	Detailed I	Heavy M	ineral	And	alvsi	5	Se	umple N			00050
					<u>, en</u>	E	30		NO.		00050
DIATECH	Our Job No.: 09059 Disc No.: -	,				Ove	erall Samp	e Assessm	nent	Ne	gative
Ph 61 8 9361 2596 Fx 61 8 9470 1504						You	r Project C	ode:		Glyde	Abner Nī
Sample Type (as collected):	: S	tream Sedim	ent					Head	Weight		7.4 kg
Sample Type (as received):	S	tream Sedim	ent					Wet	Weight		kg
Observed Sample Type:	Ţ	BE Concentro	ate								
Diamond Number mm +2.0 +1.	of particles in ea 2 +.8 +.4	ach size fractio +.3 +.25	<u>n</u> +.20	+.10	Total particle	es Descriptio	n of these par	ticles			
Key Minerals Mumber 4 +2.0 +1.2	of particles in ea ? +.8 +.4	<u>ch size fraction</u> +.3 +.2	5 +.20	+.10	Wear	Overall Morph. Grou	Total p particles	No of parti probed	icles PRIORITY on Morph only)	/ based PRIORI ology on morp and Pro	ΓY based bhology be)
Other Minerals % Percent	ntage of particles 2 +.8 +.4	in each size fr +.3 +.25	action +.20	+.10	Wear	Colour	Angularity	Lustre	Transparenc	y Form/Sha	pe
Anatase			Tr		MW						
re Oxide/Hydroxide	100	100	100		MW						
Leucoxene		Tr	Tr		ww						
Rutile			Tr		10/10/						
			II		****						
Tourmaline			Tr		ww						
Zircon			Tr		ww						
TOTAL %	% % 1009	% 100% %	100%	%							
What Has Been Observe	ed?		_						Technie	cian:	LF
Final Conc Weight 0.750000	00 g Size Ra	nge -	0.5+0.2 r	nm				C	Date Obse	rved:	8-Aug-09
Weight Observed 0.750000	00 g						Re	port Print	t ed: 24	4/08/2009 1:	07:23 P <i>M</i>
Magnetic Fractions vs Size Fractions mm +2.0 +1. NotMag	2 +.8 +.4	+.3 +.25 All	+.20 All	+.10	Com this s	ment ab ample:	out				

(The second seco	Detailed Heavy Mineral Analysis	Sample No: ABH00	0051
DIATECH	Our Job No.: 09059 Disc No.: -	Overall Sample Assessment Neg	ative
Ph 61 8 9361 2596 Fx 61 8 9470 1504		Your Project Code: Glyde At	oner NT
Sample Type (as collected)): Stream Sediment	Head Weight 35.	.5 kg
Sample Type (as received):	: Stream Sediment	Wet Weight	kg
Observed Sample Type	: TBE Concentrate		
Diamond <u>Numbe</u> mm +2.0 +	er of particles in each size fraction Total 1.2 +.8 +.4 +.3 +.25 +.20 +.10 particles p	Description of these particles	
Key Minerals Mumber +2.0 +1.	of particles in each size fraction Ovo .2 +.8 +.4 +.3 +.25 +.20 +.10 Wear Mo	erall Total No of particles PRIORITY based PRIORITY orph. Group particles probed on Morphology on morpho only) and Probe	based logy
Ollow Mineral 97 Porco	ntage of particles in each size fraction		

Other Mineral	5 <u>/° r</u> m +2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Anatase					Tr		Tr		MW					
Corundum							Tr		W					
Fe Oxide/Hydroxide				100	100		100		W					
Leucoxene					Tr		Tr		ww					
Rutile							Tr		ww					
Tourmaline					Tr		Tr		ww					
Zircon					Tr		Tr		ww					
TOTAL	%	%	\$ %	100%	% 100%	%	100%	%						

What Has Been Observed?

What Has Been	Observ	ed?							Teo	hnician:	LF
Final Conc Weight	1.730000	00 g	Size Rang	ge	-0	.5+0.2 r	nm		Date C	bserved:	04-Aug-09
Weight Observed	1.730000	0 g							Report Printed:	24/08/2009	1:07:48 PM
Magnetic Fractions	vs Size Fro	action						Comment about	•		
mm ·	+2.0 +1	2 +.8	+.4	+.3	+.25	+.20	+.10				
NotMag			All	All		All		this sample:			

		<u>C</u>	<u>)etai</u>	led H	leav	y Min	era	l An	<u>alysi</u>	<u>s</u>			Sc	Imple	No:			ABHO	00052
		O	ur Job No	o.: 09076							Ove	erall S	ampl	e Assess	ment			Pc	ositive
Ph 61 8 9361 2596		U									You	r Proje	ect C	ode:		_	(Glyde A	Abner NT
Fx 61 8 9470 1504							1												
Sample Type (as	collec	ted):		S	tream S	Sedimer	11 .+							Head	d Wei t Woi	ght abt		35	.66 kg
Observed Sar	nple T	vpe:		3	lieuma	seuimei								***		JIII			ĸġ
Diamond	Nu	mber o	f particl	es in ec	ich size i	fraction	-		Total										
mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	particl	es De	escriptio	on of the	ese par	ticles					
Key Minerals _{mm}	<u>Nun</u> +2.0	nber of +1.2	particle +.8	es in ead +.4	<u>ch size fr</u> +.3	r <u>action</u> +.25	+.20	+.10	Wear	Ove Mor	rall ph. Grou	To up pa	otal articles	No of pa probed	articles	PRIORIT on Morpi only)	Y based hology	PRIORIT on morp and Prot	Y based hology be)
Chromite/Cr-Spinel					4	1			UNK	I	В			4		I	3		Α
									DAF,	blac	:k, smo	th sub	hedra	, friable, ç	granulo	ar fracti	Jre		
Chromite/Cr-Spinel					1				UNK	(2			1		(2		В
									DAF,	smo	oth, fric	able, b	oroken	octahec	Ira				
Other Minerals	<u>% P</u> +2.0	ercento +1.2	nge of p +.8	articles +.4	<u>in each</u> +.3	size frac +.25	: <u>tion</u> +.20	+.10	Wear	Col	lour	Angu	larity	Lustre	Tra	nsparenc	y F	orm/Shap	96
Anatase					Tr		Tr		W										
Fe Oxide/Hydroxide				100	100		100		MW										
Ilmenite				Tr	Tr				MW										
Leucoxene					Tr		Tr		w										
Rutile							Tr		MW										
Sulphides				Tr	Tr				ME								-		
									/*(1										
Tourmaline							Tr		ww										
Zircon							Tr		10/10/										
							Ir		****										
TOTAL	%	%	5 %	100%	% 100%	%	100%	%											
What Has Been	Obs	erve	d?												Т	echni	cian:		JED
Final Conc Weight	5.10	00000	g S	Size Rai	nge	-0.	5+0.2	mm							Date	Obse	erved	2	3-Sep-09
Weight Observed	5.10	000000	g										Re	port Pri	nted:	3	0/09/2	2009 3:0	00:20 PM
Magnetic Fractions	s vs Siz +2.0	e Frac +1.2	tion +.8	+.4	+.3	+.25	+.20	+.10	Com	me	nt ak	oout							
NotMag				All	All		All		this s	am	ple:								

		<u>D</u>	etai	led H	leav	<u>y Mir</u>	nera	l An	<u>alysi</u>	<u>s</u>		Sc	Imple	No:	AB	H000053
SE .		OL	ur Job No	o.: 09076							Ove	rall Sampl	e Assess	ment	1	Veaative
Ph 61 8 9361 2596 Fx 61 8 9470 1504		Dis									Your	Project C	ode:		Gly	de Abner Nī
Sample Type (as c	ollecte	ed):		S	tream S	Sedime	nt			L			Head	d Weight		41.14 kg
Sample Type (as re	eceive	d):		S	tream S	Sedime	nt						We	t Weight		kg
Observed Sam	nple Ty	pe:														
Diamond _{mm}	<u>Num</u> +2.0	ber of +1.2	particle +.8	es in ea +.4	ich size +.3	fraction +.25	+.20	+.10	Total partic	les De	scriptior	n of these par	ticles			
Key Minerals _{mm}	<u>Numt</u> +2.0	<u>oer of</u> +1.2	particle +.8	e <u>s in eac</u> +.4	<u>ch size fi</u> +.3	raction +.25	+.20	+.10	Wear	Over Morp	all h. Grou	Total p particles	No of pa probed	rticles PRIORITY on Morpho only)	based PRI blogy on and	ORITY based morphology I Probe)
Other Minerals	<u>% Per</u> +2.0	<u>centa</u> +1.2	<u>ge of p</u> +.8	articles +.4	in each +.3	<u>size frac</u> +.25	<u>ction</u> +.20	+.10	Wear	Cold	our	Angularity	Lustre	Transparency	- Form	/Shape
Anatase							Tr		MW							
Fe Oxide/Hydroxide				100	100		100		W							
Leucoxene					Tr		Tr		MW							
Rutile							Tr		MW							
Tourmaline							Tr		ww							
Zircon							Tr		MW							
TOTAL	%	%	%	100%	% 100%	%	100%	%								
What Has Been Final Conc Weight	Obse	ervec 4.9	1? g S	ize Raı	nge	-0.	.5+0.2	mm						Technic Date Obse	:ian: rved:	BJG 23-Sep-09
Weight Observed		4.9	g									Re	port Pri	nted: 30	/09/200	9 3:00:46 P <i>M</i>
Magnetic Fractions mm + NotMag	vs Size	+1.2	tion +.8	+.4 All	+.3 All	+.25	+.20 All	+.10	Corr this s	nmei iamp	nt ab ble:	out				

(A)	<u>Detailed Heavy Mineral Analysis</u>	Sample No: ABH000054
DIATECH	Our Job No.: 09085 Disc No.: -	Overall Sample Assessment Negative
Ph 61 8 9361 2596 Fx 61 8 9470 1504		Your Project Code: Abner NT
Sample Type (as collected)	: Stream Sediment	Head Weight 35.72 kg
Sample Type (as received):	Stream Sediment	Wet Weight kg
Observed Sample Type:	DMS Concentrate	
Diamond Number mm +2.0 +1	of particles in each size fraction Total 2 +.8 +.4 +.3 +.25 +.20 +.10 particles D	escription of these particles
Key Minerals <u>Number</u> *2.0 +1.2	of particles in each size fraction Ove 2 +.8 +.4 +.3 +.25 +.20 +.10 Wear Mor	erall Total No of particles PRIORITY based PRIORITY based rph. Group particles probed on Morphology on morphology only) and Probe)

Other Minerals	m +2.0	ercent +1.2	age of p +.8	articles +.4	in each +.3	size fra +.25	<u>ction</u> +.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
Fe Oxide/Hydroxide				100	100		100		MW					
Ilmenite					Tr		Tr		MW					
Leucoxene							Tr		W					
Phosphate					Tr		Tr		ww					
Rutile							Tr		ww					
Tourmaline							Tr		ww					
Zircon					Tr		Tr		W					
TOTAL	%	9	%	100%	% 100%	%	100%	%						

What Has Been Observed?

