

Ministry of Energy & Mines
Energy & Minerals Division
Geological Survey Branch

**ASSESSMENT REPORT
TITLE PAGE AND SUMMARY**

TITLE OF REPORT [type of survey(s)]	TOTAL COST
2007 DIAMOND DRILLING OF THE PAT CLAIMS AND REGIONAL EXPLORATION IN THE HANSARD AREA	\$ 946,789.85

AUTHOR(S) Jocelyn Tanton, P.Geol. SIGNATURE(S) _____

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) _____ YEAR OF WORK 2007

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) Event No. 4186650

PROPERTY NAME PAT CLAIMS and HANSARD AREA

CLAIM NAME(S) (on which work was done) Pat 1-12, INFILL, HANSARD, HANSARD 1-7, BOWRON 1-4, JIS 4, PUR 5-23, AND
TENURE 530060

COMMODITIES SOUGHT Limestone

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN _____

MINING DIVISION Cariboo NTS 93G, 93H, 93I, 93J

LATITUDE 54 ° 01 ' _____ " LONGITUDE 122 ° 17 ' _____ " (at centre of work)

OWNER(S)

1) Graymont Western Canada Inc. 2) _____

MAILING ADDRESS

190, 3025 - 12 Street NE

CALGARY, AB. T2E 7J2

OPERATOR(S) [who paid for the work]

1) Graymont Western Canada Inc. 2) _____

MAILING ADDRESS

190, 3025 - 12 Street NE

CALGARY, AB. T2E 7J2

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Carbonates, limestone, Cariboo Terrane, Slide Mountain Terrane

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS 2007: Ass. Rpt. 29089

2007: Ass. Rpt. 28818; 2005: Ass. Rpt. 27900; 1995: Ass. Rpt. 24071; 1994: Ass. Rpt. 23455

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping _____	1:10,000 scale	Hansard, Hansard 1-7	~\$50,000.00
Photo interpretation _____			
GEOPHYSICAL (line-kilometres)			
Ground _____			
Magnetic _____			
Electromagnetic _____			
Induced Polarization _____			
Radiometric _____			
Seismic _____			
Other _____			
Airborne _____			
GEOCHEMICAL			
(number of samples analysed for ...)			
Soil _____			
Silt _____			
Rock _____			
Other _____			
DRILLING			
(total metres; number of holes, size)			
Core _____	3093.59 m, 16 holes, NQ	Pat 1 and 2	\$819,516.36
Non-core _____	Water, access preparation, geologists, etc.		
RELATED TECHNICAL			
Sampling/assaying _____	2277 samples total (core & rock)	Pat 1 and 2, Hansard, Hansard 1-7	\$67,171.50
Petrographic _____			
Mineralographic _____			
Metallurgic _____			
PROSPECTING (scale, area) _____			
PREPARATORY/PHYSICAL			
Line/grid (kilometres) _____			
Topographic/Photogrammetric (scale, area) _____			
Legal surveys (scale, area) _____			
Road, local access (kilometres)/trail _____			
Trench (metres) _____			
Underground dev. (metres) _____			
Other _____			
TOTAL COST			\$ 946,789.85

**BC Geological Survey
Assessment Report
29907**

GRAYMONT WESTERN CANADA INC.

**2007 DIAMOND DRILLING OF THE PAT CLAIMS
AND REGIONAL EXPLORATION IN THE HANSARD AREA**

EAST OF PRINCE GEORGE, BRITISH COLUMBIA
Cariboo Mining Division

CLAIMS PAT 1-12, INFILL, HANSARD, HANSARD 1-7,
BOWRON 1-4, JIS 4, PUR 5-23, and Tenure 530060

Geographic Coordinates

54° 01' N

122° 01' W

NTS Sheets 93 G, 93 H, 93 I, 93 J

Owner & Operator: Graymont Western Canada Inc.
190, 3025 - 12 Street N.E.
Calgary, AB, T2E 7J2

Consultant: Dahrouge Geological Consulting Ltd.
18, 10509 - 81 Avenue
Edmonton, Alberta T6E 1X7

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Date Submitted: 2008 03 28

Date Revised: 2008 08 08

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1. INTRODUCTION

Examination of the Prince George area for high-calcium limestone, on behalf of Ecowaste Industries Ltd. (Ecowaste), a wholly-owned subsidiary of Graymont Western Canada Inc. (Graymont), commenced during 1993 by Halferdahl & Associates Ltd. Based upon this exploration, Ecowaste acquired the Pat claims by staking limestone outcrops southeast of the Kode-Jerrat limestone quarry in July, 1993. Additional exploration during 1993 and 1994 included surface sampling and mapping, ground geophysics, and drilling. Dahrouge Geological Consulting Ltd. (Dahrouge), on behalf of Ecowaste, carried out a sampling program and a magnetic survey at the Pat Claims in 2005. Dahrouge completed diamond drilling programs on the Pat claims in the summer and winter of 2006.

The Hansard claim was acquired in November, 2005, and Hansard 1-7 were transferred to Ecowaste in the fall of 2006.

In 2007, all of the Ecowaste claims were converted to the property of Graymont for consistency of their B.C. properties. A review of the 2006 core was completed in the spring of 2007, and additional drilling was conducted on the Pat claims in the fall of 2007 to follow up on the 2006 drill programs. In addition, a number of limestone outcrops were examined in the Hansard area in early summer to assess the limestone quality of the area. This report describes the 2007 exploration and provides an interpretation of the results. The 2007 exploration was authorized by Bob Robison of Graymont Western Canada Inc.

A statement of work has been filed with respect to the exploration described in this report (event number 4186650). The total assessment credit has been allocated amongst a number of contiguous claims, including Pat 1-12, Infill, Hansard, Hansard 1-7, Bowron 1-4, Jis 4, Pur 5-23, and Tenure 530060. The work described herein was not conducted on all of the listed claims and therefore a description of the entire claim group is not included in this report; however, this information is available in previously submitted assessment reports on the area.

1.1 GEOGRAPHIC SETTING

1.1.1 Location and Access of the Pat Claims

The Pat claims lie within the Cariboo Mountains of the Interior Plateau of east-central British Columbia (Fig. 1.1). The claims are situated approximately 5 km southeast of the village of Giscome, which is about 40 km by road east of Prince George, BC. Giscome is a small village near the site of a Canadian National Railway (CNR) ballast terminal. At the time of this exploration

program, a quarry was in operation just north of the village of Giscome, where volcanic rock (massive basalt) is open-pit mined for use as ballast for CNR purposes.

From Prince George, the Pat claims may be reached by driving east on Highway 16 for approximately 18 km, north for 7 km on Upper Fraser Road, then east for 15 km on Beaver Forestry Road (just past the 32 km road marker), and finally north for 2 km on Bateman Creek Forestry Road (Fig. 1.2). Northern access from the village of Giscome is no longer useable, as a small bridge crossing Bateman Creek on Bateman Creek Forestry Road was damaged and subsequently removed. Logging roads 1200 and 5900, which were formerly used for diamond drilling access on claim Pat 2 in 1993 and 1994, were rehabilitated in 2006 and allow access to part of the property. In addition, several new access trails off these roads were completed during 2006 and 2007. These roads and trails require the use of 4x4 trucks or ATV's and are generally impassible after moderate to heavy rainfall.

1.1.2 Location and Access of the Hansard Claims

The Hansard claims are approximately 45 to 50 km east of Prince George, south of the settlement of Upper Fraser. (Fig's 1.1 and 1.2).

The Hansard claims are most easily accessed by traveling east of Prince George on Highway 16 for approximately 18 km and then traveling north and east along Upper Fraser Road for about 45 km, past the village of Giscome, and Eaglet and Aleza lakes. An optional route is to continue about 55 km further east along Highway 16, and then travel approximately 20 km north along Bowron Forestry Road to access the southern areas of the claim group. There are several smaller forestry and access roads that can be utilized with four-wheel drive vehicles and/or ATV's to reach various parts of the claim group.

1.1.3 Topography, Vegetation and Climate

Topography in the Giscome and Hansard area is characterized by rolling hills separated by swamps. Elevations in the Hansard claims range from 600 m along Fraser River up to 750 m in the ridges south of Upper Fraser. Elevations in the Pat claim area are similar, ranging from 640 m along Bateman Creek to 855 m in the hills to the northeast. Vegetation consists predominantly of tall stands of fir, with lesser spruce and poplar. Shrubs, including Devil's Club, are abundant along drainages. The climate is temperate, reaching extremes of 34° C in summer and -50° C in winter. Precipitation is variable. Snow can be expected in late October or early November and remains

until April or May. Total accumulations of snowfall may exceed 300 cm, but average 241 cm. Mining and quarrying are feasible year round, but local weight limits on trucks may restrict truck hauling during and following spring breakup.

1.2 PROPERTY

The Pat claims consist of a total of 13 contiguous claims (Table 1.1, Fig. 1.2); the Hansard claims consist of 8 contiguous claims (Table 1.2, Fig. 1.2), with an additional 30 claims adjoining to the south (Table 1.3, Fig. 1.2). In 1993, claims Pat 1-4 were staked as four-post claims and claim Pat 5 was staked as a two-post claim. In 2006, claims Pat 6-10 were acquired online as MCX claims. Finally, claims Pat 11-12 and Infill were acquired online in early 2007 as MCX claims.

The Hansard claim was acquired in November, 2005, and Hansard 1-7 were transferred to Ecowaste in the fall of 2006.

TABLE 1.1: LIST OF PAT CLAIMS

Claim Name	Tenure Number	Record Date	Current Expiry Date	Expected Expiry Date
Pat 1	319247	1993 07 11	2013 07 11	2016 12 31
Pat 2	319248	1993 07 11	2013 07 11	2016 12 31
Pat 3	319249	1993 07 11	2003 07 11	2016 12 31
Pat 4	319250	1993 07 11	2013 07 13	2016 12 31
Pat 5	321875	1993 10 11	2013 10 11	2016 12 31
Pat 6	525884	2006 01 19	2007 12 31	2007 12 31
Pat 7	525973	2006 01 20	2007 01 20	2016 12 31
Pat 8	526134	2006 01 24	2007 01 24	2016 12 31
Pat 9	526135	2006 01 24	2007 01 24	2016 12 31
Pat 10	532854	2006 04 21	2007 12 31	2007 12 31
Pat 11	550912	2007 02 01	2008 02 01	2008 02 01
Pat 12	551009	2007 02 02	2008 02 02	2008 02 02
Infill	550744	2007 01 30	2008 01 30	2008 01 30

TABLE 1.2: LIST OF HANSARD CLAIMS

Claim Name	Tenure Number	Record Date	Current Expiry Date	Expected Expiry Date
Hansard	521738	2005 11 01	2008 12 31	2016 12 31
Hansard 1	529397	2006 03 03	2008 12 31	2016 12 31
Hansard 2	529398	2006 03 03	2008 12 31	2016 12 31
Hansard 3	529399	2006 03 04	2008 12 31	2016 12 31
Hansard 4	529403	2006 03 04	2008 12 31	2016 12 31
Hansard 5	529658	2006 03 06	2008 12 31	2016 12 31
Hansard 6	529661	2006 03 06	2008 12 31	2016 12 31
Hansard 7	529665	2006 03 06	2008 12 31	2016 12 31

TABLE 1.3: LIST OF PERIPHERAL MINERAL CLAIMS

Claim Name	Tenure Number	Record Date	Current Expiry Date	Expected Expiry Date
Bowron 1	535373	2006 06 09	2008 12 31	2016 12 31
Bowron 2	535374	2006 06 09	2008 12 31	2016 12 31
Bowron 3	535375	2006 06 09	2008 12 31	2016 12 31
Bowron 4	535376	2006 06 09	2008 12 31	2016 12 31
Jis 1	537516	2006 07 20	2007 07 20	2010 12 31
Jis 2	537517	2006 07 20	2007 07 20	2010 12 31
Jis 3	537518	2006 07 20	2007 07 20	2010 12 31
Jis 4	537519	2006 07 20	2008 12 31	2010 12 31
Pur 11	529383	2006 03 03	2008 12 31	2012 12 31
Pur 12	529385	2006 03 03	2008 12 31	2012 12 31
Pur 13	529386	2006 03 03	2008 12 31	2012 12 31
Pur 14	529387	2006 03 03	2008 12 31	2012 12 31
Pur 15	529388	2006 03 03	2008 12 31	2012 12 31
Pur 16	529389	2006 03 03	2008 12 31	2012 12 31
Pur 17	529390	2006 03 03	2008 12 31	2012 12 31
Pur 18	529391	2006 03 03	2008 12 31	2012 12 31
Pur 19	529392	2006 03 03	2008 12 31	2012 12 31
Pur 20	529393	2006 03 03	2008 12 31	2012 12 31
Pur 21	529394	2006 03 03	2008 12 31	2012 12 31
Pur 22	529395	2006 03 03	2008 12 31	2012 12 31
Pur 23	529396	2006 03 03	2008 12 31	2012 12 31
Pur 5	529377	2006 03 03	2008 12 31	2010 12 31
Pur 6	529378	2006 03 03	2008 12 31	2010 12 31
Pur 7	529379	2006 03 03	2008 12 31	2012 12 31
Pur 8	529380	2006 03 03	2008 12 31	2012 12 31
Pur 9	529381	2006 03 03	2008 12 31	2011 12 31
Pur 10	529382	2006 03 03	2008 12 31	2010 12 31
(no name)	530060	2006 03 15	2012 12 31	2012 12 31
Pur 6	530061	2006 03 15	2008 12 31	2010 12 31
Pur 7	530062	2006 03 15	2008 12 31	2010 12 31

1.3 HISTORY AND PREVIOUS INVESTIGATIONS

In the latter part of 1992 and early in 1993, Dr. Lawrence Halferdahl, on behalf of Ecowaste, conducted exploration for high-calcium limestone within the vicinity of Prince George. Based upon this exploration, the Pat claims were acquired by staking southeast of Kode-Jerrat Quarry during July, 1993. As Faragher and Halferdahl (1994) and Dahrouge and Halferdahl (1995) provide detailed descriptions of the exploration and geology of the Pat claims, most of that information is not repeated herein.

During 1993, Ecowaste mapped the Pat claims and drilled four NQ holes totalling 347 m (Faragher and Halferdahl, 1994). Additional work during 1994 included a magnetometer survey to assist in defining the contact between carbonates and ultramafic rocks to the northeast, and the completion of four NQ holes totalling 494 m (Dahrouge and Halferdahl, 1995). After further

exploration at the Pat Claims, Dahrouge and Halferdahl (1995) concluded

“Outcrops of limestone on the Pat claims are here interpreted as being in an erosional window through the Slide Mountain Terrane to the Cariboo Terrane below”,

rather than assigning the limestones within the eastern part of the Slide Mountain Terrane to a Triassic Unit.

In 2005, Dahrouge, on behalf of Ecowaste, conducted exploration for high-calcium limestone, as well as a magnetometer survey, on the Pat claims (Fraser and Dahrouge, 2005). Exploration consisted of mapping and describing limestone outcrops within the property, while the magnetometer survey focussed on defining the contact between carbonates and volcanics in the central part of claim Pat 2, east of cut block 59/12.

In the summer and winter of 2006, Dahrouge completed 18 diamond drill holes, totalling 2,489.92 metres. Core samples were analysed and the data compiled to determine the limestone quality and lithologies present in the Pat claim area.

1.4 PURPOSE OF WORK

The Pat work described in this report was undertaken as a follow up to the 2006 drilling programs to provide additional information on the quality and extent of limestone within the Pat claims, as well as to better define the underlying geology.

The Hansard work was conducted in order to assess the limestone quality in the area and outline targets for a 2008 drill program.

1.5 SUMMARY OF WORK

From April 22 to May 3, 2007, a two-person crew conducted a review of the 2006 drill core in a storage warehouse in Prince George. Stratigraphic units were defined to better enable correlation and assessment of the area.

A regional exploration study was conducted east of the Pat claims from May 22 to June 9, 2007, concentrating on the Hansard area. Transportation between Prince George and the property was by a rented four-wheel-drive vehicle. Access throughout the property was by truck where possible, and by ATV's and/or hiking where necessary.

From August 12 to November 5, 2007, a three-person motel-based crew, in Prince George, conducted an extensive fall drilling program in claims Pat 1 and Pat 2. The core was collected and logged on site in a leased Atco trailer.

In total, 16 diamond drill holes were completed on the property, with a total depth of approximately 3,000 metres. The drill core was logged, split and sent to Graymont's lab in Salt Lake City, Utah for analyses.

Drill core from the 2007 drill program was initially stored in a privately leased warehouse in the Nechako District of Prince George, B.C., but has since been moved to a privately owned acreage just east of Prince George.

2. REGIONAL GEOLOGY

Glacial deposits of various types, exceeding 100 metres in places, cover much of the area around Prince George, Giscome, Hansard and Purden Lake. Outcrops are sparse.

Various features of the bedrock geology in the Prince George and surrounding area have received attention, mostly from L.C. Struik.

Regional mapping by the Geological Survey of Canada (Muller and Tipper, 1969), at a scale of 1 inch to 4 miles covering the area north and east of Prince George, has been superseded by that of Struik (1994). Details on some features of the regional geology have also been described by Struik and Fuller (1988), Deville and Struik (1989), Struik (1989), and Struik, Fuller, and Lynch (1990).

Struik (1989) indicates there are two strike-slip fault trends in the region. One trend follows the McLeod Lake Fault Zone at approximately 160°. Movement along this feature is interpreted as mid-Tertiary. The other set includes the older northern Rocky Mountain Trench fault system, which trends approximately 140°.

In the Barkerville area, some 120 km south of the Pat claims, Struik (1988) recognized four terranes (Table 2.1) separated from each other by major thrust faults: Cariboo, Barkerville, Slide Mountain, and Quesnel. On Struik's (1994) map, the Pat claims are shown to be within the volcanic and sedimentary rocks of the Carboniferous and Permian Slide Mountain Group, which here comprise the Slide Mountain Terrane. The most prominent unit of the Slide Mountain Group is the Antler Formation, which consists of pillow basalts, volcanic breccias, pyroclastics, and intercalated ribbon chert, argillite, and fine lithic sandstone (Campbell et al, 1973).

Struik et al. (1990) interpreted Middle to Upper Triassic and Cambrian limestone sequences exposed at Mount Bowron, about 30 km southeasterly of Giscome near Purden Lake, as tectonic windows through the Slide Mountain Terrane to the underlying Cariboo Terrane. Triassic limestone sequences near Mount Bowron are described by Struik et al. (1990) as thin-bedded limestone and

slate sequences, with some thicker limestone layers composed predominately of shells and shell fragments. The same lithotypes are present at and around Purden Quarry and the Pat claims, but are quite different from lithologies attributed to the Cariboo Terrane near Barkerville (Struik, 1988). Dahrouge and Halferdahl (1995) noted Triassic fossils in limestone samples taken from drill core at the Pat Claims, which suggests that the limestones near Giscome may belong to the Triassic carbonate sequences of the Cariboo Terrane rather than the Slide Mountain Terrane, as suggested in earlier studies. Further, a cursory paleontological examination of short sections of drill core from the Pat claims by Tim Tozer of the Geologic Survey of Canada (Struik, 1995, pers. comm.) encountered pelecypods of Upper Triassic age.

Not far north of the claim area, the Slide Mountain and/or Cariboo Terrane are in fault contact with rocks of the Wolverine Complex. The Wolverine Complex was named after the Wolverine Range north of Fort St. James (Armstrong, 1949). There, it consists of gneisses, quartzites, schists, and crystalline limestones interpreted as metamorphosed Upper Precambrian and Lower Cambrian strata, all of which are intruded by younger granodiorite, pegmatite, and related rocks, and are cut by brittle extensional faults. Similar rocks have been described at Mount MacKinnon, about 120 km northwest of Prince George, where gneisses and schists are intruded by granitic aplites, muscovite or biotite pegmatites, granites, dykes of microgranite, rhyolite, dacite, and basalt (Deville and Struik, 1990). Basalt dykes in the Wolverine Complex are dated at 37 to 43 Ma (Parrish, 1976). The Wolverine Complex at Eaglet Lake includes the granodiorite Eaglet Pluton (Struik and Fuller, 1988), which has been dated at 36 Ma (Wanless et al, 1970, p.24).

TABLE 2.1 **STRATIGRAPHIC UNITS IN THE**
CARIBOO AND SLIDE MOUNTAIN TERRANES

Age	Group	Formation	Description
<u>SLIDE MOUNTAIN TERRANE^{*,B}</u>			
Tertiary or Upper Cretaceous	-	-	coal-bearing clastic rocks (northern part of Bowron River Valley)
Triassic (?)	-	-	slate and phyllite rocks (within southwest corner 93 H)
Mississippian	Slide Mountain	Antler	pillow basalts, volcanic breccias, pyroclastics, and intercalated ribbon chert, argillite, and fine lithic sandstone;
		Greenberry	crinoidal limestone
		Guyet	pebble-conglomerate, lithic sandstone, argillite, basaltic flows and breccia
<u>CARIBOO TERRANE^{A,B}</u>			
Triassic ^B		unnamed	thin-bedded limestone and slate sequence (similar to Pardonnet Formation, northern Rocky Mountains)
Cambrian ^B		unnamed	medium-bedded limestone with silty argillite interbeds
Pennsylvanian ^A		unnamed	grey crinoidal, fusulinid limestone
Middle Pennsylvanian ^A		Alex Allan	dark-grey micritic limestone, minor slate
Lower Mississippian ^A		Greenberry	grey crinoidal limestone
Lower Mississippian and Upper Devonian ^A	Black Stuart	Guyet	conglomerate, orthoquartzite, greywacke
Upper or Middle Devonian ^A		Waverly	agglomerate, pyroclastics, pillow basalt, minor chloritic siltstone

* Modified after Campbell et al., 1973

^A Modified after Struik et al., 1988 for the Cariboo Terrane near Barkerville

^B Modified after Struik et al., 1990

3. PROPERTY GEOLOGY

The limestone outcrops within the Pat claims are believed to be in the Upper Triassic Cariboo Terrane, exposed as an erosional window through the Slide Mountain Terrane. Triassic fossil ages have been reported for limestones in the Pat claims; however, Mississippian age fossils have been identified at the local Kode-Jerrat Quarry, consistent with the Slide Mountain Group (Campbell et al., 1973; Struik et al., 1990).

Due to the sparse outcrop in the Pat claim area, the majority of available geological information has been collected from drilling programs. A breakdown of the dominant rock units encountered to date is provided in Section 4. A volcanic unit, a dark-green serpentized peridotite, was encountered in drill hole PAT06-08, in the northeastern part of claim Pat 2; it has not yet been

assigned to a formation or terrane. The mineralogy of this unit is complex due to extensive alteration.

The structural geology of the property and surrounding area remains unclear. Several fault zones and brecciated units were identified during the core logging; however, more work is required to understand the structure and stratigraphy in detail. Cross sections were produced from the 2006 and 2007 data and are available in Figures 3.1 and 3.2.

As the Hansard mapping and prospecting was conducted on a regional-scale, a detailed account of the geology of the area is not yet possible.

According to regional geology data for the area, the majority of the Hansard claims should lie within the Cariboo/Cassiar Terrane. Some of the western-most claims could potentially lie within the Slide Mountain Terrane. Although fossils were rarely identified during the 2007 prospecting and mapping program, the silty, sometimes weakly marbled, micritic to fine-grained limestones observed in the Hansard and Bowron claims likely belong to the Carboniferous or Devonian units of the Gog Group (Struik, 1994). The absence of archeocyathids in the descriptions is likely due to poor preservation and/or deformation of many of the limestone units described. Fine-grained grainstones were commonly identified. Dolomite was observed in several locations, but it is not clear at this point whether it is a depositional or secondary feature. Alteration and/or staining were common in samples in these claims and is likely the result of currently unmapped structures and surficial weathering in the area.

As mapping during this program centered on carbonate units, the western contact with the igneous Slide Mountain Terrane was not identified in any of the claims.

4. 2007 DIAMOND DRILLING

The diamond drilling was conducted under Mines Act Permit MX-11-198, originally obtained in June, 2006, and extended to the end of 2007. Sixteen NQ diamond drill holes totalling 3093.59 m were completed between August 12 to November 5, 2007.

The drill holes are within claims Pat 1 and Pat 2 (Fig. 4.1), and were drilled within and around cut block 59/12. McElhanney Consulting Services Ltd. were contracted to survey in the 2007 drill holes and access trails (Fig. 4.1), utilizing a differential GPS system. Surveyed drill hole locations are included in the drill logs (Appendix 3).

Where possible, drill targets were positioned along existing roads and trails; however, rehabilitation and some road construction was required. A Licence to Cut (L47326) was obtained

from the BC Ministry of Forests in July, 2006. Since originally obtaining the Licence to Cut, it has been edited and extended to the end of 2008. KBK Holdings Ltd. was hired to conduct the required roadwork, including the cutting and collecting of merchantable timber.

The drilling was contracted to Glen's Diamond Drilling of Logan Lake, BC. The diamond drill was a self-contained, skid-mounted Longyear 38. The drillers also provided a D6 Cat, which was utilized to clear access, level drill pads, and perform other drilling-related activities on site. Other equipment included four-wheel-drive trucks, ATV's for a limited time, and a water truck, which was contracted from Grandview Water Haulers of Prince George. Water required during the day was obtained from a water well installed at Hole PAT06-06.

Logging of the core was conducted at a site south of cut block 59/12, at the intersection of Logging Roads 1200 and 5912 (Fig. 4.1, Appendix 3). An Atco Structure was rented to accommodate logging in the field. Carbonate units were quality assessed utilizing a Muriatic acid bath for etching.

The logged core was transported to a warehouse in Prince George, where it was split and sampled. A total of 2,171 samples were collected and shipped via Purolator to the Central Analytical Laboratory of Graymont Western U.S. Inc. in Salt Lake City, Utah for analyses by ICP techniques (Appendix 2). The remaining core was replaced in the core boxes and is currently stored on a privately owned acreage lot approximately 30 km east of Prince George.

White calcite blebs, stringers, and veins were common throughout. Surficial staining and variable fractures were present, especially in the upper part of the holes. Strongly fractured intervals were typically accompanied by rusty staining or rusty clay-like material. Stylolites were relatively abundant, some with black carbonaceous material, others with red hematitic material.

The units defined in the 2006 core review were revised during the 2007 drill program. Following is a brief overall summary of the defined rock units, utilized for correlation between drill holes. Low quality (ie. low-calcium, high-silica) rock was encountered stratigraphically low, defined as Unit 1A, and stratigraphically high, Unit 6A. The remaining units, stratigraphically between the low-calcium rock, comprise the general quarriable ore zone. More interpretation is required to further define and outline the character of impure units within the zone, to accurately determine a quarriable resource estimate. Generally, limestone containing greater than 95% CaCO_3 is considered high-quality quarriable limestone; however, it often depends on the impurities present. Dolomite does not interfere with the lime processing as much as silica. Often the limestone is considered poor quality if it contains greater than 2% SiO_2 .

4.1 Unit 1A

Unit 1A is a defined non-quarriable unit due to high silica content. It would be the potential base of a quarry development.

The unit consists of dark-grey, strongly carbonaceous dolomitic lime wackestone to packstone fining upwards cycles with discrete very-dark-grey to black, carbon-rich siliceous dolomitic mudstone interbeds. The unit is relatively consistent throughout the drilling area, and is defined on the presence of siliceous mudstone interbeds.

The analyses confirm the poor quality of the unit with consistently high percentages of MgCO_3 and SiO_2 .

Unit 1A was encountered in holes PAT07-02 through PAT07-05, PAT07-07, and PAT07-10 through PAT07-16. Generally, the goal was to intercept Unit 1A prior to ceasing the hole in order to define a base for the limestone resource.

4.2 Units 1B & 1C

Units 1B and 1C consist of similar dark-grey, carbonaceous dolomitic lime wackestones to packstones fining upwards cycles as Unit 1A. The distinct difference is the lack of carbon-rich siliceous mudstone interbeds.

Units 1B and 1C are distinguished based on the dolomite content. Overall, the lithologies of the two units are the same; however, unit 1B intervals contain more than 4% MgCO_3 , whereas unit 1C contains less than 4% MgCO_3 .

4.3 Unit 2A

Unit 2A is a massive, high-calcium reefal unit. The majority of encountered 2A consists of stromatoporoid-rich lime boundstone. The unit is generally bioclast-rich and diverse, commonly containing colonial corals and lesser solitary corals, crinoid ossicles and stems, abundant shells (brachiopods, bivalves, and gastropods), and shell fragments. Occasionally, calcite is present as irregular primary reefal porosity infill.

The unit is consistently high-quality limestone, commonly with average grades greater than 98% CaCO_3 . Rarely, minimal secondary dolomite is present, suspected to be the result of structure.

Unit 2A ranges in thickness throughout the drilling area up to nearly 60 m thick in the southeastern holes.

4.4 Units 2B & 2C

Units 2B and 2C are bioclast-rich packstone-grainstone units related to unit 2A. Unit 2 is commonly interbedded and differences are believed to be related to water level changes within the same reefal environment. Unit 2C is only noted in the drill holes west of the cut block.

The units are similar in quality to Unit 1A with minimal MgCO_3 and SiO_2 .

4.5 Units 3A & 3B

Unit 3 is distinguished from units 2 and 4 by the carbonaceous nature of the unit.

Both units 3A and 3B consist of lime mudstone to packstone fining upwards cycles. They are divided based on the proportion of bioclasts visible at a hand lens scale. Unit 3A is bioclast-rich, whereas unit 3B is bioclast-poor.

The majority of units 3A and 3B are high-calcium limestones; however, weakly dolomitic horizons are noted. Although the dolomitic horizons can be common in some intersections, the majority of units 3A and 3B are still considered quarriable.

4.6 Units 3C & 3D

Units 3C and 3D are fine-grained dolomitic units. Unit 3C is a carbonaceous dolomitic lime mudstone, and 3D is a highly impure dolomudstone. Both 3C and 3D are not commonly intercepted in the drilling area. They are occasionally accompanied by a small increase in silica but not consistently. Unlike units 3A and 3B, no cycles or coarse-grained fossils are evident.

4.7 Units 4A & 4B

Unit 4 is similar to unit 2. It consists of non-carbonaceous, wackestone to packstone/grainstone fining upwards cycles.

Unit 4A is bioclast-rich and unit 4B is the overall bioclast-poor variant. A reefal 4A is noted in the holes west of the cut block. Both units are high-calcium limestones with very minimal MgCO_3 and SiO_2 . Impurities are generally structurally related where present.

4.8 Unit 4C

Unit 4C is a distinctly ooid-rich packstone-grainstone interval. The unit is only noted in holes PAT07-01, PAT-13, and PAT-14; however, it is suspected that the abundance of the unit may be

misleading due to the commonly difficult to identify ooids. Many of the holes are well fractured and/or bleached, and the ooids might not be recognized. Unit 4C may often be mistaken as unit 4B, as 4B is commonly described as granular with bioclasts too fine-grained to identify.

Unit 4C is a high-calcium unit with low MgCO_3 and SiO_2 content.

4.9 Unit 5A & 5B

Units 5A and 5B are distinguished from unit 4 by the distinctly carbonaceous nature. The units consist of dark-grey lime mudstones to packstones fining upwards cycles. Unit 5A is relatively dolomitic, whereas unit 5B is overall non-dolomitic.

4.10 Unit 5C

Unit 5C is a semi-massive dolomudstone, similar to unit 3D. The very high MgCO_3 content is believed to be primary. The unit is generally short and distinct.

Overall, the analyses indicated very poor to moderate quality limestone with percentages of MgCO_3 up to 38.22% (Hole PAT07-13).

4.11 Unit 6A

Unit 6A is very similar to unit 1A but the noted occurrences are overall finer-grained. The base of unit 6A is considered the potential upper limit to the quarriable resource.

The unit consists of carbonaceous, fine-grained wackestone to packstone-grainstone fining upwards cycles with discrete carbon-rich siliceous dolomitic mudstone interbeds.

Unit 6A was encountered in holes PAT07-05, PAT-08, PAT-13, PAT-14, and PAT07-16.

4.12 Unit 6B

Unit 6B is very similar to 6A, but lacks the mudstone interbeds. Overall, unit 6B remains a quarriable unit with low silica content. It is often accompanied by dolomite but generally contains greater than 95% CaCO_3 .

5. REGIONAL EXPLORATION

A regional exploration program was conducted in order to assess the limestone quality and quarry potential outside the Pat claim area.

Due to the vast area and tree cover, a helicopter was utilized for a day to fly over the Hansard and Bowron claims and outline visible outcrops. Topography maps and GPS units were used to sketch and waypoint areas of interest.

The groundwork concentrated on the Hansard claim area due to various logistical advantages, including road access, and favorable distance to the Fraser River and the railroad at Upper Fraser. Limestone outcrops were examined and sampled at more than 31 locations (Fig. 5.1, Appendix 4). In total, 106 intervals were measured, representing approximately 250 m of stratigraphy. Geological observations were recorded, including lithologic information, measurements of structural elements, and other pertinent details. A solution of 6% HCl was used to assess carbonate quality in the field. In some instances, interval thicknesses were determined by measuring outcrops perpendicular to bedding, where it could be identified.

The samples were shipped to the Central Analytical Laboratory of Graymont Western U.S. Inc. in Salt Lake City, Utah for analyses. Overall, the results were promising with many of the samples returning greater than 95% CaCO₃. Two of the best sample sections were collected from Auto Ridge, sections 2007-05 and 2007-06 (Fig. 5.1, Appendix 4). Section 2007-05, at the west end of the ridge averaged 97.12% CaCO₃, 1.17% MgCO₃, and 0.43% SiO₂. Section 2007-06, from the east end of Auto Ridge, averaged 97.44% CaCO₃, 0.77% MgCO₃, and 0.28% SiO₂. The presence of high-quality limestone at either end of Auto Ridge identified it as a target for the recently completed drill program.

6. DISCUSSION AND CONCLUSIONS

The structure of the Pat project area is complex but correlating units in a gross overall aspect has proven useful. The most important correlations in determining a valuable resource estimate include defining the base of unit 1A and the top of unit 6A. Since the 2007 drill program is the first to encounter unit 6A, more drilling is required to better define the character of the unit in the area. Thick sequences of high-quality limestone were confirmed and identified in the majority of the 2007 drill holes.

Further geological and quarriability studies are required to estimate limestone reserves and assess the value of a quarry within cut block 59/12. The data included in this report is currently

being compiled into a Gemcom database to produce multiple cross sections and 3-D models with the intention of determining a preliminary resource estimate for the area. The high-calcium limestone is limited to the east by the presence of volcanics outlined in the 1994 and 2005 magnetometer surveys, to the north by the stratigraphically low, siliceous unit 1A, and to the south by the stratigraphically high, siliceous unit 6A; however, the high-quality limestones remain open to the west-northwest.

Additional diamond drilling, and specifically in-fill drilling, is recommended as the next stage of exploration to better define the extent of high-calcium limestone. This will ideally aid in stratigraphic correlations, and allow for an accurate quarriable resource estimate.

The data collected in the Hansard mapping and sampling program was utilized to determine drill targets for a winter drill program, which was conducted in February, 2008. The pertaining costs will be claimed and an accompanying assessment report will be submitted.

J. Tanton, B.Sc., P.Geol.

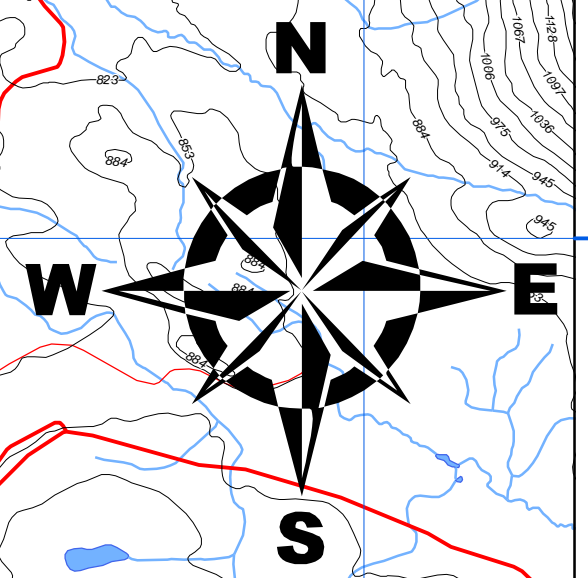
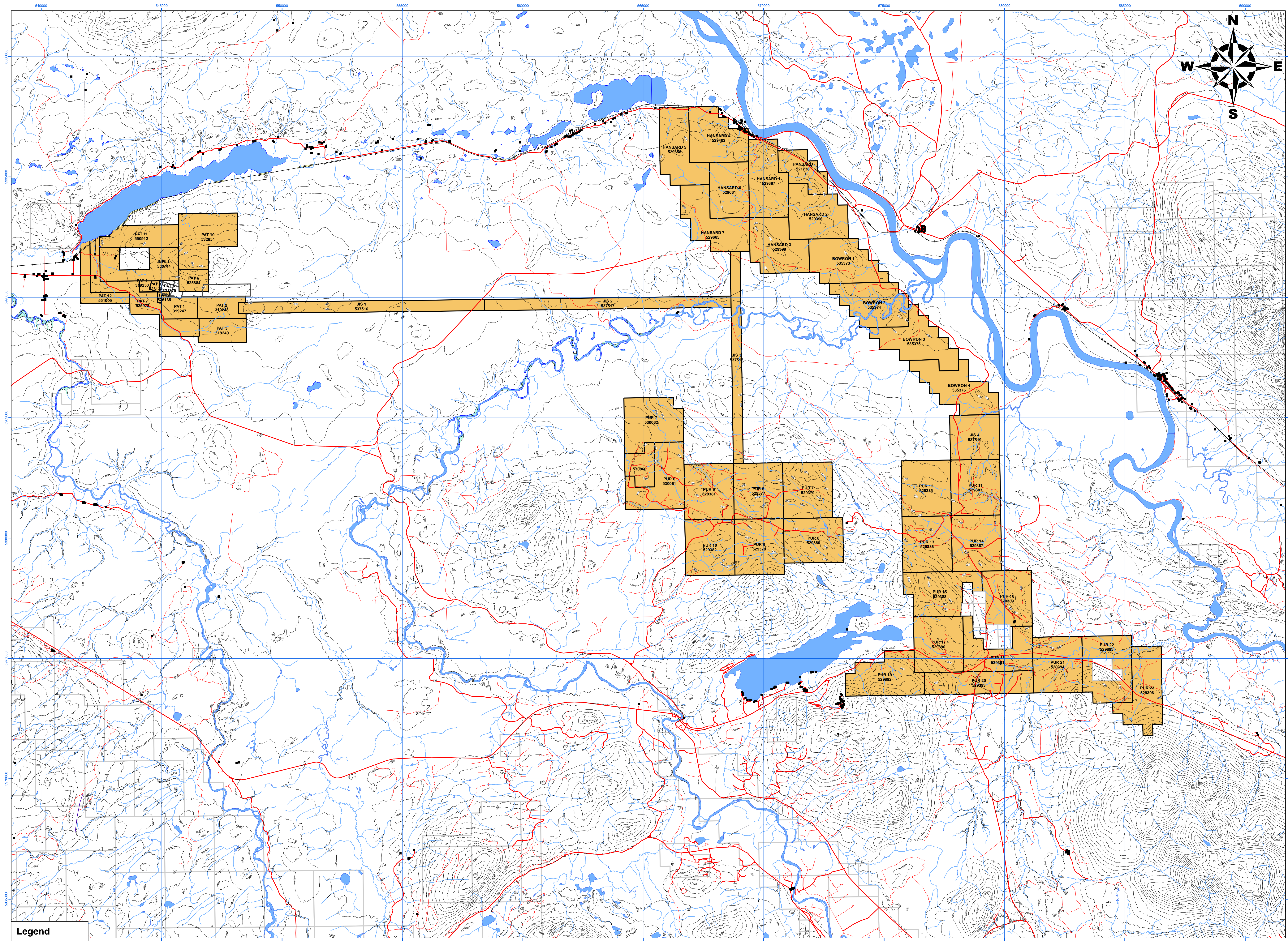
P. Kluczny, B.Sc., Geol. I.T.

7. REFERENCES

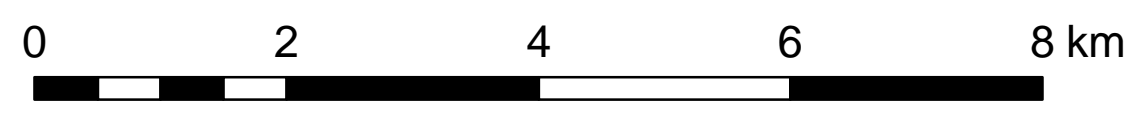
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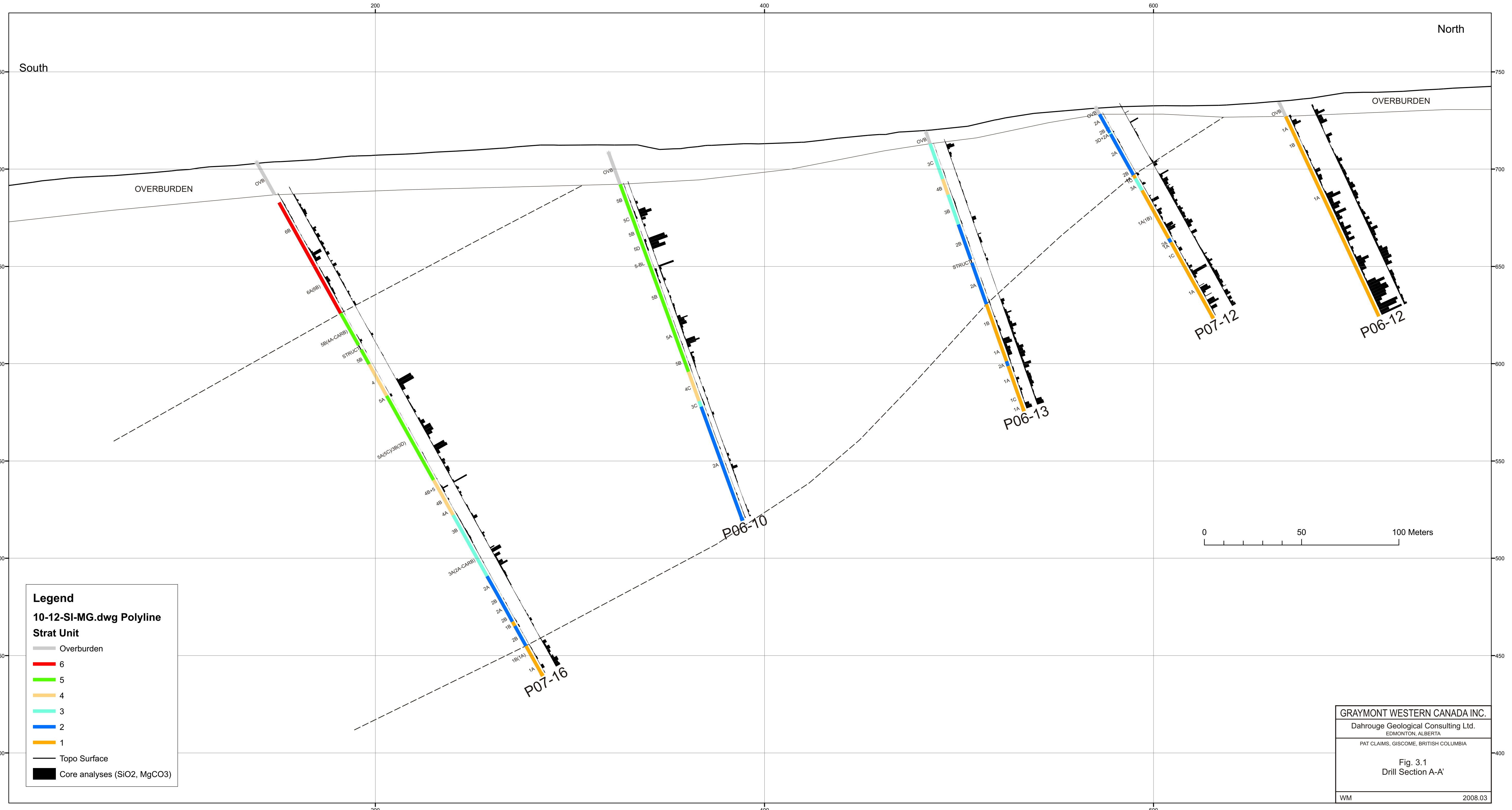




- Legend**
- Minor road/trail
 - Railway
 - Major road
 - River/stream
- Mineral Tenures**
- Graymont
 - Pacific Lime
 - Other



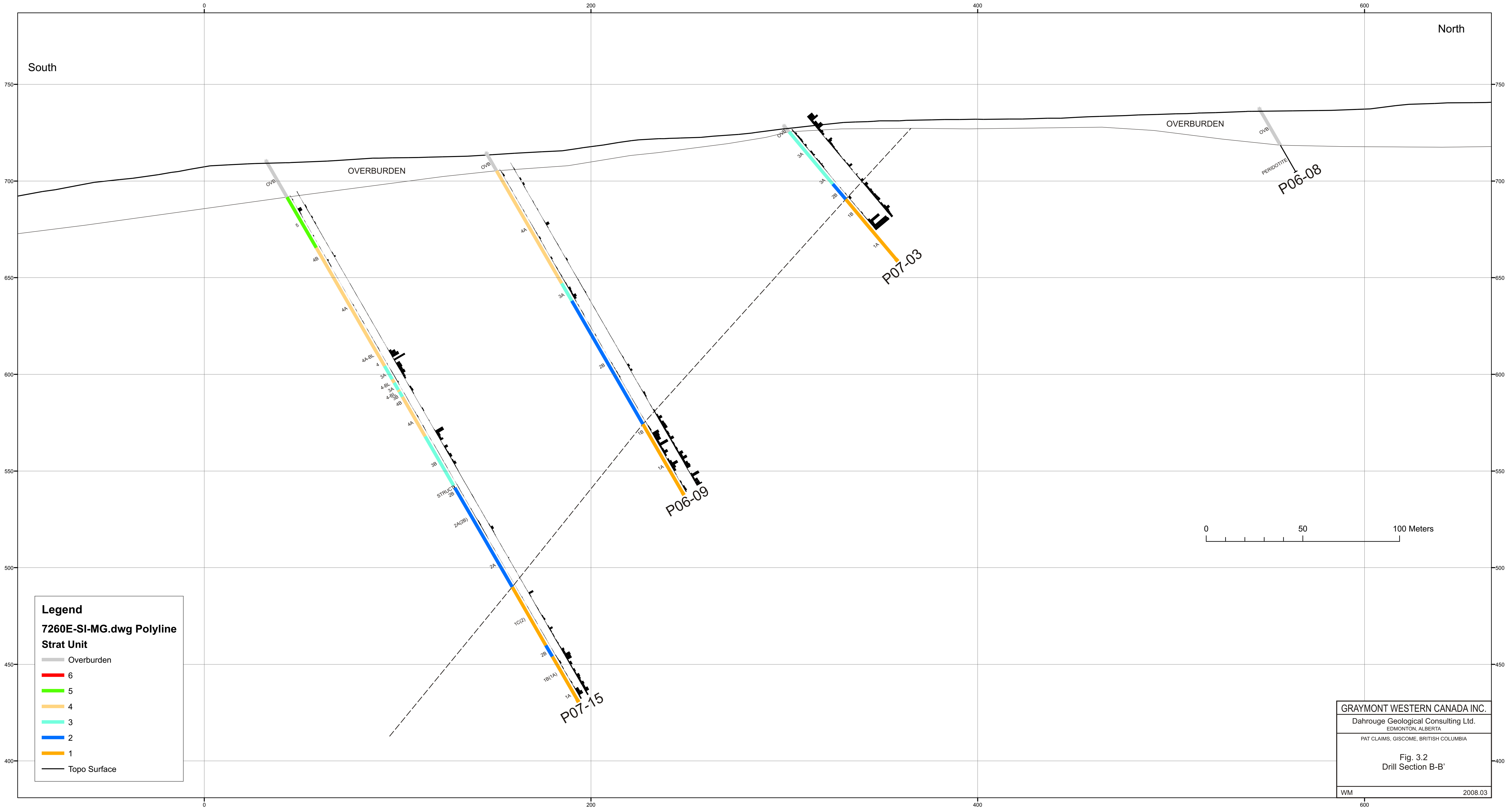
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 Coordinate System: UTM NAD83
 Contour Interval = 40 m

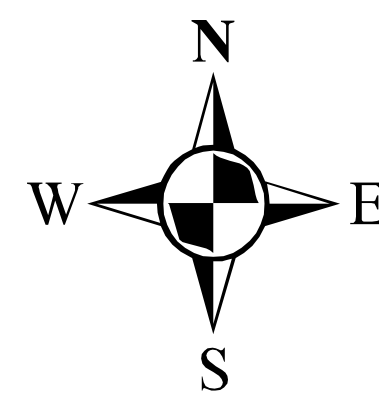
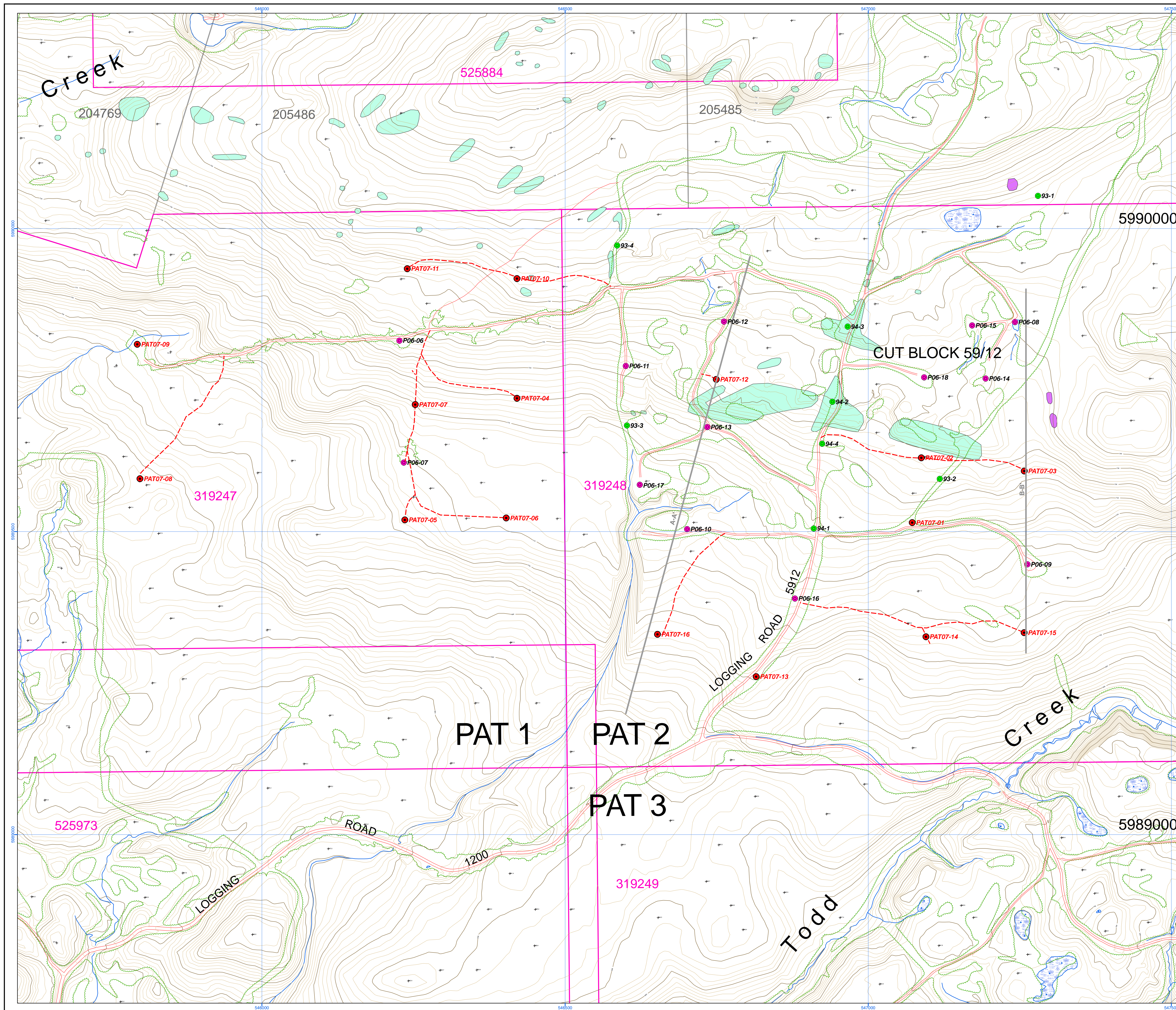


Legend
10-12-SI-MG.dwg Polyline
Strat Unit

- Overburden
- 6
- 5
- 4
- 3
- 2
- 1
- Topo Surface
- Core analyses (SiO₂, MgCO₃)

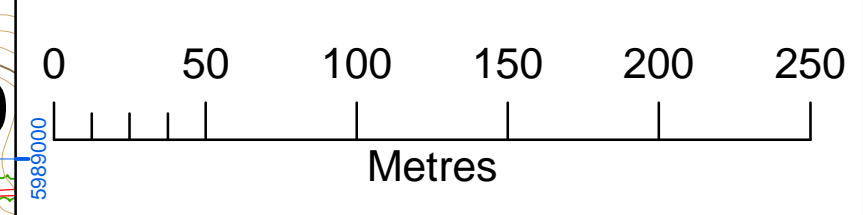
GRAYMONT WESTERN CANADA INC.	
Dahrouge Geological Consulting Ltd.	
EDMONTON, ALBERTA	
PAT CLAIMS, GISCOME, BRITISH COLUMBIA	
Fig. 3.1 Drill Section A-A'	
WM	2008.03





Legend

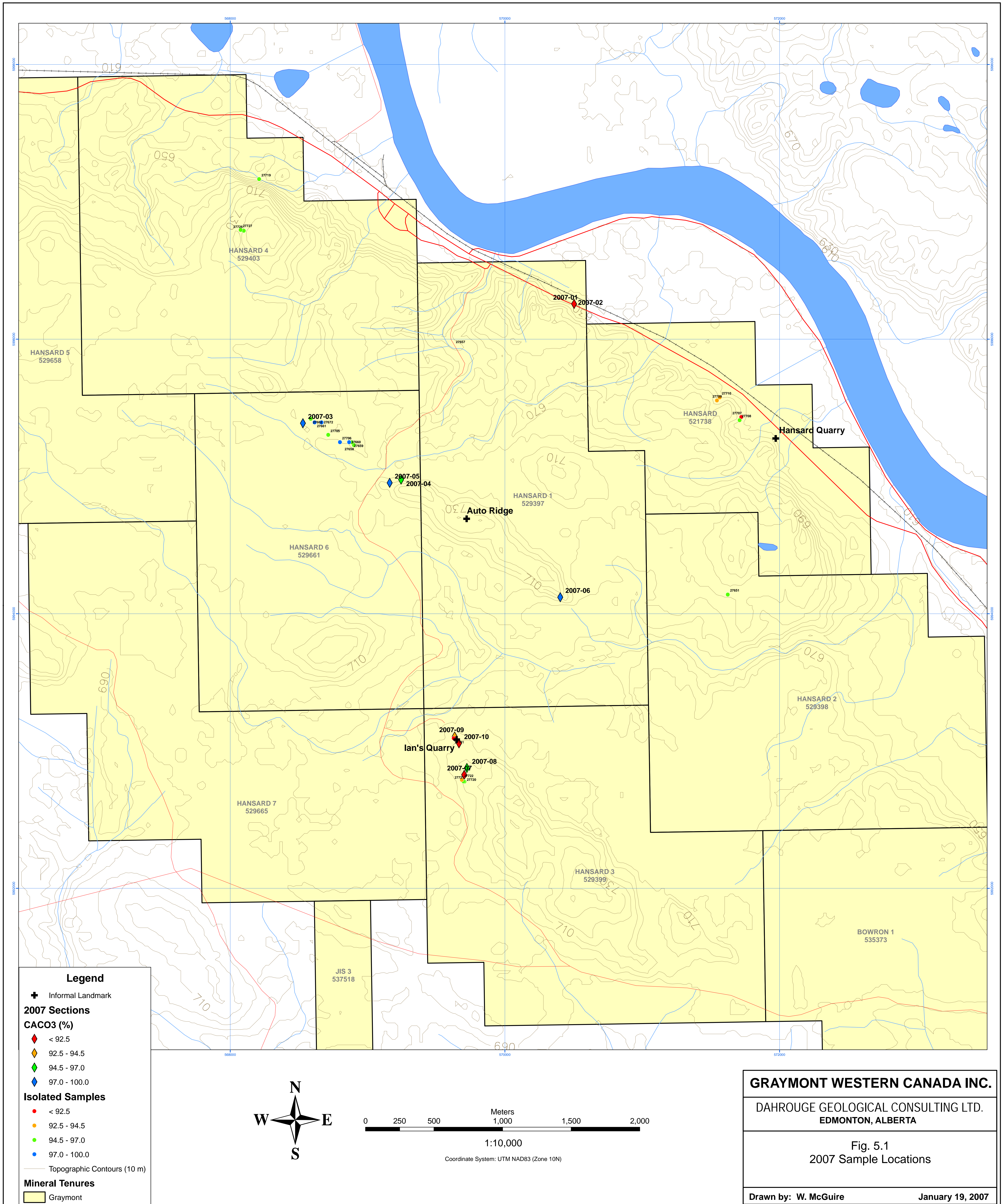
- Building
- Contour (index)
- Contour (intermediate)
- Fence
- Hydrology
- Treeline
- Pit
- Spot height
- Structure
- Concrete slab
- Road, gravel
- Road, paved
- Railway
- Rough road, trail
- Pile, gravel or rock
- Transport structure
- Road surface change
- Culvert, drainage pipe
- Power Pole
- Building
- HYD_CANAL
- HYD_FLOW_ARROW
- Lake
- Marsh
- Reservoir
- River, wide
- Tailings pond
- Pile
- Tank
- + Spot height
- X-section lines
- Drillhole**
- 1993; 1994
- 2006
- 2007
- Outcrop Rock Types**
- ANDESITE
- ANDESITE-BX
- ANDESITE-TUFF
- BASALT
- FELSIC-DYKE
- GABBRO
- GRANITE
- LS
- ULTRABASIC
- Mineral Claims**
- Other
- Ecowaste Industries Ltd.
- Pacific Lime Products (1997) Ltd



Notes: Map updated 2007/08/21

GRAYMONT WESTERN CANADA INC.
 Dahrouge Geological Consulting Ltd.
 EDMONTON, ALBERTA
 GISCOME, PAT CLAIMS, BRITISH COLUMBIA

Fig. 4.1
2007 DDH Locations



GRAYMONT WESTERN CANADA INC.
 DAHROUGE GEOLOGICAL CONSULTING LTD.
 EDMONTON, ALBERTA

Fig. 5.1
 2007 Sample Locations

Drawn by: W. McGuire
 January 19, 2007

APPENDIX 1: ITEMIZED COST STATEMENT**a) Personnel**

J. Dahrouge, geologist

11.30	days	office	meetings, supervising and report preparation, prepare cost statements, organize shipping of merchantable timber, communications	
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 11.30 days total

10.00	days	@	\$ 577.70	\$ 5,777.00
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1.30	days	@	\$ 630.70	\$ 819.91
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J. Tanton, geologist

96.00	days	field	Project supervision; Core logging & setting out samples, Geological mapping & rock sampling at Hansard Mar26-31, Apr22-30, May 1-3, 22-31, June 1-9, Aug12-13, 15-17, 19-31, Sept3-20, 25-30, Oct 1-20	
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38.60	days	office	Project planning & preparation, project supervision, meetings, permitting, data entry, prepare drill logs, correlate x-sec's, interpret geology, report preparation	
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 134.60 days total

13.40	days	@	\$ 487.60	\$ 6,533.84
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121.20	days	@	\$ 503.50	\$ 61,024.20
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P. Kluczy, geologist

43.00	days	field	Core logging & setting out samples; geological mapping & rock sampling at Hansard Mar 26-31, May 22-31, June 1-9, Oct 19-31, Nov 1-5	
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52.00	days	office	data entry, maintain database, report preparation, logistics, planning & preparing for drilling, compilation report, permitting	
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95.00	days	@	\$ 434.60	\$ 41,287.00
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W. McGuire, field assistant and draftsman

34.60	days	office	Prepare maps and figures, data entry, correlate stratigraphy, Gemcom work - prepare and update database, review air photos, planning drill hole locations, aid with permit applications	
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34.60	days	@	\$ 482.30	\$ 16,687.58
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C. Agyemang-Badu, geologist

1.70	days	office	Generate drill sections	
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1.70	days	@	\$ 471.70	\$ 801.89
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D. Pana, geologist

10.00	days	field	Structural mapping June 1-10	
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10.00	days	@	\$ 600.00	\$ 6,000.00
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T. Martin, assistant, student

31.50	days	field	Assist in plotting drillholes, Geological mapping & rock sampling at Hansard May 22-31, June 1-9, Aug 12-13, 15-17, 19-31	
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2.60	days	office	Field preparation, data entry	
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34.10	days	@	\$ 328.60	\$ 11,205.26
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I. MacDougall, assistant, student

19.00	days	field	Assist in plotting drillholes, Geological mapping & rock sampling at Hansard May 22-31, June 1-9	
<u>2.70</u>	days	office	Field preparation, data entry	
21.70	days	@	\$ 328.60	\$ 7,130.62

S. McRae, assistant, student

32.00	days	field	Core splitting & sampling, pickup & transfer core, assist in field Sept 15-30, Oct 1-16	
<u>0.00</u>	days	office		
32.00	days	@	\$ 328.60	\$ 10,515.20

K. Smail, assistant

31.50	days	field	Core splitting & sampling, pickup & transfer core Oct 6-31, Nov 1-6	
<u>31.50</u>	days	@	\$ 355.10	\$ 11,185.65

M. Leslie, assistant

18.00	days	field	Core splitting & sampling Sept 28-29, Oct 16-30, Nov 1	
<u>18.00</u>	days	@	\$ 355.10	\$ 6,391.80

D. McDonagh, assistant

22.70	days	field	Core splitting & sampling, pickup & transfer core Aug 23-31, Sept 1-14	
<u>22.70</u>	days	@	\$ 312.70	\$ 7,098.29

B. Dahrouge, assistant

6.00	days	field	Transport supplies & personnel May 21-22, June 7-8, Aug 26-27	
<u>6.00</u>	days	@	\$ 312.70	\$ 1,876.20

O. Fedorus, assistant

15.00	days	field	Core splitting & sampling Aug 26-31, Sept 1-9	
<u>15.00</u>	days	@	\$ 312.70	\$ 4,690.50

S. Sparrow, office assistant

3.00	hrs	office	Travel arrangements, shipping info	
<u>3.00</u>	hrs	@	\$ 26.50	\$ 79.50

\$ 199,104.44

FIELD WORK SUMMARY:**Hansard Geological Mapping & Rock Sampling:**

Claims Hansard & Hansard 1 - 7

3,452 hectares; 106 rock samples collected

Field Personnel: J. Tanton, P. Kluczny, T. Martin, I. MacDougall, B. Dahrouge

Giscome Drill Program:

Claims PAT 1 & 2

16 NQ-sized diamond drill holes totalling 3,093.59 metres; 2,171 core samples collected

Field Personnel: J. Tanton, P. Kluczny, T. Martin, S. McRae, K. Smail, M. Leslie,
D. McDonagh, B. Dahrouge, O. Fedorus

b) Food and Accommodation

316 man-days @ \$ 92.25 accommodations	\$ 29,179.79	
316 man-days @ \$ 44.92 meals, groceries and other	\$ 14,208.98	
		\$ 43,388.76

c) Transportation

Flights: Airfare: Edmonton to & from Prince George	\$ 8,799.64	
Aberdeen Helicopters - 2½ hrs regional mapping & locating of outcrop	\$ 3,094.14	
Vehicles: 4x4 Truck Rental(s)	\$ 20,984.02	
ATV & Trailer Rental(s)	\$ 6,821.10	
Mileage (Truck)	\$ 3,865.46	
Fuel	\$ 5,670.31	
Taxi	\$ 227.70	
Utility Trailer(s)	\$ 1,177.66	
		\$ 50,640.02

d) Equipment and Instrument Rental(s)

Atco Trailer	\$ 2,658.48	
CAT Rental Store: generator, propane tanks	\$ 2,311.25	
Westcan Wireless: Two-Way Radios	\$ 1,259.28	
		\$ 6,229.01

e) Drilling

Glen Shaw - Diamond Drilling (16 holes;3,094 m; NQ Core)	\$399,358.79	
Grandview Water Hauling	\$ 46,121.10	
KBK Holdings Ltd. - Access and trails	\$ 54,958.91	
Warehouse Storage - Hurricane High Pressure Wash	\$ 16,706.33	
BC Ministry of Forests - filing drilling work, deposits	\$ 2,218.06	
Alex Knox Consulting Services - geological services	\$ 29,508.89	
		\$ 548,872.08

f) Analyses

Central Lab of Graymont Western U.S. Inc. (Giscome 2171 drill core and Hansard 106 rock samples)		
Sample shipping via Purolator	\$ 10,101.73	
2277 samples @ \$ 4.50 preparation fee	\$ 10,246.50	
2277 samples @ \$ 25.00 sample analysis	\$ 56,925.00	
		\$ 77,273.23

g) Other

Courier and Shipping	\$ 1,505.46	
Disposable Supplies	\$ 14,283.58	
Photos	\$ 121.30	
Permits	\$ 150.30	
Software Rental - Gemcom	\$ 2,098.80	
Plots - E-size	\$ 1,399.20	
Telephone Charges	\$ 1,723.66	
		\$ 21,282.29

Total**\$ 946,789.85**

APPENDIX 2: ANALYTICAL LABORATORY INFORMATION AND TECHNIQUES

Name and address of the Lab:

Graymont Western US inc, Central Laboratory.
670E 3900S. Suite 200, Salt Lake City, Utah, 84107

Statement of qualifications of the chemist:

Jared Leikam, B.S. in chemistry from the University of Utah, class of 2003. Jared started working for Graymont Western in Feb 2004 and has been working with the ICP spectrometer for one and a half years, under the direct supervision of Carl Paystrup (Lab Supervisor).

Vonda Stuart, B.S. in chemistry from Weber State University 2004. Vonda started with Graymont in August 2007 and in September 2007 started working in the ICP lab.

Sample preparation , procedures, reagents, equipment, etc.:

For the ICP sample preparation, 0.5 grams of the sample is mixed with 3g of lithium carbonate. The sample and the lithium carbonate are then fused together in a muffle furnace at 850C. After the fusion process the samples are dissolved in 1:1 HCl, a total of 40ml 1:1 HCl is used in the dissolving process. The samples are then diluted to 200ml and spiked with 10ppm Co. The cobalt is used as an internal standard. At this point the samples are ready for analysis on the Perkin Elmer, Optima 3000.

Mesh size fraction, split and weight of sample:

Upon receiving the samples, the prep room technician riffles and then splits the stone down to a manageable size (roughly 200g). The stone is then dried in an oven at 120°C. Once the samples have been dried they get pulverized to a -200 mesh size. A split of this pulverized material is then sent for testing in the main part of the lab.

Quality control Procedures:

The ICP spectrometer is calibrated with two certified reference materials prior to analyzing a batch of samples. A batch typically contains 96 samples. Every 12th sample in a batch is a certified limestone reference sample. In addition to the 8 reference samples imbedded in the batch, there are 2 limestone reference samples analyzed at the beginning and at the end of the batch to ensure the accuracy of our Na and P numbers. Every element being analyzed in a sample is backed up by data from the certified reference materials. We also use an internal standard(10ppm Co) to further ensure the quality and accuracy of the analysis.

10/Can Geo/Stone

Sample	Sample Date	Sample Time	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total
PAT 07 - 01	40301	9/6/2007	98.22	55.03	0.62	0.29	0.050	0.064	483	31	0.15	71	159	42	6552	38	0.003	43.17	99.50
PAT 07 - 01	40302	9/6/2007	98.89	55.40	0.57	0.27	0.039	0.020	453	26	0.13	51	38	49	1212	1	0.011	43.79	99.85
PAT 07 - 01	40303	9/6/2007	99.04	55.49	0.52	0.25	0.034	0.016	369	23	0.05	40	33	25	1113	21	0.007	43.72	99.72
PAT 07 - 01	40304	9/6/2007	99.17	55.56	0.51	0.24	0.027	0.015	349	21	0.05	39	36	25	698	14	0.000	43.70	99.71
PAT 07 - 01	40305	9/6/2007	99.19	55.58	0.49	0.23	0.034	0.019	368	19	0.08	38	41	35	385	22	0.007	43.65	99.69
PAT 07 - 01	40306	9/6/2007	98.93	55.43	0.52	0.25	0.049	0.065	451	18	0.13	40	51	37	655	28	0.012	43.72	99.79
PAT 07 - 01	40307	9/6/2007	99.10	55.52	0.54	0.26	0.045	0.081	484	17	0.02	47	34	25	274	27	0.010	43.65	99.68
PAT 07 - 01	40308	9/6/2007	99.12	55.54	0.54	0.26	0.061	0.012	443	17	0.02	52	<30	36	379	30	0.001	43.49	99.47
PAT 07 - 01	40309	9/6/2007	98.84	55.38	0.66	0.31	0.040	0.084	467	16	0.05	48	<30	31	415	22	0.009	43.52	99.50
PAT 07 - 01	40310	9/6/2007	98.69	55.29	0.86	0.41	0.045	0.012	460	16	0.04	49	<30	32	1195	9	0.013	43.77	99.76
PAT 07 - 01	40311	9/6/2007	98.81	55.36	0.79	0.38	0.031	0.011	485	13	0.01	51	<30	29	1240	24	0.014	43.63	99.62
PAT 07 - 01	40312	9/6/2007	98.40	55.13	1.03	0.49	0.048	0.022	464	16	0.14	50	40	34	552	9	0.019	43.77	99.74
PAT 07 - 01	40313	9/6/2007	98.53	55.21	1.06	0.51	0.055	0.021	424	17	0.04	60	30	37	1278	7	0.006	42.34	98.36
PAT 07 - 01	40314	9/6/2007	97.66	54.72	1.48	0.71	0.054	0.018	424	19	0.02	59	34	39	1470	24	0.014	43.54	99.28
PAT 07 - 01	40315	9/6/2007	98.44	55.16	1.04	0.50	0.040	0.015	420	15	0.10	48	40	30	461	9	0.007	43.35	99.26
PAT 07 - 01	40316	9/6/2007	98.62	55.26	0.99	0.47	0.039	0.036	436	17	0.04	56	36	26	791	11	0.017	43.45	99.45
PAT 07 - 01	40317	9/6/2007	98.54	55.21	0.97	0.46	0.041	0.019	445	15	0.05	49	32	31	197	17	0.012	43.23	99.11
PAT 07 - 01	40318	9/6/2007	98.30	55.07	0.92	0.44	0.037	0.017	490	14	0.03	48	38	32	417	25	0.012	43.28	98.99
PAT 07 - 01	40319	9/6/2007	98.50	55.19	1.07	0.51	0.031	0.085	539	16	0.06	51	43	40	740	48	0.010	43.68	99.71
PAT 07 - 01	40320	9/6/2007	98.90	55.41	0.60	0.29	0.068	0.018	771	15	0.11	52	49	49	481	38	0.012	43.52	99.58
PAT 07 - 01	40321	9/6/2007	97.15	54.43	2.34	1.12	0.029	0.024	686	13	0.10	47	55	37	284	14	0.006	43.57	99.40
PAT 07 - 01	40322	9/6/2007	94.04	52.69	5.32	2.54	0.033	0.056	396	17	0.05	39	34	27	366	14	0.006	43.84	99.31
PAT 07 - 01	40323	9/6/2007	92.63	51.90	6.84	3.27	0.071	0.048	359	22	0.12	40	57	35	714	27	0.004	43.92	99.46
PAT 07 - 01	40324	9/6/2007	96.27	53.94	3.17	1.51	0.063	0.042	331	30	0.11	39	54	43	1459	14	0.017	43.73	99.61
PAT 07 - 01	40325	9/6/2007	97.13	54.42	2.22	1.06	0.038	0.029	349	27	0.07	34	42	27	1161	26	0.010	43.47	99.27
PAT 07 - 01	40326	9/6/2007	96.92	54.30	2.60	1.24	0.055	0.040	327	26	0.13	38	93	33	916	25	0.006	43.00	98.92
PAT 07 - 01	40327	9/6/2007	90.46	50.68	8.78	4.19	0.044	0.052	332	30	0.15	38	94	43	1966	33	0.004	43.29	98.67
PAT 07 - 01	40328	9/6/2007	97.27	54.50	2.19	1.05	0.057	0.057	357	23	0.12	49	138	33	916	39	0.005	43.57	99.51
PAT 07 - 01	40329	9/6/2007	95.61	53.57	3.75	1.79	0.043	0.040	346	29	0.18	36	85	39	954	35	0.001	43.98	99.76
PAT 07 - 01	40330	9/6/2007	98.77	55.34	0.63	0.30	0.053	0.036	378	30	0.23	37	80	55	878	10	0.004	43.74	99.85
PAT 07 - 01	40331	9/6/2007	98.67	55.28	0.67	0.32	0.069	0.056	392	36	0.12	48	103	33	1717	21	0.005	43.55	99.63
PAT 07 - 01	40332	9/6/2007	85.76	48.05	13.04	6.23	0.076	0.208	386	31	0.42	78	542	59	1927	148	0.002	44.36	99.67
PAT 07 - 01	40333	9/6/2007	94.32	52.85	5.12	2.45	0.047	0.070	375	26	0.14	55	142	36	1161	44	0.001	43.73	99.47
PAT 07 - 01	40334	9/6/2007	98.71	55.31	0.61	0.29	0.033	0.066	357	24	0.16	45	135	27	864	34	0.002	43.53	99.54
PAT 07 - 01	40335	9/6/2007	98.90	55.41	0.54	0.26	0.042	0.043	375	23	0.13	53	99	29	584	23	0.003	43.48	99.48
PAT 07 - 01	40336	9/6/2007	98.67	55.28	0.61	0.29	0.037	0.052	441	24	0.14	59	135	29	871	35	0.002	43.45	99.41
PAT 07 - 01	40337	9/6/2007	98.74	55.32	0.75	0.36	0.049	0.055	443	21	0.11	65	121	30	717	28	0.004	43.92	99.96
PAT 07 - 01	40338	9/6/2007	98.57	55.23	1.00	0.48	0.041	0.040	369	24	0.10	46	65	32	700	18	0.003	43.80	99.81
PAT 07 - 01	40339	9/6/2007	97.41	54.58	1.75	0.83	0.037	0.037	347	27	0.09	45	83	32	660	15	0.004	43.77	99.47
PAT 07 - 01	40340	9/6/2007	97.91	54.86	1.68	0.80	0.030	0.037	304	31	0.08	39	62	36	546	27	0.001	43.75	99.66
PAT 07 - 01	40341	9/6/2007	98.72	55.31	0.73	0.35	0.058	0.064	322	34	0.11	42	111	39	722	21	0.003	43.67	99.69
PAT 07 - 01	40342	9/6/2007	98.79	55.35	0.66	0.31	0.049	0.048	378	27	0.15	59	114	35	1141	28	0.002	43.43	99.52
PAT 07 - 01	40343	9/6/2007	98.63	55.26	0.77	0.37	0.099	0.066	490	27	0.11	71	137	41	1175	34	0.008	43.63	99.75
PAT 07 - 01	40344	9/6/2007	98.24	55.04	1.00	0.48	0.104	0.121	513	28	0.21	95	231	37	1005	75	0.003	43.56	99.71
PAT 07 - 01	40345	9/6/2007	98.70	55.30	0.63	0.30	0.096	0.084	441	30	0.15	93	187	34	1240	65	0.002	43.40	99.55
PAT 07 - 01	40346	9/6/2007	98.50	55.19	0.67	0.32	0.136	0.075	453	26	0.13	87	153	35	709	53	0.003	43.75	99.75
PAT 07 - 01	40347	9/6/2007	98.36	55.11	0.66	0.32	0.073	0.088	412	29	0.19	68	167	38	562	68	0.003	43.61	99.53
PAT 07 - 01	40348	9/6/2007	98.41	55.14	0.69	0.33	0.109	0.085	438	34	0.22	82	237	46	603	75	0.014	43.73	99.77
PAT 07 - 01	40349	9/6/2007	98.51	55.20	0.66	0.32	0.115	0.090	425	40	0.24	74	224	39	910	74	0.019	43.73	99.88
PAT 07 - 01	40350	9/6/2007	97.71	54.74	0.75	0.36	0.190	0.246	449	38	0.69	124	727	51	837	209	0.091	43.36	99.92
PAT 07 - 01	40351	9/6/2007	98.25	55.05	0.66	0.32	0.117	0.084	366	39	0.24	66	226	43	768	56	0.016	43.62	99.59
PAT 07 - 01	40352	9/6/2007	98.17	55.01	0.68	0.33	0.171	0.213	400	39	0.38	63	491	32	686	154	0.018	43.48	99.78
PAT 07 - 01	40353	9/6/2007	98.10	54.96	0.71	0.34	0.196	0.191	427	44	0.43	65	551	36	820	160	0.034	43.49	99.86
PAT 07 - 01	40354	9/6/2007	98.74	55.32	0.62	0.30	0.175	0.069	433	46	0.15	61	208	28	429	72	0.006	43.32	99.47

PAT 07 - 01	40355	9/6/2007	98.23	55.03	1.23	0.59	0.100	0.033	391	42	0.08	60	89	31	253	30	0.010	43.49	99.43
PAT 07 - 01	40356	9/6/2007	98.09	54.96	1.29	0.62	0.154	0.047	372	51	0.19	65	103	33	519	42	0.011	43.40	99.49
PAT 07 - 01	40357	9/6/2007	97.03	54.36	1.69	0.81	0.093	0.252	373	48	0.11	67	118	41	1464	41	0.008	43.37	99.22
PAT 07 - 01	40358	9/6/2007	98.61	55.25	0.76	0.36	0.067	0.122	327	44	0.20	53	99	59	787	24	0.000	43.13	99.27
PAT 07 - 01	40359	9/6/2007	98.83	55.37	0.51	0.24	0.110	0.136	303	54	0.16	47	86	61	619	25	0.002	43.06	99.21
PAT 07 - 01	40360	9/6/2007	97.95	54.88	0.83	0.40	0.266	0.171	407	63	0.47	58	511	50	909	157	0.038	43.40	99.84
PAT 07 - 01	40361	9/6/2007	97.66	54.72	1.12	0.53	0.114	0.163	489	32	0.55	78	493	46	673	127	0.014	43.32	99.61
PAT 07 - 01	40362	9/6/2007	98.26	55.06	0.72	0.34	0.151	0.177	448	33	0.36	70	452	45	541	126	0.004	43.20	99.46
PAT 07 - 01	40363	9/6/2007	97.68	54.73	1.12	0.53	0.183	0.193	493	36	0.45	79	558	49	699	160	0.015	43.36	99.67
PAT 07 - 01	40364	9/6/2007	97.07	54.39	1.77	0.84	0.117	0.130	518	32	0.60	90	396	58	569	108	0.047	43.60	99.91
PAT 07 - 01	40365	9/6/2007	96.23	53.92	1.47	0.70	0.214	0.323	539	44	1.00	118	1083	60	1071	294	0.167	43.75	100.39
PAT 07 - 01	40366	9/6/2007	96.19	53.89	1.47	0.70	0.211	0.331	501	56	1.28	82	1103	67	928	273	0.152	42.84	99.70
PAT 07 - 01	40367	9/6/2007	92.21	51.66	1.57	0.75	0.746	1.074	551	97	3.30	124	4188	84	1525	999	0.644	40.44	99.37
PAT 07 - 01	40368	9/6/2007	91.79	51.43	2.12	1.01	0.624	0.975	542	91	3.26	136	3815	80	1247	866	0.542	40.75	99.27
PAT 07 - 01	40369	9/6/2007	95.61	53.57	1.50	0.72	0.265	0.430	548	58	1.44	68	1525	62	675	376	0.202	42.55	99.51
PAT 07 - 01	40370	9/6/2007	92.59	51.87	4.67	2.23	0.221	0.410	464	55	1.36	82	1356	82	2693	318	0.159	42.71	99.47
PAT 07 - 01	40371	9/6/2007	95.62	53.57	1.46	0.70	0.201	0.449	511	57	1.24	86	1093	73	1333	263	0.146	42.75	99.41
PAT 07 - 01	40372	9/6/2007	95.61	53.57	2.91	1.39	0.100	0.213	445	57	0.58	84	657	75	3422	158	0.013	43.05	99.41
PAT 07 - 01	40373	9/6/2007	97.57	54.67	0.72	0.34	0.160	0.255	469	49	0.55	93	718	50	4400	197	0.013	43.07	99.66
PAT 07 - 01	40374	9/6/2007	98.19	55.02	0.94	0.45	0.050	0.039	477	56	0.11	68	120	47	651	23	0.006	43.82	99.63
PAT 07 - 01	40375	9/6/2007	96.56	54.10	2.76	1.32	0.045	0.084	504	50	0.20	115	199	63	703	55	0.005	43.78	99.70
PAT 07 - 01	40376	9/6/2007	98.43	55.15	1.10	0.52	0.067	0.044	511	51	0.12	94	115	57	471	28	0.006	43.64	99.69
PAT 07 - 01	40377	9/6/2007	98.70	55.30	0.91	0.43	0.038	0.024	499	40	0.08	87	61	55	461	10	0.007	43.69	99.69
PAT 07 - 01	40378	9/6/2007	98.29	55.07	0.92	0.44	0.027	0.020	507	42	0.10	78	62	54	398	11	0.005	43.62	99.40
PAT 07 - 01	40379	9/6/2007	98.27	55.06	1.17	0.56	0.030	0.039	521	46	0.09	80	105	59	1242	26	0.017	43.64	99.65
PAT 07 - 01	40380	9/6/2007	98.22	55.03	1.07	0.51	0.043	0.057	528	49	0.19	101	159	63	1260	38	0.011	43.61	99.68
PAT 07 - 01	40381	9/6/2007	95.91	53.74	1.97	0.94	0.084	0.208	556	42	0.54	123	600	87	6180	144	0.039	43.21	99.53
PAT 07 - 01	40382	9/6/2007	96.03	53.80	2.44	1.17	0.071	0.176	476	42	0.44	100	530	70	1840	124	0.018	43.76	99.75
PAT 07 - 01	40383	9/6/2007	98.00	54.91	1.35	0.65	0.038	0.056	461	42	0.25	74	176	54	982	43	0.006	43.49	99.58
PAT 07 - 01	40384	9/6/2007	98.02	54.92	1.02	0.49	0.057	0.087	478	50	0.33	87	239	56	629	56	0.005	43.54	99.58
PAT 07 - 01	40385	9/6/2007	98.27	55.06	0.74	0.36	0.061	0.134	488	59	0.32	101	400	48	1755	81	0.005	43.35	99.58
PAT 07 - 01	40386	9/6/2007	98.42	55.14	0.82	0.39	0.067	0.078	520	65	0.34	96	218	54	487	43	0.012	43.71	99.89
PAT 07 - 01	40387	9/6/2007	97.89	54.85	0.98	0.47	0.067	0.103	496	63	0.39	103	314	64	2846	65	0.026	43.58	99.87
PAT 07 - 01	40388	9/6/2007	97.99	54.90	1.03	0.49	0.096	0.087	504	59	0.35	93	249	60	1605	62	0.020	43.63	99.84
PAT 07 - 01	40389	9/6/2007	98.31	55.08	1.15	0.55	0.045	0.050	471	51	0.22	68	132	53	249	26	0.005	43.40	99.46
PAT 07 - 01	40390	9/6/2007	98.50	55.19	0.93	0.44	0.054	0.044	479	49	0.22	62	118	57	307	33	0.005	43.38	99.45
PAT 07 - 01	40391	9/6/2007	98.59	55.24	0.82	0.39	0.042	0.053	460	50	0.12	63	125	41	1037	51	0.003	43.63	99.66
PAT 07 - 01	40392	9/6/2007	97.63	54.70	0.94	0.45	0.086	0.218	488	44	0.59	104	658	500	2481	136	0.005	43.38	99.86
PAT 07 - 01	40393	9/6/2007	98.78	55.34	0.69	0.33	0.028	0.054	495	42	0.16	77	149	60	361	32	0.004	43.53	99.57
PAT 07 - 01	40394	9/6/2007	98.63	55.26	0.70	0.33	0.026	0.214	507	49	0.15	81	145	52	688	36	0.002	43.50	99.64
PAT 07 - 01	40395	9/6/2007	98.65	55.27	0.73	0.35	0.034	0.037	480	44	0.10	71	107	46	690	28	0.003	43.62	99.56
PAT 07 - 01	40396	9/6/2007	98.83	55.38	0.67	0.32	0.025	0.031	468	41	0.11	71	78	48	760	21	0.004	43.54	99.56
PAT 07 - 01	40397	9/6/2007	98.92	55.42	0.59	0.28	0.029	0.026	414	35	0.13	53	42	43	1103	19	0.002	43.78	99.84
PAT 07 - 01	40398	9/6/2007	98.73	55.32	0.55	0.26	0.051	0.029	405	36	0.12	49	62	45	3260	25	0.003	43.35	99.52
PAT 07 - 01	40399	9/6/2007	98.87	55.39	0.57	0.27	0.022	0.027	402	38	0.04	53	71	43	2368	28	0.001	43.34	99.40
PAT 07 - 01	40400	9/6/2007	98.98	55.46	0.71	0.34	0.019	0.020	419	43	0.04	61	51	37	538	13	0.002	43.35	99.35
PAT 07 - 01	40401	9/6/2007	98.75	55.33	0.78	0.37	0.024	0.033	496	43	0.08	86	83	63	1445	24	0.005	43.66	99.73
PAT 07 - 01	40402	9/6/2007	98.69	55.30	0.64	0.31	0.040	0.043	471	41	0.06	67	78	53	2435	72	0.005	43.26	99.34
PAT 07 - 01	40403	9/6/2007	98.76	55.33	0.68	0.32	0.039	0.057	483	35	0.17	75	139	67	983	53	0.004	43.14	99.24
PAT 07 - 01	40404	9/6/2007	98.68	55.29	0.64	0.31	0.068	0.080	514	42	0.16	98	242	63	1420	56	0.008	43.18	99.33
PAT 07 - 01	40405	9/6/2007	98.30	55.07	0.61	0.29	0.064	0.103	518	41	0.49	96	313	62	1398	70	0.003	43.00	99.27
PAT 07 - 01	40406	9/6/2007	98.43	55.15	0.71	0.34	0.089	0.099	531	44	0.23	84	260	72	1415	70	0.003	43.50	99.66
PAT 07 - 01	40407	9/6/2007	98.60	55.25	0.90	0.43	0.064	0.029	477	44	0.05	67	63	61	1075	60	0.002	43.08	99.09
PAT 07 - 01	40408	9/6/2007	98.34	55.10	0.63	0.30	0.104	0.058	493	47	0.16	75	163	76	4475	60	0.004	42.78	99.04
PAT 07 - 01	40409	9/6/2007	98.80	55.36	0.54	0.26	0.066	0.082	482	43	0.10	81	113	46	2048	26	0.003	43.57	99.71
PAT 07 - 01	40410	9/6/2007	98.59	55.24	0.66	0.31	0.047	0.056	481	36	0.32	70	130	59	1048	45	0.005	43.57	99.74
PAT 07 - 01	40411	9/6/2007	98.93	55.43	0.62	0.30	0.034	0.036	460	32	0.08	62	77	50	824	37	0.003	43.03	99.06

PAT 07 - 01	40412	9/6/2007	98.68	55.29	0.71	0.34	0.044	0.050	465	31	0.09	55	87	54	2539	44	0.003	43.31	99.45
PAT 07 - 01	40413	9/6/2007	98.74	55.32	0.73	0.35	0.049	0.056	497	32	0.05	65	65	57	1230	57	0.003	43.36	99.39
PAT 07 - 01	40414	9/6/2007	98.53	55.20	0.64	0.31	0.038	0.107	497	36	0.29	84	60	45	949	36	0.002	43.36	99.47
PAT 07 - 01	40415	9/6/2007	98.95	55.44	0.67	0.32	0.050	0.051	468	35	0.05	67	46	68	454	40	0.003	43.50	99.53
PAT 07 - 01	40416	9/6/2007	98.68	55.29	0.66	0.31	0.054	0.043	435	33	0.14	60	63	46	717	71	0.003	43.18	99.16
PAT 07 - 01	40417	9/6/2007	99.01	55.47	0.60	0.29	0.056	0.037	397	33	0.05	56	50	32	738	35	0.002	43.81	99.85
PAT 07 - 01	40418	9/6/2007	97.59	54.68	1.76	0.84	0.076	0.077	359	33	0.14	53	129	69	1017	31	0.001	43.95	99.94
PAT 07 - 01	40419	9/6/2007	98.27	55.06	1.06	0.51	0.066	0.058	363	31	0.12	53	121	57	759	45	0.001	43.42	99.38
PAT 07 - 01	40420	9/6/2007	97.42	54.58	1.97	0.94	0.062	0.063	366	34	0.10	51	71	57	1470	36	0.009	43.46	99.42
PAT 07 - 01	40421	9/6/2007	96.28	53.94	2.28	1.09	0.070	0.067	421	32	0.11	55	176	46	977	46	0.005	43.46	98.91
PAT 07 - 01	40422	9/6/2007	98.25	55.05	0.58	0.28	0.034	0.025	388	28	0.06	46	53	26	1023	25	0.004	43.18	98.80
PAT 07 - 01	40423	9/6/2007	91.53	51.29	7.28	3.48	0.115	0.183	383	33	0.33	73	460	58	2615	139	0.025	43.85	99.65
PAT 07 - 01	40424	9/6/2007	94.94	53.19	3.80	1.82	0.075	0.071	400	32	0.11	50	153	40	988	81	0.010	43.65	99.10

10/Can Geo/Stone

Sample	Sample Date	Sample Time	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total
PAT 07 - 02	40425	9/6/2007	97.20	54.46	1.22	0.58	0.129	0.190	611	34	0.51	88	392	35	683	153	0.013	43.34	99.42
PAT 07 - 02	40426	9/6/2007	96.94	54.31	1.65	0.79	0.142	0.209	574	43	0.60	91	525	131	1127	162	0.028	43.82	100.16
PAT 07 - 02	40427	9/6/2007	96.01	53.79	0.96	0.46	0.266	0.420	451	69	1.09	82	1174	53	1460	309	0.053	43.13	99.57
PAT 07 - 02	40428	9/6/2007	93.91	52.61	1.37	0.65	0.389	0.742	567	72	2.22	96	2354	65	996	578	0.251	42.16	99.50
PAT 07 - 02	40429	9/6/2007	93.74	52.52	1.41	0.67	0.397	0.715	538	83	2.01	84	2141	83	938	543	0.275	42.03	99.06
PAT 07 - 02	40430	9/6/2007	91.21	51.10	1.52	0.73	0.837	1.348	521	110	3.82	140	4608	79	1914	1084	0.739	40.17	99.60
PAT 07 - 02	40431	9/6/2007	94.63	53.02	1.26	0.60	0.406	0.692	511	74	2.16	76	2414	83	1004	498	0.318	41.88	99.54
PAT 07 - 02	40432	9/6/2007	93.61	52.45	4.09	1.95	0.225	0.421	433	55	1.14	93	1222	90	1772	306	0.092	43.13	99.81
PAT 07 - 02	40433	9/6/2007	93.82	52.57	3.80	1.82	0.260	0.422	427	64	1.14	98	1228	102	2813	323	0.104	42.87	99.69
PAT 07 - 02	40434	9/6/2007	97.64	54.71	0.75	0.36	0.164	0.297	456	58	0.56	105	790	42	2061	225	0.027	43.40	99.89
PAT 07 - 02	40435	9/6/2007	98.58	55.23	0.66	0.32	0.068	0.133	425	45	0.06	60	98	63	784	34	0.002	43.70	99.66
PAT 07 - 02	40436	9/6/2007	98.43	55.15	0.77	0.37	0.055	0.070	429	38	0.10	63	159	50	2446	48	0.004	43.59	99.66
PAT 07 - 02	40437	9/6/2007	98.58	55.23	0.78	0.37	0.030	0.054	446	39	0.04	61	79	57	868	27	0.004	43.68	99.58
PAT 07 - 02	40438	9/6/2007	98.45	55.16	0.77	0.37	0.036	0.047	522	48	0.10	83	110	62	3189	37	0.003	43.49	99.60
PAT 07 - 02	40439	9/6/2007	98.36	55.11	0.85	0.40	0.033	0.046	556	54	0.09	84	71	54	1056	38	0.007	43.70	99.58
PAT 07 - 02	40440	9/6/2007	98.39	55.13	0.84	0.40	0.065	0.038	543	58	0.07	74	75	54	3081	28	0.005	43.47	99.57
PAT 07 - 02	40441	9/6/2007	97.41	54.58	1.35	0.65	0.061	0.064	531	51	0.08	93	98	61	7306	46	0.008	43.14	99.40
PAT 07 - 02	40442	9/6/2007	97.60	54.68	1.65	0.79	0.055	0.050	524	48	0.03	77	63	53	2381	44	0.004	43.52	99.45
PAT 07 - 02	40443	9/6/2007	98.75	55.33	0.71	0.34	0.043	0.025	486	47	0.02	58	22	43	963	17	0.001	43.60	99.52
PAT 07 - 02	40444	9/6/2007	98.99	55.46	0.67	0.32	0.032	0.022	481	54	0.02	61	26	42	898	23	0.002	43.57	99.59
PAT 07 - 02	40445	9/6/2007	98.74	55.33	0.69	0.33	0.018	0.018	479	47	0.04	55	12	39	859	23	0.001	43.73	99.61
PAT 07 - 02	40446	9/6/2007	98.64	55.27	0.75	0.36	0.027	0.020	501	52	0.01	70	27	45	625	27	0.002	43.68	99.50
PAT 07 - 02	40447	9/6/2007	98.86	55.39	0.65	0.31	0.033	0.030	477	49	0.04	65	27	35	1032	28	0.002	43.55	99.53
PAT 07 - 02	40448	9/6/2007	98.70	55.30	0.66	0.31	0.059	0.062	471	52	0.01	62	22	46	632	17	0.001	43.60	99.48
PAT 07 - 02	40449	9/6/2007	98.33	55.09	0.67	0.32	0.083	0.083	478	45	0.03	63	45	53	2864	40	0.002	43.34	99.31
PAT 07 - 02	40450	9/6/2007	97.97	54.89	0.77	0.37	0.100	0.057	522	49	0.08	67	92	48	5558	60	0.005	43.09	99.23
PAT 07 - 02	40451	9/6/2007	98.66	55.28	0.77	0.37	0.056	0.055	521	46	0.08	72	79	42	913	31	0.005	43.46	99.47
PAT 07 - 02	40452	9/6/2007	98.90	55.41	0.68	0.33	0.038	0.026	513	50	0.03	69	33	53	525	26	0.002	43.46	99.42
PAT 07 - 02	40453	9/6/2007	92.68	51.92	4.84	2.32	0.171	0.302	457	43	0.60	108	775	66	2236	216	0.024	43.66	99.39
PAT 07 - 02	40454	9/6/2007	98.05	54.94	0.78	0.37	0.042	0.066	514	54	0.28	81	148	67	657	51	0.007	43.63	99.49
PAT 07 - 02	40455	9/6/2007	98.71	55.30	0.62	0.30	0.049	0.147	525	50	0.08	86	112	37	732	47	0.003	43.58	99.62
PAT 07 - 02	40456	9/6/2007	97.74	54.76	0.66	0.32	0.063	0.336	527	51	0.19	89	243	52	1343	72	0.006	43.55	99.47
PAT 07 - 02	40457	9/6/2007	98.13	54.98	0.68	0.32	0.033	0.046	483	41	0.07	68	46	56	1459	25	0.002	43.55	99.22
PAT 07 - 02	40458	9/6/2007	98.64	55.26	0.73	0.35	0.039	0.048	539	45	0.10	98	89	63	1114	32	0.003	43.52	99.52
PAT 07 - 02	40459	9/6/2007	97.77	54.78	0.77	0.37	0.061	0.166	579	42	0.43	143	471	51	1519	116	0.009	43.52	99.63
PAT 07 - 02	40460	9/6/2007	98.44	55.15	0.75	0.36	0.079	0.089	555	48	0.26	131	214	46	1296	62	0.014	43.59	99.78
PAT 07 - 02	40461	9/6/2007	98.76	55.34	0.82	0.39	0.026	0.043	535	54	0.11	91	56	55	705	40	0.008	43.60	99.67
PAT 07 - 02	40462	9/6/2007	98.23	55.04	0.96	0.46	0.050	0.253	541	70	0.11	85	40	87	366	15	0.008	43.59	99.63
PAT 07 - 02	40463	9/6/2007	98.90	55.41	0.75	0.36	0.030	0.027	498	55	0.00	74	<30	36	415	21	0.004	43.60	99.54
PAT 07 - 02	40464	9/6/2007	98.70	55.30	0.84	0.40	0.038	0.019	525	45	0.04	86	<30	43	273	24	0.007	43.57	99.47
PAT 07 - 02	40465	9/6/2007	98.78	55.35	0.83	0.40	0.038	0.020	497	44	0.02	78	<30	112	416	15	0.006	43.55	99.49
PAT 07 - 02	40466	9/6/2007	98.67	55.28	0.78	0.38	0.036	0.020	522	44	0.09	83	24	63	373	14	0.009	43.59	99.51
PAT 07 - 02	40467	9/6/2007	97.55	54.65	1.78	0.85	0.046	0.069	570	46	0.13	100	112	60	725	37	0.010	43.73	99.66
PAT 07 - 02	40468	9/6/2007	98.43	55.15	0.88	0.42	0.046	0.071	512	41	0.15	83	130	48	413	40	0.009	43.64	99.62
PAT 07 - 02	40469	9/6/2007	98.29	55.07	0.95	0.46	0.062	0.082	511	46	0.19	99	189	49	344	58	0.022	43.72	99.74
PAT 07 - 02	40470	9/6/2007	98.40	55.13	0.94	0.45	0.059	0.047	487	45	0.23	80	108	48	199	44	0.016	43.58	99.61
PAT 07 - 02	40471	9/6/2007	98.41	55.14	0.89	0.42	0.040	0.084	507	47	0.27	92	209	60	551	41	0.019	43.78	99.90
PAT 07 - 02	40472	9/6/2007	98.43	55.15	0.84	0.40	0.039	0.048	507	46	0.12	87	104	47	361	40	0.021	43.88	99.77
PAT 07 - 02	40473	9/6/2007	98.90	55.41	0.72	0.34	0.030	0.043	497	46	0.08	95	80	43	254	34	0.008	43.79	99.81
PAT 07 - 02	40474	9/6/2007	98.43	55.15	0.65	0.31	0.024	0.057	523	48	0.15	88	97	49	506	28	0.006	43.63	99.46
PAT 07 - 02	40475	9/6/2007	98.49	55.18	0.80	0.38	0.064	0.080	499	43	0.15	96	197	50	368	61	0.010	43.71	99.71
PAT 07 - 02	40476	9/6/2007	97.57	54.67	1.22	0.58	0.110	0.174	543	43	0.46	111	462	84	854	120	0.027	43.75	100.00
PAT 07 - 02	40477	9/6/2007	98.27	55.06	0.98	0.47	0.042	0.102	530	39	0.09	94	163	52	688	58	0.006	43.64	99.57
PAT 07 - 02	40478	9/6/2007	57.95	32.47	30.40	14.53	1.008	2.264	263	112	6.01	322	6969	256	2479	1551	0.403	41.73	99.61

