

April  
2014

# Bayfield

VENTURES CORP.



## Exploring for Canadian Gold and Silver in the Rainy River District of NW Ontario



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# Forward Looking Statements

Some of the statements in this document may be deemed to be "forward-looking statements". All statements on in this document, other than statements of historical facts, that address events or developments that management of the Company expects, are forward-looking statements. Although management believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance, and actual results or developments may differ materially from those in the forward-looking statements. The Company undertakes no obligation to update these forward-looking statements if management's beliefs, estimates or opinions, or other factors, should change. Factors that could cause actual results to differ materially from those in forward-looking statements, include market prices, exploration and development successes, continued availability of capital and financing, and general economic, market or business conditions. Please see the public filings of the Company at [www.sedar.com](http://www.sedar.com) for further information.



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## Qualified Person

Robert Marvin, P.Geo., CPG, VP Exploration for Bayfield Ventures is the Qualified Person as defined by National Instrument 43-101 and supervised both the project field exploration and the preparation of the technical information in this presentation.

## Quality Assurance

Drill core analysis and assaying is being conducted by ACT Labs in Thunder Bay, Ont. The lab is ISO/IEC 17025:2005 (CAN-P-4E) certified. The drill core is split and sampled in standard 0.5 metre to 1.5 metre intervals. The core samples were analyzed for gold by 30-gm fire assay with AA finish and by gravimetric methods from assays over 5,000 ppb (over limit). Screened total metallic assays are being performed on samples assaying over 5,000 ppb. The core samples were analyzed for silver by Ag Aqua Regia-ICP finish and Ag Fire Assay-Gravimetric from assays over 100 ppm (over limit). The Company has implemented a quality assurance and quality control program to ensure that the sampling and analysis of all samples is conducted in accordance with the best possible practices.

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# Bayfield Share Capital Structure

● TSX Venture Symbol:	<b>BYV</b>
● US OTC Pink Symbol :	<b>BYVVF</b>
● Frankfurt Symbol:	<b>B4N</b>
● Shares Outstanding:	<b>74.5 million</b>
● Fully Diluted:	<b>81.9 million</b>
● Debt:	<b>None</b>
● Market Cap.:	<b>\$24.9 million</b>

## **Public company operating adjacent to Bayfield Ventures:**

● <i>New Gold:</i>	<b>TSX: NGD</b>
<i>Market Cap.:</i>	<b>~\$3.2 billion</b>

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# Bayfield Ventures' Key Management

- **James G. Pettit: *Chairman, CEO***

Jim Pettit is Chairman of the Board and Chief Executive Officer of Bayfield Ventures Corp. Mr. Pettit offers over 20 years experience within the industry specializing in finance, corporate governance, management, and compliance. He specializes in the early stage development of private, as well as public companies. His background over the past 15 years has been focused primarily within the resource sector where he has managed and directed junior resource companies through good times and bad

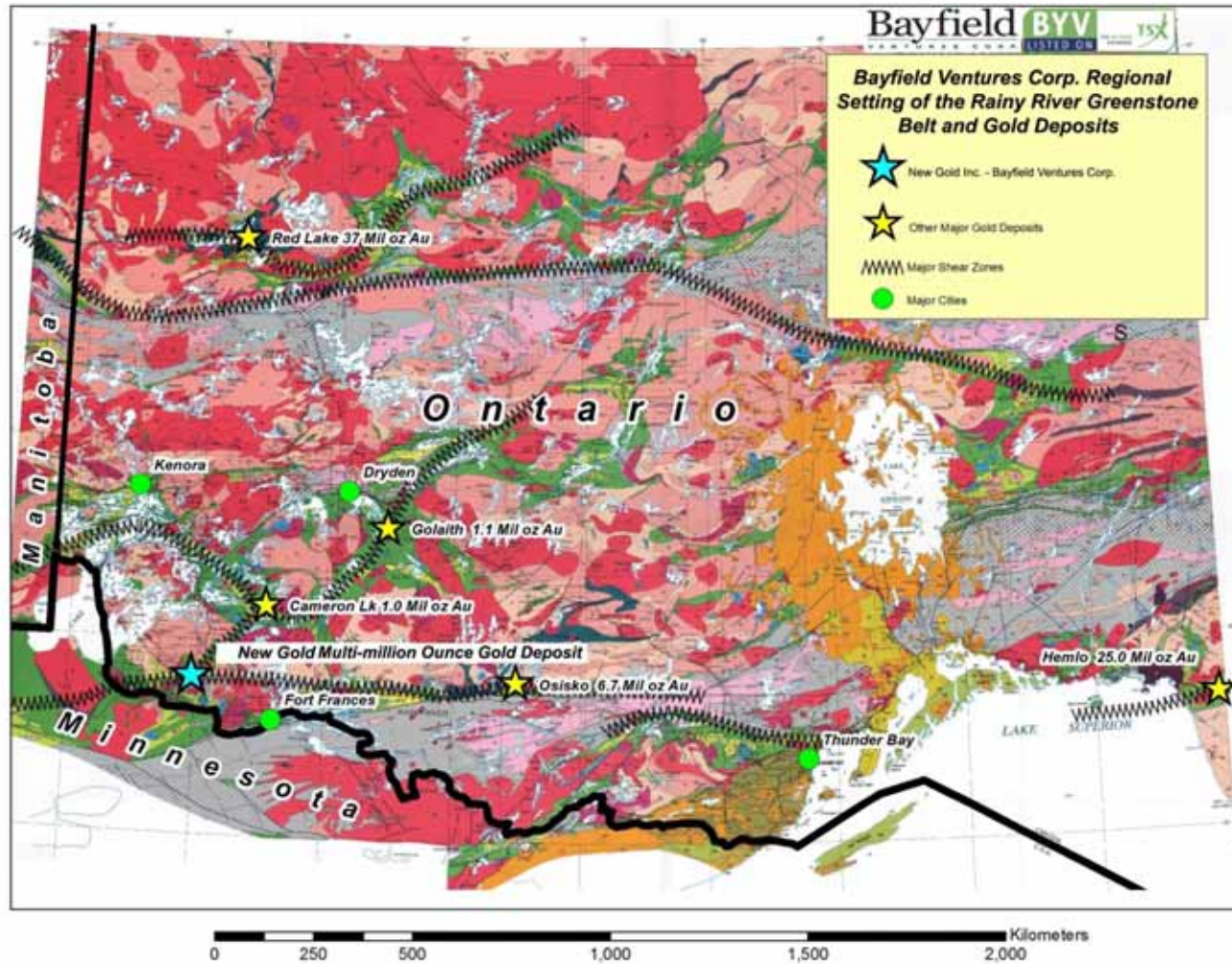
- **Don C. Huston: *President, Director***

Has been associated with the mineral exploration industry for 30 years and has extensive experience as a financier and in-field manager of numerous mineral exploration projects in North America

- **Robert Marvin, P.Geo., B.Sc., C.P.G.: *VP Exploration***

Since 1979, Mr. Marvin has been involved in mineral exploration for and evaluation of gold, copper, zinc, and uranium deposits throughout the Americas as an employee and as an independent consultant. He graduated from the University of New Mexico with a Bachelor of Science degree in geology in 1984