What Has Been	Observ	ed?							Te	chnician:	BJG
Final Conc Weight	27.2500	00 g	Size Rang	ge	-C).5+0.2 r	mm		Date () bserved:	14-Oct-09
Weight Observed	27.2500	00 g							Report Printed:	16/10/200	9 9:56:30 AN
Magnetic Fractions	s vs Size Fr	action						Comment about			
mm	+2.0 +1	.2 +.8	3 +.4	+.3	+.25	+.20	+.10				
NotMag			All	All		All		this sample:			

		<u>Detc</u>	iled I	Heav	y Miı	nera	l An	alysi	is		Sa	mple N	lo:	ABH000055
DIATECH		Our Job Disc No.:	No.: 09085 -	5						Over	all Sampl	e Assessm	ent	Negative
Ph 61 8 9361 2596 Fx 61 8 9470 1504										Your F	Project Co	ode:		Abner NT
Sample Type (as co	ollectec	l):	S	tream S	Sedime	nt						Head \	Weight	44.42 kg
Sample Type (as re	eceived):	S	tream S	Sedime	nt						Wet V	Weight	kg
Observed Sam	ple Type	e:	DI	vis Con	centra	te								
Diamond _{mm}	Diamond Number of particles in each size fraction Tot mm +2.0 +1.2 +.8 +.4 +.3 +.25 +.20 +.10 par										of these part	icles		
Key Minerals _{mm}	Number of particles in each size fraction 10ta mm +2.0 +1.2 +.8 +.4 +.3 +.25 +.20 +.10 parti Number of particles in each size fraction mm +2.0 +1.2 +.8 +.4 +.3 +.25 +.20 +.10 particles							Overal Morph	ll n. Group	Total particles	No of partic probed	cles PRIORITY on Morpho only)	based PRIORITY based blogy on morphology and Probe)	
Other Minerals	<u>% Perce</u> +2.0 +2	entage of 1.2 +.8	particles +.4	<u>s in each</u> +.3	size fra +.25	<u>ction</u> +.20	+.10	Wear	Colou	ur .	Angularity	Lustre	Transparency	Form/Shape
Anatase				Tr		Tr		W						
Corundum				Tr		Tr		MW						
Fe Oxide/Hydroxide			100	70		30		W						

Leucoxene

Tourmaline

%

%

Rutile

Zircon

TOTAL

What Has Been	Observe	d?							Teo	chnician:	JED
Final Conc Weight	0.05	g	Size Range	•	-0).5+0.2 r	nm		Date C) bserved:	12-Oct-09
Weight Observed	0.05	g							Report Printed:	16/10/2009	9:56:54 AN
Magnetic Fractions	vs Size Frac	tion						Comment about	•		
mm	+2.0 +1.2	+.8	+.4	+.3	+.25	+.20	+.10				
NotMag			All	All		All		this sample:			

%

ww

W

ww

ww

50

Tr

Tr

20

% 100%

Tr

% 100% 100%

30

Tr

Tr

Tr

~																		
			Ī	<u>Deto</u>	iled I	leav	y Mi	nera	l An	alysi	<u>is</u>		Sc	imple l	No:	AF	3H0000 <i>5</i>	56
			C F	Dur Job ! Disc No.:	No.: 09085 -	i					C	Dver	all Sampl	le Assessr	nent		Negativ	ve
Ph 61 8 9361 2596			-	100 1101							Y	our F	Proiect C	ode:			Abner	
Fx 61 8 9470 1504																		
Sample Type (as	s co	ollec	ted):		S	tream S	Sedime	ent						Head	Weight		51.36 kg	3
Sample Type (as	s re	ceiv	ed):		S	tream S	Sedime	ent						Wet	Weight		kç	3
Observed Sc	amp	ole T	ype:		DN	NS Con	centrc	ite										
Diamond "	m	<u>Nui</u> +2.0	<u>mber (</u> +1.2	<u>of parti</u> 2 +.	<u>cles in ec</u> 8 +.4	ach size +.3	fraction +.25	1 +.20	+.10	Total partic	les Descri	ption	of these par	ticles				
Key Minerals _m	m	<u>Num</u> +2.0	<u>1ber o</u> +1.2	<u>f partic</u> +	: <u>les in ea</u> .8 +.4	<u>ch size f</u> +.3	raction +.25	5 +.20	+.10	Wear	Overall Morph. G	Group	Total particles	No of par probed	ticles PRIORITY on Morph only)	based PR ology on an	IORITY based morphology d Probe)	1
Other Minerals	S m	<u>% Pe</u> +2.0	<u>erceni</u> +1.2	age of +.8	particles +.4	in each +.3	<u>size fro</u> +.25	<u>action</u> +.20	+.10	Wear	Colour	,	Angularity	Lustre	Transparency	/ Form	n/Shape	
Anatase			<u> </u>			Tr				W								
Corundum						Tr				MW								
Epidote								Tr		MW								
Fe Oxide/Hydroxide					100	100				MW								
Kyanite						Tr				MW								
Leucoxene						Tr				ww								
Phosphate					Tr	Tr				ww								
Rutile						Tr				w								
Tourmaline					Tr	Tr				ww								
Zircon						Tr				ww								
TOTAL		%	c c	76	% 100%	% 100%	%	0%	%									
What Has Bee	n (Obs	erve	d?											Technic	cian:	J	ED
Final Conc Weigh	ıt		13.4	4 g	Size Ra	nge	-().5+0.2	mm					I	Date Obse	rved:	13-Oct	-09
Weight Observed			13.4	4 g									Re	port Prin	ted: 16	/10/200	9 9:57:18	<i>۹</i> N
Magnetic Fraction	ns v +2	vs Siz	e Fra +1.2	ction 2 +.8	+.4	+.3	+.25	+.20	+.10	Con this	nment (sample	abc a:	out	-				
NotMag						All		All				••						

		<u>[</u>	<u>)etai</u>	led H	leavy	y Mir	nera	l An	<u>alysi</u>	<u>s</u>		Sc	mple	No:	ABHO	00057
		С)ur Job Ni	o.: 09085						C	Dver	all Sampl	le Assessr	ment	Nec	aative
Ph 61 8 9361 2596 Fx 61 8 9470 1504		5								Y	our F	Project C	ode:		Ą	bner NT
Sample Type (as	collec	ted):		St	ream S	edime	nt						Неас	l Weight	44	.52 kg
Sample Type (as	receiv	red):		St	ream S	edime	nt						Wet	Weight		kg
Observed Sar	nple I	ype:		DN	1S Cond	centra	te									
Diamond mm	<u>Nu</u> +2.0	<u>mber c</u> +1.2	of particl +.8	<u>es in ea</u> +.4	<u>ch size f</u> +.3	raction +.25	+.20	+.10	Total partic	les Descri	ption	of these par	ticles			
Key Minerals _{mr}	<u>Nur</u> +2.0	<u>nber of</u> +1.2	particle +.8	es in eac +.4	:h size fro +.3	action +.25	+.20	+.10	Wear	Overall Morph. C	Group	Total particles	No of par probed	ticles PRIORITY on Morph only)	based PRIORITY bology on morph and Prob	Y based hology ve)
Other Minerals	<u>% P</u> +2.0	ercento +1.2	age of p +.8	oarticles +.4	<u>in each</u> +.3	<u>size fra</u> +.25	<u>ction</u> +.20	+.10	Wear	Colour		Angularity	Lustre	Transparenc	y Form/Shap	e
Anatase							Tr		W							
Corundum				Tr	Tr		Tr		MW							
Fe Oxide/Hydroxide				100	75		30		W							
Kyanite					Tr		Tr		w							
Leucoxene				Tr	20		50		ww							
Phosphate				Tr	Tr		Tr		ww							
Rutile					Tr		Tr		W							
Tourmaline					Tr		Tr		ww							
Zircon					5		20		W							
TOTAL	%	%	5 %	100%	6 100%	%	100%	%								
What Has Been Final Conc Weight	Obs	erve 0.15	d? g S	Size Rar	nge	-0	.5+0.21	mm						Technie Date Obse	cian: rved: 1	JED 4-Oct-09
Weight Observed		0.15	g									Ro	port Prin		4/10/2009 9·5	

Report Printed: 16/10/2009 9:57:42 AN

Magnetic Fractions vs Size Fraction +.10 Comment about this sample: mm +2.0 +.20 +1.2 +.8 +.3 +.25 +.4