PAT 07 - 02	40479	9/6/2007	96.48	54.06	2.71	1.29	0.085	0.113	545	47	0.25	125	274	57	887	74	0.009	43.67	99.68
PAT 07 - 02	40480	9/6/2007	98.41	55.14	0.92	0.44	0.067	0.097	515	43	0.13	105	238	50	672	61	0.003	43.38	99.42
PAT 07 - 02	40481	9/6/2007	98.26	55.05	1.12	0.53	0.052	0.060	551	41	0.05	95	122	54	636	39	0.007	43.78	99.69
PAT 07 - 02	40482	9/6/2007	93.65	52.47	5.73	2.74	0.073	0.104	498	42	0.14	96	253	59	1394	80	0.013	44.07	99.86
PAT 07 - 02	40483	9/6/2007	97.82	54.81	1.23	0.59	0.078	0.118	485	35	0.26	68	282	55	2227	65	0.009	43.71	99.89
PAT 07 - 02	40484	9/6/2007	98.66	55.28	0.74	0.35	0.053	0.097	451	33	0.04	53	124	42	1431	39	0.003	43.58	99.62
PAT 07 - 02	40485	9/6/2007	97.98	54.90	1.29	0.62	0.042	0.061	417	31	0.04	51	108	94	2561	41	0.004	43.50	99.49
PAT 07 - 02	40486	9/6/2007	96.66	54.16	2.65	1.27	0.062	0.064	412	34	0.11	55	150	47	1537	41	0.003	43.68	99.58
PAT 07 - 02	40487	9/6/2007	96.51	54.07	2.81	1.34	0.054	0.072	424	35	0.12	57	162	41	977	42	0.005	43.73	99.57
PAT 07 - 02	40488	9/6/2007	97.42	54.58	1.96	0.94	0.071	0.072	439	33	0.04	76	128	45	2281	40	0.005	43.58	99.59
PAT 07 - 02	40489	9/6/2007	94.64	53.03	4.08	1.95	0.095	0.046	402	39	0.03	54	91	50	854	31	0.002	43.72	99.02
PAT 07 - 02	40490	9/6/2007	96.21	53.91	3.33	1.59	0.051	0.052	410	36	0.00	52	82	50	609	19	0.002	43.76	99.48
PAT 07 - 02	40491	9/6/2007	96.31	53.96	3.14	1.50	0.064	0.079	408	32	0.09	56	189	63	720	50	0.006	43.92	99.77
PAT 07 - 02	40492	9/6/2007	97.55	54.66	1.61	0.77	0.075	0.095	429	29	0.16	63	205	45	1919	62	0.012	43.67	99.71
PAT 07 - 02	40493	9/6/2007	95.21	53.35	3.80	1.82	0.093	0.124	457	30	0.17	71	299	51	3054	91	0.022	43.86	99.84
PAT 07 - 02	40494	9/6/2007	98.65	55.27	0.92	0.44	0.033	0.040	378	26	0.04	44	80	54	1308	13	0.003	43.54	99.55
PAT 07 - 02	40495	9/6/2007	87.49	49.02	10.62	5.08	0.162	0.253	377	34	0.45	98	644	84	3435	173	0.043	44.12	99.61
PAT 07 - 02	40496	9/6/2007	96.40	54.01	2.90	1.39	0.071	0.039	326	29	-0.01	50	66	56	1491	19	0.001	43.67	99.37
PAT 07 - 02	40497	9/6/2007	96.19	53.90	3.35	1.60	0.041	0.030	332	28	-0.02	49	50	68	906	19	0.004	43.70	99.39
PAT 07 - 02	40498	9/6/2007	88.29	49.47	10.49	5.01	0.094	0.094	392	32	0.13	69	241	92	2783	90	0.024	44.42	99.61
PAT 07 - 02	40499	9/6/2007	93.76	52.53	3.04	1.45	0.276	0.541	499	34	1.23	105	1451	106	6344	376	0.155	43.00	100.07
PAT 07 - 02	40500	9/6/2007	97.36	54.55	1.86	0.89	0.071	0.069	365	31	0.06	46	121	55	810	31	0.016	43.90	99.70
PAT 07 - 02	40501	9/6/2007	97.21	54.47	1.35	0.65	0.077	0.067	373	32	0.23	42	145	73	897	40	0.023	43.79	99.46
PAT 07 - 02	40502	9/6/2007	95.63	53.58	3.52	1.68	0.083	0.091	404	33	0.15	54	219	72	1955	57	0.020	43.96	99.85
PAT 07 - 02	40503	9/6/2007	84.59	47.39	10.87	5.19	0.469	0.776	372	52	1.62	134	2166	114	2788	551	0.204	43.40	99.68
PAT 07 - 02	40504	9/6/2007	94.44	52.91	4.94	2.36	0.057	0.088	322	34	0.13	52	211	62	1245	61	0.004	43.77	99.53
PAT 07 - 02	40505	9/6/2007	91.03	51.00	7.00	3.35	0.142	0.224	367	38	0.41	70	522	81	1984	135	0.040	44.03	99.51
PAT 07 - 02	40506	9/6/2007	93.86	52.59	4.88	2.33	0.079	0.118	351	34	0.30	50	255	71	1037	57	0.002	43.67	99.28
PAT 07 - 02	40507	9/6/2007	94.99	53.22	4.12	1.97	0.052	0.097	413	30	0.15	55	250	59	1776	69	0.024	44.04	99.82
PAT 07 - 02	40508	9/6/2007	86.56	48.50	6.15	2.94	0.447	0.919	542	59	3.83	146	2902	166	8407	642	0.304	41.56	99.79
PAT 07 - 02	40509	9/6/2007	83.04	46.53	8.10	3.87	0.622	1.076	756	80	5.02	150	3492	146	13627	896	0.466	40.78	100.27
PAT 07 - 02	40510	9/6/2007	77.41	43.37	4.89	2.34	0.851	1.398	1110	114	10.42	551	5238	197	13180	1227	0.623	36.87	98.03
PAT 07 - 02	40511	9/6/2007	84.71	47.46	4.93	2.36	0.619	1.197	851	72	5.97	294	3633	143	16235	933	0.481	40.05	100.36
PAT 07 - 02	40512	9/6/2007	83.35	46.70	5.41	2.58	0.924	1.656	697	80	6.18	272	5402	175	10530	1290	0.774	39.62	100.28
PAT 07 - 02	40513	9/6/2007	93.17	52.20	3.46	1.65	0.184	0.426	660	49	1.90	101	1135	80	4706	243	0.117	42.73	99.90
PAT 07 - 02	40514	9/6/2007	94.00	52.67	3.83	1.83	0.092	0.194	625	40	1.09	89	483	66	5045	121	0.055	43.28	99.86
PAT 07 - 02	40515	9/6/2007	93.17	52.20	4.28	2.05	0.138	0.285	595	44	1.33	81	785	74	3867	192	0.091	43.20	99.86
PAT 07 - 02	40516	9/6/2007	79.31	44.44	9.10	4.35	0.730	1.480	573	84	6.68	233	5273	179	4170	1151	0.518	40.45	99.81
PAT 07 - 02	40517	9/6/2007	94.12	52.73	2.95	1.41	0.114	0.304	645	43	1.59	87	857	75	3919	175	0.078	43.08	99.89
PAT 07 - 02	40518	9/6/2007	92.78	51.98	5.05	2.41	0.065	0.147	495	37	0.84	63	365	78	1572	94	0.040	43.70	99.46
PAT 07 - 02	40519	9/6/2007	93.49	52.38	4.09	1.95	0.094	0.185	597	40	1.30	78	467	51	2411	129	0.034	43.32	99.64
PAT 07 - 02	40520	9/6/2007	88.62	49.65	5.06	2.42	0.478	0.894	677	70	3.65	249	2870	80	3719	711	0.296	41.80	100.02
PAT 07 - 02	40521	9/6/2007	91.64	51.34	6.39	3.06	0.080	0.123	517	45	1.13	54	294	53	3233	90	0.026	43.61	99.80
PAT 07 - 02	40522	9/6/2007	78.96	44.24	10.02	4.79	0.699	1.407	588	96	6.16	191	4530	152	10902	1076	0.519	40.37	99.93
PAT 07 - 02	40523	9/6/2007	65.62	36.77	19.26	9.20	0.888	1.922	442	140	8.80	254	6367	214	10706	1413	0.731	39.46	99.72
PAT 07 - 02	40524	9/6/2007	97.11	54.41	1.59	0.76	0.054	0.072	458	94	0.69	66	192	36	2095	51	0.023	43.40	99.71
PAT 07 - 02	40525	9/6/2007	96.10	53.85	2.80	1.34	0.050	0.083	446	84	0.43	77	213	37	1125	57	0.029	43.65	99.63
PAT 07 - 02	40526	9/6/2007	97.03	54.36	1.83	0.88	0.037	0.055	458	86	0.31	71	125	37	965	48	0.023	43.63	99.47
PAT 07 - 02	40527	9/6/2007	97.01	54.36	1.82	0.87	0.045	0.065	465	94	0.36	72	179	54	3981	41	0.034	43.44	99.66
PAT 07 - 02	40528	9/6/2007	95.52	53.52	2.93	1.40	0.091	0.186	468	60	0.58	81	496	66	3769	120	0.052	43.37	99.70
PAT 07 - 02	40529	9/6/2007	97.68	54.73	1.28	0.61	0.061	0.055	388	60	0.22	61	124	47	1430	44	0.031	43.59	99.51
PAT 07 - 02	40530	9/6/2007	97.40	54.57	1.81	0.87	0.054	0.052	371	60	0.26	62	139	52	629	41	0.028	43.58	99.55
PAT 07 - 02	40531	9/6/2007	93.90	52.61	5.01	2.40	0.102	0.140	378	63	0.56	70	401	58	635	105	0.061	43.67	99.71
PAT 07 - 02	40532	9/6/2007	86.55	48.49	11.71	5.60	0.115	0.234	395	64	0.60	72	672	65	3011	168	0.073	44.16	99.72
PAT 07 - 02	40533	9/6/2007	78.98	44.25	18.12	8.66	0.155	0.365	342	71	1.00	73	1023	77	4451	236	0.109	44.56	99.73
PAT 07 - 02	40534	9/6/2007	74.24	41.59	21.84	10.44	0.219	0.323	342	67	1.94	87	1387	84	5056	320	0.174	44.71	100.33
PAT 07 - 02	40535	9/6/2007	77.17	43.24	19.74	9.44	0.163	0.397	363	64	1.71	103	1115	78	3302	241	0.095	44.51	100.08

PAT 07 - 02	40536	9/6/2007	81.42	45.62	16.60	7.93	0.103	0.269	344	60	0.81	88	789	72	3006	162	0.062	44.64	99.89
PAT 07 - 02	40537	9/6/2007	91.47	51.25	6.20	2.96	0.098	0.274	388	45	0.92	79	775	72	5873	134	0.054	43.35	99.65
PAT 07 - 02	40538	9/6/2007	93.73	52.52	4.74	2.27	0.063	0.102	404	39	0.52	63	279	68	4270	52	0.032	43.59	99.61
PAT 07 - 02	40539	9/6/2007	82.23	46.07	7.23	3.46	0.438	1.100	508	78	5.67	155	3748	140	6651	751	0.334	40.92	99.20
PAT 07 - 02	40540	9/6/2007	93.29	52.27	1.73	0.83	0.190	0.540	552	42	2.70	160	1794	75	1366	344	0.132	42.24	99.33

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Sample	Sample Date	Sample Time	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total
PAT 07 - 03	40541	9/6/2007	85.05	47.65	13.12	6.27	0.135	0.217	368	68	0.89	49	608	52	2445	155	0.011	44.08	99.63
PAT 07 - 03	40542	9/6/2007	78.33	43.88	18.72	8.95	0.132	0.310	346	71	1.86	55	811	67	3693	186	0.029	44.10	99.78
PAT 07 - 03	40543	9/6/2007	93.62	52.45	4.77	2.28	0.058	0.117	306	45	1.06	31	311	44	1687	73	0.008	43.24	99.46
PAT 07 - 03	40544	9/6/2007	88.47	49.57	8.62	4.12	0.124	0.336	366	52	1.65	63	967	70	4472	210	0.034	43.40	99.86
PAT 07 - 03	40545	9/6/2007	82.39	46.16	14.77	7.06	0.104	0.261	333	54	1.88	56	744	63	3365	160	0.047	43.75	99.74
PAT 07 - 03	40546	9/6/2007	81.31	45.56	15.36	7.34	0.187	0.478	361	57	1.53	74	1325	94	7570	316	0.067	43.72	99.86
PAT 07 - 03	40547	9/6/2007	92.50	51.83	5.04	2.41	0.107	0.246	425	40	0.65	54	649	58	11303	166	0.051	43.18	99.74
PAT 07 - 03	40548	9/6/2007	88.73	49.72	6.65	3.18	0.321	0.851	412	53	1.98	99	2003	82	9731	611	0.136	42.44	99.92
PAT 07 - 03	40549	9/6/2007	93.26	52.25	4.71	2.25	0.120	0.316	396	43	0.72	58	867	56	5956	179	0.037	43.37	99.82
PAT 07 - 03	40550	9/6/2007	97.99	54.90	0.85	0.40	0.050	0.126	386	30	0.52	43	333	29	556	77	0.015	43.26	99.42
PAT 07 - 03	40551	9/6/2007	93.84	52.58	2.67	1.28	0.136	0.387	436	44	1.90	78	1028	61	7295	260	0.055	42.61	99.86
PAT 07 - 03	40552	9/6/2007	85.91	48.13	10.85	5.19	0.152	0.425	450	58	1.57	83	963	78	3566	350	0.066	43.77	99.86
PAT 07 - 03	40553	9/6/2007	88.07	49.34	8.17	3.91	0.161	0.386	436	49	2.11	83	1006	78	7388	295	0.078	42.80	99.71
PAT 07 - 03	40554	9/6/2007	93.74	52.52	4.48	2.14	0.069	0.172	451	34	0.36	54	355	41	9146	105	0.030	43.35	99.67
PAT 07 - 03	40555	9/6/2007	94.36	52.87	3.74	1.79	0.085	0.233	443	38	1.07	65	472	44	2769	125	0.028	43.48	99.95
PAT 07 - 03	40556	9/6/2007	94.08	52.71	2.67	1.28	0.180	0.420	456	40	1.61	109	1007	47	6534	315	0.076	42.55	99.67
PAT 07 - 03	40557	9/6/2007	95.07	53.27	2.58	1.23	0.140	0.369	478	38	1.24	124	840	52	2934	231	0.053	43.21	99.98
PAT 07 - 03	40558	9/6/2007	92.49	51.82	3.54	1.69	0.252	0.628	483	44	2.27	205	1612	61	2700	421	0.098	42.60	99.91
PAT 07 - 03	40559	9/6/2007	95.13	53.30	2.23	1.06	0.120	0.243	464	36	1.34	90	601	44	6200	172	0.054	43.00	99.87
PAT 07 - 03	40560	9/6/2007	97.24	54.48	1.73	0.83	0.093	0.092	369	35	0.37	54	245	56	2839	72	0.019	43.53	99.77
PAT 07 - 03	40561	9/6/2007	97.52	54.64	1.24	0.59	0.128	0.121	393	37	0.37	50	250	35	3553	109	0.009	43.24	99.55
PAT 07 - 03	40562	9/6/2007	96.01	53.79	2.63	1.26	0.068	0.079	369	30	0.35	55	214	48	5219	52	0.008	43.39	99.55
PAT 07 - 03	40563	9/6/2007	97.82	54.81	1.37	0.65	0.080	0.106	366	36	0.18	42	131	35	2186	28	0.000	43.37	99.48
PAT 07 - 03	40564	9/6/2007	95.78	53.66	2.92	1.40	0.138	0.107	377	41	0.23	54	243	33	3507	82	0.005	43.31	99.29
PAT 07 - 03	40565	9/6/2007	90.40	50.65	8.37	4.00	0.054	0.068	367	34	0.26	61	176	50	494	22	0.005	44.09	99.25
PAT 07 - 03	40566	9/6/2007	97.86	54.83	1.22	0.58	0.058	0.176	378	33	0.13	53	122	30	3282	37	0.003	43.28	99.45
PAT 07 - 03	40567	9/6/2007	97.42	54.58	1.78	0.85	0.089	0.066	356	33	0.17	44	137	28	2819	44	0.000	43.17	99.28
PAT 07 - 03	40568	9/6/2007	98.58	55.23	0.54	0.26	0.078	0.043	287	36	0.09	34	77	30	2315	16	0.000	42.95	98.93
PAT 07 - 03	40569	9/6/2007	98.07	54.95	0.62	0.29	0.137	0.431	302	54	0.10	33	102	39	3253	51	0.000	42.75	99.04
PAT 07 - 03	40570	9/6/2007	93.28	52.26	4.41	2.11	0.143	0.284	391	41	0.57	77	578	64	10181	137	0.014	43.02	99.55
PAT 07 - 03	40571	9/6/2007	97.09	54.40	1.63	0.78	0.108	0.102	335	37	0.22	43	228	33	3164	82	0.000	42.82	98.82
PAT 07 - 03	40572	9/6/2007	96.68	54.17	1.91	0.91	0.092	0.075	268	36	0.17	34	189	35	3306	68	0.001	42.80	98.62
PAT 07 - 03	40573	9/6/2007	91.13	51.06	6.42	3.07	0.182	0.323	359	46	0.71	68	695	60	2799	253	0.062	43.50	99.33
PAT 07 - 03	40574	9/6/2007	97.14	54.43	1.65	0.79	0.101	0.114	380	42	0.23	45	245	29	1716	93	0.010	43.08	99.00
PAT 07 - 03	40575	9/6/2007	95.36	53.43	2.48	1.18	0.096	0.151	363	41	0.31	50	317	35	3099	125	0.003	42.84	98.41
PAT 07 - 03	40576	9/6/2007	86.53	48.48	7.84	3.75	0.401	1.102	403	69	2.36	234	2154	192	3635	787	0.202	42.99	100.04
PAT 07 - 03	40577	9/6/2007	94.54	52.97	4.59	2.19	0.079	0.120	472	53	0.31	81	213	47	1387	55	0.011	44.13	100.04
PAT 07 - 03	40578	9/6/2007	94.29	52.83	4.25	2.03	0.099	0.232	432	51	0.47	169	459	56	1887	142	0.025	43.91	99.92
PAT 07 - 03	40579	9/6/2007	92.21	51.67	6.25	2.99	0.100	0.159	395	49	0.49	114	399	79	1164	115	0.030	44.05	99.71
PAT 07 - 03	40580	9/6/2007	93.28	52.26	5.30	2.53	0.109	0.133	385	56	0.31	104	287	51	1079	68	0.021	44.15	99.72
PAT 07 - 03	40581	9/6/2007	94.25	52.81	4.24	2.03	0.097	0.126	422	66	0.27	110	265	59	1446	83	0.012	43.98	99.56
PAT 07 - 03	40582	9/6/2007	91.49	51.26	6.15	2.94	0.145	0.359	441	90	0.58	138	614	61	1253	201	0.038	44.03	99.63
PAT 07 - 03	40583	9/6/2007	91.49	51.26	6.52	3.12	0.117	0.175	390	69	0.33	103	413	67	1079	130	0.024	44.01	99.26
PAT 07 - 03	40584	9/6/2007	90.32	50.60	7.22	3.45	0.180	0.499	438	90	1.06	156	1126	74	1510	348	0.119	43.51	99.80
PAT 07 - 03	40585	9/6/2007	95.78	53.67	2.27	1.08	0.121	0.256	540	128	0.55	132	561	35	1467	173	0.078	43.57	99.63
PAT 07 - 03	40586	9/6/2007	94.06	52.70	4.27	2.04	0.127	0.258	501	85	0.50	139	508	33	1224	191	0.028	43.82	99.74
PAT 07 - 03	40587	9/6/2007	90.64	50.79	6.59	3.15	0.211	0.511	522	133	1.02	190	977	56	1722	409	0.039	43.50	99.62
PAT 07 - 03	40588	9/6/2007	86.65	48.55	6.65	3.18	0.530	1.184	597	168	2.74	649	2417	149	4517	911	0.196	41.99	99.30
PAT 07 - 03	40589	9/6/2007	62.61	35.08	11.88	5.68	1.847	3.095	505	249	13.12	1579	7533	378	6111	2836	1.580	34.26	96.58
PAT 07 - 03	40590	9/6/2007	85.02	47.63	6.86	3.28	0.498	1.133	664	153	3.94	646	2615	155	3226	859	0.386	41.58	99.29
PAT 07 - 03	40591	9/6/2007	87.36	48.95	5.64	2.70	0.478	1.644	682	165	3.55	712	2179	123	7075	779	0.347	41.46	100.29
PAT 07 - 03	40592	9/6/2007	58.95	33.03	4.84	2.32	2.442	3.325	635	298	17.65	2041	10477	488	15444	3780	1.960	29.17	93.21
PAT 07 - 03	40593	9/6/2007	56.34	31.57	4.53	2.17	2.696	3.106	612	371	18.32	1794	12170	568	20067	4322	1.890	27.80	91.54

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Sample	Sample Date	Sample Time	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total
PAT 07 - 04	40594	9/12/2007	93.10	52.16	6.07	2.90	0.054	0.102	392	60	0.27	70	167	33	1795	99	0.000	43.73	99.48
PAT 07 - 04	40595	9/12/2007	85.44	47.87	13.73	6.56	0.054	0.057	390	35	0.18	58	115	54	1013	57	0.000	44.26	99.16
PAT 07 - 04	40596	9/12/2007	89.63	50.22	9.27	4.43	0.077	0.041	472	40	0.11	77	52	53	1005	41	0.008	44.47	99.53
PAT 07 - 04	40597	9/12/2007	97.79	54.79	0.87	0.41	0.133	0.220	397	57	0.49	82	470	42	1745	173	0.002	43.32	99.67
PAT 07 - 04	40598	9/12/2007	96.64	54.15	1.07	0.51	0.182	0.365	504	84	0.86	112	816	73	4152	245	0.017	43.41	100.09
PAT 07 - 04	40599	9/12/2007	97.42	54.58	0.72	0.34	0.195	0.329	403	80	0.73	87	620	49	3116	248	0.000	42.96	99.60
PAT 07 - 04	40600	9/12/2007	97.88	54.84	0.53	0.25	0.076	0.021	304	48	0.16	51	45	28	560	37	0.015	43.81	99.29
PAT 07 - 04	40601	9/12/2007	98.75	55.33	0.56	0.27	0.111	0.076	347	59	0.20	62	138	33	863	84	0.001	43.71	99.85
PAT 07 - 04	40602	9/12/2007	97.91	54.86	0.57	0.27	0.057	0.127	359	47	0.38	57	223	35	1013	86	0.000	43.41	99.28
PAT 07 - 04	40603	9/12/2007	98.81	55.36	0.62	0.29	0.048	0.063	419	47	0.18	63	114	31	820	20	0.000	43.56	99.66
PAT 07 - 04	40604	9/12/2007	94.81	53.12	2.00	0.95	0.255	0.697	490	73	1.47	115	1836	62	2316	440	0.007	43.09	100.13
PAT 07 - 04	40605	9/12/2007	97.74	54.76	0.69	0.33	0.115	0.270	495	49	0.60	85	571	45	3162	216	0.000	43.10	99.64
PAT 07 - 04	40606	9/12/2007	99.04	55.49	0.53	0.26	0.029	0.030	456	36	0.14	49	53	37	507	17	0.000	43.40	99.46
PAT 07 - 04	40607	9/12/2007	98.58	55.24	0.80	0.38	0.042	0.043	493	36	0.17	66	102	28	937	42	0.000	43.48	99.53
PAT 07 - 04	40608	9/12/2007	93.29	52.27	2.94	1.41	0.173	0.405	616	69	2.51	150	1032	70	2103	244	0.023	43.04	100.26
PAT 07 - 04	40609	9/12/2007	98.30	55.07	0.64	0.30	0.059	0.061	328	29	0.42	44	106	56	1329	27	0.000	43.39	99.50
PAT 07 - 04	40610	9/12/2007	98.88	55.40	0.55	0.26	0.042	0.061	306	28	0.15	46	54	29	872	40	0.000	43.71	99.76
PAT 07 - 04	40611	9/12/2007	98.83	55.37	0.61	0.29	0.059	0.053	460	36	0.15	53	97	26	1030	53	0.000	43.57	99.67
PAT 07 - 04	40612	9/12/2007	98.36	55.11	0.63	0.30	0.089	0.170	342	30	0.39	59	274	41	1014	117	0.000	43.50	99.74
PAT 07 - 04	40613	9/12/2007	98.22	55.03	0.56	0.27	0.066	0.047	302	32	0.28	49	97	40	1536	44	0.000	43.50	99.39
PAT 07 - 04	40614	9/12/2007	98.82	55.37	0.55	0.26	0.086	0.052	303	32	0.12	47	86	26	1254	57	0.001	43.55	99.62
PAT 07 - 04	40615	9/12/2007	98.80	55.36	0.57	0.27	0.085	0.083	341	35	0.19	46	135	41	719	50	0.002	43.47	99.59
PAT 07 - 04	40616	9/12/2007	98.91	55.42	0.58	0.28	0.084	0.078	427	35	0.11	48	85	36	720	44	0.001	43.62	99.72
PAT 07 - 04	40617	9/12/2007	88.91	49.82	8.60	4.11	0.238	0.620	142	100	1.25	45	850	81	1150	399	0.001	43.44	99.75
PAT 07 - 04	40618	9/12/2007	93.81	52.56	1.99	0.95	0.371	1.036	180	80	2.03	86	1699	54	3388	669	0.000	42.35	99.92
PAT 07 - 04	40619	9/12/2007	98.16	55.00	0.59	0.28	0.128	0.125	327	33	0.22	43	176	37	3936	72	0.000	43.51	99.73
PAT 07 - 04	40620	9/12/2007	98.79	55.35	0.55	0.26	0.041	0.051	350	33	0.11	47	99	33	2279	50	0.001	43.47	99.57
PAT 07 - 04	40621	9/12/2007	98.80	55.36	0.50	0.24	0.026	0.033	343	38	0.09	42	66	25	3146	63	0.000	43.39	99.50
PAT 07 - 04	40622	9/12/2007	98.93	55.43	0.55	0.26	0.036	0.038	364	52	0.11	45	91	35	1846	34	0.001	43.51	99.63
PAT 07 - 04	40623	9/12/2007	99.08	55.52	0.49	0.23	0.046	0.028	316	57	0.06	44	59	41	1151	36	0.001	43.57	99.63
PAT 07 - 04	40624	9/12/2007	98.92	55.42	0.54	0.26	0.042	0.055	349	65	0.14	50	141	30	1261	50	0.000	43.49	99.60
PAT 07 - 04	40625	9/12/2007	98.33	55.09	0.58	0.28	0.045	0.052	353	87	0.13	49	119	54	1045	52	0.001	43.37	99.14
PAT 07 - 04	40626	9/12/2007	97.33	54.53	1.14	0.55	0.057	0.110	552	102	0.39	100	228	190	1613	93	0.003	43.50	99.43
PAT 07 - 04	40627	9/12/2007	97.50	54.63	1.29	0.62	0.115	0.181	568	105	0.51	49	51	28	1533	135	0.000	43.17	99.47
PAT 07 - 04	40628	9/12/2007	96.22	53.91	2.35	1.12	0.056	0.083	453	43	0.26	57	184	51	905	56	0.001	43.63	99.24
PAT 07 - 04	40629	9/12/2007	98.12	54.97	1.24	0.59	0.047	0.082	448	55	0.22	61	220	53	810	62	0.001	43.46	99.55
PAT 07 - 04	40630	9/12/2007	97.89	54.84	0.97	0.46	0.084	0.176	400	62	0.49	63	489	35	1657	110	0.001	43.23	99.57
PAT 07 - 04	40631	9/12/2007	98.33	55.09	0.68	0.33	0.090	0.152	414	40	0.34	57	408	39	1362	120	0.005	43.34	99.59
PAT 07 - 04	40632	9/12/2007	98.49	55.18	0.70	0.34	0.076	0.085	432	47	0.32	30	165	56	1148	49	0.002	43.46	99.66
PAT 07 - 04	40633	9/12/2007	98.51	55.19	0.61	0.29	0.085	0.062	372	36	0.23	38	140	35	1156	61	0.001	43.38	99.43
PAT 07 - 04	40634	9/12/2007	98.44	55.15	0.66	0.31	0.102	0.106	298	36	0.30	37	285	45	1371	91	0.002	43.37	99.57
PAT 07 - 04	40635	9/12/2007	97.85	54.82	0.59	0.28	0.073	0.098	291	38	0.38	35	144	64	1067	53	0.002	43.32	99.15
PAT 07 - 04	40636	9/12/2007	98.50	55.19	0.53	0.25	0.074	0.054	305	35	0.13	33	77	36	917	74	0.001	43.36	99.21
PAT 07 - 04	40637	9/12/2007	97.81	54.80	0.62	0.30	0.060	0.054	309	31	0.34	31	158	34	1920	53	0.003	43.42	99.23
PAT 07 - 04	40638	9/12/2007	98.69	55.30	0.59	0.28	0.059	0.050	340	29	0.34	35	121	68	771	22	0.002	43.41	99.58
PAT 07 - 04	40639	9/12/2007	98.24	55.04	0.61	0.29	0.064	0.062	340	30	0.57	35	135	66	743	23	0.002	43.21	99.37
PAT 07 - 04	40640	9/12/2007	98.04	54.93	0.81	0.39	0.103	0.131	323	40	0.31	44	362	42	3452	98	0.005	43.14	99.45
PAT 07 - 04	40641	9/12/2007	79.22	44.39	14.06	6.72	0.569	1.248	530	99	3.18	164	3117	117	10715	892	0.271	42.13	100.08
PAT 07 - 04	40642	9/12/2007	85.44	47.87	9.68	4.63	0.332	0.693	450	83	2.78	88	1915	95	5749	516	0.131	42.49	99.81
PAT 07 - 04	40643	9/12/2007	63.96	35.84	22.09	10.56	0.931	2.164	403	153	7.78	184	6235	225	7905	1497	0.470	40.15	99.55
PAT 07 - 04	40644	9/12/2007	92.97	52.09	4.81	2.30	0.167	0.383	324	59	1.13	65	1023	52	2136	236	0.026	43.31	99.79
PAT 07 - 04	40645	9/12/2007	79.79	44.71	18.29	8.74	0.176	0.341	395	77	0.82	78	1002	62	2179	240	0.062	44.66	99.91
PAT 07 - 04	40646	9/12/2007	80.34	45.01	16.70	7.98	0.196	0.478	393	80	1.50	78	1428	136	4482	309	0.051	44.12	100.03
PAT 07 - 04	40647	9/12/2007	85.00	47.63	8.81	4.21	0.399	1.128	394	82	3.36	123	3200	127	6645	735	0.132	41.90	99.89

PAT 07 - 04	40648	9/12/2007	93.74	52.52	1.73	0.83	0.372	0.970	613	63	2.03	128	2437	91	6522	640	0.018	42.17	99.95
PAT 07 - 04	40649	9/12/2007	91.00	50.99	7.47	3.57	0.098	0.229	422	42	0.58	100	617	54	2516	127	0.017	43.81	99.67
PAT 07 - 04	40650	9/12/2007	94.37	52.87	4.25	2.03	0.099	0.212	406	40	0.61	82	587	85	1700	142	0.016	43.60	99.75
PAT 07 - 04	40651	9/12/2007	88.18	49.41	6.91	3.30	0.233	0.796	450	59	2.74	126	2026	89	5812	414	0.119	42.45	99.95
PAT 07 - 04	40652	9/12/2007	93.25	52.25	3.00	1.43	0.212	0.617	466	48	2.40	127	1811	98	1145	395	0.075	42.49	99.89
PAT 07 - 04	40653	9/12/2007	95.98	53.78	2.04	0.97	0.137	0.198	546	46	0.76	131	562	68	879	119	0.044	43.48	99.61
PAT 07 - 04	40654	9/12/2007	72.25	40.48	16.58	7.92	0.478	1.259	555	175	6.65	165	3785	161	11378	715	0.304	40.61	99.41
PAT 07 - 04	40655	9/12/2007	93.45	52.36	3.03	1.45	0.109	0.205	614	50	2.53	130	580	47	2186	147	0.044	42.63	99.70
PAT 07 - 04	40656	9/12/2007	70.39	39.44	13.21	6.31	0.623	1.559	465	229	10.48	414	5677	197	965	1102	0.430	38.32	98.08
PAT 07 - 04	40657	9/12/2007	83.87	46.99	8.90	4.25	0.376	0.959	550	130	5.13	159	3413	280	1267	643	0.273	41.52	100.15
PAT 07 - 04	40658	9/12/2007	86.61	48.53	11.17	5.34	0.151	0.285	399	111	1.21	100	917	87	1057	193	0.089	43.92	99.81
PAT 07 - 04	40659	9/12/2007	92.27	51.70	5.52	2.64	0.113	0.219	421	98	1.47	87	739	57	722	197	0.078	43.37	99.82
PAT 07 - 04	40660	9/12/2007	88.46	49.56	7.30	3.49	0.305	0.654	430	108	2.53	119	2340	99	1509	449	0.223	42.68	99.95
PAT 07 - 04	40661	9/12/2007	94.22	52.79	3.47	1.66	0.157	0.297	428	90	1.40	101	1133	66	1167	203	0.109	43.13	99.86
PAT 07 - 04	40662	9/12/2007	96.46	54.05	1.50	0.72	0.157	0.243	438	84	1.08	85	1003	69	1452	173	0.094	43.12	99.79
PAT 07 - 04	40663	9/12/2007	97.37	54.55	1.44	0.69	0.071	0.097	390	73	0.60	57	260	57	1822	77	0.044	43.65	99.98
PAT 07 - 04	40664	9/12/2007	83.58	46.83	14.43	6.90	0.078	0.142	410	109	0.48	82	401	60	1090	131	0.063	45.41	100.13
PAT 07 - 04	40665	9/12/2007	83.70	46.90	13.60	6.50	0.185	0.275	367	114	1.07	77	818	86	876	185	0.104	44.62	99.91
PAT 07 - 04	40666	9/12/2007	72.01	40.35	23.45	11.21	0.319	0.654	364	164	2.67	116	2239	142	1781	624	0.237	44.13	100.11
PAT 07 - 04	40667	9/12/2007	90.95	50.96	5.97	2.85	0.227	0.369	442	109	1.88	93	1128	91	2248	432	0.157	43.25	100.16
PAT 07 - 04	40668	9/12/2007	95.47	53.49	2.51	1.20	0.119	0.196	485	93	1.18	95	569	84	1712	213	0.085	43.26	99.86

PAT 07 - 05	40780	9/12/2007	57.63	32.29	32.50	15.53	0.677	1.381	378	212	5.39	164	3561	275	467	1130	0.407	42.44	98.73
PAT 07 - 05	40781	9/12/2007	57.24	32.07	34.05	16.28	0.512	1.065	364	275	5.19	124	2312	208	775	578	0.256	42.82	98.65
PAT 07 - 05	40782	9/12/2007	50.43	28.25	28.57	13.66	1.264	2.921	370	264	11.03	360	9684	334	1033	2020	0.994	37.73	97.26
PAT 07 - 05	40783	9/12/2007	57.54	32.24	33.62	16.07	0.569	1.195	371	146	4.31	139	3292	159	997	1063	0.046	43.70	98.74
PAT 07 - 05	40784	9/12/2007	88.01	49.31	11.37	5.44	0.050	0.059	354	56	0.15	27	117	24	1108	106	0.000	44.15	99.33
PAT 07 - 05	40785	9/12/2007	93.88	52.60	5.19	2.48	0.058	0.091	343	64	0.21	33	245	34	1503	270	0.001	43.51	99.21
PAT 07 - 05	40786	9/12/2007	95.86	53.71	2.97	1.42	0.089	0.192	386	72	0.50	39	278	33	1288	325	0.007	43.21	99.37
PAT 07 - 05	40787	9/12/2007	90.57	50.74	7.08	3.38	0.278	0.428	351	67	1.24	60	794	32	1163	620	0.179	43.10	99.66
PAT 07 - 05	40788	9/12/2007	86.35	48.38	12.86	6.15	0.092	0.145	320	77	0.29	38	73	30	644	325	0.000	44.00	99.20
PAT 07 - 05	40789	9/12/2007	92.29	51.71	6.48	3.10	0.078	0.209	351	77	0.64	34	51	<20	702	251	0.001	43.24	99.13
PAT 07 - 05	40790	9/12/2007	90.45	50.68	8.53	4.08	0.113	0.147	385	52	0.38	47	277	26	1082	265	0.007	43.67	99.28
PAT 07 - 05	40791	9/12/2007	95.59	53.56	1.43	0.68	0.257	0.425	588	76	1.39	66	1285	34	807	367	0.184	42.67	99.48
PAT 07 - 05	40792	9/12/2007	90.73	50.84	4.68	2.24	0.711	0.928	543	124	2.01	88	2911	57	1043	608	0.343	42.32	99.93
PAT 07 - 05	40793	9/12/2007	95.74	53.64	2.17	1.04	0.131	0.242	402	59	0.55	53	587	26	1802	132	0.004	43.14	99.05
PAT 07 - 05	40794	9/12/2007	96.13	53.86	1.91	0.91	0.101	0.396	334	50	0.83	56	1230	38	3173	228	0.002	43.05	99.66
PAT 07 - 05	40795	9/12/2007	96.42	54.02	2.31	1.10	0.065	0.180	341	41	0.43	39	552	41	1732	116	0.002	43.37	99.46
PAT 07 - 05	40796	9/12/2007	95.87	53.71	2.91	1.39	0.046	0.048	362	40	0.09	35	130	29	1097	58	0.000	43.65	99.11
PAT 07 - 05	40797	9/12/2007	96.26	53.93	3.11	1.49	0.079	0.051	346	47	0.14	33	137	53	1089	25	0.001	43.68	99.54
PAT 07 - 05	40798	9/12/2007	98.95	55.44	0.60	0.28	0.050	0.049	310	39	0.07	26	78	29	811	70	0.002	43.61	99.65
PAT 07 - 05	40799	9/12/2007	98.43	55.15	0.56	0.27	0.029	0.046	290	36	0.44	23	81	46	850	9	0.000	43.38	99.45
PAT 07 - 05	40800	9/12/2007	98.09	54.96	0.69	0.33	0.057	0.056	309	39	0.29	28	109	30	2028	33	0.000	43.30	99.25
PAT 07 - 05	40801	9/12/2007	99.04	55.49	0.57	0.27	0.051	0.021	318	42	0.06	29	53	24	944	22	0.000	43.12	99.16
PAT 07 - 05	40802	9/12/2007	97.36	54.55	1.20	0.57	0.069	0.081	368	41	0.41	36	188	28	1183	64	0.001	43.33	99.21
PAT 07 - 05	40803	9/12/2007	74.07	41.50	20.25	9.68	0.471	1.000	443	100	2.50	90	2387	148	10946	689	0.322	43.24	100.19
PAT 07 - 05	40804	9/12/2007	72.18	40.44	18.29	8.74	0.672	1.217	409	142	5.13	115	3446	135	5777	853	0.461	41.59	99.35
PAT 07 - 05	40805	9/12/2007	84.90	47.57	12.41	5.93	0.170	0.235	381	58	1.23	40	612	41	3312	185	0.057	43.84	99.49
PAT 07 - 05	40806	9/12/2007	78.61	44.05	17.16	8.20	0.312	0.605	392	79	1.71	61	1403	62	4413	438	0.182	43.69	99.43
PAT 07 - 05	40807	9/12/2007	90.78	50.86	7.01	3.35	0.107	0.175	426	48	1.33	42	434	38	1572	114	0.051	43.39	99.53
PAT 07 - 05	40808	9/12/2007	85.55	47.93	12.30	5.88	0.140	0.284	363	55	0.95	56	500	47	1553	162	0.068	44.14	99.67
PAT 07 - 05	40809	9/12/2007	86.61	48.53	11.22	5.36	0.204	0.293	376	57	0.68	64	743	44	2344	259	0.088	43.90	99.44
PAT 07 - 05	40810	9/12/2007	95.43	53.47	3.31	1.58	0.064	0.095	375	42	0.28	50	109	30	713	65	0.021	43.78	99.43
PAT 07 - 05	40811	9/12/2007	93.20	52.22	5.43	2.60	0.073	0.085	381	44	0.31	38	104	24	699	72	0.025	44.02	99.46

PAT 07 - 06	40923	9/18/2007	85.75	48.05	13.02	6.23	0.107	0.165	559	46	0.46	52	374	59	1000	99	0.033	44.29	99.54
PAT 07 - 06	40924	9/18/2007	97.55	54.66	1.79	0.85	0.060	0.070	1013	37	0.16	59	177	41	647	62	0.024	43.73	99.76
PAT 07 - 06	40925	9/18/2007	93.52	52.40	5.31	2.54	0.098	0.133	1050	30	0.45	67	257	63	1104	57	0.042	43.88	99.80
PAT 07 - 06	40926	9/18/2007	90.65	50.79	8.50	4.06	0.087	0.077	644	34	0.20	59	202	46	1980	87	0.023	43.97	99.52
PAT 07 - 06	40927	9/18/2007	97.96	54.88	1.23	0.59	0.062	0.083	388	49	0.19	48	254	38	1685	129	0.002	43.17	99.24
PAT 07 - 06	40928	9/18/2007	65.43	36.66	28.02	13.39	0.544	1.127	399	144	2.90	148	3243	199	13665	778	0.285	42.74	99.50
PAT 07 - 06	40929	9/18/2007	95.96	53.77	1.00	0.48	0.272	0.348	500	44	1.06	74	946	93	1107	285	0.096	43.01	99.34
PAT 07 - 06	40930	9/18/2007	93.82	52.57	4.41	2.11	0.142	0.214	441	30	0.78	63	578	86	529	160	0.001	43.26	99.26
PAT 07 - 06	40931	9/18/2007	97.21	54.47	0.75	0.36	0.190	0.170	385	40	0.41	56	537	35	602	190	0.001	43.11	98.90
PAT 07 - 06	40932	9/18/2007	95.67	53.60	0.78	0.37	0.476	0.713	318	58	1.57	85	2268	76	2072	675	0.134	42.49	99.91
PAT 07 - 06	40933	9/18/2007	95.40	53.45	0.87	0.41	0.243	1.002	387	80	1.65	83	1721	69	2266	412	0.049	42.59	99.90
PAT 07 - 06	40934	9/18/2007	97.32	54.52	0.81	0.39	0.070	0.304	371	54	0.99	53	608	47	2476	136	0.000	42.49	99.15
PAT 07 - 06	40935	9/18/2007	96.50	54.07	0.80	0.38	0.081	0.613	364	61	0.85	69	1200	64	5729	210	0.000	42.59	99.36
PAT 07 - 06	40936	9/18/2007	98.41	55.14	0.65	0.31	0.071	0.158	360	54	0.38	49	407	47	1216	104	0.000	42.90	99.19
PAT 07 - 06	40937	9/18/2007	97.65	54.71	0.70	0.34	0.074	0.281	341	49	0.42	44	550	50	3925	121	0.000	42.74	99.07
PAT 07 - 06	40938	9/18/2007	97.86	54.83	0.63	0.30	0.091	0.110	348	46	0.77	41	283	76	2441	83	0.000	43.45	99.89
PAT 07 - 06	40939	9/18/2007	97.22	54.47	0.70	0.34	0.173	0.652	360	67	0.72	62	620	58	2311	230	0.001	43.22	99.95
PAT 07 - 06	40940	9/18/2007	99.02	55.48	0.50	0.24	0.056	0.031	434	63	0.09	11	58	30	148	24	0.000	43.48	99.45
PAT 07 - 06	40941	9/18/2007	98.88	55.40	0.57	0.27	0.040	0.018	340	37	0.03	35	56	39	321	30	0.000	43.41	99.26
PAT 07 - 06	40942	9/18/2007	99.06	55.50	0.56	0.27	0.040	0.021	360	38	0.04	39	51	41	464	18	0.000	43.37	99.34
PAT 07 - 06	40943	9/18/2007	98.72	55.31	0.59	0.28	0.046	0.228	347	46	0.13	42	78	43	636	26	0.000	43.34	99.46
PAT 07 - 06	40944	9/18/2007	97.88	54.84	0.59	0.28	0.114	0.219	314	44	0.51	51	444	36	1768	147	0.000	43.07	99.32
PAT 07 - 06	40945	9/18/2007	98.57	55.23	0.58	0.28	0.040	0.033	341	36	0.50	39	99	86	375	20	0.000	43.33	99.51
PAT 07 - 06	40946	9/18/2007	98.80	55.36	0.59	0.28	0.026	0.059	363	37	0.12	41	68	42	686	12	0.001	43.21	99.18

PAT 07 - 07	41001	9/21/2007	98.72	55.31	0.65	0.31	0.062	0.058	517	51	0.15	78	154	31	1254	38	0.000	43.41	99.52
PAT 07 - 07	41002	9/21/2007	98.65	55.27	0.77	0.37	0.077	0.059	631	58	0.12	76	116	26	906	59	0.001	43.35	99.44
PAT 07 - 07	41003	9/21/2007	99.01	55.47	0.64	0.30	0.038	0.016	503	60	0.02	73	53	26	441	17	0.000	43.46	99.42
PAT 07 - 07	41004	9/21/2007	98.79	55.35	0.78	0.37	0.048	0.029	538	48	0.08	89	92	28	613	34	0.000	43.38	99.40
PAT 07 - 07	41005	9/21/2007	98.70	55.30	0.66	0.32	0.104	0.058	482	38	0.15	63	183	51	462	39	0.001	43.40	99.46
PAT 07 - 07	41006	9/21/2007	91.46	51.24	5.63	2.69	0.189	0.205	427	49	1.01	69	512	54	828	136	0.071	43.69	99.31
PAT 07 - 07	41007	9/21/2007	72.99	40.89	15.78	7.54	0.860	1.809	429	107	6.80	168	5082	161	1645	1161	0.608	40.53	99.92
PAT 07 - 07	41008	9/21/2007	96.42	54.02	2.20	1.05	0.163	0.162	531	40	0.68	58	378	65	751	95	0.022	43.97	100.27
PAT 07 - 07	41009	9/21/2007	91.80	51.44	6.72	3.21	0.078	0.112	458	32	0.27	51	281	62	1820	67	0.018	44.01	99.42
PAT 07 - 07	41010	9/21/2007	96.97	54.33	2.42	1.16	0.039	0.214	437	30	0.09	45	115	121	831	24	0.006	43.48	99.47
PAT 07 - 07	41011	9/21/2007	97.30	54.52	1.63	0.78	0.080	0.117	497	30	0.44	48	288	62	1430	70	0.030	43.49	99.70
PAT 07 - 07	41012	9/21/2007	93.06	52.14	5.72	2.73	0.074	0.086	485	37	0.59	50	254	69	2540	55	0.017	43.75	99.74
PAT 07 - 07	41013	9/21/2007	85.86	48.11	9.92	4.74	0.331	0.670	541	55	2.16	100	1833	82	1332	427	0.265	43.03	99.74
PAT 07 - 07	41014	9/21/2007	83.90	47.01	10.59	5.06	0.490	0.952	598	70	3.26	103	1443	73	2721	669	0.323	42.25	99.91
PAT 07 - 07	41015	9/21/2007	89.62	50.21	8.50	4.06	0.170	0.309	554	43	0.89	77	627	47	1863	221	0.078	43.65	99.71
PAT 07 - 07	41016	9/21/2007	80.85	45.30	11.90	5.69	0.574	1.164	662	77	3.93	154	2406	74	10350	826	0.373	41.24	99.72
PAT 07 - 07	41017	9/21/2007	88.06	49.34	5.80	2.77	0.435	0.877	687	70	3.78	126	2262	70	5267	598	0.350	41.45	99.91
PAT 07 - 07	41018	9/21/2007	81.84	45.85	6.02	2.88	0.898	1.828	772	142	6.86	233	4877	106	8464	1288	0.684	39.00	99.59
PAT 07 - 07	41019	9/21/2007	80.05	44.85	4.71	2.25	0.775	1.501	809	200	9.93	228	4490	114	7565	1002	0.564	37.17	98.48
PAT 07 - 07	41020	9/21/2007	81.01	45.39	5.47	2.61	0.868	1.639	759	167	9.52	238	3485	94	6102	1197	0.618	37.88	99.74
PAT 07 - 07	41021	9/21/2007	76.98	43.13	21.21	10.14	0.096	0.185	366	46	0.99	55	484	42	2760	136	0.042	45.00	99.97
PAT 07 - 07	41022	9/21/2007	81.93	45.91	11.11	5.31	0.389	0.850	472	85	4.14	104	2391	97	5739	535	0.301	41.49	99.32
PAT 07 - 07	41023	9/21/2007	80.64	45.18	12.49	5.97	0.471	1.009	455	101	4.00	100	2165	95	8714	683	0.319	41.38	99.56
PAT 07 - 07	41024	9/21/2007	78.73	44.11	14.22	6.80	0.503	1.108	459	104	4.43	113	2382	86	4562	738	0.327	41.81	99.94
PAT 07 - 07	41025	9/21/2007	90.20	50.54	6.33	3.03	0.242	0.514	436	76	2.02	55	584	39	3621	346	0.119	42.52	99.49
PAT 07 - 07	41026	9/21/2007	96.41	54.01	2.97	1.42	0.065	0.059	359	38	0.17	39	139	29	1340	78	0.001	43.51	99.44
PAT 07 - 07	41027	9/21/2007	87.61	49.09	5.88	2.81	0.318	0.909	675	70	3.94	117	2465	108	3690	537	0.243	41.73	99.80
PAT 07 - 07	41028	9/21/2007	73.99	41.45	9.40	4.49	0.767	1.384	690	400	10.09	631	3985	161	5741	842	0.423	37.57	97.43
PAT 07 - 07	41029	9/21/2007	84.22	47.19	10.40	4.97	0.253	0.675	502	118	3.59	168	1856	78	1793	422	0.181	42.48	99.83
PAT 07 - 07	41030	9/21/2007	78.88	44.19	15.87	7.58	0.382	0.872	489	167	3.24	200	2608	107	1294	589	0.285	42.84	99.95
PAT 07 - 07	41031	9/21/2007	96.85	54.26	2.31	1.10	0.078	0.082	408	66	0.37	47	111	34	415	71	0.003	43.53	99.55

10/Can Geo/Stone

Sample	Sample Date	Sample Time	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total
PAT 07 - 08	41032	9/25/2007	97.93	54.87	0.75	0.36	0.124	0.169	640	34	0.37	68	410	46	3248	116	0.004	43.37	99.72
PAT 07 - 08	41033	9/25/2007	97.42	54.58	0.89	0.42	0.080	0.295	713	31	0.64	75	709	60	3372	207	0.005	43.20	99.74
PAT 07 - 08	41034	9/25/2007	97.86	54.83	0.73	0.35	0.056	0.149	781	26	0.33	75	315	54	3438	98	0.002	43.24	99.44
PAT 07 - 08	41035	9/25/2007	98.83	55.37	0.57	0.27	0.055	0.071	683	20	0.16	42	139	34	1208	41	0.002	43.14	99.28
PAT 07 - 08	41036	9/25/2007	97.67	54.72	0.71	0.34	0.093	0.165	515	24	0.36	52	356	57	6577	115	0.003	43.05	99.50
PAT 07 - 08	41037	9/25/2007	98.51	55.19	0.55	0.26	0.075	0.130	630	18	0.35	58	259	77	1656	68	0.002	43.16	99.45
PAT 07 - 08	41038	9/25/2007	98.02	54.92	0.66	0.32	0.080	0.103	675	27	0.23	69	201	31	2720	75	0.001	43.17	99.20
PAT 07 - 08	41039	9/25/2007	98.46	55.17	0.64	0.31	0.083	0.102	651	25	0.20	55	163	31	1268	57	0.002	43.57	99.65
PAT 07 - 08	41040	9/25/2007	97.77	54.78	0.67	0.32	0.126	0.219	828	36	0.49	65	503	46	4120	126	0.002	43.31	99.81
PAT 07 - 08	41041	9/25/2007	98.38	55.12	0.66	0.31	0.081	0.129	543	25	0.20	50	160	42	2204	43	0.001	43.49	99.65
PAT 07 - 08	41042	9/25/2007	98.47	55.17	0.63	0.30	0.079	0.097	634	24	0.22	59	180	39	2133	66	0.002	43.37	99.56
PAT 07 - 08	41043	9/25/2007	98.19	55.01	0.62	0.30	0.079	0.057	460	22	0.13	58	116	41	5007	39	0.001	43.21	99.37
PAT 07 - 08	41044	9/25/2007	93.50	52.39	4.80	2.29	0.085	0.252	676	24	0.87	69	593	46	2031	191	0.022	43.69	99.96
PAT 07 - 08	41045	9/25/2007	96.93	54.31	2.05	0.98	0.062	0.127	598	19	0.27	62	292	44	3005	75	0.005	43.44	99.60
PAT 07 - 08	41046	9/25/2007	95.62	53.58	1.44	0.69	0.228	0.625	619	60	1.41	106	1389	48	1989	446	0.011	42.95	99.96
PAT 07 - 08	41047	9/25/2007	79.48	44.53	8.44	4.04	0.382	1.117	907	92	9.49	222	3590	129	2642	1026	0.158	39.06	99.64
PAT 07 - 08	41048	9/25/2007	89.79	50.31	3.64	1.74	0.249	0.626	1133	54	4.16	146	1820	82	2494	515	0.113	41.85	99.67
PAT 07 - 08	41049	9/25/2007	74.96	42.00	10.03	4.80	0.406	1.168	861	112	11.08	216	3612	141	2535	1109	0.227	38.38	98.91
PAT 07 - 08	41050	9/25/2007	89.69	50.25	3.88	1.86	0.226	0.586	1283	57	4.67	174	1681	95	2408	451	0.129	41.69	100.02
PAT 07 - 08	41051	9/25/2007	88.75	49.72	4.11	1.97	0.289	0.680	1247	64	5.25	156	2026	114	2706	513	0.134	41.27	99.99
PAT 07 - 08	41052	9/25/2007	82.70	46.33	9.42	4.50	0.251	0.696	950	80	6.19	167	1980	121	2045	578	0.123	41.16	99.85
PAT 07 - 08	41053	9/25/2007	77.90	43.64	10.05	4.80	0.436	1.347	890	108	8.55	211	3684	163	2803	1105	0.235	39.48	99.39
PAT 07 - 08	41054	9/25/2007	89.16	49.95	3.93	1.88	0.253	0.716	1229	61	5.05	128	1948	126	2628	499	0.131	41.36	100.00
PAT 07 - 08	41055	9/25/2007	96.02	53.80	2.24	1.07	0.085	0.270	1199	24	0.91	97	660	61	1402	148	0.046	43.48	100.02
PAT 07 - 08	41056	9/25/2007	89.36	50.07	4.59	2.20	0.191	0.546	1081	56	4.56	113	1498	98	1981	388	0.098	41.71	99.89
PAT 07 - 08	41057	9/25/2007	91.24	51.12	3.77	1.80	0.189	0.540	1344	51	3.07	149	1472	78	2314	314	0.128	42.78	100.21
PAT 07 - 08	41058	9/25/2007	77.42	43.37	6.12	2.92	0.464	1.325	1165	98	10.67	191	4428	221	4905	941	0.372	38.06	98.39
PAT 07 - 08	41059	9/25/2007	82.25	46.09	6.72	3.21	0.320	0.937	1258	99	8.21	147	2759	168	3618	685	0.238	39.81	99.69
PAT 07 - 08	41060	9/25/2007	84.90	47.57	3.64	1.74	0.253	0.644	1533	90	8.04	121	1986	144	4531	479	0.174	39.90	99.21
PAT 07 - 08	41061	9/25/2007	79.02	44.28	5.60	2.68	0.423	1.161	1486	146	10.51	209	3638	163	6856	943	0.274	38.24	98.91
PAT 07 - 08	41062	9/25/2007	74.60	41.80	5.38	2.57	0.457	1.341	1344	174	13.55	169	3933	205	2990	1101	0.335	36.41	97.46
PAT 07 - 08	41063	9/25/2007	88.98	49.85	3.38	1.62	0.265	0.656	1629	84	5.73	124	1858	123	3279	462	0.201	41.14	100.22
PAT 07 - 08	41064	9/25/2007	85.79	48.07	4.74	2.27	0.299	0.716	1378	117	6.20	127	2112	137	4259	529	0.186	40.78	99.38
PAT 07 - 08	41065	9/25/2007	84.63	47.42	4.46	2.13	0.311	0.829	1392	131	7.94	146	2374	137	3702	615	0.216	39.68	99.38
PAT 07 - 08	41066	9/25/2007	68.06	38.13	9.60	4.59	0.595	1.803	1060	266	14.76	221	5360	270	6310	1437	0.477	36.09	97.94
PAT 07 - 08	41067	9/25/2007	91.86	51.47	3.00	1.43	0.188	0.449	1451	54	3.38	116	1295	97	5744	320	0.140	42.12	100.09
PAT 07 - 08	41068	9/25/2007	88.25	49.44	3.59	1.72	0.237	0.570	1332	72	4.89	137	1680	122	3993	417	0.188	41.67	99.49
PAT 07 - 08	41069	9/25/2007	82.54	46.25	5.65	2.70	0.306	0.893	1255	89	8.12	176	2962	143	5384	674	0.239	40.00	99.58
PAT 07 - 08	41070	9/25/2007	91.47	51.25	3.64	1.74	0.153	0.406	1252	41	3.06	108	1184	112	5159	278	0.118	42.39	99.93
PAT 07 - 08	41071	9/25/2007	92.12	51.61	3.96	1.89	0.167	0.434	910	32	2.22	120	1122	99	6519	296	0.109	42.71	100.06
PAT 07 - 08	41072	9/25/2007	94.17	52.76	2.94	1.40	0.089	0.222	1019	26	1.35	106	606	94	7890	128	0.070	43.11	99.99
PAT 07 - 08	41073	9/25/2007	93.43	52.35	3.27	1.56	0.118	0.316	1098	34	1.78	125	861	67	4867	181	0.079	43.02	99.94
PAT 07 - 08	41074	9/25/2007	92.00	51.55	3.28	1.57	0.151	0.426	1118	40	2.47	135	1121	114	5318	256	0.093	42.66	99.72
PAT 07 - 08	41075	9/25/2007	91.89	51.49	3.35	1.60	0.162	0.859	1230	50	2.50	151	1244	77	8200	275	0.097	42.49	100.32
PAT 07 - 08	41076	9/25/2007	92.58	51.87	3.41	1.63	0.210	0.448	1178	35	2.25	157	1097	73	6718	271	0.110	42.54	100.02
PAT 07 - 08	41077	9/25/2007	92.68	51.93	2.70	1.29	0.133	0.467	1238	41	3.05	170	1022	70	3471	202	0.083	42.23	99.80
PAT 07 - 08	41078	9/25/2007	74.85	41.94	5.21	2.49	0.484	1.386	1439	179	13.89	242	4228	121	4467	1081	0.346	36.03	97.74
PAT 07 - 08	41079	9/25/2007	81.96	45.92	4.26	2.03	0.258	0.789	1651	133	10.07	171	2341	128	4168	617	0.180	38.70	98.88
PAT 07 - 08	41080	9/25/2007	76.56	42.89	5.53	2.64	0.444	1.290	1571	194	12.78	189	4044	178	3469	1042	0.354	36.95	98.43
PAT 07 - 08	41081	9/25/2007	55.60	31.15	7.69	3.68	0.662	2.095	1125	654	24.36	246	6896	246	4267	1830	0.544	29.62	93.94
PAT 07 - 08	41082	9/25/2007	81.15	45.47	4.13	1.97	0.368	0.926	1449	174	10.34	174	2887	122	5012	729	0.248	38.24	98.62
PAT 07 - 08	41083	9/25/2007	79.68	44.64	4.25	2.03	0.645	0.849	1349	591	11.76	185	2525	128	5489	634	0.258	37.02	98.29
PAT 07 - 08	41084	9/25/2007	76.51	42.87	4.63	2.22	0.514	0.931	1630	347	12.91	230	2957	154	5096	640	0.340	37.24	98.12
PAT 07 - 08	41085	9/25/2007	76.29	42.74	6.38	3.05	0.612	1.289	1765	352	12.31	290	4136	146	3875	986	0.353	37.32	98.84

PAT 07 - 08	41086	9/25/2007	68.70	38.49	7.04	3.37	1.145	1.571	1442	1136	17.13	213	5024	224	3051	1361	0.470	34.66	98.08
PAT 07 - 08	41087	9/25/2007	68.14	38.18	5.90	2.82	0.788	1.599	1570	553	17.24	271	5209	234	2962	1406	0.444	34.01	96.30
PAT 07 - 08	41088	9/25/2007	85.06	47.66	2.89	1.38	0.317	0.632	1671	156	8.69	139	1852	116	2694	448	0.237	39.91	99.54
PAT 07 - 08	41089	9/25/2007	87.26	48.89	3.23	1.54	0.285	0.573	1708	157	6.40	134	1580	121	3658	385	0.195	40.68	99.34
PAT 07 - 08	41090	9/25/2007	82.14	46.02	5.10	2.44	0.431	1.043	1588	208	8.80	177	3220	184	4832	818	0.298	39.09	99.22
PAT 07 - 08	41091	9/25/2007	87.52	49.04	3.58	1.71	0.284	0.568	1270	170	5.98	154	1668	96	3680	393	0.137	40.84	99.30
PAT 07 - 08	41092	9/25/2007	88.54	49.61	3.46	1.66	0.267	0.641	1635	92	5.60	172	2042	107	4832	459	0.180	40.82	99.71
PAT 07 - 08	41093	9/25/2007	84.24	47.20	3.58	1.71	0.498	0.732	1356	394	8.24	180	2371	149	5597	495	0.248	39.35	99.03
PAT 07 - 08	41094	9/25/2007	67.00	37.54	5.33	2.55	0.873	1.850	1004	410	17.35	269	6525	229	6455	1462	0.568	33.79	96.15
PAT 07 - 08	41095	9/25/2007	81.18	45.48	3.69	1.77	0.738	0.875	1321	673	9.75	175	2637	193	4152	571	0.286	38.92	98.79
PAT 07 - 08	41096	9/25/2007	80.56	45.13	3.94	1.89	0.564	0.887	1165	422	10.47	148	2698	173	3322	575	0.289	38.47	98.54
PAT 07 - 08	41097	9/25/2007	94.16	52.76	4.51	2.15	0.046	0.095	514	18	0.24	58	233	57	2731	63	0.003	43.78	99.45
PAT 07 - 08	41098	9/25/2007	92.92	52.06	2.03	0.97	0.146	0.201	1560	113	3.71	89	553	90	2716	130	0.077	42.11	99.80

10/Can Geo/Stone

Sample	Sample Date	Sample Time	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total
PAT 07 - 09	41099	9/29/2007	97.97	54.89	0.60	0.29	0.046	0.056	294	31	0.32	43	151	91	1843	38	0.002	43.53	99.38
PAT 07 - 09	41100	9/29/2007	98.45	55.16	0.50	0.24	0.036	0.013	278	22	0.38	35	42	49	497	5	0.000	43.33	99.25
PAT 07 - 09	41101	9/29/2007	98.05	54.94	0.56	0.27	0.068	0.111	322	27	0.27	50	265	49	5037	74	0.003	43.26	99.50
PAT 07 - 09	41102	9/29/2007	98.58	55.23	0.47	0.22	0.035	0.038	307	21	0.13	43	87	50	5482	28	0.000	43.28	99.54
PAT 07 - 09	41103	9/29/2007	98.16	55.00	0.50	0.24	0.083	0.148	335	30	0.40	50	298	65	4378	88	0.001	43.10	99.50
PAT 07 - 09	41104	9/29/2007	98.81	55.36	0.47	0.22	0.058	0.050	325	25	0.15	39	119	37	2241	38	0.001	43.42	99.54
PAT 07 - 09	41105	9/29/2007	97.62	54.69	0.51	0.24	0.091	0.113	335	26	0.28	41	242	88	3549	47	0.001	43.24	99.10
PAT 07 - 09	41106	9/29/2007	98.32	55.09	0.54	0.26	0.083	0.020	335	25	0.06	37	34	49	794	11	0.001	43.35	98.99
PAT 07 - 09	41107	9/29/2007	98.39	55.12	0.49	0.23	0.078	0.017	338	26	0.05	38	33	46	336	15	0.000	43.32	98.90
PAT 07 - 09	41108	9/29/2007	99.07	55.51	0.51	0.25	0.081	0.030	373	28	0.07	38	37	52	777	6	0.000	43.22	99.29
PAT 07 - 09	41109	9/29/2007	97.90	54.85	0.52	0.25	0.047	0.056	385	23	0.40	43	132	51	5382	22	0.030	43.76	100.00
PAT 07 - 09	41110	9/29/2007	97.74	54.76	0.57	0.27	0.072	0.110	414	26	0.51	63	247	51	7625	62	0.023	43.66	100.26
PAT 07 - 09	41111	9/29/2007	98.07	54.95	0.50	0.24	0.062	0.046	393	24	0.18	48	97	45	6548	25	0.003	43.16	99.36
PAT 07 - 09	41112	9/29/2007	98.33	55.09	0.63	0.30	0.073	0.100	421	30	0.23	49	204	47	4209	62	0.001	43.24	99.54
PAT 07 - 09	41113	9/29/2007	97.38	54.56	0.81	0.39	0.097	0.263	586	23	0.73	66	630	48	3118	156	0.012	43.54	100.06
PAT 07 - 09	41114	9/29/2007	96.84	54.26	0.79	0.38	0.141	0.299	637	30	0.87	73	759	52	2662	150	0.027	43.69	100.10
PAT 07 - 09	41115	9/25/2007	98.43	55.15	0.62	0.29	0.056	0.028	387	21	0.15	40	72	63	1406	24	0.008	43.90	99.79
PAT 07 - 09	41116	9/29/2007	98.48	55.18	0.53	0.25	0.042	0.022	316	16	0.04	35	31	39	872	6	0.001	43.73	99.40
PAT 07 - 09	41117	9/29/2007	98.38	55.12	0.56	0.27	0.076	0.017	341	24	0.06	37	42	54	751	20	0.011	43.95	99.63
PAT 07 - 09	41118	9/29/2007	98.66	55.28	0.54	0.26	0.059	0.021	321	23	0.05	35	32	47	1696	10	0.001	43.58	99.46
PAT 07 - 09	41119	9/29/2007	98.64	55.27	0.52	0.25	0.031	0.007	300	19	0.04	41	48	44	662	25	0.015	44.12	99.84
PAT 07 - 09	41120	9/29/2007	99.13	55.54	0.49	0.23	0.057	0.008	277	22	0.03	34	41	57	530	6	0.001	43.55	99.52
PAT 07 - 09	41121	9/29/2007	97.78	54.79	0.75	0.36	0.126	0.268	300	23	0.63	56	492	66	966	159	0.000	43.29	99.66
PAT 07 - 09	41122	9/29/2007	98.25	55.05	0.65	0.31	0.091	0.131	298	24	0.36	38	290	104	903	69	0.001	43.44	99.56
PAT 07 - 09	41123	9/29/2007	98.14	54.99	0.71	0.34	0.084	0.092	392	26	0.23	49	249	50	2624	66	0.002	43.38	99.45
PAT 07 - 09	41124	9/29/2007	95.37	53.44	0.74	0.36	0.251	0.655	463	27	1.31	107	1643	64	10892	442	0.032	42.52	99.93
PAT 07 - 09	41125	9/29/2007	99.06	55.50	0.56	0.27	0.070	0.017	355	19	0.05	42	49	45	632	17	0.032	44.33	100.38
PAT 07 - 09	41126	9/29/2007	98.58	55.24	0.53	0.25	0.066	0.012	357	19	0.13	42	46	46	608	23	0.031	44.35	100.19
PAT 07 - 09	41127	9/29/2007	98.54	55.21	0.77	0.37	0.086	0.075	565	22	0.20	52	146	42	1141	49	0.012	43.83	99.98
PAT 07 - 09	41128	9/29/2007	97.84	54.82	0.85	0.41	0.106	0.188	842	22	0.46	81	489	56	2048	113	0.028	43.84	100.22
PAT 07 - 09	41129	9/29/2007	97.98	54.89	0.88	0.42	0.090	0.129	872	19	0.40	61	355	59	1474	88	0.007	43.64	99.87
PAT 07 - 09	41130	9/29/2007	98.77	55.34	0.77	0.37	0.051	0.025	657	16	0.12	49	72	49	557	23	0.005	43.62	99.67
PAT 07 - 09	41131	9/29/2007	97.34	54.54	0.91	0.43	0.081	0.241	796	17	0.78	83	593	54	2449	130	0.015	43.53	100.03
PAT 07 - 09	41132	9/29/2007	98.43	55.15	0.87	0.41	0.050	0.086	657	15	0.27	65	142	43	888	44	0.013	43.81	99.97
PAT 07 - 09	41133	9/29/2007	98.13	54.98	0.95	0.45	0.057	0.087	886	22	0.34	89	112	32	673	34	0.001	43.62	99.72
PAT 07 - 09	41134	9/29/2007	95.62	53.58	1.97	0.94	0.201	0.493	391	54	1.16	60	438	<20	2825	268	0.001	42.89	99.66
PAT 07 - 09	41135	9/29/2007	98.49	55.18	0.60	0.29	0.065	0.092	439	20	0.23	72	127	<20	352	53	0.000	43.46	99.42
PAT 07 - 09	41136	9/29/2007	98.62	55.25	0.71	0.34	0.042	0.039	413	16	0.17	55	74	54	864	28	0.000	43.53	99.52
PAT 07 - 09	41137	9/29/2007	99.06	55.50	0.58	0.28	0.051	0.014	397	18	0.07	44	41	44	318	4	0.000	43.53	99.53
PAT 07 - 09	41138	9/29/2007	99.05	55.50	0.49	0.23	0.059	0.003	335	19	0.03	40	<30	49	254	12	0.000	43.49	99.38
PAT 07 - 09	41139	9/29/2007	98.67	55.28	0.45	0.21	0.045	0.005	261	18	0.03	36	<30	42	265	3	0.000	43.44	99.08
PAT 07 - 09	41140	9/29/2007	99.06	55.50	0.48	0.23	0.039	0.011	286	17	0.10	38	<30	40	1124	13	0.000	43.44	99.47
PAT 07 - 09	41141	9/29/2007	99.03	55.49	0.53	0.25	0.048	0.007	347	16	0.04	30	<30	37	650	7	0.001	43.34	99.28
PAT 07 - 09	41142	9/29/2007	98.98	55.46	0.51	0.25	0.053	0.023	289	18	0.07	35	58	40	685	26	0.001	43.58	99.54
PAT 07 - 09	41143	9/29/2007	98.79	55.35	0.56	0.27	0.059	0.055	351	19	0.19	47	115	59	1298	38	0.000	43.46	99.57
PAT 07 - 09	41144	9/29/2007	98.92	55.42	0.54	0.26	0.074	0.020	355	21	0.10	39	57	44	292	11	0.000	43.52	99.48
PAT 07 - 09	41145	9/29/2007	99.14	55.55	0.52	0.25	0.041	0.009	365	16	0.06	41	34	270	203	5	0.000	43.42	99.42
PAT 07 - 09	41146	9/29/2007	96.95	54.32	0.74	0.35	0.108	0.259	485	21	0.91	79	657	54	6528	183	0.002	42.85	99.60
PAT 07 - 09	41147	9/29/2007	98.01	54.91	0.62	0.30	0.074	0.122	476	18	0.30	69	330	50	5925	79	0.001	43.10	99.50
PAT 07 - 09	41148	9/29/2007	97.85	54.82	0.65	0.31	0.102	0.050	401	21	0.12	47	143	57	1216	40	0.000	43.66	99.26
PAT 07 - 09	41149	9/29/2007	98.64	55.27	0.63	0.30	0.081	0.066	407	19	0.22	56	180	47	1191	44	0.000	43.37	99.50
PAT 07 - 09	41150	9/29/2007	98.94	55.44	0.65	0.31	0.040	0.009	437	17	0.06	50	42	50	321	3	0.000	43.41	99.36
PAT 07 - 09	41151	9/29/2007	98.89	55.41	0.71	0.34	0.048	0.029	479	18	0.09	60	60	50	295	20	0.000	43.64	99.65
PAT 07 - 09	41152	9/29/2007	98.88	55.40	0.68	0.32	0.028	0.016	505	15	0.05	57	48	57	414	21	0.001	43.62	99.55

PAT 07 - 09	41153	9/29/2007	99.27	55.62	0.37	0.18	0.052	0.022	322	19	0.08	35	59	36	390	13	0.000	43.43	99.47
PAT 07 - 09	41154	9/29/2007	98.99	55.46	0.58	0.28	0.040	0.008	435	18	0.04	55	39	50	262	7	0.001	43.55	99.47
PAT 07 - 09	41155	9/29/2007	97.99	54.90	0.70	0.34	0.034	0.009	504	18	0.04	58	39	51	209	12	0.001	43.42	98.83
PAT 07 - 09	41156	9/29/2007	98.90	55.41	0.71	0.34	0.057	0.015	437	24	0.06	65	45	42	132	15	0.002	43.53	99.49
PAT 07 - 09	41157	9/29/2007	98.90	55.41	0.72	0.35	0.040	0.008	484	18	0.07	53	47	49	365	8	0.000	43.48	99.46
PAT 07 - 09	41158	9/29/2007	98.63	55.26	0.69	0.33	0.024	0.007	438	16	0.05	52	<30	59	371	5	0.001	43.48	99.25
PAT 07 - 09	41159	9/29/2007	98.97	55.45	0.60	0.29	0.068	0.012	423	21	0.05	57	41	43	207	15	0.000	43.26	99.21
PAT 07 - 09	41160	9/29/2007	98.34	55.10	0.88	0.42	0.035	0.008	491	17	0.06	59	<30	77	289	7	0.000	43.77	99.48
PAT 07 - 09	41161	9/29/2007	98.70	55.30	0.80	0.38	0.046	0.011	520	18	0.11	55	50	93	596	20	0.001	43.63	99.62
PAT 07 - 09	41162	9/29/2007	95.80	53.68	2.02	0.96	0.115	0.188	615	25	0.53	91	416	58	1145	152	0.008	43.55	99.28
PAT 07 - 09	41163	9/29/2007	98.65	55.27	0.72	0.35	0.045	0.057	514	29	0.26	64	171	90	699	46	0.000	43.42	99.56
PAT 07 - 09	41164	9/29/2007	98.51	55.19	0.75	0.36	0.040	0.069	507	25	0.23	64	197	45	1146	55	0.002	43.32	99.41
PAT 07 - 09	41165	9/29/2007	98.62	55.26	0.71	0.34	0.036	0.046	403	33	0.30	59	157	82	154	38	0.016	43.46	99.55
PAT 07 - 09	41166	9/29/2007	98.14	54.98	0.70	0.33	0.029	0.062	413	34	0.23	60	194	72	<100	50	0.002	43.44	99.16
PAT 07 - 09	41167	9/29/2007	98.43	55.15	0.70	0.33	0.047	0.070	412	41	0.18	65	189	46	222	49	0.002	43.43	99.32
PAT 07 - 09	41168	9/29/2007	98.47	55.17	0.73	0.35	0.047	0.073	395	39	0.26	65	205	40	390	58	0.002	43.37	99.39
PAT 07 - 09	41169	9/29/2007	97.93	54.87	0.70	0.34	0.062	0.050	394	37	0.24	62	158	54	243	40	0.001	43.53	99.19
PAT 07 - 09	41170	9/29/2007	81.48	45.65	14.52	6.94	0.191	0.540	515	50	1.94	129	1335	112	5252	386	0.042	44.02	100.10
PAT 07 - 09	41171	9/29/2007	95.84	53.70	2.40	1.15	0.112	0.224	602	58	0.74	134	511	38	2224	173	0.010	43.69	100.00
PAT 07 - 09	41172	9/29/2007	94.79	53.11	2.34	1.12	0.143	0.212	595	49	1.12	111	456	32	2732	143	0.011	43.41	99.54
PAT 07 - 09	41173	9/29/2007	90.32	50.61	8.88	4.25	0.061	0.051	453	37	0.32	87	141	74	1771	43	0.000	43.79	99.34
PAT 07 - 09	41174	9/29/2007	94.81	53.12	4.06	1.94	0.035	0.045	452	26	0.40	81	116	31	754	49	0.001	43.22	98.91
PAT 07 - 09	41175	9/29/2007	89.45	50.12	9.22	4.41	0.071	0.184	449	45	0.70	97	322	57	1474	107	0.013	43.79	99.54
PAT 07 - 09	41176	9/29/2007	98.52	55.20	0.70	0.33	0.038	0.021	431	24	0.27	62	100	67	917	19	0.000	42.99	99.01
PAT 07 - 09	41177	9/29/2007	98.76	55.33	0.79	0.38	0.054	0.036	433	29	0.08	63	110	29	1004	46	0.006	43.48	99.54
PAT 07 - 09	41178	9/29/2007	94.42	52.90	4.17	1.99	0.085	0.066	442	69	0.16	69	133	33	1927	55	0.009	43.96	99.45
PAT 07 - 09	41179	9/29/2007	98.82	55.37	0.64	0.30	0.055	0.047	394	30	0.12	57	150	35	1285	46	0.000	43.37	99.47
PAT 07 - 09	41180	9/29/2007	98.94	55.44	0.63	0.30	0.042	0.018	430	25	0.05	50	62	25	606	14	0.000	43.41	99.38
PAT 07 - 09	41181	9/29/2007	80.96	45.36	17.40	8.32	0.126	0.153	403	46	0.67	55	219	110	842	94	0.011	44.68	99.49
PAT 07 - 09	41182	9/29/2007	93.13	52.18	6.14	2.94	0.057	0.036	458	28	0.13	77	79	43	921	26	0.005	44.01	99.52
PAT 07 - 09	41183	9/29/2007	75.49	42.29	23.96	11.45	0.058	0.047	371	85	0.11	72	42	52	781	40	0.000	45.33	99.44
PAT 07 - 09	41184	9/29/2007	85.31	47.80	13.51	6.46	0.072	0.049	419	69	0.12	77	59	43	1095	53	0.004	44.53	99.22
PAT 07 - 09	41185	9/29/2007	77.47	43.41	22.09	10.56	0.054	0.024	322	37	0.06	51	48	45	741	25	0.000	45.07	99.30
PAT 07 - 09	41186	9/29/2007	64.63	36.21	34.43	16.46	0.053	0.033	247	29	0.07	39	56	61	883	28	0.000	46.06	99.02
PAT 07 - 09	41187	9/29/2007	65.70	36.81	33.03	15.79	0.068	0.041	242	33	0.07	40	73	52	832	56	0.000	46.49	99.40
PAT 07 - 09	41188	9/29/2007	63.13	35.37	36.15	17.28	0.088	0.074	250	38	0.16	49	161	74	1338	49	0.000	46.59	99.76
PAT 07 - 09	41189	9/29/2007	71.10	39.84	28.31	13.53	0.050	0.046	317	49	0.14	78	84	66	832	23	0.000	46.10	99.85
PAT 07 - 09	41190	9/29/2007	71.50	40.06	27.81	13.29	0.141	0.090	349	69	0.17	84	31	62	1207	46	0.000	46.15	100.09
PAT 07 - 09	41191	9/29/2007	90.94	50.95	7.48	3.58	0.107	0.166	555	52	0.61	111	202	43	2319	119	0.002	44.02	99.78
PAT 07 - 09	41192	9/29/2007	60.94	34.14	38.08	18.20	0.165	0.099	272	137	0.26	43	57	57	2161	72	0.000	46.73	99.88
PAT 07 - 09	41193	9/29/2007	75.79	42.47	23.25	11.11	0.138	0.103	370	124	0.15	48	33	51	2033	47	0.003	45.86	100.11
PAT 07 - 09	41194	9/29/2007	75.88	42.52	22.97	10.98	0.096	0.045	343	119	0.11	39	<30	33	1979	38	0.010	45.88	99.89
PAT 07 - 09	41195	9/29/2007	93.75	52.53	4.95	2.37	0.070	0.048	413	77	0.14	50	<30	41	2061	50	0.011	44.41	99.84
PAT 07 - 09	41196	9/29/2007	95.49	53.50	3.21	1.54	0.077	0.061	431	49	0.17	56	<30	33	1772	40	0.012	44.37	99.96
PAT 07 - 09	41197	9/29/2007	98.11	54.97	0.86	0.41	0.071	0.013	321	36	0.22	43	<30	37	586	9	0.007	44.08	99.87
PAT 07 - 09	41198	9/29/2007	97.37	54.55	1.59	0.76	0.052	0.017	344	33	0.05	44	<30	29	698	11	0.006	44.10	99.66
PAT 07 - 09	41199	9/29/2007	98.08	54.95	0.92	0.44	0.054	0.016	322	28	0.06	44	40	24	753	13	0.009	44.10	99.75
PAT 07 - 09	41200	9/29/2007	98.25	55.05	0.85	0.41	0.041	0.029	331	23	0.09	49	59	24	1165	23	0.007	43.87	99.66
PAT 07 - 09	41201	9/29/2007	98.65	55.27	0.82	0.39	0.067	0.027	357	34	0.06	46	54	47	1137	25	0.005	43.96	99.96
PAT 07 - 09	41202	9/29/2007	98.46	55.17	0.81	0.39	0.071	0.047	320	33	0.31	41	70	59	1146	82	0.007	43.86	100.02
PAT 07 - 09	41203	9/29/2007	98.00	54.91	1.26	0.60	0.077	0.044	331	34	0.11	47	107	58	1613	44	0.005	43.81	99.78
PAT 07 - 09	41204	9/29/2007	97.25	54.49	2.07	0.99	0.055	0.047	319	31	0.17	39	118	59	1910	46	0.003	43.72	99.73
PAT 07 - 09	41205	9/29/2007	96.58	54.11	2.38	1.14	0.060	0.056	324	31	0.17	40	121	62	4144	57	0.008	43.87	99.90
PAT 07 - 09	41206	9/29/2007	99.07	55.51	0.54	0.26	0.041	0.010	266	25	0.10	34	37	54	832	39	0.005	43.83	99.88
PAT 07 - 09	41207	9/29/2007	98.90	55.41	0.59	0.28	0.046	0.009	279	47	0.11	41	48	51	799	24	0.005	44.02	100.02
PAT 07 - 09	41208	9/29/2007	98.65	55.27	0.69	0.33	0.082	0.016	302	36	0.13	42	79	82	2041	24	0.010	43.99	100.09
PAT 07 - 09	41209	9/29/2007	92.94	52.07	5.25	2.51	0.089	0.036	328	33	0.08	45	72	107	3591	95	0.014	44.47	99.69

PAT 07 - 09	41210	9/29/2007	86.99	48.74	11.35	5.43	0.098	0.075	326	42	0.23	48	130	108	9305	80	0.010	44.64	100.22
PAT 07 - 09	41211	9/29/2007	96.81	54.24	2.63	1.26	0.082	0.023	362	54	0.03	45	25	118	980	34	0.011	44.29	100.10
PAT 07 - 09	41212	9/29/2007	98.64	55.27	1.03	0.49	0.071	0.010	343	30	0.02	35	24	181	368	50	0.007	43.97	99.94
PAT 07 - 09	41213	9/29/2007	98.06	54.94	1.41	0.68	0.088	0.015	357	45	0.06	37	40	716	954	18	0.010	44.18	100.19
PAT 07 - 09	41214	9/29/2007	98.00	54.91	1.21	0.58	0.052	0.015	348	25	0.07	43	44	87	769	21	0.017	44.46	100.23
PAT 07 - 09	41215	9/29/2007	97.36	54.55	1.48	0.71	0.050	0.024	381	27	0.13	57	54	59	678	37	0.013	44.40	100.00
PAT 07 - 09	41216	9/29/2007	60.66	33.99	37.61	17.98	0.104	0.198	284	72	0.45	35	272	139	797	108	0.007	47.11	100.00
PAT 07 - 09	41217	9/29/2007	57.21	32.05	39.25	18.76	0.201	0.523	286	78	1.28	47	634	198	386	306	0.029	47.24	100.28
PAT 07 - 09	41218	9/29/2007	95.86	53.71	3.41	1.63	0.045	0.045	393	53	0.29	54	76	95	1140	42	0.009	44.22	100.13
PAT 07 - 09	41219	9/29/2007	73.33	41.09	25.17	12.03	0.196	0.292	312	60	0.62	51	468	114	882	139	0.010	45.81	100.25
PAT 07 - 09	41220	9/29/2007	56.67	31.75	39.80	19.02	0.208	0.387	274	93	1.08	66	844	180	459	319	0.022	46.94	99.64
PAT 07 - 09	41221	9/29/2007	51.50	28.85	39.20	18.74	0.455	1.521	203	111	5.38	204	3952	245	629	1041	0.268	43.67	99.52
PAT 07 - 09	41222	9/29/2007	47.45	26.59	34.61	16.55	0.512	1.593	191	290	12.95	182	4012	249	983	1260	0.202	39.21	98.32
PAT 07 - 09	41223	9/29/2007	63.76	35.73	35.44	16.94	0.080	0.060	262	47	0.15	19	76	107	2952	67	0.000	46.54	99.85
PAT 07 - 09	41224	9/29/2007	98.23	55.04	0.89	0.43	0.081	0.038	356	33	0.40	54	107	50	1302	43	0.000	43.69	99.87
PAT 07 - 09	41225	9/29/2007	98.66	55.28	0.63	0.30	0.213	0.031	293	64	0.10	42	79	136	1008	27	0.000	43.65	99.74
PAT 07 - 09	41226	9/29/2007	98.59	55.24	0.92	0.44	0.050	0.040	321	32	0.11	57	99	53	1147	47	0.000	43.62	99.67
PAT 07 - 09	41227	9/29/2007	98.70	55.30	0.57	0.27	0.045	0.032	437	25	0.17	44	86	258	1895	30	0.003	43.16	99.26
PAT 07 - 09	41228	9/29/2007	98.88	55.40	0.49	0.23	0.051	0.012	339	26	0.18	34	45	1146	924	12	0.000	43.29	99.42
PAT 07 - 09	41229	9/29/2007	98.42	55.14	0.58	0.28	0.046	0.034	343	28	0.11	35	62	79	1274	26	0.000	43.24	99.03
PAT 07 - 09	41230	9/29/2007	90.08	50.47	8.39	4.01	0.075	0.141	284	64	0.35	35	120	49	3470	90	0.000	43.56	99.02
PAT 07 - 09	41231	9/29/2007	86.63	48.54	11.63	5.56	0.126	0.235	808	33	0.77	63	369	80	3167	214	0.012	44.19	99.91
PAT 07 - 09	41232	9/29/2007	91.73	51.40	6.53	3.12	0.108	0.173	1333	28	0.85	61	357	115	2050	116	0.016	43.73	99.80
PAT 07 - 09	41233	9/29/2007	97.67	54.72	1.32	0.63	0.120	0.086	1113	37	0.33	39	158	88	1137	59	0.010	43.95	100.11
PAT 07 - 09	41234	9/29/2007	84.28	47.22	13.88	6.63	0.182	0.354	597	211	0.91	54	166	119	1451	215	0.001	44.01	99.60
PAT 07 - 09	41235	9/29/2007	94.65	53.03	4.11	1.97	0.103	0.187	786	81	0.48	47	225	56	1251	120	0.009	43.73	99.76
PAT 07 - 09	41236	9/29/2007	96.52	54.08	2.49	1.19	0.066	0.084	1021	42	0.45	55	227	52	997	55	0.006	43.60	99.72
PAT 07 - 09	41237	9/29/2007	58.28	32.66	32.37	15.48	0.617	1.851	427	115	5.43	468	5233	273	1473	1446	0.429	42.22	99.62
PAT 07 - 09	41238	9/29/2007	95.11	53.29	2.97	1.42	0.073	0.134	1726	41	1.30	64	395	79	635	80	0.019	43.42	99.96
PAT 07 - 09	41239	9/29/2007	96.01	53.79	2.21	1.05	0.166	0.233	2395	54	0.71	74	629	104	1013	186	0.037	43.50	99.94

10/Can Geo/Stone

Sample	Sample Date	Sample Time	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total
PAT 07 - 10	41240	10/1/2007	98.01	54.92	0.66	0.32	0.089	0.157	498	69	0.42	66	351	43	2556	88	0.000	43.0	99.31
PAT 07 - 10	41241	10/1/2007	98.36	55.11	0.61	0.29	0.036	0.047	437	62	0.10	65	130	41	1153	25	0.000	43.3	99.07
PAT 07 - 10	41242	10/1/2007	98.35	55.10	0.62	0.30	0.035	0.043	451	52	0.14	64	86	45	6060	31	0.001	43.2	99.49
PAT 07 - 10	41243	10/1/2007	98.70	55.30	0.62	0.29	0.075	0.054	465	53	0.14	69	92	41	1414	26	0.001	43.6	99.66
PAT 07 - 10	41244	10/1/2007	98.88	55.40	0.62	0.29	0.048	0.043	433	44	0.13	61	97	73	1054	12	0.000	43.7	99.74
PAT 07 - 10	41245	10/1/2007	98.83	55.37	0.53	0.25	0.057	0.040	381	41	0.13	54	107	108	1501	13	0.000	43.6	99.63
PAT 07 - 10	41246	10/1/2007	98.59	55.24	0.53	0.25	0.060	0.086	380	39	0.20	54	169	128	2746	35	0.000	43.4	99.55
PAT 07 - 10	41247	10/1/2007	98.49	55.18	0.61	0.29	0.064	0.122	435	42	0.28	63	265	50	1834	74	0.000	43.3	99.55
PAT 07 - 10	41248	10/1/2007	96.26	53.93	0.77	0.37	0.266	0.642	462	83	1.25	78	1086	76	2096	468	0.000	42.7	99.55
PAT 07 - 10	41249	10/1/2007	98.32	55.09	0.66	0.31	0.083	0.094	466	51	0.44	69	208	92	1590	46	0.003	43.4	99.62
PAT 07 - 10	41250	10/1/2007	98.33	55.09	0.68	0.33	0.094	0.151	455	47	0.34	68	282	76	1156	100	0.000	43.3	99.54
PAT 07 - 10	41251	10/1/2007	97.55	54.66	0.74	0.35	0.123	0.194	439	51	0.73	71	534	108	2382	148	0.001	43.5	99.95
PAT 07 - 10	41252	10/1/2007	97.72	54.75	0.74	0.35	0.161	0.258	443	46	0.61	83	737	55	1847	197	0.000	43.3	99.78
PAT 07 - 10	41253	10/1/2007	95.70	53.62	0.76	0.37	0.384	0.877	403	51	1.59	140	2184	143	1782	561	0.000	42.4	99.71
PAT 07 - 10	41254	10/1/2007	98.29	55.07	0.64	0.31	0.093	0.159	458	47	0.38	70	333	64	823	106	0.001	43.2	99.37
PAT 07 - 10	41255	10/1/2007	98.26	55.06	0.60	0.29	0.062	0.103	441	39	0.40	60	239	93	1068	61	0.000	43.2	99.33
PAT 07 - 10	41256	10/1/2007	96.23	53.92	1.85	0.88	0.217	0.398	281	54	0.81	74	926	49	1734	307	0.000	43.0	99.52
PAT 07 - 10	41257	10/1/2007	96.50	54.07	0.88	0.42	0.260	0.471	415	87	0.95	77	925	74	5158	321	0.000	42.6	99.47
PAT 07 - 10	41258	10/1/2007	92.26	51.69	4.79	2.29	0.336	0.590	456	81	1.25	90	1565	128	3891	429	0.036	43.1	99.97
PAT 07 - 10	41259	10/1/2007	59.76	33.48	20.69	9.89	1.391	4.013	224	155	9.42	354	10189	248	4030	2685	0.301	37.5	97.78
PAT 07 - 10	41260	10/1/2007	95.38	53.44	3.62	1.73	0.086	0.133	420	50	0.32	49	312	97	1890	76	0.002	43.4	99.41
PAT 07 - 10	41261	10/1/2007	85.68	48.00	11.16	5.34	0.258	0.599	429	65	1.40	87	1288	100	4532	424	0.026	43.6	99.94
PAT 07 - 10	41262	10/1/2007	84.67	47.44	14.01	6.70	0.104	0.165	387	52	0.43	64	359	78	3653	127	0.000	44.2	99.51
PAT 07 - 10	41263	10/1/2007	92.97	52.09	5.42	2.59	0.142	0.268	437	63	0.76	54	181	56	1099	176	0.001	43.4	99.46
PAT 07 - 10	41264	10/1/2007	81.65	45.75	5.29	2.53	0.543	1.183	653	221	8.52	166	3167	103	11217	858	0.213	38.4	98.74
PAT 07 - 10	41265	10/1/2007	81.50	45.66	8.04	3.85	0.599	1.450	610	121	6.29	198	4153	122	11097	1070	0.433	40.0	99.99
PAT 07 - 10	41266	10/1/2007	97.63	54.70	1.36	0.65	0.067	0.126	439	45	0.34	60	332	49	1898	90	0.002	43.5	99.64
PAT 07 - 10	41267	10/1/2007	56.89	31.87	23.48	11.23	1.066	3.229	341	144	9.42	290	10248	315	23333	2202	0.800	37.7	98.95
PAT 07 - 10	41268	10/1/2007	90.28	50.58	3.27	1.56	0.301	0.758	579	72	3.99	127	2005	99	6833	481	0.129	41.5	99.86
PAT 07 - 10	41269	10/1/2007	89.28	50.02	6.62	3.16	0.186	0.497	542	55	2.25	124	1322	111	7755	286	0.098	42.8	100.02
PAT 07 - 10	41270	10/1/2007	97.43	54.59	1.51	0.72	0.080	0.096	440	28	0.27	77	270	64	1644	76	0.009	43.7	99.68
PAT 07 - 10	41271	10/1/2007	94.87	53.16	3.87	1.85	0.119	0.130	405	39	0.32	75	370	72	2901	102	0.017	43.7	99.68
PAT 07 - 10	41272	10/1/2007	95.92	53.74	2.75	1.31	0.099	0.142	490	39	0.77	85	414	131	965	74	0.021	43.7	100.01
PAT 07 - 10	41273	10/1/2007	96.22	53.91	2.47	1.18	0.205	0.147	543	73	0.56	103	436	67	885	97	0.040	43.6	99.89
PAT 07 - 10	41274	10/1/2007	96.20	53.90	2.47	1.18	0.191	0.167	578	68	0.53	111	476	78	1144	81	0.036	43.6	99.85
PAT 07 - 10	41275	10/1/2007	96.65	54.15	2.05	0.98	0.082	0.094	524	36	0.66	88	264	60	862	67	0.024	43.7	99.89
PAT 07 - 10	41276	10/1/2007	95.32	53.41	2.52	1.21	0.080	0.134	581	40	1.50	90	370	66	2200	80	0.027	43.3	99.97
PAT 07 - 10	41277	10/1/2007	87.43	48.99	6.58	3.15	0.258	0.687	637	62	3.42	115	1976	126	8988	423	0.202	41.9	99.83
PAT 07 - 10	41278	10/1/2007	71.24	39.92	16.74	8.00	0.474	1.454	574	99	6.51	162	4336	224	17090	881	0.373	40.4	99.51
PAT 07 - 10	41279	10/1/2007	92.29	51.71	4.49	2.15	0.155	0.367	604	51	1.59	121	1011	95	6612	199	0.094	43.0	99.89
PAT 07 - 10	41280	10/1/2007	91.57	51.30	5.90	2.82	0.141	0.243	486	50	1.22	89	689	91	931	142	0.064	43.7	99.74
PAT 07 - 10	41281	10/1/2007	87.15	48.83	5.98	2.86	0.388	0.894	541	73	4.52	141	2466	143	2510	606	0.278	41.6	99.99
PAT 07 - 10	41282	10/1/2007	92.75	51.97	5.40	2.58	0.119	0.178	498	50	1.19	81	494	77	1213	115	0.034	43.6	99.94

10/Can Geo/Stone

Sample	Sample Date	Sample Time	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total
PAT 07 - 11	41283	10/4/2007	.	#VALUE!	2.70	1.29	0.155	0.180	481	42	0.76	80	525	102	901	179	0.002	43.38	99.70
PAT 07 - 11	41284	10/4/2007	97.79	54.79	0.73	0.35	0.124	0.084	519	39	0.49	82	238	48	971	59	0.002	43.35	99.38
PAT 07 - 11	41285	10/4/2007	98.49	55.18	0.72	0.34	0.102	0.081	517	34	0.32	88	226	62	664	48	0.002	43.34	99.54
PAT 07 - 11	41286	10/4/2007	97.92	54.86	0.78	0.37	0.128	0.121	512	43	0.67	88	360	56	866	93	0.006	43.32	99.68
PAT 07 - 11	41287	10/4/2007	95.92	53.75	0.92	0.44	0.242	0.469	503	51	1.55	100	1425	72	1780	344	0.020	42.80	99.70
PAT 07 - 11	41288	10/4/2007	96.31	53.96	0.80	0.38	0.171	0.347	493	42	1.29	102	1026	62	1136	251	0.019	43.10	99.58
PAT 07 - 11	41289	10/4/2007	97.00	54.35	0.78	0.37	0.159	0.257	529	38	1.37	101	772	71	868	205	0.012	43.15	99.92
PAT 07 - 11	41290	10/4/2007	96.98	54.33	0.78	0.37	0.127	0.225	545	38	0.98	90	679	61	703	177	0.051	43.26	99.58
PAT 07 - 11	41291	10/4/2007	96.87	54.27	0.72	0.35	0.229	0.343	491	43	1.29	95	989	56	797	294	0.018	43.11	99.88
PAT 07 - 11	41292	10/4/2007	98.11	54.97	0.85	0.41	0.092	0.057	499	52	0.55	75	202	124	1315	49	0.000	43.31	99.61
PAT 07 - 11	41293	10/4/2007	75.12	42.09	23.12	11.05	0.140	0.225	399	53	0.68	84	709	115	2990	142	0.004	44.71	99.35
PAT 07 - 11	41294	10/4/2007	98.63	55.26	0.81	0.39	0.095	0.036	510	45	0.09	64	92	39	1356	36	0.000	43.35	99.43
PAT 07 - 11	41295	10/4/2007	98.74	55.32	0.60	0.29	0.036	0.024	446	41	0.08	57	66	42	716	25	0.000	43.29	99.18
PAT 07 - 11	41296	10/4/2007	98.49	55.19	0.63	0.30	0.064	0.065	466	40	0.25	67	131	79	997	44	0.001	43.40	99.45
PAT 07 - 11	41297	10/4/2007	98.30	55.08	0.62	0.30	0.060	0.076	450	40	0.50	62	167	81	1928	56	0.001	43.47	99.76
PAT 07 - 11	41298	10/4/2007	98.83	55.38	0.61	0.29	0.068	0.019	439	43	0.04	51	55	50	1476	23	0.000	43.48	99.49
PAT 07 - 11	41299	10/4/2007	98.64	55.27	0.53	0.26	0.059	0.061	490	46	0.16	84	128	61	1952	27	0.000	43.39	99.47
PAT 07 - 11	41300	10/4/2007	98.57	55.23	0.52	0.25	0.054	0.043	489	44	0.45	72	133	84	1238	33	0.000	43.42	99.65
PAT 07 - 11	41751	10/4/2007	98.27	55.06	0.90	0.43	0.097	0.041	468	48	0.21	63	127	73	1616	41	0.000	43.46	99.54
PAT 07 - 11	41752	10/4/2007	98.73	55.32	0.64	0.31	0.096	0.032	461	44	0.10	67	102	53	518	37	0.001	43.49	99.47
PAT 07 - 11	41753	10/4/2007	97.35	54.54	1.47	0.70	0.076	0.046	471	43	0.17	71	148	53	1448	35	0.002	43.46	99.23
PAT 07 - 11	41754	10/4/2007	98.35	55.10	0.97	0.46	0.071	0.034	443	43	0.17	63	112	58	1061	32	0.000	43.39	99.42
PAT 07 - 11	41755	10/4/2007	98.53	55.21	0.80	0.38	0.088	0.023	499	49	0.13	58	70	47	615	25	0.002	43.40	99.36
PAT 07 - 11	41756	10/4/2007	98.90	55.41	0.66	0.32	0.051	0.017	522	40	0.05	54	46	41	<100	15	0.000	43.57	99.49
PAT 07 - 11	41757	10/4/2007	98.44	55.15	0.89	0.42	0.044	0.024	508	35	0.19	53	70	80	397	13	0.001	43.52	99.47
PAT 07 - 11	41758	10/4/2007	97.83	54.81	1.46	0.70	0.055	0.037	513	39	0.23	55	118	57	586	29	0.001	43.54	99.51
PAT 07 - 11	41759	10/4/2007	90.05	50.45	7.63	3.65	0.125	0.317	468	49	1.15	105	1017	78	1631	282	0.012	43.73	99.80
PAT 07 - 11	41760	10/4/2007	98.27	55.06	0.85	0.40	0.038	0.045	504	40	0.42	55	111	76	254	41	0.000	43.42	99.49
PAT 07 - 11	41761	10/4/2007	96.73	54.20	2.46	1.18	0.041	0.057	515	38	0.20	62	174	55	1081	35	0.001	43.54	99.41
PAT 07 - 11	41762	10/4/2007	97.73	54.75	1.16	0.55	0.053	0.062	492	37	0.15	78	185	41	986	48	0.000	43.40	99.16
PAT 07 - 11	41763	10/4/2007	97.33	54.54	1.02	0.49	0.109	0.206	534	48	0.93	96	604	49	947	159	0.001	43.02	99.53
PAT 07 - 11	41764	10/4/2007	98.72	55.31	0.64	0.30	0.042	0.043	485	37	0.11	51	112	45	220	26	0.000	43.38	99.29
PAT 07 - 11	41765	10/4/2007	98.91	55.42	0.71	0.34	0.060	0.021	509	37	0.05	52	65	42	201	26	0.000	43.53	99.51
PAT 07 - 11	41766	10/4/2007	98.51	55.20	0.76	0.36	0.123	0.053	491	51	0.31	55	117	60	463	32	0.001	43.39	99.56
PAT 07 - 11	41767	10/4/2007	98.26	55.05	0.67	0.32	0.038	0.056	482	53	0.28	71	142	66	1351	25	0.000	43.47	99.44
PAT 07 - 11	41768	10/4/2007	97.58	54.67	0.77	0.37	0.159	0.291	424	46	0.63	80	849	39	2318	278	0.001	43.16	99.69
PAT 07 - 11	41769	10/4/2007	97.45	54.60	0.70	0.34	0.159	0.237	430	60	0.84	61	654	92	2418	174	0.000	43.15	99.72
PAT 07 - 11	41770	10/4/2007	97.70	54.74	0.73	0.35	0.118	0.257	478	45	0.63	59	577	47	2600	179	0.000	43.03	99.52
PAT 07 - 11	41771	10/4/2007	97.08	54.40	0.75	0.36	0.213	0.370	388	44	0.82	68	1046	60	1620	397	0.000	42.97	99.49
PAT 07 - 11	41772	10/4/2007	98.83	55.37	0.61	0.29	0.052	0.042	424	36	0.17	42	125	36	736	30	0.000	43.31	99.38
PAT 07 - 11	41773	10/4/2007	94.69	53.06	3.09	1.48	0.232	0.323	457	39	0.79	75	890	68	1620	328	0.008	43.36	99.60
PAT 07 - 11	41774	10/4/2007	97.74	54.76	0.84	0.40	0.116	0.172	411	41	0.55	47	390	58	2776	123	0.001	43.30	99.69
PAT 07 - 11	41775	10/4/2007	89.53	50.16	6.96	3.33	0.189	0.411	421	51	1.18	66	1001	65	4204	307	0.026	43.48	99.38
PAT 07 - 11	41776	10/4/2007	86.64	48.54	7.62	3.64	0.607	0.989	541	72	2.47	141	3137	95	4491	925	0.319	42.42	99.93
PAT 07 - 11	41777	10/4/2007	95.15	53.31	3.46	1.65	0.195	0.158	532	39	0.38	72	481	57	2281	191	0.041	43.86	99.96
PAT 07 - 11	41778	10/4/2007	87.27	48.89	11.64	5.56	0.058	0.089	414	38	0.22	58	250	56	4041	338	0.002	44.24	99.59
PAT 07 - 11	41779	10/4/2007	95.18	53.33	3.19	1.52	0.122	0.194	583	34	0.61	59	559	49	3516	175	0.010	43.60	99.89
PAT 07 - 11	41780	10/4/2007	81.28	45.54	10.44	4.99	0.597	1.246	530	92	3.16	157	3494	97	13447	1108	0.362	41.80	99.59
PAT 07 - 11	41781	10/4/2007	78.42	43.94	12.94	6.18	0.627	1.430	374	103	4.62	163	4368	123	10330	1302	0.378	41.39	100.24
PAT 07 - 11	41782	10/4/2007	83.87	46.99	13.10	6.26	0.153	0.330	379	68	1.47	78	1014	105	3140	276	0.340	43.96	100.01
PAT 07 - 11	41783	10/4/2007	79.91	44.77	16.93	8.09	0.144	0.348	358	69	0.99	73	1010	67	4140	278	0.291	44.46	99.69
PAT 07 - 11	41784	10/4/2007	92.84	52.02	5.83	2.79	0.078	0.127	375	50	0.35	46	358	43	3767	116	0.002	43.68	99.52
PAT 07 - 11	41785	10/4/2007	88.13	49.38	8.29	3.96	0.151	0.370	427	52	1.83	90	1180	77	7491	249	0.081	43.03	99.76
PAT 07 - 11	41786	10/4/2007	89.96	50.40	7.83	3.75	0.110	0.150	411	45	1.13	76	444	52	5035	525	0.049	43.57	99.81

