APPENDIX B

METALS IN SOIL

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FINAL

Metals in Soil

Flin Flon

Flin Flon, Manitoba

CLIENT:
Hudson Bay Mining and
Smelting Co., Ltd

PROJECT NO. 1032002.01

Jacques Whitford

An Environment of Exceptional Solutions

Job No. 1032002.01

TO: **Hudson Bay Mining and Smelting Co., Ltd.**

FOR: **Residential Lawn and Garden Soil Sampling Report for Metals Flin Flon, Manitoba**

April 21, 2008

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Jacques Whitford AXYS

Executive Summary

Background

Jacques Whitford AXYS Ltd. (JWA) was retained by Hudson Bay Mining & Smelting (HBM&S) in October 2007 to conduct a residential lawn and garden soil sampling program for metals in the City of Flin Flon, Manitoba and surrounding communities, hereafter referred to as the Site.

The 2007 Work Plan detailed the first stage of a proposed two stage sampling program. Stage 1 consisted of soil sampling for metals in residential lawns and gardens in the City of Flin Flon and surrounding communities to assess the current status of metals in these urban areas. Stage 2 involved the sampling of indoor dust at representative homes throughout this area.

This report summarizes the 2007 soil sampling activities and provides the data to support a Community Based Risk Assessment being conducted by Intrinsik Environmental for HBM&S. The dust sampling program information will be provided in a separate report.

Scope of Work

The scope of the 2007 site activities was based on the 2007 Work Plan discussed with Manitoba Conservation on October 11, 2007.

The scope of work was to conduct residential soil sampling in representative areas of Flin Flon and surrounding communities. The number of samples taken in each portion of the City was to provide a representative overview of the current conditions at the Site. Residential lawns were to be sampled in the front and the back yards. Discussions with Mr. Geoff Jones and Dr. Floyd Phillips from Manitoba Conservation resulted in the addition of:

- When present, gardens and sandboxes were to be sampled; and,
- Soil profiling for metals to depth (0-2.5, 2.5-5.0, and 10-15 cm below grade) was to be conducted on a limited scale. This was meant to provide an overview assessment of metal movement within the soil profile.

Conclusions

The residential lawn, garden and sandbox sampling conducted by JWA from October 16 – October 22, 2007 in and around Flin Flon, Manitoba has generated the following conclusions.

The CCME criteria was used as a screening to exclude various metals from the data presentation and are not a comment on the health effects of these metals.

- Arsenic exceeded the CCME criteria for Human Health the most frequently when compared to all of the metals analyzed for all sampling areas.
- West Flin Flon exceeded the CCME Human Health criteria most frequently when compared to the other sample series locations. Generally six metals exceeded the CCME Human Health criteria, namely Mercury, Arsenic, Cadmium, Copper, Lead, and Selenium.
- All sandboxes sampled in all areas were below the CCME Human Health criteria.
- Gardens sampled were generally below CCME Human Health criteria for all metals except Arsenic. Mercury and Lead also exceeded CCME criteria in some gardens in the West Flin Flon area.
- The CCME environmental criteria for Zinc (200 mg/kg) was exceeded in 307 of the 333 sample locations for all areas.
- In general, metal concentrations decreased when comparing the 0-2.5 cm below grade samples to the 10-15 cm below grade samples.

The statements made in this Executive Summary text is subject to the same limitations described in the Closure Section 7.0 of this report, and should be read in conjunction with the remainder of this report.

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1.0 INTRODUCTION

Jacques Whitford AXYS Ltd. (JWA) was retained by Hudson Bay Mining & Smelting (HBM&S) in October 2007 to conduct a residential lawn and garden soil sampling program for metals in the City of Flin Flon, Manitoba and surrounding communities, hereafter referred to as the Site.

The 2007 Work Plan detailed the first stage of a proposed two stage sampling program. Stage 1 consisted of soil sampling for metals in residential lawns and gardens in the City of Flin Flon and surrounding communities to assess the current status of metals in these urban areas. Stage 2 involved the sampling of indoor dust at representative homes throughout this area.

This two-stage sampling plan included:

1. The surficial soil sampling for metals in residential lawns and gardens in and around the City of Flin Flon. The sampling depth for this program was equivalent to a study undertaken by Manitoba Conservation in the area in 2006, which involved sampling lawns for surficial metal deposition from 0-2.5 cm below grade. JWA's program also included sampling gardens and sandboxes from 0-5 cm below grade, and several profile samples to be collected from 0-15 cm below grade.

2. The collection of dust samples in select homes within the City of Flin Flon.

This report summarizes the 2007 soil sampling activities and provides the data to support a Community Based Risk Assessment being conducted by Intrinsik Environmental for HBM&S.

The dust sampling program information will be provided in a separate report.

1.1 Background

In the 1930's a smelter was built in the Town of Flin Flon to process metal ore from the on-site mine. The smelter released all emissions via two smoke stacks at the Site. One stack was 150 feet in height (close to the current stack), and the other was 250 feet high (located due west from the current stack and at a slightly lower elevation).

HBM&S has implemented numerous pollution control measures since operations commenced in the 1930's. Highlights of these measures include the following.

1950's

Reduction in particulate emissions with the commissioning of the Copper Smelter baghouse.

1973

The installation of a new smoke stack, 825 feet in height (located near the former 150 foot tall stack) to replace the two shorter stacks, resulting in a reduction of local deposition.

1974 and 1982

New electrostatic precipitators were commissioned, firstly on the copper roaster (1974) and later the zinc roaster (1982) which resulted in a reduction in particulate emissions.

1993

To address the wider issue of "Acid Rain", the Zinc Pressure Leach facility was commissioned in 1993. This resulted in a step reduction in particulate emissions as it led to the shutdown of the zinc roasters and zinc fuming plant.

2000

Fugitive emissions that may have impacted local ambient air quality were reduced by completion of the $25M smelter gas handling project.

2007

The current $10M expansion to the tailings facility will minimize airborne dusting potential for the community.

1.2 Physical Setting

The Site is located on the Precambrian shield in the Boreal forest portion of northwest Manitoba and northeast Saskatchewan.

2.0 REGULATORY GUIDELINES

In Manitoba, the investigation of contaminated sites is authorized and guided under the *Contaminated Sites Remediation Act C.C.S.M. c. C205 (CSRA)*. The criteria used for reference is the Canadian Council of Ministers of the Environment, Canadian Soil Quality Guidelines, 1999 (CCME, CSQG).

2.1 Contaminated Sites Remediation Act

This Act establishes a process whereby the party responsible for a contaminated site can work with the regulatory authority to ensure the protection of human health, safety and the environment, in an economically feasible and sustainable manner. It provides a baseline for developing applicable risk-based remedial action and management plans for contaminated sites and its associated *Guideline 98-01, Environmental Investigations in Manitoba (June 1998, revised May 2002)* outlines a three tier assessment program for a contaminated site.

Tier I – is a criteria based approach using generic guidelines to determine impact at a Site and the final remediation requirements are based on these criteria.

Tier II – is based on a Site-specific approach that determines site sensitivities and sets criteria based on site-determined parameters.

Tier III – is based on a risk management basis where methods employed at the Site contain, control, monitor, and otherwise minimize the potential negative effects of contaminated media at the Site.

For this Site, a Tier III approach will be conducted by Intrinsik Environmental using the data presented in this report. The CCME Human Health Criteria for Metals are referenced within this report as a screening preamble to the discussion of risk.

2.2 CCME Canadian Soil Quality Guidelines

In 1999 (revised 2003), the Canadian Council of Ministers of the Environment (CCME) released the Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health. These guidelines include criteria for the protection of human and environmental health based on specific land uses and soil textures. The CCME criteria provide a baseline to support the assessment of risk.

The CCME soil quality guidelines are derived to approximate a "no – to – low" effect level (or threshold level) based only on toxicological information and other scientific data (fate, behaviour, etc.) without considering socioeconomic, technological, or political factors. CCME soil quality guidelines are not intended to represent the ecosystem sustainability breaking point, in exceedance of which sustainability is compromised.

The check mechanisms included in the document are intended to provide confirmation that the soil quality guidelines based on direct contact, ingestion, and inhalation toxicity data are protective of receptors exposed indirectly to contaminants.

The Canadian Soil Quality Guidelines are generic guidelines and are not intended to be applied to all contaminated sites in Canada without a proper site characterization.

The metal criteria used in this report are of two types, the Human Health guideline (SQG_{HH}) and Environmental Health Guideline (SQG_{E}) where data is sufficient and adequate to calculate an SQG – human health and an SQG Environmental Health. The land use criteria referenced for assessing the data from the lawn samples is Residential/Parkland. For garden samples, the Agricultural land use criteria is referenced.

The CCME SQG include criteria for twelve (12) metals, which include:

- Seven (7) metals that have a Human Health SQG:
    - Mercury (Hg), Arsenic (As), Cadmium (Cd), Chromium (Cr), Copper (Cu), Lead (Pb), and Selenium (Se).
- One (1) metal that has a provisional Human Health SQG:
    - Thallium (Tl).
- Three (3) metals that have sufficient data to calculate an Environmental Health SQG but not a Human Health SQG.
    - Nickel (Ni), Vanadium (V), and Zinc (Zn).
- One (1) metal retains the interim soil quality criterion (CCME 1991) since data are insufficient/inadequate to calculate a SQG_{HH}, a provisional SQG_{HH}, an SQG_E, or a provisional SQG_E
    - Barium (Ba).

Details of the Metals in Soil Sampling Program and a discussion of site specific information is detailed in subsequent sections of this report.

3.0 SCOPE OF WORK

The scope of the 2007 site activities was based on the 2007 Work Plan discussed with Manitoba Conservation on October 11, 2007.

The scope of work was to conduct residential soil sampling in representative areas of Flin Flon and surrounding communities. The number of samples taken in each portion of the City was to provide a representative overview of the current conditions at the Site. Residential lawns were to be sampled in the front and the back yards. Discussions with Mr. Geoff Jones and Dr. Floyd Phillips from Manitoba Conservation resulted in the addition of:

- When present, gardens and sandboxes were to be sampled; and,
- Soil profiling for metals to depth (0-2.5, 2.5-5.0, and 10-15 cm below grade) was to be conducted on a limited scale. This was meant to provide an overview assessment of metal movement within the soil profile.

4.0 INTRUSIVE INVESTIGATION

4.1 Soil Sample Collection

JWA conducted a residential front and back lawn soil sampling of select homes in the Creighton, Flin Flon and Channing areas from October 16 to 22, 2007. The data was collected in order to assess the current metal status at each location and to indicate the degree of impact at the surface (and subsurface for a small portion) of the lawns. Sampling locations are illustrated in **Appendix A**. Select photos of the sampling area are included in **Appendix B**. The qualifications of the Site Assessors are included in **Appendix C**.

Soil cores were collected by using a stainless steel soil probe with a 1.5 cm inner diameter core. A minimum of 10 cores were collected in an "X" pattern at each sample location. A composite sample was compiled for each sample depth and collected in a pre-labelled plastic-lined paper soil bag for laboratory analysis. The soil probe was cleaned with a plastic bottle brush and paper towel between sampling locations. A "dummy" core was collected and discarded at the start of each new sampling site in order to minimize the chances of cross-contamination.

The following series of samples were collected:

- 100 Series, Creighton Saskatchewan: The area sampled lies within the Town of Creighton, Saskatchewan. Samples CS101-CS130 were collected from front lawns, back lawns, and, where present, gardens and sandboxes.

- 200 Series, West Flin Flon: The area sampled lies within the Town of Flin Flon, Manitoba, bordered by Highway 10 on the west, Ross Lake on the east, the northern edge of residential streets to the north, and the City of Flin Flon City limits on the south (locally referenced as "Uptown"). Samples FF201-FF279 were collected from front lawns, back lawns, and, where present, gardens and sandboxes.

- 300 Series, East Flin Flon: The area sampled lies within the Town of Flin Flon, Manitoba, bordered by Highway 10 on the east and north, Ross Lake on the west, and the southern edge for residential streets to the south. Samples FF301-FF366 were collected from front lawns, back lawns, and, where present, gardens and sandboxes.

- 400 Series, Channing: The area sampled lies within the small village of Channing, Manitoba. Samples FF401-FF410 were collected from front lawns, back lawns, and, where present, gardens and sandboxes.

- 500 Series, Undisturbed Profiles: Samples were collected from various locations in and around the Town of Flin Flon, Manitoba. Samples FF501-FF523 were collected for future reference and provide an overview of metal concentration in areas that appear to be undisturbed.

- 600 Series, Duplicates: Samples FF601-606 and FF609-614 were duplicates collected at the same time as other samples within each series and submitted to check for laboratory analysis consistency.

A total of 20 metals were analyzed, however this report discusses the twelve (12) metals that have associated CCME criteria. The soil sample results are tabulated in **Appendix D**. All original laboratory reports are contained in **Appendix E**.

Samples were not collected on the HBM&S smelter site, as this area was not included as part of the residential lawn soil sampling program.

4.2 Soil Sample Laboratory Analysis

All soil analytical results are tabulated in **Appendix D** and original laboratory reports are located in **Appendix E**. Laboratory analyses included the following:

- Metals ICP-MS (Hot Block) in soil, SW-846. Acid Digestion of Sediments, Sludges and Soils, EPA 3050B

- Mercury (Hot Block) in Soil, US EPA. Determination of Hg in Sediment by Cold Vapour Atomic Absorption Spectroscopy 245.5

- Boron in general soil, McKeague. Hot water soluble Boron – Azomethine-H method, 4.61.

4.3 Quality Assurance/Quality Control (QA/QC)

All samples were submitted under a strict Chain-of-Custody protocol. Sampling protocols adhered to include:

- Using disposable nitrile gloves when handling samples, and discarding used gloves between samples.
- Cleaning the soil probes with a plastic bottle brush and clean paper towels between sample sites.
- The collection and destruction of a “dummy” core at the start of each sample site to minimize cross-contamination.
- Placing samples collected for laboratory analysis in coolers and transporting them to the laboratory via courier.
- Strictly adhering to sample holding times for specific analyses.

All soil samples were analyzed at Bodycote Testing Group (formerly Norwest Labs) in Winnipeg, Manitoba. Bodycote is a Canadian Association of Environmental Analytical Laboratories (CAEAL) accredited laboratory. All analytical reports include QA/QC reports.

5.0 2007 INTRUSIVE INVESTIGATION RESULTS – METALS IN SOIL

The results of the residential lawn and garden program are confidential to the property owners and are presented here without property identification to allow for the completion of a Community Based Risk Assessment.

The CCME criteria are presented as a first step in the Community Based Risk Assessment and do not necessarily indicate a risk to human health or the environment without further assessment.

All soil analytical results are displayed in **Appendix A**, tabulated in **Appendix D,** and the original laboratory reports are located in **Appendix E**.

5.1 Creighton SK (CS101-CS130) (n=68)

35 front lawns were sampled, 20 back lawns, seven gardens, and five sandboxes. Three profiles to a depth of 15 cm below grade (cmbg) were also sampled. In total, 68 samples were analyzed.

- Mercury concentrations exceeded the CCME human health criteria (6.6 mg/kg) in 16 samples. The range of concentrations in exceeded samples was 7.4 to 38.8 mg/kg.
- Arsenic concentrations exceeded the CCME human health criteria (12 mg/kg) in 57 samples. The range of concentrations in exceeded samples was 12.5 to 314 mg/kg.
- Cadmium concentrations exceeded the CCME human health criteria (14 mg/kg) in 23 samples. The range of concentrations in exceeded samples was 14.1 to 31.8 mg/kg.
- Copper concentrations exceeded the CCME human health criteria (1100 mg/kg) in seven (7) samples. The range of concentrations in exceeded samples was 1200 to 1800 mg/kg.
- Lead concentrations exceeded the CCME human health criteria (140 mg/kg) in 28 samples. The range of concentrations in exceeded samples was 146 to 1490 mg/kg.
- Chromium, Selenium and Thallium concentrations did not the exceed CCME criteria in any samples.

- Barium, Nickel, and Vanadium concentrations did not exceed CCME Environmental criteria with one exception. Barium in sample CS101F exceeded criteria (500 mg/kg) with a concentration of 750 mg/kg.

- Zinc concentrations exceeded the CCME Environmental criteria (200 mg/kg) in 60 samples. The range of concentrations in exceeded samples was 264 to 4660 mg/kg.

- The three depth profiles sampled indicate that only Arsenic concentrations exceeded the CCME criteria at a depth of 10-15 cm in two of the profiles. Metals decreased with depth for all three profiles. Arsenic is the most mobile of the metals due to the potential presence of the negatively charged arsenate ion.

- All sandboxes were below CCME human health criteria for all metals.

- One of the seven gardens were below the CCME human health criteria for all metals. Five gardens exceeded the CCME criteria for Arsenic only (at a range of 18.3 to 54.7 mg/kg. One garden (CS112G) exceeded the CCME criteria for Arsenic and Lead (1490 mg/kg). The high Lead content may be due to the introduction of Lead into the soil (such as through lead-based paint chips) since no other metals were elevated.

5.2 West Flin Flon (FF201-FF279) (n=107)

67 front lawns were sampled, 23 back lawns, nine gardens, and two sandboxes. Four profiles to a depth of 15 cm below grade were also sampled. In total, 107 samples were analyzed.

- Mercury concentrations exceeded the CCME human health criteria (6.6 mg/kg) in 85 samples. The range of concentrations in exceeded samples was from 7.4 to 971 mg/kg.

- Arsenic concentrations exceeded the CCME human health criteria (12 mg/kg) in 101 samples. The range of concentrations in exceeded samples was from 14.8 to 237 mg/kg.

- Cadmium concentrations exceeded the CCME human health criteria (14 mg/kg) in 69 samples. The range of concentrations in exceeded samples was from 15.6 to 70.8 mg/kg.

- Copper concentrations exceeded the CCME human health criteria (1100 mg/kg) in 71 samples. The range of concentrations in exceeded samples was from 1110 to 7810 mg/kg.

- Lead concentrations exceeded the CCME human health criteria (140 mg/kg) in 76 samples. The range of concentrations in exceeded samples was from 148 to 820 mg/kg.

- Selenium concentrations exceeded the CCME human health criteria (28 mg/kg) in 71 samples. The range of concentrations in exceeded samples was from 28.1 to 286 mg/kg.

- Chromium and Thallium concentrations did not exceed the CCME criteria in any samples.

- Barium, Nickel, and Vanadium concentrations did not exceed CCME Environmental criteria with three exceptions. Nickel in sample FF223F (50.8 mg/kg) and FF269F (55.2 mg/kg) exceeded the CCME Environmental criteria of 50 mg/kg. Barium in sample FF235B exceeded criteria (500 mg/kg) with a concentration of 1640 mg/kg.

- Zinc concentrations exceeded the CCME Environmental criteria (200 mg/kg) in 104 samples. The range of concentrations in exceeded samples was from 268 to 21,200 mg/kg.

- The four depth profiles sampled indicate that metals decreased with depth in three of the four profiles. The metals concentration in FF223F progressed from six metal concentrations in exceedance on the surface (0–2.5 cm below grade (cmbg)) to no metal concentrations in exceedance at 10–15 cmbg. FF231F progressed from six metal concentrations in exceedance on the surface (0–2.5 cmbg) to one metal concentration in exceedance (Arsenic) at 10-15 cmbg. FF248F progressed from five metal concentrations in exceedance on the surface (0–2.5 cmbg) to one metal concentration in exceedance (Arsenic) at 10-15 cmbg. FF256F indicated only one metal concentration in exceedance (Arsenic) on the surface (0–2.5 cmbg) to two metal concentrations in exceedance (Mercury and Arsenic) at 10–15 cmbg.

- The two (2) sandboxes sampled were below the CCME Human Health criteria for all metals.

- Five of the nine gardens were below CCME human health criteria for all metals except Arsenic. One garden only exceeded the CCME criteria for Mercury. Two gardens exceeded the CCME criteria for Mercury and Arsenic. One garden exceeded CCME criteria for Mercury, Arsenic and Lead.

5.3 East Flin Flon (FF301-FF366) (n=141)

59 front lawns were sampled, 41 back lawns, 19 gardens, and five sandboxes. Nine profiles to a depth of 15 cm below grade were also sampled. In total, 141 samples were analyzed.

- Mercury concentrations exceeded the CCME human health criteria (6.6 mg/kg) in 37samples. The range of concentrations in exceeded samples was from 6.7 to 32 mg/kg.
- Arsenic concentrations exceeded the CCME human health criteria (12 mg/kg) in 86 samples. The range of concentrations in exceeded samples was from 12.1 to 49.7 mg/kg.
- Cadmium concentrations exceeded the CCME human health criteria (14 mg/kg) in 44 samples. The range of concentrations in exceeded samples was from 14.3 to 33.5 mg/kg.
- Copper concentrations exceeded the CCME human health criteria (1100 mg/kg) in 24 samples. The range of concentrations in exceeded samples was from 1110 to 2050 mg/kg.
- Lead concentrations exceeded the CCME human health criteria (140 mg/kg) in 48 samples. The range of concentrations in exceeded samples was from 141 to 552 mg/kg.
- Chromium, Selenium and Thallium concentrations did not exceed the CCME criteria in any samples with one exception. Thallium in sample FF301F exceeded criteria (1 mg/kg) with a concentration of 1.51 mg/kg.
- Barium, Nickel, and Vanadium concentrations did not exceed CCME Environmental criteria in any samples.
- Zinc concentrations exceeded the CCME Environmental criteria (200 mg/kg) in 130 samples. The range of concentrations in exceeded samples was from 218 to 8240 mg/kg.
- The nine depth profiles sampled generally indicated decreased metal concentrations at depth for all metals except Arsenic, which had two profiles that increased at 10-15 cm below grade.
- All sandboxes were below the CCME human health criteria for all metals.
- Twelve (12) gardens were below CCME human health criteria for all metals. Seven (7) gardens were below the CCME human health criteria for all metals except Arsenic.

5.4 Channing (CH401-CH411) (n=18)

10 front lawns were sampled, three back lawns, two gardens, and one sandbox. One profile to a depth of 15 cm below grade was sampled. In total, 18 samples were analyzed.

- Mercury concentrations exceeded the CCME human health criteria (6.6 mg/kg) in 1 sample. The concentration of the exceeded sample was 7.0 mg/kg.
- Arsenic concentrations exceeded the CCME human health criteria (12 mg/kg) in 10 samples. The range of concentrations in exceeded samples was from 12.2 to 35.7 mg/kg.
- Cadmium concentrations exceeded the CCME human health criteria (14 mg/kg) in 4 samples. The range of concentrations in exceeded samples was from 14.3 to 20.7 mg/kg.
- Copper concentrations did not exceed the CCME human health criteria (1100 mg/kg) in any samples.
- Lead concentrations exceeded the CCME human health criteria (140 mg/kg) in 4 samples. The range of concentrations in exceeded samples was from 163 to 266 mg/kg.
- Chromium, Selenium and Thallium concentrations did not exceed the CCME human health criteria in any samples.
- Barium, Nickel, and Vanadium concentrations did not exceed CCME Environmental criteria in any samples.
- Zinc concentrations exceeded the CCME Environmental criteria (200 mg/kg) in 14 samples. The range of concentrations in exceeded samples was from 246 to 5680 mg/kg.
- The one depth profile sampled indicated a general increase of metals with depth, however no depths exceeded the CCME human health criteria.
- The one sandbox sampled was below the CCME human health criteria for all metals.
- One of two gardens samples was below CCME human health criteria for all metals. The other garden exceeded the CCME Human Health criteria only for Arsenic (15.6 mg/kg).

5.5 Undisturbed Profiles (FF501-FF523) (n=35)

35 undisturbed soil profiles were sampled within the City of Flin Flon and surrounding area for an overview of metal concentrations at various distances from the smelter smoke stack. The intent of these samples was to provide data for comparison to the 2006 Manitoba Conservation Metals Survey in Flin Flon, as well as to provide an insight into historical metal deposition on a regional basis.

Values and general trends can be observed in **Appendix A** (Figures 2A to 2F) and **Appendix D** (Table 5.0). The deposition of metals generally decreases with increasing distance from the smelter smoke stack.

5.6 Duplicates (FF601-FF606 and FF609-FF614) (n=12)

Twelve duplicates were taken during the sampling program. The duplicates are blind samples that are submitted to the laboratory to assess both the analytical and sampling variation of metal concentrations within a given site. The samples were collected as 20 cores and separated into two discreet samples (e.g. sample FF321F corresponds to FF602F). One of the paired samples submitted as duplicates (FF609 and FF257) cannot be assessed since the FF257F sample submitted to the laboratory was not analyzed.

Eleven duplicate comparisons can be made (**Appendix D**, Table 6.0). Ten of the duplicate comparisons compare favourably when utilizing a 50% variance for the lower and upper control limits from the mean of the two samples. Duplicate FF614F and original CS130F do not meet the 50% variance for some metals. A review of the field comments for this site indicates that the profile was a peat grass sod from 0-2.5 cmbg followed by sand from 2.5-5.0 cmbg, with refusal at 5 cmbg. There is no indication as to why these two samples show high variability between them, but this may be indicative of the heterogeneous materials found within each site.

6.0 CONCLUSIONS

The residential lawn, garden and sandbox sampling conducted by JWA from October 16 – October 22, 2007 in and around Flin Flon, Manitoba has generated the following conclusions.

The CCME criteria was used as a screening to exclude various metals from the data presentation and are not a comment on the health effects of these metals.

- Arsenic exceeded the CCME criteria for Human Health the most frequently when compared to all of the metals analyzed for all sampling areas.
- West Flin Flon exceeded the CCME Human Health criteria most frequently when compared to the other sample series locations. Generally six metals exceeded the CCME Human Health criteria, namely Mercury, Arsenic, Cadmium, Copper, Lead, and Selenium.
- All sandboxes sampled in all areas were below the CCME Human Health criteria.
- Gardens sampled were generally below CCME Human Health criteria for all metals except Arsenic. Mercury and Lead also exceeded CCME criteria in some gardens in the West Flin Flon area.
- The CCME environmental criteria for Zinc (200 mg/kg) was exceeded in 307 of the 333 sample locations for all areas.
- In general, metal concentrations decreased when comparing the 0-2.5 cm below grade samples to the 10-15 cm below grade samples.

7.0 CLOSURE

This report is prepared for the sole benefit of Hudson Bay Mining and Smelting Company Limited. The report may not be relied upon by any other person or entity without the express written consent of Jacques Whitford AXYS Limited and Hudson Bay Mining and Smelting Company Limited.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted engineering and scientific and agricultural practices current at the time the work was performed. The conclusions presented herein represent the best judgement of Jacques Whitford AXYS Ltd. based on the data obtained from the work and on the site conditions encountered at the time the work was performed at the specific testing and/or sampling locations, and can only be extrapolated to an undefined limited area around these locations. The extent of the limited area depends on the soil and groundwater conditions, as well as the history of the site, reflecting natural, construction, and other activities.

In addition, analysis has been carried out for a limited number of chemical parameters, and it should not be inferred that other chemical species are not present. Due to the nature of the investigation and the limited data available, Jacques Whitford AXYS Ltd. cannot warrant against undiscovered environmental liabilities.

Should additional information become available which differs significantly from our understanding of conditions presented in this report, we request that this information be brought to our attention so that we may reassess the conclusions provided herein. This report was prepared by Jim Hicks B.Sc., P.Ag. and senior reviewed by Peter Reid M.Sc., P.Eng. (BC, ON).

Respectfully Submitted,

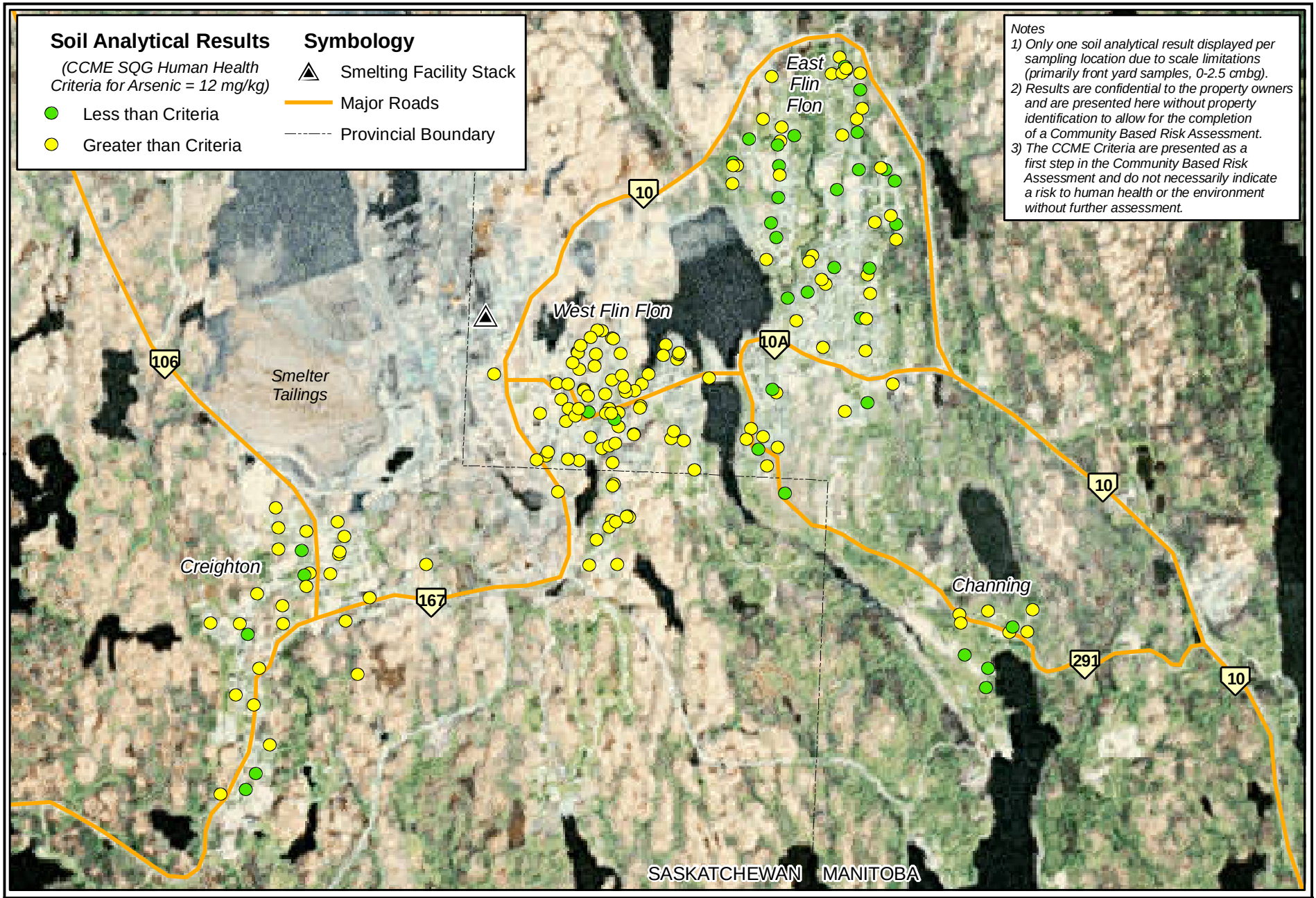
JACQUES WHITFORD AXYS LTD.

Jim Hicks, B.Sc., P.Ag.
Principal, Winnipeg Area Manager

Peter Reid, M.Eng., P.Eng. (BC, ON)
Senior Service Director,
Environmental Assessment &
Remediation

Appendix A

Analytical Diagrams



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Soil Analytical Results - Arsenic

NORTH

300 150 0 300 600 900

Metres

Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY Jacques Whitford AXYS

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PROJECT	1032002 .01
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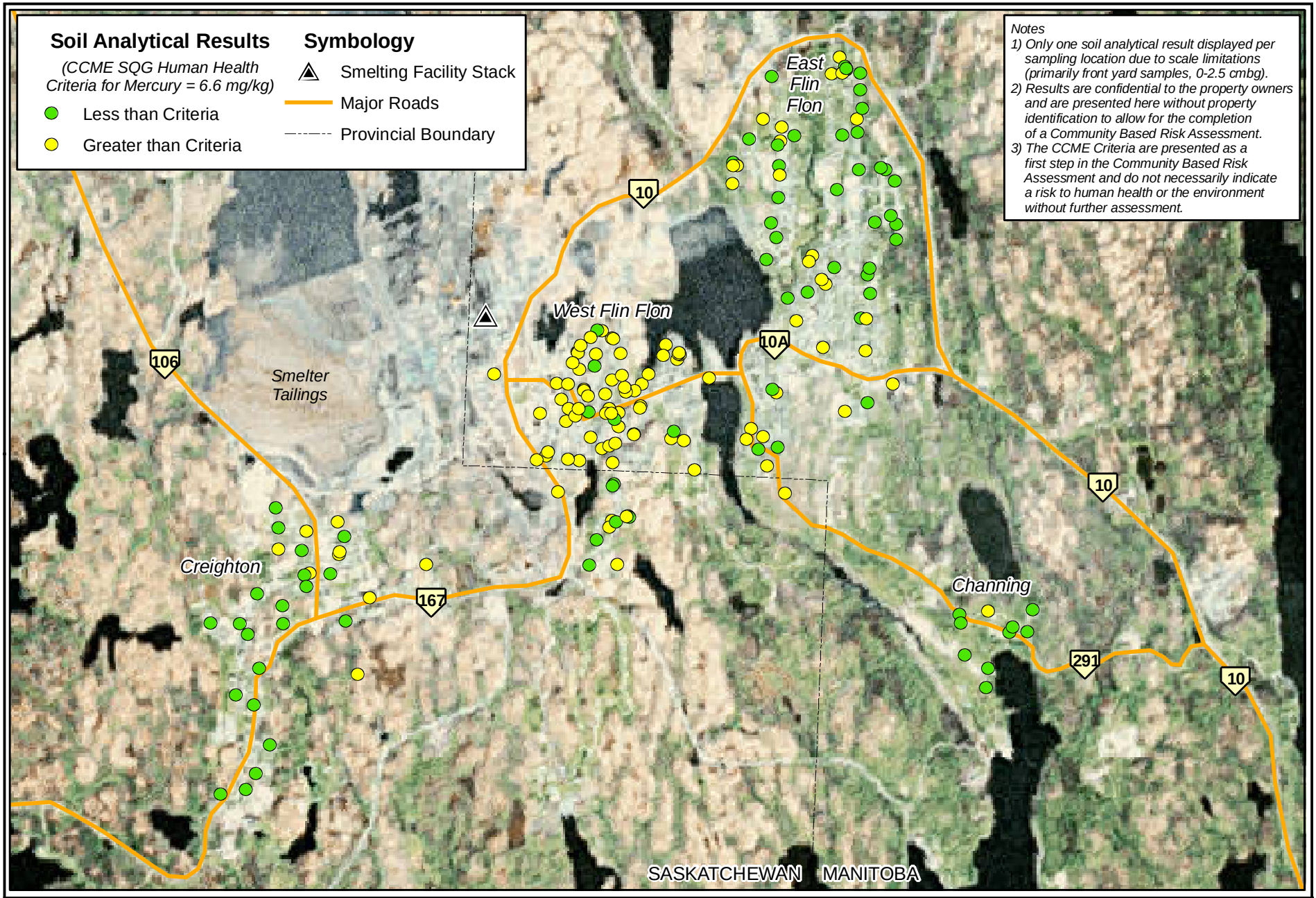
CHECKED	JH
APPROVED	JH



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Soil Analytical Results - Mercury

NORTH

300 150 0 300 600 900

Metres

Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY Jacques Whitford AXYS

MAP SCALE	1:35,000
DATA SCALE	N/A
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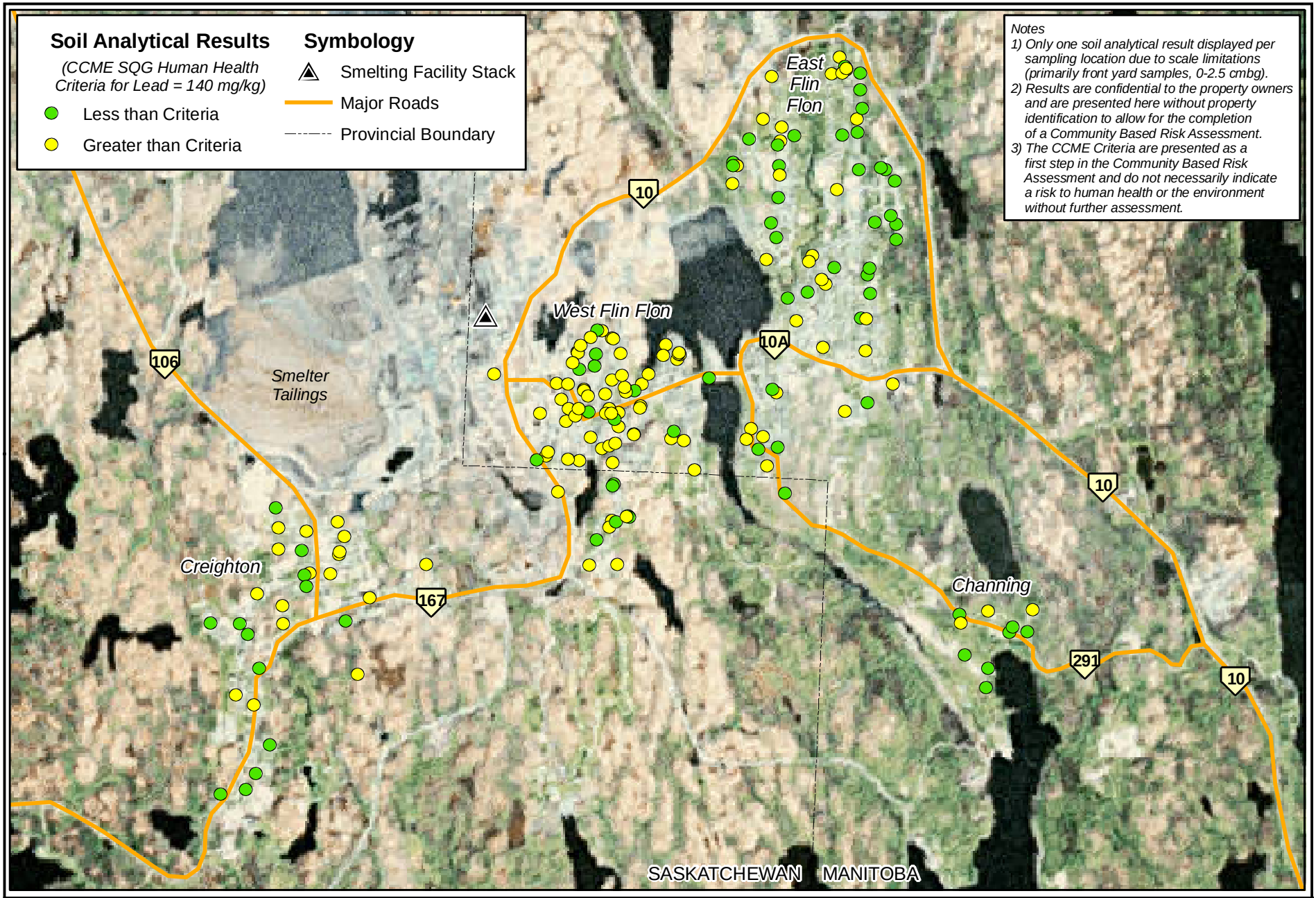
APPROVED	JH



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Soil Analytical Results - Lead

NORTH

300 150 0 300 600 900

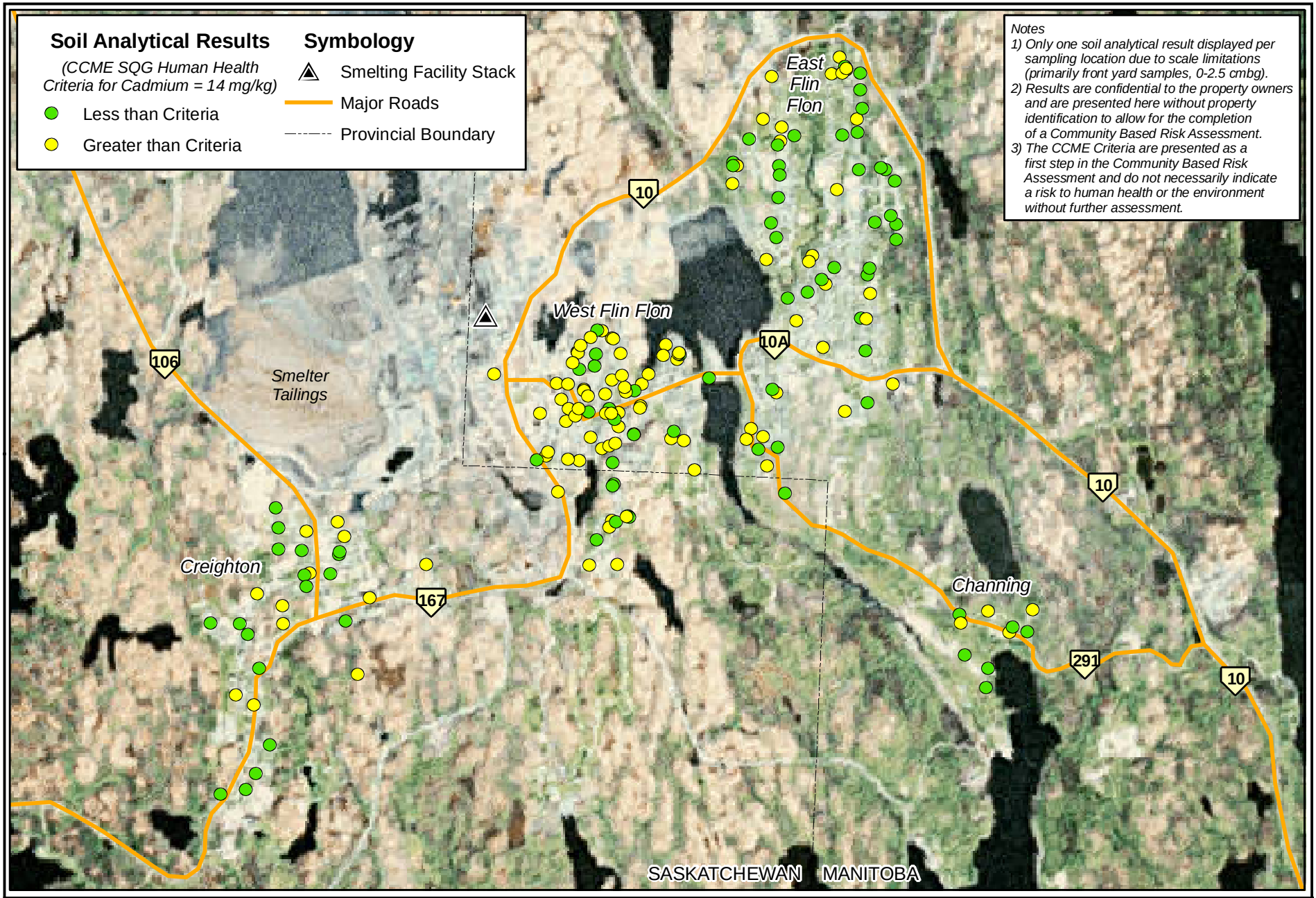
Metres

Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY

Jacques Whitford AXYS

MAP SCALE 1:35,000			DATA SCALE N/A
DRAFT DATE February 21, 2008			PROJECT 1032002.01
DRAWN KM	CHECKED JH	APPROVED JH	FIGURE NO. 1C



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Soil Analytical Results - Cadmium

NORTH

300 150 0 300 600 900

Metres

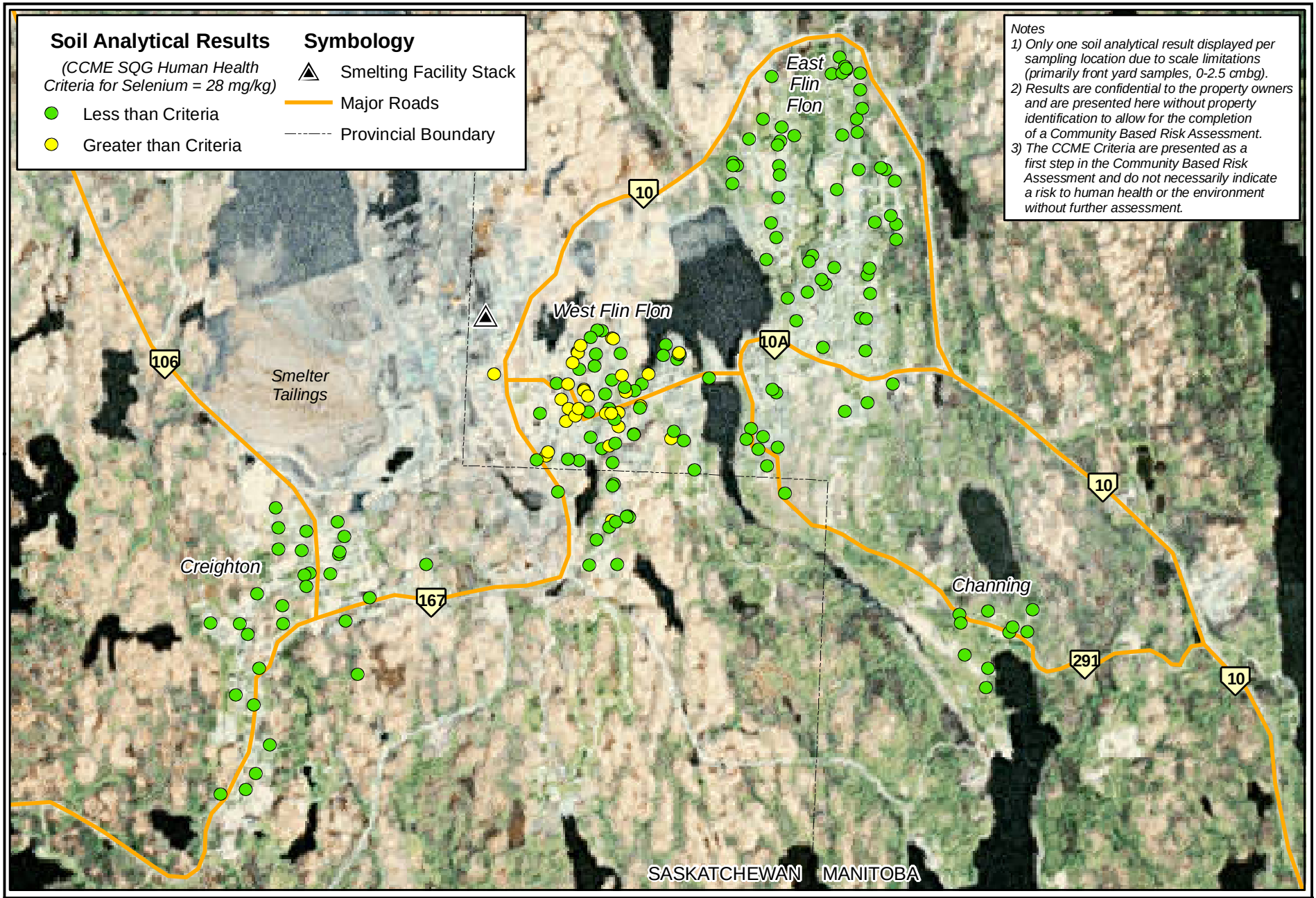
Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY Jacques Whitford AXYS

MAP SCALE	DATA SCALE
1:35,000	N/A

DRAFT DATE	PROJECT	FIGURE NO.
February 21, 2008	1032002 .01	1D

DRAWN	CHECKED	APPROVED
KM	JH	JH



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Soil Analytical Results - Selenium

NORTH

300 150 0 300 600 900

Metres

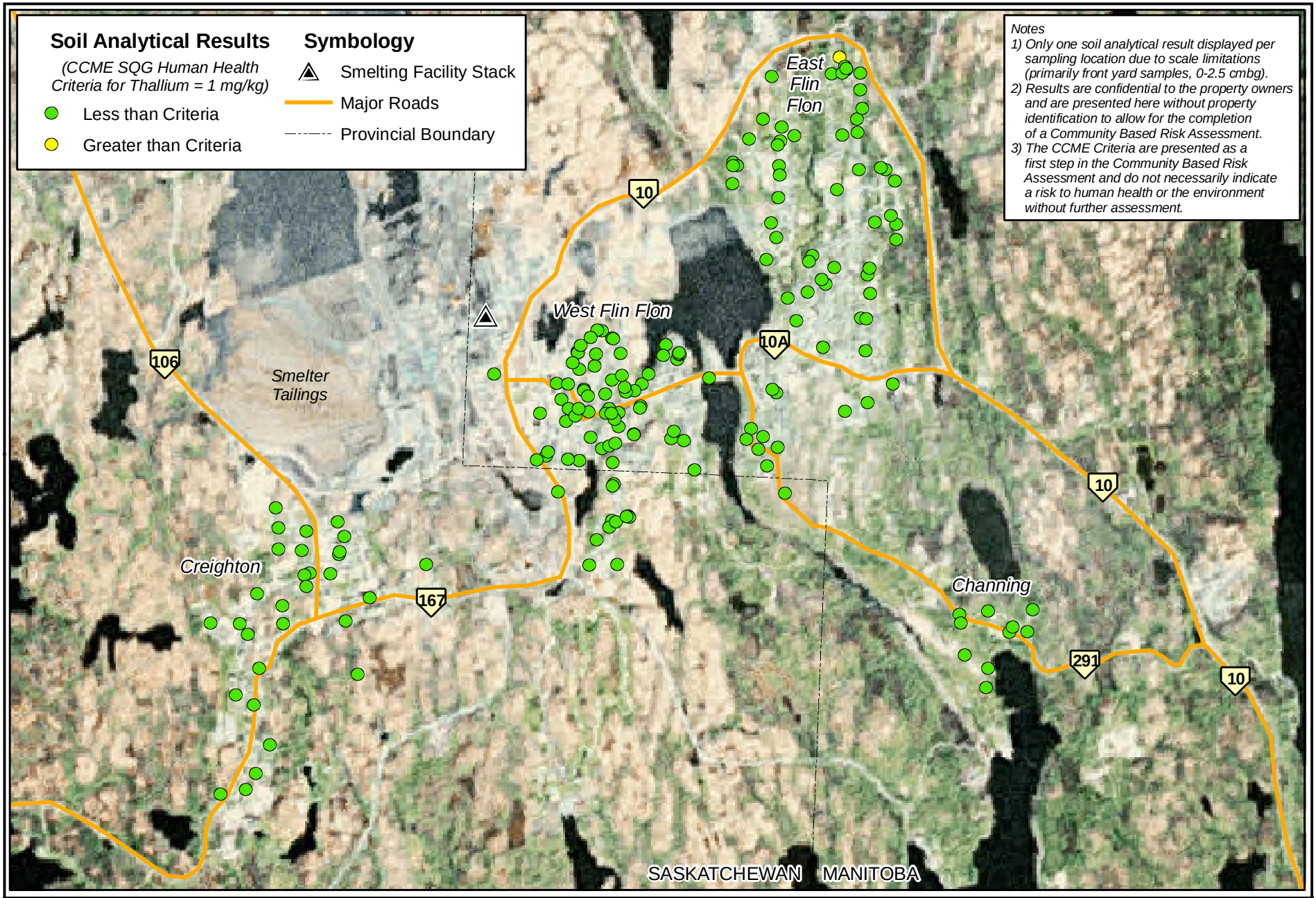
Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY Jacques Whitford AXYS

MAP SCALE	DATA SCALE
1:35,000	N/A

DRAFT DATE	PROJECT	FIGURE NO.
February 21, 2008	1032002 .01	1E

DRAWN	CHECKED	APPROVED
KM	JH	JH



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Soil Analytical Results - Thallium

NORTH

300 150 0 300 600 900

Metres

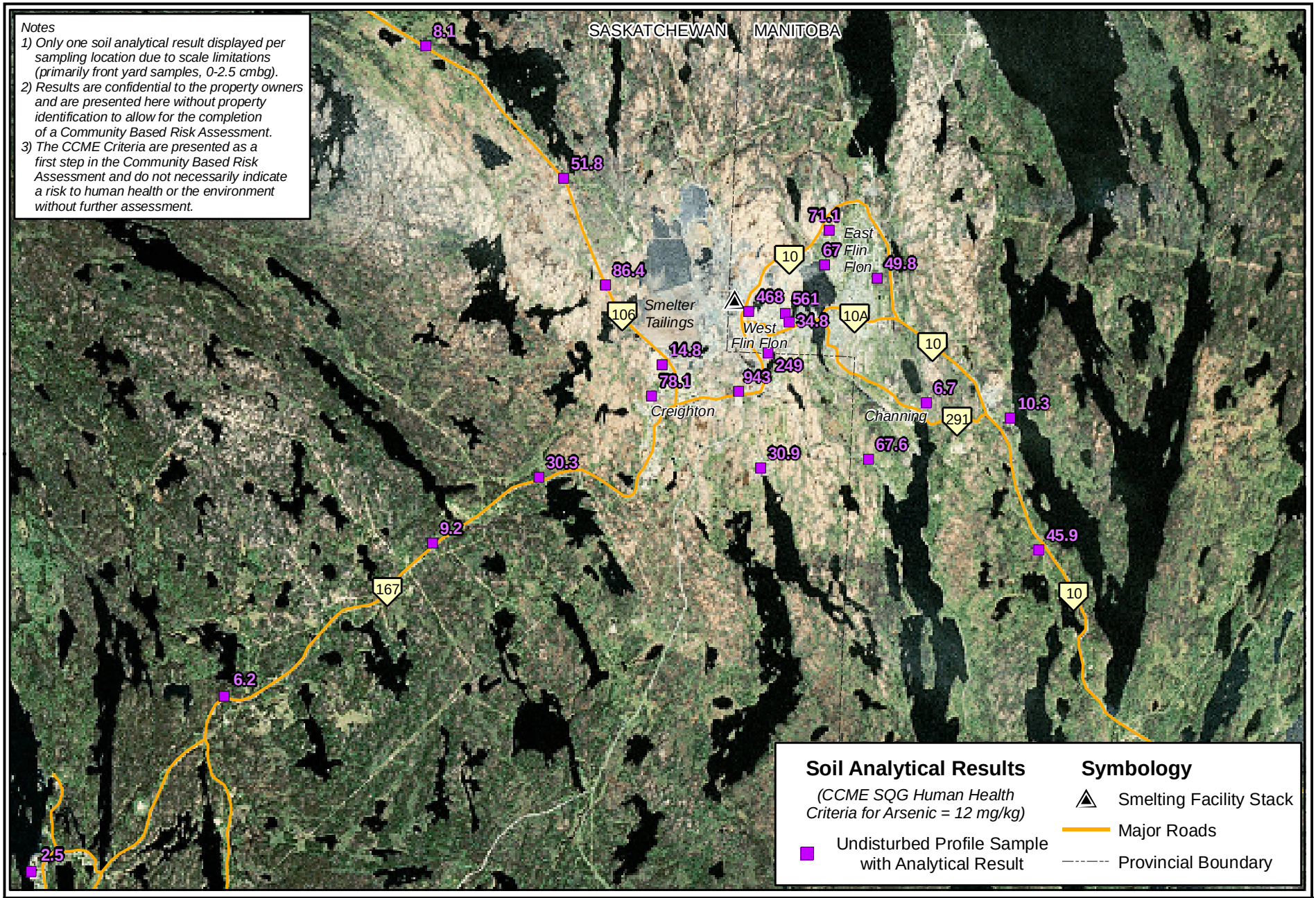
Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY Jacques Whitford AXYS

