Exploration and Mining
Northwest Region British Columbia

Gordon Clarke
Director Mineral Development Office
British Columbia Geological Survey

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Houston, British Columbia
Outline

• Operating Mines
• Exploration expenditures
• Selected exploration projects update
• Summary
Mining Production 1997-2017

$9.82 Billion

Increase of $3.19 Billion vs 2016 preliminary estimate

Increase primarily due to:
- coal price increase
- coal mine restarts

Top three commodities
Coal = 61% of production
Copper = 23% of production
Gold = 7% of production

-US$178 t for hard coking coal, US$141 for PCI coal (Mid November)
-Mine restarts at Wolverine and Quinsam
The Northwest Region has two of the provinces eight large metal mines:

Red Chris
Brucejack

And one smaller operation - Silvertip
Pretium Resources Inc. Declares Commercial Production at Brucejack


High grade gold reserve, Valley of the Kings, P+P 15.6 Mt at 16.1 g/t gold, 11.1 g/t silver

Gold pour at Brucejack Mine. Photo courtesy of Pretium Resources Inc.
Red Chris Mine – Imperial Metals Corporation

2017 production
- 74.6 million lbs copper
- 33,416 oz gold
- 133,157 oz silver

Current mine life to 2043
Staff of 370 (over 35% First Nations)

Red Chris ball mill photo courtesy of Imperial Metals Corporation
Silvertip – Coeur Mining Inc.

- Mine purchased from JDS Silver Inc. in October 2017 for about $250 million
- Production commencement announced March 2018
- Mill throughput to ramp up to 750 tpd
- Application for permit amendment to 1000 tpd

Indicated Resources
- 2.6 M short tons at
  - 10.26 oz /ton silver
  - 6.74% lead
  - 9.41% zinc
Provincial Exploration Expenditures

Total for 2017 $246.6 million*

- $214.8 Metal + other
- $31.8 – Coal
- Increase of $41.6 million over 2016. First increase since 2012

*Ernst & Young LLP 2017 Mineral and Coal Exploration Survey

ey.com/ca/bcminingsurvey
NW Region Expenditures - $99 million (up $15 million from 2016)

Percentage of Provincial Expenditures
- **Northwest Region** 40%
- South Central Region 25%
- Southeast Region 18%
- North Central Region 13%
- Southwest Region 4%
- Northeast Region 1%
Selected Exploration Projects

• Advanced projects
• New discoveries and successful drilling programs
• Significant investment and property development news
Advanced Projects
Seabridge Gold Inc. - KSM Project

- The KSM project includes four deposits Kerr, Sulphurets, Mitchell and Iron Cap
- Project has provincial and federal EA certificates
- The project may be the largest undeveloped copper-gold project in the world (by reserves)
- In 2017 Seabridge completed over 10,000 m of drilling in 11 holes at Iron Cap and all holes returned wide zones of significant grade
- Highlights include 858 m of 0.86 g/t gold and 0.51% copper including 113 m of 2.98 g/t gold and 1.56% copper
- Results may result in a revision of the project’s mine plan and enhance KSM’s projected economics
- Further exploration planned for 2018 and preparation for an all season camp is currently underway
- $17.2 million private placement announced this month
IDM Mining Ltd. – Red Mountain Project

- High-grade, bulk mineable underground gold-silver deposit
- Positive feasibility study in 2017
- Updated resource estimate planned for Q2 2018
- Continued exploration planned for 2018
- Provincial Environmental Assessment certificate anticipated Q3 2018
- Federal Environmental Impact Statement anticipated Q4 2018
- $4.3 million dollar placement closed this month

<table>
<thead>
<tr>
<th>Category</th>
<th>Diluted Tonnes (t)</th>
<th>Au Grade (g/t)</th>
<th>Gold Ounces (Oz)</th>
<th>Ag Grade (g/t)</th>
<th>Silver Ounces (Oz)</th>
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<tbody>
<tr>
<td>Proven</td>
<td>1,308,000</td>
<td>7.82</td>
<td>329,000</td>
<td>25.09</td>
<td>1,055,000</td>
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<tr>
<td>Probable</td>
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<td>6.93</td>
<td>144,000</td>
<td>15.32</td>
<td>318,000</td>
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<tr>
<td>TOTAL</td>
<td>1,953,000</td>
<td>7.53</td>
<td>473,000</td>
<td>21.86</td>
<td>1,373,000</td>
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</table>
New discoveries and exploration highlights
GT Gold Corp. - Tatogga Project

- Two new grassroots discoveries, Saddle South and Saddle North
- Saddle South is a high grade gold discovery with highlight drilling results including 51.53 g/t gold over 6.95 m and 5.10 g/t gold over 23.66 m
- Saddle North is a porphyry copper-gold-silver discovery with related high grade epithermal veins. The porphyry discovery returned drilling results of 210.3 m of 0.14 g/t gold, 0.28 g/t silver and 0.16% copper. Grades improved downhole and the hole ended in mineralization
- Highlight intersections for the epithermal vein discovery included 13.55 g/t gold over 2.58 m including 61.10 g/t gold and 30.90 g/t silver over 0.61 m
- 18,000 m drilling program to start June 1
Garibaldi Resources Corp. – E&L Project