PAT 07 - 11	41787	10/4/2007	91.29	51.15	3.98	1.90	0.129	0.228	448	51	2.94	83	704	57	2826	191	0.059	42.38	99.22
PAT 07 - 11	41788	10/4/2007	89.89	50.36	4.05	1.94	0.280	0.673	502	61	3.90	137	2191	71	4586	536	0.156	41.67	99.78
PAT 07 - 11	41789	10/4/2007	85.42	47.86	6.00	2.87	0.377	0.782	697	93	5.50	166	2250	63	7531	653	0.278	40.57	99.38
PAT 07 - 11	41790	10/4/2007	77.36	43.34	10.75	5.14	0.781	1.635	574	128	6.43	291	5431	164	12227	1391	0.722	39.34	99.41
PAT 07 - 11	41791	10/4/2007	78.66	44.07	11.79	5.63	0.569	1.201	616	116	5.31	187	3763	104	11453	964	0.464	40.64	99.61
PAT 07 - 11	41792	10/4/2007	71.01	39.79	12.99	6.21	0.925	1.948	506	122	7.09	264	7114	167	17738	1716	0.866	38.59	98.17
PAT 07 - 11	41793	10/4/2007	92.17	51.64	5.55	2.65	0.099	0.198	451	66	1.30	69	645	58	1939	160	0.064	43.46	99.75
PAT 07 - 11	41794	10/4/2007	81.81	45.84	15.98	7.64	0.114	0.214	420	72	0.94	77	672	62	1858	163	0.059	44.40	99.54
PAT 07 - 11	41795	10/4/2007	93.22	52.23	4.68	2.24	0.100	0.172	433	57	1.00	74	558	65	1750	127	0.049	43.52	99.61
PAT 07 - 11	41796	10/4/2007	88.76	49.73	8.56	4.09	0.132	0.203	434	65	1.23	79	671	58	1661	161	0.066	43.77	99.54
PAT 07 - 11	41797	10/4/2007	74.81	41.92	19.04	9.10	0.349	0.764	438	92	2.43	145	2454	141	8184	554	0.246	43.60	99.60
PAT 07 - 11	41798	10/4/2007	84.77	47.50	10.86	5.19	0.181	0.333	411	71	2.09	88	1082	86	7042	260	0.118	43.23	99.54
PAT 07 - 11	41799	10/4/2007	84.04	47.08	8.24	3.94	0.458	1.037	455	84	4.61	140	3538	131	8756	840	0.341	41.05	99.91
PAT 07 - 11	41800	10/4/2007	87.32	48.93	4.74	2.27	0.345	0.830	569	75	4.91	173	3123	133	6112	673	0.315	41.00	99.68
PAT 07 - 11	41801	10/4/2007	92.82	52.01	3.97	1.90	0.121	0.249	556	51	2.00	123	829	53	2873	181	0.080	42.85	99.67
PAT 07 - 11	41802	10/4/2007	93.59	52.44	2.60	1.24	0.183	0.439	578	44	2.17	119	1376	56	3110	323	0.139	42.69	99.86
PAT 07 - 11	41803	10/4/2007	85.45	47.88	5.43	2.59	0.312	0.693	609	86	5.90	143	2434	84	8281	528	0.244	40.47	99.31
PAT 07 - 11	41804	10/4/2007	84.62	47.41	5.40	2.58	0.422	1.005	613	80	5.69	190	3837	114	2242	767	0.409	40.85	99.16
PAT 07 - 11	41805	10/4/2007	71.91	40.29	7.94	3.80	0.688	1.665	623	157	11.81	251	6402	220	19689	1368	0.647	35.82	97.59
PAT 07 - 11	41806	10/4/2007	68.30	38.27	4.77	2.28	0.810	1.416	668	524	17.17	243	5084	188	23221	1099	0.530	31.41	94.99
PAT 07 - 11	41807	10/4/2007	78.49	43.98	5.56	2.66	0.612	1.381	762	203	9.46	333	5169	182	14255	1091	0.555	36.82	97.66
PAT 07 - 11	41808	10/4/2007	68.03	38.11	14.51	6.93	0.623	1.725	550	160	10.36	306	6827	229	3396	1248	0.545	37.92	97.49
PAT 07 - 11	41809	10/4/2007	79.38	44.47	11.06	5.28	0.381	1.062	563	123	5.56	201	3612	140	1896	742	0.285	41.20	98.98
PAT 07 - 11	41810	10/4/2007	62.37	34.95	21.67	10.36	0.712	2.132	511	221	8.09	347	7315	196	4750	1566	0.625	39.47	97.82
PAT 07 - 11	41811	10/4/2007	85.80	48.07	5.02	2.40	0.313	0.835	733	97	5.19	237	3180	95	2060	605	0.285	40.83	98.62
PAT 07 - 11	41812	10/4/2007	82.21	46.06	7.53	3.60	0.384	1.191	645	93	5.33	223	4358	114	1928	691	0.377	40.72	98.47
PAT 07 - 11	41813	10/4/2007	55.49	31.09	14.35	6.86	1.291	2.987	456	234	14.82	452	11853	245	3357	2751	1.240	33.75	93.97
PAT 07 - 11	41814	10/4/2007	89.84	50.34	6.97	3.33	0.186	0.291	535	122	2.16	102	597	37	1318	268	0.118	42.99	99.71
PAT 07 - 11	41815	10/4/2007	82.10	46.00	15.71	7.51	0.138	0.241	444	169	1.39	69	572	70	736	170	0.070	44.48	100.05
PAT 07 - 11	41816	10/4/2007	94.22	52.79	3.30	1.58	0.128	0.212	566	109	1.47	141	516	48	1358	167	0.073	43.23	99.77
PAT 07 - 11	41817	10/4/2007	94.99	53.22	2.46	1.18	0.162	0.265	516	90	1.21	114	728	52	1836	218	0.110	43.08	99.59
PAT 07 - 11	41818	10/4/2007	86.82	48.65	9.36	4.47	0.230	0.319	456	110	2.11	155	996	55	2897	251	0.130	43.19	99.59
PAT 07 - 11	41819	10/4/2007	87.59	49.08	8.59	4.11	0.220	0.291	478	123	2.23	345	763	88	2429	217	0.110	43.18	99.66
PAT 07 - 11	41820	10/4/2007	27.29	15.29	13.82	6.60	2.516	3.620	281	600	17.53	1583	13403	2769	3944	3880	1.980	23.45	73.64
PAT 07 - 11	27676	10/4/2007	98.46	55.16	0.73	0.35	0.043	0.035	463	40	0.44	58	116	91	326	19	0.000	43.62	99.76
PAT 07 - 11	27677	10/4/2007	93.02	52.12	4.62	2.21	0.097	0.107	426	47	1.20	57	347	59	6916	74	0.024	43.17	99.72

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Sample	Sample Date	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total
PAT 07 - 12 41821	10/10/2007	98.45	55.16	0.81	0.39	0.044	0.076	483	42	0.31	75	214	54	903	51	0.007	43.66	99.83
PAT 07 - 12 41822	10/10/2007	97.80	54.80	1.27	0.61	0.048	0.102	478	37	0.29	73	313	58	2253	64	0.003	43.51	99.68
PAT 07 - 12 41823	10/10/2007	97.12	54.42	0.81	0.39	0.088	0.132	503	35	0.36	82	393	63	4646	109	0.008	43.45	99.42
PAT 07 - 12 41824	10/10/2007	98.82	55.37	0.63	0.30	0.036	0.073	457	36	0.05	55	78	66	879	28	0.002	43.69	99.68
PAT 07 - 12 41825	10/10/2007	98.79	55.35	0.77	0.37	0.057	0.029	474	37	0.05	55	88	81	957	14	0.004	43.62	99.65
PAT 07 - 12 41826	10/10/2007	87.44	48.99	9.44	4.51	0.178	0.405	463	49	0.93	119	1131	96	12857	313	0.013	43.39	99.93
PAT 07 - 12 41827	10/10/2007	98.07	54.95	1.12	0.53	0.036	0.047	474	34	0.20	66	150	85	1694	36	0.003	43.57	99.59
PAT 07 - 12 41828	10/10/2007	98.76	55.33	0.64	0.31	0.031	0.043	471	33	0.12	63	143	54	1801	36	0.003	43.57	99.67
PAT 07 - 12 41829	10/10/2007	98.47	55.17	0.56	0.27	0.032	0.053	431	34	0.16	56	166	52	3937	41	0.004	43.32	99.48
PAT 07 - 12 41830	10/10/2007	98.80	55.36	0.61	0.29	0.031	0.040	435	32	0.13	55	114	58	1416	27	0.002	43.47	99.53
PAT 07 - 12 41831	10/10/2007	98.50	55.19	0.67	0.32	0.061	0.060	449	38	0.30	65	150	46	1454	25	0.000	43.45	99.60
PAT 07 - 12 41832	10/10/2007	77.45	43.39	19.20	9.18	0.194	0.493	447	55	1.11	128	1399	146	4640	325	0.035	44.41	99.53
PAT 07 - 12 41833	10/10/2007	97.67	54.72	1.28	0.61	0.041	0.045	460	37	0.26	78	139	63	333	29	0.006	43.21	99.01
PAT 07 - 12 41834	10/10/2007	98.20	55.02	1.28	0.61	0.041	0.048	488	35	0.19	77	128	57	508	25	0.009	43.29	99.34
PAT 07 - 12 41835	10/10/2007	98.48	55.18	0.95	0.45	0.038	0.039	481	33	0.22	80	122	53	495	24	0.007	43.41	99.47
PAT 07 - 12 41836	10/10/2007	93.70	52.50	4.11	1.96	0.129	0.259	479	39	0.72	109	746	86	2538	170	0.033	43.51	99.53
PAT 07 - 12 41837	10/10/2007	97.40	54.57	1.40	0.67	0.098	0.156	468	48	0.63	83	215	76	906	52	0.024	43.42	99.76
PAT 07 - 12 41838	10/10/2007	95.61	53.57	2.45	1.17	0.180	0.230	456	45	0.84	100	502	70	1625	116	0.032	44.03	100.35
PAT 07 - 12 41839	10/10/2007	96.43	54.03	2.37	1.13	0.212	0.104	478	66	0.39	99	295	67	1121	78	0.020	43.59	99.69
PAT 07 - 12 41840	10/10/2007	97.60	54.68	1.21	0.58	0.103	0.124	499	38	0.58	92	369	75	1173	87	0.026	43.53	99.86
PAT 07 - 12 41841	10/10/2007	98.21	55.03	0.88	0.42	0.133	0.083	493	40	0.36	79	245	60	1105	61	0.018	43.56	99.81
PAT 07 - 12 41842	10/10/2007	98.65	55.27	0.70	0.33	0.045	0.044	509	35	0.29	74	80	89	147	13	0.009	43.22	99.31
PAT 07 - 12 41843	10/10/2007	98.60	55.24	0.74	0.35	0.058	0.036	498	36	0.27	70	138	96	335	15	0.005	43.26	99.34
PAT 07 - 12 41844	10/10/2007	98.61	55.25	0.83	0.40	0.072	0.073	477	44	0.12	70	105	52	522	30	0.014	43.56	99.62
PAT 07 - 12 41845	10/10/2007	97.54	54.65	0.70	0.34	0.094	0.029	470	60	0.17	70	70	43	1905	27	0.008	43.52	99.07
PAT 07 - 12 41846	10/10/2007	98.40	55.13	0.63	0.30	0.077	0.028	480	48	0.11	62	61	54	486	6	0.004	43.45	99.22
PAT 07 - 12 41847	10/10/2007	97.71	54.75	0.61	0.29	0.075	0.038	439	50	0.13	80	97	46	800	19	0.010	43.41	98.86
PAT 07 - 12 41848	10/10/2007	98.74	55.32	0.69	0.33	0.045	0.019	461	45	0.25	70	59	87	382	17	0.008	43.45	99.54
PAT 07 - 12 41849	10/10/2007	97.67	54.72	1.14	0.55	0.117	0.341	418	45	0.16	60	101	63	2712	28	0.011	43.40	99.64
PAT 07 - 12 41850	10/10/2007	97.66	54.72	1.69	0.81	0.064	0.050	382	27	0.18	59	134	46	1870	40	0.018	43.54	99.63
PAT 07 - 12 41851	10/10/2007	97.03	54.36	2.07	0.99	0.071	0.040	345	34	0.29	47	120	89	2121	32	0.018	43.54	99.60
PAT 07 - 12 41852	10/10/2007	95.53	53.53	3.34	1.60	0.088	0.027	324	38	0.22	45	72	65	806	16	0.005	43.54	99.14
PAT 07 - 12 41853	10/10/2007	87.95	49.28	10.50	5.02	0.067	0.077	325	37	0.52	61	231	113	2815	60	0.022	44.07	99.41
PAT 07 - 12 41854	10/10/2007	84.64	47.42	14.00	6.69	0.117	0.149	364	46	0.74	81	416	121	1270	115	0.022	44.27	99.66
PAT 07 - 12 41855	10/10/2007	87.65	49.11	7.51	3.59	0.381	0.807	442	59	2.31	128	2285	123	3457	569	0.209	42.67	99.79
PAT 07 - 12 41856	10/10/2007	98.15	54.99	1.06	0.51	0.064	0.037	393	34	0.27	43	123	56	660	22	0.013	43.41	99.43
PAT 07 - 12 41857	10/10/2007	98.20	55.02	0.87	0.42	0.053	0.021	419	36	0.16	50	93	51	<100	26	0.002	43.18	98.92
PAT 07 - 12 41858	10/10/2007	98.41	55.14	0.75	0.36	0.048	0.013	447	36	0.52	49	56	67	<100	11	0.003	42.98	99.13
PAT 07 - 12 41859	10/10/2007	98.20	55.02	0.86	0.41	0.057	0.018	451	36	0.64	57	59	48	<100	16	0.008	43.03	99.25
PAT 07 - 12 41860	10/10/2007	93.61	52.45	2.27	1.09	0.094	0.145	473	57	3.02	80	366	55	<100	87	0.037	42.48	99.42
PAT 07 - 12 41861	10/10/2007	70.64	39.58	21.49	10.27	0.735	1.490	420	85	3.73	229	4198	165	4409	1203	0.504	42.23	99.62
PAT 07 - 12 41862	10/10/2007	92.58	51.87	5.86	2.80	0.091	0.106	509	35	0.26	89	289	72	1613	72	0.021	44.12	99.54
PAT 07 - 12 41863	10/10/2007	95.07	53.27	3.46	1.66	0.081	0.106	470	32	0.23	85	253	39	1238	78	0.024	43.98	99.57
PAT 07 - 12 41864	10/10/2007	84.50	47.35	12.84	6.14	0.137	0.281	402	41	0.60	91	773	97	13766	210	0.062	43.78	99.88
PAT 07 - 12 41865	10/10/2007	86.36	48.39	12.01	5.74	0.095	0.152	351	36	0.39	67	444	84	3558	104	0.020	44.27	99.52
PAT 07 - 12 41866	10/10/2007	90.30	50.60	8.54	4.08	0.101	0.169	341	38	0.38	62	473	64	1805	118	0.006	43.86	99.49
PAT 07 - 12 41867	10/10/2007	94.74	53.08	4.08	1.95	0.088	0.179	413	37	0.46	61	534	65	1859	116	0.023	43.69	99.78
PAT 07 - 12 41868	10/10/2007	83.67	46.88	10.51	5.02	0.587	1.160	426	58	2.34	178	3365	121	2881	879	0.418	42.73	99.93
PAT 07 - 12 41869	10/10/2007	91.33	51.17	6.12	2.93	0.175	0.376	444	44	0.88	82	1075	78	1560	218	0.091	43.71	99.68
PAT 07 - 12 41870	10/10/2007	83.57	46.83	14.15	6.76	0.192	0.341	429	50	0.81	105	964	101	2699	243	0.071	44.49	99.96
PAT 07 - 12 41871	10/10/2007	74.14	41.54	12.03	5.75	0.985	1.966	399	121	8.10	186	6193	224	2342	1595	0.799	39.69	99.94
PAT 07 - 12 41872	10/10/2007	87.76	49.17	10.82	5.17	0.118	0.240	379	47	0.63	65	654	90	1015	176	0.065	44.46	100.10
PAT 07 - 12 41873	10/10/2007	88.95	49.84	5.85	2.80	0.307	0.631	490	53	2.42	119	1898	96	3816	476	0.232	42.75	99.67
PAT 07 - 12 41874	10/10/2007	94.58	52.99	3.93	1.88	0.059	0.091	482	35	0.34	60	255	72	2855	74	0.031	43.98	99.76
PAT 07 - 12 41875	10/10/2007	82.77	46.38	7.93	3.79	0.606	1.332	585	98	5.32	173	4015	127	5448	1025	0.462	41.14	100.17

PAT 07 - 12	41876	10/10/2007	88.99	49.86	4.53	2.16	0.387	0.771	626	80	3.44	133	2280	99	6518	636	0.327	41.99	99.97
PAT 07 - 12	41877	10/10/2007	95.27	53.38	2.19	1.05	0.079	0.143	658	38	0.95	71	389	87	2621	95	0.057	43.34	99.39
PAT 07 - 12	41878	10/10/2007	88.55	49.62	7.09	3.39	0.211	0.404	586	48	1.83	101	1113	117	5630	286	0.141	43.11	99.49
PAT 07 - 12	41879	10/10/2007	86.95	48.72	9.69	4.63	0.207	0.415	488	49	1.26	97	1120	92	4825	276	0.114	43.77	99.81
PAT 07 - 12	41880	10/10/2007	92.66	51.91	5.84	2.79	0.089	0.146	480	31	0.34	97	401	52	3234	125	0.047	44.02	99.80
PAT 07 - 12	41881	10/10/2007	87.38	48.96	8.13	3.89	0.267	0.508	581	63	1.71	152	1325	73	9069	384	0.143	43.06	99.70
PAT 07 - 12	41882	10/10/2007	79.64	44.62	6.75	3.23	0.646	1.486	604	141	8.24	241	4161	162	12614	1062	0.518	38.93	99.57
PAT 07 - 12	41883	10/10/2007	91.38	51.20	1.47	0.70	0.154	0.243	625	78	5.16	118	665	63	5768	183	0.071	41.05	99.33
PAT 07 - 12	41884	10/10/2007	78.80	44.15	4.39	2.10	0.881	1.827	711	129	9.69	392	5585	197	17687	1472	0.740	37.21	99.21
PAT 07 - 12	41885	10/10/2007	76.96	43.12	8.77	4.19	0.703	1.601	673	133	8.43	315	4736	154	13986	1209	0.523	39.18	99.87
PAT 07 - 12	41886	10/10/2007	82.67	46.32	14.26	6.82	0.211	0.370	439	74	1.67	118	1094	81	3193	262	0.088	43.96	99.96
PAT 07 - 12	41887	10/10/2007	89.73	50.27	8.44	4.03	0.137	0.213	409	64	0.92	94	604	77	1617	138	0.034	43.90	99.81
PAT 07 - 12	41888	10/10/2007	98.39	55.13	1.04	0.50	0.051	0.029	373	48	0.26	57	111	40	<100	14	0.003	43.45	99.48
PAT 07 - 12	41889	10/10/2007	98.20	55.02	0.76	0.36	0.073	0.025	348	51	0.20	51	110	48	211	14	0.003	43.63	99.40
PAT 07 - 12	41890	10/10/2007	82.82	46.41	12.43	5.94	0.357	0.743	371	81	1.64	158	1929	116	6110	536	0.039	43.69	99.74
PAT 07 - 12	41891	10/10/2007	96.83	54.26	1.34	0.64	0.104	0.177	332	41	0.74	74	541	66	4643	84	0.000	43.21	99.70
PAT 07 - 12	41892	10/10/2007	95.21	53.34	3.02	1.44	0.093	0.181	348	36	0.46	65	504	66	7329	101	0.011	43.19	99.57
PAT 07 - 12	41893	10/10/2007	93.44	52.36	3.35	1.60	0.253	0.524	422	47	1.19	106	1491	86	5417	329	0.079	43.03	99.82
PAT 07 - 12	41894	10/10/2007	96.38	54.00	2.81	1.34	0.110	0.078	340	44	0.26	49	204	67	1572	40	0.002	43.37	99.40
PAT 07 - 12	41895	10/10/2007	90.02	50.44	2.36	1.13	0.368	0.896	451	49	3.63	217	3096	135	4902	599	0.217	41.48	99.10
PAT 07 - 12	41896	10/10/2007	96.69	54.17	2.01	0.96	0.111	0.116	461	38	0.41	81	364	48	748	90	0.040	43.55	99.55
PAT 07 - 12	41897	10/10/2007	96.07	53.83	2.22	1.06	0.136	0.180	552	39	0.58	102	520	49	881	106	0.062	43.46	99.53
PAT 07 - 12	41898	10/10/2007	95.76	53.65	2.50	1.20	0.116	0.147	533	36	0.43	86	417	50	998	92	0.040	43.83	99.63
PAT 07 - 12	41899	10/10/2007	94.37	52.87	3.17	1.52	0.095	0.181	541	35	1.32	87	540	83	1679	103	0.044	43.40	99.74
PAT 07 - 12	41900	10/10/2007	94.84	53.14	3.06	1.46	0.074	0.088	489	29	0.67	74	299	79	1142	58	0.022	43.78	99.45
PAT 07 - 12	41901	10/10/2007	88.86	49.79	8.13	3.89	0.153	0.362	617	39	1.68	99	1022	92	687	233	0.072	43.61	99.83
PAT 07 - 12	41902	10/10/2007	94.59	53.00	3.02	1.44	0.112	0.227	522	42	1.16	79	565	79	1724	131	0.049	43.47	99.78
PAT 07 - 12	41903	10/10/2007	88.90	49.81	4.17	2.00	0.274	0.730	634	54	4.05	161	1940	78	11063	450	0.191	41.43	99.92
PAT 07 - 12	41904	10/10/2007	91.27	51.14	5.68	2.71	0.121	0.189	482	36	1.13	88	521	64	5525	118	0.041	43.48	99.49
PAT 07 - 12	41905	10/10/2007	83.60	46.84	11.37	5.44	0.217	0.608	523	49	2.43	123	1740	120	8840	362	0.142	42.96	99.81
PAT 07 - 12	41806	10/10/2007	92.24	51.68	4.50	2.15	0.107	0.240	608	33	1.41	94	682	75	8431	123	0.047	43.04	99.68
PAT 07 - 12	41907	10/10/2007	83.45	46.75	6.05	2.89	0.561	1.278	634	65	5.18	217	4204	155	12786	937	0.480	40.27	99.32
PAT 07 - 12	41908	10/10/2007	91.94	51.51	3.78	1.81	0.162	0.395	623	47	2.77	119	1170	80	3154	232	0.103	42.48	99.77
PAT 07 - 12	41909	10/10/2007	92.65	51.91	5.17	2.47	0.077	0.129	440	33	0.40	86	367	63	1950	86	0.035	43.88	99.21
PAT 07 - 12	41910	10/10/2007	89.59	50.20	8.58	4.10	0.110	0.236	468	34	0.88	111	683	80	2840	146	0.049	43.87	99.88
PAT 07 - 12	41911	10/10/2007	90.31	50.60	8.20	3.92	0.079	0.120	426	36	0.38	86	286	85	3867	66	0.028	44.07	99.68
PAT 07 - 12	41912	10/10/2007	82.47	46.21	6.99	3.34	0.487	1.415	518	69	5.85	269	4265	219	2890	944	0.387	40.27	98.88
PAT 07 - 12	41913	10/10/2007	90.35	50.62	8.08	3.86	0.085	0.112	508	49	0.54	96	294	86	2079	68	0.024	44.06	99.63
PAT 07 - 12	41914	10/10/2007	80.84	45.29	5.94	2.84	0.550	1.551	652	104	8.11	244	4857	209	7784	1208	0.423	38.51	98.78
PAT 07 - 12	41915	10/10/2007	74.51	41.75	8.19	3.91	0.777	2.095	567	136	10.07	237	6593	249	6620	1658	0.547	37.45	98.20
PAT 07 - 12	41916	10/10/2007	84.96	47.60	8.18	3.91	0.377	1.137	482	85	3.40	110	3415	155	10615	761	0.258	41.50	99.75
PAT 07 - 12	41917	10/10/2007	92.19	51.65	5.01	2.39	0.177	0.270	501	59	1.12	93	671	70	5378	171	0.075	43.26	99.64
PAT 07 - 12	41918	10/10/2007	68.61	38.44	10.45	5.00	1.250	3.469	468	88	7.97	497	10370	257	34532	2425	1.260	35.75	98.00
PAT 07 - 12	41919	10/10/2007	97.82	54.81	1.21	0.58	0.055	0.065	462	33	0.37	72	203	71	2382	47	0.019	43.56	99.78
PAT 07 - 12	41920	10/10/2007	97.60	54.68	1.62	0.78	0.051	0.093	518	32	0.31	86	206	46	1114	58	0.253	43.76	100.14
PAT 07 - 12	41921	10/10/2007	79.23	44.39	8.52	4.07	0.477	1.139	629	122	8.03	178	3769	169	9729	807	0.394	39.13	99.18
PAT 07 - 12	41922	10/10/2007	72.36	40.54	10.64	5.09	0.603	1.370	564	190	11.41	197	4516	179	11093	991	0.455	36.86	98.10
PAT 07 - 12	41923	10/10/2007	96.88	54.28	1.46	0.70	0.060	0.077	495	42	0.80	64	217	50	2278	39	0.028	43.56	99.82
PAT 07 - 12	41924	10/10/2007	79.89	44.76	8.19	3.91	0.495	1.316	464	72	6.54	207	4070	193	11499	821	0.455	39.69	98.90
PAT 07 - 12	41925	10/10/2007	95.64	53.59	2.90	1.39	0.056	0.062	376	39	0.89	67	172	107	1203	29	0.024	43.78	99.98
PAT 07 - 12	41926	10/10/2007	90.33	50.61	7.19	3.44	0.048	0.229	355	50	0.62	60	112	67	1134	33	0.022	44.25	99.39
PAT 07 - 12	41927	10/10/2007	88.87	49.79	9.31	4.45	0.049	0.093	414	43	0.46	89	204	67	615	64	0.046	44.75	99.79
PAT 07 - 12	41928	10/10/2007	89.09	49.92	9.21	4.40	0.059	0.104	394	47	0.49	67	172	100	3445	70	0.037	44.31	99.75

10/Can Geo/Stone

Sample	Sample Date	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total	
PAT 07 - 13	41929	10/13/2007	95.36	53.43	3.18	1.52	0.087	0.195	1052	26	0.46	85	407	60	998	146	0.019	43.79	99.78
PAT 07 - 13	41930	10/13/2007	94.62	53.01	4.30	2.06	0.080	0.137	927	25	0.38	76	313	73	1436	100	0.020	43.98	99.96
PAT 07 - 13	41931	10/13/2007	91.44	51.23	6.78	3.24	0.094	0.290	949	40	0.85	95	711	122	1770	212	0.029	44.02	100.14
PAT 07 - 13	41932	10/13/2007	89.41	50.10	9.02	4.31	0.093	0.265	898	47	0.68	91	685	115	1521	210	0.030	44.22	100.05
PAT 07 - 13	41933	10/13/2007	93.71	52.51	4.90	2.34	0.083	0.249	867	31	0.60	78	661	90	1110	187	0.026	43.82	99.93
PAT 07 - 13	41934	10/13/2007	96.38	54.00	2.69	1.29	0.077	0.143	816	25	0.34	57	369	64	807	121	0.020	43.64	99.73
PAT 07 - 13	41935	10/13/2007	97.34	54.54	1.95	0.93	0.042	0.098	830	17	0.17	43	161	62	616	50	0.013	43.42	99.39
PAT 07 - 13	41936	10/13/2007	93.27	52.26	4.97	2.38	0.086	0.206	767	29	0.70	89	545	77	1014	185	0.024	43.75	99.68
PAT 07 - 13	41937	10/13/2007	88.47	49.57	7.77	3.71	0.156	0.554	877	52	1.96	120	1448	103	2592	415	0.056	43.17	99.74
PAT 07 - 13	41938	10/13/2007	87.29	48.91	9.45	4.52	0.128	0.489	833	62	1.84	101	1244	126	2060	335	0.046	43.69	100.10
PAT 07 - 13	41939	10/13/2007	96.01	53.80	2.58	1.23	0.085	0.178	842	27	0.45	64	473	75	1561	121	0.022	43.78	99.86
PAT 07 - 13	41940	10/13/2007	95.74	53.64	3.11	1.49	0.085	0.110	811	18	0.26	51	252	71	870	74	0.017	43.90	99.71
PAT 07 - 13	41941	10/13/2007	96.87	54.28	2.26	1.08	0.081	0.140	880	20	0.29	57	254	82	876	72	0.014	43.86	99.97
PAT 07 - 13	41942	10/13/2007	93.63	52.46	4.96	2.37	0.115	0.096	667	25	0.25	50	241	77	1071	63	0.019	44.02	99.56
PAT 07 - 13	41943	10/13/2007	95.82	53.69	3.17	1.51	0.061	0.125	794	20	0.48	56	190	88	810	58	0.014	43.78	99.86
PAT 07 - 13	41944	10/13/2007	96.28	53.94	2.63	1.26	0.089	0.077	979	19	0.19	80	190	42	1296	57	0.013	43.71	99.54
PAT 07 - 13	41945	10/13/2007	95.99	53.78	3.30	1.58	0.083	0.078	792	20	0.26	69	164	60	699	45	0.010	43.72	99.70
PAT 07 - 13	41946	10/13/2007	95.18	53.33	3.89	1.86	0.067	0.122	866	21	0.44	72	335	76	570	82	0.023	43.86	99.90
PAT 07 - 13	41947	10/13/2007	96.98	54.33	1.61	0.77	0.059	0.091	852	14	0.28	62	246	61	725	70	0.016	43.75	99.50
PAT 07 - 13	41948	10/13/2007	95.68	53.61	3.06	1.46	0.107	0.180	952	24	0.44	85	427	61	1112	178	0.023	43.84	99.94
PAT 07 - 13	41949	10/13/2007	90.50	50.71	6.85	3.27	0.169	0.305	1203	44	0.71	124	804	67	809	314	0.047	44.07	99.61
PAT 07 - 13	41950	10/13/2007	93.34	52.30	4.72	2.26	0.134	0.311	1012	30	0.76	98	829	69	1403	265	0.045	43.71	99.88
PAT 07 - 13	41951	10/13/2007	96.73	54.20	2.12	1.01	0.115	0.125	984	22	0.53	101	327	53	812	110	0.018	43.73	99.97
PAT 07 - 13	41952	10/13/2007	97.35	54.54	1.75	0.84	0.102	0.087	865	22	0.34	68	225	74	1060	45	0.019	43.68	99.84
PAT 07 - 13	41953	10/13/2007	95.14	53.30	3.08	1.47	0.097	0.144	862	20	0.72	68	372	99	1299	95	0.031	43.71	99.76
PAT 07 - 13	41954	10/13/2007	95.25	53.37	3.02	1.45	0.084	0.179	889	24	0.57	92	384	62	951	117	0.031	43.70	99.62
PAT 07 - 13	41955	10/13/2007	90.39	50.65	7.63	3.65	0.247	0.320	928	60	0.86	103	778	100	1000	220	0.056	43.88	99.97
PAT 07 - 13	41956	10/13/2007	93.19	52.22	4.85	2.32	0.128	0.326	1181	37	0.89	137	637	92	1293	234	0.053	43.72	100.02
PAT 07 - 13	41957	10/13/2007	81.60	45.72	7.71	3.69	0.428	1.101	1283	211	7.06	220	2767	128	2001	794	0.228	39.45	98.41
PAT 07 - 13	41958	10/13/2007	94.33	52.85	3.85	1.84	0.116	0.278	1163	38	0.93	99	329	75	1286	207	0.048	43.48	99.86
PAT 07 - 13	41959	10/13/2007	93.49	52.38	4.91	2.35	0.129	0.262	1030	34	0.69	117	87	45	913	220	0.005	43.32	99.38
PAT 07 - 13	41960	10/13/2007	89.27	50.02	6.97	3.33	0.136	0.423	1136	48	2.10	114	1055	72	1633	506	0.075	43.17	99.71
PAT 07 - 13	41961	10/13/2007	92.62	51.89	4.07	1.94	0.105	0.266	1287	42	1.70	126	628	63	1244	176	0.039	43.27	99.57
PAT 07 - 13	41962	10/13/2007	83.24	46.64	7.11	3.40	0.323	0.978	1044	145	5.63	155	2438	109	2034	769	0.215	40.48	98.33
PAT 07 - 13	41963	10/13/2007	84.85	47.54	4.14	1.98	0.305	0.923	1421	144	7.19	163	2770	123	1633	701	0.199	39.71	98.54
PAT 07 - 13	41964	10/13/2007	87.66	49.12	3.75	1.79	0.274	0.765	1902	97	5.56	144	2203	92	1467	521	0.198	40.82	99.17
PAT 07 - 13	41965	10/13/2007	84.81	47.52	3.57	1.71	0.300	0.724	2666	140	7.22	184	2041	142	1631	444	0.305	40.27	98.77
PAT 07 - 13	41966	10/13/2007	89.93	50.38	2.40	1.15	0.254	0.405	2342	199	5.12	115	999	128	1235	212	0.125	40.74	98.70
PAT 07 - 13	41967	10/13/2007	78.00	43.70	2.96	1.41	0.605	0.642	1869	657	12.07	133	1764	130	1655	394	0.217	36.25	95.56
PAT 07 - 13	41968	10/13/2007	87.99	49.30	2.91	1.39	0.199	0.436	2343	121	5.67	116	1281	132	1017	275	0.134	40.68	98.34
PAT 07 - 13	41969	10/13/2007	65.90	36.92	8.28	3.96	0.786	2.487	1882	362	13.39	326	7411	429	1950	1542	0.602	33.38	92.92
PAT 07 - 13	41970	10/13/2007	90.10	50.48	3.44	1.64	0.223	0.568	2510	87	3.72	153	1708	166	1361	357	0.226	41.97	99.47
PAT 07 - 13	41971	10/13/2007	86.69	48.57	3.89	1.86	0.315	0.694	2400	148	5.34	196	2099	165	1994	502	0.277	40.64	98.44
PAT 07 - 13	41972	10/13/2007	85.87	48.11	3.79	1.81	0.338	0.816	2481	152	7.03	234	2309	206	2264	553	0.291	39.81	99.03
PAT 07 - 13	41973	10/13/2007	75.22	42.14	5.43	2.59	0.545	1.285	2674	405	12.72	330	3841	271	2743	935	0.376	36.29	97.07
PAT 07 - 13	41974	10/13/2007	69.69	39.05	5.52	2.64	0.760	1.947	3184	347	15.07	618	5828	286	3124	1266	0.676	34.42	96.03
PAT 07 - 13	41975	10/13/2007	65.12	36.48	6.29	3.01	1.005	2.591	2465	397	15.74	617	7620	608	3222	1572	0.938	33.21	94.63
PAT 07 - 13	41976	10/13/2007	64.47	36.12	5.70	2.73	0.950	2.236	2809	561	18.03	624	6345	332	3075	1383	0.764	32.83	95.17
PAT 07 - 13	41977	10/13/2007	79.64	44.62	4.43	2.12	0.597	1.248	2508	216	10.05	524	3392	216	3355	770	0.418	38.09	98.24
PAT 07 - 13	41978	10/13/2007	82.42	46.18	5.21	2.49	0.418	0.906	1807	232	8.33	256	2521	180	2539	556	0.320	39.86	99.31
PAT 07 - 13	41979	10/13/2007	74.43	41.70	3.61	1.73	0.643	1.095	1786	476	14.19	449	3092	207	4470	701	0.427	35.36	96.26
PAT 07 - 13	41980	10/13/2007	79.30	44.43	3.32	1.59	0.480	1.193	1850	225	11.27	273	3513	222	4385	823	0.388	36.87	97.35
PAT 07 - 13	41981	10/13/2007	82.15	46.03	5.28	2.52	0.507	1.063	1521	359	8.04	278	3203	239	1998	798	0.387	38.67	98.05
PAT 07 - 13	41982	10/13/2007	69.91	39.17	7.99	3.82	0.770	1.855	1277	443	12.70	434	5431	293	1922	1478	0.544	35.09	95.08
PAT 07 - 13	41983	10/13/2007	75.26	42.17	4.11	1.96	0.845	1.247	1457	729	11.14	559	3667	242	3970	844	0.420	35.70	94.63

PAT 07 - 13	41984	10/13/2007	89.64	50.23	4.30	2.05	0.296	0.669	1287	95	4.12	183	1753	111	2089	443	0.230	41.53	99.72
PAT 07 - 13	41985	10/13/2007	94.41	52.90	2.62	1.25	0.155	0.194	1056	57	1.83	95	515	96	826	147	0.071	43.08	99.77
PAT 07 - 13	41986	10/13/2007	93.27	52.26	1.73	0.82	0.217	0.342	1960	64	3.17	95	907	103	1643	179	0.114	42.01	99.43
PAT 07 - 13	41987	10/13/2007	76.00	42.58	3.41	1.63	0.996	1.121	1537	921	12.25	212	3347	189	2521	693	0.453	36.00	95.97
PAT 07 - 13	41988	10/13/2007	91.26	51.13	1.67	0.80	0.286	0.466	1447	145	4.95	226	1337	77	3707	276	0.164	41.02	99.53
PAT 07 - 13	41989	10/13/2007	89.78	50.30	2.62	1.25	0.294	0.811	1228	126	4.67	174	2335	136	1992	425	0.216	41.05	99.24
PAT 07 - 13	41990	10/13/2007	92.99	52.10	2.05	0.98	0.182	0.392	1386	78	2.97	124	1091	112	2119	250	0.122	42.40	99.67
PAT 07 - 13	41991	10/13/2007	79.26	44.41	4.55	2.18	0.665	1.201	1266	457	9.12	200	3743	177	4851	807	0.420	37.83	96.96
PAT 07 - 13	41992	10/13/2007	70.21	39.34	10.10	4.83	0.809	1.748	968	552	11.52	273	5471	183	3379	1341	0.514	36.28	96.25
PAT 07 - 13	41993	10/13/2007	93.52	52.40	2.89	1.38	0.204	0.412	923	55	2.17	176	1140	53	1763	289	0.120	43.09	100.22
PAT 07 - 13	41994	10/13/2007	94.67	53.04	3.12	1.49	0.103	0.198	659	24	0.57	133	484	41	4659	147	0.062	43.57	99.65
PAT 07 - 13	41995	10/13/2007	96.77	54.22	1.35	0.65	0.047	0.044	553	19	0.51	98	214	57	619	27	0.046	44.19	99.86
PAT 07 - 13	41996	10/13/2007	94.55	52.97	3.13	1.50	0.118	0.227	800	25	0.71	119	584	50	1957	146	0.065	43.65	99.61
PAT 07 - 13	41997	10/13/2007	93.08	52.15	4.91	2.34	0.125	0.294	792	26	0.92	109	752	67	3392	212	0.066	43.59	100.02
PAT 07 - 13	41998	10/13/2007	93.92	52.62	4.15	1.98	0.207	0.251	794	39	0.83	105	643	59	2822	195	0.055	43.58	100.00
PAT 07 - 13	41999	10/13/2007	92.33	51.73	5.03	2.40	0.132	0.331	881	27	1.03	147	842	57	3284	278	0.072	43.56	99.81
PAT 07 - 13	42000	10/13/2007	94.66	53.04	3.66	1.75	0.112	0.254	790	22	0.73	205	675	50	2684	214	0.072	43.87	100.29
PAT 07 - 13	42001	10/13/2007	93.91	52.62	4.35	2.08	0.098	0.163	646	24	0.56	151	413	54	2515	136	0.053	44.04	100.01
PAT 07 - 13	42002	10/13/2007	98.40	55.13	1.01	0.48	0.036	0.050	460	15	0.14	90	140	38	1611	45	0.018	43.71	99.81
PAT 07 - 13	42003	10/13/2007	98.63	55.26	0.85	0.41	0.035	0.034	369	14	0.19	77	104	36	1030	26	0.011	43.66	99.76
PAT 07 - 13	42004	10/13/2007	92.92	52.06	4.39	2.10	0.114	0.237	558	29	0.53	175	620	54	7951	162	0.027	43.33	99.35
PAT 07 - 13	42005	10/13/2007	97.78	54.78	1.85	0.88	0.072	0.021	295	23	0.06	71	73	35	546	17	0.017	43.87	99.81
PAT 07 - 13	42006	10/13/2007	97.79	54.79	1.76	0.84	0.053	0.025	304	20	0.10	67	80	43	690	22	0.025	43.90	99.85
PAT 07 - 13	42007	10/13/2007	98.71	55.31	0.79	0.38	0.049	0.013	294	20	0.07	62	51	36	1586	25	0.017	43.66	99.70
PAT 07 - 13	42008	10/13/2007	98.53	55.20	1.11	0.53	0.055	0.016	273	22	0.04	61	50	37	511	2	0.007	43.64	99.59
PAT 07 - 13	42009	10/13/2007	97.98	54.89	1.22	0.58	0.046	0.022	271	19	0.05	70	79	34	823	10	0.016	43.75	99.50
PAT 07 - 13	42010	10/13/2007	97.97	54.89	1.51	0.72	0.032	0.017	298	19	0.20	71	72	51	1061	23	0.001	43.42	99.45
PAT 07 - 13	42011	10/13/2007	98.13	54.98	1.04	0.50	0.041	0.033	313	21	0.30	79	154	46	1792	27	0.002	43.56	99.65
PAT 07 - 13	42012	10/13/2007	99.02	55.48	0.58	0.28	0.031	0.011	297	20	0.00	65	49	40	1774	16	0.000	43.35	99.37
PAT 07 - 13	42013	10/13/2007	98.91	55.42	0.56	0.27	0.059	0.018	276	25	0.09	60	56	32	1127	56	0.000	43.49	99.50
PAT 07 - 13	42014	10/13/2007	98.35	55.11	0.85	0.41	0.064	0.026	341	34	0.34	119	83	50	694	29	0.002	43.43	99.51
PAT 07 - 13	42015	10/13/2007	96.62	54.13	2.95	1.41	0.031	0.027	404	30	0.06	101	76	24	760	86	0.003	43.69	99.50
PAT 07 - 13	42016	10/13/2007	89.70	50.26	8.72	4.17	0.107	0.111	532	33	0.41	111	187	68	2519	95	0.009	44.14	99.56
PAT 07 - 13	42017	10/13/2007	90.17	50.52	6.19	2.96	0.123	0.398	534	44	2.15	149	921	59	1997	222	0.023	43.06	99.62
PAT 07 - 13	42018	10/13/2007	96.13	53.86	2.83	1.35	0.074	0.095	572	93	0.17	100	141	31	1744	70	0.014	43.92	99.77
PAT 07 - 13	42019	10/13/2007	98.58	55.23	0.66	0.32	0.054	0.029	380	35	0.20	51	66	46	1098	25	0.012	43.93	99.94
PAT 07 - 13	42020	10/13/2007	98.47	55.17	0.63	0.30	0.046	0.029	364	32	0.21	45	80	20	1214	62	0.010	43.79	99.74
PAT 07 - 13	42021	10/13/2007	97.26	54.49	1.07	0.51	0.084	0.031	330	34	0.21	44	60	31	1782	24	0.013	43.92	99.49
PAT 07 - 13	42022	10/13/2007	96.68	54.17	2.49	1.19	0.079	0.049	381	48	0.17	45	62	34	2376	43	0.014	43.97	99.94
PAT 07 - 13	42023	10/13/2007	98.83	55.37	0.62	0.30	0.074	0.038	417	53	0.10	42	87	31	1149	37	0.008	43.71	99.78
PAT 07 - 13	42024	10/13/2007	98.89	55.41	0.70	0.34	0.043	0.014	361	29	0.21	35	67	53	602	14	0.010	43.83	99.97
PAT 07 - 13	42025	10/13/2007	98.87	55.40	0.64	0.31	0.037	0.008	344	21	0.01	41	46	26	843	13	0.008	43.84	99.74
PAT 07 - 13	42026	10/13/2007	98.77	55.34	0.57	0.27	0.042	0.008	357	23	0.12	39	38	35	572	6	0.009	43.97	99.87
PAT 07 - 13	42027	10/13/2007	98.81	55.36	0.56	0.27	0.024	0.008	328	17	0.02	43	36	22	586	11	0.009	43.92	99.71
PAT 07 - 13	42028	10/13/2007	98.56	55.22	0.70	0.33	0.035	0.012	388	19	0.06	34	50	38	361	4	0.012	43.89	99.65
PAT 07 - 13	42029	10/13/2007	98.60	55.25	0.62	0.30	0.022	0.016	365	17	0.05	38	45	24	681	65	0.011	43.88	99.65
PAT 07 - 13	42030	10/13/2007	99.05	55.49	0.59	0.28	0.020	0.013	318	17	0.02	40	58	34	653	14	0.002	43.64	99.59
PAT 07 - 13	42031	10/13/2007	99.05	55.50	0.58	0.28	0.026	0.007	315	16	0.08	49	43	37	336	6	0.002	43.79	99.76
PAT 07 - 13	42032	10/13/2007	99.16	55.56	0.57	0.27	0.034	0.009	363	17	0.01	47	36	26	324	10	0.000	43.76	99.73
PAT 07 - 13	42033	10/13/2007	98.91	55.42	0.55	0.26	0.033	0.030	384	18	0.14	50	101	30	838	22	0.001	43.72	99.75
PAT 07 - 13	42034	10/13/2007	98.52	55.20	0.55	0.26	0.052	0.019	344	21	0.08	48	60	31	1212	14	0.006	43.85	99.64
PAT 07 - 13	42035	10/13/2007	98.22	55.03	0.77	0.37	0.043	0.012	309	17	0.11	53	41	23	817	6	0.009	43.92	99.62
PAT 07 - 13	42036	10/13/2007	61.59	34.51	31.13	14.88	0.447	1.235	283	110	3.67	173	2961	174	723	904	0.184	43.75	99.21
PAT 07 - 13	42037	10/13/2007	84.74	47.48	13.36	6.39	0.107	0.164	363	69	0.97	83	377	61	411	88	0.018	44.32	99.59
PAT 07 - 13	42038	10/13/2007	55.60	31.15	38.22	18.27	0.373	0.999	317	114	3.07	163	2153	153	573	688	0.114	44.80	99.19
PAT 07 - 13	42039	10/13/2007	78.34	43.89	19.38	9.26	0.088	0.118	289	48	0.78	49	195	42	640	71	0.022	45.35	99.65
PAT 07 - 13	42040	10/13/2007	64.43	36.10	33.17	15.86	0.157	0.374	317	90	1.34	86	685	102	931	352	0.038	45.87	99.99
PAT 07 - 13	42041	10/13/2007	89.45	50.12	8.45	4.04	0.060	0.095	477	36	1.09	59	111	99	1648	44	0.012	43.81	99.47

PAT 07 - 13	42042	10/13/2007	98.61	55.25	0.94	0.45	0.048	0.011	455	22	0.08	63	<30	26	870	4	0.003	43.77	99.75
PAT 07 - 13	42043	10/13/2007	79.98	44.81	18.41	8.80	0.115	0.046	363	60	0.09	61	57	48	3309	29	0.000	44.91	99.17
PAT 07 - 13	42044	10/13/2007	96.65	54.15	2.50	1.20	0.082	0.030	576	25	0.39	51	72	31	1373	18	0.003	43.82	99.89
PAT 07 - 13	42045	10/13/2007	98.47	55.17	0.95	0.45	0.065	0.016	440	22	0.18	53	66	48	552	21	0.003	43.87	99.87
PAT 07 - 13	42046	10/13/2007	98.42	55.14	0.66	0.32	0.035	0.011	360	17	0.03	39	34	27	243	11	0.011	44.14	99.76
PAT 07 - 13	42047	10/13/2007	98.70	55.30	0.64	0.31	0.041	0.046	328	18	0.12	36	133	32	198	45	0.001	43.69	99.58
PAT 07 - 13	42048	10/13/2007	97.46	54.60	0.88	0.42	0.034	0.367	375	19	0.94	55	281	47	596	86	0.001	43.50	100.01
PAT 07 - 13	42049	10/13/2007	98.72	55.31	0.62	0.29	0.028	0.029	319	16	0.22	36	96	48	325	28	0.001	43.34	99.31
PAT 07 - 13	42050	10/13/2007	99.22	55.59	0.56	0.27	0.024	0.020	306	15	0.03	30	52	32	<100	20	0.000	43.34	99.32
PAT 07 - 13	42051	10/13/2007	98.88	55.40	0.59	0.28	0.034	0.017	314	16	0.26	30	65	54	<100	16	0.001	43.42	99.47
PAT 07 - 13	42052	10/13/2007	98.93	55.43	0.52	0.25	0.031	0.019	248	16	0.16	28	55	35	390	6	0.000	43.38	99.34
PAT 07 - 13	42053	10/13/2007	98.90	55.41	0.54	0.26	0.033	0.010	248	14	0.02	26	37	34	263	21	0.000	43.58	99.38
PAT 07 - 13	42054	10/13/2007	98.64	55.26	0.54	0.26	0.061	0.036	266	15	0.08	32	109	35	323	26	0.000	43.47	99.25
PAT 07 - 13	42055	10/13/2007	99.15	55.55	0.50	0.24	0.047	0.017	251	16	0.02	33	49	34	383	11	0.000	43.47	99.43
PAT 07 - 13	42056	10/13/2007	97.07	54.38	1.79	0.85	0.029	0.020	254	18	0.10	41	54	32	485	60	0.001	43.49	98.98
PAT 07 - 13	42057	10/13/2007	87.54	49.05	10.93	5.22	0.050	0.037	242	30	0.09	45	84	36	384	41	0.000	44.11	98.64
PAT 07 - 13	42058	10/13/2007	66.58	37.30	32.68	15.62	0.091	0.064	240	50	0.18	22	79	44	448	78	0.000	45.90	99.26
PAT 07 - 13	42059	10/13/2007	98.77	55.34	0.76	0.36	0.062	0.030	252	29	0.13	45	38	30	137	16	0.000	43.24	99.22
PAT 07 - 13	42060	10/13/2007	98.99	55.46	0.53	0.25	0.048	0.024	234	22	0.09	47	50	34	126	20	0.000	43.28	99.21
PAT 07 - 13	42061	10/13/2007	98.75	55.33	0.67	0.32	0.093	0.028	288	32	0.06	48	63	21	491	103	0.000	43.33	99.27
PAT 07 - 13	42062	10/13/2007	96.78	54.23	2.58	1.23	0.097	0.081	325	30	0.18	52	144	36	283	44	0.000	43.38	99.29
PAT 07 - 13	42063	10/13/2007	73.55	41.21	22.87	10.93	0.161	0.519	515	65	1.30	125	991	104	1410	367	0.028	45.22	99.73
PAT 07 - 13	42064	10/13/2007	67.41	37.77	30.24	14.46	0.147	0.489	449	73	1.09	177	1079	115	1094	359	0.006	45.07	99.36
PAT 07 - 13	42065	10/13/2007	98.09	54.96	0.97	0.47	0.072	0.133	630	44	0.31	63	246	33	915	125	0.001	43.23	99.37
PAT 07 - 13	42066	10/13/2007	96.20	53.90	1.57	0.75	0.163	0.494	359	63	0.97	66	823	31	1550	403	0.001	42.89	99.49
PAT 07 - 13	42067	10/13/2007	96.24	53.92	1.17	0.56	0.161	0.397	506	52	0.81	46	125	44	8368	361	0.006	42.60	99.41
PAT 07 - 13	42068	10/13/2007	98.93	55.43	0.57	0.27	0.052	0.022	394	21	0.13	30	41	38	931	15	0.001	43.11	99.16
PAT 07 - 13	42069	10/13/2007	98.85	55.38	0.52	0.25	0.054	0.013	387	20	0.15	27	39	50	1037	21	0.000	43.13	99.13
PAT 07 - 13	42070	10/13/2007	98.89	55.40	0.53	0.25	0.026	0.017	534	15	0.01	26	50	27	490	112	0.002	43.06	98.89
PAT 07 - 13	42071	10/13/2007	95.92	53.74	3.27	1.56	0.041	0.009	456	21	0.02	26	<30	28	427	14	0.003	44.09	99.57
PAT 07 - 13	42072	10/13/2007	93.40	52.33	5.37	2.57	0.061	0.019	457	23	0.05	26	39	36	903	17	0.001	44.09	99.26
PAT 07 - 13	42073	10/13/2007	99.14	55.55	0.53	0.25	0.048	0.008	1043	16	0.13	23	44	48	203	2	0.003	43.73	99.85
PAT 07 - 13	42074	10/13/2007	99.08	55.51	0.48	0.23	0.028	0.011	872	15	0.06	22	<30	28	580	62	0.001	43.70	99.70
PAT 07 - 13	42075	10/13/2007	99.26	55.61	0.44	0.21	0.024	0.006	703	14	0.01	22	33	38	281	9	0.001	43.65	99.62
PAT 07 - 13	42076	10/13/2007	98.98	55.45	0.42	0.20	0.035	0.012	504	27	0.03	20	35	20	524	20	0.000	43.61	99.45
PAT 07 - 13	42077	10/13/2007	99.02	55.48	0.50	0.24	0.039	0.010	652	48	0.11	12	41	48	<100	6	0.000	43.64	99.60
PAT 07 - 13	42078	10/13/2007	99.00	55.47	0.54	0.26	0.044	0.055	577	36	0.07	28	79	38	915	17	0.000	43.51	99.58
PAT 07 - 13	42079	10/13/2007	98.54	55.21	0.48	0.23	0.042	0.017	573	37	0.04	23	61	26	360	15	0.000	43.48	99.13
PAT 07 - 13	42080	10/13/2007	98.70	55.30	0.48	0.23	0.058	0.011	1260	22	0.11	36	43	41	483	17	0.003	43.58	99.49
PAT 07 - 13	42081	10/13/2007	96.16	53.88	3.24	1.55	0.030	0.018	714	41	0.15	24	54	43	209	9	0.000	43.74	99.47
PAT 07 - 13	42082	10/13/2007	93.35	52.31	5.55	2.65	0.048	0.285	512	58	0.28	47	326	32	1391	88	0.000	43.72	99.53
PAT 07 - 13	42083	10/13/2007	98.61	55.25	0.57	0.27	0.034	0.013	763	37	0.11	22	48	38	247	5	0.000	43.59	99.39
PAT 07 - 13	42084	10/13/2007	98.61	55.25	0.50	0.24	0.020	0.015	317	22	0.27	27	60	49	868	8	0.000	43.49	99.42
PAT 07 - 13	42085	10/13/2007	98.96	55.44	0.57	0.27	0.033	0.026	695	54	0.18	43	76	27	369	25	0.000	43.48	99.56
PAT 07 - 13	42086	10/13/2007	96.64	54.14	0.80	0.38	0.262	0.559	535	54	1.21	85	869	49	2082	385	0.000	42.80	99.76
PAT 07 - 13	42087	10/13/2007	98.76	55.33	0.52	0.25	0.044	0.053	506	33	0.29	40	81	47	352	33	0.000	43.53	99.61
PAT 07 - 13	42088	10/13/2007	98.82	55.37	0.52	0.25	0.060	0.023	554	51	0.48	40	66	51	140	8	0.000	43.61	99.87
PAT 07 - 13	42089	10/13/2007	98.50	55.19	0.58	0.28	0.086	0.094	534	53	0.34	51	148	36	654	70	0.000	43.51	99.65
PAT 07 - 13	42090	10/13/2007	98.35	55.10	0.60	0.29	0.096	0.122	696	48	0.31	61	189	27	133	68	0.000	43.51	99.55
PAT 07 - 13	42091	10/13/2007	98.18	55.01	1.14	0.55	0.059	0.051	636	51	0.21	61	64	34	954	32	0.000	43.56	99.62
PAT 07 - 13	42092	10/13/2007	98.11	54.97	0.95	0.45	0.039	0.052	659	44	0.30	48	83	34	2760	46	0.000	43.38	99.56
PAT 07 - 13	42093	10/13/2007	97.55	54.66	1.61	0.77	0.049	0.048	616	27	0.23	51	52	21	1770	32	0.001	43.53	99.54
PAT 07 - 13	42094	10/13/2007	97.14	54.43	1.93	0.92	0.076	0.039	687	32	0.16	52	44	24	1622	40	0.002	43.70	99.58
PAT 07 - 13	42095	10/13/2007	98.14	54.99	1.15	0.55	0.069	0.065	493	41	0.18	52	47	2523	51	0.000	43.32	99.49	
PAT 07 - 13	42096	10/13/2007	96.44	54.04	2.55	1.22	0.052	0.053	405	37	0.27	56	65	41	2300	46	0.000	43.43	99.36
PAT 07 - 13	42097	10/13/2007	98.24	55.04	0.62	0.30	0.072	0.100	488	39	0.43	91	189	40	1482	79	0.000	43.45	99.63
PAT 07 - 13	42098	10/13/2007	98.24	55.04	0.56	0.27	0.041	0.028	566	28	0.73	62	85	52	1825	13	0.001	43.43	99.80
PAT 07 - 13	42099	10/13/2007	98.91	55.42	0.55	0.26	0.042	0.024	646	28	0.04	43	61	61	955	10	0.000	43.47	99.43

PAT 07 - 13	42100	10/13/2007	98.76	55.33	0.55	0.26	0.033	0.010	902	24	0.45	49	64	54	<100	15	0.001	43.45	99.65
PAT 07 - 13	44001	10/15/2007	99.04	55.49	0.56	0.27	0.053	0.017	747	45	0.10	34	54	34	<100	8	0.000	43.56	99.58
PAT 07 - 13	44002	10/15/2007	99.11	55.53	0.50	0.24	0.036	0.008	534	27	0.02	40	31	22	<100	1	0.000	43.58	99.48
PAT 07 - 13	44003	10/15/2007	98.98	55.45	0.56	0.27	0.060	0.026	542	31	0.10	52	47	32	255	10	0.000	43.40	99.41
PAT 07 - 13	44004	10/15/2007	99.08	55.51	0.55	0.26	0.040	0.010	541	34	0.01	38	50	43	<100	5	0.000	43.43	99.34
PAT 07 - 13	44005	10/15/2007	98.70	55.30	0.96	0.46	0.034	0.025	438	15	0.06	41	52	49	<100	26	0.001	43.48	99.43
PAT 07 - 13	44006	10/15/2007	96.49	54.06	3.00	1.44	0.048	0.020	429	18	0.15	37	44	43	317	13	0.000	43.61	99.41
PAT 07 - 13	44007	10/15/2007	98.86	55.39	0.65	0.31	0.045	0.026	437	16	0.01	40	75	42	1715	30	0.003	43.73	99.75
PAT 07 - 13	44008	10/15/2007	98.36	55.11	0.71	0.34	0.069	0.059	479	18	0.11	53	129	52	3390	44	0.002	43.44	99.54
PAT 07 - 13	44009	10/15/2007	98.76	55.33	0.85	0.41	0.068	0.031	409	18	0.04	43	91	33	951	21	0.002	43.57	99.60
PAT 07 - 13	44010	10/15/2007	97.31	54.52	2.22	1.06	0.064	0.022	385	20	0.01	34	36	40	544	28	0.001	43.63	99.41
PAT 07 - 13	44011	10/15/2007	98.10	54.96	1.27	0.61	0.062	0.039	372	25	0.20	43	67	45	1249	41	0.002	43.48	99.53
PAT 07 - 13	44012	10/15/2007	92.83	52.01	6.59	3.15	0.039	0.043	347	27	0.17	36	58	48	608	46	0.001	43.83	99.37
PAT 07 - 13	44013	10/15/2007	97.88	54.84	1.22	0.58	0.034	0.011	422	16	0.02	42	<30	28	1787	17	0.002	43.42	99.14
PAT 07 - 13	44014	10/15/2007	98.68	55.29	0.82	0.39	0.035	0.022	451	19	0.04	46	<30	32	2066	9	0.003	43.33	99.37
PAT 07 - 13	44015	10/15/2007	98.60	55.24	0.68	0.33	0.034	0.012	391	16	0.25	34	36	63	2069	11	0.004	43.30	99.43
PAT 07 - 13	44016	10/15/2007	98.57	55.23	0.76	0.36	0.032	0.014	369	16	0.12	34	47	43	2409	11	0.008	43.69	99.74
PAT 07 - 13	44017	10/15/2007	98.43	55.15	0.77	0.37	0.050	0.027	427	19	0.05	40	54	38	1376	12	0.008	43.65	99.50
PAT 07 - 13	44018	10/15/2007	89.43	50.11	9.87	4.72	0.045	0.042	374	27	0.23	39	94	53	2223	37	0.005	44.16	99.59
PAT 07 - 13	44019	10/15/2007	83.15	46.59	15.54	7.43	0.078	0.139	356	26	0.35	50	227	69	1543	121	0.002	44.46	99.28
PAT 07 - 13	44020	10/15/2007	93.40	52.33	5.33	2.64	0.045	0.048	332	19	0.10	32	105	68	260	34	0.001	43.92	99.17
PAT 07 - 13	44021	10/15/2007	85.05	47.65	13.94	6.66	0.052	0.074	351	24	0.17	35	135	52	913	56	0.002	44.49	99.26
PAT 07 - 13	44022	10/15/2007	94.92	53.18	4.26	2.04	0.070	0.082	368	20	0.29	43	235	64	1143	85	0.004	43.64	99.50
PAT 07 - 13	44023	10/15/2007	90.47	50.69	8.92	4.26	0.028	0.041	320	21	0.22	35	93	75	462	24	0.000	44.08	99.42
PAT 07 - 13	44024	10/15/2007	92.39	51.76	6.54	3.13	0.033	0.025	400	21	0.33	36	91	72	778	21	0.001	43.86	99.28
PAT 07 - 13	44025	10/15/2007	90.86	50.91	8.50	4.06	0.045	0.042	377	22	0.27	38	137	62	1001	25	0.004	44.29	99.79
PAT 07 - 13	44026	10/15/2007	80.68	45.20	18.29	8.74	0.052	0.053	368	28	0.41	32	162	103	1541	45	0.000	44.93	99.62
PAT 07 - 13	44027	10/15/2007	72.63	40.70	26.56	12.70	0.034	0.033	312	29	0.05	22	54	86	1016	27	0.004	45.80	99.46
PAT 07 - 13	44028	10/15/2007	95.88	53.72	3.46	1.65	0.038	0.031	300	21	0.07	25	33	53	1657	33	0.001	43.76	99.48
PAT 07 - 13	44029	10/15/2007	83.73	46.91	15.02	7.18	0.071	0.049	331	34	0.09	30	78	61	1762	30	0.001	44.72	99.26
PAT 07 - 13	44030	10/15/2007	97.69	54.74	1.36	0.65	0.075	0.039	505	27	0.23	47	119	79	675	25	0.002	43.48	99.36
PAT 07 - 13	44031	10/15/2007	92.75	51.97	6.35	3.04	0.156	0.110	510	37	0.22	65	284	60	1312	94	0.005	43.81	99.54
PAT 07 - 13	44032	10/15/2007	94.58	52.99	4.59	2.19	0.090	0.096	418	30	0.18	69	279	63	1171	79	0.003	43.67	99.43
PAT 07 - 13	44033	10/15/2007	96.95	54.32	2.28	1.09	0.075	0.054	517	25	0.22	63	133	101	1618	45	0.002	43.59	99.60
PAT 07 - 13	44034	10/15/2007	98.85	55.38	0.65	0.31	0.025	0.015	395	24	0.12	45	54	89	1024	25	0.002	43.55	99.57
PAT 07 - 13	44035	10/15/2007	98.46	55.17	0.93	0.44	0.045	0.036	626	28	0.06	52	102	108	744	26	0.004	43.56	99.48
PAT 07 - 13	44036	10/15/2007	95.22	53.35	4.21	2.01	0.035	0.041	351	32	0.20	50	133	155	343	55	0.000	43.55	99.30
PAT 07 - 13	44037	10/15/2007	95.24	53.36	3.76	1.80	0.039	0.058	390	31	0.43	54	166	71	1020	53	0.011	43.64	99.51
PAT 07 - 13	44038	10/15/2007	97.84	54.82	1.40	0.67	0.052	0.081	386	32	0.29	59	221	53	895	73	0.008	43.39	99.49
PAT 07 - 13	44039	10/15/2007	99.01	55.47	0.59	0.28	0.043	0.033	385	27	0.04	21	71	64	<100	33	0.001	43.24	99.17
PAT 07 - 13	44040	10/15/2007	98.56	55.22	0.59	0.28	0.072	0.083	348	31	0.35	45	210	62	322	81	0.001	43.18	99.30
PAT 07 - 13	44041	10/15/2007	91.84	51.46	1.02	0.49	0.859	1.448	511	98	3.37	265	4317	135	1258	1166	0.525	40.87	99.79
PAT 07 - 13	44042	10/15/2007	98.33	55.09	0.97	0.46	0.069	0.080	424	39	0.29	58	232	103	617	54	0.022	43.56	99.73
PAT 07 - 13	44043	10/15/2007	97.96	54.89	0.98	0.47	0.066	0.021	390	34	0.08	57	79	54	565	35	0.012	43.69	99.34
PAT 07 - 13	44044	10/15/2007	98.13	54.98	1.42	0.68	0.088	0.033	338	38	0.06	52	109	46	628	28	0.005	43.69	99.66
PAT 07 - 13	44045	10/15/2007	95.37	53.43	3.37	1.61	0.068	0.053	389	39	0.22	54	167	97	1440	35	0.016	43.91	99.54
PAT 07 - 13	44046	10/15/2007	96.19	53.90	2.20	1.05	0.150	0.196	526	36	0.77	107	577	95	1471	184	0.073	43.45	99.89
PAT 07 - 13	44047	10/15/2007	96.52	54.08	1.70	0.81	0.150	0.181	615	26	0.65	113	565	69	782	164	0.066	43.52	99.69
PAT 07 - 13	44048	10/15/2007	96.51	54.07	1.56	0.74	0.114	0.135	645	24	0.52	92	425	86	815	118	0.070	43.67	99.55
PAT 07 - 13	44049	10/15/2007	97.44	54.60	1.35	0.64	0.083	0.131	628	21	0.56	97	403	63	944	109	0.052	43.65	99.94
PAT 07 - 13	44050	10/15/2007	96.18	53.89	1.59	0.76	0.158	0.274	591	26	1.03	106	868	79	949	233	0.117	43.24	99.75
PAT 07 - 13	44051	10/15/2007	93.06	52.14	5.31	2.54	0.178	0.194	491	42	0.41	99	569	75	984	171	0.040	43.89	99.63
PAT 07 - 13	44052	10/15/2007	98.27	55.06	0.91	0.44	0.134	0.088	600	34	0.22	92	240	63	747	65	0.015	43.73	99.87
PAT 07 - 13	44053	10/15/2007	98.13	54.98	0.78	0.37	0.105	0.075	573	28	0.18	93	223	61	680	59	0.006	43.57	99.46
PAT 07 - 13	44054	10/15/2007	97.67	54.72	1.04	0.50	0.132	0.167	553	31	0.33	85	436	63	1055	110	0.060	43.62	99.76
PAT 07 - 13	44055	10/15/2007	96.23	53.92	1.33	0.64	0.253	0.434	525	46	1.02	86	1298	70	1522	309	0.164	42.92	99.73
PAT 07 - 13	44056	10/15/2007	97.02	54.36	1.27	0.61	0.178	0.319	524	36	0.66	87	873	68	1031	200	0.087	43.41	99.90
PAT 07 - 13	44057	10/15/2007	96.93	54.31	1.13	0.54	0.138	0.234	552	31	0.85	93	718	68	713	189	0.078	43.26	99.64

PAT 07 - 13	44058	10/15/2007	94.74	53.08	2.26	1.08	0.206	0.346	537	37	1.16	133	1087	77	1048	260	0.149	43.11	99.45
PAT 07 - 13	44059	10/15/2007	97.38	54.56	0.94	0.45	0.044	0.051	481	36	0.48	81	161	76	876	45	0.015	43.72	99.50
PAT 07 - 13	44060	10/15/2007	98.50	55.19	0.86	0.41	0.050	0.026	405	37	0.16	56	95	58	370	24	0.005	43.65	99.59
PAT 07 - 13	44061	10/15/2007	97.11	54.41	1.53	0.73	0.077	0.195	428	46	0.44	86	613	73	3381	119	0.031	43.42	99.78
PAT 07 - 13	44062	10/15/2007	98.53	55.21	0.90	0.43	0.046	0.068	458	39	0.13	74	219	62	1002	42	0.004	43.50	99.58
PAT 07 - 13	44063	10/15/2007	97.80	54.80	0.80	0.38	0.082	0.160	429	42	0.33	80	485	66	1581	97	0.003	43.25	99.28
PAT 07 - 13	44064	10/15/2007	98.71	55.31	0.86	0.41	0.047	0.038	452	38	0.08	86	130	69	584	33	0.010	43.45	99.48
PAT 07 - 13	44065	10/15/2007	98.52	55.20	0.95	0.46	0.056	0.048	442	34	0.11	71	145	63	648	49	0.014	43.66	99.69
PAT 07 - 13	44066	10/15/2007	97.69	54.73	1.04	0.50	0.088	0.111	434	39	0.24	80	265	64	787	77	0.024	43.72	99.59
PAT 07 - 13	44067	10/15/2007	98.05	54.93	0.84	0.40	0.033	0.064	373	36	0.13	60	187	61	793	52	0.005	43.66	99.38
PAT 07 - 13	44068	10/15/2007	98.27	55.06	0.75	0.36	0.039	0.026	448	35	0.06	71	82	48	746	20	0.006	43.64	99.33
PAT 07 - 13	44069	10/15/2007	98.54	55.21	0.78	0.37	0.060	0.035	449	39	0.31	77	127	71	572	32	0.008	43.69	99.82
PAT 07 - 13	44070	10/15/2007	98.32	55.08	0.78	0.37	0.020	0.025	443	33	0.17	68	81	63	749	27	0.008	43.61	99.44
PAT 07 - 13	44071	10/15/2007	98.47	55.17	0.73	0.35	0.027	0.027	480	37	0.12	99	93	59	947	20	0.007	43.51	99.38
PAT 07 - 13	44072	10/15/2007	98.37	55.11	0.70	0.34	0.034	0.026	466	36	0.06	77	80	45	201	21	0.009	43.63	99.30
PAT 07 - 13	44073	10/15/2007	96.24	53.92	0.67	0.32	0.086	0.030	406	36	0.09	53	77	27	970	2	0.056	45.31	99.98
PAT 07 - 13	44074	10/15/2007	98.28	55.07	0.83	0.40	0.073	0.023	453	46	0.39	59	80	91	1417	14	0.007	43.45	99.63
PAT 07 - 13	44075	10/15/2007	98.83	55.37	0.71	0.34	0.046	0.021	466	39	0.01	62	63	55	1228	14	0.005	43.47	99.46
PAT 07 - 13	44076	10/15/2007	98.80	55.36	0.70	0.33	0.037	0.021	471	37	0.09	62	92	57	777	23	0.005	43.79	99.78
PAT 07 - 13	44077	10/15/2007	97.38	54.56	2.06	0.99	0.058	0.022	447	40	0.17	55	60	58	1100	22	0.005	43.77	99.75
PAT 07 - 13	44078	10/15/2007	98.09	54.96	1.20	0.58	0.018	0.023	453	36	0.21	52	71	57	1361	23	0.006	43.68	99.68
PAT 07 - 13	44079	10/15/2007	97.59	54.68	1.77	0.85	0.049	0.030	448	38	0.16	51	83	54	663	31	0.004	43.71	99.61
PAT 07 - 13	44080	10/15/2007	98.26	55.05	1.10	0.53	0.022	0.007	358	27	0.01	34	49	51	759	10	0.003	43.71	99.46
PAT 07 - 13	44081	10/15/2007	98.25	55.05	1.32	0.63	0.022	0.022	434	31	0.01	52	78	61	782	29	0.006	43.67	99.56
PAT 07 - 13	44082	10/15/2007	98.04	54.93	1.10	0.52	0.021	0.017	445	30	0.04	50	66	64	1019	21	0.005	43.67	99.38
PAT 07 - 13	44083	10/15/2007	98.40	55.13	1.11	0.53	0.031	0.024	470	36	0.17	64	76	59	844	30	0.002	43.56	99.61
PAT 07 - 13	44084	10/15/2007	97.95	54.88	1.21	0.58	0.032	0.027	448	36	0.10	54	67	64	645	27	0.000	43.62	99.37
PAT 07 - 13	44085	10/15/2007	98.87	55.40	0.73	0.35	0.033	0.012	470	32	0.05	51	58	70	867	9	0.000	43.63	99.63
PAT 07 - 13	44086	10/15/2007	98.87	55.39	0.70	0.34	0.062	0.011	442	37	0.02	54	54	67	578	14	0.000	43.66	99.61
PAT 07 - 13	44087	10/15/2007	98.85	55.39	0.69	0.33	0.060	0.019	437	37	0.05	51	54	53	861	22	0.001	43.54	99.54
PAT 07 - 13	44088	10/15/2007	98.89	55.41	0.69	0.33	0.044	0.037	444	39	0.02	51	53	63	403	23	0.001	43.56	99.50
PAT 07 - 13	44089	10/15/2007	98.86	55.39	0.75	0.36	0.049	0.027	452	46	0.02	58	56	63	769	23	0.001	43.54	99.53
PAT 07 - 13	44090	10/15/2007	98.96	55.44	0.73	0.35	0.058	0.011	461	48	0.01	54	67	104	699	7	0.001	43.49	99.50
PAT 07 - 13	44091	10/15/2007	98.20	55.02	1.36	0.65	0.031	0.011	499	36	0.02	54	57	67	612	19	0.000	43.49	99.36
PAT 07 - 13	44092	10/15/2007	98.46	55.17	1.14	0.55	0.041	0.070	467	38	0.01	45	50	55	769	1	0.000	43.73	99.71
PAT 07 - 13	44093	10/15/2007	98.12	54.98	1.09	0.52	0.081	0.097	510	38	0.22	56	260	68	1655	63	0.014	43.64	99.82
PAT 07 - 13	44094	10/15/2007	98.64	55.27	0.79	0.38	0.062	0.036	479	40	0.03	55	80	65	944	17	0.001	43.65	99.59
PAT 07 - 13	44095	10/15/2007	98.83	55.37	0.74	0.36	0.059	0.016	474	40	0.04	55	60	67	562	21	0.001	43.57	99.54
PAT 07 - 13	44096	10/15/2007	98.70	55.30	0.78	0.37	0.068	0.018	485	38	0.07	59	59	78	837	28	0.002	43.56	99.55
PAT 07 - 13	44097	10/15/2007	98.19	55.01	0.78	0.37	0.050	0.013	466	34	0.03	57	54	64	955	9	0.001	43.58	99.22
PAT 07 - 13	44098	10/15/2007	98.58	55.23	0.66	0.32	0.066	0.045	471	39	0.18	51	112	56	2461	27	0.000	43.36	99.53
PAT 07 - 13	44099	10/15/2007	98.00	54.91	0.75	0.36	0.052	0.043	512	32	0.13	59	66	49	1056	18	0.001	43.37	99.03
PAT 07 - 13	44100	10/15/2007	98.93	55.43	0.72	0.34	0.035	0.020	505	34	0.03	51	60	77	694	12	0.001	43.49	99.49
PAT 07 - 13	44101	10/15/2007	98.77	55.34	0.67	0.32	0.064	0.048	496	37	0.08	53	97	53	732	32	0.000	43.62	99.63
PAT 07 - 13	44102	10/15/2007	97.93	54.87	0.86	0.41	0.063	0.104	518	33	0.40	65	304	86	4048	76	0.011	43.50	99.87
PAT 07 - 13	44103	10/15/2007	98.79	55.35	0.66	0.32	0.039	0.022	480	33	0.02	50	69	54	543	16	0.002	43.67	99.55
PAT 07 - 13	44104	10/15/2007	92.50	51.83	6.31	3.02	0.112	0.147	493	42	0.34	66	368	68	2859	88	0.034	43.89	99.76
PAT 07 - 13	44105	10/15/2007	98.20	55.02	0.77	0.37	0.055	0.070	477	29	0.44	59	150	57	1177	46	0.005	43.56	99.71
PAT 07 - 13	44106	10/15/2007	98.86	55.39	0.64	0.31	0.051	0.037	440	42	0.13	48	101	50	1032	33	0.000	43.50	99.59
PAT 07 - 13	44107	10/15/2007	98.72	55.31	0.71	0.34	0.054	0.031	430	33	0.18	47	100	65	1040	33	0.000	43.66	99.76
PAT 07 - 13	44108	10/15/2007	97.54	54.65	0.57	0.27	0.048	0.028	408	36	0.27	43	107	70	715	21	0.000	43.54	98.95
PAT 07 - 13	44109	10/15/2007	98.74	55.32	0.62	0.30	0.078	0.038	403	37	0.05	39	83	54	858	35	0.000	43.55	99.49
PAT 07 - 13	44110	10/15/2007	98.76	55.34	0.74	0.35	0.041	0.036	353	34	0.07	37	57	46	1908	36	0.022	43.22	99.33
PAT 07 - 13	44111	10/15/2007	96.82	54.25	2.06	0.98	0.195	0.131	376	56	0.36	68	72	48	990	81	0.018	43.51	99.61
PAT 07 - 13	44112	10/15/2007	95.92	53.74	3.19	1.52	0.089	0.071	369	37	0.40	44	136	79	1173	57	0.000	43.47	99.48
PAT 07 - 13	44113	10/15/2007	94.44	52.91	3.70	1.77	0.306	0.242	412	46	0.75	62	602	81	1676	191	0.178	43.41	99.88
PAT 07 - 13	44114	10/15/2007	98.22	55.03	1.13	0.54	0.054	0.041	428	34	0.18	58	66	51	1062	30	0.000	43.51	99.53
PAT 07 - 13	44115	10/15/2007	85.61	47.96	12.44	5.95	0.153	0.251	360	45	0.69	56	575	93	770	167	0.042	44.19	99.44

PAT 07 - 13	44116	10/15/2007	94.50	52.94	4.37	2.09	0.102	0.118	380	39	0.31	46	345	69	1075	73	0.026	43.89	99.68
PAT 07 - 13	44117	10/15/2007	93.21	52.22	5.19	2.48	0.162	0.214	385	44	0.61	53	588	81	1648	150	0.055	43.83	99.87
PAT 07 - 13	44118	10/15/2007	97.68	54.73	1.52	0.72	0.082	0.047	383	37	0.29	45	118	119	790	46	0.000	43.32	99.35
PAT 07 - 13	44119	10/15/2007	83.02	46.52	14.03	6.71	0.247	0.567	386	59	1.35	93	1368	99	2787	289	0.095	43.92	99.91
PAT 07 - 13	44120	10/15/2007	97.51	54.63	1.74	0.83	0.109	0.065	392	43	0.29	38	140	65	471	35	0.005	43.63	99.68
PAT 07 - 13	44121	10/15/2007	87.85	49.22	11.11	5.31	0.117	0.185	411	49	0.43	58	376	67	583	94	0.023	44.55	99.99
PAT 07 - 13	44122	10/15/2007	93.41	52.34	5.94	2.84	0.108	0.068	422	48	0.15	48	209	51	318	47	0.011	44.30	99.93
PAT 07 - 13	44123	10/15/2007	96.78	54.22	2.63	1.25	0.084	0.042	380	38	0.13	38	132	56	876	34	0.008	43.99	99.88
PAT 07 - 13	44124	10/15/2007	95.46	53.48	3.87	1.85	0.082	0.076	356	36	0.20	37	201	49	1109	50	0.014	44.03	99.92
PAT 07 - 13	44125	10/15/2007	85.75	48.04	12.70	6.07	0.125	0.149	371	50	0.38	49	348	86	1565	99	0.022	44.65	99.70
PAT 07 - 13	44126	10/15/2007	97.23	54.48	2.12	1.01	0.074	0.072	379	39	0.22	44	74	45	1011	39	0.001	43.67	99.69
PAT 07 - 13	44127	10/15/2007	93.96	52.65	4.58	2.19	0.105	0.167	348	37	0.46	44	338	72	1732	109	0.029	43.84	99.70
PAT 07 - 13	44128	10/15/2007	96.41	54.02	2.93	1.40	0.075	0.074	338	36	0.24	35	145	55	865	48	0.008	43.77	99.74
PAT 07 - 13	44129	10/15/2007	77.65	43.50	17.95	8.58	0.526	0.892	342	58	2.12	89	2063	129	1552	775	0.466	43.24	99.83
PAT 07 - 13	44130	10/15/2007	95.68	53.61	3.36	1.61	0.089	0.079	342	35	0.21	33	188	50	751	60	0.003	43.77	99.52
PAT 07 - 13	44131	10/15/2007	96.65	54.15	2.56	1.22	0.073	0.021	334	34	0.07	32	63	45	407	17	0.000	43.91	99.54
PAT 07 - 13	44132	10/15/2007	89.12	49.93	7.77	3.72	0.201	0.395	409	34	1.04	62	813	81	6992	311	0.139	43.43	99.73
PAT 07 - 13	44133	10/15/2007	93.89	52.60	5.14	2.46	0.061	0.050	365	32	0.16	39	137	62	1182	58	0.025	44.15	99.69
PAT 07 - 13	44134	10/15/2007	98.76	55.33	0.73	0.35	0.057	0.015	421	35	0.12	38	65	44	1123	16	0.007	43.70	99.75
PAT 07 - 13	44135	10/15/2007	99.10	55.52	0.66	0.32	0.021	0.008	409	30	0.02	37	38	52	173	8	0.002	43.75	99.72
PAT 07 - 13	44136	10/15/2007	94.16	52.75	4.64	2.22	0.035	0.034	341	30	0.11	33	103	41	952	41	0.009	44.05	99.37
PAT 07 - 13	44137	10/15/2007	92.29	51.71	6.18	2.96	0.093	0.100	328	35	0.21	34	316	44	928	67	0.027	44.10	99.37
PAT 07 - 13	44138	10/15/2007	88.58	49.63	9.69	4.63	0.169	0.234	393	43	0.63	49	656	63	3884	183	0.059	43.96	99.84
PAT 07 - 13	44139	10/15/2007	87.70	49.14	7.36	3.52	0.343	0.719	484	52	1.85	89	2083	99	5138	533	0.324	42.97	99.71
PAT 07 - 13	44140	10/15/2007	85.77	48.06	9.80	4.68	0.317	0.653	533	54	1.74	103	1894	98	9731	484	0.251	43.59	100.58
PAT 07 - 13	44141	10/15/2007	85.86	48.11	8.72	4.17	0.403	0.824	558	60	2.48	154	2513	85	4998	662	0.338	42.70	99.93
PAT 07 - 13	44142	10/15/2007	91.53	51.28	5.85	2.80	0.169	0.378	481	41	1.32	75	1177	72	2643	248	0.113	43.42	99.96
PAT 07 - 13	44143	10/15/2007	83.96	47.04	12.58	6.01	0.164	0.352	450	46	1.38	76	1010	61	3280	266	0.107	43.99	99.57
PAT 07 - 13	44144	10/15/2007	88.88	49.80	9.32	4.45	0.069	0.179	389	41	1.20	42	308	44	1020	72	0.018	43.95	99.86
PAT 07 - 13	44145	10/15/2007	71.55	40.09	23.48	11.22	0.366	0.840	388	68	2.86	108	2555	104	4914	608	0.302	43.89	100.45
PAT 07 - 13	44146	10/15/2007	72.98	40.89	17.60	8.41	0.530	1.069	504	86	4.80	149	3702	139	10245	889	0.484	41.46	99.21
PAT 07 - 13	44147	10/15/2007	90.45	50.68	5.00	2.39	0.358	0.780	572	61	2.38	134	2357	73	5412	613	0.293	42.61	100.41
PAT 07 - 13	44148	10/15/2007	74.75	41.88	12.43	5.94	0.644	2.478	437	116	6.41	314	6409	119	5337	1738	0.405	39.96	99.17
PAT 07 - 13	44149	10/15/2007	94.56	52.98	4.64	2.22	0.066	0.114	454	50	0.34	68	316	30	222	74	0.021	44.06	99.93
PAT 07 - 13	44150	10/15/2007	90.22	50.55	4.53	2.16	0.349	0.990	710	73	2.29	214	2331	51	9286	692	0.255	42.03	99.96
PAT 07 - 13	44151	10/15/2007	89.51	50.15	5.18	2.47	0.360	0.978	765	83	2.30	174	2575	79	9805	650	0.266	42.10	100.04
PAT 07 - 13	44152	10/15/2007	81.22	45.50	5.21	2.49	0.668	1.608	988	116	6.92	281	4502	137	20377	1111	0.556	38.30	98.79
PAT 07 - 13	44153	10/15/2007	80.57	45.14	4.28	2.05	0.581	1.182	911	131	8.24	205	3401	118	18843	858	0.479	37.46	97.58

10/Can Geo/Stone
Sample

		Sample	%	%	%	%	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	%
		Date	CaCO3	CaO	MgCO3	MgO	Fe2O3	Al2O3	SrCO3	MnO	SiO2	BaO	K2O	Na2O	P2O5	TiO2	S	LOI	Total
PAT 07 - 14	44154	10/15/2007	98.13	54.98	0.60	0.29	0.069	0.045	460	42	0.35	58	93	33	1036	45	0.002	43.39	99.31
PAT 07 - 14	44155	10/15/2007	98.03	54.93	0.63	0.30	0.059	0.065	526	40	0.17	76	166	44	2819	46	0.000	43.32	99.22
PAT 07 - 14	44156	10/15/2007	98.34	55.10	0.62	0.30	0.077	0.046	580	46	0.11	82	134	34	1201	34	0.003	43.61	99.45
PAT 07 - 14	44157	10/15/2007	95.22	53.35	2.80	1.34	0.117	0.302	773	31	0.93	115	736	91	2495	194	0.017	43.43	99.92
PAT 07 - 14	44158	10/15/2007	91.81	51.44	5.79	2.77	0.076	0.169	596	36	1.05	143	362	39	4607	109	0.010	43.55	99.65
PAT 07 - 14	44159	10/15/2007	90.49	50.70	3.57	1.71	0.135	0.320	626	42	0.70	151	650	47	44544	175	0.018	40.12	98.32
PAT 07 - 14	44160	10/15/2007	86.21	48.30	10.91	5.21	0.121	0.198	452	28	0.88	128	375	53	13839	123	0.007	43.04	99.27
PAT 07 - 14	44161	10/15/2007	86.20	48.30	12.10	5.78	0.112	0.056	409	23	1.13	121	164	41	960	64	0.000	44.16	99.72
PAT 07 - 14	44162	10/15/2007	93.74	52.52	4.04	1.93	0.158	0.076	498	26	0.92	127	221	32	412	82	0.004	43.66	99.41
PAT 07 - 14	44163	10/15/2007	70.30	39.39	18.96	9.06	0.304	0.990	409	70	5.89	178	2498	118	10888	824	0.049	40.74	97.92
PAT 07 - 14	44164	10/15/2007	95.28	53.38	2.38	1.14	0.101	0.080	497	23	0.79	147	205	42	1496	97	0.004	43.56	99.30
PAT 07 - 14	44165	10/15/2007	88.43	49.55	5.69	2.72	0.192	0.644	545	38	2.54	160	1662	65	3901	530	0.037	42.83	99.20
PAT 07 - 14	44166	10/15/2007	93.78	52.55	2.93	1.40	0.136	0.288	596	33	1.76	143	763	52	3423	254	0.031	43.11	99.79
PAT 07 - 14	44167	10/15/2007	93.68	52.49	1.77	0.84	0.159	0.378	619	29	1.25	155	956	43	19269	379	0.033	41.94	99.24
PAT 07 - 14	44168	10/15/2007	89.78	50.30	6.54	3.13	0.119	0.305	526	34	1.71	148	737	52	6215	219	0.032	43.25	99.64
PAT 07 - 14	44169	10/15/2007	98.78	55.34	0.67	0.32	0.061	0.012	462	21	0.04	106	56	32	2628	10	0.019	43.85	99.98
PAT 07 - 14	44170	10/15/2007	98.55	55.22	0.64	0.31	0.069	0.238	445	22	0.09	98	58	24	1273	10	0.024	44.05	100.19
PAT 07 - 14	44171	10/15/2007	98.04	54.93	0.79	0.38	0.036	0.036	527	13	0.47	115	85	<20	1218	11	0.017	43.85	99.79
PAT 07 - 14	44172	10/15/2007	76.99	43.14	16.38	7.83	0.353	0.680	460	69	3.69	100	1621	71	5002	593	0.081	43.25	99.82
PAT 07 - 14	44173	10/15/2007	86.44	48.43	2.96	1.42	0.399	1.389	590	71	4.97	170	3441	102	26894	907	0.067	39.57	99.46
PAT 07 - 14	44174	10/15/2007	97.88	54.84	0.69	0.33	0.062	0.064	521	19	0.35	97	175	31	7417	38	0.037	43.35	99.86
PAT 07 - 14	44175	10/15/2007	94.84	53.14	2.41	1.15	0.173	0.473	555	42	0.98	109	1190	31	4868	362	0.033	43.11	99.78
PAT 07 - 14	44176	10/15/2007	98.51	55.19	0.79	0.38	0.036	0.055	495	15	0.20	92	137	20	1403	54	0.000	43.54	99.62
PAT 07 - 14	44177	10/15/2007	98.37	55.11	0.65	0.31	0.032	0.040	458	21	0.53	59	90	27	1828	8	0.035	44.26	100.57
PAT 07 - 14	44178	10/15/2007	97.84	54.82	0.57	0.27	0.033	0.028	419	20	0.56	64	53	35	533	2	0.082	44.88	100.79
PAT 07 - 14	44179	10/15/2007	98.32	55.09	0.59	0.28	0.029	0.031	410	20	0.68	55	86	55	1455	15	0.002	43.53	99.85
PAT 07 - 14	44180	10/15/2007	97.95	54.88	1.25	0.60	0.047	0.069	508	17	0.28	78	185	25	1124	50	0.011	43.71	99.79
PAT 07 - 14	44181	10/15/2007	98.65	55.27	0.60	0.29	0.047	0.041	478	13	0.20	61	85	<20	821	12	0.000	43.48	99.46
PAT 07 - 14	44182	10/15/2007	98.26	55.05	1.21	0.58	0.057	0.034	502	14	0.12	68	73	26	757	86	0.010	43.80	99.81
PAT 07 - 14	44183	10/15/2007	97.36	54.55	1.52	0.73	0.119	0.043	495	24	0.17	59	120	31	672	35	0.030	43.80	99.59
PAT 07 - 14	44184	10/15/2007	97.07	54.39	1.54	0.74	0.119	0.103	514	43	0.66	70	268	36	2084	54	0.018	43.54	99.87
PAT 07 - 14	44185	10/15/2007	98.57	55.23	0.60	0.29	0.075	0.065	500	29	0.15	62	139	<20	1460	24	0.000	43.53	99.54
PAT 07 - 14	44186	10/15/2007	98.76	55.33	0.53	0.25	0.049	0.023	516	21	0.04	50	<30	<20	3170	54	0.001	43.29	99.37
PAT 07 - 14	44187	10/15/2007	98.86	55.39	0.54	0.26	0.026	0.021	618	21	0.04	61	<30	<20	1747	1	0.000	43.40	99.39
PAT 07 - 14	44188	10/15/2007	98.88	55.40	0.58	0.28	0.030	0.027	696	19	0.09	73	42	<20	1546	2	0.000	43.39	99.45
PAT 07 - 14	44189	10/15/2007	98.82	55.37	0.54	0.26	0.034	0.041	635	17	0.05	56	33	<20	1188	5	0.000	43.52	99.46
PAT 07 - 14	44190	10/15/2007	98.59	55.24	0.57	0.27	0.023	0.025	651	15	0.32	60	39	<20	1276	3	0.000	43.43	99.51
PAT 07 - 14	44191	10/15/2007	98.99	55.46	0.53	0.25	0.034	0.041	622	16	0.08	41	<30	<20	1066	2	0.000	43.45	99.49
PAT 07 - 14	44192	10/15/2007	98.80	55.35	0.75	0.36	0.021	0.016	741	9	0.05	46	<30	26	793	1	0.003	43.53	99.49
PAT 07 - 14	44193	10/15/2007	98.69	55.29	0.82	0.39	0.038	0.010	756	9	0.15	47	<30	24	793	3	0.003	43.53	99.58
PAT 07 - 14	44194	10/15/2007	98.66	55.28	0.58	0.28	0.031	0.008	791	8	0.35	47	39	31	1005	2	0.000	43.50	99.64
PAT 07 - 14	44195	10/15/2007	98.84	55.38	0.55	0.26	0.036	0.010	723	12	0.21	43	<30	28	1131	7	0.000	43.37	99.46
PAT 07 - 14	44196	10/15/2007	98.65	55.27	0.56	0.27	0.053	0.011	701	16	0.15	44	<30	25	863	3	0.000	43.19	99.11
PAT 07 - 14	44197	10/15/2007	98.49	55.18	0.53	0.25	0.087	0.027	604	26	0.48	48	39	31	2085	4	0.000	43.27	99.58
PAT 07 - 14	44198	10/15/2007	97.99	54.90	0.57	0.27	0.058	0.127	509	28	0.70	47	124	46	3016	29	0.001	43.09	99.53
PAT 07 - 14	44199	10/15/2007	98.78	55.35	0.54	0.26	0.067	0.021	463	28	0.25	39	<30	32	1480	1	0.000	43.39	99.53
PAT 07 - 14	44200	10/15/2007	98.34	55.10	0.55	0.26	0.063	0.024	460	26	0.30	47	31	33	769	12	0.000	43.38	99.27
PAT 07 - 14	44201	10/15/2007	98.77	55.34	0.57	0.27	0.050	0.033	444	20	0.08	53	68	22	2712	13	0.000	43.21	99.32
PAT 07 - 14	44202	10/15/2007	98.75	55.33	0.58	0.27	0.041	0.034	436	23	0.07	53	60	<20	2026	11	0.000	43.30	99.30
PAT 07 - 14	44203	10/15/2007	98.25	55.05	0.56	0.27	0.061	0.064	369	25	0.55	42	105	30	2104	12	0.000	43.53	99.79
PAT 07 - 14	44204	10/15/2007	98.69	55.30	0.56	0.27	0.074	0.048	366	25	0.23	47	72	27	2195	8	0.001	43.52	99.71
PAT 07 - 14	44205	10/15/2007	97.78	54.79	0.55	0.26	0.063	0.029	376	22	0.73	47	46	48	822	14	0.000	43.38	99.38
PAT 07 - 14	44206	10/15/2007	98.27	55.06	0.57	0.27	0.068	0.023	411	23	0.22	49	<30	27	925	4	0.000	43.36	99.14
PAT 07 - 14	44207	10/15/2007	98.78	55.35	0.58	0.28	0.062	0.027	388	27	0.10	55	49	22	956	8	0.000	43.33	99.29

