

CATALOGUE OF BOREHOLES
2 - GEOTHERMAL ENERGY HOLES

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Crustal Studies
Division of Gravity, Geothermics & Geodynamics
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Department of Energy, Mines & Resources

PETROLEUM RESOURCES BRANCH
ASSESSMENT REPORT
NO. <u>GT. 52</u> ENCLOSURES <u> </u>

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THE GEOTHERMAL ENERGY DRILLING PROGRAMME

From 1974 to 1984 the Earth Physics Branch and Geological Survey, participating in the Geothermal Energy Programme, drilled 28 holes of depth greater than 100 m and 66 shallower holes for geothermal research. In addition, British Columbia Hydro and Power Authority have drilled three holes to depths greater than 3000 m, 17 research holes of greater than 100 m, and several shallower holes in and around the Meager Mountain Volcanic Complex. This report contains information on all holes drilled in Canada for the purpose of research or exploration of geothermal energy, whoever may have been the promoter of the drilling, with the exception of the shallow holes drilled by B.C. Hydro. It does not attempt to include the many holes that were originally drilled for other purposes but which have provided information useful to the subject of geothermal energy. The holes in this report have provided an excellent nucleus of information on the potential for geothermal development on Canada, and at the same time they have provided an opportunity for research into the more fundamental nature of the earth's crust, including the complex questions of hydrothermal systems, mineral deposit, and fluid dynamics of sedimentary basins.

The sites are distributed from Vancouver Island to Nova Scotia, and they sample many of the main areas of anticipated geothermal resources. Notable exceptions to this sampling are the Sverdrup Basin, the northern Cordillera, and the Alberta Basin. Although a major concentration of holes around Mt. Meager has been designed to give local knowledge, sites are generally far too few to answer all the questions concerning resources of any particular locality.

Holes drilled by or on behalf of British Columbia Hydro and Power Authority were under the general supervision of their geological consultants Nevin, Sadlier-Brown, Goodbrand Ltd., of Vancouver. These holes have had two sets of identifying numbers defined by NSBG, as well as the numbers allocated by EPB, by which all holes are ordered in this list. Cores of these holes, where taken, have been stored at the storage facility of the Geological Survey in Vancouver, as reflected in this report. However, these cores will probably be removed to provincial storage at Charlie Lake.

ABBREVIATIONS AND ADDRESSES

Abbreviations in data:

BCH - British Columbia Hydro and Power Authority
EPB - Earth Physics Branch
DEMR - Dept. Energy, Mines and Resources.
GSC - Geological Survey of Canada
NSBG - Nevin, Sadlier-Brown, Goodbrand Ltd

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PUBLICATION OF SCIENTIFIC DATA AND CONCLUSIONS

Results and analysis of measurements in these holes and others been published in the following papers:

Davis, E.E. and Lewis, T.J.

Heat flow in a back-arc environment: Intermontane and Omineca Crystalline Belts, southern Canadian cordillera.

Can.J.Earth Sci.,21,715-726,1984.

Holes 310-1, 310-2 and shallow holes 311 to 314, 316 to 318, 322, 323, 326 to 330, 334 to 338, 340, 342

Lewis, J.F. and Jessop, A.M.

Heat flow in the Garibaldi Volcanic Belt, a possible Canadian geothermal energy resource area.

Can.J.Earth Sci.,18,366-375,1981.

Holes 303-1, 303-2, 304-1, 304-2.

Lewis, T.J., Jessop, A.M. and Judge, A.S.

Heat flux measurements in southwestern British Columbia: the thermal consequences of plate tectonics.

Can.J.Earth Sci.,22,1262-1273,1985.

Holes 305-1 and 305-2.

Lewis, T.J. and Souther, J.G.

Meager mountain, B.C. - a possible geothermal energy resource.

Earth Phys.Br., Geothermal Series 9,17pp,1978.

Holes 301-1 to 301-6

Reader, J.F. and Fairbank, B.D.

Heat flow in the vicinity of the Meager Volcanic Complex, southwestern British Columbia.

Trans.Geothermal Resour.Coun.,7,535-539,1983.

Holes 306-1 to 306-8, 307-1 to 307-10

Details of measurements and drilling are given in the
following Open Files of the Earth Physics Branch:

Bentkowski, W.H. and Lewis, T.J.

Preliminary results from shallow drilling in the Garibaldi Volcanic Belt, B.C.

Earth Physics Branch Open File 83-23, 39pp, 1983.

Holes 451-465

Bentkowski, W.H. and Lewis, T.J.

Preliminary results from shallow drilling in the Alert Bay Volcanic Belt.

Earth Physics Branch Open File 84-2, 17pp, 1984.

Holes 466-473

Bentkowski, W.H. and Lewis, T.J.

Preliminary results from shallow drilling in the Anahim Volcanic Belt.

Earth Physics Branch Open File 85-9, 19pp, 1985.

Holes 474-489

Lewis, T.J., Allen, V.S., Taylor, A.E. and Jessop, A.M.

Temperature observations during drilling of two 400 m wells in the Coryell Intrusives north of Grand Forks, B.C.

Earth Physics Branch Open File 79-2, 23pp, 1979.

Holes 305-1 and 305-2

Lewis, T.J., Bennetts, H., Allen, V.S. and Chan, F.

Uranium, thorium and potassium concentrations and heat generation in samples of crustal rocks: a data file.

Earth Physics Branch Open File 84-15, 163pp, 1984.

Many holes

Lewis, T.J. and Werner, L.

Geothermal gradients on the west side of Okanagan Lake, B.C.

Earth Physics Branch Open File 82-6, 58pp, 1982.