MAP SCALE	DATA SCALE
1:35,000	N/A

DRAFT DATE	PROJECT	FIGURE NO.
February 21, 2008	1032002 .01	1F

DRAWN	CHECKED	APPROVED
KM	JH	JH



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Undisturbed Soil Analytical Results - Arsenic

NORTH

900 450 0 900 1,800 2,700

Metres

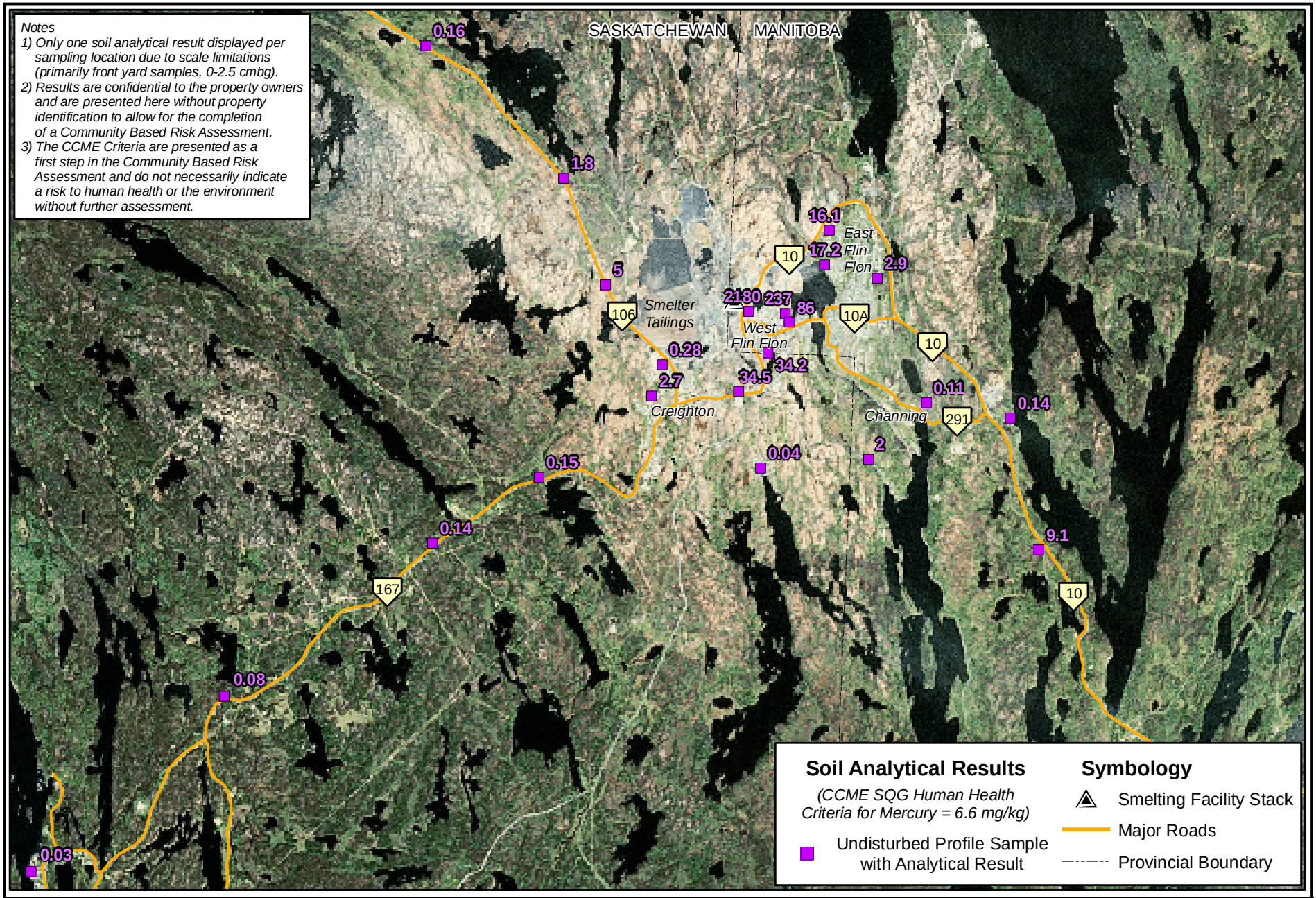
Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY Jacques Whitford AXYS

MAP SCALE	DATA SCALE
1:100,000	N/A

DRAFT DATE	PROJECT	FIGURE NO.
February 21, 2008	1032002 .01	2A

DRAWN	CHECKED	APPROVED
KM	JH	JH



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Undisturbed Soil Analytical Results - Mercury

NORTH

900 450 0 900 1,800 2,700

Metres

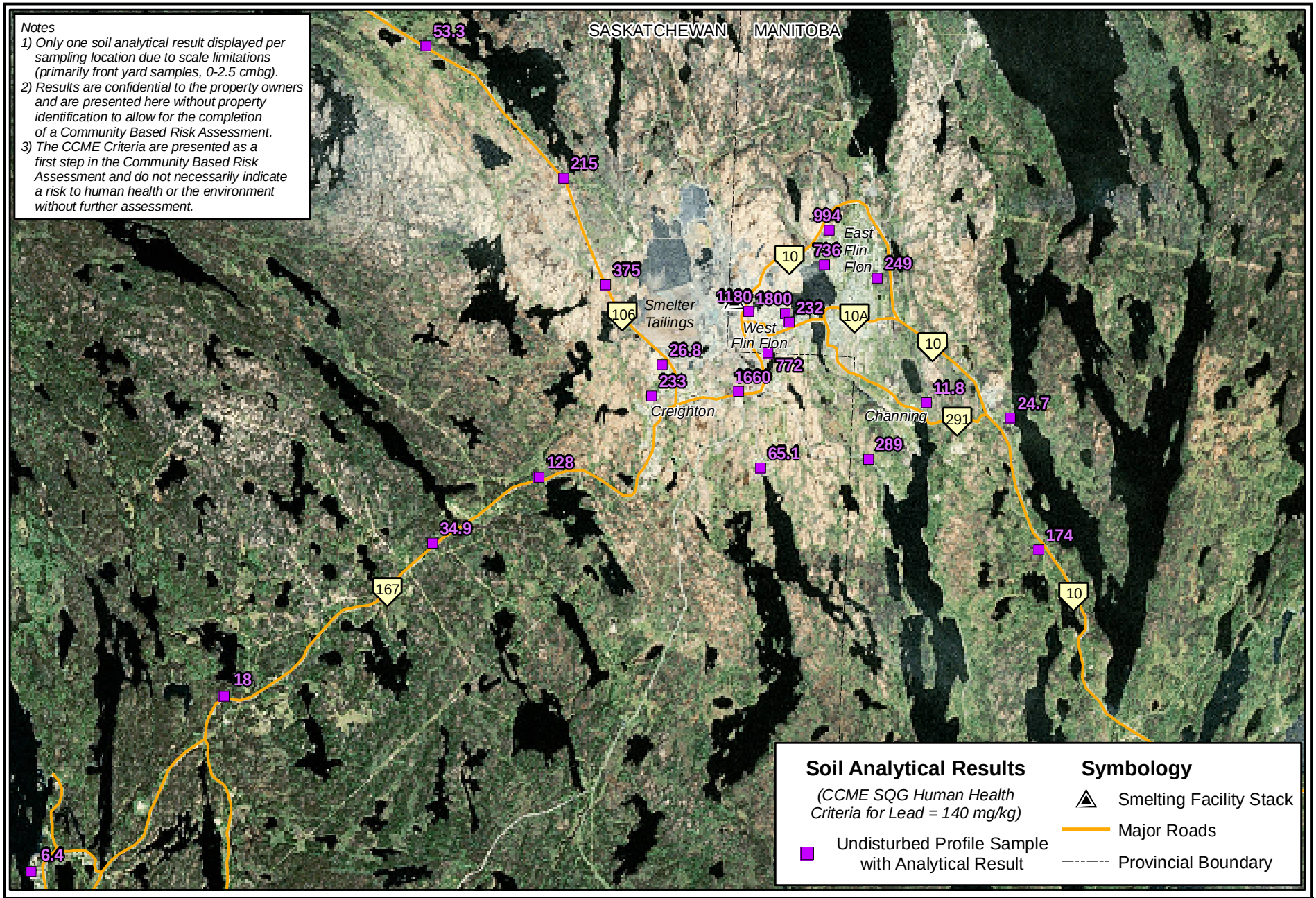
Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY Jacques Whitford AXYS

MAP SCALE	DATA SCALE
1:100,000	N/A

DRAFT DATE	PROJECT	FIGURE NO.
February 21, 2008	1032002 .01	2B

DRAWN	CHECKED	APPROVED
KM	JH	JH



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Undisturbed Soil Analytical Results - Lead

NORTH

900 450 0 900 1,800 2,700

Metres

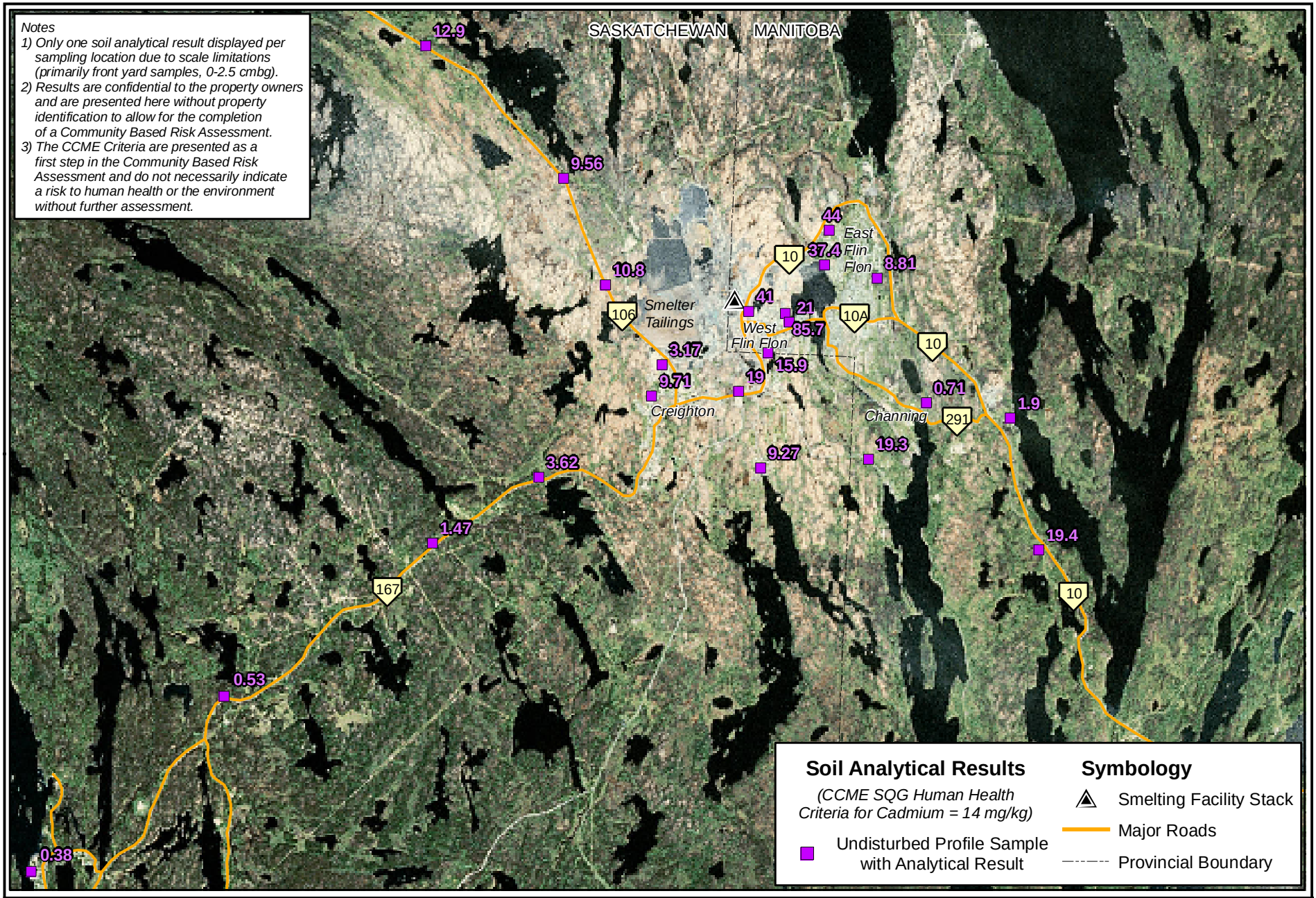
Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY Jacques Whitford AXYS

MAP SCALE	DATA SCALE
1:100,000	N/A

DRAFT DATE	PROJECT	FIGURE NO.
February 21, 2008	1032002.01	2C

DRAWN	CHECKED	APPROVED
KM	JH	JH



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Undisturbed Soil Analytical Results - Cadmium

NORTH

900 450 0 900 1,800 2,700

Metres

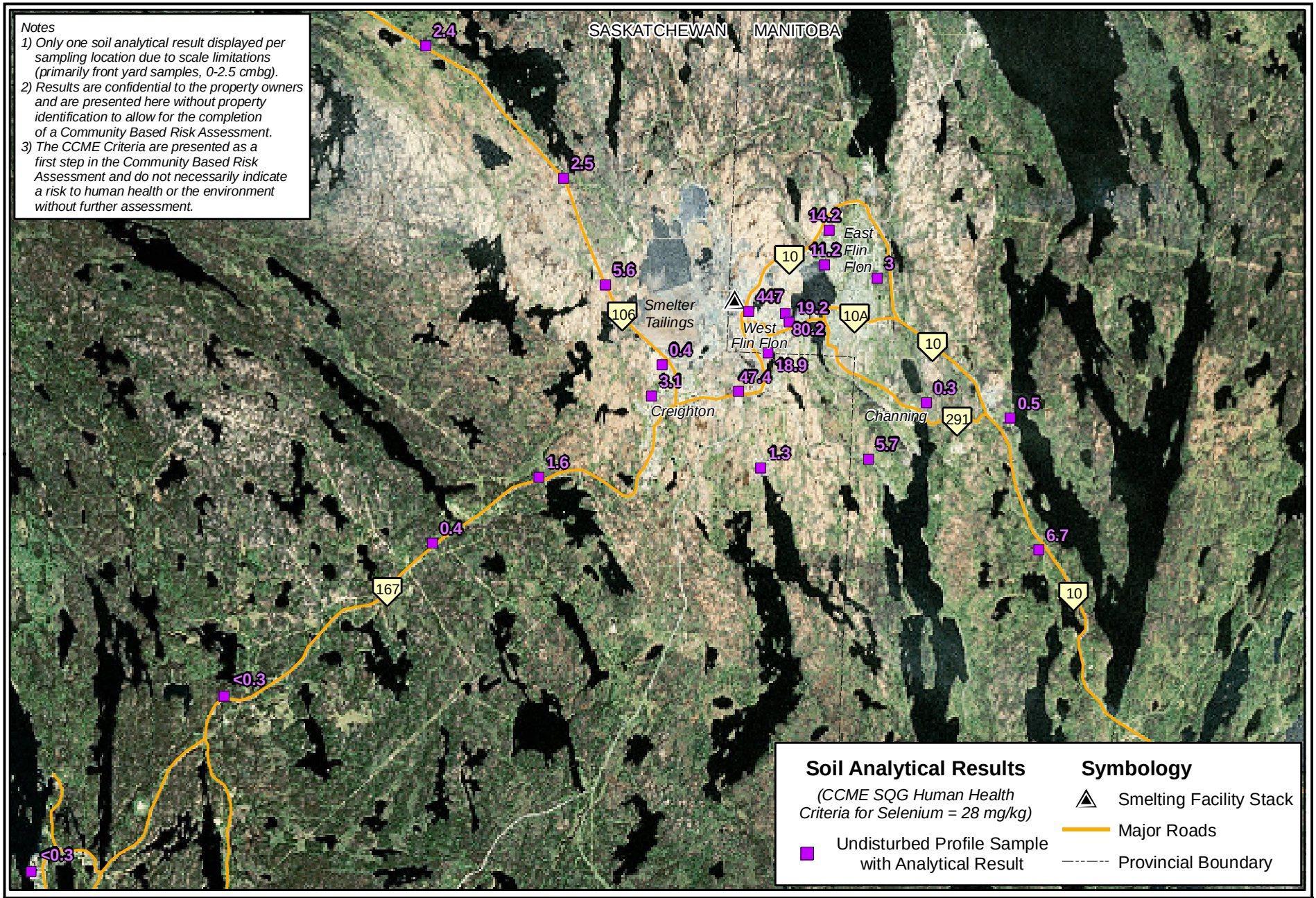
Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY Jacques Whitford AXYS

MAP SCALE	DATA SCALE
1:100,000	N/A

DRAFT DATE	PROJECT	FIGURE NO.
February 21, 2008	1032002 .01	2D

DRAWN	CHECKED	APPROVED
KM	JH	JH



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Undisturbed Soil Analytical Results - Selenium

NORTH

900 450 0 900 1,800 2,700

Metres

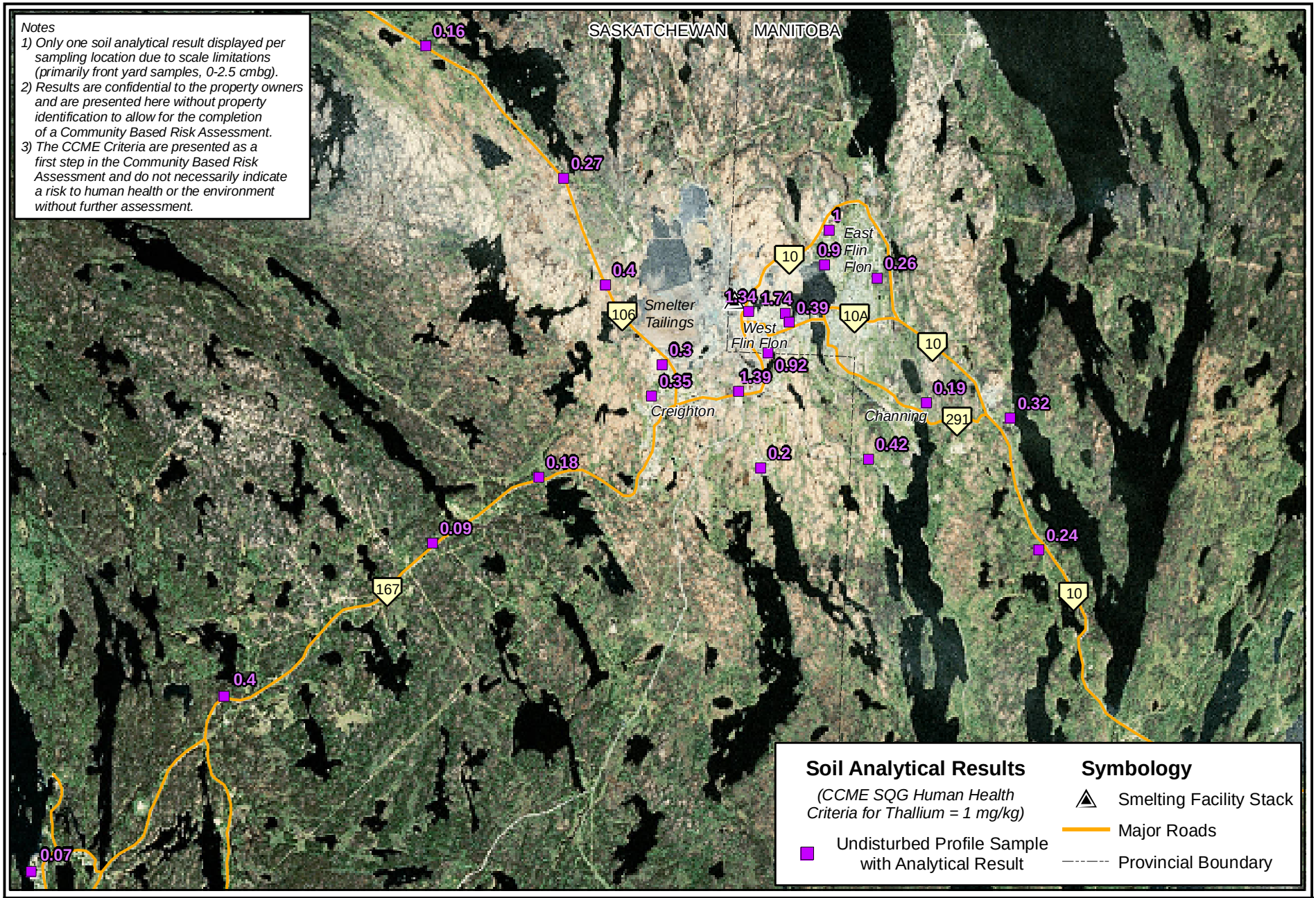
Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY Jacques Whitford AXYS

MAP SCALE	DATA SCALE
1:100,000	N/A

DRAFT DATE	PROJECT	FIGURE NO.
February 21, 2008	1032002 .01	2E

DRAWN	CHECKED	APPROVED
KM	JH	JH



HUDSON BAY MINING AND SMELTING CO., LIMITED - FLIN FLON, MB & CREIGHTON, SK

Undisturbed Soil Analytical Results - Thallium

NORTH

900 450 0 900 1,800 2,700

Metres

Acknowledgements:
Original Drawing by Jacques Whitford AXYS Ltd.

PREPARED BY Jacques Whitford AXYS

MAP SCALE	DATA SCALE
1:100,000	N/A

DRAFT DATE	PROJECT	FIGURE NO.
February 21, 2008	1032002.01	2F

DRAWN	CHECKED	APPROVED
KM	JH	JH

Appendix B

Site Photographs

Photo 1: Soil sample collection (Series 500, undisturbed site).
Smelter facility and smoke stack visible in background.

Photo 2: Soil profile (sample contained within stainless steel soil probe).

Appendix C

Assessor Qualifications

Jacques Whitford AXYS

Engineering, Scientific, Planning and Management Consultants

www.jacqueswhitford.com

ASSESSOR QUALIFICATIONS

Jim Hicks, B.Sc., P.Ag.

Manager, Agronomics Division

Jim Hicks has a Bachelor's Degree in Chemistry from the University of Winnipeg. He also holds a Professional Agrologist (P.Ag.) designation from the Manitoba Institute of Agrologists. Mr. Hicks manages contaminated site work in Manitoba and Saskatchewan for Jacques Whitford AXYS Ltd. and has conducted dozens of Phase I, II, and III Environmental Site Assessments and remediation programs throughout Western Canada.

Peter Reid, M.Eng., P.Eng.

Director, Environmental Site Assessments

Mr. Peter Reid M.Eng., P.Eng. (BC, ON) is a Service Director for Environmental Site Assessment and Remediation for Jacques Whitford AXYS Ltd. Mr. Reid has completed over 600 environmental investigations and is currently appointed to the Roster of Professional Experts in British Columbia. Mr. Reid provided senior review prior to the release of this report.

Appendix D

Tabulated Analytical Results

Table 1.0 Series 100 - Creighton, Saskatchewan. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
1	CS101F	0-2.5	1.13	61.8	12.5	19.5	730	120	3.5	0.26	750	14.4	21.5	498
2	CS101B	0-2.5	1.61	61.5	14.3	24.5	860	130	3.8	0.24	234	25.7	19.9	702
3	CS102F	***0-2.5***	0.55	26.5	10.9	18.6	520	84.4	2.4	0.17	94	17.5	17.8	642
4	CS102F	***2.5-5***	10.9	51.7	9.92	33.8	510	154	5	0.27	96	20	31.6	1780
5	CS102F	***10-15***	0.57	12.5	1.71	22.6	54	23.6	0.6	0.12	50	14.6	25.6	641
6	CS102B	***0-2.5***	7.8	52.5	14.5	35.5	710	171	6.1	0.3	123	24.4	37	2140
7	CS102B	***2.5-5***	3.4	31.6	6.97	43.1	298	97.8	4.3	0.25	174	23.8	42.5	1730
8	CS102B	***10-15***	0.36	19.5	2.65	38.6	118	46.3	1.2	0.19	125	22.7	39.6	798
9	CS103F	0-2.5	12.8	189	16.7	27.6	1480	252	12.4	0.44	81	20.2	31.1	1420
10	CS103B	0-2.5	11.6	151	16.8	23.4	1010	221	9	0.37	61	25.9	20.2	999
11	**CS103G**	0-5	0.14	6.7	1.1	18	50	11.1	<0.3	0.08	51	9.5	17	126
12	CS104F	0-2.5	38.8	314	20.5	40.4	1270	394	20.4	0.67	89	17.7	51.9	1690
13	CS104B	0-2.5	8.9	285	22.3	52.1	1380	365	15.1	0.81	100	31.1	61.5	1900
14	**CS104G**	0-5	2.22	54.7	5.63	57	310	80.8	3.2	0.38	174	31.8	58.6	1180
15	CS105F	0-2.5	1.5	117	15.9	48	970	222	8.5	0.48	81	17.5	54.6	797
16	CS105B	0-2.5	0.71	51.8	6.8	31.1	292	66.7	2.8	0.35	223	28.6	54.3	498
17	CS106F	0-2.5	8.4	65.7	12.7	35.6	660	177	6.6	0.31	96	20.3	39.8	2180
18	CS106B	0-2.5	1.14	26.8	5.41	43.8	195	39.8	1.9	0.24	151	25.8	48.9	586
19	CS107F	0-2.5	0.21	11.4	1.36	18.3	67	17.5	1	0.14	100	15.7	24.6	127
20	CS107B	0-2.5	16.5	102	24.4	30.4	1240	259	10	0.51	92	13	27.3	2160
21	**CS108S**	0-5	0.03	1.6	0.4	11.3	26	3.4	<0.3	<0.05	32	6.1	13	25
22	CS108F	0-2.5	30.5	97.3	20.1	20.5	1200	287	13	0.35	75	13.3	21.2	2810
23	CS108B	0-2.5	2.15	73.5	21.9	18.6	1050	182	4.9	0.32	74	11.8	17	956
24	**CS109S**	0-5	0.02	1.7	0.29	10.9	19	2.8	<0.3	<0.05	25	6.1	11.4	22
25	CS110F	0-2.5	0.27	29.5	11.3	23.1	452	72	2.3	0.26	138	19.1	33.1	489
26	CS110B	0-2.5	0.42	26	16.2	15.5	540	93.6	1.9	0.18	81	12.2	19.3	833
27	**CS110S**	0-5	0.06	4	0.97	10.2	44	7.1	<0.3	0.05	29	5.9	13	62
28	CS111F	***0-2.5***	4.8	36.3	12.8	21.7	720	154	4.2	0.23	47	11.5	16.8	476
29	CS111F	***2.5-5***	1.66	13.4	10.8	11.6	273	55	2.6	0.12	74	13.8	19	880
30	CS111F	***10-15***	0.68	9.4	2.03	13.7	87	17.8	1.3	0.09	106	11.5	18.6	460
31	**CS111S**	0-5	0.07	3.5	0.55	11.4	32	5.4	<0.3	0.05	34	6.7	12.2	52

The CCME Criteria are presented as a first step in the Community Based Risk Assessment and do not necessarily indicate a risk to human health or the environment without further assessment.

Table 1.0 Series 100 - Creighton, Saskatchewan. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
32	CS112F	0-2.5	4.8	53.1	26.4	49.3	930	228	5.2	0.35	97	20.7	20	1650
33	CS112B	0-2.5	10.5	60.4	19.7	38.7	960	249	5.5	0.3	52	16	13.8	707
34	**CS112G**	0-5	0.6	18.7	3.84	19.4	141	1490	5.8	0.14	98	11.9	21.7	350
35	CS113F	0-2.5	6.1	39	14.1	26.2	650	194	5.3	0.2	76	25.4	27.1	2010
36	CS113B	0-2.5	5.5	20.6	13.8	21	477	115	3.7	0.14	89	12.9	20.9	3020
37	CS114F	0-2.5	2.6	33.7	27.8	21	1090	200	5.6	0.25	97	12.1	19.9	1270
38	CS114B	0-2.5	1.3	26.6	11.6	38.1	384	99.3	1.9	0.24	100	19.7	36.4	636
39	CS115F	0-2.5	0.92	17.6	12.9	18.4	404	86.4	2.1	0.18	79	15.3	23.6	577
40	CS116F	0-2.5	0.34	9.9	5.45	40.6	192	33.8	1	0.21	107	23.1	42.8	264
41	CS117F	0-2.5	0.84	25.8	9.49	16.4	472	83.3	2.4	0.18	66	9.7	16.7	686
42	CS117B	0-2.5	1.38	22	16.8	15.5	680	122	3.3	0.22	76	9.8	16.5	640
43	CS118F	0-2.5	1.3	23.6	19.4	36.8	610	199	4.4	0.29	138	16.5	32.9	4120
44	CS118B	0-2.5	10.5	25.5	23.7	34.4	640	248	4.8	0.28	148	17	30.1	3420
45	**CS118G**	0-5	1.14	18.3	5.44	32.3	186	84.3	1.3	0.2	101	16.2	36.9	819
46	CS119F	0-2.5	2.08	12.8	5.42	21.3	194	58.2	1.1	0.11	51	11.9	20.1	504
47	CS119B	0-2.5	3.8	26.2	20	28.4	590	238	3.7	0.23	152	16.1	21	1380
48	**CS119G**	0-5	0.69	26.8	5.99	23.8	212	156	1.6	0.17	360	13.5	23.7	1200
49	CS120F	0-2.5	4	25.6	23.6	30.3	830	193	5.2	0.31	95	16.9	32.1	3130
50	CS120B	0-2.5	0.84	15.7	8.14	28.6	388	63.4	1.6	0.16	82	28.8	29.3	691
51	CS121F	0-2.5	2.2	17.6	12.4	28.3	410	122	3.2	0.18	78	13.4	25.8	2170
52	**CS122S**	0-5	0.04	2	1.1	9.8	51	6.4	<0.3	<0.05	33	5	10.9	29
53	CS123F	0-2.5	0.79	11	9.69	13.5	344	70.6	1.7	0.13	72	9.1	13.1	433
54	CS124F	0-2.5	0.63	16.9	8.87	23.1	362	69.3	2	0.15	74	12.1	21.4	722
55	CS125F	0-2.5	20.7	152	31.8	39.6	1800	456	15	0.48	110	18.1	30.5	4660
56	**CS125G**	0-2.5	3.8	33.7	7.65	37.9	342	95.4	3.1	0.24	97	18	47.2	782
57	CS126F	0-2.5	2.25	35.7	13.1	20.2	590	137	4.2	0.21	66	11.1	19.7	987
58	CS126B	0-2.5	1.94	29.3	8.2	54.9	389	89.7	2.6	0.36	146	33.1	57	885
59	CS127F	0-2.5	7.8	102	17	20.1	900	248	17.2	0.35	81	13.6	20.2	1470
60	CS127B	0-2.5	2.4	24.1	4.99	11.5	191	55.9	2.2	0.12	26	7.8	12.7	422
61	**CS127S**	0-5	0.16	5.1	0.93	15.2	49	9.6	0.5	0.07	42	7.4	16.3	64
62	CS128F	***0-2.5***	8.4	102	18.4	39.2	940	236	7.4	0.38	84	32.8	29.9	1560

The CCME Criteria are presented as a first step in the Community Based Risk Assessment and do not necessarily indicate a risk to human health or the environment without further assessment.

Table 1.0 Series 100 - Creighton, Saskatchewan. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
63	CS128F	***2.5-5***	3	43.7	6.6	34	425	156	3.7	0.29	92	17.5	38.8	1110
64	CS128F	***5-10***	0.31	26.3	3.94	39.3	137	64.9	0.8	0.23	146	24.1	39.7	548
65	CS128F	***10-15***	0.2	28.1	4.17	37.8	120	61.4	0.8	0.21	126	23.4	37.2	859
66	CS129F	0-2.5	19.8	220	12.2	37.1	1320	392	16.3	0.52	90	17.2	33.9	1600
67	**CS129G**	0-5	1.23	29.7	5.07	39.1	207	80.6	1.5	0.27	163	23.9	41.2	927
68	CS130F	0-2.5	7.4	87.4	9.8	21.4	680	146	6.9	0.3	55	12.5	16.7	653
Laboratory Detection Limits			*0.01*	*0.2*	*0.01*	*0.5*	*1*	*0.1*	*0.3*	*0.05*	*1*	*0.5*	*0.1*	*1*

Notes

1. CCME SQG Human Health Criteria: Soil Quality Guideline for Human Health is based on soil ingestion
2. CCME SQG Environment Criteria: Soil Quality Guideline for Environment is based on soil contact
3. Sample IDs: F = Front Yard B = Back Yard **S** = Sandbox **G** = Garden; Sandboxes and gardens are in bold due to heightened exposure pathways
4. Depth: cmbg = centimetres below grade; depths that indicate profile sampling to 15 cm in depth are in italics and bold
5. Shaded Cells: Above the referrenced CCME Criteria, as illustrated in bold along the top row
6. Results are confidential to the property owners and are presented here without property identification to allow for the completion of a Community Based Risk Assessment.

Table 2.0 Series 200 - West Flin Flon, Manitoba. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
1	FF201F	0-2.5	45	18.9	7.22	19.9	640	81.5	10.2	0.18	95	14	23.1	1280
2	FF201B	0-2.5	43	19	5.33	22.8	600	62.7	8.2	0.25	190	24	37.6	805
3	FF202F	0-2.5	168	51	26.4	25.3	3290	335	41.6	0.33	144	22.5	29	4010
4	**FF202G**	0-5	22	37.6	11.1	19.7	750	236	8.5	0.21	203	11.5	19.8	3080
5	FF203F	0-2.5	228	85.6	33.5	22	4140	491	59.7	0.37	139	24.2	21.4	7440
6	FF203B	0-2.5	104	52.6	15.9	23.5	1730	215	26.7	0.2	81	28.3	25.4	3870
7	FF204F	0-2.5	45	23.7	23.5	15.4	1920	172	13.4	0.19	83	13.2	16.4	2010
8	FF205F	0-2.5	2.42	17.6	6.17	10.8	820	38.3	3.3	0.1	104	13.7	15.8	742
9	FF205B	0-2.5	39	61.7	31	26	3590	245	19.1	0.3	107	24.6	30.4	4540
10	FF206F	0-2.5	184	41.7	15.6	27.5	1880	199	41.3	0.29	102	16.8	28.7	3270
11	FF206B	0-2.5	100	49.2	21	26.1	1610	209	32.4	0.32	127	18	25.1	4410
12	FF207F	0-2.5	41	47.7	21.3	38.7	1940	190	15.5	0.32	131	20.9	35.8	2850
13	FF208B	0-2.5	230	129	37.8	75.5	2850	520	52.8	0.58	288	41.8	41.5	9630
14	FF209B	0-2.5	132	97.3	19.7	31.3	1790	281	53.5	0.37	121	20.4	32.2	4350
15	**FF209G**	0-5	52	40.3	10.5	32.5	770	119	14	0.32	143	23.4	45.9	2230
16	FF210B	0-2.5	101	88.5	26.8	46.6	2120	420	26.5	0.56	220	23.2	49.7	4260
17	FF211B	0-2.5	52	65.6	24	32.4	2130	338	17.2	0.39	116	18.4	41.8	2290
18	FF212F	0-2.5	70	82.3	20	35.3	1520	464	21.7	0.37	145	18.2	28.6	5030
19	FF213B	0-2.5	38	47.7	16.7	44.2	1330	219	11.3	0.34	150	25.8	40.9	2940
20	FF214F	0-2.5	101	45.9	25.6	21	2470	283	33.3	0.29	94	15.2	20.3	3510
21	FF215F	0-2.5	142	86.4	34.9	35.5	3000	583	39.2	0.42	117	22.4	34.3	7310
22	**FF215G**	0-5	10	25.1	5.84	36.3	344	99.9	4.4	0.25	134	21.3	37.6	1390
23	FF216B	0-2.5	43	60.1	22.7	31.4	1610	355	15.7	0.41	354	19.9	29.2	4680
24	FF217B	0-2.5	15	63.9	15.9	40.6	960	224	7.2	0.44	196	26	40.1	3710
25	FF218F	0-2.5	73	32.7	25.4	38.7	2330	312	27.8	0.29	90	20.3	33.2	2880
26	**FF218G**	0-5	5	14.8	4.98	28.6	348	78.4	3.2	0.18	131	18.2	29.3	836
27	FF219F	0-2.5	26	50.6	18.1	27.9	1220	210	9.9	0.31	158	20.2	32.1	3690
28	FF219B	0-2.5	219	75.8	27.4	23.8	2410	402	48.3	0.4	167	20.8	43.8	5060
29	FF220B	0-2.5	245	116	41.5	31.7	2440	497	75.1	0.53	107	24.6	29.1	12600
30	FF221F	0-2.5	5	10.2	3.95	17.9	335	41.7	1.8	0.1	55	10	17.9	484
31	FF222F	0-2.5	88	115	40.4	19.6	3920	486	40.2	0.5	102	15.2	19.9	7490
32	FF223F	***0-2.5***	300	237	55.1	27.6	5260	804	97.3	0.74	106	25.8	26.6	14100

The CCME Criteria are presented as a first step in the Community Based Risk Assessment and do not necessarily indicate a risk to human health or the environment without further assessment.

Table 2.0 Series 200 - West Flin Flon, Manitoba. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
33	FF223F	***2.5-5***	74	193	41.3	35.2	1810	472	29	0.61	116	27.4	36	21200
34	FF223F	***10-15***	0.38	11.3	1.19	81.7	97	27.5	0.6	0.44	230	50.8	86.2	414
35	FF224F	0-2.5	72	89	27	27.6	2350	284	18.8	0.41	166	16.6	28.6	5140
36	FF225B	0-2.5	90	77.9	24	66.2	1830	274	28.4	0.33	159	27.4	30.4	4520
37	FF226F	0-2.5	73	61.5	34.7	31.3	5360	451	32	0.4	96	15	31.1	3630
38	FF227F	0-2.5	501	71.6	26.4	38.5	2890	483	116	0.39	151	19.7	26.2	3310
39	FF228F	0-2.5	290	89	29.2	35.7	2670	390	66.7	0.49	136	22	34.2	6020
40	FF229F	0-2.5	320	66.7	31	39.7	2530	353	75.9	0.41	94	20.5	40.3	4550
41	FF231F	***0-2.5***	520	128	70.8	67	7810	819	129	0.62	124	22.8	24.7	12700
42	FF231F	***2.5-5***	535	124	51.1	36.2	3970	599	124	0.55	114	21.8	26.1	14900
43	FF231F	***10-15***	2.16	50.3	6.7	31.7	249	81	6	0.28	158	27	39.2	1880
44	FF232F	0-2.5	25	33.9	12.2	22.2	1290	121	7.6	0.18	60	14.4	28.6	1520
67	FF233F	0-2.5	0.19	32.7	1.68	28.1	85	52.2	0.7	0.19	90	16.1	34.7	390
45	FF233B	0-2.5	39	19.6	9.25	17.3	930	148	11.8	0.14	103	13.1	17	1550
46	FF234F	0-2.5	84	45.5	23.1	43.9	2330	332	26.2	0.39	156	27.2	39.8	4220
47	FF235F	0-2.5	99	55.8	17.2	39.4	1680	226	29.6	0.22	71	27.1	39	3520
48	FF235B	0-2.5	370	169	50	30.7	3850	746	98.1	0.6	1640	39.7	36.4	14800
49	**FF235G**	0-5	8	9.8	3.16	14.8	251	37.1	2.8	0.09	86	13.7	17.7	542
50	FF236F	0-2.5	196	58.1	26.6	25	2470	338	48.8	0.35	118	17.2	20.5	4980
51	FF237F	0-2.5	164	80.8	24.2	64.6	2830	389	39.7	0.5	161	36.3	62.6	5890
52	FF237B	0-2.5	73	107	34.2	31.9	2400	483	27.6	0.42	149	20.9	30.9	8640
53	FF238F	0-2.5	61	43.5	13.9	21	1110	228	20.3	0.24	85	14.2	21.1	2960
54	FF239F	0-2.5	127	104	57.9	33.9	3770	638	43.3	0.61	144	20.6	29.4	8780
55	FF240F	0-2.5	0.43	5	1.32	12.5	72	23.2	0.7	0.06	39	9	13.3	182
56	**FF240S**	0-5	0.34	2.9	0.86	11.8	71	6.2	<0.3	<0.05	27	6.6	13.3	64
57	FF241F	0-2.5	18	34	10.4	30.7	70	184	6.4	0.25	152	19.3	45.1	2030
58	FF242F	0-2.5	40	29.8	24.6	28.7	2270	228	13.4	0.24	89	17.1	23.7	1570
59	FF243F	0-2.5	12	21.5	8.58	43.2	730	111	4.9	0.25	114	24.7	46.3	1050
60	FF244B	0-2.5	123	86.9	31.8	33.7	2240	490	33.6	0.47	136	19.8	33.3	11600
61	FF245F	0-2.5	45	37.7	18.3	40.2	1620	251	17.8	0.28	112	21	35.7	2050
62	FF246F	0-2.5	75	79.4	44.4	36.7	2990	498	33.2	0.56	129	25.2	33.2	8320
63	FF247F	0-2.5	4.1	17.2	9.26	18.3	580	84.9	3.2	0.17	76	12.2	21.8	1000

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Table 2.0 Series 200 - West Flin Flon, Manitoba. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
64	FF248F	***0-2.5***	61	68.3	31.5	32.3	2100	376	24.9	0.48	95	23.3	33.4	8990
65	FF248F	***2.5-5***	10	57.5	17	30.3	670	190	6.1	0.32	118	22.8	33.6	7440
66	FF248F	***10-15***	0.59	35.8	12.6	36.8	287	154	2.4	0.33	329	23.1	37.4	1700
68	FF249F	0-2.5	28	52.1	19.6	41.6	1330	287	12.1	0.42	144	27	41.1	5980
69	**FF249G**	0-5	3.7	16	3.94	24.4	293	64.6	2.1	0.16	100	16.9	28.9	738
70	FF249B	0-2.5	17	26.8	16.8	30	1260	206	8.5	0.18	101	19.9	22.7	2040
71	FF250F	0-2.5	31	36.3	13.9	31.2	900	220	11.4	0.24	116	20	34	4900
72	FF251F	0-2.5	29	38.4	16.9	29.9	1140	260	12.4	0.34	98	17.8	29	4210
73	FF252F	0-2.5	63	70.2	32.3	26.2	2720	534	30.1	0.48	132	18.7	26.4	9530
74	FF253F	0-2.5	76	36.3	35.2	20.7	2730	328	29.5	0.32	95	17.5	19.6	4720
75	FF254F	0-2.5	22	142	46.7	45.7	2190	820	18.1	0.69	126	22.4	23.9	9310
76	FF255F	0-2.5	0.28	112	20.9	24.2	1380	220	7	0.35	85	23	40.8	1930
77	FF256F	***0-2.5***	0.02	25.6	12.3	22.2	760	96.9	3.4	0.17	87	18.2	21.1	887
78	FF256F	***2.5-5***	1.4	15.5	4.6	26.3	302	40.6	1.7	0.14	75	16.7	23.6	573
79	FF256F	***10-15***	11	46.2	9.5	45.9	416	133	5.1	0.31	113	26.7	46.3	3680
80	FF258F	0-2.5	42	139	35.1	36.2	2310	476	30.5	0.54	125	24.6	36.4	7210
81	**FF258G**	0-5	5.4	18.8	5.45	28.4	300	92.4	2.6	0.22	116	15.9	28.8	1220
82	FF259F	0-2.5	64	55.9	20.6	43.9	2000	408	25.3	0.33	199	14.9	30.4	2230
83	**FF259G**	0-5	3.9	16	3.79	50.8	184	47.8	1.8	0.29	158	30.2	52.7	905
84	FF260F	0-2.5	4.9	18.2	7.77	19.8	530	77.6	2.8	0.13	54	12.1	21.1	738
85	**FF260S**	0-5	0.2	6	0.91	11.3	88	12	0.3	0.05	28	5.8	10.9	52
86	FF261F	0-2.5	7.4	19	8.08	18.7	550	111	4.8	0.14	61	11	17.3	1090
87	**FF261G**	0-5	2.4	21.3	4.89	36.5	254	78	1.9	0.21	111	18.9	37.8	1030
88	FF262F	0-2.5	1.2	14.9	3.16	24.2	159	25.4	1.5	0.2	139	19.2	28.9	268
89	FF262B	0-2.5	32	79.8	24	27.1	1250	354	14.6	0.46	196	18.9	38.1	6440
90	FF263F	0-2.5	84	96.5	46.4	12.5	2970	434	27.2	0.41	82	11	13.2	6060
91	FF264F	0-2.5	3.9	22.7	8.19	29.6	580	118	2.5	0.18	77	18.2	28.1	921
92	FF265F	0-2.5	3.6	15	5.24	32	335	63.9	2	0.23	124	18.9	34.5	799
93	FF266F	0-2.5	76	62.4	37.9	26.6	3310	418	28.3	0.38	90	15.5	21.3	3810
94	FF267F	0-2.5	31	23.4	10.9	24	980	250	8.4	0.17	81	14.1	20.4	1660
95	FF268F	0-2.5	19.2	44	30.8	40.3	2410	256	14.2	0.36	89	18.2	36	2440
96	FF268B	0-2.5	113	65.5	28.7	29	2750	449	39.1	0.42	109	14.6	24.6	3950

The CCME Criteria are presented as a first step in the Community Based Risk Assessment and do not necessarily indicate a risk to human health or the environment without further assessment.

Table 2.0 Series 200 - West Flin Flon, Manitoba. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
97	FF269F	0-2.5	9.3	20	12.4	95.3	690	102	3.5	0.52	224	55.2	90.6	1040
98	FF270F	0-2.5	141	48.4	22.1	22.5	2360	296	50.4	0.34	123	16.7	22.4	3120
99	FF271F	0-2.5	330	98.9	49.8	28.2	5530	726	95.2	0.54	100	19.8	22.8	9220
100	FF272F	0-2.5	80	51.8	33	22.7	3020	388	26.2	0.39	100	17.3	24.8	4340
101	FF273B	0-2.5	73	94.2	27.3	31	2270	398	28.1	0.5	100	20.4	35.4	6500
102	FF274F	0-2.5	32	65.2	19.2	31.7	1550	262	11.1	0.37	99	17.1	34	4100
103	FF275F	0-2.5	67	86	22.5	34.6	2820	308	25.1	0.43	178	23.1	38.9	5790
104	FF276F	0-2.5	971	159	58.1	38.7	5470	750	286	0.7	129	28.6	23.4	14800
105	FF277F	0-2.5	183	222	36.5	50.4	2940	640	65.7	0.86	284	33.1	37.1	14200
106	FF278F	0-2.5	71	138	25.4	42.2	2920	461	25.2	0.58	118	25.4	40.2	5670
107	FF279B	0-2.5	20	35.4	10.2	17.1	1130	138	6.8	0.19	52	11	16	1480
Laboratory Detection Limits			*0.01*	*0.2*	*0.01*	*0.5*	*1*	*0.1*	*0.3*	*0.05*	*1*	*0.5*	*0.1*	*1*

Notes

1. CCME SQG Human Health Criteria: Soil Quality Guideline for Human Health is based on soil ingestion
2. CCME SQG Environment Criteria: Soil Quality Guideline for Environment is based on soil contact
3. Sample IDs: F = Front Yard B = Back Yard **S** = Sandbox **G** = Garden; Sandboxes and gardens are in bold due to heightened exposure pathways
4. Depth: cmbg = centimetres below grade; depths that indicate profile sampling to 15 cm in depth are in italics and bold
5. Shaded Cells: Above the referrenced CCME Criteria, as illustrated in bold along the top row
6. Results are confidential to the property owners and are presented here without property identification to allow for the completion of a Community Based Risk Assessment.

Table 3.0 Series 300 - East Flin Flon, Manitoba. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
1	FF301F	0-2.5	7.6	24.1	30.8	28.2	980	202	5.1	1.51	78	16.6	20.1	3430
2	FF301G	0-5	0.39	8.9	3.2	45	129	30.2	1.3	0.31	201	31.1	49.1	511
3	FF302F	0-2.5	7.4	17.4	21	41.4	1100	304	5.1	0.34	133	25.8	40	4160
4	FF302B	0-2.5	3.9	28.4	17.8	46	890	214	5.8	0.39	115	26.5	43.2	3820
5	**FF302S**	0-5	0.06	11.3	0.42	18	43	4.7	0.3	0.07	23	13.8	27.6	53
6	FF303F	0-2.5	0.33	8.6	12.7	11.6	480	81.1	1.3	0.14	58	9.6	13.4	494
7	FF303B	0-2.5	4.6	23.6	14.9	35.4	840	203	6.3	0.32	79	18.4	32.4	2320
8	**FF303G**	0-5	0.07	4	2.49	16.7	94	17.5	1.1	0.16	128	14.8	28.5	150
9	FF304F	0-2.5	5.9	12.3	19.6	33.3	870	166	4	0.27	92	19.3	33.6	1910
10	FF304B	0-2.5	4.1	16.5	22.3	24.4	1040	178	4.5	0.22	84	16.5	26.5	2940
11	FF305F	0-2.5	7.7	23.7	21.6	32.8	1180	229	6.6	0.26	78	18.9	23.3	3600
12	FF305B	0-2.5	7.2	17.7	14.7	22.2	1020	221	6	0.18	62	14.1	16.6	3790
13	FF306B	0-2.5	1.6	18.3	15.9	22.3	1130	228	6.4	0.22	67	13.7	17.4	4150
14	**FF306S**	0-5	<0.01	1.4	0.23	11.3	20	2.5	0.4	<0.05	27	6.7	11.3	21
15	FF307F	0-2.5	10.2	20	27.3	27.7	1360	275	8.6	0.3	141	18.5	27.4	5490
16	FF307B	0-2.5	6.7	23.1	14	37.4	710	210	4.7	0.3	127	21	39.7	2800
17	FF308B	0-2.5	0.57	12.1	8.32	41.8	328	94.8	2.1	0.31	138	27.1	42.7	880
18	FF308B	10-15	1.4	11.7	3.01	41.8	137	43.7	1.5	0.27	133	25.2	44.9	772
19	FF309B	0-2.5	0.18	7.4	3.84	21.3	176	47.9	0.8	0.13	87	12	20.5	344
20	FF310F	0-2.5	6.1	17.1	11.1	65.4	620	111	3.6	0.4	166	38.5	66.4	3350
21	FF310B	0-2.5	2.4	13.2	3.9	76.6	227	48.8	1	0.48	186	43.9	80.4	1210
22	FF311F	**2.5-5**	2.1	17.4	10.7	33.9	610	157	3.9	0.32	83	18.5	26.6	3170
23	FF311F	**10-15**	0.18	25.9	3.32	18.8	160	97	1.3	0.17	61	12.1	24.8	612
24	**FF311G**	0-5	0.5	13.3	3.52	31.7	158	61.9	1.4	0.22	116	20.2	35	711
25	FF311B	0-2.5	0.6	10.6	12.7	21.5	480	96.8	1.7	0.16	85	11.6	19.5	684
26	FF312F	0-2.5	2.9	18.1	10	33.8	830	110	4.1	0.24	125	24.7	36.7	1660
27	FF312B	0-2.5	6.6	14.3	19.2	30.5	989	164	3.6	0.25	91	18.2	29.2	1640
28	FF313F	0-2.5	1.4	13.7	8.85	45.6	440	67.7	2.1	0.33	209	30	53.9	824
29	FF313B	0-2.5	4.1	17.1	7.51	25.7	418	69.1	2.1	0.26	176	21.4	38.9	1470
30	FF314F	0-2.5	4.5	14.2	10.9	27.7	550	110	3.9	0.24	188	20.8	34.6	2010
31	FF314B	0-2.5	2.6	16.6	8.29	29.1	350	63.8	2.8	0.28	219	27.8	43.9	1830
32	**FF314G**	0-5	0.7	12.8	3.12	53.5	196	36.7	1.6	0.3	133	28.5	53.9	577

The CCME Criteria are presented as a first step in the Community Based Risk Assessment and do not necessarily indicate a risk to human health or the environment without further assessment.