PAT 07 - 14	44208	10/15/2007	98.35	55.10	0.58	0.28	0.104	0.093	376	41	0.38	71	141	24	2268	37	0.000	43.08	99.33
PAT 07 - 14	44209	10/15/2007	98.52	55.20	0.61	0.29	0.074	0.029	439	32	0.05	83	34	<20	997	3	0.000	43.14	98.94
PAT 07 - 14	44210	10/15/2007	98.75	55.33	0.63	0.30	0.089	0.046	448	35	0.10	76	68	<20	1301	11	0.000	43.06	99.11
PAT 07 - 14	44211	10/15/2007	98.67	55.29	0.76	0.36	0.063	0.037	398	30	0.15	57	47	20	902	19	0.000	42.93	98.98
PAT 07 - 14	44212	10/15/2007	97.16	54.44	0.71	0.34	0.145	0.453	418	38	0.69	106	571	20	1824	195	0.000	43.05	99.44
PAT 07 - 14	44213	10/15/2007	98.29	55.07	0.60	0.29	0.078	0.124	442	20	0.30	91	195	21	2880	57	0.000	43.17	99.41
PAT 07 - 14	44214	10/15/2007	98.38	55.12	0.61	0.29	0.072	0.260	404	37	0.23	102	138	20	1897	46	0.000	43.15	99.39
PAT 07 - 14	44215	10/15/2007	98.45	55.16	0.62	0.29	0.062	0.115	412	29	0.26	96	171	<20	2120	57	0.000	43.12	99.28
PAT 07 - 14	44216	10/15/2007	98.68	55.29	0.62	0.29	0.053	0.052	435	22	0.11	62	78	<20	2853	9	0.000	43.11	99.25
PAT 07 - 14	44217	10/15/2007	96.92	54.30	0.62	0.30	0.084	0.156	402	21	0.61	81	281	40	12263	89	0.000	42.03	98.79
PAT 07 - 14	44218	10/15/2007	98.73	55.32	0.57	0.27	0.040	0.024	388	15	0.12	72	42	<20	2953	18	0.000	43.05	99.16
PAT 07 - 14	44219	10/15/2007	98.43	55.15	0.59	0.28	0.070	0.076	391	32	0.44	79	127	25	772	33	0.000	42.98	99.15
PAT 07 - 14	44220	10/15/2007	98.97	55.45	0.57	0.27	0.031	0.049	379	21	0.10	77	74	<20	719	30	0.000	43.03	99.06
PAT 07 - 14	44221	10/15/2007	98.54	55.21	0.57	0.27	0.055	0.062	360	24	0.37	78	100	<20	857	26	0.000	43.73	99.83
PAT 07 - 14	44222	10/15/2007	98.58	55.23	0.64	0.31	0.081	0.093	349	41	0.28	72	154	<20	1294	41	0.000	43.41	99.58
PAT 07 - 14	44223	10/15/2007	97.79	54.79	0.73	0.35	0.245	0.153	407	59	0.31	139	348	<20	4405	136	0.000	43.03	99.37
PAT 07 - 14	44224	10/15/2007	97.97	54.89	0.74	0.35	0.183	0.092	407	42	0.17	99	175	<20	3546	54	0.000	43.12	99.22
PAT 07 - 14	44225	10/15/2007	91.48	51.25	5.82	2.78	0.249	0.392	379	60	1.08	120	773	43	2940	237	0.000	43.11	99.32
PAT 07 - 14	44226	10/15/2007	71.46	40.04	26.38	12.61	0.223	0.486	349	64	0.85	163	853	95	954	292	0.025	45.18	99.69
PAT 07 - 14	44227	10/15/2007	97.88	54.84	0.77	0.37	0.179	0.079	462	68	0.52	99	168	40	1238	42	0.000	43.12	99.32
PAT 07 - 14	44228	10/15/2007	98.30	55.08	0.65	0.31	0.215	0.097	488	69	0.38	89	222	34	1280	51	0.000	43.13	99.43
PAT 07 - 14	44229	10/15/2007	97.92	54.86	0.69	0.33	0.153	0.204	513	99	0.49	123	517	27	2222	126	0.000	42.85	99.26
PAT 07 - 14	44230	10/15/2007	98.47	55.17	0.61	0.29	0.077	0.076	478	52	0.37	99	144	26	760	40	0.000	43.71	99.85
PAT 07 - 14	44231	10/15/2007	98.69	55.30	0.56	0.27	0.044	0.032	455	34	0.08	84	63	<20	682	22	0.000	43.70	99.56
PAT 07 - 14	44232	10/15/2007	98.69	55.30	0.59	0.28	0.043	0.082	447	46	0.18	81	144	<20	857	102	0.000	43.59	99.65
PAT 07 - 14	44233	10/15/2007	98.43	55.15	0.69	0.33	0.082	0.108	538	32	0.26	111	251	26	738	63	0.000	43.46	99.56
PAT 07 - 14	44234	10/15/2007	97.71	54.74	0.73	0.35	0.128	0.246	482	44	0.56	95	444	22	847	165	0.000	43.30	99.54
PAT 07 - 14	44235	10/15/2007	97.96	54.88	0.71	0.34	0.091	0.230	368	72	0.44	81	366	27	1214	137	0.000	43.31	99.51
PAT 07 - 14	44236	10/15/2007	96.90	54.29	0.94	0.45	0.143	0.340	582	74	0.77	128	590	21	2674	264	0.000	42.86	99.29
PAT 07 - 14	44237	10/15/2007	97.31	54.52	0.99	0.47	0.123	0.202	506	65	0.49	99	375	<20	2005	211	0.000	43.11	99.25
PAT 07 - 14	44238	10/15/2007	98.67	55.28	0.63	0.30	0.040	0.058	586	36	0.12	98	102	<20	738	56	0.000	43.44	99.41
PAT 07 - 14	44239	10/15/2007	98.72	55.31	0.71	0.34	0.069	0.054	425	53	0.12	51	85	<20	811	24	0.000	43.55	99.59
PAT 07 - 14	44240	10/15/2007	97.28	54.50	1.32	0.63	0.122	0.167	441	107	0.40	65	232	<20	2069	118	0.000	43.23	99.36
PAT 07 - 14	44241	10/15/2007	98.92	55.42	0.66	0.31	0.035	0.056	376	33	0.12	71	72	<20	466	9	0.000	43.49	99.54
PAT 07 - 14	44242	10/15/2007	97.92	54.86	0.67	0.32	0.060	0.113	308	23	0.26	56	247	<20	1934	64	0.000	43.21	99.08
PAT 07 - 14	44243	10/15/2007	79.84	44.74	17.65	8.44	0.144	0.542	267	57	1.12	85	1245	120	483	269	0.002	44.31	99.53
PAT 07 - 14	44244	10/15/2007	94.22	52.79	1.81	0.86	0.260	0.770	243	110	1.67	131	1725	40	2840	527	0.000	42.31	99.22
PAT 07 - 14	44245	10/15/2007	98.04	54.93	0.55	0.26	0.047	0.248	211	46	0.20	39	162	<20	1487	47	0.000	43.27	99.16
PAT 07 - 14	44246	10/15/2007	97.16	54.44	0.60	0.29	0.160	0.418	235	39	0.89	64	703	23	1260	233	0.000	42.88	99.33
PAT 07 - 14	44247	10/15/2007	98.52	55.20	0.53	0.25	0.072	0.128	238	38	0.27	61	202	<20	750	57	0.000	43.29	99.35
PAT 07 - 14	44248	10/15/2007	98.51	55.20	0.52	0.25	0.068	0.122	285	42	0.33	109	243	28	1217	61	0.000	43.40	99.56
PAT 07 - 14	44249	10/15/2007	98.80	55.35	0.57	0.27	0.053	0.049	333	21	0.12	77	122	26	1099	20	0.000	43.45	99.47
PAT 07 - 14	44250	10/15/2007	98.54	55.21	0.51	0.24	0.153	0.208	304	28	0.17	62	197	20	1313	47	0.001	43.36	99.54
PAT 07 - 14	44251	10/15/2007	99.00	55.47	0.52	0.25	0.063	0.032	285	11	0.08	40	71	<20	1288	13	0.000	43.42	99.48
PAT 07 - 14	44252	10/15/2007	98.71	55.31	0.60	0.29	0.028	0.082	290	12	0.11	51	98	24	1738	3	0.000	43.43	99.46
PAT 07 - 14	44253	10/15/2007	98.99	55.46	0.53	0.25	0.045	0.017	315	13	0.04	42	44	<20	541	2	0.000	43.48	99.40
PAT 07 - 14	44254	10/15/2007	98.88	55.40	0.53	0.25	0.036	0.060	331	15	0.09	42	69	20	600	1	0.000	43.43	99.38
PAT 07 - 14	44255	10/15/2007	98.84	55.38	0.45	0.21	0.052	0.082	455	27	0.15	24	102	<20	673	18	0.000	43.23	99.23
PAT 07 - 14	44256	10/15/2007	97.86	54.83	0.57	0.27	0.106	0.208	402	19	0.53	52	438	1571	1081	108	0.000	43.11	99.27
PAT 07 - 14	44257	10/15/2007	98.95	55.44	0.55	0.26	0.039	0.027	371	13	0.07	40	70	1266	562	1	0.000	43.61	99.56
PAT 07 - 14	44258	10/15/2007	98.68	55.29	0.57	0.27	0.039	0.203	366	17	0.14	49	108	24	1484	19	0.000	43.46	99.61
PAT 07 - 14	44259	10/15/2007	98.84	55.38	0.55	0.26	0.035	0.030	345	13	0.14	44	93	<20	1345	3	0.000	43.46	99.49
PAT 07 - 14	44260	10/15/2007	98.90	55.41	0.55	0.26	0.052	0.038	393	16	0.08	44	93	<20	672	13	0.000	43.41	99.38
PAT 07 - 14	44261	10/15/2007	98.55	55.22	0.61	0.29	0.059	0.034	385	18	0.08	29	64	<20	<100	6	0.000	43.47	99.20
PAT 07 - 14	44262	10/15/2007	98.69	55.30	0.81	0.39	0.049	0.037	364	15	0.14	34	76	31	138	1	0.000	43.55	99.52
PAT 07 - 14	44263	10/15/2007	98.85	55.38	0.64	0.31	0.052	0.080	436	28	0.16	55	195	<20	212	46	0.000	43.35	99.43
PAT 07 - 14	44264	10/15/2007	98.35	55.10	0.67	0.32	0.120	0.148	366	44	0.33	65	334	28	404	81	0.000	43.29	99.44

PAT 07 - 14	44265	10/15/2007	98.30	55.08	0.53	0.25	0.105	0.168	411	28	0.39	35	384	30	361	85	0.000	43.34	99.47
PAT 07 - 14	44266	10/15/2007	98.21	55.03	0.67	0.32	0.059	0.165	366	26	0.30	61	358	32	244	93	0.000	43.49	99.48
PAT 07 - 14	44267	10/15/2007	98.44	55.16	0.62	0.29	0.068	0.128	354	26	0.30	56	351	35	301	77	0.000	43.53	99.59
PAT 07 - 14	44268	10/15/2007	98.47	55.17	0.62	0.30	0.057	0.155	311	26	0.35	49	354	28	338	88	0.000	43.47	99.62
PAT 07 - 14	44269	10/15/2007	98.49	55.18	0.57	0.27	0.068	0.185	303	28	0.43	46	387	36	298	93	0.000	43.43	99.68
PAT 07 - 14	44270	10/15/2007	98.75	55.33	0.60	0.29	0.059	0.116	319	27	0.24	46	246	22	279	54	0.000	43.43	99.56
PAT 07 - 14	44271	10/15/2007	98.30	55.08	0.62	0.30	0.079	0.150	303	39	0.47	47	305	29	352	82	0.000	43.36	99.55
PAT 07 - 14	44272	10/15/2007	98.76	55.33	0.66	0.32	0.040	0.048	285	18	0.16	36	119	21	100	18	0.000	43.52	99.47
PAT 07 - 14	44273	10/15/2007	98.86	55.39	0.58	0.28	0.037	0.067	360	22	0.12	60	113	<20	211	19	0.000	43.54	99.51
PAT 07 - 14	44274	10/15/2007	98.39	55.13	0.57	0.27	0.074	0.128	287	21	0.30	39	231	32	837	69	0.000	43.24	99.29
PAT 07 - 14	44275	10/15/2007	98.53	55.20	0.59	0.28	0.095	0.105	265	26	0.25	34	160	<20	871	80	0.000	43.49	99.57
PAT 07 - 14	44276	10/15/2007	98.47	55.17	0.80	0.38	0.047	0.084	285	17	0.24	44	173	30	814	55	0.000	43.49	99.55
PAT 07 - 14	44277	10/15/2007	91.72	51.39	7.43	3.55	0.056	0.132	296	15	0.28	43	214	33	601	63	0.000	44.01	99.54
PAT 07 - 14	44278	10/15/2007	98.08	54.95	0.79	0.38	0.100	0.205	307	17	0.49	39	367	20	836	128	0.000	43.30	99.59
PAT 07 - 14	44279	10/15/2007	71.59	40.11	27.06	12.94	0.078	0.227	193	30	0.50	27	277	49	703	196	0.000	45.25	99.25
PAT 07 - 14	44280	10/15/2007	97.64	54.71	1.56	0.75	0.057	0.134	231	15	0.27	31	184	<20	587	81	0.000	43.46	99.49
PAT 07 - 14	44281	10/15/2007	87.25	48.89	11.32	5.41	0.109	0.181	255	37	0.38	49	271	53	2885	78	0.000	43.94	99.27
PAT 07 - 14	44282	10/15/2007	97.47	54.61	1.81	0.86	0.070	0.093	198	20	0.20	36	135	22	679	58	0.000	43.39	99.34
PAT 07 - 14	44283	10/15/2007	98.72	55.31	0.66	0.32	0.109	0.070	224	31	0.13	28	56	<20	866	20	0.000	43.41	99.46
PAT 07 - 14	44284	10/15/2007	95.31	53.40	1.89	0.90	0.283	0.577	355	54	1.17	50	488	54	4613	473	0.000	42.29	99.23
PAT 07 - 14	44285	10/15/2007	97.55	54.65	0.97	0.46	0.098	0.241	252	30	0.53	64	450	28	1698	202	0.000	43.20	99.45
PAT 07 - 14	44286	10/15/2007	97.75	54.77	0.74	0.35	0.090	0.302	189	29	0.55	65	545	30	599	200	0.000	43.24	99.47
PAT 07 - 14	44287	10/15/2007	98.89	55.40	0.52	0.25	0.049	0.094	226	28	0.23	43	169	27	324	38	0.000	43.37	99.48
PAT 07 - 14	44288	10/15/2007	97.87	54.84	0.59	0.28	0.131	0.299	249	40	0.67	61	574	35	1269	171	0.000	43.05	99.50
PAT 07 - 14	44289	10/15/2007	99.02	55.48	0.55	0.26	0.031	0.035	365	11	0.09	58	55	<20	453	28	0.000	43.37	99.37
PAT 07 - 14	44290	10/15/2007	99.08	55.52	0.51	0.24	0.028	0.014	371	7	0.08	48	36	30	433	2	0.000	43.32	99.29
PAT 07 - 14	44291	10/15/2007	98.92	55.42	0.52	0.25	0.020	0.022	390	9	0.06	83	40	<20	1129	2	0.001	43.34	99.28
PAT 07 - 14	44292	10/15/2007	99.01	55.47	0.55	0.26	0.042	0.018	376	14	0.10	64	56	34	353	23	0.000	43.31	99.30
PAT 07 - 14	44293	10/15/2007	98.70	55.30	0.57	0.27	0.067	0.137	377	19	0.26	68	140	21	630	63	0.000	43.80	99.97
PAT 07 - 14	44294	10/15/2007	98.79	55.35	0.54	0.26	0.056	0.066	392	17	0.15	50	97	26	1267	37	0.000	43.74	99.80
PAT 07 - 14	44295	10/15/2007	98.59	55.24	0.55	0.26	0.067	0.177	369	23	0.36	41	210	81	328	68	0.000	43.75	99.96
PAT 07 - 14	44296	10/15/2007	97.45	54.60	0.64	0.31	0.152	0.363	382	27	0.80	54	542	25	547	244	0.000	43.48	99.88
PAT 07 - 14	44297	10/15/2007	98.81	55.36	0.52	0.25	0.058	0.054	393	15	0.12	38	87	23	308	26	0.000	43.81	99.74
PAT 07 - 14	44298	10/15/2007	98.59	55.24	0.60	0.29	0.083	0.143	320	29	0.33	47	233	25	371	93	0.000	43.67	99.86
PAT 07 - 14	44299	10/15/2007	98.67	55.28	0.63	0.30	0.044	0.078	293	22	0.24	38	139	60	252	46	0.000	43.66	99.69
PAT 07 - 14	44300	10/15/2007	97.97	54.89	1.61	0.77	0.035	0.032	323	16	0.09	32	43	<20	275	14	0.000	43.86	99.75
PAT 07 - 14	44301	10/15/2007	98.17	55.01	0.61	0.29	0.091	0.224	290	35	0.49	42	328	22	483	152	0.000	43.55	99.79
PAT 07 - 14	44302	10/15/2007	95.28	53.38	4.04	1.93	0.041	0.114	313	24	0.16	44	129	29	958	41	0.000	44.08	99.86
PAT 07 - 14	44303	10/15/2007	98.59	55.24	0.57	0.27	0.051	0.108	360	16	0.21	56	159	33	1609	43	0.000	43.49	99.59
PAT 07 - 14	44304	10/15/2007	98.88	55.40	0.50	0.24	0.053	0.031	331	15	0.11	44	74	30	1689	16	0.000	43.67	99.73
PAT 07 - 14	44305	10/15/2007	97.47	54.61	0.69	0.33	0.156	0.318	447	34	0.69	63	542	31	1438	219	0.000	43.41	99.79
PAT 07 - 14	44306	10/15/2007	98.69	55.29	0.68	0.32	0.056	0.048	379	14	0.14	48	137	21	668	15	0.000	44.02	100.01
PAT 07 - 14	44307	10/15/2007	98.00	54.91	1.29	0.62	0.059	0.092	327	19	0.25	46	182	50	819	51	0.000	43.72	99.79
PAT 07 - 14	44308	10/15/2007	95.23	53.35	4.28	2.05	0.054	0.031	338	18	0.11	37	78	38	552	5	0.000	44.02	99.72
PAT 07 - 14	44309	10/15/2007	96.46	54.05	3.06	1.46	0.034	0.049	316	13	0.10	35	136	26	699	22	0.000	43.86	99.67
PAT 07 - 14	44310	10/15/2007	98.80	55.36	0.78	0.37	0.032	0.035	308	14	0.13	36	91	39	636	3	0.000	43.65	99.68
PAT 07 - 14	44311	10/15/2007	98.81	55.36	0.62	0.29	0.058	0.068	475	14	0.15	45	153	36	615	21	0.000	43.81	99.87
PAT 07 - 14	44312	10/15/2007	98.03	54.92	0.66	0.32	0.094	0.243	489	22	0.55	67	419	29	686	174	0.000	43.44	99.75
PAT 07 - 14	44313	10/15/2007	99.08	55.51	0.56	0.27	0.032	0.025	457	11	0.09	44	54	20	333	31	0.000	43.80	99.82
PAT 07 - 14	44314	10/15/2007	98.85	55.38	0.56	0.27	0.034	0.083	461	10	0.18	46	132	60	652	19	0.000	43.73	99.81
PAT 07 - 14	44315	10/15/2007	98.92	55.42	0.56	0.27	0.071	0.045	441	14	0.11	47	111	34	584	9	0.000	43.74	99.78
PAT 07 - 14	44316	10/15/2007	98.51	55.19	0.81	0.39	0.072	0.074	453	24	0.20	61	206	53	920	34	0.000	43.69	99.78
PAT 07 - 14	44317	10/15/2007	96.98	54.33	1.95	0.93	0.110	0.166	345	41	0.36	55	471	42	1154	114	0.002	43.50	99.63
PAT 07 - 14	44318	10/15/2007	98.78	55.34	0.64	0.31	0.080	0.038	364	25	0.15	39	103	46	1001	9	0.009	43.61	99.69
PAT 07 - 14	44319	10/15/2007	93.77	52.54	5.57	2.66	0.043	0.051	367	27	0.17	39	137	74	795	31	0.000	43.98	99.59
PAT 07 - 14	44320	10/15/2007	98.44	55.15	1.02	0.49	0.060	0.036	456	18	0.09	44	87	14	905	38	0.000	43.76	99.75
PAT 07 - 14	44321	10/15/2007	98.60	55.25	0.69	0.33	0.084	0.093	646	11	0.20	57	188	21	837	87	0.000	43.65	99.79

PAT 07 - 14	44322	10/15/2007	98.88	55.40	0.74	0.35	0.058	0.025	581	8	0.07	60	54	24	437	23	0.000	43.81	99.83
PAT 07 - 14	44323	10/15/2007	98.81	55.36	0.64	0.31	0.073	0.057	558	10	0.13	53	125	<20	613	63	0.000	43.67	99.72
PAT 07 - 14	44324	10/15/2007	98.76	55.33	0.58	0.28	0.074	0.063	494	15	0.19	52	162	23	1154	40	0.000	43.64	99.75
PAT 07 - 14	44325	10/15/2007	98.22	55.03	0.67	0.32	0.127	0.125	474	27	0.33	49	318	46	656	115	0.000	43.46	99.56
PAT 07 - 14	44326	10/15/2007	97.59	54.68	0.97	0.47	0.146	0.222	492	34	0.62	60	352	56	855	170	0.000	43.31	99.65
PAT 07 - 14	44327	10/15/2007	98.85	55.38	0.63	0.30	0.039	0.050	448	20	0.12	47	75	<20	512	34	0.000	43.52	99.52
PAT 07 - 14	44328	10/15/2007	97.82	54.81	1.07	0.51	0.069	0.172	487	28	0.49	47	80	<20	959	98	0.000	43.38	99.59
PAT 07 - 14	44329	10/15/2007	98.01	54.91	0.89	0.43	0.096	0.171	444	30	0.47	42	266	20	1095	157	0.000	43.31	99.59
PAT 07 - 14	44330	10/15/2007	98.14	54.98	0.78	0.37	0.103	0.170	408	27	0.43	40	310	30	716	135	0.000	43.22	99.45
PAT 07 - 14	44331	10/15/2007	97.86	54.83	0.73	0.35	0.129	0.242	413	33	0.56	46	483	30	803	177	0.000	43.20	99.51
PAT 07 - 14	44332	10/15/2007	98.38	55.12	0.63	0.30	0.115	0.162	445	27	0.37	59	407	46	862	130	0.000	43.25	99.52
PAT 07 - 14	44333	10/15/2007	96.44	54.04	0.78	0.38	0.279	0.525	397	77	1.12	81	1177	28	1924	445	0.001	42.87	99.62
PAT 07 - 14	44334	10/15/2007	96.18	53.89	0.80	0.38	0.380	0.684	414	63	1.37	88	2029	62	1071	631	0.000	42.62	99.76
PAT 07 - 14	44335	10/15/2007	96.68	54.17	0.76	0.36	0.303	0.467	475	47	0.97	78	1302	33	908	414	0.000	42.98	99.58
PAT 07 - 14	44336	10/15/2007	98.51	55.19	0.58	0.28	0.115	0.139	629	49	0.31	29	311	<20	450	102	0.000	43.46	99.61
PAT 07 - 14	44337	10/15/2007	98.10	54.96	0.62	0.30	0.113	0.185	467	43	0.43	87	528	32	1305	133	0.000	43.17	99.41
PAT 07 - 14	44338	10/15/2007	98.92	55.42	0.59	0.28	0.045	0.029	421	31	0.09	37	66	<20	429	1	0.000	43.44	99.40
PAT 07 - 14	44339	10/15/2007	98.70	55.30	0.69	0.33	0.083	0.036	488	53	0.16	81	81	38	1098	12	0.000	43.46	99.55
PAT 07 - 14	44340	10/15/2007	98.71	55.31	0.67	0.32	0.057	0.034	475	50	0.20	62	75	74	1059	2	0.000	43.39	99.48
PAT 07 - 14	44341	10/15/2007	98.70	55.30	0.59	0.28	0.053	0.046	439	37	0.19	46	129	41	1692	18	0.000	43.41	99.52
PAT 07 - 14	44342	10/15/2007	98.62	55.26	0.67	0.32	0.071	0.075	439	38	0.20	43	123	39	1343	31	0.000	43.52	99.65
PAT 07 - 14	44343	10/15/2007	98.49	55.18	0.70	0.33	0.070	0.087	470	60	0.20	56	163	26	1092	53	0.000	43.45	99.52
PAT 07 - 14	44344	10/15/2007	97.30	54.52	0.76	0.36	0.161	0.297	427	70	0.66	70	440	32	1623	208	0.000	43.23	99.52
PAT 07 - 14	44345	10/15/2007	98.60	55.25	0.75	0.36	0.073	0.095	461	55	0.21	64	153	23	1311	86	0.000	43.48	99.68
PAT 07 - 14	44346	10/15/2007	98.51	55.20	0.86	0.41	0.069	0.056	508	39	0.16	61	66	38	863	11	0.002	43.59	99.64
PAT 07 - 14	44347	10/15/2007	98.67	55.28	0.73	0.35	0.078	0.026	457	34	0.08	58	43	47	699	2	0.000	43.56	99.51
PAT 07 - 14	44348	10/15/2007	98.70	55.30	0.70	0.33	0.029	0.023	468	33	0.07	58	47	30	1145	20	0.000	43.47	99.41
PAT 07 - 14	44349	10/15/2007	98.29	55.07	0.76	0.36	0.058	0.116	465	35	0.27	66	179	25	624	64	0.000	43.38	99.41
PAT 07 - 14	44350	10/15/2007	98.60	55.24	0.64	0.30	0.074	0.029	483	39	0.06	61	73	45	530	4	0.000	43.48	99.32
PAT 07 - 14	44351	10/15/2007	98.26	55.05	0.73	0.35	0.074	0.095	476	37	0.23	66	227	37	1841	91	0.000	43.27	99.35
PAT 07 - 14	44352	10/15/2007	87.83	49.21	11.20	5.35	0.085	0.096	339	65	0.27	64	66	29	2043	91	0.000	44.10	99.38
PAT 07 - 14	44353	10/15/2007	98.66	55.28	0.73	0.35	0.059	0.023	461	32	0.07	57	52	37	456	1	0.006	43.56	99.44
PAT 07 - 14	44354	10/15/2007	98.72	55.31	0.67	0.32	0.043	0.033	496	38	0.12	66	69	34	1561	36	0.000	43.44	99.50
PAT 07 - 14	44355	10/15/2007	98.22	55.03	0.68	0.32	0.069	0.083	469	47	0.26	72	192	104	2265	34	0.000	43.46	99.55
PAT 07 - 14	44356	10/15/2007	98.62	55.25	0.76	0.36	0.065	0.045	524	42	0.13	77	99	47	818	8	0.000	43.70	99.72
PAT 07 - 14	44357	10/15/2007	98.49	55.18	0.66	0.32	0.075	0.124	464	41	0.23	65	126	45	645	27	0.000	43.67	99.73
PAT 07 - 14	44358	10/15/2007	98.61	55.25	0.77	0.37	0.062	0.061	470	42	0.18	69	137	40	778	34	0.000	43.63	99.71
PAT 07 - 14	44359	10/15/2007	98.75	55.33	0.59	0.28	0.054	0.087	473	37	0.21	69	169	46	555	36	0.000	43.68	99.78
PAT 07 - 14	44360	10/15/2007	98.91	55.42	0.61	0.29	0.032	0.043	490	33	0.09	81	87	29	1004	32	0.000	43.67	99.72
PAT 07 - 14	44361	10/15/2007	98.89	55.41	0.63	0.30	0.032	0.021	492	31	0.07	78	38	36	340	2	0.000	43.82	99.74
PAT 07 - 14	44362	10/15/2007	98.68	55.29	0.69	0.33	0.050	0.047	487	38	0.19	77	117	51	915	9	0.000	43.66	99.73
PAT 07 - 14	44363	10/15/2007	98.99	55.46	0.65	0.31	0.027	0.034	476	34	0.07	64	46	48	395	2	0.000	43.57	99.57
PAT 07 - 14	44364	10/15/2007	98.20	55.02	0.65	0.31	0.078	0.141	452	38	0.40	68	235	47	476	82	0.001	43.55	99.64
PAT 07 - 14	44365	10/15/2007	98.64	55.27	0.68	0.33	0.068	0.077	500	38	0.16	78	167	40	824	75	0.000	43.26	99.33
PAT 07 - 14	44366	10/15/2007	98.70	55.30	0.59	0.28	0.110	0.086	455	40	0.23	65	179	40	675	46	0.000	43.10	99.25
PAT 07 - 14	44367	10/15/2007	98.68	55.29	0.65	0.31	0.094	0.060	515	36	0.14	79	130	35	1100	42	0.000	43.15	99.24
PAT 07 - 14	44368	10/15/2007	99.00	55.47	0.65	0.31	0.057	0.017	463	33	0.05	59	33	30	276	1	0.000	43.33	99.32
PAT 07 - 14	44369	10/15/2007	98.72	55.31	0.71	0.34	0.088	0.054	474	40	0.14	58	114	25	541	13	0.000	43.09	99.15
PAT 07 - 14	44370	10/15/2007	98.71	55.31	0.69	0.33	0.034	0.070	504	34	0.20	79	117	48	570	28	0.000	43.13	99.20
PAT 07 - 14	44371	10/15/2007	98.46	55.16	0.64	0.30	0.072	0.095	497	40	0.27	85	185	32	830	46	0.000	43.01	99.09
PAT 07 - 14	44372	10/15/2007	98.80	55.36	0.58	0.28	0.067	0.059	480	37	0.16	77	92	34	357	34	0.000	43.08	99.11
PAT 07 - 14	44373	10/15/2007	98.98	55.46	0.54	0.26	0.025	0.018	497	28	0.09	73	<30	35	420	13	0.000	43.07	99.03
PAT 07 - 14	44374	10/15/2007	98.86	55.39	0.52	0.25	0.034	0.020	460	29	0.14	71	36	33	543	2	0.000	43.02	98.97
PAT 07 - 14	44375	10/15/2007	99.10	55.53	0.50	0.24	0.040	0.015	442	26	0.06	58	<30	34	527	1	0.000	42.92	98.90
PAT 07 - 14	44376	10/15/2007	98.74	55.32	0.62	0.30	0.052	0.055	450	25	0.19	60	96	32	1581	30	0.000	43.02	99.15
PAT 07 - 14	44377	10/15/2007	98.90	55.41	0.53	0.25	0.053	0.038	389	27	0.08	50	58	39	1311	5	0.000	43.16	99.19
PAT 07 - 14	44378	10/15/2007	98.83	55.37	0.55	0.26	0.047	0.027	363	24	0.07	47	55	29	2965	8	0.000	42.96	99.08

PAT 07 - 14	44379	10/15/2007	96.99	54.34	2.14	1.02	0.068	0.076	377	26	0.20	51	186	42	876	38	0.008	43.43	99.31
PAT 07 - 14	44380	10/15/2007	71.07	39.82	22.12	10.57	0.755	1.393	333	69	3.25	166	3494	128	2273	1449	0.076	43.20	99.85
PAT 07 - 14	44381	10/15/2007	98.06	54.94	1.18	0.56	0.040	0.045	393	24	0.10	53	98	20	672	142	0.000	43.15	98.98
PAT 07 - 14	44382	10/15/2007	98.84	55.38	0.60	0.29	0.031	0.034	403	21	0.07	48	71	<20	1012	140	0.000	43.05	99.00
PAT 07 - 14	44383	10/15/2007	98.14	54.99	0.85	0.41	0.055	0.072	441	33	0.18	58	182	41	540	31	0.002	43.24	99.08
PAT 07 - 14	44384	10/15/2007	96.92	54.30	1.77	0.84	0.132	0.164	431	31	0.36	75	427	42	1020	114	0.000	43.14	99.15
PAT 07 - 14	44385	10/15/2007	98.71	55.31	0.66	0.32	0.148	0.038	419	44	0.11	53	81	<20	986	36	0.000	43.08	99.15
PAT 07 - 14	44386	10/15/2007	98.93	55.43	0.55	0.26	0.045	0.021	426	30	0.04	57	39	<20	521	170	0.000	43.67	99.57
PAT 07 - 14	44387	10/15/2007	98.46	55.17	0.65	0.31	0.091	0.104	421	32	0.24	64	183	<20	752	92	0.000	42.90	98.94
PAT 07 - 14	44388	10/15/2007	98.47	55.17	0.63	0.30	0.098	0.073	478	32	0.28	63	191	46	1067	45	0.000	43.09	99.21
PAT 07 - 14	44389	10/15/2007	98.62	55.26	0.60	0.29	0.066	0.039	486	28	0.18	49	73	35	353	6	0.000	42.98	98.91
PAT 07 - 14	44390	10/15/2007	98.15	54.99	0.86	0.41	0.054	0.047	450	26	0.10	52	45	13	1331	91	0.000	43.03	98.84
PAT 07 - 14	44391	10/15/2007	98.41	55.14	0.84	0.40	0.087	0.081	557	34	0.22	52	49	<20	1705	13	0.000	43.08	99.24
PAT 07 - 14	44392	10/15/2007	98.26	55.05	1.13	0.54	0.035	0.057	588	24	0.14	44	<30	<20	812	34	0.000	43.18	99.15
PAT 07 - 14	44393	10/15/2007	98.63	55.26	0.76	0.36	0.049	0.056	470	24	0.15	41	<30	<20	944	66	0.000	43.06	99.08
PAT 07 - 14	44394	10/15/2007	96.14	53.87	2.36	1.13	0.125	0.233	588	23	0.60	52	86	<20	1644	245	0.024	43.26	99.47
PAT 07 - 14	44395	10/15/2007	77.91	43.65	18.58	8.88	0.229	0.509	497	44	1.37	91	100	52	5221	408	0.028	43.99	99.24
PAT 07 - 14	44396	10/15/2007	96.40	54.01	2.63	1.26	0.078	0.165	600	26	0.46	81	47	<20	916	87	0.007	43.34	99.48
PAT 07 - 14	44397	10/15/2007	97.59	54.68	1.68	0.81	0.064	0.080	549	27	0.17	57	<30	<20	825	19	0.005	43.36	99.30
PAT 07 - 14	44398	10/15/2007	96.21	53.90	3.08	1.47	0.043	0.059	508	24	0.13	45	<30	<20	1143	73	0.003	43.43	99.21
PAT 07 - 14	44399	10/15/2007	93.79	52.55	4.92	2.35	0.132	0.178	478	28	0.44	48	<30	<20	1065	287	0.012	43.54	99.36
PAT 07 - 14	44400	10/15/2007	96.48	54.06	2.49	1.19	0.075	0.124	420	27	0.33	39	<30	<20	1712	169	0.000	43.03	99.03
PAT 07 - 14	44401	10/15/2007	97.42	54.58	1.66	0.79	0.126	0.072	448	59	0.27	41	<30	<20	1051	23	0.000	43.79	99.80
PAT 07 - 14	44402	10/15/2007	86.20	48.29	10.08	4.82	0.338	0.430	562	42	1.64	77	68	48	10291	432	0.041	43.04	99.75
PAT 07 - 14	44403	10/15/2007	96.07	53.83	3.02	1.44	0.090	0.080	457	29	0.33	41	<30	<20	1856	33	0.001	43.74	99.75
PAT 07 - 14	44404	10/15/2007	95.76	53.65	3.18	1.52	0.075	0.066	450	28	0.40	45	<30	27	1785	30	0.000	43.70	99.65
PAT 07 - 14	44405	10/15/2007	91.87	51.47	6.85	3.28	0.144	0.097	414	33	0.32	58	70	43	2160	74	0.012	43.99	99.60
PAT 07 - 14	44406	10/15/2007	97.86	54.83	1.34	0.64	0.055	0.046	349	29	0.17	37	70	30	1769	29	0.000	43.48	99.46
PAT 07 - 14	44407	10/15/2007	98.35	55.11	0.97	0.46	0.045	0.044	338	26	0.12	36	72	20	1053	24	0.000	43.52	99.46
PAT 07 - 14	44408	10/15/2007	80.43	45.06	14.02	6.70	0.600	1.097	351	63	2.26	101	320	49	11894	952	0.107	41.23	98.43
PAT 07 - 14	44409	10/15/2007	94.78	53.10	3.88	1.85	0.142	0.180	389	31	0.50	46	226	44	1261	137	0.023	43.63	99.65
PAT 07 - 14	44410	10/15/2007	91.58	51.31	7.18	3.43	0.121	0.151	375	31	0.54	52	340	71	1386	92	0.034	44.06	99.88
PAT 07 - 14	44411	10/15/2007	86.47	48.45	10.30	4.93	0.469	0.552	411	49	1.37	93	1116	72	3321	663	0.266	43.29	99.89
PAT 07 - 14	44412	10/15/2007	93.80	52.56	5.03	2.41	0.087	0.323	343	40	0.23	44	152	54	900	48	0.000	43.96	99.72
PAT 07 - 14	44413	10/15/2007	82.92	46.46	14.77	7.06	0.189	0.324	337	39	0.68	77	713	54	1082	195	0.051	44.46	99.47
PAT 07 - 14	44414	10/15/2007	78.53	44.00	19.81	9.47	0.152	0.199	371	42	0.55	76	509	79	3075	171	0.056	44.93	99.79
PAT 07 - 14	44415	10/15/2007	93.48	52.37	5.84	2.79	0.059	0.063	382	23	0.27	48	153	43	580	39	0.013	44.18	99.88
PAT 07 - 14	44416	10/15/2007	96.56	54.10	2.63	1.26	0.064	0.075	439	23	0.20	50	172	29	1423	46	0.032	43.71	99.66
PAT 07 - 14	44417	10/15/2007	86.99	48.74	9.38	4.48	0.254	0.531	491	42	1.57	107	1488	88	4567	370	0.186	43.09	99.57
PAT 07 - 14	44418	10/15/2007	95.66	53.60	3.56	1.70	0.052	0.062	362	24	0.33	41	171	52	932	26	0.000	43.65	99.55
PAT 07 - 14	44419	10/15/2007	91.69	51.37	7.09	3.39	0.089	0.110	374	28	0.35	42	234	34	1435	96	0.017	44.15	99.70
PAT 07 - 14	44420	10/15/2007	89.07	49.90	9.24	4.42	0.140	0.238	384	48	0.76	53	565	49	2230	143	0.046	43.94	99.79
PAT 07 - 14	44421	10/15/2007	51.18	28.67	24.02	11.48	1.551	3.091	273	187	11.07	345	10907	252	1609	2848	1.290	35.87	94.67
PAT 07 - 14	44422	10/15/2007	87.25	48.88	8.78	4.20	0.198	0.340	342	63	2.30	62	898	49	1035	253	0.063	43.12	99.37
PAT 07 - 14	44423	10/15/2007	96.81	54.24	2.02	0.97	0.135	0.113	443	40	0.44	47	286	23	971	67	0.023	43.61	99.72
PAT 07 - 14	44424	10/15/2007	94.03	52.69	2.81	1.34	0.230	0.420	514	39	1.20	77	1165	47	2033	310	0.124	43.19	99.61
PAT 07 - 14	44425	10/15/2007	87.22	48.87	3.80	1.82	0.527	1.100	731	71	5.22	161	3245	94	8437	876	0.449	40.21	99.56
PAT 07 - 14	44426	10/15/2007	82.13	46.02	3.25	1.55	0.546	0.985	890	122	9.38	210	3136	123	8686	923	0.459	37.46	97.81
PAT 07 - 14	44427	10/15/2007	78.46	43.96	4.49	2.15	0.585	1.063	722	147	9.97	165	3329	119	5543	942	0.471	37.20	96.49

10/Can Geo/Stone		Sample	Date	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total
PAT 07-15	44428	10/15/2007	97.39	54.57	1.38	0.66	0.120	0.040	523	95	0.24	98	91	37	755	20	0.000	43.54	99.33	
PAT 07-15	44429	10/15/2007	98.38	55.12	0.81	0.39	0.157	0.078	572	85	0.18	114	168	25	1555	49	0.000	43.51	99.69	
PAT 07-15	44430	10/15/2007	97.68	54.73	0.79	0.38	0.096	0.182	552	62	0.69	137	450	16	1497	198	0.005	43.49	99.86	
PAT 07-15	44431	10/15/2007	98.53	55.20	0.58	0.28	0.050	0.030	514	70	0.18	83	82	46	1403	8	0.000	43.47	99.43	
PAT 07-15	44432	10/15/2007	98.96	55.45	0.55	0.26	0.044	0.023	478	56	0.07	71	48	15	607	5	0.000	43.56	99.53	
PAT 07-15	44433	10/15/2007	98.86	55.39	0.60	0.29	0.055	0.039	522	36	0.21	91	106	45	772	7	0.000	43.64	99.78	
PAT 07-15	44434	10/15/2007	91.77	51.42	2.34	1.12	0.325	0.636	630	71	3.81	178	1921	122	5464	518	0.032	41.57	99.80	
PAT 07-15	44435	10/15/2007	96.81	54.24	1.01	0.48	0.122	0.191	627	32	0.89	126	508	35	971	155	0.029	43.50	99.70	
PAT 07-15	44436	10/15/2007	97.38	54.56	1.03	0.49	0.122	0.125	576	30	0.34	116	333	<20	1114	124	0.018	43.72	99.60	
PAT 07-15	44437	10/15/2007	98.92	55.43	0.70	0.33	0.048	0.016	523	50	0.04	74	38	26	490	2	0.000	43.59	99.57	
PAT 07-15	44438	10/15/2007	95.57	53.55	2.58	1.23	0.587	0.169	479	120	0.40	96	415	38	3422	125	0.019	43.52	99.94	
PAT 07-15	44439	10/15/2007	98.64	55.27	0.67	0.32	0.044	0.047	405	48	0.15	59	115	25	853	10	0.000	43.56	99.54	
PAT 07-15	44440	10/15/2007	97.01	54.35	1.86	0.89	0.129	0.135	568	37	0.33	121	344	44	1587	101	0.015	43.69	99.82	
PAT 07-15	44441	10/15/2007	98.48	55.18	0.77	0.37	0.058	0.070	588	25	0.18	103	177	16	654	59	0.003	43.54	99.56	
PAT 07-15	44442	10/15/2007	98.49	55.18	0.80	0.38	0.036	0.051	551	27	0.22	91	141	34	773	33	0.003	43.70	99.74	
PAT 07-15	44443	10/15/2007	98.34	55.10	0.64	0.31	0.030	0.018	540	34	0.06	81	47	<20	657	27	0.003	43.74	99.39	
PAT 07-15	44444	10/15/2007	97.33	54.53	0.69	0.33	0.157	0.353	681	46	0.76	167	1047	57	1961	288	0.006	43.31	99.87	
PAT 07-15	44445	10/15/2007	98.80	55.36	0.78	0.37	0.030	0.020	542	45	0.05	66	49	48	817	3	0.000	43.59	99.58	
PAT 07-15	44446	10/15/2007	98.91	55.42	0.55	0.26	0.057	0.022	470	48	0.05	52	49	28	996	2	0.000	43.51	99.48	
PAT 07-15	44447	10/15/2007	98.70	55.30	0.62	0.30	0.057	0.046	464	56	0.18	55	105	40	1695	21	0.000	43.40	99.52	
PAT 07-15	44448	10/15/2007	98.93	55.43	0.55	0.27	0.050	0.025	384	73	0.06	53	63	26	732	3	0.000	43.52	99.48	
PAT 07-15	44449	10/15/2007	98.40	55.13	0.66	0.31	0.100	0.111	346	60	0.33	45	175	36	1218	68	0.000	43.25	99.43	
PAT 07-15	44450	10/15/2007	98.86	55.39	0.63	0.30	0.052	0.048	333	37	0.16	44	91	23	760	11	0.000	43.37	99.45	
PAT 07-15	44451	10/15/2007	98.44	55.16	0.53	0.25	0.074	0.041	295	32	0.16	38	71	<20	498	24	0.000	43.60	99.38	
PAT 07-15	44452	10/15/2007	98.82	55.37	0.51	0.24	0.027	0.032	309	26	0.22	38	66	60	829	4	0.000	43.54	99.56	
PAT 07-15	44453	10/15/2007	97.98	54.90	1.40	0.67	0.043	0.081	335	38	0.18	55	120	42	706	26	0.000	43.50	99.50	
PAT 07-15	44454	10/15/2007	98.45	55.16	0.58	0.28	0.070	0.073	394	38	0.21	73	126	20	917	20	0.000	43.43	99.38	
PAT 07-15	44455	10/15/2007	93.49	52.38	3.40	1.63	0.268	0.681	260	61	1.44	109	1399	53	1199	515	0.000	42.71	99.46	
PAT 07-15	44456	10/15/2007	98.22	55.03	0.57	0.27	0.090	0.166	270	60	0.51	45	317	27	1046	78	0.000	43.31	99.56	
PAT 07-15	44457	10/15/2007	97.26	54.49	0.64	0.30	0.135	0.239	301	28	0.67	52	460	46	1191	128	0.000	43.21	99.27	
PAT 07-15	44458	10/15/2007	98.95	55.44	0.58	0.28	0.056	0.026	336	20	0.10	36	63	37	985	7	0.000	43.52	99.57	
PAT 07-15	44459	10/15/2007	98.50	55.19	0.54	0.26	0.099	0.045	296	21	0.11	41	77	39	1102	21	0.000	43.49	99.35	
PAT 07-15	44460	10/15/2007	98.89	55.41	0.57	0.27	0.079	0.031	324	21	0.14	45	68	39	574	6	0.000	43.54	99.57	
PAT 07-15	44461	10/15/2007	98.83	55.37	0.52	0.25	0.056	0.031	282	18	0.14	37	79	42	907	6	0.000	43.50	99.48	
PAT 07-15	44462	10/15/2007	98.94	55.43	0.57	0.27	0.038	0.026	323	17	0.18	38	68	51	851	5	0.000	43.73	99.82	
PAT 07-15	44463	10/15/2007	98.87	55.40	0.56	0.27	0.041	0.051	324	17	0.12	36	100	24	885	31	0.000	43.68	99.70	
PAT 07-15	44464	10/15/2007	98.89	55.41	0.60	0.29	0.037	0.049	342	17	0.07	42	99	46	1054	6	0.000	43.67	99.69	
PAT 07-15	44465	10/15/2007	98.83	55.37	0.60	0.29	0.027	0.022	358	12	0.06	37	72	27	851	8	0.000	43.64	99.55	
PAT 07-15	44466	10/15/2007	98.56	55.22	0.61	0.29	0.037	0.041	302	13	0.06	34	61	40	693	3	0.000	43.46	99.23	
PAT 07-15	44467	10/15/2007	98.90	55.41	0.65	0.31	0.034	0.032	338	17	0.03	45	43	33	517	1	0.000	43.58	99.49	
PAT 07-15	44468	10/15/2007	98.92	55.43	0.62	0.30	0.037	0.019	357	15	0.12	47	58	58	479	3	0.000	43.69	99.68	
PAT 07-15	44469	10/15/2007	99.05	55.50	0.55	0.26	0.036	0.018	358	13	0.05	39	40	30	304	2	0.000	43.67	99.60	
PAT 07-15	44470	10/15/2007	97.94	54.87	0.55	0.26	0.040	0.020	348	11	0.05	42	42	<20	369	33	0.000	43.57	98.90	
PAT 07-15	44471	10/15/2007	99.02	55.48	0.57	0.27	0.035	0.021	407	13	0.06	48	48	33	467	1	0.000	43.65	99.61	
PAT 07-15	44472	10/15/2007	99.01	55.47	0.53	0.25	0.055	0.020	373	16	0.09	47	47	31	701	1	0.000	43.65	99.66	
PAT 07-15	44473	10/15/2007	98.17	55.00	0.52	0.25	0.083	0.029	335	23	0.57	45	66	39	1156	29	0.000	43.56	99.66	
PAT 07-15	44474	10/15/2007	98.94	55.43	0.57	0.27	0.045	0.018	355	14	0.15	47	43	26	720	60	0.000	43.79	99.83	
PAT 07-15	44475	10/15/2007	98.52	55.20	0.68	0.33	0.041	0.041	388	23	0.39	46	109	70	493	11	0.000	43.59	99.70	
PAT 07-15	44476	10/15/2007	98.92	55.42	0.69	0.33	0.045	0.030	352	21	0.07	45	67	29	624	44	0.000	43.56	99.57	
PAT 07-15	44477	10/15/2007	98.60	55.24	0.66	0.32	0.036	0.049	355	17	0.18	48	72	40	808	3	0.000	43.68	99.64	
PAT 07-15	44478	10/15/2007	97.87	54.83	0.60	0.29	0.042	0.033	396	18	0.37	52	74	35	692	17	0.000	43.57	99.26	
PAT 07-15	44479	10/15/2007	98.47	55.17	0.64	0.31	0.050	0.041	373	17	0.38	52	93	55	938	15	0.001	43.55	99.66	
PAT 07-15	44480	10/15/2007	98.59	55.24	0.66	0.32	0.042	0.030	442	14	0.17	49	70	36	812	48	0.000	43.58	99.52	
PAT 07-15	44481	10/15/2007	98.29	55.07	0.64	0.31	0.062	0.034	413	17	0.52	54	99	54	771	28	0.005	43.61	99.75	

PAT 07-15	44482	10/15/2007	98.92	55.43	0.60	0.29	0.084	0.034	356	19	0.06	44	52	22	527	1	0.000	43.45	99.45
PAT 07-15	44483	10/15/2007	98.90	55.41	0.56	0.27	0.062	0.019	314	16	0.06	40	60	31	556	23	0.000	43.40	99.33
PAT 07-15	44484	10/15/2007	98.58	55.23	0.60	0.29	0.050	0.026	337	19	0.36	44	76	53	701	19	0.000	43.47	99.55
PAT 07-15	44485	10/15/2007	98.82	55.37	0.57	0.27	0.071	0.022	364	27	0.24	39	63	45	339	18	0.000	43.41	99.47
PAT 07-15	44486	10/15/2007	98.77	55.34	0.57	0.27	0.044	0.038	356	25	0.34	45	83	36	419	10	0.000	43.56	99.69
PAT 07-15	44487	10/15/2007	98.96	55.45	0.52	0.25	0.053	0.025	382	23	0.23	37	55	33	201	13	0.000	43.43	99.51
PAT 07-15	44488	10/15/2007	98.93	55.43	0.50	0.24	0.032	0.022	379	20	0.33	29	56	34	238	2	0.000	43.47	99.60
PAT 07-15	44489	10/15/2007	98.77	55.34	0.55	0.26	0.043	0.028	287	21	0.38	35	75	52	130	10	0.000	43.53	99.64
PAT 07-15	44490	10/15/2007	98.70	55.30	0.57	0.27	0.046	0.027	331	18	0.35	39	76	53	456	9	0.000	43.53	99.62
PAT 07-15	44491	10/15/2007	97.96	54.89	0.61	0.29	0.055	0.125	444	13	0.66	57	262	42	360	93	0.000	43.41	99.55
PAT 07-15	44492	10/15/2007	98.62	55.26	0.56	0.27	0.052	0.046	374	16	0.38	45	120	36	345	20	0.000	43.46	99.56
PAT 07-15	44493	10/15/2007	98.74	55.32	0.83	0.40	0.047	0.040	344	8	0.13	40	100	30	390	19	0.000	43.51	99.54
PAT 07-15	44494	10/15/2007	93.84	52.57	5.60	2.68	0.050	0.044	325	9	0.09	39	97	29	552	54	0.025	43.74	99.31
PAT 07-15	44495	10/15/2007	87.16	48.84	12.22	5.84	0.064	0.098	293	16	0.18	46	166	38	802	133	0.000	44.61	99.78
PAT 07-15	44496	10/15/2007	82.87	46.43	16.34	7.81	0.043	0.085	316	8	0.16	42	180	55	1209	101	0.000	44.56	99.27
PAT 07-15	44497	10/15/2007	98.51	55.19	1.11	0.53	0.051	0.032	307	6	0.06	30	79	27	414	58	0.000	43.21	99.17
PAT 07-15	44498	10/15/2007	72.74	40.76	26.26	12.55	0.054	0.177	285	11	0.40	48	428	57	734	177	0.000	45.08	99.20
PAT 07-15	44499	10/15/2007	97.40	54.57	1.57	0.75	0.030	0.035	351	0	0.13	33	86	46	372	52	0.000	43.34	98.95
PAT 07-15	44500	10/15/2007	90.05	50.45	8.95	4.28	0.061	0.076	369	5	0.23	48	138	51	544	32	0.004	44.43	99.65
PAT 07-15	44501	10/15/2007	89.31	50.04	9.34	4.47	0.108	0.201	554	12	0.50	74	432	52	1074	148	0.017	44.30	99.87
PAT 07-15	44502	10/15/2007	91.03	51.00	7.25	3.47	0.121	0.205	654	13	0.50	79	472	56	1246	155	0.012	44.02	99.60
PAT 07-15	44503	10/15/2007	88.27	49.46	9.17	4.38	0.128	0.246	560	19	0.59	85	596	55	1315	231	0.017	44.27	99.37
PAT 07-15	44504	10/15/2007	93.94	52.63	4.83	2.31	0.098	0.185	315	26	0.50	81	431	36	588	240	0.000	43.80	99.70
PAT 07-15	44505	10/15/2007	93.41	52.33	3.56	1.70	0.155	0.533	624	29	1.19	122	1229	60	7545	562	0.040	43.00	99.97
PAT 07-15	44506	10/15/2007	97.96	54.89	0.67	0.32	0.066	0.145	464	12	0.33	55	300	36	4801	126	0.007	43.40	99.74
PAT 07-15	44507	10/15/2007	98.73	55.32	0.61	0.29	0.041	0.012	459	8	0.03	39	<30	20	1106	44	0.008	43.93	99.79
PAT 07-15	44508	10/15/2007	98.60	55.24	0.95	0.45	0.041	0.015	397	8	0.15	30	<30	27	308	2	0.000	43.74	99.72
PAT 07-15	44509	10/15/2007	96.25	53.93	3.38	1.62	0.026	0.010	418	6	0.01	42	<30	<20	530	425	0.006	44.17	99.87
PAT 07-15	44510	10/15/2007	95.02	53.24	4.14	1.98	0.050	0.016	408	9	0.40	33	38	43	629	2	0.007	44.24	100.04
PAT 07-15	44511	10/15/2007	97.72	54.75	1.32	0.63	0.058	0.037	361	15	0.35	27	79	32	1887	21	0.000	43.58	99.65
PAT 07-15	44512	10/15/2007	98.72	55.31	0.53	0.25	0.051	0.042	402	13	0.37	27	80	76	648	9	0.000	43.57	99.72
PAT 07-15	44513	10/15/2007	99.16	55.56	0.48	0.23	0.046	0.010	330	12	0.10	21	26	28	440	1	0.000	43.63	99.65
PAT 07-15	44514	10/15/2007	98.90	55.41	0.51	0.24	0.069	0.029	351	14	0.07	24	49	21	1489	3	0.000	43.48	99.50
PAT 07-15	44515	10/15/2007	99.02	55.48	0.57	0.27	0.054	0.020	362	15	0.19	34	55	39	614	6	0.000	43.55	99.67
PAT 07-15	44516	10/15/2007	97.03	54.37	2.26	1.08	0.066	0.027	287	15	0.41	27	59	46	434	8	0.000	43.69	99.73
PAT 07-15	44517	10/15/2007	96.54	54.09	2.10	1.00	0.072	0.029	296	18	0.28	26	61	23	688	22	0.000	43.61	99.20
PAT 07-15	44518	10/15/2007	98.00	54.91	0.56	0.27	0.083	0.162	307	17	0.74	38	265	67	1032	79	0.000	43.29	99.63
PAT 07-15	44519	10/15/2007	98.96	55.44	0.51	0.24	0.024	0.021	292	9	0.25	27	<30	<20	813	12	0.000	43.76	99.86
PAT 07-15	44520	10/15/2007	98.87	55.40	0.52	0.25	0.034	0.042	301	9	0.19	31	<30	<20	275	9	0.000	43.67	99.65
PAT 07-15	44521	10/15/2007	98.49	55.18	0.99	0.47	0.062	0.033	260	14	0.17	30	<30	<20	324	18	0.000	43.67	99.66
PAT 07-15	44522	10/15/2007	98.53	55.20	0.55	0.26	0.058	0.100	296	13	0.51	38	168	<20	569	49	0.000	43.50	99.73
PAT 07-15	44523	10/15/2007	98.58	55.23	0.53	0.26	0.038	0.042	345	13	0.40	39	77	<20	889	8	0.000	43.58	99.68
PAT 07-15	44524	10/15/2007	98.99	55.46	0.52	0.25	0.031	0.031	342	11	0.08	39	<30	<20	2089	7	0.000	43.81	99.91
PAT 07-15	44525	10/15/2007	98.11	54.97	1.32	0.63	0.047	0.040	347	17	0.10	31	<30	<20	1546	72	0.000	43.83	99.83
PAT 07-15	44526	10/15/2007	81.46	45.64	17.81	8.51	0.037	0.068	311	24	0.08	31	<30	<20	1175	12	0.002	45.43	99.92
PAT 07-15	44527	10/15/2007	92.62	51.89	6.25	2.99	0.055	0.043	304	19	0.29	32	47	<20	956	25	0.004	44.40	99.80
PAT 07-15	44528	10/15/2007	94.81	53.12	4.42	2.11	0.069	0.025	319	17	0.13	33	<30	126	1297	22	0.003	44.18	99.81
PAT 07-15	44529	10/15/2007	91.86	51.47	7.39	3.53	0.089	0.038	320	18	0.25	36	37	<20	1218	23	0.000	44.25	99.79
PAT 07-15	44530	10/15/2007	98.34	55.10	0.82	0.39	0.073	0.023	353	13	0.40	43	<30	<20	1640	11	0.001	43.67	99.86
PAT 07-15	44531	10/15/2007	98.03	54.93	1.01	0.48	0.103	0.029	449	19	0.38	52	<30	28	2200	3	0.004	43.61	99.81
PAT 07-15	44532	10/15/2007	90.77	50.86	7.87	3.76	0.151	0.110	383	27	0.49	48	209	<20	987	77	0.019	44.11	99.65
PAT 07-15	44533	10/15/2007	97.08	54.39	2.04	0.98	0.047	0.062	459	8	0.42	48	116	<20	993	40	0.011	43.95	100.02
PAT 07-15	44534	10/15/2007	96.50	54.07	2.83	1.35	0.032	0.020	471	7	0.34	38	<30	<20	842	3	0.001	44.00	99.87
PAT 07-15	44535	10/15/2007	93.38	52.32	5.85	2.80	0.043	0.035	518	7	0.31	43	<30	<20	1178	37	0.002	44.16	99.85
PAT 07-15	44536	10/15/2007	93.44	52.35	5.74	2.74	0.043	0.037	520	7	0.40	43	44	<20	1060	30	0.004	44.18	99.93
PAT 07-15	44537	10/15/2007	97.91	54.86	1.50	0.72	0.052	0.039	469	8	0.24	46	54	<20	719	25	0.002	43.81	99.84
PAT 07-15	44538	10/15/2007	96.19	53.89	2.98	1.42	0.075	0.072	450	12	0.36	60	163	<20	1101	45	0.014	44.00	100.01

PAT 07-15	44539	10/15/2007	93.25	52.25	5.80	2.77	0.055	0.040	368	21	0.37	40	42	<20	1029	26	0.001	44.16	99.80
PAT 07-15	44540	10/15/2007	97.96	54.88	1.48	0.71	0.053	0.020	396	18	0.15	40	<30	<20	928	7	0.003	43.85	99.81
PAT 07-15	44541	10/15/2007	98.14	54.98	1.23	0.59	0.068	0.051	529	12	0.17	52	99	<20	1029	45	0.020	43.72	99.77
PAT 07-15	44542	10/15/2007	98.09	54.96	1.20	0.58	0.060	0.061	566	9	0.21	51	99	<20	939	43	0.029	43.81	99.86
PAT 07-15	44543	10/15/2007	98.50	55.19	0.83	0.39	0.072	0.039	531	13	0.16	41	<30	<20	1652	35	0.013	43.64	99.73
PAT 07-15	44544	10/15/2007	98.92	55.42	0.68	0.32	0.056	0.021	485	8	0.04	48	<30	<20	816	16	0.005	43.67	99.68
PAT 07-15	44545	10/15/2007	98.56	55.22	0.67	0.32	0.056	0.045	476	10	0.29	53	55	<20	664	40	0.022	43.63	99.71
PAT 07-15	44546	10/15/2007	98.25	55.05	0.71	0.34	0.149	0.143	545	27	0.39	53	203	<20	714	107	0.000	43.56	99.77
PAT 07-15	44547	10/15/2007	98.27	55.06	0.67	0.32	0.162	0.159	462	28	0.44	54	375	<20	804	145	0.002	43.44	99.74
PAT 07-15	44548	10/15/2007	98.52	55.20	0.66	0.31	0.049	0.033	392	13	0.29	43	57	<20	1189	17	0.002	43.52	99.58
PAT 07-15	44549	10/15/2007	98.45	55.16	0.79	0.38	0.108	0.092	418	19	0.28	60	196	<20	814	58	0.010	43.56	99.73
PAT 07-15	44550	10/15/2007	98.44	55.16	0.62	0.29	0.095	0.100	428	17	0.38	64	274	<20	1026	74	0.017	43.47	99.67
PAT 07-15	44551	10/15/2007	98.47	55.17	0.68	0.33	0.125	0.101	444	19	0.29	68	269	<20	984	119	0.023	43.76	99.96
PAT 07-15	44552	10/15/2007	98.28	55.07	1.02	0.49	0.108	0.042	430	19	0.11	66	57	<20	1058	12	0.014	43.71	99.70
PAT 07-15	44553	10/15/2007	98.23	55.04	0.96	0.46	0.114	0.043	436	24	0.25	62	80	<20	1207	24	0.015	43.74	99.83
PAT 07-15	44554	10/15/2007	98.78	55.34	0.63	0.30	0.066	0.026	354	24	0.21	44	<30	<20	621	12	0.008	43.63	99.69
PAT 07-15	44555	10/15/2007	98.93	55.43	0.51	0.25	0.072	0.033	366	28	0.13	45	38	<20	630	13	0.000	43.56	99.58
PAT 07-15	44556	10/15/2007	98.10	54.96	0.64	0.30	0.117	0.165	436	23	0.48	54	480	<20	1040	183	0.016	43.49	99.70
PAT 07-15	44557	10/15/2007	97.82	54.81	0.62	0.30	0.126	0.166	445	20	0.41	52	430	<20	699	140	0.001	43.46	99.41
PAT 07-15	44558	10/15/2007	98.47	55.17	0.61	0.29	0.119	0.136	457	23	0.36	53	380	<20	789	133	0.002	43.37	99.59
PAT 07-15	44559	10/15/2007	98.06	54.94	0.63	0.30	0.078	0.093	510	18	0.28	62	243	<20	718	79	0.002	43.63	99.46
PAT 07-15	44560	10/15/2007	98.11	54.97	0.73	0.35	0.096	0.175	514	29	0.49	70	534	<20	1082	186	0.003	43.45	99.72
PAT 07-15	44561	10/15/2007	97.56	54.66	0.65	0.31	0.126	0.278	518	29	0.90	60	865	<20	1090	270	0.034	43.27	99.78
PAT 07-15	44562	10/15/2007	97.31	54.52	0.74	0.36	0.174	0.386	570	38	0.90	76	1216	<20	867	365	0.023	43.27	99.82
PAT 07-15	44563	10/15/2007	98.08	54.95	0.67	0.32	0.134	0.184	464	27	0.57	68	541	<20	774	132	0.026	43.51	99.85
PAT 07-15	44564	10/15/2007	96.88	54.28	1.31	0.62	0.143	0.209	482	29	0.60	71	643	<20	653	172	0.047	43.52	99.63
PAT 07-15	44565	10/15/2007	93.70	52.50	5.28	2.52	0.083	0.126	450	30	0.49	68	403	30	969	100	0.020	43.48	99.42
PAT 07-15	44566	10/15/2007	96.95	54.32	1.85	0.88	0.078	0.172	499	33	0.49	78	528	24	1784	115	0.041	43.52	99.82
PAT 07-15	44567	10/15/2007	97.79	54.79	1.01	0.48	0.122	0.078	523	39	0.33	81	252	<20	1362	39	0.012	43.52	99.57
PAT 07-15	44568	10/15/2007	98.49	55.18	0.60	0.28	0.045	0.036	492	39	0.09	64	101	<20	654	22	0.001	43.76	99.53
PAT 07-15	44569	10/15/2007	98.83	55.37	0.67	0.32	0.041	0.034	456	30	0.13	73	95	<20	569	2	0.001	43.70	99.72
PAT 07-15	44570	10/15/2007	98.63	55.26	0.67	0.32	0.050	0.046	460	34	0.17	56	116	<20	1109	20	0.001	43.66	99.69
PAT 07-15	44571	10/15/2007	98.18	55.01	0.68	0.32	0.099	0.140	451	38	0.43	53	363	<20	2468	144	0.000	43.40	99.75
PAT 07-15	44572	10/15/2007	98.76	55.33	0.60	0.29	0.055	0.035	430	31	0.27	40	86	28	804	19	0.000	43.68	99.81
PAT 07-15	44573	10/15/2007	98.98	55.46	0.55	0.26	0.041	0.019	444	32	0.05	34	42	<20	450	3	0.001	43.67	99.59
PAT 07-15	44574	10/15/2007	98.75	55.33	0.64	0.31	0.052	0.018	465	29	0.22	45	54	<20	689	4	0.001	43.65	99.70
PAT 07-15	44575	10/15/2007	98.72	55.31	0.68	0.33	0.068	0.036	437	31	0.16	48	57	21	1615	29	0.002	43.53	99.66
PAT 07-15	44576	10/15/2007	98.78	55.35	0.62	0.29	0.027	0.061	400	29	0.20	36	64	23	942	6	0.002	43.52	99.60
PAT 07-15	44577	10/15/2007	96.53	54.08	2.24	1.07	0.151	0.076	469	44	0.22	66	140	<20	5374	46	0.002	43.26	99.47
PAT 07-15	44578	10/15/2007	98.59	55.24	0.67	0.32	0.092	0.067	464	38	0.17	65	137	<20	2167	37	0.002	43.46	99.64
PAT 07-15	44579	10/15/2007	98.28	55.06	0.56	0.27	0.027	0.022	463	30	0.13	70	61	<20	1322	6	0.001	43.48	99.19
PAT 07-15	44580	10/15/2007	98.96	55.45	0.57	0.27	0.034	0.022	482	34	0.08	61	48	<20	770	7	0.002	43.48	99.47
PAT 07-15	44581	10/15/2007	98.82	55.37	0.56	0.27	0.127	0.028	467	40	0.08	59	48	<20	785	21	0.000	43.51	99.53
PAT 07-15	44582	10/15/2007	98.53	55.20	0.84	0.40	0.101	0.026	535	40	0.16	63	70	<20	949	0	0.001	43.73	99.79
PAT 07-15	44583	10/15/2007	98.46	55.17	0.54	0.26	0.083	0.031	478	40	0.10	72	78	<20	910	14	0.001	43.68	99.48
PAT 07-15	44584	10/15/2007	98.84	55.38	0.65	0.31	0.093	0.023	552	57	0.10	73	46	<20	1017	3	0.001	43.67	99.75
PAT 07-15	44585	10/15/2007	98.75	55.33	0.61	0.29	0.060	0.019	523	43	0.23	78	51	<20	1124	4	0.001	43.65	99.77
PAT 07-15	44586	10/15/2007	98.93	55.43	0.63	0.30	0.047	0.016	501	39	0.04	84	40	<20	944	1	0.001	43.67	99.66
PAT 07-15	44587	10/15/2007	98.25	55.05	0.59	0.28	0.025	0.021	490	33	0.15	81	58	<20	1000	12	0.003	43.48	99.18
PAT 07-15	44588	10/15/2007	98.83	55.37	0.61	0.29	0.030	0.041	509	36	0.15	83	94	<20	1236	6	0.005	43.83	99.92
PAT 07-15	44589	10/15/2007	98.86	55.39	0.61	0.29	0.050	0.026	507	37	0.10	82	59	<20	991	16	0.005	43.46	99.49
PAT 07-15	44590	10/15/2007	98.02	54.92	0.63	0.30	0.072	0.079	465	32	0.19	65	170	<20	1157	48	0.016	43.77	99.54
PAT 07-15	44591	10/15/2007	98.79	55.35	0.55	0.26	0.054	0.038	458	28	0.12	40	93	<20	438	13	0.003	43.62	99.55
PAT 07-15	44592	10/15/2007	87.78	49.18	10.49	5.01	0.117	0.188	443	33	0.45	74	480	41	1429	130	0.045	44.48	99.74
PAT 07-15	44593	10/15/2007	96.97	54.33	1.64	0.78	0.060	0.064	467	29	0.35	58	134	<20	1064	30	0.027	43.81	99.61
PAT 07-15	44594	10/15/2007	98.80	55.35	0.61	0.29	0.062	0.030	482	30	0.07	54	64	<20	724	17	0.013	43.67	99.62
PAT 07-15	44595	10/15/2007	98.55	55.22	0.79	0.38	0.064	0.040	474	28	0.21	58	104	<20	924	15	0.011	43.67	99.76

PAT 07-15	44596	10/15/2007	98.63	55.26	0.68	0.32	0.058	0.033	475	28	0.34	63	76	<20	919	5	0.012	43.90	100.08
PAT 07-15	44597	10/15/2007	97.88	54.84	0.94	0.45	0.132	0.037	486	35	0.21	84	93	<20	2227	42	0.017	43.59	99.57
PAT 07-15	44598	10/15/2007	97.21	54.46	1.34	0.64	0.064	0.072	464	26	0.32	60	178	<20	1719	35	0.034	43.75	99.59
PAT 07-15	44599	10/15/2007	98.50	55.19	0.83	0.40	0.051	0.042	474	24	0.25	55	104	<20	1218	15	0.013	43.74	99.87
PAT 07-15	44600	10/15/2007	98.07	54.95	1.09	0.52	0.087	0.077	465	27	0.29	62	197	<20	1655	61	0.024	43.85	100.05
PAT 07-15	44601	10/15/2007	95.91	53.73	2.47	1.18	0.124	0.175	483	27	0.44	81	466	23	1139	127	0.059	43.75	99.70
PAT 07-15	44602	10/15/2007	95.85	53.70	3.38	1.61	0.078	0.122	467	28	0.33	64	270	26	448	62	0.032	44.02	100.04
PAT 07-15	44603	10/15/2007	97.99	54.90	1.10	0.53	0.091	0.051	411	31	0.08	45	89	<20	421	17	0.010	43.79	99.55
PAT 07-15	44604	10/15/2007	98.75	55.33	0.81	0.39	0.061	0.038	426	25	0.09	39	83	<20	616	10	0.010	43.68	99.71
PAT 07-15	44605	10/15/2007	96.81	54.24	2.14	1.03	0.085	0.068	398	26	0.27	51	179	31	671	30	0.022	43.84	99.68
PAT 07-15	44606	10/15/2007	91.30	51.16	7.66	3.66	0.140	0.129	412	33	0.33	49	328	29	1840	77	0.035	44.08	99.81
PAT 07-15	44607	10/15/2007	96.63	54.14	2.32	1.11	0.133	0.128	432	32	0.39	52	348	<20	835	117	0.038	43.79	99.91
PAT 07-15	44608	10/15/2007	97.87	54.84	1.41	0.68	0.076	0.054	429	30	0.28	45	129	<20	553	14	0.017	43.69	99.75
PAT 07-15	44609	10/15/2007	97.25	54.49	1.87	0.89	0.036	0.018	414	27	0.29	47	49	<20	475	3	0.008	43.85	99.69
PAT 07-15	44610	10/15/2007	98.25	55.05	1.03	0.49	0.039	0.030	411	22	0.20	39	63	<20	906	2	0.010	43.72	99.69
PAT 07-15	44611	10/15/2007	97.71	54.75	1.81	0.87	0.060	0.024	371	26	0.08	41	44	<20	1665	6	0.013	43.77	99.78
PAT 07-15	44612	10/15/2007	96.53	54.09	2.46	1.18	0.052	0.040	374	23	0.09	42	89	<20	2000	14	0.013	43.74	99.45
PAT 07-15	44613	10/15/2007	97.42	54.58	1.57	0.75	0.047	0.024	372	23	0.30	34	65	<20	1323	19	0.009	43.71	99.61
PAT 07-15	44614	10/15/2007	96.46	54.05	2.19	1.05	0.044	0.034	388	23	0.31	37	64	36	1000	4	0.008	43.78	99.43
PAT 07-15	44615	10/15/2007	93.18	52.21	6.22	2.97	0.063	0.059	386	26	0.14	40	156	21	1659	24	0.013	43.90	99.59
PAT 07-15	44616	10/15/2007	93.94	52.63	4.94	2.36	0.082	0.110	384	28	0.58	46	291	29	1279	49	0.018	43.90	99.89
PAT 07-15	44617	10/15/2007	85.54	47.93	12.63	6.04	0.130	0.177	359	33	0.80	55	454	50	1521	124	0.046	44.27	99.64
PAT 07-15	44618	10/15/2007	85.92	48.14	11.35	5.43	0.173	0.369	376	38	1.55	74	914	69	1898	259	0.126	43.82	99.97
PAT 07-15	44619	10/15/2007	97.09	54.40	2.30	1.10	0.059	0.030	298	25	0.26	34	52	<20	839	16	0.002	43.81	99.79
PAT 07-15	44620	10/15/2007	92.39	51.76	6.00	2.87	0.137	0.218	257	27	0.68	49	356	<20	1098	183	0.023	43.97	99.85
PAT 07-15	44621	10/15/2007	96.67	54.16	2.43	1.16	0.042	0.045	332	18	0.16	35	64	<20	733	32	0.005	43.74	99.43
PAT 07-15	44622	10/15/2007	97.24	54.48	1.95	0.93	0.081	0.049	351	24	0.35	34	66	<20	1471	21	0.005	43.63	99.73
PAT 07-15	44623	10/15/2007	94.27	52.82	4.35	2.08	0.097	0.195	412	24	0.57	51	476	33	1942	138	0.058	43.70	99.83
PAT 07-15	44624	10/15/2007	96.49	54.06	2.87	1.37	0.060	0.062	392	20	0.21	37	139	<20	1412	69	0.022	43.81	99.80
PAT 07-15	44625	10/15/2007	91.42	51.22	7.25	3.46	0.123	0.178	428	30	0.49	52	443	36	2822	112	0.044	44.07	99.98
PAT 07-15	44626	10/15/2007	91.77	51.42	5.90	2.82	0.157	0.249	442	34	0.99	57	659	55	1442	157	0.064	43.61	99.59
PAT 07-15	44627	10/15/2007	94.22	52.79	4.06	1.94	0.114	0.100	420	35	0.48	38	256	30	868	61	0.020	43.98	99.60
PAT 07-15	44628	10/15/2007	90.73	50.83	7.17	3.43	0.208	0.303	449	52	0.86	104	656	29	1458	162	0.049	43.86	99.84
PAT 07-15	44629	10/15/2007	88.86	49.79	5.16	2.46	0.300	0.800	576	60	3.69	248	1870	76	2920	532	0.212	41.95	99.83
PAT 07-15	44630	10/15/2007	81.74	45.80	8.80	4.20	0.365	1.025	613	91	5.52	243	2854	107	1083	662	0.249	41.50	99.23
PAT 07-15	44631	10/15/2007	94.31	52.84	2.77	1.32	0.191	0.420	565	57	1.46	95	1001	40	1011	276	0.147	43.15	99.84

10/Can Geo/Stone
Sample

Sample	Sample Date	% CaCO3	% CaO	% MgCO3	% MgO	% Fe2O3	% Al2O3	ppm SrCO3	ppm MnO	% SiO2	ppm BaO	ppm K2O	ppm Na2O	ppm P2O5	ppm TiO2	% S	% LOI	% Total	
PAT 07-16	44632	10/15/2007	97.76	54.78	1.09	0.52	0.042	0.094	642	16	0.51	27	249	<20	2003	42	0.007	43.52	99.77
PAT 07-16	44633	10/15/2007	98.29	55.07	0.62	0.30	0.064	0.096	673	24	0.42	40	255	<20	2577	38	0.000	43.34	99.64
PAT 07-16	44634	10/15/2007	97.67	54.72	0.82	0.39	0.097	0.175	731	47	0.68	69	413	24	2087	118	0.000	43.33	99.75
PAT 07-16	44635	10/15/2007	95.70	53.62	2.66	1.27	0.088	0.257	897	32	0.76	98	660	25	1394	160	0.018	43.77	100.12
PAT 07-16	44636	10/15/2007	95.37	53.43	2.36	1.13	0.104	0.209	805	33	1.09	109	523	<20	1988	156	0.015	43.62	99.96
PAT 07-16	44637	10/15/2007	94.17	52.76	4.29	2.05	0.139	0.260	917	40	0.67	133	542	<20	1611	164	0.013	43.95	100.18
PAT 07-16	44638	10/15/2007	97.15	54.43	1.58	0.76	0.087	0.209	775	23	0.57	242	523	<20	984	101	0.019	43.69	100.03
PAT 07-16	44639	10/15/2007	93.69	52.49	4.26	2.04	0.101	0.214	794	32	0.97	132	500	<20	1112	130	0.016	43.78	99.88
PAT 07-16	44640	10/15/2007	95.62	53.58	2.59	1.24	0.104	0.200	922	30	0.54	136	532	<20	1444	141	0.020	43.78	99.78
PAT 07-16	44641	10/15/2007	94.53	52.96	3.70	1.77	0.121	0.209	769	37	0.72	120	516	<20	1275	126	0.020	43.85	99.94
PAT 07-16	44642	10/15/2007	90.88	50.92	7.20	3.44	0.093	0.297	640	37	0.94	85	751	27	1354	241	0.034	43.98	100.01
PAT 07-16	44643	10/15/2007	91.82	51.44	6.34	3.03	0.122	0.307	870	39	0.75	135	785	28	2466	220	0.025	43.95	100.08
PAT 07-16	44644	10/15/2007	95.57	53.55	3.11	1.49	0.089	0.197	975	26	0.48	102	524	51	1882	117	0.017	43.86	100.05
PAT 07-16	44645	10/15/2007	98.75	55.33	0.65	0.31	0.105	0.046	664	23	0.16	62	131	35	797	34	0.001	43.65	99.78
PAT 07-16	44646	10/15/2007	96.34	53.98	1.84	0.88	0.074	0.160	1218	17	0.43	94	260	<20	858	101	0.017	43.89	99.68
PAT 07-16	44647	10/15/2007	97.78	54.78	1.44	0.69	0.059	0.073	1030	12	0.34	68	175	<20	679	53	0.015	43.98	100.14
PAT 07-16	44648	10/15/2007	97.05	54.37	2.31	1.11	0.049	0.053	775	9	0.22	48	98	31	561	20	0.013	43.94	99.91
PAT 07-16	44649	10/15/2007	89.39	50.08	8.83	4.22	0.098	0.153	638	22	0.44	51	350	53	1164	114	0.012	44.26	99.50
PAT 07-16	44650	10/15/2007	92.82	52.01	6.03	2.88	0.078	0.092	607	13	0.29	45	236	61	1074	62	0.007	44.09	99.66
PAT 07-16	44651	10/15/2007	96.97	54.33	1.96	0.94	0.033	0.065	707	3	0.24	54	156	38	1184	27	0.006	43.76	99.58
PAT 07-16	44652	10/15/2007	90.74	50.84	7.35	3.51	0.087	0.185	675	14	0.55	75	434	33	1038	131	0.022	44.24	99.68
PAT 07-16	44653	10/15/2007	95.45	53.48	2.85	1.36	0.087	0.247	890	16	0.74	65	204	94	1378	181	0.023	43.71	99.94
PAT 07-16	44654	10/15/2007	96.48	54.06	2.61	1.25	0.042	0.103	800	6	0.27	69	206	66	1369	71	0.016	43.97	99.96
PAT 07-16	44655	10/15/2007	92.86	52.03	5.27	2.52	0.090	0.197	681	16	1.05	77	552	59	859	151	0.031	43.87	100.02
PAT 07-16	44656	10/15/2007	90.70	50.82	6.79	3.25	0.066	0.244	924	19	1.51	117	646	32	770	185	0.032	43.88	100.07
PAT 07-16	44657	10/15/2007	92.97	52.09	3.33	1.59	0.130	0.438	1211	50	2.35	111	990	41	1581	374	0.056	43.02	100.11
PAT 07-16	44658	10/15/2007	80.35	45.02	4.23	2.02	0.399	1.105	1768	111	10.65	252	3688	104	1853	1035	0.260	38.83	99.16
PAT 07-16	44659	10/15/2007	93.73	52.52	2.16	1.03	0.177	0.337	2381	43	2.90	143	963	53	783	194	0.090	42.82	100.33
PAT 07-16	44660	10/15/2007	83.41	46.73	6.80	3.25	0.289	0.839	1644	87	6.40	263	2582	83	1626	660	0.239	40.83	99.27
PAT 07-16	44661	10/15/2007	97.48	54.61	1.39	0.66	0.098	0.119	633	19	0.51	99	321	52	859	73	0.030	43.98	100.22
PAT 07-16	44662	10/15/2007	97.91	54.86	0.99	0.48	0.071	0.032	537	15	0.26	66	97	22	1131	14	0.014	43.79	99.68
PAT 07-16	44663	10/15/2007	91.79	51.43	5.25	2.51	0.169	0.298	802	25	0.74	128	771	32	6478	203	0.085	43.77	99.85
PAT 07-16	44664	10/15/2007	96.95	54.32	1.39	0.66	0.104	0.197	735	16	0.61	111	570	<20	1387	130	0.053	43.83	100.08
PAT 07-16	44665	10/15/2007	88.82	49.76	8.48	4.05	0.073	0.167	484	24	0.90	99	450	48	1174	94	0.053	44.37	99.62
PAT 07-16	44666	10/15/2007	96.69	54.17	1.78	0.85	0.063	0.096	405	14	0.71	63	266	21	745	82	0.030	43.92	100.00
PAT 07-16	44667	10/15/2007	98.00	54.91	1.01	0.48	0.028	0.053	401	10	0.65	51	150	21	560	74	0.015	43.73	100.00
PAT 07-16	44668	10/15/2007	90.90	50.93	3.92	1.87	0.168	0.465	725	32	3.47	129	1351	81	1779	363	0.112	42.41	99.87
PAT 07-16	44669	10/15/2007	88.98	49.85	4.97	2.37	0.218	0.589	922	34	3.71	133	1861	123	1469	401	0.184	42.36	99.78
PAT 07-16	44670	10/15/2007	95.95	53.76	1.30	0.62	0.129	0.222	626	23	1.92	81	683	37	1485	145	0.049	43.10	100.10
PAT 07-16	44671	10/15/2007	95.66	53.60	1.81	0.87	0.118	0.220	537	25	1.30	81	659	26	1957	168	0.051	43.40	99.90
PAT 07-16	44672	10/15/2007	93.60	52.44	2.89	1.28	0.153	0.319	845	24	2.17	88	933	44	5015	216	0.072	42.72	99.88
PAT 07-16	44673	10/15/2007	94.91	53.18	1.87	0.90	0.137	0.345	897	20	1.81	79	967	47	1339	192	0.083	43.22	100.02
PAT 07-16	44674	10/15/2007	97.18	54.45	1.08	0.52	0.087	0.067	558	18	0.63	55	194	20	619	50	0.026	43.95	99.88
PAT 07-16	44675	10/15/2007	93.18	52.21	4.08	1.95	0.113	0.327	672	20	0.99	109	946	38	1980	197	0.074	43.85	99.90
PAT 07-16	44676	10/15/2007	96.64	54.15	2.21	1.06	0.066	0.169	735	11	0.43	80	492	<20	1558	101	0.028	43.98	100.17
PAT 07-16	44677	10/15/2007	98.21	55.03	0.83	0.40	0.027	0.026	470	7	0.05	55	86	<20	765	30	0.024	44.13	99.83
PAT 07-16	44678	10/15/2007	99.16	55.56	0.56	0.27	0.018	0.012	452	5	0.03	50	41	<20	528	22	0.014	44.09	100.10
PAT 07-16	44679	10/15/2007	97.41	54.58	1.86	0.89	0.038	0.058	476	9	0.15	64	158	20	1427	38	0.032	44.12	100.09
PAT 07-16	44680	10/15/2007	98.27	55.06	0.86	0.41	0.066	0.114	497	7	0.28	66	332	21	1740	85	0.014	43.84	100.07
PAT 07-16	44681	10/15/2007	94.29	52.83	3.90	1.86	0.128	0.302	681	19	0.70	110	794	28	2626	207	0.061	43.77	100.10
PAT 07-16	44682	10/15/2007	98.26	55.05	0.68	0.32	0.067	0.037	450	16	0.28	47	99	30	647	25	0.014	44.03	99.93
PAT 07-16	44683	10/15/2007	99.11	55.53	0.61	0.29	0.030	0.014	413	8	0.04	44	40	<20	479	3	0.009	43.81	99.82
PAT 07-16	44684	10/15/2007	99.10	55.52	0.59	0.28	0.041	0.011	401	8	0.03	38	29	<20	257	1	0.005	43.94	99.91
PAT 07-16	44685	10/15/2007	98.31	55.08	0.61	0.29	0.052	0.010	396	9	0.08	39	29	24	348	4	0.017	44.06	99.68

PAT 07-16	44686	10/15/2007	99.09	55.52	0.58	0.28	0.029	0.015	387	15	0.07	37	45	52	332	12	0.009	43.74	99.75
PAT 07-16	44687	10/15/2007	99.16	55.56	0.58	0.28	0.032	0.010	389	8	0.02	39	33	27	431	3	0.016	43.86	99.86
PAT 07-16	44688	10/15/2007	98.93	55.43	0.62	0.30	0.032	0.006	396	9	0.13	40	<30	<20	583	5	0.015	43.78	99.79
PAT 07-16	44689	10/15/2007	98.56	55.22	0.61	0.29	0.043	0.009	389	13	0.05	41	<30	21	398	9	0.000	43.62	99.32
PAT 07-16	44690	10/15/2007	98.03	54.92	0.85	0.41	0.074	0.141	587	19	0.46	75	292	28	605	61	0.008	43.82	100.00
PAT 07-16	44691	10/15/2007	96.37	54.00	1.42	0.68	0.116	0.267	707	24	0.75	113	720	24	2374	159	0.028	43.67	99.92
PAT 07-16	44692	10/15/2007	91.36	51.19	4.45	2.13	0.222	0.613	701	44	2.49	146	1696	31	1943	451	0.052	42.78	99.97
PAT 07-16	44693	10/15/2007	96.33	53.97	1.44	0.69	0.093	0.210	635	18	0.84	115	608	34	1354	148	0.023	43.55	99.67
PAT 07-16	44694	10/15/2007	99.00	55.47	0.59	0.28	0.027	0.010	543	23	0.14	124	42	<20	<100	11	0.000	43.57	99.57
PAT 07-16	44695	10/15/2007	99.11	55.53	0.55	0.26	0.022	0.010	509	29	0.07	103	<30	<20	<100	2	0.000	43.44	99.40
PAT 07-16	44696	10/15/2007	99.05	55.49	0.62	0.30	0.033	0.023	452	9	0.07	79	65	<20	355	20	0.006	43.63	99.65
PAT 07-16	44697	10/15/2007	97.23	54.48	0.99	0.48	0.069	0.187	633	13	0.59	127	508	36	1075	126	0.016	43.76	99.83
PAT 07-16	44698	10/15/2007	99.01	55.47	0.60	0.29	0.043	0.028	399	15	0.05	99	43	<20	1138	49	0.016	43.80	99.87
PAT 07-16	44699	10/15/2007	99.11	55.53	0.46	0.22	0.036	0.014	271	10	0.04	62	39	<20	784	3	0.000	43.71	99.67
PAT 07-16	44700	10/15/2007	98.53	55.21	1.04	0.49	0.051	0.028	322	11	0.05	88	40	<20	635	11	0.012	43.99	99.95
PAT 07-16	44701	10/15/2007	97.88	54.84	1.49	0.71	0.056	0.031	417	13	0.05	111	37	<20	819	83	0.017	44.11	99.97
PAT 07-16	44702	10/15/2007	98.84	55.38	0.70	0.34	0.058	0.042	336	17	0.09	80	84	<20	887	8	0.001	43.60	99.64
PAT 07-16	44703	10/15/2007	98.62	55.26	0.61	0.29	0.060	0.028	303	22	0.15	58	77	<20	1018	27	0.002	43.59	99.53
PAT 07-16	44704	10/15/2007	98.91	55.42	0.60	0.29	0.057	0.025	317	19	0.18	77	55	<20	410	19	0.000	43.61	99.66
PAT 07-16	44705	10/15/2007	99.15	55.55	0.53	0.25	0.030	0.024	290	17	0.06	68	52	24	219	3	0.000	43.62	99.61
PAT 07-16	44706	10/15/2007	98.99	55.46	0.61	0.29	0.031	0.022	290	25	0.10	55	50	<20	885	6	0.000	43.53	99.57
PAT 07-16	44707	10/15/2007	98.53	55.21	0.90	0.43	0.056	0.054	446	26	0.11	65	<30	<20	696	32	0.001	43.43	99.41
PAT 07-16	44708	10/15/2007	99.09	55.52	0.56	0.27	0.017	0.025	342	8	0.06	42	54	<20	396	33	0.001	43.65	99.63
PAT 07-16	44709	10/15/2007	95.67	53.60	3.88	1.85	0.025	0.039	329	19	0.08	58	81	<20	329	26	0.000	43.81	99.50
PAT 07-16	44710	10/15/2007	66.26	37.13	32.43	15.50	0.092	0.153	289	131	0.29	52	68	38	1240	181	0.000	45.89	99.25
PAT 07-16	44711	10/15/2007	64.94	36.38	33.91	16.21	0.101	0.172	330	105	0.31	47	90	37	834	169	0.000	46.01	99.34
PAT 07-16	44712	10/15/2007	90.83	50.89	8.44	4.03	0.089	0.071	452	36	0.27	55	83	58	684	32	0.000	44.09	99.58
PAT 07-16	44713	10/15/2007	88.10	49.36	8.27	3.95	0.154	0.401	649	31	1.89	94	831	45	3416	380	0.036	43.31	99.64
PAT 07-16	44714	10/15/2007	98.60	55.24	1.05	0.50	0.040	0.019	340	9	0.10	39	<30	21	318	2	0.003	43.72	99.70
PAT 07-16	44715	10/15/2007	98.32	55.09	1.27	0.61	0.037	0.018	346	6	0.05	40	35	<20	810	4	0.005	43.70	99.63
PAT 07-16	44716	10/15/2007	92.95	52.08	6.33	3.03	0.036	0.017	321	5	0.01	33	<30	20	464	6	0.006	44.14	99.40
PAT 07-16	44717	10/15/2007	97.67	54.72	1.79	0.86	0.021	0.086	743	4	0.07	33	42	27	1226	1	0.011	43.74	99.71
PAT 07-16	44718	10/15/2007	96.93	54.31	2.39	1.14	0.039	0.015	490	4	0.05	33	34	<20	1192	4	0.009	43.67	99.41
PAT 07-16	44719	10/15/2007	96.79	54.23	2.58	1.23	0.022	0.009	285	4	0.14	29	30	25	777	5	0.003	43.31	99.07
PAT 07-16	44720	10/15/2007	95.29	53.39	4.11	1.96	0.025	0.015	307	4	0.10	29	<30	<20	726	2	0.008	43.58	99.20
PAT 07-16	44721	10/15/2007	98.23	55.04	1.11	0.53	0.031	0.009	470	4	0.01	25	<30	<20	664	6	0.006	43.34	99.09
PAT 07-16	44722	10/15/2007	98.88	55.40	0.83	0.40	0.033	0.009	366	5	0.02	24	<30	24	540	3	0.013	43.48	99.44
PAT 07-16	44723	10/15/2007	95.61	53.57	3.78	1.81	0.034	0.014	304	6	0.09	22	<30	23	559	2	0.003	43.50	99.11
PAT 07-16	44724	10/15/2007	89.15	49.95	10.05	4.81	0.028	0.018	309	6	0.39	19	65	58	253	5	0.000	43.95	99.21
PAT 07-16	44725	10/15/2007	95.35	53.43	4.20	2.01	0.028	0.023	331	4	0.16	26	33	<20	978	3	0.006	44.23	100.02
PAT 07-16	44726	10/15/2007	81.95	45.92	17.38	8.31	0.033	0.062	325	8	0.16	23	71	40	2385	9	0.002	44.98	99.75
PAT 07-16	44727	10/15/2007	81.62	45.73	17.79	8.50	0.033	0.045	317	10	0.15	24	86	28	1536	9	0.006	45.03	99.70
PAT 07-16	44728	10/15/2007	86.77	48.62	12.72	6.08	0.080	0.023	301	18	0.17	21	52	25	479	3	0.002	44.70	99.76
PAT 07-16	44729	10/15/2007	96.31	53.96	3.06	1.46	0.065	0.035	329	19	0.20	26	81	<20	990	23	0.004	43.90	99.77
PAT 07-16	44730	10/15/2007	98.54	55.21	0.91	0.43	0.039	0.063	438	7	0.07	51	33	28	2392	6	0.015	43.74	99.86
PAT 07-16	44731	10/15/2007	97.94	54.87	1.54	0.74	0.075	0.028	404	12	0.10	32	38	<20	1151	29	0.014	43.69	99.68
PAT 07-16	44732	10/15/2007	73.68	41.28	24.94	11.92	0.082	0.139	326	26	0.66	34	328	71	1349	117	0.006	45.14	99.45
PAT 07-16	44733	10/15/2007	71.39	40.00	27.70	13.24	0.043	0.113	304	22	0.47	29	242	54	1069	76	0.006	45.23	99.28
PAT 07-16	44734	10/15/2007	92.31	51.72	6.72	3.21	0.034	0.059	322	21	0.43	35	171	44	1030	41	0.004	43.74	99.37
PAT 07-16	44735	10/15/2007	98.34	55.10	0.95	0.45	0.054	0.061	442	13	0.22	109	107	<20	1007	19	0.010	43.58	99.65
PAT 07-16	44736	10/15/2007	97.36	54.55	2.23	1.06	0.017	0.029	434	11	0.08	54	62	<20	602	22	0.007	43.44	99.31
PAT 07-16	44737	10/15/2007	91.63	51.34	7.58	3.62	0.043	0.035	392	17	0.16	33	57	<20	684	12	0.014	44.04	99.37
PAT 07-16	44738	10/15/2007	93.65	52.47	5.55	2.65	0.061	0.133	441	26	0.16	46	86	<20	1529	68	0.021	43.90	99.62
PAT 07-16	44739	10/15/2007	97.97	54.89	1.62	0.78	0.022	0.029	372	22	0.07	48	47	<20	471	13	0.002	43.28	99.17
PAT 07-16	44740	10/15/2007	91.36	51.19	7.31	3.49	0.090	0.073	641	19	0.21	71	166	33	976	58	0.030	44.04	99.33
PAT 07-16	44741	10/15/2007	93.33	52.29	5.78	2.76	0.087	0.072	383	31	0.28	52	171	29	1141	31	0.025	43.94	99.64
PAT 07-16	44742	10/15/2007	95.70	53.62	2.96	1.42	0.073	0.143	479	28	0.56	78	374	35	2589	105	0.044	43.45	99.67

PAT 07-16	44743	10/15/2007	97.79	54.79	1.37	0.66	0.025	0.034	349	34	0.16	52	91	<20	1640	26	0.008	43.20	99.09
PAT 07-16	44744	10/15/2007	96.76	54.22	1.24	0.59	0.183	0.296	952	48	0.84	70	642	45	418	212	0.015	43.14	99.52
PAT 07-16	44745	10/15/2007	94.37	52.87	2.86	1.37	0.260	0.406	665	73	1.50	113	1129	63	616	378	0.195	42.93	99.84
PAT 07-16	44746	10/15/2007	56.19	31.48	31.59	15.10	0.789	1.752	393	136	6.92	285	6104	299	2758	1284	0.639	41.03	98.85
PAT 07-16	44747	10/15/2007	95.78	53.67	0.99	0.47	0.146	0.457	351	45	1.43	71	1421	61	817	346	0.110	42.80	99.39
PAT 07-16	44748	10/15/2007	96.51	54.07	2.81	1.34	0.032	0.066	283	31	0.30	42	216	21	918	18	0.011	43.38	99.35
PAT 07-16	44749	10/15/2007	94.24	52.80	4.77	2.28	0.039	0.063	273	29	0.32	46	199	<20	625	38	0.006	43.79	99.42
PAT 07-16	44750	10/15/2007	97.95	54.88	1.03	0.49	0.033	0.024	259	27	0.23	44	90	<20	148	5	0.005	43.29	99.01
PAT 07-16	44751	10/15/2007	92.89	52.05	4.63	2.21	0.166	0.413	506	41	1.20	95	1376	44	965	364	0.091	43.31	99.78
PAT 07-16	44752	10/15/2007	96.75	54.21	2.66	1.27	0.069	0.047	427	31	0.20	65	155	20	344	22	0.010	43.56	99.48
PAT 07-16	44753	10/15/2007	98.93	55.43	0.65	0.31	0.049	0.020	346	28	0.12	55	65	<20	440	4	0.007	43.35	99.38
PAT 07-16	44754	10/15/2007	98.39	55.13	0.64	0.30	0.051	0.027	315	27	0.21	61	82	<20	538	18	0.007	43.31	99.14
PAT 07-16	44755	10/15/2007	98.85	55.38	0.74	0.35	0.048	0.019	297	32	0.16	38	66	32	315	11	0.004	43.36	99.41
PAT 07-16	44756	10/15/2007	98.49	55.18	0.89	0.42	0.062	0.049	320	35	0.23	44	158	22	518	26	0.008	43.42	99.49
PAT 07-16	44757	10/15/2007	96.43	54.03	2.70	1.29	0.084	0.089	322	36	0.43	62	280	22	776	67	0.011	43.51	99.59
PAT 07-16	44758	10/15/2007	96.39	54.01	2.04	0.98	0.162	0.165	496	30	0.72	77	538	48	787	156	0.065	43.51	99.82
PAT 07-16	44759	10/15/2007	97.30	54.52	1.36	0.65	0.143	0.157	567	25	0.65	114	526	26	717	135	0.056	43.55	99.93
PAT 07-16	44760	10/15/2007	95.21	53.35	3.07	1.47	0.136	0.230	550	20	0.95	85	782	39	801	201	0.084	43.46	99.93
PAT 07-16	44761	10/15/2007	88.96	49.84	9.43	4.51	0.114	0.171	449	21	0.83	88	544	56	738	167	0.064	44.16	99.90
PAT 07-16	44762	10/15/2007	96.89	54.29	1.66	0.79	0.130	0.189	518	21	0.75	113	643	40	707	157	0.088	43.54	99.99
PAT 07-16	44763	10/15/2007	96.73	54.20	1.13	0.54	0.187	0.303	529	30	1.13	125	986	33	1060	228	0.122	43.09	99.87
PAT 07-16	44764	10/15/2007	96.58	54.11	1.23	0.59	0.159	0.283	489	28	1.34	93	958	44	711	202	0.112	43.20	100.05
PAT 07-16	44765	10/15/2007	96.91	54.30	1.10	0.52	0.174	0.264	455	26	1.17	81	876	47	772	225	0.119	43.14	99.94
PAT 07-16	44766	10/15/2007	95.98	53.78	1.41	0.68	0.197	0.353	442	29	1.54	100	1180	34	1286	321	0.153	42.85	99.88
PAT 07-16	44767	10/15/2007	92.02	51.56	5.90	2.82	0.090	0.271	395	43	1.18	73	894	82	2053	214	0.050	43.49	99.84
PAT 07-16	44768	10/15/2007	94.80	53.11	3.10	1.48	0.084	0.203	423	36	0.97	79	663	816	3384	119	0.038	43.32	99.76
PAT 07-16	44769	10/15/2007	98.33	55.10	0.84	0.40	0.086	0.033	380	42	0.32	81	100	72	1257	30	0.006	43.50	99.64
PAT 07-16	44770	10/15/2007	96.97	54.33	1.53	0.73	0.098	0.153	405	41	0.61	62	483	58	2428	113	0.027	43.61	99.91
PAT 07-16	44771	10/15/2007	97.79	54.79	1.00	0.48	0.068	0.138	399	39	0.54	67	479	97	1646	89	0.020	43.67	99.99
PAT 07-16	44772	10/15/2007	97.87	54.84	1.02	0.49	0.107	0.165	415	42	0.40	62	526	61	2034	120	0.028	43.53	99.88
PAT 07-16	44773	10/15/2007	88.83	49.77	10.15	4.85	0.109	0.089	371	51	0.44	47	253	68	1407	48	0.013	44.22	99.72
PAT 07-16	44774	10/15/2007	97.91	54.86	1.17	0.56	0.065	0.103	409	41	0.28	54	324	55	1384	64	0.021	43.81	99.92
PAT 07-16	44775	10/15/2007	77.60	43.48	21.40	10.23	0.077	0.092	364	49	0.47	41	245	90	1499	67	0.009	45.23	99.82
PAT 07-16	44776	10/15/2007	97.86	54.83	1.09	0.52	0.106	0.139	421	45	0.32	71	370	64	1350	85	0.016	43.77	99.95
PAT 07-16	44777	10/15/2007	85.30	47.79	13.22	6.32	0.139	0.156	374	54	0.50	55	450	95	3125	108	0.026	44.37	99.73
PAT 07-16	44778	10/15/2007	95.91	53.74	3.35	1.60	0.089	0.083	436	45	0.23	59	253	63	1448	93	0.013	43.10	99.09
PAT 07-16	44779	10/15/2007	88.46	49.56	10.68	5.11	0.130	0.086	423	52	0.24	61	242	73	1255	93	0.006	44.44	99.79
PAT 07-16	44780	10/15/2007	79.63	44.62	18.96	9.07	0.134	0.154	428	60	0.35	57	460	89	3430	141	0.022	44.88	99.70
PAT 07-16	44781	10/15/2007	96.24	53.92	3.08	1.47	0.115	0.071	443	50	0.15	64	206	61	554	66	0.007	43.94	99.82
PAT 07-16	44782	10/15/2007	96.09	53.84	3.11	1.49	0.065	0.078	474	43	0.32	64	236	68	740	65	0.009	43.84	99.81
PAT 07-16	44783	10/15/2007	94.56	52.98	4.35	2.08	0.043	0.055	455	40	0.22	59	154	58	521	100	0.008	43.99	99.51
PAT 07-16	44784	10/15/2007	95.72	53.63	3.74	1.79	0.048	0.057	455	41	0.18	63	156	61	634	100	0.008	43.97	99.82
PAT 07-16	44785	10/15/2007	97.42	54.58	1.77	0.85	0.154	0.055	444	55	0.27	48	142	75	431	40	0.004	43.73	99.77
PAT 07-16	44786	10/15/2007	97.45	54.60	1.87	0.89	0.066	0.050	438	44	0.25	39	118	57	490	26	0.006	43.74	99.73
PAT 07-16	44787	10/15/2007	97.39	54.56	2.05	0.98	0.072	0.044	432	42	0.15	35	104	59	1037	31	0.000	43.58	99.56
PAT 07-16	44788	10/15/2007	98.63	55.26	0.77	0.37	0.051	0.040	419	36	0.08	36	111	48	1146	36	0.002	43.89	99.88
PAT 07-16	44789	10/15/2007	98.72	55.31	0.52	0.25	0.053	0.032	414	37	0.08	34	83	46	3013	28	0.001	43.50	99.59
PAT 07-16	44790	10/15/2007	98.53	55.20	0.64	0.31	0.065	0.035	420	39	0.45	37	106	98	282	18	0.002	43.71	99.87
PAT 07-16	44791	10/15/2007	98.68	55.29	0.79	0.38	0.071	0.036	447	40	0.10	40	98	51	383	18	0.004	43.68	99.67
PAT 07-16	44792	10/15/2007	97.83	54.81	0.91	0.44	0.086	0.058	449	41	0.46	40	133	76	1157	27	0.009	43.68	99.73
PAT 07-16	44793	10/15/2007	98.46	55.17	0.82	0.39	0.060	0.042	451	40	0.34	41	118	74	999	19	0.009	43.70	99.89
PAT 07-16	44794	10/15/2007	97.62	54.69	1.73	0.83	0.069	0.068	461	39	0.19	41	183	48	1060	45	0.010	43.71	99.76
PAT 07-16	44795	10/15/2007	98.63	55.26	0.73	0.35	0.063	0.037	452	39	0.23	41	101	51	1158	31	0.003	43.54	99.68
PAT 07-16	44796	10/15/2007	98.65	55.27	0.63	0.30	0.033	0.057	392	34	0.19	27	88	40	1047	34	0.003	43.43	99.46
PAT 07-16	44797	10/15/2007	98.77	55.34	0.67	0.32	0.042	0.066	417	35	0.19	34	127	45	676	38	0.003	43.71	99.81
PAT 07-16	44798	10/15/2007	97.59	54.68	1.64	0.79	0.088	0.078	434	40	0.15	44	207	46	1363	48	0.004	43.58	99.58
PAT 07-16	44799	10/15/2007	97.94	54.87	0.78	0.37	0.103	0.201	452	40	0.51	54	521	74	1911	127	0.013	43.61	100.00

