



Windarra  
Resource  
Group

## WINDARRA MINERALS LTD. (TSX.V – WRA)

2300 – 1066 West Hastings Street, Vancouver, BC, V6E 3X2

Tel: (604) 688-1508 Fax: (604) 601-8253

Email: [jpallot@windarra.com](mailto:jpallot@windarra.com)

Website: [www.windarra.com](http://www.windarra.com)

---

NEWS RELEASE

August 21, 2006

### **More Encouraging Results From Prospecting on Windarra's Pukaskwa Property Highlight Newly-Discovered Mineralized Zones**

In addition to the exciting results of trench sampling announced previously for the Bonanza-Grade and Middle Finger Lake zones on its Pukaskwa Property (see News Release dated July 25, 2006), Windarra Minerals Ltd. is pleased to announce further assay results from a prospecting and trenching program which was completed in June. Highlights of the sampling, detailed in the figure which follows, include: 1) high-grade float samples of quartz vein material collected from the 400 metre long, 100-200 metre wide soil geochemical anomaly between the Bonanza-Grade and Middle Finger Lake zones, 2) new trenches exposing newly-recognized mineralized zones that host high-grade Gold veins within metre-scale envelopes of lower-grade material in trenches at either end of the same soil anomaly; and 3) high-grade quartz vein samples collected from an incompletely-cleaned trench located approximately 500 metres eastward along trend from where the Middle Finger Lake zone. The new results continue to demonstrate the excellent exploration potential of the Pukaskwa Property.

#### **Upper Cedar and Duddy Trenches**

Samples from Upper Cedar and Duddy trenches, located between the Middle Finger Lake and Bonanza-Grade Vein zones, also returned significant gold values. The two trenches lie near the opposite ends of a 100-200 metre wide, 350-400 metre long northeast trending Au+As (gold plus arsenic) soil geochemical anomaly whose northeast end lies several hundred metres west of where the Middle Finger Lake zone is exposed in trenches. The Upper Cedar trench was excavated near this end of the anomaly, while the Duddy trench was excavated near the southwest end of the soil anomaly, which lies several hundred metres north of the Bonanza-Grade Vein zone.

Two channel samples at the Upper Cedar trench, which was centred on an area in which several grab samples yielded in excess of 20 g/t gold from quartz veins, returned +5 g/t gold values across decimetre-scale widths in two channel samples, with supportive wallrock values across several metres that range between 0.2 to 0.5 g/t gold. Averaged values across the length of the two channel samples, which were between 4 and 5 metres, are approximately 0.65 g/t gold. In addition, eight grab samples from the trench included a high value of 26.7 g/t gold from an arsenopyrite-bearing quartz vein, and the five grab samples of pyrite- and arsenopyrite-bearing foliated and chloritic siliciclastic wallrocks averaged 1.2 g/t gold. While the results of the channel sampling do not match those reported previously for the Middle Finger Lake zone, the similar style of mineralization and the fact that the trench is only located on the margin of the strong Au+As soil geochemical anomaly, suggest that this area has excellent potential for Middle Finger Lake-style mineralization.

The Duddy trench lies near the southwest end of the extensive soil anomaly between the Middle Finger Lake zone and the Bonanza-Grade Vein zone, several hundred metres north of the vein itself. No channel samples were collected from the Duddy trench, but four of the eleven grab samples, all from quartz vein material, returned greater than 5 g/t gold, with a high of 27.7 g/t gold. All but one of the other samples returned anomalous values in gold, including several from chlorite- and carbonate- altered siliciclastic wallrocks.

In addition to the encouraging values returned in sampling from the Upper Cedar and Duddy trenches, three grab samples of arsenopyrite-azurite-bearing quartz vein material collected approximately 100 metres southwest of the Upper Cedar trench yielded excellent returns of 25.8, 18.8, and 18.5 g/t gold. As mentioned above, the area in which the samples were collected, between the Upper Cedar and Duddy trenches, corresponds with an excellent

Au+As soil geochemical anomaly, and the sampling indicates that the potential is high in this area for the discovery of more, and more continuous, mineralized zones.

### **Baseline Trench**

At the Baseline trench, an unfinished, incompletely-cleaned trench located approximately 500 metres eastward along trend from the Middle Finger Lake zone, eleven grab samples ranged in value between 22.2 g/t and 0.48 g/t gold, with five samples yielding results greater than 5 g/t gold. Most of the samples were from arsenopyrite-bearing quartz veins or arsenopyrite-rich wallrocks immediately adjacent to quartz veins. Like the Upper Cedar trench, the Baseline trench is actually marginal to the adjacent strong gold and arsenic soil geochemical anomalies.

### **Heli Trench**

Five channel samples were cut in the Heli trench, located approximately 150 metres southwest of the Bonanza-Grade vein. While only two of the five samples yielded significant results, with one yielding 2.4 g/t gold across 5.25 metres, and one yielding 0.76 g/t gold across 2 metres, they were collected from wallrock as opposed to vein material, suggesting that strongly chloritized matrix-supported conglomeratic siliciclastic rocks, where containing disseminated sulphides (pyrite and arsenopyrite) and local millimeter-scale quartz veinlets, have the potential to host mineralized zones of significant width. It is encouraging to note the presence of this style of mineralization, which resembles that of the Middle Finger Lake zone, in the vicinity of the narrower but very high grade Bonanza-grade zone.

Windarra just completed detailed ground geophysical surveys (Induced Polarization and Magnetometer) and a program of detailed geologic mapping and prospecting on the Pukaskwa Property. The company is awaiting the final interpretation of the geophysical program and a full compilation and review of the prospecting and geological work. Final targets for a planned diamond drilling program, which may be undertaken in the fall of this year, will be chosen following receipt of this information.