Table 3.0 Series 300 - East Flin Flon, Manitoba. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
33	FF315F	0-2.5	5.4	7.9	12.9	36.8	770	128	3.6	0.19	87	15	26	1030
34	FF315B	0-2.5	4.4	8.2	11.8	27	580	109	3.9	0.19	90	16.8	28.1	1420
35	**FF315G**	0-5	0.5	6	2.25	23.2	122	37.9	1	0.14	85	14.7	24.6	411
36	FF316F	0-2.5	5.6	15	13	32.2	680	117	3.5	0.16	65	14.8	19.5	1910
37	FF316B	0-2.5	5.1	9.1	8.99	20.7	472	85.1	2.7	0.15	70	12.8	20.7	1410
38	FF317F	0-2.5	0.16	6.2	3.9	22.7	135	25.1	0.8	0.16	125	16.7	29.1	184
39	**FF317S**	0-5	0.1	2.4	0.73	9.1	38	6.8	<0.3	<0.05	19	5.6	10.8	73
40	FF317B	0-2.5	6.2	10.8	26.2	32	1110	180	4.4	0.22	105	13.9	19.2	2220
41	**FF317G**	0-5	0.32	7.4	3.68	24.3	167	31.8	1.3	0.15	147	19	25.9	437
42	FF318F	0-2.5	6.3	5.6	9.87	29.4	590	78.1	3.1	0.14	68	13.1	18	782
43	FF318B	0-2.5	3.3	4.1	10.8	27.2	414	75.3	1.7	0.12	44	9.3	16	730
44	FF319F	0-2.5	4.2	17.7	13.7	22	800	128	3.5	0.24	76	12.3	19.4	1240
45	FF319B	0-2.5	2.8	11.5	14.3	15.7	700	107	2.5	0.12	65	8.2	12.1	549
46	FF320F	0-2.5	1.4	8.4	13.2	12.5	720	114	2.7	0.15	85	11.4	15.5	1090
47	FF320B	0-2.5	8.3	18.2	28.4	25.1	1420	243	6.9	0.22	79	20.1	15.8	3580
48	FF321F	0-2.5	4.3	11.8	14.3	30.1	840	144	3.9	0.25	120	19.3	27	1890
49	FF322F	0-2.5	0.19	8.7	1.29	24.8	75	16.5	0.5	0.25	230	24.4	41.9	160
50	FF322B	0-2.5	2.8	13.4	8.56	43	461	70.8	2.1	0.3	159	31.2	50.1	1120
51	FF323F	***0-2.5***	9.93	26.5	19.5	41.1	970	289	6.3	0.34	98	23.5	41.1	3290
52	FF323F	***2.5-5***	0.5	13.4	5.73	46.8	190	49.5	1.1	0.31	126	29.5	53.7	1320
53	FF323F	***10-15***	0.06	8.9	1.04	73.7	66	21.6	<0.3	0.37	204	43.8	79.2	270
54	FF323B	***0-2.5***	3	11.3	11.6	26.3	540	112	2.9	0.16	71	17	24.1	946
55	FF323B	***2.5-5***	1.2	12.5	3.11	39.4	132	64	0.8	0.22	100	23.8	42.1	752
56	FF323B	***10-15***	0.6	13.4	3.98	35.2	164	78.2	1	0.2	103	27.4	34.7	964
57	FF324F	0-2.5	1.2	10.6	5.24	35.6	265	46.2	2.1	0.27	174	58.9	45.4	725
58	**FF324G**	0-5	0.6	8.6	2.45	46.6	124	25	0.8	0.28	182	31.2	55.9	484
59	FF324B	0-2.5	1.2	12.7	7.89	26.7	389	55.5	1.4	0.22	161	21.2	36.6	567
60	FF325F	0-2.5	2.5	21.1	15.4	20.1	820	131	3.5	0.19	132	16.2	24.1	983
61	FF325B	0-2.5	0.8	13.5	5.44	28.3	278	58.1	1.9	0.18	135	21.8	35.9	591
62	FF326F	0-2.5	5.9	14	13.4	35	730	106	4	0.29	124	25.4	50.5	1260
63	FF326B	0-2.5	4.2	14	17.9	33.7	760	108	4.3	0.26	157	19.6	39	1420
64	FF327F	0-2.5	0.11	4.1	1.19	13.9	57	10.3	0.4	0.06	48	12.5	15.8	106

The CCME Criteria are presented as a first step in the Community Based Risk Assessment and do not necessarily indicate a risk to human health or the environment without further assessment.

Table 3.0 Series 300 - East Flin Flon, Manitoba. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
65	FF327B	0-2.5	3.2	35.3	13.4	19.6	600	123	3.2	0.24	128	16.6	31.3	1900
66	FF328F	0-2.5	6.7	11.6	13.3	20.5	800	99.2	2.8	0.13	66	11.4	18.7	874
67	FF329F	0-2.5	11.1	21.2	26.9	23.6	1420	212	7	0.25	154	17.2	28.8	2460
68	FF329B	0-2.5	6.9	16.9	13.1	42.4	680	127	3.8	0.32	140	23.9	44.4	2820
69	FF330F	0-2.5	9.4	18.8	12.6	45.8	770	176	4	0.28	112	22.7	41.3	2800
70	FF330B	0-2.5	6.5	18.3	15	22.2	720	183	4.8	0.17	92	15.6	24.1	2920
71	FF331F	0-2.5	15.8	17	20.9	30.1	1190	212	6.6	0.24	103	16.8	30.9	3120
72	FF332F	0-2.5	12.7	15.5	20.6	45.8	1350	207	7.8	0.26	85	17	32	1890
73	FF332B	0-2.5	0.99	12.5	5.7	33.6	268	72.2	1.4	0.22	100	21.6	36.8	948
74	FF333F	0-2.5	0.97	9.6	12.6	19.9	740	88.2	2.6	0.15	101	13.2	19.4	704
75	FF333B	0-2.5	1.58	19.1	16.8	19	850	127	2.7	0.16	92	9.9	15.4	822
76	FF334F	0-2.5	1.42	7.2	4.25	15	255	47.1	1	0.07	47	9.1	14.8	579
77	FF335F	0-2.5	10.1	18.3	23.4	24.6	1170	198	6.1	0.21	74	14.7	23.2	1920
78	FF336F	0-2.5	14.7	18.6	24	37.7	1290	188	7.7	0.3	105	19	35.4	1660
79	**FF336G**	0-5	4.2	19	6.3	38.6	282	86.7	1.7	0.27	122	22	44	1010
80	**FF337S**	0-5	<0.01	0.7	0.1	7.4	11	1.9	<0.3	<0.05	20	4.3	8.2	12
81	FF338F	***0-2.5***	3	14.9	11.1	15.9	610	84.5	2.4	0.12	68	14.5	20.1	998
82	FF338F	***2.5-5***	2.36	12.3	3.85	13.4	203	58.2	1.9	0.08	36	16.4	15.1	933
83	FF338F	***10-15***	0.13	8.1	1.62	13.2	52	24.9	0.3	0.08	33	10	14.3	418
84	FF339F	0-2.5	1.84	11.7	3.91	49.6	236	48.5	1.4	0.31	149	30	55.2	864
85	FF340F	0-2.5	13.8	19	19.8	43.4	1350	167	6	0.28	131	22.9	37.2	1190
86	FF341F	0-2.5	32	34.2	30.5	33.3	1770	357	11.6	0.31	166	22.8	32.2	5650
87	FF341B	0-2.5	0.8	10	5.48	21.5	286	39	1.5	0.19	162	23.1	34.9	372
88	FF342F	0-2.5	15.1	31.3	27.3	31.8	2050	236	8.1	0.27	100	19.3	34	2820
89	**FF342G**	0-5	0.98	9.3	3.7	20.7	254	31	1.1	0.1	64	12.7	19.7	350
90	FF343F	0-2.5	21.4	49.7	30.4	44	1640	552	10.4	0.47	181	20.1	33	8240
91	FF343B	0-2.5	15.7	15.9	11.9	16.3	890	114	9.8	0.16	84	13.8	19.2	1650
92	FF344F	0-2.5	17.9	29	30.9	31.8	1950	380	11	0.33	120	18.6	27.8	5400
93	FF344B	0-2.5	7	18.8	11.3	42.3	580	193	4.1	0.29	122	23.4	41.5	2290
94	**FF344G**	0-5	0.88	13	5.54	37.4	268	87.6	1.8	0.24	166	24.3	43.1	809
95	FF345F	0-2.5	6.8	31.1	14.9	47	880	160	4.3	0.36	177	27.4	48.2	2230
96	FF346F	0-2.5	7	25.3	20.1	36.1	1230	198	4.5	0.17	165	13.1	18.6	1940

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Table 3.0 Series 300 - East Flin Flon, Manitoba. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
97	FF347F	0-2.5	7.5	20.9	12.3	45.6	630	155	4.4	0.3	125	25.6	45.8	2450
98	**FF347G**	0-5	0.99	11.2	3.62	32	153	45.5	0.7	0.2	110	20.1	35.7	563
99	FF348F	***0-2.5***	0.46	11.4	12.9	49.1	600	97.1	1.7	0.34	161	32	55.2	665
100	FF348F	***2.5-5***	0.59	6.8	0.97	76.8	78	26.9	<0.3	0.44	215	46.5	84	218
101	FF348F	***10-15***	1.6	20	5.94	63.3	255	95.5	1.6	0.45	229	40.4	71.5	1550
102	FF349F	0-2.5	0.39	25.2	24.1	43.7	1360	208	4.2	0.31	99	21.4	22	1830
103	**FF349G**	0-5	0.41	5.8	1.74	38	117	23.8	0.7	0.2	117	22.4	41.9	325
104	FF350F	0-2.5	9.8	15.2	33.5	18	1540	232	6.8	0.23	72	8.5	15.4	1730
105	FF350B	0-2.5	1.3	7.6	5.8	35.4	292	47.2	1.6	0.22	103	19.4	34.7	574
106	FF351F	0-2.5	10.8	16.1	23.1	40.3	1040	178	4.1	0.28	98	18.4	35	1540
107	FF351B	0-2.5	3.4	16	25.7	28.8	1310	199	4.6	0.22	64	12.5	18.7	1350
108	**FF351G**	0-5	0.62	8.2	2.39	47.1	112	23.6	0.6	0.27	144	29.5	51.5	431
109	FF352B	0-2.5	11.2	18.5	24.5	21.7	1280	213	6.3	0.28	90	13.1	20	2440
110	FF353F	0-2.5	1.9	7.7	4.7	26.7	216	41.8	1.2	0.16	80	17.1	29.2	676
111	FF353B	0-2.5	12.5	22.7	26.7	16.8	1370	250	7	0.27	48	11.6	17.4	3380
112	**FF354G**	0-5	0.8	11.6	4.46	29.3	210	51.3	1.2	0.2	120	20.6	34.3	821
113	FF355F	0-2.5	0.15	3.5	3.08	16.8	144	21.1	0.4	0.08	56	9.6	17.3	198
114	FF355B	0-2.5	6.8	15.9	14.4	31.5	700	127	3.4	0.26	114	21	34.4	2010
115	FF356F	0-2.5	8.2	16.6	10.8	23.2	720	151	5.2	0.19	116	19.1	25.8	3080
116	FF356B	0-2.5	7	15.3	6.31	35.5	399	73.1	2.7	0.2	92	22.9	37	1500
117	FF357F	0-2.5	2.1	10.4	9.94	48	510	78.6	2.6	0.27	124	29.1	48.8	971
118	**FF357G**	0-5	1.3	11.7	5.16	50.5	260	52	1.4	0.31	147	32.9	54.4	839
120	**FF358G**	0-5	0.42	8.4	2.11	31	118	29.6	0.5	0.19	112	18.7	34.4	387
121	FF358F	0-2.5	11.4	16.6	11.9	72	660	171	5	0.46	162	33.3	64.1	2000
122	FF359F	0-2.5	0.16	7.4	1.32	24.7	79	17.8	0.7	0.22	185	23.2	38.8	182
123	FF359B	0-2.5	10.4	24.6	12.9	44.7	660	173	4.6	0.36	146	27.6	44.7	3110
124	FF359B	2.5-5	1.7	31.5	8.96	46	376	141	2.2	0.4	190	27.6	50.4	2320
125	**FF359G**	0-5	0.66	12.6	3.8	53.6	192	55.2	0.8	0.36	215	32.8	57	767
126	FF360F	0-2.5	0.14	8.2	4.55	13.7	248	35.8	0.8	0.1	42	9.7	15.5	287
127	FF360B	0-2.5	0.64	11.9	15.1	16.5	810	91.8	2.1	0.15	50	8.4	15	636
128	FF361F	0-2.5	1.6	7.4	5.57	25.2	335	55.3	2.4	0.15	70	15.9	25	918
119	FF362F	0-2.5	16.8	32.5	20.5	21.8	1520	225	12	0.24	136	17.8	26.2	3540

The CCME Criteria are presented as a first step in the Community Based Risk Assessment and do not necessarily indicate a risk to human health or the environment without further assessment.

Table 3.0 Series 300 - East Flin Flon, Manitoba. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
129	FF363F	***0-2.5***	7	15.7	27.4	44.9	1440	212	6.7	0.32	99	18.7	27.9	1530
130	FF363F	***2.5-5***	10.2	20.1	7.48	34.9	580	209	5.1	0.23	57	15.2	37.7	1370
131	FF363F	***10-15***	0.08	10	1.31	71.4	58	21.7	<0.3	0.41	191	43.7	74.8	969
132	FF363B	***0-2.5***	9.8	12.1	17.4	46.4	1070	157	6	0.26	83	16.1	30.6	1300
133	FF363B	***2.5-5***	3.9	11	7.66	29.3	443	104	2.9	0.16	45	15	30.8	1080
134	FF363B	***10-15***	0.25	18.3	4.34	31.7	150	68.4	1	0.23	78	19.8	32.8	1200
135	**FF363G**	0-5	0.88	17.4	5.43	36.2	250	81.9	1.4	0.25	142	21.2	37.2	1110
136	FF364F	0-2.5	6.6	15.5	12.5	34.4	630	114	3.4	0.27	116	22.7	35.3	1800
137	FF365F	0-2.5	2.9	12.6	19.1	15.2	1350	145	5	0.15	113	15.2	16.3	1370
138	FF365B	0-2.5	4.2	14	14.3	30.1	1020	125	4.4	0.23	172	20	32.2	1270
139	FF365S	0-5	0.01	2	0.25	9.5	24	3	<0.3	<0.05	20	5.5	8.2	18
140	**FF365G**	0-5	1.2	17.6	4.25	51.3	232	62.7	1.4	0.28	237	29.8	48.7	824
141	**FF366G**	0-5	0.72	6.8	1.85	24.5	190	18.1	0.7	0.17	148	38.9	31	327
Laboratory Detection Limits			*0.01*	*0.2*	*0.01*	*0.5*	*1*	*0.1*	*0.3*	*0.05*	*1*	*0.5*	*0.1*	*1*

Notes

1. CCME SQG Human Health Criteria: Soil Quality Guideline for Human Health is based on soil ingestion
2. CCME SQG Environment Criteria: Soil Quality Guideline for Environment is based on soil contact
3. Sample IDs: F = Front Yard B = Back Yard **S** = Sandbox **G** = Garden; Sandboxes and gardens are in bold due to heightened exposure pathways
4. Depth: cmbg = centimetres below grade; depths that indicate profile sampling to 15 cm in depth are in italics and bold
5. Shaded Cells: Above the referrenced CCME Criteria, as illustrated in bold along the top row
6. Results are confidential to the property owners and are presented here without property identification to allow for the completion of a Community Based Risk Assessment.

Table 4.0 Series 400 - Channing, Manitoba. Metals in Lawns, Gardens and Sand Boxes

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
1	FF401F	***0-2.5***	0.05	5.9	1.19	18.4	43	12.2	0.5	0.19	161	21	33.4	88
2	FF401F	***2.5-5***	0.08	3.7	0.46	13	22	10	0.4	0.08	66	11.9	16.9	68
3	FF401F	***10-15***	0.06	9.6	1.07	65.4	64	43.5	<0.3	0.35	176	33.5	66.6	246
4	FF401B	0-2.5	1.22	12.2	3.92	32.6	165	74.3	0.8	0.17	96	19.1	32.7	655
5	FF402F	0-2.5	0.31	8.9	2.94	23.2	118	56.4	0.3	0.11	88	15.1	21.3	515
6	FF402B	0-2.5	2.4	25.4	12.8	31.4	468	226	2.3	0.2	125	15.4	19.7	2960
7	**FF402G**	0-5	0.55	15.6	5.26	22.8	195	107	1.1	0.12	151	12.2	19	1020
8	FF403F	0-2.5	2.23	11	9.64	14.1	332	68.7	1.8	0.09	44	9.5	13.3	1140
9	FF404F	0-2.5	5.5	16.8	20.6	42.8	660	136	3	0.28	114	27.8	46.3	1190
10	FF405F	0-2.5	0.1	6.8	0.89	24.4	38	13.4	0.5	0.23	213	24.6	38.8	117
11	FF406F	0-2.5	7	31.4	20.7	39.3	700	266	4	0.38	131	24.3	41.4	5680
12	FF407F	0-2.5	1.05	15.2	8.13	39.2	281	71.4	1.7	0.24	120	22.5	39.8	706
13	**FF407S**	0-5	<0.01	0.9	0.3	11.1	18	2	<0.3	<0.05	37	6.3	13	18
14	FF408F	0-2.5	4.8	17.1	15.4	25	540	163	3.1	0.19	66	13.2	26	3000
15	FF408B	0-2.5	4	13.7	9.27	25.5	284	90.3	1.9	0.17	75	13.7	24.8	1310
16	**FF408G**	0-5	0.46	7.6	2.32	36.4	95	31.3	0.7	0.21	113	24.2	42.3	438
17	FF409F	0-2.5	2.31	12.7	8.22	59.9	290	70.7	1.6	0.35	162	35.3	60.2	1270
18	FF410F	0-2.5	3.4	35.7	14.3	71	630	183	3	0.49	172	37.2	75.1	3350
Laboratory Detection Limits			*0.01*	*0.2*	*0.01*	*0.5*	*1*	*0.1*	*0.3*	*0.05*	*1*	*0.5*	*0.1*	*1*

Notes

1. CCME SQG Human Health Criteria: Soil Quality Guideline for Human Health is based on soil ingestion
2. CCME SQG Environment Criteria: Soil Quality Guideline for Environment is based on soil contact
3. Sample IDs: F = Front Yard B = Back Yard **S** = Sandbox **G** = Garden; Sandboxes and gardens are in bold due to heightened exposure pathways
4. Depth: cmbg = centimetres below grade; depths that indicate profile sampling to 15 cm in depth are in italics and bold
5. Shaded Cells: Above the referrenced CCME Criteria, as illustrated in bold along the top row

Table 5.0 Series 500 - Various Locations Surrounding Flin Flon, Manitoba. Metals in Undisturbed Profiles.

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
1	FF501N	***0-2.5***	0.28	14.8	3.17	58.3	151	26.8	0.4	0.3	137	42.4	62.1	248
2	FF501N	***2.5-5***	0.18	8.2	0.83	52.3	68	16.3	<0.3	0.24	113	31.6	51.8	234
3	FF501N	***10-15***	0.2	7.2	0.91	42.8	78	17.3	<0.3	0.18	86	24.8	40.2	263
4	FF502N	0-2.5	2.7	78.1	9.71	39.4	482	233	3.1	0.35	77	20.5	46.1	1760
5	FF502N	2.5-5	0.95	41.7	8.46	37.4	276	143	1.5	0.25	74	18.7	42.6	1490
6	FF503N	0-2.5	34.5	943	19	22.8	1660	1660	47.4	1.39	81	13	29.1	5000
7	FF504N	0-2.5	34.2	249	15.9	20.8	1690	772	18.9	0.92	122	10.7	39	2850
8	FF505N	0-2.5	2.9	49.8	8.81	14	465	249	3	0.26	51	8.2	17.9	1180
9	FF506N	0-2.5	16.1	71.1	44	8.6	2470	994	14.2	1	138	10.4	9.8	8870
10	FF506N	2.5-5	1.2	25.8	12.6	9.8	485	241	2.6	0.37	61	5.7	10.8	1810
11	FF507N	***0-2.5***	17.2	67	37.4	11.8	1990	736	11.2	0.9	137	11	13	7480
12	FF507N	***2.5-5***	7.4	44.8	22.8	15	1060	501	5.5	0.75	146	9.3	14.7	4390
13	FF507N	***10-15***	0.59	11.4	3.61	9.9	120	51.3	1.1	0.12	49	5.5	8.9	664
14	FF508N	***0-2.5***	2180	468	41	45.8	9980	1180	447	1.34	152	27.4	38.4	8340
15	FF508N	***2.5-5***	1040	231	66.3	54.7	2500	652	204	1.2	266	34.6	50.6	12100
16	FF508N	***10-15***	14.4	36.5	12.2	69.5	275	105	5.2	0.44	218	39.4	65.4	4820
17	FF509N	0-2.5	237	561	85.7	19.8	7130	1800	80.2	1.74	246	16.8	46.2	24000
18	FF510N	0-2.5	86	34.8	21	53.9	1240	232	19.2	0.39	174	32.9	51.5	3650
19	FF511N	0-5	0.11	6.7	0.71	41	67	11.8	0.3	0.19	88	24.2	41.4	89
20	FF512N	0-2.5	2	67.6	19.3	31.6	940	289	5.7	0.42	106	16.3	26.6	5000
21	FF513N	0-2.5	0.04	30.9	9.27	29.6	299	65.1	1.3	0.2	92	17.6	35.2	569
22	FF514N	0-2.5	0.15	30.3	3.62	22.1	178	128	1.6	0.18	62	11.3	24.8	636
23	FF515N	0-2.5	0.14	9.2	1.47	7.1	60	34.9	0.4	0.09	22	5.4	14.1	160
24	FF516N	0-2.5	0.08	6.2	0.53	80.4	51	18	<0.3	0.4	196	44.6	85.3	242
25	FF517N	0-2.5	0.03	2.5	0.38	20.9	28	6.4	<0.3	0.07	47	18.2	20.9	50
26	FF517S	0-5	0.17	4.1	0.17	21.4	18	2.2	<0.3	<0.05	22	21.6	18.6	21
27	FF518N	0-2.5	5	86.4	10.8	23.6	810	375	5.6	0.4	58	12.1	44.9	1470
28	FF519N	0-2.5	1.8	51.8	9.56	24.1	403	215	2.5	0.27	65	11.7	37.6	2050
29	FF520N	0-2.5	0.16	8.1	12.9	29.5	316	53.3	2.4	0.16	89	22.2	37.6	481
30	FF521F	0-2.5	0.14	10.3	1.9	66.3	117	24.7	0.5	0.32	162	33.2	66.6	627

The CCME Criteria are presented as a first step in the Community Based Risk Assessment and do not necessarily indicate a risk to human health or the environment without further assessment.

Table 5.0 Series 500 - Various Locations Surrounding Flin Flon, Manitoba. Metals in Undisturbed Profiles.

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
31	FF521F	2.5-5	0.15	22.8	1.19	26	129	17.6	1	0.12	66	24	51.6	193
32	FF521B	0-2.5	0.38	3.7	5.78	11	162	20.8	2.1	0.07	76	14.9	26.9	284
33	**FF521G**	0-5	0.55	26.4	3.68	34.7	145	87.3	1.4	0.24	184	29.4	59.3	700
34	FF522N	0-2.5	9.1	45.9	19.4	11.1	1160	174	6.7	0.24	61	9.1	10.7	1260
35	FF523N	0-2.5	0.04	12.9	4.13	14.7	463	104	1.5	0.08	62	12.8	14	960
Laboratory Detection Limits			*0.01*	*0.2*	*0.01*	*0.5*	*1*	*0.1*	*0.3*	*0.05*	*1*	*0.5*	*0.1*	*1*

Notes

1. CCME SQG Human Health Criteria: Soil Quality Guideline for Human Health is based on soil ingestion
2. CCME SQG Environment Criteria: Soil Quality Guideline for Environment is based on soil contact
3. Sample IDs: F = Front Yard B = Back Yard **S** = Sandbox **G** = Garden; Sandboxes and gardens are in bold due to heightened exposure pathways
4. Depth: cmbg = centimetres below grade; depths that indicate profile sampling to 15 cm in depth are in italics and bold
5. Shaded Cells: Above the referrenced CCME Criteria, as illustrated in bold along the top row
6. Results are confidential to the property owners and are presented here without property identification to allow for the completion of a Community Based Risk Assessment.

Table 6.0 Series 600 - Duplicates, Various Locations Surrounding Flin Flon, Manitoba. Metals.

			CCME Criterion (mg/kg)											
			Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
CCME SQG Human Health			**6.6**	**12**	**14**	**220**	**1100**	**140**	**28**	**1**	-	-	-	-
CCME SQG Environment			*12*	*17*	*10*	*64*	*63*	*300*	*1*	*1.4*	**500**	**50**	**130**	**200**
			Analytical Results (mg/kg)											
Laboratory Lot Ref. #	Sample ID	Depth (cmbg)	Mercury	Arsenic	Cadmium	Chromium	Copper	Lead	Selenium	Thallium	Barium	Nickel	Vanadium	Zinc
1	FF601F	0-2.5	4.1	24.2	28.6	24.8	960	183	5.1	1.63	80	14.7	24	2510
Original	FF301F	0-2.5	7.6	24.1	30.8	28.2	980	202	5.1	1.51	78	16.6	20.1	3430
2	FF602F	0-2.5	2.42	14.4	12.7	46.3	610	142	4.1	0.32	146	25.4	47.5	1920
Original	FF321F	0-2.5	4.3	11.8	14.3	30.1	840	144	3.9	0.25	120	19.3	27	1890
3	FF603F	0-2.5	15.3	31.2	28.9	33.1	1870	355	9.8	0.35	114	19.6	32.5	5240
Original	FF344F	0-2.5	17.9	29	30.9	31.8	1950	380	11	0.33	120	18.6	27.8	5400
4	FF604F	0-2.5	8.6	8.2	5.45	29.6	308	58.5	1.7	0.17	78	16.2	30.4	825
Original	FF353F	0-2.5	1.9	7.7	4.7	26.7	216	41.8	1.2	0.16	80	17.1	29.2	676
5	FF605F	0-2.5	7.2	22.1	11.7	50.6	770	128	4.3	0.34	148	30.5	58	2620
Original	FF364F	0-2.5	6.6	15.5	12.5	34.4	630	114	3.4	0.27	116	22.7	35.3	1800
6	FF606F	0-2.5	1	11.2	15	18.9	1080	116	3.8	0.16	108	15.5	21.2	1180
Original	FF365F	0-2.5	2.9	12.6	19.1	15.2	1350	145	5	0.15	113	15.2	16.3	1370
7	FF610F	0-2.5	70.1	106	36.8	17.4	3630	387	27.5	0.48	93	14	19.2	5720
Original	FF222F	0-2.5	88	115	40.4	19.6	3920	486	40.2	0.5	102	15.2	19.9	7490
8	FF611F	0-2.5	67.9	45.4	28.6	30.2	4410	368	28.1	0.27	81	18	24.9	2640
Original	FF226F	0-2.5	73	61.5	34.7	31.3	5360	451	32	0.4	96	15	31.1	3630
9	FF609F	0-2.5	9.5	41.9	16.3	9.6	1070	164	6.4	0.23	58	10	12.4	1190
Original	FF257F[7]	0-2.5	-	-	-	-	-	-	-	-	-	-	-	-
10	FF612	0-2.5	162	47	19.8	22.1	2040	278	48.4	0.31	120	14.2	22.4	2440
Original	FF270F	0-2.5	141	48.4	22.1	22.5	2360	296	50.4	0.34	123	16.7	22.4	3120
11	FF614F	0-2.5	18.8	223	12.8	31.8	1540	391	16.9	0.46	81	13.4	31.7	1280
Original	CS130F	0-2.5	7.4	87.4	9.8	21.4	680	146	6.9	0.3	55	12.5	16.7	653
12	FF613F	0-2.5	0.25	8	1.96	24.8	93	43.7	0.5	0.12	77	14.3	25.4	328
Original	FF402F	0-2.5	0.31	8.9	2.94	23.2	118	56.4	0.3	0.11	88	15.1	21.3	515
Laboratory Detection Limits			*0.01*	*0.2*	*0.01*	*0.5*	*1*	*0.1*	*0.3*	*0.05*	*1*	*0.5*	*0.1*	*1*

Notes

1. CCME SQG Human Health Criteria: Soil Quality Guideline for Human Health is based on soil ingestion
2. CCME SQG Environment Criteria: Soil Quality Guideline for Environment is based on soil contact
3. Sample IDs: F = Front Yard B = Back Yard **S** = Sandbox **G** = Garden; Sandboxes and gardens are in bold due to heightened exposure pathways
4. Depth: cmbg = centimetres below grade; depths that indicate profile sampling to 15 cm in depth are in italics and bold
5. Results are confidential to the property owners and are presented here without property identification to allow for the completion of a Community Based Risk Assessment.
6. Ten of the duplicate comparisons compare favourably when utilizing a 50% variance for the lower and upper control limits from the mean of the two samples (with the exception of FF614F/CS130F).
7. Sample FF257 F0-2.5 cm was submitted for analysis but was not analyzed by the laboratory (see COC and Series 200 laboratory results, Appendix E).

The CCME Criteria are presented as a first step in the Community Based Risk Assessment and do not necessarily indicate a risk to human health or the environment without further assessment.

Appendix E

Laboratory Analysis Certificates

Bodycote TESTING GROUP

LOT: 584219 Control Number

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this address for approval ☐
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report ☐	Address:		
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID:	1032002.01
Project Name:	HBMS_Soil_Sampling
Project Location:	FlinFlon,MB
Legal Location:	
PO#:	1032002.01_Z9100
Proj. Acct. Code:	
Agreement ID:	80477

RUSH Please contact the laboratory to confirm rush dates and times before submitting samples.

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐

Date Required: _____

Signature: _____

Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature

I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:

Received by: AD	Sample Temp.
Waybill #:	Date 30/10/07
Company	Time

Special Instructions / Comments

1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for HUMAN CONSUMPTION

	Sample Identification	Location	Depth IN	Depth CM	Depth M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TM44	MTS	Enter tests above (✓ relevant samples below)
1	CS101F 0-2.5						Soil	Comp			
2	CS101B 0-2.5										
3	CS102F 0-2.5										
4	CS102F 2.5-5										
5	CS102F 10-15										
6	CS102B 0-2.5										
7	CS102B 2.5-5										
8	CS102B 10-15										
9	CS103F 0-2.5										
10	CS103B 0-2.5										
11	~~CS103S 0-5~~										
12	CS103G 0-5										
13	CS104F 0-2.5										
14	CS104B 0-2.5										
15	CS104G 0-5										

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		
Company:	Jacques Whitford AXYS Ltd.		Company:		Copy of invoice:
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report ☐	Address:		Mail invoice to this address for approval ☐
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:
Received by: AD Sample Temp.
Waybill #: Date 30/10/07
Company Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TT44	MTS	Enter tests above (✓ relevant samples below)
1	Cs105F 0-2.5				Soil	Comp			
2	Cs105B 0-2.5								
3	Cs106F 0-2.5								
4	Cs106B 0-2.5								
5	Cs107F 0-2.5								
6	Cs107B 0-2.5								
7	Cs108S 0-5								
8	Cs108F 0-2.5								
9	Cs108B 0-2.5								
10	Cs109S 0-5								
11	Cs110F 0-2.5								
12	Cs110B 0-2.5 110S								
13	Cs111F 0-2.5								
14	Cs111F 2.5-5								
15	Cs111F 10-15				↓	↓			

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report ☐	Address:		Mail invoice to this address for approval ☐
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH – Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:
Received by: AB Sample Temp.
Waybill #: Date 30/10/07
Company Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN	Depth CM	Depth M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TT44	MTS	Enter tests above (✓ relevant samples below)
1	~~CS111B 0-2.5~~						Soil	Comp			
2	CS111S 0-5										
3	CS112F 0-2.5										
4	CS112B 0-2.5	1126									
5	CS113F 0-2.5										
6	CS113B 0-2.5	114F+B									
7	CS115F 0-2.5										
8	CS116F 0-2.5										
9	CS117F 0-2.5										
10	CS117B 0-2.5										
11	CS118F 0-2.5										
12	CS118B 0-2.5										
13	CS118G 0-5										
14	CS119F 0-2.5										
15	CS119B 0-2.5						″	″			

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		
Company:	Jacques Whitford AXYS Ltd.		Company:		Copy of invoice:
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report ☐	Address:		Mail invoice to this address for approval ☐
Attention:	Darren Keam	Report Result:	Attention:		Report Result:
Phone:	(204) 475-9966	Fax ☐	Phone:		Fax ☐
Fax:	(204) 284-4795	Mail ☐	Fax:		Mail ☐
Cell:	(204) 795-7563	Courier ☐	Cell:		Courier ☐
e-mail:	dkeam@axys.net	e-mail X	e-mail:		e-mail ☐
		e-Service X			e-Service ☐

Information to be included on Report and Invoice

Project ID:	1032002.01
Project Name:	HBMS_Soil_Sampling
Project Location:	FlinFlon,MB
Legal Location:	
PO#:	1032002.01_Z9100
Proj. Acct. Code:	
Agreement ID:	80477

RUSH Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐

Date Required: _____

Signature: _____

Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature

I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:

Received by:	Sample Temp.
Waybill #:	Date 30/10/07
Company	Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for HUMAN CONSUMPTION

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers ITT44	MTS	Enter tests above (✓ relevant samples below)
1	Cs119G 0-5				Soil	Comp			
2	Cs120F 0-2.5								
3	Cs120B 0-2.5								
4	Cs121F 0-2.5								
5	Cs122S 0-5								
6	Cs123F 0-2.5								
7	Cs124F 0-2.5								
8	Cs125F 0-2.5								
9	Cs125B 0-2.5								
10	Cs126F 0-2.5	=126B							
11	Cs127F 0-2.5								
12	Cs127B 0-2.5								
13	Cs127S 0-5								
14	Cs128F 0-2.5								
15	Cs128F 2.5-5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:		QA/QC Report ☐	Address:		address for approval ☐
	103-611 Corydon				
	Winnipeg, MB, CAN				
	R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID:	1032002.01
Project Name:	HBMS_Soil_Sampling
Project Location:	FlinFlon,MB
Legal Location:	
PO#:	1032002.01_Z9100
Proj. Acct. Code:	
Agreement ID:	80477

RUSH Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐

Date Required: _____

Signature: _____

Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature

I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:

Received by: AB Sample Temp.
Waybill #: Date 30/10/07
Company Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for HUMAN CONSUMPTION

	Sample Identification (FF 5-10 Hot Spot)	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers TT44	MTS	Enter tests above (✓ relevant samples below)
1	CS128F 10-15				Soil	Comp			
2	CS129F 0-2.5				"	"			
3	CS129G 0-5								
4	CS130F 0-2.5								
5	~~CS113F 0-2.5~~								
6	~~CS113B 0-2.5~~								
7									
8									
9									
10									
11									
12									
13									
14									
15									

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

Report Transmission Cover Page

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Approval Status:	Approved
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Invoice Frequency:	by Lot
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	COD Status:	
	R3M 0S1	LSD:		Control Number:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100	Date Received:	Oct 30, 2007
Sampled By:		Acct code:		Date Reported:	Nov 5, 2007
Company:				Report Number:	1069105

Contact	Company	Address
Jim Hicks	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: jhicks@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
David Whetter	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dwhetter@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
Darren Keam	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dkeam@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

_____ PAGES IN THIS TRANSMISSION

Notes To Clients:

Reports associated with this Lot

Id/Format/Report Date	Id/Format/Report Date	Id/Format/Report Date

Bodycote TESTING GROUP

Sample Custody

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584219**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069105

Sample Disposal Date: December 05, 2007

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the bottom of this page.

☐ Extend Sample Storage Until _____ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	$ 10.00
Storage for 6 to 20 samples per month	$ 15.00
Storage for 21 to 50 samples per month	$ 30.00
Storage for 51 to 200 samples per month	$ 60.00
Storage for more than 200 samples per month	$ 110.00

☐ Return Sample, collect, to the address below via:

- ☐ Greyhound
- ☐ Loomis
- ☐ Purolator
- ☐ Other (specify) _____

Name _____

Company _____

Address _____

_____

Phone _____

Fax _____

Signature _____

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584219**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069105

Hot Water Soluble

			Analyte	Boron
			Description	Water Soluble
			Units	ug/g
			Detection Limit	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584219-1		CS101F / 0-2.5	Soil	2.1
584219-2		CS101B / 0-2.5	Soil	3.6
584219-3		CS102F / 0-2.5	Soil	2.2
584219-4		CS102F / 2.5-5	Soil	1
584219-5		CS102F / 10-15	Soil	0.6
584219-6		CS102B / 0-2.5	Soil	2.9
584219-7		CS102B / 2.5-5	Soil	1.4
584219-8		CS102B / 10-15	Soil	1.6
584219-9		CS103F / 0-2.5	Soil	2.1
584219-10		CS103B / 0-2.5	Soil	2
584219-11		CS103G / 0-5	Soil	0.7
584219-12		CS104F / 0-2.5	Soil	2
584219-13		CS104B / 0-2.5	Soil	2
584219-14		CS104G / 0-5	Soil	1.2
584219-15		CS105F / 0-2.5	Soil	<1
584219-16		CS105B / 0-2.5	Soil	2.7
584219-17		CS106F / 0-2.5	Soil	1
584219-18		CS106B / 0-2.5	Soil	2.2
584219-19		CS107F / 0-2.5	Soil	1.2
584219-20		CS107B / 0-2.5	Soil	2
584219-21		CS108S / 0-5	Soil	<0.2
584219-22		CS108F / 0-2.5	Soil	2
584219-23		CS108B / 0-2.5	Soil	1
584219-24		CS109S / 0-5	Soil	<0.2
584219-25		CS110F / 0-2.5	Soil	2.8
584219-26		CS110B / 0-2.5	Soil	2.8
584219-27		CS110S / 0-5	Soil	<0.2
584219-28		CS111F / 0-2.5	Soil	1
584219-29		CS111F / 2.5-5	Soil	2.6
584219-30		CS111F / 10-15	Soil	2
584219-31		CS111S / 0-5	Soil	<0.2
584219-32		CS112F / 0-2.5	Soil	2.0
584219-33		CS112B / 0-2.5	Soil	1
584219-34		CS112G / 0-5	Soil	2.2
584219-35		CS113F / 0-2.5	Soil	2
584219-36		CS113B / 0-2.5	Soil	2.9
584219-37		CS114F / 0-2.5	Soil	2.8
584219-38		CS114B / 0-2.5	Soil	2
584219-39		CS115F / 0-2.5	Soil	2.4

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Hot Water Soluble - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Boron Water Soluble ug/g 0.1
		Analyte		
		Description		
		Units		
		Detection Limit		
584219-40		CS116F / 0-2.5	Soil	0.4
584219-41		CS117F / 0-2.5	Soil	2.2
584219-42		CS117B / 0-2.5	Soil	2.2
584219-43		CS118F / 0-2.5	Soil	1
584219-44		CS118B / 0-2.5	Soil	1
584219-45		CS118G / 0-5	Soil	1.1
584219-46		CS119F / 0-2.5	Soil	2.1
584219-47		CS119B / 0-2.5	Soil	2.7
584219-48		CS119G / 0-5	Soil	1.5
584219-49		CS120F / 0-2.5	Soil	2.5
584219-50		CS120B / 0-2.5	Soil	1.2
584219-51		CS121F / 0-2.5	Soil	1
584219-52		CS122S / 0-5	Soil	<0.2
584219-53		CS123F / 0-2.5	Soil	3.6
584219-54		CS124F / 0-2.5	Soil	1
584219-55		CS125F / 0-2.5	Soil	3.6
584219-56		CS125G / 0-2.5	Soil	0.9
584219-57		CS126F / 0-2.5	Soil	2
584219-58		CS126B / 0-2.5	Soil	0.7
584219-59		CS127F / 0-2.5	Soil	2.1
584219-60		CS127B / 0-2.5	Soil	0.6
584219-61		CS127S / 0-5	Soil	<0.2
584219-62		CS128F / 0-2.5	Soil	2.3
584219-63		CS128F / 2.5-5	Soil	0.7
584219-64		CS128F / 5-10 (Hot Spot)	Soil	0.7
584219-65		CS128F / 10-15	Soil	1.0
584219-66		CS129F / 0-2.5	Soil	1
584219-67		CS129G / 0-5	Soil	2.2
584219-68		CS130F / 0-2.5	Soil	<1

Metals Strong Acid Digestion

Reference Number	Date Sampled	Sample Information	Sample Matrix	Mercury Strong Acid Extractable ug/g 0.01	Antimony Strong Acid Extractable ug/g 0.2	Arsenic Strong Acid Extractable ug/g 0.2
		Analyte				
		Description				
		Units				
		Detection Limit				
584219-1		CS101F / 0-2.5	Soil	1.13	0.8	61.8
584219-2		CS101B / 0-2.5	Soil	1.61	0.9	61.5

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Mercury	Antimony	Arsenic
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.01	0.2	0.2
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-3		CS102F / 0-2.5	Soil	0.55	0.6	26.5
584219-4		CS102F / 2.5-5	Soil	10.9	1.2	51.7
584219-5		CS102F / 10-15	Soil	0.57	<0.2	12.5
584219-6		CS102B / 0-2.5	Soil	7.8	0.8	52.5
584219-7		CS102B / 2.5-5	Soil	3.4	0.5	31.6
584219-8		CS102B / 10-15	Soil	0.36	0.4	19.5
584219-9		CS103F / 0-2.5	Soil	12.8	2.2	189
584219-10		CS103B / 0-2.5	Soil	11.6	1.7	151
584219-11		CS103G / 0-5	Soil	0.14	<0.2	6.7
584219-12		CS104F / 0-2.5	Soil	38.8	4.3	314
584219-13		CS104B / 0-2.5	Soil	8.9	2.4	285
584219-14		CS104G / 0-5	Soil	2.22	0.3	54.7
584219-15		CS105F / 0-2.5	Soil	1.5	1.8	117
584219-16		CS105B / 0-2.5	Soil	0.71	<0.2	51.8
584219-17		CS106F / 0-2.5	Soil	8.4	1.2	65.7
584219-18		CS106B / 0-2.5	Soil	1.14	<0.2	26.8
584219-19		CS107F / 0-2.5	Soil	0.21	<0.2	11.4
584219-20		CS107B / 0-2.5	Soil	16.5	2.4	102
584219-21		CS108S / 0-5	Soil	0.03	<0.2	1.6
584219-22		CS108F / 0-2.5	Soil	30.5	2.8	97.3
584219-23		CS108B / 0-2.5	Soil	2.15	1.4	73.5
584219-24		CS109S / 0-5	Soil	0.02	<0.2	1.7
584219-25		CS110F / 0-2.5	Soil	0.27	0.2	29.5
584219-26		CS110B / 0-2.5	Soil	0.42	0.4	26.0
584219-27		CS110S / 0-5	Soil	0.06	<0.2	4.0
584219-28		CS111F / 0-2.5	Soil	4.8	1.2	36.3
584219-29		CS111F / 2.5-5	Soil	1.66	0.8	13.4
584219-30		CS111F / 10-15	Soil	0.68	0.3	9.4
584219-31		CS111S / 0-5	Soil	0.07	<0.2	3.5
584219-32		CS112F / 0-2.5	Soil	4.8	1.7	53.1
584219-33		CS112B / 0-2.5	Soil	10.5	1.9	60.4
584219-34		CS112G / 0-5	Soil	0.60	5.9	18.7
584219-35		CS113F / 0-2.5	Soil	6.1	1.6	39.0
584219-36		CS113B / 0-2.5	Soil	5.5	1.3	20.6
584219-37		CS114F / 0-2.5	Soil	2.6	1.4	33.7
584219-38		CS114B / 0-2.5	Soil	1.30	0.4	26.6
584219-39		CS115F / 0-2.5	Soil	0.92	0.8	17.6
584219-40		CS116F / 0-2.5	Soil	0.34	<0.2	9.9
584219-41		CS117F / 0-2.5	Soil	0.84	0.8	25.8

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Mercury	Antimony	Arsenic
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.01	0.2	0.2
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-42		CS117B / 0-2.5	Soil	1.38	0.9	22.0
584219-43		CS118F / 0-2.5	Soil	1.3	1.2	23.6
584219-44		CS118B / 0-2.5	Soil	10.5	1.2	25.5
584219-45		CS118G / 0-5	Soil	1.14	0.3	18.3
584219-46		CS119F / 0-2.5	Soil	2.08	0.2	12.8
584219-47		CS119B / 0-2.5	Soil	3.8	1.5	26.2
584219-48		CS119G / 0-5	Soil	0.69	0.6	26.8
584219-49		CS120F / 0-2.5	Soil	4.0	1.5	25.6
584219-50		CS120B / 0-2.5	Soil	0.84	0.3	15.7
584219-51		CS121F / 0-2.5	Soil	2.2	0.8	17.6
584219-52		CS122S / 0-5	Soil	0.04	<0.2	2.0
584219-53		CS123F / 0-2.5	Soil	0.79	0.5	11.0
584219-54		CS124F / 0-2.5	Soil	0.63	0.5	16.9
584219-55		CS125F / 0-2.5	Soil	20.7	3.4	152
584219-56		CS125G / 0-2.5	Soil	3.8	0.6	33.7
584219-57		CS126F / 0-2.5	Soil	2.25	1.1	35.7
584219-58		CS126B / 0-2.5	Soil	1.94	0.4	29.3
584219-59		CS127F / 0-2.5	Soil	7.8	2.9	102
584219-60		CS127B / 0-2.5	Soil	2.4	0.5	24.1
584219-61		CS127S / 0-5	Soil	0.16	<0.2	5.1
584219-62		CS128F / 0-2.5	Soil	8.4	1.7	102
584219-63		CS128F / 2.5-5	Soil	3.0	0.9	43.7
584219-64		CS128F / 5-10 (Hot Spot)	Soil	0.31	0.3	26.3
584219-65		CS128F / 10-15	Soil	0.20	0.2	28.1
584219-66		CS129F / 0-2.5	Soil	19.8	2.5	220
584219-67		CS129G / 0-5	Soil	1.23	0.2	29.7
584219-68		CS130F / 0-2.5	Soil	7.4	1.5	87.4

			Analyte	Barium	Beryllium	Cadmium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	1	0.1	0.01
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-1		CS101F / 0-2.5	Soil	750	0.2	12.5
584219-2		CS101B / 0-2.5	Soil	234	0.2	14.3
584219-3		CS102F / 0-2.5	Soil	94	0.2	10.9
584219-4		CS102F / 2.5-5	Soil	96	0.2	9.92
584219-5		CS102F / 10-15	Soil	50	0.2	1.71
584219-6		CS102B / 0-2.5	Soil	123	0.4	14.5

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Barium	Beryllium	Cadmium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	1	0.1	0.01
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-7		CS102B / 2.5-5	Soil	174	0.5	6.97
584219-8		CS102B / 10-15	Soil	125	0.3	2.65
584219-9		CS103F / 0-2.5	Soil	81	0.2	16.7
584219-10		CS103B / 0-2.5	Soil	61	0.1	16.8
584219-11		CS103G / 0-5	Soil	51	0.1	1.10
584219-12		CS104F / 0-2.5	Soil	89	0.2	20.5
584219-13		CS104B / 0-2.5	Soil	100	0.4	22.3
584219-14		CS104G / 0-5	Soil	174	0.5	5.63
584219-15		CS105F / 0-2.5	Soil	81	0.4	15.9
584219-16		CS105B / 0-2.5	Soil	223	0.8	6.80
584219-17		CS106F / 0-2.5	Soil	96	0.4	12.7
584219-18		CS106B / 0-2.5	Soil	151	0.5	5.41
584219-19		CS107F / 0-2.5	Soil	100	0.4	1.36
584219-20		CS107B / 0-2.5	Soil	92	0.2	24.4
584219-21		CS108S / 0-5	Soil	32	0.1	0.40
584219-22		CS108F / 0-2.5	Soil	75	0.2	20.1
584219-23		CS108B / 0-2.5	Soil	74	0.1	21.9
584219-24		CS109S / 0-5	Soil	25	0.1	0.29
584219-25		CS110F / 0-2.5	Soil	138	0.5	11.3
584219-26		CS110B / 0-2.5	Soil	81	0.2	16.2
584219-27		CS110S / 0-5	Soil	29	0.1	0.97
584219-28		CS111F / 0-2.5	Soil	47	0.1	12.8
584219-29		CS111F / 2.5-5	Soil	74	0.2	10.8
584219-30		CS111F / 10-15	Soil	106	0.2	2.03
584219-31		CS111S / 0-5	Soil	34	<0.1	0.55
584219-32		CS112F / 0-2.5	Soil	97	0.2	26.4
584219-33		CS112B / 0-2.5	Soil	52	0.1	19.7
584219-34		CS112G / 0-5	Soil	98	0.4	3.84
584219-35		CS113F / 0-2.5	Soil	76	0.2	14.1
584219-36		CS113B / 0-2.5	Soil	89	0.2	13.8
584219-37		CS114F / 0-2.5	Soil	97	0.2	27.8
584219-38		CS114B / 0-2.5	Soil	100	0.3	11.6
584219-39		CS115F / 0-2.5	Soil	79	0.2	12.9
584219-40		CS116F / 0-2.5	Soil	107	0.4	5.45
584219-41		CS117F / 0-2.5	Soil	66	0.2	9.49
584219-42		CS117B / 0-2.5	Soil	76	0.2	16.8
584219-43		CS118F / 0-2.5	Soil	138	0.4	19.4
584219-44		CS118B / 0-2.5	Soil	148	0.2	23.7
584219-45		CS118G / 0-5	Soil	101	0.3	5.44

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Barium	Beryllium	Cadmium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	1	0.1	0.01
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-46		CS119F / 0-2.5	Soil	51	0.2	5.42
584219-47		CS119B / 0-2.5	Soil	152	0.4	20.0
584219-48		CS119G / 0-5	Soil	360	0.4	5.99
584219-49		CS120F / 0-2.5	Soil	95	0.3	23.6
584219-50		CS120B / 0-2.5	Soil	82	0.3	8.14
584219-51		CS121F / 0-2.5	Soil	78	0.2	12.4
584219-52		CS122S / 0-5	Soil	33	0.1	1.10
584219-53		CS123F / 0-2.5	Soil	72	0.2	9.69
584219-54		CS124F / 0-2.5	Soil	74	0.3	8.87
584219-55		CS125F / 0-2.5	Soil	110	0.2	31.8
584219-56		CS125G / 0-2.5	Soil	97	0.3	7.65
584219-57		CS126F / 0-2.5	Soil	66	0.2	13.1
584219-58		CS126B / 0-2.5	Soil	146	0.6	8.20
584219-59		CS127F / 0-2.5	Soil	81	0.3	17.0
584219-60		CS127B / 0-2.5	Soil	26	0.1	4.99
584219-61		CS127S / 0-5	Soil	42	0.2	0.93
584219-62		CS128F / 0-2.5	Soil	84	0.3	18.4
584219-63		CS128F / 2.5-5	Soil	92	0.2	6.60
584219-64		CS128F / 5-10 (Hot Spot)	Soil	146	0.3	3.94
584219-65		CS128F / 10-15	Soil	126	0.4	4.17
584219-66		CS129F / 0-2.5	Soil	90	0.2	12.2
584219-67		CS129G / 0-5	Soil	163	0.6	5.07
584219-68		CS130F / 0-2.5	Soil	55	0.2	9.80

			Analyte	Chromium	Cobalt	Copper
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.5	0.1	1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-1		CS101F / 0-2.5	Soil	19.5	9.9	730
584219-2		CS101B / 0-2.5	Soil	24.5	10.4	860
584219-3		CS102F / 0-2.5	Soil	18.6	5.8	520
584219-4		CS102F / 2.5-5	Soil	33.8	9.4	510
584219-5		CS102F / 10-15	Soil	22.6	5.4	54
584219-6		CS102B / 0-2.5	Soil	35.5	12.0	710
584219-7		CS102B / 2.5-5	Soil	43.1	10.0	298
584219-8		CS102B / 10-15	Soil	38.6	8.2	118
584219-9		CS103F / 0-2.5	Soil	27.6	15.4	1480
584219-10		CS103B / 0-2.5	Soil	23.4	16.8	1010

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Chromium	Cobalt	Copper
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.5	0.1	1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-11		CS103G / 0-5	Soil	18.0	3.4	50
584219-12		CS104F / 0-2.5	Soil	40.4	17.6	1270
584219-13		CS104B / 0-2.5	Soil	52.1	29.1	1380
584219-14		CS104G / 0-5	Soil	57.0	14.6	310
584219-15		CS105F / 0-2.5	Soil	48.0	13.6	970
584219-16		CS105B / 0-2.5	Soil	31.1	13.6	292
584219-17		CS106F / 0-2.5	Soil	35.6	10.7	660
584219-18		CS106B / 0-2.5	Soil	43.8	10.1	195
584219-19		CS107F / 0-2.5	Soil	18.3	5.1	67
584219-20		CS107B / 0-2.5	Soil	30.4	14.1	1240
584219-21		CS108S / 0-5	Soil	11.3	2.4	26
584219-22		CS108F / 0-2.5	Soil	20.5	16.7	1200
584219-23		CS108B / 0-2.5	Soil	18.6	8.0	1050
584219-24		CS109S / 0-5	Soil	10.9	2.1	19
584219-25		CS110F / 0-2.5	Soil	23.1	8.0	452
584219-26		CS110B / 0-2.5	Soil	15.5	6.4	540
584219-27		CS110S / 0-5	Soil	10.2	2.3	44
584219-28		CS111F / 0-2.5	Soil	21.7	4.1	720
584219-29		CS111F / 2.5-5	Soil	11.6	5.7	273
584219-30		CS111F / 10-15	Soil	13.7	4.0	87
584219-31		CS111S / 0-5	Soil	11.4	2.6	32
584219-32		CS112F / 0-2.5	Soil	49.3	8.4	930
584219-33		CS112B / 0-2.5	Soil	38.7	5.8	960
584219-34		CS112G / 0-5	Soil	19.4	4.4	141
584219-35		CS113F / 0-2.5	Soil	26.2	7.6	650
584219-36		CS113B / 0-2.5	Soil	21.0	7.7	477
584219-37		CS114F / 0-2.5	Soil	21.0	9.0	1090
584219-38		CS114B / 0-2.5	Soil	38.1	7.6	384
584219-39		CS115F / 0-2.5	Soil	18.4	4.6	404
584219-40		CS116F / 0-2.5	Soil	40.6	8.0	192
584219-41		CS117F / 0-2.5	Soil	16.4	6.5	472
584219-42		CS117B / 0-2.5	Soil	15.5	5.0	680
584219-43		CS118F / 0-2.5	Soil	36.8	7.7	610
584219-44		CS118B / 0-2.5	Soil	34.4	8.2	640
584219-45		CS118G / 0-5	Soil	32.3	6.6	186
584219-46		CS119F / 0-2.5	Soil	21.3	4.3	194
584219-47		CS119B / 0-2.5	Soil	28.4	6.5	590
584219-48		CS119G / 0-5	Soil	23.8	5.2	212
584219-49		CS120F / 0-2.5	Soil	30.3	7.4	830

