

Normin/Boise Cascade

International Falls

Native Dancer

Folder: 1

Doc #: 6

70-23- 6 FILE # 3

ITEM
3

Diamond Drill Log

ND-2



DIAMOND DRILL HOLE LOG

Page 1 of 1

Company Normin Mining Inc

LEGEND

talus - vol.		cross-cutting veins	
polite - gube			
chert beds			
silts			

SURVEY

Footage	Bearing	Inclination
100'		46°
350'		45°
650'		33°

Property <u>Native Dancer</u>	Hole No. <u>ND-2</u>
Location _____	Bearing at Collar <u>340°</u>
	Inclination at Collar <u>-45°</u>
Coord. - Collar N <u>20100 S</u>	
E <u>0100 E</u>	Length <u>653'</u>
Elev. - Collar _____	Core Size <u>N9</u>
Date started _____	
Completed _____	Logged by <u>JM</u>

LITHOLOGY, ALTERATION, MISC.	FT.	GRAPHIC LOG	MINERALIZATION	RECOVERY				ANALYTICAL						BOX	
				Run	Run length	Core	%	Sample	Interval	As ppb	Ni ppm	Cu ppm	Zn ppm		Pb ppm
0-29' overburden	0														
29'-252' chl, actin, bio gch w/ g ₂ pods + beds + carb, top. po + py dissem thruout, carb units, g ₂ vns common, locally mag-rich. Mass- mble bed - folia. chite altd vde-dac and fts. sheared + metamorphic to upper gneiss (amphibolite cut by carb + g ₂ vns.	100		470°					197-198	29'-125'	7					
sed input increases downhole	200		470°					199-209	125'-190'	20					
biotite meta sds -			480°					210-211	190'-200'	308					
chite ash - chert, chl-rich + dissem-py			450°					212-216	200'-225'	10					
chert, biotite increasing downhole								217-219	225'-240'	317					
								220-220	240'-250'	48					
g ₂ , chl, py vns + graphite	300		40°					221-225	250'-275'	7					
polites coarsening downhole to politic gubes			15% 5-20% py 1-2% po + py					226	275'-298'	415					
tops variable, minor fold clausures common thruout								228-246	298'-372'	45					
sds appear to overlie chl-cut g ₂ ch as sed. input increases downhole from graphitic sds to polites to politic gubes	400		475°					247-250	372'-392'	81					
			40°					251-255	392'-416'	45					
			460°												
			470°												
			470°												
			40°												
			40°												
			460°												
			460°												