- High grade nickel-copper plus cobalt-PGE-gold-silver
- 2017 results include 8.3% nickel and 4.2% copper over 16.75 m
- Helicopter borne VTEM and magnetic surveys carried out this winter to define new targets
- Drilling to continue in 2018
- $10 million financing announced April 17th
Ascot Resources Ltd. - Premier-Dilworth Project

- Premier was a significant past producing precious metal mine
- Ascot carried out a 379 hole 118,800 m drilling program in 2017
- Numerous high-grade intersections were reported, including 36.31 g/t gold over 16.15 m
- Discovered a new high-grade subzone (Ben) of the Northern Lights zone in the Premier mine area
- 43-101 resource study is underway for Premier-Northern lights deposit
- $6.5 million financing closed March 22nd
- In 2018 infill drilling planned for the Big Missouri, Unicorn and Martha Ellen prospects to define new resources (approx. 45,000 m in 200 holes)
Dolly Varden Silver Corp. – Dolly Varden Project

- Four known deposits (Dolly Varden, Torbrit, North Star and Wolf)
- Historic production in the 1920’s and 1950’s (> 20 million oz silver)
- Current resources as of August 2015, 3.07 Mt indicated at 322 g/t silver plus inferred at 0.90 Mt at 373 g/t silver
- In 2017 a 45 hole 15,728 m diamond drilling program was carried out
- Four new discoveries were made outside of resource block areas (three are near the past producing Torbrit mine)
- Highlights included 21.37 m (true width) grading 433 g/t silver, 0.74% lead and 0.22% zinc
- For 2018 a $8.9 million program has been announced that will consist of approximately 25,000 m in 60 to 75 holes
- The program will focus on resource delineation and verification, in particular in the areas of new discoveries made in 2017
Auryn Resources Inc. – Homestake Ridge Project

- 2017 drilling program 37 holes, 14,580 m
- Results included 10.0 m of 4.12 g/t gold and 30.0 m of 2.00 g/t gold
- Released a 43-101 technical report with resource statement in September 2017
- Additional drilling planned for 2018
- In March announced closing of US$9.8 million financing

<table>
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<tr>
<th>Classification</th>
<th>Tonnage (Mt)</th>
<th>Gold (g/t)</th>
<th>Gold (oz)</th>
<th>Silver (g/t)</th>
<th>Silver (Moz)</th>
<th>Copper (%)</th>
<th>Copper (Mlb)</th>
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<tr>
<td>Indicated</td>
<td>0.624</td>
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<td>Inferred</td>
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<td>932,000</td>
<td>90.9</td>
<td>21.2</td>
<td>0.11</td>
<td>16.9</td>
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Skeena Resources Limited – Snip Project

- 100% interest in the past-producing mine acquired from Barrick Gold in July 2017
- Historic production 1991-99 approx., 1 million oz gold at a grade of 27.5 g/t
- In 2017 a 72 hole, 9,000 m underground drilling program carried out
- Highlights included 91.56 g/t gold over 3.82 m
- In March an oversubscribed private placement of $8.5 million announced
- A 11,000 m underground drilling program was announced on April 3rd as underway for 2018
- Initial resource estimate planned for 2018
Aben Resources Ltd.– Forrest Kerr Gold Project

- Historic high grade drill results form the 1990’s and 2000’s
- Improved infrastructure since then
- New exposures due to glacial retreat
- Large land package, 23,000 hectares
- Nine holes, 2,445 m in 2017
- New boundary zone discovery, results included 21.5 g/t gold, 28.5 g/t silver and 3.1% copper over 6.0 m
- Drilling and geological program planned for 2018
- $2.32 million placement closed April 23rd
Decade Resources Ltd.– Red Cliff Property

- 65% interest (Mountain Boy Minerals Ltd. 35%)
- Zones include, Redcliff (copper-gold), Montrose (gold), Waterpump (gold)
- 2017 drilling, 51 holes (total meterage not reported)
- Highlight results included 22.87 m of 10.41 g/t gold from Waterpump
- Preliminary resource calculation for Montrose and Waterpump planned for 2018
- Additional drilling planned for 2018
Jayden Resources Inc.– Silver Coin Project

- 80% interest (20% Mountain Boy Minerals Ltd.)
- In 2017, 2,225 m drilled in 14 holes
- New zone discovered 550 m north of the known deposit
- Highlights included 7.7 m of 8.63 g/t gold and high grade silver intercepts up to 3.0 m of 96.4 g/t
- Additional drilling planned for 2018
Tudor Gold Corp.– Treaty Creek Property

- 80% interest (20% Teuton Resources Corp.)
- Property contains the Copper Belle gold target
- In 2017 a 27 hole 13,722 m drilling program carried out
- Highlights included 149.1 m grading 1.78 g/t gold
- For 2018, planned work includes additional drilling and the release of a resource calculation for Copper Bell
- Non-brokered private placement of up to $2 million announced in March
ML Gold Corporation – Stars Property
- Porphyry copper-gold-silver-molybdenum project
- Property optioned late last fall (ML can earn up to 80% interest)
- Drilling program started this past January
- A new discovery announced in March with a 204 m intersection of 0.45% copper
- Recent airborne magnetic survey identified covered and untested targets
- Drilling is ongoing
Mountain Boy Minerals Ltd. – Surprise Creek Project