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Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Chromium	Cobalt	Copper
		Analyte		Chromium	Cobalt	Copper
		Description		Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
		Units		ug/g	ug/g	ug/g
		Detection Limit		0.5	0.1	1
584219-50		CS120B / 0-2.5	Soil	28.6	8.1	388
584219-51		CS121F / 0-2.5	Soil	28.3	5.8	410
584219-52		CS122S / 0-5	Soil	9.8	2.3	51
584219-53		CS123F / 0-2.5	Soil	13.5	3.2	344
584219-54		CS124F / 0-2.5	Soil	23.1	6.7	362
584219-55		CS125F / 0-2.5	Soil	39.6	18.6	1800
584219-56		CS125G / 0-2.5	Soil	37.9	9.1	342
584219-57		CS126F / 0-2.5	Soil	20.2	7.6	590
584219-58		CS126B / 0-2.5	Soil	54.9	13.2	389
584219-59		CS127F / 0-2.5	Soil	20.1	10.2	900
584219-60		CS127B / 0-2.5	Soil	11.5	3.9	191
584219-61		CS127S / 0-5	Soil	15.2	3.2	49
584219-62		CS128F / 0-2.5	Soil	39.2	14.0	940
584219-63		CS128F / 2.5-5	Soil	34.0	7.5	425
584219-64		CS128F / 5-10 (Hot Spot)	Soil	39.3	9.2	137
584219-65		CS128F / 10-15	Soil	37.8	7.7	120
584219-66		CS129F / 0-2.5	Soil	37.1	11.7	1320
584219-67		CS129G / 0-5	Soil	39.1	9.9	207
584219-68		CS130F / 0-2.5	Soil	21.4	9.7	680

Reference Number	Date Sampled	Sample Information	Sample Matrix	Lead	Molybdenum	Nickel
		Analyte		Lead	Molybdenum	Nickel
		Description		Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
		Units		ug/g	ug/g	ug/g
		Detection Limit		0.1	1	0.5
584219-1		CS101F / 0-2.5	Soil	120	2	14.4
584219-2		CS101B / 0-2.5	Soil	130	3	25.7
584219-3		CS102F / 0-2.5	Soil	84.4	2	17.5
584219-4		CS102F / 2.5-5	Soil	154	1	20.0
584219-5		CS102F / 10-15	Soil	23.6	<1	14.6
584219-6		CS102B / 0-2.5	Soil	171	2	24.4
584219-7		CS102B / 2.5-5	Soil	97.8	1	23.8
584219-8		CS102B / 10-15	Soil	46.3	<1	22.7
584219-9		CS103F / 0-2.5	Soil	252	4	20.2
584219-10		CS103B / 0-2.5	Soil	221	3	25.9
584219-11		CS103G / 0-5	Soil	11.1	<1	9.5
584219-12		CS104F / 0-2.5	Soil	394	3	17.7
584219-13		CS104B / 0-2.5	Soil	365	4	31.1
584219-14		CS104G / 0-5	Soil	80.8	<1	31.8

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Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Lead	Molybdenum	Nickel
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.1	1	0.5
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-15		CS105F / 0-2.5	Soil	222	3	17.5
584219-16		CS105B / 0-2.5	Soil	66.7	1	28.6
584219-17		CS106F / 0-2.5	Soil	177	2	20.3
584219-18		CS106B / 0-2.5	Soil	39.8	<1	25.8
584219-19		CS107F / 0-2.5	Soil	17.5	<1	15.7
584219-20		CS107B / 0-2.5	Soil	259	4	13.0
584219-21		CS108S / 0-5	Soil	3.4	<1	6.1
584219-22		CS108F / 0-2.5	Soil	287	3	13.3
584219-23		CS108B / 0-2.5	Soil	182	5	11.8
584219-24		CS109S / 0-5	Soil	2.8	<1	6.1
584219-25		CS110F / 0-2.5	Soil	72.0	2	19.1
584219-26		CS110B / 0-2.5	Soil	93.6	1	12.2
584219-27		CS110S / 0-5	Soil	7.1	<1	5.9
584219-28		CS111F / 0-2.5	Soil	154	3	11.5
584219-29		CS111F / 2.5-5	Soil	55.0	2	13.8
584219-30		CS111F / 10-15	Soil	17.8	<1	11.5
584219-31		CS111S / 0-5	Soil	5.4	<1	6.7
584219-32		CS112F / 0-2.5	Soil	228	2	20.7
584219-33		CS112B / 0-2.5	Soil	249	2	16.0
584219-34		CS112G / 0-5	Soil	1490	2	11.9
584219-35		CS113F / 0-2.5	Soil	194	2	25.4
584219-36		CS113B / 0-2.5	Soil	115	2	12.9
584219-37		CS114F / 0-2.5	Soil	200	2	12.1
584219-38		CS114B / 0-2.5	Soil	99.3	1	19.7
584219-39		CS115F / 0-2.5	Soil	86.4	2	15.3
584219-40		CS116F / 0-2.5	Soil	33.8	<1	23.1
584219-41		CS117F / 0-2.5	Soil	83.3	2	9.7
584219-42		CS117B / 0-2.5	Soil	122	4	9.8
584219-43		CS118F / 0-2.5	Soil	199	1	16.5
584219-44		CS118B / 0-2.5	Soil	248	2	17.0
584219-45		CS118G / 0-5	Soil	84.3	<1	16.2
584219-46		CS119F / 0-2.5	Soil	58.2	<1	11.9
584219-47		CS119B / 0-2.5	Soil	238	2	16.1
584219-48		CS119G / 0-5	Soil	156	<1	13.5
584219-49		CS120F / 0-2.5	Soil	193	3	16.9
584219-50		CS120B / 0-2.5	Soil	63.4	<1	28.8
584219-51		CS121F / 0-2.5	Soil	122	2	13.4
584219-52		CS122S / 0-5	Soil	6.4	<1	5.0
584219-53		CS123F / 0-2.5	Soil	70.6	2	9.1

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Lead	Molybdenum	Nickel
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.1	1	0.5
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-54		CS124F / 0-2.5	Soil	69.3	2	12.1
584219-55		CS125F / 0-2.5	Soil	456	3	18.1
584219-56		CS125G / 0-2.5	Soil	95.4	1	18.0
584219-57		CS126F / 0-2.5	Soil	137	2	11.1
584219-58		CS126B / 0-2.5	Soil	89.7	<1	33.1
584219-59		CS127F / 0-2.5	Soil	248	9	13.6
584219-60		CS127B / 0-2.5	Soil	55.9	<1	7.8
584219-61		CS127S / 0-5	Soil	9.6	<1	7.4
584219-62		CS128F / 0-2.5	Soil	236	2	32.8
584219-63		CS128F / 2.5-5	Soil	156	2	17.5
584219-64		CS128F / 5-10 (Hot Spot)	Soil	64.9	<1	24.1
584219-65		CS128F / 10-15	Soil	61.4	<1	23.4
584219-66		CS129F / 0-2.5	Soil	392	3	17.2
584219-67		CS129G / 0-5	Soil	80.6	<1	23.9
584219-68		CS130F / 0-2.5	Soil	146	1	12.5

			Analyte	Selenium	Silver	Sulfur
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.3	0.1	300
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-1		CS101F / 0-2.5	Soil	3.5	0.8	4600
584219-2		CS101B / 0-2.5	Soil	3.8	0.8	5000
584219-3		CS102F / 0-2.5	Soil	2.4	0.5	3100
584219-4		CS102F / 2.5-5	Soil	5.0	0.8	2100
584219-5		CS102F / 10-15	Soil	0.6	0.2	800
584219-6		CS102B / 0-2.5	Soil	6.1	0.9	3400
584219-7		CS102B / 2.5-5	Soil	4.3	0.8	1300
584219-8		CS102B / 10-15	Soil	1.2	0.7	900
584219-9		CS103F / 0-2.5	Soil	12.4	2.0	3300
584219-10		CS103B / 0-2.5	Soil	9.0	1.4	3500
584219-11		CS103G / 0-5	Soil	<0.3	<0.1	1000
584219-12		CS104F / 0-2.5	Soil	20.4	2.3	4700
584219-13		CS104B / 0-2.5	Soil	15.1	2.3	9000
584219-14		CS104G / 0-5	Soil	3.2	2.2	2400
584219-15		CS105F / 0-2.5	Soil	8.5	1.5	6000
584219-16		CS105B / 0-2.5	Soil	2.8	0.5	4600
584219-17		CS106F / 0-2.5	Soil	6.6	1.0	2000
584219-18		CS106B / 0-2.5	Soil	1.9	0.3	1700

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Selenium	Silver	Sulfur
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.3	0.1	300
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-19		CS107F / 0-2.5	Soil	1	0.2	1300
584219-20		CS107B / 0-2.5	Soil	10.0	1.6	3300
584219-21		CS108S / 0-5	Soil	<0.3	<0.1	<300
584219-22		CS108F / 0-2.5	Soil	13.0	1.6	3400
584219-23		CS108B / 0-2.5	Soil	4.9	1.1	3400
584219-24		CS109S / 0-5	Soil	<0.3	<0.1	<300
584219-25		CS110F / 0-2.5	Soil	2.3	0.5	2800
584219-26		CS110B / 0-2.5	Soil	1.9	0.5	2400
584219-27		CS110S / 0-5	Soil	<0.3	<0.1	<300
584219-28		CS111F / 0-2.5	Soil	4.2	0.7	3200
584219-29		CS111F / 2.5-5	Soil	2.6	0.3	7500
584219-30		CS111F / 10-15	Soil	1.3	0.2	1400
584219-31		CS111S / 0-5	Soil	<0.3	<0.1	<300
584219-32		CS112F / 0-2.5	Soil	5.2	1	3800
584219-33		CS112B / 0-2.5	Soil	5.5	1.0	3800
584219-34		CS112G / 0-5	Soil	5.8	3.0	3600
584219-35		CS113F / 0-2.5	Soil	5.3	0.9	2600
584219-36		CS113B / 0-2.5	Soil	3.7	0.5	3800
584219-37		CS114F / 0-2.5	Soil	5.6	0.9	4900
584219-38		CS114B / 0-2.5	Soil	1.9	0.4	1500
584219-39		CS115F / 0-2.5	Soil	2.1	0.4	4400
584219-40		CS116F / 0-2.5	Soil	1	0.2	900
584219-41		CS117F / 0-2.5	Soil	2.4	0.4	4700
584219-42		CS117B / 0-2.5	Soil	3.3	0.6	4600
584219-43		CS118F / 0-2.5	Soil	4.4	0.8	2200
584219-44		CS118B / 0-2.5	Soil	4.8	0.8	2200
584219-45		CS118G / 0-5	Soil	1.3	0.3	700
584219-46		CS119F / 0-2.5	Soil	1.1	0.2	500
584219-47		CS119B / 0-2.5	Soil	3.7	0.8	1900
584219-48		CS119G / 0-5	Soil	1.6	0.8	700
584219-49		CS120F / 0-2.5	Soil	5.2	0.8	4300
584219-50		CS120B / 0-2.5	Soil	1.6	0.3	1000
584219-51		CS121F / 0-2.5	Soil	3.2	0.6	2200
584219-52		CS122S / 0-5	Soil	<0.3	<0.1	<300
584219-53		CS123F / 0-2.5	Soil	1.7	0.3	4900
584219-54		CS124F / 0-2.5	Soil	2.0	0.3	2300
584219-55		CS125F / 0-2.5	Soil	15.0	1.9	8100
584219-56		CS125G / 0-2.5	Soil	3.1	0.4	2100
584219-57		CS126F / 0-2.5	Soil	4.2	0.6	3700

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Selenium	Silver	Sulfur
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.3	0.1	300
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-58		CS126B / 0-2.5	Soil	2.6	0.5	2500
584219-59		CS127F / 0-2.5	Soil	17.2	1.0	6700
584219-60		CS127B / 0-2.5	Soil	2.2	0.2	1300
584219-61		CS127S / 0-5	Soil	0.5	<0.1	<300
584219-62		CS128F / 0-2.5	Soil	7.4	1.1	4000
584219-63		CS128F / 2.5-5	Soil	3.7	0.6	1700
584219-64		CS128F / 5-10 (Hot Spot)	Soil	0.8	0.4	700
584219-65		CS128F / 10-15	Soil	0.8	0.3	600
584219-66		CS129F / 0-2.5	Soil	16.3	2.2	3600
584219-67		CS129G / 0-5	Soil	1.5	0.5	1200
584219-68		CS130F / 0-2.5	Soil	6.9	0.9	2900

			Analyte	Thallium	Tin	Vanadium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.05	1	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-1		CS101F / 0-2.5	Soil	0.26	4	21.5
584219-2		CS101B / 0-2.5	Soil	0.24	4	19.9
584219-3		CS102F / 0-2.5	Soil	0.17	4	17.8
584219-4		CS102F / 2.5-5	Soil	0.27	4	31.6
584219-5		CS102F / 10-15	Soil	0.12	4	25.6
584219-6		CS102B / 0-2.5	Soil	0.30	3	37.0
584219-7		CS102B / 2.5-5	Soil	0.25	4	42.5
584219-8		CS102B / 10-15	Soil	0.19	5	39.6
584219-9		CS103F / 0-2.5	Soil	0.44	4	31.1
584219-10		CS103B / 0-2.5	Soil	0.37	4	20.2
584219-11		CS103G / 0-5	Soil	0.08	4	17.0
584219-12		CS104F / 0-2.5	Soil	0.67	5	51.9
584219-13		CS104B / 0-2.5	Soil	0.81	5	61.5
584219-14		CS104G / 0-5	Soil	0.38	7	58.6
584219-15		CS105F / 0-2.5	Soil	0.48	4	54.6
584219-16		CS105B / 0-2.5	Soil	0.35	4	54.3
584219-17		CS106F / 0-2.5	Soil	0.31	4	39.8
584219-18		CS106B / 0-2.5	Soil	0.24	4	48.9
584219-19		CS107F / 0-2.5	Soil	0.14	4	24.6
584219-20		CS107B / 0-2.5	Soil	0.51	4	27.3
584219-21		CS108S / 0-5	Soil	<0.05	6	13.0
584219-22		CS108F / 0-2.5	Soil	0.35	2	21.2

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Thallium	Tin	Vanadium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.05	1	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-23		CS108B / 0-2.5	Soil	0.32	5	17.0
584219-24		CS109S / 0-5	Soil	<0.05	5	11.4
584219-25		CS110F / 0-2.5	Soil	0.26	4	33.1
584219-26		CS110B / 0-2.5	Soil	0.18	4	19.3
584219-27		CS110S / 0-5	Soil	0.05	3	13.0
584219-28		CS111F / 0-2.5	Soil	0.23	5	16.8
584219-29		CS111F / 2.5-5	Soil	0.12	5	19.0
584219-30		CS111F / 10-15	Soil	0.09	5	18.6
584219-31		CS111S / 0-5	Soil	0.05	5	12.2
584219-32		CS112F / 0-2.5	Soil	0.35	4	20.0
584219-33		CS112B / 0-2.5	Soil	0.30	5	13.8
584219-34		CS112G / 0-5	Soil	0.14	2	21.7
584219-35		CS113F / 0-2.5	Soil	0.20	2	27.1
584219-36		CS113B / 0-2.5	Soil	0.14	2	20.9
584219-37		CS114F / 0-2.5	Soil	0.25	2	19.9
584219-38		CS114B / 0-2.5	Soil	0.24	2	36.4
584219-39		CS115F / 0-2.5	Soil	0.18	2	23.6
584219-40		CS116F / 0-2.5	Soil	0.21	2	42.8
584219-41		CS117F / 0-2.5	Soil	0.18	2	16.7
584219-42		CS117B / 0-2.5	Soil	0.22	2	16.5
584219-43		CS118F / 0-2.5	Soil	0.29	2	32.9
584219-44		CS118B / 0-2.5	Soil	0.28	2	30.1
584219-45		CS118G / 0-5	Soil	0.20	2	36.9
584219-46		CS119F / 0-2.5	Soil	0.11	2	20.1
584219-47		CS119B / 0-2.5	Soil	0.23	2	21.0
584219-48		CS119G / 0-5	Soil	0.17	3	23.7
584219-49		CS120F / 0-2.5	Soil	0.31	2	32.1
584219-50		CS120B / 0-2.5	Soil	0.16	2	29.3
584219-51		CS121F / 0-2.5	Soil	0.18	2	25.8
584219-52		CS122S / 0-5	Soil	<0.05	3	10.9
584219-53		CS123F / 0-2.5	Soil	0.13	2	13.1
584219-54		CS124F / 0-2.5	Soil	0.15	2	21.4
584219-55		CS125F / 0-2.5	Soil	0.48	2	30.5
584219-56		CS125G / 0-2.5	Soil	0.24	2	47.2
584219-57		CS126F / 0-2.5	Soil	0.21	2	19.7
584219-58		CS126B / 0-2.5	Soil	0.36	2	57.0
584219-59		CS127F / 0-2.5	Soil	0.35	4	20.2
584219-60		CS127B / 0-2.5	Soil	0.12	2	12.7
584219-61		CS127S / 0-5	Soil	0.07	2	16.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Thallium	Tin	Vanadium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.05	1	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584219-62		CS128F / 0-2.5	Soil	0.38	2	29.9
584219-63		CS128F / 2.5-5	Soil	0.29	2	38.8
584219-64		CS128F / 5-10 (Hot Spot)	Soil	0.23	3	39.7
584219-65		CS128F / 10-15	Soil	0.21	3	37.2
584219-66		CS129F / 0-2.5	Soil	0.52	4	33.9
584219-67		CS129G / 0-5	Soil	0.27	3	41.2
584219-68		CS130F / 0-2.5	Soil	0.30	3	16.7

			Analyte	Zinc
			Description	Strong Acid Extractable
			Units	ug/g
			Detection Limit	1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584219-1		CS101F / 0-2.5	Soil	498
584219-2		CS101B / 0-2.5	Soil	702
584219-3		CS102F / 0-2.5	Soil	642
584219-4		CS102F / 2.5-5	Soil	1780
584219-5		CS102F / 10-15	Soil	641
584219-6		CS102B / 0-2.5	Soil	2140
584219-7		CS102B / 2.5-5	Soil	1730
584219-8		CS102B / 10-15	Soil	798
584219-9		CS103F / 0-2.5	Soil	1420
584219-10		CS103B / 0-2.5	Soil	999
584219-11		CS103G / 0-5	Soil	126
584219-12		CS104F / 0-2.5	Soil	1690
584219-13		CS104B / 0-2.5	Soil	1900
584219-14		CS104G / 0-5	Soil	1180
584219-15		CS105F / 0-2.5	Soil	797
584219-16		CS105B / 0-2.5	Soil	498
584219-17		CS106F / 0-2.5	Soil	2180
584219-18		CS106B / 0-2.5	Soil	586
584219-19		CS107F / 0-2.5	Soil	127
584219-20		CS107B / 0-2.5	Soil	2160
584219-21		CS108S / 0-5	Soil	25
584219-22		CS108F / 0-2.5	Soil	2810
584219-23		CS108B / 0-2.5	Soil	956
584219-24		CS109S / 0-5	Soil	22
584219-25		CS110F / 0-2.5	Soil	489
584219-26		CS110B / 0-2.5	Soil	833

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Zinc
			Description	Strong Acid Extractable
			Units	ug/g
			Detection Limit	1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584219-27		CS110S / 0-5	Soil	62
584219-28		CS111F / 0-2.5	Soil	476
584219-29		CS111F / 2.5-5	Soil	880
584219-30		CS111F / 10-15	Soil	460
584219-31		CS111S / 0-5	Soil	52
584219-32		CS112F / 0-2.5	Soil	1650
584219-33		CS112B / 0-2.5	Soil	707
584219-34		CS112G / 0-5	Soil	350
584219-35		CS113F / 0-2.5	Soil	2010
584219-36		CS113B / 0-2.5	Soil	3020
584219-37		CS114F / 0-2.5	Soil	1270
584219-38		CS114B / 0-2.5	Soil	636
584219-39		CS115F / 0-2.5	Soil	577
584219-40		CS116F / 0-2.5	Soil	264
584219-41		CS117F / 0-2.5	Soil	686
584219-42		CS117B / 0-2.5	Soil	640
584219-43		CS118F / 0-2.5	Soil	4120
584219-44		CS118B / 0-2.5	Soil	3420
584219-45		CS118G / 0-5	Soil	819
584219-46		CS119F / 0-2.5	Soil	504
584219-47		CS119B / 0-2.5	Soil	1380
584219-48		CS119G / 0-5	Soil	1200
584219-49		CS120F / 0-2.5	Soil	3130
584219-50		CS120B / 0-2.5	Soil	691
584219-51		CS121F / 0-2.5	Soil	2170
584219-52		CS122S / 0-5	Soil	29
584219-53		CS123F / 0-2.5	Soil	433
584219-54		CS124F / 0-2.5	Soil	722
584219-55		CS125F / 0-2.5	Soil	4660
584219-56		CS125G / 0-2.5	Soil	782
584219-57		CS126F / 0-2.5	Soil	987
584219-58		CS126B / 0-2.5	Soil	885
584219-59		CS127F / 0-2.5	Soil	1470
584219-60		CS127B / 0-2.5	Soil	422
584219-61		CS127S / 0-5	Soil	64
584219-62		CS128F / 0-2.5	Soil	1560
584219-63		CS128F / 2.5-5	Soil	1110
584219-64		CS128F / 5-10 (Hot Spot)	Soil	548
584219-65		CS128F / 10-15	Soil	859

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584219**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069105
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Zinc
			Description	Strong Acid Extractable
			Units	ug/g
			Detection Limit	1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584219-66		CS129F / 0-2.5	Soil	1600
584219-67		CS129G / 0-5	Soil	927
584219-68		CS130F / 0-2.5	Soil	653

Approved by:

Anthony Neumann, MSc
Laboratory Operations Manager

Bodycote TESTING GROUP

Quality Control

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584219**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069105

Hot Water Soluble

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Boron	ug/g	<1	0.0	-0.1	0.2	yes
Material Used:	Edmonton Method Blank					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
Boron	ug/g	2.6	2.6	10.0	0.1	yes
Material Used:	Edmonton Duplicate					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Boron	ug/g	1.5	1.5	1.0	2.0	yes
Material Used:	2007 Farmsoil Standard					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					
Boron	ug/g	0.1	0.1	-0.0	0.3	yes
Material Used:	Edmonton Calibration Check					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					

Metals Strong Acid Digestion

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Mercury	ug/g	<0.01	0.01	-0.07	0.09	yes
Antimony	ug/g	<0.2	0.0	-0.7	0.8	yes
Arsenic	ug/g	<0.2	0.0	-0.1	0.2	yes
Barium	ug/g	2	0	-1	2	yes
Beryllium	ug/g	<0.1	0.0	-0.0	0.0	yes
Cadmium	ug/g	<0.01	0.02	-0.22	0.27	yes
Chromium	ug/g	<0.5	0.0	-0.3	0.3	yes
Cobalt	ug/g	<0.1	0.0	-0.1	0.1	yes
Copper	ug/g	<1	0	-1	2	yes
Lead	ug/g	0.2	0.0	-0.6	0.6	yes
Molybdenum	ug/g	<1	0	-0	0	yes
Nickel	ug/g	<0.5	0.4	-1.1	1.9	yes
Selenium	ug/g	<0.3	-0.1	-3.1	2.9	yes
Silver	ug/g	<0.1	0.0	-0.6	0.6	yes
Thallium	ug/g	<0.05	0.00	-0.00	0.01	yes
Tin	ug/g	6	4	1	7	yes
Vanadium	ug/g	<0.1	0.0	-0.1	0.1	yes
Zinc	ug/g	1	1	-0	3	yes

Bodycote TESTING GROUP

Quality Control

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584219**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069105

Metals Strong Acid Digestion - Continued

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Material Used:	Edmonton Method Blank					
Date Acquired:	October 31, 2007					
Acquired By:	Jennifer Persson					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
Mercury	ug/g	8.4	8.5	9.99	0.03	yes
Antimony	ug/g	2.8	2.6	20.0	0.4	yes
Arsenic	ug/g	97.3	94.1	20.0	0.4	yes
Barium	ug/g	750	792	20	2	yes
Beryllium	ug/g	1.0	1.2	20.0	0.2	yes
Cadmium	ug/g	6.80	6.18	20.01	0.02	yes
Chromium	ug/g	31.1	26.9	20.0	1.1	yes
Cobalt	ug/g	9.9	9.5	20.0	0.2	yes
Copper	ug/g	730	730	20	2	yes
Lead	ug/g	66.7	59.7	20.0	0.2	yes
Molybdenum	ug/g	3	2	20	2	yes
Nickel	ug/g	35.7	35.5	20.0	1.1	yes
Selenium	ug/g	3.7	3.2	20.0	0.7	yes
Silver	ug/g	1.6	1.6	20.0	0.2	yes
Thallium	ug/g	0.35	0.32	20.01	0.11	yes
Tin	ug/g	4	4	20	2	yes
Vanadium	ug/g	54.3	49.8	20.0	0.2	yes
Zinc	ug/g	58	58	20	2	yes
Material Used:	Edmonton Duplicate					
Date Acquired:	November 01, 2007					
Acquired By:	Jennifer Persson					

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Mercury	ug/g	0.31	0.30	0.18	0.42	yes
Antimony	ug/g	0.7	0.6	0.1	1.0	yes
Arsenic	ug/g	92.7	91.1	61.4	120.8	yes
Barium	ug/g	264	262	188	336	yes
Beryllium	ug/g	1.1	0.9	0.6	1.2	yes
Cadmium	ug/g	2.23	2.09	1.28	2.90	yes
Chromium	ug/g	44.7	45.4	29.8	61.0	yes
Cobalt	ug/g	14.4	14.2	9.8	18.6	yes
Copper	ug/g	220	205	147	262	yes
Lead	ug/g	126	123.3	84.9	161.7	yes
Molybdenum	ug/g	3	3	2	4	yes
Nickel	ug/g	64.4	65.1	42.9	87.3	yes
Selenium	ug/g	1	0.7	0.3	1.1	yes
Silver	ug/g	1.0	1.0	0.6	1.5	yes
Thallium	ug/g	0.39	0.38	0.26	0.50	yes

Bodycote TESTING GROUP

Quality Control

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584219**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069105

Metals Strong Acid Digestion - Continued

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Tin	ug/g	5	4	1	7	yes
Vanadium	ug/g	54.4	48.0	32.6	63.4	yes
Zinc	ug/g	564	523	331	715	yes

Material Used: Metals Soil SS-2
Date Acquired: November 01, 2007
Acquired By: Jennifer Persson

Bodycote TESTING GROUP

Methodology and Notes

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584219**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069105

Method of Analysis

Method Name	Reference		Method	Date Analysis Started	Location
Boron in general soil	McKeague	*	Hot Water Soluble Boron - Azomethine -H Method, 4.61	31-Oct-07	BTG Edmonton
Mercury (Hot Block) in Soil	US EPA	*	Determination of Hg in Sediment by Cold Vapor Atomic Absorption Spec, 245.5	01-Nov-07	BTG Edmonton
Metals ICP-MS (Hot Block) in soil	SW-846	*	Acid Digestion of Sediments, Sludges, and Soils, EPA 3050B	31-Oct-07	BTG Edmonton
Metals ICP-MS (Hot Block) in soil	SW-846	*	Acid Digestion of Sediments, Sludges, and Soils, EPA 3050B	01-Nov-07	BTG Edmonton

** Bodycote method(s) based on reference method*

References

McKeague	Manual on Soil Sampling and Methods of Analysis
SW-846	Test Methods for Evaluating Solid Waste
US EPA	US Environmental Protection Agency Test Methods

Comments:

Bodycote TESTING GROUP

LOT: 584132 Control Number

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:				**Copy of Report To:**			
Company:	Jacques Whitford AXYS Ltd.			Company:		Copy of invoice:	
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report	☐	Address:		Mail invoice to this address for approval	☐
		Report Result:				Report Result:	
Attention:	Darren Keam	Fax	☐	Attention:		Fax	☐
Phone:	(204) 475-9966	Mail	☐	Phone:		Mail	☐
Fax:	(204) 284-4795	Courier	☐	Fax:		Courier	☐
Cell:	(204) 795-7563	e-mail	X	Cell:		e-mail	☐
e-mail:	dkeam@axys.net	e-Service	X	e-mail:		e-Service	☐

Information to be included on Report and Invoice		**RUSH** Please contact the laboratory to confirm rush dates and times before submitting samples.	Sample Custody (Please Print)
Project ID:	1032002.01	Upon filling out this section, client accepts that surcharges will be attached to this analysis	Sampled by: Darren Keam
Project Name:	HBMS_Soil_Sampling		Company JW AXYS Signature
Project Location:	FlinFlon,MB	RUSH required on: All Analysis ☐ or As indicated ☐	I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Legal Location:		Date Required:	Date: 26-Oct-07 Initial:
PO#:	1032002.01_Z9100	Signature:	Received by: AB / Sample Temp.
Proj. Acct. Code:		Bodycote Authorization:	Waybill #: / Date 30/10/07
Agreement ID:	80477		Company / Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN	Depth CM	Depth M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TT44	MTS	Enter tests above (✓ relevant samples below)
1	FF201F 0-2.5						Soil	Comp		✓	
2	FF201B 0-2.5						"	"		✓	
3	FF202F 0-2.5						"	"		✓	
4	FF202G 0-5						"	"		✓	
5	FF203F 0-2.5						"	"		✓	
6	FF203B 0-2.5						"	"		✓	
7	FF204F 0-2.5						"	"		✓	
8	FF205F 0-2.5						"	"		✓	
9	FF205B 0-2.5						"	"		✓	
10	FF206F 0-2.5						"	"		✓	
11	FF206B 0-2.5						"	"		✓	
12	FF207F 0-2.5						"	"		✓	
13	FF208B 0-2.5						"	"		✓	
14	FF209B 0-2.5						"	"		✓	
15	FF209G 0-5						"	"		✓	

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

✓

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:		QA/QC Report ☐	Address:		address for approval ☐
	103-611 Corydon				
	Winnipeg, MB, CAN				
	R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH Please contact the laboratory to confirm rush dates and times before submitting samples.

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature

I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:

Received by:	Sample Temp.
Waybill #:	Date
Company	Time

Special Instructions / Comments

1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
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Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers TM44	MTS	Enter tests above (✓ relevant samples below)
1	FF210B 0-2.5				Soil	Comp		✓	
2	FF211 B 0-2.5							✓	
3	FF212F 0-2.5							✓	
4	FF213B 0-2.5							✓	
5	FF214F 0-2.5							✓	
6	FF215F 0-2.5							✓	
7	FF215G 0-5							✓	
8	FF216B 0-2.5							✓	
9	FF217B 0-2.5							✓	
10	FF218F 0-2.5							✓	
11	FF218G 0-5							✓	
12	FF219F 0-2.5							✓	
13	FF219B 0-2.5							✓	
14	FF220B 0-2.5							✓	
15	FF221F 0-2.5							✓	

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

✓

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:		QA/QC Report ☐	Address:		address for approval ☐
	103-611 Corydon				
	Winnipeg, MB, CAN				
	R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice		**RUSH** – Please contact the laboratory to confirm rush dates and times before submitting samples.	Sample Custody (Please Print)
Project ID:	1032002.01	Upon filling out this section, client accepts that surcharges will be attached to this analysis	Sampled by: Darren Keam
Project Name:	HBMS_Soil_Sampling	RUSH All Analysis ☐ or As indicated ☐	Company JW AXYS Signature
Project Location:	FlinFlon,MB	required on:	I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Legal Location:		Date Required: _____	Date: 26-Oct-07 Initial:
PO#:	1032002.01_Z9100	Signature: _____	Received by: / Sample Temp.
Proj. Acct. Code:		Bodycote Authorization: _____	Waybill #: / Date
Agreement ID:	80477		Company / Time

Special Instructions / Comments
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4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

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Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TT44	MTS	Enter tests above (✓ relevant samples below)
1	FF227F 0-2.5				Soil	Comp			
2	FF223 F 0-2.5								
3	FF223 F 2.5-5								
4	FF223 F 10-15								
5	FF224F 0-2.5								
6	FF 225 B 0-2.5								
7	FF 226 F 0-2.5								
8	FF 227 F 0-2.5								
9	FF 228 F 0-2.5								
10	FF 229 F 0-2.5								
11	FF 231 F 0-2.5								
12	FF 231 2.5-5								
13	FF 231 10-15								
14	FF 232 0-2.5								
15	FF 233F 0-2.5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:		QA/QC Report ☐	Address:		address for approval ☐
	103-611 Corydon Winnipeg, MB, CAN R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice		**RUSH** Please contact the laboratory to confirm rush dates and times before submitting samples.	Sample Custody (Please Print)
Project ID:	1032002.01	Upon filling out this section, client accepts that surcharges will be attached to this analysis	Sampled by: Darren Keam
Project Name:	HBMS_Soil_Sampling	RUSH required on: All Analysis ☐ or As indicated ☐	Company JW AXYS Signature
Project Location:	FlinFlon,MB	Date Required: _____	I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Legal Location:		Signature: _____	Date: 26-Oct-07 Initial:
PO#:	1032002.01_Z9100	Bodycote Authorization: _____	Received by: / Sample Temp.
Proj. Acct. Code:			Waybill #: / Date
Agreement ID:	80477		Company / Time

Special Instructions / Comments

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2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
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4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: 144 MTS	Enter tests above (✓ relevant samples below)
1	FF233B 0-2.5				Soil	Comp		
2	FF 234F 0-2.5							
3	FF 235 F 0-2.5 _235b +G							
4	FF 236 F 0-2.5							
5	FF 237 F 0-2.5							
6	FF 237B 0-2.5							
7	FF 238 F 0-2.5							
8	FF239 F 0-2.5							
9	FF240 F 0-2.5							
10	FF240S 0-5							
11	FF241 F 0-2.5							
12	FF242F 0-2.5							
13	FF243F 0-2.5							
14	FF244B 0-2.5							
15	FF245F 0-25							

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

✓

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

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Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:		QA/QC Report ☐	Address:		address for approval ☐
	103-611 Corydon				
	Winnipeg, MB, CAN				
	R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice		**RUSH** Please contact the laboratory to confirm rush dates and times before submitting samples.	Sample Custody (Please Print)
Project ID:	1032002.01	Upon filling out this section, client accepts that surcharges will be attached to this analysis	Sampled by: Darren Keam
Project Name:	HBMS_Soil_Sampling	RUSH All Analysis ☐ or As indicated ☐	Company JW AXYS Signature
Project Location:	FlinFlon,MB	required on:	I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Legal Location:		Date Required: _____	Date: 26-Oct-07 Initial:
PO#:	1032002.01_Z9100	Signature: _____	Received by: / Sample Temp.
Proj. Acct. Code:		Bodycote Authorization: _____	Waybill #: / Date
Agreement ID:	80477		Company / Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers TT-44	MTS	Enter tests above (✓ relevant samples below)
1	FF246F 0-2.5				Soil	Comp			
2	FF247F 0-2.5								
3	FF248F 0-2.5								
4	FF248F 2.5-5								
5	FF248F 10-15								
6	FF248B 0-2.5								
7	FF249F 0-2.5 ~ 249G +B								
8	FF250F 0-2.5								
9	FF251F 0-2.5								
10	FF252F 0-2.5								
11	FF253F 0-2.5								
12	FF254F 0-2.5								
13	FF255F 0-2.5								
14	FF256F 0-2.5								
15	FF256F 2.5-5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:		QA/QC Report ☐	Address:		address for approval ☐
	103-611 Corydon Winnipeg, MB, CAN R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice		**RUSH** Please contact the laboratory to confirm rush dates and times before submitting samples.	Sample Custody (Please Print)
Project ID:	1032002.01	Upon filling out this section, client accepts that surcharges will be attached to this analysis	Sampled by: Darren Keam
Project Name:	HBMS_Soil_Sampling	RUSH required on: All Analysis ☐ or As indicated ☐	Company JW AXYS Signature
Project Location:	FlinFlon,MB	Date Required: _____	I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Legal Location:		Signature: _____	Date: 26-Oct-07 Initial:
PO#:	1032002.01_Z9100	Bodycote Authorization: _____	Received by: / Sample Temp.
Proj. Acct. Code:			Waybill #: / Date
Agreement ID:	80477		Company / Time

Special Instructions / Comments

1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TT44	MTS	Enter tests above (✓ relevant samples below)
1	FF256F 10-15				Soil	Comp			
2	FF257F 0-2.5								
3	FF258F 0-2.5								
4	FF258G 0-5								
5	FF259F 0-2.5								
6	FF259G 0-5								
7	FF260F 0-2.5								
8	FF260S 0-5								
9	FF261F 0-2.5								
10	FF261G 0-5								
11	FF262F 0-2.5								
12	FF262B 0-2.5								
13	FF262G 0-5								
14	FF263F 0-2.5								
15	FF264F 0-2.5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:		QA/QC Report ☐	Address:		address for approval ☐
	103-611 Corydon				
	Winnipeg, MB, CAN				
	R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH – Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:

Received by:	Sample Temp.
Waybill #:	Date
Company	Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TT44	MTS						Enter tests above (✓ relevant samples below)
1	FF 265F 0-2.5				Soil	Comp								
2	FF266F 0-2.5													
3	FF267F 0-2.5													
4	FF 268F 0-2.5	268B												
5	FF 269F 0-2.5													
6	FF 270F 0-2.5													
7	FF 271F 0-2.5													
8	FF 272F 0-2.5													
9	FF 273B 0-2.5													
10	FF274F 0-2.5													
11	FF275F 0-2.5													
12	FF276F 0-2.5													
13	FF277F 0-2.5													
14	FF 278F 0-2.5													
15	FF 279B 0-2.5													

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

~~FF235B 0-2.5~~
~~FF235G 0-5~~

Report Transmission Cover Page

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Approval Status:	Approved
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Invoice Frequency:	by Lot
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	COD Status:	
	R3M 0S1	LSD:		Control Number:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100	Date Received:	Oct 30, 2007
Sampled By:	Darren Keam	Acct code:		Date Reported:	Nov 9, 2007
Company:	JW AXYS			Report Number:	1068894

Contact	Company	Address
Jim Hicks	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: jhicks@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
David Whetter	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dwhetter@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
Darren Keam	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dkeam@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

_____ PAGES IN THIS TRANSMISSION

Notes To Clients:

Reports associated with this Lot

Id/Format/Report Date	Id/Format/Report Date	Id/Format/Report Date

Bodycote TESTING GROUP

Sample Custody

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:	Darren Keam	Acct code:	
Company:	JW AXYS		

Lot ID:	**584132**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 9, 2007
Report Number:	1068894

Sample Disposal Date: December 09, 2007

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the bottom of this page.

☐ Extend Sample Storage Until _____ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	$ 10.00
Storage for 6 to 20 samples per month	$ 15.00
Storage for 21 to 50 samples per month	$ 30.00
Storage for 51 to 200 samples per month	$ 60.00
Storage for more than 200 samples per month	$ 110.00

☐ Return Sample, collect, to the address below via:

- ☐ Greyhound
- ☐ Loomis
- ☐ Purolator
- ☐ Other (specify) _____

Name _____

Company _____

Address _____

_____

Phone _____

Fax _____

Signature _____

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:	Darren Keam	Acct code:	
Company:	JW AXYS		

Lot ID:	**584132**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 9, 2007
Report Number:	1068894

Hot Water Soluble

			Analyte	Boron
			Description	Water Soluble
			Units	ug/g
			Detection Limit	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584132-1		FF201F 0-2.5	Soil	2
584132-2		FF201B 0-2.5	Soil	3.8
584132-3		FF202F 0-2.5	Soil	3.1
584132-4		FF202G 0-5	Soil	2
584132-5		FF203F 0-2.5	Soil	2.2
584132-6		FF203B 0-2.5	Soil	1
584132-7		FF204F 0-2.5	Soil	4.0
584132-8		FF205F 0-2.5	Soil	3.8
584132-9		FF205B 0-2.5	Soil	8.7
584132-10		FF206F 0-2.5	Soil	1.4
584132-11		FF206B 0-2.5	Soil	1.5
584132-12		FF207F 0-2.5	Soil	1
584132-13		FF208B 0-2.5	Soil	3.7
584132-14		FF209B 0-2.5	Soil	2
584132-15		FF209G 0-5	Soil	2.3
584132-16		FF210B 0-2.5	Soil	2
584132-17		FF211B 0-2.5	Soil	1
584132-18		FF212F 0-2.5	Soil	0.9
584132-19		FF213B 0-2.5	Soil	1.5
584132-20		FF214F 0-2.5	Soil	3.6
584132-21		FF215F 0-2.5	Soil	2.8
584132-22		FF215G 0-5	Soil	1.2
584132-23		FF216B 0-2.5	Soil	6.6
584132-24		FF217B 0-2.5	Soil	13
584132-25		FF218F 0-2.5	Soil	0.3
584132-26		FF218G 0-5	Soil	1.3
584132-27		FF219F 0-2.5	Soil	1.6
584132-28		FF219B 0-2.5	Soil	1.6
584132-29		FF220B 0-2.5	Soil	2.2
584132-30		FF221F 0-2.5	Soil	0.7
584132-31		FF222F 0-2.5	Soil	4.6
584132-32		FF223F 0-2.5	Soil	3.7
584132-33		FF223F 2.5-5	Soil	3.5
584132-34		FF223F 10-15	Soil	0.4
584132-35		FF224F 0-2.5	Soil	2.6
584132-36		FF225B 0-2.5	Soil	5.6
584132-37		FF226F 0-2.5	Soil	2
584132-38		FF227F 0-2.5	Soil	2
584132-39		FF228F 0-2.5	Soil	1.0

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:	Darren Keam	Acct code:	
Company:	JW AXYS		

Lot ID:	**584132**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 9, 2007
Report Number:	1068894

Hot Water Soluble - Continued

			Analyte	Boron
			Description	Water Soluble
			Units	ug/g
			Detection Limit	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584132-40		FF229F 0-2.5	Soil	2
584132-41		FF231F 0-2.5	Soil	2.6
584132-42		FF231F 2.5-5	Soil	2.1
584132-43		FF231F 10-15	Soil	3.5
584132-44		FF232F 0-2.5	Soil	1.4
584132-45		FF233B 0-2.5	Soil	1.1
584132-46		FF234F 0-2.5	Soil	1.0
584132-47		FF235F 0-2.5	Soil	2.5
584132-48		FF235B 0-2.5	Soil	19
584132-49		FF235G 0-5	Soil	0.8
584132-50		FF236F 0-2.5	Soil	3.5
584132-51		FF237F 0-2.5	Soil	0.8
584132-52		FF237B 0-2.5	Soil	4.7
584132-53		FF238F 0-2.5	Soil	2
584132-54		FF239F 0-2.5	Soil	4.1
584132-55		FF240F 0-2.5	Soil	2
584132-56		FF240S 0-5	Soil	<0.2
584132-57		FF241F 0-2.5	Soil	0.9
584132-58		FF242F 0-2.5	Soil	2.1
584132-59		FF243F 0-2.5	Soil	1.5
584132-60		FF244B 0-2.5	Soil	1.7
584132-61		FF245F 0-2.5	Soil	0.9
584132-62		FF246F 0-2.5	Soil	2.6
584132-63		FF247F 0-2.5	Soil	1.0
584132-64		FF248F 0-2.5	Soil	3.6
584132-65		FF248F 2.5-5	Soil	4.6
584132-66		FF248F 10-15	Soil	4.3
584132-67		FF233F 0-2.5	Soil	0.3
584132-68		FF249F 0-2.5	Soil	1.4
584132-69		FF249G 0-5	Soil	2.2
584132-70		FF249B 0-2.5	Soil	1.6
584132-71		FF250F 0-2.5	Soil	1.4
584132-72		FF251F 0-2.5	Soil	0.9
584132-73		FF252F 0-2.5	Soil	2
584132-74		FF253F 0-2.5	Soil	4.7
584132-75		FF254F 0-2.5	Soil	6.0
584132-76		FF255F 0-2.5	Soil	3.2
584132-77		FF256F 0-2.5	Soil	2.2
584132-78		FF256F 2.5-5	Soil	2

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Hot Water Soluble - Continued

			Analyte	Boron
			Description	Water Soluble
			Units	ug/g
			Detection Limit	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584132-79		FF256F 10-15	Soil	0.8
584132-80		FF258F 0-2.5	Soil	2.0
584132-81		FF258G 0-5	Soil	1.1
584132-82		FF259F 0-2.5	Soil	2
584132-83		FF259G 0-5	Soil	1.1
584132-84		FF260F 0-2.5	Soil	0.6
584132-85		FF260S 0-5	Soil	<0.2
584132-86		FF261F 0-2.5	Soil	0.6
584132-87		FF261G 0-5	Soil	3.3
584132-88		FF262F 0-2.5	Soil	2.5
584132-89		FF262B 0-2.5	Soil	4.3
584132-90		FF263F 0-2.5	Soil	4.6
584132-91		FF264F 0-2.5	Soil	0.6
584132-92		FF265F 0-2.5	Soil	0.8
584132-93		FF266F 0-2.5-	Soil	3.0
584132-94		FF267F 0-2.5	Soil	1.6
584132-95		FF268F 0-2.5	Soil	2
584132-96		FF268B 0-2.5	Soil	2.7
584132-97		FF269F 0-2.5	Soil	1.5
584132-98		FF270F 0-2.5	Soil	2
584132-99		FF271F 0-2.5	Soil	2.4
584132-100		FF272F 0-2.5	Soil	2.3
584132-101		FF273B 0-2.5	Soil	0.6
584132-102		FF274F 0-2.5	Soil	1.0
584132-103		FF275F 0-2.5	Soil	3.1
584132-104		FF276F 0-2.5	Soil	2.9
584132-105		FF277F 0-2.5	Soil	4.7
584132-106		FF278F 0-2.5	Soil	2.8
584132-107		FF279B 0-2.5	Soil	3.0

Metals Strong Acid Digestion

			Analyte	Mercury	Antimony	Arsenic
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.01	0.2	0.2
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-1		FF201F 0-2.5	Soil	45	0.4	18.9
584132-2		FF201B 0-2.5	Soil	43	<0.2	19.0

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Mercury	Antimony	Arsenic
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.01	0.2	0.2
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-3		FF202F 0-2.5	Soil	168	0.9	51.0
584132-4		FF202G 0-5	Soil	22	1.0	37.6
584132-5		FF203F 0-2.5	Soil	228	3.2	85.6
584132-6		FF203B 0-2.5	Soil	104	1.4	52.6
584132-7		FF204F 0-2.5	Soil	45	1.3	23.7
584132-8		FF205F 0-2.5	Soil	2.42	0.6	17.6
584132-9		FF205B 0-2.5	Soil	39	1.2	61.7
584132-10		FF206F 0-2.5	Soil	184	0.7	41.7
584132-11		FF206B 0-2.5	Soil	100	0.8	49.2
584132-12		FF207F 0-2.5	Soil	41	0.5	47.7
584132-13		FF208B 0-2.5	Soil	230	2.2	129
584132-14		FF209B 0-2.5	Soil	132	0.9	97.3
584132-15		FF209G 0-5	Soil	52	0.3	40.3
584132-16		FF210B 0-2.5	Soil	101	1.4	88.5
584132-17		FF211B 0-2.5	Soil	52	5.2	65.6
584132-18		FF212F 0-2.5	Soil	70	1.7	82.3
584132-19		FF213B 0-2.5	Soil	38	0.6	47.7
584132-20		FF214F 0-2.5	Soil	101	1.5	45.9
584132-21		FF215F 0-2.5	Soil	142	2.3	86.4
584132-22		FF215G 0-5	Soil	10	0.4	25.1
584132-23		FF216B 0-2.5	Soil	43	1.6	60.1
584132-24		FF217B 0-2.5	Soil	15	0.9	63.9
584132-25		FF218F 0-2.5	Soil	73	1.8	32.7
584132-26		FF218G 0-5	Soil	5	0.4	14.8
584132-27		FF219F 0-2.5	Soil	26	0.6	50.6
584132-28		FF219B 0-2.5	Soil	219	0.8	75.8
584132-29		FF220B 0-2.5	Soil	245	2.7	116
584132-30		FF221F 0-2.5	Soil	5	0.2	10.2
584132-31		FF222F 0-2.5	Soil	88	3.2	115
584132-32		FF223F 0-2.5	Soil	300	4.3	237
584132-33		FF223F 2.5-5	Soil	74	3.0	193
584132-34		FF223F 10-15	Soil	0.38	<0.2	11.3
584132-35		FF224F 0-2.5	Soil	72	2.1	89.0
584132-36		FF225B 0-2.5	Soil	90	1.3	77.9
584132-37		FF226F 0-2.5	Soil	73	2.4	61.5
584132-38		FF227F 0-2.5	Soil	501	2.4	71.6
584132-39		FF228F 0-2.5	Soil	290	1.5	89.0
584132-40		FF229F 0-2.5	Soil	320	3.6	66.7
584132-41		FF231F 0-2.5	Soil	520	4.8	128

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Mercury	Antimony	Arsenic
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.01	0.2	0.2
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-42		FF231F 2.5-5	Soil	535	4.2	124
584132-43		FF231F 10-15	Soil	2.16	0.6	50.3
584132-44		FF232F 0-2.5	Soil	25	1.1	33.9
584132-45		FF233B 0-2.5	Soil	39	0.4	19.6
584132-46		FF234F 0-2.5	Soil	84	1.4	45.5
584132-47		FF235F 0-2.5	Soil	99	1.0	55.8
584132-48		FF235B 0-2.5	Soil	370	1.6	169
584132-49		FF235G 0-5	Soil	8	<0.2	9.8
584132-50		FF236F 0-2.5	Soil	196	2.0	58.1
584132-51		FF237F 0-2.5	Soil	164	0.8	80.8
584132-52		FF237B 0-2.5	Soil	73	1.9	107
584132-53		FF238F 0-2.5	Soil	61	1.5	43.5
584132-54		FF239F 0-2.5	Soil	127	2.5	104
584132-55		FF240F 0-2.5	Soil	0.43	0.2	5.0
584132-56		FF240S 0-5	Soil	0.34	<0.2	2.9
584132-57		FF241F 0-2.5	Soil	18	0.5	34.0
584132-58		FF242F 0-2.5	Soil	40	1.4	29.8
584132-59		FF243F 0-2.5	Soil	12	0.4	21.5
584132-60		FF244B 0-2.5	Soil	123	1.6	86.9
584132-61		FF245F 0-2.5	Soil	45	1.1	37.7
584132-62		FF246F 0-2.5	Soil	75	2.3	79.4
584132-63		FF247F 0-2.5	Soil	4.1	0.4	17.2
584132-64		FF248F 0-2.5	Soil	61	1.9	68.3
584132-65		FF248F 2.5-5	Soil	10	1.1	57.5
584132-66		FF248F 10-15	Soil	0.59	0.5	35.8
584132-67		FF233F 0-2.5	Soil	0.19	<0.2	32.7
584132-68		FF249F 0-2.5	Soil	28	0.8	52.1
584132-69		FF249G 0-5	Soil	3.7	<0.2	16.0
584132-70		FF249B 0-2.5	Soil	17	0.7	26.8
584132-71		FF250F 0-2.5	Soil	31	0.8	36.3
584132-72		FF251F 0-2.5	Soil	29	1	38.4
584132-73		FF252F 0-2.5	Soil	63	2.3	70.2
584132-74		FF253F 0-2.5	Soil	76	1.6	36.3
584132-75		FF254F 0-2.5	Soil	22	3.0	142
584132-76		FF255F 0-2.5	Soil	0.28	1.5	112
584132-77		FF256F 0-2.5	Soil	0.02	0.6	25.6
584132-78		FF256F 2.5-5	Soil	1.4	0.4	15.5
584132-79		FF256F 10-15	Soil	11	0.4	46.2
584132-80		FF258F 0-2.5	Soil	42	1.8	139

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Mercury	Antimony	Arsenic
		Analyte		Mercury	Antimony	Arsenic
		Description		Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
		Units		ug/g	ug/g	ug/g
		Detection Limit		0.01	0.2	0.2
584132-81		FF258G 0-5	Soil	5.4	0.3	18.8
584132-82		FF259F 0-2.5	Soil	64	3.0	55.9
584132-83		FF259G 0-5	Soil	3.9	<0.2	16.0
584132-84		FF260F 0-2.5	Soil	4.9	0.4	18.2
584132-85		FF260S 0-5	Soil	0.2	<0.2	6.0
584132-86		FF261F 0-2.5	Soil	7.4	0.7	19.0
584132-87		FF261G 0-5	Soil	2.4	0.3	21.3
584132-88		FF262F 0-2.5	Soil	1.2	<0.2	14.9
584132-89		FF262B 0-2.5	Soil	32	1.5	79.8
584132-90		FF263F 0-2.5	Soil	84	3.8	96.5
584132-91		FF264F 0-2.5	Soil	3.9	0.3	22.7
584132-92		FF265F 0-2.5	Soil	3.6	<0.2	15.0
584132-93		FF266F 0-2.5-	Soil	76	2.0	62.4
584132-94		FF267F 0-2.5	Soil	31	2.9	23.4
584132-95		FF268F 0-2.5	Soil	19.2	1.4	44.0
584132-96		FF268B 0-2.5	Soil	113	3.2	65.5
584132-97		FF269F 0-2.5	Soil	9.3	<0.2	20.0
584132-98		FF270F 0-2.5	Soil	141	1.9	48.4
584132-99		FF271F 0-2.5	Soil	330	3.2	98.9
584132-100		FF272F 0-2.5	Soil	80	1.6	51.8
584132-101		FF273B 0-2.5	Soil	73	1.8	94.2
584132-102		FF274F 0-2.5	Soil	32	0.9	65.2
584132-103		FF275F 0-2.5	Soil	67	1.4	86.0
584132-104		FF276F 0-2.5	Soil	971	5.4	159
584132-105		FF277F 0-2.5	Soil	183	3.5	222
584132-106		FF278F 0-2.5	Soil	71	1.7	138
584132-107		FF279B 0-2.5	Soil	20	0.7	35.4

