

Collections Housed at Warehouse
CS Lord Northern Geoscience Centre

Collection Name:
GREAT SLAVE REEF (GSR)

Company Name(s):
Western Mines Limited / Westmin Resources Ltd.

Area/Project/Property Name(s):
Pine Point

Donation History:

When: 1999 (04/09/1999)

From Whom: Iron Mountain Records Management

To Whom: A. Turner / J. Heimbach / J. Campbell

* two boxes have labels from 1992 saying "from Library" so may have been in DIAND's possession earlier(?)

Collection Description:

30 boxes

Box 1 – Westmin Resources 1989 Summary Report, ddh logs, miscellaneous file of maps (older Western Mining) and notes

Box 2 – 1976-79 Geophysics Reports for Western Mines Limited

Box 3 – ddh logs Western Mines Limited (1970's)

Box 4, Box 5 – 1978, 1979 Induced Polarization Surveys – reports, maps and sections (these two boxes are dated 1992 and say "from Library")

Box 6 – files with maps, sections and plans from 1970's work by Western Mines Limited

1

Box 7 – early 1980's Ore Reserve Calculations for Watt, Pres'quile, Co-ordinates, ✓
Geochemistry – these are big blue books with computer printouts

1

Box 8 – Westmin Resources Ltd. reports from early 1980's including Ore Reserves ✓
from various deposits, plus showings and geochemistry

Box 9 – binders of Geochem Analysis data sheets for GSR from 1970's; statistical study; ICG feasibility study of installation and operation of natural gas facilities in Hay River and Pine Point area

Box 10 – miscellaneous files of correspondence, land use inspections and claim related stuff

Box 11 – mish – mash box of maps (some blueline prints, others photocopies) from 1970's; some reports from 1970's, 1960's – most of this appears to be geophysical

Box 12 – miscellaneous reports – stratigraphic information, theses on reef, exploration proposals, file on geochemical analysis, file notes and administrative stuff ✓

2 Box 13 - Prefeasibility files; claim status and grouping certificates, assessment file notes

1 Box 14 - miscellaneous reports and files; environmental overview proposals but mostly administration and correspondence

Box 15 – 1970's reports – geophysical reports, sample records and averages (ore reserve calculations) ✓

2 Box 16 - Feasibility studies, Review of Mine Planning, Sensitivity Study (all early 1980's Westmin Resources Ltd.)

1 Box 17 - hydrogeology reports and de-watering papers, grout proposals and reviews, some joint venture reports (early 1980's)

Box 18 – Summary reports on Great Slave Reef and geophysical reports with maps

Box 19 – ddh logs from mid 1970's and 1980

Box 20 – ddh logs from 1970's and 1980

Box 21 – ddh logs from 1970's

2 Box 22 - mostly summaries, budgets, annual reports, proposals, agreements and expenditures

Box 23 – administrative – grouping and work certificates, land use files, budgets and field costs

Box 24 – claim record sheets

① Box 25 – Ore Reserve Summary reports, some Cominco ddh logs and list of ddh holes ✓

Box 26 – miscellaneous reports, geochemistry results 1975-1979, some ddh logs

② Box 27 – Lease, Claim Status, Legal Survey, Power Supply; Hydrology files

Box 28 – miscellaneous maps, airphoto mosaics, reports and ddh logs, 1975–1979 sample records

Box 29 – miscellaneous files – ore reserves, sections

Box 30 – plexiglass sections, miscellaneous reports and files

Collection Location:

30 boxes on various shelves – Boxes 1-6 on Row 0, Col B-D; Boxes 7-12 on Row 0, Col E-G, Boxes 13-16 on Row 0, Col I-J; Boxes 16-19 on Row 1, Col C; Boxes 20-23 on Row 1, Col D; Boxes 24-27 on Row 1, Col E; Box 28 on Row 2, Col D; Boxes 29-30 on Row 3, Col D

Detailed Inventory:

no

This record by: Rhonda

Date: 16 December 2003

Collections Housed at Warehouse
CS Lord Northern Geoscience Centre

Collection Name:
BASIN RIM NT (see Collection Note)

Company Name(s):
Gulf Minerals Canada

Area/Project/Property Name(s):
South Slave – from Fort Smith area west to Fort Simpson, north to the shore of Great Slave Lake and area just south of the Horn Plateau; also the Tath claims.