- 50% interest (50% Great Bear Resources Ltd.)
- VMS barite project (Ataman zone)
- Metallurgical testing carried out on core from two holes drilled in 2016 yielded a barite concentrate exceeding American Petroleum Institute (API) standards for oil and gas drilling
- 2017 drilling results, 15 m of 66.8% and 26 m of 41% BaSO₄ including 4.5 m grading 3.27% zinc, 0.71% lead and 22 g/t silver
- Interest resulted in an invite to speak at the Oilfields Minerals & Markets forum Huston, Texas
Jaxon Mining Inc. – Hazelton Project

- Project consists of three target areas, Max, West and CRT-RS
- 2017 Max drilling, 2,280 m in 12 holes, 7 of which returned narrow high grade zinc and silver (highlights include 0.2 m of 1,206 g/t silver and 10.8% zinc)
- CRT-RS discovered in 2017, numerous breccia outcrops, 11 of 57 samples returned assays ranging from 10 g/t to 33 g/t gold
- Programs including geophysics and drilling planned for 2018 at Max and CRT-TS
Sunvest Minerals Corp. – Clone Gold Project

- Results from historic core resampling announced this Feb.
- Highlights include 30.3 g/t gold over 4 m
- 2017 surface chip sampling returned 101 g/t gold over 7.5 m
- Grab samples in a new glacial retreat exposure returned 101 g/t and 93.7 g/t gold
- Drilling program planned for 2018
Golden Ridge Resources Ltd. – Hank Project

- Epithermal gold-silver-lead-zinc project
- Carried out approx. 9,000 m of drilling in 2017
- Highlight results included 4.13 m of 19.74 g/t gold, 193.9 g/t silver, 0.77% lead, 1.97% zinc and 60.27 m of 2.14 g/t gold, 6.9 g/t silver, 0.11% lead and 0.45% zinc
- For 2018 the completion of approximately 8,000 m of drilling is planned
Investment and Property Development
Telkwa Coal Limited – Telkwa Coal Project

- Telkwa is owned by Allegiance Coal Limited
- Two prefeasibility studies released in 2017
- Initial mining would be at 250,000 tpy, permit filing to be carried out this year
- A drill program to acquire environmental and geotechnical data began in February and was completed in March
- 1,400 kg of coal recovered for coke oven tests
- On March 29th announced a $3.97 Million financing
- For 2018 a full feasibility study to be completed by Q4
- Production target date of Q4 2019
Kutcho Copper Corp. – Kutcho Project

- In 2017 the copper-zinc-silver-gold project was acquired from Capstone Mining Corp. for $28.8 million and an updated prefeasibility study with updated resources figures was released.
- Probable Reserve of 10.4 Mt at 2.01% Cu with significant by-products (3.19% Zn, 34.61 g/t Ag, 0.37 g/t Au).
- This winter, environmental baseline studies were re-initiated.
- Drilling program planned for 2018.
- Final investment decision timeline Q1 2020.
Evrim Resources Corp. – Ball Creek Project

- Copper-gold-silver±molybdenum project (multiple zones)
- In May 2017 Evrim signed an agreement by which a wholly-owned subsidiary of Antofagasta Plc can earn up to a 70% interest by spending up to US$31 million or delivering a prefeasibility study
- Last summer a US$300,000 exploration program consisting of geological mapping and soil sampling was completed
Skeena Resources Limited – Spectrum-GJ Project

- Project consists of two separate deposits, the Donnelly porphyry copper-gold deposit (at GJ) and the Spectrum Central Zone (Spectrum) porphyry gold-copper deposit
- In May Skeena announced a positive PEA and a mineral resource update
- Low capex (less than US$200 million), 25 year mine life
- Actively seeking a partner to take the project to the pre-feasibility stage

<table>
<thead>
<tr>
<th>Category</th>
<th>Million Tonnes</th>
<th>Average Grades</th>
<th>Metal Content</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Au (g/t)</td>
<td>Ag (g/t)</td>
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<tr>
<td>Spectrum Central Zone (0.40 g/t AuEq cut-off)</td>
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<tr>
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<td>GJ Donnelly Deposit (0.15% CuEq cut-off)</td>
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<tr>
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<td>215.2</td>
<td>0.31</td>
<td>1.9</td>
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<tr>
<td>Inferred</td>
<td>28.3</td>
<td>0.31</td>
<td>1.8</td>
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Summary

• Mine openings and restarts (Brucejack and Silvertip)
• Exploration expenditures increased in 2017 for the first time since 2012
• Exciting new discoveries made in 2017
• Companies able to raise funds for NW region projects
• Outlook for 2018 is optimistic with increased exploration expected
2018 publications

Available on-line at www.gov.bc.ca/mineraldevelopment