospheric Radiation					
663 Ozone Monitoring					
664 Solar Energy					
665 Wind Energy	2	72.0	65.8	6.0	143.8
666 Cloud/Precip. Physics					
667 Weather Modification					
660 TOTAL (SA-2)	2	72.0	65.8	6.0	143.8
670 Air Quality and Research Support					
671 Management					
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave					
675 EDP Services					
676 Visiting Fellowships					
670 TOTALS (SA-2)					
600 TOTAL (SA-1)	2	72.0	65.8	6.0	143.8

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE
ATMOSPHERIC PROCESSES RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics					
635 Air Quality Monitoring					
640 Impacts and Criteria					
650 Processes					
630 TOTAL (SA-2)					
660 Research - Other					
661 Stratospheric Pollution	6	215.9	363.4	128.0	707.3
662 Atmospheric Radiation	4	142.0	10.0	5.0	157.0
663 Ozone Monitoring	7	227.9	40.0	35.0	302.9
664 Solar Energy	--	--	200.0	100.0	300.0
665 Wind Energy	--	--			
666 Cloud/Precip. Physics	3	104.8	31.8	55.0	191.6
667 Weather Modification	6	174.7	118.0	33.0	325.7
660 TOTAL (SA-2)	26	865.3	763.2	356.0	1984.5
670 Air Quality and Research Support					
671 Management	2	70.4	25.5	4.0	99.9
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave					
675 EDP Services					
676 Visiting Fellowships					
670 TOTALS (SA-2)	2	70.4	25.5	4.0	99.9
600 TOTAL (SA-1)	28	935.7	788.7	360.0	2084.4

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE
AIR QUALITY AND INTER-ENVIRONMENTAL RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics	20	604.0	211.2	103.0	918.2
635 Air Quality Monitoring	5	119.5	1.9	--	121.4
640 Impacts and Criteria	12	293.1	105.2	64.0	462.3
650 Processes	22	831.8	217.9	79.0	1128.7
630 TOTAL (SA-2)	59	1848.4	536.2	246.0	2630.6
660 Research - Other					
661 Stratospheric Pollution					
662 Atmospheric Radiation					
663 Ozone Monitoring					
664 Solar Energy					
665 Wind Energy					
666 Cloud/Precip. Physics					
667 Weather Modification					
660 TOTAL (SA-2)					
670 Air Quality and Research Support					
671 Management	6	179.0	122.2	24.0	325.2
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave					
675 EDP Services					
676 Visiting Fellowships					
670 TOTALS (SA-2)	6	179.0	122.2	24.0	325.2
600 TOTAL (SA-1)	65	2027.4	658.4	270.0	2955.8

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE - DIRECTOR GENERAL'S OFFICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics					
635 Air Quality Monitoring					
640 Impacts and Criteria					
650 Processes					
630 TOTAL (SA-2)					
660 Research - Other					
661 Stratospheric Pollution					
662 Atmospheric Radiation					
663 Ozone Monitoring					
664 Solar Energy					
665 Wind Energy					
666 Cloud/Precip. Physics					
667 Weather Modification					
660 TOTAL (SA-2)					
670 Air Quality and Research Support					
671 Management	7*	143.6	55.9	15.4	214.9
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave	—	48.0	2.5	—	50.5
675 EDP Services					
676 Visiting Fellowships		—	105.4	—	105.4
670 TOTALS (SA-2)	7*	191.6	163.8	15.4	370.8
600 TOTAL (SA-1)	7*	191.6	163.8	15.4	370.8

* Three PY's are for post M.Sc. project meteorologists.
PY's are held in the DG's office but salaries are distributed among Branches.

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics					
635 Air Quality Monitoring					
640 Impacts and Criteria					
650 Processes					
630 TOTAL (SA-2)					
660 Research - Other					
661 Stratospheric Pollution					
662 Atmospheric Radiation					
663 Ozone Monitoring					
664 Solar Energy					
665 Wind Energy					
666 Cloud/Precip. Physics					
667 Weather Modification					
660 TOTAL (SA-2)					
670 Air Quality and Research Support					
671 Management					
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave					
675 EDP Services	4	82.6			82.6
676 Visiting Fellowships					
670 TOTALS (SA-2)	4	82.6			82.6
600 TOTAL (SA-1)	4	82.6			82.6