# Regional Setting of Gold Deposits



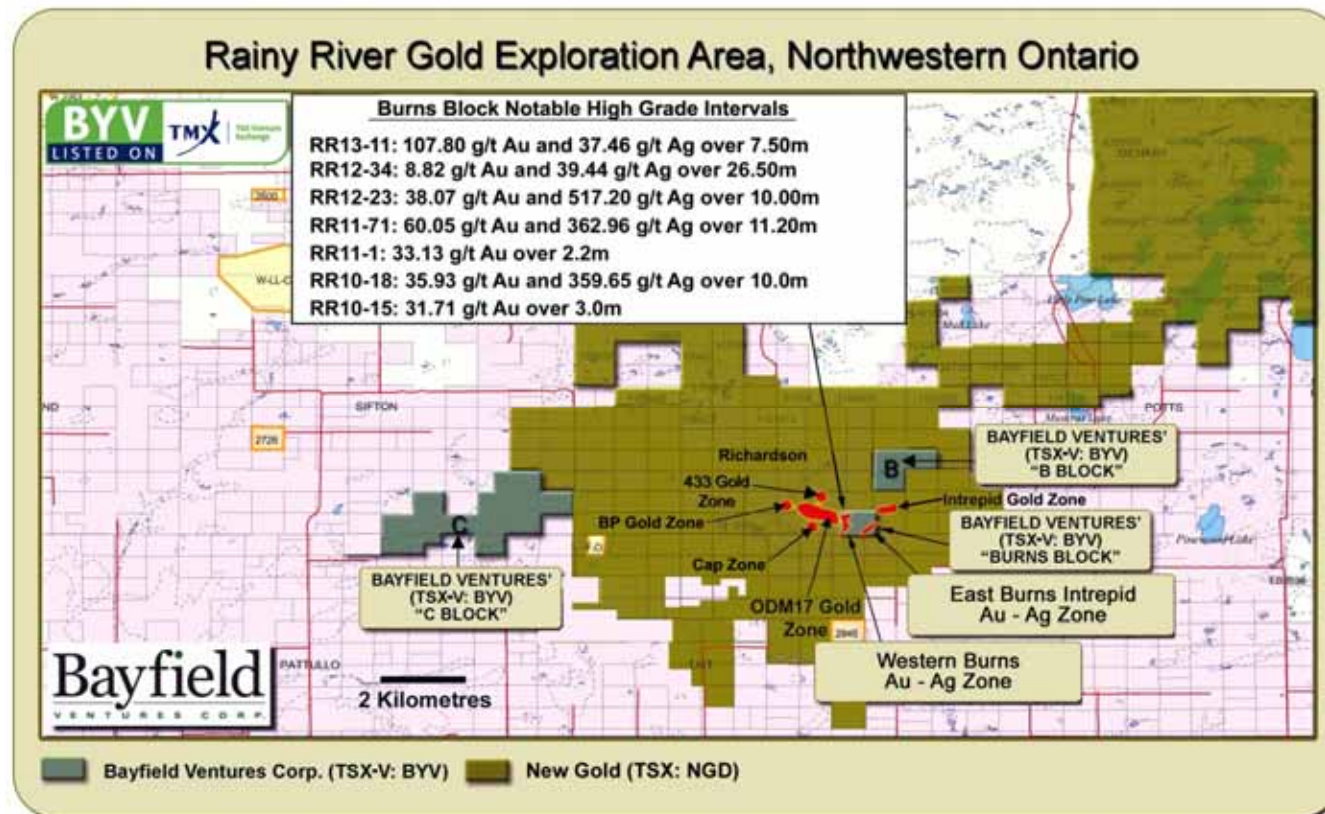
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# New Gold's Rainy River Gold-Silver Deposit

● New Gold (TSX: NGD) feasibility study dated November 2, 2013 shows a mineral resource, in relation to a conceptual open pit shell to 500 metres depth at a gold cut-off of 0.30 grams per tonne for open pit resources and a gold cut-off value of 2.5 grams per tonne for underground resources below 500 metres depth. Globally, the deposit contains Measured and Indicated mineral resources suitable for direct processing, from mine to mill, of 106 million tonnes at 1.54 grams per tonne gold and 2.88 grams per tonne silver, representing 5.2 million ounces of gold and 9.8 million ounces of silver. In addition, the open pit Measured and Indicated mineral resources suitable for stockpiling and future processing total 71 million tonnes at 0.43 grams per tonne gold and 2.09 grams per tonne silver, representing 1.0 million ounces of gold and 4.8 million ounces of silver

# Bayfield Ventures' Rainy River Claims Map

- 100% owned mineral rights in three properties ideally located to the west and east of *New Gold's* (TSX: NGD) (previously Rainy River Resources) *multi-million ounce gold-silver deposit* in north-western Ontario



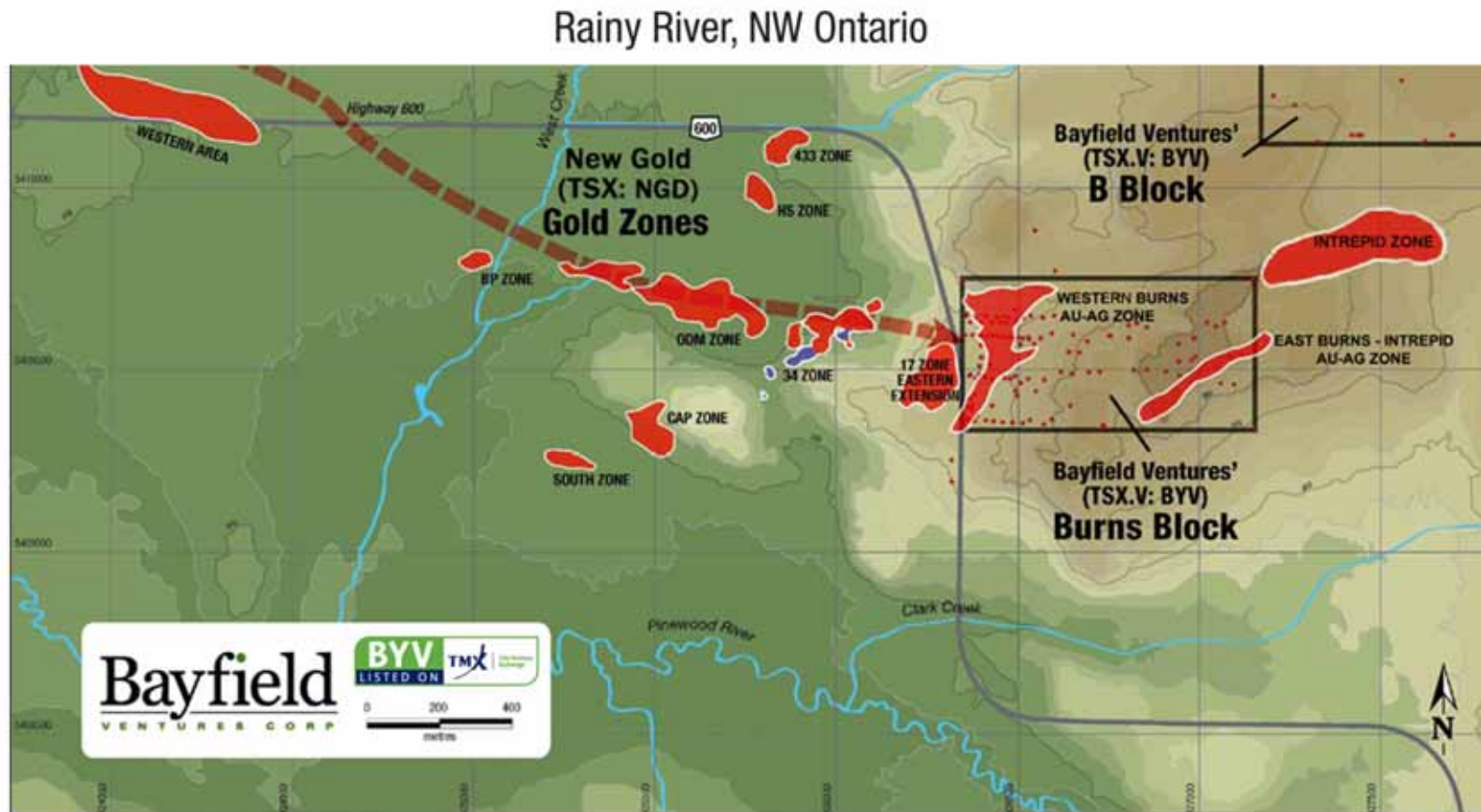


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# Bayfield's Properties

- Bayfield owns 100% of the mineral rights to its flagship "Burns" Block gold-silver project located in the Richardson Township, Rainy River District of northwestern Ontario
- The Burns Block is surrounded by New Gold's (TSX: NGD) Rainy River project and adjoins the immediate east of New Gold's multi-million ounce ODM17 gold-silver deposit and adjoins the immediate west of New Gold's expanding Intrepid gold-silver zone
- Drill results from the Burns Block continue to prove up higher grade gold and silver zones as well as lower grade, bulk tonnage gold-silver mineralization (notable high grade results: hole RR11-71: 11.20m of 60.05 g/t Au and 362.96 g/t Ag as well hole RR10-18 located approximately 350 metres to the south returning 10.0m of 35.93 g/t Au and 359.65 g/t Ag)
- Bayfield also holds a 100% interest in the mineral rights to the "B" Block property. The 480 acre "B" Block is well located and adjoins the immediate north of New Gold's expanding Intrepid gold-silver zone and to the north-east of Bayfield's Burns Block gold-silver deposits. To the west, Bayfield has earned a 100% interest in the strategically located 1,976 acre Rainy River "C" Block property

# Rainy River District Gold Zones



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# Bayfield's Burns Block Drilling Highlights