Donation History:
When: not known
From Whom: Gulf Minerals – Toronto office (may have gone to Chevron Minerals at one time)
To Whom: not known

Collection Description:

4 boxes labeled Basin Rim NT 1 thru 4; one map roll

Box 1 – includes numerous reports on Tathlina program (drilling at Desmaris Lake, Tath claims) in late 1970's and early 1980's; geophysical, diamond drilling, maps, air photos, XRF data of samples from oil and gas wells in the NT

Box 2 – more Tathlina program and more reconnaissance type work on the South Slave, plus maps of entire Basin Rim area (Manitoba to NT)

Box 3 – general Basin Rim notes and progress reports; Canstrat logs for NT wells, property visits (from various other NT areas); airborne geophysical plots but not sure where from in NT

Box 4 – lots of maps by Gulf covering NTS 85 SW

Map roll – looks to be mostly airphotos and mylars for parts of NT (did not inventory in detail)

Collection Location:
4 boxes on shelf – roughly 2I (row 2, column I); 1 map roll at end of Aisle 3

Detailed Inventory:

PROPERTY					
NT Basin Rim - Files from Gulf Minerals Canada					
Box #	File #	File Description	Title and/or Notes on File Contents	Other information	Area/NTS
Basin Rim - NT 1	1	Airphotos	Landsat - various airphotos and interpretations on mylars (1973 -77 date)		85C
	2	File folder	1976-77 maps and compilations of Geology, Gravity, Magnetics and Geological Sections from Basin Rim Project	includes area of Alberta, Sask., Manitoba and NWT	
	3	File folder	Land Status - claim maps, staking and access maps Tathlina Project		
	4	File folder	Tathlina Project Notes - various interoffice geological notes from 1977-80 regarding drilling and interpretations and about joint ventures		85C/15,16
	5	Report	Basin Rim Project Proposed Drill Target, Tathlina Lake Area, NWT NTS 85SW; by Paul Beck, April 1977		
	6	Report	Preliminary Report on Tathlina Drill Program, Kendrick No. 1 at Desmarais Lake by Paul Beck, June 1978	2 copies plus field notes	
	7	Bound Report	Desmarais Lake Tathlina Program, Basin Rim Project - Gulf Min. Kendrick No. 1 Final Report, by Paul Beck, July 1978	mylar roll of downhole information by ROKE	
	8	Report	Semi-quantitative Log Analysis on Kendrick No. 1 Hole NTS 85C/15 by M.F. Weber, May 1978		
	9	Bound Report	Report on the Meri Downhole IP Survey, Tathlina Project, NWT by R.J. Langridge, April 1979	2 copies	
	10	Bound Report	In House Report of Tathlina Exploration Program by R.K. Germundson, June 1979	2 copies plus some interoffice notes in pencil	
	11	Bound Report	Geological, Geochemical and Geophysical Report for the Tathlina Exploration Program, Tathlina 1 and Tath 2-36 Mineral Claims, Feb 15 - April 17, 1978 and Jan 15 - April 4, 1979 work by R.K. Germundson, October 1979	probably a copy of an assessment report	85C/15,16
	12	File folder	1979-1980 drilling		
	13	File folder	Geophysics - Total Mag intensity and Bouger Gravity (compilations?), Directional survey by ROKE, Densilog and Gamma Ray Neutron Logs for the Kendrick No.1 Hole, Seismic compilation, microfich of seismic survey in Heart Lake Area (85C) and Geoprobe 1979-80		
	14	File folder	Century Geophysical Gamma Neutron Logs borehole 80-4(11) Tathlina		
	15	Bound Report	Geological, Geochemical and Geophysical Report for the Tathlina Exploration Program, Tathlina 1 and Tath 2-36 Mineral Claims, Feb - April 1980 work by R.K. Germundson, May 1980	filed as an assessment report; plus a file folder of similar document with original	85C/15,16
	16	File folder	Geochemistry- various assay results and interpretations		
	17	Bound Report	NWT XRF Data Statistics - about 200 pages of Cu, Zn, Pb results (from old oil and gas drill holes??) with notations on where from in the NWT such as Cameron Hills, Kakisa, Alexandra, Tathlina Lake, Gull Creek, Hay River, Big Island, Mills Lake, Deep Bay as well as drill hole names		
	18	Binder	Index of areas for XRF Data		
Basin Rim - NT 2	1	File folder	Slave River Magnetics NTS 85		
	2	File folder	Slave River - XRF Well Index - geochemistry plus notes on anomalies in NT wells and plots of wells with anomalies		
	3	File folder	Slave River Geology - includes South Slave Area Structural Contour Map of Mid-Devonian Carbonate		
	4	File folder	Slave - South Lake - Well locations file, Stat Wells test; includes files on stratigraphic tops and structural values, plots of wells and land status		
	5	File folder	Horn Basin		85NW
	6	File folder	Compilation of Facies Analysis Pine Point Area, 1978 and notes on Pine Point, thesis		
	7	File folder	Copy of a thesis on Pine Point; no date or name		
	8	File folder	1978 Results of leaves/needle assay geochemistry plus locations and copy of Final Report	not specifically on NWT but includes some Tathlina information	
	9	File folder	Tathlina Program Geophysics and Seismic - maps by Gulf Minerals Canada that include:		
			1 Isochron Slave Point to Methy - covers Heart Lake-McNallie Creek area		
			2 Structure on the Approximate Basement		
			3 Isochron Presqu'ile to Basement, Methy to near Basement		
			4 Slave Point Structure		
			5 Structure on Methy Dolomite Approx. Presqu'ile		
			And a very poor copy of a report from 1955 on Seismograph Survey on Petroleum and Natural Gas Permit 654, NWT		
	10	File folder	Alexandra and Louise Falls assay results; 1977 sampling		
	11	File folder	Assorted Drill Information Tathlina Program		
	12	Airphotos	Tathlina Area		
	13	Envelope	Geoprobe Data - Tathlina Program		
	14	File folder	Salt Water Aquifer Land Use File 1979		