Holes 310-1 and 310-2

1 - IDENTIFICATION AND POSITION

Name:	Meager Creek	Number	301-2
Location:	50 34.6N 123 27.8W		10 5602640 467200
Elevation:	583 m		

2 - DRILLING OPERATIONS

Drilling Supervisor: J.G. Souther
Drilling Company:

3 - SIZE AND DEPTH

Total depth: 118 m
Angle: -90
Diameter:
Casing:

4 - DATES OF OPERATIONS

Dates of drilling: 26.03.74 to 31.03.74
Dates of logging: 26.03.74 to 31.03.74
Last visit: 31.03.74
Present condition: Destroyed by creek action

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC storage, Vancouver
Condition of core: Abbreviated to 20%
Geological summary: Quartz diorite
Measurements made: Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility: Within 200 m by road vehicle, and by wading a major creek
Notes for finding: No longer detectable on surface
Further information: J.G. Souther

1 - IDENTIFICATION AND POSITION

Name:	Meager Creek	Number	301-3
Location:	50 34.0N 123 28.5W		10 5601440 466350
Elevation:	635 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	74-H-1 or M1-74D
Drilling Company:			

3 - SIZE AND DEPTH

Total depth:	347 m
Angle:	-90
Diameter:	48 mm below casing
Casing:	48 mm, BXWL rods to 124 m

4 - DATES OF OPERATIONS

Dates of drilling:	27.11.74 to 05.02.75
Dates of logging:	30.11,74, 17.12.74, 07.01.75, 06.02.75
Last visit:	
Present condition:	Capped and preserved

5 - CORES AND SAMPLES

Core taken:	Total in bedrock
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Gravels to 124 m, quartz diorite to TD
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Helicopter at time of drilling, now road within 100 m
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name: Lillooet Valley Number 303-1
Location: 50 37.8N 123 23.8W 10 5608510 471970
Elevation: 580 m

2 - DRILLING OPERATIONS

Drilling Supervisor: J.F. Lewis
Drilling Company:

3 - SIZE AND DEPTH

Total depth: 213 m
Angle: -90
Diameter:
Casing:

4 - DATES OF OPERATIONS

Dates of drilling: 19.09.77 to 28.09.77
Dates of logging:
Last visit:
Present condition:

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC storage, Vancouver
Condition of core: Abbreviated to 20%
Geological summary: Monzonite
Measurements made: Conductivity, heat-generation

6 - AVAILABILITY OF HOLE

Accessibility At side of logging road
Notes for finding:
Further information: A.M. Jessop or J.G. Souther

1 - IDENTIFICATION AND POSITION

Name:	Lillooet Valley	Number	303-2
Location:	50 34.8N 123 16.8W		10 5602900 480200
Elevation:	350 m		

2 - DRILLING OPERATIONS

Drilling Supervisor: J.F.Lewis
Drilling Company:

3 - SIZE AND DEPTH

Total depth: 196 m
Angle: -90
Diameter:
Casing:

4 - DATES OF OPERATIONS

Dates of drilling: 02.10.77 to 14.10.77
Dates of logging:
Last visit: 1979
Present condition:

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC storage, Vancouver
Condition of core: Abbreviated to 20%
Geological summary: Granite
Measurements made: Conductivity, heat-generation

6 - AVAILABILITY OF HOLE

Accessibility: At side of main logging road
Notes for finding:
Further information: A.M. Jessop or J.G. Souther

1 - IDENTIFICATION AND POSITION

Name:	Squamish Valley	Number	304-1
Location:	50 07.3N 123 23.6W		10 5552000 471900
Elevation:	198 m		

2 - DRILLING OPERATIONS

Drilling Supervisor: J.F. Lewis

Drilling Company:

3 - SIZE AND DEPTH

Total depth: 214 m

Angle: -90

Diameter:

Casing:

4 - DATES OF OPERATIONS

Dates of drilling: 17.10.77 to 24.10.77

Dates of logging:

Last visit:

Present condition:

5 - CORES AND SAMPLES

Core taken: Total

Location of core: GSC storage, Vancouver

Condition of core: Abbreviated to 20%

Geological summary: Granitoid gneiss and granite

Measurements made: Conductivity, heat-generation

6 - AVAILABILITY OF HOLE

Accessibility Accessible to road vehicle

Notes for finding:

Further information: A.M. Jessop or J.G. Souther

1 - IDENTIFICATION AND POSITION

Name:	Squamish Valley	Number	304-2
Location:	50 06.4N 123 22.0W		10 5550300 473800
Elevation:	230 m		

2 - DRILLING OPERATIONS

Drilling Supervisor: J.F. Lewis

Drilling Company:

3 - SIZE AND DEPTH

Total depth: 244 m

Angle: -90

Diameter:

Casing:

4 - DATES OF OPERATIONS

Dates of drilling: 25.10.77 to 04.11.77

Dates of logging:

Last visit:

Present condition:

5 - CORES AND SAMPLES

Core taken: Total

Location of core: GSC storage, Vancouver

Condition of core: Abbreviated to 20%

Geological summary: Granitoid gneiss and granite

Measurements made: Conductivity, heat-generation

6 - AVAILABILITY OF HOLE

Accessibility Accessible to roads vehicle

Notes for finding:

Further information: A.M. Jessop or J.G. Souther

1 - IDENTIFICATION AND POSITION

Name: Granby River Number 305-1
Location: 49 26.2N 118 25.4W 11 5476800 396800
Elevation: 720 m

2 - DRILLING OPERATIONS

Drilling Supervisor: T.J. Lewis, V.S. Allen
Drilling Company:

3 - SIZE AND DEPTH

Total depth: 456 m
Angle: -90
Diameter:
Casing:

4 - DATES OF OPERATIONS

Dates of drilling: 22.09.78 to 13.10.78
Dates of logging: 23.09.78 to 14.10.78, 18.10.78, 22.10.78
Last visit:
Present condition: Casing damaged, cannot be entered.