Reference Number	Date Sampled	Sample Information	Sample Matrix	Barium	Beryllium	Cadmium
		Analyte		Barium	Beryllium	Cadmium
		Description		Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
		Units		ug/g	ug/g	ug/g
		Detection Limit		1	0.1	0.01
584132-1		FF201F 0-2.5	Soil	95	0.3	7.22
584132-2		FF201B 0-2.5	Soil	190	0.8	5.33
584132-3		FF202F 0-2.5	Soil	144	0.4	26.4
584132-4		FF202G 0-5	Soil	203	0.2	11.1
584132-5		FF203F 0-2.5	Soil	139	0.2	33.5
584132-6		FF203B 0-2.5	Soil	81	0.3	15.9

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Barium	Beryllium	Cadmium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	1	0.1	0.01
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-7		FF204F 0-2.5	Soil	83	0.4	23.5
584132-8		FF205F 0-2.5	Soil	104	0.2	6.17
584132-9		FF205B 0-2.5	Soil	107	0.3	31.0
584132-10		FF206F 0-2.5	Soil	102	0.4	15.6
584132-11		FF206B 0-2.5	Soil	127	0.4	21.0
584132-12		FF207F 0-2.5	Soil	131	0.5	21.3
584132-13		FF208B 0-2.5	Soil	288	0.4	37.8
584132-14		FF209B 0-2.5	Soil	121	0.4	19.7
584132-15		FF209G 0-5	Soil	143	0.6	10.5
584132-16		FF210B 0-2.5	Soil	220	0.6	26.8
584132-17		FF211B 0-2.5	Soil	116	0.4	24.0
584132-18		FF212F 0-2.5	Soil	145	0.4	20.0
584132-19		FF213B 0-2.5	Soil	150	0.5	16.7
584132-20		FF214F 0-2.5	Soil	94	0.3	25.6
584132-21		FF215F 0-2.5	Soil	117	0.2	34.9
584132-22		FF215G 0-5	Soil	134	0.6	5.84
584132-23		FF216B 0-2.5	Soil	354	0.6	22.7
584132-24		FF217B 0-2.5	Soil	196	0.6	15.9
584132-25		FF218F 0-2.5	Soil	90	0.3	25.4
584132-26		FF218G 0-5	Soil	131	0.4	4.98
584132-27		FF219F 0-2.5	Soil	158	0.4	18.1
584132-28		FF219B 0-2.5	Soil	167	0.7	27.4
584132-29		FF220B 0-2.5	Soil	107	0.4	41.5
584132-30		FF221F 0-2.5	Soil	55	0.2	3.95
584132-31		FF222F 0-2.5	Soil	102	0.2	40.4
584132-32		FF223F 0-2.5	Soil	106	0.2	55.1
584132-33		FF223F 2.5-5	Soil	116	0.3	41.3
584132-34		FF223F 10-15	Soil	230	1.2	1.19
584132-35		FF224F 0-2.5	Soil	166	0.2	27.0
584132-36		FF225B 0-2.5	Soil	159	0.2	24.0
584132-37		FF226F 0-2.5	Soil	96	0.2	34.7
584132-38		FF227F 0-2.5	Soil	151	0.2	26.4
584132-39		FF228F 0-2.5	Soil	136	0.4	29.2
584132-40		FF229F 0-2.5	Soil	94	0.2	31.0
584132-41		FF231F 0-2.5	Soil	124	0.2	70.8
584132-42		FF231F 2.5-5	Soil	114	0.2	51.1
584132-43		FF231F 10-15	Soil	158	0.5	6.70
584132-44		FF232F 0-2.5	Soil	60	0.2	12.2
584132-45		FF233B 0-2.5	Soil	103	0.2	9.25

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Barium	Beryllium	Cadmium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	1	0.1	0.01
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-46		FF234F 0-2.5	Soil	156	0.4	23.1
584132-47		FF235F 0-2.5	Soil	71	0.2	17.2
584132-48		FF235B 0-2.5	Soil	1640	1.5	50.0
584132-49		FF235G 0-5	Soil	86	0.2	3.16
584132-50		FF236F 0-2.5	Soil	118	0.2	26.6
584132-51		FF237F 0-2.5	Soil	161	0.5	24.2
584132-52		FF237B 0-2.5	Soil	149	0.2	34.2
584132-53		FF238F 0-2.5	Soil	85	0.2	13.9
584132-54		FF239F 0-2.5	Soil	144	0.2	57.9
584132-55		FF240F 0-2.5	Soil	39	<0.1	1.32
584132-56		FF240S 0-5	Soil	27	0.1	0.86
584132-57		FF241F 0-2.5	Soil	152	0.4	10.4
584132-58		FF242F 0-2.5	Soil	89	0.2	24.6
584132-59		FF243F 0-2.5	Soil	114	0.4	8.58
584132-60		FF244B 0-2.5	Soil	136	0.3	31.8
584132-61		FF245F 0-2.5	Soil	112	0.3	18.3
584132-62		FF246F 0-2.5	Soil	129	0.3	44.4
584132-63		FF247F 0-2.5	Soil	76	0.2	9.26
584132-64		FF248F 0-2.5	Soil	95	0.4	31.5
584132-65		FF248F 2.5-5	Soil	118	0.4	17.0
584132-66		FF248F 10-15	Soil	329	0.5	12.6
584132-67		FF233F 0-2.5	Soil	90	0.3	1.68
584132-68		FF249F 0-2.5	Soil	144	0.4	19.6
584132-69		FF249G 0-5	Soil	100	0.3	3.94
584132-70		FF249B 0-2.5	Soil	101	0.3	16.8
584132-71		FF250F 0-2.5	Soil	116	0.3	13.9
584132-72		FF251F 0-2.5	Soil	98	0.3	16.9
584132-73		FF252F 0-2.5	Soil	132	0.3	32.3
584132-74		FF253F 0-2.5	Soil	95	0.1	35.2
584132-75		FF254F 0-2.5	Soil	126	0.2	46.7
584132-76		FF255F 0-2.5	Soil	85	0.2	20.9
584132-77		FF256F 0-2.5	Soil	87	0.2	12.3
584132-78		FF256F 2.5-5	Soil	75	0.2	4.60
584132-79		FF256F 10-15	Soil	113	0.5	9.50
584132-80		FF258F 0-2.5	Soil	125	0.3	35.1
584132-81		FF258G 0-5	Soil	116	0.4	5.45
584132-82		FF259F 0-2.5	Soil	199	0.3	20.6
584132-83		FF259G 0-5	Soil	158	0.6	3.79
584132-84		FF260F 0-2.5	Soil	54	0.1	7.77

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Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Barium	Beryllium	Cadmium
		Analyte		Barium	Beryllium	Cadmium
		Description		Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
		Units		ug/g	ug/g	ug/g
		Detection Limit		1	0.1	0.01
584132-85		FF260S 0-5	Soil	28	<0.1	0.91
584132-86		FF261F 0-2.5	Soil	61	0.2	8.08
584132-87		FF261G 0-5	Soil	111	0.4	4.89
584132-88		FF262F 0-2.5	Soil	139	0.5	3.16
584132-89		FF262B 0-2.5	Soil	196	0.1	24.0
584132-90		FF263F 0-2.5	Soil	82	0.1	46.4
584132-91		FF264F 0-2.5	Soil	77	0.2	8.19
584132-92		FF265F 0-2.5	Soil	124	0.4	5.24
584132-93		FF266F 0-2.5-	Soil	90	0.1	37.9
584132-94		FF267F 0-2.5	Soil	81	0.1	10.9
584132-95		FF268F 0-2.5	Soil	89	0.3	30.8
584132-96		FF268B 0-2.5	Soil	109	0.2	28.7
584132-97		FF269F 0-2.5	Soil	224	0.9	12.4
584132-98		FF270F 0-2.5	Soil	123	0.3	22.1
584132-99		FF271F 0-2.5	Soil	100	0.2	49.8
584132-100		FF272F 0-2.5	Soil	100	0.2	33.0
584132-101		FF273B 0-2.5	Soil	100	0.3	27.3
584132-102		FF274F 0-2.5	Soil	99	0.2	19.2
584132-103		FF275F 0-2.5	Soil	178	0.3	22.5
584132-104		FF276F 0-2.5	Soil	129	0.2	58.1
584132-105		FF277F 0-2.5	Soil	284	0.5	36.5
584132-106		FF278F 0-2.5	Soil	118	0.3	25.4
584132-107		FF279B 0-2.5	Soil	52	0.2	10.2

Reference Number	Date Sampled	Sample Information	Sample Matrix	Chromium	Cobalt	Copper
		Analyte		Chromium	Cobalt	Copper
		Description		Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
		Units		ug/g	ug/g	ug/g
		Detection Limit		0.5	0.1	1
584132-1		FF201F 0-2.5	Soil	19.9	5.9	640
584132-2		FF201B 0-2.5	Soil	22.8	8.6	600
584132-3		FF202F 0-2.5	Soil	25.3	10.6	3290
584132-4		FF202G 0-5	Soil	19.7	5.8	750
584132-5		FF203F 0-2.5	Soil	22.0	11.0	4140
584132-6		FF203B 0-2.5	Soil	23.5	9.4	1730
584132-7		FF204F 0-2.5	Soil	15.4	5.0	1920
584132-8		FF205F 0-2.5	Soil	10.8	4.6	820
584132-9		FF205B 0-2.5	Soil	26.0	9.4	3590
584132-10		FF206F 0-2.5	Soil	27.5	9.6	1880

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Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:	Darren Keam	Acct code:	
Company:	JW AXYS		

Lot ID:	**584132**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 9, 2007
Report Number:	1068894

Metals Strong Acid Digestion - Continued

			Analyte	Chromium	Cobalt	Copper
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.5	0.1	1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-11		FF206B 0-2.5	Soil	26.1	8.7	1610
584132-12		FF207F 0-2.5	Soil	38.7	11.0	1940
584132-13		FF208B 0-2.5	Soil	75.5	18.3	2850
584132-14		FF209B 0-2.5	Soil	31.3	12.8	1790
584132-15		FF209G 0-5	Soil	32.5	11.4	770
584132-16		FF210B 0-2.5	Soil	46.6	21.7	2120
584132-17		FF211B 0-2.5	Soil	32.4	9.8	2130
584132-18		FF212F 0-2.5	Soil	35.3	12.1	1520
584132-19		FF213B 0-2.5	Soil	44.2	12.6	1330
584132-20		FF214F 0-2.5	Soil	21.0	8.5	2470
584132-21		FF215F 0-2.5	Soil	35.5	13.6	3000
584132-22		FF215G 0-5	Soil	36.3	9.4	344
584132-23		FF216B 0-2.5	Soil	31.4	9.8	1610
584132-24		FF217B 0-2.5	Soil	40.6	12.4	960
584132-25		FF218F 0-2.5	Soil	38.7	8.2	2330
584132-26		FF218G 0-5	Soil	28.6	6.3	348
584132-27		FF219F 0-2.5	Soil	27.9	10.7	1220
584132-28		FF219B 0-2.5	Soil	23.8	14.0	2410
584132-29		FF220B 0-2.5	Soil	31.7	14.9	2440
584132-30		FF221F 0-2.5	Soil	17.9	4.7	335
584132-31		FF222F 0-2.5	Soil	19.6	15.8	3920
584132-32		FF223F 0-2.5	Soil	27.6	24.0	5260
584132-33		FF223F 2.5-5	Soil	35.2	21.9	1810
584132-34		FF223F 10-15	Soil	81.7	20.1	97
584132-35		FF224F 0-2.5	Soil	27.6	13.5	2350
584132-36		FF225B 0-2.5	Soil	66.2	12.6	1830
584132-37		FF226F 0-2.5	Soil	31.3	11.3	5360
584132-38		FF227F 0-2.5	Soil	38.5	10.7	2890
584132-39		FF228F 0-2.5	Soil	35.7	13.1	2670
584132-40		FF229F 0-2.5	Soil	39.7	10.6	2530
584132-41		FF231F 0-2.5	Soil	67.0	15.1	7810
584132-42		FF231F 2.5-5	Soil	36.2	13.2	3970
584132-43		FF231F 10-15	Soil	31.7	7.6	249
584132-44		FF232F 0-2.5	Soil	22.2	9.4	1290
584132-45		FF233B 0-2.5	Soil	17.3	6.7	930
584132-46		FF234F 0-2.5	Soil	43.9	12.2	2330
584132-47		FF235F 0-2.5	Soil	39.4	15.6	1680
584132-48		FF235B 0-2.5	Soil	30.7	18.2	3850
584132-49		FF235G 0-5	Soil	14.8	4.3	251

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Chromium	Cobalt	Copper
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.5	0.1	1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-50		FF236F 0-2.5	Soil	25.0	10.0	2470
584132-51		FF237F 0-2.5	Soil	64.6	22.7	2830
584132-52		FF237B 0-2.5	Soil	31.9	15.5	2400
584132-53		FF238F 0-2.5	Soil	21.0	8.0	1110
584132-54		FF239F 0-2.5	Soil	33.9	15.6	3770
584132-55		FF240F 0-2.5	Soil	12.5	2.8	72
584132-56		FF240S 0-5	Soil	11.8	2.8	71
584132-57		FF241F 0-2.5	Soil	30.7	11.3	70
584132-58		FF242F 0-2.5	Soil	28.7	7.3	2270
584132-59		FF243F 0-2.5	Soil	43.2	10.8	730
584132-60		FF244B 0-2.5	Soil	33.7	14.0	2240
584132-61		FF245F 0-2.5	Soil	40.2	10.7	1620
584132-62		FF246F 0-2.5	Soil	36.7	16.8	2990
584132-63		FF247F 0-2.5	Soil	18.3	5.9	580
584132-64		FF248F 0-2.5	Soil	32.3	13.9	2100
584132-65		FF248F 2.5-5	Soil	30.3	11.1	670
584132-66		FF248F 10-15	Soil	36.8	8.6	287
584132-67		FF233F 0-2.5	Soil	28.1	13.8	85
584132-68		FF249F 0-2.5	Soil	41.6	13.2	1330
584132-69		FF249G 0-5	Soil	24.4	6.4	293
584132-70		FF249B 0-2.5	Soil	30.0	7.5	1260
584132-71		FF250F 0-2.5	Soil	31.2	11.7	900
584132-72		FF251F 0-2.5	Soil	29.9	9.8	1140
584132-73		FF252F 0-2.5	Soil	26.2	14.8	2720
584132-74		FF253F 0-2.5	Soil	20.7	8.2	2730
584132-75		FF254F 0-2.5	Soil	45.7	19.8	2190
584132-76		FF255F 0-2.5	Soil	24.2	16.3	1380
584132-77		FF256F 0-2.5	Soil	22.2	6.8	760
584132-78		FF256F 2.5-5	Soil	26.3	5.4	302
584132-79		FF256F 10-15	Soil	45.9	12.8	416
584132-80		FF258F 0-2.5	Soil	36.2	16.6	2310
584132-81		FF258G 0-5	Soil	28.4	7.5	300
584132-82		FF259F 0-2.5	Soil	43.9	11.8	2000
584132-83		FF259G 0-5	Soil	50.8	11.6	184
584132-84		FF260F 0-2.5	Soil	19.8	6.3	530
584132-85		FF260S 0-5	Soil	11.3	2.3	88
584132-86		FF261F 0-2.5	Soil	18.7	5.3	550
584132-87		FF261G 0-5	Soil	36.5	8.6	254
584132-88		FF262F 0-2.5	Soil	24.2	7.0	159

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Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Chromium	Cobalt	Copper
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.5	0.1	1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-89		FF262B 0-2.5	Soil	27.1	14.2	1250
584132-90		FF263F 0-2.5	Soil	12.5	11.7	2970
584132-91		FF264F 0-2.5	Soil	29.6	7.5	580
584132-92		FF265F 0-2.5	Soil	32.0	9.2	335
584132-93		FF266F 0-2.5-	Soil	26.6	11.6	3310
584132-94		FF267F 0-2.5	Soil	24.0	6.9	980
584132-95		FF268F 0-2.5	Soil	40.3	9.9	2410
584132-96		FF268B 0-2.5	Soil	29.0	9.6	2750
584132-97		FF269F 0-2.5	Soil	95.3	20.2	690
584132-98		FF270F 0-2.5	Soil	22.5	9.6	2360
584132-99		FF271F 0-2.5	Soil	28.2	16.2	5530
584132-100		FF272F 0-2.5	Soil	22.7	10.6	3020
584132-101		FF273B 0-2.5	Soil	31.0	13.0	2270
584132-102		FF274F 0-2.5	Soil	31.7	10.8	1550
584132-103		FF275F 0-2.5	Soil	34.6	11.7	2820
584132-104		FF276F 0-2.5	Soil	38.7	15.4	5470
584132-105		FF277F 0-2.5	Soil	50.4	14.9	2940
584132-106		FF278F 0-2.5	Soil	42.2	20.5	2920
584132-107		FF279B 0-2.5	Soil	17.1	5.9	1130

			Analyte	Lead	Molybdenum	Nickel
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.1	1	0.5
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-1		FF201F 0-2.5	Soil	81.5	1	14.0
584132-2		FF201B 0-2.5	Soil	62.7	1	24.0
584132-3		FF202F 0-2.5	Soil	335	4	22.5
584132-4		FF202G 0-5	Soil	236	1	11.5
584132-5		FF203F 0-2.5	Soil	491	5	24.2
584132-6		FF203B 0-2.5	Soil	215	2	28.3
584132-7		FF204F 0-2.5	Soil	172	5	13.2
584132-8		FF205F 0-2.5	Soil	38.3	3	13.7
584132-9		FF205B 0-2.5	Soil	245	6	24.6
584132-10		FF206F 0-2.5	Soil	199	3	16.8
584132-11		FF206B 0-2.5	Soil	209	2	18.0
584132-12		FF207F 0-2.5	Soil	190	3	20.9
584132-13		FF208B 0-2.5	Soil	520	4	41.8
584132-14		FF209B 0-2.5	Soil	281	3	20.4

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Lead	Molybdenum	Nickel
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.1	1	0.5
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-15		FF209G 0-5	Soil	119	2	23.4
584132-16		FF210B 0-2.5	Soil	420	3	23.2
584132-17		FF211B 0-2.5	Soil	338	5	18.4
584132-18		FF212F 0-2.5	Soil	464	2	18.2
584132-19		FF213B 0-2.5	Soil	219	2	25.8
584132-20		FF214F 0-2.5	Soil	283	3	15.2
584132-21		FF215F 0-2.5	Soil	583	3	22.4
584132-22		FF215G 0-5	Soil	99.9	<1	21.3
584132-23		FF216B 0-2.5	Soil	355	2	19.9
584132-24		FF217B 0-2.5	Soil	224	2	26.0
584132-25		FF218F 0-2.5	Soil	312	5	20.3
584132-26		FF218G 0-5	Soil	78.4	1	18.2
584132-27		FF219F 0-2.5	Soil	210	2	20.2
584132-28		FF219B 0-2.5	Soil	402	2	20.8
584132-29		FF220B 0-2.5	Soil	497	2	24.6
584132-30		FF221F 0-2.5	Soil	41.7	<1	10.0
584132-31		FF222F 0-2.5	Soil	486	6	15.2
584132-32		FF223F 0-2.5	Soil	804	5	25.8
584132-33		FF223F 2.5-5	Soil	472	2	27.4
584132-34		FF223F 10-15	Soil	27.5	<1	50.8
584132-35		FF224F 0-2.5	Soil	284	3	16.6
584132-36		FF225B 0-2.5	Soil	274	2	27.4
584132-37		FF226F 0-2.5	Soil	451	9	15.0
584132-38		FF227F 0-2.5	Soil	483	4	19.7
584132-39		FF228F 0-2.5	Soil	390	3	22.0
584132-40		FF229F 0-2.5	Soil	353	4	20.5
584132-41		FF231F 0-2.5	Soil	819	9	22.8
584132-42		FF231F 2.5-5	Soil	599	4	21.8
584132-43		FF231F 10-15	Soil	81.0	2	27.0
584132-44		FF232F 0-2.5	Soil	121	2	14.4
584132-45		FF233B 0-2.5	Soil	148	1	13.1
584132-46		FF234F 0-2.5	Soil	332	3	27.2
584132-47		FF235F 0-2.5	Soil	226	2	27.1
584132-48		FF235B 0-2.5	Soil	746	7	39.7
584132-49		FF235G 0-5	Soil	37.1	<1	13.7
584132-50		FF236F 0-2.5	Soil	338	3	17.2
584132-51		FF237F 0-2.5	Soil	389	3	36.3
584132-52		FF237B 0-2.5	Soil	483	2	20.9
584132-53		FF238F 0-2.5	Soil	228	2	14.2

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Lead	Molybdenum	Nickel
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.1	1	0.5
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-54		FF239F 0-2.5	Soil	638	5	20.6
584132-55		FF240F 0-2.5	Soil	23.2	<1	9.0
584132-56		FF240S 0-5	Soil	6.2	<1	6.6
584132-57		FF241F 0-2.5	Soil	184	1	19.3
584132-58		FF242F 0-2.5	Soil	228	4	17.1
584132-59		FF243F 0-2.5	Soil	111	1	24.7
584132-60		FF244B 0-2.5	Soil	490	2	19.8
584132-61		FF245F 0-2.5	Soil	251	3	21.0
584132-62		FF246F 0-2.5	Soil	498	3	25.2
584132-63		FF247F 0-2.5	Soil	84.9	1	12.2
584132-64		FF248F 0-2.5	Soil	376	2	23.3
584132-65		FF248F 2.5-5	Soil	190	<1	22.8
584132-66		FF248F 10-15	Soil	154	<1	23.1
584132-67		FF233F 0-2.5	Soil	52.2	<1	16.1
584132-68		FF249F 0-2.5	Soil	287	2	27.0
584132-69		FF249G 0-5	Soil	64.6	<1	16.9
584132-70		FF249B 0-2.5	Soil	206	4	19.9
584132-71		FF250F 0-2.5	Soil	220	1	20.0
584132-72		FF251F 0-2.5	Soil	260	1	17.8
584132-73		FF252F 0-2.5	Soil	534	3	18.7
584132-74		FF253F 0-2.5	Soil	328	3	17.5
584132-75		FF254F 0-2.5	Soil	820	2	22.4
584132-76		FF255F 0-2.5	Soil	220	5	23.0
584132-77		FF256F 0-2.5	Soil	96.9	2	18.2
584132-78		FF256F 2.5-5	Soil	40.6	1	16.7
584132-79		FF256F 10-15	Soil	133	<1	26.7
584132-80		FF258F 0-2.5	Soil	476	2	24.6
584132-81		FF258G 0-5	Soil	92.4	<1	15.9
584132-82		FF259F 0-2.5	Soil	408	4	14.9
584132-83		FF259G 0-5	Soil	47.8	<1	30.2
584132-84		FF260F 0-2.5	Soil	77.6	1	12.1
584132-85		FF260S 0-5	Soil	12.0	<1	5.8
584132-86		FF261F 0-2.5	Soil	111	1	11.0
584132-87		FF261G 0-5	Soil	78.0	<1	18.9
584132-88		FF262F 0-2.5	Soil	25.4	<1	19.2
584132-89		FF262B 0-2.5	Soil	354	2	18.9
584132-90		FF263F 0-2.5	Soil	434	4	11.0
584132-91		FF264F 0-2.5	Soil	118	<1	18.2
584132-92		FF265F 0-2.5	Soil	63.9	<1	18.9

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Lead	Molybdenum	Nickel
Analyte				Lead	Molybdenum	Nickel
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.1	1	0.5
584132-93		FF266F 0-2.5-	Soil	418	5	15.5
584132-94		FF267F 0-2.5	Soil	250	1	14.1
584132-95		FF268F 0-2.5	Soil	256	4	18.2
584132-96		FF268B 0-2.5	Soil	449	3	14.6
584132-97		FF269F 0-2.5	Soil	102	1	55.2
584132-98		FF270F 0-2.5	Soil	296	3	16.7
584132-99		FF271F 0-2.5	Soil	726	4	19.8
584132-100		FF272F 0-2.5	Soil	388	3	17.3
584132-101		FF273B 0-2.5	Soil	398	2	20.4
584132-102		FF274F 0-2.5	Soil	262	1	17.1
584132-103		FF275F 0-2.5	Soil	308	4	23.1
584132-104		FF276F 0-2.5	Soil	750	4	28.6
584132-105		FF277F 0-2.5	Soil	640	3	33.1
584132-106		FF278F 0-2.5	Soil	461	3	25.4
584132-107		FF279B 0-2.5	Soil	138	2	11.0

Reference Number	Date Sampled	Sample Information	Sample Matrix	Selenium	Silver	Sulfur
Analyte				Selenium	Silver	Sulfur
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.3	0.1	300
584132-1		FF201F 0-2.5	Soil	10.2	0.6	1800
584132-2		FF201B 0-2.5	Soil	8.2	0.6	1900
584132-3		FF202F 0-2.5	Soil	41.6	2.8	5300
584132-4		FF202G 0-5	Soil	8.5	1.3	1600
584132-5		FF203F 0-2.5	Soil	59.7	3.8	4800
584132-6		FF203B 0-2.5	Soil	26.7	1.7	2100
584132-7		FF204F 0-2.5	Soil	13.4	1.2	5800
584132-8		FF205F 0-2.5	Soil	3.3	0.5	6500
584132-9		FF205B 0-2.5	Soil	19.1	2.5	6600
584132-10		FF206F 0-2.5	Soil	41.3	1.6	2700
584132-11		FF206B 0-2.5	Soil	32.4	1.6	2900
584132-12		FF207F 0-2.5	Soil	15.5	1.6	3800
584132-13		FF208B 0-2.5	Soil	52.8	2.9	4400
584132-14		FF209B 0-2.5	Soil	53.5	2.1	4200
584132-15		FF209G 0-5	Soil	14.0	1.0	2600
584132-16		FF210B 0-2.5	Soil	26.5	2.5	2800
584132-17		FF211B 0-2.5	Soil	17.2	2.1	4900
584132-18		FF212F 0-2.5	Soil	21.7	1.9	2500

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Selenium	Silver	Sulfur
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.3	0.1	300
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-19		FF213B 0-2.5	Soil	11.3	1.3	2100
584132-20		FF214F 0-2.5	Soil	33.3	2.1	4200
584132-21		FF215F 0-2.5	Soil	39.2	2.7	5300
584132-22		FF215G 0-5	Soil	4.4	0.5	600
584132-23		FF216B 0-2.5	Soil	15.7	2.0	2400
584132-24		FF217B 0-2.5	Soil	7.2	1.5	1700
584132-25		FF218F 0-2.5	Soil	27.8	2.1	3300
584132-26		FF218G 0-5	Soil	3.2	0.4	1600
584132-27		FF219F 0-2.5	Soil	9.9	1.2	1800
584132-28		FF219B 0-2.5	Soil	48.3	2.1	3100
584132-29		FF220B 0-2.5	Soil	75.1	2.5	6400
584132-30		FF221F 0-2.5	Soil	1.8	0.3	700
584132-31		FF222F 0-2.5	Soil	40.2	3.4	10200
584132-32		FF223F 0-2.5	Soil	97.3	4.6	13600
584132-33		FF223F 2.5-5	Soil	29.0	2.3	10100
584132-34		FF223F 10-15	Soil	0.6	0.4	<300
584132-35		FF224F 0-2.5	Soil	18.8	2.0	4200
584132-36		FF225B 0-2.5	Soil	28.4	1.7	3100
584132-37		FF226F 0-2.5	Soil	32.0	3.7	7700
584132-38		FF227F 0-2.5	Soil	116	2.7	3400
584132-39		FF228F 0-2.5	Soil	66.7	2.5	4300
584132-40		FF229F 0-2.5	Soil	75.9	2.6	4900
584132-41		FF231F 0-2.5	Soil	129	5.2	7800
584132-42		FF231F 2.5-5	Soil	124	3.4	5400
584132-43		FF231F 10-15	Soil	6.0	0.6	3200
584132-44		FF232F 0-2.5	Soil	7.6	1.3	2700
584132-45		FF233B 0-2.5	Soil	11.8	0.9	1200
584132-46		FF234F 0-2.5	Soil	26.2	1.8	2700
584132-47		FF235F 0-2.5	Soil	29.6	2.0	2200
584132-48		FF235B 0-2.5	Soil	98.1	3.8	7600
584132-49		FF235G 0-5	Soil	2.8	0.2	1200
584132-50		FF236F 0-2.5	Soil	48.8	2.0	3700
584132-51		FF237F 0-2.5	Soil	39.7	2.4	3400
584132-52		FF237B 0-2.5	Soil	27.6	2.4	5100
584132-53		FF238F 0-2.5	Soil	20.3	1.2	2200
584132-54		FF239F 0-2.5	Soil	43.3	3.5	7400
584132-55		FF240F 0-2.5	Soil	0.7	0.1	2100
584132-56		FF240S 0-5	Soil	<0.3	<0.1	<300
584132-57		FF241F 0-2.5	Soil	6.4	0.8	1400

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Selenium	Silver	Sulfur
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.3	0.1	300
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-58		FF242F 0-2.5	Soil	13.4	1.5	6200
584132-59		FF243F 0-2.5	Soil	4.9	0.7	1600
584132-60		FF244B 0-2.5	Soil	33.6	2.3	4100
584132-61		FF245F 0-2.5	Soil	17.8	1.5	2500
584132-62		FF246F 0-2.5	Soil	33.2	2.8	6200
584132-63		FF247F 0-2.5	Soil	3.2	0.5	2500
584132-64		FF248F 0-2.5	Soil	24.9	2.3	3600
584132-65		FF248F 2.5-5	Soil	6.1	0.9	2800
584132-66		FF248F 10-15	Soil	2.4	0.8	800
584132-67		FF233F 0-2.5	Soil	0.7	0.2	<300
584132-68		FF249F 0-2.5	Soil	12.1	2.1	2500
584132-69		FF249G 0-5	Soil	2.1	0.4	1000
584132-70		FF249B 0-2.5	Soil	8.5	1.1	1900
584132-71		FF250F 0-2.5	Soil	11.4	0.8	2200
584132-72		FF251F 0-2.5	Soil	12.4	1.3	1300
584132-73		FF252F 0-2.5	Soil	30.1	2.8	3400
584132-74		FF253F 0-2.5	Soil	29.5	2.2	5100
584132-75		FF254F 0-2.5	Soil	18.1	3.2	4800
584132-76		FF255F 0-2.5	Soil	7.0	1.3	6900
584132-77		FF256F 0-2.5	Soil	3.4	0.6	3900
584132-78		FF256F 2.5-5	Soil	1.7	0.3	2600
584132-79		FF256F 10-15	Soil	5.1	0.7	1000
584132-80		FF258F 0-2.5	Soil	30.5	2.7	4900
584132-81		FF258G 0-5	Soil	2.6	0.5	1200
584132-82		FF259F 0-2.5	Soil	25.3	2.3	3800
584132-83		FF259G 0-5	Soil	1.8	0.4	700
584132-84		FF260F 0-2.5	Soil	2.8	0.4	1200
584132-85		FF260S 0-5	Soil	0.3	<0.1	<300
584132-86		FF261F 0-2.5	Soil	4.8	0.6	2100
584132-87		FF261G 0-5	Soil	1.9	0.4	800
584132-88		FF262F 0-2.5	Soil	1.5	0.2	2200
584132-89		FF262B 0-2.5	Soil	14.6	1.7	3500
584132-90		FF263F 0-2.5	Soil	27.2	2.8	6200
584132-91		FF264F 0-2.5	Soil	2.5	0.5	1100
584132-92		FF265F 0-2.5	Soil	2.0	0.4	1200
584132-93		FF266F 0-2.5-	Soil	28.3	2.7	4900
584132-94		FF267F 0-2.5	Soil	8.4	0.8	1900
584132-95		FF268F 0-2.5	Soil	14.2	1.7	4200
584132-96		FF268B 0-2.5	Soil	39.1	2.5	4100

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Selenium	Silver	Sulfur
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.3	0.1	300
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-97		FF269F 0-2.5	Soil	3.5	0.7	1200
584132-98		FF270F 0-2.5	Soil	50.4	2.1	2400
584132-99		FF271F 0-2.5	Soil	95.2	4.1	8000
584132-100		FF272F 0-2.5	Soil	26.2	2.1	4400
584132-101		FF273B 0-2.5	Soil	28.1	2.2	2000
584132-102		FF274F 0-2.5	Soil	11.1	1.5	1800
584132-103		FF275F 0-2.5	Soil	25.1	2.3	4100
584132-104		FF276F 0-2.5	Soil	286	4.5	6700
584132-105		FF277F 0-2.5	Soil	65.7	3.7	6000
584132-106		FF278F 0-2.5	Soil	25.2	2.6	6600
584132-107		FF279B 0-2.5	Soil	6.8	1.0	3100

			Analyte	Thallium	Tin	Vanadium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.05	1	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-1		FF201F 0-2.5	Soil	0.18	1	23.1
584132-2		FF201B 0-2.5	Soil	0.25	<1	37.6
584132-3		FF202F 0-2.5	Soil	0.33	1	29.0
584132-4		FF202G 0-5	Soil	0.21	5	19.8
584132-5		FF203F 0-2.5	Soil	0.37	1	21.4
584132-6		FF203B 0-2.5	Soil	0.20	2	25.4
584132-7		FF204F 0-2.5	Soil	0.19	1	16.4
584132-8		FF205F 0-2.5	Soil	0.10	2	15.8
584132-9		FF205B 0-2.5	Soil	0.30	1	30.4
584132-10		FF206F 0-2.5	Soil	0.29	1	28.7
584132-11		FF206B 0-2.5	Soil	0.32	1	25.1
584132-12		FF207F 0-2.5	Soil	0.32	1	35.8
584132-13		FF208B 0-2.5	Soil	0.58	3	41.5
584132-14		FF209B 0-2.5	Soil	0.37	2	32.2
584132-15		FF209G 0-5	Soil	0.32	1	45.9
584132-16		FF210B 0-2.5	Soil	0.56	2	49.7
584132-17		FF211B 0-2.5	Soil	0.39	3	41.8
584132-18		FF212F 0-2.5	Soil	0.37	2	28.6
584132-19		FF213B 0-2.5	Soil	0.34	2	40.9
584132-20		FF214F 0-2.5	Soil	0.29	2	20.3
584132-21		FF215F 0-2.5	Soil	0.42	2	34.3
584132-22		FF215G 0-5	Soil	0.25	2	37.6

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Thallium	Tin	Vanadium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.05	1	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-23		FF216B 0-2.5	Soil	0.41	1	29.2
584132-24		FF217B 0-2.5	Soil	0.44	2	40.1
584132-25		FF218F 0-2.5	Soil	0.29	1	33.2
584132-26		FF218G 0-5	Soil	0.18	2	29.3
584132-27		FF219F 0-2.5	Soil	0.31	2	32.1
584132-28		FF219B 0-2.5	Soil	0.40	2	43.8
584132-29		FF220B 0-2.5	Soil	0.53	2	29.1
584132-30		FF221F 0-2.5	Soil	0.10	2	17.9
584132-31		FF222F 0-2.5	Soil	0.50	2	19.9
584132-32		FF223F 0-2.5	Soil	0.74	3	26.6
584132-33		FF223F 2.5-5	Soil	0.61	2	36.0
584132-34		FF223F 10-15	Soil	0.44	2	86.2
584132-35		FF224F 0-2.5	Soil	0.41	2	28.6
584132-36		FF225B 0-2.5	Soil	0.33	2	30.4
584132-37		FF226F 0-2.5	Soil	0.40	2	31.1
584132-38		FF227F 0-2.5	Soil	0.39	2	26.2
584132-39		FF228F 0-2.5	Soil	0.49	2	34.2
584132-40		FF229F 0-2.5	Soil	0.41	2	40.3
584132-41		FF231F 0-2.5	Soil	0.62	2	24.7
584132-42		FF231F 2.5-5	Soil	0.55	2	26.1
584132-43		FF231F 10-15	Soil	0.28	2	39.2
584132-44		FF232F 0-2.5	Soil	0.18	2	28.6
584132-45		FF233B 0-2.5	Soil	0.14	2	17.0
584132-46		FF234F 0-2.5	Soil	0.39	20	39.8
584132-47		FF235F 0-2.5	Soil	0.22	3	39.0
584132-48		FF235B 0-2.5	Soil	0.60	6	36.4
584132-49		FF235G 0-5	Soil	0.09	3	17.7
584132-50		FF236F 0-2.5	Soil	0.35	2	20.5
584132-51		FF237F 0-2.5	Soil	0.50	3	62.6
584132-52		FF237B 0-2.5	Soil	0.42	2	30.9
584132-53		FF238F 0-2.5	Soil	0.24	2	21.1
584132-54		FF239F 0-2.5	Soil	0.61	2	29.4
584132-55		FF240F 0-2.5	Soil	0.06	2	13.3
584132-56		FF240S 0-5	Soil	<0.05	2	13.3
584132-57		FF241F 0-2.5	Soil	0.25	2	45.1
584132-58		FF242F 0-2.5	Soil	0.24	2	23.7
584132-59		FF243F 0-2.5	Soil	0.25	2	46.3
584132-60		FF244B 0-2.5	Soil	0.47	2	33.3
584132-61		FF245F 0-2.5	Soil	0.28	2	35.7

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Thallium	Tin	Vanadium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.05	1	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584132-62		FF246F 0-2.5	Soil	0.56	2	33.2
584132-63		FF247F 0-2.5	Soil	0.17	1	21.8
584132-64		FF248F 0-2.5	Soil	0.48	1	33.4
584132-65		FF248F 2.5-5	Soil	0.32	1	33.6
584132-66		FF248F 10-15	Soil	0.33	3	37.4
584132-67		FF233F 0-2.5	Soil	0.19	1	34.7
584132-68		FF249F 0-2.5	Soil	0.42	1	41.1
584132-69		FF249G 0-5	Soil	0.16	1	28.9
584132-70		FF249B 0-2.5	Soil	0.18	1	22.7
584132-71		FF250F 0-2.5	Soil	0.24	<1	34.0
584132-72		FF251F 0-2.5	Soil	0.34	1	29.0
584132-73		FF252F 0-2.5	Soil	0.48	1	26.4
584132-74		FF253F 0-2.5	Soil	0.32	1	19.6
584132-75		FF254F 0-2.5	Soil	0.69	1	23.9
584132-76		FF255F 0-2.5	Soil	0.35	2	40.8
584132-77		FF256F 0-2.5	Soil	0.17	1	21.1
584132-78		FF256F 2.5-5	Soil	0.14	2	23.6
584132-79		FF256F 10-15	Soil	0.31	1	46.3
584132-80		FF258F 0-2.5	Soil	0.54	1	36.4
584132-81		FF258G 0-5	Soil	0.22	1	28.8
584132-82		FF259F 0-2.5	Soil	0.33	<1	30.4
584132-83		FF259G 0-5	Soil	0.29	2	52.7
584132-84		FF260F 0-2.5	Soil	0.13	1	21.1
584132-85		FF260S 0-5	Soil	0.05	2	10.9
584132-86		FF261F 0-2.5	Soil	0.14	1	17.3
584132-87		FF261G 0-5	Soil	0.21	1	37.8
584132-88		FF262F 0-2.5	Soil	0.20	<1	28.9
584132-89		FF262B 0-2.5	Soil	0.46	4	38.1
584132-90		FF263F 0-2.5	Soil	0.41	1	13.2
584132-91		FF264F 0-2.5	Soil	0.18	2	28.1
584132-92		FF265F 0-2.5	Soil	0.23	1	34.5
584132-93		FF266F 0-2.5-	Soil	0.38	1	21.3
584132-94		FF267F 0-2.5	Soil	0.17	1	20.4
584132-95		FF268F 0-2.5	Soil	0.36	1	36.0
584132-96		FF268B 0-2.5	Soil	0.42	1	24.6
584132-97		FF269F 0-2.5	Soil	0.52	2	90.6
584132-98		FF270F 0-2.5	Soil	0.34	1	22.4
584132-99		FF271F 0-2.5	Soil	0.54	1	22.8
584132-100		FF272F 0-2.5	Soil	0.39	1	24.8

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Thallium Strong Acid Extractable ug/g 0.05	Tin Strong Acid Extractable ug/g 1	Vanadium Strong Acid Extractable ug/g 0.1
584132-101		FF273B 0-2.5	Soil	0.50	2	35.4
584132-102		FF274F 0-2.5	Soil	0.37	2	34.0
584132-103		FF275F 0-2.5	Soil	0.43	2	38.9
584132-104		FF276F 0-2.5	Soil	0.70	1	23.4
584132-105		FF277F 0-2.5	Soil	0.86	2	37.1
584132-106		FF278F 0-2.5	Soil	0.58	2	40.2
584132-107		FF279B 0-2.5	Soil	0.19	1	16.0

Reference Number	Date Sampled	Sample Information	Sample Matrix	Zinc Strong Acid Extractable ug/g 1
584132-1		FF201F 0-2.5	Soil	1280
584132-2		FF201B 0-2.5	Soil	805
584132-3		FF202F 0-2.5	Soil	4010
584132-4		FF202G 0-5	Soil	3080
584132-5		FF203F 0-2.5	Soil	7440
584132-6		FF203B 0-2.5	Soil	3870
584132-7		FF204F 0-2.5	Soil	2010
584132-8		FF205F 0-2.5	Soil	742
584132-9		FF205B 0-2.5	Soil	4540
584132-10		FF206F 0-2.5	Soil	3270
584132-11		FF206B 0-2.5	Soil	4410
584132-12		FF207F 0-2.5	Soil	2850
584132-13		FF208B 0-2.5	Soil	9630
584132-14		FF209B 0-2.5	Soil	4350
584132-15		FF209G 0-5	Soil	2230
584132-16		FF210B 0-2.5	Soil	4260
584132-17		FF211B 0-2.5	Soil	2290
584132-18		FF212F 0-2.5	Soil	5030
584132-19		FF213B 0-2.5	Soil	2940
584132-20		FF214F 0-2.5	Soil	3510
584132-21		FF215F 0-2.5	Soil	7310
584132-22		FF215G 0-5	Soil	1390
584132-23		FF216B 0-2.5	Soil	4680
584132-24		FF217B 0-2.5	Soil	3710
584132-25		FF218F 0-2.5	Soil	2880
584132-26		FF218G 0-5	Soil	836

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Zinc
			Description	Strong Acid Extractable
			Units	ug/g
			Detection Limit	1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584132-27		FF219F 0-2.5	Soil	3690
584132-28		FF219B 0-2.5	Soil	5060
584132-29		FF220B 0-2.5	Soil	12600
584132-30		FF221F 0-2.5	Soil	484
584132-31		FF222F 0-2.5	Soil	7490
584132-32		FF223F 0-2.5	Soil	14100
584132-33		FF223F 2.5-5	Soil	21200
584132-34		FF223F 10-15	Soil	414
584132-35		FF224F 0-2.5	Soil	5140
584132-36		FF225B 0-2.5	Soil	4520
584132-37		FF226F 0-2.5	Soil	3630
584132-38		FF227F 0-2.5	Soil	3310
584132-39		FF228F 0-2.5	Soil	6020
584132-40		FF229F 0-2.5	Soil	4550
584132-41		FF231F 0-2.5	Soil	12700
584132-42		FF231F 2.5-5	Soil	14900
584132-43		FF231F 10-15	Soil	1880
584132-44		FF232F 0-2.5	Soil	1520
584132-45		FF233B 0-2.5	Soil	1550
584132-46		FF234F 0-2.5	Soil	4220
584132-47		FF235F 0-2.5	Soil	3520
584132-48		FF235B 0-2.5	Soil	14800
584132-49		FF235G 0-5	Soil	542
584132-50		FF236F 0-2.5	Soil	4980
584132-51		FF237F 0-2.5	Soil	5890
584132-52		FF237B 0-2.5	Soil	8640
584132-53		FF238F 0-2.5	Soil	2960
584132-54		FF239F 0-2.5	Soil	8780
584132-55		FF240F 0-2.5	Soil	182
584132-56		FF240S 0-5	Soil	64
584132-57		FF241F 0-2.5	Soil	2030
584132-58		FF242F 0-2.5	Soil	1570
584132-59		FF243F 0-2.5	Soil	1050
584132-60		FF244B 0-2.5	Soil	11600
584132-61		FF245F 0-2.5	Soil	2050
584132-62		FF246F 0-2.5	Soil	8320
584132-63		FF247F 0-2.5	Soil	1000
584132-64		FF248F 0-2.5	Soil	8990
584132-65		FF248F 2.5-5	Soil	7440

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584132**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 9, 2007
	R3M 0S1	LSD:		Report Number:	1068894
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:	Darren Keam	Acct code:			
Company:	JW AXYS				

Metals Strong Acid Digestion - Continued

			Analyte	Zinc
			Description	Strong Acid Extractable
			Units	ug/g
			Detection Limit	1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584132-66		FF248F 10-15	Soil	1700
584132-67		FF233F 0-2.5	Soil	390
584132-68		FF249F 0-2.5	Soil	5980
584132-69		FF249G 0-5	Soil	738
584132-70		FF249B 0-2.5	Soil	2040
584132-71		FF250F 0-2.5	Soil	4900
584132-72		FF251F 0-2.5	Soil	4210
584132-73		FF252F 0-2.5	Soil	9530
584132-74		FF253F 0-2.5	Soil	4720
584132-75		FF254F 0-2.5	Soil	9310
584132-76		FF255F 0-2.5	Soil	1930
584132-77		FF256F 0-2.5	Soil	887
584132-78		FF256F 2.5-5	Soil	573
584132-79		FF256F 10-15	Soil	3680
584132-80		FF258F 0-2.5	Soil	7210
584132-81		FF258G 0-5	Soil	1220
584132-82		FF259F 0-2.5	Soil	2230
584132-83		FF259G 0-5	Soil	905
584132-84		FF260F 0-2.5	Soil	738
584132-85		FF260S 0-5	Soil	52
584132-86		FF261F 0-2.5	Soil	1090
584132-87		FF261G 0-5	Soil	1030
584132-88		FF262F 0-2.5	Soil	268
584132-89		FF262B 0-2.5	Soil	6440
584132-90		FF263F 0-2.5	Soil	6060
584132-91		FF264F 0-2.5	Soil	921
584132-92		FF265F 0-2.5	Soil	799
584132-93		FF266F 0-2.5-	Soil	3810
584132-94		FF267F 0-2.5	Soil	1660
584132-95		FF268F 0-2.5	Soil	2440
584132-96		FF268B 0-2.5	Soil	3950
584132-97		FF269F 0-2.5	Soil	1040
584132-98		FF270F 0-2.5	Soil	3120
584132-99		FF271F 0-2.5	Soil	9220
584132-100		FF272F 0-2.5	Soil	4340
584132-101		FF273B 0-2.5	Soil	6500
584132-102		FF274F 0-2.5	Soil	4100
584132-103		FF275F 0-2.5	Soil	5790
584132-104		FF276F 0-2.5	Soil	14800

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:	Darren Keam	Acct code:	
Company:	JW AXYS		

Lot ID:	**584132**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 9, 2007
Report Number:	1068894

Metals Strong Acid Digestion - Continued

			Analyte	Zinc
			Description	Strong Acid Extractable
			Units	ug/g
			Detection Limit	1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584132-105		FF277F 0-2.5	Soil	14200
584132-106		FF278F 0-2.5	Soil	5670
584132-107		FF279B 0-2.5	Soil	1480

Approved by: L. Cross

Laura Cross, B.Sc. P.Ag
Operations Manager

Bodycote TESTING GROUP

Methodology and Notes

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:	Darren Keam	Acct code:	
Company:	JW AXYS		

Lot ID:	**584132**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 9, 2007
Report Number:	1068894

Method of Analysis

Method Name	Reference		Method	Date Analysis Started	Location
Boron in general soil	McKeague	*	Hot Water Soluble Boron - Azomethine -H Method, 4.61	04-Nov-07	BTG Edmonton
Mercury (Hot Block) in Soil	US EPA	*	Determination of Hg in Sediment by Cold Vapor Atomic Absorption Spec, 245.5	05-Nov-07	BTG Edmonton
Metals ICP-MS (Hot Block) in soil	SW-846	*	Acid Digestion of Sediments, Sludges, and Soils, EPA 3050B	02-Nov-07	BTG Edmonton
Metals ICP-MS (Hot Block) in soil	SW-846	*	Acid Digestion of Sediments, Sludges, and Soils, EPA 3050B	05-Nov-07	BTG Edmonton

** Bodycote method(s) based on reference method*

References

McKeague	Manual on Soil Sampling and Methods of Analysis
SW-846	Test Methods for Evaluating Solid Waste
US EPA	US Environmental Protection Agency Test Methods

Comments:

584348

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		
Address:		QA/QC Report ☐	Address:		Mail invoice to this address for approval ☐
	103-611 Corydon Winnipeg, MB, CAN R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail ☒	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service ☒	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH – Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:

Received by: AB	Sample Temp.
Waybill #:	Date 10/30/07
Company	Time

Special Instructions / Comments

1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for HUMAN CONSUMPTION

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TMH	MTS	Enter tests above (✓ relevant samples below)
1	FF301F 0-2.5				Soil	Comp			
2	FF301G 0-5								
3	FF302F 0-2.5								
4	FF302B 0-2.5								
5	FF302S 0-5								
6	FF303F 0-2.5								
7	FF303B 0-2.5								
8	FF303G 0-5								
9	FF304F 0-2.5								
10	FF304B 0-2.5								
11	FF305F 0-2.5								
12	FF305B 0-2.5								
13	FF306B 0-2.5								
14	FF306S 0-5								
15	FF307F 0-2.5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

✓

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:		**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.	Company:		Mail invoice to this address for approval ☐
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	Address:		
	Report Result:		Report Result:	
Attention:	Darren Keam	Attention:		
Phone:	(204) 475-9966	Phone:		
Fax:	(204) 284-4795	Fax:		
Cell:	(204) 795-7563	Cell:		
e-mail:	dkeam@axys.net	e-mail:		
	Fax ☐ Mail ☐ Courier ☐ e-mail ☒ e-Service ☒		Fax ☐ Mail ☐ Courier ☐ e-mail ☐ e-Service ☐	

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:
Received by: Sample Temp.
Waybill #: Date 30/10/07
Company Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for HUMAN CONSUMPTION

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: DUP	MTS	Enter tests above (✓ relevant samples below)
1	FF307B 0-2.5				Soil	Comp			
2	FF308 B 0-2.5								
3	~~FF308 B 2.5-5~~								
4	FF308 B 10-15								
5	~~FF309 F 0-2.5~~								
6	FF 309B 0-2.5								
7	FF 310 F 0-2.5								
8	FF 310 B 0-2.5								
9	~~FF 311 F 0-2.5 (2)~~								
10	FF 311 F 2.5-5								
11	FF 311 F 10-15								
12	FF 311 ~~B~~ 0-5 (3)								
13	FF 312 F 0-2.5								
14	FF 312 B 0-2.5								
15	FF 313 F 0-2.5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report ☐	Address:		address for approval ☐
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID:	1032002.01
Project Name:	HBMS_Soil_Sampling
Project Location:	FlinFlon,MB
Legal Location:	
PO#:	1032002.01_Z9100
Proj. Acct. Code:	
Agreement ID:	80477

RUSH – Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐

Date Required: _____

Signature: _____

Bodycote Authorization: _____

Sample Custody (Please Print)

Sampled by: Darren Keam

Company JW AXYS Signature

I authorize Bodycote Norwest to proceed with the work work indicated on this form:

Date: 26-Oct-07 Initial:

Received by: AB	Sample Temp.
Waybill #:	Date 30/10/07
Company	Time

Special Instructions / Comments

1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY

Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: BTEX	MTS	Enter tests above (✓ relevant samples below)
1	~~FF 313B 0-2.5~~				Soil	Comp			
2	FF 314F 0-2.5								
3	FF 314B 0-2.5								
4	FF 314G 0-5								
5	FF 315F 0-2.5								
6	FF 315B 0-2.5								
7	FF 315G 0-5								
8	FF 316F 0-2.5 (B)								
9	FF 317F 0-2.5								
10	FF 317S 0-5 (SB) →313B								
11	FF317G 0-5								
12	FF318F 0-2.5								
13	FF 318B 0-2.5								
14	FF 319F 0-2.5								
15	FF 319B 0-2.5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:		QA/QC Report ☐	Address:		address for approval ☐
	103-611 Corydon				
	Winnipeg, MB, CAN				
	R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:
Received by: AP Sample Temp.
Waybill #: Date 30/10/07
Company Time

Special Instructions / Comments

1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for HUMAN CONSUMPTION

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TMS	MTS	Enter tests above (✓ relevant samples below)
1	FF320F 0-2.5				Soil	Comp			
2	FF320B 0-2.5								
3	FF321F 0-2.5								
4	FF322F 0-2.5								
5	FF322B 0-2.5								
6	FF323F 0-2.5								
7	FF323F 2.5-5								
8	FF323F 10-15								
9	FF323B 0-2.5								
10	FF323B 2.5-5								
11	FF323B 10-15								
X12	FF324F 0-2.5 (G)								
13	FF324B 0-2.5								
X14	FF325F 0-2.5								
15	FF325B 0-2.5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report ☐	Address:		address for approval ☐
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH – Please contact the laboratory to confirm turn around times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:
Received by: _____ Sample Temp.
Waybill #: _____ Date 30/10/07
Company _____ Time

Special Instructions / Comments

1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TPH44	MTS	Enter tests above (✓ relevant samples below)
1	FF326F 0-2.5				Soil	Comp			
2	FF326B 0-2.5								
3	FF327F 0-2.5								
4	FF327B 0-2.5								
5	FF328F 0-2.5								
6	FF329F 0-2.5								
7	FF329B 0-2.5								
8	FF330F 0-2.5								
9	FF330B 0-2.5								
10	FF331F 0-2.5								
11	FF332F 0-2.5								
12	FF332B 0-2.5								
13	FF333F 0-2.5 FG								
14	~~FF333B 0-2.5~~								
15	FF334F 0-2.5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:		QA/QC Report ☐	Address:		address for approval ☐
	103-611 Corydon				
	Winnipeg, MB, CAN				
	R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID:	1032002.01
Project Name:	HBMS_Soil_Sampling
Project Location:	FlinFlon,MB
Legal Location:	
PO#:	1032002.01_Z9100
Proj. Acct. Code:	
Agreement ID:	80477

RUSH – Please contact the laboratory first to confirm rush dates and times before Submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐

Date Required: _____

Signature: _____

Bodycote Authorization: _____

Sample Custody (Please Print)

Sampled by: Darren Keam

Company JW AXYS Signature

I authorize Bodycote Norwest to proceed with the work work indicated on this form:

Date: 26-Oct-07 Initial:

Received by:	Sample Temp.
Waybill #:	Date 26/10/07
Company	Time

Special Instructions / Comments

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4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY

Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for HUMAN CONSUMPTION

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TT44	MTS	Enter tests above (✓ relevant samples below)
1	FF 335F 0-2.5	336F			Soil	Comp			
2	FF 336B 0-2.5								
3	FF 336G 0-5								
4	FF 337S 0-5								
5	FF 338F 0-2.5								
6	FF 338F 2.5-5								
7	FF 338F 10-15								
8	FF 339F 0-2.5								
9	FF 340F 0-2.5								
10	FF 341F 0-2.5								
11	FF 341B 0-2.5								
12	FF 342F 0-2.5								
13	FF 343G 0-5								
14	FF 343F 0-2.5 +B	Maybe more FF343 *							
15	FF 344F 0-2.5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
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Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this address for approval ☐
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report ☐	Address:		
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID:	1032002.01
Project Name:	HBMS_Soil_Sampling
Project Location:	FlinFlon,MB
Legal Location:	
PO#:	1032002.01_Z9100
Proj. Acct. Code:	
Agreement ID:	80477

RUSH Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐

Date Required: _____

Signature: _____

Bodycote Authorization: _____

Sample Custody (Please Print)

Sampled by: Darren Keam

Company JW AXYS Signature

I authorize Bodycote Norwest to proceed with the work work indicated on this form:

Date: 26-Oct-07 Initial:

Received by:	Sample Temp.
Waybill #:	Date 30/10/07
Company	Time

Special Instructions / Comments

1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
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4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY

Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TL44	MTS	Enter tests above (✓ relevant samples below)
1	FF344B 0-2.5				Soil	Comp			
2	FF344G 0-5								
3	FF345F 0-2.5								
4	FF346F 0-2.5								
5	FF347F 0-2.5								
6	FF347G 0-5								
7	FF348F 0-2.5								
8	FF348F 2.5-5								
9	FF348F 10-15								
10	FF349F 0-2.5								
11	FF349G 0-5								
12	FF350F 0-2.5								
13	FF350B 0-2.5								
14	FF351F 0-2.5								
15	FF351B 0-2.5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
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Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:		QA/QC Report ☐	Address:		address for approval ☐
	103-611 Corydon Winnipeg, MB, CAN R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH – Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature

I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:

Received by:	Sample Temp.
Waybill #:	Date 30/10/07
Company	Time

Special Instructions / Comments

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Please indicate which regulations you are required to meet: _____

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Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN	Depth CM	Depth M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TH44	MTS	Enter tests above (✓ relevant samples below)
1	FF351G 0-5						Soil	Comp			
2	~~FF352F 0-2.5~~										
3	FF352B 0-2.5										
4	~~FF352G 0-5~~										
5	FF353F 0-2.5										
6	FF353B 0-2.5										
7	~~FF354F 0-2.5 (2)~~										
8	~~FF354B 0-2.5~~ - 354G 0-5										
9	FF355F 0-2.5										
10	FF355B 0-2.5										
11	FF356F 0-2.5										
12	FF356B 0-2.5										
13	FF357F 0-2.5 + (G) 0-5										
14	FF357S 0-5										
15	FF358G 0-5										

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

16 358F 0-2.5

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report ☐	Address:		Mail invoice to this address for approval ☐
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID:	1032002.01
Project Name:	HBMS_Soil_Sampling
Project Location:	FlinFlon,MB
Legal Location:	
PO#:	1032002.01_Z9100
Proj. Acct. Code:	
Agreement ID:	80477

RUSH – Please contact the laboratory to confirm rush dates and times before Submitting samples

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Signature: _____

Bodycote Authorization: _____

Sample Custody (Please Print)

Sampled by: Darren Keam

Company JW AXYS Signature

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☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers TOTAL	MTS	Enter tests above (✓ relevant samples below)
1	FF 359 F 0-2.5				Soil	Comp			
2	FF 359 B 0-2.5, 2.5-5								
3	FF 359 G 0-5								
4	FF 360 F 0-2.5 – 360B 0-2.5								
5	FF 361 F 0-2.5								
~~6~~	~~FF 362 F 0-2.5~~								
7	FF 363 F 0-2.5								
8	FF 363 F 2.5-5								
9	FF 363 F 10-15								
10	FF 363 B 0-2.5								
11	FF 363 B 2.5-5								
12	FF 363 B 10-15 – 363G 0-5								
13	FF 364 F 0-2.5								
14	FF 365 F 0-2.5								
15	FF 365 B 0-2.5				~	~			

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

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Company:	Jacques Whitford AXYS Ltd.		Company:		Mail invoice to this
Address:		QA/QC Report ☐	Address:		address for approval ☐
	103-611 Corydon				
	Winnipeg, MB, CAN				
	R3M 0S1				
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH – Please contact the laboratory to confirm rush dates and times before submitting samples

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RUSH required on: All Analysis ☐ or As indicated ☐

Date Required: _____

Signature: _____

Bodycote Authorization: _____

Sample Custody (Please Print)

Sampled by: Darren Keam

Company JW AXYS Signature

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Date: 26-Oct-07 Initial:

Received by:	Sample Temp.
Waybill #:	Date 30/10/07
Company	Time

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Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for HUMAN CONSUMPTION

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TH42 MTS	Enter tests above (✓ relevant samples below)
1	FF365S 0-5				Soil	Comp	–	
2	FF365G 0-5				1	1	–	
3	FF366G 0-5						–	
4	FF366B 0-2.5							
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Report Transmission Cover Page

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Approval Status:	Approved
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Invoice Frequency:	by Lot
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	COD Status:	
	R3M 0S1	LSD:		Control Number:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100	Date Received:	Oct 31, 2007
Sampled By:		Acct code:		Date Reported:	Nov 13, 2007
Company:				Report Number:	1073817

Contact	Company	Address
Jim Hicks	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: jhicks@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
David Whetter	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dwhetter@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
Darren Keam	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dkeam@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

_____ PAGES IN THIS TRANSMISSION

Notes To Clients:

Reports associated with this Lot

Id/Format/Report Date	Id/Format/Report Date	Id/Format/Report Date
1069316 Env2 3 Smp & DL 10-Nov-07		

Bodycote TESTING GROUP

Sample Custody

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584348**
Control Number:	
Date Received:	Oct 31, 2007
Date Reported:	Nov 13, 2007
Report Number:	1073817

Sample Disposal Date: December 10, 2007

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the bottom of this page.

