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ᐊᑦᑭᑦ 2015, ᐃᑖᑕᑭᑭᑦ ᓄᓇᑭᑦ ᐊᑖᓄᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ 5,000 ᑎᑭᑦᑭᑦ 10,000 ᑭᑦᑭᑦ, ᐊᑕᑭᑦᑭᑦ ᐃᑖᓄᑦᑭᑦ ᑭᑭᑦᑭᑦ ᐊᑕᑦᑭᑦ. ᐊᑕᑭᑦᑭᑦ ᐃᑖᑕᑦᑭᑕᑭᑦᑭᑦ ᓄᓇᑭᑦ ᐊᑖᓄᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ 200 ᑭᑦᑭᑦ, ᑭᑦᑭᑦᑭᑦ ᓄᓇᑭᑦ ᐊᑖᓄᑦ 700 ᑭᑦᑭᑦ. ᓄᓇᑭᑦ ᐃᑖᑕᑭᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦ 1.

ᐱᑕᑕᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑕᑕᑦᑭᑦᑭᑦ ᐃᑕᑦᑭᑕᑭᑦᑭᑦ ᐱᑕᑕᑦᑭᑦᑭᑦ ᐃᑦᑭᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ 10-12 ᐃᓄᑦᑭᑦᑭᑦ ᐱᑕᑕᑦᑭᑦᑭᑦ. ᐃᑦᑭᑕᑦᑭᑦᑭᑦ ᐱᑕᑕᑦᑭᑦᑭᑦᑭᑦ ᑦᑭᑦᑭᑕᑦᑭᑦᑭᑦ ᑭᑕᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑦᑭᑕᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦ ᐊᑦᑭᑦ (Arctic Watch) ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ.

ᐱᑕᑕᑦᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦ 2014 ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ, ᓄᑕᑦᑭᑦ ᐱᑕᑕᑦᑭᑦᑭᑦ ᓂᑭᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦ ᓄᓇᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦ ᐱᑕᑕᑦᑭᑦᑭᑦ. ᓄᑕᑦᑭᑦ ᐱᑕᑕᑦᑭᑦᑭᑦ ᓂᑭᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᓄᓇᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ 73°39'20" N latitude ᐊᑦᑭᑦ 94°27'34" W longitude (ᐊᑦᑭᑦᑭᑦᑭᑦ 2). ᑕᑦᑭᑦ ᓄᑕᑦᑭᑦ ᐱᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ, ᓄᑕᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐊᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦ ᓄᓇ ᐊᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ.

ᐱᑕᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐃᓂᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦ ᑦᑭᑕᑦᑭᑦᑭᑦ ᐊᑦᑭᑦ ᑭᑦᑭᑦᑭᑦ, ᑕᑦᑭᑦᑭᑦ ᐱᑕᑕᑦᑭᑦ ᐃᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ (ᐊᑦᑭᑦᑭᑦᑭᑦ 2). ᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐱᑕᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ 6 ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦ, ᐊᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦ, ᐃᑕᑦᑭᑦ ᑭᑦᑭᑦ, ᑎᑎᑦᑭᑦᑭᑦ ᑭᑦᑭᑦ, ᑭᑦᑭᑦᑭᑦ ᐃᑖᑕᑦᑭᑦᑭᑦ ᐃᓂᑦᑭᑦᑭᑦ, ᐊᑕᑦᑭᑦᑭᑦ ᐃᑭᑎᑕᑭᑦᑭᑦᑭᑦ, ᐊᑦᑭᑦ ᑭᑦᑭᑦ ᐊᓇᑦᑭᑦ. ᐊᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐃᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦ, ᐊᑦᑭᑦᑭᑦᑭᑦ, ᐊᑦᑭᑦ ᑦᑭᑦᑭᑦᑭᑦ ᓄᑎᑦᑭᑦᑭᑦᑭᑦ.

ᐃᑦᑭᑦᑭᑦ ᐊᑕᑦᑭᑦᑭᑦ ᐱᑕᑕᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ 2015, ᐊᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ, ᐃᑦᑭᑦᑭᑦ ᐊᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ 100 m³ ᑭᑦᑭᑦᑭᑦ ᐊᑕᑦᑭᑦᑭᑦ. ᐱᑕᑕᑦᑭᑦᑭᑦ ᐊᑕᑦᑭᑦᑭᑦᑭᑦ 2 m³ ᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦ ᐃᑖᑕᑭᑦᑭᑦ ᐊᑕᑦᑭᑦᑭᑦ 40 m³ ᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦᑭᑦᑭᑦᑭᑦ.