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC storage, Vancouver
Condition of core: Abbreviated to 20%
Geological summary: Syenite of Coryell Batholith
Measurements made: Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility Accessible by road
Notes for finding:
Further information: T.J. Lewis

1 - IDENTIFICATION AND POSITION

Name:	Granby River	Number	305-2
Location:	49 25.1N 118 31.1W		11 5474800 389900
Elevation:	750 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	V.S. Allen, A.E. Taylor
Drilling Company:	

3 - SIZE AND DEPTH

Total depth:	452 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	15.10.78 to 05.11.78
Dates of logging:	17.10.78 to 05.11.78
Last visit:	
Present condition:	Plugged and abandoned

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Syenite of Coryell and Nelson Batholiths
Measurements made:	Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road
Notes for finding:	
Further information:	T.J. Lewis

1 - IDENTIFICATION AND POSITION

Name: Upper Lillooet Valley Number 306-1
Location: 50 41.1N 123 31.4W 10 5614630 463090
Elevation: 760 m (NSBG Number 78-H-1 or L1-78D)

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for GSC
Drilling Company: Canadian Longyear

3 - SIZE AND DEPTH

Total depth: 603 m
Angle: -90
Diameter:
Casing: 78 mm rods to 226 m, 38 mm liner to TD

4 - DATES OF OPERATIONS

Dates of drilling: 10.09.78 to 21.10.78
Dates of logging:
Last visit:
Present condition: Capped and presserved

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC storage, Vancouver
Condition of core: Abbreviated to 20%
Geological summary:
Measurements made:

6 - AVAILABILITY OF HOLE

Accessibility Accessible by road
Notes for finding: Consult J.G. Souther or NSBG
Further information: J.G. Souther or NSBG

1 - IDENTIFICATION AND POSITION

Name:	Upper Lillooet Valley	Number	306-2
Location:	50 40.4N 123 32.9W		10 561380 461240
Elevation:	896		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	L2-80D
Drilling Company:	Connors Drilling Ltd.		

3 - SIZE AND DEPTH

Total depth:	595 m
Angle:	-90, no tests
Diameter:	76 mm
Casing:	76 mm to 10 m

4 - DATES OF OPERATIONS

Dates of drilling:	28.10.80 to 25.11.80
Dates of logging:	
Last visit:	
Present condition:	Capped and preserved

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name:	Upper Lillooet Valley	Number	306-3
Location:	50 40.5N 123 31.9W		10 5613640 462390
Elevation:	972 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	L3-80D
Drilling Company:	Connors Drilling Ltd.		

3 - SIZE AND DEPTH

Total depth:	1010 m
Angle:	-90, -85.5 at TD
Diameter:	76 mm to 615 m, 60 mm to TD
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	02.11.80 to 12.09.81
Dates of logging:	
Last visit:	
Present condition:	Blocked by lost drill-string

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name:	Upper Lillooet Valley	Number	306-4
Location:	50 39.6N 123 32.6W		10 5612030 461640
Elevation:	1097 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	L4-80D
Drilling Company:	BCH		

3 - SIZE AND DEPTH

Total depth:	1279 m
Angle:	-90, -70 at 1060 m
Diameter:	96 mm to 428 m, 76 mm to TD
Casing:	152 mm to 96 m, 102 mm to 284 m but pulled.

4 - DATES OF OPERATIONS

Dates of drilling:	01.09.81 to 19.08.82
Dates of logging:	
Last visit:	
Present condition:	Capped and preserved

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name: Upper Lillooet Valley Number 306-5
Location: 50 40.5N 123 29.2W 10 5613660 465660
Elevation: 774 m

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for BCH Number L5-80D
Drilling Company: BCH

3 - SIZE AND DEPTH

Total depth: 660 m
Angle: -90, -80 at 643 m
Diameter: 96 mm to 339 m, 76 mm to TD
Casing: 152 mm to 199 m, 78 mm to 284 m but pulled

4 - DATES OF OPERATIONS

Dates of drilling: 20.08.81 to 29.07.82
Dates of logging:
Last visit:
Present condition: Blocked by lost drill-string

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC storage, Vancouver
Condition of core: Abbreviated to 20%
Geological summary:
Measurements made:

6 - AVAILABILITY OF HOLE

Accessibility Accessible by road
Notes for finding: Consult NSBG
Further information: NSBG

1 - IDENTIFICATION AND POSITION

Name: Upper Lillooet Valley Number 306-6
Location: 50 37.6N 123 25.0W 10 5608220 470500
Elevation: 535 m

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for BCH Number L6-80D
Drilling Company: BCH

3 - SIZE AND DEPTH

Total depth: 579 m
Angle: -90, -89 at TD
Diameter:
Casing: 51 mm liner to TD

4 - DATES OF OPERATIONS

Dates of drilling: 22.11.81 to 19.05.82
Dates of logging:
Last visit:
Present condition: Capped and preserved

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC storage, Vancouver
Condition of core: Abbreviated to 20%
Geological summary:
Measurements made:

6 - AVAILABILITY OF HOLE

Accessibility Accessible by road
Notes for finding: Consult NSBG
Further information: NSBG

1 - IDENTIFICATION AND POSITION

Name: Upper Lillooet Valley Number 306-7
Location: 50 38.8N 123 33.7W 10 5610480 460320
Elevation: 1808 m

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for BCH Number L7-80D
Drilling Company: Coates

3 - SIZE AND DEPTH

Total depth: 421 m
Angle: -90, no tests
Diameter: 76 mm to 405 m, 60 mm to TD
Casing: 76 mm to 7.3 m,
PVC liner 38 mm to 268 m and 32 mm to 406 m

4 - DATES OF OPERATIONS

Dates of drilling: 28.07.82 to 22.08.82
Dates of logging:
Last visit:
Present condition: Capped

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC storage, Vancouver
Condition of core: Abbreviated to 20%
Geological summary:
Measurements made:

6 - AVAILABILITY OF HOLE

Accessibility Accessible by road
Notes for finding: Consult NSBG
Further information: NSBG

1 - IDENTIFICATION AND POSITION

Name: Upper Lillooet Valley Number 306-8
Location: 50 40.3N 123 34.2W 10 5613240 459740
Elevation: 960 m

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for BCH Number L8-80D
Drilling Company: Coates

3 - SIZE AND DEPTH

Total depth: 476 m
Angle: -90, no tests
Diameter: 76 mm to TD
Casing: PVC liner 30 mm to 470 m

4 - DATES OF OPERATIONS

Dates of drilling: 27.08.82 to 16.09.82
Dates of logging:
Last visit:
Present condition:

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC storage, Vancouver
Condition of core: Abbreviated to 20%
Geological summary:
Measurements made:

6 - AVAILABILITY OF HOLE

Accessibility Accessible by helicopter
Notes for finding: Consult NSBG
Further information: NSBG

1 - IDENTIFICATION AND POSITION

Name: Meager Creek Number 307-1
Location: 50 33.9N 123 31.2N 10 5601310 463160
Elevation: 882 m (NSBG Number 78-H-2 or M5-78D)

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for GSC
Drilling Company: Canadian Longyear Ltd.