PAT 07-16	44800	10/15/2007	96.08	53.83	2.09	1.00	0.149	0.238	444	43	0.77	57	613	73	1980	149	0.004	43.43	99.76
PAT 07-16	44801	10/15/2007	98.82	55.37	0.72	0.35	0.080	0.042	383	36	0.10	32	72	47	481	30	0.003	43.70	99.74
PAT 07-16	44802	10/15/2007	92.62	51.89	4.21	2.01	0.242	0.416	431	43	1.05	70	1176	78	3548	299	0.130	43.32	99.63
PAT 07-16	44803	10/15/2007	98.61	55.25	0.82	0.39	0.081	0.044	409	36	0.13	39	111	53	751	36	0.010	43.81	99.86
PAT 07-16	44804	10/15/2007	97.58	54.67	1.77	0.85	0.043	0.030	360	30	0.19	37	84	58	1015	33	0.010	43.83	99.78
PAT 07-16	44805	10/15/2007	98.26	55.06	0.96	0.46	0.043	0.043	389	30	0.36	40	114	53	872	19	0.004	43.72	99.83
PAT 07-16	44806	10/15/2007	98.90	55.41	0.60	0.29	0.050	0.034	399	33	0.19	37	78	43	491	14	0.003	43.72	99.81
PAT 07-16	44807	10/15/2007	98.67	55.28	0.62	0.30	0.079	0.034	386	34	0.28	37	80	51	909	31	0.002	43.65	99.78
PAT 07-16	44808	10/15/2007	98.58	55.23	0.66	0.31	0.049	0.088	387	31	0.28	32	96	49	810	27	0.006	43.68	99.80
PAT 07-16	44809	10/15/2007	98.24	55.05	0.96	0.46	0.049	0.053	392	29	0.25	34	141	52	1325	49	0.011	43.82	99.89
PAT 07-16	44810	10/15/2007	97.76	54.77	1.37	0.66	0.081	0.049	440	37	0.51	42	118	65	566	30	0.012	43.73	99.94
PAT 07-16	44811	10/15/2007	89.19	49.97	8.28	3.96	0.163	0.305	354	41	0.83	52	895	103	1453	213	0.087	43.88	99.51
PAT 07-16	44812	10/15/2007	94.71	53.07	3.92	1.87	0.061	0.066	346	36	0.54	34	170	83	1419	45	0.015	43.87	99.70
PAT 07-16	44813	10/15/2007	88.71	49.70	9.19	4.39	0.167	0.262	376	44	0.73	47	574	83	791	211	0.087	43.94	99.49
PAT 07-16	44814	10/15/2007	90.72	50.83	6.12	2.92	0.234	0.421	492	47	1.28	60	1074	78	1765	343	0.146	43.29	99.51
PAT 07-16	44815	10/15/2007	95.95	53.76	2.97	1.42	0.044	0.062	429	29	0.25	33	153	49	1110	67	0.024	43.99	99.74
PAT 07-16	44816	10/15/2007	92.21	51.66	6.42	3.07	0.048	0.077	402	32	0.30	33	182	71	1659	46	0.018	44.03	99.44
PAT 07-16	44817	10/15/2007	80.50	45.10	11.93	5.70	0.547	1.164	500	73	2.84	151	3686	148	5444	948	0.456	41.58	98.48
PAT 07-16	44818	10/15/2007	89.88	50.36	9.17	4.38	0.069	0.078	367	36	0.19	38	198	74	1177	63	0.004	43.91	99.19
PAT 07-16	44819	10/15/2007	87.24	48.88	10.44	4.99	0.152	0.276	392	33	0.63	45	579	88	5117	228	0.085	43.80	99.46

DIAMOND DRILL LOG

A51

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-01

Dip Tests

Depth Angle

Claim: PAT 2 **Co-ordinates (UTM, NAD 83)**
Bearing: 0 **Easting:** 547072.3
Inclination: -60 **Northing:** 5989514.9
Province: BC **Elevation:** 721.4 m

Date Started: Aug. 22/07
Date Finished: Aug. 25/07
Date Logged: Aug. 22-25
Logged By: J. Tanton

Core Size: NQ
Casing: 9.75 m
Total Depth: 200.25 m

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	9.75	9.75	CASING: Overburden. 0.90=ground												
9.75	24.08	14.33	CLAST-RICH WKST TO PELLET PKST & GRST F.U.C.'S WITH STROMATOPOROIDS med- to dk-gy, slightly carbonaceous, minor white, f.g.-c.g. clasts, abundant pellets, stroms common at cycle bases, lesser but common crinoid ossicles, shells & shell frags, colonial corals, rare gastropod and crinoid stems, abundant broken/indeterminate clasts well fractured in top 18m, overall v.weakly to moderately fractured - variable but commonly @ 45°-55° CA, some @ 60°; minor white calcite veinlets, moderate black carb stylolites - wavy & variable, no bedding indicators, overall calcareous with v.minor disseminated dolomite white vuggy crystalline calcite: 20.25-20.42 rubbly intervals: 9.75-11.28, 11.82-11.86, 12.23-12.30, 12.53-12.57, 12.68-12.80, 13.10-13.13, 13.70-13.85, 14.06-14.09, 14.38-14.45, 14.67-14.84, 17.37-17.42, 21.88-21.94 F.U.C.'s: 9.75-11.46, -13.16, -17.12, -22.59, -24.08	40301	9.75	11.28	1.53	98.22	0.62	0.15	0.050	0.064	42	159	31
				40302	11.28	12.80	1.52	98.89	0.57	0.13	0.039	0.020	49	38	26
				40303	12.80	14.33	1.53	99.04	0.52	0.05	0.034	0.016	25	33	23
				40304	14.33	15.85	1.52	99.17	0.51	0.05	0.027	0.015	25	36	21
				40305	15.85	17.37	1.52	99.19	0.49	0.08	0.034	0.019	35	41	19
				40306	17.37	18.89	1.52	98.93	0.52	0.13	0.049	0.065	37	51	18
				40307	18.89	20.42	1.53	99.10	0.54	0.02	0.045	0.081	25	34	17
24.08	53.85	29.77	DOLOMITIC PELLET MUDSTONE TO PACKSTONE F.U.C.'S dk-gy, moderately carbonaceous, relatively homogeneous, f.g., bioturbated - mottled appearance, abundant pellets, crinoids, commonly broken/indeterminate clasts, minor v.fine white calcite veinlets, disseminated dolomite common throughout - v.weak to moderate rubbly intervals: 28.58-28.65, 29.39-29.47 strongly fractured: 38.92-39.15 below 41.50m: v.minor rusty orange and hematite along fract surfaces, occasionally accompanied by gyish-brown sandy clay ~parallel CA fracture: 49.85-50.58 F.U.C.'s: 24.08-31.12, -34.85, -36.95, -46.57, -49.61, 54.00 possible bedding - banding from 30.80-31.00: ~perpendicular CA 60° @ 50.02, 63° @ 49.92 - wavy, banded, some discontinuous obvious c.g. up to ~2½cm fossils within f.g. fossiliferous matrix: 48.88-49.61 brachs, gastros, solitary corals and/or stromatoporoids below ~40m: weakly to moderately dolomitic - majority disseminated, stringers base marked due to lack of large c.g. fossils in lower unit - no stroms below sharp, wavy contact	40308	20.42	21.94	1.52	99.12	0.54	0.02	0.061	0.012	36	<30	17
				40309	21.94	23.47	1.53	98.84	0.66	0.05	0.040	0.084	31	<30	16
				40310	23.47	24.99	1.52	98.69	0.86	0.04	0.045	0.012	32	<30	16
				40311	24.99	26.52	1.53	98.81	0.79	0.01	0.031	0.011	29	<30	13
				40312	26.52	28.04	1.52	98.40	1.03	0.14	0.048	0.022	34	40	16
				40313	28.04	29.56	1.52	98.53	1.06	0.04	0.055	0.021	37	30	17
				40314	29.56	31.08	1.52	97.66	1.48	0.02	0.054	0.018	39	34	19
				40315	31.08	32.61	1.53	98.44	1.04	0.10	0.040	0.015	30	40	15
				40316	32.61	34.13	1.52	98.62	0.99	0.04	0.039	0.036	26	36	17
				40317	34.13	35.66	1.53	98.54	0.97	0.05	0.041	0.019	31	32	15
				40318	35.66	37.18	1.52	98.30	0.92	0.03	0.037	0.017	32	38	14
				40319	37.18	38.71	1.53	98.50	1.07	0.06	0.031	0.085	40	43	16
				40320	38.71	39.61	0.90	98.90	0.60	0.11	0.068	0.018	49	49	15
				40321	39.61	41.13	1.52	97.15	2.34	0.10	0.029	0.024	37	55	13
				40322	41.13	41.75	0.62	94.04	5.32	0.05	0.033	0.056	27	34	17
				40323	41.75	43.27	1.52	92.63	6.84	0.12	0.071	0.048	35	57	22
				40324	43.27	44.81	1.54	96.27	3.17	0.11	0.063	0.042	43	54	30
				40325	44.81	46.33	1.52	97.13	2.22	0.07	0.038	0.029	27	42	27
				40326	46.33	47.85	1.52	96.92	2.60	0.13	0.055	0.040	33	93	26
				40327	47.85	49.37	1.52	90.46	8.78	0.15	0.044	0.052	43	94	30
				40328	49.37	50.90	1.53	97.27	2.19	0.12	0.057	0.057	33	138	23
				40329	50.90	52.42	1.52	95.61	3.75	0.18	0.043	0.040	39	85	29
				40330	52.42	54.00	1.58	98.77	0.63	0.23	0.053	0.036	55	80	30

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-01

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
53.85	57.63	3.78	DOLOMITIC CLAST-RICH WACKESTONES TO PACKSTONES & GRAINSTONES med- to dk-gy with lt-gy dolomitic mottles (associated with hematite-filled stylas and frags), minor v.fine white calcite veinlets	40331	54.00	55.56	1.56	98.67	0.67	0.12	0.069	0.056	33	103	36
				40332	55.56	57.00	1.44	85.76	13.04	0.42	0.076	0.208	59	542	31
			strongly dolomitic mottles: 55.56-57.63	40333	57.00	57.63	0.63	94.32	5.12	0.14	0.047	0.070	36	142	26
			base marked at decrease in dolomite content												
57.63	86.72	29.09	CLAST-RICH WACKESTONES TO PACKSTONES AND GRAINSTONES med- to dk-gy, minor lt-gy at top, moderately carbonaceous, homogeneous, f.g., carb stylas, cycles not evident, majority weakly to moderately fractured, commonly @ 15°-20° CA, some 60°, minor to moderate v.fine white calcite veining commonly @ 30°CA, minor red-orange stylolites - variable & wavy, rare c.g. bioclast, majority broken/indeterminate, crinoids, ooids and pellets, small corals(?), shell frags (brachs, gastros); v.minor dolomite stringers/dissems, rare dolo mottle	40334	57.63	59.13	1.50	98.71	0.61	0.16	0.033	0.066	27	135	24
				40335	59.13	60.05	0.92	98.90	0.54	0.13	0.042	0.043	29	99	23
				40336	60.05	61.57	1.52	98.67	0.61	0.14	0.037	0.052	29	135	24
				40337	61.57	63.09	1.52	98.74	0.75	0.11	0.049	0.055	30	121	21
				40338	63.09	64.61	1.52	98.57	1.00	0.10	0.041	0.040	32	65	24
				40339	64.61	66.14	1.53	97.41	1.75	0.09	0.037	0.037	32	83	27
				40340	66.14	67.66	1.52	97.91	1.68	0.08	0.030	0.037	36	62	31
				40341	67.66	69.19	1.53	98.72	0.73	0.11	0.058	0.064	39	111	34
			well fractured interval with white and clear calcite crystals up to ~3mm, vuggy: 58.68-59.52	40342	69.19	70.71	1.52	98.79	0.66	0.15	0.049	0.048	35	114	27
				40343	70.71	72.24	1.53	98.63	0.77	0.11	0.099	0.066	41	137	27
			large (>2cm) shell fossils - gastro and/or brach: 63.51-63.54	40344	72.24	73.76	1.52	98.24	1.00	0.21	0.104	0.121	37	231	28
			stromatoporoids: 77.97-78.00	40345	73.76	75.29	1.53	98.70	0.63	0.15	0.096	0.084	34	187	30
				40346	75.29	76.81	1.52	98.50	0.67	0.13	0.136	0.075	35	153	26
			puzzle bx, white crystalline calcite vein: 63.64-63.74	40347	76.81	78.33	1.52	98.36	0.66	0.19	0.073	0.088	38	167	29
			2½cm white calcite vein @ 63°CA: 69.81	40348	78.33	79.85	1.52	98.41	0.69	0.22	0.109	0.085	46	237	34
			hematite and carbon along fracture surfaces @ 55°-60°CA: 70.29, 70.47, 70.51	40349	79.85	81.38	1.53	98.51	0.66	0.24	0.115	0.090	39	224	40
			orange clay along fracture @ 65°CA: 72.24	40350	81.38	82.90	1.52	97.71	0.75	0.69	0.190	0.246	51	727	38
			rusty blebs/clasts ~1-3%: 73.90-74.99, 83.37-86.72	40351	82.90	84.43	1.53	98.25	0.66	0.24	0.117	0.084	43	226	39
			vuggy veins with associated orange clay: 77.32-77.65	40352	84.43	85.95	1.52	98.17	0.68	0.38	0.171	0.213	32	491	39
				40353	85.95	86.91	0.96	98.10	0.71	0.43	0.196	0.191	36	551	44
			visible F.U.C.'s: 80.94-83.28, -86.72												
			wavy stylolitic contacts @ 61°-63°CA												
			lower ~5m: carbon clasts & moderate carbon stylas, variable but generally 50°-75°CA												
			base marked at the end of consistently homo rock & the appearance of coarse fossils sharp contact @ 53°CA, top 13cm of next interval is white Ca vein with blk carb stylas (~5%), lower contact of vein @ 50°CA												
86.72	95.51	8.79	CORAL BAFFLESTONES AND MUD-RICH TO CLAST-RICH PACKSTONES lt- to med-gy and med-brownish-gy, v.f.g.-m.g., minor c.g., weakly fractured, minor white Ca veinlets up to ~½cm, majority of bioclasts indeterminate but visible shell frags, ooids, crinoids, colonial corals (white calcite blebs up to ~½cm diameter)	40354	86.91	87.48	0.57	98.74	0.62	0.15	0.175	0.069	28	208	46
				40355	87.48	89.00	1.52	98.23	1.23	0.08	0.100	0.033	31	89	42
				40356	89.00	90.53	1.53	98.09	1.29	0.19	0.154	0.047	33	103	51
				40357	90.53	92.05	1.52	97.03	1.69	0.11	0.093	0.252	41	118	48
				40358	92.05	93.57	1.52	98.61	0.76	0.20	0.067	0.122	59	99	44
			visible F.U.C.: 90.83-95.51 (noticeably no stylas)	40359	93.57	95.09	1.52	98.83	0.51	0.16	0.110	0.136	61	86	54
			base marked at the end of c.g. rock and the start of homogeneous f.g. rock sharp contact												
95.51	115.69	20.18	CLAST-RICH WACKESTONES TO PACKSTONES AND OOID GRAINSTONES F.U.C.'S med- to dk-gy, lighter at top, moderately carbonaceous, homogeneous & f.g. overall, v.f.g.-c.g., interval is one f.u.c., black carb stylolites, dark carb bands @ 50°-65°CA - some 75°CA, minor	40360	95.09	96.62	1.53	97.95	0.83	0.47	0.266	0.171	50	511	63
				40361	96.62	98.14	1.52	97.66	1.12	0.55	0.114	0.163	46	493	32
				40362	98.14	99.67	1.53	98.26	0.72	0.36	0.151	0.177	45	452	33

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-01

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			scattered matte rusty orange grains, white calcite veinlets - majority v.fine mm-scale @	40363	99.67	101.19	1.52	97.68	1.12	0.45	0.183	0.193	49	558	36
			~25°C CA up to ½cm, weakly to moderately fractured - variable but commonly @ 40°-50°C CA and	40364	101.19	102.72	1.53	97.07	1.77	0.60	0.117	0.130	58	396	32
			25°-30°C CA; bioclastic: crinoids, ooids, v.minor shell frags, majority too f.g. to identify;	40365	102.72	104.24	1.52	96.23	1.47	1.00	0.214	0.323	60	1083	44
			abundance of ooid-rich grst increases down hole; strongly calcareous overall, v.minor	40366	104.24	105.77	1.53	96.19	1.47	1.28	0.211	0.331	67	1103	56
			disseminated dolomite present below ~100m - abundance increases down hole but not	40367	105.77	107.29	1.52	92.21	1.57	3.30	0.746	1.074	84	4188	97
			consistently, minor silica	40368	107.29	108.81	1.52	91.79	2.12	3.26	0.624	0.975	80	3815	91
			½cm milky white Ca vein with associated hematite and limonite, slightly smeared: 100.70	40369	108.81	110.33	1.52	95.61	1.50	1.44	0.265	0.430	62	1525	58
				40370	110.33	111.86	1.53	92.59	4.67	1.36	0.221	0.410	82	1356	55
				40371	111.86	113.38	1.52	95.62	1.46	1.24	0.201	0.449	73	1093	57
			consistently well-sorted ooid grst below 103.16m	40372	113.38	114.91	1.53	95.61	2.91	0.58	0.100	0.213	75	657	57
				40373	114.91	115.69	0.78	97.57	0.72	0.55	0.160	0.255	50	718	49
			base set at the end of well-sorted ooid-rich grst and the appearance of colonial corals												
			sharp contact @ 60°C CA - ~1cm milky white Ca vein with rusty material & slicks on surface												
115.69	200.25	84.56	STROMATOPOROID BOUNDSTONE & CLAST-RICH PACKSTONES TO GRAINSTONES	40374	115.69	116.13	0.44	98.19	0.94	0.11	0.050	0.039	47	120	56
			- REEFAL UNIT	40375	116.13	116.58	0.45	96.56	2.76	0.20	0.045	0.084	63	199	50
			lt- to med-gy, some med-brownish-gy, poorly sorted, v.f.g.-v.c.g., weakly to moderately	40376	116.58	118.55	1.97	98.43	1.10	0.12	0.067	0.044	57	115	51
			stylolitic, weakly to moderately fractured - commonly @ ~40°C CA, moderate white calcite as	40377	118.55	120.31	1.76	98.70	0.91	0.08	0.038	0.024	55	61	40
			veinlets, replaced fossils and porosity infill; strongly bioclastic: stromatoporoids - mats &	40378	120.31	122.25	1.94	98.29	0.92	0.10	0.027	0.020	54	62	42
			bulbous, colonial corals (mottled appearance), crinoids up to 1cm diameter, shell frags	40379	122.25	123.74	1.49	98.27	1.17	0.09	0.030	0.039	59	105	46
			(brachs, bivalves, gastro); strongly calcareous overall, v.minor mottled and disseminated	40380	123.74	125.42	1.68	98.22	1.07	0.19	0.043	0.057	63	159	49
			dolomite	40381	125.42	127.61	2.19	95.91	1.97	0.54	0.084	0.208	87	600	42
				40382	127.61	129.17	1.56	96.03	2.44	0.44	0.071	0.176	70	530	42
			CORAL BDST & C.G. BIOCLASTIC PKST: 115.69-127.60	40383	129.17	130.97	1.80	98.00	1.35	0.25	0.038	0.056	54	176	42
			majority corals & shells, carbonaceous intervals/bands up to ~20cm	40384	130.97	132.59	1.62	98.02	1.02	0.33	0.057	0.087	56	239	50
				40385	132.59	134.37	1.78	98.27	0.74	0.32	0.061	0.134	48	400	59
			dolomitic intervals: 116.13-116.58 (mottles), 128.17-128.68	40386	134.37	136.07	1.70	98.42	0.82	0.34	0.067	0.078	54	218	65
			large white Ca mottles >2cm (reefal porosity infill): 121.48-121.53, 124.59-124.64	40387	136.07	137.65	1.58	97.89	0.98	0.39	0.067	0.103	64	314	63
			dk-gy carbonaceous intervals: 126.19-126.26, 126.42-126.59, 126.64-126.66, 126.99-127.00,	40388	137.65	139.29	1.64	97.99	1.03	0.35	0.096	0.087	60	249	59
			127.15-127.36	40389	139.29	141.01	1.72	98.31	1.15	0.22	0.045	0.050	53	132	51
			shell pkst: 124.75-124.86, 125.70-126.02, 126.17-126.26, 126.33-126.42, 126.59-126.62, 126.67-	40390	141.01	142.52	1.51	98.50	0.93	0.22	0.054	0.044	57	118	49
			127.14	40391	142.52	144.33	1.81	98.59	0.82	0.12	0.042	0.053	41	125	50
				40392	144.33	146.02	1.69	97.63	0.94	0.59	0.086	0.218	500	658	44
			REEFAL FRAMESTONE AND PKSTS: 127.60-164.75	40393	146.02	147.63	1.61	98.78	0.69	0.16	0.028	0.054	60	149	42
			common white Ca porosity fill	40394	147.63	149.29	1.66	98.63	0.70	0.15	0.026	0.214	52	145	49
			bedding indicated by sediment- vs Ca-fill in shells: 60°C CA @ 143.73	40395	149.29	151.67	2.38	98.65	0.73	0.10	0.034	0.037	46	107	44
			Ca veins: 1cm @ 43° (128.47), 1½cm @ 70° (130.01), varied thickness @ 67° (163.18-163.20)	40396	151.67	152.88	1.21	98.83	0.67	0.11	0.025	0.031	48	78	41
			large white Ca mottles >2cm (reefal porosity infill): 132.02-132.10, 133.11-133.16, 133.20-133.32,	40397	152.88	154.45	1.57	98.92	0.59	0.13	0.029	0.026	43	42	35
			135.19-135.27, 135.53-135.57, 135.96-136.02, 137.42-137.46, 138.14-138.19, 138.68-138.78,	40398	154.45	156.02	1.57	98.73	0.55	0.12	0.051	0.029	45	62	36
			139.20-139.32, 139.67-139.77, 141.61-141.64, 146.62-146.68, 147.34-147.44, 148.36-148.42,	40399	156.02	157.58	1.56	98.87	0.57	0.04	0.022	0.027	43	71	38
			148.86-148.91, 149.53-149.60	40400	157.58	159.23	1.65	98.98	0.71	0.04	0.019	0.020	37	51	43
			-parallel CA fractures filled with white Ca: 146.97-148.21, 150.27-151.00, 157.10-158.28 (large	40401	159.23	160.86	1.63	98.75	0.78	0.08	0.024	0.033	63	83	43
			clear & milky white crystalline Ca up to ~½cm)	40402	160.86	162.02	1.16	98.69	0.64	0.06	0.040	0.043	53	78	41
			dk-gy carbonaceous intervals: 127.61-127.70, 130.95-130.97, 144.45-144.54, 145.62-145.66	40403	162.02	164.75	2.73	98.76	0.68	0.17	0.039	0.057	67	139	35
			rubbly interval: 143.98-144.05	40404	164.75	166.84	2.09	98.68	0.64	0.16	0.068	0.080	63	242	42
			brecciated: 146.20-146.29	40405	166.84	168.50	1.66	98.30	0.61	0.49	0.064	0.103	62	313	41
			shell pksts: 144.54-144.80, 163.08-163.11	40406	168.50	170.11	1.61	98.43	0.71	0.23	0.089	0.099	72	260	44
			large crinoid stems (1-1½cm wide): 142.22, 143.74	40407	170.11	171.61	1.50	98.60	0.90	0.05	0.064	0.029	61	63	44
				40408	171.61	173.08	1.47	98.34	0.63	0.16	0.104	0.058	76	163	47
			CARBONACEOUS INTERVAL: 164.75-166.84	40409	173.08	174.86	1.78	98.80	0.54	0.10	0.066	0.082	46	113	43

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Claim: PAT 2 **Co-ordinates (UTM, NAD 83)**

Bearing: 0 **Easting:** 547087.2

Inclination: -60 **Northing:** 5989621.9

Province: BC **Elevation:** 729.5 m

Date Started: Aug. 26/07

Date Finished: Aug. 30/07

Date Logged: Aug. 26-31

Logged By: A. Knox & J. Tanton

Hole No: PAT07-02

Core Size: NQ

Casing: 3.96 m

Total Depth: 172.82 m

Depth	Angle
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From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	3.96	3.96	CASING: Overburden. 0.90=ground												
3.96	21.75	17.79	CARBONACEOUS DOLOMITIC LIME MDST TO CLAST-RICH DOLOMITIC LIME WKST F.U.C.'S dk-gy to blk, interval is massive with occasional thin carbonaceous partings, featureless and homogeneous overall, interval arranged in f.u.c.'s of clast-rich wkst bases (pkst?) to dolomdst tops, moderately carbonaceous overall, very weak calcite veinlets, local nodular texture, dolomitic throughout as finely disseminated crystals F.U.C.'s (relatively not a lot of bioclasts at base): 7.30-11.74, -14.50, -16.05, -20.55, -21.75 c.g. cycle base: 10.85-11.00 nodular zones: 14.95-15.25, 16.05-16.45, 19.20-19.56 strongly disturbed base of interval: 20.90-21.75; upper part (22cm) is moderately fractured and calcite-veined, next 39cm - bleached and weakly fractured, 8cm - weakly sheared with much introduced white calcite, 8cm - late bx with both contacts sharp @ 56°CA, strongly fractured and sheared base marked at base of carbonaceous rock, set at major rock unit change, contact is sharp, shear parallel @ 53°CA - structural contact	40425	3.96	8.97	5.01	97.20	1.22	0.51	0.129	0.190	35	392	34
				40426	8.97	10.76	1.79	96.94	1.65	0.60	0.142	0.209	131	525	43
				40427	10.76	11.77	1.01	96.01	0.96	1.09	0.266	0.420	53	1174	69
				40428	11.77	13.19	1.42	93.91	1.37	2.22	0.389	0.742	65	2354	72
				40429	13.19	14.51	1.32	93.74	1.41	2.01	0.397	0.715	83	2141	83
				40430	14.51	16.05	1.54	91.21	1.52	3.82	0.837	1.348	79	4608	110
				40431	16.05	18.08	2.03	94.63	1.26	2.16	0.406	0.692	83	2414	74
				40432	18.08	19.39	1.31	93.61	4.09	1.14	0.225	0.421	90	1222	55
				40433	19.39	20.59	1.20	93.82	3.80	1.14	0.260	0.422	102	1228	64
				40434	20.59	21.80	1.21	97.64	0.75	0.56	0.164	0.297	42	790	58
21.75	49.07	27.32	V.C.G. STROM-SHELL-CRINOID LIME GRAINSTONE-BOUNDSTONE med-gy, rock consists of v.c.g. massive poorly-sorted grst of broken stroms, shell frags, crinoid stem frags, coarse colonial corals up to ~1½cm diameter, and intraclasts bound by irregular mats of lighter-gy stromatoporoids; patches of highly irregular very c.g. primary porosity infilled with c.g. white calcite, the primary porosity is irregular up to 5cm thick ~5-10%, nearly no late calcite veining - v.minor commonly @ ~15°-20°CA, nearly no dolomite Overall appearance is reefal and reefal debris. The areas of v.c.g. infilled primary porosity is the reef and contains boundstone elements; more massive grst is reef debris(?) moderately carbonaceous bdst horizon, top & bottom indicated by stylolitic carbon-rich partings, contains shells, strom frags and intraclasts: 46.15-46.52 base marked by the start of carbonaceous interval and end of bdst unit	40435	21.80	23.64	1.84	98.58	0.66	0.06	0.068	0.133	63	98	45
				40436	23.64	25.06	1.42	98.43	0.77	0.10	0.055	0.070	50	159	38
				40437	25.06	25.95	0.89	98.58	0.78	0.04	0.030	0.054	57	79	39
				40438	25.95	27.36	1.41	98.45	0.77	0.10	0.036	0.047	62	110	48
				40439	27.36	29.15	1.79	98.36	0.85	0.09	0.033	0.046	54	71	54
				40440	29.15	31.44	2.29	98.39	0.84	0.07	0.065	0.038	54	75	58
				40441	31.44	32.61	1.17	97.41	1.35	0.08	0.061	0.064	61	98	51
				40442	32.61	34.45	1.84	97.60	1.65	0.03	0.055	0.050	53	63	48
				40443	34.45	36.01	1.56	98.75	0.71	0.02	0.043	0.025	43	22	47
				40444	36.01	37.41	1.40	98.99	0.67	0.02	0.032	0.022	42	26	54
				40445	37.41	38.50	1.09	98.74	0.69	0.04	0.018	0.018	39	12	47
				40446	38.50	41.28	2.78	98.64	0.75	0.01	0.027	0.020	45	27	52
				40447	41.28	41.99	0.71	98.86	0.65	0.04	0.033	0.030	35	27	49
				40448	41.99	43.12	1.13	98.70	0.66	0.01	0.059	0.062	46	22	52
				40449	43.12	45.24	2.12	98.33	0.67	0.03	0.083	0.083	53	45	45
				40450	45.24	46.19	0.95	97.97	0.77	0.08	0.100	0.057	48	92	49
				40451	46.19	47.73	1.54	98.66	0.77	0.08	0.056	0.055	42	79	46
				40452	47.73	49.07	1.34	98.90	0.68	0.03	0.038	0.026	53	33	50

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-02

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
49.07	50.17	1.10	INTERBEDDED CARBONACEOUS DOLOMITIC LIME MDST AND NON-CARB C.G. SHELL PKST v.dk-gy to blk, moderately to strongly carbonaceous, thinly bedded 1-7cm, minor v.fine late calcite veinlets, stylolites common at base of carbon-rich beds, coarse shells in pkst up to ~1cm diameter, moderately dolomitic bedding: 62°CA @ 49.34 base marked by end of thinly bedded carbonaceous mdst, sharp but wavy contact - disturbed	40453	49.07	50.17	1.10	92.68	4.84	0.60	0.171	0.302	66	775	43
50.17	84.35	34.18	INTERLAYERED WEAKLY CARBONACEOUS STROM SHELL BOUNDSTONE AND GRSTS med- to dk-gy, short intervals of shell pkst (<5%) and coral boundstone (~10%), similar to '21.75-49.07' but with carbonaceous horizons and more calcite veinlets (still minor), occasional but minor brecciation - synsedimentary generally v.c.g. massive poorly sorted grst bound by lt-gy stroms; grst contains c.g. strom frags, shell frags (brachs and bivalves, minor gastro), crinoids; coarse white calcite primary porosity infill in bdst - irregular ~5cm thick, strongly calcareous overall distinct strongly carbonaceous horizons: 51.53-51.80 (c.g. grst), 53.31-53.39 (shell pkst), 53.87-53.88 (sh pkst), 53.95-54.14 (sh pkst), 56.18-56.19 (sh pkst), 56.63-56.90 (nodular mdst), 57.29-57.33 (mdst), 57.89-58.07 (bx'd mdst), 76.33-76.40 (stylo), 82.47-86.68 (carbon mottles, bx'd mdst & pkst) large coarse white calcite porosity infill: 79.26-79.55 predominantly grst horizons (contacts with bdst abrupt but not sharp): 52.45-53.85, 54.95-56.60, 67.10-68.80, 78.70-81.85, 83.30-84.35	40454	50.17	51.78	1.61	98.05	0.78	0.28	0.042	0.066	67	148	54
				40455	51.78	53.32	1.54	98.71	0.62	0.08	0.049	0.147	37	112	50
				40456	53.32	54.87	1.55	97.74	0.66	0.19	0.063	0.336	52	243	51
				40457	54.87	56.36	1.49	98.13	0.68	0.07	0.033	0.046	56	46	41
				40458	56.36	57.88	1.52	98.64	0.73	0.10	0.039	0.048	63	89	45
				40459	57.88	59.32	1.44	97.77	0.77	0.43	0.061	0.166	51	471	42
				40460	59.32	60.65	1.33	98.44	0.75	0.26	0.079	0.089	46	214	48
				40461	60.65	62.19	1.54	98.76	0.82	0.11	0.026	0.043	55	56	54
				40462	62.19	64.10	1.91	98.23	0.96	0.11	0.050	0.253	87	40	70
				40463	64.10	65.35	1.25	98.90	0.75	0.00	0.030	0.027	36	<30	55
				40464	65.35	67.12	1.77	98.70	0.84	0.04	0.038	0.019	43	<30	45
				40465	67.12	68.32	1.20	98.78	0.83	0.02	0.038	0.020	112	<30	44
				40466	68.32	70.48	2.16	98.67	0.78	0.09	0.036	0.020	63	24	44
				40467	70.48	71.34	0.86	97.55	1.78	0.13	0.046	0.069	60	112	46
				40468	71.34	72.56	1.22	98.43	0.88	0.15	0.046	0.071	48	130	41
				40469	72.56	74.09	1.53	98.29	0.95	0.19	0.062	0.082	49	189	46
				40470	74.09	75.08	0.99	98.40	0.94	0.23	0.059	0.047	48	108	45
				40471	75.08	76.42	1.34	98.41	0.89	0.27	0.040	0.084	60	209	47
				40472	76.42	77.12	0.70	98.43	0.84	0.12	0.039	0.048	47	104	46
				40473	77.12	78.66	1.54	98.90	0.72	0.08	0.030	0.043	43	80	46
				40474	78.66	79.81	1.15	98.43	0.65	0.15	0.024	0.057	49	97	48
				40475	79.81	81.91	2.10	98.49	0.80	0.15	0.064	0.080	50	197	43
				40476	81.91	83.35	1.44	97.57	1.22	0.46	0.110	0.174	84	462	43
				40477	83.35	84.35	1.00	98.27	0.98	0.09	0.042	0.102	52	163	39
84.35	104.86	20.51	INTERLAYERED DOLOMITIC & NON-DOLOMITIC LIME BOUNDSTONE & C.G. GRST med- to dk-gy and med-brownish-gy, weakly carbonaceous, similar to above but marked by the presence of dolomite, upper contact sharp - marked by 75cm of dk-brownish-gy dolostone - lower contact of mdst interval sharp: 55°CA @ 86.10, overall weakly fractured - dominantly at 60°CA dolomite present as disseminations, mottles and thin beds v.minor to moderate dolomite seen in grsts & bdsts Bdst: v.c.g. poorly sorted bioclasts bound by lt-gy stroms - mottled appearance, white calcite porosity infill - irregular up to ~7cm wide, less abundant than previous unit; bioclasts - corals, large crinoid stems (more common than previous, crinoids? - visible sutures), shells (brachs, bivalves, gastro) Grst: lt- to med-gy, f.g.-c.g., moderately sorted, majority of bioclasts indeterminate, shell frags	40478	84.35	85.11	0.76	57.95	30.40	6.01	1.008	2.264	256	6969	112
				40479	85.11	87.30	2.19	96.48	2.71	0.25	0.085	0.113	57	274	47
				40480	87.30	88.65	1.35	98.41	0.92	0.13	0.067	0.097	50	238	43
				40481	88.65	90.25	1.60	98.26	1.12	0.05	0.052	0.060	54	122	41
				40482	90.25	91.82	1.57	93.65	5.73	0.14	0.073	0.104	59	253	42
				40483	91.82	93.41	1.59	97.82	1.23	0.26	0.078	0.118	55	282	35
				40484	93.41	94.46	1.05	98.66	0.74	0.04	0.053	0.097	42	124	33
				40485	94.46	96.51	2.05	97.98	1.29	0.04	0.042	0.061	94	108	31
				40486	96.51	97.46	0.95	96.66	2.65	0.11	0.062	0.064	47	150	34
				40487	97.46	98.87	1.41	96.51	2.81	0.12	0.054	0.072	41	162	35
				40488	98.87	99.96	1.09	97.42	1.96	0.04	0.071	0.072	45	128	33
				40489	99.96	100.58	0.62	94.64	4.08	0.03	0.095	0.046	50	91	39
				40490	100.58	101.78	1.20	96.21	3.33	0.00	0.051	0.052	50	82	36
				40491	101.78	103.72	1.94	96.31	3.14	0.09	0.064	0.079	63	189	32
				40492	103.72	104.86	1.14	97.55	1.61	0.16	0.075	0.095	45	205	29

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-02

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			sub-cm sized thin interbeds												
			tectonic breccia: 136.25-136.55; matrix of coarse crystalline calcite, clasts of wkst sutured together, marks significant change in angles to core axis												
			bedding: 62° @ 127.00, 52° @ 132.75, 66° @ 133.10, 64° @ 136.20												
137.60	147.65	10.05	M.G. CARBONACEOUS LIME WKST WITH ABUNDANT INTERBEDS OF LAMINATED SILICEOUS CARBONACEOUS DOLOMDST	40522	137.60	139.02	1.42	78.96	10.02	6.16	0.699	1.407	152	4530	96
			carbonaceous silicic dolomdst interbeds are thinly laminated, black and have sharp contacts with lime wkst; interbeds vary from 5mm-55cm, avg ~10cm	40523	146.38	147.65	1.27	65.62	19.26	8.80	0.888	1.922	214	6367	140
			dolomitic lime wkst is somewhat finer-grained than the wkst in the above intervals, likely arranged in f.u.c.'s but obscured by laminated interbeds and fine grain size, becomes significantly coarser-grained in the lowermost 75cm of the interval												
			calcite veinlets minor but slightly more abundant than above												
			bedding: 78° @ 128.50, 84° @ 129.30, 70° @ 142.10, 85° @ 143.50, 79° @ 144.85, 78° @ 146.20												
147.65	159.25	11.60	V.C.G. TO FRAGMENTAL SLIGHTLY DOLOMITIC STROMATOPOROID BOUNDSTONE, BAFFLESTONE AND PACKSTONE	40524	147.65	149.22	1.57	97.11	1.59	0.69	0.054	0.072	36	192	94
			lt-gy and black, interval dominated by stroms (irregular mats, fingers, bulbous masses and broken fragments), which appear to bind and/or baffle c.g. carbonaceous shell-dominated lime wkst-pkst, minor primary reefal porosity mostly in basal 1.5m of interval, f.u.c.'s vague - capped locally by dolomitic lime wkst, no siliceous dolomdst interbeds, coarser-grained and richer in stroms than above, also present: intraclasts, shell frags, ooids; rare thin Ca veinlets, dolomite present as dolo mud in cycle tops and dolomite-rich wisps in reef framework (bound mud)	40525	149.22	150.07	0.85	96.10	2.80	0.43	0.050	0.083	37	213	84
				40526	150.07	151.97	1.90	97.03	1.83	0.31	0.037	0.055	37	125	86
				40527	151.97	153.63	1.66	97.01	1.82	0.36	0.045	0.065	54	179	94
				40528	153.63	155.78	2.15	95.52	2.93	0.58	0.091	0.186	66	496	60
				40529	155.78	156.55	0.77	97.68	1.28	0.22	0.061	0.055	47	124	60
				40530	156.55	157.63	1.08	97.40	1.81	0.26	0.054	0.052	52	139	60
				40531	157.63	158.95	1.32	93.90	5.01	0.56	0.102	0.140	58	401	63
				40532	158.95	159.53	0.58	86.55	11.71	0.60	0.115	0.234	65	672	64
			F.U.C.'s: 147.65-148.50, -150.15, -152.00, 154.35, 159.25												
			reefal framework strom: 156.6-159.25; coarse porosity infill, strongly dolo												
			upper contact of interval sharp, set at last siliceous dolomdst interbed												
			base of interval sharp, set at the beginning of breccia texture												
159.25	164.75	5.50	INTERFORMATIONAL BRECCIA	40533	159.53	160.63	1.10	78.98	18.12	1.00	0.155	0.365	77	1023	71
			med-gy to blk, angular clasts of f.g.-c.g. lime wkst (mm-7cm) in a matrix of carbonaceous v. strongly dolomitic lime mdst, clasts are unsorted, overall bx is massive, larger pkst-grst clasts present in lower 40cm of interval, clast to matrix ratio about 60:40, rare calcite veinlets - majority at high angles CA	40534	160.63	162.23	1.60	74.24	21.84	1.94	0.219	0.523	84	1387	67
				40535	162.23	163.60	1.37	77.17	19.74	1.71	0.163	0.397	78	1115	64
				40536	163.60	164.56	0.96	81.42	16.60	0.81	0.103	0.269	72	789	60
			breccia clasts rich in v.c. stroms: 159.25-159.90												
			upper and lower contacts sharp												
164.75	172.82	8.07	CARBONACEOUS F.G. DOLOMITIC LIME WKST TO V.C.G. PKST WITH V.F.G. SILICEOUS CARBONACEOUS DOLOMDST INTERBEDS	40537	164.56	165.79	1.23	91.47	6.20	0.92	0.098	0.274	72	775	45
			dk-gy to blk, dolomitic lime pkst consists of bioclasts (shell frags, crinoids, intraclasts) in a v.f.g. carbonaceous lime mud matrix, interval arranged in vaguely coarsening upwards cycles	40538	165.79	167.60	1.81	93.73	4.74	0.52	0.063	0.102	68	279	39
				40539	167.60	170.02	2.42	82.23	7.23	5.67	0.438	1.100	140	3748	78
				40540	170.02	172.32	2.30	93.29	1.73	2.70	0.190	0.540	75	1794	42

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-03

Dip Tests

Depth Angle

Claim: PAT 2 **Co-ordinates (UTM, NAD 83)**

Bearing: 0 **Easting:** 547257.1

Inclination: -50 **Northing:** 5989599.9

Province: BC **Elevation:** 728.4 m

Date Started: Aug. 31/07

Date Finished: Sept. 1/07

Date Logged: Sept. 1-2

Logged By: A. Knox

Core Size: NQ

Casing: 3.66 m

Total Depth: 90.52 m

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	3.66	3.66	CASING: Overburden. 0.90=ground												
3.66	25.16	21.50	MODERATELY CARBONACEOUS DOLOMITIC LIME WKST TO PKST v. dk-gy, rock consists of f.g.-m.g. white bioclasts - mostly crinoid ossicles and lesser broken shell frags, most are eroded & unrecognizable set in f.g. blk lime mud, rock is moderately fractured with abundant (10-20%) fine calcite veinlets in random orientation, degree of fracture dislocation decreases downhole, interval probably arranged in fining upwards cycles but too disrupted to define, occasional 1-4cm v.carbonaceous v.f.g. interbeds often sheared or broken up - graphitic when sheared (sharp contacts with wkst-pkst) disseminated dolomite as fine clasts intraformational breccia: 6.25-12.25, about 40% bx consists of angular fragments of host wkst-pkst (sub-mm to 10cm) in f.g. dark, very dolomite-rich matrix, v.poorly sorted, matrix-supported, some larger elongate frags towards base appear to be bedding-parallel v.f.g. strongly carbonaceous interbeds: 12.40 (3cm, broken, graphitic), 14.05 (slightly sheared, 53°+CA), 14.80 (2cm, broken), 15.05-15.25 (4 beds, much broken), 16.00 (3cm, well bedded @ 44°CA), 16.65 (3cm, slightly sheared 48°), 19.20 (4cm, broken, lightly sheared), 19.40 (strongly sheared, graphitic), 21.05 (2cm, slightly broken, 47°CA), 21.70 (2cm, 39°), 23.10 (1cm, sheared, 46°), 23.70 (6cm, well bedded, 50°), 23.80 (much broken), 24.00 (1cm, v.f.g., 53°), 24.10 (1cm, 51° - good) lower contact set at decrease in carbon content, lighter color and end of f.g. interbeds	40541	3.80	6.21	2.41	85.05	13.12	0.89	0.135	0.217	52	608	68
				40542	6.21	7.33	1.12	78.33	18.72	1.86	0.132	0.310	67	811	71
				40543	7.33	8.30	0.97	93.62	4.77	1.06	0.058	0.117	44	311	45
				40544	8.30	10.42	2.12	88.47	8.62	1.65	0.124	0.336	70	967	52
				40545	10.42	11.68	1.26	82.39	14.77	1.88	0.104	0.261	63	744	54
				40546	11.68	12.58	0.90	81.31	15.36	1.53	0.187	0.478	94	1325	57
				40547	12.58	14.04	1.46	92.50	5.04	0.65	0.107	0.246	58	649	40
				40548	14.04	15.23	1.19	88.73	6.65	1.98	0.321	0.851	82	2003	53
				40549	15.23	16.62	1.39	93.26	4.71	0.72	0.120	0.316	56	867	43
				40550	16.62	18.54	1.92	97.99	0.85	0.52	0.050	0.126	29	333	30
				40551	18.54	20.02	1.48	93.84	2.67	1.90	0.136	0.387	61	1028	44
				40552	20.02	21.02	1.00	85.91	10.85	1.57	0.152	0.425	78	963	58
				40553	21.02	21.64	0.62	88.07	8.17	2.11	0.161	0.386	78	1006	49
				40554	21.64	23.47	1.83	93.74	4.48	0.36	0.069	0.172	41	355	34
				40555	23.47	25.13	1.66	94.36	3.74	1.07	0.085	0.233	44	472	38
25.16	39.10	13.94	WEAKLY TO MODERATELY CARBONACEOUS F.G. DOLOMITIC LIME WKST TO LIME PKST med- to dk-gy, bioclasts f.g. throughout, rock varies from clast-poor to clast-rich wkst to f.g. pkst, wkst is moderately carb - pkst weak, rock is moderately fractured with movement, locally weakly brecciated, abundant thin 1cm calcite veinlets throughout 15-25%, rock becomes less carbonaceous and more bioclast-rich down hole less dolomite in pkst than in wkst, much less dolomite than in overlying interval strongly fractured slightly sheared horizons: 26.50-27.25 (10% blk graphite, 40-50% deformed Ca veinlets), 34.20-35.10 (abundant brittle fractures - open with vugs, 40% calcite veinlets), 35.95-36.55 (strongly fractured, bx at base, more brittle at top, some graphite) graphite/mdst interbeds: 25.16-25.30 (strong, sheared), 27.55-27.65 (weak, thin shear zone, contacts 65°CA), 29.20-29.25 (black graphitic mush) base of interval set at abrupt color change and decrease in carbon content	40556	25.13	25.89	0.76	94.08	2.67	1.61	0.180	0.420	47	1007	40
				40557	25.89	27.24	1.35	95.07	2.58	1.24	0.140	0.369	52	840	38
				40558	27.24	27.63	0.39	92.49	3.54	2.27	0.252	0.628	61	1612	44
				40559	27.63	29.57	1.94	95.13	2.23	1.34	0.120	0.243	44	601	36
				40560	29.57	31.36	1.79	97.24	1.73	0.37	0.093	0.092	56	245	35
				40561	31.36	32.81	1.45	97.52	1.24	0.37	0.128	0.121	35	250	37
				40562	32.81	34.15	1.34	96.01	2.63	0.35	0.068	0.079	48	214	30
				40563	34.15	35.34	1.19	97.82	1.37	0.18	0.080	0.106	35	131	36
				40564	35.34	36.96	1.62	95.78	2.92	0.23	0.138	0.107	33	243	41
				40565	36.96	38.00	1.04	90.40	8.37	0.26	0.054	0.068	50	176	34
				40566	38.00	39.08	1.08	97.86	1.22	0.13	0.058	0.176	30	122	33

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-03

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
39.10	49.45	10.35	F.G. CRINOID SHELL LIME GRST TO SLIGHTLY DOLOMITIC LIME PKST	40567	39.08	40.14	1.06	97.42	1.78	0.17	0.089	0.066	28	137	33
			completely massive, bioclasts uniformly f.g., well sorted, bioclasts eroded, most indeterminate, no stroms at all, moderately fractured (healed) throughout - especially in the lower half	40568	40.14	41.76	1.62	98.58	0.54	0.09	0.078	0.043	30	77	36
				40569	41.76	42.85	1.09	98.07	0.62	0.10	0.137	0.431	39	102	54
				40570	42.85	43.40	0.55	93.28	4.41	0.57	0.143	0.284	64	578	41
			weakly calcite veined 5-10%: 39.10-44.35	40571	43.40	45.04	1.64	97.09	1.63	0.22	0.108	0.102	33	228	37
			moderately to strongly calcite veined 25-50%: 44.35-49.45	40572	45.04	46.55	1.51	96.68	1.91	0.17	0.092	0.075	35	189	36
			local patches of late brittle fracturing: 39.20-40.35, 41.05-41.90	40573	46.55	47.77	1.22	91.13	6.42	0.71	0.182	0.323	60	695	46
			calcite vein breccia: 44.45-45.05 (locally vuggy), 47.60-49.45 (random calcite veins, 50%)	40574	47.77	48.75	0.98	97.14	1.65	0.23	0.101	0.114	29	245	42
				40575	48.75	49.32	0.57	95.36	2.48	0.31	0.096	0.151	35	317	41
			interbeds of carbonaceous f.g. clast-rich lime wkst: 47.15-48.20, abundant calcite veins												
			very carbonaceous v. 47.45 (moderately broken up along fractures)												
			lower contact set at rock change, contact in a calcite vein bx												
49.45	64.75	15.30	MODERATELY FRACTURED AND CALCITE VEINED CARBONACEOUS BIOCLAST-RICH STRONGLY DOLOMITIC LIME WKST TO PKST	40576	49.32	50.90	1.58	86.53	7.84	2.36	0.401	1.102	192	2154	69
			dk-gy and white, unit consists of fining upwards cycles of f.g. bioclast-rich slightly dolomitic lime wkst to m.g. lime pkst bases, the cyclicity and other primary structures are greatly obscured by moderate fracturing and abundant calcite veining, cycle bases are visible locally - sharp and often marked by a stylolite	40577	50.90	51.92	1.02	94.54	4.59	0.31	0.079	0.120	47	213	53
				40578	51.92	53.45	1.53	94.29	4.25	0.47	0.099	0.232	56	459	51
			bioclasts - crinoid ossicles and shell frags	40579	53.45	54.49	1.04	92.21	6.25	0.49	0.100	0.159	79	399	49
			calcite veins thin (generally sub-cm), random and abundant 30-60%	40580	54.49	56.08	1.59	93.28	5.30	0.31	0.109	0.133	51	287	56
				40581	56.08	56.62	0.54	94.25	4.24	0.27	0.097	0.126	59	265	66
			graphitic shear bx zones: 50.05-50.80 (host rock and calcite vein frags in fractured weakly sheared v.f.g. carbonaceous matrix, shears 19°+CA), 56.85-57.00 (same as previous but less bx'd, 38°+CA), below 156.60 - matrix-poor bx common, often with small amounts of graphite, especially common 61.50-64.75	40582	56.62	58.07	1.45	91.49	6.15	0.58	0.145	0.359	61	614	90
				40583	58.07	59.37	1.30	91.49	6.52	0.33	0.117	0.175	67	413	69
				40584	59.37	60.88	1.51	90.32	7.22	1.06	0.180	0.499	74	1126	90
				40585	60.88	62.24	1.36	95.78	2.27	0.55	0.121	0.256	35	561	128
				40586	62.24	64.36	2.12	94.06	4.27	0.50	0.127	0.258	33	508	85
				40587	64.36	64.79	0.43	90.64	6.59	1.02	0.211	0.511	56	977	133
			v.f.g. carbonaceous interbeds: 59.35 (moderately fractured, 56°+CA), 59.45 (fractured, fault offset, 62°+CA), 60.9 (2 - 1cm graphitic smears)												
			This interval has been strongly tectonically disrupted, mostly in brittle fashion. Fracturing, in part, postdates some of the abundant calcite veining. The graphite in this interval is presumably derived from disaggregated v.f.g. carbonaceous interbeds.												
			lower contact set at beginning of abundant sheared graphite - structural												
64.75	90.52	25.77	SHEARED AND BRECCIATED STRONGLY DOLOMITIC LIME MDST TO WKST AND GRAPHITE-CARBONACEOUS MATERIAL	40588	64.79	65.75	0.96	86.65	6.65	2.74	0.530	1.184	149	2417	168
			dk-gy and blk, interval consists of strongly dolomitic, strongly fractured and calcite-veined f.g. lime mdst to wkst intersheared with blk v.f.g. sooty to shiny graphite carbonaceous material. The textures are sh and bx'd - more bx than sheared. The lmst-graphite has been bx'd. The lmst has been disaggregated and sheared in with the graphitic material. Where the deformation is less intense the carbon can be seen to be derived from the v.f.g. carbonaceous lmst interbeds seen elsewhere. Overall interval is ~60% lmst - 40% graphite, no post deformation calcite veins, no calcite veins cut graphite though the lmst has abundant calcite veins.	40589	65.75	67.15	1.40	62.61	11.88	13.12	1.847	3.095	378	7533	249
				40590	67.15	67.97	0.82	85.02	6.86	3.94	0.498	1.133	155	2615	153
				40591	67.97	69.12	1.15	87.36	5.64	3.55	0.478	1.644	123	2179	165
				40592	69.12	70.37	1.25	58.95	4.84	17.65	2.442	3.325	488	10477	298
				40593	70.37	71.88	1.51	56.34	4.53	18.32	2.696	3.106	568	12170	371

DIAMOND DRILL LOG

A63

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-04

Dip Tests

Depth	Angle

Claim: PAT 1 **Co-ordinates (UTM, NAD 83)**
Bearing: 14 **Easting:** 546420.4
Inclination: -60 **Northing:** 5989720.0
Province: BC **Elevation:** 715.5 m

Date Started: Sept. 1/07
Date Finished: Sept. 4/07
Date Logged: Sept. 3-5
Logged By: J. Tanton

Core Size: NQ
Casing: 9.75 m
Total Depth: 130.76 m

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	9.75	9.75	CASING: Overburden. 0.90=ground												
9.75	19.65	9.90	INTERBEDDED BLEACHED AND STRONGLY BLEACHED CARBONACEOUS DOLOMITIC LIME MDST TO DOLOMITIC LIME WKST (PKST?) whitish-lt-gy and dk-gy to blk, variable bleaching: visible sharp contacts b/w bleached rocks and strongly carbonaceous intervals, primary textures difficult to see in strongly bleached horizons, bleaching more prominent in wkst/pkst than the strongly carbonaceous mdst - likely due to the porosity difference but difficult to confirm, appears bioclast-poor, no visible cycles, strong orange clay along fractures, minor hematitic stylolites, very strong white calcite veining: avg. 25-30%, locally up to 50%, variable, spidery dolomite content variable, decreases down hole overall rubbly intervals (due to surficial fracturing and shearing): 9.75-10.63, 14.33-14.55, 15.40-15.50, 15.74-15.82, 17.58-17.69 nearly entirely milky white calcite: 10.63-10.82; host rock indeterminate strongly carbonaceous (black) horizons: 12.51-12.67, 13.09-13.79, 14.68-14.90, 16.06-17.18 angles b/w carb & bleached: 35°CA @ 13.91, 26°CA @ 13.22, 37°CA @ 16.07 base marked at the start of peloid pkst, contact wavy/patchy	40594	9.75	11.60	1.85	93.10	6.07	0.27	0.054	0.102	33	167	60
				40595	11.60	12.98	1.38	85.44	13.73	0.18	0.054	0.057	54	115	35
				40596	12.98	13.67	0.69	89.63	9.27	0.11	0.077	0.041	53	52	40
				40597	13.67	15.69	2.02	97.79	0.87	0.49	0.133	0.220	42	470	57
				40598	15.69	17.22	1.53	96.64	1.07	0.86	0.182	0.365	73	816	84
				40599	17.22	19.67	2.45	97.42	0.72	0.73	0.195	0.329	49	620	80
19.65	20.07	0.42	PELOID LIME PKST variable color: patchy moderately to strongly carbonaceous v.dk-gy and weakly carb med-gyish-brown, m.g., calcareous lower contact sharp @ 57°CA although small blebs of dk-gy carb peloid pkst continue for 10cm into next interval; peloid pkst may continue but cryptic due to bleaching	40600	19.67	20.06	0.39	97.88	0.53	0.16	0.076	0.021	28	45	48
20.07	25.46	5.39	LIME MDST (PKST/GRST?) lt-gy (bleached? not obvious), v.f.g., indeterminate grains, homogeneous, indescript, overall strongly fractured - calcite-filled & rubble (~35-40%), moderately vuggy accompanied by orange clay & limonite: small-scale karsting likely due to surficial weathering lower contact wavy and stylolitic but sharp @ ~30°CA; marked by a distinct color change from light-grey to v.dk-gy below	40601	20.06	22.52	2.46	98.75	0.56	0.20	0.111	0.076	33	138	59
				40602	22.52	24.01	1.49	97.91	0.57	0.38	0.057	0.127	35	223	47
				40603	24.01	24.88	0.87	98.81	0.62	0.18	0.048	0.063	31	114	47
25.46	26.82	1.36	STRONGLY CARBONACEOUS SLIGHTLY DOLOMITIC LIME MDST v.dk-gy to blk and v.dk-brown, homogeneous, indescript, abundant microfracturing filled with white calcite, minor silica horizon of lt-gy v.f.g. lime mdst (pkst/grst?): 26.44-26.51 lower contact sharp, marked by the end of strongly carbonaceous, ~17cm of rubble at start of next interval	40604	24.88	26.95	2.07	94.81	2.00	1.47	0.255	0.697	62	1836	73

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-04

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
26.82	32.64	5.82	same as '20.07-25.46' 5C But: less vuggy (minor in top ~60cm), grainier in lower ~90cm of interval but still indeterminate bioclasts - overall a F.U.C.?	40605	26.95	28.85	1.90	97.74	0.69	0.60	0.115	0.270	45	571	49
			lower contact wavy & stylolitic but sharp @ ~25°CA, marked by a distinct color change from lt-gy to blk below	40606	28.85	30.30	1.45	99.04	0.53	0.14	0.029	0.030	37	53	36
				40607	30.30	32.61	2.31	98.58	0.80	0.17	0.042	0.043	28	102	36
32.64	33.84	1.20	STRONGLY CARBONACEOUS DOLOMITIC LIME MDST v.dk-gy to blk, sooty, v.strongly stylolitic - variable, abundant white calcite veinlets ~30%, common healed microfractures, variable shearing textures - wavy lower contact ~sharp @ ~80°CA, marked by distinct color change blk to lt-gy, rubbly for the first ~6cm of next interval	40608	32.61	33.76	1.15	93.29	2.94	2.51	0.173	0.405	70	1032	69
33.84	46.46	12.62	V.F.G. LIME MDST TO C.G. LIME PKST F.U.C.? - difficult to confirm grading relationship due to strong fracturing and rubby intervals lt-gy, bleached, relatively homogeneous appearance overall, well fractured with associated orange clay & limonite, ~50% rubby intervals, abundant white calcite veinlets and healed microfractures, bioclasts generally indeterminate - some visible crinoids & shell fragments strongly calcareous alignment of bioclasts: 52°CA @ 39.70, 64°CA @ 45.26; due to bedding or structure - likely structure due to wavy appearance and surrounding fracturing and shearing textures orientation of abundant consistent calcite veinlets: 40°-45°CA @ 42.05 lower contact sharp @ 50°CA, marked at the start of dolostone	40609	33.76	35.66	1.90	98.30	0.64	0.42	0.059	0.061	56	106	29
				40610	35.66	36.78	1.12	98.88	0.55	0.15	0.042	0.061	29	54	28
				40611	36.78	38.85	2.07	98.83	0.61	0.15	0.059	0.053	26	97	36
				40612	38.85	40.96	2.11	98.36	0.63	0.39	0.089	0.170	41	274	30
				40613	40.96	42.44	1.48	98.22	0.56	0.28	0.066	0.047	40	97	32
				40614	42.44	44.37	1.93	98.82	0.55	0.12	0.086	0.052	26	86	32
				40615	44.37	45.19	0.82	98.80	0.57	0.19	0.085	0.083	41	135	35
				40616	45.19	46.45	1.26	98.91	0.58	0.11	0.084	0.078	36	85	35
46.46	49.70	3.24	DOLOSTONE orange-pink and minor lt-gy, abundant orange clay, hematite and limonite throughout - penetrative, dolomite appears secondary - original textures unidentifiable, moderately stylolitic, abundant calcite-healed microfractures throughout, lost core cannot determine lower contact relationship due to rubble, marked at the end of dolostone	40617	46.45	48.20	1.75	88.91	8.60	1.25	0.238	0.620	81	850	100
				40618	48.20	48.72	0.52	93.81	1.99	2.03	0.371	1.036	54	1699	80
49.7	59.42	9.72	CORAL(?)/STROMATOPOROID(?) BOUNDSTONE WITH C.G. LIME WKST TO PKST lt-gy, v.c.g., bleached?, corals (colonial) and/or stroms (fingers) - difficult to tell because internal structures distorted, very strong white calcite veinlets ~15-20% - variable & spidery, strongly fractured, ~25-30% rubby horizons, minor porosity infill - pink-orange calcite, irregular up to ~1cm, calcareous pkst horizons: 56.74-57.46, 58.63-59.42; likely more but difficult to identify rubby horizons lower contact placed at the start of the very strongly bleached high-Ca interval	40619	48.72	51.09	2.37	98.16	0.59	0.22	0.128	0.125	37	176	33
				40620	51.09	53.14	2.05	98.79	0.55	0.11	0.041	0.051	33	99	33
				40621	53.14	54.48	1.34	98.80	0.50	0.09	0.026	0.033	25	66	38
				40622	54.48	55.67	1.19	98.93	0.55	0.11	0.036	0.038	35	91	52
				40623	55.67	57.46	1.79	99.08	0.49	0.06	0.046	0.028	41	59	57
				40624	57.46	59.42	1.96	98.92	0.54	0.14	0.042	0.055	30	141	65
59.42	70.42	11.00	VERY STRONGLY BLEACHED AND BRECCIATED LIME MDST likely a continuation of above but host rock entirely indeterminate overall lt-gy color, pinky-orange due to hematite and limonite, overall homogeneous and indescrpt, very strong white calcite veining ~50% overall, abundant calcite-healed (white & clear) microfractures, common puzzle breccia, moderately stylolitic, ~5% hem & lim mottles	40625	59.42	60.96	1.54	98.33	0.58	0.13	0.045	0.052	54	119	87
				40626	60.96	61.40	0.44	97.33	1.14	0.39	0.057	0.110	190	228	102
				40627	61.40	63.46	2.06	97.50	1.29	0.51	0.115	0.181	28	51	105
				40628	63.46	64.96	1.50	96.22	2.35	0.26	0.056	0.083	51	184	43

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-04

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
86.53	87.65	1.12	CLAST-RICH DOLOMITIC LIME WKST TO DOLOMITIC LIME PKST lt-gy with occasional pink-orange mottles, indeterminate grains, hematite and limonite as mottles, along fracture surfaces and stylolite-fill moderately dolomitic, minor silica very well brecciated, messy, white & clear calcite crystals, lim & hem & sandy clay, vuggy, intraclasts: 87.22-87.48 base set at start of carbonaceous; sharp but wavy stylolitic contact	40644	86.50	87.62	1.12	92.97	4.81	1.13	0.167	0.383	52	1023	59
87.65	90.39	2.74	CARBONACEOUS BRECCIA various intraclasts within blk very strongly carbonaceous dolomud matrix, clasts are generally lt- to med-gy, sub-ang to ang, commonly f.g. dolomitic lime pkst and dolomdst, occasionally c.g. pkst & grst, range from mm-scale to ~5cm wide moderate white calcite veinlets up to ~1cm - <10% overall very strongly dolomitic interval base marked at the end of the continuously consistent carbonaceous breccia, minor breccia in interval below, 1cm rubble at contact	40645 40646	87.62 88.98	88.98 90.43	1.36 1.45	79.79 80.34	18.29 16.70	0.82 1.50	0.176 0.196	0.341 0.478	62 136	1002 1428	77 80
90.39	101.29	10.90	DOLOMITIC LIME WKST TO C.G. DOLOMITIC LIME PKST F.U.C.'S med- to dk-gy, weakly carbonaceous, cycles are commonly short and not obvious, majority of bioclasts indeterminate - abundant shell frags, moderate white calcite veinlets ~5-10% - spidery & variable up to ~1cm moderately to strongly dolomitic throughout - disseminated and dolomud in matrix as well as in clasts/grains strongly carbonaceous mdst interbeds: 90.39-90.59, 90.73-90.98, 91.14-91.21, 91.99-92.04, 92.33-92.39, 94.47-94.53, 96.62-96.71, 96.86-96.91, 98.45-98.50, 98.80-98.82, 98.92-98.95; other <1cm interbeds - generally stylolitic structural interval - brecciated, host rock indeterminate, abundant white calcite, abundant red, brown & bright orange clay/mud: 92.04-92.31; upper & lower contacts 40°CA and 45°CA respectively almost entirely milky white calcite (95%, large vein?) - 2cm wide band of lim & hem at top @ 50°CA, lower contact wavy at ~30°CA: 92.82-93.26 dk-gy moderately carbonaceous interval - overall finer-grained and homogeneous, less white calcite-filled fractures and veinlets but still ~5%, minor disseminated dolomite: 97.71-99.67 overall f.g. and homo, weakly to moderately carbonaceous, moderate disseminated dolomite: 99.67-101.29 base set at the start of the very strongly carbonaceous interval; wavy stylolitic contact @ ~80°CA	40647 40648 40649 40650 40651 40652 40653	90.43 92.19 93.27 94.96 96.54 97.76 99.67	92.19 93.27 94.96 96.54 97.76 99.67 101.25	1.76 1.08 1.69 1.58 1.22 1.91 1.58	85.00 93.74 91.00 94.37 88.18 93.25 95.98	8.81 1.73 7.47 4.25 6.91 3.00 2.04	3.36 2.03 0.58 0.61 2.74 2.40 0.76	0.399 0.372 0.098 0.099 0.233 0.212 0.137	1.128 0.970 0.229 0.212 0.796 0.617 0.198	127 91 54 85 89 98 68	3200 2437 617 587 2026 1811 562	82 63 42 40 59 48 46
101.29	105.77	4.48	INTERBEDDED STRONGLY CARBONACEOUS DOLOMDST (~70%) AND MODERATELY CARBONACEOUS F.G. DOLOMITIC LIME MDST TO PKST (30%)	40654	101.25	102.73	1.48	72.25	16.58	6.65	0.478	1.259	161	3785	175

DIAMOND DRILL LOG

A68

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-05

Dip Tests

Depth Angle

Claim: PAT 1 **Co-ordinates (UTM, NAD 83)**
Bearing: 0 **Easting:** 546235.4
Inclination: -60 **Northing:** 5989519.4
Province: BC **Elevation:** 705.7 m

Date Started: Sept. 05/07
Date Finished: Sept. 08/07
Date Logged: Sept. 06-09
Logged By: J. Tanton

Core Size: NQ
Casing: 15.85 m
Total Depth: 227.69 m

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	15.85	15.85	CASING: Overburden. 0.90=ground												
15.85	31.24	15.39	VERY STRONGLY CARBONACEOUS ARGILLACEOUS SILICEOUS DOLOMIST black, sooty, homogeneous, indescript, v.fine interbeds of dolomitic lime pksts and grsts(?), too thin to identify (<1%), very minor graphitic horizon at fracture planes, overall competent interval - generally breaks along bedding, minor to moderate white calcite veinlets - majority minor but small sections of abundant large veins up to ~2cm wide, messy and variable veinlets but commonly at low angles CA, occasionally v.c.g. bioclasts (v.minor): shell frags, belemnites, crinoids; bedding throughout very consistent (85°--perp, v.minor 75° CA) other than minor wavy horizons large calcite vein: 28.96-28.90 large (3mm) clear calcite crystals in veinlet dominantly shell pkst horizons: 26.52-26.72, 26.95-27.02 (~60% pkst), 27.11-27.23 (~50%), 28.42-28.46, 28.52-28.73, 29.49-29.65 shell belemnite(?) wkst: 28.91-29.02; white calcite bioclasts within blk mdst matrix rubbly horizon: 29.66--30.00 base set at the end of abundant blk carbonaceous mdsts	40669	15.85	19.79	3.94	75.26	4.94	13.67	0.531	1.476	398	4675	100
31.24	70.08	38.84	STRONGLY CARBONACEOUS DOLOMITIC LIME MDSTS (V.F.G. GRSTS?)/WKSTS TO V.C.G. STRONGLY CARBONACEOUS DOLOMITIC LIME SHELL PKST F.U.C.'S WITH CARBON-RICH BLK INTERBEDS (~15% OVERALL) dk-gy to blk, v.f.g. to c.g., pksts poorly sorted, minor to moderate white calcite veinlets - spidery, variable ~5-10%, <1cm thick; minor to moderate carbon-rich stylolites present throughout, moderately dolomitic (& siliceous) as disseminations and mud matrix, f.g. grst interbedded with blk mdsts always seems to be strongly dolomitic, cycles overall coarsen down hole - remains v.f.g. in cycle tops but bases v.c.g. pksts are strongly bioclastic: generally <1cm but occasionally shells up to ~2.5cm wide, abundant shells and shell frags (brachs & bivalves, minor gastro), crinoid ossicles, rare belemnite, rare solitary rugose coral, intraclasts F.U.C.'s: 31.24-41.53, -47.73 (abundant Ca, base of cycle approximate), -48.30, -53.00, -54.57, -58.08 (ignoring mdst interbeds), -61.17, -61.53, -61.91, -62.98, 66.39-66.82, -68.00, -70.08; some short cycles within cycle intervals minor vuggy with clear calcite crystals: 31.24-31.51 almost entirely white calcite (80%): 47.50-48.30, 50.30-50.42, 51.30-51.57; bx'd calcite vein within blk carbon-rich mud matrix/stylolites, sub-angular to angular clasts, ~30% Ca	40670	31.02	32.92	1.90	92.57	6.13	0.48	0.041	0.087	115	199	28
				40671	32.92	34.05	1.13	90.70	2.98	3.65	0.279	0.739	127	2222	33
				40672	34.05	35.69	1.64	89.32	4.65	3.60	0.184	0.523	146	1473	36
				40673	35.69	37.60	1.91	93.31	3.47	1.85	0.104	0.283	103	767	23
				40674	37.60	38.12	0.52	95.10	2.01	1.94	0.092	0.271	92	769	20
				40675	38.12	41.45	3.33	85.26	5.94	5.18	0.167	0.510	133	1573	37
				40676	41.45	42.37	0.92	78.20	5.67	10.33	0.500	1.461	215	4745	70
				40677	42.37	43.26	0.89	94.76	1.92	1.80	0.082	0.244	88	657	23
				40678	43.26	43.70	0.44	74.80	7.62	11.37	0.674	1.775	222	5733	89
				40679	43.70	45.19	1.49	91.37	3.14	3.82	0.169	0.495	104	1410	37
				40680	45.19	46.11	0.92	62.80	15.15	14.49	0.777	2.234	243	6888	120
				40681	46.11	47.44	1.33	87.34	3.05	6.29	0.305	0.908	96	2796	50
				40682	47.44	48.30	0.86	96.25	1.06	1.36	0.141	0.524	33	1483	49
				40683	48.30	49.98	1.68	93.06	1.72	3.08	0.164	0.442	67	1354	28
				40684	49.98	51.55	1.57	91.88	3.07	3.15	0.182	0.529	73	1491	44
				40685	51.55	52.75	1.20	98.39	0.68	0.19	0.032	0.077	30	164	18
				40686	52.75	53.26	0.51	97.85	0.64	0.58	0.116	0.242	46	424	24
				40687	53.26	54.31	1.05	97.20	0.91	0.83	0.120	0.346	47	809	25
				40688	54.31	55.55	1.24	98.36	0.68	0.07	0.025	0.031	24	81	19
				40689	55.55	57.30	1.75	98.83	0.68	0.10	0.053	0.039	37	86	20
				40690	57.30	58.09	0.79	98.32	0.74	0.29	0.053	0.110	38	255	17

DIAMOND DRILL LOG

A70

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-05

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
82.31	85.01	2.70	BRECCIATED LIME MDSTS & CLAST-RICH WKSTS lt-brownish-gy to dk-gy within v.dk-gy to blk mud matrix, poorly sorted, sub-rounded to angular clasts, weakly to moderately bx'd, majority very little matrix - commonly carbon-rich, stylolitic clast boundaries, strong white calcite veinlets - spidery, variable, <1/2 cm; bioclasts generally indeterminate - occasionally visible crinoid/shell/coral, calcareous except carbon stringers - siliceous/dolomitic likely a continuation of previous bx, only instead of dominantly well-bedded black carbon-rich mdst, it is dominantly med-gy lime mdsts/wksts finely laminated dolostone: 84.72-84.95; med-gy (v.strongly dolo) & v.dk-gy (moderately dolo)	40709	82.26	84.71	2.45	98.14	0.78	0.48	0.081	0.163	42	420	18
				40710	84.71	85.10	0.39	87.35	9.54	1.34	0.172	0.479	58	1140	31
85.01	85.79	0.78	CARBON-RICH SLIGHTLY SILICEOUS LIME MDST black, sooty, homogeneous, indscript, very small-scale bx'ion - puzzle bx in last 15cm with white calcite fill, strong white calcite veinlets - jagged, spidery; wavy bedding but generally ~70°-80° CA	40711	85.10	85.80	0.70	96.06	0.95	1.31	0.101	0.259	34	706	30
85.79	90.53	4.74	WEAKLY TO STRONGLY CARBONACEOUS LIMESTONE BX lt-brownish-gy and dk-gy to black, poorly sorted, common carbon-rich stylolites at clast edges, minor to moderate white calcite veinlets - spidery, overall weakly fractured, overall presence of bioclasts minor - shell frags, crinoids, colonial coral/bulbous strom; overall strongly calcareous, very weak disseminated dolomite variable clasts: mdst (majority lt-gy, homogeneous) to pkst, sub-rounded to sub-angular, range <1cm to 10cm matrix: v.strongly carbonaceous mdst & pkst bx'd strongly carbonaceous horizon: 85.86-86.21; sharp fractures with yellow (lim)-orange clay: 15°, 30° (~1cm of clay), 52° CA star-shaped crinoid (? , cannot see internal structure) ossicle: ~89.68 colonial coral (small blebs ~½cm): 87.40-87.47 bulbous stroms(?): 88.19-88.24 lt-gy homogeneous lime mdst-wkst (v.large clast?): 88.73-89.38 base set at the end of bx, sharp but irregular stylolitic contact	40712	85.80	87.25	1.45	97.80	0.78	0.78	0.092	0.190	39	400	23
				40713	87.25	88.72	1.47	98.32	0.67	0.31	0.044	0.058	29	129	20
				40714	88.72	89.48	0.76	98.82	0.61	0.19	0.042	0.034	36	76	20
				40715	89.48	90.53	1.05	98.11	0.75	0.15	0.038	0.059	26	106	14
90.53	103.25	12.72	THICKLY INTERBEDDED: MODERATELY BLEACHED AND MODERATELY TO STRONGLY CARBONACEOUS LIME MDSTS TO C.G. PKSTS cycles not evident bleached interbeds: lt-gy and lt-brownish-gy, homogeneous, indscript, original texture not obvious but appears to be mdst-wkst, strong to abundant white calcite veinlets carb interbeds: dk-gy to blk, v.strongly carbonaceous, mdst to c.g. pkst, minor sooty horizons, rare graphitic fracture surface, weakly to moderately stylolitic - carbon-rich & variable, abundant calcite-filled microfractures, strong white calcite veinlets overall ~15% overall strongly calcareous with v.minor dolomitic stringers	40716	90.53	91.93	1.40	98.99	0.59	0.07	0.038	0.036	27	46	22
				40717	91.93	93.33	1.40	98.84	0.61	0.19	0.067	0.041	26	48	25
				40718	93.33	93.51	0.18	97.80	0.85	0.53	0.091	0.192	44	382	21
				40719	93.51	94.20	0.69	98.90	0.65	0.10	0.052	0.046	20	62	18
				40720	94.20	95.02	0.82	97.27	1.15	0.68	0.095	0.264	45	498	21
				40721	95.02	95.62	0.60	98.78	0.63	0.14	0.107	0.051	42	87	36
				40722	95.62	97.15	1.53	98.37	0.69	0.48	0.063	0.112	33	258	24
				40723	97.15	98.12	0.97	99.02	0.59	0.08	0.055	0.043	18	78	17
				40724	98.12	99.85	1.73	95.71	3.14	0.41	0.109	0.171	43	386	25
				40725	99.85	100.81	0.96	97.95	1.43	0.11	0.076	0.054	30	120	24
				40726	100.81	102.45	1.64	91.81	5.39	1.01	0.219	0.491	57	1277	41
				40727	102.45	103.24	0.79	97.18	1.39	0.52	0.134	0.223	30	430	40

DIAMOND DRILL LOG

A71

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-05

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)	
			abundant calcite with lt-pinkish color - associated v.fine hematite: 91.09-91.38 (~90%), 92.56-93.37 (~40%) bleached horizons: 90.53-93.37 (stylolitic contact @ ~40° with carb below), 93.55-94.19 (sharp contact @ ~58° with carb below, hem at contact, 50° contact with carb above), 95.01-95.68 (stylolitic irregular contact with carb below, stylolitic carbon-rich contact with carb above - discontinuous calcite vein @ 41°, sharp fracture surface with orange clay and slicks), 97.13-98.10 (stylolitic carbon fracture contact with carb below @ 74°, stylolitic gradational contact with carb above) base set at the start of very strongly bleached rock, distinct color change from v.dk-gy to whitish-gy, stylolitic but sharp contact @ 56° CA													
103.25	141.66	38.41	STRONGLY BLEACHED LIME STROMATOPOROID BOUNDSTONE AND LIME MDST-PKST lt-brownish-gy and lt-gy, homogeneous in gross overall aspect, host rock very difficult to identify due to bleaching but acid etching exposes fossils - v.c.g. shell frags (up to ~4.5cm l.) and stroms (mats & frags, fingers), abundant white calcite-filled microfractures, overall mod to strong white calcite veinlets - majority <1/2cm, occasionally 1-2cm, calcite content varies greatly over entire interval - long sections of minor to mod and long sections of abundant, overall <15%; overall strongly calcareous interval with very minor disseminated dolomite the boundstone is likely strongly bleached unlike the surrounding rock because the higher porosity of the bdst is more susceptible to the bleaching fluids, likely accompanied by pkst/grst but unable to identify due to bleaching, definitely some non-bdst rocks present but the original textures are cryptic - occasionally visible but indeterminate grains, bdst becomes less visible/obvious below 120m - perhaps more abundant mdst-pkst bright pink-orange bands - abundant hematite staining: 36.31-36.34, 36.42-36.52 very weakly vugged intervals with clear calcite crystals: 103.25-104.36, 107.02-107.37, 108.81-109.20, 109.53-109.68, 111.23-111.46, 117.45-117.74, 123.60-124.13, 124.34-124.98, 127.10-127.82, 128.63-129.40 (128.98-129.10 - moderate hematite and limonite along ~parallel fracture), 137.13-137.44, 139.86-140.25, 141.18-141.56 hematite stylolites (variable ~50°-70°) and strong staining in first ~10cm: 103.25-103.58 dolomitic horizons: 125.75-126.41 (lt-gy, crumbly, micro-bx texture, dolostone), 132.28-132.88 (moderately to strongly dolomitic, lt-gy and pinkish mottles, dolomite stringers) abundant white calcite horizons: 120.84-125.64 (~65% veinlets, locally 90%, commonly lt-pink tinge due to assoc hem), 126.69-126.92 (large irregular milky white calcite 'blob', porosity infill?), 133.85-134.75 (structural, ~90% Ca, strong orange clay along fractures, strong orange & red stylolites, pink-orange tinge to Ca, upper contact: 20°, lower: 45°), 134.52-134.56 (entirely orange clay with clear calcite crystals, slicks on contacts), 134.75-136.07 (~60% veinlets), 140.95-141.66 (~65% veinlets); abundant calcite-filled microfractures below 120m	40728	103.24	104.31	1.07	98.85	0.56	0.12	0.050	0.029	28	40	25	
				40729	104.31	105.54	1.23	97.74	0.90	0.39	0.077	0.172	25	297	24	
				40730	105.54	107.85	2.31	98.86	0.57	0.10	0.044	0.030	27	75	38	
				40731	107.85	109.59	1.74	99.00	0.59	0.07	0.039	0.035	31	87	33	
				40732	109.59	111.22	1.63	98.86	0.63	0.10	0.052	0.044	26	82	36	
				40733	111.22	112.96	1.74	98.92	0.61	0.06	0.061	0.031	30	73	34	
				40734	112.96	114.90	1.94	98.94	0.63	0.11	0.036	0.035	34	85	23	
				40735	114.90	117.15	2.25	99.15	0.52	0.02	0.052	0.016	22	20	27	
				40736	117.15	119.23	2.08	98.73	0.60	0.13	0.068	0.027	36	38	27	
				40737	119.23	120.81	1.58	99.08	0.58	0.06	0.036	0.020	28	43	30	
				40738	120.81	122.46	1.65	98.80	0.61	0.16	0.064	0.035	23	57	29	
				40739	122.46	124.05	1.59	98.92	0.58	0.07	0.069	0.033	<20	54	25	
				40740	124.05	125.75	1.70	98.38	0.86	0.14	0.078	0.063	27	123	33	
				40741	125.75	126.40	0.65	75.56	23.85	0.07	0.078	0.042	41	26	39	
				40742	126.40	127.10	0.70	98.69	0.60	0.05	0.038	0.023	17	48	21	
				40743	127.10	129.06	1.96	99.07	0.54	0.04	0.033	0.025	<20	37	16	
				40744	129.06	130.61	1.55	98.49	0.78	0.33	0.041	0.077	28	120	15	
				40745	130.61	132.30	1.69	98.98	0.62	0.09	0.028	0.044	<20	81	11	
				40746	132.30	133.91	1.61	94.19	5.30	0.11	0.043	0.057	21	62	13	
				40747	133.91	134.75	0.84	96.04	1.24	0.94	0.163	0.410	20	475	52	
				40748	134.75	136.06	1.31	98.02	1.00	0.18	0.042	0.083	<20	35	21	
				40749	136.06	136.50	0.44	97.95	1.29	0.32	0.053	0.126	21	32	26	
				40750	136.50	138.75	2.25	98.49	0.64	0.39	0.046	0.049	29	94	28	
				40751	138.75	140.40	1.65	99.03	0.55	0.12	0.030	0.026	20	30	25	
				40752	140.40	141.67	1.27	98.92	0.60	0.15	0.036	0.031	27	35	43	
141.66	142.17	0.51	TRANSITION ZONE: INTERBEDDED MODERATELY TO STRONGLY BLEACHED LIME MDST AND STRONGLY CARBONACEOUS LIME MDST Carbonaceous: v.dk-gy to black, abundant carbon-rich stylolites, strong variable white Ca	40753	141.67	142.17	0.50	97.79	1.10	0.21	0.070	0.083	<20	37	18	

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-05

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			base set at the end of carbonaceous rock & the start of calcareous lmst with dolomitic mottles/stringers structural contact - sharp @ 50° CA, abundant orange clay-filled stylolites and Ca veining for first ~8cm of next interval												
199.22	215.67	16.45	WEAKLY BLEACHED DOLOMITIC LIME BDST & F.G. LIME GRST lt- to med-gy, homogeneous in gross aspect, original textures difficult to see but obvious boundstones, majority of bioclasts difficult to identify, ~20% moderately to strongly vuggy with clear calcite crystals commonly associated with local brecciation, other than moderate to strong calcite-healed fractures rock is weakly fractured & competent, overall calcareous rock with occasional strongly dolomitic mottles visible bioclasts: stroms (cannot see internal structure but typical mats & fingers binding mud & grst), corals (?), colonial white calcite blebs), crinoids, shells (brach, bivalve, gastro)	40793	199.26	200.79	1.53	95.74	2.17	0.55	0.131	0.242	26	587	59
			Bdst: the dolomite is present as stringers & mottles - bound dolomud, instead of the typical Ca-filled porosity it is filled with dolomud (lt-orange), moderate spidery white Ca veinlets Grst: v.strongly microfractured, strong Ca veinlets <½ cm; calcareous, no dolomite tried to break out dolomite-mottled bdst and calcareous grst but very in & out base set at start of carbonaceous rock, distinct color change; lg milky white Ca vein (4cm) at contact @ 47° CA, minor slickenlines - structural	40794	200.79	202.53	1.74	96.13	1.91	0.83	0.101	0.396	38	1230	50
				40795	202.53	204.19	1.66	96.42	2.31	0.43	0.065	0.180	41	552	41
				40796	204.19	206.20	2.01	95.87	2.91	0.09	0.046	0.048	29	130	40
				40797	206.20	207.74	1.54	96.26	3.11	0.14	0.079	0.051	53	137	47
				40798	207.74	209.40	1.66	98.95	0.60	0.07	0.050	0.049	29	78	39
				40799	209.40	211.19	1.79	98.43	0.56	0.44	0.029	0.046	46	81	36
				40800	211.19	212.92	1.73	98.09	0.69	0.29	0.057	0.056	30	109	39
				40801	212.92	214.30	1.38	99.04	0.57	0.06	0.051	0.021	24	53	42
				40802	214.30	215.66	1.36	97.36	1.20	0.41	0.069	0.081	28	188	41
215.67	227.69	12.02	MODERATELY TO STRONGLY CARBONACEOUS DOLOMITIC LIME MDST TO GRST WITH THIN BLACK CARBON-RICH DOLOMITIC SILTY ARGILLACEOUS MDST INTERBEDS dk-gy to black, darker than above, v.f.g. mdsts and v.c.g. grsts - v. in & out, not homo, no consistent cycling - some fining upwards & some coarsening, pksts and grsts v.poorly sorted, moderate white Ca as v.fine veinlets, bioclasts - shells & shell frags most common, crinoids, stroms (?) interval overall strongly dolomitic - dolomud, thin beds, strong disseminations blk mdst interbeds abundant from 216.24-218.44 (~70%, sooty, minor bx & shearing), rest of interval only 5-10% mottled appearance & rounded small white Ca blebs (likely bdst - corals & stroms): 226.23-227.4 first ~8cm: brecciated angular white Ca vein fragments within blk carbon-rich matrix moderately vuggy with clear calcite: 222.10-222.68 v.strongly vuggy, crumbly texture: 225.55-225.89 rubbly horizons (blocky): 223.41-223.62, 223.99-224.14, 224.42-224.64, 224.89-224.99 shearing textures @ 55°-60° CA: 222.43-222.84 bx textures - weak, -in place: below 222.84 bedding: 66° @ 216.28, 85° @ 216.67, 69° @ 217.57, 67° @ 218.17, 82° @ 219.60, 81° @ 220.88 no dependable beddings after 222.83m EOH = 227.69m	40803	215.66	216.88	1.22	74.07	20.25	2.50	0.471	1.000	148	2387	100
				40804	216.88	218.44	1.56	72.18	18.29	5.13	0.672	1.217	135	3446	142
				40805	218.44	219.36	0.92	84.90	12.41	1.23	0.170	0.235	41	612	58
				40806	219.36	221.44	2.08	78.61	17.16	1.71	0.312	0.605	62	1403	79
				40807	221.44	222.40	0.96	90.78	7.01	1.33	0.107	0.175	38	434	48
				40808	222.40	223.94	1.54	85.55	12.30	0.95	0.140	0.284	47	500	55
				40809	223.94	225.20	1.26	86.61	11.22	0.68	0.204	0.293	44	743	57
				40810	225.20	226.29	1.09	95.43	3.31	0.28	0.064	0.095	30	109	42
				40811	226.29	227.69	1.40	93.20	5.43	0.31	0.073	0.085	24	104	44

DIAMOND DRILL LOG

A76

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-06

Dip Tests

Depth | Angle

Claim: PAT 1 **Co-ordinates (UTM, NAD 83)**
Bearing: 0 **Easting:** 546402.5
Inclination: -60 **Northing:** 5989522.5
Province: BC **Elevation:** 710.8 m

Date Started: Sept. 09/07
Date Finished: Sept. 11/07
Date Logged: Sept. 10-12
Logged By: J. Tanton

Core Size: NQ
Casing: 4.88 m
Total Depth: 181.97 m

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	4.88	4.88	CASING: Overburden. 0.90=ground												
4.88	14.33	9.45	WEAKLY CARBONACEOUS DOLOMITIC LIME BOUNDSTONE WITH MINOR C.G. DOLOMITIC LIME WKST-PKST dk-gy, v. slightly bleached(?), textures not easily recognizable, strong white spidery calcite veinlets, bioclast-rich: corals and/or stroms (white calcite blebs), crinoids, shells moderately dolomitic as bound mud and fine disseminations - strongest in coral(?) intervals base set at the start of darker carbonaceous mdsts, gradational contact - not obvious	40812	4.88	6.53	1.65	94.25	4.12	1.06	0.048	0.121	771	290	33
				40813	6.53	8.17	1.64	94.97	3.08	1.12	0.080	0.174	200	443	38
				40814	8.17	9.18	1.01	92.42	4.63	1.46	0.084	0.193	91	485	39
				40815	9.18	11.28	2.10	94.59	3.21	0.93	0.083	0.171	56	414	43
				40816	11.28	13.08	1.80	93.54	4.08	1.22	0.109	0.212	46	534	49
				40817	13.08	14.33	1.25	95.20	2.83	1.04	0.074	0.160	44	411	51
14.33	17.62	3.29	STRONGLY CARBONACEOUS SHEARED DOLOMITIC LIME MDST v. dk-gy and minor dk-brownish-gy, strong carbon-rich stylolites, abundant white calcite - ~40% overall, weakly to moderately fractured other than Ca-healed fractures, shearing textures range ~55°-80°CA - rock distorted, no distinguishable bedding base set at end of carbonaceous rock and start of calcite-rich rock, sharp contact @ 45°CA	40818	14.33	15.20	0.87	96.56	2.00	0.26	0.049	0.060	26	136	132
				40819	15.20	16.45	1.25	91.04	7.41	0.51	0.056	0.086	39	162	141
				40820	16.45	17.62	1.17	95.96	2.38	0.88	0.057	0.136	25	313	42
17.62	33.86	16.24	MODERATELY BLEACHED LIME MDST lt-gy and lt-brownish-gy, homogeneous, indescrpt, strong white calcite veinlets (spidery, minor consistently 60°CA) ~20% overall 70% locally, minor puzzle breccia, other than abundant calcite-healed fractures the rock is competent and weakly fractured, surficial staining minor but throughout as lt-orange and red v. fine stylolites and along fracture surfaces, v. rare visible bioclast: rounded, med-gy, likely a strom/coral strongly calcareous throughout except one section with dolomitic mottles and stringers: 22.45-23.11 short carbonaceous/un-bleached horizon with weakly disseminated dolomite: 25.53-26.10 coarsens to a f.g. clast-rich wkst: 33.35-33.86 base marked at the start of carbonaceous rock, stylolitic contact @ ~70°CA	40821	17.62	18.18	0.56	98.46	0.58	0.22	0.032	0.032	26	83	22
				40822	18.18	19.90	1.72	98.76	0.55	0.27	0.044	0.063	24	158	25
				40823	19.90	21.31	1.41	97.15	0.78	0.85	0.286	0.120	41	313	58
				40824	21.31	22.38	1.07	98.04	0.83	0.39	0.061	0.155	31	341	29
				40825	22.38	23.11	0.73	95.29	2.82	0.86	0.054	0.122	46	308	26
				40826	23.11	24.22	1.11	98.10	0.68	0.73	0.068	0.099	68	251	29
				40827	24.22	25.54	1.32	98.56	0.62	0.42	0.080	0.070	35	184	28
				40828	25.54	26.10	0.56	97.98	0.71	0.78	0.047	0.104	37	276	24
				40829	26.10	27.68	1.58	98.52	0.59	0.46	0.062	0.066	39	179	28
				40830	27.68	28.82	1.14	97.79	0.57	0.59	0.063	0.086	33	247	23
				40831	28.82	30.56	1.74	98.52	0.57	0.40	0.070	0.069	36	191	29
				40832	30.56	32.38	1.82	97.43	1.02	0.52	0.061	0.105	41	294	29
				40833	32.38	33.32	0.94	97.69	0.83	0.36	0.067	0.102	37	245	32
				40834	33.32	33.75	0.43	98.38	0.64	0.26	0.102	0.125	31	331	66
33.86	40.85	6.99	VERY STRONGLY CARBONACEOUS STRONGLY DOLOMITIC LIME MDST (5D(5C)) v. dk-gy to blk, homogeneous, sooty blk stylolites, carbon-rich fracture surfaces (minor graphitic), abundant microfractures filled with calcite and spidery veinlets avg 3mm - up to ~1½cm, ~20% calcite overall dolomud and disseminations strong olive-brown clay along fractures @ ~parallel and 60°CA: 35.30-35.70 last 36cm: shearing @ 65°-70°CA, abundant calcite ~50%, strongly stylolitic - carbon-rich base marked at the end of carbonaceous rock, structural stylolitic contact @ 65°CA	40835	33.75	35.17	1.42	89.66	6.99	1.51	0.212	0.296	42	777	152
				40836	35.17	35.68	0.51	93.78	2.99	1.44	0.174	0.307	65	778	166
				40837	35.68	37.44	1.76	89.36	4.93	2.93	0.175	0.504	95	1284	72
				40838	37.44	39.17	1.73	91.97	3.78	2.96	0.137	0.404	61	992	71
				40839	39.17	40.96	1.79	92.16	3.09	3.20	0.145	0.535	80	1413	87

DIAMOND DRILL LOG

A77

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-06

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
40.85	49.87	9.02	V.F.G. LIME GRST & DOLOMITIC LIME GRST bioclasts indeterminate - too f.g. but still grainy, lt- to med-gy to dk-gy, color gradually lightens down hole, other than slight color change rock is homogeneous, strong v.fine calcite veinlets but overall only ~5% calcite overall calcareous, some moderately dolomitic - present as beds, disseminations, mottles first ~7cm of interval: abundant calcite, strong hematite and orange clay along fractures and in stylolites - structural horizon; lesser orange clay and hematite along fractures throughout pinkish-gy rock, strong calcite ~50% with strong orange clay on fracture surfaces: 40.92-42.12 dolomite present as dolomud and disseminations abundant orange clay and breccia: 41.55-41.61 pinkish (hematite staining) and lt-gy (dolomitic) mottles: 47.70-49.87 strongly carbonaceous horizons (irregular, stylolitic): 45.97-46.05, 46.44-46.54; other <1cm bands base marked at the start of stronger carbon content, gradational contact	40840	40.96	42.10	1.14	94.39	3.70	0.79	0.162	0.341	44	686	128
				40841	42.10	44.04	1.94	98.08	0.72	0.30	0.069	0.124	30	270	24
				40842	44.04	45.62	1.58	98.39	0.60	0.25	0.050	0.090	51	219	19
				40843	45.62	47.70	2.08	94.85	4.09	0.48	0.062	0.104	68	254	22
				40844	47.70	48.88	1.18	91.72	6.75	0.44	0.072	0.192	47	453	35
				40845	48.88	49.85	0.97	97.30	1.63	0.53	0.078	0.110	56	273	20
49.87	54.23	4.36	MODERATELY TO STRONGLY CARBONACEOUS DOLOMITIC LIME MDST AND V.F.G. DOLOMITIC LIME GRST dk- to v.dk-gy, homogeneous, gradational darkening of color down hole, a continuation of the above interval but distinctly darker color (higher carbon content) and more abundant dolomite as dolomud and strong disseminations, strongly stylolitic - blk and carbon-rich strong calcite veinlets ~20% and orange clay: 52.89-53.95 possible bedding: 68°CA @ 51.56 base marked at first carbon-rich mdst interbed, sharp contact @ 65°CA	40846	49.85	51.16	1.31	95.09	3.03	0.86	0.118	0.308	61	822	31
				40847	51.16	52.89	1.73	93.57	3.51	1.01	0.140	0.238	53	609	33
				40848	52.89	54.20	1.31	94.47	2.97	1.34	0.153	0.424	61	1101	56
54.23	69.23	15.00	MODERATELY TO STRONGLY CARBONACEOUS DOLOMITIC LIME MDST, MINOR WKST-PKST WITH CARBON-RICH SILTY MDST INTERBEDS v.dk-gy to blk, majority strongly carbonaceous, moderately stylolitic throughout, strong calcite veinlets throughout - ~15-20% overall, locally up to 80%, common puzzle bx (70%), overall weakly dolomitic, minor moderate, disseminated, weakly to strongly siliceous carbon-rich sooty blk mdst interbeds: 54.23-54.85 (~60%), 55.52-55.84 (20%), 57.43-57.62 (100%), 58.88-59.56 (80%), 60.39-60.51 (70%), 60.62-61.22 (70%), 63.74-64.10 (90%, sooty, messy), 65.86-65.93 (80%) bedding: 80°CA @ 54.47, 63° @ 54.79, 65° @ 59.14, 60° @ 60.35; highly variable, likely not very dependable due to strong bx'ion and sh'ing in surrounding rock abundant calcite-filled microfractures, due to bx'ion and strong veinlets it is difficult to identify host rock but it appears to be wkst with ~3cm of pkst at base: 66.14-69.23; bioclasts indeterminate - occasionally visible crinoids 1cm wide calcite vein with associated orange-brown clay (upper and lower contacts 40° & 20°): 65.60, 65.76	40849	54.20	55.02	0.82	67.51	6.53	16.90	0.698	1.653	177	6701	217
				40850	55.02	57.13	2.11	93.75	2.20	2.91	0.143	0.299	54	872	43
				40851	57.13	58.73	1.60	85.75	3.68	7.27	0.342	0.871	124	3522	101
				40852	58.73	60.20	1.47	83.62	4.76	7.65	0.444	1.025	146	3905	128
				40853	60.20	61.67	1.47	91.87	2.55	3.59	0.112	0.323	71	999	44
				40854	61.67	63.09	1.42	95.83	2.40	0.81	0.100	0.251	42	665	33
				40855	63.09	64.47	1.38	90.97	2.51	4.24	0.186	0.414	53	1321	64
				40856	64.47	65.60	1.13	95.92	1.72	0.95	0.148	0.393	65	1063	48
				40857	65.60	67.24	1.64	97.44	1.09	0.49	0.111	0.175	32	255	37
				40858	67.24	68.71	1.47	97.79	0.85	0.40	0.088	0.097	36	95	30
				40859	68.71	69.22	0.51	95.32	2.08	1.12	0.207	0.503	47	369	52