LITHOLOGY, ALTERATION, MISC.	FT.	GRAPHIC LOG	MINERALIZATION	RECOVERY				ANALYTICAL						BOX
				Run	Run length	Core	%	Sample	Interval					
<div>fold closure</div> <div>pass fold closure</div> <div>fold closure - wk ben - carb. mts</div> <div>653' EOH</div>	<div>2</div> <div>400</div> <div>600</div> <div>800</div> <div>1000</div> <div>1200</div> <div>1400</div> <div>1600</div> <div>1800</div> <div>2000</div> <div>2200</div> <div>2400</div> <div>2600</div> <div>2800</div> <div>3000</div> <div>3200</div> <div>3400</div> <div>3600</div> <div>3800</div> <div>4000</div> <div>4200</div> <div>4400</div> <div>4600</div> <div>4800</div> <div>5000</div> <div>5200</div> <div>5400</div> <div>5600</div> <div>5800</div> <div>6000</div> <div>6200</div> <div>6400</div> <div>6600</div> <div>6800</div> <div>7000</div> <div>7200</div> <div>7400</div> <div>7600</div> <div>7800</div> <div>8000</div> <div>8200</div> <div>8400</div> <div>8600</div> <div>8800</div> <div>9000</div> <div>9200</div> <div>9400</div> <div>9600</div> <div>9800</div> <div>10000</div>	<div>250</div> <div>500</div> <div>750</div> <div>1000</div> <div>1250</div> <div>1500</div> <div>1750</div> <div>2000</div> <div>2250</div> <div>2500</div> <div>2750</div> <div>3000</div> <div>3250</div> <div>3500</div> <div>3750</div> <div>4000</div> <div>4250</div> <div>4500</div> <div>4750</div> <div>5000</div> <div>5250</div> <div>5500</div> <div>5750</div> <div>6000</div> <div>6250</div> <div>6500</div> <div>6750</div> <div>7000</div> <div>7250</div> <div>7500</div> <div>7750</div> <div>8000</div> <div>8250</div> <div>8500</div> <div>8750</div> <div>9000</div> <div>9250</div> <div>9500</div> <div>9750</div> <div>10000</div>	<div>250</div> <div>500</div> <div>750</div> <div>1000</div> <div>1250</div> <div>1500</div> <div>1750</div> <div>2000</div> <div>2250</div> <div>2500</div> <div>2750</div> <div>3000</div> <div>3250</div> <div>3500</div> <div>3750</div> <div>4000</div> <div>4250</div> <div>4500</div> <div>4750</div> <div>5000</div> <div>5250</div> <div>5500</div> <div>5750</div> <div>6000</div> <div>6250</div> <div>6500</div> <div>6750</div> <div>7000</div> <div>7250</div> <div>7500</div> <div>7750</div> <div>8000</div> <div>8250</div> <div>8500</div> <div>8750</div> <div>9000</div> <div>9250</div> <div>9500</div> <div>9750</div> <div>10000</div>	<div>250</div> <div>500</div> <div>750</div> <div>1000</div> <div>1250</div> <div>1500</div> <div>1750</div> <div>2000</div> <div>2250</div> <div>2500</div> <div>2750</div> <div>3000</div> <div>3250</div> <div>3500</div> <div>3750</div> <div>4000</div> <div>4250</div> <div>4500</div> <div>4750</div> <div>5000</div> <div>5250</div> <div>5500</div> <div>5750</div> <div>6000</div> <div>6250</div> <div>6500</div> <div>6750</div> <div>7000</div> <div>7250</div> <div>7500</div> <div>7750</div> <div>8000</div> <div>8250</div> <div>8500</div> <div>8750</div> <div>9000</div> <div>9250</div> <div>9500</div> <div>9750</div> <div>10000</div>	<div>250</div> <div>500</div> <div>750</div> <div>1000</div> <div>1250</div> <div>1500</div> <div>1750</div> <div>2000</div> <div>2250</div> <div>2500</div> <div>2750</div> <div>3000</div> <div>3250</div> <div>3500</div> <div>3750</div> <div>4000</div> <div>4250</div> <div>4500</div> <div>4750</div> <div>5000</div> <div>5250</div> <div>5500</div> <div>5750</div> <div>6000</div> <div>6250</div> <div>6500</div> <div>6750</div> <div>7000</div> <div>7250</div> <div>7500</div> <div>7750</div> <div>8000</div> <div>8250</div> <div>8500</div> <div>8750</div> <div>9000</div> <div>9250</div> <div>9500</div> <div>9750</div> <div>10000</div>	<div>250</div> <div>500</div> <div>750</div> <div>1000</div> <div>1250</div> <div>1500</div> <div>1750</div> <div>2000</div> <div>2250</div> <div>2500</div> <div>2750</div> <div>3000</div> <div>3250</div> <div>3500</div> <div>3750</div> <div>4000</div> <div>4250</div> <div>4500</div> <div>4750</div> <div>5000</div> <div>5250</div> <div>5500</div> <div>5750</div> <div>6000</div> <div>6250</div> <div>6500</div> <div>6750</div> <div>7000</div> <div>7250</div> <div>7500</div> <div>7750</div> <div>8000</div> <div>8250</div> <div>8500</div> <div>8750</div> <div>9000</div> <div>9250</div> <div>9500</div> <div>9750</div> <div>10000</div>	<div>250</div> <div>500</div> <div>750</div> <div>1000</div> <div>1250</div> <div>1500</div> <div>1750</div> <div>2000</div> <div>2250</div> <div>2500</div> <div>2750</div> <div>3000</div> <div>3250</div> <div>3500</div> <div>3750</div> <div>4000</div> <div>4250</div> <div>4500</div> <div>4750</div> <div>5000</div> <div>5250</div> <div>5500</div> <div>5750</div> <div>6000</div> <div>6250</div> <div>6500</div> <div>6750</div> <div>7000</div> <div>7250</div> <div>7500</div> <div>7750</div> <div>8000</div> <div>8250</div> <div>8500</div> <div>8750</div> <div>9000</div> <div>9250</div> <div>9500</div> <div>9750</div> <div>10000</div>							