3 - SIZE AND DEPTH

Total depth: 250 m
Angle: -90, no tests
Diameter:
Casing: 32 mm liner to TD

4 - DATES OF OPERATIONS

Dates of drilling: 26.10.78 to 04.11.78
Dates of logging:
Last visit:
Present condition: Well-head damaged

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC storage, Vancouver
Condition of core: Abbreviated to 20%
Geological summary:
Measurements made:

6 - AVAILABILITY OF HOLE

Accessibility Accessible by road
Notes for finding: Consult J.G. Souther or NSBG
Further information: J.G. Souther or NSBG

1 - IDENTIFICATION AND POSITION

Name:	Meager Creek	Number	307-2
Location:	50 34.9N 123 30.3W		10 5602280 464280
Elevation:	885 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	79-H-1 or M6-79D
Drilling Company:	BCH		

3 - SIZE AND DEPTH

Total depth:	321 m
Angle:	-90, no tests
Diameter:	60 mm to TD
Casing:	51 mm liner to 249 m

4 - DATES OF OPERATIONS

Dates of drilling:	18.07.79 to 07.10.79
Dates of logging:	
Last visit:	
Present condition:	Abandoned

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Amphibolite greenstone
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding:

Further information:	NSBG
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1 - IDENTIFICATION AND POSITION

Name:	Meager Creek	Number	307-3
Location:	50 34.4N 123 31.3W		10 5601850 463060
Elevation:	900 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	79-H-2 or M7-79D
Drilling Company:	BCH		

3 - SIZE AND DEPTH

Total depth:	367 m
Angle:	-90, no tests
Diameter:	HQ
Casing:	51 mm to TD

4 - DATES OF OPERATIONS

Dates of drilling:	17.10.79 to 30.11.79
Dates of logging:	
Last visit:	
Present condition:	Well-head equipment vandalised

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Quartz diorite
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name:	Meager Creek	Number	307-4
Location:	50 34.2N 123 32.5W		10 5601870 461630
Elevation:	875 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	79-H-3 or M8-79D
Drilling Company:	BCH		

3 - SIZE AND DEPTH

Total depth:	497 m
Angle:	-90, no tests
Diameter:	HQ
Casing:	51 mm liner to TD

4 - DATES OF OPERATIONS

Dates of drilling:	09.11.79 to 16.12.79
Dates of logging:	
Last visit:	
Present condition:	Capped

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Gneisses, quartz diorite
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name:	Meager Creek	Number	307-5
Location:	50 33.8N 123 30.5W		10 5601110 463980
Elevation:	765 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH B.C.Hydro	Number	M9-80D
Drilling Company:	B.C.Hydro		

3 - SIZE AND DEPTH

Total depth:	1142 m
Angle:	-90, -67.5 at 1045 m
Diameter:	96 mm to 772 m, 76 mm to TD
Casing:	121mm to 182 m

4 - DATES OF OPERATIONS

Dates of drilling:	19.06.80 to 13.11.80
Dates of logging:	
Last visit:	
Present condition:	Casing capped

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Quartz diorite
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name:	Meager Creek	Number	307-6
Location:	50 34.1N 123 30.8W		10 5601780 463730
Elevation:	807 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	M10-80D
Drilling Company:	BCH		

3 - SIZE AND DEPTH

Total depth:	1070 m
Angle:	-90, -60 at 1020 m
Diameter:	96 mm to 584 m, 76 mm to TD
Casing:	102 mm to 287 m

4 - DATES OF OPERATIONS

Dates of drilling:	1980
Dates of logging:	
Last visit:	
Present condition:	Unknown

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Quartz diorite
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name:	Meager Creek	Number	307-7
Location:	50 34.1N 123 29.1W		10 5601690 465620
Elevation:	791 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	M11-80D
Drilling Company:	BCH		

3 - SIZE AND DEPTH

Total depth:	559 m
Angle:	-90, no tests
Diameter:	96 mm to 262 m, 76 mm to TD
Casing:	51 mm liner to TD

4 - DATES OF OPERATIONS

Dates of drilling:	05.08.80 to 30.09.80
Dates of logging:	
Last visit:	
Present condition:	Cap on liner

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Gneiss
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name:	Meager Creek	Number	307-8
Location:	50 32.6N 123 28.9W		10 5598980 465900
Elevation:	792 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	M12-80D
Drilling Company:	BCH		

3 - SIZE AND DEPTH

Total depth:	605 m
Angle:	-90, no tests
Diameter:	96 mm to 376 m, 76 mm to TD
Casing:	Pulled, liner unknown

4 - DATES OF OPERATIONS

Dates of drilling:	02.10.80 to 24.11.80
Dates of logging:	
Last visit:	
Unknown condition:	

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Quartz diorite
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name:	Meager Creek	Number	307-9
Location:	50 34.1N 123 31.8W		10 5601800 462480
Elevation:	899 M		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	M13-81D
Drilling Company:	BCH		

3 - SIZE AND DEPTH

Total depth:	600 m
Angle:	-90, no tests
Diameter:	96 mm to 403 m, 76 mm to TD
Casing:	51 mm to TD

4 - DATES OF OPERATIONS

Dates of drilling:	16.03.81 to 26.05.81
Dates of logging:	
Last visit:	
Present condition:	Capped

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated
Geological summary:	Quartz diorite
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accesible by road
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name:	Meager Creek	Number	307-10
Location:	50 33.5N 123 27.9W		10 5600550 467060
Elevation:	861 M		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for BCH	Number	M14-81D
Drilling Company:	BCH		

3 - SIZE AND DEPTH

Total depth:	578 m
Angle:	-90, -77.5 at 576 m
Diameter:	96 mm to 312 m, 75 mm to TD
Casing:	51 mm to TD

