

10 September 2013

New drilling at Wolverine delivers further success

- Three of the first four holes from latest drilling program indicate extensions of HRE mineralisation along strike and at depth
- Visual assessments and portable XRF measurements indicate significant intersections of xenotime mineralisation (within silicified breccias up to 30 metres downhole width) – assay results expected in about eight weeks
- Highlights potential for further resource tonnage increase at Wolverine, beyond the JORC resource update planned for next month

Northern Minerals (ASX:NTU) is pleased to report encouraging early results from a new drilling program at the Browns Range Heavy Rare Earth (HRE) project, with visual assessments and portable XRF measurements indicating extensions to mineralisation at the Wolverine prospect.

The Company commenced the 4,000 metre drilling campaign at Wolverine in late August, with 832 metres completed to date. The program follows previous RC and diamond drilling which identified new target areas, and potential additional resource tonnages, both at depth and along strike.

Northern Minerals has completed visual and portable XRF assessments from the first four diamond holes, three of which (BRWT0273, BRWT0274 and BRWT0275) have significant intersections of the typical breccia hosted xenotime mineralisation below and to the west of previously defined areas. The visual indications occur over downhole widths of up to 30m.

Diamond Core BRWT0273 from 363.4m to 368.5m (Part of 30m downhole intersection of silicified breccia with visible xenotime – assays pending)



pathway to production

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Samples will now be sent for laboratory analysis, and results are expected to be available in six to eight weeks. This data is expected to contribute to a further planned update early next year in the JORC resource estimate at Browns Range.

Northern Minerals is currently working toward delivering a JORC resource estimate update next month, following the successful 24,000 metre drilling program completed in the first half of the year. This program delivered outstanding results from the Gambit West, Area 5 and Wolverine prospects, including the best intersection to date from Wolverine (as announced 26 August).

Northern Minerals Managing Director George Bauk said, "The latest results fuel further confidence in the future growth of the resource at Wolverine and Browns Range."

"These results will not be available to contribute to our resource upgrade next month, but they show the potential for further growth at Wolverine, and we will be working toward an additional resource upgrade by early next year," Mr Bauk said.

Figure 1: Wolverine Cross Section 493575mE

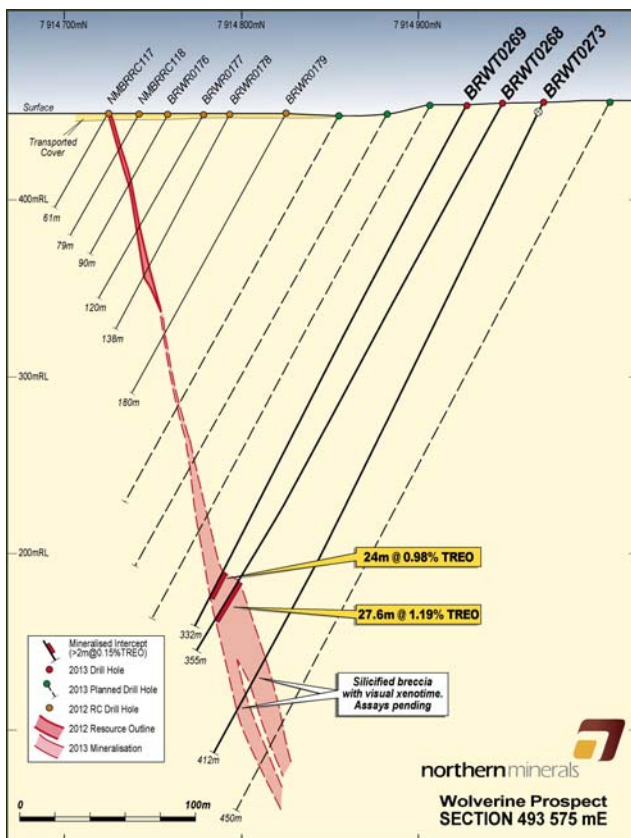
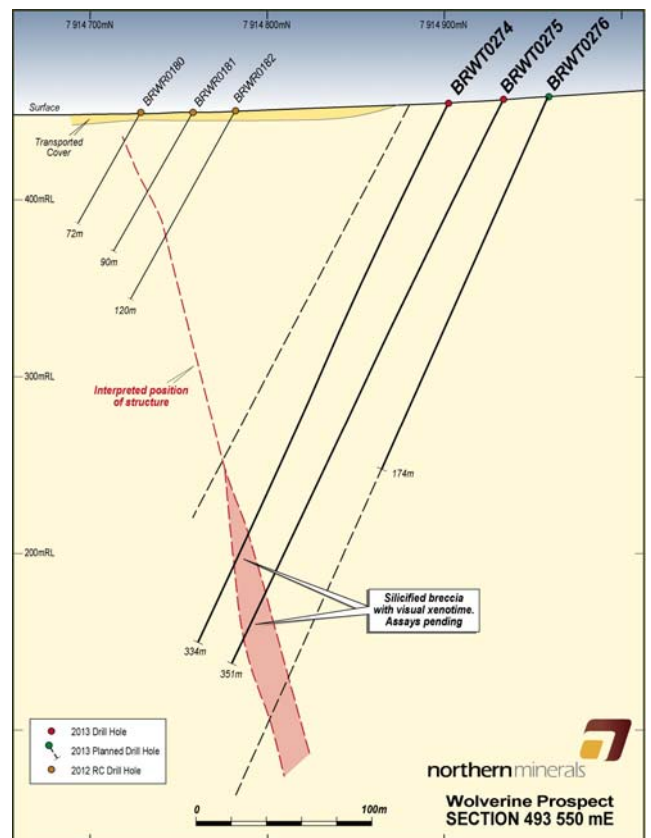