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Box 16 contents – Great Slave Reef

- December 1979 GSR project feasibility study
- Duplicate of above report
- July 1979 GSR Preliminary feasibility study
- Preliminary environmental evaluation of the GSR project, Beak consultants limited. June 1980.
- Conceptual estimate of power requirements – GSR project. April 1981. Wright Engineers limited.
- November 1983 GSR Project. R-190 deposit. Review of mine planning Phase I.
- 1984 Evaluation of the GSR project, south Mackenzie NWT.
- 1981 GSR project – sensitivity assessment of production feasibility (report)
- 1981 GSR project – sensitivity assessment of production feasibility addendum 1 (report)
- Duplicate of above report
- 1979 GSR project – pre-feasibility study (R-190 zone, X-25 zone)

Great Slave Reef Project Proposed Joint Venture Program Western Mines Limited July 1975 File Folder

- Great Slave Reef Project Proposed Joint Venture Program Western Mines Limited July 1975
- Appendix and Maps to accompany report: Great Slave Reef Project Proposed Joint Venture Program Western Mines Limited July 1975
- Report on Induced Polarization survey; pine point NWT for Conwest Exploration Company. Part I – Interpretation. December 1965.

Detailed contents of Box 14 – Great Slave Reef

File folder 3. – Slave Reef contracts

GSR – 1982 Drill Contract (file agreements)

1976 Agreement (copies and correspondence pertaining to adjustments) between Western Mines Ltd. and Connors Drilling Ltd.

1975 Agreement (2 copies) between western mines ltd. And conors drilling ltd.

1975 Proposal between Western Mines and Canadian Longyear Limited

1975 Donegal Developments receipt and correspondence

1975 proposal between western mines and north west survey corporation (Yukon) ltd.