4 - DATES OF OPERATIONS

Dates of drilling:	06.08.81 to 13.09.81
Dates of logging:	
Last visit:	
Present condition:	Capped

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated
Geological summary:	Gneiss
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road
Notes for finding:	Consult NSBG
Further information:	NSBG

1 - IDENTIFICATION AND POSITION

Name: Meager Creek Number 307-11
Location: 50 34.1N 123 30.9W 10 5601770 463670
Elevation:

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for BCH Number MC-1
Drilling Company: Westburne Drilling

3 - SIZE AND DEPTH

Total depth: 3039 m
Angle: -90 at collar and deviated
Diameter:
Casing:

4 - DATES OF OPERATIONS

Dates of drilling:
Dates of logging:
Last visit:
Present condition:

5 - CORES AND SAMPLES

Core taken: None, cuttings only
Location of core:
Condition of core:
Geological summary:
Measurements made:

6 - AVAILABILITY OF HOLE

Accessibility Accessible by logging roads
Notes for finding:
Further information: NSBG

1 - IDENTIFICATION AND POSITION

Name: Meager Creek Number 307-12
Location: 50 34.1N 123 30.9W 10 5601770 463670
Elevation:

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for BCH Number MC-2
Drilling Company: Westburne Drilling

3 - SIZE AND DEPTH

Total depth: 3504 m
Angle: -90 at collar and deviated
Diameter:
Casing:

4 - DATES OF OPERATIONS

Dates of drilling:
Dates of logging:
Last visit:
Present condition:

5 - CORES AND SAMPLES

Core taken: None, cuttings only
Location of core:
Condition of core:
Geological summary:
Measurements made:

6 - AVAILABILITY OF HOLE

Accessibility
Notes for finding:
Further information: NSBG

1 - IDENTIFICATION AND POSITION

Name: Meager Creek Number 307-13
Location: 50 34.1N 123 30.9W 10 5601770 463670
Elevation:

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for BCH Number MC-3
Drilling Company: Westburne Drilling

3 - SIZE AND DEPTH

Total depth: 3503 m
Angle: -90 at collar and deviated
Diameter:
Casing:

4 - DATES OF OPERATIONS

Dates of drilling:
Dates of logging:
Last visit:
Present condition:

5 - CORES AND SAMPLES

Core taken: None, cuttings only
Location of core:
Condition of core:
Geological summary:
Measurements made:

6 - AVAILABILITY OF HOLE

Accessibility Accessible by logging roads
Notes for finding:
Further information: NSBG

1 - IDENTIFICATION AND POSITION

Name:	Regina	Number	308
Location:	50 24.8N 104 35.2W		13 5584450 529320
Elevation:	576 m	Location	3-8-17-19W2

2 - DRILLING OPERATIONS

Drilling Supervisor:	L.S. Vigrass
Drilling Company:	Mustang Drilling

3 - SIZE AND DEPTH

Total depth:	2215 m, deepened later to 2226 m
Angle:	-90
Diameter:	222 mm, 2033 to 2215 m
Casing:	178 mm to 2033 m, 273 mm to 228 m, 508 mm to 10 m.

4 - DATES OF OPERATIONS

Dates of drilling:	28.12.78 to 02.02.79
Dates of logging:	Various commercial logs 03-04.02.79 Temperature 27.06.79, 08.02.80, 26.10.83
Last visit:	Recent
Present condition:	Preserved

5 - CORES AND SAMPLES

Core taken:	1986.6-2002.2 m, 2045.0-2063.5 m, 2067.0-2085.0 m, 2095.4-2104.8 m, 2202.1-2211.1 m, plus cuttings
Location of core:	Govt. of Saskatchewan storage
Condition of core:	Some used for tests.
Geological summary:	Sediments of the Williston Basin and Precambrian
Measurements made:	Permeability, Porosity, Conductivity

6 - AVAILABILITY OF HOLE

Accessibility	Accessible to vehicles
Notes for finding:	On campus of University of Regina, south of buildings
Further information:	L.S. Vigrass

1 - IDENTIFICATION AND POSITION

Name:	Cayley	Number	309-1
Location:	50 05.1N 123 19.1W		10 5547900 477200
Elevation:	450 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	L. Werner
Drilling Company:	Iron Mountain

3 - SIZE AND DEPTH

Total depth:	453 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	.09.80 to 10.10.80
Dates of logging:	
Last visit:	
Present condition:	

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Diorite
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	
Notes for finding:	
Further information:	J.G. Souther

1 - IDENTIFICATION AND POSITION

Name:	Cayley	Number	309-2
Location:	50 04.4N 123 19.4W		10 5546600 476900
Elevation:	350 m		

2 - DRILLING OPERATIONS

Drilling Supervisor: P.T. McCullough

Drilling Company:

3 - SIZE AND DEPTH

Total depth: 444 m

Angle: -90

Diameter:

Casing:

4 - DATES OF OPERATIONS

Dates of drilling: 20.10.80 to 07.11.80

Dates of logging:

Last visit:

Present condition:

5 - CORES AND SAMPLES

Core taken: Total

Location of core: GSC storage, Vancouver

Condition of core: Abbreviated to 20%

Geological summary: Quartz diorite

Measurements made:

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding:

Further information: J.G. Souther

1 - IDENTIFICATION AND POSITION

Name:	Paynter Lake	Number	310-1
Location:	49 57.5N 119 47.2W		11 5537500 300100
Elevation:	1311 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	T.J. Lewis
Drilling Company:	Interior Diamond Drilling

3 - SIZE AND DEPTH

Total depth:	368 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	11.10.80 to 09.11.80
Dates of logging:	13.10.80 to 09.11.80, 19.11.80
Last visit:	
Present condition:	Surface casing destroyed

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	
Geological summary:	Quartz monzonite of Valhalla Pluton
Measurements made:	Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding:

Further information:	T.J. Lewis
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1 - IDENTIFICATION AND POSITION

Name: Trout Creek Number 310-2
Location: 49 34.2N 119 39.1W 11 5494000 308300
Elevation: 389 m