DIAMOND DRILL LOG

A78

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-06

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)	
			base marked at the end of strongly carbonaceous rock, contact sharp @ 60°CA, ~2mm of calcite													
69.23	70.99	1.76	V.C.G. STROMATOPOROID LIME BOUNDSTONE AND MINOR C.G. LIME PKST (~30%) lt-gy and lt-brownish-gy, carbon stylolites, localized brecciation, weakly fractured, v.competent core, v.minor calcite veinlets - nearly none, c.g. bioclasts in pkst: stroms (mats, - fragments, don't look in place, fingers and irregular bulbous masses), crinoids, intraclasts entirely calcareous	40860 40861	69.22 69.93	69.93 70.96	0.71 1.03	98.44 98.91	0.72 0.64	0.05 0.15	0.040 0.017	0.016 0.023	43 55	35 39	17 16	
			first ~33cm: dk-gy, grades from moderately carbonaceous to weakly carb													
			base marked at the start of v.strong bleaching, sharp contact @ 40°CA													
70.99	73.93	2.94	ENTIRELY BLEACHED INTERVAL (=WHITE CRYSTALLINE CALCITE) white, homogeneous, indescrpt, v.minor (<5%) lt-gy rock likely remnants or original host rock and <1% pinkish-orange tinge (hematite, limonite staining), likely a continuation of bdst above (cont's below) but entirely bleached out	40862 40863	70.96 71.45	71.45 73.87	0.49 2.42	98.86 99.09	0.44 0.44	0.05 0.06	0.040 0.036	0.018 0.010	35 41	<30 <30	58 60	
			algal mat textures present but more likely indicative of the bleaching fluids path than actual bioclastic mats													
			base marked at the end of white and return to certain bdst, sharp contact @ 53°CA													
73.93	76.23	2.30	V.C.G. STROMATOPOROID LIME BOUNDSTONE lt-gy and lt-brownish-gy, poorly sorted, weakly fractured competent core, minor limonite and orange staining on all fracture surfaces, nearly no calcite veins, bioclasts: strom mats, crinoids, shell frags, bioclasts generally indeterminate in bound m.g. pkst, entirely calcareous	40864	73.87	76.16	2.29	98.95	0.59	0.02	0.023	0.014	44	<30	19	
			strong calcite veining: 73.98-74.05, 75.97-76.23													
			moderately to well fractured, blocky fracturing: 75.46-76.10													
			base marked at return to strongly bleached rock, sharp contact @ 35° CA													
76.23	94.34	18.11	ENTIRELY BLEACHED ROCK (WHITE CRYSTALLINE CALCITE) same as '70.99-73.93' except: weak to moderate limonite and orange clay along nearly all fracture surfaces more fractured - overall moderate, some low angle (~parallel to 30° CA), minor blocky	40865 40866 40867 40868 40869	76.16 77.30 78.91 80.38 81.38	77.30 78.91 80.38 81.38	1.14 1.61 1.47 1.00	99.20 99.32 99.26 99.09	0.47 0.42 0.45 0.47	0.04 0.06 0.02 0.03	0.047 0.038 0.046 0.067	0.016 0.019 0.013 0.017	25 34 25 36	<30 30 <30 <30	39 39 38 87	
			strongly fractured with v.strong hematite and orange clay along fracture surfaces - irregular, wavy: 87.20-92.40	40870 40871 40872	82.90 84.42 85.82	84.42 85.82 87.22	1.52 1.52 1.40	98.84 99.37 98.54	0.42 0.42 0.45	0.01 0.01 0.12	0.056 0.036 0.055	0.013 0.016 0.031	30 31 35	<30 <30 <30	80 74 68	
			minor lt-gy clast-rich lime wkst-pkst	40873 40874	87.22 88.54	88.54 90.52	1.32 1.98	98.51 99.30	0.58 0.42	0.29 0.06	0.070 0.032	0.137 0.015	44 32	238 <30	27 48	
			base marked at end of white rock, sharp contact @ 57° CA with slickenlines	40875 40876	90.52 92.13	92.13 94.31	1.61 2.18	99.30 99.25	0.44 0.44	0.01 0.01	0.041 0.044	0.009 0.007	39 32	36 29	45 44	
94.34	104.20	9.86	V.C.G. STROMATOPOROID LIME BOUNDSTONE lt-gy and lt-brownish-gy, lighter bioclasts in darker matrix, similar to '73.93-76.23', majority	40877 40878	94.31 95.72	95.72 97.09	1.41 1.37	98.37 98.99	0.62 0.59	0.60 0.03	0.026 0.033	0.027 0.019	59 49	53 45	19 17	

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-06

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			114.20-120.21: appears to be all mdsts but textures may be cryptic due to shearing base marked at the end of carbonaceous rock, contact sharp but stylolitic and highly irregular												
120.21	121.91	1.70	DOLOMITIC LIME MDST lt-gy, homogeneous, grainy appearance - v.f.g. grst?, abundant calcite veinlets and filled microfractures but only ~10% calcite overall stylolitic, 1-3cm orange stained bands: 121.00-121.12 sharp clean fracture @ 35°CA with stylolites: 121.61 base marked at the start of strongly carbonaceous rock, stylolitic irregular contact @ ~60°	40898	120.21	121.90	1.69	96.41	3.07	0.15	0.082	0.081	34	92	40
121.91	123.39	1.48	MODERATELY TO STRONGLY CARBONACEOUS DOLOSTONE dk- to v.dk-gy, lt- to dk-gy when etched, strongly stylolitic, abundant microfractures - breccia appearance when etched crumbly fracture with dk-reddish-brown clay: 122.74 base marked at the end of carbonaceous dolostone	40899	121.90	123.32	1.42	76.21	21.30	1.17	0.121	0.325	65	112	105
123.39	136.45	13.06	INTERBEDDED(?) OR CYCLIC DOLOMITIC LIME MDST AND V.C.G. STROM BDST TO DOLOSTONE lt- to dk-gy, variable color between cycles dolomite appears gradational - v.weakly dolomitic or non-dolo at top becomes gradually more dolomitic with a dolomdst base; starts as weak disseminations, then stringers & mottles, some bound(?) dolomud and then dolostone abundant microfractures, strong spidery veinlets ~20% calcite overall but locally 100% & horizons with nearly none, abundant strom mats in bdst but rarely other bioclasts visible cycles of lime mdst to dolostone: 123.39-125.20, -126.90, -127.54, -128.80, -133.19, -136.45 abundant calcite: 130.77-131.41 (70%), 135.82-136.45 (90%) moderately carbonaceous horizon (strongly carb relative to surrounding rock): 127.53-128.80 base marked at the end of dolostone and start of consistently calcareous lime mdst, large calcite vein at end of interval, contact sharp @ 45° CA	40900 40901 40902 40903 40904 40905 40906 40907 40908 40909 40910 40911 40912 40913	123.32 124.81 125.16 126.13 126.92 127.54 128.78 130.14 130.75 131.35 132.08 132.08 133.19 133.19 134.97 135.83 135.83	124.81 125.16 126.13 126.92 127.54 128.78 130.14 130.75 131.35 132.08 132.08 133.19 133.19 134.97 135.83 136.55	1.49 0.35 0.97 0.79 0.62 1.24 1.36 0.61 0.60 0.73 1.11 1.78 0.86 0.72	96.15 72.21 79.73 63.26 61.14 62.43 96.61 98.96 99.23 90.99 77.36 87.89 79.47 98.83	3.35 25.24 18.73 35.66 36.15 35.82 2.69 0.60 0.47 7.58 21.76 10.62 19.20 0.85	0.08 0.31 0.17 0.15 0.92 0.27 0.25 0.06 0.02 0.58 0.04 0.78 0.19 0.01	0.065 0.085 0.058 0.080 0.120 0.097 0.057 0.100 0.021 0.088 0.040 0.045 0.086 0.045	0.053 0.078 0.059 0.079 0.095 0.079 0.025 0.009 0.021 0.016 0.015 0.088 0.017 0.050	30 54 40 50 57 32 23 <20 36 33 60 34 22	55 54 48 71 134 60 31 <30 <30 <30 36 <30 36 <30	29 49 54 40 50 45 16 22 34 32 22 22 26 26
136.45	140.63	4.18	LIME MDST lt- to med-gy, homogeneous, indescrpt, occasionally small visible grains - mud-rich v.f.g wkst?, v.minor calcite veinlets - spidery, weakly fractured overall but occasionally accompanied by moderate hematite and orange clay and slickenlines, strongly calcareous throughout white crystalline calcite vein with moderate hematite along fracture surfaces and in stylolites, vein @ 50° CA: 140.45-140.60	40914 40915 40916	136.55 138.31 139.66 140.58	138.31 139.66 140.58	1.76 1.35 0.92	99.10 98.45 97.50	0.55 0.74 1.59	0.01 0.25 0.22	0.034 0.051 0.084	0.012 0.085 0.064	22 26 58	<30 53 132	15 20 26

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-06

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
162.50	163.68	1.18	CALCITE VEIN BRECCIA IN A CARBONACEOUS DOLOMITIC LIME MDST MATRIX white vein calcite clasts (angular, variable up to ~7cm) within a v.dk-gy strongly carb dolomitic (weakly disseminated) lime mdst matrix (distorted - some sections appear grainy), strongly stylolitic - blk and carbon-rich base marked by obvious end of carbonaceous vein breccia, sharp stylolitic contact at about perpendicular CA	40932	162.50	163.68	1.18	95.67	0.78	1.57	0.476	0.713	76	2268	58
163.68	181.97	18.29	M.G. TO V.C.G. LIME BOUNDSTONE lt- to med-gy and lt-brownish-gy, minor lt-pinkish-orange mottles throughout, poorly sorted, overall weakly fractured but slickenlines common on surfaces, minor orange clay common along fracture surfaces, nearly no calcite veinlets, minor small irregular calcite porosity-fill up to ~3cm m.g.-v.c.g. bioclasts: mat textures (cannot see internal structure) prominent throughout - etch lighter than surrounding matrix, crinoids, shell frags, "sticks", corals(?) or strom fingers, majority indeterminate; independent of strom mats the interval overall coarsens down hole nearly entirely calcareous - occasional dolomitic stringer and v.weakly disseminated dolomite in top ~7m strong pink-orange-brown mottles/staining, stylolitic: 164.23-164.44 ~½cm yellow-white calcite vein with strong assoc hematite and orange-brown clay: 163.97 well fractured (blocky) with v.strong orange clay - vug and fracture infill: 171.40-172.49, 178.75- 179.83 entirely white crystalline calcite with v.lt-pinkish-orange tinge: 173.14-173.53; upper contact 45°, lower contact 15° (irregular) EOH = 181.97m	40933	163.68	164.43	0.75	95.40	0.87	1.65	0.243	1.002	69	1721	80
				40934	164.43	166.09	1.66	97.32	0.81	0.99	0.070	0.304	47	608	54
				40935	166.09	167.77	1.68	96.50	0.80	0.85	0.081	0.613	64	1200	61
				40936	167.77	169.03	1.26	98.41	0.65	0.38	0.071	0.158	47	407	54
				40937	169.03	170.36	1.33	97.65	0.70	0.42	0.074	0.281	50	550	49
				40938	170.36	171.44	1.08	97.86	0.63	0.77	0.091	0.110	76	283	46
				40939	171.44	173.14	1.70	97.22	0.70	0.72	0.173	0.652	58	620	67
				40940	173.14	173.54	0.40	99.02	0.50	0.09	0.056	0.031	30	58	63
				40941	173.54	175.05	1.51	98.88	0.57	0.03	0.040	0.018	39	56	37
				40942	175.05	176.56	1.51	99.06	0.56	0.04	0.040	0.021	41	51	38
				40943	176.56	178.51	1.95	98.72	0.59	0.13	0.046	0.228	43	78	46
				40944	178.51	179.87	1.36	97.88	0.59	0.51	0.114	0.219	36	444	44
				40945	179.87	180.49	0.62	98.57	0.58	0.50	0.040	0.033	86	99	36
				40946	180.49	181.97	1.48	98.80	0.59	0.12	0.026	0.059	42	68	37

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-07

Dip Tests

Depth	Angle

Claim: PAT 1 **Co-ordinates (UTM, NAD 83)**
Bearing: 0 **Easting:** 546252.4
Inclination: -60 **Northing:** 5989709.6
Province: BC **Elevation:** 714.0 m

Date Started: Sept. 12/07
Date Finished: Sept. 16/07
Date Logged: Sept. 13-16
Logged By: J. Tanton

Core Size: NQ
Casing: 15.54 m
Total Depth: 127.10 m

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	15.54	15.54	CASING: Overburden. 0.90=ground												
15.54	34.56	19.02	BRECCIATED AND SHEARED MODERATELY TO STRONGLY CARBONACEOUS DOLOMITIC LIME MDST TO WKST WITH CARBON-RICH SILTY DOLOMITIC LIME MDST INTERBEDS dk-gy to blk, variable, moderate blk stylolites throughout, overall weakly bx'd and sheared - original textures distorted but rock ~in place, cannot identify f.u.c.'s, very strong calcite veinlets - 20% overall - weaker in sooty carbon-rich mdsts, weakly to moderately fractured - very minor rubble, shearing textures commonly at 50°-65° but they vary, no dependable bedding, majority of bioclasts indeterminate - visible colonial corals(?): small rounded white calcite blebs up to ~½cm in groups near the base of the interval, rare crinoids & shell frags horizons with abundant calcite: 18.12-19.08 (~80% Ca, host rock is strongly dolomitic), 30.57-31.58 (bleached horizon, ~75% Ca, locally >95%; limonite & orange clay along blocky fractures), 31.66-31.87 (~70%, associated bleaching) blk sooty strongly carbonaceous mdst interbeds >2cm; moderate graphitic shears on fracture surfaces/partings, strongly dolomitic, silty(?): 17.60-17.66, 17.72-18.10, 19.41-19.51, 24.20-24.62, 25.73-25.92, 26.60-27.15, 27.52-27.61, 27.90-29.22 wavy ~parallel to 10°CA fracture with moderate reddish-brown clay/smears: 22.20-23.14; rock slightly bleached dolomdst: 29.21-29.97 base marked at the end of carbonaceous rock & start of bleached; sharp but stylolitic wavy contact @ ~25°CA	40947	15.54	17.52	1.98	93.27	3.38	1.91	0.144	0.309	45	795	40
				40948	17.52	18.20	0.68	78.22	1.35	13.45	0.528	1.199	105	4092	309
				40949	18.20	18.54	0.34	96.52	0.62	1.86	0.084	0.227	42	538	53
				40950	18.54	20.72	2.18	94.00	3.51	1.26	0.095	0.198	57	479	60
				40951	20.72	21.76	1.04	97.44	0.78	0.55	0.084	0.116	37	361	31
				40952	21.76	23.19	1.43	96.74	1.33	0.76	0.149	0.178	41	440	46
				40953	23.19	24.22	1.03	96.09	0.92	1.72	0.238	0.352	37	1047	48
				40954	24.22	25.22	1.00	88.53	2.86	4.60	0.353	0.847	66	2702	73
				40955	25.22	26.60	1.38	90.58	3.14	3.61	0.364	0.591	50	1738	85
				40956	26.60	27.74	1.14	71.87	4.31	12.40	0.661	2.191	177	8314	139
				40957	27.74	29.21	1.47	77.21	1.56	13.09	0.486	1.469	112	4697	185
				40958	29.21	30.56	1.35	81.20	16.99	0.84	0.145	0.289	51	265	132
				40959	30.56	31.79	1.23	98.36	0.84	0.18	0.076	0.072	<20	95	48
				40960	31.79	33.30	1.51	96.62	2.69	0.19	0.087	0.092	31	50	53
				40961	33.30	34.61	1.31	97.88	0.67	0.60	0.040	0.039	54	76	33
34.56	38.69	4.13	MODERATELY BLEACHED LIME GRST lt-gy to lt-brownish-gy, homogeneous, generally indescrpt, v.f.g., bleaching distorts original textures but rock is grainy - possible mat textures, bdst(?); weakly fractured, strong white calcite veinlets and microfracturing ~10% Ca moderately fractured blocky horizon: 36.39-36.90; minor limonite on fracture surfaces carbonaceous and pink-orange mottles - large up to 10cm, irregular, stylolitic edges: 37.92-38.69; dolomitic base marked at end of bleached limestone and start of carbonaceous dolomdst; contact stylolitic but sharp @ 53°CA, set at start of orange stained band	40962	34.61	36.33	1.72	98.38	0.62	0.08	0.041	0.030	233	73	29
				40963	36.33	37.90	1.57	98.90	0.62	0.04	0.077	0.032	241	54	31
				40964	37.90	38.66	0.76	95.09	4.12	0.25	0.060	0.099	225	127	29
38.69	43.70	5.01	MODERATELY TO STRONGLY CARBONACEOUS DOLOM DST TO CARB F.G.-M.G. DOLOMITIC LIME PKST F.U.C.'S dk-gy, homogeneous other than slight color variations, relatively indescrpt, moderately stylolitic, abundant v.fine microfractures but overall v.minor white calcite - nearly none	40965	38.66	38.86	0.20	78.42	19.12	1.16	0.168	0.515	324	444	63
				40966	38.86	39.88	1.02	61.76	34.82	2.00	0.311	0.664	279	1108	70
				40967	39.88	40.77	0.89	58.97	38.28	1.20	0.271	0.609	325	1072	87
				40968	40.77	42.61	1.84	50.08	37.23	8.81	0.652	1.975	427	4700	177

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-07

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			strongly dolomitic mud, slightly less dolomitic in strongly carbonaceous mdst												
			base marked at the end of carbonaceous strongly dolomitic mdst and start of mottled dolomitic lmst, distinct color change												
			sharp contact @ 75°C, ~½cm calcite vein, then ~2cm of med-gy fine bx, then final contact @ ~90°C - slightly wavy												
74.75	92.22	17.47	BLEACHED DOLOMITIC LIMESTONE (WKST-PKST-BDST)	40993	74.77	75.52	0.75	96.81	2.49	0.20	0.056	0.120	35	66	37
			lt-gy and lt-brownish-gy throughout, moderately to strongly bleached	40994	75.52	77.96	2.44	97.29	2.00	0.22	0.071	0.093	32	76	41
			Textures cryptic due to bleaching but it appears the host rock(s) are variable throughout the interval - interbedded dolomitic lime mdst, bdst (horizons with mat-looking textures) with	40995	77.96	79.44	1.48	98.31	1.22	0.08	0.054	0.043	19	47	32
			minor ooid/pellet dolomitic lime clast-rich wkst (~15%; obvious rounded clasts in the dolomitic lime mud matrix - just cannot determine whether they are ooids or pellets) to mud	40996	79.44	80.69	1.25	96.44	2.17	0.50	0.126	0.182	33	212	56
			-rich pkst	40997	80.69	82.36	1.67	96.85	0.87	0.36	0.085	0.159	37	365	54
			cycles cryptic, looks interbedded - the tops & bases of the f.g. wkst-pkst are both sharp, no	40998	82.36	82.74	0.38	90.53	6.66	1.14	0.211	0.460	35	447	87
			grading in the pkst horizons either	40999	82.74	84.28	1.54	93.90	3.32	0.44	0.124	0.173	59	326	46
			weak orangey-pink mottles/stringers/staining throughout - hematite and associated surficial	41000	84.28	85.26	0.98	97.28	1.76	0.20	0.055	0.102	25	257	36
			weathering, very strong calcite veining throughout ~20% overall, locally >95%, other than	41001	85.26	86.46	1.20	98.72	0.65	0.15	0.062	0.058	31	154	51
			healed fractures rock is weakly fractured, overall competent	41002	86.46	88.40	1.94	98.65	0.77	0.12	0.077	0.059	26	116	58
			overall v.weakly dolomitic - present as dolomud mottles, stringers and finely disseminated	41003	88.40	89.98	1.58	99.01	0.64	0.02	0.038	0.016	26	53	60
			very strong surficial staining: 74.86-75.01 (~30%), 76.00-76.24 (60%), 77.63-77.73 (50% - lt-pink dolomite), 80.17-80.71 (80%, bright orangey-pink), 82.38-83.71 (>95%, bright orange)	41004	89.98	91.18	1.20	98.79	0.78	0.08	0.048	0.029	28	92	48
			abundant calcite horizons: 74.75-77.42 (~40%, pinkish white, shearing/veining textures at 30°-50°C), 78.92-79.19 (70%), 79.39-80.02 (90%, strong orange and hematitic stylolites, strong hematite on initial break @ 82°C, moderate limonite on all other breaks), 86.45-86.88 (90%, pinkish-orange tinge, moderate hem and orange stylolites), 87.09-87.30 (60%, moderate limonite), 87.91-88.31 (70%), 90.53-91.03 (50%)	41005	91.18	92.25	1.07	98.70	0.66	0.15	0.104	0.058	51	183	38
			abundant dolomitic mottles: 74.75--77.95												
			mat textures appear to start at 80.04												
			ooid/pellet wkst-pkst horizons: 81.27-81.50, 81.72-81.90, 83.11-83.63, 83.99-84.09, 84.15-84.20, 84.23-84.28												
			rubbly/blocky horizon: 91.28-91.44												
			base marked at start of carbonaceous rock; gradational contact												
			first ~4cm of next interval grades from gy-brown to v.dk-br-gy												
92.22	127.10	34.88	MODERATELY CARBONACEOUS DOLOMITIC LIME MDST TO PKST F.U.C.'S WITH	41006	92.25	94.13	1.88	91.46	5.63	1.01	0.189	0.205	54	512	49
			SOOTY CARBON-RICH STRONGLY DOLOMITIC SILICEOUS MDST INTERBEDS (~15%)	41007	94.13	94.78	0.65	72.99	15.78	6.80	0.860	1.809	161	5082	107
			med-gy to blk, gradually increases in carbon content and blk carbon-rich mdst interbed	41008	94.78	95.98	1.20	96.42	2.20	0.68	0.163	0.162	65	378	40
			frequency down hole, f.u.c.'s are not always evident and there is no consistent grading	41009	95.98	97.46	1.48	91.80	6.72	0.27	0.078	0.112	62	281	32
			overall, strong calcite throughout - abundant v.fine and moderate to strong up to ~½cm,	41010	97.46	98.97	1.51	96.97	2.42	0.09	0.039	0.214	121	115	30
			spidery, variable, ~10% overall, locally up to 80% (minor), less abundant in mdst interbeds,	41011	98.97	100.11	1.14	97.30	1.63	0.44	0.080	0.117	62	288	30
			the vast majority of Ca veinlets have been broken and displaced by late fractures	41012	100.11	101.15	1.04	93.06	5.72	0.59	0.074	0.086	69	254	37
			~20% bx'd/sheared, minor vuggy, weak orange-red stringers and surficial stain along fractures	41013	101.15	102.29	1.14	85.86	9.92	2.16	0.331	0.670	82	1833	55
				41014	102.29	103.73	1.44	83.90	10.59	3.26	0.490	0.952	73	1443	70

DIAMOND DRILL LOG

A87

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-08

Dip Tests

Depth | Angle

Claim: PAT 1 **Co-ordinates (UTM, NAD 83)**
Bearing: 0 **Easting:** 545802.0
Inclination: -60 **Northing:** 5989583.0
Province: BC **Elevation:** 691.5 m

Date Started: Sept. 16/07
Date Finished: Sept. 17/07
Date Logged: Sept. 17-18
Logged By: J. Tanton

Core Size: NQ
Casing: 21.64 m
Total Depth: 111.56 m

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	21.64	21.64	CASING: Overburden. 0.90=ground												
21.64	36.53	14.89	V.F.G. LIME GRST lt- to med-gy, homogeneous, grainy appearance but no identifiable bioclasts, moderate to strong calcite veinlets throughout, ~10% overall, locally up to 90% - puzzle bx, overall weakly to moderately fractured other than common calcite-healed fractures, minor limonite and orange clay along nearly all fracture surfaces/breaks, locally strong up to ~½cm, common olive-brown sandy clay along fracture surfaces in top ~2m entirely calcareous, occasionally very minor disseminated dolomite abundant calcite horizons: 24.82-25.74 (~60-80%), 26.65-26.80 (~70% w/ strong lim & orange clay), 29.14-29.72 (~80%; moderate orange clay and minor clear calcite crystals), 30.13-30.45 (80-90%), 35.49-35.53 (90%) minor rubbly horizons: 22.02-22.22, 23.89-23.92, 28.12-28.20, 30.59-30.78 base marked at the start of carbonaceous stone; sharp contact @ ~90°CA ~4cm prior to the contact is a carbon-rich irregular discontinuous blk stylolite	41032	21.64	23.16	1.52	97.93	0.75	0.37	0.124	0.169	46	410	34
				41033	23.16	24.80	1.64	97.42	0.89	0.64	0.080	0.295	60	709	31
				41034	24.80	25.74	0.94	97.86	0.73	0.33	0.056	0.149	54	315	26
				41035	25.74	26.62	0.88	98.83	0.57	0.16	0.055	0.071	34	139	20
				41036	26.62	28.02	1.40	97.67	0.71	0.36	0.093	0.165	57	356	24
				41037	28.02	29.45	1.43	98.51	0.55	0.35	0.075	0.130	77	259	18
				41038	29.45	30.51	1.06	98.02	0.66	0.23	0.080	0.103	31	201	27
				41039	30.51	32.53	2.02	98.46	0.64	0.20	0.083	0.102	31	163	25
				41040	32.53	33.36	0.83	97.77	0.67	0.49	0.126	0.219	46	503	36
				41041	33.36	34.71	1.35	98.38	0.66	0.20	0.081	0.129	42	160	25
				41042	34.71	35.56	0.85	98.47	0.63	0.22	0.079	0.097	39	180	24
				41043	35.56	36.48	0.92	98.19	0.62	0.13	0.079	0.057	41	116	22
36.53	40.06	3.53	INTERLAYERED WEAKLY AND STRONGLY CARBONACEOUS V.F.G. DOLOMITIC LIME GRST = TRANSITION ZONE first 14cm: bx'd white calcite vein (angular, poorly sorted) in carbon-rich mud matrix lt-gy and v.dk-gy - interlayered weakly carb: homogeneous, minor irregular carb-rich stylolites, weak to moderate calcite veinlets strongly carb: moderately to strongly stylolitic, strong white calcite veinlets - puzzle bx 36.53-36.59, 36.94-37.27, 38.37-38.77 (patchy), 39.15-39.24, 39.48-39.53, 39.57-39.61 overall moderately dolomitic - disseminated and mud matrix 39.02-40.06: puzzle bx, strong calcite veining, moderate orange staining, strong orange clay-filled fractures - irregular and variable; structural base marked at start of consistently strongly carbonaceous rock; sharp but stylolitic contact at 57°CA	41044	36.48	37.21	0.73	93.50	4.80	0.87	0.085	0.252	46	593	24
				41045	38.39	39.01	0.62	96.93	2.05	0.27	0.062	0.127	44	292	19
				41046	39.01	40.02	1.01	95.62	1.44	1.41	0.228	0.625	48	1389	60
40.06	111.56	71.50	THINLY INTERBEDDED STRONGLY CARBONACEOUS F.G. DOLOMITIC LIME MDST AND MODERATELY CARBONACEOUS F.G. DOLOMITIC LIME GRST WITH LESSER DOLOMITIC LIME SHELL WKST-PKST dk-gy to blk, homogeneous in overall gross aspect - presence of interbedded mdst & pkst-grst impressively consistent throughout well-bedded - mm-scale up to ~20cm, minor up to 50cm, strong fine carbon-rich blk stylolites - more common in grsts than mdsts, weakly to moderately fractured, common parts/breaks along bedding, variable calcite content - majority weak but locally strong as	41047	40.02	41.42	1.40	79.48	8.44	9.49	0.382	1.117	129	3590	92
				41048	41.42	42.22	0.80	89.79	3.64	4.16	0.249	0.626	82	1820	54
				41049	42.22	43.64	1.42	74.96	10.03	11.08	0.406	1.168	141	3612	112
				41050	43.64	44.86	1.22	89.69	3.88	4.67	0.226	0.586	95	1681	57
				41051	44.86	45.94	1.08	88.75	4.11	5.25	0.289	0.680	114	2026	64
				41052	45.94	47.19	1.25	82.70	9.42	6.19	0.251	0.696	121	1980	80
				41053	47.19	48.65	1.46	77.90	10.05	8.55	0.436	1.347	163	3684	108
				41054	48.65	49.55	0.90	89.16	3.93	5.05	0.253	0.716	126	1948	61

DIAMOND DRILL LOG

A88

Company: GRAYMONT WESTERN CANADA INC.
Project: Gismo Fall Drilling 2007

HOLE No. PAT07-08

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			veinlets - more common in grsts than mdst	41055	49.55	50.77	1.22	96.02	2.24	0.91	0.085	0.270	61	660	24
				41056	50.77	53.05	2.28	89.36	4.59	4.56	0.191	0.546	98	1498	56
			mdst: appears siliceous but difficult to test, scrapes off with v.f. carbon	41057	53.05	54.54	1.49	91.24	3.77	3.07	0.189	0.540	78	1472	51
			f.g. grst: difficult to identify bioclasts - f.g. sub-r to rounded ooids/pellets, commonly sparkly - crinoids? Occasionally visible c.g. bioclast - shells, shell frags, crinoid ossicles, belemnite;	41058	54.54	55.80	1.26	77.42	6.12	10.67	0.464	1.325	221	4428	98
			c.g. bioclasts become more common down hole - appears to overall coarsen downwards, supported by onset of shell wkst-pkst	41059	55.80	57.12	1.32	82.25	6.72	8.21	0.320	0.937	168	2759	99
				41060	57.12	58.37	1.25	84.90	3.64	8.04	0.253	0.644	144	1986	90
				41061	58.37	59.55	1.18	79.02	5.60	10.51	0.423	1.161	163	3638	146
				41062	59.55	61.30	1.75	74.60	5.38	13.55	0.457	1.341	205	3933	174
			shell wkst-pkst - white shell frags and lesser shells within v.dk-gy blk carbonaceous mud matrix: ~10-20% from 61.33-EOH	41063	61.30	63.07	1.77	88.98	3.38	5.73	0.265	0.656	123	1858	84
				41064	63.07	64.19	1.12	85.79	4.74	6.20	0.299	0.716	137	2112	117
				41065	64.47	65.66	1.19	84.63	4.46	7.94	0.311	0.829	137	2374	131
			localized bx'ion and shearing textures minor over entire interval - smeared calcite/mdst and graphitic along carbon-rich mdst breaks: 75.40-87.13	41066	65.66	67.24	1.58	68.06	9.60	14.76	0.595	1.803	270	5360	266
				41067	67.24	68.77	1.53	91.86	3.00	3.38	0.188	0.449	97	1295	54
				41068	68.77	70.40	1.63	88.25	3.59	4.89	0.237	0.570	122	1680	72
			large rubbly zones in blk sooty mdst: 70.42-70.77, 84.62--84.92, 91.04-91.16	41069	70.40	72.14	1.74	82.54	5.65	8.12	0.306	0.893	143	2962	89
				41070	72.14	73.50	1.36	91.47	3.64	3.06	0.153	0.406	112	1184	41
			overall moderately to strongly dolomitic - finely disseminated throughout, occasionally strongly dolomitic mottle and f.g. dolomite clasts	41071	73.50	75.09	1.59	92.12	3.96	2.22	0.167	0.434	99	1122	32
				41072	75.09	76.56	1.47	94.17	2.94	1.35	0.089	0.222	94	606	26
				41073	76.56	78.33	1.77	93.43	3.27	1.78	0.118	0.316	67	861	34
			overall the carbon content and abundance of carbon mud increases down hole, nearly the entire core is blk carbon-rich mdst at the end; the calcite veinlets decrease in abundance NOTE: the mdst interbeds are not the typically sooty interbeds seen in Unit 1A	41074	78.33	80.41	2.08	92.00	3.28	2.47	0.151	0.426	114	1121	40
				41075	80.41	81.74	1.33	91.89	3.35	2.50	0.162	0.859	77	1244	50
				41076	81.74	83.68	1.94	92.58	3.41	2.25	0.210	0.448	73	1097	35
				41077	83.68	84.54	0.86	92.68	2.70	3.05	0.133	0.467	70	1022	41
				41078	84.54	86.12	1.58	74.85	5.21	13.89	0.484	1.386	121	4228	179
			EOH=111.56m	41079	86.12	86.47	0.35	81.96	4.26	10.07	0.258	0.789	128	2341	133
				41080	86.47	89.03	2.56	76.56	5.53	12.78	0.444	1.290	178	4044	194
				41081	89.03	90.97	1.94	55.60	7.69	24.36	0.962	2.095	246	6896	654
				41082	90.97	92.47	1.50	81.15	4.13	10.34	0.368	0.926	122	2887	174
				41083	92.47	93.91	1.44	79.68	4.25	11.76	0.645	0.849	128	2525	591
				41084	93.91	95.03	1.12	76.51	4.63	12.91	0.514	0.931	154	2957	347
				41085	95.03	96.62	1.59	76.29	6.38	12.31	0.612	1.289	146	4136	352
				41086	96.62	98.13	1.51	68.70	7.04	17.13	1.145	1.571	224	5024	1136
				41087	98.13	99.24	1.11	68.14	5.90	17.24	0.788	1.599	234	5209	553
				41088	99.24	100.36	1.12	85.06	2.89	8.69	0.317	0.632	116	1852	156
				41089	100.36	101.89	1.53	87.26	3.23	6.40	0.285	0.573	121	1580	157
				41090	101.89	102.13	0.24	82.14	5.10	8.80	0.431	1.043	184	3220	208
				41091	102.13	104.21	2.08	87.52	3.58	5.98	0.284	0.568	96	1668	170
				41092	104.21	106.06	1.85	88.54	3.46	5.60	0.267	0.641	107	2042	92
				41093	106.06	107.60	1.54	84.24	3.58	8.24	0.498	0.732	149	2371	394
				41094	107.60	108.94	1.34	67.00	5.33	17.35	0.873	1.850	229	6525	410
				41095	108.94	110.52	1.58	81.18	3.69	9.75	0.738	0.875	193	2637	673
				41096	110.52	111.56	1.04	80.56	3.94	10.47	0.564	0.887	173	2698	422
				41097	37.21	38.39	1.18	94.16	4.51	0.24	0.046	0.095	57	233	18
				41098	64.19	64.47	0.28	92.92	2.03	3.71	0.146	0.201	90	553	113

DIAMOND DRILL LOG

A89

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-09

Dip Tests

Depth Angle

Claim: *PAT 1* **Co-ordinates (UTM, NAD 83)**
Bearing: *0* **Easting:** *545795.0*
Inclination: *-60* **Northing:** *5989803.0*
Province: *BC* **Elevation:** *699.0 m*

Date Started: *Sept. 18/07*
Date Finished: *Sept. 22/07*
Date Logged: *Sept. 19-23*
Logged By: *J. Tanton & A. Knox*

Core Size: *NQ*
Casing: *3.66 m*
Total Depth: *188.06 m*

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	3.66	3.66	CASING: Overburden. 0.9=ground												
3.66	5.18	1.52	entirely rubble and overburden												
5.18	6.72	1.54	C.G. LIME GRST TO PKST gradational, med-gy at top to murky med-brown at base, carbonaceous at top ~10cm, grain size does not coarsen/fine but the matrix mud competent increases down hole, m.g.-v.c.g., minor v.fine calcite veinlets, rubble in first ~10cm box length - lost core, crumbly texture at breaks - weathered appearance, mud matrix is gritty - likely due to surficial weathering, bioclasts poorly sorted: rugose coral, crinoid ossicles, brachs, many indeterminate base marked by 2½cm of white calcite veining - irregular @ 57° & 72° CA, distinct color change - gradational	41099	5.18	6.70	1.52	97.97	0.60	0.32	0.046	0.056	91	151	31
6.72	17.79	11.07	INTERLAYERED M.G.-C.G. LIME GRST, CLAST-RICH LIME WKST AND V.C.G. LIME PKST lt-gy and lt-brownish-gy, homogeneous in gross overall aspect, minor v.fine Ca veinlets Grst: 6.72-8.63 m.g.-c.g., moderately to poorly sorted, gritty/sandy texture, overall weakly fractured, variable bioclasts: crinoid ossicles & stems, shell frags, rounded/bulbous strom up to ~3mm, solitary rugose coral, abundant unidentifiable bioclast frags blocky well fractured horizon: 8.23-8.53 Clast-rich Wkst: 8.63-16.92 f.g.-c.g. bioclasts within lime mud matrix, moderately to poorly sorted, well fractured, ~60% rubble/blocky fractured pieces, variable bioclasts: solitary coral up to ~¾cm, bulbous stroms, crinoid ossicles and stems, shells & shell frags, rare strom mat(?) frag, abundant indeterminate clasts; calcareous throughout moderate to strong yellow-orange clay on fracture surfaces: 8.75-13.82 v. strong "": 8.75-8.77, 11.15, 11.25-11.29 V.c.g. Pkst: 16.92-17.79 bx'd appearance, v.poorly sorted, small horizons of pkst in above wkst, v.variable bioclasts: large strom mat frags, corals, crinoid ossicles & stems, shells, angular intraclasts; entirely calcareous base marked at the start of carbonaceous rock, irregular but relatively sharp contact	41100	6.70	7.95	1.25	98.45	0.50	0.38	0.036	0.013	49	42	22
				41101	7.95	10.08	2.13	98.05	0.56	0.27	0.068	0.111	49	265	27
				41102	10.08	10.85	0.77	98.58	0.47	0.13	0.035	0.038	50	87	21
				41103	10.85	12.15	1.30	98.16	0.50	0.40	0.083	0.148	65	298	30
				41104	12.15	13.27	1.12	98.81	0.47	0.15	0.058	0.050	37	119	25
				41105	13.27	13.84	0.57	97.62	0.51	0.28	0.091	0.113	88	242	26
				41106	13.84	15.31	1.47	98.32	0.54	0.06	0.083	0.020	49	34	25
				41107	15.31	16.90	1.59	98.39	0.49	0.05	0.078	0.017	46	33	26
				41108	16.90	17.78	0.88	99.07	0.51	0.07	0.081	0.030	52	37	28
17.79	22.01	4.22	MODERATELY CARBONACEOUS TO NON-CARBONACEOUS V.C.G. LIME PKST (BDST?) v.dk-gy to lt-brownish-gy, carbon content gradually decreases down hole, after 19.73m: non-carbonaceous, poorly sorted, v.minor calcite veinlets, bioclasts: shells (brachs, gastro, bivalve), shell frags, mat frags (in place?), solitary corals and/or bulbous stroms, crinoid ossicles, intraclasts; entirely calcareous	41109	17.78	18.36	0.58	97.90	0.52	0.40	0.047	0.056	51	132	23
				41110	18.36	19.14	0.78	97.74	0.57	0.51	0.072	0.110	51	247	26
				41111	19.14	20.55	1.41	98.07	0.50	0.18	0.062	0.046	45	97	24
				41112	20.55	22.00	1.45	98.33	0.63	0.23	0.073	0.100	47	204	30

DIAMOND DRILL LOG

A90

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-09

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			minor mdst interbed horizons: 18.39-18.66 (carbonaceous, bedding @ 80° CA), 20.99-21.15, 21.34-21.47 well fractured horizon - rubbly & blocky: 19.80-20.49; common medium-brown mud accompanying matrix base marked at the start of carbonaceous rock, discrete color change, sharp contact @ 60°												
22.01	24.16	2.15	INTERBEDDED MODERATELY CARBONACEOUS F.G. GRST & STRONGLY CARBONACEOUS SLIGHTLY DOLOMITIC LIME MDST	41113	22.00	22.82	0.82	97.38	0.81	0.73	0.097	0.263	48	630	23
			dk-gy and black, thinly interbedded, commonly blk sooty partings, moderate Ca veinlets <10% but noticeably more than surrounding intervals - puzzle bx & shearing textures, top of interval appears structural - ~4cm Ca vein: 22.07, top contact @ ~60°, lower @ 53°, accompanied by yellow-orange clay bedding not dependable - highly variable bedding taken from non-sheared or weakly sheared indicators: 22.25-22.30: 67°-78°, 58° @ 22.75, 88° @ 24.14 base marked at the end of carbon-rich mdst interbeds, contact sharp at ~perp CA, smeared	41114	22.82	24.13	1.31	96.84	0.79	0.87	0.141	0.299	52	759	30
24.16	32.79	8.63	INTERLAYERED CARBONACEOUS AND NON-CARBONACEOUS F.G.-M.G. LIME GRST TO C.G. LIME PKST F.U.C.'S	41115	24.13	25.31	1.18	98.43	0.62	0.15	0.056	0.028	63	72	21
			lt-gy and dk-gy, other than distinct color changes interval quite consistent, v.minor fine Ca veinlets, overall bioclast-rich: variable, crinoid ossicles (majority) and stems, shells and shell frags, majority of fossils indeterminate - too f.g.; majority calcareous, v.minor dolomite	41116	25.31	26.05	0.74	98.48	0.53	0.04	0.042	0.022	39	31	16
			Carbon content: 24.16-25.29: non-carbonaceous, weak disseminated dolomite, irregular lower contact 25.29-25.70: weakly carbonaceous 25.70-26.06: non-carb, med-brown color 26.06-27.45: weakly carb, occasionally mottled dk-gy and brown 27.45-27.75: non-carb, ~40% Ca-filled bx, lower contact wavy @ ~45° CA 27.75--28.60 (lost core): moderately carb, sharp @ 63° 28.60-32.79: non-carb	41117	26.05	27.44	1.39	98.38	0.56	0.06	0.076	0.017	54	42	24
			moderately to strongly yellow-orange clay on fractures: 29.50 to end	41118	27.44	27.74	0.30	98.66	0.54	0.05	0.059	0.021	47	32	23
			~2cm wide milky white calcite vein @ ~15%: ~30.25 strong Ca veinlets (~50%), variable avg ~60° degrees: 32.39-32.45	41119	27.74	28.53	0.79	98.64	0.52	0.04	0.031	0.007	44	48	19
			F.U.C.'s: 28.60-31.93, -32.38, - 32.70	41120	28.53	29.52	0.99	99.13	0.49	0.03	0.057	0.008	57	41	22
			base marked at first carbon-rich blk mdst interbed, last ~7cm: mdst, sharp contact @ 53° CA	41121	29.52	30.66	1.14	97.78	0.75	0.63	0.126	0.268	66	492	23
32.79	42.06	9.27	MODERATELY TO STRONGLY CARBONACEOUS LIME MDST TO C.G. LIME PKST F.U.C.'S WITH DISCRETE CARBON-RICH LIME MDST INTERBEDS	41122	30.66	31.95	1.29	98.25	0.65	0.36	0.091	0.131	104	290	24
			dk-gy to black, majority thinly bedded - moderately carbonaceous lime mdst and blk carbon-rich mdst (occasionally sooty, silty?), "looks lower quality than it is", minor fine spidery Ca veinlets, weakly to moderately stylonitic - black and carb, overall interval bioclast-poor other than top ~2½m; bioclasts in pkst: crinoid ossicles (1 visible star-/flower-shaped), shells &	41123	31.95	32.79	0.84	98.14	0.71	0.23	0.084	0.092	50	249	26
				41124	32.79	33.07	0.28	95.37	0.74	1.31	0.251	0.655	64	1643	27
				41125	33.07	34.36	1.29	99.06	0.56	0.05	0.070	0.017	45	49	19
				41126	34.36	35.50	1.14	98.58	0.53	0.13	0.066	0.012	46	46	19
				41127	35.50	36.51	1.01	98.54	0.77	0.20	0.086	0.075	42	146	22
				41128	36.51	38.17	1.66	97.84	0.85	0.46	0.106	0.188	56	489	22
				41129	38.17	39.19	1.02	97.98	0.88	0.40	0.090	0.129	59	355	19

DIAMOND DRILL LOG

A91

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-09

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			shell frags, solitary coral, majority indeterminate	41130	39.19	39.76	0.57	98.77	0.77	0.12	0.051	0.025	49	72	16
			F.U.C.'s (ignoring blk mdst interbeds): 32.97-33.29, -34.45, -35.49, -39.77, -41.00, -41.78, -42.06	41131	39.76	40.43	0.67	97.34	0.91	0.78	0.081	0.241	54	593	17
				41132	40.43	42.06	1.63	98.43	0.87	0.27	0.050	0.086	43	142	15
			bedding: 70° @ 35.60, 70° @ 37.16, 77° @ 38.50, 74° @ 39.30, 75° @ 40.30												
			base marked at the end of carbon-rich rock, distinct color change, contact sharp but stylolitic and highly irregular												
42.06	61.19	19.13	LIME MDST TO M.G. LIME GRST F.U.C.'S	41133	42.06	43.31	1.25	98.13	0.95	0.34	0.057	0.087	32	112	22
			lt- to med-gy, interval overall coarsens down hole, clast-rich wkst at top of cycle to c.g. grst at base, variable Ca content , overall moderate v.fine veinlets - spidery, puzzle bx, <5 % Ca overall, locally up to ~15%, overall weakly to moderately fractured, <10% rubble, approximately 40% of fracture surfaces had weak hem-lim-orange clay - occasional stylolite or stringer, bioclasts generally difficult to identify, visible bioclasts: dominantly crinoid ossicles (one noted star-shaped centre), shells and shell frags; entirely calcareous, rare v.weak dissem dolomite or dolo stringer	41134	43.31	43.81	0.50	95.62	1.97	1.16	0.201	0.493	<20	438	54
				41135	43.81	44.68	0.87	98.49	0.60	0.23	0.065	0.092	<20	127	20
				41136	44.68	45.96	1.28	98.62	0.71	0.17	0.042	0.039	54	74	16
				41137	45.96	47.58	1.62	99.06	0.58	0.07	0.051	0.014	44	41	18
				41138	47.58	48.57	0.99	99.05	0.49	0.03	0.059	0.003	49	<30	19
				41139	48.57	49.12	0.55	98.67	0.45	0.03	0.045	0.005	42	<30	18
				41140	49.12	50.43	1.31	99.06	0.48	0.10	0.039	0.011	40	<30	17
				41141	50.43	51.16	0.73	99.03	0.53	0.04	0.048	0.007	37	<30	16
			F.U.C.'s: 42.06-43.27, 43.81-44.57, -46.00, -47.69, -49.15, -50.44, -53.25, -57.50, -60.24, 60.75-61.19	41142	51.16	52.99	1.83	98.98	0.51	0.07	0.053	0.023	40	58	18
				41143	52.99	54.84	1.85	98.79	0.56	0.19	0.059	0.055	59	115	19
				41144	54.84	56.08	1.24	98.92	0.54	0.10	0.074	0.020	44	57	21
			murky dk-gy and orangey-brown mdst horizon, strongly micro-fractured with strong orange clay, has a typical dolomdst appearance but no gritty texture after acid etch: 43.27-43.81	41145	56.08	57.49	1.41	99.14	0.52	0.06	0.041	0.009	270	34	16
				41146	57.49	58.06	0.57	96.95	0.74	0.91	0.108	0.259	54	657	21
				41147	58.06	59.46	1.40	98.01	0.62	0.30	0.074	0.122	50	330	18
			vuggy horizons: 51.17-53.03 (majority weathered out but minor with small clear Ca crystals), 53.62-53.68 (accompanied by lim-orange clay)	41148	59.46	60.19	0.73	97.85	0.65	0.12	0.102	0.050	57	143	21
				41149	60.19	60.77	0.58	98.64	0.63	0.22	0.081	0.066	47	180	19
				41150	60.77	61.17	0.40	98.94	0.65	0.06	0.040	0.009	50	42	17
			visible fine interbeds/laminations; bedding ranges from 45-60: 57.50-60.24												
			intraclast bx - med-gy and brownish-gy mdst and grst clasts (sub-rounded to angular, <1cm to ~8cm w.) in a pkst-grst matrix: 60.24-60.75 rubble: 60.60-60.75												
			base is marked at the first appearance of colonial corals and associated boundstone textures, sharp transition but no visible bedding/contact												
61.19	76.14	14.95	CORAL STROMATOPOROID LIME BOUNDSTONE	41151	61.17	62.92	1.75	98.89	0.71	0.09	0.048	0.029	50	60	18
			lt- to med-gy and brownish-y, v.poorly sorted, f.g. to v.c.g., weakly to moderately fractured, overall minor Ca as fine veinlets and white bioclasts blebs (generally corals) <5%, locally up to ~20%; abundant c.g. bioclasts: colonial corals, strom mats and fingers, shells and shell frags, crinoid ossicles, solitary rugose corals; entirely calcareous	41152	62.92	64.26	1.34	98.88	0.68	0.05	0.028	0.016	57	48	15
				41153	64.26	65.08	0.82	99.27	0.37	0.08	0.052	0.022	36	59	19
				41154	65.08	65.91	0.83	98.99	0.58	0.04	0.040	0.008	50	39	18
				41155	65.91	67.48	1.57	97.99	0.70	0.04	0.034	0.009	51	39	18
				41156	67.48	69.05	1.57	98.90	0.71	0.06	0.057	0.015	42	45	24
			well fractured horizon with yellow-orange clay on fracture surfaces: ~61.80-62.85	41157	69.05	70.68	1.63	98.90	0.72	0.07	0.040	0.008	49	47	18
			well weathered, gritty texture, abundant colonial corals: 64.35-64.95	41158	70.68	72.35	1.67	98.63	0.69	0.05	0.024	0.007	59	<30	16
				41159	72.35	73.47	1.12	98.97	0.60	0.05	0.068	0.012	43	41	21
			base marked at the introduction of carbonaceous mud, contact is sudden/abrupt but gradational (spotty) over ~5cm on each side of decided contact	41160	73.47	74.77	1.30	98.34	0.88	0.06	0.035	0.008	77	<30	17
				41161	74.77	76.12	1.35	98.70	0.80	0.11	0.046	0.011	93	50	18
76.14	78.35	2.21	MODERATELY CARBONACEOUS LIME WKST TO V.C.G. INTRACLAST LIME PKST F.U.C.	41162	76.12	78.36	2.24	95.80	2.02	0.53	0.115	0.188	58	416	25

DIAMOND DRILL LOG

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			med- to dk-gy. At top interval consists of m.g. dk-gy lime wkst with 25% indeterminate bioclasts. Below 77.55m grades rapidly downwards to c.g. crinoid bdst(?) then into v.v.c.g. intraclast pkst at base. Intraclasts up to 4cm, subangular med-gy lime mdst in matrix of highly carbonaceous lime pkst. Unit defined by highly carbonaceous nature. Interval is moderately calcite-veined at top, almost none in lower half.												
			Sooty highly carbonaceous fracture infills: 77.40-77.55 Boundstone bedding: 43° @ 77.99												
			Upper contact gradational, lower sharp and stylolitic.												
78.35	89.10	10.75	MUD-RICH BIRD'S EYE MASSIVE LIME MDST TO WKST (BAFFLE AND BDST?) Typical rock is a lt-gy, vaguely nodular lime wkst with v.fine shell frags and other bioclasts. Occasional algal mats (bdst) and growth position corals (bafflestone) - suggests a reefal environment; massive rock with primary voids & occasionally bfst & bdst textures. Interval contains abundant (15-20%) irregular cm-scale voids now filled with crystalline Ca - these give the bird's eye texture. Some of these voids were 1/5 filled with dark lime mud prior to calcite infill - these indicate rock is right side up). Very little calcite veining. Core moderately fractured, slightly rubbly throughout.	41163	78.36	80.01	1.65	98.65	0.72	0.26	0.045	0.057	90	171	29
				41164	80.01	81.38	1.37	98.51	0.75	0.23	0.040	0.069	45	197	25
				41165	81.38	83.01	1.63	98.62	0.71	0.30	0.036	0.046	82	157	33
				41166	83.01	84.74	1.73	98.14	0.70	0.23	0.029	0.062	72	194	34
				41167	84.74	86.13	1.39	98.43	0.70	0.18	0.047	0.070	46	189	41
				41168	86.13	87.48	1.35	98.47	0.73	0.26	0.047	0.073	40	205	39
				41169	87.48	89.06	1.58	97.93	0.70	0.24	0.062	0.050	54	158	37
			carbonaceous synsedimentary bx: 80.00-80.60, 81.10-81.25 large angular lt-gy lime mdst clasts in med- to dk-gy lime mud matrix, both contacts sharp												
			lower contact sharp, brecciated (synsedimentary), color change from lt-gy to black												
89.10	90.95	1.85	HIGHLY CARBONACEOUS STRONGLY DOLOMITIC LIME MDST black to dk-gy, 5-10% disseminated f.g. equant bioclasts in v.v.f.g. highly carbonaceous lime mdst, massive	41170	89.06	90.99	1.93	81.48	14.52	1.94	0.191	0.540	112	1335	50
			synsedimentary bx - angular clasts up to 4cm of lt-gy lime mdst in swirly textured highly carbonaceous lime wkst: 89.10-89.40												
			abundant fine calcite veinlets: 89.90-90.95 sooty weak shear @ 65: 90.50-90.55												
			lower contact gradational and strongly fractured, slightly brecciated ~60°												
90.95	110.95	20.00	V.STRONGLY CALCITE-VEINED MOD CARBONACEOUS DOLOMITIC LIME MDST dk-gy and white, strong intensity of calcite veinlets ~50% - multi-generational, earliest veinlets are highly broken, folded and locally sheared. These are crosscut by later, less subplanar ones. This interval is a zone of deformation as well as veining. Primary textures of carb lime mdst are completely destroyed although it does not appear to have been strongly bioclastic. No preferred orientation anywhere in interval.	41171	90.99	92.17	1.18	95.84	2.40	0.74	0.112	0.224	38	511	58
				41172	92.17	93.42	1.25	94.79	2.34	1.12	0.143	0.212	32	456	49
				41173	93.42	94.41	0.99	90.32	8.88	0.32	0.061	0.051	74	141	37
				41174	94.41	95.89	1.48	94.81	4.06	0.40	0.035	0.045	31	116	26
				41175	95.89	97.26	1.37	89.45	9.22	0.70	0.071	0.184	57	322	45
				41176	97.26	99.60	2.34	98.52	0.70	0.27	0.038	0.021	67	100	24
				41177	99.60	101.32	1.72	98.76	0.79	0.08	0.054	0.036	29	110	29
			bleached zones: 93.40-94.40, 97.25-99.60, 102.65-104.90	41178	101.32	102.66	1.34	94.42	4.17	0.16	0.085	0.066	33	133	69
			In these areas the calcite veins tend to be thicker and the lime mdst is significantly less carbonaceous.	41179	102.66	104.02	1.36	98.82	0.64	0.12	0.055	0.047	35	150	30
				41180	104.02	104.88	0.86	98.94	0.63	0.05	0.042	0.018	25	62	25
				41181	104.88	106.20	1.32	80.96	17.40	0.67	0.126	0.153	110	219	46
			Note: 90.95-105.05 contains weak to moderate dolomite. Below 105.05 dolo appears as weak to v.strong disseminated f.g. crystals. Dolomitic rock slightly less carbonaceous (med-gy).	41182	106.20	107.60	1.40	93.13	6.14	0.13	0.057	0.036	43	79	28
				41183	107.60	108.81	1.21	75.49	23.96	0.11	0.058	0.047	52	42	85

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			Although this interval is very heterogeneous in detail, it is very homogeneous overall (other than bleached zones). v.strongly dolomitic: 107.25-108.60 Rock is a v.c.g. angular bx of bleached and unbleached strongly dolomitic frags and lesser undolomitic veined carb frags. Dolomitic sections strongly bx'd but almost no Ca veinlets; strongly deformed. lower contact abrupt but gradational, set at the beginning of strong bleaching	41184	108.81	110.97	2.16	85.31	13.51	0.12	0.072	0.049	43	59	69
110.95	117.10	6.15	BLEACHED STRONGLY DEFORMED DOLOMDST lt-gy, massive, mush-textured, strongly finely fractured - compressive, almost no late calcite veins, contains abundant early strongly broken and deformed calcite material and are more strongly bleached, no primary textures survived, no preferred orientation to deformation, v.strongly dolomitic throughout interval margins: 110.95-111.85, 115.70-117.10 both contacts sharp, strongly deformed	41185	110.97	111.86	0.89	77.47	22.09	0.06	0.054	0.024	45	48	37
				41186	111.86	113.42	1.56	64.63	34.43	0.07	0.053	0.033	61	56	29
				41187	113.42	114.91	1.49	65.70	33.03	0.07	0.068	0.041	52	73	33
				41188	114.91	115.88	0.97	63.13	36.15	0.16	0.088	0.074	74	161	38
				41189	115.88	117.06	1.18	71.10	28.31	0.14	0.050	0.046	66	84	49
117.10	122.10	5.00	MODERATELY DEFORMED INTERBEDDED(?) C.G.(?) MODERATELY CARBONACEOUS DOLOMITIC LIME WKST AND DOLOMDST lt-gy and black The lmst zones are lt-gy, massive, moderately sheared and bx'd with almost no calcite veinlets. The lime wkst is less deformed but contains abundant highly broken up calcite vein material. Deformation intensity decreases somewhat downwards. Can't see any cyclicity but this could be due to strong deformation. Bioclast content and type obscured by strong veining (broken). strongly deformed dolomdst zones: 118.15-118.65, 118.95-120.30, 120.55-121.75 highly sheared: 118.65-118.90 (~70°, irregular) highly bleached: 117.25 (5cm, @ 67°), 117.40-117.50 (30°); sharp contacts with lime wkst base of interval set at end of dolomdst zones - gradational	41190	117.06	117.48	0.42	71.50	27.81	0.17	0.141	0.090	62	31	69
				41191	117.48	118.89	1.41	90.94	7.48	0.61	0.107	0.166	43	202	52
				41192	118.89	120.41	1.52	60.94	38.08	0.26	0.165	0.099	57	57	137
				41193	120.41	121.40	0.99	75.79	23.25	0.15	0.138	0.103	51	33	124
				41194	121.40	122.09	0.69	75.88	22.97	0.11	0.096	0.045	33	<30	119
122.10	127.85	5.75	C.G. BIOCLAST-RICH MODERATELY CARBONACEOUS SLIGHTLY DOLO LIME WKST black and white, v.f.g. to c.g. Wkst is shell frags-coral frags-crinoid and ½-1 cm irreg white blebs (broken stroms?) in black v.f.g. carbonaceous lime mud - common broken calcite vein frags. Arranged in f.u.c.'s, difficult to define due to vein frags - overall ~30% broken calcite vein frags. F.U.C.'s: 122.10-124.45, -126.05, -127.85 cycle tops are f.g., bioclast-poor and dolomitic v.f.g. carbonaceous argillaceous(?) dolomdst interbeds: 126.00-126.45 (~50° CA) These are much broken and deformed, especially at top. Interval weakly deformed - mostly compressive fractures.	41195	122.09	122.78	0.69	93.75	4.95	0.14	0.070	0.048	41	<30	77
				41196	122.78	124.45	1.67	95.49	3.21	0.17	0.077	0.061	33	<30	49
				41197	124.45	125.84	1.39	98.11	0.86	0.22	0.071	0.013	37	<30	36
				41198	125.84	126.62	0.78	97.37	1.59	0.05	0.052	0.017	29	<30	33
				41199	126.62	127.89	1.27	98.08	0.92	0.06	0.054	0.016	24	40	28

DIAMOND DRILL LOG

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HOLE No. PAT07-09

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			Dolomitic: 122.10-122.80, 126.05-126.50												
			lower contact set at increase in bioclasts and appearance of stroms(?) - gradational												
127.85	135.60	7.75	WEAKLY CARBONACEOUS BIOCLAST-RICH C.G. LIME WKST TO PKST TO STROM BDST	41200	127.89	128.88	0.99	98.25	0.85	0.09	0.041	0.029	24	59	23
			med- to dk-gy	41201	128.88	130.69	1.81	98.65	0.82	0.06	0.067	0.027	47	54	34
				41202	130.69	132.75	2.06	98.46	0.81	0.31	0.071	0.047	59	70	33
			At top of interval rock is pkst (some wkst?) containing abundant large frags of stroms and lesser finer crinoids, shells and coral frags in carbonaceous mud matrix. Textures difficult to see due to multiple generations of displacing fractures and fine calcite veining. Downwards stroms increase and can often be seen as cm-scale mats (bdst). Fracturing and broken veining decreases somewhat downwards. "Average" rock is a strom-crinoid packstone. No dolomite except at very base of interval.	41203	132.75	133.95	1.20	98.00	1.26	0.11	0.077	0.044	58	107	34
				41204	133.95	134.61	0.66	97.25	2.07	0.17	0.055	0.047	59	118	31
				41205	134.61	135.63	1.02	96.58	2.38	0.17	0.060	0.056	62	121	31
			Dolomitic horizon: 134.65-135.60; bedding-parallel dolo-rich bands in strom(?) - crinoid wkst- bdst(?)												
			lower contact sharp (bedding?) @ 58° CA												
135.60	146.05	10.45	MODERATELY CARBONACEOUS CORAL-STROM DOLOWKST TO F.G. LIME PKST dk-gy	41206	135.63	136.25	0.62	99.07	0.54	0.10	0.041	0.010	54	37	25
			The lime pkst is f.g. and well sorted with bioclasts (eroded crinoids?) and others - fine intraclasts, forams?) in a carbonaceous lime mud matrix. The dolowkst has much coarser bioclasts - mostly broken coral frags and occasional strom frags with broken, disrupted dolo bands 2-5cm thick. Interval contains much broken calcite vein material, as well as lesser late, unbroken veinlets. The massive f.g. lime pkst is less veined. The cycles are c.g. lime wkst at base to f.g. lime pkst at top. Occasionally large stroms (4cm) in wkst cycle bases. Minor disruption of interval throughout by movement along early fracturing, which has cut and displaced earlier episodes of calcite veining. Much more calcite than early veining in c.g. dolowkst intervals.	41207	136.25	137.71	1.46	98.90	0.59	0.11	0.046	0.009	51	48	47
				41208	137.71	138.88	1.17	98.65	0.69	0.13	0.082	0.016	82	79	36
				41209	138.88	139.72	0.84	92.94	5.25	0.08	0.089	0.036	107	72	33
				41210	139.72	140.46	0.74	86.99	11.35	0.23	0.098	0.075	108	130	42
				41211	140.46	142.20	1.74	96.81	2.63	0.03	0.082	0.023	118	25	54
				41212	142.20	143.00	0.80	98.64	1.03	0.02	0.071	0.010	181	24	30
				41213	143.00	144.56	1.56	98.06	1.41	0.06	0.088	0.015	716	40	45
				41214	144.56	145.06	0.50	98.00	1.21	0.07	0.052	0.015	87	44	25
				41215	145.06	146.06	1.00	97.36	1.48	0.13	0.050	0.024	59	54	27
			f.g. massive carbonaceous lime pkst: 135.60-137.75, 140.40-143.00, 143.60-145.00												
			lower contact sharp @ 39° CA, disrupted by fracturing, rock type change												
146.05	148.30	2.25	V.F.G. HIGHLY CARBONACEOUS FRACTURED ARGILLACEOUS(?) DOLOMDST coal black, soft, sooty, v.f.g., massive, cut and disrupted by numerous fine fractures, contains 10% broken hairline calcite veinlet fragments, top of this unit is breccia mixed with overlying unit?	41216	146.06	146.94	0.88	60.66	37.61	0.45	0.104	0.198	139	272	72
				41217	146.94	148.30	1.36	57.21	39.25	1.28	0.201	0.523	198	634	78
			less carbonaceous, bx'd thinly laminated dolomdst: 146.50-146.85												
			lower contact sharp @ 53° CA, soft graphitic shear												
148.30	151.60	3.30	M.G. CLAST-RICH CARBONACEOUS LIME WKST TO DOLOMDST F.U.C.'S med- to v.dk-gy	41218	148.30	150.25	1.95	95.86	3.41	0.29	0.045	0.045	95	76	53
			Cycle bases are m.g. bioclast-rich carbonaceous lime wkst. Bioclasts mostly indeterminate. Cycle tops are moderately dolomitic, especially the last one. Calcite veinlets abundant in cycle bases (25-30%, all broken) and less in cycle tops.	41219	150.25	151.59	1.34	73.33	25.17	0.62	0.196	0.292	114	468	60

DIAMOND DRILL LOG

A95

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-09

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			F.U.C.'s: 148.30-149.00, -150.25, -151.60 (f.g. top only)												
			below 150.80: rock is highly fractured (early) and displaced dolomdst												
			lower contact set at perceived increase in carbon content												
151.60	153.36	1.76	STRONGLY CARBONACEOUS FRACTURED DOLOMDST sooty black This interval is composed of massive, v.f.g., highly fractured, strongly carbonaceous (arg?) dolomdst. Rare thin calcite veinlet. Primary textures almost completely destroyed by displacement along fractures - hints of original thin lamination.	41220	151.59	153.25	1.66	56.67	39.80	1.08	0.208	0.387	180	844	93
			interbeds of non-carb lmst (as below): 152.65-153.10												
			top of interval is intermixed breccia, base of interval marked by sharp weakly sooty shear @ 63° CA												
153.36	161.50	8.14	MASSIVE MODERATELY FRACTURED DOLOMDST lt-gy Upper half (to 157.75m) is weakly to moderately fractured and bx'd with hints of original bedding preserved. Lower half is massive dolomdst - no bioclasts, 100% dolomite except for rare thin calcite veinlets 5-10%. Coarse open vugs present in lower half 1-8cm diameter.	41221	153.25	154.53	1.28	51.50	39.20	5.38	0.455	1.521	245	3952	111
			Graphite interbed @ 47°: 154.30-154.40	41222	154.53	155.40	0.87	47.45	34.61	12.95	0.512	1.593	249	4012	290
			bedding(?): 42° CA	41223	160.33	161.63	1.30	63.76	35.44	0.15	0.080	0.060	107	76	47
			lower contact sharp in a thin bx zone												
161.50	171.60	10.10	BX'D AND CALCITE-VEINED BIRD'S EYE LIME MDST TO F.G. LIME GRST F.U.C.'S med-brown to lt-gy, non-carb, not bleached, overall ~25% Ca veinlets - mostly broken Cycle tops composed of bioclast-free med-brown lime mdst (rarely dolomdst), with scattered ~1cm primary, calcite-infilled elliptical voids (bird's eye texture). This lithology is extensively calcite veined, most often present as calcite vein bx. This grades rapidly downward to a f.g. pkst to grst (ooid-peloid-crinoid, well sorted). The pkst-grst is much less veined and bx'd.	41224	161.63	162.99	1.36	98.23	0.89	0.40	0.081	0.038	50	107	33
			F.U.C.'s: 161.50-163.60, -166.05, -170.50, -171.60 (f.g. top only)	41225	162.99	164.60	1.61	98.66	0.63	0.10	0.213	0.031	136	79	64
			vuggy late fracturing: 161.80-161.95, 162.40-164.45, 166.55-167.15, 169.50-170.00	41226	164.60	166.12	1.52	98.59	0.92	0.11	0.050	0.040	53	99	32
			lower contact knife sharp @ 56° (~bedding?)	41227	166.12	167.68	1.56	98.70	0.57	0.17	0.045	0.032	258	86	25
				41228	167.68	169.09	1.41	98.88	0.49	0.18	0.051	0.012	1146	45	26
				41229	169.09	170.51	1.42	98.42	0.58	0.11	0.046	0.034	79	62	28
				41230	170.51	171.56	1.05	90.08	8.39	0.35	0.075	0.141	49	120	64
171.60	181.45	9.85	MODERATELY FRACTURED WELL-BEDDED V.F.G. CARBONACEOUS STRONGLY DOLOMITIC LIME MDST dk-brownish-gy, locally well-bedded (mm-cm-scale where visible), almost no internal shearing This is a homogeneous sequence of moderately to strongly carbonaceous v.f.g. dolomdst. The unit is moderately fractured and cut by a myriad of white, thin, mostly broken calcite veinlets - no preferred orientation at all (~30%). Other than the bedding and fractures/veining the interval is very homogeneous.	41231	171.56	172.88	1.32	86.63	11.63	0.77	0.126	0.235	80	369	33
				41232	172.88	174.55	1.67	91.73	6.53	0.85	0.108	0.173	115	357	28
				41233	180.15	181.45	1.30	97.67	1.32	0.33	0.120	0.086	88	158	37

DIAMOND DRILL LOG

A97

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-10

Dip Tests

Depth | Angle

Claim: PAT 1 **Co-ordinates (UTM, NAD 83)**
Bearing: 0 **Easting:** 546422.3
Inclination: -60 **Northing:** 5989916.5
Province: BC **Elevation:** 744.0 m

Date Started: Sept. 22/07
Date Finished: Sept. 23/07
Date Logged: Sept. 23-24
Logged By: A. Knox

Core Size: NQ
Casing: 3.7 m
Total Depth: 57.00 m

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	3.70	3.70	CASING: Overburden. 0.00= 0.9 m above ground OB is ~2.45m thick from ground level at -60°. Some pebbles-boulders recovered.												
3.70	22.55	18.85	SURFICIALLY FRACTURED & STAINED STROMATOPOROID LIME PKST AND BDST med- to dk-brown This interval is composed of f.g. lime wkst to pkst, bioclasts mostly crinoids - eroded. In this are set large lt-brown stroms as irregular masses and lesser irregular 1-5cm mats - ~20% of interval is stroms visible in every etched piece. Most of interval bound- or baffle-stone as the stroms do not look fragmentary. The rock is cut by numerous calcite veinlets - hairline to 3+cm, 20-25%. These form a network often culminating in calcite vein breccia. Fracturing and veining looks brittle and extensional. The rock is then cut by larger irregular, often ~core-parallel, wavy late fractures with washes of yellow-brown clay on them - surficial. These locally reduce the core to c.g. rubble. No dolomite - all ore except for surficial clay washes along fractures Strongest late fracturing: 3.7-15.85 Thick zone of surficial dirty brown mud, contains angular lmst clasts: 13.40-13.70 lower contact sharp - primary, slightly erosional	41240	3.66	5.12	1.46	98.01	0.66	0.42	0.089	0.157	43	351	69
				41241	5.12	6.00	0.88	98.36	0.61	0.10	0.036	0.047	41	130	62
				41242	6.00	7.20	1.20	98.35	0.62	0.14	0.035	0.043	45	86	52
				41243	7.20	8.23	1.03	98.70	0.62	0.14	0.075	0.054	41	92	53
				41244	8.23	9.82	1.59	98.88	0.62	0.13	0.048	0.043	73	97	44
				41245	9.82	10.68	0.86	98.83	0.53	0.13	0.057	0.040	108	107	41
				41246	10.68	11.32	0.64	98.59	0.53	0.20	0.060	0.086	128	169	39
				41247	11.32	13.11	1.79	98.49	0.61	0.28	0.064	0.122	50	265	42
				41248	13.11	13.85	0.74	96.26	0.77	1.25	0.266	0.642	76	1086	83
				41249	13.85	15.33	1.48	98.32	0.66	0.44	0.083	0.094	92	208	51
				41250	15.33	16.25	0.92	98.33	0.68	0.34	0.094	0.151	76	282	47
				41251	16.25	17.92	1.67	97.55	0.74	0.73	0.123	0.194	108	534	51
				41252	17.92	19.40	1.48	97.72	0.74	0.61	0.161	0.258	55	737	46
				41253	19.40	20.48	1.08	95.70	0.76	1.59	0.384	0.877	143	2184	51
				41254	20.48	22.45	1.97	98.29	0.64	0.38	0.093	0.159	64	333	47
22.55	29.05	6.50	FRACTURED AND CALCITE-VEINED F.G.-M.G. LIME PKST med-brown, no stroms at all, appears homogeneous, f.g.-m.g. non-carbonaceous lime pkst, much brittle fracturing and calcite veinlets - network, bioclasts - crinoids, shell frags, v.small intraclasts, commonly difficult to identify bioclasts due to strong brittle fracturing, probably locally grst zones of yellow-brown clay lined ~core parallel surficial fractures: 23.40-23.85, 25.00-26.50, other lesser zones no surficial fractures below 26.50 slightly sheared: 24.10-24.65; lmst altered to cream and red (agate-like), good fabric @ 52°C, much earlier than surficial weathering, cut by calcite veins v.f.g. carbonaceous well laminated sooty lmst interbeds (1A): 26.55 (2cm), 26.65 (4cm, 70°C), 26.95 (1cm, 64°C+CA), 27.15 (1cm), 27.35-28.15 (well bedded @ 61°C) lower contact sharp, marked by v.f.g. interbed	41255	22.45	23.39	0.94	98.26	0.60	0.40	0.062	0.103	93	239	39
				41256	23.39	24.62	1.23	96.23	1.85	0.81	0.217	0.398	49	926	54
				41257	24.62	26.51	1.89	96.50	0.88	0.95	0.260	0.471	74	925	87
				41258	26.51	27.28	0.77	92.26	4.79	1.25	0.336	0.590	128	1565	81
				41259	27.28	28.17	0.89	59.76	20.69	9.42	1.391	4.013	248	10189	155
				41260	28.17	29.07	0.90	95.38	3.62	0.32	0.086	0.133	97	312	50
29.05	35.50	6.45	M.G. BIOCLAST-RICH DOLOMITIC LIME PKST TO C.G. CARBONACEOUS DOLOMITIC LIME WKST CYCLES WITH V.F.G. CARBONACEOUS INTERBEDS dk-gy to med-brown. Cycle bases are massive, non-carb, med-brown bioclast-rich pkst (locally grst) - grades upwards to dolomitic lime pkst to c.g. carbonaceous shell crinoid dolomitic lime wkst to f.g. dolomitic lime wkst; carbonaceous and non-carb rocks in same cycle. Interval is cut by network-type calcite veinlets, some calcite vein bx, carbonaceous interbeds often sheared and bx'd, almost no surficial fractures/clay	41261	29.07	30.22	1.15	85.68	11.16	1.40	0.258	0.599	100	1288	65
				41262	30.22	30.89	0.67	84.67	14.01	0.43	0.104	0.165	78	359	52
				41263	30.89	32.57	1.68	92.97	5.42	0.76	0.142	0.268	56	181	63
				41264	32.57	33.84	1.27	81.65	5.29	8.52	0.543	1.183	103	3167	221
				41265	33.84	34.92	1.08	81.50	8.04	6.29	0.599	1.450	122	4153	121

DIAMOND DRILL LOGCompany: **GRAYMONT WESTERN CANADA INC.**Project: **Giscome Fall Drilling 2007**Hole No: **PAT07-11****Dip Tests**Claim: **PAT 1** Co-ordinates (UTM, NAD 83)Date Started: **Sept. 24/07**Core Size: **NQ**

Depth | Angle

Bearing: **0** Easting: **546241.1**Date Finished: **Sept. 25/07**Casing: **4.27 m**Inclination: **-60** Northing: **5989932.9**Date Logged: **Sept. 25-27**Total Depth: **121.01 m**Province: **BC** Elevation: **738.7 m**Logged By: **A. Knox & J. Tanton**

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	4.27	4.27	CASING: Overburden. 0.90=ground												
4.27	16.15	11.88	F.G. CARBONACEOUS LIME MDST WITH PELLET LIME WKST TO F.G. LIME PKST F.U.C.:S massive, consists of scattered v.f.g.-f.g. bioclasts - mostly pellets (bioturbated) in a moderately carbonaceous v.f.g. lime mud matrix; even in the pkst cycle bases the bioclasts are f.g., weak early fractures, calcite veinlets 2-5% minor to 5% v.f.g. disseminated dolomite locally much late (surficial) fracturing above 8.25m - not much surficial stain lower contact set at distinct color & rock type change - sharp but rounded core ends	41283	4.35	5.88	1.53	95.86	2.70	0.76	0.155	0.180	102	525	42
				41284	5.88	8.23	2.35	97.79	0.73	0.49	0.124	0.084	48	238	39
				41285	8.23	9.30	1.07	98.49	0.72	0.32	0.102	0.081	62	226	34
				41286	9.30	10.39	1.09	97.92	0.78	0.67	0.128	0.121	56	360	43
				41287	10.39	11.24	0.85	95.92	0.92	1.55	0.242	0.469	72	1425	51
				41288	11.24	12.68	1.44	96.31	0.80	1.29	0.171	0.347	62	1026	42
				41289	12.68	13.69	1.01	97.00	0.78	1.37	0.159	0.257	71	772	38
				41290	13.69	14.31	0.62	96.98	0.78	0.98	0.127	0.225	61	679	38
				41291	14.31	16.16	1.85	96.87	0.72	1.29	0.229	0.343	56	989	43
16.15	51.32	35.17	STROMATOPOROID LIME BOUNDSTONE, STROM-RICH V.C.G. LIME PKST AND M.G. LIME GRAINSTONES (~10-15%) lt- to med-gy, poorly sorted, abundant stromatoporoids as mats, fingers and bulbous masses (mats generally 1-2cm wide, some longer than width of core), rugose corals up to ~1½cm diameter, minor surficial clay and staining on fracture surfaces, calcite ~5-10% - locally up to 20% as veinlets <1cm and minor porosity infill, no cycles evident, bedding indeterminate calcareous throughout - v.minor v.finely disseminated dolomite acid etch: stroms are lt-gy/lt-brownish-gy in med-gy matrix milky white irregular crystalline calcite - vein/porosity infill: 16.51-16.54 moderate surficial weathering: 22.05-27.60; associated with shallow angle fractures, orange clay and minor hematite strongly dolomitic horizons (sharp but irregular contacts): 17.47-19.05 (bx'd sections with dolomud matrix, angular clasts of dolomitic lime pkst and grst, strong microfracturing, stroms present - fossils generally indeterminate), 18.77-18.88 (carbonaceous dolomud matrix, dolomite appears secondary as it has penetrated the limey clasts - strong dolo rims with weak dolo centers, dolomite is a murky brownish color in core, lt-gy etched), 40.91-41.18 (~28cm of strongly carbonaceous mdst at the start, dolomud and lime mud bound by stroms, mud-rich, c.g. bioclasts - shell frags up to 2cm l), 46.91-46.99 (mottled dolomud - cycle base?) entirely strom (finger) bdst: 31.77-32.45 shearing textures - compressional, ductile, bioclasts are stretched and elongated with associated calcite, 40°-75°CA: 47.42-48.62 carbonaceous dolomitic lime mud matrix infilling space between stretched bioclasts with non-carb cm-scale dolomud interbeds: 48.20-48.62 abundant white calcite with hematite and orange clay: 48.08-48.20 strong hematite clay and dk-br-gy wkst: 48.62-48.71	41292	16.16	17.47	1.31	98.11	0.85	0.55	0.092	0.057	124	202	52
				41293	17.47	19.03	1.56	75.12	23.12	0.68	0.140	0.225	115	709	53
				41294	19.03	20.79	1.76	98.63	0.81	0.09	0.095	0.036	39	92	45
				41295	20.79	22.09	1.30	98.74	0.60	0.08	0.036	0.024	42	66	41
				41296	22.09	23.34	1.25	98.49	0.63	0.25	0.064	0.065	79	131	40
				41297	23.34	24.88	1.54	98.30	0.62	0.50	0.060	0.076	81	167	40
				41298	24.88	26.05	1.17	98.83	0.61	0.04	0.068	0.019	50	55	43
				41299	26.05	27.64	1.59	98.64	0.53	0.16	0.059	0.061	61	128	46
				41300	27.64	29.67	2.03	98.57	0.52	0.45	0.054	0.043	84	133	44
				41751	29.67	30.95	1.28	98.27	0.90	0.21	0.097	0.041	73	127	48
				41752	30.95	31.79	0.84	98.73	0.64	0.10	0.096	0.032	53	102	44
				41753	32.45	33.67	1.22	97.35	1.47	0.17	0.076	0.046	53	148	43
				41754	33.67	35.07	1.40	98.35	0.97	0.17	0.071	0.034	58	112	43
				41755	35.07	36.37	1.30	98.53	0.80	0.13	0.088	0.023	47	70	49
				41756	36.37	38.19	1.82	98.90	0.66	0.05	0.051	0.017	41	46	40
				41757	38.19	39.89	1.70	98.44	0.89	0.19	0.044	0.024	80	70	35
				41758	39.89	40.91	1.02	97.83	1.46	0.23	0.055	0.037	57	118	39
				41759	40.91	42.16	1.25	90.05	7.63	1.15	0.125	0.317	78	1017	49
				41760	42.16	44.38	2.22	98.27	0.85	0.42	0.038	0.045	76	111	40
				41761	44.38	45.67	1.29	96.73	2.46	0.20	0.041	0.057	55	174	38
				41762	45.67	47.42	1.75	97.73	1.16	0.15	0.053	0.062	41	185	37
				41763	47.42	48.76	1.34	97.33	1.02	0.93	0.109	0.206	49	604	48
				41764	48.76	50.29	1.53	98.72	0.64	0.11	0.042	0.043	45	112	37
				41765	50.29	51.32	1.03	98.91	0.71	0.05	0.060	0.021	42	65	37

DIAMOND DRILL LOG

A101

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-11

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			base marked at the start of f.g. pkst-grst and end of strom-rich, contact ambiguous												
51.32	60.87	9.55	SURFICIALLY STAINED F.G. LIME GRSTS AND M.G.-C.G. PKSTS	41766	51.32	51.80	0.48	98.51	0.76	0.31	0.123	0.053	60	117	51
			med-gy, minor lt-gy, homogeneous in gross aspect, surficial staining present as irregular stringers, stylolites and mottles; clay present on fracture surfaces; hematite, limonite and orange moderate throughout - locally <3cm abundant surficial clay, 10-15% calcite veinlets - minor but more than previous interval, some puzzle bx, bioclasts generally too f.g. to classify, occasionally visible crinoid ossicle, shell frag, strom mat frag (v. strom-poor), carbon flecks, pellets common in patches; cycles suspected but not evident	41767	51.80	53.87	2.07	98.26	0.67	0.28	0.038	0.056	66	142	53
				41768	53.87	55.59	1.72	97.58	0.77	0.63	0.159	0.291	39	849	46
				41769	55.59	57.09	1.50	97.45	0.70	0.84	0.159	0.237	92	654	60
				41770	57.09	58.77	1.68	97.70	0.73	0.63	0.118	0.257	47	577	45
				41771	58.77	60.05	1.28	97.08	0.75	0.82	0.213	0.370	60	1046	44
				41772	60.05	60.85	0.80	98.83	0.61	0.17	0.052	0.042	36	125	36
			calcareous acid etches												
			base marked at the first appearance of carbonaceous rock, sharp wavy contact @ ~20°CA												
60.87	70.83	9.96	SHEARED AND BRECCIATED CARBONACEOUS F.G. DOLOMITIC LIME GRST TO C.G. DOLOMITIC LIME PKST F.U.C. WITH DISCRETE CARBON-RICH MDST INTERBEDS	41773	60.85	61.41	0.56	94.69	3.09	0.79	0.232	0.323	68	890	39
			weakly to moderately carbonaceous, heterogeneous, host rock often difficult to classify due to shearing and bx'ion, ~20% calcite overall - locally up to 70% (well sheared and veined), sooty slightly graphitic breaks in strongly carbonaceous mdst, bioclasts generally f.g. in grst and commonly unidentifiable, visible bioclasts in pkst - abundant shells, common crinoid ossicles and stems, shell frags, occasional coral	41774	61.41	62.79	1.38	97.74	0.84	0.55	0.116	0.172	58	390	41
				41775	62.79	63.57	0.78	89.53	6.96	1.18	0.189	0.411	65	1001	51
				41776	63.57	64.90	1.33	86.64	7.62	2.47	0.607	0.989	95	3137	72
				41777	64.90	66.14	1.24	95.15	3.46	0.38	0.195	0.158	57	481	39
				41778	66.14	66.63	0.49	87.27	11.64	0.22	0.058	0.089	56	250	38
				41779	66.63	68.46	1.83	95.18	3.19	0.61	0.122	0.194	49	559	34
				41780	68.46	69.82	1.36	81.28	10.44	3.16	0.597	1.246	97	3494	92
				41781	69.82	70.76	0.94	78.42	12.94	4.62	0.627	1.430	123	4368	103
			F.U.C.'s: 60.87-61.45 (c.g.-v.c.g.), -63.09 (may be cycles b/w but abundant calcite makes it cryptic), -63.59, -64.17, -65.97, -66.67 (strongly dolomitic base), -68.45 (cryptic), -70.83 (more abundant carb-rich interbeds, overall strongly carbonaceous horizon)												
			weakly sheared horizon, the strongly carbonaceous mdst interbeds appear undisturbed, minor offsets: 63.84-64.22												
			strong milky white calcite and surficial clay, sandy clay and clear calcite crystals along shallow angle fractures: 61.45-62.77												
			strong surficial weathering and calcite, irregular fractures: 68.22-68.45												
			base marked at start of primary breccia, sharp sooty contact @ 42°CA												
70.83	74.28	3.45	CARBONACEOUS STRONGLY DOLOMITIC LIME BRECCIA	41782	70.76	72.83	2.07	83.87	13.10	1.47	0.153	0.330	105	1014	68
			med- to dk-gy, heterogeneous, poorly sorted, variable angular clasts - f.g.-m.g. dolomitic lime and lime pksts-grsts (<1/2cm up to ~15cm) within a weakly to moderately carbonaceous strongly dolomitic wkst-pkst matrix, ~5% calcite as abundant v.fine spidery veinlets, breaks in carb-rich rock are sooty and occasionally graphitic, bioclasts in carb matrix are f.g.-m.g. - crinoids and angular bioclast fragments	41783	72.83	74.27	1.44	79.91	16.93	0.99	0.144	0.348	67	1010	69
			dolomite present as mud matrix and disseminated in clasts												
			base marked at end of bx, start of 'clean' non-bx'd rock; stratigraphic continuous contact - sharp but wavy and highly irregular												
74.28	78.33	4.05	CARBONACEOUS F.G. LIME GRST TO CARB C.G. SHELL CRINOID DOLOMITIC LIME PKST F.U.C.'S	41784	74.27	74.95	0.68	92.84	5.83	0.35	0.078	0.127	43	358	50
				41785	75.62	76.77	1.15	88.13	8.29	1.83	0.151	0.370	77	1180	52

DIAMOND DRILL LOG

A102

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-11

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			med-gy to v.dk-gy, weakly to moderately carbonaceous, minor wide-spaced thin (<1cm) carbon-rich mdst interbeds (<5%), overall weakly fractured, ~5% calcite as v.fine white veinlets - commonly 15°-45°CA, overall bioclast-rich - crinoids, shells (bivalves, brachiopods, gastropods - normally more gastros than typical), shell frags, pellets(?) dolomite present as fine disseminations, mud matrix and strongly dolomitic beds up to ~1½ cm - the dolomite is stronger in the cycle bases likely due to the larger mud component in the c.g. pksts	41786	76.77	77.94	1.17	89.96	7.83	1.13	0.110	0.150	52	444	45
				41787	77.94	78.33	0.39	91.29	3.98	2.94	0.129	0.228	57	704	51
			F.U.C.'s: 74.28-75.60, -76.75, -78.33												
			bedding: 47°CA @ 74.96, 56° @ 75.63, 43° @ 76.00, 48° @ 76.25, 54° @ 76.35												
			base marked at the start of a ~6cm carb-rich mdst bed; rock starts to look a bit sheared and darker overall, cycles no longer obvious; contact sharp but wavy - avg 55°CA												
78.33	86.49	8.16	SHEARED CARBONACEOUS DOLOMITIC LIME GRST-PKST F.U.C.'S WITH STRONGLY CARBONACEOUS DOLOMITIC SILTY(?) INTERBEDS	41788	78.33	79.34	1.01	89.89	4.05	3.90	0.280	0.673	71	2191	61
				41789	79.34	81.11	1.77	85.42	6.00	5.50	0.377	0.782	63	2250	93
			dk-gy to blk, likely a continuation of above unit but higher carbon content and abundance of mdst interbeds, higher overall dolomite content than above, variable shearing ~40° to ~perpendicular CA - although not strong throughout it is difficult to pinpoint cycles and identify bioclasts, bioclasts - crinoids, shell frags, carbon flecks, pellets, minor intraclasts up to ~1½cm, ~10-20% calcite as variable jagged veinlets up to ~½cm wide, carbon-rich interbeds ~40% overall - horizons up to 25cm with sooty weakly graphitic breaks moderate dolomite overall present as disseminations, mud, thin strongly dolomitic beds	41790	81.11	82.63	1.52	77.36	10.75	6.43	0.781	1.635	164	5431	128
				41791	82.63	83.71	1.08	78.66	11.79	5.31	0.569	1.201	104	3763	116
				41792	83.71	85.37	1.66	71.01	12.99	7.09	0.925	1.948	167	7114	122
				41793	85.37	86.50	1.13	92.17	5.55	1.30	0.099	0.198	58	645	66
			F.U.C.'s (likely not precise due to shearing): 78.33-79.32, -81.10, -83.78, -85.38, -86.49												
			bedding noted in less sheared horizons: 60° @ 81.19, 62° @ 81.91, 55° @ 84.35, 73° @ 85.27												
			base marked at the return to bx, gradational contact - few intraclasts appear in c.g. pkst in last ~10cm, definite bx at contact												
86.49	93.64	7.15	CARBONACEOUS STRONGLY DOLOMITIC LIME BX	41794	86.50	87.48	0.98	81.81	15.98	0.94	0.114	0.214	62	672	72
			same as '70.83-74.28' but moderate to strongly carbonaceous matrix and overall darker color, bioclasts more easily recognizable f.g.-v.c.g., most noticeable difference is the appearance of stroms - mat frags up to ~4cm relatively abundant and bulbous masses up to ~1½cm, did not note any in the other bx unit	41795	87.48	89.04	1.56	93.22	4.68	1.00	0.100	0.172	65	558	57
				41796	89.04	90.80	1.76	88.76	8.56	1.23	0.132	0.203	58	671	65
			weakly to moderately dolomitic clasts within a moderate to high dolomite mud matrix with thin beds of strongly dolomitic mdst	41797	90.80	92.58	1.78	74.81	19.04	2.43	0.349	0.764	141	2454	92
				41798	92.58	93.64	1.06	84.77	10.86	2.09	0.181	0.333	86	1082	71
			base marked at the end of bx, sharp but wavy stratigraphic contact @ 75°-80°CA												
93.64	112.81	19.17	CARBONACEOUS F.G. DOLOMITIC LIME GRST TO C.G. PKST F.U.C.'S WITH ABUNDANT STRONGLY CARBONACEOUS DOLOMITIC SILTY INTERBEDS	41799	93.64	94.80	1.16	84.04	8.24	4.61	0.458	1.037	131	3538	84
			similar to '78.33-86.49' but greater abundance of carb-rich mdst interbeds	41800	94.80	96.15	1.35	87.32	4.74	4.91	0.345	0.830	133	3123	75
			well-bedded, ~10-20% calcite as fine variable veinlets - commonly sharp	41801	96.15	97.08	0.93	92.82	3.97	2.00	0.121	0.249	53	829	51
			~60% mdst overall - sooty, commonly graphitic at breaks	41802	97.08	97.68	0.60	93.59	2.60	2.17	0.183	0.439	56	1376	44
				41803	97.68	99.81	2.13	85.45	5.43	5.90	0.312	0.693	84	2434	86
			grsts & pksts are bioclast-rich - crinoid ossicles & stems, shells, shell frags, abundant f.g. bioclast frags; c.g. cycle bases commonly poorly sorted dolomitic lime shell crinoid pksts	41804	99.81	100.59	0.78	84.62	5.40	5.69	0.422	1.005	114	3837	80
				41805	100.59	102.20	1.61	71.91	7.94	11.81	0.688	1.665	220	6402	157
				41806	102.20	103.51	1.31	68.30	4.77	17.17	0.810	1.416	188	5084	524

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-11

From m	To m	Tkn m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			intervals with >90% mdst: 100.56-103.36, 111.32-112.81	41807	103.51	105.43	1.92	78.49	5.56	9.46	0.612	1.381	182	5169	203
			~50% calcite as large veins: 97.11--97.40	41808	105.43	106.40	0.97	68.03	14.51	10.36	0.623	1.725	229	6827	160
			dominantly sheared intervals (highly variable orientations): 98.01-100.30, 108.11-110.75	41809	106.40	108.13	1.73	79.38	11.06	5.56	0.381	1.062	140	3612	123
				41810	108.13	109.62	1.49	62.37	21.67	8.09	0.712	2.132	196	7315	221
			F.U.C.'s: 93.64-94.80, -95.90, -96.15, -97.11, 99.82, -100.56, -103.64 (almost entirely mdst	41811	109.62	110.79	1.17	85.80	5.02	5.19	0.313	0.835	95	3180	97
			interbeds), -105.41, -106.42, -108.11, -110.88, -111.39, -112.81 (just f.g. grst top)	41812	110.79	111.24	0.45	82.21	7.53	5.33	0.384	1.191	114	4358	93
				41813	111.24	112.80	1.56	55.49	14.35	14.82	1.291	2.987	245	11853	234
			bedding: 65° @ 93.74, 72° @ 93.90, 81° @ 94.36, 75° @ 95.05, 87° @ 95.72, 80° @ 96.27, 64° @ 100.80, 61° @ 102.10, 65° @ 102.50, 78° @ 105.01, 82° @ 105.41, 64° @ 106.03, 81° @ 110.88, 61° @ 111.95												
			base marked at the end of strongly carbonaceous mdst beds, contact sharp but wavy at ~70°CA												
112.81	120.55	7.74	SHEARED AND BRECCIATED CARBONACEOUS DOLOMITIC LIME MDST, F.G GRST & SHELL PKST	41814	112.80	114.02	1.22	89.84	6.97	2.16	0.186	0.291	37	597	122
			med-gy to v.dk-gy, heterogeneous, overall moderately carbonaceous, minor strongly carb	41815	114.02	115.14	1.12	82.10	15.71	1.39	0.138	0.241	70	572	169
			mdst, moderately stylolitic - blk carbon-rich, bx's generally weakly carb clasts in moderately	41816	115.14	117.07	1.93	94.22	3.30	1.47	0.128	0.212	48	516	109
			carb matrix, 15-20% calcite veinlets - messy, no dependable bedding	41817	117.07	117.79	0.72	94.99	2.46	1.21	0.162	0.265	52	728	90
			moderately to strongly dolomitic throughout - disseminated & dolomud	41818	117.79	119.36	1.57	86.82	9.36	2.11	0.230	0.319	55	996	110
				41819	119.36	120.52	1.16	87.59	8.59	2.23	0.220	0.291	88	763	123
			base marked at the start of strongly carbonaceous rock, sharp contact at 40°CA												
120.55	121.01	0.46	SHEARED DOLOMITIC SILTY CARBON-RICH MDST	41820	120.52	121.01	0.49	93.02	4.62	1.20	0.097	0.107	59	347	47
			entirely blk sooty carbon-rich mud, not well consolidated likely due to shearing and drilling fluids (mush), small bits (<2cm) of competent white calcite vein ~10-15% overall												
			EOH=121.01m	27676	31.79	32.45	0.66	98.46	0.73	0.44	0.043	0.035	91	116	40
				27677	74.95	75.62	0.67	93.02	4.62	1.20	0.097	0.107	59	347	47

DIAMOND DRILL LOG

A104

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-12

Dip Tests

Depth	Angle

Claim: PAT 2 **Co-ordinates (UTM, NAD 83)**
Bearing: 0 **Easting:** 546751.2
Inclination: -60 **Northing:** 5989932.9
Province: BC **Elevation:** 731.4 m

Date Started: Sept. 26/07
Date Finished: Sept. 29/07
Date Logged: Sept. 27-28
Logged By: J. Tanton

Core Size: NQ
Casing: 3.66 m
Total Depth: 124.05 m

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	3.66	3.66	CASING: Overburden. 0.90=ground												
3.66	9.82	6.16	V.C.G. LIME STROMATOPOROID BOUNDSTONE lt- to med-gy, brownish-gy after etching, poorly sorted, v.minor v.fine calcite veinlets <5% overall, minor calcite porosity infill - white crystalline Ca, small (<1/2cm) white calcite blebs bioclast-rich - abundant strom mats and bulbous masses us to ~2cm diameter, crinoid ossicles & stems (large up to 1cm x 3cm), shells and shell frags, corals (? - cannot see internal structure but typical coral character); minor band/stringers of surficial stain, v.minor on fracture surfaces - ~80% of initial 1 1/2m is rubble well fractured - competent but thinly parted (rubble to ~3cm): 8.93-9.82 moderately to strongly carbonaceous dolomitic horizon - stylolitic, wavy and irregular masses and laminations: 6.91-7.33 strongly carbonaceous str dolomitic mdst/mud-rich f.g. wkst bands: 9.60-9.67, 9.74-9.82 base marked at the end of the last carbon-rich band and the start of consistently pkst-grst sharp contact @ ~75°C A - approximate, fractured at contact	41821	3.66	5.18	1.52	98.45	0.81	0.31	0.044	0.076	54	214	42
				41822	5.18	6.80	1.62	97.80	1.27	0.29	0.048	0.102	58	313	37
				41823	6.80	7.25	0.45	97.12	0.81	0.36	0.088	0.132	63	393	35
				41824	7.25	8.89	1.64	98.82	0.63	0.05	0.036	0.073	66	78	36
				41825	8.89	9.39	0.50	98.79	0.77	0.05	0.057	0.029	81	88	37
				41826	9.39	9.64	0.25	87.44	9.44	0.93	0.178	0.405	96	1131	49
9.82	14.77	4.95	F.G.-M.G. LIME GRST TO V.C.G. LIME PKST F.U.C.'S lt- to med-gy and lt-brownish-gy, poorly sorted, moderately fractured overall, very minor calcite as veinlets (~5%) except for the last 75cm (50-70%), very minor surficial weathering (hematite & limonite) bioclast-rich: strom mat frags, bulbous stroms, crinoids, shells and shell frags, intraclasts, unknown feather-like carbon-rich - plant material?/x-sec of brach shell? calcareous, occasionally dolomite present as dolomud intraclast moderately to strong surficial weathering: 10.10 (olive-brown clay along ~15°C A fracture), 12.15-12.25 (mostly hematite), 12.93-13.00 (hem) base marked at the start of carbonaceous dolomdst the last 13cm of interval is almost entirely white crystalline calcite, blk carbonaceous stylolites present in last 7cm so contact could be moved upwards, ~1cm of rubble	41827	9.64	10.74	1.10	98.07	1.12	0.20	0.036	0.047	85	150	34
				41828	10.74	11.30	0.56	98.76	0.64	0.12	0.031	0.043	54	143	33
				41829	11.30	12.18	0.88	98.47	0.56	0.16	0.032	0.053	52	166	34
				41830	12.18	13.78	1.60	98.80	0.61	0.13	0.031	0.040	58	114	32
				41831	13.78	14.78	1.00	98.50	0.67	0.30	0.061	0.060	46	150	38
14.77	15.47	0.70	DOLOMDST TO CARBONACEOUS BDST dk-brownish-gy (dolomitic) and v.dk-gy (limy) The initial 37cm is entirely homogeneous, finely laminated, dolomdst with two rounded carbon-rich clasts (bioclast/intraclast?) - laminations are variable and slightly wavy, no dependable bedding, moderately microfractured. The rock grades into carbonaceous bdst with dolomud mottles/irregular patches or bound mud. The bdst is poorly sorted with v.minor calcite porosity fill, bioclast-rich: abundant shells, crinoids, strom mat frags. base marked at the last large dolomud mottle and the start of consistent bdst gradational contact	41832	14.78	15.46	0.68	77.45	19.20	1.11	0.194	0.493	146	1399	55

