Exploration Opportunities in Canada’s Athabasca Basin

The World’s Richest Uranium Region

April 2008
Executive Summary

- Purepoint Uranium Group Inc. is among the premier exploration company in the Athabasca Basin
  - Select portfolio of properties acquired early in the uranium cycle
  - Currently operating 13 exploration projects in the Athabasca Basin
  - Proven track record of success

- Purepoint is seeking a joint venture partner for its 11 advanced exploration projects
  - Largest portfolio of 100% owned drill-ready exploration projects in the Athabasca Basin
  - $18 million invested to date in their advancement
Purepoint Uranium Group Inc.

Purepoint’s *Leadership Team* boasts decades of exploration and uranium expertise

**Chris Frostad BBA, Chartered Accountant**  
**President & CEO**

**Scott Frostad B.Sc., M.Sc, VP Exploration**  
- Previously with Areva, Saskatchewan  
- 23 year career in the mining industry, primarily in exploration  
  - Lac Minerals, Teck and Placer Dome

**Andrew Gracie M.Sc., Ph.D., Consulting Geologist**  
- 30 years with Saskatchewan Industry & Resources  
- Based in La Ronge, Northern Saskatchewan

**Peter Daubeny B.Sc., M.Sc, Sr. Field Geologist**  
- 23 year career in exploration  
  - Lac Minerals, Echo Bay and Inmet mining

**Jerry Solomon B.Sc., M.Sc., Sr. Field Geologist**

**Roger Watson, Chief Geophysicist**  
- 45 year career as a consulting geophysicist  
- Founding of Canada’s largest geophysical consulting firm

**Shengkai Zhao M.Sc., Ph.D. , Senior Geophysicist**  
- 12 years geophysical interpretation experience  
- Professor of Exploration Geophysics – ZheJiang University

**Dale Huffman, VP Field Operations**  
- 15-year veteran in the uranium and nuclear industry  
- 8 years with AREVA

**Dave Brown, Field Supervisor**  
- 20 years Conservation Officer Northern Saskatchewan

*Purepoint’s technical and operational capabilities in the Athabasca Basin are second to none*
Purepoint Uranium Group Inc.

In 2002 the founders of Purepoint began analyzing properties resulting in one of the largest, most prospective land packages in the Athabasca Basin.

Purepoint quickly established itself as the premier uranium exploration company in the Athabasca Basin.

Purepoint Statistics:
- 100% owned claims
  - 11 projects covering 250,000 hectares
- Partnerships
  - 2 projects with Cameco Corporation and AREVA Resources Canada Inc.
- Full time technical staff
  - Decades of exploration and uranium experience
- Operational Capabilities
  - 5 permanent drill camps
  - Own 2 exploration diamond drills with permanent crews
  - Deep government and aboriginal relationships
## Typical Super-Deposit Setting

**Sue C Mine**

<table>
<thead>
<tr>
<th>Size of Ore Body</th>
<th>Smaller than a football field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade $U_3O_8$</td>
<td>5.31%</td>
</tr>
<tr>
<td>Contained $U_3O_8$</td>
<td>30 million lbs</td>
</tr>
<tr>
<td>(17% of annual world supply)</td>
<td></td>
</tr>
<tr>
<td>Value $U_3O_8$</td>
<td>$2,800,000,000 US</td>
</tr>
</tbody>
</table>
Typical Super-Deposit Setting

**ALTERATION HALO**

<table>
<thead>
<tr>
<th>Uranium</th>
<th>Alteration Minerals</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 1-2 ppm</td>
<td>• Unaltered</td>
</tr>
<tr>
<td>• &gt; 3 ppm</td>
<td>• Illite</td>
</tr>
<tr>
<td>• &gt; 10 ppm</td>
<td>• Illite/Chlorite</td>
</tr>
</tbody>
</table>

- Sandstone
- Unconformity
- Deposit
- Step in Unconformity
- Fault
- Graphite
Typical Super-Deposit Setting

Sue C Mine

Depth – Approx 180 m

Alteration Halo

Unconformity
Properties Available for Partnership

In 2006, Purepoint’s *Turnor Lake Project* was ranked the best prospective target in the Athabasca Basin by Northern Prospector Magazine.