2 - DRILLING OPERATIONS

Drilling Supervisor: T.J. Lewis
Drilling Company: Interior Diamond Drilling

3 - SIZE AND DEPTH

Total depth: 468 m
Angle: -90
Diameter:

Casing:

4 - DATES OF OPERATIONS

Dates of drilling: 19.11.80 to 19.12.80
Dates of logging: 20.11.80 to 19.12.80, 14.01.81
Last visit:
Present condition: Casing plugged at surface

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC stroage, Vancouver
Condition of core:
Geological summary: Qtz monzonite, diorite, migmatite of Nelson plutons
Measurements made: Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding: On flood-plain of Trout Creek, Experimental Farm
Further information: T.J. Lewis

1 - IDENTIFICATION AND POSITION

Name: Bella Bella Number 315-1
Location: 52 08.1N 128 02.9W 09 5776320 565110
Elevation: 40 m

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for GSC
Drilling Company:

3 - SIZE AND DEPTH

Total depth: 199 m
Angle: -90, -86 at 197 m
Diameter: 60 mm to TD
Casing: NW to 3 m

4 - DATES OF OPERATIONS

Dates of drilling: 02.08.84 to 13.08.84
Dates of logging: daily from 05.08.84 to 14.08.84
Last visit:
Present condition: Wooden plug in casing

5 - CORES AND SAMPLES

Core taken: Total
Location of core: GSC storage, Vancouver
Condition of core:
Geological summary: Porphyry and breccia
Measurements made:

6 - AVAILABILITY OF HOLE

Accessibility By road from Denny Island Airport
Notes for finding: Consult J.G. Souther or NSBG
Further information: J.G. Souther or NSBG

1 - IDENTIFICATION AND POSITION

Name:	Bella Bella	Number	315-2
Location:	52 08.8N 128 05.7W		09 5777590 561960
Elevation:	40 m		

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for GSC

Drilling Company:

3 - SIZE AND DEPTH

Total depth:	381 m
Angle:	-90, -88 at 372 m
Diameter:	60 mm to TD
Casing:	BW to 3 m

4 - DATES OF OPERATIONS

Dates of drilling:	15.08.84 to 24.08.84
Dates of logging:	Daily from 18.08.84 to 25.08.84
Last visit:	
Present condition:	Cap on casing

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	
Geological summary:	Granite
Measurements made:	

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by road from Denny Island Airport
Notes for finding:	Consult J.G. Souther or NSBG
Further information:	J.G. Souther or NSBG

1 - IDENTIFICATION AND POSITION

Name:	Mcadam	Number	319
Location:	45 40.7N 67 18.8W		19 5059500 631400
Elevation:	145 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	J.A. Leslie for EPB
Drilling Company:	Hop-Mun Drilling Inc.

3 - SIZE AND DEPTH

Total depth:	396.5 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	01.12.82 to 07.12.82
Dates of logging:	
Last visit:	
Present condition:	

5 - CORES AND SAMPLES

Core taken:	total
Location of core:	Govt. of Nova Scotia storage, Stellarton
Condition of core:	
Geological summary:	
Measurements made:	Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding:

Further information:	M.J. Drury
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1 - IDENTIFICATION AND POSITION

Name:	Welsford	Number	320
Location:	45 27.9N 66 26.4W		19 5037500 700200
Elevation:	150 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	J.A. Leslie for EPB
Drilling Company:	Hop-Mun Drilling Inc.

3 - SIZE AND DEPTH

Total depth:	371.2 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	09.12.82 to 16.12.82
Dates of logging:	
Last visit:	
Present condition:	

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	Govt. of Nova Scotia storage, Stellarton
Condition of core:	
Geological summary:	
Measurements made:	Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility	
Notes for finding:	
Further information:	M.J. Drury

1 - IDENTIFICATION AND POSITION

Name:	Sidney	Number	321
Location:	48 39.0N 123 26.9W	10 5388400 467000	
Elevation:	10 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	T.J. Lewis
Drilling Company:	Longyear Canada Inc.

3 - SIZE AND DEPTH

Total depth:	445 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	14.03.83 to 28.03.83
Dates of logging:	17.03.83 to 27.03.83, 27.06.83, 27.05.85
Last visit:	27.05.85
Present condition:	Good, open to 303 m, padlock on collar

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	Pacific Geoscience Centre, Sidney
Condition of core:	
Geological summary:	Saanich granodiorite
Measurements made:	Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility	Accessible to road vehicle
Notes for finding:	In grounds of Pacific Geoscience Centre
Further information:	T.J. Lewis

1 - IDENTIFICATION AND POSITION

Name:	Silt Lake	Number	339
Location:	50 43.3N 123 40.2W		10 5618900 452650
Elevation:	808 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	NSBG for GSC
Drilling Company:	Iron Mountain Drilling Ltd.

3 - SIZE AND DEPTH

Total depth:	458 m
Angle:	-90, -43 at 457 m
Diameter:	76 mm to 180 m, 60 mm to TD
Casing:	76 mm to 7 m

4 - DATES OF OPERATIONS

Dates of drilling:	13.08.83 to 28.08.83
Dates of logging:	Daily from 16.08.83 to 29.08.83
Last visit:	
Present condition:	Good

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Complete
Geological summary:	
Measurements made:	Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility	Accessible by helicopter or by road to within 10 km
Notes for finding:	Consult J.G. Souther or NSBG
Further information:	J.G. Souther or NSBG

1 - IDENTIFICATION AND POSITION

Name:	Charlottetown	Number	341
Location:	46 15.7N 63 08.3W	20 5122900 489300	
Elevation:	20 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	J.A. Leslie for EPB
Drilling Company:	Hop-Mun Drilling Inc.