1976 receipt from Canadian Marconi company for one-year rental and correspondence

1976 agreement between western mines and Midwest drilling

1977 agreement between western mines and Connors drilling ltd.

1978 agreement between western mines and tundra drilling corp.

1979 agreement between western mines and c.a. ager & associates ltd.

1979 communication between north west survey corporation international ltd.

File folder 6. – Slave Reef – legal

1983 correspondence between Du Pont of Canada Exploration and Westmin mines

1975, 1976 correspondence between Western Mines and Lawrence & shaw (barristers and solicitors).

1976 correspondence between McElhanney Associates and Western Mines

1975 correspondence between Western Mines and Hecla Mining Company

1975 correspondence between Lawrence & Shaw and Du Pont of Canada Exploration Ltd.

1975 Agreement between Western Mines Limited, Du Pont of Canada Exploration Ltd, and Hecla Operating Company (2 rough drafts & 1 finished copy)

Schedule B, Phase 1&2, Slave Reef Budget

1975 correspondence between Lawson Lundell and Messrs. Lawrence & Shaw (Barristers and Solicitors)

1975 rough notes about amendments to the 1975 agreement between western mines limited, du pont of Canada exploration ltd, and Hecla operating company.

1982 correspondence between westmin resources and philipp brothers (Canada) ltd.

1982 correspondence between du pont exploration and westmin resources limited.

1977 correspondence between McElhanney associates and the dept. of energy, mines and resources Canada.

File folder 12. – Geology

Manila envelope from western mines limited which contains an original and mylar copy of the great slave reef – west reef project stratigraphy legend.

File folder 15. – Geophysics

This file is empty

File folder 15. - GSR Geophysics

Letter from Neil Gow to D.J. Robinson, Westmin Resources (1983) and attached papers discussing the use of seismic techniques.

File folder 21. - Environmental studies

1976 Communication between sigma resource consultants ltd and weterm mines ltd with an attached report from sigma on the environmental aspects of operation & construction
1976 environmental report done by f.f. slaney & company limited
1979 environmental report done by Montreal Engineering company, limited
1979 environmental report done by Beak Consultants Limited

File folder 21. - Environmental

1979 proposal by Sigma resource consultants
Copy of 1976 from sigma resource consultants on the environmental aspects of operation & construction with some notes
Correspondence and company profile between western mines (1979) and international environmental consultants ltd.
Correspondence from montreal engineering company limited (1979) and company profile

File folder 18. - GSR Geostatistical Study. No. 85B

1978 4-page memo on geostatistical study of the x-25 deposit, pine point, for western mines ltd.
Approximately 30 pages of various tables, charts, and maps relating to this study.

File folder 71. - 1981 GSR Assessment Work Sheets

1981 communication between westmin resources and DIAND.
Approximately 10 work sheets

File folder 72. - 1981 Certificates of work and grouping map

1981 Grouping map, AX, MR & GSR Claims
1981 Grouping map, WD, GSR, MR, RB & BES Claims
1981 Correspondence between DIAND and Westmin resources re: certificate of work and extensions

File folder 120

This folder is empty

File folder 165

This folder is empty

File folder 168

This folder is empty

File folder 171. - G.S.R. Other Company Drill Logs

Alexandra falls oil well logs, section 2 - geological summary.
Includes a set of microfiche slides.

File folder I. – GSR/NR Generals

1975 application to DIAND for the Northern Mineral Exploration Assistance Grant
Summary of expenditures – Western Mines Limited
1976-1977 budget and amendments
1980 communication between du pont exploration and western mines
1979 GSR joint venture financial statements for the year ended dec. 31, 1979 (2 copies).
1979 Receipt from DIAND for a tour

File folder 1. – GSR General

Wright Engineers Limited consulting and design engineers Mining manual and another manual on the treatment of complex copper, lead and zinc sulphide ores (project experience).