NotMag All All All

		Γ)etai	led H	leav	v Mir	nera	l An	alvsi	s		Se	mplo	No		۸P		059
		-							<u></u>	-		30		NO.		AD	10000	550
DIATECH		D	isc No.:	-							Ove	rall Samp	le Assess	ment		١	legat	ive
Ph 61 8 9361 2596 Fx 61 8 9470 1504											Your	Project C	ode:				Abn	er NT
Sample Type (as	colled	cted):		S	tream S	iedime	nt						Head	d Weig	ht		44.34	kg
Sample Type (as	receiv	ved):		S	tream S	edime	nt						We	t Weig	ht			kg
Observed Sa	mple	Type:		D٨	AS Con	centrat	te											
Diamond mr	<u>Νι</u> n +2.0	<u>umber c</u> +1.2	o <mark>f particl</mark> +.8	<u>es in ec</u> +.4	<u>ich size f</u> +.3	traction +.25	+.20	+.10	Total partic	les Des	cription	of these pa	rticles					
Key Minerals _{mr}	<u>Nu</u> n +2.0	<u>mber of</u> +1.2	f particle +.8	<u>es in ea</u> +.4	<u>ch size fr</u> +.3	action +.25	+.20	+.10	Wear	Overal Morph	ll . Group	Total particles	No of pa probed	rticles P or or	RIORITY n Morpho nly)	based PRI logy on r and	ORITY bas norpholog Probe)	sed gy
Other Minerals	<u>% </u> n +2.0	Percente +1.2	age of p +.8	articles +.4	<u>in each</u> +.3	size fra +.25	<u>ction</u> +.20	+.10	Wear	Colou	ır	Angularity	Lustre	Trans	sparency	Form/	Shape	
Anatase					Tr		Tr		W									
Barite				Tr	Tr		Tr		w									
Fe Oxide/Hydroxide				100	95		60		MW									
Kyanite					Tr		Tr		w									
Leucoxene				Tr	5		20		ww									
Rutile					Tr		Tr		W									
Tourmaline				Tr	Tr		Tr		W									
Zircon					Tr		20		ww									
TOTAL	%	5 %	%	100%	% 100%	%	100%	%										
What Has Beer	n Ob	serve	d?											Te	chnic	ian:		JED
Final Conc Weight		0.13	g S	Size Rai	nge	-0	.5+0.2	mm						Date	Obser	ved:	14-0	ct-08
Weight Observed		0.13	g									Re	port Pri	nted:	16,	/10/2009	9:58:0	5 AN
Magnetic Fraction	s vs Si +2.0	ze Frac +1.2	ction +.8	+.4	+.3	+.25	+.20	+.10	Com	men	t ab	out						
NotMag				All	All		All		11115 S	amp	ie:							

A		<u>C</u>	<u>)etai</u>	led H	leav	y Miı	nera	l An	<u>alysi</u>	<u>s</u>		S	ample	No:		AB	H000059
(T2)		0	ur Job No	o.: 09094							Ove	rall Same	le Assess	ment		N	leantive
		Di	SC NO.:	-							V		N			••••••••••••••••••••••••••••••••••••••	
Fx 61 8 9470 1504											rour	Project	lode:	A	voner,	Foeiscr	ie, Giyae Ni
Sample Type (as c	collecte	ed):				Anth	nill						Head	d Weigh	t		34.04 kg
Sample Type (as re	eceive	ed):				Anth	hill						We	t Weight	t		kg
Observed Sam	nple Ty	vpe:		I	VI Con	centra	te										
Diamond _{mm}	<u>Num</u> +2.0	<u>nber o</u> +1.2	f particl +.8	<u>es in ea</u> +.4	i <u>ch size f</u> +.3	traction +.25	+.20	+.10	Total partic	les Des	cription	of these pa	rticles				
Key Minerals _{mm}	<u>Num</u> +2.0	<u>ber of</u> +1.2	particle +.8	es in ead +.4	<u>ch size fr</u> +.3	action +.25	+.20	+.10	Wear	Overa Morpl	ill h. Group	Total particles	No of pa probed	rticles PRI on I only	ORITY E Morphol y)	oased PRI ogy on r and	DRITY based torphology Probe)
Other Minerals	<u>% Pe</u> +2.0	rcento +1.2	age of p +.8	articles +.4	<u>in each</u> +.3	<u>size fra</u> +.25	<u>ction</u> +.20	+.10	Wear	Colo	ur	Angularity	Lustre	Transp	arency	Form/	Shape
Almandine					Tr				MW						1	+0.3mm, p	probed
Fe Oxide/Hydroxide				100	100		100		MW								
Leucoxene							Tr		ww								
Rutile							Tr		ww								
Spessartine					Tr				MW						1	+0.3mm	
Zircon							Tr		ww								
TOTAL	%	%	%	100%	% 100%	%	100%	%									
What Has Been	Obse	erve	d?											Ter	hnic	ian:	IF
Final Conc Weight		22.29	g s	ize Rai	nge	-0	.5+0.2	mm						Date O	bser	ved [.]	29-0ct-09
Weight Observed	:	22.29	g									Re	eport Pri	nted:	4/	11/2009	4:09:21 PM
Magnetic Fractions	vs Size	e Frac +1.2	tion +.8	+.4	+.3	+.25	+.20	+.10	Com	mer	nt ab	out			.,	,	
NotMag				All	All		All		this s	amp	ole:						

			Detai	led H	leav	v Mir	nera	l An	alvsi	is		Sc	mnle	No	ΔF	
		_				-				-		50				
DIATECH		D	isc No.:	-							Ove	rall Samp	le Assess	ment		Negative
Ph 61 8 9361 2596											Your	Project C	ode:			Abner NT
Fx 61 8 9470 1504							1									
Sample Type (as a	collec	ted):				Loar	m						Head	d Weight		43.78 kg
Sample Type (as r	eceiv	ed):				Loar	n						We	t Weight		kg
Observed San	nple T	ype:			MI Cor	centra	te									
Diamond mm	<u>Nu</u> +2.0	<u>mber c</u> +1.2	of particl +.8	<u>es in ec</u> +.4	ich size +.3	fraction +.25	+.20	+.10	Total partic	les Des	criptior	n of these par	ticles			
Key Minerals _{mm}	<u>Nun</u> +2.0	<u>nber of</u> +1.2	f particle +.8	es in ead +.4	<u>ch size f</u> +.3	raction +.25	+.20	+.10	Wear	Overa Morph	ll 1. Grouj	Total p particles	No of pa probed	rticles PRIORITY on Morph only)	based PR blogy on and	IORITY based morphology d Probe)
Other Minerals	<u>% P</u> +2.0	ercent +1.2	age of p +.8	articles +.4	<u>in each</u> +.3	n size fra +.25	<u>ction</u> +.20	+.10	Wear	Colo	ur	Angularity	Lustre	Transparency	Form	/Shape
Epidote							Tr		W							
Fe Oxide/Hydroxide				100	100		100		MW							
Leucoxene							Tr		ww							
Rutile							Tr		ww							
Tourmaline							Tr		ww							
Zircon							Tr		ww							
TOTAL	%	%	%	100%	% 100%	%	100%	%								
What Has Been	Obs	erve	d?				5.00							Technic	ian:	LF
Mainte Character	4.29		g	ize Rai	nge	-0	.5+0.2	mm						Date Obse	ved:	30-Oct-09
weight Observed	4.29		g									Re	port Pri	nted: 4	/11/200	9 4:25:07 PM
NotMag	+2.0	+1.2	+.8	+.4 All	+.3 All	+.25	+.20 All	+.10	Corr this s	nmen samp	ıt ab ole:	out				

A		<u>D</u>	<u>)etai</u>	led H	leav	y Miı	nera	l An	<u>alysi</u>	<u>s</u>		So	ample	No:	AI	BH000061
(A)		O	ur Job No	o.: 09099							Ove	rall Samp	le Assessr	ment	Ur	resolved
Ph 61 8 9361 2596			30 140								Your	Project (ode.			Abner NT
Fx 61 8 9470 1504											1001		.000.			
Sample Type (as a	collec	ted):				Loai	m						Head	l Weight		40.22 kg
Sample Type (as r	eceiv	ed):				Loai	m						Wet	Weight		kg
Observed San	nple T	ype:			MI Con	centra	te									
Diamond _{mm}	<u>Nu</u> +2.0	<u>mber o</u> +1.2	f particl +.8	l <u>es in ec</u> +.4	<u>ich size (</u> +.3	traction +.25	+.20	+.10	Total partic	es Desc	riptior	n of these pa	rticles			
Key Minerals _{mm}	<u>Nun</u> +2.0	nber of +1.2	particle +.8	<u>es in ea</u> 3 +.4	<u>ch size fr</u> +.3	action +.25	+.20	+.10	Wear	Overall Morph.	Grou	Total p particles	No of par probed	ticles PRIORIT on Morpl only)	r based PR าology on an	lORITY based morphology d Probe)
Chromite/Cr-Spinel							1		UNK SD, c	B1 Iull blac	:k, we	ell rounded	1 I, granular 1	fracture		В
Other Minerals	<u>% P</u> +2.0	ercento +1.2	nge of p +.8	oarticles +.4	in each +.3	size fra +.25	<u>ction</u> +.20	+.10	Wear	Colou	r	Angularity	Lustre	Transparenc	y Form	n/Shape
Anatase					Tr		Tr		W							
Corundum					Tr				A 4 E						-	
Coloridoni					II				///Г							
Epidote					Tr				MW							
Fe Oxide/Hydroxide				100	100		100		MW							
Leucoxene					Tr		Tr		ww							
Rutile					Tr		Tr		W							
Tourmaline					Tr		Tr		ww							
Zircon					Tr		Tr		w							
TOTAL	%	%	%	100%	% 100%	%	100%	%								
What Has Been	Obs	erve	d?											Techni	cian:	JED
Final Conc Weight		11.64	g S	Size Rai	nge	-0	.5+0.2	mm						Date Obse	erved:	30-Oct-09
Weight Observed		11.64	g									Re	eport Prin	ited:	4/11/200	09 4:25:38 PM
Magnetic Fractions mm NotMag	vs Siz +2.0	e Frac +1.2	tion +.8	+.4 All	+.3 All	+.25	+.20 All	+.10	Com this s	iment ampl	ab e:	out				