3 - SIZE AND DEPTH

Total depth:	484.8 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	Total
Dates of logging:	
Last visit:	
Present condition:	Destroyed by building construction

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	Govt. of Prince Edward Island storage
Condition of core:	
Geological summary:	Carboniferous sediments
Measurements made:	Conductivity

6 - AVAILABILITY OF HOLE

Accessibility	no longer accessible
Notes for finding:	
Further information:	M.J. Drury

1 - IDENTIFICATION AND POSITION

Name:	Brandywine	Number	343
Location:	50 01.5N 123 11.8W		10 5541200 485900
Elevation:	990 m		

2 - DRILLING OPERATIONS

Drilling Supervisor: T. Hamilton

Drilling Company:

3 - SIZE AND DEPTH

Total depth: 452 m

Angle: -90

Diameter:

Casing:

4 - DATES OF OPERATIONS

Dates of drilling: 05.10.81 to 01.11.81

Dates of logging:

Last visit:

Present condition:

5 - CORES AND SAMPLES

Core taken: Total

Location of core: GSC storage, Vancouver

Condition of core: Abbreviated to 20%

Geological summary:

Measurements made: Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding:

Further information: J.G. Souther

1 - IDENTIFICATION AND POSITION

Name:	Shovelnose	Number	344
Location:	50 06.6N 123 15.5W	10 5550700	481500
Elevation:	1560 m		

2 - DRILLING OPERATIONS

Drilling Supervisor: NSBG for GSC

Drilling Company:

3 - SIZE AND DEPTH

Total depth: 455 m

Angle: -90

Diameter:

Casing:

4 - DATES OF OPERATIONS

Dates of drilling: . .82 to . .82

Dates of logging:

Last visit:

Present condition:

5 - CORES AND SAMPLES

Core taken: Total

Location of core: GSC storage, Vancouver

Condition of core: Abbreviated to 20%

Geological summary:

Measurements made: Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding:

Further information: J.G. Souther

1 - IDENTIFICATION AND POSITION

Name: Macdougall Number 345
Location: 46 30.0N 63 55.0W 20 5149800 429700
Elevation:

2 - DRILLING OPERATIONS

Drilling Supervisor: J.A. Leslie for EPB
Drilling Company: Canadian Longyear Ltd.

3 - SIZE AND DEPTH

Total depth: 459 m
Angle: -90
Diameter:
Casing:

4 - DATES OF OPERATIONS

Dates of drilling: 03.10.83 to 24.10.83
Dates of logging:
Last visit:
Present condition:

5 - CORES AND SAMPLES

Core taken: total
Location of core: Govt. of Prince Edward Island storage
Condition of core:
Geological summary: Carboniferous sediments
Measurements made: Conductivity

6 - AVAILABILITY OF HOLE

Accessibility
Notes for finding:
Further information: M.J. Drury

1 - IDENTIFICATION AND POSITION

Name:	Langley	Number	490
Location:	49 04.3N 122 35.9W		10 5435280 529340
Elevation:	61 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	W. Bentkowski
Drilling Company:	Longyear Canada Inc.

3 - SIZE AND DEPTH

Total depth:	231 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	05.12.84 to 12.01.85
Dates of logging:	14.01.85, 28.01.85, 18.02.85, 31.05.85
Last visit:	31.05.85
Present condition:	Abandoned

5 - CORES AND SAMPLES

Core taken:	Chip samples every 10 m
Location of core:	
Condition of core:	
Geological summary:	Clay and shale
Measurements made:	Conductivity

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding:

Further information:	T.J. Lewis
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1 - IDENTIFICATION AND POSITION

Name:	Chilliwack	Number	491
Location:	49 08.7N 122 01.3W		10 5443820 571350
Elevation:	20 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	W. Bentkowski
Drilling Company:	Longyear Canada Inc.

3 - SIZE AND DEPTH

Total depth:	274 m
Angle:	-90
Diameter:	
Casing:	

4 -- DATES OF OPERATIONS

Dates of drilling:	28.01.85 to 07.02.85
Dates of logging:	06.02.85, 18.02.85, 31.05.85
Last visit:	31.05.85
Present condition:	Casing capped, open to 66 m

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Andesite
Measurements made:	Conductivity

6 - AVAILABILITY OF HOLE

Accessibility	By road
Notes for finding:	
Further information:	T.J. Lewis

1 - IDENTIFICATION AND POSITION

Name:	Raft Batholith	Number	494-1
Location:	51 46.9N 120 22.2W		10 5739800 681400
Elevation:	1405 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	W. Bentkowski
Drilling Company:	Iron Mountain Drilling Ltd.

3 - SIZE AND DEPTH

Total depth:	250 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	18.07.84 to 01.08.84
Dates of logging:	20.07.84-02.08.84, 07.08.84, 24.08.84, 14.07.85
Last visit:	14.07.85
Present condition:	Abandoned

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Quartz monzonite of Raft Batholith
Measurements made:	Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding:

Further information:	T.J. Lewis
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1 - IDENTIFICATION AND POSITION

Name:	Raft Batholith	Number	494-2
Location:	51 49.0N 120 22.8W		10 5743700 680600
Elevation:	1356 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	W. Bentkowski
Drilling Company:	Iron Mountain Drilling Ltd.

3 - SIZE AND DEPTH

Total depth:	244 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	11.08.84 to 25.08.84
Dates of logging:	24.08.84-26.08.84, 29.08.84, 13.07.85
Last visit:	13.07.85
Present condition:	Abandoned

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviatd to 20%
Geological summary:	Quartz monzonite of Raft Batholith
Measurements made:	Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding:

Further information:	T.J. Lewis
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1 - IDENTIFICATION AND POSITION

Name:	Raft Batholith	Number	494-3
Location:	51 44.1N 120 09.0W		10 5735200 696800
Elevation:	1417 m		

2 - DRILLING OPERATIONS

Drilling Supervisor:	W. Bentkowski
Drilling Company:	Iron Mountain Drilling Ltd.

3 - SIZE AND DEPTH

Total depth:	244 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	01.09.84 to 13.09.84
Dates of logging:	11.09.84-13.09.84, 02.10.84, 14.07.85
Last visit:	14.07.85
Present condition:	Abandoned

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Quartz monzonite of Raft Batholith
Measurements made:	Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding:

Further information:	T.J. Lewis
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1 - IDENTIFICATION AND POSITION

Name:	Raft Batholith	Number	494-4
Location:	51 45.1 120 04.8		10 5737200 701600
Elevation:	1311		

2 - DRILLING OPERATIONS

Drilling Supervisor:	W. Bentkowski
Drilling Company:	Iron Mountain Drilling Ltd.