DIAMOND DRILL HOLE LOG

Page 1 of 1

Company Normin Mining Inc.

LEGEND

<input type="checkbox"/>	<input type="checkbox"/>
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SURVEY

Footage	Bearing	Inclination
100'		44°
350'		45°
650'		23°

Property <u>Native Dancer</u>	Hole No. <u>ND-2</u>
Location _____	Bearing at Collar <u>340°</u>
	Inclination at Collar <u>-45°</u>
Coord. - Collar N <u>20+005</u>	
E <u>0+00</u>	Length <u>653</u>
Elev. - Collar _____	Core Size <u>NQ</u>
Date started _____	
Completed _____	Logged by _____

LITHOLOGY, ALTERATION, MISC.

FT.

GRAPHIC LOG

MINERALIZATION

RECOVERY

ANALYTICAL

BOX

Run	Run length	Core	%	Sample	Interval	Au ppb	Ni ppm	Cu ppm	Zn ppm	Pb ppm
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0-29' overburden

29-292 chf, act, bio schist
w/ gr in pods + beds
nearb chf + tv
dissem go + py

mass - little gr

chf - well bed

wh bed - mass little gr, mass
mt. app. - no bio. even. cal

gr bds. ~ 5%

470°

fr - 270° dissem go + py
thrust unit

D014177

10 78 179 40 9

178

45 65 100 33 2

171

10 97 190 49 3

180

5 93 76 38 3

[illegible]

[illegible]

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LITHOLOGY, ALTERATION, MISC.	FT.	GRAPHIC LOG	MINERALIZATION	RECOVERY				ANALYTICAL						BOX	
				Run	Run length	Core	%	Sample	Interval	Au ppm	Ni ppm	Cu ppm	Zn ppm		Pb ppm
v.t.g. pelitic sed's biotitic, chlc = qz in T. beds	260							Do 423		45	61	36	90	6	
								224		5	73	30	90	4	
gZ. beds - metachert? narrowing	270	440'						225		10	70	29	77	4	
vuggy py vein ~ parll to bedding, rectified, coarse grid.	275		py vein					226		415	148	168	75	3	
								228		15	58	45	73	23	
bedded bio + chert, no chl			1" py vein					229		45	75	87	77	7	
Abrupt contact	280	450'						230		45	27	37	55	2	
Qz, py, po, chl, graphite vein. Bull qz w/ sulfs & graphochl part to bedding or folia. Becoming more graphitic downhole.								231		45	36	74	1570	3	
breaks along graphitic fract's.		460' ± 0' day?	5-15% py & po mostly along fractures					232		45	50	102	102	2	
mottled milky qz w/ chl + graph stringers thruout	290							233		45	91	128	80	4	
Graphitic lam. metabeds grading to pelitic metabeds. 1-20% py.	295		7% py					234		5	110	145	1325	3	
			5% py remob along fract.					235		45	84	55	205	4	
Pelitic sed's - back to 270. fine dissem py & po			Tr. dissem - po & py					236		45	77	52	93	8	
Becoming more biotitic downhole.								237		45	78	37	81	3	
local chert intbeds	320	420'						238		45	74	38	81	22	
dissem py & po thruout.															
v.t.g.	325														

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