	<u>Detailed</u>	Heavy N	<u> Ainera</u>	l Ano	alysis	<u>i</u>	S	ample N	lo:	ABH00006	2
STR.	Our Job No.: 0909	>				0	verall Samp	le Assessm	ient	Negativ	e
Ph 61 8 9361 2596 Fx 61 8 9470 1504	Disc No					Yo	ur Project C	Code:		Abner N	٩T
Sample Type (as collected)	:	Le	oam					Head	Weight	49.82 kg	
Sample Type (as received):		Lo	oam					Wet	Weight	kg	
Observed Sample Type:		MI Concen [®]	trate								
Diamond Number mm +2.0 +1	of particles in ed .2 +.8 +.4	ach size fracti +.3 +.2	<u>ion</u> 25 +.20	+.10	Total particle	s Descript	tion of these pa	rticles			
Key Minerals <u>Number</u> mm +2.0 +1.;	of particles in ea 2 +.8 +.4	<u>ch size fractio</u> +.3 +	<u>on</u> •.25 +.20	+.10	Wear	Overall Morph. Gr	Total oup particles	No of parti probed	cles PRIORITY I on Morpho only)	based PRIORITY based logy on morphology and Probe)	
Other Minerals ^{% Percer}	ntage of particle: 2 +.8 +.4	<u>s in each size</u> +.3 +.	<u>fraction</u> 25 +.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/Shape	
Anatase		Tr	Tr		W						Π
Fe Oxide/Hydroxide	100	90	80		W						
Leucoxene		10	15		ww						
Phosphate		Tr	Tr		ww						
Rutile		Tr	Tr		ww						
Zircon		Tr	5		ww						
TOTAL %	% % 100	% 100%	% 100%	%							
What Has Been Observe	ed?								Technic	ian:	LF
Final Conc Weight 0.5	53 g Size Ro	nge	-0.5+0.2	mm				D	ate Obser	ved: 30-Oct-	09
Weight Observed 0.5	53 g						Re	port Print	ed: 4,	/11/2009 4:26:06 P	М
Magnetic Fractions vs Size Fractions vs +1	action .2 +.8 +.4	+.3 +.2	25 +.20	+.10	Comr	nent a	ıbout				
NotMag	All	All	All		this sc	ample:	:				

20		_			_											
		<u>[</u>	Detai	led I	leav	<u>y Mi</u>	nera	l An	alysi	<u>s</u>		Sc	ample	No:	A	3H000063
DIATECH		C)ur Job Ni isc No.:	o.: 09109 -							Ove	rall Samp	le Assess	ment	I	Negative
Ph 61 8 9361 2596											Your	Project C	ode:			Abner NT
Fx 61 8 9470 1504												-,				
Sample Type (as	collec	ted):				Loa	m						Head	d Weight		45.5 kg
Sample Type (as	receiv	ed):				Loa	m						We	t Weight		kg
Observed Sar	mple T	ype:		I	VI Con	centra	te									
Diamond mm	<u>Nu</u> 1 +2.0	<u>mber c</u> +1.2	of particl +.8	es in ea +.4	ch size +.3	fraction +.25	+.20	+.10	Total partic	les Des	cription	of these par	rticles			
Key Minerals _{mr}	<u>Nur</u> 1 +2.0	<u>nber of</u> +1.2	f particle +.8	es in ead +.4	<u>ch size f</u> +.3	r <u>action</u> +.25	+.20	+.10	Wear	Overal Morph	ll I. Group	Total particles	No of pa probed	rticles PRIORITY on Morph only)	′ based PR ology on an [,]	IORITY based morphology d Probe)
Other Minerals	<u>% P</u> +2.0	ercent +1.2	age of p +.8	articles +.4	in each +.3	<u>size fro</u> +.25	<u>iction</u> +.20	+.10	Wear	Color	ur	Angularity	Lustre	Transparency	v Form	n/Shape
Anatase							Tr		WW			,gu.u,	20000			. enape
Epidote					Tr		Tr		MW							
Fe Oxide/Hydroxide				100	100		100		w							
Leucoxene					Tr		Tr		ww							
Phosphate					Tr				ww							
Rutile							Tr		W							
Tourmaline							Tr		ww							
Zircon					Tr		Tr		ww							
τοται	%	7	5 %	100%	6 100%	~ %	100%	%								
														_		
Final Conc Weight		500001	d:	Size Ray	nae) 5+0 2	mm						Technic Data Ot	cian:	JED
Weight Observed	31 4	500001	9		igo	-0						_			rvea:	3U-NOV-U9
Magnetic Fraction	s vs Siz	ze Frag	stion						_			Re	eport Pri	nted: 10	5/12/200	19 3:25:57 PM
	.0.0								Com	nmen	t ab	out				

mm
+2.0
+1.2
+.8
+.4
+.3
+.25
+.20
+.10

NotMag
All
Al

+.25 +.20 +.10 Comment about All this sample:

		<u>D</u>	<u>)etai</u>	led H	leav	y Mir	neral	An	alysi	<u>s</u>		S	ample N	lo:	Α	BH000064
		Oi Di	ur Job No sc No.:	o.: 09109 -							Over	rall Samp	ole Assessm	nent		Negative
Ph 61 8 9361 2596											Your	Project C	Code:			Abner NT
Fx 61 8 9470 1504		_					1									
Sample Type (as col	llect	ed):				Loar	m						Head	Weight		44.06 kg
Sample Type (as rec	eive	ed):				Loar	m						Wet	Weight		kg
Observed Samp	le Ty	vpe:		1	VI Con	centra	te									
Diamond mm +	<u>Nun</u> 2.0	nber of +1.2	f particle +.8	<u>es in ea</u> +.4	<u>ch size f</u> +.3	raction +.25	+.20	+.10	Total particle	es Desc	cription	of these pa	rticles			
Key Minerals +	<u>Num</u> 2.0	<u>ber of</u> +1.2	particle +.8	e <u>s in eac</u> +.4	<u>ch size fr</u> +.3	action +.25	+.20	+.10	Wear	Overal Morph	ll . Group	Total particles	No of parti s probed	cles PRIOR on Moi only)	ITY based Pf rphology or ar	RIORITY based n morphology nd Probe)
Chromite/Cr-Spinel							1		W black	B1 <, dull ii	rregulo	ar, friable,	1 granular fra	cture	В	С
Other Minerals	<mark>% Pe</mark> ∙2.0	rcento +1.2	age of p +.8	articles +.4	in each +.3	size fra +.25	<u>ction</u> +.20	+.10	Wear	Colou	ır	Angularity	Lustre	Transpare	ncy Forr	n/Shape
Anatase					Tr		Tr		MW							
Barite				Tr	Tr		Tr		w						_	
Corundum							Tr		MW						_	
Fe Oxide/Hydroxide				100	60		70		W							
Leucoxene					40		30		ww							
Phosphate				Tr	Tr		Tr		ww							
Rutile					Tr		Tr		MW							
Zircon					Tr		Tr		ww							
TOTAL	%	%	%	100%	3 100%	%	100%	%								
What Has Been O Final Conc Weight	bse	ervec 0.09	d? g S	ize Rar	nge	-0	.5+0.2 r	nm					C	Tech	nician: served:	JED 30-Nov-09
Weight Observed		0.09	g									R	- Poort Print	ed:	16/12/20	09 3:26:21 PM
Magnetic Fractions vs	s Size	e Frac	tion						Com	mer	t ab	out.			-, _, _0	
NotMag	0	+1.2	+.8	+.4 All	+.3 All	+.25	+.20 All	+.10	this s	amp	le:					

		<u>[</u>	<u>Detail</u>	ed H	leav	y Mir	nera	l An	<u>alysi</u>	is		Sc	Imple	No:	А	BH000065
and the second sec		C	Dur Job No	.: 09109							Over	all Sampl	e Assessi			Negative
DIATECH Ph 61 8 9361 2596		C	Disc No.:	-							Vour		odo:			Abnor NT
Fx 61 8 9470 1504											TOUR	FIOJECI	oue.			Abrier Ni
Sample Type (as	colle	cted):				Loar	n						Head	d Weight		45.36 kg
Sample Type (as	recei	ved):				Loar	n						Wet	t Weight		kg
Observed Sa	mple	Type:			MI Con	centrat	е									
Diamond mn	<u>Ni</u> 1 +2.0	<u>umber (</u> +1.2	of particle +.8	<u>es in ec</u> +.4	<u>ich size f</u> +.3	traction +.25	+.20	+.10	Total partic	les Des	scription	of these par	ticles			
Key Minerals _{mn}	<u>Nu</u> 1 +2.0	mber o +1.2	f particle +.8	<u>s in ea</u> +.4	<u>ch size fr</u> +.3	action +.25	+.20	+.10	Wear	Overa Morp	all h. Group	Total particles	No of par probed	rticles PRIORI on Morr only)	ΓΥ based Pl bhology or ar	RIORITY based n morphology nd Probe)
Other Minerals	<u>% </u> 1 +2.0	Percent +1.2	age of pe +.8	articles +.4	<u>in each</u> +.3	size frac +.25	<u>ction</u> +.20	+.10	Wear	Colo	our	Angularity	Lustre	Transparen	icy For	n/Shape
Anatase				Tr	Tr		Tr		MW							
Corundum					Tr		Tr		MW							
Fe Oxide/Hydroxide				100	100		100		MW							
Kyanite					Tr		Tr		w							
Leucoxene					Tr		Tr		ww							
Phosphate					Tr		Tr		ww							
Rutile					Tr		Tr		W							
Tourmaline					Tr		Tr		ww							
Zircon					Tr		Tr		W							
TOTAL	%	7 7	%	100%	% 100%	%	100%	%								
What Has Been	Ob	serve	d?											Techn	ician:	JED
Final Conc Weight		4.52	g S	ize Rai	nge	-0.	.5+0.2	mm						Date Obs	erved:	01-Dec-09
Weight Observed		4.52	g									Re	port Prir	nted:	16/12/20	09 3:26:45 PM
Magnetic Fraction mm	s vs Si +2.0	ize Fra +1.2	ction +.8	+.4	+.3	+.25	+.20	+.10	Com	nmer	nt abo	out				
NotMag				All	All		All		11115 3	ann	л е .					