File folder 1. – GSR General

This folder is empty

File folder 2. – GSR Expenditures & Budgets

1980 Expenditure report
Communication between philipp brothers and western mines limited.

The following items were not in folders:

1983 GSR joint venture meeting agenda (includes project maps)
1976 feasibility study on the Giant Mascot plant; communication between wright engineers limited and western mines limited.
Brochure on Zinc/Lead mining at Pine point, NWT

GSR Joint Venture Meetings

Summation for Joint Venture Meeting June 15, 1983
Photocopy of 1983 GSR joint venture meeting agenda
Communication between westmin, du pont of Canada, and philipp brothers

Great Slave Reef Correspondence 1975-1977+

Seismic data from Dome Petroleum (1978)
Internal memo, western mines limited re: administration GSR project. 1979
Communication (1980) re: diamond drill program
Internal memo, western mines re: GSR Preliminary engineering study
GSR Mine – Budget Proposal
Notes: Great Slave Reef project proposals
Draft copy of 1979 GSR economic evaluation of R-190 and X-25 reserves.
1976 proposed project outline
1979 Communication between Kilborn engineering and western mines limited. Re: preliminary feasibility study.
1979 communication from NWT chamber of mines and western mines ltd. including newspaper clippings and reports about concerns

File folder 9. – G.S.R. & West Reef (Correspondence)

- Internal memo re: meeting with cominco (1984)
- 1983 communication between westmin , Lawrence & shaw & Bull, Housser & Tupper
- 1975 communication between newmont mining corporation and weterm mines ltd.
- 1975 communication between Noranda and western mines ltd.
- 1975 communication between canex placer limited and western mines ltd.
- 1975 communication between peyto oils ltd. And western mines ltd.
- 1975 communication between groupe minier Sullivan and western mines ltd.
- 1975 communication between u.s. steel and western mines ltd.
- 1975 communication between western mines ltd and Freeport sulphur co.
- 1974 communication between du pont exploration and western mines limited
- 1975 communication between stan dean & sons ltd. And Donegal development
- 1975 communication between shell Canada and western mines ltd.
- 1975 communication between esso and western mines
- 1975 invoices from okanagan helicopters
- 1975 communication between Sullivan mining group and western mines limited
- 1979 communication between North west survey corporation limited and western mines limited
- 1979 communication from DIAND to western mines re: telephone number change
- 1979 internal memo re: GSR celestite
- 1975 communication from DIAND to western mines re: Transfer AX mineral claims
- 1975 DIAND claims receipt
- 1977, 1978 communication between Connors Drilling and Western mines
- 1977 communication between billitan exploration Canada and western Canada
- 1976 correspondence between sigma resource consultants and western mines
- 1978 correspondence between DIAND and western mines re: prospector's licenses
- 1978 communication between Dome Petroleum and western mines
- 1977 communication re: centre for northern studies and research
- 1978 communication between du pont of Canada exploration and wester mines
- 1979 communication between DIAND and wester mines re: terrestrial heat flow measurement studies (includes several papers on the subject)
- 1979 summary of R-190 and X-25 from western mines
- 1979 communication between DIAND and western mines re: drilling regulations
- Sigma resource consultants limited information package (services provided etc..) – includes quick notes on loose-leaf re: pre-feasibility (no date given)
- 1975 communication between D.W. Coates and western mines
- 1975 communication between hecla mining group and western mines re: joint venture
- 1975 communication between DIAND and western mines re: claim registration
- 1976 internal memo re: interest in AX claim group