DIAMOND DRILL LOG

A105

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-12

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
15.47	34.87	19.40	CARBONACEOUS AND NON-CARB V.C.G. STROMATOPOROID CORAL LIME BDST med- to dk-gy, fossils commonly lt-brownish-gy after etching, non- and weakly-carb part of the rocks is bound mud, common bird's eye texture, v.poorly sorted, bioclast-rich: abundant stroms (mats & bulbous), crinoid ossicles & stems (large up to ~1½cm x 3½cm), abundant shells and shell frags (gastro, brachs and bivalves), colonial corals (blebs less than ½cm), minor solitary rugose coral; weakly to moderately fractured calcareous with minor dolomite throughout - dolo present as weak disseminations, stringers/mottles, and haloes around bioclasts partings @ ~perpendicular CA with minor brown clay: 16.27-16.32 base marked at the start of pkst-grst and end of bdst; contact @ ~35°CA	41833	15.46	16.62	1.16	97.67	1.28	0.26	0.041	0.045	63	139	37
				41834	16.62	18.00	1.38	98.20	1.28	0.19	0.041	0.048	57	128	35
				41835	18.00	19.11	1.11	98.48	0.95	0.22	0.038	0.039	53	122	33
				41836	19.11	19.42	0.31	93.70	4.11	0.72	0.129	0.259	86	746	39
				41837	19.42	20.48	1.06	97.40	1.40	0.63	0.098	0.156	76	215	48
				41838	20.48	21.89	1.41	95.61	2.45	0.84	0.180	0.230	70	502	45
				41839	21.89	23.47	1.58	96.43	2.37	0.39	0.212	0.104	67	295	66
				41840	23.47	25.15	1.68	97.60	1.21	0.58	0.103	0.124	75	369	38
				41841	25.15	26.36	1.21	98.21	0.88	0.36	0.133	0.083	60	245	40
				41842	26.36	27.71	1.35	98.65	0.70	0.29	0.045	0.044	89	80	35
				41843	27.71	28.89	1.18	98.60	0.74	0.27	0.058	0.036	96	138	36
				41844	28.89	29.57	0.68	98.61	0.83	0.12	0.072	0.073	52	105	44
				41845	29.57	31.20	1.63	97.54	0.70	0.17	0.094	0.029	43	70	60
				41846	31.20	32.71	1.51	98.40	0.63	0.11	0.077	0.028	54	61	48
				41847	32.71	33.39	0.68	97.71	0.61	0.13	0.075	0.038	46	97	50
				41848	33.39	34.92	1.53	98.74	0.69	0.25	0.045	0.019	87	59	45
34.87	39.82	4.95	M.G. LIME GRST TO V.C.G. DOLOMITIC LIME PKST F.U.C.'S med-gy, widely spaced thin <½cm strongly carbonaceous bands (not discrete mdst interbeds) - wavy & stylolitic, poorly sorted but homogeneous in gross overall aspect, weakly fractured, nearly no calcite - v.minor fine veinlets, bioclast-rich: abundant shells and shell frags, crinoid ossicles and lg stems, no noted stroms dolomite present as fine disseminations and rare dolomud F.U.C.'s: 34.87-35.73, -38.98 (36.13-36.28: bdst(?) - poorly sorted, bird's eye texture), 38.98-39.82 (f.g. mud-rich dolomitic wkst at top) base marked at first carbon-rich mdst interbed; sharp stratigraphic contact @ 53°CA	41849	34.92	35.72	0.80	97.67	1.14	0.16	0.117	0.341	63	101	45
				41850	35.72	36.28	0.56	97.66	1.69	0.18	0.064	0.050	46	134	27
				41851	36.28	37.65	1.37	97.03	2.07	0.29	0.071	0.040	89	120	34
				41852	37.65	38.96	1.31	95.53	3.34	0.22	0.088	0.027	65	72	38
39.82	41.14	1.32	F.G. CARBONACEOUS LIME GRST TO C.G. DOLOMITIC LIME PKST F.U.C.'S WITH DISCRETE CARBON-RICH STRONGLY DOLOMITIC SILTY MDST INTERBEDS (~30-40%) dk-gy and blk, grst-pkst weakly carbonaceous, continuation of above but introduction of blk carbon-rich sooty mdst interbeds and v.f.g. grst beds, well bedded throughout - sharp but stylolitic contacts throughout, minor v.fine calcite veinlets <5% disseminated dolomite in c.g. pksts, strong dolo in blk mdst interbeds F.U.C.'s: 39.82-40.18, -40.59, -41.14; some shorter cycles contained within bedding: 53°CA @ 39.82, 64° @ 40.25, 60° @ 40.50, 62° @ 40.90, 57° @ 41.14 base marked at the end of the last mdst interbed; sharp stratigraphic contact	41853	38.96	39.57	0.61	87.95	10.50	0.52	0.067	0.077	113	231	37
				41854	39.57	39.78	0.21	84.64	14.00	0.74	0.117	0.149	121	416	46
				41855	39.78	41.15	1.37	87.65	7.51	2.31	0.381	0.807	123	2285	59
41.14	41.77	0.63	CARBONACEOUS C.G.-V.C.G. SLIGHTLY DOLOMITIC LIME GRST-PKST F.U.C.'S continuation of above unit but lacking mdst interbeds, overall weakly carbonaceous, poorly sorted, nearly no calcite other than minor white bioclasts, bioclast-rich: abundant shells and shell fragments, crinoid ossicles and stems, solitary coral, abundant bioclast frags, <mm carbon flecks scattered throughout disseminated dolomite	41856	41.15	41.77	0.62	98.15	1.06	0.27	0.064	0.037	56	123	34

DIAMOND DRILL LOG

A106

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-12

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)	
			base marked at the start of bdst; sharp but stylonitic irregular contact - stratigraphic													
41.77	48.90	7.13	CARBONACEOUS BIRD'S EYE V.C.G. DOLOMITIC LIME BOUNDSTONE	41857	41.77	43.16	1.39	98.20	0.87	0.16	0.053	0.021	51	93	36	
			dk-gy, weakly carbonaceous, v.poorly sorted, bioturbated, v.minor calcite as porosity-fill and bioclasts above 45.46m <5%, up to 20% after 48.90m	41858	43.16	44.17	1.01	98.41	0.75	0.52	0.048	0.013	67	56	36	
			bioclast-rich: stroms (mats, fingers, bulbous masses), crinoid ossicles and stems (large), corals, shells up to 4cm wide, shell frags, pellets	41859	44.17	45.47	1.30	98.20	0.86	0.64	0.057	0.018	48	59	36	
			dolomite present as fine disseminations and dolomud stringers	41860	45.47	45.97	0.50	93.61	2.27	3.02	0.094	0.145	55	366	57	
				41861	45.97	46.73	0.76	70.64	21.49	3.73	0.735	1.490	165	4198	85	
				41862	46.73	47.85	1.12	92.58	5.86	0.26	0.091	0.106	72	289	35	
				41863	47.85	48.90	1.05	95.07	3.46	0.23	0.081	0.106	39	253	32	
			bx'd and sheared horizon: 45.46-48.90; stronger dolomud component than surrounding rock													
			Brecciated white calcite vein ~70-80% Ca: 45.66-45.98													
			base at the start of non-bx'd rock and the end of bdst; contact sharp but wavy - avg. ~50°CA													
48.90	72.96	24.06	CARBONACEOUS F.G. DOLOMITIC LIME GRST TO C.G. DOLOMITIC LIME PKST	41864	48.90	49.38	0.48	84.50	12.84	0.60	0.137	0.281	97	773	41	
			F.U.C.'S WITH CARBON-RICH SOOTY MDST INTERBEDS	41865	49.38	50.90	1.52	86.36	12.01	0.39	0.095	0.152	84	444	36	
			dk-gy grst-pkst with blk mdst interbeds, weakly fractured - breaks are generally along bedding planes, v.minor calcite as veinlets and bioclast-fill <5% overall, locally ~15%	41866	50.90	52.60	1.70	90.30	8.54	0.38	0.101	0.169	64	473	38	
			bioclast-rich: some of the f.g. grsts too small to identify, abundant shells and shell frags (gastropods, brachiopods, and bivalves; commonly shell pkst at cycle bases), abundant crinoid ossicles and large stems, minor strom frags, rare bryozoan (shreddies), minor coral, carbon flecks (<mm, minor but throughout)	41867	52.60	53.02	0.42	94.74	4.08	0.46	0.088	0.179	65	534	37	
			weakly to strongly dolomitic - variable but throughout as disseminations, mud mottles and stringers, and dolomite-rich beds	41868	53.02	53.47	0.45	83.67	10.51	2.34	0.587	1.160	121	3365	58	
				41869	53.47	54.77	1.30	91.33	6.12	0.88	0.175	0.376	78	1075	44	
				41870	54.77	55.30	0.53	83.57	14.15	0.81	0.192	0.341	101	964	50	
				41871	55.30	56.87	1.57	74.14	12.03	8.10	0.985	1.966	224	6193	121	
				41872	56.87	58.62	1.75	87.76	10.82	0.63	0.118	0.240	90	654	47	
				41873	58.62	59.68	1.06	88.95	5.85	2.42	0.307	0.631	96	1898	53	
				41874	59.68	61.35	1.67	94.58	3.93	0.34	0.059	0.091	72	255	35	
			F.U.C.'s: 48.90-50.63, -50.96, -53.42, -54.45, -55.33, -57.00, -57.99, -58.29, -59.65, -61.54, -62.78, -63.46, -65.15, -66.14, -66.93, -67.33, -68.42 (only the c.g. base), -70.29, -71.00, -71.43, -72.33, -72.96	41875	61.35	62.51	1.16	82.77	7.93	5.32	0.606	1.332	127	4015	98	
				41876	62.51	64.38	1.87	88.99	4.53	3.44	0.387	0.771	99	2280	80	
				41877	64.38	65.15	0.77	95.27	2.19	0.95	0.079	0.143	87	389	38	
				41878	65.15	66.63	1.48	88.55	7.09	1.83	0.211	0.404	117	1113	48	
			horizons with relatively abundant carbon-rich mdst interbeds (1A): 49.07-49.39 (20%), 50.40-50.62 (wavy, 20%), 53.43 (2cm), 53.62 (2cm, abundant white calcite veining), 56.80 (2cm with ½cm calcite vein), 57.00-57.37 (~85%), 57.61-58.54 (20%), 61.38-65.31 (~40%, well-bedded), 66.65-66.72 (100%), 67.43 (3cm), 70.28-72.96 (60-70%, well bedded)	41879	66.63	67.44	0.81	86.95	9.69	1.26	0.207	0.415	92	1120	49	
				41880	67.44	68.89	1.45	92.66	5.84	0.34	0.089	0.146	52	401	31	
				41881	68.89	70.27	1.38	87.38	8.13	1.71	0.267	0.508	73	1325	63	
				41882	70.27	71.98	1.71	79.64	6.75	8.24	0.646	1.486	162	4161	141	
				41883	71.98	72.33	0.35	91.38	1.47	5.16	0.154	0.243	63	665	78	
			bedding: 58°CA @ 49.08, 64° @ 54.85, 55° @ 56.89, 55° @ 57.20, 57° @ 57.80, 73° @ 58.21, 62° @ 58.50, 65° @ 61.55, 60° @ 61.90, 69° @ 62.87, 65° @ 63.25, 45° @ 63.75, 65° @ 65.20, 71° @ 66.64, 75° @ 70.55, 73° @ 70.75, 61° @ 71.00, 86° @ 71.10, 64° @ 71.60, 67° @ 71.90, 60° @ 72.40, 61° @ 72.80	41884	72.33	72.94	0.61	78.80	4.39	9.69	0.881	1.827	197	5585	129	
			dolomd horizons: 53.02-53.14, 54.83-54.93, 55.20-55.34, other <2cm present													
			small horizon of dolomitic lime bdst (bird's eye texture) and bx: 66.93-67.33 80% Ca with carbon-rich mdst: 53.26-53.32													
72.96	77.44	4.48	CARBONACEOUS STRONGLY DOLOMITIC LIME BRECCIA WITH SHEARED HORIZONS OF PREVIOUS INTERVAL	41885	72.94	74.04	1.10	76.96	8.77	8.43	0.703	1.601	154	4736	133	
			variable - dk-gy to blk, v.poorly sorted, ~5% calcite overall, locally 10%, bioclast-rich: often too f.g. to identify, more visible in pkst clasts and carbonaceous matrix - shells and shell frags, crinoid ossicles, pellets(?)	41886	74.04	75.93	1.89	82.67	14.26	1.67	0.211	0.370	81	1094	74	
				41887	75.93	77.43	1.50	89.73	8.44	0.92	0.137	0.213	77	604	64	

DIAMOND DRILL LOG

A107

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-12

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)	
			moderately dolomitic throughout - dominantly as mud matrix but also minor disseminated clasts 72.96-74.69: sheared rocks of previous interval, shearing textures highly variable 72.96-74.07: approx 50-60% sooty mdst 74.69-77.44: almost entirely carbonaceous bx; sub-ang to angular clasts of f.g. grst and m.g.-c.g. pkst within moderately to strongly carbonaceous wkst-pkst matrix base marked at the end of bx and start of bdst contact sharp but wavy and highly irregular, the bx infiltrates or fingers into the bdst below for ~17cm core length; contact marked at the final appearance of bx													
77.44	79.70	2.26	LIME BOUNDSTONE lt-gy and lt-brownish-gy, non-carbonaceous, common bird's eye texture, ~10% calcite as veinlets and porosity infill, bioclasts difficult to identify unless etched - strom mats, colonial coral, crinoid ossicles, minor shells and shell frags calcareous	41888	77.43	78.53	1.10	98.39	1.04	0.26	0.051	0.029	40	111	48	
			base marked at the return to sheared and bx'd carbonaceous rocks sharp but wavy contact @ ~35°CA - slickenlines on fracture surface but other than sheared rocks below it does not appear to be a structural contact (ie. minor movement)	41889	78.53	79.78	1.25	98.20	0.76	0.20	0.073	0.025	48	110	51	
79.70	81.32	1.62	CARBONACEOUS STRONGLY DOLOMITIC BRECCIA AND SHEARED ROCKS same as 72.96-77.44 but more dominantly Unit 1A - perhaps some 1B rather than 1C ~60-70% sooty mdst, ~10% calcite veining overall overall moderately to strongly dolomitic, weakly siliceous ~80% calcite - dominantly white crystalline with vuggy clear calcite crystals, puzzle breccia, extensional: 80.48-80.56	41890	79.78	81.33	1.55	82.82	12.43	1.64	0.357	0.743	116	1929	81	
			base marked at the end of bx and start of f.g. grst, rubble at contact, carbonaceous bx appears to finger into 'clean' rock as seen earlier													
81.32	83.30	1.98	F.G. TO M.G. DOLOMITIC LIME GRSTS AND PKSTS med-gy and brownish-gy, homogeneous, vuggy, moderately fractured - ~10-15% rubble, ~5% calcite as sharp but variably oriented veinlets, bioclasts generally too f.g. to classify - occasionally visible crinoid ossicles weakly to moderately dolomitic throughout as dolomud in pksts Note: bright yellowish-orange surficial clay in vugs and fracture surfaces - NOT seen in the units above and below band of moderately carbonaceous m.g.-c.g. pkst with abundant crinoid ossicles, lesser shells and shell frags, and pellets(?): 82.73-82.79 base marked at the start of carbonaceous rocks, sharp contact @ 69°CA but ~4cm mottle of carb rock seen near the end of non-carb	41891	81.33	82.74	1.41	96.83	1.34	0.74	0.104	0.177	66	541	41	
				41892	82.74	83.30	0.56	95.21	3.02	0.46	0.093	0.181	66	504	36	
83.30	83.67	0.37	CARBONACEOUS F.G.-C.G. DOLOMITIC LIME PKST F.U.C.'S WITH THIN DISCRETE	41893	83.30	83.68	0.38	93.44	3.35	1.19	0.253	0.524	86	1491	47	

DIAMOND DRILL LOG

A108

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-12

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			CARBON-RICH DOLOMITIC MDST INTERBEDS moderately carbonaceous pksts (dk-gy) with carbon-rich sooty mdst interbeds (blk, 1-3cm w) nearly no calcite-<5% veinlets, bioclast-rich: crinoid ossicles, shell frags, pellets(?), carbon flecks dolomite disseminated in pksts, mud in mdst siliceous F.U.C.'s: 83.30-83.51, -83.67 bedding: 68°CA @ 83.51 base marked at return to f.g. grsts, fractured contact with orange surficial clay												
83.67	84.02	0.35	F.G. TO M.G. DOLOMITIC LIME GRSTS AND PKSTS identical to '81.32-83.30' except entirely f.g. grst with bright orange (lacked yellow tinge) surficial clay on fracture surfaces, less vuggy but well fractured 10-20% calcite veinlets, calcareous base marked at return to dolomitic carbonaceous rocks	41894	83.68	84.03	0.35	96.38	2.81	0.26	0.110	0.078	67	204	44
84.02	124.05	40.03	CARBONACEOUS F.G. DOLOMITIC LIME GRSTS TO V.C.G. DOLOMITIC LIME PKSTS F.U.C.'S WITH DISCRETE CARBON-RICH SOOTY SILTY ARGILLACEOUS MDST INTERBEDS = FOOTWALL v.dk-gy grsts and pksts with blk mdst interbeds, cycles appear to coarsen down hole overall but not consistent, competent rock, overall weakly fractured, breaks commonly at sooty mdst interbeds along bedding, ~5% scattered rubbly sections, noticeably no surficial staining or fracturing, overall minor calcite <5%, locally up to ~20% as veinlets (max 1cm, generally mm-scale) and bioclasts abundant bioclasts: commonly too f.g. but frequently visible c.g. bioclasts in cycle bases - abundant shells and shell frags (bivalves, brachs, gastro; cycle bases commonly shell pkst), crinoid ossicles and stems, belemnites, rare cephalopod, pellets in f.g., carbon flecks throughout, occasional carb intraclast up to ~1cm dolomite present throughout generally as fine disseminations - strong in mdst interbeds, lesser in wkst-pkst, siliceous interbeds F.U.C.'s (ignoring the presence of mdst interbeds): 84.02-84.20, -84.76, -85.91, -86.98, -87.89, -88.43, -89.21, -89.67, -90.83, -91.42, -91.80, -92.61, -93.06, -95.22, -95.62, -95.91, -96.09, -96.46, -97.06, -97.63, -98.48, -99.11, -99.26, -99.41, -99.68, -100.05, -101.18, -101.95, -102.29, -104.50, -107.42, -108.12 (short cycles within), -108.71, -109.03, -109.29, -109.48, -109.83, -110.07, -110.90, -111.21, -112.65, -113.05, -114.82, -115.46, -116.17, -117.38, -117.86, -118.76, -119.10, -120.38, -121.37, -122.52, -122.52, -123.12 (mottled appearance, fine bird's eye texture, cannot identify grains), -123.71, -124.05 Dominantly Unit 1A: 84.02-85.97, 94.76-96.12, 97.13-98.12, 99.68-101.87, 106.52-106.81, 107.46- 111.09, 112.65-112.94, 114.84-120.34 bedding: 65°CA @ 84.43 72° @ 85.04, 76° @ 85.16, 69° @ 91.45, 71° @ 95.26, 67° @ 95.71, 72° @ 96.72, 66° @ 99.16, 72° @ 100.15, 70° @ 106.53, 72° @ 108.32, 71° @ 109.05, 70° @ 111.05, 76° @ 112.94, 76° @ 115.30, 77° @ 116.40, 65° @ 118.12, 74° @ 118.90, 62° @ 120.30 74° @ 119.56; relatively consistent at ~70°	41895 41896 41897 41898 41899 41900 41901 41902 41903 41904 41905 41806 41907 41908 41909 41910 41911 41912 41913 41914 41915 41916 41917 41918 41919 41920 41921 41922 41923 41924 41925 41926	84.03 85.97 87.88 89.60 90.81 91.76 93.06 93.64 94.76 96.15 97.12 98.09 99.67 100.51 101.98 103.43 104.95 106.55 106.83 107.45 108.86 110.20 111.03 112.68 112.96 114.06 114.81 116.63 117.63 117.63 118.74 118.74 120.44 120.44 121.35 121.35	1.94 1.91 1.72 1.21 0.95 1.30 0.58 1.12 1.39 0.97 0.97 1.58 0.84 1.47 1.45 1.52 1.60 0.28 0.62 1.41 1.34 0.83 1.65 0.28 1.10 0.75 1.82 1.00 1.11 1.70 0.91 1.18	90.02 96.69 96.07 95.76 94.37 94.84 88.86 94.59 88.90 91.27 83.60 68.30 83.45 91.94 92.65 89.59 90.31 82.47 90.35 80.84 74.51 84.96 92.19 68.61 97.82 97.60 79.23 72.36 96.88 79.89 95.64 90.33	2.36 2.01 2.22 2.50 3.17 3.06 8.13 3.02 4.17 5.68 4.77 6.05 3.78 5.17 8.58 8.20 6.99 8.08 5.94 8.19 8.18 5.01 10.45 1.21 1.62 8.52 10.64 1.46 8.19 2.90 7.19	3.63 0.41 0.58 0.43 1.32 0.67 1.68 1.16 4.05 1.13 11.37 17.17 5.18 2.77 0.40 0.88 0.38 5.85 0.54 8.11 10.07 3.40 1.12 7.97 0.37 0.31 8.03 11.41 0.80 6.54 0.89 0.62	0.368 0.111 0.136 0.116 0.095 0.074 0.153 0.112 0.227 0.274 0.121 0.810 0.561 0.162 0.077 0.110 0.079 1.415 0.085 1.551 0.777 1.137 0.270 1.250 0.055 0.093 0.477 1.370 0.060 1.316 0.062 0.229	135 48 49 50 83 79 92 79 78 64 120 188 155 80 63 80 85 219 86 209 249 155 70 257 71 46 169 179 50 193 107 67	3096 364 520 417 540 299 1022 565 1940 521 1740 5084 4204 1170 367 683 286 4265 294 4857 6593 3415 671 10370 203 206 3769 4516 217 4070 172 112	49 38 39 36 35 29 39 42 54 36 49 524 65 47 33 34 36 69 49 104 136 85 59 88 33 32 122 190 42 72 39 50		

DIAMOND DRILL LOG

A109

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-12

From m	To m	Tks m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			EOH = 124.05m	41927	122.53	123.10	0.57	88.87	9.31	0.46	0.049	0.093	67	204	43
				41928	123.10	124.05	0.95	89.09	9.21	0.49	0.059	0.104	100	172	47

DIAMOND DRILL LOG

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-13

Core Size: NQ

Casing: 20.42 m

Total Depth: 383.13 m

Dip Tests

Depth Angle

Claim: PAT 2 Co-ordinates (UTM, NAD 83)
Bearing: 0 Easting: 546816.9
Inclination: -60 Northing: 5989259.5
Province: BC Elevation: 704.9 m

Date Started: Sept. 29/07
Date Finished: Oct. 09/07
Date Logged: Sept 29-Oct 10
Logged By: J. Tanton

Table with columns: From (m), To (m), Tkns (m), Description, Sample #, From (m), To (m), Length (m), CaCO3 (%), MgCO3 (%), SiO2 (%), Fe2O3 (%), Al2O3 (%), Na2O (ppm), K2O (ppm), MnO (ppm). Contains detailed geological data for hole PAT07-13.

DIAMOND DRILL LOG

A111

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-13

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
59.27	92.85	33.58	INTERBEDDED CARBONACEOUS V.F.G.-F.G. DOLOMITIC LIME GRSTS F.U.C.'S (50%) AND STRONGLY CARBONACEOUS MDSTS (50%) WITH MINOR CARBON-RICH MUD-RICH SHELL WKSTS overall dark unit, v.dk-gy to blk, mod to strongly carbonaceous throughout, homogeneous in gross overall aspect, well-bedded, strongly stylolitic - carbon-rich & ~bedding, ~10% Ca as widely spaced but large (½ to 4 cm) veins, minor fine veinlets, dolomite is weakly present throughout as disseminated and locally thin dolomitic beds, the mdst does not etch well - likely siliceous, bioclasts indeterminate other than v.c.g. shells, belemnites and shell frags the unit is similar to the footwall rocks (1A) except: the grsts are much finer-grained and homogeneous this unit has a much higher abundance of blk mdst - suspect siliceous mdsts are more competent and not as sooty overall noticeably bioclastic c.g. shell pkst horizon: 91.76-91.86 abundant shell and shell frags within a carbon-rich mud matrix F.U.C.'s: 59.27-60.26, -61.76, -66.16, -69.25, -71.92 (mostly shells up to ~1cm in last ~50cm, still v.f.g.-f.g. grst matrix), -72.41 (last ~20cm shells in v.f.g. grst matrix), -73.93 (last ~5cm) cycles become cryptic after 75.93 due to high abundance of mdst and introduction of shell wkst (white sh frags in highly carb blk mud matrix) at 81.50m the frequency of shell wkst increases down hole up to ~40% with mdsts - no f.g. grst at end of interval bedding remains relatively consistent throughout interval (slight variations) @ 60°-70°, locally 50° CA base marked at the end of dominantly carbon-rich mdst mdst interbeds present below but noticeably less abundant and accompanied by cycles with noticeably coarser-grained grainstone bases sharp but irregular stratigraphic contact @ 60°-80° CA	41962	59.28	60.77	1.49	83.24	7.11	5.63	0.323	0.978	109	2438	145
				41963	60.77	62.23	1.46	84.85	4.14	7.19	0.305	0.923	123	2770	144
				41964	62.23	63.60	1.37	87.66	3.75	5.56	0.274	0.765	92	2203	97
				41965	63.60	65.27	1.67	84.81	3.57	7.22	0.300	0.724	142	2041	140
				41966	65.27	66.45	1.18	89.93	2.40	5.12	0.254	0.405	128	999	199
				41967	66.45	67.87	1.42	78.00	2.96	12.07	0.605	0.642	130	1764	657
				41968	67.87	69.25	1.38	87.99	2.91	5.67	0.199	0.436	132	1281	121
				41969	69.25	71.00	1.75	65.90	8.28	13.39	0.786	2.487	429	7411	362
				41970	71.00	72.32	1.32	90.10	3.44	3.72	0.223	0.568	166	1708	87
				41971	72.32	73.96	1.64	86.69	3.89	5.34	0.315	0.694	165	2099	148
				41972	73.96	74.80	0.84	85.87	3.79	7.03	0.338	0.816	206	2309	152
				41973	74.80	76.31	1.51	75.22	5.43	12.72	0.545	1.285	271	3841	405
				41974	76.31	77.24	0.93	69.69	5.52	15.07	0.760	1.947	286	5828	347
				41975	77.24	78.33	1.09	65.12	6.29	15.74	1.005	2.591	608	7620	397
				41976	78.33	79.90	1.57	64.47	5.70	18.03	0.950	2.236	332	6345	561
				41977	84.30	85.53	1.23	79.64	4.43	10.05	0.597	1.248	216	3392	216
				41978	85.53	87.11	1.58	82.42	5.21	8.33	0.418	0.906	180	2521	232
				41979	87.11	88.51	1.40	74.43	3.61	14.19	0.643	1.095	207	3092	476
				41980	88.51	90.02	1.51	79.30	3.32	11.27	0.480	1.193	222	3513	225
				41981	90.02	90.88	0.86	82.15	5.28	8.04	0.507	1.063	239	3203	359
				41982	90.88	91.59	0.71	69.91	7.99	12.70	0.770	1.855	293	5431	443
				41983	91.59	92.88	1.29	75.26	4.11	11.14	0.845	1.247	242	3667	729
92.85	104.48	11.63	CARBONACEOUS V.F.G. DOLOMITIC LIME GRST TO CARBONACEOUS C.G. DOLOMITIC LIME SHELL PKST F.U.C.'S WITH CARBON-RICH DOLOMITIC SILTY MDST INTERBEDS (~30%) overall dk interval, dk-gy, weakly to moderately carbonaceous grsts-pksts with blk carb-rich mdst interbeds, continuation of above unit but cycles are noticeably coarser-grained at base and slightly less abund mdsts, moderately to well bedded, ~5-10% Ca as veinlets, locally 20% larger veins and fracture fill - irregular, bioclasts too fine-grained at cycle tops to identify but visible in bases: v. abundant shell frags with much lesser whole shells, rare mm-scale crinoid ossicles - looks like dominantly bivalves but still some visible brachs and gastros present; dolomite weakly disseminated throughout, occasionally moderate dolomite stringers or minor dolomud mottles, siliceous interbeds F.U.C.'s: 92.85-92.99, -93.71, -94.33, -95.77 (v.c.g. bivalve frag base), -96.56, -97.36, -99.33, -99.67, -100.57, -101.26, -101.99, -102.37, -102.51, -104.08 104.08-104.48: mdst bedding: 72° @ 93.51, 63° @ 96.23, 60° @ 98.06 (slightly wavy), 64° @ 99.75, 64° @ 100.97, 67°	41984	92.88	93.72	0.84	89.64	4.30	4.12	0.296	0.669	111	1753	95
				41985	93.72	95.04	1.32	94.41	2.62	1.83	0.155	0.194	96	515	57
				41986	95.04	96.76	1.72	93.27	1.73	3.17	0.217	0.342	103	907	64
				41987	96.76	98.27	1.51	76.00	3.41	12.25	0.996	1.121	189	3347	921
				41988	98.27	99.67	1.40	91.26	1.67	4.95	0.286	0.466	77	1337	145
				41989	99.67	100.56	0.89	89.78	2.62	4.67	0.294	0.811	136	2335	126
				41990	100.56	101.98	1.42	92.99	2.05	2.97	0.182	0.392	112	1091	78
				41991	101.98	103.42	1.44	79.26	4.55	9.12	0.665	1.201	177	3743	457
				41992	103.42	104.46	1.04	70.21	10.10	11.52	0.809	1.748	183	5471	552

DIAMOND DRILL LOG

A112

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-13

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			@ 102.37, 58° @ 104.16												
			base marked at the start of sheared rock, sharp but wavy and irregular contact, strong clear Ca crystals												
104.48	120.71	16.23	SHEARED AND BRECCIATED CARBONACEOUS DOLOMITIC LIMESTONE WITH THIN CARBON-RICH DOLOMITIC SILTY MDST INTERBEDS	41993	104.46	105.66	1.20	93.52	2.89	2.17	0.204	0.412	53	1140	55
			dk-gy dolomitic limestone with sheared wavy bands of blk carb-rich mdst interbeds, host limestone lithology indeterminate - likely a continuation of above but cryptic due to deformation, v.strongly stylolitic throughout - carbon-rich, blk, variable, wavy; ~10% Ca overall as sheared veinlets and bx infill - locally 20%, no visible bioclasts, weakly to moderately dolomitic throughout - disseminated and dolomud (strongly microfractured) stringers, mottles and thin beds/bands; no dependable bedding	41994	105.66	106.63	0.97	94.67	3.12	0.57	0.103	0.198	41	484	24
				41995	106.63	107.80	1.17	96.77	1.35	0.51	0.047	0.044	57	214	19
				41996	107.80	109.44	1.64	94.55	3.13	0.71	0.118	0.227	50	584	25
				41997	109.44	111.00	1.56	93.08	4.91	0.92	0.125	0.294	67	752	26
				41998	111.00	112.50	1.50	93.92	4.15	0.83	0.207	0.251	59	643	39
				41999	112.50	113.91	1.41	92.33	5.03	1.03	0.132	0.331	57	842	27
				42000	113.91	114.12	0.21	94.66	3.66	0.73	0.112	0.254	50	675	22
				42001	114.12	116.40	2.28	93.91	4.35	0.56	0.098	0.163	54	413	24
			base marked at the start of limey rock with visible bioclasts, shearing and bx'ion continues, still carb dolomitic mottles and stringers but significantly less below	42002	116.40	117.96	1.56	98.40	1.01	0.14	0.036	0.050	38	140	15
			sharp but highly irregular contact, distinctly weathered appearance	42003	117.96	119.53	1.57	98.63	0.85	0.19	0.035	0.034	36	104	14
				42004	119.53	120.73	1.20	92.92	4.39	0.53	0.114	0.237	54	620	29
120.71	127.92	7.21	SHEARED AND BRECCIATED CARBONACEOUS DOLOMITIC LIME BDST/WKST	42005	120.73	122.03	1.30	97.78	1.85	0.06	0.072	0.021	35	73	23
			weakly carbonaceous, dk-gy with minor wavy stylolitic bands <1cm of carb-rich mdst - once thin mdst interbeds but now highly irregular and wavy; host rock is still difficult to classify but visible strom mat frags, crinoid ossicles and shell frags in lime mud(?); overall weakly fract'd, ~5% Ca overall as veinlets, strongly stylolitic throughout - v.fine, blk, carb-rich, highly variable; weathered appearance distinctly different from surrounding units - lt-gy mottles with fine blk stylolites and thin wavy carb bands; weak to moderate dolomite mottles and stringers, no bedding	42006	122.03	123.73	1.70	97.79	1.76	0.10	0.053	0.025	43	80	20
				42007	123.73	125.12	1.39	98.71	0.79	0.07	0.049	0.013	36	51	20
				42008	125.12	126.50	1.38	98.53	1.11	0.04	0.055	0.016	37	50	22
				42009	126.50	127.92	1.42	97.98	1.22	0.05	0.046	0.022	34	79	19
			base marked at the start of 'clean' unsheared lmst, sharp but irregular stylo contact @ ~40°												
127.92	134.66	6.74	V.F.G. LIME GRST	42010	127.92	128.11	0.19	97.97	1.51	0.20	0.032	0.017	51	72	19
			lt-gy, homogeneous, indescrpt, would have called it a mdst but granular appearance - occasionally recognizable crinoid ossicle and rare shell (base of cycle?), cycles cryptic if present, overall weakly fractured, 5-10% Ca as fine veinlets - v.spidery, abundant Ca in last 9cm of interval likely due to shearing evident in unit below, NO carbon - distinct difference from rock above, majority calcareous, occasionally v.finely disseminated dolomite (likely a cycle top??)	42011	128.11	129.36	1.25	98.13	1.04	0.30	0.041	0.033	46	154	21
				42012	129.36	130.15	0.79	99.02	0.58	0.00	0.031	0.011	40	49	20
				42013	130.15	131.71	1.56	98.91	0.56	0.09	0.059	0.018	32	56	25
				42014	131.71	133.20	1.49	98.35	0.85	0.34	0.064	0.026	50	83	34
				42015	133.20	134.66	1.46	96.62	2.95	0.06	0.031	0.027	24	76	30
			base marked at the return to sheared and carbonaceous rocks, contact sharp but ambiguous due to abundant Ca veining												
134.66	151.49	16.83	SHEARED AND BRECCIATED LIMESTONE	42016	134.66	135.97	1.31	89.70	8.72	0.41	0.107	0.111	68	187	33
			dk-gy to v.dk-gy, weakly to moderately carbonaceous rock, strongly stylolitic - blk, highly irreg, carb-rich; cycles likely present due to frequent changes in grain size but cryptic due to shearing and associated bx'ion, ~10-20% Ca as frequent veinlets, majority of Ca is sheared and bx'd (ie. veining due to earlier event), where less sheared the rock looks like carbonaceous mud-rich wkst to pkst - visible crinoid ossicles, solitary corals and shells (white in dk matrix); minor dolomite - where present: v.finely disseminated and rare moderately dolomitic stringer/mottle	42017	135.97	137.30	1.33	90.17	6.19	2.15	0.123	0.398	59	921	44
				42018	137.30	138.28	0.98	96.13	2.83	0.17	0.074	0.095	31	141	93
				42019	138.28	139.29	1.01	98.58	0.66	0.20	0.054	0.029	46	66	35
				42020	139.29	140.29	1.00	98.47	0.63	0.21	0.046	0.029	20	80	32
				42021	140.29	142.04	1.75	97.26	1.07	0.21	0.084	0.031	31	60	34
				42022	142.04	142.90	0.86	96.68	2.49	0.17	0.079	0.049	34	62	48
				42023	142.90	143.45	0.55	98.83	0.62	0.10	0.074	0.038	31	87	53
				42024	143.45	144.65	1.20	98.89	0.70	0.21	0.043	0.014	53	67	29
			~60-70% Ca: 135.97-137.31	42025	144.65	146.00	1.35	98.87	0.64	0.01	0.037	0.008	26	46	21

DIAMOND DRILL LOG

A115

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-13

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			194.40-195.84: interlayered non-carb v.f.g. lt-gy lime grst and weakly to moderately carb c.g. lime wkst-pkst messy, bx'd and slightly sheared, bioclasts in c.g. wkst-pkst: crinoid ossicles, shells and shell frags, belemnites(?) last ~6cm: strongly bx'd with abundant yellow-brown sandy clay infill, variable angular clasts, (fault gouge?), ~10-20% Ca - strongly veined base marked at the start of 'clean' non-bx'd, non-carb, non-sheared limestone sharp but slightly irregular contact @ 50°-70° CA												
195.84	219.94	24.10	LIME MDST(?) TO OOID PKST-GRST	42068	195.86	197.37	1.51	98.93	0.57	0.13	0.052	0.022	38	41	21
			lt- to med-gy and med- to dk-brownish-gy, homogeneous overall, ooid-rich intervals vs non- or inevent ooid intervals is ~50-50%, the mdst does NOT have a grainy appearance but ooids could be cryptic - suspect large ooid-rich unit, variety of other minor fossils: crinoid ossicles (rounded and lesser star-shaped), stick-like clasts (bryozoans/plant material?), small crinoid stems; large horizons of entirely white crystalline calcite - highly irregular and variably oriented contacts with surrounding rock, Ca sections commonly have bx'd appearance or consists of large crystals grouped together, other than abundant Ca horizons there are nearly no Ca veinlets <5% - v.minor up to 2cm @ shallow angles CA; minor localized v.weakly disseminated dolomite and dolo mottles (related to bioturbation and secondary associated with surficial weathering)	42069	197.37	198.66	1.29	98.85	0.52	0.15	0.054	0.013	50	39	20
			grouped ~½cm-1cm diameter rounded bioclasts, cannot see internal structure but suspect corals or strom fingers: 198.20-198.30	42070	198.66	200.04	1.38	98.89	0.53	0.01	0.026	0.017	27	50	15
			mottled appearance - bioturbated: 198.72--199.18	42071	200.04	200.61	0.57	95.92	3.27	0.02	0.041	0.009	28	<30	21
			moderately carbonaceous med-gy w/dk-gy dolomitic stringers, bioturbated?: 200.08--200.62	42072	200.61	201.93	1.32	93.40	5.37	0.05	0.061	0.019	36	39	23
			minor dolomitic stringers continue to ~201.50	42073	201.93	202.96	1.03	99.14	0.53	0.13	0.048	0.008	48	44	16
			bioturbated ooid pkst - not entirely certain they are ooids but visible blk v.f.g. in mottled med- to dk-brownish-gy lime mud matrix: 200.62-203.88	42074	202.96	203.67	0.71	99.08	0.48	0.06	0.028	0.011	28	<30	15
			v.c.g. strom lime pkst (bdst?) with strom fingers and mats & corals: 203.88-204.10	42075	203.67	204.05	0.38	99.26	0.44	0.01	0.024	0.006	38	33	14
			mottled (bioturbated) ooid lime grst: 210.54-210.82	42076	204.05	204.43	0.38	98.98	0.42	0.03	0.035	0.012	20	35	27
			ooid grst with abundant Ca: 211.03--212.90	42077	204.43	206.28	1.85	99.02	0.50	0.11	0.039	0.010	48	41	48
			large horizons of entirely white crystalline calcite: 204.43-220.32	42078	206.28	207.28	1.00	99.00	0.54	0.07	0.044	0.055	38	79	36
			~50% Ca overall, locally >95% up to 1.75m, =large veins, not porosity fill	42079	207.28	208.12	0.84	98.54	0.48	0.04	0.042	0.017	26	61	37
			puzzle bx with strong fine spidery Ca veinlets, intensity varies: ~212.90-219.94	42080	208.12	209.11	0.99	98.70	0.48	0.11	0.058	0.011	41	43	22
			strong orange clay along fracture surfaces: 213.37-214.60, 217.05-218.29, other minor nearly no surficial weathering above 209.86	42081	209.11	209.86	0.75	96.16	3.24	0.15	0.030	0.018	43	54	41
			dolomdst and large Ca veins; dolomdst is pinkish-gy, abundant irregular microfractures: 209.86-210.05	42082	209.86	210.55	0.69	93.35	5.55	0.28	0.048	0.285	32	326	58
			dolomitic pinkish-gy, hematite-stained, minor vuggy with clear Ca crystals, stylolitic irregular but sharp lower contact with non-stained rock @ 55°-60°CA: 210.41-210.54	42083	210.55	211.36	0.81	98.61	0.57	0.11	0.034	0.013	38	48	37
			strongly dolomitic rock, pinkish-gy, secondary dolo associated with surficial weathering, indeterminate host rock, abundant Ca veins: 218.51-219.78	42084	211.36	212.10	0.74	98.61	0.50	0.27	0.020	0.015	49	60	22
			dolomitic horizons may not be obvious in assays due to abundant calcite present	42085	212.10	212.86	0.76	98.96	0.57	0.18	0.033	0.026	27	76	54
			base marked at the appearance of carbonaceous rock	42086	212.86	214.66	1.80	96.64	0.80	1.21	0.262	0.559	49	869	54
			contact ambiguous due to presence of large Ca vein - placed at the first appearance of	42087	214.66	215.75	1.09	98.76	0.52	0.29	0.044	0.053	47	81	33
				42088	215.75	217.00	1.25	98.82	0.52	0.48	0.060	0.023	51	66	51
				42089	217.00	217.44	0.44	98.50	0.58	0.34	0.086	0.094	36	148	53
				42090	217.44	218.50	1.06	98.35	0.60	0.31	0.096	0.122	27	189	48
				42091	218.50	219.77	1.27	98.18	1.14	0.21	0.059	0.051	34	64	51

DIAMOND DRILL LOG

A117

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-13

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			sharp pinkish-orange stylolite contact, avg ~60° CA												
243.84	245.58	1.74	C.G. SHELL-CORAL DOLOMITIC LIME WKST	44011	243.88	244.52	0.64	98.10	1.27	0.20	0.062	0.039	45	67	25
			white crystalline Ca bioclasts in dk-gy lime mud to f.g. mud-rich lime pkst matrix, internal structure of bioclasts no visible due to Ca - from shapes and character suspect they are shells and/or corals with some visible crinoid ossicles in matrix	44012	244.52	245.59	1.07	92.83	6.59	0.17	0.039	0.043	48	58	27
			minor dolomitic bands and fine dolomud along microfractures and edges of c.g. bioclasts (v.thin dolo halo - likely diagenetic): 244.53-245.58												
			base marked at the disappearance of c.g. bioclasts, color change from dk-gy to lt-gy sharp but slightly fractured and offset contact, unfractured portion: -perp CA, stratigraphic												
245.58	250.39	4.81	LIME MDST TO F.G. LIME PKST F.U.C.'S	44013	245.59	246.99	1.40	97.88	1.22	0.02	0.034	0.011	28	<30	16
			med- to dk-brownish-gy, homogeneous, indescrpt, grains too f.g. to recognize, nearly no Ca v.minor fine veinlets, calcareous, v.weak disseminated dolomite - inconsistent, not related to cycle tops/bases	44014	246.99	248.07	1.08	98.68	0.82	0.04	0.035	0.022	32	<30	19
				44015	248.07	249.22	1.15	98.60	0.68	0.25	0.034	0.012	63	36	16
				44016	249.22	249.58	0.36	98.57	0.76	0.12	0.032	0.014	43	47	16
				44017	249.58	250.45	0.87	98.43	0.77	0.05	0.050	0.027	38	54	19
			F.U.C.'s: 245.58-248.14 (stylolitic moderately carb base @ 80-90 CA), -249.23 (stylo base @ -perp CA), -250.39 (only mdst top, v.dk-gy)												
			base marked at the appearance of c.g. fossils and bioturbation textures sharp, slightly wavy contact @ 67°-77° CA (=bedding)												
250.39	257.68	7.29	BIOTURBATED SLIGHTLY DOLOMITIC LIME MDST TO C.G. SLIGHTLY DOLOMITIC CLAST-RICH LIME WKST AND MINOR SLIGHTLY DOLOMITIC LIME BDST	44018	250.45	250.88	0.43	89.43	9.87	0.23	0.045	0.042	53	94	27
			mottled appearance throughout - bioturbated, bird's eye texture, med- to dk-gy with minor lt-brownish-gy (slightly bleached), heterogeneous, mud-rich overall, nearly no Ca, v.minor fine veinlets, variety of bioclasts: majority crinoid ossicles and stems, shells and shell frags, small corals (<1/2cm blebs)	44019	250.88	252.78	1.90	83.15	15.54	0.35	0.078	0.139	69	227	26
				44020	252.78	253.86	1.08	93.40	5.53	0.10	0.045	0.048	68	105	19
				44021	253.86	254.89	1.03	85.05	13.94	0.17	0.052	0.074	52	135	24
				44022	254.89	256.16	1.27	94.92	4.26	0.29	0.070	0.082	64	235	20
				44023	256.16	257.68	1.52	90.47	8.92	0.22	0.028	0.041	75	93	21
			finely disseminated dolomite throughout with strongly dolomud beds up to 3cm, mottles, stringers, and common dolo-rich bioclast-haloes/edges; mottled and irregular dolomud mottles is distinctive - due to bioturbation? Or bound mud?												
			1cm white crystalline Ca vein @ 5°-10° CA: 253.60												
			bedding: perp @ 250.76 (sediment-fill in shells, consistent orientation)												
			base marked at the return to consistently f.g. limestone and the appearance of oncolites sharp slightly wavy contact @ -85° CA (=bedding)												
257.68	270.43	12.75	V.F.G. MUD-RICH PKST TO F.G. SLIGHTLY DOLOMITIC TO DOLOMITIC LIME GRST	44024	257.68	257.99	0.31	92.39	6.54	0.33	0.033	0.025	72	91	21
			F.U.C.'S	44025	257.99	259.01	1.02	90.86	8.50	0.27	0.045	0.042	62	137	22
			med-gy and med-brownish-gy, homogeneous in gross overall aspect, consistently v.f.g.-f.g., v.minor m.g., nearly no calcite - v.minor fine veinlets, bioclasts variable: oncolites in top ~40 cm of interval, small crinoid ossicles throughout (most common), rare shell/shell frag	44026	259.01	259.64	0.63	80.68	18.29	0.41	0.052	0.053	103	162	28
				44027	259.64	260.67	1.03	72.63	26.56	0.05	0.034	0.033	86	54	29
				44028	260.67	260.82	0.15	95.88	3.46	0.07	0.038	0.031	53	33	21
				44029	260.82	261.81	0.99	83.73	15.02	0.09	0.071	0.049	61	78	34
			dolomite content is variable, majority weakly to moderately dolomitic as disseminated mud and f.g. clasts; dolomite abundance appears higher in cycle bases	44030	261.81	263.29	1.48	97.69	1.36	0.23	0.075	0.039	79	119	27
				44031	263.29	264.30	1.01	92.75	6.35	0.22	0.156	0.110	60	284	37

DIAMOND DRILL LOG

A119

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-13

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
280.72	283.97	3.25	WEAKLY CARBONACEOUS SLIGHTLY DOLOMITIC LIME BDST dk-gy to v.dk-gy, common bird's eye texture, v.poorly sorted, v.f.g.-v.c.g., minor <5% Ca as porosity fill (small scale up to 2cm irregular mottles), weakly fractured, the interval consists of more bound wkst and pkst (~70%) than the binding component (corals and lesser stroms), bioclast-rich: crinoid ossicles most abundant, corals, strom mats (no visible internal struct but typical character), shells and shell frags minor dolomite present as v.finely disseminations and lesser moderately dolomitic stringers and small mottles, rare dolo-rich intraclast, occasionally v.fine dolo edging on c.g. bioclasts - most common around shells and corals base marked at the return to consistently f.g. rocks sharp stylolitic contact, slightly wavy @ ~86° to perp CA, stratigraphic	44044	280.79	282.39	1.60	98.13	1.42	0.06	0.088	0.033	46	109	38
				44045	282.39	283.98	1.59	95.37	3.37	0.22	0.068	0.053	97	167	39
283.97	300.45	16.48	WEAKLY CARBONACEOUS LIME MDST TO F.G. LIME PKST-GRST dk-gy (v.dk-gy etched), homogeneous!, minor dk-brownish-gy, overall v.f.g.-f.g. interval, minor c.g. at occasional cycle base, minor fine blk carb stylolites, nearly no Ca, v.minor fine veinlets, weakly fractured, faint slightly darker bands (thin, up to ~2mm) throughout - likely enhanced by drilling but likely ~representative of bedding (~perp throughout), bioclastic but majority too fine-grained to identify, occasionally visible in cycle bases: shells, crinoid ossicles (v.minor overall), large gastropod @ ~296.60 (~2½cm w. x-sec), commonly ooid-rich v.weak v.finely disseminated dolomite F.U.C.'s (commonly faint): 283.97-284.10, -284.53, -284.86, -285.12, -285.86, -287.63, -289.06, -290.22, -292.21, -294.94, -295.85, -295.97, -296.65, -297.20, -end (mottled appearance, bioturbated?) base marked at the appearance of reefal textures sharp contact, carb-rich, sooty @ 77° CA	44046	283.98	284.87	0.89	96.19	2.20	0.77	0.150	0.196	95	577	36
				44047	284.87	286.65	1.78	96.52	1.70	0.65	0.150	0.181	69	565	26
				44048	286.65	287.64	0.99	96.51	1.56	0.52	0.114	0.135	86	425	24
				44049	287.64	289.05	1.41	97.44	1.35	0.56	0.083	0.131	63	403	21
				44050	289.05	290.20	1.15	96.18	1.59	1.03	0.158	0.274	79	868	26
				44051	290.20	292.20	2.00	93.06	5.31	0.41	0.178	0.194	75	569	42
				44052	292.20	293.78	1.58	98.27	0.91	0.22	0.134	0.088	63	240	34
				44053	293.78	294.99	1.21	98.13	0.78	0.18	0.105	0.075	61	223	28
				44054	294.99	296.02	1.03	97.67	1.04	0.33	0.132	0.167	63	436	31
				44055	296.02	297.21	1.19	96.23	1.33	1.02	0.253	0.434	70	1298	46
300.45	358.05	57.60	V.C.G. STROM-CORAL LIME BOUNDSTONE AND BAFFLESTONE WITH MINOR ASSOCIATED F.G. TO V.C.G. LIME PKSTS med- to dk-gy, generally homogeneous color with minor v.dk-gy weakly carbonaceous horizons, v.poorly sorted, f.g.-v.c.g., ~5% Ca overall as bioclasts, porosity infill (rounded edges, irregular masses) and minor fine veinlets - locally 20%, reefal textures: bird's eye and porosity infill strongly bioclastic - highly variable: crinoid ossicles & stems (some lg stems up to ~1½ w x 3cm l.), corals, shells and shell frags (gastro, brach and lesser bivalve), stroms (mats in place, bulbous, frags), belemnites, bryozoan(?), solitary rugose and colonial corals = REEFAL VILLAGE nearly entirely calcareous, v.minor dolomite as stringers and rare dolo-rich clasts - often appears to be associated with carbonaceous horizons but not always carbonaceous horizons: 302.45-303.40 (~20% mod carb, blotchy - looks like fill-in mud), 307.50-307.71 (carb stylos), 308.12-308.55 (stylos - minor but distinctly different from surrounding irregular carb band, 2mm-2½cm @ ~35° CA), 317.11-317.31 (strong carb mud stringers - irregular, ~½cm w.), 321.89-322.18 (stringers and mottles ~25%), 340.67-341.13	44056	297.21	298.23	1.02	97.02	1.27	0.66	0.178	0.319	68	873	36
				44057	298.23	299.28	1.05	96.93	1.13	0.85	0.138	0.234	68	718	31
				44058	299.28	300.45	1.17	94.74	2.26	1.16	0.206	0.346	77	1087	37
				44059	300.45	300.94	0.49	97.38	0.94	0.48	0.044	0.051	76	161	36
				44060	300.94	302.44	1.50	98.50	0.86	0.16	0.050	0.026	58	95	37
				44061	302.44	303.41	0.97	97.11	1.53	0.44	0.077	0.195	73	613	46
				44062	303.41	304.11	0.70	98.53	0.90	0.13	0.046	0.068	62	219	39
				44063	304.11	304.97	0.86	97.80	0.80	0.33	0.082	0.160	66	485	42
				44064	304.97	306.80	1.83	98.71	0.86	0.08	0.047	0.038	69	130	38
				44065	306.80	307.49	0.69	98.52	0.95	0.11	0.056	0.048	63	145	34
44066	307.49	308.63	1.14	97.69	1.04	0.24	0.088	0.111	64	265	39				
44067	308.63	309.74	1.11	98.05	0.84	0.13	0.033	0.064	61	187	36				
44068	309.74	311.51	1.77	98.27	0.75	0.06	0.039	0.026	48	82	35				
44069	311.51	313.03	1.52	98.54	0.78	0.31	0.060	0.035	71	127	39				
44070	313.03	314.21	1.18	98.32	0.78	0.17	0.020	0.025	63	81	33				
44071	314.21	315.83	1.62	98.47	0.73	0.12	0.027	0.027	59	93	37				
44072	315.83	317.09	1.26	98.37	0.70	0.06	0.034	0.026	45	80	36				
44073	317.09	317.28	0.19	96.24	0.67	0.09	0.086	0.030	27	77	36				
44074	317.28	318.53	1.25	98.28	0.83	0.39	0.073	0.023	91	80	46				
44075	318.53	319.96	1.43	98.83	0.71	0.01	0.046	0.021	55	63	39				
44076	319.96	321.61	1.65	98.80	0.70	0.09	0.037	0.021	57	92	37				
44077	321.61	322.83	1.22	97.38	2.06	0.17	0.058	0.022	58	60	40				

DIAMOND DRILL LOG

A121

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-13

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			361.28-363.74 (71°, 69°), 365.06-365.37 (55°-62° - wavy, avg 65° - wavy, crumbly)												
			intervals marked out for sampling with sooty carb-rich mdst interbeds: 363.13-363.73 (1-3½cm w., only ~10-20% of rock), 365.06-365.37 (<1cm, wavy, irreg, ~20%)												
			base marked at the return to bdst, carb horizons continue but not as consistent or frequent abrupt but no sharp contact, stratigraphically continuous												
365.37	370.33	4.96	CARBONACEOUS DOLOMITIC LIME BOUNDSTONE	44120	365.37	366.60	1.23	97.51	1.74	0.29	0.109	0.065	65	140	43
			lt-gy to v.dk-gy, weakly to mod carb, messy, irregular mottles, bird's eye texture, inconsistent, variable, poorly sorted, f.g. to v.c.g., ~10% Ca as fossils and porosity fill, bioclast-rich but also ~20% bound mud, variable bioclasts: corals, shells and shell frags, crinoid ossicles and stems, strom (mats & bulbous); no dependable bedding	44121	366.60	367.47	0.87	87.85	11.11	0.43	0.117	0.185	67	376	49
				44122	367.47	369.09	1.62	93.41	5.94	0.15	0.108	0.068	51	209	48
				44123	369.09	370.31	1.22	96.78	2.63	0.13	0.084	0.042	56	132	38
			dolomite presence variable but throughout as finely disseminated (majority), random strongly dolo beds up to ~3cm and bound dolomud												
			base marked at the return to pksts contact abrupt, stylolitic and irregular at ~45°-50° CA												
370.33	378.77	8.44	same as '358.05-365.37'	44124	370.31	371.06	0.75	95.46	3.87	0.20	0.082	0.076	49	201	36
			overall darker, more carbonaceous, overall finer-grained but still c.g. bioclasts near end of interval and cycle bases, nearly no Ca, fining upwards cycles present but cut off by interlayers	44125	371.06	371.39	0.33	85.75	12.70	0.38	0.125	0.149	86	348	50
				44126	371.39	373.18	1.79	97.23	2.12	0.22	0.074	0.072	45	74	39
				44127	373.18	373.69	0.51	93.96	4.58	0.46	0.105	0.167	72	338	37
			blocky well fractured interval: 376.47-377.04	44128	373.69	374.45	0.76	96.41	2.93	0.24	0.075	0.074	55	145	36
				44129	374.45	375.34	0.89	77.65	17.95	2.12	0.526	0.892	129	2063	58
			carbonaceous horizons (upper & lower contacts noted): 370.33-370.53 (mod carb overall, stylo contacts, lower @ ~70), 370.57 (2cm, 47), 370.67 (2cm, 67, 85), 370.91-370.96 (85, 75), 371.07-371.40 (~perp, 65; ~20% interbeds - separated out for sampling), 372.25-372.29 (mod carb bed, ~85, ~perp), 372.33-372.37 (mdst interbed, perp, 75), 373.17-373.24 (85, ~perp, ~50% interbeds), 373.60-373.69 (52, 59, ~80% carb-rich interbeds), 374.45-374.94 (73, 72, ~50% interbeds), 375.13-375.37 (86, 70, ~80% interbeds), 375.95-376.07 (overall mod carb, ~perp, 75), 377.41-377.74 (~30% interbeds, sampled out), 378.04-378.34 (overall mod with carb-rich stylos)	44130	375.34	376.15	0.81	95.68	3.36	0.21	0.089	0.079	50	188	35
				44131	376.15	377.31	1.16	96.65	2.56	0.07	0.073	0.021	45	63	34
				44132	377.31	377.74	0.43	89.12	7.77	1.04	0.201	0.395	81	813	34
				44133	377.74	378.77	1.03	93.89	5.14	0.16	0.061	0.050	62	137	32
			base marked at the return to bdst sharp stylo contact @ ~70° CA												
378.77	382.07	3.30	LIME BDST	44134	378.77	380.43	1.66	98.76	0.73	0.12	0.057	0.015	44	65	35
			same as '365.77-370.33' but noticeably less dolomite - only v.minor v.finely dissem dolo	44135	380.43	382.00	1.57	99.10	0.66	0.02	0.021	0.008	52	38	30
			base marked at the return to pksts gradational stratigraphic contact, abrupt over ~3cm												
382.07	386.01	3.94	CARBONACEOUS F.G. TO C.G. SLIGHTLY DOLOMITIC LIME PKST F.U.C.'S WITH MINOR THIN MDST INTERBEDS	44136	382.00	383.13	1.13	94.16	4.64	0.11	0.035	0.034	41	103	30
			dk- to v.dk-gy, weakly to moderately carbonaceous, minor strongly carb bands (mm-scale up to ~½cm), bioclast-rich: shells & shell frags (brachs and bivalves), crinoids, carb flecks, majority too f.g. to identify; dolomite present as moderate disseminations and minor dolo-rich beds	44137	383.13	384.35	1.22	92.29	6.18	0.21	0.093	0.100	44	316	35
				44138	384.35	386.02	1.67	88.58	9.69	0.63	0.169	0.234	63	656	43

DIAMOND DRILL LOG

A123

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-14

Dip Tests

Depth Angle

Claim: *PAT* **Co-ordinates (UTM, NAD 83)**
Bearing: *0* **Easting:** *547097.1*
Inclination: *-60* **Northing:** *5989325.4*
Province: *BC* **Elevation:** *707.5 m*

Date Started: *Oct. 10/07*
Date Finished: *Oct. 16/07*
Date Logged: *Oct. 11-17/07*
Logged By: *J. Tanton*

Core Size: *NQ*
Casing: *21.64 m*
Total Depth: *331.32 m*

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	21.64	21.64	CASING: Overburden. 0.90=ground												
21.64	25.30	3.66	MOTTLED AND BLEACHED LIME PACKSTONE It- to med-gy and brownish-gy, bleaching increases down hole - associated with the abundance of Ca veining, mottling may be due to the presence of mats but appears more likely bioturbation due to the character - can see grains in mottles but no mat textures, weak surficial staining along fracture surfaces - It-yellow-orange and bright orange, moderately fractured - variable, less fractured than expected at start of hole, ~10-15% Ca overall as milky white veinlets - spidery and random, locally 50 % Ca, fossils v.difficult to identify in lower half of interval due to stronger bleaching, where visible the rock is bioclast-rich: majority crinoids, small rounded grains (likely ooids/pellets), minor shells and shell frags, rare coral (?), cannot see internal structure), minor carbon flecks limey throughout base marked at the start of carbonaceous, non-bleached rock stylolitic contact - carbon-rich and wavy @ ~78°-83° CA	44154	21.64	23.29	1.65	98.13	0.60	0.35	0.069	0.045	33	93	42
				44155	23.29	24.09	0.80	98.03	0.63	0.17	0.059	0.065	44	166	40
				44156	24.09	25.25	1.16	98.34	0.62	0.11	0.077	0.046	34	134	46
25.30	45.93	20.63	SHEARED AND BRECCIATED CARBONACEOUS SLIGHTLY TO STRONGLY DOLOMITIC LIMESTONE med- to dk-gy, blk bands, weakly to moderately carbonaceous with strongly carb bands - the strongly carb is likely sheared mdst interbeds (messy, wavy and inconsistent orientations), the limestone is indeterminate due to shearing and bx'ion - mdst appearance but occasionally granular texture (v.f.g. grst?), overall strongly stylolitic - blk and carbon-rich, strong Ca related to structure - commonly sheared and bx'd, ~20-30% Ca overall - locally 50-60% (puzzle bx), visible ooid grst horizons - mottles, irregular, inconsistent; not obvious as to whether interval is cyclic or interbedded - cryptic due to shearing majority of interval is slightly dolomitic - dolomitic lime and dolomdst, tried to break horizons out for sampling but v. in & out; the wavy blk sooty bands are strongly dolomitic - suspect silty as well; noticeably carbon-rich horizons ~20% overall rounded blebs <1cm diameter (likely corals - short bdst horizon): 25.53-23.57 ooid grst (~30%): 36.81-39.62 bleached lmst horizon with strong Ca veining ~50%: 44.47-45.05 abrupt but gradational upper contact, stylolitic but sharp lower contact @ ~35° base marked at end of bx & shearing textures and start of 'clean' consistently v.f.g. rock abrupt contact but a bit ambiguous - some weak shearing for ~12cm into next interval	44157	25.25	26.62	1.37	95.22	2.80	0.93	0.117	0.302	91	736	31
				44158	26.62	27.23	0.61	91.81	5.79	1.05	0.076	0.169	39	362	36
				44159	27.23	28.00	0.77	90.49	3.57	0.70	0.135	0.320	47	650	42
				44160	28.00	29.00	1.00	86.21	10.91	0.88	0.121	0.198	53	375	28
				44161	29.00	29.57	0.57	86.20	12.10	1.13	0.112	0.056	41	164	23
				44162	29.57	30.61	1.04	93.74	4.04	0.92	0.158	0.076	32	221	26
				44163	30.61	31.05	0.44	70.30	18.96	5.89	0.304	0.990	118	2498	70
				44164	31.05	31.53	0.48	95.28	2.38	0.79	0.101	0.080	42	205	23
				44165	31.53	32.61	1.08	88.43	5.69	2.54	0.192	0.644	65	1662	38
				44166	32.61	34.09	1.48	93.78	2.93	1.76	0.136	0.288	52	763	33
				44167	34.09	35.30	1.21	93.68	1.77	1.25	0.159	0.378	43	956	29
				44168	35.30	36.78	1.48	89.78	6.54	1.71	0.119	0.305	52	737	34
				44169	36.78	38.33	1.55	98.78	0.67	0.04	0.061	0.012	32	56	21
				44170	38.33	39.62	1.29	98.55	0.64	0.09	0.069	0.238	24	58	22
				44171	39.62	40.44	0.82	98.04	0.79	0.47	0.036	0.036	<20	85	13
				44172	40.44	41.36	0.92	76.99	16.38	3.69	0.353	0.680	71	1621	69
				44173	41.36	42.38	1.02	86.44	2.96	4.97	0.399	1.389	102	3441	71
				44174	42.38	43.47	1.09	97.88	0.69	0.35	0.062	0.064	31	175	19
				44175	43.47	44.50	1.03	94.84	2.41	0.98	0.173	0.473	31	1190	42
				44176	44.50	45.04	0.54	98.51	0.79	0.20	0.036	0.055	20	137	15
				44177	45.04	45.92	0.88	98.37	0.65	0.53	0.032	0.040	27	90	21
45.93	98.00	52.07	LIME MDST TO V.F.G. LIMESTONE It- to med-gy, brownish-gy etched, homogeneous, generally indescrpt, majority looks like mdst but often granular texture (v.f.g. pkst/grst), overall minor Ca as fine veinlets ~5-10%, minor short horizons with abundant milky white Ca - max ~25cm l. up to 80% Ca, majority	44178	45.92	46.26	0.34	97.84	0.57	0.56	0.033	0.028	35	53	20
				44179	46.26	47.37	1.11	98.32	0.59	0.68	0.029	0.031	55	86	20
				44180	47.37	48.83	1.46	97.95	1.25	0.28	0.047	0.069	25	185	17

DIAMOND DRILL LOG

A124

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-14

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			of bioclasts too fine-grained to identify or classify litho, rarely visible <2mm crinoid ossicle and minor carbon flecks, small rounded grains occasionally visible after ~81m but cannot determine whether they are ooids/pellets (suspect ooids); if there are cycles they are cryptic, grain size appears to coarsen downwards but the change is v.slight and the rock remains v.f.g. throughout - lime mdst component decreases and grains become more distinguishable	44181	48.83	49.13	0.30	98.65	0.60	0.20	0.047	0.041	<20	85	13
				44182	49.13	49.46	0.33	98.26	1.21	0.12	0.057	0.034	26	73	14
				44183	49.46	50.66	1.20	97.36	1.52	0.17	0.119	0.043	31	120	24
				44184	50.66	51.43	0.77	97.07	1.54	0.66	0.119	0.103	36	268	43
				44185	51.43	52.35	0.92	98.57	0.60	0.15	0.075	0.065	<20	139	29
				44186	52.35	53.95	1.60	98.76	0.53	0.04	0.049	0.023	<20	<30	21
			visible bioclast horizons: 45.93-46.27 (ooid lime grst), 49.15-49.48 (mud-rich lime wkst with lg up to 1cm rings - crinoid ossicles/shells)	44187	53.95	55.65	1.70	98.86	0.54	0.04	0.026	0.021	<20	<30	21
				44188	55.65	55.91	0.26	98.88	0.58	0.09	0.030	0.027	<20	42	19
				44189	55.91	57.14	1.23	98.82	0.54	0.05	0.034	0.041	<20	33	17
			bleached horizons: 48.85-49.15, 50.38-50.46, 50.51-50.65 generally sharp/abrupt contacts @ 65°-80° CA	44190	57.14	57.49	0.35	98.59	0.57	0.32	0.023	0.025	<20	39	15
				44191	57.49	59.03	1.54	98.99	0.53	0.08	0.034	0.041	<20	<30	16
				44192	59.03	60.52	1.49	98.80	0.75	0.05	0.021	0.016	26	<30	9
			limy throughout except laminated (well-bedded) horizon with slightly disseminated dolomitic lime beds (generally <1/2cm w.): 50.65-51.48	44193	60.52	61.58	1.06	98.69	0.82	0.15	0.038	0.010	24	<30	9
			bedding throughout horizon is 65°-75° CA - no other bedding indicators noted in interval	44194	61.58	62.97	1.39	98.66	0.58	0.35	0.031	0.008	31	39	8
				44195	62.97	64.29	1.32	98.84	0.55	0.21	0.036	0.010	28	<30	12
				44196	64.29	65.90	1.61	98.65	0.56	0.15	0.053	0.011	25	<30	16
			rubbly horizons (suspected lost core so bases likely inaccurate/approximate): 51.87--52.07, 54.65--54.76, ~55.47-55.82, 57.20--57.42	44197	65.90	67.35	1.45	98.49	0.53	0.48	0.087	0.027	31	39	26
			minor surficial staining on fracture surfaces - bright orange and yellow-orange	44198	67.35	68.57	1.22	97.99	0.57	0.70	0.058	0.127	46	124	28
				44199	68.57	69.99	1.42	98.78	0.54	0.25	0.067	0.021	32	<30	28
				44200	69.99	70.99	1.00	98.34	0.55	0.30	0.063	0.024	33	31	26
			weakly carbonaceous horizon (v.dk-gy etched): ~59.03 (gradational)-61.58 (slightly wavy but sharp contact @ ~60°-68° CA)	44201	70.99	72.24	1.25	98.77	0.57	0.08	0.050	0.033	22	68	20
			finely disseminated dolomite throughout	44202	72.24	73.74	1.50	98.75	0.58	0.07	0.041	0.034	<20	60	23
				44203	73.74	74.94	1.20	98.25	0.56	0.55	0.061	0.064	30	105	25
				44204	74.94	76.18	1.24	98.69	0.56	0.23	0.074	0.048	27	72	25
			fractured horizons with surficial clay (blocky and rubbly): 66.48-68.57, after ~79.60: presence of weak to mod surficial clay along fract surfaces becomes very common - accompanied by minor surficial stylos/stringers, ~30-50% rubbly/well fractured	44205	76.18	77.32	1.14	97.78	0.55	0.73	0.063	0.029	48	46	22
			Ca abundance also increases to ~10-20% overall after 79.60	44206	77.32	78.33	1.01	98.27	0.57	0.22	0.068	0.023	27	<30	23
				44207	78.33	79.61	1.28	98.78	0.58	0.10	0.062	0.027	22	49	27
				44208	79.61	80.80	1.19	98.35	0.58	0.38	0.104	0.093	24	141	41
				44209	80.80	82.07	1.27	98.52	0.61	0.05	0.074	0.029	<20	34	32
			base marked at start of bleached lmst, sharp contact @ 40°-45° CA	44210	82.07	82.74	0.67	98.75	0.63	0.10	0.089	0.046	<20	68	35
				44211	82.74	84.43	1.69	98.67	0.76	0.15	0.063	0.037	20	47	30
				44212	84.43	85.72	1.29	97.16	0.71	0.69	0.145	0.453	20	571	38
				44213	85.72	87.13	1.41	98.29	0.60	0.30	0.078	0.124	21	195	20
				44214	87.13	87.95	0.82	98.38	0.61	0.23	0.072	0.260	20	138	37
				44215	87.95	89.49	1.54	98.45	0.62	0.26	0.062	0.115	<20	171	29
				44216	89.49	90.70	1.21	98.68	0.62	0.11	0.053	0.052	<20	78	22
				44217	90.70	91.84	1.14	96.92	0.62	0.61	0.084	0.156	40	281	21
				44218	91.84	93.57	1.73	98.73	0.57	0.12	0.040	0.024	<20	42	15
				44219	93.57	94.40	0.83	98.43	0.59	0.44	0.070	0.076	25	127	32
				44220	94.40	95.51	1.11	98.97	0.57	0.10	0.031	0.049	<20	74	21
				44221	95.51	96.62	1.11	98.54	0.57	0.37	0.055	0.062	<20	100	24
				44222	96.62	97.96	1.34	98.58	0.64	0.28	0.081	0.093	<20	154	41
98.00	100.34	2.34	BLEACHED LIMESTONE	44223	97.96	98.97	1.01	97.79	0.73	0.31	0.245	0.153	<20	348	59
			abundant calcite, abundant hematite and orange surficial stylolites, v.strongly bleached, pinkish-orangish white color, surficial staining along fractures, host rock indeterminate	44224	98.97	99.55	0.58	97.97	0.74	0.17	0.183	0.092	<20	175	42
				44225	99.55	100.33	0.78	91.48	5.82	1.08	0.249	0.392	43	773	60
			base marked at the start of carbonaceous rock, abrupt but irregular contact												
100.34	100.92	0.58	CARBONACEOUS BRECCIA	44226	100.33	100.90	0.57	71.46	26.38	0.85	0.223	0.486	95	853	64

DIAMOND DRILL LOG

A125

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-14

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			v.dk-gy, moderately carbonaceous, solution bx?, limestone indeterminate, poorly sorted, clasts mm-scale to ~5cm, strongly stylolitic - wavy, strongly dolomud mottles ~50%												
			base marked at the end of carb rock abrupt but irregular contact @ -75°-85° CA												
100.92	111.05	10.13	LIME MDST	44227	100.90	101.94	1.04	97.88	0.77	0.52	0.179	0.079	40	168	68
			med-gy, no grainy texture, homogeneous, indescrpt, weak but common surficial staining throughout - orange clay & hematite stringers, minor rubbly intervals, strong Ca veinlets throughout - spidery and weak puzzle bx; limey throughout	44228	101.94	103.03	1.09	98.30	0.65	0.38	0.215	0.097	34	222	69
				44229	103.03	104.16	1.13	97.92	0.69	0.49	0.153	0.204	27	517	99
				44230	104.16	105.65	1.49	98.47	0.61	0.37	0.077	0.076	26	144	52
				44231	105.65	107.10	1.45	98.69	0.56	0.08	0.044	0.032	<20	63	34
				44232	107.10	108.45	1.35	98.69	0.59	0.18	0.043	0.082	<20	144	46
				44233	108.45	110.16	1.71	98.43	0.69	0.26	0.082	0.108	26	251	32
				44234	110.16	111.02	0.86	97.71	0.73	0.56	0.128	0.246	22	444	44
111.05	122.34	11.29	BLEACHED LIMESTONE	44235	111.02	112.56	1.54	97.96	0.71	0.44	0.091	0.230	27	366	72
			gyish-white and pinkish-white, indeterminate host rock, abundant Ca and surficial staining - clay along fractures, stringers and strongly stylolitic	44236	112.56	114.91	2.35	96.90	0.94	0.77	0.143	0.340	21	590	74
				44237	114.91	116.28	1.37	97.31	0.99	0.49	0.123	0.202	<20	375	65
				44238	116.28	116.95	0.67	98.67	0.63	0.12	0.040	0.058	<20	102	36
			limey throughout except occasional strongly hematized horizons (dolomdst interval: ~120.35-120.68; strongly microfractured)	44239	116.95	117.64	0.69	98.72	0.71	0.12	0.069	0.054	<20	85	53
				44240	117.64	118.67	1.03	97.28	1.32	0.40	0.122	0.167	<20	232	107
				44241	118.67	119.23	0.56	98.92	0.66	0.12	0.035	0.056	<20	72	33
			well bx'd lmst but ~visible host rock (angular clasts <½cm): 116.12-116.71, 119.46-120.16	44242	119.23	120.17	0.94	97.92	0.67	0.26	0.060	0.113	<20	247	23
				44243	120.17	120.57	0.40	79.84	17.65	1.12	0.144	0.542	120	1245	57
			base marked at the end of the orangey-pink and start of consistently f.g. rock sharp contact @ 45°-50° CA	44244	120.57	122.38	1.81	94.22	1.81	1.67	0.260	0.770	40	1725	110
122.34	126.88	4.54	V.F.G. LIME GRST TO M.G. LIME PKST F.U.C.'S	44245	122.38	123.71	1.33	98.04	0.55	0.20	0.047	0.248	<20	162	46
			lt-gy, overall homogeneous, slightly bleached, well fractured ~50% rubble, minor Ca as veinlets <5%, moderate orange clay and limonite along fracture surfaces and fract infill, bioclast-rich but commonly too f.g. to identify - visible crinoid ossicles and small shell frags; limey throughout	44246	123.71	125.29	1.58	97.16	0.60	0.89	0.160	0.418	23	703	39
				44247	125.29	126.80	1.51	98.52	0.53	0.27	0.072	0.128	<20	202	38
			F.U.C.'s: 122.34-123.92, -124.42, -125.67, -126.88												
			base marked at the start of the unbleached consistently mud-rich rocks sharp contact @ 44° CA												
126.88	129.89	3.01	LIME MDST TO MUD-RICH LIME WKST	44248	126.80	128.11	1.31	98.51	0.52	0.33	0.068	0.122	28	243	42
			med-gy, med-brownish-gy etched, homogeneous, indescrpt - pristine mud appearance & smooth texture, nearly no Ca - v.minor v.fine veinlets and bioclasts, noticeably less fractured than above except rubbly intervals with moderate orange clay, v.minor bioclasts - gastros and small rounded clasts (crinoid ossicles?)	44249	128.11	129.83	1.72	98.80	0.57	0.12	0.053	0.049	26	122	21
			rubbly intervals: 126.90-127.00, 127.19--127.30, 127.70 (35cm core box l.)												
			base marked at the end of mdst and the appearance of bdst textures contact is abrupt but ambiguous over ~10cm												
129.89	143.34	13.45	CORAL LIME BOUNDSTONE (2A) WITH LIME PKST	44250	129.83	130.75	0.92	98.54	0.51	0.17	0.153	0.208	20	197	28
				44251	130.75	132.13	1.38	99.00	0.52	0.08	0.063	0.032	<20	71	11

DIAMOND DRILL LOG

A126

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-14

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			lt- to med-gy, generally mud-rich, some framestone, poorly sorted, v.f.g. to v.c.g., majority of interval ~10-20% Ca overall - veinlets up to 2cm wide and bioclast fill, generally v.weak surficial staining along fracture surfaces, bioclast-rich: commonly colonial corals, much lesser strom mats and fingers, crinoid ossicles, and minor shells & shell frags short intervals of pkst-grst: 132.91-133.31 (v.f.g.), 130.47--131.11 (like last interval - homo, smooth pristine mud) large Ca vein - jagged but sharp upper contact @ ~55° CA, rubbly lower contact: 136.13-136.65 moderately fractured: 136.13-138.02 base marked at the end of bdst and the start of consistent grst color grades in last ~1m from consistently med-gy matrix - lt-gy to lt-brownish-gy contact a bit ambiguous but abrupt over ~5cm	44252	132.13	133.31	1.18	98.71	0.60	0.11	0.028	0.082	24	98	12
				44253	133.31	134.56	1.25	98.99	0.53	0.04	0.045	0.017	<20	44	13
				44254	134.56	136.14	1.58	98.88	0.53	0.09	0.036	0.060	20	69	15
				44255	136.14	136.65	0.51	98.84	0.45	0.15	0.052	0.082	<20	102	27
				44256	136.65	138.06	1.41	97.86	0.57	0.53	0.106	0.208	1571	438	19
				44257	138.06	139.29	1.23	98.95	0.55	0.07	0.039	0.027	1266	70	13
				44258	139.29	140.53	1.24	98.68	0.57	0.14	0.039	0.203	24	108	17
				44259	140.53	142.08	1.55	98.84	0.55	0.14	0.035	0.030	<20	93	13
				44260	142.08	143.35	1.27	98.90	0.55	0.08	0.052	0.038	<20	93	16
143.34	145.68	2.34		F.G. TO M.G. LIME PKST-GRST	44261	143.35	144.74	1.39	98.55	0.61	0.08	0.059	0.034	<20	64
			lt-gy, lt-brownish-gy etched, homogeneous overall, grainy textures throughout, abundant rounded grains - suspect majority crinoid ossicles and maybe some ooids/pellets - some visible crinoid ossicles, minor surficial staining but throughout - lim, orange clay, hem as stringers and stain on fracture surfaces; ~10-20% Ca overall - locally up to 60-70%, no cycles evident - just slight variations in mud content (ie. Clast-rich pkst rather than grst) base marked at the end of granular rock and the start of mud-rich rock sharp contact @ 55° CA	44262	144.74	145.67	0.93	98.69	0.81	0.14	0.049	0.037	31	76	15
145.68	155.37	9.69	LIME MDST TO MUD-RICH LIME WKST	44263	145.67	146.99	1.32	98.85	0.64	0.16	0.052	0.080	<20	195	28
			lt-gy, lt-brown etched - distinct color and smooth appearance, generally indescrpt, detailed textures are commonly difficult to see (suspect the rock may be bleached even though it is obviously v.mud-rich), minor sections appear to be bdst - lt-brown "mats" in med-colored matrix, ~10-15% Ca overall as veinlets and fossil fill, weak to moderate surficial clay and staining along fractures throughout - commonly @ 45°-50°, bioclast-poor: some visible shell frags, solitary coral and crinoid ossicles base marked at the start of abundant orange clay sharp but ~crumbly contact @ 80°--perp CA, structural	44264	146.99	148.18	1.19	98.35	0.67	0.33	0.120	0.148	28	334	44
			44265	148.18	148.80	0.62	98.30	0.53	0.39	0.105	0.168	30	384	28	
			44266	148.80	150.12	1.32	98.21	0.67	0.30	0.059	0.165	32	358	26	
			44267	150.12	151.49	1.37	98.44	0.62	0.30	0.068	0.128	35	351	26	
			44268	151.49	152.85	1.36	98.47	0.62	0.35	0.057	0.155	28	354	26	
			44269	152.85	154.08	1.23	98.49	0.57	0.43	0.068	0.185	36	387	28	
			44270	154.08	155.36	1.28	98.75	0.60	0.24	0.059	0.116	22	246	27	
155.37	155.68	0.31	ORANGE CLAY! STRUCTURAL HORIZON												
			nearly all bright orange clay with minor small (<1/2cm) angular lmst clasts												
155.68	172.53	16.85	V.F.G TO M.G. LIME PKST WITH DOLOMITIC MOTTLES AND DOLOMDST HORIZONS	44271	155.70	156.27	0.57	98.30	0.62	0.47	0.079	0.150	29	305	39
			lt-gy and pinkish-gy with pink-orange mottles and minor med-gy, common surficial weathering throughout (present as minor to mod lim & orange clay fracture fill, orangey-pink bands and mottles, and lt-pinkish tinge stain), pkst host rock is quite homogeneous in character - it is the dolomite content and surficial staining abundance that varies, overall weakly fractured, fractures commonly irregular and angles are highly variable, minor vuggy with clear Ca crystals, moderate Ca veinlets ~10-20% overall and locally up to 70% - highly variable	44272	156.27	157.36	1.09	98.76	0.66	0.16	0.040	0.048	21	119	18
			44273	157.36	158.16	0.80	98.86	0.58	0.12	0.037	0.067	<20	113	22	
			44274	158.16	159.72	1.56	98.39	0.57	0.30	0.074	0.128	32	231	21	
			44275	159.72	161.02	1.30	98.53	0.59	0.25	0.095	0.105	<20	160	26	
			44276	161.02	162.57	1.55	98.47	0.80	0.24	0.047	0.084	30	173	17	
			44277	162.57	163.98	1.41	91.72	7.43	0.28	0.056	0.132	33	214	15	
			44278	163.98	164.40	0.42	98.08	0.79	0.49	0.100	0.205	20	367	17	
			44279	164.40	165.19	0.79	71.59	27.06	0.50	0.078	0.227	49	277	30	
			although the rock is generally f.g. and bioclasts commonly difficult to identify, the interval is bioclast-rich & grainy throughout; abundant rounded and sub-rounded grains - cannot see	44280	165.19	166.44	1.25	97.64	1.56	0.27	0.057	0.134	<20	184	15
			44281	166.44	166.76	0.32	87.25	11.32	0.38	0.109	0.181	53	271	37	

DIAMOND DRILL LOG

A128

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-14

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)	
			F.U.C.'s: 199.79-202.81, -205.03 (grades over last 43cm to ooid pkst at base - ooids are limonite-filled rounded blebs; dolomite content increases with grading - finely disseminated to dolomud in last ~3cm), =205.45													
			dolomud mottles (bioturbated?) - same litho as surrounding, ~25% dolomud: 205.45-206.00													
			base marked at the return to consistently f.g. rock continuous abrupt contact													
206.00	229.12	23.12	LIME MDST TO F.G. LIME PKST F.U.C.'S	44320	205.98	207.52	1.54	98.44	1.02	0.09	0.060	0.036	14	87	18	
			med-gy, homogeneous - other than variations in Ca and surficial weathering, v.f.g.-f.g. overall same as '172.53-199.79', host rock relatively indescrpt, other than abundant healed fractures overall weakly fractured - highly variable, bioclasts generally too f.g. to identify, visible bioclasts: crinoid ossicles, rare shell frag, occasionally visible ooid in grainy horizons but not ooid-rich; limey throughout	44321	207.52	209.25	1.73	98.60	0.69	0.20	0.084	0.093	21	188	11	
				44322	209.25	210.29	1.04	98.88	0.74	0.07	0.058	0.025	24	54	8	
				44323	210.29	211.74	1.45	98.81	0.64	0.13	0.073	0.057	<20	125	10	
				44324	211.74	213.64	1.90	98.76	0.58	0.19	0.074	0.063	23	162	15	
				44325	213.64	214.28	0.64	98.22	0.67	0.33	0.127	0.125	46	318	27	
				44326	214.28	215.38	1.10	97.59	0.97	0.62	0.146	0.222	56	352	34	
			F.U.C.'s: 206.00-209.25, -211.49, -213.72 (lg up to ~1½cm Ca blebs in last 10cm - corals?), -224.04, 226.78, -end	44327	215.38	216.71	1.33	98.85	0.63	0.12	0.039	0.050	<20	75	20	
				44328	216.71	217.58	0.87	97.82	1.07	0.49	0.069	0.172	<20	80	28	
				44329	217.58	218.85	1.27	98.01	0.89	0.47	0.096	0.171	20	266	30	
			minor but lg Ca veins up to 2½cm w. - sharp at 10-25 CA: 206.00-215.38	44330	218.85	219.93	1.08	98.14	0.78	0.43	0.103	0.170	30	310	27	
			~20% Ca overall - noticeably more than surrounding, highly variable and irregular, spidery, puzzle bx: 215.38-220.80	44331	219.93	220.76	0.83	97.86	0.73	0.56	0.129	0.242	30	483	33	
			variable & spidery veinlets ~5-10%: 220.80-end	44332	220.76	222.61	1.85	98.38	0.63	0.37	0.115	0.162	46	407	27	
			other than 227.04-227.67: ~90% Ca with surficial stringer; irregular upper contact, sharp lower contact @ 20°	44333	222.61	224.09	1.48	96.44	0.78	1.12	0.279	0.525	28	1177	77	
				44334	224.09	225.65	1.56	96.18	0.80	1.37	0.380	0.684	62	2029	63	
				44335	225.65	227.07	1.42	96.68	0.76	0.97	0.303	0.467	33	1302	47	
				44336	227.07	227.69	0.62	98.51	0.58	0.31	0.115	0.139	<20	311	49	
			scattered f.g. rusty orange grains: ~219.60-227.07, <5%--25%	44337	227.69	229.15	1.46	98.10	0.62	0.43	0.113	0.185	32	528	43	
			nearly no surficial weathering above 214.35m, below: minor to mod yellow-orange and bright orange surficial clay along fracture surfaces and as fracture fill, minor staining													
			base marked at the start of bdst textures													
			~1cm Ca vein at contact - 80° CA hematite stylo upper contact, sharp lower contact @ 60° CA													
229.12	281.53	52.41	V.C.G. STROMATOPOROID LIME BOUNDSTONE WITH MINOR C.G. LIME PKST	44338	229.15	230.60	1.45	98.92	0.59	0.09	0.045	0.029	<20	66	31	
			lt-gy to med-brownish-gy, hetero, poorly sorted, reefal textures common - Ca porosity fill, bound mud and occasionally bird's eye texture; ~10% Ca overall as variable irregular veinlets and bioclast fill - locally up to 40-50%, weak surficial clay and staining along fracture surfaces common - bright orange and yellow-orange, bioclast-rich: highly variable, stroms (majority mats, fingers and bulbous - in place and frags; commonly etch lt-brown), crinoid ossicles, shells and shell frags, large crinoid stems, corals (colonial and solitary); limey throughout	44339	230.60	232.05	1.45	98.70	0.69	0.16	0.083	0.036	38	81	53	
				44340	232.05	233.45	1.40	98.71	0.67	0.20	0.057	0.034	74	75	50	
				44341	233.45	234.89	1.44	98.70	0.59	0.19	0.053	0.046	41	129	37	
				44342	234.89	236.28	1.39	98.62	0.67	0.20	0.071	0.075	39	123	38	
				44343	236.28	236.83	0.55	98.49	0.70	0.20	0.070	0.087	26	163	60	
				44344	236.83	238.04	1.21	97.30	0.76	0.66	0.161	0.297	32	440	70	
				44345	238.04	239.51	1.47	98.60	0.75	0.21	0.073	0.095	23	153	55	
			moderate to strong surficial weathering: 236.91-238.06, 253.82-255.03 (well fract'd, ~10% rubble), 260.98-261.54 (vuggy, ~40% rubble), 263.97-264.10 (vuggy), 268.52-268.94 (shallow fractures @ 20°-30° CA), other short <5cm	44346	239.51	240.64	1.13	98.51	0.86	0.16	0.069	0.056	38	66	39	
				44347	240.64	241.40	0.76	98.67	0.73	0.08	0.078	0.026	47	43	34	
				44348	241.40	242.32	0.92	98.70	0.70	0.07	0.029	0.023	30	47	33	
				44349	242.32	243.71	1.39	98.29	0.76	0.27	0.058	0.116	25	179	35	
			minor dolomitic horizons: 245.60-245.66 (dolomud with associated surficial staining), 273.45: ½cm x 1cm dolomud clast (crinoid stem)	44350	243.71	244.53	0.82	98.60	0.64	0.06	0.074	0.029	45	73	39	
				44351	244.53	245.58	1.05	98.26	0.73	0.23	0.074	0.095	37	227	37	
				44352	245.58	245.63	0.05	87.83	11.20	0.27	0.085	0.096	29	66	65	
			a couple of thin (<1cm) strongly carb bands (strongly dolo, suspect siliceous) and stylos in	44353	245.63	247.14	1.51	98.66	0.73	0.07	0.059	0.023	37	52	32	

DIAMOND DRILL LOG

A129

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-14

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			last 77cm of interval - all @ 80° (bedding)	44354	247.14	248.60	1.46	98.72	0.67	0.12	0.043	0.033	34	69	38
			base marked at the start of v.dk-gy carbon-rich mdst	44355	248.60	250.20	1.60	98.22	0.68	0.26	0.069	0.083	104	192	47
			sharp slightly irregular contact @ 80°-85° CA (bedding)	44356	250.20	251.18	0.98	98.62	0.76	0.13	0.065	0.045	47	99	42
				44357	251.18	252.64	1.46	98.49	0.66	0.23	0.075	0.124	45	126	41
				44358	252.64	253.58	0.94	98.61	0.77	0.18	0.062	0.061	40	137	42
				44359	253.58	255.12	1.54	98.75	0.59	0.21	0.054	0.087	46	169	37
				44360	255.12	256.87	1.75	98.91	0.61	0.09	0.032	0.043	29	87	33
				44361	256.87	258.12	1.25	98.89	0.63	0.07	0.032	0.021	36	38	31
				44362	258.12	259.54	1.42	98.68	0.69	0.19	0.050	0.047	51	117	38
				44363	259.54	260.91	1.37	98.99	0.65	0.07	0.027	0.034	48	46	34
				44364	260.91	261.50	0.59	98.20	0.65	0.40	0.078	0.141	47	235	38
				44365	261.50	263.03	1.53	98.64	0.68	0.16	0.068	0.077	40	167	38
				44366	263.03	264.09	1.06	98.70	0.59	0.23	0.110	0.086	40	179	40
				44367	264.09	265.69	1.60	98.68	0.65	0.14	0.094	0.060	35	130	36
				44368	265.69	266.60	0.91	99.00	0.65	0.05	0.057	0.017	30	33	33
				44369	266.60	268.11	1.51	98.72	0.71	0.14	0.088	0.054	25	114	40
				44370	268.11	269.39	1.28	98.71	0.69	0.20	0.034	0.070	48	117	34
				44371	269.39	271.29	1.90	98.46	0.64	0.27	0.072	0.095	32	185	40
				44372	271.29	272.82	1.53	98.80	0.58	0.16	0.067	0.059	34	92	37
				44373	272.82	274.32	1.50	98.98	0.54	0.09	0.025	0.018	35	<30	28
				44374	274.32	275.79	1.47	98.86	0.52	0.14	0.034	0.020	33	36	29
				44375	275.79	277.24	1.45	99.10	0.50	0.06	0.040	0.015	34	<30	26
				44376	277.24	278.05	0.81	98.74	0.62	0.19	0.052	0.055	32	96	25
				44377	278.05	279.50	1.45	98.90	0.53	0.08	0.053	0.038	39	58	27
				44378	279.50	280.77	1.27	98.83	0.55	0.07	0.047	0.027	29	55	24
				44379	280.77	281.57	0.80	96.99	2.14	0.20	0.068	0.076	42	186	26
281.53	281.79	0.26	STRONGLY CARBONACEOUS DOLOMIST v.dk-gy to blk, homogeneous, some laminations, bedding consistently @ 80° CA except wavy textures in last 6cm, strongly dolomitic interval, suspect siliceous(?)	44380	281.57	281.83	0.26	71.07	22.12	3.25	0.755	1.393	128	3494	69
			base marked at the end of consistently carbon-rich mdst sharp contact @ 73°-76° CA one carb band 6-7cm into next interval, wavy 65°-80° CA												
281.79	295.78	13.99	F.G. TO C.G. LIME PKSTS AND BDSTS med-gy (brownish-gy etched), bioclast-rich: crinoid ossicles, shell & shell frags, corals (solitary & colonial), strom mats (frags & lesser in-place), bryozoans (?), shreddiees <1/2cm, could be algal/sponge?), large crinoid stem	44381	281.83	282.55	0.72	98.06	1.18	0.10	0.040	0.045	20	98	24
			likely continuation of previous unit but some distinct differences: this unit is grainier - pkst>bdst	44382	282.55	283.53	0.98	98.84	0.60	0.07	0.031	0.034	<20	71	21
			poorly sorted but not nearly as poor as previous unit	44383	283.53	283.85	0.32	98.14	0.85	0.18	0.055	0.072	41	182	33
			v.c.g. bioclasts present but not as abundant as previous	44384	283.85	284.27	0.42	96.92	1.77	0.36	0.132	0.164	42	427	31
			reefal textures less abundant - still some minor Ca porosity fill	44385	284.27	285.43	1.16	98.71	0.66	0.11	0.148	0.038	<20	81	44
			presence of lt-pink-orange surficial stains in host rock: irreg mottles, minor but throughout	44386	285.43	286.81	1.38	98.93	0.55	0.04	0.045	0.021	<20	39	30
			limey throughout	44387	286.81	287.84	1.03	98.46	0.65	0.24	0.091	0.104	<20	183	32
			v.minor v.finely disseminated dolomite and bound dolomist (~15%): ~238.85-284.28	44388	287.84	289.18	1.34	98.47	0.63	0.28	0.098	0.073	46	191	32
				44389	289.18	290.61	1.43	98.62	0.60	0.18	0.066	0.039	35	73	28
				44390	290.61	292.01	1.40	98.15	0.86	0.10	0.054	0.047	13	45	26
				44391	292.01	293.65	1.64	98.41	0.84	0.22	0.087	0.081	<20	49	34
				44392	293.65	294.93	1.28	98.26	1.13	0.14	0.035	0.057	<20	<30	24
				44393	294.93	295.75	0.82	98.63	0.76	0.15	0.049	0.056	<20	<30	24

DIAMOND DRILL LOG

A130

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-14

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			minor Ca veinlets ~5% - variable & spidery moderate Ca ~20% overall, difficult to see host rock: 292.02-295.78												
			base marked at the start of carb rock, distinct color change sharp but stylo irregular contact avg ~35° CA												
295.78	310.69	14.91	BRECCIATED & SHEARED: INTERLAYERED CARB DOLOMITIC LIMESTONE & NON-CARB LIMESTONE	44394	295.75	296.97	1.22	96.14	2.36	0.60	0.125	0.233	<20	86	23
			med- to dk-gy, majority weakly carbonaceous dolomitic limestone, non-carb (bleached?)	44395	296.97	297.20	0.23	77.91	18.58	1.37	0.229	0.509	52	100	44
			lmst - lt-gy and brownish-gy, shearing and bx'ion is relatively weak - rock about in place,	44396	297.20	298.50	1.30	96.40	2.63	0.46	0.078	0.165	<20	47	26
			~15-20% Ca overall as variable veinlets (bx'd themselves and fracture fill) - locally up to 40%	44397	298.50	299.54	1.04	97.59	1.68	0.17	0.064	0.080	<20	<30	27
			more abundant Ca in non-carb, weakly to moderately stylolitic - blk carbon-rich & surficially	44398	299.54	300.84	1.30	96.21	3.08	0.13	0.043	0.059	<20	<30	24
			orange, no dependable bedding, shearing and bx'ion makes original textures difficult to see	44399	300.84	302.43	1.59	93.79	4.92	0.44	0.132	0.178	<20	<30	28
			but c.g. bioclasts are visible: crinoid ossicles and larger stems, shells and shell frags, strom	44400	302.43	303.50	1.07	96.48	2.49	0.33	0.075	0.124	<20	<30	27
			mat frags	44401	303.50	304.80	1.30	97.42	1.66	0.27	0.126	0.072	<20	<30	59
			dolomite is present in the carbonaceous horizons as disseminations and dolomud mottles	44402	304.80	305.02	0.22	86.20	10.08	1.64	0.338	0.430	48	68	42
			(generally ~10-40%)	44403	305.02	306.27	1.25	96.07	3.02	0.33	0.090	0.080	<20	<30	29
			dolomdst horizons: 296.70-297.20, 304.82-305.03, 310.50-310.69	44404	306.27	307.55	1.28	95.76	3.18	0.40	0.075	0.066	27	<30	28
			large non-carb limey horizon with pinky-red surficial stains (small mottles up to 1 1/2cm w. and	44405	307.55	307.86	0.31	91.87	6.85	0.32	0.144	0.097	43	70	33
			stringers): 296.70-302.42	44406	307.86	308.98	1.12	97.86	1.34	0.17	0.055	0.046	30	70	29
			base marked at the end of consistently sheared rocks - some shearing still present in next	44407	308.98	310.53	1.55	98.35	0.97	0.12	0.045	0.044	20	72	26
			interval but minor	44408	310.53	310.73	0.20	80.43	14.02	2.26	0.600	1.097	49	320	63
			bands of strongly carb & strongly surficially weathered (orange & red) in last 20cm												
			contact sharp but irregular (structural) @ ~65° CA												
310.69	327.16	16.47	CARBONACEOUS V.F.G. TO C.G. DOLOMITIC LIME PKST F.U.C.'S WITH CARBON-RICH CALCAREOUS DOLOMITIC MDST INTERBEDS	44409	310.73	311.58	0.85	94.78	3.88	0.50	0.142	0.180	44	226	31
			dk-gy to v.dk-gy with blk mdst interbeds (suspect silty), weakly stylolitic - blk & carbon-rich,	44410	311.58	312.78	1.20	91.58	7.18	0.54	0.121	0.151	71	340	31
			pksts are bioclast-rich: crinoid ossicles, shells, shell frags, crinoid stems; dolomite	44411	312.78	313.27	0.49	86.47	10.30	1.37	0.469	0.552	72	1116	49
			disseminated throughout, some strong dolomud matrix	44412	313.27	314.96	1.69	93.80	5.03	0.23	0.087	0.323	54	152	40
			F.U.C.'s: 310.69-311.07, -311.54, -312.78, -313.24, -314.95, -315.78, -316.08, -316.52, -317.17,	44413	314.96	315.76	0.80	82.92	14.77	0.68	0.189	0.324	54	713	39
			-318.70, -318.73, -318.79, -318.96, -319.11, -319.31, -320.13, -321.15, -321.91, -324.22,	44414	315.76	316.53	0.77	78.53	19.81	0.55	0.152	0.199	79	509	42
			-325.83, -326.59, -327.06, -end	44415	316.53	317.58	1.05	93.48	5.84	0.27	0.059	0.063	43	153	23
			It-brownish-gy dolomitic lime pkst, likely continuation of rock above but slightly bleached,	44416	317.58	318.71	1.13	96.56	2.63	0.20	0.064	0.075	29	172	23
			last ~45cm vuggy and crumbly with clear Ca crystals: 313.26--314.95	44417	318.71	319.31	0.60	86.99	9.38	1.57	0.254	0.531	88	1488	42
			sharp upper contact @ 45°, gradational lower non-carb to carb	44418	319.31	320.71	1.40	95.66	3.56	0.33	0.052	0.062	52	171	24
			mdst interbeds: 311.25-311.33, 312.78 (1cm, wavy), 315.10 (1cm), 315.13 (2cm), 315.79-316.01	44419	320.71	321.90	1.19	91.69	7.09	0.35	0.089	0.110	34	234	28
			(thin <½cm, ~15%), 316.08-316.53 (~½cm-3cm bands, ~10-20%), 318.73-319.31 (40%), 320.71-	44420	321.90	322.65	0.75	89.07	9.24	0.76	0.140	0.238	49	565	48
			320.98 (30%), 322.52 (2cm), 325.83-326.15 (~10%, thin <½cm, bit wavy)	44421	322.65	323.81	1.16	51.18	24.02	11.07	1.551	3.091	252	10907	187
			dolomdst horizon (~85%): 322.68-323.80	44422	323.81	324.75	0.94	87.25	8.78	2.30	0.198	0.340	49	898	63
			bedding: 58° @ 315.14, 62° @ 316.01, 80°-90° @ 316.43 (wavy), 71° @ 318.80, 80° @ 319.13, 75°	44423	324.75	325.84	1.09	96.81	2.02	0.44	0.135	0.113	23	286	40
			@ 320.87, 75° @ 322.82, 62° @ 323.57 (slightly wavy)	44424	325.84	327.20	1.36	94.03	2.81	1.20	0.230	0.420	47	1165	39

DIAMOND DRILL LOG

A132

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-15

Dip Tests

Depth | Angle

Claim: PAT **Co-ordinates (UTM, NAD 83)**
Bearing: 0 **Easting:** 547259.2
Inclination: -60 **Northing:** 5989332.1
Province: BC **Elevation:** 710.2 m

Date Started: Oct. 18/07
Date Finished: Oct. 25/07
Date Logged: Oct. 19-26/07
Logged By: J. Tanton & P. Kluczny