			<u>D</u>	etai	led H	leav	y Miı	nera	l An	alysi	<u>s</u>	Sa	imple No	o:	AB	H000066
			Oi Di	ur Job Nc sc No.:	o.: 09126						Over	rall Sampl	e Assessme	ent		Positive
Ph 61 8 9361 2596 Fx 61 8 9470 1504											Your	Project Co	ode:			
Sample Type (a	s c	ollect	ed):		St	ream S	edime	ent					Head W	/eight		44.34 kg
Sample Type (a	s re	eceive	ed):		St	ream S	edime	ent					Wet W	/eight		kg
Observed So	am	ple Ty	/pe:		٨	VI Con	centra	te								
Diamond "	ım	<u>Nur</u> +2.0	<u>nber of</u> +1.2	f particle +.8	<u>es in ea</u> +.4	<u>ch size f</u> +.3	raction +.25	+.20	+.10	Total particle	es Description	of these part	ticles			
Diamond						1				1	colourless, in	regular, res	orbed - see c	attached de	scription	
Key Minerals _n	ım	<u>Num</u> +2.0	1 <u>ber of</u> +1.2	particle +.8	e <u>s in eac</u> +.4	<u>h size fr</u> +.3	action +.25	+.20	+.10	Wear	Overall Morph. Group	Total particles	No of particle probed	es PRIORITY b on Morphol only)	oased PRIC ogy on m and	ORITY based torphology Probe)
Chromite/Cr-Spine	ł					1				UNK	В		1	В		С
										dull b	olack, cokey,	finely pitte	d, granular c	and weather	red	
Other Mineral	S Im	<u>% Pe</u> +2.0	ercento +1.2	ige of p +.8	articles +.4	in each +.3	size fra +.25	<u>ction</u> +.20	+.10	Wear	Colour	Angularity	Lustre	Transparency	Form/S	Shape
Anatase					Tr	Tr		Tr		MW						
Corundum						Tr		Tr		MW						
Epidote						Tr		Tr		MW						
Fe Oxide/Hydroxide					100	100		100		MW						
Haematite						Tr		Tr		MW						
Kyanite					Tr	Tr		Tr		MW						
Leucoxene					Tr	Tr		Tr		W						
Phosphate					Tr	Tr		Tr		ww						
Rutile					Tr	Tr		Tr		MW						
Tourmaline						Tr		Tr		ww						
Zircon					Tr	Tr		Tr		W						
TOTAL		%	%	%	100%	3 100%	%	100%	%							
What Has Bee Final Conc Weigh Weight Observed Magnetic Fractio	n ht h	Obse 10.2 10.2 vs Siz	ervec 90000 90000 e Frac	d? g S g tion	ize Rar	nge	-0	0.5+0.2	mm	Com	ment ch	Re	Dc port Printe	Technici ate Observ ed: 15/	ian: ved: '01/2010	JED 11-Jan-10 3:56:16 PM
mm NotMag	+	·2.0	+1.2	+.8	+.4 All	+.3 All	+.25	+.20 All	+.10	this s	ample:	001				

(Ta)		<u>[</u>	<u>)etai</u>	led H	leav	y Mi	nera	l An	alysi	<u>s</u>		Sc	ample N	lo:	ABH000067
		C D	ur Job No isc No.:	o.: 10053							Ove	erall Samp	le Assessm	ent	Unresolved
Ph 61 8 9361 2596 Fx 61 8 9470 1504		_									Your	Project C	ode:		Abner Range NT
Sample Type (as a	collec	ted):		St	tream S	Sedime	ent						Head	Weight	90.46 kg
Sample Type (as r	eceiv	ed):		St	tream S	Sedime	ent						Wet	Weight	kg
Observed San	nple I	ype:													
Diamond mm	<u>Nui</u> +2.0	<u>mber o</u> +1.2	of particl +.8	<u>es in ea</u> +.4	<u>ch size (</u> +.3	fraction +.25	+.20	+.10	Total partic	es De	scriptio	n of these par	rticles		
Key Minerals		<u>Num</u>	ber of p	articles	in each	size fra	<u>ction</u>		Assess	ment	Wear	Total	No of partie	cles	
mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10				particles	probed		
Chromite/Cr-Spinel							1		I	3	UNK		1		
Other Minerals	<u>% Po</u> +2.0	ercento +1.2	age of p +.8	articles +.4	<u>in each</u> +.3	size fra +.25	<u>ction</u> +.20	+.10	Wear	Cold	our	Angularity	Lustre	Transparency	Form/Shape
Anatase					Tr		Tr		LA						
Corundum					Tr		Tr		HA						
Fe Oxide/Hydroxide				95	70		70								
Leucoxene				Tr	20		20		HA						
Phosphate				Tr	Tr		Tr		HA						
Rutile							Tr		HA						
Spessartine							Tr		MA						1 grain, see probe data
Staurolite					Tr		Tr		HA						
Tourmaline				5	10		10		HA						
Zircon					Tr		Tr		HA						
TOTAL	%	%	5 %	100%	3 100%	%	100%	%							
What Has Been Final Conc Weight	Obs 0.76	erve	d? g [S	Size Rar	nge	-C).5+0.2	mm					D	Technic ate Obse	:ian: LF rved: 17-Jun-10
Weight Observed Magnetic Fractions mm	0.76 vs Siz +2.0	00000 e Frac +1.2	g tion +.8	+.4	+.3	+.25	+.20	+.10	Com	mei	nt ab	Re out	port Print	ed: 2/	07/2010 12:10:33 PM
NotMag				All	All		All		11115 5	um	JIE:				

		<u>D</u>	etai	led H	leav	y Mi	nera	l An	alys	<u>is</u>		Se	ample I	No:	ABH000068
DIATECH		Ou Dis	ur Job N c No.:	o.: 10053							Ove	erall Samp	le Assessn	nent	Negative
Ph 61 8 9361 2596 Fx 61 8 9470 1504											You	r Project C	Code:		Abner Range NT
Sample Type (as	collec	cted):		St	ream S	Sedime	ent						Head	Weight	63.8 kg
Sample Type (as	receiv	ved):		St	ream S	Sedime	ent						Wet	Weight	kg
Observed Sc	mple ⁻	Туре:													
Diamond "	<u>Nu</u> m +2.0	umber of +1.2	partic +.8	l <u>es in ea</u> +.4	ch size i +.3	fraction +.25	+.20	+.10	Total parti	cles De	scriptio	n of these pa	rticles		
Key Minerals	^m +2.0	<u>Numb</u> +1.2	oer of p +.8	oarticles +.4	<u>in each</u> +.3	size fra +.25	<u>ction</u> +.20	+.10	Asses	sment	Wear	Total particles	No of part probed	icles	
Other Minerals	5 <u>% F</u> m +2.0	Percenta +1.2	<u>ge of p</u> +.8	oarticles +.4	<u>in each</u> +.3	size fro +.25	<u>iction</u> +.20	+.10	Wear	Col	our	Angularity	Lustre	Transparency	/ Form/Shape
Anatase					Tr		Tr		МА						
Corundum				Tr	Tr		Tr		MA						
Epidote							Tr		МА						
Fe Oxide/Hydroxide				100	67		60								
Leucoxene				Tr	15		10		HA						
Phosphate					Tr		Tr		HA						
Rutile					Tr		Tr		HA						
Tourmaline				Tr	15		20		HA						
Zircon					3		10		HA						
TOTAL	%	5 %	%	100%	3 100%	%	100%	%							
What Has Been Final Conc Weigh Weight Observed	n Obs † 0.98	served 800000 800000	1? g (\$	Size Rar	nge	-().5+0.2	mm				Pe	[Technic Date Obse	cian: JED rved: 18-Jun-10 rows/2010 12:10:58 RM
Magnetic Fraction	ns vs Si	ze Fraci	tion						Cor	nme	nt ak	NOU†		ieu. 2/	0772010 12.10.30 FM
mm NotMag	+2.0	+1.2	+.8	+.4 All	+.3 All	+.25	+.20 All	+.10	this	sam	ple:				