SUB-ACTIVITY: 600 AIR QUALITY SERVICES AND ATMOSPHERIC RESEARCH

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - COMPUTING SERVICES BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
610 Air Quality Services					
610 Air Quality Services					
610 TOTAL (SA-2)					
630 Air Quality Research					
631 Dynamics					
635 Air Quality Monitoring					
640 Impacts and Criteria					
650 Processes					
630 TOTAL (SA-2)					
660 Research - Other					
661 Stratospheric Pollution					
662 Atmospheric Radiation					
663 Ozone Monitoring					
664 Solar Energy					
665 Wind Energy					
666 Cloud/Precip. Physics					
667 Weather Modification					
660 TOTAL (SA-2)					
670 Air Quality and Research Support					
671 Management					
672 Management Support					
673 Instrument Support to Res.					
674 PhD Leave					
675 EDP Services	4	82.6	---	---	82.6
676 Visiting Fellowships					
670 TOTALS (SA-2)	4	82.6	---	---	82.6
600 TOTAL (SA-1)	4	82.6	---	---	82.6

APPENDIX N
ATMOSPHERIC ENVIRONMENT SERVICE
ORGANIZATIONAL UNITS AND THEIR 1981-82 BUDGETS
CONTRIBUTING TO THE
DEPARTMENTAL INTEGRATED PROGRAMS
SUB-ACTIVITY

SUB-ACTIVITY: 700 DEPARTMENTAL INTEGRATED PROGRAMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: Atmospheric Environment Service

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
710 EARP					
710 EARP					
710 TOTALS(SA-2)					
720 LRTAP					
720 LRTAP	4	110.0	752.0	94.0	956.0
720 TOTALS (SA-2)	4	110.0	752.0	94.0	956.0
730 Toxic Chemicals					
730 Toxic Chemicals					
730 TOTALS (SA-2)					
740 Great Lakes Water Quality					
740 Great Lakes Water Quality					
740 TOTALS(SA-2)					
750 Baseline Studies					
750 Baseline Studies					
750 TOTALS(SA-2)					
700 TOTAL (SA-1)	4	110.0	752.0	94.0	956.0

SUB-ACTIVITY: 700 DEPARTMENTAL INTEGRATED PROGRAMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ASSISTANT DEPUTY MINISTER

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
710 EARP					
710 EARP					
710 TOTALS(SA-2)					
720 LRTAP					
720 LRTAP	2	60.0	25.0	---	85.0
720 TOTALS (SA-2)	2	60.0	25.0	---	85.0
730 Toxic Chemicals					
730 Toxic Chemicals					
730 TOTALS (SA-2)					
740 Great Lakes Water Quality					
740 Great Lakes Water Quality					
740 TOTALS(SA-2)					
750 Baseline Studies					
750 Baseline Studies					
750 TOTALS(SA-2)					
700 TOTAL (SA-1)	2	60.0	25.0	---	85.0

SUB-ACTIVITY: 700 DEPARTMENTAL INTEGRATED PROGRAMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
710 EARP					
710 EARP					
710 TOTALS(SA-2)					
720 LRTAP					
720 LRTAP	2	50.0	727.0	94.0	871.0
720 TOTALS (SA-2)					
730 Toxic Chemicals					
730 Toxic Chemicals					
730 TOTALS (SA-2)					
740 Great Lakes Water Quality					
740 Great Lakes Water Quality					
740 TOTALS(SA-2)					
750 Baseline Studies					
750 Baseline Studies					
750 TOTALS(SA-2)					
700 TOTAL (SA-1)	2	50.0	727.0	94.0	871.0

SUB-ACTIVITY: 700 DEPARTMENTAL INTEGRATED PROGRAMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC RESEARCH DIRECTORATE -
AIR QUALITY AND INTER-ENVIRONMENTAL RESEARCH BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
710 EARP					
710 EARP					
710 TOTALS(SA-2)					
720 LRTAP					
720 LRTAP	2	50.0	727.0	94.0	871.0
720 TOTALS (SA-2)					
730 Toxic Chemicals					
730 Toxic Chemicals					
730 TOTALS (SA-2)					
740 Great Lakes Water Quality					
740 Great Lakes Water Quality					
740 TOTALS(SA-2)					
750 Baseline Studies					
750 Baseline Studies					
750 TOTALS(SA-2)					
700 TOTAL (SA-1)	2	50.0	727.0	94.0	871.0

APPENDIX O
ATMOSPHERIC ENVIRONMENT SERVICE
ORGANIZATIONAL UNITS AND THEIR 1981-82 BUDGETS
CONTRIBUTING TO THE
MANAGEMENT AND COMMON SUPPORT SYSTEMS
SUB-ACTIVITY

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ATMOSPHERIC ENVIRONMENT SERVICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management	5	148.0	13.2		161.2
820 Management Support	17	774.8	231.4		1006.2
810 TOTAL (SA-2)	22	922.8	244.6		1167.4
830 Common Support Services					
831 Personnel Services			131.0		131.0
840 Financial Services	18	4616.6	1804.0	49.6	6470.2
850 General Administration	45	897.0	1600.8	66.4	2564.2
860 Public Information	--	--	144.0	--	144.0
870 Publications	6	75.5	136.8	--	212.3
880 Library Services	9	189.1	85.0	5.0	279.1
890 Grants/Contributions			965.2	--	965.2
830 TOTAL (SA-2)	78	5778.2	4866.8	121.0	10766.0
800 TOTAL (SA-1)	100	6701.0	5111.4	121.0	11933.4