File folder 9. – GSR Correspondence

- 1979 communication between Peter Bengts and western mines re: R-190 deposit
- 1979 communication between Northwest survey corp. and western mines
- 1980 communication between du pont and western mines
- 1980 communication between 82nd CIM annual general meeting technical program committee and Western mines
- 1981 internal memo western mines re: uranium debate in Yellowknife
- NWT chamber of mines economic study questionnaire 1978-1979
- 1980 communication between Mining recorder and western mines
- 1982 internal memo re: gsr hydro power supply
- 1980 internal memo re: December progress report
- 1979 communication between the town of pine point and western mines
- 1979 communication between fraser consultants and western mines ltd
- 1979 (November) GSR monthly report
- 1979 communication between institute for geologie und palaontologie (German) and western mines
- 1980 communication between du pont exploration and western mines
- 1980, 1981 communication between DIAND and western mines
- 1981, 1982 communication between Wright engineers and westmin resources
- 1981 communication between cominco and western mines ltd.
- 1981 communication between north west survey corporation international ltd.
- 1981 communication between burnett resource surveys ltd and westmin resources ltd.
- 1981 communication between byers transport limited and western mines ltd.
- 1982 communication between NWT chamber of mines and westmin
- 1978 arctic winter games request for donation from westmin mines ltd.
- 1980 letter from western mines to Louise Dykes
- 1977, 1980 communication between western mines and du pont of Canada exploration

Manila Envelope – Cominco Ltd. – Ron Lane

- This envelope contains various reports:
- 1977 report on the geology of the M-40 orebody
- 1970 map: pine point mines ltd. M-40 area
- 1977 map: M-40 assay plan
- 1977 m-40 study: a comparison of drill proven reserves with tonnages and grades mined per polygon.
- 2 volumes of tables to accompany the above report

Legends

Folder contains various sizes of the same stratigraphy legend that was seen in **File folder 12. – Geology.** Some are coloured, but there is also an accompanying figure to go with the coloured legend.

Great Slave Reef Proj. – Illustrations

An assortment of black and white & coloured figures detailing such items as lead, zinc, drill holes, location maps, claim maps, expenditures, stratigraphy, marine regression, cross sections, etc... not in any particular order.

Manila envelope 1: GSR Overhead Projector Transparencies of many of the above maps
Manila envelope 2: Mylars for illustrations (mylars of the above maps and figures)

The following items were not in a file folder:

- Communication between westmin and Geo-physo-con ltd.
- Communication between westmin and the town admistrator of pine point
- Communication between elgin exploration company limited and westmin

Grouting at GSR

- Bay-Beca project summary of expenditures by westin to dec. 31, 1984.
- 1985 internal memo re: discussion of ppm grouting program with bruce knight & doug Stevenson.
- 1984 communication between westmin and Stevenson international groundwater consultants
- Loose-leaf notes (1983) of events (to be) discussed at joint venture meeting re: grouting.
- 1983 pine point mines – fact finding tour (report)
- 1981 Comparison of pump tests and estimated dewatering costs
- 1983 internal memo re: comments on grouting
- 1983 internal memo re: discussion with bob Armstrong and tom heeley of pine point mines
- 1983 communication between westmin and NWT water board. Re: pine point mines application for renewal of water license.
- 1983 loose-leaf notes on dewatering
- 1983 internal memo re: comments on grouting (duplicate of one above)
- 1983 internal memo re: comments on meeting with bruce knight of knight & piezhold regarding water injection testing and grouting
- No dates given, but loose-leaf notes on grouting solutions/problems
- 1983 communication between r.l. loofbourow and Gordon Montgomery.
- 1983 transmittal of proposal for preliminary pit-dewatering investigations, great slave reef project.
- 1983 internal memo re: meeting with udo meyer
- 1983, Stevenson international groundwater consultants ltd. time sheet.
- 1983 internal memo: re great slave reef groundwater/hydrological study and review of consultants qualifications
- Loose leaf notes on loofbourow on st. joe (qualifications)
- Resume from Loofbourow
- 1983 internal memo re: meeting with ray benson to discuss his review of the grouting proposal
- 1983 internal memo re: comments on the weyer hydrological report
- 1983 correspondence between westmin and dr. wyer
- 1983 correspondence between klohn leonoff and westmin resources
- Loose leaf notes on grout proposals by Bruce knight, ray benson
- No date given: brief progress report on the study of boundary effects on dewatering and natural groundwater flow.
- 1984 internal memo re: visit to knight & piesold ltd grout testing laboratory by westmin & cominco.