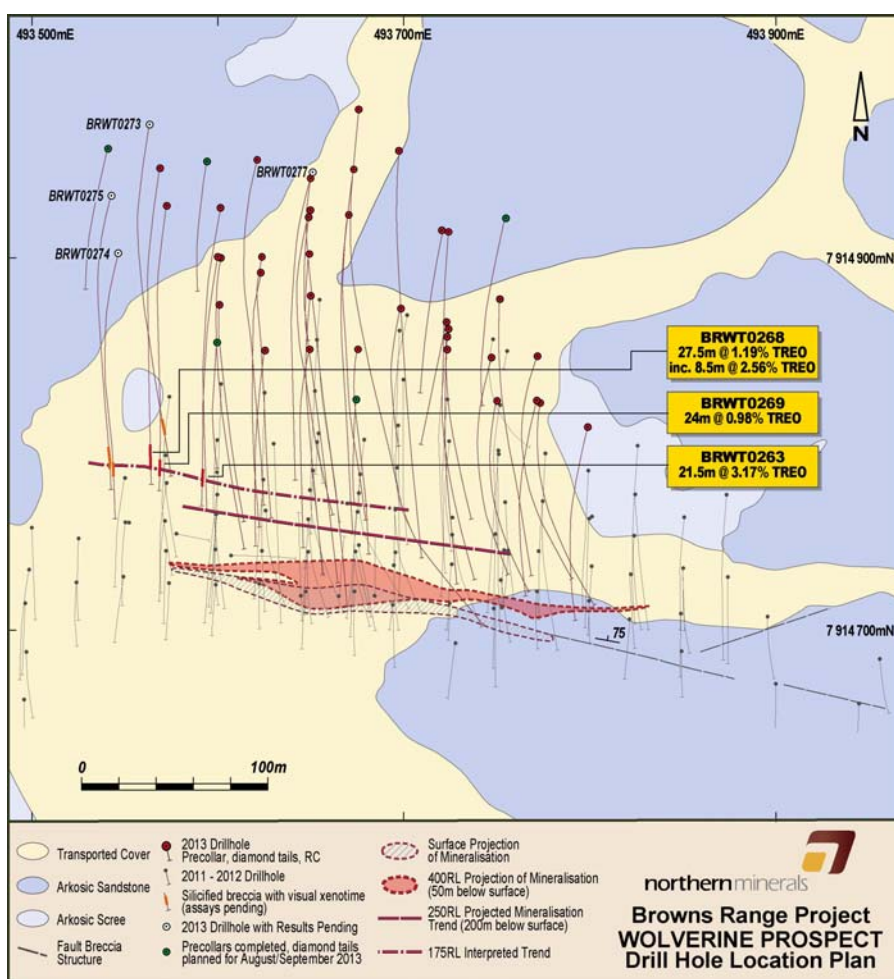
Figure 2: Wolverine Cross Section 493550mE



Diamond Core BRWT0275 from 330.8m to 335m
(Part of 25m downhole intersection of silicified breccia with visible xenotime – assays pending)



Figure 3: Wolverine drill hole location plan showing new intersections



Drill hole collar table for recently completed drill holes at Wolverine prospect

(Coordinates in GDA94 Zone 52)

Hole ID	Easting	Northing	RL	Mag Azimuth	Dip	Depth	Diamond Core (m)
BRWT0277	493651	7914946	450	193	-65	432.5	222.8
BRWT0273	493563	7914971	456	190	-60	411.6	232.4
BRWT0274	493547	7914902	453	190	-60	333.5	171.9
BRWT0275	493542	7914933	455.5	193	-60	351.4	213.7

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About Northern Minerals:

Northern Minerals Limited (ASX: NTU) is focused on development of rare earth elements (REE), with a large and prospective landholding in Western Australia and the Northern Territory. The Company's flagship project is Browns Range, where it has a number of prospects with high value HRE in xenotime mineralisation. In particular, the mineralisation includes high levels of dysprosium and yttrium, which are in short supply globally and expected to be increasingly sought after as world economies stabilise and recent trends in urbanisation and technology diffusion, particularly in Asia, accelerate. Following outstanding results from its drilling and metallurgical programs in 2012, the Company has delivered its maiden JORC resource, advancing Browns Range toward production, using a relatively simple and low cost processing flowsheet to produce a high grade mixed Rare Earth oxide. Northern Minerals also has a HRE exploration program underway at the geologically similar John Galt project. For more information

www.northernminerals.com.au