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ASSISTANT DEPUTY MINISTER

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management	5	148.0	13.2		161.2
820 Management Support	10	585.4	136.9		722.3
810 TOTAL (SA-2)	15	733.4	150.1		883.5
830 Common Support Services					
831 Personnel Services					
840 Financial Services					
850 General Administration					
860 Public Information					
870 Publications					
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)					
800 TOTAL (SA-1)	15	733.4	150.1		883.5

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: ADMINISTRATION BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support	3	88.1	55.0	---	143.1
810 TOTAL (SA-2)	3	88.1	55.0	---	143.1
830 Common Support Services					
831 Personnel Services			90.0	---	90.0
840 Financial Services	18	4616.6	1804.0	49.6	6470.2
850 General Administration	45	897.0	1599.8	66.4	2563.2
860 Public Information		---	140.0	---	140.0
870 Publications	3	60.6	109.5	---	170.1
880 Library Services	9	189.1	85.0	5.0	279.1
890 Grants/Contributions		---	965.2	---	965.2
830 TOTAL (SA-2)	75	5763.3	4793.5	121.0	10677.8
800 TOTAL (SA-1)	78	5851.4	4848.5	121.0	10820.9

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE (HEADQUARTERS + REGIONS)*

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support					
810 TOTAL (SA-2)	--	---	---	---	---
830 Common Support Services					
831 Personnel Services			41.0		41.0
840 Financial Services					
850 General Administration					
860 Public Information			4.0		4.0
870 Publications					
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)	--	---	45.0	---	45.0
800 TOTAL (SA-1)	--	---	45.0	---	45.0

* Does not include Canadian Forces Weather Service

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - ATLANTIC REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support					
810 TOTAL (SA-2)					
830 Common Support Services					
831 Personnel Services		---	38.0	---	38.0
840 Financial Services					
850 General Administration					
860 Public Information					
870 Publications					
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)			38.0	---	38.0
800 TOTAL (SA-1)			38.0		38.0

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: FIELD SERVICES DIRECTORATE - PACIFIC REGION

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support					
810 TOTAL (SA-2)					
830 Common Support Services					
831 Personnel Services	--	---	3.0		3.0
840 Financial Services	--	---	---		---
850 General Administration	--	---	---		---
860 Public Information	--	---	4.0		4.0
870 Publications	--	---	---		---
880 Library Services	--	---	---		---
890 Grants/Contributions	--	---	---		---
830 TOTAL (SA-2)	--	---	7.0	---	7.0
800 TOTAL (SA-1)	0	0.0	7.0	---	7.0

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management	--	---	---	---	---
820 Management Support	4	101.3	39.5	---	140.8
810 TOTAL (SA-2)	4	101.3	39.5	---	140.8
830 Common Support Services					
831 Personnel Services					
840 Financial Services					
850 General Administration			1.0		1.0
860 Public Information					
870 Publications	3	14.9	27.3		42.2
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)	3	14.9	28.3		43.2
800 TOTAL (SA-1)	7	116.2	67.8		184.0

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - DATA ACQUISITION SERVICES BRANCH

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support					
810 TOTAL (SA-2)					
830 Common Support Services					
831 Personnel Services					
840 Financial Services					
850 General Administration			1.0		1.0
860 Public Information					
870 Publications	3	14.9	27.3		42.2
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)	3	14.9	28.3		43.2
800 TOTAL (SA-1)	3	14.9	28.3		43.2

SUB-ACTIVITY: 800 MANAGEMENT AND COMMON SUPPORT SYSTEMS

1981-82 Budget by Sub-Sub-Activity (SA-2) and Sub-Sub-Sub-Activity (SA-3)
(Nearest \$000)

ORGANIZATION: CENTRAL SERVICES DIRECTORATE - DIRECTOR GENERAL'S OFFICE

Sub-Sub-Sub-Activity	PY	Salary	O&M	Capital	Total
810 Management					
811 Departmental Management					
820 Management Support	4	101.3	39.5	---	140.8
810 TOTAL (SA-2)	4	101.3	39.5	---	140.8
830 Common Support Services					
831 Personnel Services					
840 Financial Services					
850 General Administration					
860 Public Information					
870 Publications					
880 Library Services					
890 Grants/Contributions					
830 TOTAL (SA-2)					
800 TOTAL (SA-1)	4	101.3	39.5	---	140.8