Various photocopies of newspaper/journal articles that discuss aspects of dewatering
 1983 report: Review of proposed engineering studies and potential energy supplies
 1984 communication between westmin and cominco with a photocopy of a journal article on grouting
 1984 notes from a talk given by Tony Brink on 'accelerated karst development resulting from lowering of the water table through dolomites at the gold mines of the western Transvaal, South Africa.
 Cover page for a 1982 report on the 'investigation of microbially induced permeability loss during in-situ leaching.'
 1981 report on 'the role of regional groundwater flow in the formation of ore deposits in sedimentary basins: a quantitative analysis.

Dewatering, Hydro costs

Internal memo re: discussion of ppm grouting program with Bruce Knight & Doug Stevenson. Duplicate of the one in **Grouting at GSR** file.
 Loose leaf sheet (1984) with notes on energy solutions
 1983 loose leaf notes on Doug Stevenson proposal
 Company profile book on Stevenson International Groundwater Consultants Ltd.
 Loose leaf notes on Weyer's presentation of the Pine Point groundwater flow of the National Hydrology Research Institute
 Internal memo (1983) re: GRS Power supply
 Various newspaper clippings and photocopies of journal reports about energy sources
 1980 correspondence between Western Mines Limited and Brown, Erdman & Associates.
 1982 correspondence between the Yukon Electrical Company Limited and Westmin Resources Limited.
 1984 internal memo re: the Yukon Electrical Company Ltd. Vancouver, visit.

Oct 1983 - Mine Planning Study

Summation of November 15, 1983 GSR joint venture meeting
 1983 correspondence between Westmin and Du Pont
 1983 internal memo re: proposed mine planning study of R190 and X25 deposits near Pine Point mines, NWT.
 Loose leaf notes to above document
 1983 internal memo re: questions for Charlie Penney regarding mining plan study
 1983 internal memo re: proposed Pine Point mines visit
 1983 internal memo re: progress report - Great Slave Reef
 1983 internal memo re: meeting with Charlie Penney on mine plan study
 1983 internal memo re: 1976 memorandum from Barr regarding a visit to Pine Point mines
 1983 communication between Westmin and the Mineral Policy Sector of the Dept. of Energy, Mines and Resources

GSR June 1983 J.V. Meeting

GSR joint venture meeting (1983) draft and final versions
 Various newspaper clippings about the reopening of Pine Point mines after a lengthy strike

1983 GSR project summary of ore deposits and reserves
 Month-end report oct. 1983 (financial position)
 1983 internal memo re: comments by Etienne lantos
 1983 internal memo re: discussion with tom heeley, chief engineer, pine point mines
 1983 internal memo re: review of derry, Michener, booth & wall report on the GSR project
 1984 Westmin authority for expenditure
 Loose leaf notes from the GSR joint venture budget estimates (1984)
 1983 internal memo: proposed mine planning study of R190 and X25 deposits near pine point mines, nwt
 1983 communication between westmin and Du pont of Canada exploration ltd.
 Loose leaf notes for the 1983 joint venture meeting

Pine Point Mines Presentation

Photocopy of a 1984 news letter (george cross news)
 Guideline for future GSR meeting
 1984 internal memo re: discussion re: gold mine in south Africa
 Loose leaf notes on meeting with PPM/Cominco
 Loose leaf notes on meeting with Bau (?) 1984
 GSR Review of mine planning studies, proposed agenda for meeting with cominco/pine point staff

The remaining information is not located in a file folder

The items listed below belong together:

Geo-physi-con company profile pamphlet
 Seismic Crosshole Shear Wave Measurements
 Engineering geophysics in the pre-construction stage
 Exploration for conductive targets with transient electromagnetic systems (presented in 1982)
 Loose leaf notes to accompany above report
 Transient Electromagnetic soundings (presented in 1982)
 Surface Geophysical methods for oil sands exploration
 Basic principles of transient electromagnetic soundings
 Transient electromagnetic prospecting for mineral exploration

Scintrex DHIP-2 drill hole IP/Resistivity logging option
 Mini Sosie study – update (to accompany ‘summary report of 1981 drilling program’).