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NEWS RELEASE

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Bayfield Begins 20,000+ Metre Drill Program on Rainy River Gold Properties in NW Ontario

Vancouver, BC - Bayfield Ventures Corp. (TSX-V: BYV) (FWB: B4N) (the “Company”) is pleased to announce the mobilization of a drill rig, equipment and infrastructure for the commencement of a 20,000+ metre drill program on its 100% owned properties in the Rainy River district of northwestern Ontario. Rodren Drilling of Winnipeg has commenced diamond drilling on Bayfield’s Burns Block property situated immediately to the east and on strike to Rainy River Resources’ (TSX-V: RR) main ODM17 gold deposit in the Richardson Township.

The objective of this major drill program is to explore and expand the extension of gold mineralization that is being defined by Rainy River Resources on their ground adjacent to Bayfield’s properties. The drilling will focus on confirming gold continuity and grade at depths within the shell of a potential open pit mine.

Additionally, Bayfield is contemplating a second drill rig this summer for a drill program on its 100% owned “B” Claim Block located immediately northeast of the Burns Block.

Rainy River gold properties claims map:

<http://www.bayfieldventures.com/i/pdf/BYVRRArea.pdf>

The mineralization encountered to date on Bayfield’s Burns and “B” Claim Block properties occurs in the same geological environment as that on the main ODM17 gold zone of Rainy River Resources to the immediate west.

Gold reserves on the Rainy River Resources property were reported on March 2, 2010 as 56,833,000 tonnes at 1.3 g/t gold indicated (2.37 million ounces) in addition to 68,930,000 tonnes at 1.2 g/t gold inferred (2.66 million ounces). These resources were arrived at using a 0.4 g/t gold cut off.

Ten holes (totalling 4841 metres) have been previously drilled and reported on Bayfield’s Burns Block. This drilling has confirmed the widespread distribution of gold within two litho-structural intervals directly on strike with the ODM17 gold zone and North gold zone of Rainy River Resources. Shallow intercepts reported by Bayfield along the strike extension of Rainy River Resources’ ODM17 gold zone indicate that well above gold cut-off grade mineralization continues onto the Burns Block.

Significant results from previous drilling on the Burns Block include 4.5 metres of 7.34 g/t gold, 43.5 metres of 0.78 g/t gold including 4.5 metres of 3.0 g/t gold, 25 metres of 0.89 g/t gold, 61.2 metres of 0.49 g/t gold including 7.5 metres of 1.77 g/t gold within 16.5 metres of 1.20 g/t gold, and 1 metre of 9.51 g/t gold.

Burns Block and "B" Claim Block map showing drill holes:

<http://www.bayfieldventures.com/i/maps/BYV-Burns-and-B-Block-Aerial.jpg>

A four hole drill program (1192 metres in total) was completed by Bayfield on its "B" Claim Block property back in 2008. All four holes encountered wide sections of elevated to strongly anomalous gold values and a 2 metre intercept grading 5.7 g/t gold was intersected in one of the holes. Mineralization on the "B" Claim Block was encountered in felsic pyroclastics flanking a strong north-south trending fault on the property.

Bayfield Ventures is well situated with \$4,000,000 in its treasury to carry out the proposed drilling on both its Burns and "B" Claim Block properties. The Company may also conduct future work on its "C" Claim Block property located west of Rainy River Resources' ground.

The Company's properties are very well located with easy access to roads and power. Ontario has low political risk and the Rainy River district has skilled labour and is one of the lowest-cost areas for mineral exploration and development in Canada.

About Bayfield Ventures Corp.

Bayfield Ventures Corp. is exploring for gold in the Rainy River and Red Lake districts of north-western Ontario.

For further information on Bayfield Ventures Corp. (TSX-V: BYV), visit the Company's web site at www.bayfieldventures.com.

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