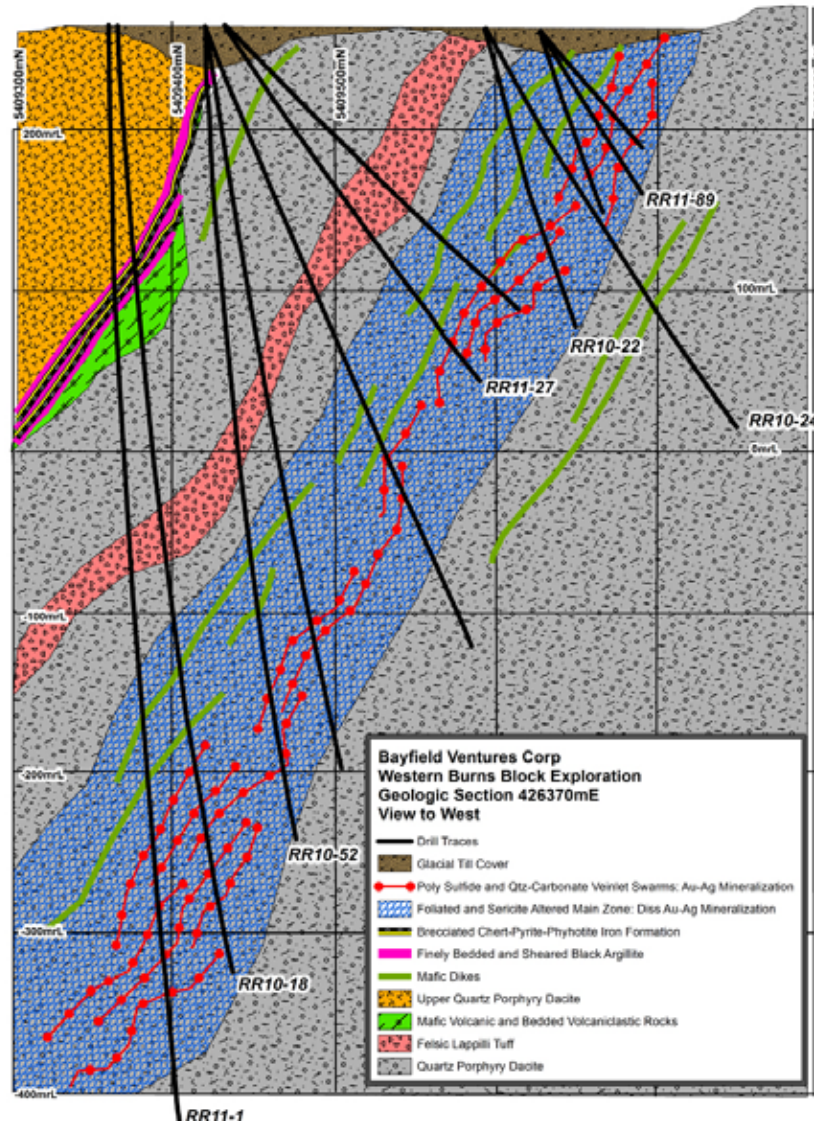
- 300 plus diamond drill holes totalling approx. 100,000 metres completed at Bayfield's Burns Block project
- Major drill program explored and expanded the extension of gold and silver mineralization that was being defined by Rainy River Resources (now New Gold) onto Bayfield's adjacent Burns Block
- Discovery of two high grade gold-silver zones as well as the definition of near-surface, bulk tonnage gold-silver mineralization
- >7 g/t gold and >150 g/t silver has been found in both the western 150 metres and eastern 250 metres of the Burns Block
- Drilling completed at Western Burns Zone has confirmed the widespread distribution of gold and silver directly on strike to the east of New Gold's main gold-silver deposits

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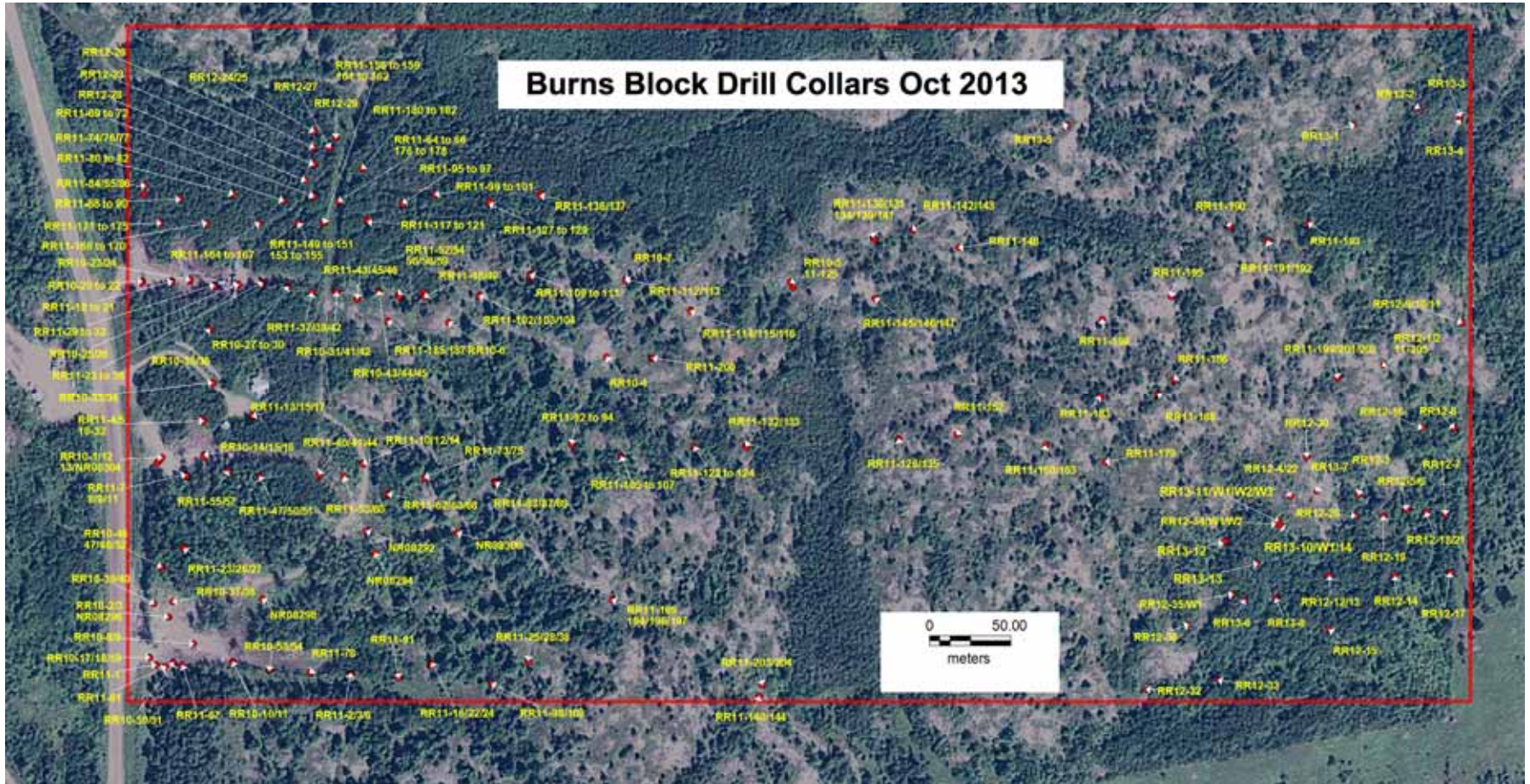
# Western Burn's Block Drilling Highlights

- Significant intercepts both shallow (above 500 metres of New Gold's proposed open pit parameters) and deeper (below 500 metres of New Gold's proposed open pit parameters)
- Western Burns Zone drill hole RR11-71 intersected 26.70 g/t gold and 170.69 g/t silver over 25.5 metres including 60.05 g/t gold and 362.96 g/t silver over 11.2 metres at 38 metres below surface
- Western Burns Zone drill Hole RR10-15 intersected 31.71 g/t gold and 50.23 g/t silver over 3.0 metres at 160 metres below surface
- Western Burns Zone drill Hole RR10-52 intersected 89.95 g/t gold and 1414.55 g/t silver over 1.1 metres at 400 metres below surface
- Western Burns Zone drill hole RR10-18 intersected 35.93 g/t gold and 359.65 g/t silver over 10.0 metres at 500 metres below surface