Core Size: NQ
Casing: 21.34 m
Total Depth: 322.17 m

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	21.34	21.34	CASING: Overburden. 0.90=ground												
21.34	51.63	30.29	SHEARED AND BRECCIATED: INTERLAYERED CARBONACEOUS & NON-CARB LIMESTONE calcite content variable: <5-25%, locally up to 60%, highly variable and spidery non-carb: lt- to med-gy, weakly bleached (original textures not visible), indescrpt, limey throughout (what dolomite ls present appears confined to the carb rock) carb: dk-gy to blk, slight color variations cause mottled appearance - variable carbon content, weakly to mod stylolitic throughout - blk carbon-rich and highly variable orientations, overall minor dolomite present as fine disseminations, patchy dolomud, dolomud bed (39.93-40.01), and stringers dominantly carbonaceous: 23.58-24.33, 29.32-34.79, 36.04-37.36, 39.33-40.81, 43.39-43.80, 45.10-45.91 strongly carb horizon with blk sooty mdst interbeds: 29.32-31.75 strong calcite horizon >90%: 23.00-23.47 pinkish-orange tinge and hematite stringers consistently weak surficial staining along fracture surfaces: 21.34-29.33, 46.56-51.63 base marked at the start of strongly fractured, strong calcite and the end of carb interlayers, increase in surficial clay content sharp but slightly irregular contact @ ~60° CA	44428	21.34	22.15	0.81	97.39	1.38	0.24	0.120	0.040	37	91	95
				44429	22.15	23.47	1.32	98.38	0.81	0.18	0.157	0.078	25	168	85
				44430	23.47	24.37	0.90	97.68	0.79	0.69	0.096	0.182	16	450	62
				44431	24.37	26.02	1.65	98.53	0.58	0.18	0.050	0.030	46	82	70
				44432	26.02	27.49	1.47	98.96	0.55	0.07	0.044	0.023	15	48	56
				44433	27.49	29.30	1.81	98.86	0.60	0.21	0.055	0.039	45	106	36
				44434	29.30	31.22	1.92	91.77	2.34	3.81	0.325	0.636	122	1921	71
				44435	31.22	32.94	1.72	96.81	1.01	0.89	0.122	0.191	35	508	32
				44436	32.94	34.72	1.78	97.38	1.03	0.34	0.122	0.125	<20	333	30
				44437	34.72	36.03	1.31	98.92	0.70	0.04	0.048	0.016	26	38	50
				44438	36.03	37.42	1.39	95.57	2.58	0.40	0.587	0.169	38	415	120
				44439	37.42	39.33	1.91	98.64	0.67	0.15	0.044	0.047	25	115	48
				44440	39.33	40.87	1.54	97.01	1.86	0.33	0.129	0.135	44	344	37
				44441	40.87	42.28	1.41	98.48	0.77	0.18	0.058	0.070	16	177	25
				44442	42.28	43.79	1.51	98.49	0.80	0.22	0.036	0.051	34	141	27
				44443	43.79	45.11	1.32	98.34	0.64	0.06	0.030	0.018	<20	47	34
				44444	45.11	45.94	0.83	97.33	0.69	0.76	0.157	0.353	57	1047	46
				44445	45.94	47.56	1.62	98.80	0.78	0.05	0.030	0.020	48	49	45
				44446	47.56	48.16	0.60	98.91	0.55	0.05	0.057	0.022	28	49	48
				44447	48.16	49.36	1.20	98.70	0.62	0.18	0.057	0.046	40	105	56
				44448	49.36	51.64	2.28	98.93	0.55	0.06	0.050	0.025	26	63	73
51.63	61.28	9.65	SHEARED AND BX'D F.G. LIMESTONE lt-gy, weakly to moderately bleached, abundant Ca horizons (up to 90%) strong throughout - 20% overall, well fractured, ~15-20% rubble, mod to strong surficial weathering throughout, clay and staining on fracture surfaces and staining of rock, occasionally fine grains visible but not possible to identify, appears bioclast-poor due to bleaching strong pink-orange staining: 59.69-60.60 v.strong orange clay: last ~70cm base marked at appearance of visible bdst textures contact ambiguous due to strong fracturing, abrupt	44449	51.64	53.34	1.70	98.40	0.66	0.33	0.100	0.111	36	175	60
				44450	53.34	54.64	1.30	98.86	0.63	0.16	0.052	0.048	23	91	37
				44451	54.64	56.43	1.79	98.44	0.53	0.16	0.074	0.041	<20	71	32
				44452	56.43	57.42	0.99	98.82	0.51	0.22	0.027	0.032	60	66	26
				44453	57.42	59.15	1.73	97.98	1.40	0.18	0.043	0.081	42	120	38
				44454	59.15	59.69	0.54	98.45	0.58	0.21	0.070	0.073	20	126	38
				44455	59.69	60.59	0.90	93.49	3.40	1.44	0.268	0.681	53	1399	61
				44456	60.59	61.32	0.73	98.22	0.57	0.51	0.090	0.166	27	317	60
61.28	111.28	50.00	CORAL STROM LIME BDST WITH ASSOCIATED C.G. LIME PKST lt- to med-gy (lt-brownish-gy etched), weakly bleached (difficult to see internal structure of bioclasts), v.poorly sorted, v.f.g. to v.c.g. in top ~14cm, overall minor Ca 5-10% present as bioclast porosity fill and fine veinlets, majority of interval weakly fractured, bioclast-rich: abundant colonial corals, strom mats, crinoid ossicles, shells & shell frags, pellets, oncolites, locally bulbous stroms (fragmented), and occasional bryozoan(?)	44457	61.32	64.00	2.68	97.26	0.64	0.67	0.135	0.239	46	460	28
				44458	64.00	65.76	1.76	98.95	0.58	0.10	0.056	0.026	37	63	20
				44459	65.76	66.91	1.15	98.50	0.54	0.11	0.099	0.045	39	77	21
				44460	66.91	68.56	1.65	98.89	0.57	0.14	0.079	0.031	39	68	21
				44461	68.56	70.08	1.52	98.83	0.52	0.14	0.056	0.031	42	79	18
				44462	70.08	71.33	1.25	98.94	0.57	0.18	0.038	0.026	51	68	17

DIAMOND DRILL LOG

A134

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-15

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			pkst intervals are limey (little to absent disseminated dolomite); overall unit is ~30-40% dolomite (difficult to tell because v.slight color difference), dolomite in interval appears to be mainly secondary (angular fragments of lime pkst within dolomud) although there might have been primary dolo (too bx'd to tell); sequence appears to be: deposition, lithification, calcite veining, dolomitic fluid brecciation, calcite veining; overall weakly fractured												
			calcite vein appears bx'd with dolomud matrix: 118.53-118.87 v.strongly bx'd pkst (dolomud matrix): 119.93-120.43 dolomud with small pkst clasts, little to no host rock left: 121.53-122.31 moderately fractured: 121.67-122.10												
			base marked at very sharp stylolitic contact with lime pkst @ 50° CA												
122.31	125.24	2.93	WEAKLY CARBONACEOUS DOLOMITIC LIME PKST TO GRST	44499	122.44	123.86	1.42	97.40	1.57	0.13	0.030	0.035	46	86	0
			med-gy (dk- to v.dk-gy etched), moderately sorted, v.f.g. to m.g., weakly stylolitic @ 50°-60° CA, beds usually 2-10cm thick separated by stylolites, moderately fractured, overall minor calcite 5-10% present as fine veinlets and occasional larger veins (<1.5cm wide), bioclast-rich: v.small (<½cm) and difficult to identify, pellets, crinoid ossicles, shell frags; finely dissem dolomite throughout (<5% dolo)	44500	123.86	125.23	1.37	90.05	8.95	0.23	0.061	0.076	51	138	5
			slightly bx'd - calcite veins up to 2cm wide: 123.95-124.15												
			base marked at the start of strong calcite veining and strongly carbonaceous rock												
125.24	130.18	4.94	SHEARED AND BX'D MODERATELY TO STRONGLY CARBONACEOUS STRONGLY DOLOMITIC LMST	44501	125.23	126.84	1.61	89.31	9.34	0.50	0.108	0.201	52	432	12
			med-gy pkst for first 35cm, v.difficult to identify bioclasts, med- to dk-gy for most of interval (v.dk-gy to blk etched), moderately to strongly dolomitic- v.random & highly carb, bedding variable but often @ ~50°-70° CA, overall 25-30% calcite present as fine spidery veinlets and larger veins up to 3cm, veins bx'd themselves = locally up to 75%, dolomitic mottles (deformed beds) scattered throughout - v.f.g. and dolomitic mdst(?)	44502	126.84	128.46	1.62	91.03	7.25	0.50	0.121	0.205	56	472	13
				44503	128.46	130.17	1.71	88.27	9.17	0.59	0.128	0.246	55	596	19
			base marked at sharp stylolitic contact with bleached lmst @ 55° CA												
130.18	132.29	2.11	SHEARED AND BX'D BLEACHED LMST	44504	130.17	132.27	2.10	93.94	4.83	0.50	0.098	0.185	36	431	26
			lt- to med-gy with slight pink-orange tinge, v.strongly bx'd by calcite veins, original textures and bioclasts difficult to see (originally pkst?), overall calcite 30-40% as veinlets and larger veins (cm-scale wide) - locally 80%, moderately fractured throughout, completely bx'd - somewhat rounded lmst clasts)												
			abundant hematite stringers, pink-orange stain (almost looks granitic): 130.50-130.95												
			base marked at sharp stylolitic contact with carb unit @ ~45° CA												
132.29	136.56	4.27	SHEARED AND BX'D: WEAKLY TO MODERATELY CARBONACEOUS INTERLAYERED PKST TO GRST AND BDST(?)	44505	132.27	133.24	0.97	93.41	3.56	1.19	0.155	0.533	60	1229	29
			med- to dk-gy (dk-gy to blk etch), v.poorly sorted, v.f.g. to c.g., may be cycles but bx and stylos make identification difficult, overall 15-20% calcite as fine veinlets and lg veins up to 3cm wide - locally up to 50%, strongly bx'd throughout, puzzle bx - v.angular clasts, weakly stylolitic with irregular orientations, bioclast-rich: crinoid ossicles, shells and shell frags up	44506	133.24	134.59	1.35	97.96	0.67	0.33	0.066	0.145	36	300	12
				44507	134.59	136.55	1.96	98.73	0.61	0.03	0.041	0.012	20	<30	8

DIAMOND DRILL LOG

A135

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-15

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)	
			to 2cm, bryozoans(?), sheared and fragmented strom mats or colonial coral?; limey sheared bioclasts @ ~perp CA: 132.90-133.20 strongly stylolitic: 132.29-133.39 associated with highly carb, separates beds 5-20cm thick, variable but ~40°-60° CA, stylolites sometimes offset calcite veining base of unit marked by a sharp stylolitic contact with bleached lmst @ ~perp CA													
136.56	137.59	1.03	SHEARED AND BX'D BLEACHED LMST (PKST?) lt-gy (etches med-gy), strongly bleached (appears granular but v.difficult to identify, mud-rich pkst?), overall 15-20% calcite as fine veinlets and larger veins up to 2 cm wide - locally up to 40% and variable orientations, moderately bx'd throughout by calcite veins - puzzle bx with angular clasts, weakly fractured throughout limey except for the last ~20cm, where start to see finely disseminated dolomite and small (<2cm) dolo mottles; <5% dolo overall base marked at the start of strongly dolomitic and darker weakly carbonaceous rock gradational contact	44508	136.55	137.76	1.21	98.60	0.95	0.15	0.041	0.015	27	<30	8	
137.59	140.65	3.06	SHEARED AND BX'D: WEAKLY CARBONACEOUS DOLOMITIC LIME WKST(?) tan-gy (dolo) to med-gy (lmst), etches tan-gy and v.dk-gy, appears mud-rich, overall 10-15% calcite as fine veinlets and veins up to 2cm - locally 50%, weakly stylolitic - carb and very irregular, moderately sorted, v.f.g. to m.g., visible crinoid ossicles and shells/shell frags - majority difficult to identify, moderately bx'd by calcite veins and lesser dolomitic mottles, dolomitic throughout (~25%) - appears secondary base marked at large (5cm) calcite vein end the end of carb rock contact @ ~55° CA	44509 44510	137.76 139.20	139.20 140.59	1.44 1.39	96.25 95.02	3.38 4.14	0.01 0.40	0.026 0.050	0.010 0.016	<20 43	<30 38	6 9	
140.65	144.78	4.13	LIME WKST TO PKST lt- to med-gy (med-gy etched), slightly bleached for first ~1m, well sorted, v.f.g. to f.g., v.minor hematite stringers, overall 5-10% calcite present as abundant spidery veinlets (healed fracts) and larger veins (most in top 70cm), slightly bx'd throughout by Ca veins - puzzle bx with angular clasts, moderately fractured overall, mud-rich interval, visible pellets and shell frags - other v.small bioclasts (<1mm) fragmented and v.difficult to identify; limey throughout strongly bx'd: 140.35-140.65 strongly fractured and rubbly: 143.24-144.78 sufficial clay on fracture surface: 143.68-143.78 base marked at sharp but irregular (stylolitic?) contact @ ~45° CA	44511 44512	140.59 142.34	142.34 144.63	1.75 2.29	97.72 98.72	1.32 0.53	0.35 0.37	0.058 0.051	0.037 0.042	32 76	79 80	15 13	
144.78	150.59	5.81	LIME PKST TO GRST WITH ASSOCIATED CORAL-STROM LIME BDST lt- to med-gy (etches med-brownish-gy), slightly bleached - difficult to identify bioclasts, poorly sorted, v.f.g. to c.g., overall 5-10% calcite as abundant spidery veinlets (healed fracts) and some larger cm-scale veins, slightly bx'd by Ca veining throughout, overall moderately fractured - healed with Ca, bioclast-rich: pellets, shells and shell frags, crinoid ossicles and stems, bryozoans, fragmented colonial coral and strom(?) beds; bioclasts v.fractured and	44513 44514 44515	144.63 146.29 148.14	146.29 148.14 150.59	1.66 1.85 2.45	99.16 98.90 99.02	0.48 0.51 0.57	0.10 0.07 0.19	0.046 0.069 0.054	0.010 0.029 0.020	28 21 39	26 49 55	12 14 15	

DIAMOND DRILL LOG

A136

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-15

From m	To m	Tkn m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			jumbled - not in place, cycles cryptic if present; limey throughout												
			moderate surficial weathering on fracture surfaces: 147.45-150.59 v.strong " : 148.44-148.60 strongly fractured: 147.45-150.63												
			base marked at the appearance of dolo mottles and noticeable decrease in surficial wth'ing and fracturing gradational contact												
150.59	151.49	0.90	DOLOMITIC LIME PKST same as 144.78-150.59 except: lt-gy to tan-gy dolomud mottles and finely disseminated dolomite - mottles might be veins (as fragments of lime pkst in dolomud), dolo appears to be secondary only, overall 20-25% less fractured than above likely same unit as above - just with secondary dolomite present	44516	150.59	151.49	0.90	97.03	2.26	0.41	0.066	0.027	46	59	15
			base marked at the disappearance of dolomite, arbitrary contact												
151.49	163.52	12.03	LIME PKST TO GRST AND CORAL-STROM LIME BDST same as 144.74-150.59; limey throughout bdst more visible with fragmented colonial corals and strom mats: 152.15-154.00	44517	151.49	152.58	1.09	96.54	2.10	0.28	0.072	0.029	23	61	18
			v.strong fracturing and surficial weathering: 152.60-154.22, 157.66-158.41, 159.42-160.26 difficult to identify bioclasts	44518	152.58	154.04	1.46	98.00	0.56	0.74	0.083	0.162	67	265	17
				44519	154.04	155.82	1.78	98.96	0.51	0.25	0.024	0.021	<20	<30	9
				44520	155.82	157.69	1.87	98.87	0.52	0.19	0.034	0.042	<20	<30	9
				44521	157.69	158.64	0.95	98.49	0.99	0.17	0.062	0.033	<20	<30	14
				44522	158.64	160.37	1.73	98.53	0.55	0.51	0.058	0.100	<20	168	13
				44523	160.37	161.84	1.47	98.58	0.53	0.40	0.038	0.042	<20	77	13
			base marked at sharp contact with bx'd lmst below, Ca vein at contact @ 40° CA	44524	161.84	163.49	1.65	98.99	0.52	0.08	0.031	0.031	<20	<30	11
163.52	164.33	0.81	BRECCIATED LIMESTONE lt- to med-gy, strongly bleached - bioclasts and host rock textures not visible), strongly bx'd throughout, strongly fractured for first ~40cm - moderately fractured otherwise, overall 25-30% calcite as fine veinlets and veins - locally up to 90%	44525	163.49	164.28	0.79	98.11	1.32	0.10	0.047	0.040	<20	<30	17
			large Ca vein: 163.52-163.93 white to translucent with pink-orange tint, lmst fragments within vein, abundant surf wth'ing												
			base marked at sharp stylolitic contact with carb pkst-grst below @ 40° CA												
164.33	193.75	29.42	WEAKLY CARBONACEOUS DOLOMITIC LIME WKST TO PKST med- to dk-gy (dk-gy to blk etched), dolo: lt- to med-gy, poorly sorted, v.f.g. to c.g., weakly to moderately fractured throughout, weakly to strongly stylolitic - highly variable and carb, stylos sometimes separate beds @ ~45°-65° CA (irregular), overall 5-10% calcite as fine veinlets and larger veins - locally up to 75%, host rock slightly bx'd throughout, generally mud-rich, visible crinoid ossicles and stems, shells and shell frags, fragmented and sheared colonial coral(?) in first ~10cm of interval; finely disseminated dolomite and dolo mottles - overall 15-20%, locally 40-50% dolo	44526	164.28	166.13	1.85	81.46	17.81	0.08	0.037	0.068	<20	<30	24
			strongly bx'd by Ca: 165.51-166.13, 176.96-177.13, 188.84-189.65	44527	166.13	167.87	1.74	92.62	6.25	0.29	0.055	0.043	<20	47	19
			strongly stylolitic: 164.33-166.13, 166.93-167.88	44528	167.87	169.24	1.37	94.81	4.42	0.13	0.069	0.025	126	<30	17
				44529	169.24	170.22	0.98	91.86	7.39	0.25	0.089	0.038	<20	37	18
				44530	170.22	171.57	1.35	98.34	0.82	0.40	0.073	0.023	<20	<30	13
				44531	171.57	173.43	1.86	98.03	1.01	0.38	0.103	0.029	28	<30	19
				44532	173.43	174.82	1.39	90.77	7.87	0.49	0.151	0.110	<20	209	27
				44533	174.82	176.64	1.82	97.08	2.04	0.42	0.047	0.062	<20	116	8
				44534	176.64	178.21	1.57	96.50	2.83	0.34	0.032	0.020	<20	<30	7
				44535	178.21	179.29	1.08	93.38	5.85	0.31	0.043	0.035	<20	<30	7
				44536	179.29	180.13	0.84	93.44	5.74	0.40	0.043	0.037	<20	44	7
				44537	180.13	181.47	1.34	97.91	1.50	0.24	0.052	0.039	<20	54	8

DIAMOND DRILL LOG

A138

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-15

From m	To m	Tkn m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			v.minor carbon: 217.53-218.57 dominantly non-carb: 199.94-201.03, 206.32-208.30, 209.57-215.65, 217.53-218.57 strong calcite veining and mod to strong surficial clay, strong carb stylos, bx'd: 215.65-218.57 base marked at the start of consistent bdst sharp contact (fractured and veined) @ ~50° CA												
225.16	239.95	14.79	STROM (& CORAL?) LIME BDST WITH ASSOCIATED C.G. LIME PKST lt- to med-gy (med-gy and lt-brownish-gy etched), weakly bleached in places, poorly sorted, f.g. to c.g., weakly stylolitic for ~first metre - carb and v.irregular, overall 10-15% calcite as bioclast porosity fill and veinlets (up to 3cm w.), majority of interval weakly to moderately fractured with weak surficial weathering, fragmented bioclasts and reefal textures, bioclast-rich: pellets, crinoid ossicles and stems, shells and shell frags, fragmented colonial coral(?), difficult to see internal structure), large (cm-scale) fragmented lt-brownish-gy mats (?), etches characteristic of stroms, cannot see internal structure due to veining and weak bleaching); limey throughout except first metre - slightly carb in & around stylos abundant calcite veining: 225.16-228.55, 231.50-233.20, 238.10-239.95 dominantly c.g. pkst: 227.69-229.66, 232.57-233.30, 235.60-236.83 base marked at the start of dolomitic lime pkst sharp but highly irregular (fractured) contact	44567	225.16	226.78	1.62	97.79	1.01	0.33	0.122	0.078	<20	252	39
				44568	226.78	228.54	1.76	98.49	0.60	0.09	0.045	0.036	<20	101	39
				44569	228.54	230.10	1.56	98.83	0.67	0.13	0.041	0.034	<20	95	30
				44570	230.10	231.46	1.36	98.63	0.67	0.17	0.050	0.046	<20	116	34
				44571	231.46	233.05	1.59	98.18	0.68	0.43	0.099	0.140	<20	363	38
				44572	233.05	234.05	1.00	98.76	0.60	0.27	0.055	0.035	28	86	31
				44573	234.05	235.64	1.59	98.98	0.55	0.05	0.041	0.019	<20	42	32
				44574	235.64	237.54	1.90	98.75	0.64	0.22	0.052	0.018	<20	54	29
				44575	237.54	239.04	1.50	98.72	0.68	0.16	0.068	0.036	21	57	31
				44576	239.04	239.93	0.89	98.78	0.62	0.20	0.027	0.061	23	64	29
239.95	240.36	0.41	SHEARED AND BX'D DOLOMITIC LIME PKST lt- to med-gy (etches med-gy and lt-gy (dolo)), bleached - difficult to identify bioclasts, shearing and bx'ion makes original textures difficult to see, occasional c.g. shell & shell frags visible, overall 5-10% calcite as fine veinlets (bx fill), minor hematite stringers, weakly fract'd throughout, dolomite present as mottles - overall ~25% dolomite base marked at the start of visible bdst and pkst sharp stylolitic contact @ ~60° CA	44577	239.93	240.35	0.42	96.53	2.24	0.22	0.151	0.076	<20	140	44
240.36	254.28	13.92	SHEARED AND BX'D STROM BDST WITH ASSOCIATED C.G. LIME PKST likely a continuation of '225.16-239.95' but strongly sheared and bx'd (not in place) lt- to med-gy (med-gy etched), weakly bleached throughout, shearing and bx'ion make original textures difficult to see, overall 20-25% calcite as fine veinlets and larger veins (up to 15cm) - locally up to 80% (puzzle bx), weakly to strongly fractured, some c.g. bioclasts identifiable: fragmented strom mats, shells and shell frags, crinoid ossicles and stems; sheared/stretched bioclasts @ ~60°-70° CA; limey throughout strong surficial weathering: 240.91-241.40, 246.52-246.90, weak to absent elsewhere large calcite vein with pink-orange stain: 252.20-252.35 strong to v.strong perp CA partings: 248.75-248.92, 252.48-252.94 dolomdst horizon @ 75° CA - pink-orange color, siliceous?: 248.72-248.75 becomes carbonaceous at end of interval base marked at the start of interlayered carb & non-carb lmst	44578	240.35	242.06	1.71	98.59	0.67	0.17	0.092	0.067	<20	137	38
				44579	242.06	243.83	1.77	98.28	0.56	0.13	0.027	0.022	<20	61	30
				44580	243.83	245.57	1.74	98.96	0.57	0.08	0.034	0.022	<20	48	34
				44581	245.57	247.23	1.66	98.82	0.56	0.08	0.127	0.028	<20	48	40
				44582	247.23	248.92	1.69	98.53	0.84	0.16	0.101	0.026	<20	70	40
				44583	248.92	250.40	1.48	98.46	0.54	0.10	0.083	0.031	<20	78	40
				44584	250.40	252.07	1.67	98.84	0.65	0.10	0.093	0.023	<20	46	57
				44585	252.07	252.57	0.50	98.75	0.61	0.23	0.060	0.019	<20	51	43
				44586	252.57	254.03	1.46	98.93	0.63	0.04	0.047	0.016	<20	40	39

DIAMOND DRILL LOG

A139

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-15

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			gradational(?) contact - difficult to see because of strong perp CA partings and fracturing												
254.28	289.13	34.85	SHEARED AND BX'D INTERLAYERED CARB LMST AND MINOR NON-CARB LMST	44587	254.03	255.65	1.62	98.25	0.59	0.15	0.025	0.021	<20	58	33
				44588	255.65	257.64	1.99	98.83	0.61	0.15	0.030	0.041	<20	94	36
			likely continuation of above but with carbon-rich and dolomitic sections, majority carb (dk-gy to blk), some non-carb (slightly bleached, lt- to med-gy), shearing and bx'ion make original textures difficult to see - v.strong in sections, noticeable shearing of bioclasts, overall 10-15% calcite as veinlets (some puzzle bx) - locally up to 70%, moderately stylonitic throughout - quite irregular, often separate beds usually @ 50°-70° CA, some stylo boundaries around fragmented stroms, c.g. bioclasts visible: fragmented strom mats (etch lt-brownish-gy), bulbous stroms, shell frags, crinoid ossicles and stems; majority of dolomite <5% as finely disseminated	44589	257.64	259.42	1.78	98.86	0.61	0.10	0.050	0.026	<20	59	37
				44590	259.42	260.62	1.20	98.02	0.63	0.19	0.072	0.079	<20	170	32
				44591	260.62	260.94	0.32	98.79	0.55	0.12	0.054	0.038	<20	93	28
				44592	260.94	262.01	1.07	87.78	10.49	0.45	0.117	0.188	41	480	33
				44593	262.01	263.68	1.67	96.97	1.64	0.35	0.060	0.064	<20	134	29
				44594	263.68	265.13	1.45	98.80	0.61	0.07	0.062	0.030	<20	64	30
				44595	265.13	266.71	1.58	98.55	0.79	0.21	0.064	0.040	<20	104	28
				44596	266.71	268.32	1.61	98.63	0.68	0.34	0.058	0.033	<20	76	28
				44597	268.32	269.81	1.49	97.88	0.94	0.21	0.132	0.037	<20	93	35
			dolomite absent until after 260.94; interbeds carb dolomitic wkst-mdst: 261.62-261.99, 262.35-262.40, 270.05-270.32, 276.28-276.38	44598	269.81	271.54	1.73	97.21	1.34	0.32	0.064	0.072	<20	178	26
			dolo mottles: 282.21-283.19	44599	271.54	273.41	1.87	98.50	0.83	0.25	0.051	0.042	<20	104	24
			some secondary dolomite associated with calcite veining (10-20% dolo): 288.50-287.62	44600	273.41	274.58	1.17	98.07	1.09	0.29	0.087	0.077	<20	197	27
			strong perp CA partings: 254.28-255.17, 257.95-258.23	44601	274.58	276.39	1.81	95.91	2.47	0.44	0.124	0.175	23	466	27
				44602	276.39	277.47	1.08	95.85	3.38	0.33	0.078	0.122	26	270	28
				44603	277.47	279.34	1.87	97.99	1.10	0.08	0.091	0.051	<20	89	31
			some F.U.C.'s visible: 261.35-261.62, 261.99-262.35, -262.39, 282.80-283.08	44604	279.34	280.55	1.21	98.75	0.81	0.09	0.061	0.038	<20	83	25
				44605	280.55	282.20	1.65	96.81	2.14	0.27	0.085	0.068	31	179	26
			dominantly strom-rich (bdst?): 256.36-257.72, 263.68-265.13, 267.45-268.33, 276.39-279.33. 283.66-287.62	44606	282.20	283.19	0.99	91.30	7.66	0.33	0.140	0.129	29	328	33
			stroms are fragmented and sheared throughout except -in place at 277.65-279.33	44607	283.19	284.76	1.57	96.63	2.32	0.39	0.133	0.128	<20	348	32
				44608	284.76	285.47	0.71	97.87	1.41	0.28	0.076	0.054	<20	129	30
				44609	285.47	287.62	2.15	97.25	1.87	0.29	0.036	0.018	<20	49	27
			most bedding indicators unreliable due to stylos, shearing and bx'ion - some relatively undeformed carb dolo mdst-wkst beds: 62° @ 261.65, 71° @ 270.12, 68° @ 279.18	44610	287.62	289.13	1.51	98.25	1.03	0.20	0.039	0.030	<20	63	22
			base marked at the disappearance of stroms and the start of consistently dolomitic lmst somewhat gradational contact - difficult to tell because of bx'ion and shearing												
289.13	295.82	6.69	SHEARED AND BX'D DOLOMITIC LIME PKST(?)	44611	289.13	290.73	1.60	97.71	1.81	0.08	0.060	0.024	<20	44	26
			lt- to med-gy (bleached?), med- to dk-gy etched, dolomite etches lt-gy, difficult to identify textures or bioclasts due to shearing and bx'ion, weakly to moderately fractured throughout, overall 5-10% calcite as veinlets up to 1-2cm and puzzle bx fill - veins are commonly bx'd themselves, clast-rich?, visible shell frags and crinoid ossicles, ~20-25% dolomite overall present as finely disseminated and dolomitic horizons/beds	44612	290.73	291.63	0.90	96.53	2.46	0.09	0.052	0.040	<20	89	23
				44613	291.63	293.40	1.77	97.42	1.57	0.30	0.047	0.024	<20	65	23
				44614	293.40	294.59	1.19	96.46	2.19	0.31	0.044	0.034	36	64	23
				44615	294.59	295.82	1.23	93.18	6.22	0.14	0.063	0.059	21	156	26
			moderately to strongly fractured: 291.27-292.18												
			strongly dolomitic horizons: 289.98-290.24 (~50% dolomite)												
			F.U.C.'s may be obscured by shearing, visible: 295.48-295.51												
			base marked at the appearance of argillaceous carbonaceous mdst interbeds and weaker shearing and bx'ion sharp stylonitic contact @ ~75° CA												
295.82	312.95	17.13	CARBONACEOUS V.F.G. TO C.G. DOLOMITIC LIME PKST F.U.C.'S WITH CARB-RICH CALCAREOUS DOLOMDST INTERBEDS	44616	295.82	297.79	1.97	93.94	4.94	0.58	0.082	0.110	29	291	28
				44617	297.79	299.44	1.65	85.54	12.63	0.80	0.130	0.177	50	454	33

DIAMOND DRILL LOG

A141

Company: GRAYMONT WESTERN CANADA INC.

Project: Giscome Fall Drilling 2007

Hole No: PAT07-16

Dip Tests

Depth Angle

Claim: *PAT* **Co-ordinates (UTM, NAD 83)**
Bearing: *0* **Easting:** *546654.2*
Inclination: *-60* **Northing:** *5989329.3*
Province: *BC* **Elevation:** *703.4 m*

Date Started: *Oct. 26/07*
Date Finished: *Nov.01/07*
Date Logged: *Oct. 26 - Nov.04*
Logged By: *P. Kluczny*

Core Size: *NQ*
Casing: *19.20 m*
Total Depth: *303.84 m*

From (m)	To (m)	Tkns (m)	Description	Sample #	From (m)	To (m)	Length (m)	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
0.00	19.20	19.20	CASING: Overburden. 0.90=ground												
19.20	23.75	4.55	INTERLAYERED CARB AND NON-CARB LMST overall 5-15% calcite as spidery veinlets up to 2cm associated with bleaching - locally up to 90%, hematite stringers throughout carb rock: med-gy to blk, mottling due to carb content variations, weakly stylolitic - highly variable and carbon-rich, overall v.minor dolomite <1% as finely disseminated dolo non-carb: lt- to med-gy, moderately to strongly bleached (original textures not visible), some small (<1mm) dark clasts (bioclasts?) visible - pkst?; limey throughout dominantly carb: 19.20-20.93 carb content variable 5-15%, present as highly irregular horizons (beds?) weak surficial staining on fracture surfaces: 21.52-23.25 v.strong veining and bleaching with moderate surficial weathering: 23.25-23.79 base marked at the beginning of sheared and bx'd carbon-rich unit sharp but irregular contact @ ~45° CA	44632	19.20	20.98	1.78	97.76	1.09	0.51	0.042	0.094	<20	249	16
				44633	20.98	22.54	1.56	98.29	0.62	0.42	0.064	0.096	<20	255	24
				44634	22.54	23.77	1.23	97.67	0.82	0.68	0.097	0.175	24	413	47
23.75	53.95	30.20	SHEARED AND BX'D CARBONACEOUS F.G. WEAKLY TO STRONGLY DOLOMITIC LIME PKST TO GRST(?) weakly to moderately carb with minor sheared and bx'd carb mdst beds(?), dk-gy with blk bands/blotches, lmst is indeterminate for the majority of the interval but short sections of weakly sh'd and bx'd pkst-grst are visible, weakly to moderately stylolitic - carbon-rich and v.highly variable, stylos separate beds(?) in pkst-grst but still highly variable, weakly to moderately fractured throughout, overall 15-20% calcite as sh'd and bx'd veinlets - locally up to 90%, dolomite present as finely disseminated (except where bleached or strongly sheared) and dolo-rich horizons (1-10cm) within pkst-grst, overall 10-15% dolomite - locally up to 40-50% (at 47.80m) and usually associated with carbon content v.strong calcite veining and bleaching: 23.75-27.90, 30.80-31.49, 35.95-39.31, 49.50-50.18 puzzle bx weakly sh'd and bx'd pkst-grst: 40.32-41.42, 42.42-45.39, 46.86-49.50, 50.34-50.85, 51.58-53.95 bioclasts are small (<1mm) and difficult to identify, rounded in places: ooids?/pellets? base marked at the start of v.strongly carbonaceous mdst interbeds somewhat ambiguous contact	44635	23.77	25.62	1.85	95.70	2.66	0.76	0.088	0.257	25	660	32
				44636	25.62	26.90	1.28	95.37	2.36	1.09	0.104	0.209	<20	523	33
				44637	26.90	27.91	1.01	94.17	4.29	0.67	0.139	0.260	<20	542	40
				44638	27.91	29.44	1.53	97.15	1.58	0.57	0.087	0.209	<20	523	23
				44639	29.44	30.83	1.39	93.69	4.26	0.97	0.101	0.214	<20	500	32
				44640	30.83	31.46	0.63	95.62	2.59	0.54	0.104	0.200	<20	532	30
				44641	31.46	33.01	1.55	94.53	3.70	0.72	0.121	0.209	<20	516	37
				44642	33.01	34.80	1.79	90.88	7.20	0.94	0.093	0.297	27	751	37
				44643	34.80	35.95	1.15	91.82	6.34	0.75	0.122	0.307	28	785	39
				44644	35.95	36.91	0.96	95.57	3.11	0.48	0.089	0.197	51	524	26
				44645	36.91	38.28	1.37	98.75	0.65	0.16	0.105	0.046	35	131	23
				44646	38.28	40.06	1.78	96.34	1.84	0.43	0.074	0.160	<20	260	17
				44647	40.06	41.76	1.70	97.78	1.44	0.34	0.059	0.073	<20	175	12
				44648	41.76	43.64	1.88	97.05	2.31	0.22	0.049	0.053	31	98	9
				44649	43.64	44.60	0.96	89.39	8.83	0.44	0.098	0.153	53	350	22
				44650	44.60	45.91	1.31	92.82	6.03	0.29	0.078	0.092	61	236	13
				44651	45.91	47.37	1.46	96.97	1.96	0.24	0.033	0.065	38	156	3
				44652	47.37	49.49	2.12	90.74	7.35	0.55	0.087	0.185	33	434	14
				44653	49.49	50.14	0.65	95.45	2.85	0.74	0.087	0.247	94	204	16
				44654	50.14	51.58	1.44	96.48	2.61	0.27	0.042	0.103	66	206	6
				44655	51.58	52.52	0.94	92.86	5.27	1.05	0.090	0.197	59	552	16
				44656	52.52	53.95	1.43	90.70	6.79	1.51	0.066	0.244	32	646	19

DIAMOND DRILL LOG

A142

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-16

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
53.95	65.15	11.20	SH'D AND BX'D: CARBONACEOUS F.G.-M.G. LIME PKST-GRST WITH CARBON-RICH CALCAREOUS DOLOMITIC MDST INTERBEDS likely a continuation of above unit but with carbon-rich mdst interbeds present and less dolomite in the pkst-grsts, moderately to strongly stylolitic - carb-rich and highly irregular overall 10-15% calcite - locally up to 75%, calcite veins sh'd and bx'd pkst-grst: med- to dk-gy, bleached in places (associated with strong calcite veining), moderately sorted, small fragmental bioclasts <1/2cm - crinoid ossicles & stems and shells & shell frags; overall limy except for carbonaceous dolomitic stylolites and stringers mdst: dk-gy to blk relatively undisturbed pkst-grst: 60.20-61.16 large bx'd calcite vein: 61.13-61.23 dolomite only seems present in mdst blotches/beds, strongly sh'd and bx'd, v.highly variable abundant interbeds/blotches: 55.03-59.81 base marked at the noticeably large decrease in veining, bx'ion and shearing sharp fracture contact @ ~65° CA	44657	53.95	54.98	1.03	92.97	3.33	2.35	0.130	0.438	41	990	50
				44658	54.98	56.72	1.74	80.35	4.23	10.65	0.399	1.105	104	3688	111
				44659	56.72	58.02	1.30	93.73	2.16	2.90	0.177	0.337	53	963	43
				44660	58.02	59.79	1.77	83.41	6.80	6.40	0.289	0.839	83	2582	87
				44661	59.79	61.23	1.44	97.48	1.39	0.51	0.098	0.119	52	321	19
				44662	61.23	63.09	1.86	97.91	0.99	0.26	0.071	0.032	22	97	15
				44663	63.09	63.74	0.65	91.79	5.25	0.74	0.169	0.298	32	771	25
				44664	63.74	65.15	1.41	96.95	1.39	0.61	0.104	0.197	<20	570	16
65.15	89.44	24.29	INTERLAYERED CARBONACEOUS LIME PKST AND FINELY BEDDED CARB-RICH CALCAREOUS DOLOMDST overall 5-10% calcite as dominantly fine veinlets - locally up to 50%, v.strong Ca veining and carbon-rich stylolites & bx'ion in last ~1m of interval pkst: lt- to med-gy (med-gy to blk etched), poorly sorted, v.f.g. to c.g., weakly fractured, mud-rich, bioclasts: crinoid ossicles and stems, shells and shell frags, other too f.g. and fragmental to identify; limy except for carb-dolo stylos and stringers mdst: med- to dk-gy (blk etched), v.f.g., well-bedded (<1mm-1cm), v.strongly dolomitic and carbon-rich, moderately to strongly fractured along bedding, bedding throughout slightly variable but consistently 65°-85° CA dominantly pkst: 65.42-66.13, 66.58-67.78, 68.24-69.25, 73.83-75.13, 79.42-81.10, 83.50-87.16 base marked at the start of non-carb grst & bdst sharp but irregular stylolitic contact @ ~55° CA	44665	65.15	66.59	1.44	88.82	8.48	0.90	0.073	0.167	48	450	24
				44666	66.59	68.13	1.54	96.69	1.78	0.71	0.063	0.096	21	266	14
				44667	68.13	69.19	1.06	98.00	1.01	0.65	0.028	0.053	21	150	10
				44668	69.19	70.78	1.59	90.90	3.92	3.47	0.168	0.465	81	1351	32
				44669	70.78	72.35	1.57	88.98	4.97	3.71	0.218	0.589	123	1861	34
				44670	72.35	73.80	1.45	95.95	1.30	1.92	0.129	0.222	37	683	23
				44671	73.80	75.61	1.81	95.66	1.81	1.30	0.118	0.220	26	659	25
				44672	75.61	77.54	1.93	93.60	2.69	2.17	0.153	0.319	44	933	24
				44673	77.54	79.38	1.84	94.91	1.87	1.81	0.137	0.345	47	967	20
				44674	79.38	81.10	1.72	97.18	1.08	0.63	0.087	0.067	20	194	18
				44675	81.10	82.07	0.97	93.18	4.08	0.99	0.113	0.327	38	946	20
				44676	82.07	84.43	2.36	96.64	2.21	0.43	0.066	0.169	<20	492	11
				44677	84.43	84.54	0.11	98.21	0.83	0.05	0.027	0.026	<20	86	7
				44678	84.54	85.42	0.88	99.16	0.56	0.03	0.018	0.012	<20	41	5
				44679	85.42	86.05	0.63	97.41	1.86	0.15	0.038	0.058	20	158	9
				44680	86.05	87.16	1.11	98.27	0.86	0.28	0.066	0.114	21	332	7
				44681	87.16	89.43	2.27	94.29	3.90	0.70	0.128	0.302	28	794	19
89.44	103.01	13.57	WEAKLY CARBONACEOUS LIME PKST TO GRST lt- to dk-gy (lt-gy related to bleaching), weakly to moderately bleached throughout, poorly sorted, f.g. to c.g., weakly sheared and bx'd throughout by calcite veinlets, overall 5-10% calcite as abundant fine veinlets and replaced bioclasts (corals/stroms?) - locally up to 30%, weakly stylolitic - carb-rich and v.highly variable, weakly fractured throughout, clast-rich(?): shell frags, crinoid ossicles, coral and/or strom frags(?), bleaching makes ID difficult), long cylinder shapes with irreg x-sec; limy throughout except for carb-rich stylolites/stringers mod to strong bleaching: 89.95-90.93, 93.04-96.27, 101.75-103.01 base marked at the start of carb-rich sh'd and bx'd unit with abundant stylolites and strong	44682	89.43	91.30	1.87	98.26	0.68	0.28	0.067	0.037	30	99	16
				44683	91.30	93.00	1.70	99.11	0.61	0.04	0.030	0.014	<20	40	8
				44684	93.00	94.90	1.90	99.10	0.59	0.03	0.041	0.011	<20	29	8
				44685	94.90	96.74	1.84	98.31	0.61	0.08	0.052	0.010	24	29	9
				44686	96.74	98.28	1.54	99.09	0.58	0.07	0.029	0.015	52	45	15
				44687	98.28	100.09	1.81	99.16	0.58	0.02	0.032	0.010	27	33	8
				44688	100.09	101.35	1.26	98.93	0.62	0.13	0.032	0.006	<20	<30	9
				44689	101.35	103.00	1.65	98.56	0.61	0.05	0.043	0.009	21	<30	13

DIAMOND DRILL LOG

A143

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-16

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			carbon content ambiguous contact												
103.01	108.44	5.43	SH'D AND BX'D CARBONACEOUS SLIGHTLY DOLOMITIC LIMESTONE med-gy to blk (carbon-rich), moderately fractured, overall 10-15% calcite - locally up to 70%, veinlets often sh'd and bx'd themselves, v.strong carbon stylolites - variable and irregular up to ~10-15% overall, shearing and bx'ion make bioclast identification difficult - hard to tell bioclast abundance; some dolomite present in v.irregular (sh'd and bx'd) carbon-rich horizons/mottles and stylolites - probably <10% overall	44690	103.00	104.29	1.29	98.03	0.85	0.46	0.074	0.141	28	292	19
				44691	104.29	106.22	1.93	96.37	1.42	0.75	0.116	0.267	24	720	24
				44692	106.22	107.41	1.19	91.36	4.45	2.49	0.222	0.613	31	1696	44
				44693	107.41	108.40	0.99	96.33	1.44	0.84	0.093	0.210	34	608	18
			base marked at the contact with a v.large Ca vein sharp @ 70° CA												
108.44	111.09	2.65	CALCITE VEIN white with v.slight pink-orange tint, crystalline, homogeneous (nothing but Ca), weakly fract'd, v.weak surficial staining and hematite stringers throughout	44694	108.40	109.68	1.28	99.00	0.59	0.14	0.027	0.010	<20	42	23
				44695	109.68	111.07	1.39	99.11	0.55	0.07	0.022	0.010	<20	<30	29
			base marked at the start of sh'd and bx'd carb-rich unit sharp contact @ ~72° CA												
111.09	119.71	8.62	SH'D AND BX'D CARB-RICH LMST med- to dk-gy and lt-gy (lt-brownish-gy etched) where bleached, bleaching is v.strong - ~50% of interval is completely bleached (Ca-altered), the rest of interval is weak to mod bleached, occasionally can see margin of bleaching into carb-rich host rock, moderately to strongly stylolitic in weakly bleached - v.strongly carb and v.highly variable, overall 15-20% calcite as abundant veinlets, lg veins and puzzle bx - locally up to 80%; appears to be m.g.-c.g. bioclasts in weakly bleached rock but too difficult to identify (sh'd and bx'd), likely carb pkst-grst; bleached horizons v.limey with no noted dolomite in carb-rich rock (due to bleaching?)	44696	111.07	112.15	1.08	99.05	0.62	0.07	0.033	0.023	<20	65	9
				44697	112.15	113.73	1.58	97.23	0.99	0.59	0.069	0.187	36	508	13
				44698	113.73	115.20	1.47	99.01	0.60	0.05	0.043	0.028	<20	43	15
				44699	115.20	117.14	1.94	99.11	0.46	0.04	0.036	0.014	<20	39	10
				44700	117.14	118.71	1.57	98.53	1.04	0.05	0.051	0.028	<20	40	11
				44701	118.71	119.68	0.97	97.88	1.49	0.05	0.056	0.031	<20	37	13
			almost completely bleached horizons: 111.09-111.73, 115.18-117.15												
			base marked at sharp stylolitic contact with completely bleached (altered) lmst @ 65° CA												
119.71	133.91	14.20	BX'D BLEACHED LIMESTONE WITH CALCITE MATRIX lt- to med-gy (some lt-brownish-gy etched = bleaching), almost white in places, v.strongly bx'd and bleached - original textures cryptic, weak surficial staining and hematite stringers throughout, overall 15-20% calcite as veins and veinlets - locally up to 90%, puzzle bx, slightly vuggy throughout with coarse crystalline (translucent) calcite - saddle-shaped in places; limey throughout but start to see v.minor disseminated dolomite in last 1m of interval (<5%)	44702	119.68	121.82	2.14	98.84	0.70	0.09	0.058	0.042	<20	84	17
				44703	121.82	123.75	1.93	98.62	0.61	0.15	0.060	0.028	<20	77	22
				44704	123.75	125.76	2.01	98.91	0.60	0.18	0.057	0.025	<20	55	19
				44705	125.76	127.93	2.17	99.15	0.53	0.06	0.030	0.024	24	52	17
				44706	127.93	129.71	1.78	98.99	0.61	0.10	0.031	0.022	<20	50	25
				44707	129.71	131.52	1.81	98.53	0.90	0.11	0.056	0.054	<20	<30	26
				44708	131.52	133.11	1.59	99.09	0.56	0.06	0.017	0.025	<20	54	8
			v.strong Ca veining, bx'ion and surficial hematite staining: 130.90-131.50	44709	133.11	133.92	0.81	95.67	3.88	0.08	0.025	0.039	<20	81	19
			base marked at the noticeable increase in dolomite content and significant decrease in Ca ambiguous contact but changes v.quickly over 25-30cm												
133.91	138.40	4.49	BX'D LIMESTONE WITH V.STRONGLY DOLOMITIC MATRIX med-gy and lt-pink-gy (dolo), weak hematite staining causing pink tint, likely a continuation of above bx but dolomite content is much higher than Ca, overall <5% Ca as fine veinlets, overall 20-25% dolomite as bx matrix and minor replacement of host rock, difficult to tell if dolomite bx'd the host rock or simply replaced the Ca matrix afterwards, dolomite is f.g. but	44710	133.92	135.68	1.76	66.26	32.43	0.29	0.092	0.153	38	68	131
				44711	135.68	137.32	1.64	64.94	33.91	0.31	0.101	0.172	37	90	105
				44712	137.32	138.41	1.09	90.83	8.44	0.27	0.089	0.071	58	83	36

DIAMOND DRILL LOG

A144

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-16

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)	
			appears almost crystalline in places - up to 80% locally													
			base marked at sharp and bx'd contact with carb-rich unit @ ~75° CA													
138.40	139.97	1.57	SH'D AND BX'D CARB-RICH DOLOMITIC LIME PKST dk-gy to blk, poorly sorted, v.f.g. to c.g., strongly stylolitic - carb-rich and v.highly variable, overall 5-10% calcite as fine veinlets - locally up to 40%, veinlets bx'd and sh'd, moderately fractured throughout, mud-rich, only c.g. bioclasts are identifiable (sh'd): shells and shell frags, crinoid ossicles and stems, colonial coral frags (?), cannot see internal structure); disseminated dolomite present in irregular carb-rich horizons/beds - 10-15% overall	44713	138.41	139.97	1.56	88.10	8.27	1.89	0.154	0.401	45	831	31	
			base marked at start of dolo mottled carb-rich wkst-mdst and significant decrease in sh'ing and bx'ion													
			sharp stylo contact @ ~55° CA													
139.97	188.41	48.44	CARB-RICH LIME MDST TO WKST WITH DOLOMUD MOTTLES lt-brownish-gy and med- to dk-gy (dk-gy to blk etched), dolomite mottling (lt-gy etched in strongly dolo sections) causes lt color, moderately sorted, v.f.g. to m.g., clasts <1cm, weakly to moderately fractured throughout with v.minor surficial weathering, weak carb stylolites throughout - highly variable, mud-rich, appears bioclast-rich in sections but too difficult to see due to mottling, bioclasts: shell frags & crinoid ossicles (v.small); overall <5% calcite - locally up to 15%; dolomite mottling is v.irregular and associated with thin, wavy (almost jagged) lines - flow or alteration feature?; overall weak mottling and disseminated dolomite throughout (10-15% dolo); dolomite appears secondary	44714	139.97	141.83	1.86	98.60	1.05	0.10	0.040	0.019	21	<30	9	
			v.strong pervasive dolomite mottling/alteration (persists through host rock): 143.34-145.39, 157.10-160.15, 161.54-166.73, 172.76-175.87	44715	141.83	143.37	1.54	98.32	1.27	0.05	0.037	0.018	<20	35	6	
			up to 90% dolomite (tried to break out horizons for sampling)	44716	143.37	145.39	2.02	92.95	6.33	0.01	0.036	0.017	20	<30	5	
			dolomite appears to brecciate host rock: ~175.30-175.87	44717	145.39	147.49	2.10	97.67	1.79	0.07	0.021	0.086	27	42	4	
			short interval of pkst (bioclast-rich?) with v.fragmented small (<1cm) bioclasts: 155.34-156.22	44718	147.49	149.46	1.97	96.93	2.39	0.05	0.039	0.015	<20	34	4	
			still dolo mottles; contacts are sharp but v.irregular both @ ~65° CA	44719	149.46	151.38	1.92	96.79	2.58	0.14	0.022	0.009	25	30	4	
			wkst horizon with larger bioclasts (up to 2cm) - oncolites, carb-rich stylos, ~15% calcite, moderately fractured, still dolomite mottling: ~166.73-168.83	44720	151.38	153.17	1.79	95.29	4.11	0.10	0.025	0.015	<20	<30	4	
			base marked at the transition to mostly non-carb wkst-grst and less dolomite mottling somewhat ambiguous, stylolitic contact used as marker @ ~85° CA	44721	153.17	155.31	2.14	98.23	1.11	0.01	0.031	0.009	<20	<30	4	
				44722	155.31	156.22	0.91	98.88	0.83	0.02	0.033	0.009	24	<30	5	
				44723	156.22	158.08	1.86	95.61	3.78	0.09	0.034	0.014	23	<30	6	
				44724	158.08	160.18	2.10	89.15	10.05	0.39	0.028	0.018	58	65	6	
				44725	160.18	161.54	1.36	95.35	4.20	0.16	0.028	0.023	<20	33	4	
				44726	161.54	163.68	2.14	81.95	17.38	0.16	0.033	0.062	40	71	8	
				44727	163.68	165.32	1.64	81.62	17.79	0.15	0.033	0.045	28	86	10	
				44728	165.32	166.73	1.41	86.77	12.72	0.17	0.080	0.023	25	52	18	
				44729	166.73	168.82	2.09	96.31	3.06	0.20	0.065	0.035	<20	81	19	
				44730	168.82	170.52	1.70	98.54	0.91	0.07	0.039	0.063	28	33	7	
				44731	170.52	172.77	2.25	97.94	1.54	0.10	0.075	0.028	<20	38	12	
				44732	172.77	174.32	1.55	73.68	24.94	0.66	0.082	0.139	71	328	26	
				44733	174.32	175.87	1.55	71.39	27.70	0.47	0.043	0.113	54	242	22	
				44734	175.87	177.75	1.88	92.31	6.72	0.43	0.034	0.059	44	171	21	
				44735	177.75	179.26	1.51	98.34	0.95	0.22	0.054	0.061	<20	107	13	
				44736	179.26	181.08	1.82	97.36	2.23	0.08	0.017	0.029	<20	62	11	
				44737	181.08	182.42	1.34	91.63	7.58	0.16	0.043	0.035	<20	57	17	
				44738	182.42	183.90	1.48	93.65	5.55	0.16	0.061	0.133	<20	86	26	
				44739	183.90	185.43	1.53	97.97	1.62	0.07	0.022	0.029	<20	47	22	
				44740	185.43	187.38	1.95	91.36	7.31	0.21	0.090	0.073	33	166	19	
				44741	187.38	188.32	0.94	93.33	5.78	0.28	0.087	0.072	29	171	31	
188.41	196.65	8.24	INTERLAYERED LIME WKST AND PKST WITH WEAK DOLOMUD MOTTLING lt- to dk-gy (lt-gy due to dolomite mottling), med-brownish-gy etched, minor dk-gy to blk beds of wkst and pkst (1-50cm) separated by stylolites, overall <5% calcite as fine veinlets and bioclast replacement, moderate to strong carb dolo stylolites - separate beds commonly @ 70°-85° CA, v.weakly fractured throughout	44742	188.32	189.08	0.76	95.70	2.96	0.56	0.073	0.143	35	374	28	
				44743	189.08	192.09	3.01	97.79	1.37	0.16	0.025	0.034	<20	91	34	
				44744	192.09	193.00	0.91	96.76	1.24	0.84	0.183	0.296	45	642	48	
				44745	193.00	194.02	1.02	94.37	2.86	1.50	0.260	0.406	63	1129	73	
				44746	194.02	194.79	0.77	56.19	31.59	6.92	0.789	1.752	299	6104	136	
				44747	194.79	196.65	1.86	95.78	0.99	1.43	0.146	0.457	61	1421	45	

DIAMOND DRILL LOG

A145

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-16

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			wkst: well sorted, v.f.g. to f.g., mud-rich, difficult to identify bioclasts (<2mm and fragmental), crinoid ossicles and stems, shells and shell frags												
			pkst: poorly sorted, v.f.g. to c.g., clast-rich, same bioclasts as wkst but coarser-grained												
			dolomite mottling as in above unit but less, most dolomite is finely disseminated or assoc with carb stylos and wavy lines (microfractures or sol'n texture), overall 5-10% dolomite - locally up to 30%												
			c.g. pkst-grst - v.fragmented bioclasts and slightly bx'd: 190.06-192.08, 192.98-193.88, 195.60-196.65 (possibly colonial coral frags present - no visible internal structure)												
			dk-gy to blk carbon-rich wkst: 194.02-194.80												
			base marked at the last noted c.g. pkst (-grst) bed and the start of f.g. wkst-pkst stylolitic contact @ ~80° CA												
196.65	203.51	6.86	LIME WKST TO PKST WITH WEAK DOLOMUD MOTTLES	44748	196.65	197.37	0.72	96.51	2.81	0.30	0.032	0.066	21	216	31
			lt- to med-gy, med-gy and lt-brownish-gy (stroms?) etched, moderately sorted, v.f.g. to m.g., overall <5% calcite as fine veinlets and replaced bioclasts, weakly fractured throughout, mud-rich, bioclasts fragmented and small (<½cm): shells and shell frags, crinoid ossicles and stems, possibly some colonial coral frags (round x-sec and hint of internal structure but replaced by Ca); weak dolomite mottling throughout with microfractures/sol'n texture, overall 5-10% dolomite; host rock is quite limey - no primary dolo noted	44749	197.37	198.65	1.28	94.24	4.77	0.32	0.039	0.063	<20	199	29
				44750	198.65	200.13	1.48	97.95	1.03	0.23	0.033	0.024	<20	90	27
				44751	200.13	201.25	1.12	92.89	4.63	1.20	0.166	0.413	44	1376	41
				44752	201.25	202.91	1.66	96.75	2.66	0.20	0.069	0.047	20	155	31
				44753	202.91	203.52	0.61	98.93	0.65	0.12	0.049	0.020	<20	65	28
			weakly bx'd with abundant microfractures and dolomud matrix: 197.35-198.63, 200.14-201.24 up to 40% dolomite												
			weakly bx'd with strong Ca (up to 25%) and weakly dolo matrix: 201.24-202.91												
			base marked at start of bioclast-rich rock with less dolomite mottling and definitive corals ambiguous continuous contact												
203.51	209.20	5.69	CORAL-STROM LIME BDST WITH ASSOCIATED C.G. LIME PKST	44754	203.52	204.50	0.98	98.39	0.64	0.21	0.051	0.027	<20	82	27
			lt- to med-gy, med-gy and lt-brownish-gy etched, poorly sorted, v.f.g. to c.g., overall 5-10% calcite, commonly Ca-replaced bioclasts and weak puzzle bx - locally up to 30-40% Ca, moderately stylolitic - v.highly variable and dk color but not strongly carb, weakly fractured throughout, bioclast-rich: pellets, shells and shell frags, crinoid ossicles and stems, colonial coral (frags and in place), strom mat frags (?), cannot see internal structure but typical character); bioclasts (especially f.g.) are difficult to identify due to Ca-replacement and bx'ion; v.weak dolomite mottling with microfractures, <2% dolomite, overall limey	44755	204.50	206.35	1.85	98.85	0.74	0.16	0.048	0.019	32	66	32
				44756	206.35	207.73	1.38	98.49	0.89	0.23	0.062	0.049	22	158	35
				44757	207.73	209.19	1.46	96.43	2.70	0.43	0.084	0.089	22	280	36
			short horizon of f.g.-m.g. pkst-grst in last 60cm of interval												
			base marked at the start of carbonaceous wkst-pkst sharp stylolitic contact @ ~70° CA												
209.20	224.35	15.15	CARB-RICH LIME WKST TO PKST WITH WEAK DOLOMUD MOTTLES	44758	209.19	211.06	1.87	96.39	2.04	0.72	0.162	0.165	48	538	30
			med-gy with minor lt-gy (dolo mottling), etches dk-gy to blk, well-sorted, v.f.g. to f.g., weakly stylolitic - carb and v.highly variable, overall <5% calcite as fine veinlets and replaced bioclasts, weakly fractured throughout, carb content is consistent throughout (~10-20%), mud-rich, bioclasts: shell frags, crinoid ossicles, rare Ca-replaced shell frag up to 1cm,	44759	211.06	212.85	1.79	97.30	1.36	0.65	0.143	0.157	26	526	25
				44760	212.85	214.67	1.82	95.21	3.07	0.95	0.136	0.230	39	782	20
				44761	214.67	216.26	1.59	88.96	9.43	0.83	0.114	0.171	56	544	21
				44762	216.26	218.00	1.74	96.89	1.66	0.75	0.130	0.189	40	643	21

DIAMOND DRILL LOG

A146

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-16

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			v.minor clast-rich f.g. pkst; overall ~5% dolomite, dolo mottling varies from v.weak to moderate, microfractures throughout dolo sections	44763	218.00	219.46	1.46	96.73	1.13	1.13	0.187	0.303	33	986	30
				44764	219.46	220.93	1.47	96.58	1.23	1.34	0.159	0.283	44	958	28
				44765	220.93	222.59	1.66	96.91	1.10	1.17	0.174	0.264	47	876	26
			base marked at the start of bx'd c.g. pkst-grst sharp stylolitic contact @ ~80° CA	44766	222.59	224.34	1.75	95.98	1.41	1.54	0.197	0.353	34	1180	29
224.35	245.46	21.11	SHEARED AND BX'D: INTERLAYERED CORAL-STROM LIME BDST AND CARB-RICH LIME PKST WITH CARB DOLOMDST MATRIX	44767	224.34	225.26	0.92	92.02	5.90	1.18	0.090	0.271	82	894	43
			moderate to strong highly carb stylolites - v.highly variable and separate units, overall <5% calcite as fine veinlets, replaced bioclasts and porosity fill; weakly fractured throughout, dolomite content varies but overall ~15-20%	44768	225.26	226.89	1.63	94.80	3.10	0.97	0.084	0.203	816	663	36
				44769	226.89	227.69	0.80	98.33	0.84	0.32	0.086	0.033	72	100	42
				44770	227.69	229.54	1.85	96.97	1.53	0.61	0.098	0.153	58	483	41
				44771	229.54	231.32	1.78	97.79	1.00	0.54	0.068	0.138	97	479	39
				44772	231.32	233.16	1.84	97.87	1.02	0.40	0.107	0.165	61	526	42
			bdst: lt- to med-gy (lt-gy due to dolo mottling), med-gy and brownish-gy (stroms?) etched, poorly sorted, v.f.g. to c.g., only c.g. bioclasts visible due to shearing and bx'ion, bioclast-rich: shells and shell frags, crinoid ossicles and stems, fragmented colonial coral and strom mats (? , no internal structure visible); limey where not affected by bx'n/mottling, tends to be weakly to strongly bx'd with weak dolo mottling and dolomud and carb-rich mud matrix up to 30-40% dolomite	44773	233.16	233.74	0.58	88.83	10.15	0.44	0.109	0.089	68	253	51
				44774	233.74	234.19	0.45	97.91	1.17	0.28	0.065	0.103	55	324	41
				44775	234.19	236.07	1.88	77.60	21.40	0.47	0.077	0.092	90	245	49
				44776	236.07	237.28	1.21	97.86	1.09	0.32	0.106	0.139	64	370	45
				44777	237.28	238.82	1.54	85.30	13.22	0.50	0.139	0.156	95	450	54
				44778	238.82	241.28	2.46	95.91	3.35	0.23	0.089	0.083	63	253	45
				44779	241.28	242.93	1.65	88.46	10.68	0.24	0.130	0.086	73	242	52
			pkst: lt- to dk-gy (lt-gy due to dolo mottling), etches dk-gy to blk, moderately to poorly sorted, v.f.g. to f.g., locally v.f.g. to m.g., bioclast-rich: shells and shell frags, crinoid ossicles and stems, some colonial coral frags; minor disseminated dolomite throughout <5% (primary?), tends to be weakly to strongly sheared with weak to v.strong dolomud mottling (replaced?)	44780	242.93	243.98	1.05	79.63	18.96	0.35	0.134	0.154	89	460	60
				44781	243.98	244.42	0.44	96.24	3.08	0.15	0.115	0.071	61	206	50
			dominantly pkst: 233.17-233.75, 234.14-236.04, 237.27-238.86, 241.27-243.97, 244.35-245.46 strongly bx'd bdst: 224.35-226.89, 227.69-229.55, 233.75-234.18, 236.04-237.27 v.strong dolomud mottling/replacement up to 90% dolo: 235.36-236.04, 237.87-238.86 strong dolomite (& siliceous?) band that brecciates bdst: 243.99-244.35 v.minor disseminated py												
			base marked at the start of dark bdst unit sharp slightly stylolitic contact @ ~50° CA												
245.46	255.65	10.19	WEAKLY CARB CORAL-STROM DOLOMITIC LIME BDST	44782	244.42	247.19	2.77	96.09	3.11	0.32	0.065	0.078	68	236	43
			lt- to med-gy, dk-gy and med-brownish-gy (stroms) etched, weakly fractured throughout, overall 10-15% calcite as fine veinlets, replaced bioclasts and porosity fill - locally up to 30%, weak to moderate bx'ion by calcite veining throughout, minor carbonaceous stringers/stylos throughout - highly variable, only c.g. bioclasts are identifiable but bioclast-rich: crinoid ossicles and stems, shells and shell frags, v.abundant strom frags, minor colonial coral frags; v.minor c.g. pkst-grst (<10%) in between strom-rich sections; weak dolomud mottles and stringers throughout, overall ~5% dolomite; suspect rock was limey initially and dolomite is secondary	44783	247.19	249.02	1.83	94.56	4.35	0.22	0.043	0.055	58	154	40
				44784	249.02	250.68	1.66	95.72	3.74	0.18	0.048	0.057	61	156	41
				44785	250.68	252.41	1.73	97.42	1.77	0.27	0.154	0.055	75	142	55
				44786	252.41	254.03	1.62	97.45	1.87	0.25	0.066	0.050	57	118	44
				44787	254.03	255.64	1.61	97.39	2.05	0.15	0.072	0.044	59	104	42
			lighter color (weak carb or bleaching?): 254.00-255.49												
			base marked at the start of non-carb (bleached) pkst-grst sharp fractured contact @ ~65° CA												
255.65	261.85	6.20	SHEARED AND BX'D LIME PKST TO GRST	44788	255.64	257.45	1.81	98.63	0.77	0.08	0.051	0.040	48	111	36
			lt-gy, lt-brownish-gy to med-gy etched, weakly bleached throughout - difficult to identify	44789	257.45	259.12	1.67	98.72	0.52	0.08	0.053	0.032	46	83	37

DIAMOND DRILL LOG

A147

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-16

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			bioclasts, weakly to moderately fractured throughout, overall 10-15% calcite as fine veinlets and common replaced bioclasts, moderately to strongly bx'd by calcite, poorly sorted, f.g. to c.g., bioclast-rich: f.g. pellets, c.g. crinoid ossicles and stems, f.g.-c.g. shells and shell frags, corals and/or strom frags(?); limey throughout - no noted dolomite	44790	259.12	260.66	1.54	98.53	0.64	0.45	0.065	0.035	98	106	39
				44791	260.66	261.86	1.20	98.68	0.79	0.10	0.071	0.036	51	98	40
			base marked at the start of carb-rich unit sharp contact @ 70° CA (=bedding?)												
261.85	266.42	4.57	WEAKLY CARB CORAL-STROM LIME BDST WITH ASSOCIATED WEAKLY CARB LIME PKST	44792	261.86	263.06	1.20	97.83	0.91	0.46	0.086	0.058	76	133	41
			lt- to med-gy, dk-gy and med-brownish-gy etched (stroms), lighter color due to bleaching, weakly sh'd and bx'd throughout, overall weakly fractured, weak carb stylolites - variable, overall 10-15% calcite as veins/veinlets, replaced bioclasts and porosity fill - locally up to 40%, weakly bx'd by Ca veins throughout, poorly sorted, v.f.g. to v.c.g., f.g. bioclasts difficult to identify due to bleaching and bx'ion, bioclast-rich: f.g. pellets(?), shells and shell frags, crinoid ossicles and stems, strom frags; minor disseminated dolomite throughout, overall <5% dolomite	44793	263.06	264.26	1.20	98.46	0.82	0.34	0.060	0.042	74	118	40
				44794	264.26	265.15	0.89	97.62	1.73	0.19	0.069	0.068	48	183	39
				44795	265.15	266.42	1.27	98.63	0.73	0.23	0.063	0.037	51	101	39
			minor carb dolomdst horizons: 261.85 (1cm), 262.06 (1cm), 262.16 (½cm), 264.91-264.84, 265.07 (1cm) strong dolomud mottling (~50% dolomite): 264.43-264.54												
			large Ca vein (or void/porosity fill): 264.62-264.84												
			bedding: 67° @ 261.87, other indicators too stylolitic or irregular												
			base marked at the disappearance of visible stroms and increased bleaching and veining ambiguous contact												
266.42	272.46	6.04	BLEACHED LIMESTONE	44796	266.42	268.29	1.87	98.65	0.63	0.19	0.033	0.057	40	88	34
			lt-gy, med-gy etched, moderately to strongly bleached throughout - difficult to identify bioclasts, moderately to strongly bx'd throughout, weakly to strongly fractured, minor hematite stringers throughout, overall 15-20% calcite as veins/veinlets and replaced bioclasts - locally up to 60%, only c.g. bioclasts visible: shell frags and crinoid ossicles (originally pkst/grst?); limey throughout - no trace of dolomite	44797	268.29	270.28	1.99	98.77	0.67	0.19	0.042	0.066	45	127	35
				44798	270.28	271.11	0.83	97.59	1.64	0.15	0.088	0.078	46	207	40
				44799	271.11	272.42	1.31	97.94	0.78	0.51	0.103	0.201	74	521	40
			strongly fractured: 271.09-271.89 strongly bx'd with strong surficial weathering along fractures: 271.88-272.39												
			base marked at the start of bx'd carb-rich unit sharp stylolitic contact @ ~80° CA												
272.46	275.01	2.55	SH'D AND BX'D: CARB-RICH PKST WITH V.MINOR CARB CALCAREOUS DOLOMDST INTERBEDS	44800	272.42	273.96	1.54	96.08	2.09	0.77	0.149	0.238	73	613	43
			med- to dk-gy, dk-gy to blk etched, minor lt-gy dolomud mottling, overall 5-10% calcite as fine veinlets and replaced bioclasts, mod to strong carb stylolites - variable, weakly to moderately fractured throughout, cycles (if present) are cryptic, poorly sorted, v.f.g. to c.g., only c.g. bioclasts identifiable due to shearing and bx'ion - v.fragmented, bioclast-rich: crinoid ossicles and stems, shell frags, strom frags; overall 5-10% dolomite, minor disseminated dolomite and dolomud mottling	44801	273.96	275.00	1.04	98.82	0.72	0.10	0.080	0.042	47	72	36

DIAMOND DRILL LOG

A148

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-16

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			carb dolomdst beds: 272.48-272.52, 273.73 (1cm), 273.96-274.01, 274.05-274.08, 274.38 (1cm), 274.72-274.86												
			base marked at the start of non-interbedded carb pkst sharp stylolitic contact @ ~65° CA												
275.01	286.86	11.85	WEAKLY CARBONACEOUS LIME PKST TO GRST	44802	275.00	276.66	1.66	92.62	4.21	1.05	0.242	0.416	78	1176	43
			lt- to med-gy, med- to dk-gy etched, light color due to bleaching - mod to strong throughout (related to calcite), weakly to moderately fractured throughout, weak carb stylos - variable, overall 5-10% calcite as veins/veinlets and replaced bioclasts, calcite brecciates host rock, poorly sorted, v.f.g. to c.g., bleaching and weak sh'ing & bx'ion make bioclasts difficult to identify, bioclast-rich (fragmented): crinoid ossicles and stems, shells and shell frags, strom and/or coral frags(?); minor disseminated dolomite and dolomud mottles throughout except for strongly bleached sections	44803	276.66	278.12	1.46	98.61	0.82	0.13	0.081	0.044	53	111	36
				44804	278.12	279.70	1.58	97.58	1.77	0.19	0.043	0.030	58	84	30
				44805	279.70	280.42	0.72	98.26	0.96	0.36	0.043	0.043	53	114	30
				44806	280.42	281.57	1.15	98.90	0.60	0.19	0.050	0.034	43	78	33
				44807	281.57	283.63	2.06	98.67	0.62	0.28	0.079	0.034	51	80	34
				44808	283.63	284.31	0.68	98.58	0.66	0.28	0.049	0.088	49	96	31
				44809	284.31	286.86	2.55	98.24	0.96	0.25	0.049	0.053	52	141	29
			strongly bleached - no original textures: 280.38-281.67												
			F.U.C.'s present but cryptic due to bleaching: 279.30-279.36												
			base marked at a decrease in bleaching and an increase in carb dolo interbeds sharp stylolitic contact @ ~65° CA												
286.86	293.89	7.03	CARB V.F.G. TO C.G. DOLOMITIC LIME PKST WITH CARB-RICH CALCAREOUS DOLOMDST INTERBEDS	44810	286.86	288.65	1.79	97.76	1.37	0.51	0.081	0.049	65	118	37
			med- to dk-gy (dk-gy to blk etched) with blk silty(?) mdst interbeds, med-gy rock due to bleaching?, weakly to moderately sheared and bx'd throughout, moderate to strong carb stylolites throughout, overall 5-10% calcite as fine veinlets, pkst poorly sorted, bioclast-rich: crinoid ossicles and stems, shells and shell frags, fragmented stroms(?); only c.g. bioclasts identifiable, overall 20-30% dolomite present as finely disseminated (primary?) and large (cm-scale) irregular mottles (secondary?)	44811	288.65	290.38	1.73	89.19	8.28	0.83	0.163	0.305	103	895	41
				44812	290.38	292.06	1.68	94.71	3.92	0.54	0.061	0.066	83	170	36
				44813	292.06	293.93	1.87	88.71	9.19	0.73	0.167	0.262	83	574	44
			F.U.C.'s (difficult to see due to bleaching and shearing): 291.27-291.44, 292.69-292.86, 293.37-293.47, -293.54												
			mdst interbeds: 286.66 (1½cm, wavy), 286.87 (1cm, wavy), 286.99 (2cm, wavy), 286.97-289.38 (several <1cm, v.wavy), 289.81 (½cm, wavy), 290.11-290.22 (several <1cm, wavy), 290.34 (1cm), 290.36-290.39, 292.56 (1cm, v.wavy)												
			bedding - relatively unreliable due to wavy & stylolitic nature 83° @ 290.34, noted elsewhere 70°-80° CA												
			base marked at the start of abundant interbeds (entirely Unit 1A) sharp and stylolitic contact @ ~65° CA												
293.89	303.89	10.00	INTERBEDDED DOLOMITIC LIME PKST AND DOLOMDST	44814	293.93	295.70	1.77	90.72	6.12	1.28	0.234	0.421	78	1074	47
			med-gy to blk, continuation of above unit but with more abundant interbeds, weakly to mod bx'd throughout, mdst is v.strongly carbonaceous and argillaceous - often wavy/stylolitic	44815	295.70	297.46	1.76	95.95	2.97	0.25	0.044	0.062	49	153	29
				44816	297.46	299.07	1.61	92.21	6.42	0.30	0.048	0.077	71	182	32
				44817	299.07	301.25	2.18	80.50	11.93	2.84	0.547	1.164	148	3686	73
			bedding variable but generally 70°-75° CA	44818	301.25	302.46	1.21	89.88	9.17	0.19	0.069	0.078	74	198	36

DIAMOND DRILL LOG

A149

Company: GRAYMONT WESTERN CANADA INC.
Project: Giscome Fall Drilling 2007

HOLE No. PAT07-16

From m	To m	Tkns m	Description	Sample #	From m	To m	Length m	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	Na ₂ O (ppm)	K ₂ O (ppm)	MnO (ppm)
			most reliable in non-stylo/non-bx'd horizons: 300.55-300.70, 300.86-300.94 EOH = 303.94 m	44819	302.46	303.89	1.43	87.24	10.44	0.63	0.152	0.276	88	579	33

APPENDIX 5: 2007 SAMPLE DESCRIPTIONS AND ASSAY RESULTS FROM THE HANSARD AREA

Notes: Stratigraphic thicknesses are based on measured attitudes of bedding listed below, with appropriate interpolations.
 Attitudes are strike and dip (right-hand rule). Samples are listed in order from stratigraphic top to bottom.
 Most samples consist of chips at 30 cm intervals. UTM coordinates are NAD83.

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
Isolated Station: WEST OF HANSARD QUARRY										
27651	grab	Lime Mudstone , tan to grey weathered, medium-grey fresh, micritic to cryptocrystalline, limonite/surficial weathering	94.72	1.00	2.88	0.63	0.32	559	152	<100
Section 2007-01: WEST OF HANSARD QUARRY										
27652	3	Lime Mudstone , medium-brownish to grey weathered, medium-grey fresh, massive, homogeneous, micritic to very fine-grained, moderately fractured with penetrative fabric throughout, very minor calcite veining, white calcite smeared along fault planes, minor sulphides, pyrite blebs, good to very good reaction with HCl, very resistant, bedding 294°/24° N, fault plane 084°/72° S, slickensides on surface with associated moderately smeared calcite, two major orientations 31°-084° E, 05°-264° W, (cleavage?) 112°/67° S, fracture surface 176°/80° W that is discontinuous and sharp with 1 cm white calcite fill	89.66	5.03	3.20	0.56	0.71	867	471	<100
27653	1.5	Lime Mudstone , tan, grey to white weathered, medium-grey fresh, micritic to cryptocrystalline, massive, homogenous, minor calcite veining, white calcite along fault planes, penetrative fabric, weakly fractured, volcanic blobs oozed on Lime Mudstone, good reaction with HCl, minor phyllitic sheen, picture # 12, bedding 286°/28° N, fault plane 016°/78° E east block down, normal sense, with slickensides orientated at 71°-178° S, penetrative fabric (cleavage?) 112°/72° S	87.23	4.07	5.32	1.57	0.64	880	371	<100
27654	3	Lime Mudstone , same as 27653, more abundant phyllitic sheen near the north end of the outcrop, another bed 1.5 m above that was not reachable, bedding shallows 276°/20° N, fault plane 005°/86° E, with slickensides in calcite orientated at 08°-005° N	85.65	4.91	5.69	1.40	1.10	789	1167	2488

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
Section 2007-02: WEST OF HANSARD QUARRY										
27655	2	Lime Mudstone , light-grey weathered, medium- to dark-grey fresh, micritic to cryptocrystalline, massive beds that are about 0.25 m to 1.5 m thick, well-fractured near fault, with minor calcite veining, good to very good reaction with HCl, harder to break than section to the west, volcanics noted about 15 m to the north of the samples, penetrative fabric is more intense near fault 106°/59° S, fault plane 276°/85° N, slickenside on calcite and rock reactivated 086°-37° E	91.80	2.49	3.69	0.87	0.51	799	302	<100
27656	2.5	Lime Mudstone , same as 27655, bedding of 019°/18° E-SE	86.84	3.75	5.46	1.26	0.83	741	407	195
Isolated Station: SOUTHWEST OF HANSARD QUARRY										
27657	0.5	Dolostone (?) , rusty weathered, medium- to dark-grey fresh, cryptocrystalline, indesept, minor fine white calcite veinlet that reacts with HCl, no reaction with HCl and main outcrop, very weak reaction with powdered rock and HCl, no dependable bedding	3.26	4.10	25.60	8.32	4.73	13	167	590
Isolated Station: SOUTHWEST OF HANSARD QUARRY										
27658	grab	Lime Mudstone , light-grey weathered, medium-grey fresh, cryptocrystalline to fine-grained, moderate to strong milky white calcite veinlets that appear to be healed fractures, minor limonite surficial weathering, excellent reaction with HCl, possible bedding 220°/56° NW, very difficult to tell if this is true bedding	96.78	0.65	1.15	0.29	0.22	4149	83	154
Isolated Station: SOUTHWEST OF HANSARD QUARRY										
27659	grab	Lime Mudstone , same as 27658	96.83	1.15	0.61	0.22	0.29	3358	103	<100
Isolated Station: SOUTHWEST OF HANSARD QUARRY										
27660	grab	Lime Mudstone , same as 27658	98.26	0.50	0.29	0.11	0.13	4462	84	187

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
27669	2.5	Lime Mudstone , light-grey and tan-grey weathered, light-grey fresh, micritic to very fine-grained (mostly cryptocrystalline, minor limonite and hematite (blebs) surficial weathering/staining, moderately fractured, patchy outcrop, moderate calcite veining, excellent reaction with HCl, bedding plane of 122°/78° SW	97.76	0.60	0.19	0.11	0.16	3589	57	113
-	2.5	covered								
27670	1	Lime Mudstone , same as 27669, thinly bedded-banded (cm scale), bedding 116°/68° S, joint? 280°/58° spaced 3 to 10cm apart, a less common plane can be seen 219°/vert	97.86	0.57	0.25	0.10	0.12	3426	57	112
-	0.2	covered								
27671	2.5	Lime Mudstone , same as 27670	97.25	0.63	0.36	0.14	0.15	3732	62	168
Isolated Station: SOUTHWEST OF HANSARD QUARRY										
27672	grab	Lime Mudstone , light-brownish grey minor rusty weathered, light- to medium-grey and tan-grey fresh, micritic to cryptocrystalline, moderate to strong white calcite veinlets and veins, variable minor limonite and hematite blebs and along fractures, very good reaction with HCl	97.97	0.62	0.40	0.18	0.17	3602	68	275
Section 2007-04: OLD QUARRY ON AUTO RIDGE										
27673	3	Lime Mudstone , tan to medium-grey weathered, medium- to dark-grey fresh, micritic to cryptocrystalline, strongly fractured, rubbly moderate calcite veining which appears to be random, smeared calcite on fracture surface, strong fast reaction with HCl, bedding not apparent, fault surface 011°/78° E, slickenline on above surface 19°-047° NE	96.42	0.34	1.33	0.31	0.26	6438	76	326
27674	3	Lime Mudstone , same as 27673, hematite blebs and staining, possible bedding of 198°/44° W, fault surface 221°/52° NW	96.98	0.41	1.12	0.27	0.27	5964	76	332
27675	3	Lime Mudstone , same as 27674, abundant hematite staining and blebs, stronger calcite veining, two fault surfaces, fault surface #1 is 351°/78° E, and fault surface #2 is 220°/76° NW	95.65	0.73	2.12	0.32	0.29	5959	88	429
27701	3	Lime Mudstone , same as 27675, slightly more competent near the top, possible bedding plane of 199°/49° W, large fault surface 002°/77° E	97.03	0.53	0.76	0.25	0.25	5241	74	423

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
Section 2007-05: OLD QUARRY ON AUTO RIDGE										
27702	3	Lime Mudstone , tan and medium-grey weathered, mottled, light- to medium-grey fresh, micritic, 5 to 50 cm beds (?), strongly fractured, rubbly abundant calcite veins and along fractures abundant hematite blebs and staining, strong reaction with HCl. fracture surface 248°/56° N	96.99	1.41	0.50	0.26	0.22	3260	73	221
27703	3	Lime Mudstone , same as 27702, micritic to cryptocrystalline, bedding plane of 195°/48° W	97.28	1.29	0.40	0.20	0.25	3008	71	496
27704	3	Lime Mudstone , same as 27703, bedding plane of 188°/69° W, fault surface 223°/71° NW, and slickenline on above 39°-011° N	97.09	0.82	0.39	0.19	0.22	3922	65	217
Isolated Station: SOUTHWEST OF HANSARD QUARRY										
27705	grab	Lime Mudstone , light brownish-grey weathered, light- to medium-grey fresh, cryptocrystalline, minor micritic, strong reaction with HCl, bedding not apparent, weakly fractured, minor calcite veining	96.10	0.84	1.36	0.35	0.24	2838	98	158
Isolated Station: SOUTHWEST OF HANSARD QUARRY										
27706	grab	Lime Mudstone , tan and light-grey weathered, medium-grey fresh, cryptocrystalline, possible beds 0.1m to 0.5 m thick, weakly fractured, minor calcite veining, possible bedding plane of 204°/38° W	97.36	0.54	0.34	0.15	0.13	4697	76	172
Isolated Station: RIDGE NORTHWEST OF HANSARD QUARRY										
27707	2.5	Lime Mudstone , tan and light-grey-weathered, medium- to dark-grey fresh, micritic to cryptocrystalline, minor calcite veining moderately fractured, strong reaction with HCl, Trevor's camera 001, beds about 0.5m thick and orientated at 053°/34° SE, joint surface is 241°/81° N	90.70	5.50	1.30	0.35	0.55	1187	320	111
Isolated Station: RIDGE NORTHWEST OF HANSARD QUARRY										
27708	3	Lime Mudstone , tan and light-grey weathered, medium-grey fresh, cryptocrystalline, weakly fractured, moderate calcite veining and along fractures, strong reaction with HCl, bedding indeterminate, possible bedding plane 025°/28° SE, fault surface 082°/52° SW	95.09	1.09	2.35	0.45	0.25	617	137	119

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
Isolated Station: RIDGE NORTHWEST OF HANSARD QUARRY										
27709	3	Lime Mudstone , light-grey and orange weathered, medium-grey fresh, cryptocrystalline, moderately fractured, minor calcite veining, strong reaction with HCl, bedding plane 079°/49° S, fracture surface 236°/78° NW	92.58	2.93	2.70	0.73	0.43	631	265	<100
Isolated Station: RIDGE NORTHWEST OF HANSARD QUARRY										
27710	4	Lime Mudstone , brownish medium-grey weathered, dark-grey fresh, micritic to fine-grained, moderately fractured, minor calcite veining, strong reaction with HCl, wavy beds that are 0.05 m to 0.30 m thick and orientated at 039°/39° SE, two fracture surfaces exist, #1 287°/70° N and #2 188°/68° W	93.15	2.38	1.65	0.44	0.29	1718	186	264
Section 2007-06: SOUTHEASTERN END OF AUTO RIDGE										
27711	4	Lime Mudstone , whitish light-grey weathered, light- to medium-grey fresh, micritic to cryptocrystalline, moderate white calcite veining that has a general trend of 215°, fractures not visible on relatively smooth surface, moderate limonite surficial weathering, possible bedding that agrees with "benches" and is the same as the possible bedding determined at the N and NE flank of the ridge is 162°/37° W, face of the outcrop is 100°/65° S	97.44	0.90	0.34	0.16	0.23	3110	74	126
27712	3.5	Lime Mudstone , same as 27711	97.12	0.86	0.40	0.17	0.18	2872	73	138
27713	3	Lime Mudstone , same as 27711, but consistently medium- to dark-grey, no light-grey, some structure, wall of outcrop is 099°/76 S, penetrative cleavage (cm scale) 100°/74°, relatively penetrative fracture/joint/cleavage set (cm scale) 013°/18°	97.65	0.73	0.23	0.13	0.15	3700	68	<100
27714	2	Lime Mudstone , same as 27713, vertical joint set (cm spacing) 032°/85°, continuation of outcrop face structure 104°/62°	97.09	0.76	0.18	0.11	0.16	3408	78	190
27715	4	Lime Mudstone , same as 27714, proposed attitude of bedding is 176°/24° W	97.28	0.70	0.18	0.11	0.19	3726	70	188
27716	4.5	Lime Mudstone , same as 27715, but light-grey color reappears, ~ 50%	97.61	0.76	0.25	0.14	0.18	3031	88	156
27717	3	Lime Mudstone , same as 27716	97.58	0.68	0.33	0.17	0.19	3379	74	263

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
27718	3	Lime Mudstone , same as 27717, but more medium- to dark-grey, ~ 80% dark to 20% light	97.67	0.77	0.32	0.16	0.15	3181	66	220
Isolated Station: CLIFF SOUTHWEST OF UPPER FRASER										
27719	3	Lime Packstone (possibly Grainstone) , tan to grey weathered, medium-grey and brownish-grey fresh, very fine-grained to medium-grained, crinoids and/or ooids, massive, minor white calcite veining, bedding appears to be sub-horizontal, east to west penetrative planar structure	94.97	1.03	2.64	0.38	0.39	2257	174	137
Isolated Station: ATOP CLIFF SOUTHWEST OF UPPER FRASER										
27726	3	Lime Mudstone , light-brown and light- to medium-grey weathered, medium-grey fresh, metre scale beds (?), minor hematite staining and blebs, weakly fractured, moderate calcite veining, strong reaction with HCl, bedding is 343°/10° E, a possible fault surface 194°/72° W	95.93	1.10	1.36	0.45	0.50	3399	133	297
Isolated Station: ATOP CLIFF SOUTHWEST OF UPPER FRASER										
27727	2.5	Lime Mudstone , weathers tan and light-grey, medium-grey fresh, metre scale beds (?), minor hematite staining and blebs, weakly fractured, moderate calcite veining, strong reaction with HCl, approximate bedding of 353°/09° E	96.98	0.68	1.05	0.32	0.34	3688	96	207
Isolated Station: EAST OF IAN'S QUARRY										
27720	grab	Lime Mudstone , medium-grey weathered and fresh, minor brownish-grey fresh, cryptocrystalline, minor to moderate white calcite veining, weakly to moderately fractured, very good reaction with HCl, bedding is indeterminate	94.50	0.99	2.73	0.56	0.40	3830	107	178
Isolated Station: EAST OF IAN'S QUARRY										
27721	grab	Lime Mudstone , same as 27720, medium-grey weathered and fresh, minor brownish-grey fresh, cryptocrystalline, minor to moderate white calcite veining, weakly to moderately fractured, very good reaction with HCl, bedding is indeterminate	95.67	1.00	1.56	0.30	0.32	2977	66	132

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
27732	~0.5	Lime Mudstone , medium-grey weathered, light- to medium-grey fresh, cryptocrystalline to fine-grained, minor white calcite veining, minor rusty weathering along veins (sulphides?), minor limonite blebs, very minor sooty patches (<1cm), excellent reaction with HCl	97.33	0.69	0.76	0.22	0.28	4370	106	242
-	5.4	covered								
27733	~0.5	Clast-rich Wackestone to Mud Rich Crinoidal Packstone , rusty orange (minor white), bioclasts (medium-grained) within medium-grey cryptocrystalline to fine-grained matrix, minor to moderate white calcite veining, weakly fractured, minor disseminated fine-grained sulphides, major indeterminate bioclasts, excellent reaction with HCl, veins rust orange in colour	94.27	2.95	0.73	0.25	0.47	3282	170	232
-	5	covered								
27734	~0.5	Clast-rich Wackestone to Mud Rich Crinoidal Packstone , same as 27733, minor Lime Mudstone, planar feature approximately 2 to 5 cm spacing 062°/~vert, wavy, variable dip	93.40	4.60	0.51	0.17	0.66	3653	206	211
-	5	covered								
27735	~0.5	Clast-rich Wackestone to Mud Rich Crinoidal Packstone , same as 27734, except very minor dark-grey, planar surface 178°/46° W, indeterminate bedding, could be working along bedding	93.84	3.17	0.74	0.20	0.58	4153	190	357
-	4.7	covered								
27736	~0.5	Clast-rich Wackestone to Mud Rich Crinoidal Packstone , same as 27734, more convinced that sampling along bedding 176°/52° W	95.99	1.71	0.85	0.20	0.38	3531	149	170
-	11.4	covered								
27737	~0.5	Clast-rich Wackestone to Mud Rich Crinoidal Packstone , same as 27736	92.79	4.09	1.64	0.21	0.60	4187	197	335
-	4.3	covered								
27738	~0.5	Clast-rich Wackestone to Mud Rich Crinoidal Packstone , same as 27735	95.56	2.29	0.74	0.22	0.62	3297	191	288
-	7.1	covered								
27739	~0.5	Clast-rich Wackestone to Mud Rich Crinoidal Packstone , same as 27733, minor Lime Mudstone, planar feature approximately 2 to 5 cm spacing 062°/~vert, wavy, variable dip, attitude of bedding 176°/52° E	95.84	1.93	0.57	0.23	0.47	3787	176	349

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
Isolated Station: IAN'S QUARRY										
27741	grab	Dolomite , yellow to orange weathered, minor fine-grained disseminated sulphides, moderate white calcite, good to very good reaction, fracture planes 0.5 m to 3 m spacing 170°/41° S	71.27	21.04	0.84	0.44	4.20	739	1558	256
Section 2007-09: IAN'S QUARRY										
27740	3	Lime Mudstone , medium-grey with minor rusty weathered, medium- to dark-grey fresh, micritic to cryptocrystalline, minor to moderate white calcite veining, minor sulphide grains <0.5 cm, moderately fractured, moderate to very good reaction with HCl, thinly bedded (2 to 20 cm), bedding 122°/84° SW, wavy due to structure, banding visible, fracture plane 240°/76° NW, penetrative cleavage 052°/68° SE, wavy variable dips	94.04	2.24	1.09	0.36	0.61	2812	170	428
27742	3	Lime Mudstone , massive medium-grey weathered, some rusty orange weathering from dolomite, micritic to cryptocrystalline, medium- to dark-grey fresh, rare very fine-grained disseminated sulphides, minor limonite and rusty surficial weathering, very good reaction with HCl, minor white calcite veinlets and blebs, penetrative cleavage 050°/57° SE, slightly wavy	92.04	4.87	0.67	0.24	1.16	2712	269	148
27743	2.8	Lime Mudstone , same as 27742, very minor very dark-grey carbon material n Limestone, no visible sulphides	95.58	1.79	1.11	0.22	0.45	2458	109	183
27744	2.3	Lime Mudstone , same as 27743	95.62	1.86	1.29	0.27	0.38	2933	86	223
27745	2.3	Lime Mudstone , same as 27742, no visible sulphides, bedding 116°/75° SW, fault plane 127°/76° SW	96.38	1.34	0.72	0.19	0.32	3110	97	125
27746	3.4	Lime Mudstone , medium- to dark-grey weathered and fresh, minor yellow and orange weathering on surface (limonite), micritic to cryptocrystalline, minor white calcite veining, moderate to well-fractured, excellent reaction with HCl	95.14	2.17	0.97	0.20	0.42	2066	85	<100
27747	2.2	Lime Mudstone , same as 27746, interbedded with minor Packstone (indeterminate bioclasts with rusty orange) and grainstone for about 0.5 m, fracture plane 187°/21° W healed with about 1 cm of white calcite, 20 cm to 1 m spacing	95.65	1.79	1.09	0.28	0.37	2672	89	<100
27748	3.8	Lime Mudstone , same as 27747, less grainstone interbeds (0.25 m of section), moderate to strong calcite veining, minor to moderate carbon material	94.92	1.35	1.52	0.25	0.41	2976	119	160

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
27749	5.2	Lime Mudstone , same as 27748, yellow-orange weathered surface, outcrop face 050°/66° SE, strong clear fine-grained crystalline calcite crystals on face	95.52	1.29	1.80	0.35	0.31	2390	126	<100
27750	0.5	White Calcite , yellow-orange weathered on surface, small brecciated pieces of host mudstone, excellent reaction with HCl, fault 052°/60° SE	85.24	8.48	2.05	1.07	2.41	662	1603	128
27751	1	Lime Mudstone , dark-grey and rusty orange weathered, dark-grey fresh, micritic, moderate to strongly fractured, strong with calcite veining, vein has very good reaction with HCl, major fault surface that is wavy, penetrative cleavage 073°/55° S, Fracture sets 148°/80° SW and 154°/30° SW	92.66	4.14	1.69	0.38	0.63	2611	173	196
27752	3	Lime Mudstone , same as 27751, except, less orange weathering, moderate white calcite, weakly to moderately fractured, fracture sets with smeared calcite on the surface 155°/34° SW spaced approximately 0.25 m to 1.0 m apart	90.66	1.56	5.21	1.03	0.46	2270	144	354
27753	1	Calcite Vein, dolomite (powder fizzes) , very strong yellow-orange weathering, milky white fresh, some quartz (no reaction), minor fine-grained black flecks, pieces of limestone host rock	61.16	31.70	1.33	0.66	3.49	550	1575	189
27754	3	Lime Mudstone , same as 27751, except very minor hematite along fractures, minor fine-grained to medium-grained disseminated sulphides that are locally moderate, bedding is indeterminate, fracture surface 328°/80° E	94.51	2.22	1.73	0.45	0.54	2425	161	<100
Section 2007-10: IAN'S QUARRY (some repeated strat from 2007-09)										
27755	3	Lime Mudstone , same as 27752, start to repeat strat from NW cliff face, bedding 117°/85° W, beds ~ 5 cm to 25 cm, fracture set 063°/74° SE spaced < 25cm	94.64	1.70	2.09	0.54	0.44	3273	92	124
27756	3.5	Lime Mudstone , same as 27754, calcite veins up to 3 cm thick, same orientation as fractures, healed with calcite, attitude of bedding 118°/87° SW, fracture set 067°/65° SE, difficult to see bedding throughout due to structure	93.48	2.45	1.98	0.57	0.71	2315	256	217
27757	0.2	Shaley Interval , light-grey weathered, medium-grey fresh, both weathered and fresh have a phyllitic sheen, micritic to cryptocrystalline, very minor very fine-grained white calcite veinlets, absent to weak reaction with HCl, powder fizzes well, well-fractured and wavy	19.89	4.51	17.35	6.44	2.45	319	341	1075

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
27758	2.25	Lime Mudstone , same as 27756, rare shaley interbed (like 27757), <5cm thick, fracture sets 040°/42° SE and 044°/62° SE	94.09	1.42	2.57	0.71	0.45	2904	187	194
27759	1.5	Lime Mudstone , same as 27756, bedding difficult to determine or see	92.78	2.61	2.61	0.73	0.63	2118	300	283
27760	3	Lime Mudstone , with minor (0.5 m section) Packstone interbeds, mudstone: micritic to cryptocrystalline, Packstone: rusty orange medium grains, indeterminate bioclasts, medium- to dark-grey fresh, minor light-grey (~0.25 m section micritic), moderately fractured, moderate to strong white calcite veining, minor sulphides, moderate to good reaction with HCl, bedding 156°/80° SW, wavy well bedded, cm to 0.75 m scale	94.67	1.54	2.35	0.42	0.43	2583	105	371
27761	4	Lime Mudstone , with minor (0.5 m section) Packstone interbeds, same as 27760, less Packstone (~0.25 m interval), fracture set 218°/~vert, fracture, 077°/37° S approximately 10 cm to 20 cm wide calcite with minor coarse-grained sulphides	94.72	1.16	2.78	0.47	0.27	2095	98	433
27762	3.5	Lime Mudstone , with minor (0.5 m section) Packstone interbeds, same as 27761, even less Packstone (two 20 cm intervals), large fracture plane 152°/88° NW, abundant fine to medium grain sulphides along surface parallel to bedding	95.26	2.04	1.40	0.35	0.41	2325	141	212
27763	4	Lime Mudstone , medium- to dark-grey weathered and fresh, minor brownish grey, micritic to very fine-grained, minor rusty weathering along veins and fractures, moderate to well-fractured, moderate calcite, very good reaction with HCl	96.06	1.29	1.49	0.35	0.29	2426	84	127
27764	2	Lime Mudstone , medium- to dark-grey weathered and fresh, minor brownish grey, fine-grained, minor rusty weathering along veins and fractures, moderate to well-fractured, moderate calcite, minor sulphides, very good reaction with HCl	94.67	1.70	2.08	0.47	0.37	2750	112	<100
27765	2.5	Large interval of Milky White Calcite and Possibly Dolomite , vein/fracture filled, very strong orange weathering, moderate disseminated sulphides that are fine-grained, small bits of brecciated limestone, excellent reaction with HCl	81.00	14.94	0.87	0.43	1.77	982	1038	<100
27766	5	Calcite Vein , minor competent blebs of dark-grey cryptocrystalline lime mudstone, well-fractured, attitude of bedding 112°/78° SW	67.15	28.95	1.18	0.46	1.62	942	568	412
27767	1.5	Calcite Vein , same as 27766, grainy texture, large prominent fracture/fault plane 113°/62° S, sooty very dark-grey coating on the surface with associated moderate fine-grained sulphides, local clumps of pyrite	57.11	38.96	0.87	0.40	1.75	359	474	363

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
27768	3	Lime Mudstone , medium-grey weathered and fresh, cryptocrystalline, minor fine-grained disseminated sulphides, moderate fracturing, moderate white calcite veining that is locally strong, well bedded 10 cm to 50 cm beds, bedding attitude 116°/88° S, fracture sets are spaced about 25 cm apart, and are orientated at 192°/30° W	84.37	12.43	1.56	0.42	0.63	2213	175	244
27769	1.75	Lime Mudstone , same as 27768	93.60	2.66	2.05	0.40	0.66	2730	123	170
27770	3.5	Fracture Plane , same as 27769, along bedding, minor to moderate fine-grained sulphides on face, large prominent fracture surface 330°/62° N, lineation on face (penetrative cleavage intersection) 62°-126° SE	93.70	1.55	3.10	0.54	0.50	2857	119	195
27771	3	Lime Mudstone , same as 27768, approximately 20 cm and 10 cm interbeds of shaley dolomite (?), and lime mudstone, shaley dolomite absent to weak reaction with HCl and was not included in the sample, strong thin calcite smear on the fracture surface	94.95	1.56	1.94	0.47	0.36	3556	76	219
27772	4	Lime Mudstone , same as 27771, 10 cm and 15 cm shaley intervals, bedding attitude 313°/66° N, fracture set has approximately 25 cm spacing and is orientated at 188°/50° W	91.88	1.57	3.73	1.12	0.66	4223	113	509
27773	4.5	Lime Mudstone , same as 27772, brown weathered, more frequent shaley interbeds (~20%) that are <5 cm thick with very rusty orange weathering	86.51	1.95	5.77	1.49	0.99	3742	211	411
27774	2	Lime Mudstone , same as 27773, fracture surface with smeared calcite 161°/72° W, bedding shallows but is very wavy and variable	91.19	1.97	4.13	0.82	1.02	3493	279	373
27775	5	Lime Mudstone , same as 27773	91.58	1.52	4.29	0.95	0.79	3195	225	161
27776	2.5	Interbedded Lime Mudstone and Grainstone , medium-brown and medium dark-grey weathered, medium and dark fresh, wavy beds 0.10 m to 0.75 m thick, micritic to fine-grained, moderately fractured and rubbly, minor calcite veining, rusty alteration/weathering (grains), excellent reaction with HCl	92.74	2.08	2.61	0.38	0.88	2047	249	<100
27777	3.5	Interbedded Lime Mudstone and Grainstone , medium-brown and medium dark-grey weathered, medium and dark fresh, beds less wavy than 27776 but still 0.10 m to 0.75 m thick, micritic to fine-grained, strongly fractured, minor calcite veining, rusty alteration/weathering (grains), excellent reaction with HCl	96.93	0.94	1.12	0.21	0.20	3005	68	202

Sample	Strat. Thick. (m)	Description	CaCO ₃ (%)	MgCO ₃ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	SrCO ₃ (ppm)	MnO (ppm)	P ₂ O ₅ (ppm)
27778	3.5	Lime Mudstone , orange and medium- to dark-grey weathered, medium- to dark-grey fresh, micritic to very fine-grained, massive and resistant, moderately fractured, moderate calcite veining, minor carbonaceous material, excellent reaction with HCl, attitude of bedding is 302°/83° NE, healed fractures orientated at 146°/51° SW	93.41	4.19	1.07	0.25	0.47	1999	110	316
27779	3	Interbedded Lime Mudstone and Grainstone , orange and medium- to dark-grey weathered, medium- to dark-grey fresh, micritic; grainstone fine-grained with cryptocrystalline matrix, moderately fractured, very minor calcite veining, beds 0.10 m to 0.50 m thick, rubbly, excellent reaction with HCl, bedding of 320°/82° NE	92.25	5.75	0.73	0.16	0.62	2693	138	320
27780	4	Interbedded Lime Mudstone and Grainstone , same as 27779 except medium-grey fresh, strong reaction with HCl, minor laminations, attitude of bedding 308°/78° NE	95.06	1.12	2.46	0.56	0.21	2803	57	<100
27781	4	Interbedded Lime Mudstone and Grainstone , same as 27780, except light- to medium-grey weathered, excellent reaction with HCl, large fault surface 217°/47° W with smeared and crystalline calcite, Trevor's camera 93-97 quarry pictures N to SE clockwise	94.16	3.17	1.49	0.38	0.30	2357	75	129

APPENDIX 6: STATEMENT OF QUALIFICATIONS

The field work described in this report was supervised by Jocelyn Tanton.

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