		<u>[</u>	<u>)etai</u>	led F	leav	y Mine	era	l An	alysi	<u>s</u>			Sam	ple l	No:		AE	3H000)069
DIATECH		O D	ur Job N isc No.:	o.: 10053 -							Ov	erall San	nple A	Assessr	nent			Vega	ıtive
Ph 61 8 9361 2596											You	r Project	t Cod	e:	_		Abr	ier Ran	ige NT
Fx 61 8 9470 1504		tod).			roam	Codimont								Hoad	Waiak	\+		75 /	1 ka
Sample Type (as	receiv	ed).		St	ream S	Sediment								Wet	Weigr	11 ht		75.4	ka
Observed Sar	mple T	ype:																	
Diamond	<u>Nu</u> 1 +2.0	<u>mber o</u> +1.2	f partic +.8	l <u>es in ea</u> +.4	<u>ch size (</u> +.3	fraction +.25 +	.20	+.10	Total partic	les De	scriptio	on of these	particle	s					
Key Minerals	¹ +2.0	<u>Num</u> +1.2	ber of p +.8	oarticles +.4	<u>in each</u> +.3	size fracti +.25 +	<u>on</u> .20	+.10	Assess	ment	Wear	Total particles	N s p	o of part robed	licles				
Other Minerals	<u>% P</u>	ercento +1.2	age of p +.8	oarticles +.4	<u>in each</u> +.3	<u>i size fracti</u> +.25	<u>ion</u> +.20	+.10	Wear	Col	our	Angulari	ty Lu	Istre	Trans	parency	Form	/Shape	
Anatase					Tr		Tr		MA										
Corundum					Tr		Tr		MA										
Fe Oxide/Hydroxide				100	100		100												
Leucoxene				Tr	Tr		Tr		HA										
Phosphate				Tr	Tr		Tr		HA										
Rutile							Tr		HA										
Tourmaline				Tr	Tr		Tr		HA										
Zircon				Tr	Tr		Tr		HA										
TOTAL	%	%	5 %	100%	3 100%	% 1	00%	%											
What Has Been	Obs	erve	d?												Te	chnic	ian:		JED
Final Conc Weight	24.1	10000	g S	Size Rar	nge	-0.5	+0.2	mm						I	Date (Obser	ved:	18	Jun-10
Weight Observed Magnetic Fraction	24.1 s vs Siz	10000 e Frac	g tion						Com	me	nt ak	out	Repo	rt Prin	ted:	2/0	07/2010	12:11:	23 P <i>M</i>
mm NotMag	+2.0	+1.2	+.8	+.4 All	+.3 All	+.25	+.20 All	+.10	this s	am	ple:	5001							

		<u>[</u>	<u>)etai</u>	led H	leav	<u>y Mi</u>	nera	l An	<u>alysi</u>	<u>s</u>		Sc	ample I	No:	ABH000070
SAD		С	our Job No	o.: 10058							Ove	erall Samp	le Assessn	nent	Negative
Ph 61 8 9361 2596 Fx 61 8 9470 1504		D	130 110								You	r Project C	ode:	Ab	ner and Foelsche NT
Sample Type (as a	collec	ted):				Loa	m						Head	Weight	69.12 kg
Sample Type (as r	eceiv	ed):				Loa	m						Wet	Weight	kg
Observed San	nple T	ype:		1	VI Con	centra	te								
Diamond mm	<u>Nu</u> +2.0	<u>mber c</u> +1.2	of particl +.8	<u>es in ea</u> +.4	<u>ch size</u> +.3	fraction +.25	+.20	+.10	Total partic	les Des	scriptic	on of these pa	rticles		
Key Minerals		Num	her of n	articles	in each	size fra	ction		Assess	ment \	Near	Total	No of part	icles	
mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10				particles	probed		
Other Minerals	<u>% P</u>	ercente	age of p	articles	in each	n size fra	iction	+ 10	Weer	Colo		Angularity	Luctro	Trononorono	Earm/Shane
Almandine	+2.0	+1.2	т.о	+.4	+.3 Tr	т.25	+.20 Tr	+.10	MA	000		Angularity	Lustre	Transparency	Form/Shape
Anatase					Tr		Tr		MA						
Barite				5	15		Tr		HA						
Corundum					Tr		Tr		LA						
Epidote					Tr				MA						
Fe Oxide/Hydroxide				95	55		60		MA						
Haematite					Tr		Tr		İ						
Ilmenite							Tr		MA						
Leucoxene				Tr	30		40		HA						
Phosphate					Tr		Tr		HA						
Rutile					Tr		Tr		MA						
Tourmaline					Tr		Tr		HA						
Zircon				Tr	Tr		Tr		MA						
TOTAL	%	%	5 %	100%	3 100%	%	100%	%							

(B)	<u>0</u>)etc	ailed H	eav	y Mir	neral	An	<u>alysis</u>		Sample	e No:	Α	вноооо70
DIATECH	O Di	ur Job sc No	No.: 10058 .: -						Overall Sc	ample Asse	ssment		Negative
Ph 61 8 9361 2596 Fx 61 8 9470 1504									Your Proje	ct Code:		Abner and	d Foelsche NT
What Has Been	Observe	d?									Te	echnician:	JED
Final Conc Weight	1.08	g	Size Rang	ge	-0	.5+0.2 r	nm				Date	Observed:	05-Jul-10
Weight Observed	1.08	g								Report P	rinted:	8/07/2010	0 11:43:33 AN
Magnetic Fractions mm NotMag	vs Size Frac +2.0 +1.2	tion: +.8	+.4 All	+.3 All	+.25	+.20 All	+.10	Comme this sam	ent about iple:	-			

			<u>D</u>	<u>etail</u>	ed H	leav	y Mir	nera	l An	alys	<u>is</u>		S	ample N	lo:	ABHO	0072
			O Di	ur Job No sc No.:	.: 10066							Ove	rall Samp	le Assessm	nent	Neg	ative
Ph 61 8 9361 2596 Fx 61 8 9470 1504												Your	Project C	Code:		Abner Ro	inge NT
Sample Type (as	coll	ecte	ed):		St	tream S	edime	nt						Head	Weight	73.	42 kg
Sample Type (as	rece	eive	ed):		St	tream S	edime	nt						Wet	Weight		kg
Observed Sa	mple	e Ty	pe:		١	VI Con	centra	te									
Diamond	n +2	<u>Num</u> 2.0	<u>nber o</u> +1.2	f particle +.8	es in ea +.4	<u>ch size (</u> +.3	traction +.25	+.20	+.10	Total partic	cles Des	scriptior	n of these pa	rticles			
Key Minerals	n +2	2.0	<u>Numl</u> +1.2	ber of po +.8	articles +.4	<u>in each</u> +.3	size frae +.25	<u>ction</u> +.20	+.10	Asses	sment \	Wear	Total particles	No of parti probed	cles		
Chromite/Cr-Spinel						1					с	UNK		1			
Other Minerals	<u> </u>	<u>% Pe</u>	rcento +1.2	ige of po +.8	articles +.4	in each +.3	size fra +.25	<u>ction</u> +.20	+.10	Wear	Cold	our	Angularity	Lustre	Transparency	Form/Shape	
Anatase		_			Tr	Tr		Tr		MA							
Corundum						Tr		Tr		MA							
Epidote					Tr	Tr		5		MA							
Fe Oxide/Hydroxide					100	95		65		HA							
Haematite					Tr	Tr		Tr		MA							
Ilmenite						Tr		Tr		MA							
Leucoxene					Tr	5		20		HA							
Phosphate						Tr		Tr		HA							
Rutile					Tr	Tr		Tr		MA							
Tourmaline						Tr		Tr		HA							
Zircon					Tr	Tr		10		HA							
TOTAL		%	%	%	100%	3 100%	%	100%	%								
What Has Beer Final Conc Weight Weight Observed	n Ol	bse	1.51	g S g	ize Rar	nge	-0	.5+0.2	mm				Re	C Poort Print	Technic Date Obse	:ian: r ved: 24	JED -Aug-10 6:21 PM
Magnetic Fraction mm NM	s vs +2.0	Size	e Frac +1.2	+.8	+.4 All	+.3 All	+.25	+.20 All	+.10	Con this	nmer samp	nt ab ble:	out			, , 2010 0.01	

		<u>D</u>	<u>etail</u>	ed H	leav	y Min	<u>era</u>	<u>l An</u>	alysi	<u>s</u>			Sai	mple	No:		A	вноос	073
DIATECH		OI Di:	ur Job No sc No.:	.: 10066 -							Ove	erall Sa	Imple	Asses	sment			Nega	tive
Ph 61 8 9361 2596											You	r Projec	ct Co	de:			Abr	ner Ran	ge NT
Fx 61 8 9470 1504		40 -		C1		C	1									e de d		07.00	. Luci
Sample Type (as	collec			51	ream :	Sedimen	1							Hea	id Wei at Wai	ght		37.88	kg ka
Observed Sa	imple T	vpe:		51	MI Con	centrate	, ,							**(gin			×у
Diamond	<u>Nu</u> m +2.0	mber of +1.2	f particle +.8	es in ea +.4	ch size +.3	fraction +.25	+.20	+.10	Total particl	es De	escriptio	n of thes	e parti	cles					
Key Minerals	^m +2.0	<u>Numl</u> +1.2	per of po +.8	articles +.4	<u>in each</u> +.3	n size fract +.25 +	t <u>ion</u> ⊦.20	+.10	Assess	ment	Wear	Total particl	les	No of p probed	articles				
Other Minerals	<u>% Po</u> m +2.0	ercento +1.2	i <u>ge of po</u> +.8	articles +.4	<u>in each</u> +.3	n size fract +.25	<u>tion</u> +.20	+.10	Wear	Co	lour	Angula	rity	Lustre	Tra	nsparenc	y Forn	n/Shape	
Anatase							Tr		HA										
Fe Oxide/Hydroxide				100	100		100		HA										
Haematite					Tr				HA										
Kyanite							Tr		MA										
Leucoxene				Tr	Tr		Tr		HA										
Muscovite					Tr		Tr												
Phosphate							Tr		HA										
Rutile					Tr		Tr		HA										
Tourmaline					Tr		Tr		HA										
Zircon					Tr		Tr		HA										
TOTAL	%	%	%	100%	3 100%	5 % 1	00%	%											
What Has Beer	n Obs	erved	1?												T	echni	cian:		JED
Final Conc Weigh	t 38.9	200001	g Si	ze Rar	nge	-0.5	5+0.2	mm							Date	e Obse	rved:	20-A	ug-10
Magnetic Fraction	38.9 Is vs Siz	200001	g tion						_			_	Rep	ort Pr	inted:	3	3/09/201	0 3:36:	48 PM
mm NotMaa	+2.0	+1.2	+.8	+.4 All	+.3 All	+.25	+.20	+.10	Com this s	me am	nt at ple:	out							
	. 1		I			I			1										