# Western Burns Block Geologic Cross Section



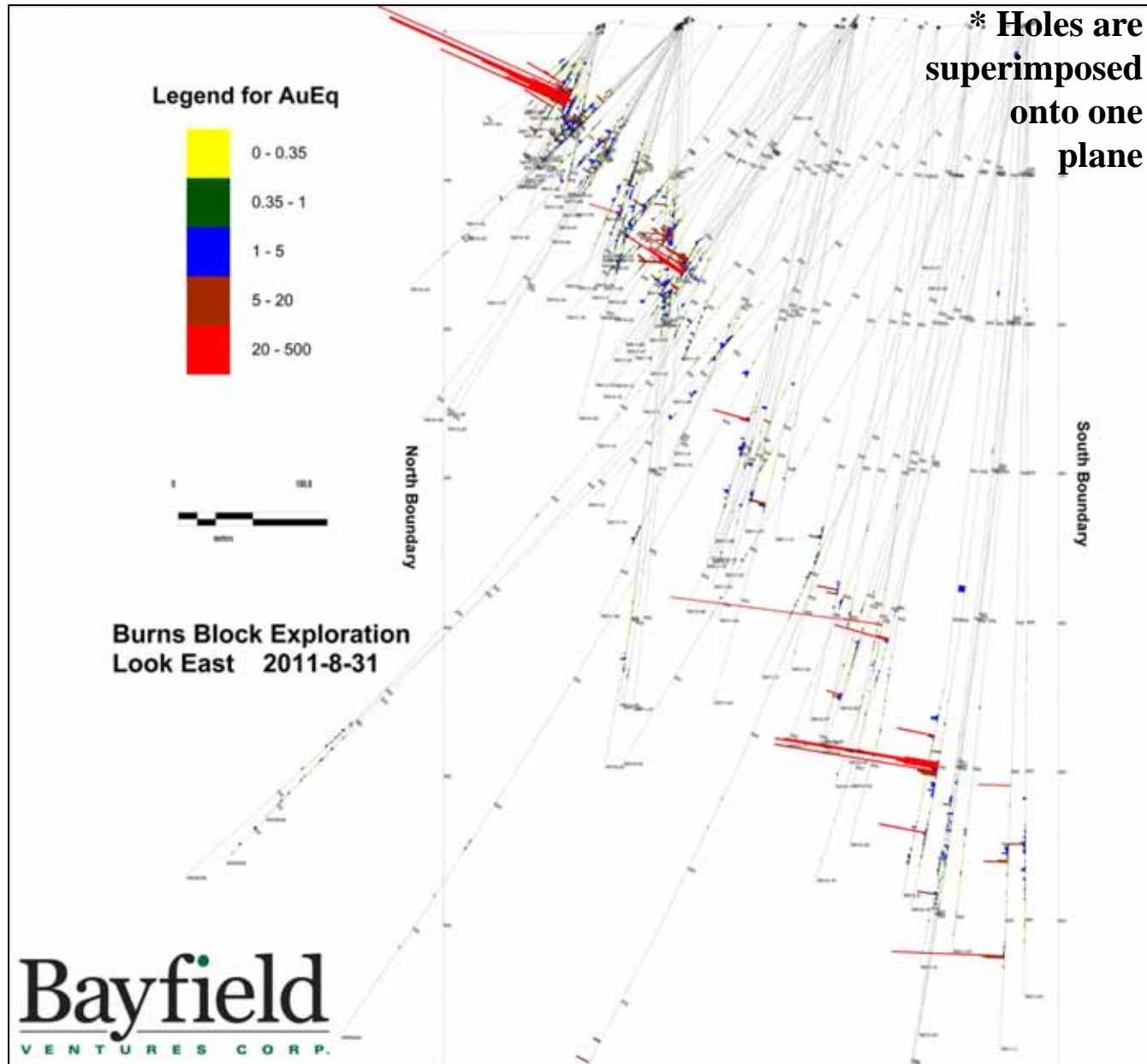
# Burns Block Drill Hole Location Map



# Bayfield's 100,000 Metre Drill Program

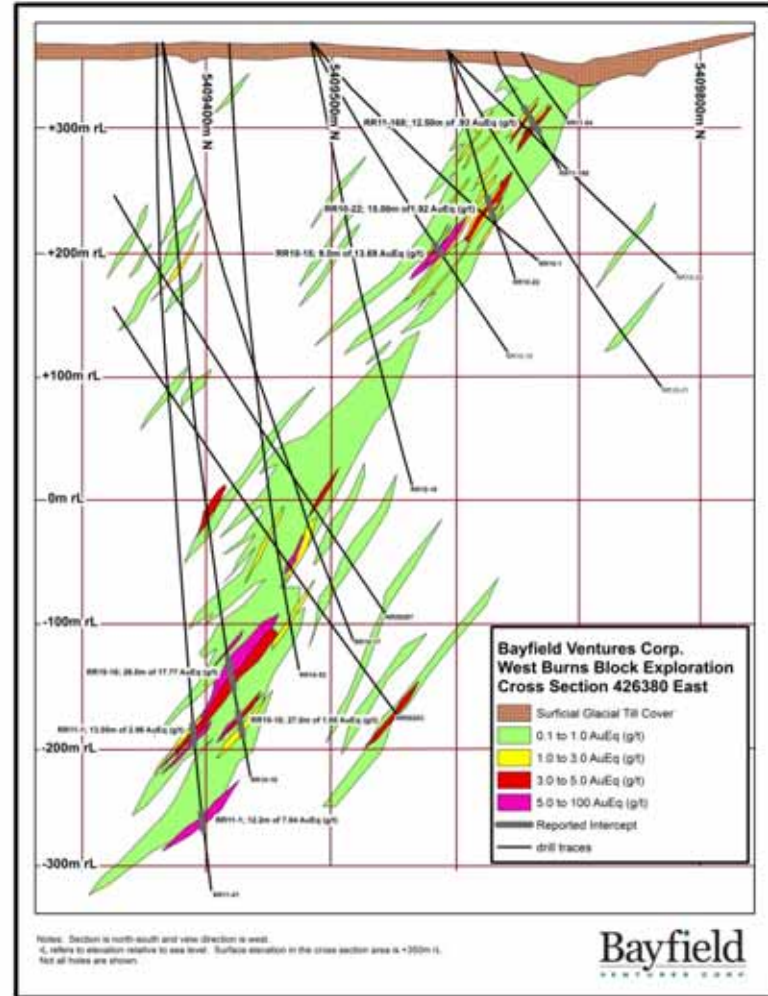
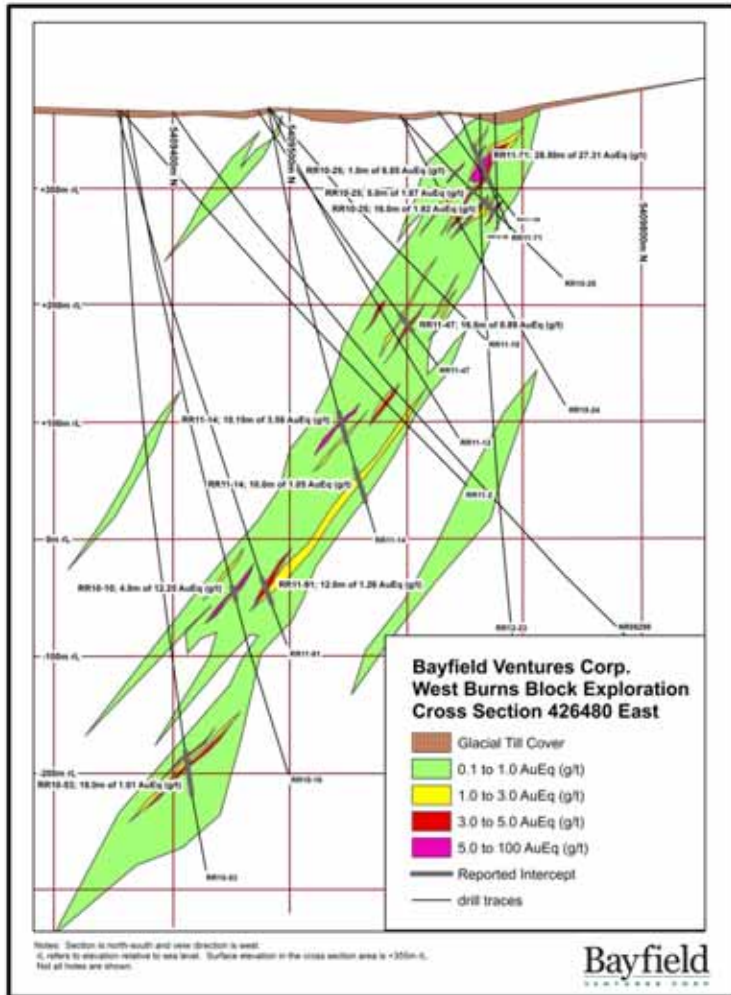
- Notable high grade drill results from the Burns Block include:
  - **RR11-71** → 60.05 g/t Au and 362.96 g/t Ag over 11.2 metres within 25.5 metres of 26.70 g/t Au and 170.69 g/t Ag
  - **RR11-181** → 61.02 g/t Au over 7.2 metres within 33.0 metres of 13.73 g/t Au
  - **RR11-180** → 65.66 g/t Au over 5.0 metres within 30.0 metres of 12.98 g/t Au
  - **RR10-18** → 35.93 g/t Au and 359.65 g/t Ag over 10.0 metres
  - **RR10-15** → 31.71 g/t Au and 48.77 g/t Ag over 3.0 metres within 9.0 metres of 12.88 g/t Au and 39.26 g/t Ag
  - **RR10-52** → 89.96 g/t Au and 1414.55 g/t Ag over 1.1 metres
  - **RR11-1** → 33.13 g/t Au and 208.18 g/t Ag over 2.2 metres within 9.15 metres of 8.37 g/t Au and 40.57 g/t Ag
  - **RR11-5** → 13.00 g/t Au and 70.22 g/t Ag over 6.6 metres
  - **RR12-26** → 10.39 g/t Au and 191.32 g/t Ag over 5.5 metres
  - **RR12-34** → 17.04 g/t Au and 79.07 g/t Ag over 11.60 metres
  - **RR12-34W1** → 11.06 g/t Au and 57.05 g/t Ag over 15.0 metres
  - **RR12-34W2** → 10.47 g/t Au and 34.68 g/t Ag over 16.0 metres
  - **RR13-7** → 12.19 g/t Au and 30.05 g/t Au over 11.00 metres
  - **RR13-11** → 528 g/t Au (18.63 oz/t) & 103 g/t Ag over 1.5 metres within 7.50 metres of 107.80 g/t Au and 37.46 g/t Ag
- Numerous other high grade gold and silver drill results

