

Location/Identification									
MINFILE Number	: 104I 126								
Name(s):	DJ								
	TURNAGAIN								
	D			T id					
Status:	Prospect		Mining Division:						
Destance	Dritich Columbia		Electoral District:	Slikine Slicomo Stilino Notural Decourse District					
Regions:			Resource District:	Skeena Stikine Natural Resource District					
BCGS Map:	104107W		UTM Zono:	(0, (NAD 82))					
N 15 Map: Latitudo:	58 29 20 N		UT M Zone.	6482146					
Langitude:	128 53 49 W		Northing:	50(000					
Elevation:	1448 metres		Easting:	506008					
Location Accuracy	• Within 500M								
Comments.	Location of DJ zone.	kilometres northwest of the main Turn	again deposit (104I 119)	about 65 kilometres east of the					
comments	community of Dease I	_ake (Property Geology map, http://www	w.hardcreeknickel.com).	,					
	-	Mineral Occur	rence						
Commodities:	Platinum, Palladium, Copp	er							
Minerals	Significant:	Chalcopyrite, Magnetite							
	Significant Comments:	The platinum-palladium minerals are	thought to be associated	with concentrations of both chalcopyrite and					
	5	magnetite.	-						
Deposit	Character:	Disseminated, Massive							
	Classification:	sification: Magmatic, Syngenetic							
	Туре:	M05: Alaskan-type Pt+/-Os+/-Rh+/-	ſr						
Hast Deck									
	N DI L	11057 11057	•						
Dominant Host R	ock: Plutonic								
Stratigraphic Ag	e Group	Formation	Igne	eous/Metamorphic/Other					
Lower Jurassic			Ultr	amafic Intrusions					
Isotopic Age		Dating Method	<b>Material Dated</b>						
<b>X</b> *41 1 6	Compartinized Clinearymetronite	Hamplandita							
Lithology:	serpentinized Chilopyroxenite,	Homolenane							
Comments:	The DJ zone, part of the Turna	gain property, is three kilometres northy	vest of the main Turnaga	in deposit, Horsetrail					
(	1041 119). The DJ zone is cha	racterized by platinum and palladium m	ineralization hosted by se	erpentinized					
cinopyroxenite within an extensive area underlain by nornbiendite.									
		Geological Se	ung						
Tectonic Belt:	Intermontane	Physiographic Ar	ea: Cassiar Mo	puntains					
Terrane:	Cache Creek, Cass	siar, Quesnel							
Metamorphic Ty	e Regional								
Grade	Greenschist								
Graue.	Greensemst	• • • • • • • • • • • • • • • • • • •							
Inventory									

Ore Zone:	DRILLHOLE		Year:	2006			
Category:	Assay/analysis		<b>Report On:</b>	Y			
			NI 43-101:	Ν			
Sample Type:	Drill Core						
	Commodity	Grade					
	Platinum	0.61 grams per tonne					
Comments:	Hole 06-149 intersected 8.9 metres grading 0.61 gram per tonne combined for platinum and						
Reference:	Press Release, Hard Creek Nickel Corp., December 21, 2006.						

Capsule Geology

The DJ zone is three kilometres northwest of the main Turnagain deposit (104I 119), about 65 kilometres east of the community of Dease Lake.

The area is underlain by the Early Jurassic (and earlier (?)) Turnagain ultramafic suite which measures 8 by 3.5 kilometres and is elongate in a northwest direction and is conformable with the regional structural grain. The ultramafic body is in fault contact with early Paleozoic graphitic phyllites and lesser calculate and quartz-rich tuff layers along its northern and eastern margins. Diamond drilling suggests that the poorly exposed southwestern margin of the intrusion is in intrusive contact with metasedimentary, volcaniclastic and carbonate rocks of possible Triassic age.

The Turnagain ultramafic suite broadly consists of a central dunite core with peripheral units of wehrlite (olivine + clinopyroxene-rich peridotite), olivine clinopyroxenite, clinopyroxenite, and hornblendite, all of which represent crystal cumulate sequences.

The DJ zone, part of the Turnagain property, is three kilometres northwest of the main Turnagain deposit, Horsetrail (104I 119). The DJ zone is characterized by platinum and palladium mineralization hosted by serpentinized clinopyroxenite within an extensive area underlain by hornblendite. The platinum-palladium minerals are thought to be associated with concentrations of both chalcopyrite and magnetite.

In 2004, eighteen vertical and inclined holes drilled to test platinum group elements mineralization within the DJ zone, in the northwestern part of the ultramafic body, intersected 2 to 34 metre intervals with platinum plus palladium values ranging from 0.267 to 2.407 grams per tonne and averaging 0.64 gram per tonne (Carter, 2005). The platinum:palladium ratio is approximately 1:1 and associated copper values average 0.04 per cent.

In 2006, exploration holes on the DJ were step-outs from 2004 and 2005 drill intersections reporting up to 2.41 grams per tonne platinum and palladium across two metres. The holes drilled in the DJ area were testing for bedrock sources along the northern limit of a platinum and palladium-copper soil anomaly. Hole 06-149 intersected two pegmatitic clinopyroxenite zones with anomalous platinum and palladium, while holes 06-147, 148 and 150 encountered unmineralized mafic units and diorite dikes. Hole 06-149 intersected 8.9 metres grading 0.61 gram per tonne platinum and palladium (Press Release, Hard Creek Nickel Corp., December 21, 2006). Prospective platinum and palladium horizons located at the DJ area a were interpreted by Hard Creek Nickel to extend further northwest and to underlie an untested, 800 by 400-metre copper-in-soil anomaly, with values up to a maximum of 7,164 parts per million copper. In addition, copper values exceeding 1,000 parts per million locally coincide with platinum and palladium up to 585 parts per billion.

In 2011, Hard Creek Nickel completed a 75.5 line-kilometre ground magnetic survey over the DJ-DB area, centred 2.5 kilometres northwest of the Horsetrail deposit. With magnetic readings every 25 metres on 50 metre spaced lines, the survey provided detailed information on distribution of buried lithology and intrusive contacts.

See Turnagain Nickel (Horsetrail) (104I 119) for further details of the Turnagain property, including geology, work history and bibliography.

**Bibliography** 

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Oct.21,30, Nov.12,28 Dec.4, 2003; Mar.8, Apr.26 May 11, June 25, 2004; Hard Creek Nickel Corp: May 8, Aug.9, Sept.12,15,23, Nov.14,17,

Dec.8,13, 2004; July 7, Sept.9,\*26, Oct.31, 2005; Jun.15,21; Jul.17, Dec.13,\*21, 2006; Jan.10, 2007; Nov.26, 2008; May 5, (Resource) 2009;

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