		<u>[</u>	<u>)etai</u>	iled H	leav	<u>y Mir</u>	nera	l An	alysi	<u>is</u>		S	ample N	10:	AB	H000074
		0	ur Job No	o.: 10066 -							Ove	erall Samp	ole Assessm	nent	1	Vegative
Ph 61 8 9361 2596											Your	· Proiect (Code:		Abn	er Ranae NT
Fx 61 8 9470 1504							1							_		
Sample Type (as	collec	ted):		St	ream S	Sedime	nt						Head	Weight		36.52 kg
Sample Type (as	receiv	ed):	<u> </u>	St	ream S	Sedime	nt						Wet	Weight		kg
Observed Sa	imple T	ype:		٨	VI Con	centrat	e									
Diamond	<u>Nu</u> m +2.0	<u>mber o</u> +1.2	<u>f particl</u> +.8	les in ea +.4	<u>ch size</u> +.3	fraction +.25	+.20	+.10	Total partic	les De	scriptio	n of these pa	articles			
Key Minerals	^m +2.0	<u>Num</u> +1.2	ber of p +.8	oarticles +.4	<u>in each</u> +.3	size frac +.25	<u>ction</u> +.20	+.10	Asses	sment	Wear	Total particles	No of parti probed	cles		
Other Minerals	; <u>% P</u> ∉ m +2.0	ercento +1.2	age of p +.8	oarticles +.4	<u>in each</u> +.3	size frac +.25	<u>ction</u> +.20	+.10	Wear	Cole	our	Angularity	Lustre	Transparenc	y Form	/Shape
Anatase					Tr		5		HA							
Barite				Tr	Tr		Tr		HA							
Corundum							Tr		MA							
Fe Oxide/Hydroxide				100	50		30		HA							
llmenite					Tr		Tr		HA							
Leucoxene				Tr	50		60		HA							
Phosphate				Tr	Tr		Tr		HA							
Rutile					Tr		Tr		HA							
Zircon					Tr		5		HA							
TOTAL	%	%	\$ %	100%	3 100%	%	100%	%								
What Has Beer Final Conc Weich			d?	Size Par		_0	5+0.2	mm					_	Techni	cian:	BJG
Weight Observed	0.10	300000	9 3		ige	-0.	.5+0.2					-	D • • • • • •	oate Obse	erved:	24-Aug-10
Magnetic Fraction	is vs Siz	2e Frac	tion	+ 4	+ 3	+ 25	+ 20	+ 10	Con	nme	nt ab	R	eport Print	ed: 8	5/09/201	u 3:37:15 PM
NotMag	. 2.0			All	All		All	~.10	this :	samı	ole:					

		<u>[</u>	Detai	iled H	leav	y Miı	nera	l An	alysi	<u>s</u>		Sc	ample N	lo:	ABH	1000075
		C)ur Job N isc No :	o.: 10066							Ove	erall Samp	le Assessm	nent	Unre	esolved
Ph 61 8 9361 2596 Fx 61 8 9470 1504											Your	Project C	Code:		Abne	r Range N
Sample Type (as a	collec	ted):		St	tream S	Sedime	ent						Head	Weight		30.62 kg
Sample Type (as r	eceiv	ed):		St	tream S	Sedime	ent						Wet	Weight		kg
Observed San	nple T	ype:		١	VI Con	centra	te									
Diamond mm	<u>Nu</u> +2.0	<u>mber c</u> +1.2	of partic +.8	l <u>es in ea</u> +.4	ch size f +.3	fraction +.25	+.20	+.10	Total particl	es Des	criptior	n of these pa	rticles			
Key Minerals		Num	ber of r	articles	in each	size fra	ction		Assess	ment V	Vear	Total	No of parti	cles		
mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10				particles	probed			
Chromite/Cr-Spinel							1		B	\$	HA		1			
Other Minerals	<u>% P</u> +2.0	ercente +1.2	age of p +.8	oarticles +.4	in each +.3	size fra +.25	ction +.20	+.10	Wear	Colo	ur	Angularity	Lustre	Transparency	/ Form/S	hape
Anatase					Tr		Tr		MA							
Barite				Tr	Tr		Tr		НА							
Corundum					Tr		Tr		HA							
Fe Oxide/Hydroxide				100	30		30		HA							
Ilmenite							Tr		HA							
Leucoxene				Tr	70		70		HA							
Phosphate					Tr		Tr		HA							
Rutile					Tr		Tr		HA							
Tourmaline					Tr		Tr		HA							
Zircon					Tr		Tr		HA							
TOTAL	%	%	%	100%	6 100%	%	100%	%	i i							
What Has Been Final Conc Weight	Obs	erve 0.1	d?	Size Rar	nge	-0).5+0.2	mm					C	Technic Date Obse	:ian: rved:	JED 24-Aug-1
Magnetic Fractions mm NotMag	vs Siz +2.0	0.1 ce Frac +1.2	g ction +.8	+.4 All	+.3 All	+.25	+.20 All	+.10	Com this s	men amp	it ab de:	Re	port Print	red: 8	/09/2010	3:37:41 P№

	<u> </u>	Detai	led H	leavy	<u>y Minera</u>	l An	alysi	<u>s</u>		S	ample	No:	AE	3H000076
	C T	Dur Job No	o.: 10066						Ove	erall Samp	ole Assess	ment		Negative
Ph 61 8 9361 2596		5150 110							You	· Project (Code:		Abr	ner Range NT
Fx 61 8 9470 1504										-]				
Sample Type (as co	ollected):		St	tream Se	ediment						Head	d Weight		36.88 kg
Sample Type (as red	ceived):		St	tream Se	ediment						We	t Weight		kg
Observed Samp	ole Type:		1	VI Conc	centrate									
Diamond mm	<u>Number</u> +2.0 +1.2	of particl 2 +.8	<u>es in ea</u> +.4	i <u>ch size fr</u> +.3	r <u>action</u> +.25 +.20	+.10	Total partic	les De	escriptio	n of these pa	articles			
Key Minerals	<u>Nun</u> +2.0 +1.2	nber of p ! +.8	articles +.4	<u>in each :</u> +.3	size fraction +.25 +.20	+.10	Assess	ment	Wear	Total particles	No of pa probed	rticles		
Other Minerals	<u>% Percent</u> +2.0 +1.2	tage of p +.8	articles +.4	in each +.3	<u>size fraction</u> +.25 +.20	+.10	Wear	Col	our	Angularity	Lustre	Transparen	cy Form	n/Shape
Anatase				Tr	Tr		MA							
Corundum					Tr		MA							
Fe Oxide/Hydroxide			100	70	80		HA							
Ilmenite					Tr		HA							
Leucoxene			Tr	30	15		HA							
Phosphate				Tr	Tr		HA							
Rutile				Tr	Tr		HA							
Zircon				Tr	5		HA							
TOTAL	%	% %	100%	% 100%	% 100%	%	i							
What Has Been C	Observe	d?										Techn	ician:	JED
Final Conc Weight	0.13	3 g 5	Size Rar	nge	-0.5+0.2	mm						Date Obs	erved:	24-Aug-10
Weight Observed Magnetic Fractions v	0.13 rs Size Fra	3 g ction					Com	me	nt ab	R	eport Pri	nted:	8/09/201	0 3:38:06 PM
NotMag	2.0 +1.2	2 +.8	+.4 All	+.3 All	+.25 +.20	+.10	this s	am	ple:					

			<u>[</u>	<u>)eta</u>	iled H	leav	<u>y Mi</u>	nera	l An	alysi	<u>s</u>		S	ample I	No:	ABH000077
DIATECH			C D	our Job N isc No.:	o.: 10066 -							Ove	erall Samp	ole Assessn	nent	Unresolved
Ph 61 8 9361 2596												Your	Project C	Code:		Abner Range N
Fx 61 8 9470 1504																10.44
Sample Type (as			fed):		51	tream S	sedime	ent						Head	Weight	40.66 kg
Observed So	ine im	nle Tu	vne.		51		centra	te						Wei	weigin	ĸġ
Diamond		Nur	mber o	of partic	cles in ea	ch size	fraction			Total						
m	m	+2.0	+1.2	+.8	3 +.4	+.3	+.25	+.20	+.10	partic	les De	escription	n of these pa	irticles		
Key Minerals	m	+2.0	<u>Num</u> +1.2	<u>ber of</u> +.8	particles +.4	<u>in each</u> +.3	size fra +.25	<u>ction</u> +.20	+.10	Assess	ment	Wear	Total particles	No of part probed	icles	
Chromite/Cr-Spinel								1	1		В	HA		1		
Other Minerals		% Pe	ercente	age of	particles	in each	size fro	iction								
	m	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Col	lour	Angularity	Lustre	Transparency	Form/Shape
Anatase						Tr		Tr		HA						
Barite					Tr	Tr		Tr		HA						
Corundum								Tr		MA						
Fe Oxide/Hydroxide					100	30		40		HA						
llmenite						Tr		Tr		HA						
Leucoxene					Tr	70		50		HA						
Phosphate					Tr	Tr		Tr		HA						
Rutile						Tr		Tr		HA						
Zircon								10		HA						
TOTAL		%	%	5 9	% 100%	3 100%	%	100%	%							
What Has Beer	n (Obs	erve	d?						-					Technic	: ian: BJG
Final Conc Weigh	t	0.12	00000	g	Size Rar	nge	-0).5+0.2	mm					ſ	Date Obsei	rved: 24-Aug-10
Weight Observed		0.12	00000	g									Re	eport Prin	ted: 8	/09/2010 3:38:31 PM
Magnetic Fraction mm NotMag	י צו +	vs Siz 2.0	e Frac +1.2	tion +.8	+.4 All	+.3 All	+.25	+.20 All	+.10	Corr this s	nme am	nt ab ple:	out			