☐ Extend Sample Storage Until _____ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	$ 10.00
Storage for 6 to 20 samples per month	$ 15.00
Storage for 21 to 50 samples per month	$ 30.00
Storage for 51 to 200 samples per month	$ 60.00
Storage for more than 200 samples per month	$ 110.00

☐ Return Sample, collect, to the address below via:

- ☐ Greyhound
- ☐ Loomis
- ☐ Purolator
- ☐ Other (specify) _____

Name _____

Company _____

Address _____

_____

Phone _____

Fax _____

Signature _____

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Hot Water Soluble

			Analyte	Boron
			Description	Water Soluble
			Units	ug/g
			Detection Limit	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584348-1		FF301F 0-2.5	Soil	3.0
584348-2		FF301G 0-5	Soil	2.0
584348-3		FF302F 0-2.5	Soil	2.5
584348-4		FF302B 0-2.5	Soil	2
584348-5		FF302S 0-5	Soil	<0.2
584348-6		FF303F 0-2.5	Soil	2
584348-7		FF303B 0-2.5	Soil	2
584348-8		FF303G 0-5	Soil	5.0
584348-9		FF304F 0-2.5	Soil	2.2
584348-10		FF304B 0-2.5	Soil	7.3
584348-11		FF305F 0-2.5	Soil	2
584348-12		FF305B 0-2.5	Soil	3.9
584348-13		FF306B 0-2.5	Soil	2
584348-14		FF306S 0-5	Soil	<0.2
584348-15		FF307F 0-2.5	Soil	2.8
584348-16		FF307B 0-2.5	Soil	2.9
584348-17		FF308B 0-2.5	Soil	2.2
584348-18		FF308B 10-15	Soil	1.8
584348-19		FF309B 0-2.5	Soil	2.0
584348-20		FF310F 0-2.5	Soil	2.6
584348-21		FF310B 0-2.5	Soil	0.4
584348-22		FF311F 2.5-5	Soil	1
584348-23		FF311F 10-15	Soil	0.3
584348-24		FF311G 0-5	Soil	2.5
584348-25		FF311B 0-2.5	Soil	2.6
584348-26		FF312F 0-2.5	Soil	2
584348-27		FF312B 0-2.5	Soil	2.1
584348-28		FF313F 0-2.5	Soil	4.3
584348-29		FF313B 0-2.5	Soil	4.4
584348-30		FF314F 0-2.5	Soil	2
584348-31		FF314B 0-2.5	Soil	2.5
584348-32		FF314G 0-5	Soil	2.0
584348-33		FF315F 0-2.5	Soil	2
584348-34		FF315B 0-2.5	Soil	2.1
584348-35		FF315G 0-5	Soil	0.8
584348-36		FF316F 0-2.5	Soil	2
584348-37		FF316B 0-2.5	Soil	2
584348-38		FF317F 0-2.5	Soil	2.4
584348-39		FF317S 0-5	Soil	0.2

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Hot Water Soluble - Continued

			Analyte	Boron
			Description	Water Soluble
			Units	ug/g
			Detection Limit	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584348-40		FF317B 0-2.5	Soil	2.6
584348-41		FF317G 0-5	Soil	4.8
584348-42		FF318F 0-2.5	Soil	<1
584348-43		FF318B 0-2.5	Soil	<1
584348-44		FF319F 0-2.5	Soil	2
584348-45		FF319B 0-2.5	Soil	2.8
584348-46		FF320F 0-2.5	Soil	2.0
584348-47		FF320B 0-2.5	Soil	7.8
584348-48		FF321F 0-2.5	Soil	2
584348-49		FF322F 0-2.5	Soil	0.9
584348-50		FF322B 0-2.5	Soil	2.4
584348-51		FF323F 0-2.5	Soil	2.3
584348-52		FF323F 2.5-5	Soil	0.7
584348-53		FF323F 10-15	Soil	0.4
584348-54		FF323B 0-2.5	Soil	2.1
584348-55		FF323B 2.5-5	Soil	0.9
584348-56		FF323B 10-15	Soil	1.6
584348-57		FF324F 0-2.5	Soil	0.9
584348-58		FF324G 0-5	Soil	1.7
584348-59		FF324B 0-2.5	Soil	3.0
584348-60		FF325F 0-2.5	Soil	4.2
584348-61		FF325B 0-2.5	Soil	3.1
584348-62		FF326F 0-2.5	Soil	2.5
584348-63		FF326B 0-2.5	Soil	4.5
584348-64		FF327F 0-2.5	Soil	2.2
584348-65		FF327B 0-2.5	Soil	3.2
584348-66		FF328F 0-2.5	Soil	2
584348-67		FF329F 0-2.5	Soil	5.3
584348-68		FF329B 0-2.5	Soil	2.5
584348-69		FF330F 0-2.5	Soil	1
584348-70		FF330B 0-2.5	Soil	2.9
584348-71		FF331F 0-2.5	Soil	4.5
584348-72		FF332F 0-2.5	Soil	2.2
584348-73		FF332B 0-2.5	Soil	1.7
584348-74		FF333F 0-2.5	Soil	2.3
584348-75		FF333B 0-2.5	Soil	4.6
584348-76		FF334F 0-2.5	Soil	<1
584348-77		FF335F 0-2.5	Soil	2.4
584348-78		FF336F 0-2.5	Soil	2

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Hot Water Soluble - Continued

			Analyte	Boron
			Description	Water Soluble
			Units	ug/g
			Detection Limit	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584348-79		FF336G 0-5	Soil	1.0
584348-80		FF337S 0-5	Soil	<0.2
584348-81		FF338F 0-2.5	Soil	2.5
584348-82		FF338F 2.5-5	Soil	1
584348-83		FF338F 10-15	Soil	<0.2
584348-84		FF339F 0-2.5	Soil	1.4
584348-85		FF340F 0-2.5	Soil	2
584348-86		FF341F 0-2.5	Soil	4.1
584348-87		FF341B 0-2.5	Soil	6.3
584348-88		FF342F 0-2.5	Soil	4.2
584348-89		FF342G 0-5	Soil	2.0
584348-90		FF343F 0-2.5	Soil	2
584348-91		FF343B 0-2.5	Soil	2.9
584348-92		FF344F 0-2.5	Soil	2.7
584348-93		FF344B 0-2.5	Soil	2
584348-94		FF344G 0-5	Soil	4.2
584348-95		FF345F 0-2.5	Soil	5.7
584348-96		FF346F 0-2.5	Soil	3.2
584348-97		FF347F 0-2.5	Soil	2
584348-98		FF347G 0-5	Soil	1.1
584348-99		FF348F 0-2.5	Soil	3.1
584348-100		FF348F 2.5-5	Soil	0.5
584348-101		FF348F 10-15	Soil	2.0
584348-102		FF349F 0-2.5	Soil	2.2
584348-103		FF349G 0-5	Soil	1.0
584348-104		FF350F 0-2.5	Soil	2
584348-105		FF350B 0-2.5	Soil	0.8
584348-106		FF351F 0-2.5	Soil	2
584348-107		FF351B 0-2.5	Soil	2
584348-108		FF351G 0-5	Soil	1.5
584348-109		FF352B 0-2.5	Soil	2.4
584348-110		FF353F 0-2.5	Soil	<1
584348-111		FF353B 0-2.5	Soil	2.5
584348-112		FF354G 0-5	Soil	1.5
584348-113		FF355F 0-2.5	Soil	<1
584348-114		FF355B 0-2.5	Soil	2
584348-115		FF356F 0-2.5	Soil	2.1
584348-116		FF356B 0-2.5	Soil	0.7
584348-117		FF357F 0-2.5	Soil	2

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Hot Water Soluble - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Boron Water Soluble
Analyte				Boron
Description				Water Soluble
Units				ug/g
Detection Limit				0.1
584348-118		FF357G 0-5	Soil	1.4
584348-119		FF362F 0-2.5	Soil	4.6
584348-120		FF358G 0-5	Soil	1.0
584348-121		FF358F 0-2.5	Soil	1
584348-122		FF359F 0-2.5	Soil	1.4
584348-123		FF359B 0-2.5	Soil	2.5
584348-124		FF359B 2.5-5	Soil	2.2
584348-125		FF359G 0-5	Soil	0.8
584348-126		FF360F 0-2.5	Soil	<1
584348-127		FF360B 0-2.5	Soil	1
584348-128		FF361F 0-2.5	Soil	1
584348-129		FF363F 0-2.5	Soil	2
584348-130		FF363F 2.5-5	Soil	<1
584348-131		FF363F 10-15	Soil	0.4
584348-132		FF363B 0-2.5	Soil	1
584348-133		FF363B 2.5-5	Soil	<1
584348-134		FF363B 10-15	Soil	0.3
584348-135		FF363G 0-5	Soil	2.4
584348-136		FF364F 0-2.5	Soil	2
584348-137		FF365F 0-2.5	Soil	4.0
584348-138		FF365B 0-2.5	Soil	4.7
584348-139		FF365S 0-5	Soil	<0.2
584348-140		FF365G 0-5	Soil	3.8
584348-141		FF366G 0-5	Soil	2.5

Metals Strong Acid Digestion

Reference Number	Date Sampled	Sample Information	Sample Matrix	Mercury Strong Acid Extractable	Antimony Strong Acid Extractable	Arsenic Strong Acid Extractable
Analyte				Mercury	Antimony	Arsenic
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.01	0.2	0.2
584348-1		FF301F 0-2.5	Soil	7.6	1.1	24.1
584348-2		FF301G 0-5	Soil	0.39	<0.2	8.9
584348-3		FF302F 0-2.5	Soil	7.4	0.7	17.4
584348-4		FF302B 0-2.5	Soil	3.9	0.8	28.4
584348-5		FF302S 0-5	Soil	0.06	<0.2	11.3
584348-6		FF303F 0-2.5	Soil	0.33	0.4	8.6
584348-7		FF303B 0-2.5	Soil	4.6	1	23.6

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Mercury	Antimony	Arsenic
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.01	0.2	0.2
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-8		FF303G 0-5	Soil	0.07	<0.2	4.0
584348-9		FF304F 0-2.5	Soil	5.9	0.9	12.3
584348-10		FF304B 0-2.5	Soil	4.1	1.1	16.5
584348-11		FF305F 0-2.5	Soil	7.7	1.4	23.7
584348-12		FF305B 0-2.5	Soil	7.2	1.4	17.7
584348-13		FF306B 0-2.5	Soil	1.6	1.6	18.3
584348-14		FF306S 0-5	Soil	<0.01	<0.2	1.4
584348-15		FF307F 0-2.5	Soil	10.2	1.3	20.0
584348-16		FF307B 0-2.5	Soil	6.7	0.8	23.1
584348-17		FF308B 0-2.5	Soil	0.57	0.4	12.1
584348-18		FF308B 10-15	Soil	1.4	0.2	11.7
584348-19		FF309B 0-2.5	Soil	0.18	0.3	7.4
584348-20		FF310F 0-2.5	Soil	6.1	0.4	17.1
584348-21		FF310B 0-2.5	Soil	2.4	<0.2	13.2
584348-22		FF311F 2.5-5	Soil	2.1	0.8	17.4
584348-23		FF311F 10-15	Soil	0.18	0.4	25.9
584348-24		FF311G 0-5	Soil	0.5	0.2	13.3
584348-25		FF311B 0-2.5	Soil	0.6	0.5	10.6
584348-26		FF312F 0-2.5	Soil	2.9	0.6	18.1
584348-27		FF312B 0-2.5	Soil	6.6	0.8	14.3
584348-28		FF313F 0-2.5	Soil	1.4	<0.2	13.7
584348-29		FF313B 0-2.5	Soil	4.1	<0.2	17.1
584348-30		FF314F 0-2.5	Soil	4.5	0.3	14.2
584348-31		FF314B 0-2.5	Soil	2.6	<0.2	16.6
584348-32		FF314G 0-5	Soil	0.7	<0.2	12.8
584348-33		FF315F 0-2.5	Soil	5.4	0.8	7.9
584348-34		FF315B 0-2.5	Soil	4.4	0.8	8.2
584348-35		FF315G 0-5	Soil	0.5	<0.2	6.0
584348-36		FF316F 0-2.5	Soil	5.6	0.8	15.0
584348-37		FF316B 0-2.5	Soil	5.1	0.6	9.1
584348-38		FF317F 0-2.5	Soil	0.16	<0.2	6.2
584348-39		FF317S 0-5	Soil	0.10	<0.2	2.4
584348-40		FF317B 0-2.5	Soil	6.2	1.2	10.8
584348-41		FF317G 0-5	Soil	0.32	0.2	7.4
584348-42		FF318F 0-2.5	Soil	6.3	0.6	5.6
584348-43		FF318B 0-2.5	Soil	3.3	0.6	4.1
584348-44		FF319F 0-2.5	Soil	4.2	0.9	17.7
584348-45		FF319B 0-2.5	Soil	2.8	0.6	11.5
584348-46		FF320F 0-2.5	Soil	1.4	0.8	8.4

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Mercury	Antimony	Arsenic
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.01	0.2	0.2
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-47		FF320B 0-2.5	Soil	8.3	1.6	18.2
584348-48		FF321F 0-2.5	Soil	4.3	0.7	11.8
584348-49		FF322F 0-2.5	Soil	0.19	<0.2	8.7
584348-50		FF322B 0-2.5	Soil	2.8	<0.2	13.4
584348-51		FF323F 0-2.5	Soil	9.93	1.3	26.5
584348-52		FF323F 2.5-5	Soil	0.5	<0.2	13.4
584348-53		FF323F 10-15	Soil	0.06	<0.2	8.9
584348-54		FF323B 0-2.5	Soil	3.0	0.6	11.3
584348-55		FF323B 2.5-5	Soil	1.2	<0.2	12.5
584348-56		FF323B 10-15	Soil	0.6	0.3	13.4
584348-57		FF324F 0-2.5	Soil	1.2	<0.2	10.6
584348-58		FF324G 0-5	Soil	0.6	<0.2	8.6
584348-59		FF324B 0-2.5	Soil	1.2	<0.2	12.7
584348-60		FF325F 0-2.5	Soil	2.5	0.5	21.1
584348-61		FF325B 0-2.5	Soil	0.8	0.4	13.5
584348-62		FF326F 0-2.5	Soil	5.9	0.5	14.0
584348-63		FF326B 0-2.5	Soil	4.2	0.5	14.0
584348-64		FF327F 0-2.5	Soil	0.11	<0.2	4.1
584348-65		FF327B 0-2.5	Soil	3.2	0.4	35.3
584348-66		FF328F 0-2.5	Soil	6.7	0.5	11.6
584348-67		FF329F 0-2.5	Soil	11.1	0.6	21.2
584348-68		FF329B 0-2.5	Soil	6.9	0.5	16.9
584348-69		FF330F 0-2.5	Soil	9.4	0.8	18.8
584348-70		FF330B 0-2.5	Soil	6.5	1.2	18.3
584348-71		FF331F 0-2.5	Soil	15.8	1.0	17.0
584348-72		FF332F 0-2.5	Soil	12.7	1.2	15.5
584348-73		FF332B 0-2.5	Soil	0.99	<0.2	12.5
584348-74		FF333F 0-2.5	Soil	0.97	0.6	9.6
584348-75		FF333B 0-2.5	Soil	1.58	0.8	19.1
584348-76		FF334F 0-2.5	Soil	1.42	0.3	7.2
584348-77		FF335F 0-2.5	Soil	10.1	1	18.3
584348-78		FF336F 0-2.5	Soil	14.7	1	18.6
584348-79		FF336G 0-5	Soil	4.2	0.2	19.0
584348-80		FF337S 0-5	Soil	<0.01	<0.2	0.7
584348-81		FF338F 0-2.5	Soil	3.0	0.7	14.9
584348-82		FF338F 2.5-5	Soil	2.36	0.5	12.3
584348-83		FF338F 10-15	Soil	0.13	<0.2	8.1
584348-84		FF339F 0-2.5	Soil	1.84	<0.2	11.7
584348-85		FF340F 0-2.5	Soil	13.8	0.6	19.0

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Mercury	Antimony	Arsenic
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.01	0.2	0.2
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-86		FF341F 0-2.5	Soil	32.0	1.5	34.2
584348-87		FF341B 0-2.5	Soil	0.80	<0.2	10.0
584348-88		FF342F 0-2.5	Soil	15.1	1	31.3
584348-89		FF342G 0-5	Soil	0.98	0.4	9.3
584348-90		FF343F 0-2.5	Soil	21.4	1.8	49.7
584348-91		FF343B 0-2.5	Soil	15.7	0.4	15.9
584348-92		FF344F 0-2.5	Soil	17.9	1.6	29.0
584348-93		FF344B 0-2.5	Soil	7.0	0.6	18.8
584348-94		FF344G 0-5	Soil	0.88	0.3	13.0
584348-95		FF345F 0-2.5	Soil	6.8	0.6	31.1
584348-96		FF346F 0-2.5	Soil	7.0	1.0	25.3
584348-97		FF347F 0-2.5	Soil	7.5	0.6	20.9
584348-98		FF347G 0-5	Soil	0.99	<0.2	11.2
584348-99		FF348F 0-2.5	Soil	0.46	0.3	11.4
584348-100		FF348F 2.5-5	Soil	0.59	<0.2	6.8
584348-101		FF348F 10-15	Soil	1.6	0.2	20.0
584348-102		FF349F 0-2.5	Soil	0.39	1.1	25.2
584348-103		FF349G 0-5	Soil	0.41	<0.2	5.8
584348-104		FF350F 0-2.5	Soil	9.8	1.4	15.2
584348-105		FF350B 0-2.5	Soil	1.3	<0.2	7.6
584348-106		FF351F 0-2.5	Soil	10.8	0.9	16.1
584348-107		FF351B 0-2.5	Soil	3.4	1	16.0
584348-108		FF351G 0-5	Soil	0.62	<0.2	8.2
584348-109		FF352B 0-2.5	Soil	11.2	1.3	18.5
584348-110		FF353F 0-2.5	Soil	1.9	0.2	7.7
584348-111		FF353B 0-2.5	Soil	12.5	1.8	22.7
584348-112		FF354G 0-5	Soil	0.80	0.2	11.6
584348-113		FF355F 0-2.5	Soil	0.15	<0.2	3.5
584348-114		FF355B 0-2.5	Soil	6.8	0.6	15.9
584348-115		FF356F 0-2.5	Soil	8.2	0.6	16.6
584348-116		FF356B 0-2.5	Soil	7.0	0.4	15.3
584348-117		FF357F 0-2.5	Soil	2.1	0.3	10.4
584348-118		FF357G 0-5	Soil	1.3	<0.2	11.7
584348-119		FF362F 0-2.5	Soil	16.8	1	32.5
584348-120		FF358G 0-5	Soil	0.42	<0.2	8.4
584348-121		FF358F 0-2.5	Soil	11.4	0.7	16.6
584348-122		FF359F 0-2.5	Soil	0.16	<0.2	7.4
584348-123		FF359B 0-2.5	Soil	10.4	0.7	24.6
584348-124		FF359B 2.5-5	Soil	1.7	0.6	31.5

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Mercury	Antimony	Arsenic
Analyte				Mercury	Antimony	Arsenic
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.01	0.2	0.2
584348-125		FF359G 0-5	Soil	0.66	<0.2	12.6
584348-126		FF360F 0-2.5	Soil	0.14	0.3	8.2
584348-127		FF360B 0-2.5	Soil	0.64	0.7	11.9
584348-128		FF361F 0-2.5	Soil	1.6	0.4	7.4
584348-129		FF363F 0-2.5	Soil	7.0	1.2	15.7
584348-130		FF363F 2.5-5	Soil	10.2	1.1	20.1
584348-131		FF363F 10-15	Soil	0.08	<0.2	10.0
584348-132		FF363B 0-2.5	Soil	9.8	1.2	12.1
584348-133		FF363B 2.5-5	Soil	3.9	0.9	11.0
584348-134		FF363B 10-15	Soil	0.25	0.2	18.3
584348-135		FF363G 0-5	Soil	0.88	0.3	17.4
584348-136		FF364F 0-2.5	Soil	6.6	0.6	15.5
584348-137		FF365F 0-2.5	Soil	2.9	0.9	12.6
584348-138		FF365B 0-2.5	Soil	4.2	0.7	14.0
584348-139		FF365S 0-5	Soil	0.01	<0.2	2.0
584348-140		FF365G 0-5	Soil	1.2	1.8	17.6
584348-141		FF366G 0-5	Soil	0.72	<0.2	6.8

Reference Number	Date Sampled	Sample Information	Sample Matrix	Barium	Beryllium	Cadmium
Analyte				Barium	Beryllium	Cadmium
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				1	0.1	0.01
584348-1		FF301F 0-2.5	Soil	78	0.2	30.8
584348-2		FF301G 0-5	Soil	201	0.7	3.20
584348-3		FF302F 0-2.5	Soil	133	0.5	21.0
584348-4		FF302B 0-2.5	Soil	115	0.4	17.8
584348-5		FF302S 0-5	Soil	23	0.2	0.42
584348-6		FF303F 0-2.5	Soil	58	0.1	12.7
584348-7		FF303B 0-2.5	Soil	79	0.4	14.9
584348-8		FF303G 0-5	Soil	128	0.4	2.49
584348-9		FF304F 0-2.5	Soil	92	0.3	19.6
584348-10		FF304B 0-2.5	Soil	84	0.2	22.3
584348-11		FF305F 0-2.5	Soil	78	0.3	21.6
584348-12		FF305B 0-2.5	Soil	62	0.2	14.7
584348-13		FF306B 0-2.5	Soil	67	0.1	15.9
584348-14		FF306S 0-5	Soil	27	<0.1	0.23
584348-15		FF307F 0-2.5	Soil	141	0.3	27.3
584348-16		FF307B 0-2.5	Soil	127	0.4	14.0

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Barium	Beryllium	Cadmium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	1	0.1	0.01
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-17		FF308B 0-2.5	Soil	138	0.5	8.32
584348-18		FF308B 10-15	Soil	133	0.5	3.01
584348-19		FF309B 0-2.5	Soil	87	0.2	3.84
584348-20		FF310F 0-2.5	Soil	166	0.7	11.1
584348-21		FF310B 0-2.5	Soil	186	1.0	3.90
584348-22		FF311F 2.5-5	Soil	83	0.2	10.7
584348-23		FF311F 10-15	Soil	61	0.2	3.32
584348-24		FF311G 0-5	Soil	116	0.4	3.52
584348-25		FF311B 0-2.5	Soil	85	0.2	12.7
584348-26		FF312F 0-2.5	Soil	125	0.5	10.0
584348-27		FF312B 0-2.5	Soil	91	0.2	19.2
584348-28		FF313F 0-2.5	Soil	209	0.6	8.85
584348-29		FF313B 0-2.5	Soil	176	0.7	7.51
584348-30		FF314F 0-2.5	Soil	188	0.6	10.9
584348-31		FF314B 0-2.5	Soil	219	0.7	8.29
584348-32		FF314G 0-5	Soil	133	0.5	3.12
584348-33		FF315F 0-2.5	Soil	87	0.2	12.9
584348-34		FF315B 0-2.5	Soil	90	0.2	11.8
584348-35		FF315G 0-5	Soil	85	0.2	2.25
584348-36		FF316F 0-2.5	Soil	65	0.2	13.0
584348-37		FF316B 0-2.5	Soil	70	0.2	8.99
584348-38		FF317F 0-2.5	Soil	125	0.4	3.90
584348-39		FF317S 0-5	Soil	19	0.1	0.73
584348-40		FF317B 0-2.5	Soil	105	0.3	26.2
584348-41		FF317G 0-5	Soil	147	0.3	3.68
584348-42		FF318F 0-2.5	Soil	68	0.2	9.87
584348-43		FF318B 0-2.5	Soil	44	0.2	10.8
584348-44		FF319F 0-2.5	Soil	76	0.2	13.7
584348-45		FF319B 0-2.5	Soil	65	0.1	14.3
584348-46		FF320F 0-2.5	Soil	85	<0.1	13.2
584348-47		FF320B 0-2.5	Soil	79	0.2	28.4
584348-48		FF321F 0-2.5	Soil	120	0.3	14.3
584348-49		FF322F 0-2.5	Soil	230	0.7	1.29
584348-50		FF322B 0-2.5	Soil	159	0.6	8.56
584348-51		FF323F 0-2.5	Soil	98	0.3	19.5
584348-52		FF323F 2.5-5	Soil	126	0.5	5.73
584348-53		FF323F 10-15	Soil	204	0.8	1.04
584348-54		FF323B 0-2.5	Soil	71	0.2	11.6
584348-55		FF323B 2.5-5	Soil	100	0.4	3.11

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Barium	Beryllium	Cadmium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	1	0.1	0.01
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-56		FF323B 10-15	Soil	103	0.4	3.98
584348-57		FF324F 0-2.5	Soil	174	0.6	5.24
584348-58		FF324G 0-5	Soil	182	0.7	2.45
584348-59		FF324B 0-2.5	Soil	161	0.5	7.89
584348-60		FF325F 0-2.5	Soil	132	0.2	15.4
584348-61		FF325B 0-2.5	Soil	135	0.4	5.44
584348-62		FF326F 0-2.5	Soil	124	0.5	13.4
584348-63		FF326B 0-2.5	Soil	157	0.4	17.9
584348-64		FF327F 0-2.5	Soil	48	0.2	1.19
584348-65		FF327B 0-2.5	Soil	128	0.4	13.4
584348-66		FF328F 0-2.5	Soil	66	0.2	13.3
584348-67		FF329F 0-2.5	Soil	154	0.5	26.9
584348-68		FF329B 0-2.5	Soil	140	0.6	13.1
584348-69		FF330F 0-2.5	Soil	112	0.5	12.6
584348-70		FF330B 0-2.5	Soil	92	0.2	15.0
584348-71		FF331F 0-2.5	Soil	103	0.3	20.9
584348-72		FF332F 0-2.5	Soil	85	0.3	20.6
584348-73		FF332B 0-2.5	Soil	100	0.4	5.70
584348-74		FF333F 0-2.5	Soil	101	0.2	12.6
584348-75		FF333B 0-2.5	Soil	92	<0.1	16.8
584348-76		FF334F 0-2.5	Soil	47	0.1	4.25
584348-77		FF335F 0-2.5	Soil	74	0.1	23.4
584348-78		FF336F 0-2.5	Soil	105	0.3	24.0
584348-79		FF336G 0-5	Soil	122	0.4	6.30
584348-80		FF337S 0-5	Soil	20	<0.1	0.10
584348-81		FF338F 0-2.5	Soil	68	0.2	11.1
584348-82		FF338F 2.5-5	Soil	36	0.1	3.85
584348-83		FF338F 10-15	Soil	33	0.1	1.62
584348-84		FF339F 0-2.5	Soil	149	0.7	3.91
584348-85		FF340F 0-2.5	Soil	131	0.4	19.8
584348-86		FF341F 0-2.5	Soil	166	0.4	30.5
584348-87		FF341B 0-2.5	Soil	162	0.5	5.48
584348-88		FF342F 0-2.5	Soil	100	0.2	27.3
584348-89		FF342G 0-5	Soil	64	0.2	3.70
584348-90		FF343F 0-2.5	Soil	181	0.4	30.4
584348-91		FF343B 0-2.5	Soil	84	0.2	11.9
584348-92		FF344F 0-2.5	Soil	120	0.2	30.9
584348-93		FF344B 0-2.5	Soil	122	0.5	11.3
584348-94		FF344G 0-5	Soil	166	0.5	5.54

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Barium	Beryllium	Cadmium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	1	0.1	0.01
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-95		FF345F 0-2.5	Soil	177	0.6	14.9
584348-96		FF346F 0-2.5	Soil	165	0.1	20.1
584348-97		FF347F 0-2.5	Soil	125	0.5	12.3
584348-98		FF347G 0-5	Soil	110	0.4	3.62
584348-99		FF348F 0-2.5	Soil	161	0.6	12.9
584348-100		FF348F 2.5-5	Soil	215	1.2	0.97
584348-101		FF348F 10-15	Soil	229	0.9	5.94
584348-102		FF349F 0-2.5	Soil	99	0.2	24.1
584348-103		FF349G 0-5	Soil	117	0.5	1.74
584348-104		FF350F 0-2.5	Soil	72	0.2	33.5
584348-105		FF350B 0-2.5	Soil	103	0.4	5.80
584348-106		FF351F 0-2.5	Soil	98	0.3	23.1
584348-107		FF351B 0-2.5	Soil	64	0.2	25.7
584348-108		FF351G 0-5	Soil	144	0.7	2.39
584348-109		FF352B 0-2.5	Soil	90	0.2	24.5
584348-110		FF353F 0-2.5	Soil	80	0.3	4.70
584348-111		FF353B 0-2.5	Soil	48	0.2	26.7
584348-112		FF354G 0-5	Soil	120	0.4	4.46
584348-113		FF355F 0-2.5	Soil	56	0.2	3.08
584348-114		FF355B 0-2.5	Soil	114	0.4	14.4
584348-115		FF356F 0-2.5	Soil	116	0.4	10.8
584348-116		FF356B 0-2.5	Soil	92	0.4	6.31
584348-117		FF357F 0-2.5	Soil	124	0.5	9.94
584348-118		FF357G 0-5	Soil	147	0.7	5.16
584348-119		FF362F 0-2.5	Soil	136	0.3	20.5
584348-120		FF358G 0-5	Soil	112	0.4	2.11
584348-121		FF358F 0-2.5	Soil	162	0.9	11.9
584348-122		FF359F 0-2.5	Soil	185	0.7	1.32
584348-123		FF359B 0-2.5	Soil	146	0.5	12.9
584348-124		FF359B 2.5-5	Soil	190	0.6	8.96
584348-125		FF359G 0-5	Soil	215	0.8	3.80
584348-126		FF360F 0-2.5	Soil	42	0.2	4.55
584348-127		FF360B 0-2.5	Soil	50	0.2	15.1
584348-128		FF361F 0-2.5	Soil	70	0.2	5.57
584348-129		FF363F 0-2.5	Soil	99	0.3	27.4
584348-130		FF363F 2.5-5	Soil	57	0.3	7.48
584348-131		FF363F 10-15	Soil	191	0.9	1.31
584348-132		FF363B 0-2.5	Soil	83	0.4	17.4
584348-133		FF363B 2.5-5	Soil	45	0.3	7.66

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Barium	Beryllium	Cadmium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	1	0.1	0.01
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-134		FF363B 10-15	Soil	78	0.3	4.34
584348-135		FF363G 0-5	Soil	142	0.4	5.43
584348-136		FF364F 0-2.5	Soil	116	0.5	12.5
584348-137		FF365F 0-2.5	Soil	113	0.2	19.1
584348-138		FF365B 0-2.5	Soil	172	0.5	14.3
584348-139		FF365S 0-5	Soil	20	0.1	0.25
584348-140		FF365G 0-5	Soil	237	0.5	4.25
584348-141		FF366G 0-5	Soil	148	0.4	1.85

			Analyte	Chromium	Cobalt	Copper
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.5	0.1	1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-1		FF301F 0-2.5	Soil	28.2	7.5	980
584348-2		FF301G 0-5	Soil	45.0	11.0	129
584348-3		FF302F 0-2.5	Soil	41.4	10.1	1100
584348-4		FF302B 0-2.5	Soil	46.0	13.1	890
584348-5		FF302S 0-5	Soil	18.0	7.5	43
584348-6		FF303F 0-2.5	Soil	11.6	3.4	480
584348-7		FF303B 0-2.5	Soil	35.4	8.3	840
584348-8		FF303G 0-5	Soil	16.7	5.2	94
584348-9		FF304F 0-2.5	Soil	33.3	7.9	870
584348-10		FF304B 0-2.5	Soil	24.4	6.9	1040
584348-11		FF305F 0-2.5	Soil	32.8	8.0	1180
584348-12		FF305B 0-2.5	Soil	22.2	5.7	1020
584348-13		FF306B 0-2.5	Soil	22.3	6.0	1130
584348-14		FF306S 0-5	Soil	11.3	2.4	20
584348-15		FF307F 0-2.5	Soil	27.7	8.8	1360
584348-16		FF307B 0-2.5	Soil	37.4	11.3	710
584348-17		FF308B 0-2.5	Soil	41.8	9.8	328
584348-18		FF308B 10-15	Soil	41.8	9.3	137
584348-19		FF309B 0-2.5	Soil	21.3	4.8	176
584348-20		FF310F 0-2.5	Soil	65.4	14.1	620
584348-21		FF310B 0-2.5	Soil	76.6	17.3	227
584348-22		FF311F 2.5-5	Soil	33.9	6.7	610
584348-23		FF311F 10-15	Soil	18.8	6.0	160
584348-24		FF311G 0-5	Soil	31.7	8.2	158
584348-25		FF311B 0-2.5	Soil	21.5	5.2	480

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Chromium	Cobalt	Copper
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.5	0.1	1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-26		FF312F 0-2.5	Soil	33.8	9.0	830
584348-27		FF312B 0-2.5	Soil	30.5	7.9	989
584348-28		FF313F 0-2.5	Soil	45.6	11.5	440
584348-29		FF313B 0-2.5	Soil	25.7	8.4	418
584348-30		FF314F 0-2.5	Soil	27.7	8.1	550
584348-31		FF314B 0-2.5	Soil	29.1	10.4	350
584348-32		FF314G 0-5	Soil	53.5	14.4	196
584348-33		FF315F 0-2.5	Soil	36.8	4.9	770
584348-34		FF315B 0-2.5	Soil	27.0	9.6	580
584348-35		FF315G 0-5	Soil	23.2	4.8	122
584348-36		FF316F 0-2.5	Soil	32.2	7.0	680
584348-37		FF316B 0-2.5	Soil	20.7	5.2	472
584348-38		FF317F 0-2.5	Soil	22.7	5.8	135
584348-39		FF317S 0-5	Soil	9.1	2.5	38
584348-40		FF317B 0-2.5	Soil	32.0	6.3	1110
584348-41		FF317G 0-5	Soil	24.3	6.3	167
584348-42		FF318F 0-2.5	Soil	29.4	4.7	590
584348-43		FF318B 0-2.5	Soil	27.2	3.4	414
584348-44		FF319F 0-2.5	Soil	22.0	6.3	800
584348-45		FF319B 0-2.5	Soil	15.7	3.1	700
584348-46		FF320F 0-2.5	Soil	12.5	3.4	720
584348-47		FF320B 0-2.5	Soil	25.1	8.5	1420
584348-48		FF321F 0-2.5	Soil	30.1	7.0	840
584348-49		FF322F 0-2.5	Soil	24.8	8.7	75
584348-50		FF322B 0-2.5	Soil	43.0	11.6	461
584348-51		FF323F 0-2.5	Soil	41.1	10.3	970
584348-52		FF323F 2.5-5	Soil	46.8	10.5	190
584348-53		FF323F 10-15	Soil	73.7	17.2	66
584348-54		FF323B 0-2.5	Soil	26.3	5.8	540
584348-55		FF323B 2.5-5	Soil	39.4	8.5	132
584348-56		FF323B 10-15	Soil	35.2	7.6	164
584348-57		FF324F 0-2.5	Soil	35.6	9.4	265
584348-58		FF324G 0-5	Soil	46.6	11.0	124
584348-59		FF324B 0-2.5	Soil	26.7	8.4	389
584348-60		FF325F 0-2.5	Soil	20.1	6.7	820
584348-61		FF325B 0-2.5	Soil	28.3	7.6	278
584348-62		FF326F 0-2.5	Soil	35.0	7.8	730
584348-63		FF326B 0-2.5	Soil	33.7	7.1	760
584348-64		FF327F 0-2.5	Soil	13.9	3.1	57

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Chromium	Cobalt	Copper
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.5	0.1	1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-65		FF327B 0-2.5	Soil	19.6	8.6	600
584348-66		FF328F 0-2.5	Soil	20.5	4.7	800
584348-67		FF329F 0-2.5	Soil	23.6	7.6	1420
584348-68		FF329B 0-2.5	Soil	42.4	10.4	680
584348-69		FF330F 0-2.5	Soil	45.8	10.3	770
584348-70		FF330B 0-2.5	Soil	22.2	6.7	720
584348-71		FF331F 0-2.5	Soil	30.1	7.7	1190
584348-72		FF332F 0-2.5	Soil	45.8	6.2	1350
584348-73		FF332B 0-2.5	Soil	33.6	8.4	268
584348-74		FF333F 0-2.5	Soil	19.9	6.0	740
584348-75		FF333B 0-2.5	Soil	19.0	5.5	850
584348-76		FF334F 0-2.5	Soil	15.0	3.5	255
584348-77		FF335F 0-2.5	Soil	24.6	6.7	1170
584348-78		FF336F 0-2.5	Soil	37.7	8.1	1290
584348-79		FF336G 0-5	Soil	38.6	11.2	282
584348-80		FF337S 0-5	Soil	7.4	1.6	11
584348-81		FF338F 0-2.5	Soil	15.9	4.6	610
584348-82		FF338F 2.5-5	Soil	13.4	3.8	203
584348-83		FF338F 10-15	Soil	13.2	3.3	52
584348-84		FF339F 0-2.5	Soil	49.6	12.5	236
584348-85		FF340F 0-2.5	Soil	43.4	10.5	1350
584348-86		FF341F 0-2.5	Soil	33.3	10.1	1770
584348-87		FF341B 0-2.5	Soil	21.5	7.1	286
584348-88		FF342F 0-2.5	Soil	31.8	10.7	2050
584348-89		FF342G 0-5	Soil	20.7	5.2	254
584348-90		FF343F 0-2.5	Soil	44.0	11.5	1640
584348-91		FF343B 0-2.5	Soil	16.3	5.6	890
584348-92		FF344F 0-2.5	Soil	31.8	9.3	1950
584348-93		FF344B 0-2.5	Soil	42.3	10.6	580
584348-94		FF344G 0-5	Soil	37.4	11.8	268
584348-95		FF345F 0-2.5	Soil	47.0	15.5	880
584348-96		FF346F 0-2.5	Soil	36.1	5.9	1230
584348-97		FF347F 0-2.5	Soil	45.6	11.7	630
584348-98		FF347G 0-5	Soil	32.0	8.3	153
584348-99		FF348F 0-2.5	Soil	49.1	11.7	600
584348-100		FF348F 2.5-5	Soil	76.8	17.4	78
584348-101		FF348F 10-15	Soil	63.3	15.7	255
584348-102		FF349F 0-2.5	Soil	43.7	8.8	1360
584348-103		FF349G 0-5	Soil	38.0	8.8	117

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Chromium	Cobalt	Copper
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.5	0.1	1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-104		FF350F 0-2.5	Soil	18.0	4.1	1540
584348-105		FF350B 0-2.5	Soil	35.4	7.3	292
584348-106		FF351F 0-2.5	Soil	40.3	7.0	1040
584348-107		FF351B 0-2.5	Soil	28.8	4.9	1310
584348-108		FF351G 0-5	Soil	47.1	10.3	112
584348-109		FF352B 0-2.5	Soil	21.7	7.3	1280
584348-110		FF353F 0-2.5	Soil	26.7	6.1	216
584348-111		FF353B 0-2.5	Soil	16.8	6.1	1370
584348-112		FF354G 0-5	Soil	29.3	7.8	210
584348-113		FF355F 0-2.5	Soil	16.8	3.2	144
584348-114		FF355B 0-2.5	Soil	31.5	8.4	700
584348-115		FF356F 0-2.5	Soil	23.2	7.5	720
584348-116		FF356B 0-2.5	Soil	35.5	9.3	399
584348-117		FF357F 0-2.5	Soil	48.0	10.7	510
584348-118		FF357G 0-5	Soil	50.5	12.2	260
584348-119		FF362F 0-2.5	Soil	21.8	8.4	1520
584348-120		FF358G 0-5	Soil	31.0	8.2	118
584348-121		FF358F 0-2.5	Soil	72.0	15.1	660
584348-122		FF359F 0-2.5	Soil	24.7	8.8	79
584348-123		FF359B 0-2.5	Soil	44.7	11.2	660
584348-124		FF359B 2.5-5	Soil	46.0	15.4	376
584348-125		FF359G 0-5	Soil	53.6	13.7	192
584348-126		FF360F 0-2.5	Soil	13.7	2.7	248
584348-127		FF360B 0-2.5	Soil	16.5	3.8	810
584348-128		FF361F 0-2.5	Soil	25.2	4.8	335
584348-129		FF363F 0-2.5	Soil	44.9	6.9	1440
584348-130		FF363F 2.5-5	Soil	34.9	6.1	580
584348-131		FF363F 10-15	Soil	71.4	15.3	58
584348-132		FF363B 0-2.5	Soil	46.4	5.7	1070
584348-133		FF363B 2.5-5	Soil	29.3	5.9	443
584348-134		FF363B 10-15	Soil	31.7	8.4	150
584348-135		FF363G 0-5	Soil	36.2	9.6	250
584348-136		FF364F 0-2.5	Soil	34.4	8.9	630
584348-137		FF365F 0-2.5	Soil	15.2	4.7	1350
584348-138		FF365B 0-2.5	Soil	30.1	8.0	1020
584348-139		FF365S 0-5	Soil	9.5	1.9	24
584348-140		FF365G 0-5	Soil	51.3	11.9	232
584348-141		FF366G 0-5	Soil	24.5	7.2	190

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Lead	Molybdenum	Nickel
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.1	1	0.5
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-1		FF301F 0-2.5	Soil	202	2	16.6
584348-2		FF301G 0-5	Soil	30.2	<1	31.1
584348-3		FF302F 0-2.5	Soil	304	1	25.8
584348-4		FF302B 0-2.5	Soil	214	1	26.5
584348-5		FF302S 0-5	Soil	4.7	<1	13.8
584348-6		FF303F 0-2.5	Soil	81.1	2	9.6
584348-7		FF303B 0-2.5	Soil	203	2	18.4
584348-8		FF303G 0-5	Soil	17.5	<1	14.8
584348-9		FF304F 0-2.5	Soil	166	2	19.3
584348-10		FF304B 0-2.5	Soil	178	2	16.5
584348-11		FF305F 0-2.5	Soil	229	2	18.9
584348-12		FF305B 0-2.5	Soil	221	1	14.1
584348-13		FF306B 0-2.5	Soil	228	2	13.7
584348-14		FF306S 0-5	Soil	2.5	<1	6.7
584348-15		FF307F 0-2.5	Soil	275	3	18.5
584348-16		FF307B 0-2.5	Soil	210	1	21.0
584348-17		FF308B 0-2.5	Soil	94.8	1	27.1
584348-18		FF308B 10-15	Soil	43.7	<1	25.2
584348-19		FF309B 0-2.5	Soil	47.9	<1	12.0
584348-20		FF310F 0-2.5	Soil	111	<1	38.5
584348-21		FF310B 0-2.5	Soil	48.8	<1	43.9
584348-22		FF311F 2.5-5	Soil	157	<1	18.5
584348-23		FF311F 10-15	Soil	97.0	<1	12.1
584348-24		FF311G 0-5	Soil	61.9	<1	20.2
584348-25		FF311B 0-2.5	Soil	96.8	2	11.6
584348-26		FF312F 0-2.5	Soil	110	1	24.7
584348-27		FF312B 0-2.5	Soil	164	3	18.2
584348-28		FF313F 0-2.5	Soil	67.7	1	30.0
584348-29		FF313B 0-2.5	Soil	69.1	<1	21.4
584348-30		FF314F 0-2.5	Soil	110	<1	20.8
584348-31		FF314B 0-2.5	Soil	63.8	<1	27.8
584348-32		FF314G 0-5	Soil	36.7	1	28.5
584348-33		FF315F 0-2.5	Soil	128	2	15.0
584348-34		FF315B 0-2.5	Soil	109	2	16.8
584348-35		FF315G 0-5	Soil	37.9	<1	14.7
584348-36		FF316F 0-2.5	Soil	117	1	14.8
584348-37		FF316B 0-2.5	Soil	85.1	<1	12.8
584348-38		FF317F 0-2.5	Soil	25.1	<1	16.7
584348-39		FF317S 0-5	Soil	6.8	<1	5.6

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Lead	Molybdenum	Nickel
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.1	1	0.5
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-40		FF317B 0-2.5	Soil	180	2	13.9
584348-41		FF317G 0-5	Soil	31.8	1	19.0
584348-42		FF318F 0-2.5	Soil	78.1	2	13.1
584348-43		FF318B 0-2.5	Soil	75.3	1	9.3
584348-44		FF319F 0-2.5	Soil	128	2	12.3
584348-45		FF319B 0-2.5	Soil	107	2	8.2
584348-46		FF320F 0-2.5	Soil	114	3	11.4
584348-47		FF320B 0-2.5	Soil	243	4	20.1
584348-48		FF321F 0-2.5	Soil	144	2	19.3
584348-49		FF322F 0-2.5	Soil	16.5	<1	24.4
584348-50		FF322B 0-2.5	Soil	70.8	<1	31.2
584348-51		FF323F 0-2.5	Soil	289	2	23.5
584348-52		FF323F 2.5-5	Soil	49.5	<1	29.5
584348-53		FF323F 10-15	Soil	21.6	<1	43.8
584348-54		FF323B 0-2.5	Soil	112	1	17.0
584348-55		FF323B 2.5-5	Soil	64.0	<1	23.8
584348-56		FF323B 10-15	Soil	78.2	<1	27.4
584348-57		FF324F 0-2.5	Soil	46.2	<1	58.9
584348-58		FF324G 0-5	Soil	25.0	<1	31.2
584348-59		FF324B 0-2.5	Soil	55.5	<1	21.2
584348-60		FF325F 0-2.5	Soil	131	2	16.2
584348-61		FF325B 0-2.5	Soil	58.1	1	21.8
584348-62		FF326F 0-2.5	Soil	106	2	25.4
584348-63		FF326B 0-2.5	Soil	108	2	19.6
584348-64		FF327F 0-2.5	Soil	10.3	<1	12.5
584348-65		FF327B 0-2.5	Soil	123	1	16.6
584348-66		FF328F 0-2.5	Soil	99.2	2	11.4
584348-67		FF329F 0-2.5	Soil	212	2	17.2
584348-68		FF329B 0-2.5	Soil	127	<1	23.9
584348-69		FF330F 0-2.5	Soil	176	<1	22.7
584348-70		FF330B 0-2.5	Soil	183	2	15.6
584348-71		FF331F 0-2.5	Soil	212	2	16.8
584348-72		FF332F 0-2.5	Soil	207	2	17.0
584348-73		FF332B 0-2.5	Soil	72.2	<1	21.6
584348-74		FF333F 0-2.5	Soil	88.2	2	13.2
584348-75		FF333B 0-2.5	Soil	127	3	9.9
584348-76		FF334F 0-2.5	Soil	47.1	<1	9.1
584348-77		FF335F 0-2.5	Soil	198	3	14.7
584348-78		FF336F 0-2.5	Soil	188	3	19.0