The Pukaskwa property is located 50 kilometres west of Wawa, Ontario, less than 20 km northwest of River Gold Ltd.'s Eagle River Mine, which has produced approximately 600,000 ounces gold since 1995. The property, which consists of a belt of 55 contiguous unpatented mining claims spanning a length of over 13 km, also lies 20 km southwest of the formerly-producing Magnacon mine, in which Windarra holds an interest. Like the Pukaskwa property, the Magnacon properties lie along the highly prospective Mishibishu gold belt. Windarra Minerals Ltd. can earn a 100% interest in the Pukaskwa Property from Messina Minerals Inc. by issuing 350,000 shares over a 30-month period and by maintaining the property in good standing.

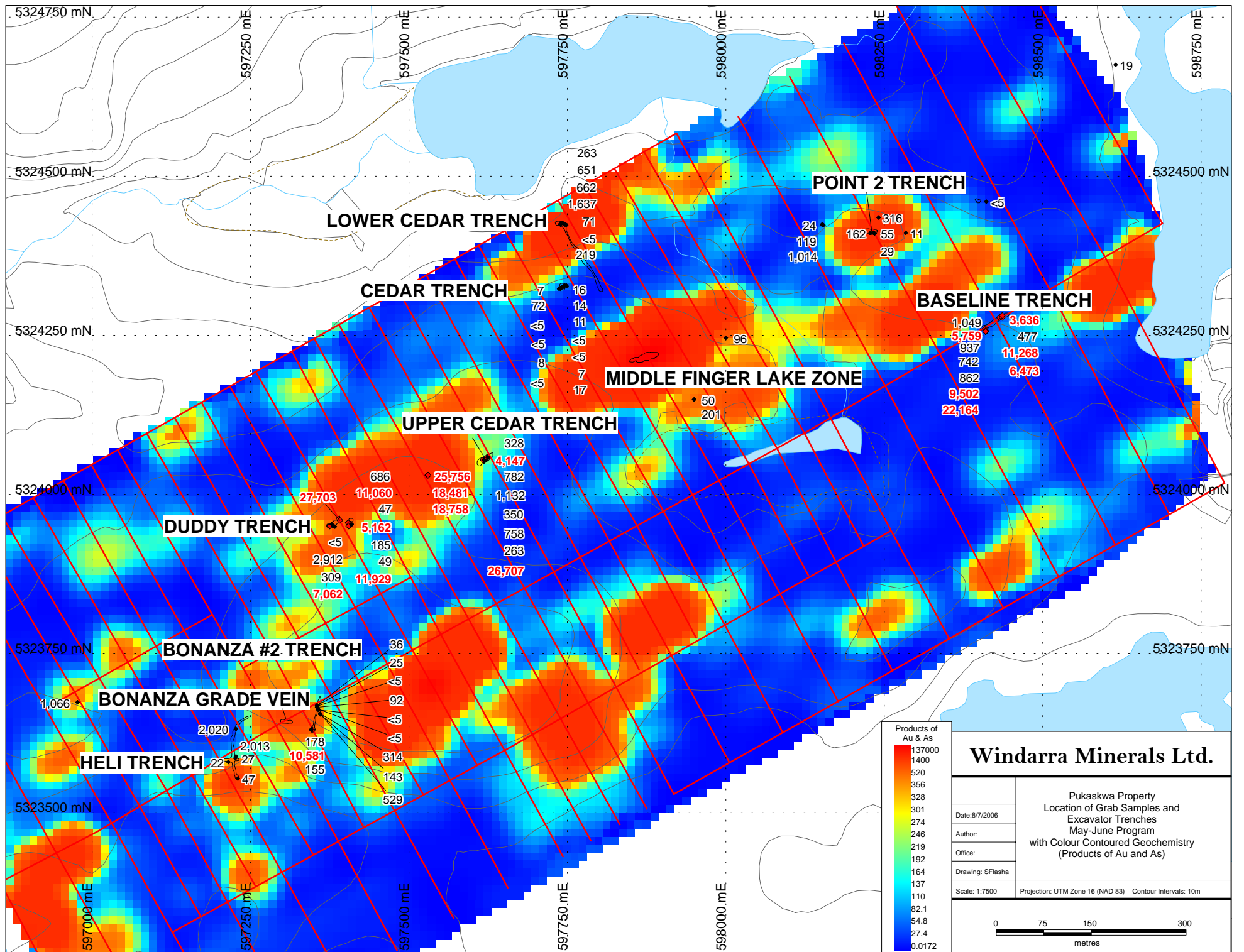
Geochemical analyses for samples collected during this program were determined by Accurassay Laboratories of Thunder Bay, Ontario, via fire assay of a 30 gram sample with an atomic absorption finish by an accredited method. Duplicate analyses of samples, with both high and low grades, yielded results within several percent of one another.

*The field and analytical data described in this release has been reviewed and approved by C.J. Greig, M.Sc. P.Geo., a Qualified Person as defined by National Instrument 43-101.*

On behalf of the Board of  
Windarra Minerals Ltd.

*“John Pallot”*  
President

*The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of the content of this news release.*



# Windarra Minerals Ltd.

Pukaskwa Property  
 Location of Grab Samples and  
 Excavator Trenches  
 May-June Program  
 with Colour Contoured Geochemistry  
 (Products of Au and As)

Date: 8/7/2006  
 Author:  
 Office:  
 Drawing: SFlasha

Scale: 1:7500    Projection: UTM Zone 16 (NAD 83)    Contour Intervals: 10m