# Cross Section: Western Zone





# Cross Sections: Western Zone



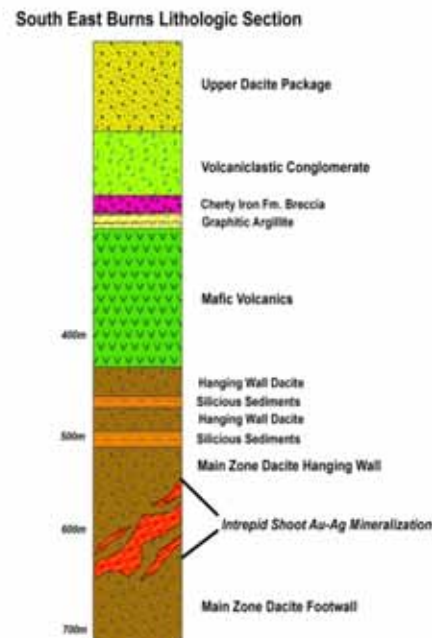
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# Bayfield's Burns Block Drill Program

- The gold and silver results thus far in the program have been very successful in delineating the eastern extension of New Gold's main ODM17 gold-silver deposit and the western extension of the New Gold's Intrepid gold-silver zone onto the Burns Block
- Drill program has focused on two exploration efforts: delineation drilling of high grade gold-silver zone in the western portion of the Burns Block and delineation drilling of high grade gold-silver zone in the eastern portion of Burns Block
- The Company has been focused on a newly discovered high grade gold-silver zone on the eastern side of the Burns Block. Bayfield has drill tested the down-plunge extension of this expanding mineralized zone which is projected to be the down-dip portion of New Gold's recently discovered Intrepid gold-silver Zone

# Gold-Silver Zone: East Burns – Intrepid Zone

- Recent drilling at Burns Block focused on rapidly expanding East Burns – Intrepid gold-silver zone
- A wide shear zone at the East Burns - Intrepid Zone has been explored and is located approx. 600 metres to the east of Bayfield's Western Burns zone
- Bayfield's East Burns - Intrepid Zone is projected to be the down-dip portion of New Gold's (previously Rainy River Resources) recently discovered Intrepid Zone

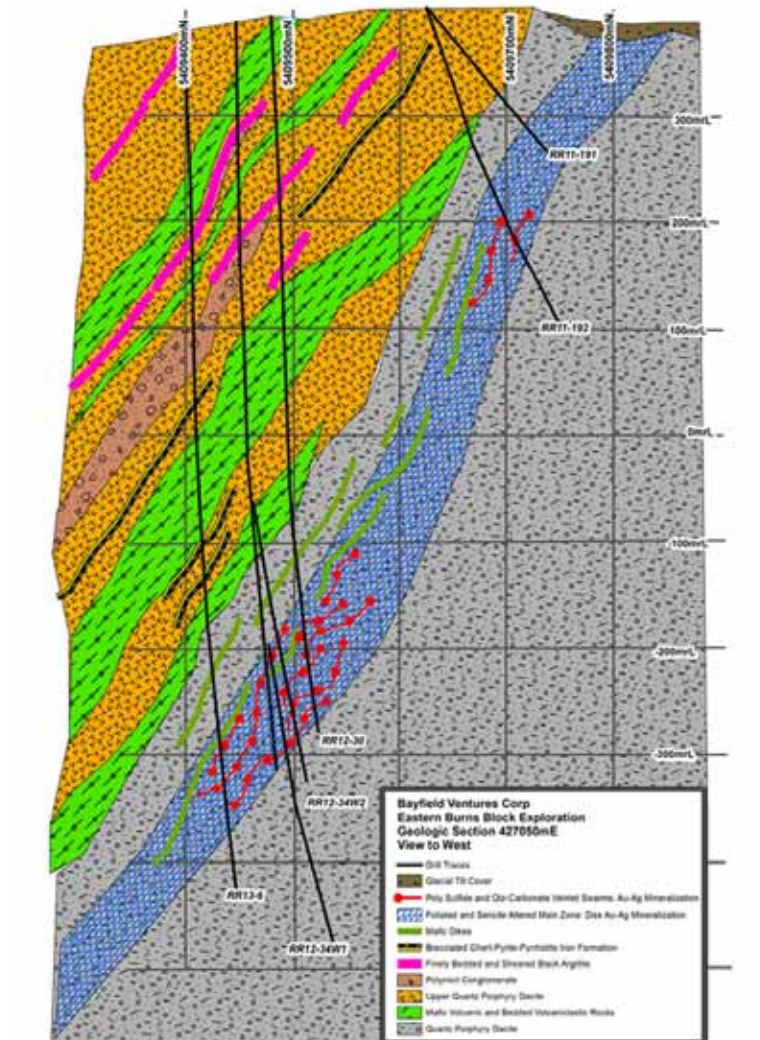


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# East Burns - Intrepid Zone Drilling Highlights

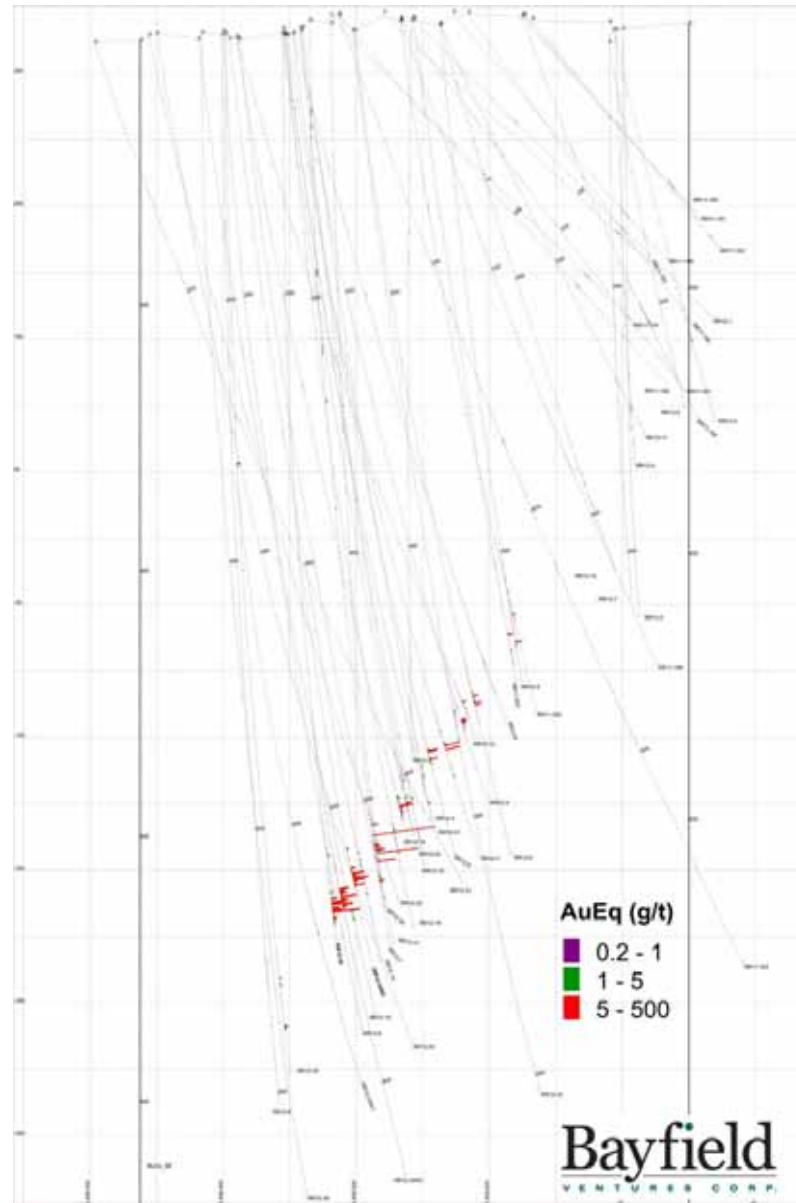
- East Burns - Intrepid Zone drill hole RR12-5 intersected 13.94 g/t gold and 16.70 g/t silver over 3.0 metres at 550 metres below surface
  - East Burns - Intrepid Zone drill hole RR12-30 intersected 13.46 g/t gold and 46.55 g/t silver over 7.3 metres at 620 metres below surface
  - East Burns - Intrepid Zone drill hole RR12-34 intersected 10.31 g/t gold and 45.67 g/t silver over 22.0 metres including 17.04 g/t gold and 79.07 g/t silver over 11.6 metres at 650 metres below surface
  - East Burns - Intrepid Zone drill hole RR13-11 intersected 107.80 g/t gold and 37.46 g/t silver over 7.5 metres including 528.00 g/t (18.63 oz/t) gold and 103.00 g/t silver over 1.5 metres at 680 metres below surface
  - Approx. 120 metres of strike length potential of the plunging East Burns Intrepid Zone remains untested
  - Significant mineralized zones below the main zone have been intersected but remain untested in the under explored central portion of the Burns Block
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# East Burns – Intrepid Geologic Cross Section