ᑭᑦᑭᑦᑭᑦ ᐊᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦᑭᑦᑭᑦ 40,000 L (~ 200 ᑦᑭᑕᑭᑦᑭᑦ) ᐃᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᓄᓇᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐱᑕᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑦᑭᑕᑦᑭᑦᑭᑦ, ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ. ᐊᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦ ᐱᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ. ᐊᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐃᑦᑭᑦ 4,000 L ᐊᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐃᑖᑕᑦᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐊᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ. ᑭᑦᑭᑦ 30 ᐃᑕᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ, ᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ, ᑦᑭᑦᑭᑦᑭᑦ ᐃᑕᑦᑭᑦᑭᑦᑭᑦᑭᑦ, ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᐊᑦᑭᑦ ᑦᑭᑦᑭᑦ ᐊᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ.

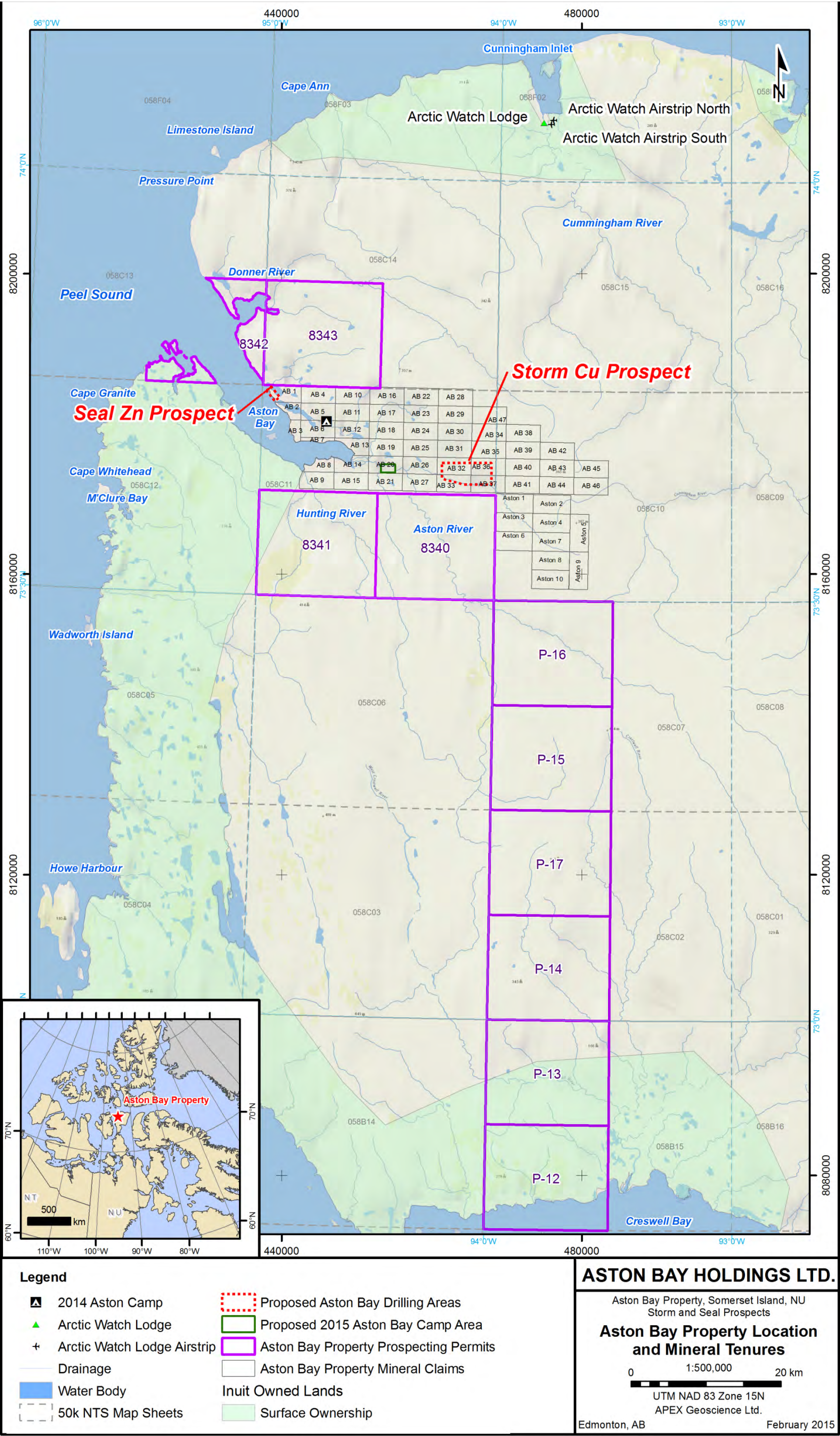


Figure 1

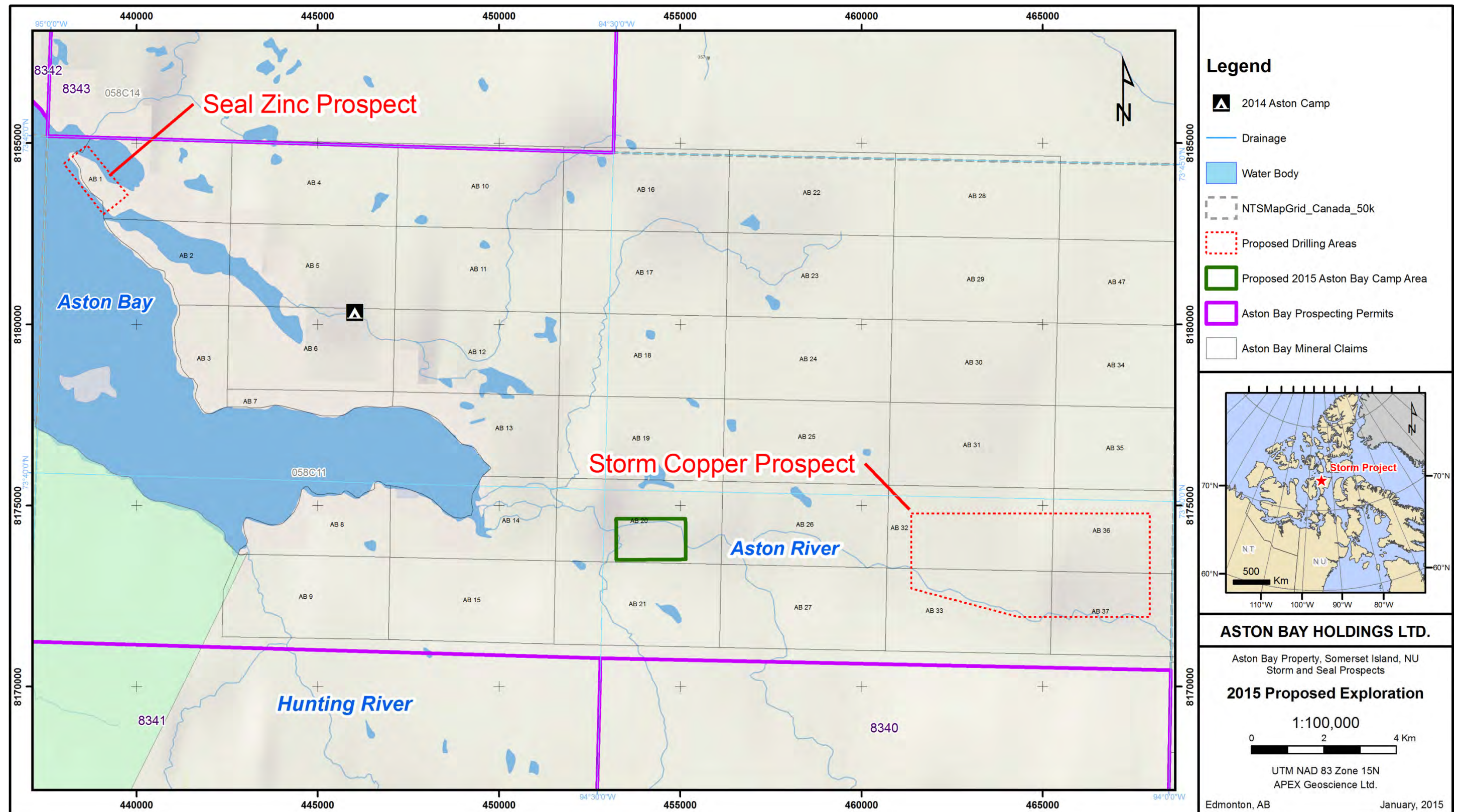




Figure 3