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Lead	Molybdenum	Nickel
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.1	1	0.5
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-79		FF336G 0-5	Soil	86.7	<1	22.0
584348-80		FF337S 0-5	Soil	1.9	<1	4.3
584348-81		FF338F 0-2.5	Soil	84.5	1	14.5
584348-82		FF338F 2.5-5	Soil	58.2	<1	16.4
584348-83		FF338F 10-15	Soil	24.9	<1	10.0
584348-84		FF339F 0-2.5	Soil	48.5	<1	30.0
584348-85		FF340F 0-2.5	Soil	167	2	22.9
584348-86		FF341F 0-2.5	Soil	357	2	22.8
584348-87		FF341B 0-2.5	Soil	39.0	<1	23.1
584348-88		FF342F 0-2.5	Soil	236	4	19.3
584348-89		FF342G 0-5	Soil	31.0	<1	12.7
584348-90		FF343F 0-2.5	Soil	552	2	20.1
584348-91		FF343B 0-2.5	Soil	114	1	13.8
584348-92		FF344F 0-2.5	Soil	380	2	18.6
584348-93		FF344B 0-2.5	Soil	193	1	23.4
584348-94		FF344G 0-5	Soil	87.6	<1	24.3
584348-95		FF345F 0-2.5	Soil	160	1	27.4
584348-96		FF346F 0-2.5	Soil	198	2	13.1
584348-97		FF347F 0-2.5	Soil	155	<1	25.6
584348-98		FF347G 0-5	Soil	45.5	<1	20.1
584348-99		FF348F 0-2.5	Soil	97.1	1	32.0
584348-100		FF348F 2.5-5	Soil	26.9	<1	46.5
584348-101		FF348F 10-15	Soil	95.5	<1	40.4
584348-102		FF349F 0-2.5	Soil	208	3	21.4
584348-103		FF349G 0-5	Soil	23.8	<1	22.4
584348-104		FF350F 0-2.5	Soil	232	3	8.5
584348-105		FF350B 0-2.5	Soil	47.2	1	19.4
584348-106		FF351F 0-2.5	Soil	178	3	18.4
584348-107		FF351B 0-2.5	Soil	199	3	12.5
584348-108		FF351G 0-5	Soil	23.6	<1	29.5
584348-109		FF352B 0-2.5	Soil	213	3	13.1
584348-110		FF353F 0-2.5	Soil	41.8	<1	17.1
584348-111		FF353B 0-2.5	Soil	250	3	11.6
584348-112		FF354G 0-5	Soil	51.3	<1	20.6
584348-113		FF355F 0-2.5	Soil	21.1	<1	9.6
584348-114		FF355B 0-2.5	Soil	127	1	21.0
584348-115		FF356F 0-2.5	Soil	151	<1	19.1
584348-116		FF356B 0-2.5	Soil	73.1	<1	22.9
584348-117		FF357F 0-2.5	Soil	78.6	1	29.1

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Lead	Molybdenum	Nickel
Analyte				Lead	Molybdenum	Nickel
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.1	1	0.5
584348-118		FF357G 0-5	Soil	52.0	<1	32.9
584348-119		FF362F 0-2.5	Soil	225	2	17.8
584348-120		FF358G 0-5	Soil	29.6	<1	18.7
584348-121		FF358F 0-2.5	Soil	171	<1	33.3
584348-122		FF359F 0-2.5	Soil	17.8	<1	23.2
584348-123		FF359B 0-2.5	Soil	173	1	27.6
584348-124		FF359B 2.5-5	Soil	141	<1	27.6
584348-125		FF359G 0-5	Soil	55.2	<1	32.8
584348-126		FF360F 0-2.5	Soil	35.8	<1	9.7
584348-127		FF360B 0-2.5	Soil	91.8	2	8.4
584348-128		FF361F 0-2.5	Soil	55.3	1	15.9
584348-129		FF363F 0-2.5	Soil	212	4	18.7
584348-130		FF363F 2.5-5	Soil	209	1	15.2
584348-131		FF363F 10-15	Soil	21.7	<1	43.7
584348-132		FF363B 0-2.5	Soil	157	2	16.1
584348-133		FF363B 2.5-5	Soil	104	<1	15.0
584348-134		FF363B 10-15	Soil	68.4	<1	19.8
584348-135		FF363G 0-5	Soil	81.9	<1	21.2
584348-136		FF364F 0-2.5	Soil	114	1	22.7
584348-137		FF365F 0-2.5	Soil	145	4	15.2
584348-138		FF365B 0-2.5	Soil	125	3	20.0
584348-139		FF365S 0-5	Soil	3.0	<1	5.5
584348-140		FF365G 0-5	Soil	62.7	<1	29.8
584348-141		FF366G 0-5	Soil	18.1	<1	38.9

Reference Number	Date Sampled	Sample Information	Sample Matrix	Selenium	Silver	Sulfur
Analyte				Selenium	Silver	Sulfur
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.3	0.1	300
584348-1		FF301F 0-2.5	Soil	5.1	1.0	3200
584348-2		FF301G 0-5	Soil	1.3	0.4	1500
584348-3		FF302F 0-2.5	Soil	5.1	1.0	2400
584348-4		FF302B 0-2.5	Soil	5.8	0.9	2100
584348-5		FF302S 0-5	Soil	0.3	<0.1	<300
584348-6		FF303F 0-2.5	Soil	1.3	0.3	3400
584348-7		FF303B 0-2.5	Soil	6.3	0.9	2400
584348-8		FF303G 0-5	Soil	1.1	0.1	2600
584348-9		FF304F 0-2.5	Soil	4.0	0.8	2900

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Selenium	Silver	Sulfur
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.3	0.1	300
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-10		FF304B 0-2.5	Soil	4.5	0.9	3400
584348-11		FF305F 0-2.5	Soil	6.6	1.2	2300
584348-12		FF305B 0-2.5	Soil	6.0	1.1	2800
584348-13		FF306B 0-2.5	Soil	6.4	1.2	3200
584348-14		FF306S 0-5	Soil	0.4	<0.1	<300
584348-15		FF307F 0-2.5	Soil	8.6	1.5	3000
584348-16		FF307B 0-2.5	Soil	4.7	0.9	1700
584348-17		FF308B 0-2.5	Soil	2.1	0.4	2100
584348-18		FF308B 10-15	Soil	1.5	0.3	1900
584348-19		FF309B 0-2.5	Soil	0.8	0.2	1500
584348-20		FF310F 0-2.5	Soil	3.6	0.7	2100
584348-21		FF310B 0-2.5	Soil	1.0	0.5	400
584348-22		FF311F 2.5-5	Soil	3.9	0.7	2700
584348-23		FF311F 10-15	Soil	1.3	0.4	500
584348-24		FF311G 0-5	Soil	1.4	0.3	800
584348-25		FF311B 0-2.5	Soil	1.7	0.4	1900
584348-26		FF312F 0-2.5	Soil	4.1	0.7	1900
584348-27		FF312B 0-2.5	Soil	3.6	0.9	2100
584348-28		FF313F 0-2.5	Soil	2.1	0.4	2200
584348-29		FF313B 0-2.5	Soil	2.1	0.4	2400
584348-30		FF314F 0-2.5	Soil	3.9	0.5	1700
584348-31		FF314B 0-2.5	Soil	2.8	0.4	1800
584348-32		FF314G 0-5	Soil	1.6	0.2	1800
584348-33		FF315F 0-2.5	Soil	3.6	0.7	3200
584348-34		FF315B 0-2.5	Soil	3.9	0.6	3600
584348-35		FF315G 0-5	Soil	1.0	0.2	800
584348-36		FF316F 0-2.5	Soil	3.5	0.7	2400
584348-37		FF316B 0-2.5	Soil	2.7	0.5	1500
584348-38		FF317F 0-2.5	Soil	0.8	0.2	1800
584348-39		FF317S 0-5	Soil	<0.3	<0.1	<300
584348-40		FF317B 0-2.5	Soil	4.4	0.9	3000
584348-41		FF317G 0-5	Soil	1.3	0.3	4400
584348-42		FF318F 0-2.5	Soil	3.1	0.4	2700
584348-43		FF318B 0-2.5	Soil	1.7	0.4	1500
584348-44		FF319F 0-2.5	Soil	3.5	0.6	2500
584348-45		FF319B 0-2.5	Soil	2.5	0.4	4300
584348-46		FF320F 0-2.5	Soil	2.7	0.6	4500
584348-47		FF320B 0-2.5	Soil	6.9	1.1	3700
584348-48		FF321F 0-2.5	Soil	3.9	1.6	2400

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Selenium	Silver	Sulfur
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.3	0.1	300
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-49		FF322F 0-2.5	Soil	0.5	0.2	130
584348-50		FF322B 0-2.5	Soil	2.1	0.5	160
584348-51		FF323F 0-2.5	Soil	6.3	1.0	180
584348-52		FF323F 2.5-5	Soil	1.1	0.3	80
584348-53		FF323F 10-15	Soil	<0.3	0.2	<30
584348-54		FF323B 0-2.5	Soil	2.9	0.5	160
584348-55		FF323B 2.5-5	Soil	0.8	0.2	50
584348-56		FF323B 10-15	Soil	1.0	0.3	60
584348-57		FF324F 0-2.5	Soil	2.1	0.3	150
584348-58		FF324G 0-5	Soil	0.8	0.2	100
584348-59		FF324B 0-2.5	Soil	1.4	0.4	190
584348-60		FF325F 0-2.5	Soil	3.5	0.9	330
584348-61		FF325B 0-2.5	Soil	1.9	0.3	340
584348-62		FF326F 0-2.5	Soil	4.0	0.6	320
584348-63		FF326B 0-2.5	Soil	4.3	0.7	380
584348-64		FF327F 0-2.5	Soil	0.4	<0.1	260
584348-65		FF327B 0-2.5	Soil	3.2	0.6	210
584348-66		FF328F 0-2.5	Soil	2.8	0.6	260
584348-67		FF329F 0-2.5	Soil	7.0	1.2	290
584348-68		FF329B 0-2.5	Soil	3.8	0.7	180
584348-69		FF330F 0-2.5	Soil	4.0	0.8	120
584348-70		FF330B 0-2.5	Soil	4.8	0.7	340
584348-71		FF331F 0-2.5	Soil	6.6	1.0	310
584348-72		FF332F 0-2.5	Soil	7.8	1.0	280
584348-73		FF332B 0-2.5	Soil	1.4	0.3	120
584348-74		FF333F 0-2.5	Soil	2.6	0.4	400
584348-75		FF333B 0-2.5	Soil	2.7	0.6	440
584348-76		FF334F 0-2.5	Soil	1.0	0.2	100
584348-77		FF335F 0-2.5	Soil	6.1	1.1	230
584348-78		FF336F 0-2.5	Soil	7.7	1.2	230
584348-79		FF336G 0-5	Soil	1.7	0.4	80
584348-80		FF337S 0-5	Soil	<0.3	<0.1	<300
584348-81		FF338F 0-2.5	Soil	2.4	0.5	1800
584348-82		FF338F 2.5-5	Soil	1.9	0.4	1000
584348-83		FF338F 10-15	Soil	0.3	<0.1	<300
584348-84		FF339F 0-2.5	Soil	1.4	0.3	980
584348-85		FF340F 0-2.5	Soil	6.0	0.9	2000
584348-86		FF341F 0-2.5	Soil	11.6	1.8	3200
584348-87		FF341B 0-2.5	Soil	1.5	0.3	1800

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Selenium	Silver	Sulfur
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.3	0.1	300
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-88		FF342F 0-2.5	Soil	8.1	1.5	2800
584348-89		FF342G 0-5	Soil	1.1	0.2	1600
584348-90		FF343F 0-2.5	Soil	10.4	1.6	2900
584348-91		FF343B 0-2.5	Soil	9.8	0.7	1700
584348-92		FF344F 0-2.5	Soil	11.0	1.7	3000
584348-93		FF344B 0-2.5	Soil	4.1	1	1200
584348-94		FF344G 0-5	Soil	1.8	0.6	2200
584348-95		FF345F 0-2.5	Soil	4.3	0.8	2300
584348-96		FF346F 0-2.5	Soil	4.5	0.9	2300
584348-97		FF347F 0-2.5	Soil	4.4	0.8	1500
584348-98		FF347G 0-5	Soil	0.7	0.2	700
584348-99		FF348F 0-2.5	Soil	1.7	0.5	1300
584348-100		FF348F 2.5-5	Soil	<0.3	0.3	<300
584348-101		FF348F 10-15	Soil	1.6	0.5	600
584348-102		FF349F 0-2.5	Soil	4.2	1.1	3300
584348-103		FF349G 0-5	Soil	0.7	0.2	900
584348-104		FF350F 0-2.5	Soil	6.8	1.5	3300
584348-105		FF350B 0-2.5	Soil	1.6	0.3	900
584348-106		FF351F 0-2.5	Soil	4.1	1	2400
584348-107		FF351B 0-2.5	Soil	4.6	1.1	2300
584348-108		FF351G 0-5	Soil	0.6	0.2	600
584348-109		FF352B 0-2.5	Soil	6.3	1.1	2400
584348-110		FF353F 0-2.5	Soil	1.2	0.3	1000
584348-111		FF353B 0-2.5	Soil	7.0	1.2	3000
584348-112		FF354G 0-5	Soil	1.2	0.3	1000
584348-113		FF355F 0-2.5	Soil	0.4	0.1	1300
584348-114		FF355B 0-2.5	Soil	3.4	0.6	2000
584348-115		FF356F 0-2.5	Soil	5.2	0.8	2300
584348-116		FF356B 0-2.5	Soil	2.7	0.4	800
584348-117		FF357F 0-2.5	Soil	2.6	0.5	2100
584348-118		FF357G 0-5	Soil	1.4	0.3	900
584348-119		FF362F 0-2.5	Soil	12.0	1.4	3100
584348-120		FF358G 0-5	Soil	0.5	0.2	500
584348-121		FF358F 0-2.5	Soil	5.0	0.8	1200
584348-122		FF359F 0-2.5	Soil	0.7	0.2	800
584348-123		FF359B 0-2.5	Soil	4.6	1.6	1500
584348-124		FF359B 2.5-5	Soil	2.2	2.9	1000
584348-125		FF359G 0-5	Soil	0.8	0.4	500
584348-126		FF360F 0-2.5	Soil	0.8	0.2	1200

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Selenium Strong Acid Extractable ug/g 0.3	Silver Strong Acid Extractable ug/g 0.1	Sulfur Strong Acid Extractable ug/g 300
584348-127		FF360B 0-2.5	Soil	2.1	0.6	2200
584348-128		FF361F 0-2.5	Soil	2.4	0.3	1700
584348-129		FF363F 0-2.5	Soil	6.7	1.3	3400
584348-130		FF363F 2.5-5	Soil	5.1	0.8	1600
584348-131		FF363F 10-15	Soil	<0.3	0.3	<300
584348-132		FF363B 0-2.5	Soil	6.0	1.2	3000
584348-133		FF363B 2.5-5	Soil	2.9	0.6	1600
584348-134		FF363B 10-15	Soil	1	0.3	600
584348-135		FF363G 0-5	Soil	1.4	0.4	800
584348-136		FF364F 0-2.5	Soil	3.4	0.6	2000
584348-137		FF365F 0-2.5	Soil	5.0	1.3	5600
584348-138		FF365B 0-2.5	Soil	4.4	1	3400
584348-139		FF365S 0-5	Soil	<0.3	<0.1	<300
584348-140		FF365G 0-5	Soil	1.4	0.9	1800
584348-141		FF366G 0-5	Soil	0.7	0.2	1100

Reference Number	Date Sampled	Sample Information	Sample Matrix	Thallium Strong Acid Extractable ug/g 0.05	Tin Strong Acid Extractable ug/g 1	Vanadium Strong Acid Extractable ug/g 0.1
584348-1		FF301F 0-2.5	Soil	1.51	<1	20.1
584348-2		FF301G 0-5	Soil	0.31	1	49.1
584348-3		FF302F 0-2.5	Soil	0.34	1	40.0
584348-4		FF302B 0-2.5	Soil	0.39	<1	43.2
584348-5		FF302S 0-5	Soil	0.07	1	27.6
584348-6		FF303F 0-2.5	Soil	0.14	<1	13.4
584348-7		FF303B 0-2.5	Soil	0.32	<1	32.4
584348-8		FF303G 0-5	Soil	0.16	<1	28.5
584348-9		FF304F 0-2.5	Soil	0.27	<1	33.6
584348-10		FF304B 0-2.5	Soil	0.22	<1	26.5
584348-11		FF305F 0-2.5	Soil	0.26	<1	23.3
584348-12		FF305B 0-2.5	Soil	0.18	<1	16.6
584348-13		FF306B 0-2.5	Soil	0.22	<1	17.4
584348-14		FF306S 0-5	Soil	<0.05	2	11.3
584348-15		FF307F 0-2.5	Soil	0.30	<1	27.4
584348-16		FF307B 0-2.5	Soil	0.30	1	39.7
584348-17		FF308B 0-2.5	Soil	0.31	1	42.7
584348-18		FF308B 10-15	Soil	0.27	1	44.9

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Thallium	Tin	Vanadium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.05	1	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-19		FF309B 0-2.5	Soil	0.13	1	20.5
584348-20		FF310F 0-2.5	Soil	0.40	1	66.4
584348-21		FF310B 0-2.5	Soil	0.48	2	80.4
584348-22		FF311F 2.5-5	Soil	0.32	<1	26.6
584348-23		FF311F 10-15	Soil	0.17	1	24.8
584348-24		FF311G 0-5	Soil	0.22	1	35.0
584348-25		FF311B 0-2.5	Soil	0.16	<1	19.5
584348-26		FF312F 0-2.5	Soil	0.24	1	36.7
584348-27		FF312B 0-2.5	Soil	0.25	1	29.2
584348-28		FF313F 0-2.5	Soil	0.33	<1	53.9
584348-29		FF313B 0-2.5	Soil	0.26	<1	38.9
584348-30		FF314F 0-2.5	Soil	0.24	<1	34.6
584348-31		FF314B 0-2.5	Soil	0.28	<1	43.9
584348-32		FF314G 0-5	Soil	0.30	1	53.9
584348-33		FF315F 0-2.5	Soil	0.19	<1	26.0
584348-34		FF315B 0-2.5	Soil	0.19	<1	28.1
584348-35		FF315G 0-5	Soil	0.14	1	24.6
584348-36		FF316F 0-2.5	Soil	0.16	<1	19.5
584348-37		FF316B 0-2.5	Soil	0.15	<1	20.7
584348-38		FF317F 0-2.5	Soil	0.16	<1	29.1
584348-39		FF317S 0-5	Soil	<0.05	1	10.8
584348-40		FF317B 0-2.5	Soil	0.22	<1	19.2
584348-41		FF317G 0-5	Soil	0.15	1	25.9
584348-42		FF318F 0-2.5	Soil	0.14	<1	18.0
584348-43		FF318B 0-2.5	Soil	0.12	<1	16.0
584348-44		FF319F 0-2.5	Soil	0.24	<1	19.4
584348-45		FF319B 0-2.5	Soil	0.12	<1	12.1
584348-46		FF320F 0-2.5	Soil	0.15	<1	15.5
584348-47		FF320B 0-2.5	Soil	0.22	<1	15.8
584348-48		FF321F 0-2.5	Soil	0.25	1	27.0
584348-49		FF322F 0-2.5	Soil	0.25	<1	41.9
584348-50		FF322B 0-2.5	Soil	0.30	1	50.1
584348-51		FF323F 0-2.5	Soil	0.34	<1	41.1
584348-52		FF323F 2.5-5	Soil	0.31	1	53.7
584348-53		FF323F 10-15	Soil	0.37	1	79.2
584348-54		FF323B 0-2.5	Soil	0.16	<1	24.1
584348-55		FF323B 2.5-5	Soil	0.22	1	42.1
584348-56		FF323B 10-15	Soil	0.20	2	34.7
584348-57		FF324F 0-2.5	Soil	0.27	1	45.4

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Thallium	Tin	Vanadium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.05	1	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-58		FF324G 0-5	Soil	0.28	<1	55.9
584348-59		FF324B 0-2.5	Soil	0.22	<1	36.6
584348-60		FF325F 0-2.5	Soil	0.19	1	24.1
584348-61		FF325B 0-2.5	Soil	0.18	1	35.9
584348-62		FF326F 0-2.5	Soil	0.29	<1	50.5
584348-63		FF326B 0-2.5	Soil	0.26	<1	39.0
584348-64		FF327F 0-2.5	Soil	0.06	2	15.8
584348-65		FF327B 0-2.5	Soil	0.24	<1	31.3
584348-66		FF328F 0-2.5	Soil	0.13	1	18.7
584348-67		FF329F 0-2.5	Soil	0.25	<1	28.8
584348-68		FF329B 0-2.5	Soil	0.32	1	44.4
584348-69		FF330F 0-2.5	Soil	0.28	1	41.3
584348-70		FF330B 0-2.5	Soil	0.17	<1	24.1
584348-71		FF331F 0-2.5	Soil	0.24	1	30.9
584348-72		FF332F 0-2.5	Soil	0.26	<1	32.0
584348-73		FF332B 0-2.5	Soil	0.22	1	36.8
584348-74		FF333F 0-2.5	Soil	0.15	1	19.4
584348-75		FF333B 0-2.5	Soil	0.16	1	15.4
584348-76		FF334F 0-2.5	Soil	0.07	1	14.8
584348-77		FF335F 0-2.5	Soil	0.21	<1	23.2
584348-78		FF336F 0-2.5	Soil	0.30	<1	35.4
584348-79		FF336G 0-5	Soil	0.27	1	44.0
584348-80		FF337S 0-5	Soil	<0.05	2	8.2
584348-81		FF338F 0-2.5	Soil	0.12	1	20.1
584348-82		FF338F 2.5-5	Soil	0.08	2	15.1
584348-83		FF338F 10-15	Soil	0.08	2	14.3
584348-84		FF339F 0-2.5	Soil	0.31	1	55.2
584348-85		FF340F 0-2.5	Soil	0.28	<1	37.2
584348-86		FF341F 0-2.5	Soil	0.31	<1	32.2
584348-87		FF341B 0-2.5	Soil	0.19	<1	34.9
584348-88		FF342F 0-2.5	Soil	0.27	1	34.0
584348-89		FF342G 0-5	Soil	0.1	1	19.7
584348-90		FF343F 0-2.5	Soil	0.47	<1	33.0
584348-91		FF343B 0-2.5	Soil	0.16	<1	19.2
584348-92		FF344F 0-2.5	Soil	0.33	<1	27.8
584348-93		FF344B 0-2.5	Soil	0.29	2	41.5
584348-94		FF344G 0-5	Soil	0.24	1	43.1
584348-95		FF345F 0-2.5	Soil	0.36	1	48.2
584348-96		FF346F 0-2.5	Soil	0.17	1	18.6

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Thallium	Tin	Vanadium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.05	1	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584348-97		FF347F 0-2.5	Soil	0.30	1	45.8
584348-98		FF347G 0-5	Soil	0.20	1	35.7
584348-99		FF348F 0-2.5	Soil	0.34	2	55.2
584348-100		FF348F 2.5-5	Soil	0.44	2	84.0
584348-101		FF348F 10-15	Soil	0.45	2	71.5
584348-102		FF349F 0-2.5	Soil	0.31	1	22.0
584348-103		FF349G 0-5	Soil	0.20	1	41.9
584348-104		FF350F 0-2.5	Soil	0.23	1	15.4
584348-105		FF350B 0-2.5	Soil	0.22	1	34.7
584348-106		FF351F 0-2.5	Soil	0.28	1	35.0
584348-107		FF351B 0-2.5	Soil	0.22	1	18.7
584348-108		FF351G 0-5	Soil	0.27	1	51.5
584348-109		FF352B 0-2.5	Soil	0.28	1	20.0
584348-110		FF353F 0-2.5	Soil	0.16	1	29.2
584348-111		FF353B 0-2.5	Soil	0.27	<1	17.4
584348-112		FF354G 0-5	Soil	0.20	1	34.3
584348-113		FF355F 0-2.5	Soil	0.08	1	17.3
584348-114		FF355B 0-2.5	Soil	0.26	3	34.4
584348-115		FF356F 0-2.5	Soil	0.19	<1	25.8
584348-116		FF356B 0-2.5	Soil	0.20	<1	37.0
584348-117		FF357F 0-2.5	Soil	0.27	1	48.8
584348-118		FF357G 0-5	Soil	0.31	1	54.4
584348-119		FF362F 0-2.5	Soil	0.24	<1	26.2
584348-120		FF358G 0-5	Soil	0.19	1	34.4
584348-121		FF358F 0-2.5	Soil	0.46	<1	64.1
584348-122		FF359F 0-2.5	Soil	0.22	<1	38.8
584348-123		FF359B 0-2.5	Soil	0.36	2	44.7
584348-124		FF359B 2.5-5	Soil	0.40	9	50.4
584348-125		FF359G 0-5	Soil	0.36	2	57.0
584348-126		FF360F 0-2.5	Soil	0.1	1	15.5
584348-127		FF360B 0-2.5	Soil	0.15	<1	15.0
584348-128		FF361F 0-2.5	Soil	0.15	<1	25.0
584348-129		FF363F 0-2.5	Soil	0.32	<1	27.9
584348-130		FF363F 2.5-5	Soil	0.23	<1	37.7
584348-131		FF363F 10-15	Soil	0.41	2	74.8
584348-132		FF363B 0-2.5	Soil	0.26	<1	30.6
584348-133		FF363B 2.5-5	Soil	0.16	<1	30.8
584348-134		FF363B 10-15	Soil	0.23	1	32.8
584348-135		FF363G 0-5	Soil	0.25	1	37.2

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Thallium Strong Acid Extractable ug/g 0.05	Tin Strong Acid Extractable ug/g 1	Vanadium Strong Acid Extractable ug/g 0.1
584348-136		FF364F 0-2.5	Soil	0.27	2	35.3
584348-137		FF365F 0-2.5	Soil	0.15	2	16.3
584348-138		FF365B 0-2.5	Soil	0.23	1	32.2
584348-139		FF365S 0-5	Soil	<0.05	2	8.2
584348-140		FF365G 0-5	Soil	0.28	3	48.7
584348-141		FF366G 0-5	Soil	0.17	1	31.0

Reference Number	Date Sampled	Sample Information	Sample Matrix	Zinc Strong Acid Extractable ug/g 1
584348-1		FF301F 0-2.5	Soil	3430
584348-2		FF301G 0-5	Soil	511
584348-3		FF302F 0-2.5	Soil	4160
584348-4		FF302B 0-2.5	Soil	3820
584348-5		FF302S 0-5	Soil	53
584348-6		FF303F 0-2.5	Soil	494
584348-7		FF303B 0-2.5	Soil	2320
584348-8		FF303G 0-5	Soil	150
584348-9		FF304F 0-2.5	Soil	1910
584348-10		FF304B 0-2.5	Soil	2940
584348-11		FF305F 0-2.5	Soil	3600
584348-12		FF305B 0-2.5	Soil	3790
584348-13		FF306B 0-2.5	Soil	4150
584348-14		FF306S 0-5	Soil	21
584348-15		FF307F 0-2.5	Soil	5490
584348-16		FF307B 0-2.5	Soil	2800
584348-17		FF308B 0-2.5	Soil	880
584348-18		FF308B 10-15	Soil	772
584348-19		FF309B 0-2.5	Soil	344
584348-20		FF310F 0-2.5	Soil	3350
584348-21		FF310B 0-2.5	Soil	1210
584348-22		FF311F 2.5-5	Soil	3170
584348-23		FF311F 10-15	Soil	612
584348-24		FF311G 0-5	Soil	711
584348-25		FF311B 0-2.5	Soil	684
584348-26		FF312F 0-2.5	Soil	1660
584348-27		FF312B 0-2.5	Soil	1640

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584348**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Zinc
			Description	Strong Acid Extractable
			Units	ug/g
			Detection Limit	1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584348-28		FF313F 0-2.5	Soil	824
584348-29		FF313B 0-2.5	Soil	1470
584348-30		FF314F 0-2.5	Soil	2010
584348-31		FF314B 0-2.5	Soil	1830
584348-32		FF314G 0-5	Soil	577
584348-33		FF315F 0-2.5	Soil	1030
584348-34		FF315B 0-2.5	Soil	1420
584348-35		FF315G 0-5	Soil	411
584348-36		FF316F 0-2.5	Soil	1910
584348-37		FF316B 0-2.5	Soil	1410
584348-38		FF317F 0-2.5	Soil	184
584348-39		FF317S 0-5	Soil	73
584348-40		FF317B 0-2.5	Soil	2220
584348-41		FF317G 0-5	Soil	437
584348-42		FF318F 0-2.5	Soil	782
584348-43		FF318B 0-2.5	Soil	730
584348-44		FF319F 0-2.5	Soil	1240
584348-45		FF319B 0-2.5	Soil	549
584348-46		FF320F 0-2.5	Soil	1090
584348-47		FF320B 0-2.5	Soil	3580
584348-48		FF321F 0-2.5	Soil	1890
584348-49		FF322F 0-2.5	Soil	160
584348-50		FF322B 0-2.5	Soil	1120
584348-51		FF323F 0-2.5	Soil	3290
584348-52		FF323F 2.5-5	Soil	1320
584348-53		FF323F 10-15	Soil	270
584348-54		FF323B 0-2.5	Soil	946
584348-55		FF323B 2.5-5	Soil	752
584348-56		FF323B 10-15	Soil	964
584348-57		FF324F 0-2.5	Soil	725
584348-58		FF324G 0-5	Soil	484
584348-59		FF324B 0-2.5	Soil	567
584348-60		FF325F 0-2.5	Soil	983
584348-61		FF325B 0-2.5	Soil	591
584348-62		FF326F 0-2.5	Soil	1260
584348-63		FF326B 0-2.5	Soil	1420
584348-64		FF327F 0-2.5	Soil	106
584348-65		FF327B 0-2.5	Soil	1900
584348-66		FF328F 0-2.5	Soil	874

Bodycote TESTING GROUP

Analytical Report

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	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Zinc
			Description	Strong Acid Extractable
			Units	ug/g
			Detection Limit	1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584348-67		FF329F 0-2.5	Soil	2460
584348-68		FF329B 0-2.5	Soil	2820
584348-69		FF330F 0-2.5	Soil	2800
584348-70		FF330B 0-2.5	Soil	2920
584348-71		FF331F 0-2.5	Soil	3120
584348-72		FF332F 0-2.5	Soil	1890
584348-73		FF332B 0-2.5	Soil	948
584348-74		FF333F 0-2.5	Soil	704
584348-75		FF333B 0-2.5	Soil	822
584348-76		FF334F 0-2.5	Soil	579
584348-77		FF335F 0-2.5	Soil	1920
584348-78		FF336F 0-2.5	Soil	1660
584348-79		FF336G 0-5	Soil	1010
584348-80		FF337S 0-5	Soil	12
584348-81		FF338F 0-2.5	Soil	998
584348-82		FF338F 2.5-5	Soil	933
584348-83		FF338F 10-15	Soil	418
584348-84		FF339F 0-2.5	Soil	864
584348-85		FF340F 0-2.5	Soil	1190
584348-86		FF341F 0-2.5	Soil	5650
584348-87		FF341B 0-2.5	Soil	372
584348-88		FF342F 0-2.5	Soil	2820
584348-89		FF342G 0-5	Soil	350
584348-90		FF343F 0-2.5	Soil	8240
584348-91		FF343B 0-2.5	Soil	1650
584348-92		FF344F 0-2.5	Soil	5400
584348-93		FF344B 0-2.5	Soil	2290
584348-94		FF344G 0-5	Soil	809
584348-95		FF345F 0-2.5	Soil	2230
584348-96		FF346F 0-2.5	Soil	1940
584348-97		FF347F 0-2.5	Soil	2450
584348-98		FF347G 0-5	Soil	563
584348-99		FF348F 0-2.5	Soil	665
584348-100		FF348F 2.5-5	Soil	218
584348-101		FF348F 10-15	Soil	1550
584348-102		FF349F 0-2.5	Soil	1830
584348-103		FF349G 0-5	Soil	325
584348-104		FF350F 0-2.5	Soil	1730
584348-105		FF350B 0-2.5	Soil	574

Bodycote TESTING GROUP

Analytical Report

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	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 31, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 13, 2007
	R3M 0S1	LSD:		Report Number:	1073817
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Zinc
			Description	Strong Acid Extractable
			Units	ug/g
			Detection Limit	1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584348-106		FF351F 0-2.5	Soil	1540
584348-107		FF351B 0-2.5	Soil	1350
584348-108		FF351G 0-5	Soil	431
584348-109		FF352B 0-2.5	Soil	2440
584348-110		FF353F 0-2.5	Soil	676
584348-111		FF353B 0-2.5	Soil	3380
584348-112		FF354G 0-5	Soil	821
584348-113		FF355F 0-2.5	Soil	198
584348-114		FF355B 0-2.5	Soil	2010
584348-115		FF356F 0-2.5	Soil	3080
584348-116		FF356B 0-2.5	Soil	1500
584348-117		FF357F 0-2.5	Soil	971
584348-118		FF357G 0-5	Soil	839
584348-119		FF362F 0-2.5	Soil	3540
584348-120		FF358G 0-5	Soil	387
584348-121		FF358F 0-2.5	Soil	2000
584348-122		FF359F 0-2.5	Soil	182
584348-123		FF359B 0-2.5	Soil	3110
584348-124		FF359B 2.5-5	Soil	2320
584348-125		FF359G 0-5	Soil	767
584348-126		FF360F 0-2.5	Soil	287
584348-127		FF360B 0-2.5	Soil	636
584348-128		FF361F 0-2.5	Soil	918
584348-129		FF363F 0-2.5	Soil	1530
584348-130		FF363F 2.5-5	Soil	1370
584348-131		FF363F 10-15	Soil	969
584348-132		FF363B 0-2.5	Soil	1300
584348-133		FF363B 2.5-5	Soil	1080
584348-134		FF363B 10-15	Soil	1200
584348-135		FF363G 0-5	Soil	1110
584348-136		FF364F 0-2.5	Soil	1800
584348-137		FF365F 0-2.5	Soil	1370
584348-138		FF365B 0-2.5	Soil	1270
584348-139		FF365S 0-5	Soil	18
584348-140		FF365G 0-5	Soil	824
584348-141		FF366G 0-5	Soil	327

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584348**
Control Number:	
Date Received:	Oct 31, 2007
Date Reported:	Nov 13, 2007
Report Number:	1073817

Approved by: L. Cross

Laura Cross, B.Sc. P.Ag
Operations Manager

Bodycote TESTING GROUP

Methodology and Notes

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584348**
Control Number:	
Date Received:	Oct 31, 2007
Date Reported:	Nov 13, 2007
Report Number:	1073817

Method of Analysis

Method Name	Reference		Method	Date Analysis Started	Location
Boron in general soil	McKeague	*	Hot Water Soluble Boron - Azomethine -H Method, 4.61	04-Nov-07	BTG Edmonton
Mercury (Hot Block) in Soil	US EPA	*	Determination of Hg in Sediment by Cold Vapor Atomic Absorption Spec, 245.5	05-Nov-07	BTG Edmonton
Mercury (Hot Block) in Soil	US EPA	*	Determination of Hg in Sediment by Cold Vapor Atomic Absorption Spec, 245.5	06-Nov-07	BTG Edmonton
Metals ICP-MS (Hot Block) in soil	SW-846	*	Acid Digestion of Sediments, Sludges, and Soils, EPA 3050B	05-Nov-07	BTG Edmonton

** Bodycote method(s) based on reference method*

References

McKeague	Manual on Soil Sampling and Methods of Analysis
SW-846	Test Methods for Evaluating Solid Waste
US EPA	US Environmental Protection Agency Test Methods

Comments:

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted.

Bodycote TESTING GROUP

LOT: 584177 Control Number

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:

Company: Jacques Whitford AXYS Ltd.
Address: 103-611 Corydon
Winnipeg, MB, CAN
R3M 0S1

QA/QC Report ☐

Report Result:

Attention: Darren Keam
Phone: (204) 475-9966
Fax: (204) 284-4795
Cell: (204) 795-7563
e-mail: dkeam@axys.net

Fax ☐ Mail ☐ Courier ☐ e-mail ☒ e-Service ☒

Copy of Report To: Copy of invoice: ☐ ☐

Company:
Address:

Mail invoice to this address for approval ☐

Report Result:

Attention:
Phone:
Fax:
Cell:
e-mail:

Fax ☐ Mail ☐ Courier ☐ e-mail ☐ e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH – Please contact the laboratory to confirm rush dates and times before submitting samples

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required:
Signature:
Bodycote Authorization:

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:

Received by: Sample Temp.
Waybill #: Date 30/10/07
Company Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet:

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TH44	MTS	Enter tests above (✓ relevant samples below)
1	FF 401 F 0-2.5				Soil	Comp			
2	FF 401 F 2.5-5								
3	FF 401 F 10-15								
4	FF 401 B 0-2.5								
5	FF 402 F 0-2.5								
6	FF 402 B 0-2.5								
7	FF 402 G 0-5								
8	FF 403 F 0-2.5								
9	FF 404 F 0-2.5								
10	FF 405 F 0-2.5								
11	FF 406 F 0-2.5								
12	FF 407 F 0-2.5								
13	FF 407 S 0-5								
14	FF 408 F 0-2.5								
15	FF 408 B 0-2.5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report ☐	Address:		Mail invoice to this address for approval ☐
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH – Please contact the laboratory to confirm rush dates and times before submitting samples.

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:
Received by: Sample Temp.
Waybill #: Date 30/10/07
Company Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for HUMAN CONSUMPTION

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TH44	MTS	Enter tests above (✓ relevant samples below)
1	FF408G 0-5				Soil	Soil	✓		
2	FF 409 0-2.5				"	"	✓		
3	FF 410 0-2.5				"	"	✓		
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Report Transmission Cover Page

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584177**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Approval Status:	Approved
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Invoice Frequency:	by Lot
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	COD Status:	
	R3M 0S1	LSD:		Control Number:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100	Date Received:	Oct 30, 2007
Sampled By:		Acct code:		Date Reported:	Nov 5, 2007
Company:				Report Number:	1069038

Contact	Company	Address
Jim Hicks	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: jhicks@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
David Whetter	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dwhetter@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
Darren Keam	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dkeam@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

_____ PAGES IN THIS TRANSMISSION

Notes To Clients:

Reports associated with this Lot

Id/Format/Report Date	Id/Format/Report Date	Id/Format/Report Date

Bodycote TESTING GROUP

Sample Custody

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584177**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069038

Sample Disposal Date: December 05, 2007

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the bottom of this page.

☐ Extend Sample Storage Until _____ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	$ 10.00
Storage for 6 to 20 samples per month	$ 15.00
Storage for 21 to 50 samples per month	$ 30.00
Storage for 51 to 200 samples per month	$ 60.00
Storage for more than 200 samples per month	$ 110.00

☐ Return Sample, collect, to the address below via:

- ☐ Greyhound
- ☐ Loomis
- ☐ Purolator
- ☐ Other (specify) _____

Name _____

Company _____

Address _____

_____

Phone _____

Fax _____

Signature _____

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584177**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069038

Hot Water Soluble

			Analyte	Boron
			Description	Water Soluble
			Units	ug/g
			Detection Limit	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584177-1		FF401F 0-2.5	Soil	0.8
584177-2		FF401F 2.5-5	Soil	0.6
584177-3		FF401F 10-15	Soil	0.6
584177-4		FF401B 0-2.5	Soil	1.0
584177-5		FF402F 0-2.5	Soil	0.6
584177-6		FF402B 0-2.5	Soil	1.1
584177-7		FF402G 0-5	Soil	2.5
584177-8		FF403F 0-2.5	Soil	1.1
584177-9		FF404F 0-2.5	Soil	3.7
584177-10		FF405F 0-2.5	Soil	1.4
584177-11		FF406F 0-2.5	Soil	2.0
584177-12		FF407F 0-2.5	Soil	1.1
584177-13		FF407S 0-5	Soil	<0.2
584177-14		FF408F 0-2.5	Soil	1
584177-15		FF408B 0-2.5	Soil	0.6
584177-16		FF408G 0-5	Soil	1.5
584177-17		FF409 0-2.5	Soil	1.0
584177-18		FF410 0-2.5	Soil	0.7

Metals Strong Acid Digestion

			Analyte	Mercury	Antimony	Arsenic
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.01	0.2	0.2
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584177-1		FF401F 0-2.5	Soil	0.05	<0.2	5.9
584177-2		FF401F 2.5-5	Soil	0.08	<0.2	3.7
584177-3		FF401F 10-15	Soil	0.06	<0.2	9.6
584177-4		FF401B 0-2.5	Soil	1.22	<0.2	12.2
584177-5		FF402F 0-2.5	Soil	0.31	0.2	8.9
584177-6		FF402B 0-2.5	Soil	2.4	1.2	25.4
584177-7		FF402G 0-5	Soil	0.55	0.6	15.6
584177-8		FF403F 0-2.5	Soil	2.23	0.3	11.0
584177-9		FF404F 0-2.5	Soil	5.5	0.5	16.8
584177-10		FF405F 0-2.5	Soil	0.10	<0.2	6.8
584177-11		FF406F 0-2.5	Soil	7.0	0.8	31.4
584177-12		FF407F 0-2.5	Soil	1.05	0.3	15.2
584177-13		FF407S 0-5	Soil	<0.01	<0.2	0.9

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584177**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069038

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Mercury	Antimony	Arsenic
Analyte				Mercury	Antimony	Arsenic
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.01	0.2	0.2
584177-14		FF408F 0-2.5	Soil	4.8	0.7	17.1
584177-15		FF408B 0-2.5	Soil	4.0	0.4	13.7
584177-16		FF408G 0-5	Soil	0.46	<0.2	7.6
584177-17		FF409 0-2.5	Soil	2.31	0.2	12.7
584177-18		FF410 0-2.5	Soil	3.4	0.4	35.7

Reference Number	Date Sampled	Sample Information	Sample Matrix	Barium	Beryllium	Cadmium
Analyte				Barium	Beryllium	Cadmium
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				1	0.1	0.01
584177-1		FF401F 0-2.5	Soil	161	0.6	1.19
584177-2		FF401F 2.5-5	Soil	66	0.2	0.46
584177-3		FF401F 10-15	Soil	176	0.7	1.07
584177-4		FF401B 0-2.5	Soil	96	0.4	3.92
584177-5		FF402F 0-2.5	Soil	88	0.2	2.94
584177-6		FF402B 0-2.5	Soil	125	0.2	12.8
584177-7		FF402G 0-5	Soil	151	0.2	5.26
584177-8		FF403F 0-2.5	Soil	44	0.2	9.64
584177-9		FF404F 0-2.5	Soil	114	0.5	20.6
584177-10		FF405F 0-2.5	Soil	213	0.6	0.89
584177-11		FF406F 0-2.5	Soil	131	0.6	20.7
584177-12		FF407F 0-2.5	Soil	120	0.5	8.13
584177-13		FF407S 0-5	Soil	37	0.2	0.30
584177-14		FF408F 0-2.5	Soil	66	0.3	15.4
584177-15		FF408B 0-2.5	Soil	75	0.2	9.27
584177-16		FF408G 0-5	Soil	113	0.5	2.32
584177-17		FF409 0-2.5	Soil	162	0.6	8.22
584177-18		FF410 0-2.5	Soil	172	0.7	14.3

Reference Number	Date Sampled	Sample Information	Sample Matrix	Chromium	Cobalt	Copper
Analyte				Chromium	Cobalt	Copper
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.5	0.1	1
584177-1		FF401F 0-2.5	Soil	18.4	6.7	43
584177-2		FF401F 2.5-5	Soil	13.0	3.2	22
584177-3		FF401F 10-15	Soil	65.4	12.0	64
584177-4		FF401B 0-2.5	Soil	32.6	7.4	165

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584177**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069038
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Chromium	Cobalt	Copper
Analyte				Chromium	Cobalt	Copper
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.5	0.1	1
584177-5		FF402F 0-2.5	Soil	23.2	5.4	118
584177-6		FF402B 0-2.5	Soil	31.4	7.4	468
584177-7		FF402G 0-5	Soil	22.8	4.8	195
584177-8		FF403F 0-2.5	Soil	14.1	3.3	332
584177-9		FF404F 0-2.5	Soil	42.8	10.6	660
584177-10		FF405F 0-2.5	Soil	24.4	8.2	38
584177-11		FF406F 0-2.5	Soil	39.3	13.3	700
584177-12		FF407F 0-2.5	Soil	39.2	8.6	281
584177-13		FF407S 0-5	Soil	11.1	2.2	18
584177-14		FF408F 0-2.5	Soil	25.0	5.8	540
584177-15		FF408B 0-2.5	Soil	25.5	5.4	284
584177-16		FF408G 0-5	Soil	36.4	9.3	95
584177-17		FF409 0-2.5	Soil	59.9	12.6	290
584177-18		FF410 0-2.5	Soil	71.0	20.6	630

Reference Number	Date Sampled	Sample Information	Sample Matrix	Lead	Molybdenum	Nickel
Analyte				Lead	Molybdenum	Nickel
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.1	1	0.5
584177-1		FF401F 0-2.5	Soil	12.2	<1	21.0
584177-2		FF401F 2.5-5	Soil	10.0	<1	11.9
584177-3		FF401F 10-15	Soil	43.5	<1	33.5
584177-4		FF401B 0-2.5	Soil	74.3	<1	19.1
584177-5		FF402F 0-2.5	Soil	56.4	<1	15.1
584177-6		FF402B 0-2.5	Soil	226	<1	15.4
584177-7		FF402G 0-5	Soil	107	<1	12.2
584177-8		FF403F 0-2.5	Soil	68.7	<1	9.5
584177-9		FF404F 0-2.5	Soil	136	2	27.8
584177-10		FF405F 0-2.5	Soil	13.4	<1	24.6
584177-11		FF406F 0-2.5	Soil	266	1	24.3
584177-12		FF407F 0-2.5	Soil	71.4	1	22.5
584177-13		FF407S 0-5	Soil	2.0	<1	6.3
584177-14		FF408F 0-2.5	Soil	163	<1	13.2
584177-15		FF408B 0-2.5	Soil	90.3	<1	13.7
584177-16		FF408G 0-5	Soil	31.3	<1	24.2
584177-17		FF409 0-2.5	Soil	70.7	<1	35.3
584177-18		FF410 0-2.5	Soil	183	<1	37.2

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584177**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069038

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Selenium Strong Acid Extractable ug/g	Silver Strong Acid Extractable ug/g	Sulfur Strong Acid Extractable ug/g
		Detection Limit		0.3	0.1	300
584177-1		FF401F 0-2.5	Soil	0.5	0.2	800
584177-2		FF401F 2.5-5	Soil	0.4	<0.1	1200
584177-3		FF401F 10-15	Soil	<0.3	0.2	<300
584177-4		FF401B 0-2.5	Soil	0.8	0.3	400
584177-5		FF402F 0-2.5	Soil	0.3	0.2	400
584177-6		FF402B 0-2.5	Soil	2.3	0.6	1100
584177-7		FF402G 0-5	Soil	1.1	0.4	600
584177-8		FF403F 0-2.5	Soil	1.8	0.4	900
584177-9		FF404F 0-2.5	Soil	3.0	0.7	4100
584177-10		FF405F 0-2.5	Soil	0.5	0.2	1300
584177-11		FF406F 0-2.5	Soil	4.0	1	2600
584177-12		FF407F 0-2.5	Soil	1.7	0.8	1200
584177-13		FF407S 0-5	Soil	<0.3	<0.1	<300
584177-14		FF408F 0-2.5	Soil	3.1	0.6	1300
584177-15		FF408B 0-2.5	Soil	1.9	0.5	900
584177-16		FF408G 0-5	Soil	0.7	0.2	700
584177-17		FF409 0-2.5	Soil	1.6	0.5	1100
584177-18		FF410 0-2.5	Soil	3.0	0.9	1000

Reference Number	Date Sampled	Sample Information	Sample Matrix	Thallium Strong Acid Extractable ug/g	Tin Strong Acid Extractable ug/g	Vanadium Strong Acid Extractable ug/g
		Detection Limit		0.05	1	0.1
584177-1		FF401F 0-2.5	Soil	0.19	3	33.4
584177-2		FF401F 2.5-5	Soil	0.08	3	16.9
584177-3		FF401F 10-15	Soil	0.35	4	66.6
584177-4		FF401B 0-2.5	Soil	0.17	3	32.7
584177-5		FF402F 0-2.5	Soil	0.11	3	21.3
584177-6		FF402B 0-2.5	Soil	0.20	3	19.7
584177-7		FF402G 0-5	Soil	0.12	4	19.0
584177-8		FF403F 0-2.5	Soil	0.09	3	13.3
584177-9		FF404F 0-2.5	Soil	0.28	3	46.3
584177-10		FF405F 0-2.5	Soil	0.23	2	38.8
584177-11		FF406F 0-2.5	Soil	0.38	2	41.4
584177-12		FF407F 0-2.5	Soil	0.24	3	39.8
584177-13		FF407S 0-5	Soil	<0.05	4	13.0
584177-14		FF408F 0-2.5	Soil	0.19	2	26.0
584177-15		FF408B 0-2.5	Soil	0.17	3	24.8

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584177**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069038
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Thallium	Tin	Vanadium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.05	1	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584177-16		FF408G 0-5	Soil	0.21	3	42.3
584177-17		FF409 0-2.5	Soil	0.35	3	60.2
584177-18		FF410 0-2.5	Soil	0.49	3	75.1

			Analyte	Zinc
			Description	Strong Acid Extractable
			Units	ug/g
			Detection Limit	1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584177-1		FF401F 0-2.5	Soil	88
584177-2		FF401F 2.5-5	Soil	68
584177-3		FF401F 10-15	Soil	246
584177-4		FF401B 0-2.5	Soil	655
584177-5		FF402F 0-2.5	Soil	515
584177-6		FF402B 0-2.5	Soil	2960
584177-7		FF402G 0-5	Soil	1020
584177-8		FF403F 0-2.5	Soil	1140
584177-9		FF404F 0-2.5	Soil	1190
584177-10		FF405F 0-2.5	Soil	117
584177-11		FF406F 0-2.5	Soil	5680
584177-12		FF407F 0-2.5	Soil	706
584177-13		FF407S 0-5	Soil	18
584177-14		FF408F 0-2.5	Soil	3000
584177-15		FF408B 0-2.5	Soil	1310
584177-16		FF408G 0-5	Soil	438
584177-17		FF409 0-2.5	Soil	1270
584177-18		FF410 0-2.5	Soil	3350

Approved by:

Anthony Neumann, MSc
Laboratory Operations Manager

Bodycote TESTING GROUP

Quality Control

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584177**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069038

Hot Water Soluble

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Boron	ug/g	<0.2	0.0	-0.1	0.2	yes
Material Used:	Edmonton Method Blank					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
Boron	ug/g	0.7	0.7	10.0	0.1	yes
Material Used:	Edmonton Duplicate					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Boron	ug/g	1.5	1.5	1.0	2.0	yes
Material Used:	2007 Farmsoil Standard					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					
Boron	ug/g	0.1	0.1	-0.0	0.3	yes
Material Used:	Edmonton Calibration Check					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					

Metals Strong Acid Digestion

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Mercury	ug/g	<0.01	0.01	-0.07	0.09	yes
Antimony	ug/g	<0.2	0.0	-0.7	0.8	yes
Arsenic	ug/g	<0.2	0.0	-0.1	0.2	yes
Barium	ug/g	<1	0	-1	2	yes
Beryllium	ug/g	<0.1	0.0	-0.0	0.0	yes
Cadmium	ug/g	<0.01	0.02	-0.22	0.27	yes
Chromium	ug/g	<0.5	0.0	-0.3	0.3	yes
Cobalt	ug/g	<0.1	0.0	-0.1	0.1	yes
Copper	ug/g	<1	0	-1	2	yes
Lead	ug/g	0.2	0.0	-0.6	0.6	yes
Molybdenum	ug/g	<1	0	-0	0	yes
Nickel	ug/g	<0.5	0.4	-1.1	1.9	yes
Selenium	ug/g	<0.3	-0.1	-3.1	2.9	yes
Silver	ug/g	<0.1	0.0	-0.6	0.6	yes
Thallium	ug/g	<0.05	0.00	-0.00	0.01	yes
Tin	ug/g	5	4	1	7	yes
Vanadium	ug/g	<0.1	0.0	-0.1	0.1	yes
Zinc	ug/g	1	1	-0	3	yes

Bodycote TESTING GROUP

Quality Control

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584177**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069038

Metals Strong Acid Digestion - Continued

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Material Used:	Edmonton Method Blank					
Date Acquired:	November 01, 2007					
Acquired By:	Alexsandra Robert					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
Mercury	ug/g	0.10	0.10	9.99	0.03	yes
Antimony	ug/g	<0.2	<0.2	20.0	0.4	yes
Arsenic	ug/g	7.6	6.9	20.0	0.4	yes
Barium	ug/g	161	164	20	2	yes
Beryllium	ug/g	0.6	0.6	20.0	0.2	yes
Cadmium	ug/g	2.32	2.16	20.01	0.02	yes
Chromium	ug/g	36.4	36.7	20.0	1.1	yes
Cobalt	ug/g	9.3	8.0	20.0	0.2	yes
Copper	ug/g	95	92	20	2	yes
Lead	ug/g	31.3	29.1	20.0	0.2	yes
Molybdenum	ug/g	<1	<1	20	2	yes
Nickel	ug/g	24.2	23.1	20.0	1.1	yes
Selenium	ug/g	0.7	0.7	20.0	0.7	yes
Silver	ug/g	0.2	0.2	20.0	0.2	yes
Thallium	ug/g	0.21	0.22	20.01	0.11	yes
Tin	ug/g	3	3	20	2	yes
Vanadium	ug/g	42.3	42.5	20.0	0.2	yes
Zinc	ug/g	88	85	20	2	yes
Material Used:	Edmonton Duplicate					
Date Acquired:	November 01, 2007					
Acquired By:	Alexsandra Robert					

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Mercury	ug/g	0.27	0.30	0.18	0.42	yes
Antimony	ug/g	0.7	0.6	0.1	1.0	yes
Arsenic	ug/g	93.2	91.1	61.4	120.8	yes
Barium	ug/g	287	262	188	336	yes
Beryllium	ug/g	1.1	0.9	0.6	1.2	yes
Cadmium	ug/g	2.34	2.09	1.28	2.90	yes
Chromium	ug/g	42.7	45.4	29.8	61.0	yes
Cobalt	ug/g	14.4	14.2	9.8	18.6	yes
Copper	ug/g	215	205	147	262	yes
Lead	ug/g	126	123.3	84.9	161.7	yes
Molybdenum	ug/g	3	3	2	4	yes
Nickel	ug/g	66.7	65.1	42.9	87.3	yes
Selenium	ug/g	0.4	0.7	0.3	1.1	yes
Silver	ug/g	1.0	1.0	0.6	1.5	yes
Thallium	ug/g	0.37	0.38	0.26	0.50	yes

Bodycote TESTING GROUP

Quality Control

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584177**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069038

Metals Strong Acid Digestion - Continued

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Tin	ug/g	6	4	1	7	yes
Vanadium	ug/g	52.0	48.0	32.6	63.4	yes
Zinc	ug/g	569	523	331	715	yes

Material Used: Metals Soil SS-2
Date Acquired: November 01, 2007
Acquired By: Alexsandra Robert

Bodycote TESTING GROUP

Methodology and Notes

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584177**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069038

Method of Analysis

Method Name	Reference		Method	Date Analysis Started	Location
Boron in general soil	McKeague	*	Hot Water Soluble Boron - Azomethine -H Method, 4.61	31-Oct-07	BTG Edmonton
Mercury (Hot Block) in Soil	US EPA	*	Determination of Hg in Sediment by Cold Vapor Atomic Absorption Spec, 245.5	01-Nov-07	BTG Edmonton
Metals ICP-MS (Hot Block) in soil	SW-846	*	Acid Digestion of Sediments, Sludges, and Soils, EPA 3050B	31-Oct-07	BTG Edmonton

** Bodycote method(s) based on reference method*

References

McKeague	Manual on Soil Sampling and Methods of Analysis
SW-846	Test Methods for Evaluating Solid Waste
US EPA	US Environmental Protection Agency Test Methods

Comments:

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted.