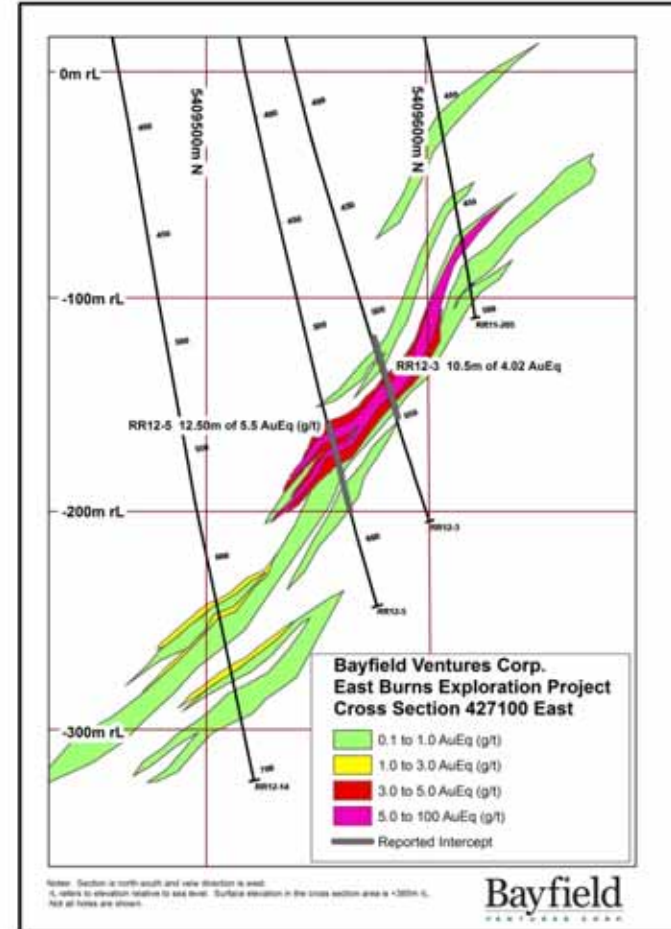
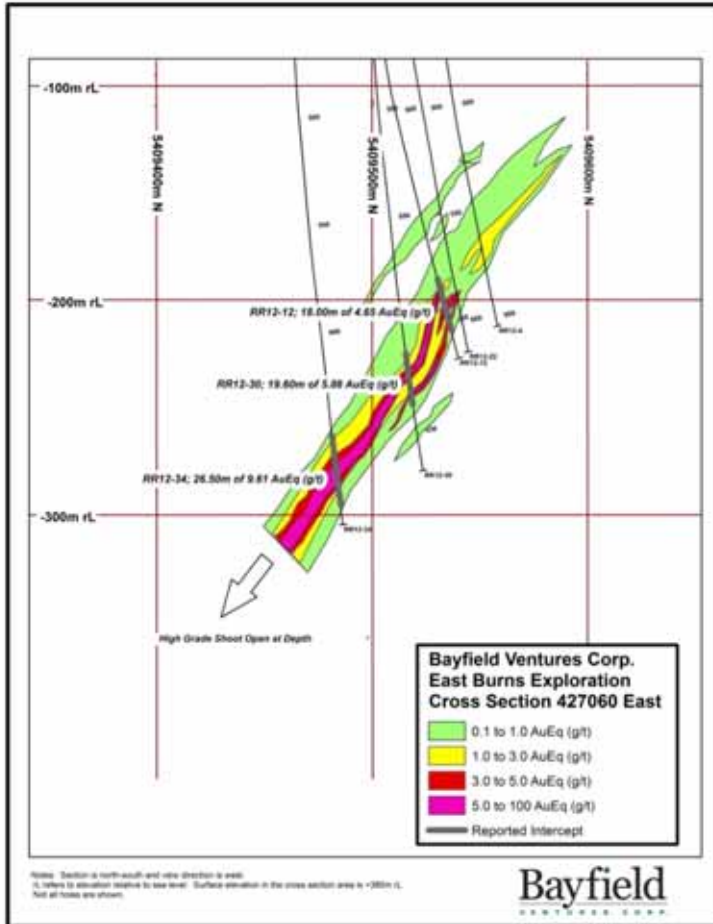


Notes: Grid cell size is 100 meters. Datum is UTM NAD 83 Zone 15N.

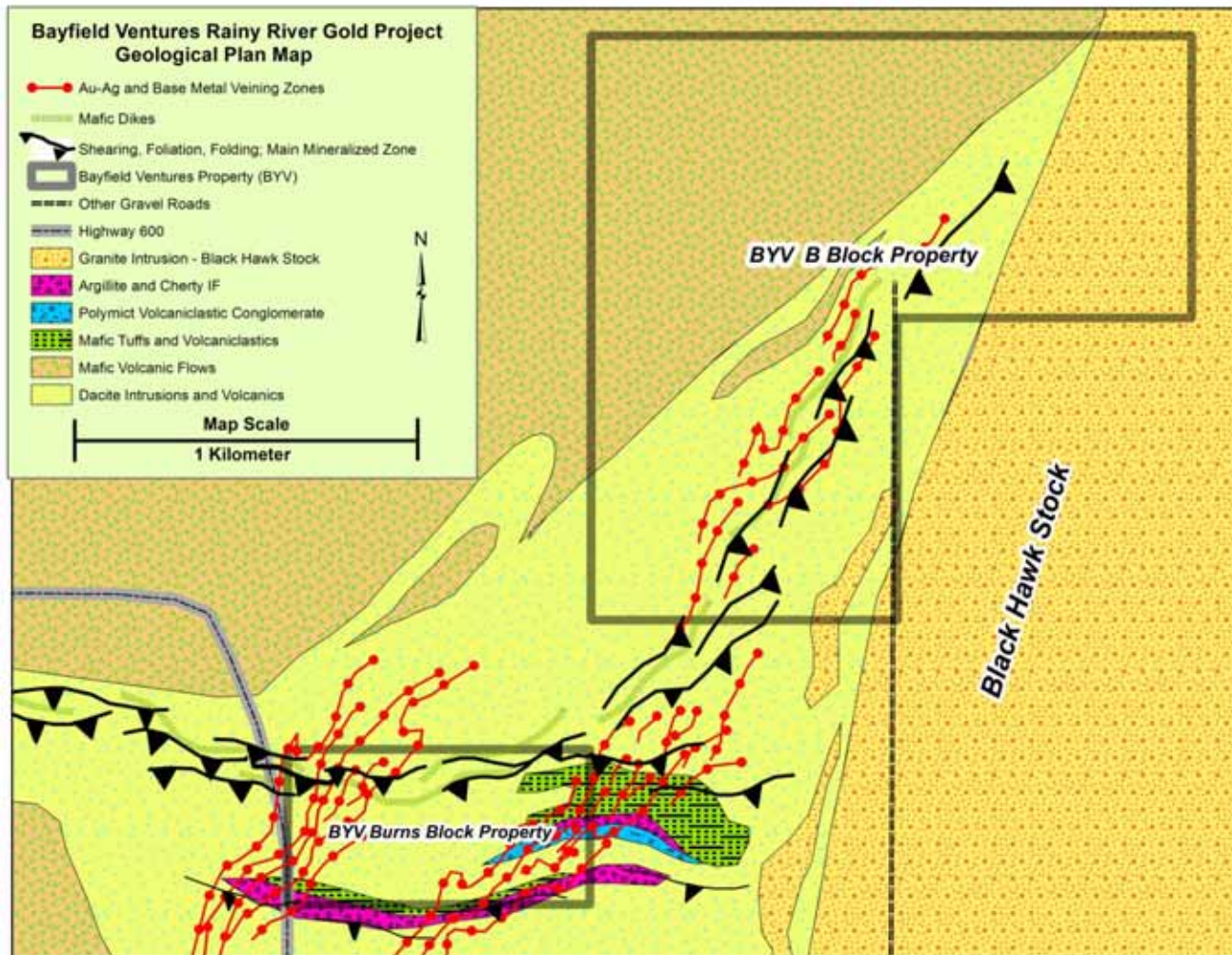
# Cross Section: East Burns – Intrepid Zone