Drilling to date has identified a large region of elevated uranium and alteration; a setting typical of high-grade deposits in the area.
Properties Available for Partnership

In 2007, Purepoint’s Red Willow Project returned one of the best new results of any Basin explorer.

Red Willow Program 2007:
- Holes drilled/reported
  - 5
  - 3 holes with significant showings of uranium
- Best Results
  - 0.20% U₃O₈ over 5.8 metres
  - Including 1.01% U₃O₈ over .1 metres
- Identified a mineralized structure of at least 100 metres open to depth
- Follow up drilling now ongoing

Thirteen (13) distinct targets areas have now been identified on the Red Willow Project all of equally high potential for discovery.
Properties Available for Partnership

Purepoint’s *Fire Eye Project* holds direct structural relationships to many of the Basin’s earliest producing mines.

**Fire Eye Project Highlights:**
- Located 50 kilometres southwest of the Gunnar Mine, which produced 19 million pounds of \( U_3O_8 \), and 80 kilometers southwest of the Beaverlodge district that produced in excess of 50 million pounds of \( U_3O_8 \).
- Completion of a detailed, high resolution, magnetic survey over Lake Athabasca has confirmed that the Beaverlodge uranium belt is structurally associated with the Fire Eye property.
- Estimated depth of targets – less than 600 metres.

Staked prior to any neighboring explorers, the Fire Eye Project covers a very unique and attractive setting for potential uranium deposits.
Properties Available for Partnership

One of the most structurally complex claim blocks in the Athabasca Basin, Purepoint’s William River Projects hold exceptional potential for discovery.

William River Project Highlights:
- Surveys over the originally staked 120,000 hectares have identified 4 distinct projects.
- The Clearwater Fault is a major, long-lived structure that transects the William River property and is considered to have created favourable settings for trapping uranium-rich fluids.
- Claims lie 10 kilometres east of the Carswell Structure, host of the Cluff Lake mine that produced in excess of 60 million pounds of uranium.
- Estimated depth of targets – between 800 and 1,000 metres.

Although depths of these projects are a challenge, current technologies and experience make successful exploration now feasible.
Properties Available for Partnership

The Umfreville Projects centre on a vast regional fold with a complex fault structure. Despite nearby uranium showings, this is a fairly unexplored area.

**Umfreville Project Highlights:**
- MEGATEM II airborne survey (2005) outlined a strong conductive trend associated with an interpreted fold structure
- All new airborne conductors on property remain untested by drilling
- Historic drilling has encountered strong alteration (chlorite & kaolinite) typically associated with uranium deposits
- Estimated depth of targets – between 250 and 400 metres (less than the McArthur or Cigar mines)

*With a very reasonable target depth, the Umfreville projects can be drill tested quickly and accurately*
Properties Available for Partnership

The South Newnham claim hosts the N-S Newnham fault; a significant structure coincident with a magnetic low.

South Newnham Project Highlights:

- 2005 MEGATEM II airborne electromagnetic (EM) survey over South Newnham revealed extensive conductive zones coincident with the Newnham fault.
- The intersections of the Newnham fault and east-west faults, if acting as structural traps for hydrothermal fluids, would have seen development of clay alteration and possibly uranium deposition.
- Historic work north of the claim has confirmed graphitic conductors and alteration minerals such as kaolinite and dickite exist within the area.
- Estimated depth of targets – approximately 200 metres.

Small but shallow, the potential of this property will be clearly determined through a follow up drill program.
Investment Opportunity

As a partner in the exploration of Purepoint’s projects you will gain access to key Athabasca Basin prospects through a solid Canadian operator.

**High Value Properties**
- Researched and selected early in the uranium cycle
- Carefully advanced and understood prospects
  - $18 million spent on their advancement to date
- Drill Ready Targets
  - 11 projects available

**High Value Explorer**
- Fully staffed field and technical crews across the entire Basin
- Deep knowledge of the local environment
  - Political and regulatory ties
  - Long lived relationships with all aboriginal communities
- Strong partnerships with Cameco Corporation and Areva Resources (Canada) Inc.

Utilizing our operational “footprint” provides a valuable stepping stone to the world’s most prolific source of nuclear fuel.