3 - SIZE AND DEPTH

Total depth:	244 m
Angle:	-90
Diameter:	
Casing:	

4 - DATES OF OPERATIONS

Dates of drilling:	28.09.84 to 06.10.84
Dates of logging:	02.10.84-04.10.84, 14.07.85
Last visit:	14.07.85
Present condition:	Abandoned

5 - CORES AND SAMPLES

Core taken:	Total
Location of core:	GSC storage, Vancouver
Condition of core:	Abbreviated to 20%
Geological summary:	Quartz monzonite of Raft Batholith
Measurements made:	Conductivity, heat generation

6 - AVAILABILITY OF HOLE

Accessibility

Notes for finding:

Further information:	T.J. Lewis
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TABLE OF SHALLOW HOLES

EPB No.	Site Name	Lat.	Long.	Elev	Total Depth	Drill Date
301-1	Meager C	50 34.6	123 27.8	587	45	03.74
301-4	Meager C	50 34.0	123 29.5	635	91	09.75
301-5	Meager C	50 33.8	123 30.5	774	87	09.75
301-6	Meager C	50 34.1	123 30.9	770	60	09.75
311	Merritt	49 49.8	120 49.7	1300	56	11.81
312	Merritt	49 49.5	120 47.7	1275	90	11.81
313	Merritt	49 49.2	120 42.7	1000	69	11.81
314	Merritt	49 50.3	120 36.5	1050	99	11.81
316	Merritt	49 42.3	120 26.5	1475	46	11.81
317	Merritt	49 44.4	120 24.4	1500	88	11.81
318	Merritt	49 47.0	120 29.3	1250	80	11.81
322	Trout Cr	49 48.5	119 59.8	1300	86	11.81
323	Okanagan	49 40.5	119 32.0	1150	91	11.81
324	Elaho V	50 13.8	123 33.6	290	100	08.83
325	Elaho V	50 14.6	123 33.8	300	100	09.83
326	W Kettle	49 39.9	119 15.0	1460	98	11.81
327	W Kettle	49 41.8	119 12.5	1220	47	11.81
328	W Kettle	49 43.7	119 09.8	1280	84	11.81
329	W Kettle	49 45.2	119 07.3	1220	52	11.81
330	W Kettle	49 47.1	119 06.2	1220	52	11.81
331	Elaho V	50 15.0	123 34.2	330	100	09.83
332	Elaho V	50 12.7	123 32.6	290	100	09.83
333	Monashee	50 02.9	118 27.5	1250	52	11.81
334	Monashee	50 02.0	118 31.1	1250	38	11.81
335	Monashee	50 01.5	118 33.3	1150	94	11.81
336	Monashee	49 58.9	118 37.7	1100		11.81
337	Monashee	49 57.2	118 40.7	1100	85	11.81
338	Monashee	49 54.2	118 41.5	1075	82	11.81
340	Monashee	49 47.5	118 43.5	950	82	11.81
342	Monashee	49 49.6	118 46.5	1450	97	11.81
451	Squamish V	50 09.7	123 23.7	335	100	08.82
452	Squamish V	50 13.0	123 21.8	610	89	08.82
453	Squamish V	50 12.1	123 24.5	747	100	08.82
454	Elaho V	50 07.6	123 27.1	290	100	08.82
455	Elaho V	50 12.8	123 23.8	290	100	08.82
456	Elaho V	50 12.2	123 32.2	290	100	09.82
457	Elaho V	50 11.6	123 31.9	290	100	09.82
458	Elaho V	50 10.6	123 31.6	274	100	09.82
459	Elaho V	50 09.1	123 30.3	260	100	09.82

Table of shallow holes (continued)

EPB No.	Site Name	Lat.	Long.	Elev.	Total Depth	Drill Date
460	Ryan R	50 28.4	123 01.8	457	100	09.82
461	Ryan R	50 27.5	123 07.5	762	100	09.82
462	Ryan R	50 27.4	123 10.4	823	100	09.82
463	Ryan R	50 27.2	123 12.2	914	100	09.82
464	Railroad C	50 23.3	123 01.4	945	100	09.82
465	Railroad C	50 32.7	123 01.4	960	100	09.82
466	Alert Bay	50 32.4	127 14.1	183	100	10.82
467	Alert Bay	50 32.3	127 20.1	137	100	10.82
468	Alert Bay	50 33.2	127 24.2	61	100	11.82
469	Alert Bay	50 31.7	127 23.0	91	100	11.82
470	Alert Bay	50 29.9	127 22.3	244	100	11.82
471	Alert Bay	50 29.3	127 22.4	213	100	11.82
472	Alert Bay	50 27.1	127 22.5	183	85	11.82
473	Alert Bay	50 28.4	127 27.3	396	88	11.82
474	Blue River	52 23.4	119 17.4	1130	100	07.83
475	Blue River	52 23.5	119 16.4	1205	100	07.83
476	Blue River	52 23.7	119 15.3	1220	100	07.83
477	Blue River	52 24.3	119 14.5	1265	100	08.83
478	Blue River	52 24.8	119 14.1	1235	100	08.83
479	Hundred MH	51 58.4	121 09.8	950	100	08.83
480	Hundred MH	51 57.5	121 09.8	925	100	08.83
481	Hundred MH	51 50.0	121 08.9	985	100	08.83
482	Hundred MH	51 49.2	121 09.0	900	100	08.83
483	Hundred MH	51 49.3	121 08.3	925	100	08.83
484	Hundred MH	51 59.8	120 56.9	1300	100	08.83
485	Hundred MH	51 59.7	120 56.6	1300	100	08.83
486	Hundred MH	51 59.9	120 57.8	1250	100	08.83
487	Hundred MH	51 59.8	120 48.3	1240	97	08.83
488	Hundred MH	52 00.0	120 48.8	1240	100	08.83
489	Hundred MH	52 00.5	120 49.6	1255	100	08.83