# Cross Sections: East Burns – Intrepid Zone

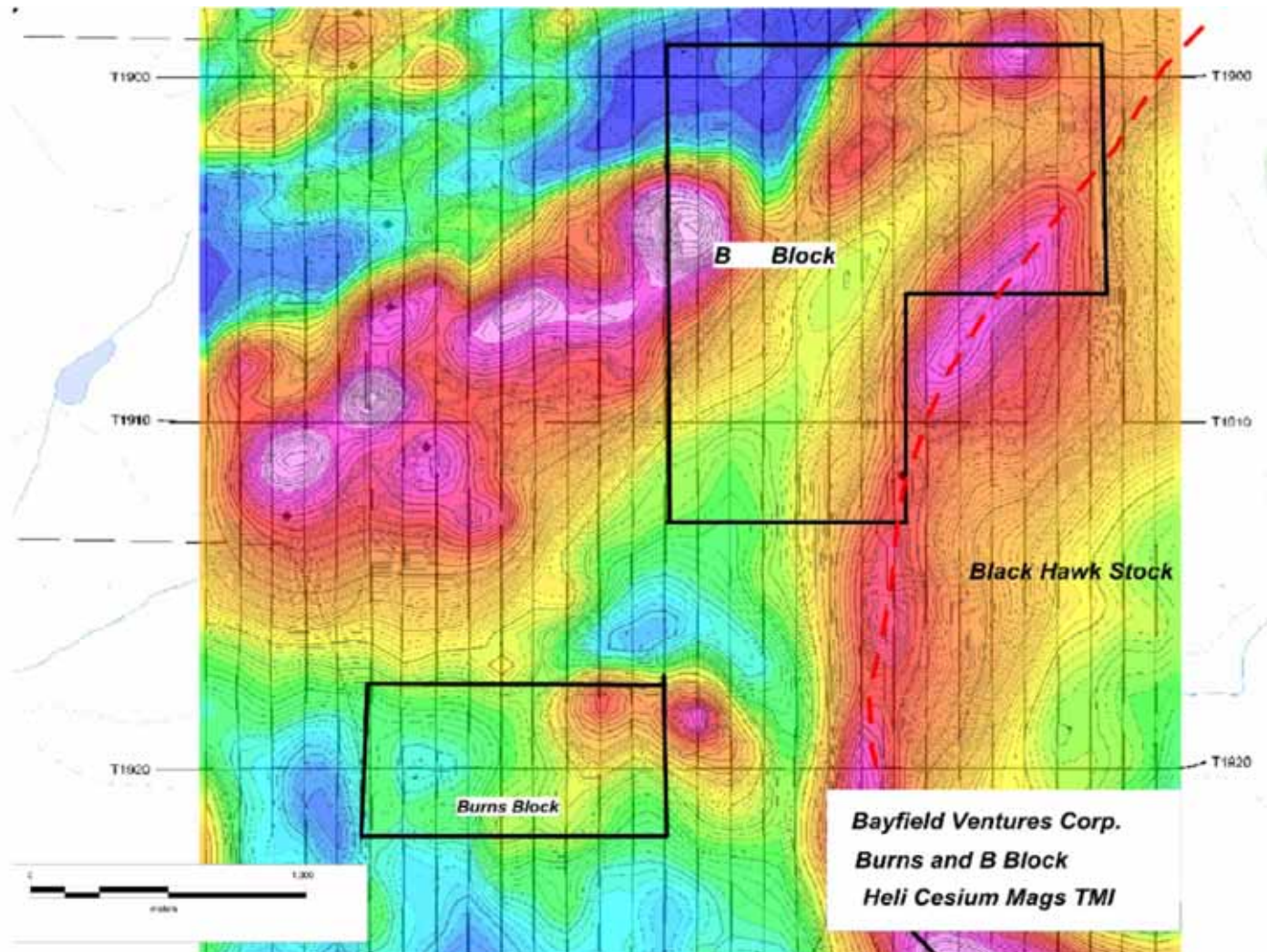


# Burns and “B” Block District Geological Map





# Burns and “B” Blocks: Geophysical Map (Cesium Magnetic Survey)



# Burns Block NI 43-101 Technical Report and Mineral Resource Estimate

Indicated Resources						
	Cut off	Tonnes	Au grade	Ag Grade	Au	Ag
	AuEq (g/t)	T x 1000	g/t	g/t	oz	oz
<b>POP</b>	0.35	1,253	1.0	14.7	39,928	591,954
<b>PUG</b>	2.5	79	7.9	37.0	20,029	93,716
<b>Total Indicated</b>		1,332	1.4	16.0	59,957	685,670
Inferred Resources						
	Cut off	Tonnes	Au grade	Ag Grade	Au	Ag
	AuEq (g/t)	T x 1000	g/t	g/t	oz	oz
<b>POP</b>	0.35	2,788	1.2	14.4	104,121	1,293,763
<b>PUG</b>	2.5	195	7.4	43.0	46,475	269,708
<b>Total Inferred</b>		2,983	1.6	16.3	150,596	1,563,470

Mineral resource estimate tabulation

\*g/t = grams per metric tonne.

\*oz = troy ounce.

\*POP = Potentially Open Pit mineable (above 500 metre depth).

\*PUG = Potentially Underground mineable (below 500 metre depth).

\*AuEq = gold equivalent and values were calculated at 60 to 1 (silver price to gold price) ratio and metallurgical recoveries and net smelter returns are assumed to be 100%.

\* Mineral Resources are not Mineral Reserves and do not have demonstrated economic viability

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# Burns Block Additional Discovery Potential

- Western Burns Zone: Additional drilling at depth on the Western Burns high grade zone would help fill in large holes in the model that have not been assigned a grade, due to a lack of data
  - East Burns – Intrepid Zone: Approximately 120 metres of strike length potential of the southwest plunging East Burns - Intrepid high grade zone remains untested along the southeast to south-central portion of the Burns Block
  - Central Burns Block Main Zone: Several holes collared in the sparsely drilled central portion of the Burns Block property have intersected 5 to 15 metre wide zones of low grade to gram level gold mineralization hosted within the sheared, foliated quartz porphyry dacite. These intersections have not been followed up and present the potential of being associated with additional undiscovered shoots of higher grade mineralization
  - Mineralized zones in both the hanging wall and footwall of the Main Zone: Completed drilling clearly shows the presence of multi-gram gold and silver mineralization in positions above and below the Main Zone. Several wide, significant mineralized zones lying below the Main Zone have been intersected but remain completely open due to lack of drilling. These targets are concentrated in the under explored central portion of the property
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# “B” Block Property

- Bayfield holds a 100% interest in the mineral rights to the "B" Block property. The 480 acre "B" Block is well located and adjoins the immediate north of New Gold's expanding Intrepid gold-silver zone and to the north-east of Bayfield's Burns Block gold-silver deposits
- December 2008, Bayfield completed 4 holes (1192 metres) concentrated in the southwest corner of the “B” claim block
- Hole RR08-2 encountered 5.7 g/t gold (.17 oz/t gold) over 2 metres within 5 metres of 2.64 g/t gold at a depth of about 260 metres
- The potential for additional gold-silver discoveries at the “B” Block is due to encouraging results from completed drilling as well the close proximity of the “B” Block to both the near surface portion of the Intrepid Zone and to the Burns Block property
- The “B” Block is essentially unexplored below 250 metres from surface. The combination of very favorable geology and the known presence of gold-silver-copper-zinc mineralization make the “B” Block a very high quality target area for further exploration