584197

Bodycote TESTING GROUP

LOT: [ ] Control Number [ ]

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:

Company: Jacques Whitford AXYS Ltd.
Address: 103-611 Corydon, Winnipeg, MB, CAN, R3M 0S1
QA/QC Report [ ]

Attention: Darren Keam
Phone: (204) 475-9966
Fax: (204) 284-4795
Cell: (204) 795-7563
e-mail: dkeam@axys.net

Report Result:
Fax [ ]
Mail [ ]
Courier [ ]
e-mail [X]
e-Service [X]

Copy of Report To: Copy of invoice: [ ]

Company:
Address:
Mail invoice to this address for approval [ ]

Attention:
Phone:
Fax:
Cell:
e-mail:

Report Result:
Fax [ ]
Mail [ ]
Courier [ ]
e-mail [ ]
e-Service [ ]

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH – Please contact the laboratory to confirm rush dates and times before submitting samples.

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis [ ] or As indicated [ ]
Date Required:
Signature:
Bodycote Authorization:

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:
Received by: AB Sample Temp.
Waybill #: Date 30/10/07
Company Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet:

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

[ ] Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

[ ] Check here if you are testing POTABLE WATER for HUMAN CONSUMPTION

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers TR44	Number of Containers MTS	Enter tests above (✓ relevant samples below)
1	FF501N 0-2.5				Soil	Comp			
2	FF501N 2.5-5								
3	FF501N 10-15								
4	FF502N 0-2.5, 2.5-5								
5	FF503N 0-2.5								
6	FF504N 0-2.5								
7	FF505N 0-2.5								
8	FF506N 0-2.5								
9	FF506N 2.5-5								
10	FF507N 0-2.5, 2.5-5, 10-15								
11	FF508N 0-2.5								
12	FF508N 2.5-5								
13	FF508N 10-15								
14	FF509N 2.5-5 0-2.5								
15	FF510N 0.5-2.5								

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report ☐	Address:		Mail invoice to this address for approval ☐
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH Please contact the laboratory to confirm rush dates and times before submitting samples.

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:
Received by: AB Sample Temp.
Waybill #: Date 30/10/07
Company Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN	Depth CM	Depth M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TPH	MTS	Enter tests above (✓ relevant samples below)
1	FF511N ~~0-2.5~~ 0.-5						Soil	Loop			
2	FF512N 0.-2.5										
3	FF513N 0-2.5										
4	FF514N 0-2.5										
5	FF515N 0-2.5										
6	FF516N 0-2.5										
7	FF517N 0-2.5										
8	FF517~~85~~ 0-~~2.5~~										
9	FF518N 0-2.5										
10	FF519N 0-2.5										
11	FF520N 0-2.5										
12	FF521F 0-2.5										
13	FF521F 2.5-5										
~~14~~	~~FF521F 10-15~~										
15	FF521B 0-2.5										

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:

Company: Jacques Whitford AXYS Ltd.
Address: 103-611 Corydon, Winnipeg, MB, CAN, R3M 0S1
QA/QC Report ☐

Attention: Darren Keam
Phone: (204) 475-9966
Fax: (204) 284-4795
Cell: (204) 795-7563
e-mail: dkeam@axys.net

Report Result:
Fax ☐
Mail ☐
Courier ☐
e-mail ☒
e-Service ☒

Copy of Report To: Copy of invoice: ☐

Company:
Address:
Mail invoice to this address for approval ☐

Attention:
Phone:
Fax:
Cell:
e-mail:

Report Result:
Fax ☐
Mail ☐
Courier ☐
e-mail ☐
e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH Please contact the laboratory to confirm rush dates and times before submitting samples.

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:

Received by: AB Sample Temp.
Waybill #: Date 30/10/07
Company Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN CM M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TT44	MTS	Enter tests above (✓ relevant samples below)
1	FF521G 0-2.5				Soil	Comp	✓		
2	FF522 NO-2.5				Soil		✓		
3	FF523 NO-2.5				Soil		✓		
4	~~FF524 F 0-2.5~~								
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Report Transmission Cover Page

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584197**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Approval Status:	Approved
	103-611 Corydon	Name:	HBMS_Soil_Sample	Invoice Frequency:	by Lot
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	COD Status:	
	R3M 0S1	LSD:		Control Number:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100	Date Received:	Oct 30, 2007
Sampled By:		Acct code:		Date Reported:	Nov 5, 2007
Company:				Report Number:	1069083

Contact	Company	Address
Jim Hicks	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: jhicks@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
David Whetter	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dwhetter@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
Darren Keam	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dkeam@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

_____ PAGES IN THIS TRANSMISSION

Notes To Clients:

Reports associated with this Lot

Id/Format/Report Date	Id/Format/Report Date	Id/Format/Report Date

Bodycote TESTING GROUP

Sample Custody

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sample
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584197**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069083

Sample Disposal Date: December 05, 2007

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the bottom of this page.

☐ Extend Sample Storage Until _____ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	$ 10.00
Storage for 6 to 20 samples per month	$ 15.00
Storage for 21 to 50 samples per month	$ 30.00
Storage for 51 to 200 samples per month	$ 60.00
Storage for more than 200 samples per month	$ 110.00

☐ Return Sample, collect, to the address below via:

- ☐ Greyhound
- ☐ Loomis
- ☐ Purolator
- ☐ Other (specify) _____

Name _____

Company _____

Address _____

_____

Phone _____

Fax _____

Signature _____

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sample
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584197**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069083

Hot Water Soluble

			Analyte	Boron
			Description	Water Soluble
			Units	ug/g
			Detection Limit	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584197-1		FF501N 0-2.5	Soil	0.5
584197-2		FF501N 2.5-5	Soil	0.3
584197-3		FF501N 10-15	Soil	<0.2
584197-4		FF502N 0-2.5	Soil	0.3
584197-5		FF502N 2.5-5	Soil	<0.2
584197-6		FF503N 0-2.5	Soil	2
584197-7		FF504N 0-2.5	Soil	0.4
584197-8		FF505N 0-2.5	Soil	0.2
584197-9		FF506N 0-2.5	Soil	2
584197-10		FF506N 2.5-5	Soil	0.3
584197-11		FF507N 0-2.5	Soil	1
584197-12		FF507N 2.5-5	Soil	0.6
584197-13		FF507N 10-15	Soil	<0.2
584197-14		FF508N 0-2.5	Soil	0.6
584197-15		FF508N 2.5-5	Soil	0.8
584197-16		FF508N 10-15	Soil	0.7
584197-17		FF509N 0-2.5	Soil	0.9
584197-18		FF510N 0-2.5	Soil	3.4
584197-19		FF511N 0-5	Soil	<0.2
584197-20		FF512N 0-2.5	Soil	1.1
584197-21		FF513N 0-2.5	Soil	0.7
584197-22		FF514N 0-2.5	Soil	0.3
584197-23		FF515N 0-2.5	Soil	0.2
584197-24		FF516N 0-2.5	Soil	0.3
584197-25		FF517N 0-2.5	Soil	0.3
584197-26		FF517S 0-5	Soil	<0.2
584197-27		FF518N 0-2.5	Soil	0.4
584197-28		FF519N 0-2.5	Soil	0.3
584197-29		FF520N 0-2.5	Soil	2
584197-30		FF521F 0-2.5	Soil	<0.2
584197-31		FF521F 2.5-5	Soil	0.4
584197-32		FF521B 0-2.5	Soil	2
584197-33		FF521G 0-5	Soil	2.5
584197-34		FF522N 0-2.5	Soil	9.9
584197-35		FF523N 0-2.5	Soil	0.9

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sample
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584197**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069083

Metals Strong Acid Digestion

			Analyte	Mercury	Antimony	Arsenic
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.01	0.2	0.2
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584197-1		FF501N 0-2.5	Soil	0.28	<0.2	14.8
584197-2		FF501N 2.5-5	Soil	0.18	<0.2	8.2
584197-3		FF501N 10-15	Soil	0.20	<0.2	7.2
584197-4		FF502N 0-2.5	Soil	2.7	0.5	78.1
584197-5		FF502N 2.5-5	Soil	0.95	0.4	41.7
584197-6		FF503N 0-2.5	Soil	34.5	10.4	943
584197-7		FF504N 0-2.5	Soil	34.2	2.1	249
584197-8		FF505N 0-2.5	Soil	2.9	0.7	49.8
584197-9		FF506N 0-2.5	Soil	16.1	5.4	71.1
584197-10		FF506N 2.5-5	Soil	1.2	0.9	25.8
584197-11		FF507N 0-2.5	Soil	17.2	4.1	67.0
584197-12		FF507N 2.5-5	Soil	7.4	2.4	44.8
584197-13		FF507N 10-15	Soil	0.59	<0.2	11.4
584197-14		FF508N 0-2.5	Soil	2180	3.7	468
584197-15		FF508N 2.5-5	Soil	1040	1.6	231
584197-16		FF508N 10-15	Soil	14.4	<0.2	36.5
584197-17		FF509N 0-2.5	Soil	237	7.6	561
584197-18		FF510N 0-2.5	Soil	86	0.6	34.8
584197-19		FF511N 0-5	Soil	0.11	<0.2	6.7
584197-20		FF512N 0-2.5	Soil	2.0	1.4	67.6
584197-21		FF513N 0-2.5	Soil	0.04	0.2	30.9
584197-22		FF514N 0-2.5	Soil	0.15	0.5	30.3
584197-23		FF515N 0-2.5	Soil	0.14	<0.2	9.2
584197-24		FF516N 0-2.5	Soil	0.08	<0.2	6.2
584197-25		FF517N 0-2.5	Soil	0.03	<0.2	2.5
584197-26		FF517S 0-5	Soil	0.17	<0.2	4.1
584197-27		FF518N 0-2.5	Soil	5.0	1.2	86.4
584197-28		FF519N 0-2.5	Soil	1.8	0.6	51.8
584197-29		FF520N 0-2.5	Soil	0.16	0.5	8.1
584197-30		FF521F 0-2.5	Soil	0.14	<0.2	10.3
584197-31		FF521F 2.5-5	Soil	0.15	0.3	22.8
584197-32		FF521B 0-2.5	Soil	0.38	0.4	3.7
584197-33		FF521G 0-5	Soil	0.55	0.2	26.4
584197-34		FF522N 0-2.5	Soil	9.1	1.6	45.9
584197-35		FF523N 0-2.5	Soil	0.04	0.6	12.9

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584197**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sample	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069083
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Barium	Beryllium	Cadmium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	1	0.1	0.01
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584197-1		FF501N 0-2.5	Soil	137	0.7	3.17
584197-2		FF501N 2.5-5	Soil	113	0.5	0.83
584197-3		FF501N 10-15	Soil	86	0.5	0.91
584197-4		FF502N 0-2.5	Soil	77	0.5	9.71
584197-5		FF502N 2.5-5	Soil	74	0.5	8.46
584197-6		FF503N 0-2.5	Soil	81	0.1	19.0
584197-7		FF504N 0-2.5	Soil	122	0.3	15.9
584197-8		FF505N 0-2.5	Soil	51	0.1	8.81
584197-9		FF506N 0-2.5	Soil	138	0.1	44.0
584197-10		FF506N 2.5-5	Soil	61	<0.1	12.6
584197-11		FF507N 0-2.5	Soil	137	0.2	37.4
584197-12		FF507N 2.5-5	Soil	146	0.2	22.8
584197-13		FF507N 10-15	Soil	49	<0.1	3.61
584197-14		FF508N 0-2.5	Soil	152	0.3	41.0
584197-15		FF508N 2.5-5	Soil	266	0.6	66.3
584197-16		FF508N 10-15	Soil	218	0.9	12.2
584197-17		FF509N 0-2.5	Soil	246	0.2	85.7
584197-18		FF510N 0-2.5	Soil	174	0.5	21.0
584197-19		FF511N 0-5	Soil	88	0.4	0.71
584197-20		FF512N 0-2.5	Soil	106	0.3	19.3
584197-21		FF513N 0-2.5	Soil	92	0.4	9.27
584197-22		FF514N 0-2.5	Soil	62	0.2	3.62
584197-23		FF515N 0-2.5	Soil	22	0.1	1.47
584197-24		FF516N 0-2.5	Soil	196	1.0	0.53
584197-25		FF517N 0-2.5	Soil	47	0.2	0.38
584197-26		FF517S 0-5	Soil	22	0.2	0.17
584197-27		FF518N 0-2.5	Soil	58	0.2	10.8
584197-28		FF519N 0-2.5	Soil	65	0.2	9.56
584197-29		FF520N 0-2.5	Soil	89	0.3	12.9
584197-30		FF521F 0-2.5	Soil	162	0.6	1.90
584197-31		FF521F 2.5-5	Soil	66	0.2	1.19
584197-32		FF521B 0-2.5	Soil	76	0.2	5.78
584197-33		FF521G 0-5	Soil	184	0.5	3.68
584197-34		FF522N 0-2.5	Soil	61	<0.1	19.4
584197-35		FF523N 0-2.5	Soil	62	0.2	4.13

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sample
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584197**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069083

Metals Strong Acid Digestion - Continued

			Analyte	Chromium	Cobalt	Copper
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.5	0.1	1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584197-1		FF501N 0-2.5	Soil	58.3	13.2	151
584197-2		FF501N 2.5-5	Soil	52.3	11.2	68
584197-3		FF501N 10-15	Soil	42.8	8.3	78
584197-4		FF502N 0-2.5	Soil	39.4	12.4	482
584197-5		FF502N 2.5-5	Soil	37.4	9.8	276
584197-6		FF503N 0-2.5	Soil	22.8	11.5	1660
584197-7		FF504N 0-2.5	Soil	20.8	10.6	1690
584197-8		FF505N 0-2.5	Soil	14.0	3.8	465
584197-9		FF506N 0-2.5	Soil	8.6	10.5	2470
584197-10		FF506N 2.5-5	Soil	9.8	3.4	485
584197-11		FF507N 0-2.5	Soil	11.8	10.0	1990
584197-12		FF507N 2.5-5	Soil	15.0	7.4	1060
584197-13		FF507N 10-15	Soil	9.9	2.3	120
584197-14		FF508N 0-2.5	Soil	45.8	21.4	9980
584197-15		FF508N 2.5-5	Soil	54.7	22.8	2500
584197-16		FF508N 10-15	Soil	69.5	14.5	275
584197-17		FF509N 0-2.5	Soil	19.8	26.6	7130
584197-18		FF510N 0-2.5	Soil	53.9	14.6	1240
584197-19		FF511N 0-5	Soil	41.0	9.2	67
584197-20		FF512N 0-2.5	Soil	31.6	12.4	940
584197-21		FF513N 0-2.5	Soil	29.6	8.8	299
584197-22		FF514N 0-2.5	Soil	22.1	6.3	178
584197-23		FF515N 0-2.5	Soil	7.1	1.8	60
584197-24		FF516N 0-2.5	Soil	80.4	15.9	51
584197-25		FF517N 0-2.5	Soil	20.9	4.9	28
584197-26		FF517S 0-5	Soil	21.4	5.2	18
584197-27		FF518N 0-2.5	Soil	23.6	5.6	810
584197-28		FF519N 0-2.5	Soil	24.1	7.4	403
584197-29		FF520N 0-2.5	Soil	29.5	5.0	316
584197-30		FF521F 0-2.5	Soil	66.3	12.1	117
584197-31		FF521F 2.5-5	Soil	26.0	14.1	129
584197-32		FF521B 0-2.5	Soil	11.0	2.5	162
584197-33		FF521G 0-5	Soil	34.7	18.8	145
584197-34		FF522N 0-2.5	Soil	11.1	6.3	1160
584197-35		FF523N 0-2.5	Soil	14.7	4.9	463

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584197**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sample	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069083
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Lead	Molybdenum	Nickel
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.1	1	0.5
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584197-1		FF501N 0-2.5	Soil	26.8	<1	42.4
584197-2		FF501N 2.5-5	Soil	16.3	<1	31.6
584197-3		FF501N 10-15	Soil	17.3	<1	24.8
584197-4		FF502N 0-2.5	Soil	233	1	20.5
584197-5		FF502N 2.5-5	Soil	143	<1	18.7
584197-6		FF503N 0-2.5	Soil	1660	4	13.0
584197-7		FF504N 0-2.5	Soil	772	2	10.7
584197-8		FF505N 0-2.5	Soil	249	<1	8.2
584197-9		FF506N 0-2.5	Soil	994	2	10.4
584197-10		FF506N 2.5-5	Soil	241	<1	5.7
584197-11		FF507N 0-2.5	Soil	736	1	11.0
584197-12		FF507N 2.5-5	Soil	501	<1	9.3
584197-13		FF507N 10-15	Soil	51.3	<1	5.5
584197-14		FF508N 0-2.5	Soil	1180	12	27.4
584197-15		FF508N 2.5-5	Soil	652	2	34.6
584197-16		FF508N 10-15	Soil	105	<1	39.4
584197-17		FF509N 0-2.5	Soil	1800	2	16.8
584197-18		FF510N 0-2.5	Soil	232	2	32.9
584197-19		FF511N 0-5	Soil	11.8	<1	24.2
584197-20		FF512N 0-2.5	Soil	289	<1	16.3
584197-21		FF513N 0-2.5	Soil	65.1	<1	17.6
584197-22		FF514N 0-2.5	Soil	128	<1	11.3
584197-23		FF515N 0-2.5	Soil	34.9	<1	5.4
584197-24		FF516N 0-2.5	Soil	18.0	<1	44.6
584197-25		FF517N 0-2.5	Soil	6.4	<1	18.2
584197-26		FF517S 0-5	Soil	2.2	<1	21.6
584197-27		FF518N 0-2.5	Soil	375	1	12.1
584197-28		FF519N 0-2.5	Soil	215	2	11.7
584197-29		FF520N 0-2.5	Soil	53.3	3	22.2
584197-30		FF521F 0-2.5	Soil	24.7	<1	33.2
584197-31		FF521F 2.5-5	Soil	17.6	2	24.0
584197-32		FF521B 0-2.5	Soil	20.8	2	14.9
584197-33		FF521G 0-5	Soil	87.3	2	29.4
584197-34		FF522N 0-2.5	Soil	174	3	9.1
584197-35		FF523N 0-2.5	Soil	104	1	12.8

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584197**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sample	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069083
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Selenium	Silver	Sulfur
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.3	0.1	300
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584197-1		FF501N 0-2.5	Soil	0.4	0.2	600
584197-2		FF501N 2.5-5	Soil	<0.3	0.2	<300
584197-3		FF501N 10-15	Soil	<0.3	0.1	<300
584197-4		FF502N 0-2.5	Soil	3.1	0.7	400
584197-5		FF502N 2.5-5	Soil	1.5	0.4	<300
584197-6		FF503N 0-2.5	Soil	47.4	5.2	9000
584197-7		FF504N 0-2.5	Soil	18.9	3.2	1000
584197-8		FF505N 0-2.5	Soil	3.0	0.6	<300
584197-9		FF506N 0-2.5	Soil	14.2	4.0	1700
584197-10		FF506N 2.5-5	Soil	2.6	0.9	<300
584197-11		FF507N 0-2.5	Soil	11.2	3.1	1200
584197-12		FF507N 2.5-5	Soil	5.5	2.1	500
584197-13		FF507N 10-15	Soil	1.1	0.3	800
584197-14		FF508N 0-2.5	Soil	447	8.3	9500
584197-15		FF508N 2.5-5	Soil	204	3.2	2500
584197-16		FF508N 10-15	Soil	5.2	0.7	700
584197-17		FF509N 0-2.5	Soil	80.2	9.7	4500
584197-18		FF510N 0-2.5	Soil	19.2	1.6	2400
584197-19		FF511N 0-5	Soil	0.3	0.1	<300
584197-20		FF512N 0-2.5	Soil	5.7	1.3	1600
584197-21		FF513N 0-2.5	Soil	1.3	0.4	1900
584197-22		FF514N 0-2.5	Soil	1.6	0.4	400
584197-23		FF515N 0-2.5	Soil	0.4	<0.1	<300
584197-24		FF516N 0-2.5	Soil	<0.3	0.2	<300
584197-25		FF517N 0-2.5	Soil	<0.3	<0.1	<300
584197-26		FF517S 0-5	Soil	<0.3	<0.1	<300
584197-27		FF518N 0-2.5	Soil	5.6	1.4	700
584197-28		FF519N 0-2.5	Soil	2.5	0.4	400
584197-29		FF520N 0-2.5	Soil	2.4	0.3	6800
584197-30		FF521F 0-2.5	Soil	0.5	0.2	<300
584197-31		FF521F 2.5-5	Soil	1.0	0.1	2200
584197-32		FF521B 0-2.5	Soil	2.1	0.2	8700
584197-33		FF521G 0-5	Soil	1.4	0.3	1600
584197-34		FF522N 0-2.5	Soil	6.7	1.1	7400
584197-35		FF523N 0-2.5	Soil	1.5	0.4	2200

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584197**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sample	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069083
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Thallium	Tin	Vanadium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.05	1	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584197-1		FF501N 0-2.5	Soil	0.30	2	62.1
584197-2		FF501N 2.5-5	Soil	0.24	2	51.8
584197-3		FF501N 10-15	Soil	0.18	2	40.2
584197-4		FF502N 0-2.5	Soil	0.35	2	46.1
584197-5		FF502N 2.5-5	Soil	0.25	2	42.6
584197-6		FF503N 0-2.5	Soil	1.39	5	29.1
584197-7		FF504N 0-2.5	Soil	0.92	3	39.0
584197-8		FF505N 0-2.5	Soil	0.26	1	17.9
584197-9		FF506N 0-2.5	Soil	1.00	2	9.8
584197-10		FF506N 2.5-5	Soil	0.37	2	10.8
584197-11		FF507N 0-2.5	Soil	0.90	2	13.0
584197-12		FF507N 2.5-5	Soil	0.75	2	14.7
584197-13		FF507N 10-15	Soil	0.12	1	8.9
584197-14		FF508N 0-2.5	Soil	1.34	4	38.4
584197-15		FF508N 2.5-5	Soil	1.20	3	50.6
584197-16		FF508N 10-15	Soil	0.44	2	65.4
584197-17		FF509N 0-2.5	Soil	1.74	3	46.2
584197-18		FF510N 0-2.5	Soil	0.39	2	51.5
584197-19		FF511N 0-5	Soil	0.19	2	41.4
584197-20		FF512N 0-2.5	Soil	0.42	2	26.6
584197-21		FF513N 0-2.5	Soil	0.20	2	35.2
584197-22		FF514N 0-2.5	Soil	0.18	2	24.8
584197-23		FF515N 0-2.5	Soil	0.09	1	14.1
584197-24		FF516N 0-2.5	Soil	0.40	2	85.3
584197-25		FF517N 0-2.5	Soil	0.07	2	20.9
584197-26		FF517S 0-5	Soil	<0.05	3	18.6
584197-27		FF518N 0-2.5	Soil	0.40	2	44.9
584197-28		FF519N 0-2.5	Soil	0.27	2	37.6
584197-29		FF520N 0-2.5	Soil	0.16	1	37.6
584197-30		FF521F 0-2.5	Soil	0.32	2	66.6
584197-31		FF521F 2.5-5	Soil	0.12	2	51.6
584197-32		FF521B 0-2.5	Soil	0.07	2	26.9
584197-33		FF521G 0-5	Soil	0.24	2	59.3
584197-34		FF522N 0-2.5	Soil	0.24	2	10.7
584197-35		FF523N 0-2.5	Soil	0.08	2	14.0

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584197**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sample	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069083
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

			Analyte	Zinc
			Description	Strong Acid Extractable
			Units	ug/g
			Detection Limit	1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584197-1		FF501N 0-2.5	Soil	248
584197-2		FF501N 2.5-5	Soil	234
584197-3		FF501N 10-15	Soil	263
584197-4		FF502N 0-2.5	Soil	1760
584197-5		FF502N 2.5-5	Soil	1490
584197-6		FF503N 0-2.5	Soil	5000
584197-7		FF504N 0-2.5	Soil	2850
584197-8		FF505N 0-2.5	Soil	1180
584197-9		FF506N 0-2.5	Soil	8870
584197-10		FF506N 2.5-5	Soil	1810
584197-11		FF507N 0-2.5	Soil	7480
584197-12		FF507N 2.5-5	Soil	4390
584197-13		FF507N 10-15	Soil	664
584197-14		FF508N 0-2.5	Soil	8340
584197-15		FF508N 2.5-5	Soil	12100
584197-16		FF508N 10-15	Soil	4820
584197-17		FF509N 0-2.5	Soil	24000
584197-18		FF510N 0-2.5	Soil	3650
584197-19		FF511N 0-5	Soil	89
584197-20		FF512N 0-2.5	Soil	5000
584197-21		FF513N 0-2.5	Soil	569
584197-22		FF514N 0-2.5	Soil	636
584197-23		FF515N 0-2.5	Soil	160
584197-24		FF516N 0-2.5	Soil	242
584197-25		FF517N 0-2.5	Soil	50
584197-26		FF517S 0-5	Soil	21
584197-27		FF518N 0-2.5	Soil	1470
584197-28		FF519N 0-2.5	Soil	2050
584197-29		FF520N 0-2.5	Soil	481
584197-30		FF521F 0-2.5	Soil	627
584197-31		FF521F 2.5-5	Soil	193
584197-32		FF521B 0-2.5	Soil	284
584197-33		FF521G 0-5	Soil	700
584197-34		FF522N 0-2.5	Soil	1260
584197-35		FF523N 0-2.5	Soil	960

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sample
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584197**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069083

Approved by:

Anthony Neumann, MSc
Laboratory Operations Manager

Bodycote TESTING GROUP

Quality Control

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sample
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584197**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069083

Hot Water Soluble

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Boron	ug/g	<0.2	0.0	-0.1	0.2	yes
Material Used:	Edmonton Method Blank					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
Boron	ug/g	2	2	10.0	0.1	yes
Material Used:	Edmonton Duplicate					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Boron	ug/g	1.5	1.5	1.0	2.0	yes
Material Used:	2007 Farmsoil Standard					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					
Boron	ug/g	0.1	0.1	-0.0	0.3	yes
Material Used:	Edmonton Calibration Check					
Date Acquired:	October 31, 2007					
Acquired By:	Bryan Morrison					

Metals Strong Acid Digestion

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Mercury	ug/g	<0.01	0.01	-0.07	0.09	yes
Antimony	ug/g	<0.2	0.0	-0.7	0.8	yes
Arsenic	ug/g	<0.2	0.0	-0.1	0.2	yes
Barium	ug/g	<1	0	-1	2	yes
Beryllium	ug/g	<0.1	0.0	-0.0	0.0	yes
Cadmium	ug/g	0.08	0.02	-0.22	0.27	yes
Chromium	ug/g	<0.5	0.0	-0.3	0.3	yes
Cobalt	ug/g	<0.1	0.0	-0.1	0.1	yes
Copper	ug/g	<1	0	-1	2	yes
Lead	ug/g	<0.1	0.0	-0.6	0.6	yes
Molybdenum	ug/g	<1	0	-0	0	yes
Nickel	ug/g	<0.5	0.4	-1.1	1.9	yes
Selenium	ug/g	<0.3	-0.1	-3.1	2.9	yes
Silver	ug/g	<0.1	0.0	-0.6	0.6	yes
Thallium	ug/g	<0.05	0.00	-0.00	0.01	yes
Tin	ug/g	4	4	1	7	yes
Vanadium	ug/g	<0.1	0.0	-0.1	0.1	yes
Zinc	ug/g	<1	1	-0	3	yes

Bodycote TESTING GROUP

Quality Control

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sample
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584197**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069083

Metals Strong Acid Digestion - Continued

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Material Used:	Edmonton Method Blank					
Date Acquired:	November 02, 2007					
Acquired By:	Jennifer Persson					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
Mercury	ug/g	2.0	2.0	9.99	0.03	yes
Antimony	ug/g	0.4	0.5	20.0	0.4	yes
Arsenic	ug/g	36.5	44.3	20.0	0.4	yes
Barium	ug/g	76	75	20	2	yes
Beryllium	ug/g	0.9	0.9	20.0	0.2	yes
Cadmium	ug/g	5.78	5.87	20.01	0.02	yes
Chromium	ug/g	69.5	73.9	20.0	1.1	yes
Cobalt	ug/g	2.5	2.9	20.0	0.2	yes
Copper	ug/g	275	296	20	2	yes
Lead	ug/g	26.8	29.5	20.0	0.2	yes
Molybdenum	ug/g	2	3	20	2	yes
Nickel	ug/g	42.4	38.9	20.0	1.1	yes
Selenium	ug/g	5.2	4.6	20.0	0.7	yes
Silver	ug/g	0.7	0.7	20.0	0.2	yes
Thallium	ug/g	0.44	0.47	20.01	0.11	yes
Tin	ug/g	2	2	20	2	yes
Vanadium	ug/g	65.4	69.2	20.0	0.2	yes
Zinc	ug/g	4820	5080	20	2	yes
Material Used:	Edmonton Duplicate					
Date Acquired:	November 02, 2007					
Acquired By:	Jennifer Persson					

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Mercury	ug/g	0.38	0.30	0.18	0.42	yes
Antimony	ug/g	0.6	0.6	0.1	1.0	yes
Arsenic	ug/g	94.8	91.1	61.4	120.8	yes
Barium	ug/g	251	262	188	336	yes
Beryllium	ug/g	1.1	0.9	0.6	1.2	yes
Cadmium	ug/g	2.28	2.09	1.28	2.90	yes
Chromium	ug/g	49.5	45.4	29.8	61.0	yes
Cobalt	ug/g	14.9	14.2	9.8	18.6	yes
Copper	ug/g	209	205	147	262	yes
Lead	ug/g	127	123.3	84.9	161.7	yes
Molybdenum	ug/g	3	3	2	4	yes
Nickel	ug/g	65.8	65.1	42.9	87.3	yes
Selenium	ug/g	0.7	0.7	0.3	1.1	yes
Silver	ug/g	0.9	1.0	0.6	1.5	yes
Thallium	ug/g	0.38	0.38	0.26	0.50	yes

Bodycote TESTING GROUP

Quality Control

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sample
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584197**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069083

Metals Strong Acid Digestion - Continued

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Tin	ug/g	4	4	1	7	yes
Vanadium	ug/g	55.0	48.0	32.6	63.4	yes
Zinc	ug/g	560	523	331	715	yes

Material Used: Metals Soil SS-2
Date Acquired: November 02, 2007
Acquired By: Jennifer Persson

Bodycote TESTING GROUP

Methodology and Notes

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sample
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584197**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069083

Method of Analysis

Method Name	Reference		Method	Date Analysis Started	Location
Boron in general soil	McKeague	*	Hot Water Soluble Boron - Azomethine -H Method, 4.61	31-Oct-07	BTG Edmonton
Mercury (Hot Block) in Soil	US EPA	*	Determination of Hg in Sediment by Cold Vapor Atomic Absorption Spec, 245.5	01-Nov-07	BTG Edmonton
Metals ICP-MS (Hot Block) in soil	SW-846	*	Acid Digestion of Sediments, Sludges, and Soils, EPA 3050B	31-Oct-07	BTG Edmonton
Metals ICP-MS (Hot Block) in soil	SW-846	*	Acid Digestion of Sediments, Sludges, and Soils, EPA 3050B	01-Nov-07	BTG Edmonton

** Bodycote method(s) based on reference method*

References

McKeague	Manual on Soil Sampling and Methods of Analysis
SW-846	Test Methods for Evaluating Solid Waste
US EPA	US Environmental Protection Agency Test Methods

Comments:

584173

Bodycote TESTING GROUP

LOT: _____ Control Number _____

Environmental Sample Information Sheet

Norwest Labs – A New Bodycote Company

Note: Proper completion of this form is required in order to proceed with analysis
See reverse for your nearest Bodycote Norwest location and proper sampling protocol

Billing Address:			**Copy of Report To:**		Copy of invoice:
Company:	Jacques Whitford AXYS Ltd.		Company:		
Address:	103-611 Corydon Winnipeg, MB, CAN R3M 0S1	QA/QC Report ☐	Address:		Mail invoice to this address for approval ☐
		Report Result:			Report Result:
Attention:	Darren Keam	Fax ☐	Attention:		Fax ☐
Phone:	(204) 475-9966	Mail ☐	Phone:		Mail ☐
Fax:	(204) 284-4795	Courier ☐	Fax:		Courier ☐
Cell:	(204) 795-7563	e-mail X	Cell:		e-mail ☐
e-mail:	dkeam@axys.net	e-Service X	e-mail:		e-Service ☐

Information to be included on Report and Invoice

Project ID: 1032002.01
Project Name: HBMS_Soil_Sampling
Project Location: FlinFlon,MB
Legal Location:
PO#: 1032002.01_Z9100
Proj. Acct. Code:
Agreement ID: 80477

RUSH Please contact the laboratory to confirm rush dates and times before submitting samples.

Upon filling out this section, client accepts that surcharges will be attached to this analysis

RUSH required on: All Analysis ☐ or As indicated ☐
Date Required: _____
Signature: _____
Bodycote Authorization: _____

Sample Custody (Please Print)
Sampled by: Darren Keam
Company JW AXYS Signature
I authorize Bodycote Norwest to proceed with the work work indicated on this form:
Date: 26-Oct-07 Initial:
Received by: AB Sample Temp.
Waybill #: Date 30/10/07
Company Time

Special Instructions / Comments
1) Please hand grind all samples
2) Sand samples do not have to be ground unless deemed necessary by lab staff, but please sieve all sand samples to remove >2 mm fragments
3) Rigorous cleaning is required between sample grinding since some samples may exced CCME criteria for heavy metals.
4) Garden samples (denoted with a G, ie FF205G) may be ground by the hammer mill but check for coarse fragments first. 5) All samples back after 30 days. 6) Report all samples on ENV1 format

Please indicate which regulations you are required to meet: _____

FOR LAB USE ONLY
Condiftion of containers/coolers upon arrival at lab

☐ Check here if Bodycote Norwest is required to report results directly to a regulatory body (Please include contact information)

☐ Check here if you are testing POTABLE WATER for **HUMAN CONSUMPTION**

	Sample Identification	Location	Depth IN	Depth CM	Depth M	Date/Time Sampled	Matrix	Sampling Method	Number of Containers: TT44	MTS	Enter tests above (✓ relevant samples below)
1	FF601 F 0-2.5						Soil	Comp			
2	FF602 F 0-2.5						"	"			
3	FF603 F 0-2.5						"	"			
4	FF604 F 0-2.5						"	"			
5	FF605 F 0-2.5						"	"			
6	FF606 F 0-2.5						"	"			
7											
8											
9											
10	FF610 F 0-2.5						"	"			
11	FF611 F 0-2.5 FF226.	✓					"	"			
12	FF609 F 0-2.5 FF257.	✓					"	"			
13	FF612 F 0-2.5 FF270.	✓					"	"			
14	FF614 F 0-2.5						"	"			
15	FF613 F 0-2.5						"	"			

NOTE: All hazardous samples must be labelled according to WHIMIS guidelines.

Bodycote TESTING GROUP

Report Transmission Cover Page

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584173**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Approval Status:	Approved
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Invoice Frequency:	by Lot
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	COD Status:	
	R3M 0S1	LSD:		Control Number:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100	Date Received:	Oct 30, 2007
Sampled By:		Acct code:		Date Reported:	Nov 5, 2007
Company:				Report Number:	1069028

Contact	Company	Address
Jim Hicks	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: jhicks@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
David Whetter	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dwhetter@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

Contact	Company	Address
Darren Keam	Jacques Whitford AXYS Ltd.	103-611 Corydon Winnipeg, MB R3M 0S1 Phone: (204) 475-9966 Fax: (204) 284-4795 Email: dkeam@axys.net

Copies	Delivery	Format
1	Email - Multiple Reports	PDF

_____ PAGES IN THIS TRANSMISSION

Notes To Clients:

Reports associated with this Lot

Id/Format/Report Date	Id/Format/Report Date	Id/Format/Report Date

Bodycote TESTING GROUP

Sample Custody

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584173**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069028

Sample Disposal Date: December 05, 2007

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the bottom of this page.

☐ Extend Sample Storage Until _____ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	$ 10.00
Storage for 6 to 20 samples per month	$ 15.00
Storage for 21 to 50 samples per month	$ 30.00
Storage for 51 to 200 samples per month	$ 60.00
Storage for more than 200 samples per month	$ 110.00

☐ Return Sample, collect, to the address below via:

- ☐ Greyhound
- ☐ Loomis
- ☐ Purolator
- ☐ Other (specify) _____

Name _____

Company _____

Address _____

_____

Phone _____

Fax _____

Signature _____

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584173**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069028

Hot Water Soluble

			Analyte	Boron
			Description	Water Soluble
			Units	ug/g
			Detection Limit	0.1
Reference Number	Date Sampled	Sample Information	Sample Matrix	
584173-1		FF601 F 0-2.5	Soil	3.2
584173-2		FF602 F 0-2.5	Soil	2
584173-3		FF603 F 0-2.5	Soil	3.7
584173-4		FF604 F 0-2.5	Soil	0.6
584173-5		FF605 F 0-2.5	Soil	0.7
584173-6		FF606 F 0-2.5	Soil	3.6
584173-7		FF610 F 0-2.5	Soil	5.3
584173-8		FF611 F 0-2.5 FF226	Soil	1
584173-9		FF609 F 0-2.5 FF257	Soil	9.7
584173-10		FF612 F 0-2.5 FF270	Soil	0.9
584173-11		FF614 F 0-2.5	Soil	1
584173-12		FF613 F 0-2.5	Soil	0.6

Metals Strong Acid Digestion

			Analyte	Mercury	Antimony	Arsenic
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	0.01	0.2	0.2
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584173-1		FF601 F 0-2.5	Soil	4.1	0.8	24.2
584173-2		FF602 F 0-2.5	Soil	2.42	0.5	14.4
584173-3		FF603 F 0-2.5	Soil	15.3	1.4	31.2
584173-4		FF604 F 0-2.5	Soil	8.6	0.2	8.2
584173-5		FF605 F 0-2.5	Soil	7.2	0.4	22.1
584173-6		FF606 F 0-2.5	Soil	1.00	0.8	11.2
584173-7		FF610 F 0-2.5	Soil	70.1	2.4	106
584173-8		FF611 F 0-2.5 FF226	Soil	67.9	1.7	45.4
584173-9		FF609 F 0-2.5 FF257	Soil	9.5	1.6	41.9
584173-10		FF612 F 0-2.5 FF270	Soil	162	1.6	47.0
584173-11		FF614 F 0-2.5	Soil	18.8	3.1	223
584173-12		FF613 F 0-2.5	Soil	0.25	0.2	8.0

			Analyte	Barium	Beryllium	Cadmium
			Description	Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
			Units	ug/g	ug/g	ug/g
			Detection Limit	1	0.1	0.01
Reference Number	Date Sampled	Sample Information	Sample Matrix			
584173-1		FF601 F 0-2.5	Soil	80	0.3	28.6

Bodycote TESTING GROUP

Analytical Report

Bill To:	Jacques Whitford AXYS Ltd.	Project:		Lot ID:	**584173**
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01	Control Number:	
	103-611 Corydon	Name:	HBMS_Soil_Sampling	Date Received:	Oct 30, 2007
	Winnipeg, MB, Canada	Location:	Flin Flon, MB	Date Reported:	Nov 5, 2007
	R3M 0S1	LSD:		Report Number:	1069028
Attn:	Darren Keam	P.O.:	1032002.01_Z9100		
Sampled By:		Acct code:			
Company:					

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Barium	Beryllium	Cadmium
Analyte				Barium	Beryllium	Cadmium
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				1	0.1	0.01
584173-2		FF602 F 0-2.5	Soil	146	0.5	12.7
584173-3		FF603 F 0-2.5	Soil	114	0.4	28.9
584173-4		FF604 F 0-2.5	Soil	78	0.3	5.45
584173-5		FF605 F 0-2.5	Soil	148	0.8	11.7
584173-6		FF606 F 0-2.5	Soil	108	0.1	15.0
584173-7		FF610 F 0-2.5	Soil	93	0.2	36.8
584173-8		FF611 F 0-2.5 FF226	Soil	81	0.3	28.6
584173-9		FF609 F 0-2.5 FF257	Soil	58	<0.1	16.3
584173-10		FF612 F 0-2.5 FF270	Soil	120	0.2	19.8
584173-11		FF614 F 0-2.5	Soil	81	0.2	12.8
584173-12		FF613 F 0-2.5	Soil	77	0.2	1.96

Reference Number	Date Sampled	Sample Information	Sample Matrix	Chromium	Cobalt	Copper
Analyte				Chromium	Cobalt	Copper
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.5	0.1	1
584173-1		FF601 F 0-2.5	Soil	24.8	6.8	960
584173-2		FF602 F 0-2.5	Soil	46.3	10.3	610
584173-3		FF603 F 0-2.5	Soil	33.1	9.8	1870
584173-4		FF604 F 0-2.5	Soil	29.6	5.9	308
584173-5		FF605 F 0-2.5	Soil	50.6	12.5	770
584173-6		FF606 F 0-2.5	Soil	18.9	5.1	1080
584173-7		FF610 F 0-2.5	Soil	17.4	13.6	3630
584173-8		FF611 F 0-2.5 FF226	Soil	30.2	8.5	4410
584173-9		FF609 F 0-2.5 FF257	Soil	9.6	5.3	1070
584173-10		FF612 F 0-2.5 FF270	Soil	22.1	7.8	2040
584173-11		FF614 F 0-2.5	Soil	31.8	12.2	1540
584173-12		FF613 F 0-2.5	Soil	24.8	5.4	93

Reference Number	Date Sampled	Sample Information	Sample Matrix	Lead	Molybdenum	Nickel
Analyte				Lead	Molybdenum	Nickel
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.1	1	0.5
584173-1		FF601 F 0-2.5	Soil	183	2	14.7
584173-2		FF602 F 0-2.5	Soil	142	2	25.4
584173-3		FF603 F 0-2.5	Soil	355	2	19.6
584173-4		FF604 F 0-2.5	Soil	58.5	<1	16.2

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Analytical Report

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Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584173**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069028

Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Lead	Molybdenum	Nickel
Analyte				Lead	Molybdenum	Nickel
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.1	1	0.5
584173-5		FF605 F 0-2.5	Soil	128	<1	30.5
584173-6		FF606 F 0-2.5	Soil	116	3	15.5
584173-7		FF610 F 0-2.5	Soil	387	6	14.0
584173-8		FF611 F 0-2.5 FF226	Soil	368	6	18.0
584173-9		FF609 F 0-2.5 FF257	Soil	164	2	10.0
584173-10		FF612 F 0-2.5 FF270	Soil	278	2	14.2
584173-11		FF614 F 0-2.5	Soil	391	4	13.4
584173-12		FF613 F 0-2.5	Soil	43.7	<1	14.3

Reference Number	Date Sampled	Sample Information	Sample Matrix	Selenium	Silver	Sulfur
Analyte				Selenium	Silver	Sulfur
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.3	0.1	300
584173-1		FF601 F 0-2.5	Soil	5.1	1.0	2800
584173-2		FF602 F 0-2.5	Soil	4.1	1.5	1800
584173-3		FF603 F 0-2.5	Soil	9.8	1.9	3100
584173-4		FF604 F 0-2.5	Soil	1.7	0.4	1300
584173-5		FF605 F 0-2.5	Soil	4.3	0.9	1400
584173-6		FF606 F 0-2.5	Soil	3.8	1.6	5200
584173-7		FF610 F 0-2.5	Soil	27.5	3.0	10100
584173-8		FF611 F 0-2.5 FF226	Soil	28.1	3.1	5200
584173-9		FF609 F 0-2.5 FF257	Soil	6.4	1.1	6700
584173-10		FF612 F 0-2.5 FF270	Soil	48.4	2.2	2200
584173-11		FF614 F 0-2.5	Soil	16.9	2.5	4400
584173-12		FF613 F 0-2.5	Soil	0.5	0.2	400

Reference Number	Date Sampled	Sample Information	Sample Matrix	Thallium	Tin	Vanadium
Analyte				Thallium	Tin	Vanadium
Description				Strong Acid Extractable	Strong Acid Extractable	Strong Acid Extractable
Units				ug/g	ug/g	ug/g
Detection Limit				0.05	1	0.1
584173-1		FF601 F 0-2.5	Soil	1.63	2	24.0
584173-2		FF602 F 0-2.5	Soil	0.32	2	47.5
584173-3		FF603 F 0-2.5	Soil	0.35	2	32.5
584173-4		FF604 F 0-2.5	Soil	0.17	2	30.4
584173-5		FF605 F 0-2.5	Soil	0.34	2	58.0
584173-6		FF606 F 0-2.5	Soil	0.16	2	21.2
584173-7		FF610 F 0-2.5	Soil	0.48	2	19.2

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Analytical Report

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	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584173**
Control Number:	
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Metals Strong Acid Digestion - Continued

Reference Number	Date Sampled	Sample Information	Sample Matrix	Thallium Strong Acid Extractable ug/g 0.05	Tin Strong Acid Extractable ug/g 1	Vanadium Strong Acid Extractable ug/g 0.1
584173-8		FF611 F 0-2.5 FF226	Soil	0.27	2	24.9
584173-9		FF609 F 0-2.5 FF257	Soil	0.23	2	12.4
584173-10		FF612 F 0-2.5 FF270	Soil	0.31	2	22.4
584173-11		FF614 F 0-2.5	Soil	0.46	3	31.7
584173-12		FF613 F 0-2.5	Soil	0.12	3	25.4

Reference Number	Date Sampled	Sample Information	Sample Matrix	Zinc Strong Acid Extractable ug/g 1
584173-1		FF601 F 0-2.5	Soil	2510
584173-2		FF602 F 0-2.5	Soil	1920
584173-3		FF603 F 0-2.5	Soil	5240
584173-4		FF604 F 0-2.5	Soil	825
584173-5		FF605 F 0-2.5	Soil	2620
584173-6		FF606 F 0-2.5	Soil	1180
584173-7		FF610 F 0-2.5	Soil	5720
584173-8		FF611 F 0-2.5 FF226	Soil	2640
584173-9		FF609 F 0-2.5 FF257	Soil	1190
584173-10		FF612 F 0-2.5 FF270	Soil	2440
584173-11		FF614 F 0-2.5	Soil	1280
584173-12		FF613 F 0-2.5	Soil	328

Approved by:

Anthony Neumann, MSc
Laboratory Operations Manager

Bodycote TESTING GROUP

Quality Control

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584173**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069028

Hot Water Soluble

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Boron	ug/g	<0.2	0.0	-0.1	0.2	yes
Material Used:	Edmonton Method Blank					
Date Acquired:	November 01, 2007					
Acquired By:	Bryan Morrison					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
Boron	ug/g	0.3	0.3	10.0	0.1	yes
Material Used:	Edmonton Duplicate					
Date Acquired:	November 01, 2007					
Acquired By:	Alvin Kwan					

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Boron	ug/g	1.6	1.5	1.0	2.0	yes
Material Used:	2007 Farmsoil Standard					
Date Acquired:	November 01, 2007					
Acquired By:	Bryan Morrison					
Boron	ug/g	0.1	0.1	-0.0	0.3	yes
Material Used:	Edmonton Calibration Check					
Date Acquired:	November 01, 2007					
Acquired By:	Bryan Morrison					

Metals Strong Acid Digestion

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Mercury	ug/g	<0.01	0.01	-0.07	0.09	yes
Antimony	ug/g	<0.2	0.0	-0.7	0.8	yes
Arsenic	ug/g	<0.2	0.0	-0.1	0.2	yes
Barium	ug/g	<1	0	-1	2	yes
Beryllium	ug/g	<0.1	0.0	-0.0	0.0	yes
Cadmium	ug/g	<0.01	0.02	-0.22	0.27	yes
Chromium	ug/g	<0.5	0.0	-0.3	0.3	yes
Cobalt	ug/g	<0.1	0.0	-0.1	0.1	yes
Copper	ug/g	<1	0	-1	2	yes
Lead	ug/g	0.2	0.0	-0.6	0.6	yes
Molybdenum	ug/g	<1	0	-0	0	yes
Nickel	ug/g	<0.5	0.4	-1.1	1.9	yes
Selenium	ug/g	<0.3	-0.1	-3.1	2.9	yes
Silver	ug/g	<0.1	0.0	-0.6	0.6	yes
Thallium	ug/g	<0.05	0.00	-0.00	0.01	yes
Tin	ug/g	4	4	1	7	yes
Vanadium	ug/g	<0.1	0.0	-0.1	0.1	yes
Zinc	ug/g	<1	1	-0	3	yes

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Quality Control

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	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584173**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069028

Metals Strong Acid Digestion - Continued

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Material Used:	Edmonton Method Blank					
Date Acquired:	October 31, 2007					
Acquired By:	Alexsandra Robert					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
Mercury	ug/g	0.20	0.18	9.99	0.03	yes
Antimony	ug/g	0.8	0.9	20.0	0.4	yes
Arsenic	ug/g	24.2	24.2	20.0	0.4	yes
Barium	ug/g	80	85	20	2	yes
Beryllium	ug/g	0.3	0.3	20.0	0.2	yes
Cadmium	ug/g	28.6	29.7	20.01	0.02	yes
Chromium	ug/g	24.8	23.0	20.0	1.1	yes
Cobalt	ug/g	6.8	7.1	20.0	0.2	yes
Copper	ug/g	960	970	20	2	yes
Lead	ug/g	183	189	20.0	0.2	yes
Molybdenum	ug/g	2	2	20	2	yes
Nickel	ug/g	14.7	14.6	20.0	1.1	yes
Selenium	ug/g	5.1	5.2	20.0	0.7	yes
Silver	ug/g	1.0	1.0	20.0	0.2	yes
Thallium	ug/g	1.63	1.69	20.01	0.11	yes
Tin	ug/g	2	2	20	2	yes
Vanadium	ug/g	24.0	24.0	20.0	0.2	yes
Zinc	ug/g	2510	2660	20	2	yes
Material Used:	Edmonton Duplicate					
Date Acquired:	October 31, 2007					
Acquired By:	Alexsandra Robert					

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Mercury	ug/g	0.26	0.30	0.18	0.42	yes
Antimony	ug/g	0.6	0.6	0.1	1.0	yes
Arsenic	ug/g	91.0	91.1	61.4	120.8	yes
Barium	ug/g	258	262	188	336	yes
Beryllium	ug/g	1	0.9	0.6	1.2	yes
Cadmium	ug/g	2.00	2.09	1.28	2.90	yes
Chromium	ug/g	43.4	45.4	29.8	61.0	yes
Cobalt	ug/g	14.0	14.2	9.8	18.6	yes
Copper	ug/g	208	205	147	262	yes
Lead	ug/g	121	123.3	84.9	161.7	yes
Molybdenum	ug/g	3	3	2	4	yes
Nickel	ug/g	66.1	65.1	42.9	87.3	yes
Selenium	ug/g	0.8	0.7	0.3	1.1	yes
Silver	ug/g	1.0	1.0	0.6	1.5	yes
Thallium	ug/g	0.36	0.38	0.26	0.50	yes

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Quality Control

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	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

Lot ID:	**584173**
Control Number:	
Date Received:	Oct 30, 2007
Date Reported:	Nov 5, 2007
Report Number:	1069028

Metals Strong Acid Digestion - Continued

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Tin	ug/g	4	4	1	7	yes
Vanadium	ug/g	54.7	48.0	32.6	63.4	yes
Zinc	ug/g	523	523	331	715	yes

Material Used:	Metals Soil SS-2
Date Acquired:	October 31, 2007
Acquired By:	Alexsandra Robert

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Methodology and Notes

Bill To:	Jacques Whitford AXYS Ltd.	Project:	
Report To:	Jacques Whitford AXYS Ltd.	ID:	1032002.01
	103-611 Corydon	Name:	HBMS_Soil_Sampling
	Winnipeg, MB, Canada	Location:	Flin Flon, MB
	R3M 0S1	LSD:	
Attn:	Darren Keam	P.O.:	1032002.01_Z9100
Sampled By:		Acct code:	
Company:			

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Method of Analysis

Method Name	Reference		Method	Date Analysis Started	Location
Boron in general soil	McKeague	*	Hot Water Soluble Boron - Azomethine -H Method, 4.61	31-Oct-07	BTG Edmonton
Mercury (Hot Block) in Soil	US EPA	*	Determination of Hg in Sediment by Cold Vapor Atomic Absorption Spec, 245.5	01-Nov-07	BTG Edmonton
Metals ICP-MS (Hot Block) in soil	SW-846	*	Acid Digestion of Sediments, Sludges, and Soils, EPA 3050B	31-Oct-07	BTG Edmonton

** Bodycote method(s) based on reference method*

References

McKeague	Manual on Soil Sampling and Methods of Analysis
SW-846	Test Methods for Evaluating Solid Waste
US EPA	US Environmental Protection Agency Test Methods

Comments:

APPENDIX B

METALS IN SOIL