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# “B” Block Discovery Potential

- The mine trend rock package is sharply deflected to the NNE along the western margin of the Black Hawk Stock and has been confirmed by Bayfield Ventures during limited 2013 diamond drilling on the "B" Block property
- Bayfield has discovered relatively narrow zones of multi-gram gold-silver mineralization over a large portion of the southern and central portions of the 480 acre property. These well mineralized intervals occur within wide envelopes of lower grade mineralization and are mineralogically and texturally very similar to the mineralized zones at the Burns Block property
- The interpreted high potential for additional gold-silver discoveries at the "B" Block results from encouraging results in completed drilling as well the close proximity of the "B" Block to both the near surface portion of New Gold's Intrepid Zone and to the Burns Block property. “B” Block drilling has been shallow and the property is essentially unexplored below 250 metres from surface. The combination of very favourable geology and the known presence of gold-silver-copper-zinc mineralization make the "B" Block a very high quality target area for further discoveries through detailed exploration

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## **“B” Block NI 43-101 Compliant Technical Report**

- There is a striking similarity between the compiled current "B" Block data and Burns Block data prior to the start of Bayfield's aggressive drilling program at Burns are readily apparent. Important similarities include:
  - Precious Metal -- Base Metal Mineralization Hosted by Foliated and Sericite Altered Dacite Porphyry Units
  - Wide Intervals of sub gram to gram level Au-Ag mineralization with accompany base metal sulfide stringers and dense disseminations
  - Local meter to multi meter scale intervals of multi gram Au and Ag mineralization
  - Close proximity to known measured, indicated and inferred Au and Ag resources
- These similarities together indicate a highly favorable environment for the discovery of higher grade shoots of mineralization similar to the Intrepid Zone or higher grade shoots discovered by Rainy River within the ODM 17 Zone

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## “B” Block Technical Report Recommendations

- Given the setting and exploration results to date, it is recommended that additional shallow and deep drilling be done in the SW quadrant of the "B" Block. Specifically, drilling is recommended to continue the delineation of the shallow level, wide zones of precious metal -- base metal mineralization intersected in holes B12-6 and B13-1, as well as to begin the process of following this robust zone to depth
- The justification for the recommendation is the interpreted very good discovery potential for multi metre wide zones of high grade gold-silver mineralization.
- Additionally, the drilling of a series of NW trending angle holes across the SW flank of the strong VTEM anomaly in the northern portion of the "B" Block property is also recommended.
- Drilling in the heart of the anomaly completed in 2013 showed a rock sequence nearly identical that which overlies the Intrepid Shoot in the eastern portion of Bayfield's Burns Block project

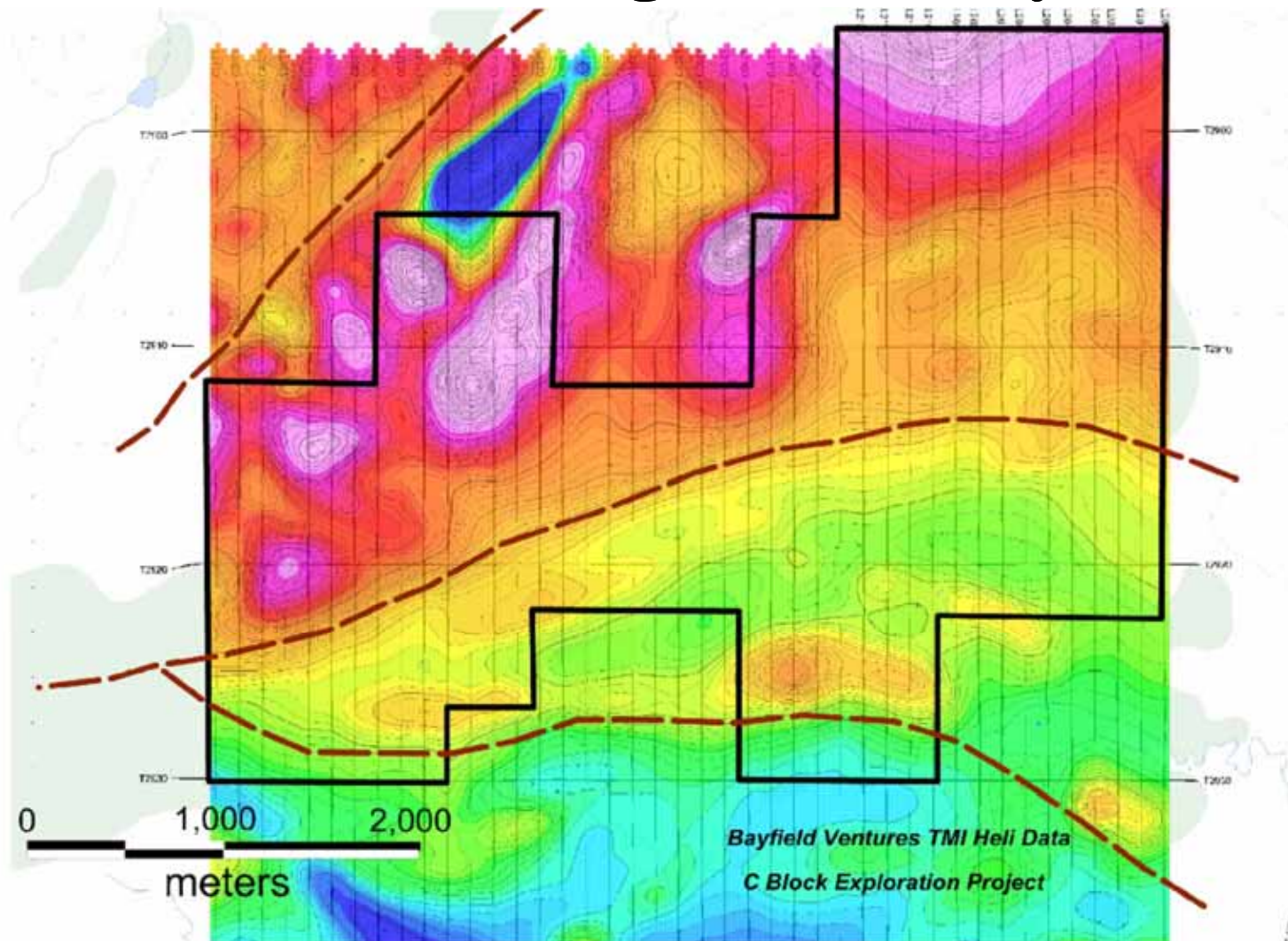
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## “C” Block Property

- Bayfield Ventures’ “C” Block, consisting of 49 units totaling approximately 1976 acre, abuts the western boundary of New Gold’s Richardson Township property
- Airborne geophysical survey carried out in late 2010 shows clear evidence of mafic volcanic rocks in the northern portion of the property; these rocks are separated from interpreted intermediate volcanic rocks by a sharp contact that is very likely a fault
- The interpreted fault contact and the area of interpreted intermediate volcanic (dacite or equivalent) rocks present top quality drill targets at the “C” Block



# “C” Block: Geophysical Map (Cesium Magnetic Survey)



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## Recap & Goals

- Bayfield owns 100% mineral rights to 3 properties adjacent east and west of New Gold's (previously Rainy River Resources') significant multi-million ounce gold-silver deposits in north-western Ontario
- Major drill program explored and expanded the extension of gold and silver mineralization that was being defined by Rainy River Resources (now New Gold) onto Bayfield's adjacent Burns Block
- Gold and silver intercepts reported on Burns Block continue to define eastern and western extensions of New Gold's main ODM17 gold-silver deposit and Intrepid gold-silver Zone respectively
- 300 plus diamond drill holes totalling approx. 100,000 metres completed at Bayfield's Burns Block project
- Discovery of two high grade gold-silver zones as well as the definition of near-surface, bulk tonnage gold-silver mineralization

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# Bayfield

V E N T U R E S C O R P .

## CONTACT INFO

**Jim Pettit: CEO**

**Don Myers or Eric Carlson: Corporate Communications**

*Robert Marvin, P.Geo., CPG, VP Exploration for Bayfield Ventures, is the Qualified Person, as defined by National Instrument 43-101, and has approved the information in this presentation.*

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**Frankfurt Symbol: B4N**

**OTC Pink Symbol: BYVVF**