	<u>[</u>	Detai	led H	leavy	<u>y Minera</u>	<u>ıl An</u>	alysis	<u>s</u>		5	Sample	No:		AB	H000078
	C)ur Job Ni	o.: 10066						Ove	rall Sam	ple Asses	sment		N	egative
Ph 61 8 9361 2596	5								Your	Project	Code:			Abne	er Range NT
Fx 61 8 9470 1504		_													
Sample Type (as colle	ected):		S	tream S	ediment						Hea	d Weigł	nt		34.14 kg
Sample Type (as rece	eived):		S	tream S	ediment						We	et Weigh	ht		kg
Observed Sample	e Type:		I	MI Cond	centrate										
Diamond Imm +2	Number c .0 +1.2	of particl +.8	<u>es in ea</u> +.4	i <u>ch size fi</u> +.3	r <u>action</u> +.25 +.20	+.10	Total particle	es De	scriptior	n of these p	oarticles				
Key Minerals	<u>Num</u> .0 +1.2	ber of p +.8	articles +.4	<u>in each</u> +.3	size fraction +.25 +.20	+.10	Assessn	nent	Wear	Total particles	No of pa probed	articles			
Other Minerals $\frac{\pi}{2}$	<u>% Percente</u> .0 +1.2	age of p +.8	oarticles +.4	<u>in each</u> +.3	size fraction +.25 +.20	+.10	Wear	Col	our	Angularity	y Lustre	Trans	parency	Form/S	Shape
Anatase				Tr	Tr		HA								
Fe Oxide/Hydroxide			100	70	70		HA								
llmenite					Tr		HA								
Leucoxene			Tr	30	30		HA								
Phosphate				Tr	Tr		HA								
Rutile					Tr		НА								
Tourmaline				Tr	Tr		HA								
Zircon				Tr	Tr		HA								
TOTAL	% %	% %	100%	% 100%	% 100%	%	İ								
What Has Been Ol	oserve	d?										Te	chnici	an:	JED
Final Conc Weight	0.12	g S	Size Rai	nge	-0.5+0.2	mm						Date (Observ	ved:	24-Aug-10
Weight Observed	0.12	g								R	eport Pri	inted:	8/	09/2010	3:38:57 PM
Magnetic Fractions vs mm +2.0	Size Frac +1.2	ction +.8	+.4	+.3	+.25 +.20	+.10	Com	me	nt ab	out					
NotMag			All	All	All		this so	am	ple:						

ð			<u>I</u>	Detai	iled H	leav	y Mi	<u>nera</u>	l An	<u>alysi</u>	<u>s</u>		S	ample I	No:	ABH	000079
	-		C)ur Job N)isc No.:	o.: 10066 -							Ove	erall Samp	ole Assessn	nent	Ne	gative
Ph 61 8 9361 2596 Fx 61 8 9470 1504	5											You	r Project C	Code:		Abner	Range NT
Sample Type	(as c	collec	ted):		S	tream :	Sedime	ent						Head	Weight		29.7 kg
Sample Type	(as r	eceiv	ed):		S	tream S	Sedime	ent						Wet	Weight		kg
Observed	l San	nple T	ype:		I	MI Con	centro	ate									
Diamond	mm	<u>Nu</u> +2.0	<u>mber o</u> +1.2	of partic +.8	les in ea +.4	i <u>ch size</u> +.3	fractior +.25	<u>1</u> +.20	+.10	Total particl	es Des	scriptic	on of these pa	rticles			
Kov Minoral	c .		Num	her of a		in each	aira fua	K		Assess	ment	Wear	Total	No of part	icles		
Key Millera	mm	+2.0	+1.2	+.8	+.4	+.3	+.25	+.20	+.10				particles	probed			
Other Miner	als	<u>% P</u> +2.0	ercent +1.2	age of I +.8	oarticles +.4	in eact +.3	n size fro +.25	<u>action</u> +.20	+.10	Wear	Cold	our	Angularity	Lustre	Transparency	Form/Sh	ape
Anatase	Τ					Tr		Tr		НА							
Barite	Ť					Tr				HA							
Corundum	Ť							Tr		MA							
Fe Oxide/Hydroxide	Ť				100	60		50		HA							
Leucoxene	Ť				Tr	40		50		HA							
Phosphate	Ť					Tr		Tr		HA							
Rutile	Ť				Tr	Tr		Tr		HA							
Staurolite	Ť					Tr		Tr		MA							
Tourmaline	Ť					Tr		Tr		HA							
Zircon	Ť					Tr		Tr		HA							
TOTAL	Ċ.	%	9	7 7	100%	% 100%	\$ %	100%	%	i							
What Has Be	en	Obs	erve	d?											Technic	ian:	BJG
Final Conc We	ight		0.06	g	Size Raı	nge	-(0.5+0.2	mm					[Date Obser	ved:	24-Aug-10
Weight Observ	ed		0.06	g									Re	eport Prin	led: 8	/09/2010 3	3:39:30 PM
Magnetic Frac	tions mm ag	vs Siz +2.0	ze Fra +1.2	ction +.8	+.4 All	+.3 All	+.25	+.20 All	+.10	Com this s	mer amp	nt ak ble:	pout				

		[Detai	led H	leav	y Miı	<u>nera</u>	<u>l An</u>	alysi	<u>is</u>		S	ample N	10:	ABH000080
DIATECH		C	Dur Job Ne Disc No.:	o.: 10066 -							Ove	erall Samp	ole Assessm	nent	Negative
Ph 61 8 9361 2596 Fx 61 8 9470 1504											You	r Project C	Code:		Abner Range NT
Sample Type (as	collec	ted):		S	tream S	Sedime	ent						Head	Weight	47.22 kg
Sample Type (as	receiv	ved):		S	tream S	Sedime	ent						Wet	Weight	kg
Observed Sa	Imple 1	lype:			MI Con	centra	te								
Diamond _m	<u>Nu</u> m +2.0	<u>mber o</u> +1.2	of partic +.8	<u>es in ec</u> +.4	ich size +.3	fraction +.25	+.20	+.10	Total partic	les De	scriptio	on of these pa	rticles		
Key Minerals	m +20	Num	ber of p	articles	in each	size fra	ction	+ 10	Assess	sment	Wear	Total particles	No of parti probed	cles	
	+2.0	+1.2	+.0	7.4	+.3	7.25	+.20	+.10							
Other Minerals	<u>% P</u> m +2.0	ercent +1.2	age of p +.8	oarticles +.4	in each +.3	n size fra +.25	<u>ction</u> +.20	+.10	Wear	Col	our	Angularity	Lustre	Transparency	/ Form/Shape
Anatase					Tr		Tr		MA			,			
Barite				Tr	Tr		Tr		HA						
Corundum					Tr		Tr		MA						
Fe Oxide/Hydroxide				100	60		40		HA						
Leucoxene					40		60		HA						
Micrometeorites					Tr		Tr								2 grains
Phosphate				Tr	Tr		Tr		HA						
Rutile					Tr		Tr		HA						
Staurolite							Tr		HA						
Tourmaline					Tr		Tr		HA						
Zircon					Tr		Tr		HA						
TOTAL	%	9	%	100%	% 100%	%	100%	%	İ						
What Has Beer			d?		nae	_0) 5+0 つ	mm					_	Technic	cian: JED
Weight Observed	0.10	500000) g		ige	-0						n.	E Deart Primi	ate Obse	rved: 25-Aug-10
Magnetic Fraction mm NotMag	+2.0	ze Frac +1.2	ction +.8	+.4 All	+.3 All	+.25	+.20 All	+.10	Corr this s	nme samj	nt ab ple:	ке oout	epon rnn	ea: č	9707720103:40:00 PM

			<u>[</u>	<u>Detai</u>	led H	leav	<u>y Mi</u> ı	nera	l An	alysi	<u>is</u>		So	ample N	10:	ABH000081		
DIATECH			C D)ur Job Ne Iisc No.:	o.: 10066 -							Ove	erall Samp	le Assessm	nent	Negative		
Ph 61 8 9361 2596 Fx 61 8 9470 1504												You		Abner Range NT				
Sample Type (as	Type (as collected): Stream Sediment													Head	Weight	ght 32.86 kg		
Sample Type (as		St	ream S	Sedime	ent						Wet	Weight	kg					
	mpie	e iy	pe:		<i>Γ</i>			le		Tatal								
Diamond	n +2	+2.0 +1.2 +.8 +.4 +.3 +.25 +.20 +.10 particles Description of these particles																
Key Minerals	n +2	.0	<u>Num</u> +1.2	iber of p +.8	articles +.4	<u>in each</u> +.3	size fra +.25	<u>ction</u> +.20	+.10	Assess	sment	Wear	Total particles	No of parti probed	cles			
Other Minerals	m +2	<u>6 Pe</u>	<u>rcent</u> +1.2	age of p +.8	oarticles +.4	<u>in each</u> +.3	size fra +.25	<u>ction</u> +.20	+.10	Wear	Cold	our	Angularity	Lustre	Transparenc	y Form/Shape		
Anatase						Tr		Tr		HA								
Corundum					Tr	Tr		Tr		MA								
Fe Oxide/Hydroxide					100	50		40		HA								
Ilmenite								Tr		HA								
Kyanite						Tr		Tr		HA								
Leucoxene						50		60		HA								
Micrometeorites						Tr		Tr								2 grains		
Phosphate					Tr	Tr		Tr		HA								
Rutile						Tr		Tr		HA								
Tourmaline						Tr		Tr		HA								
Zircon						Tr		Tr		HA								
TOTAL		%	%	%	100%	3 100%	%	100%	%									
What Has Beer Final Conc Weight	n Ol	ose	0.13	d? g	Size Rar	nge	-0	.5+0.2	mm					C	Technie Date Obse	cian: JEI rved: 25-Aug-1		
Weight Observed	s ve	Size	0.13	g									Re	port Print	ed:	3/09/2010 3:40:26 PN		
MotMag	+2.0		+1.2	+.8	+.4 All	+.3 All	+.25	+.20 All	+.10	Corr this s	nmer samp	nt ak ole:	out					

	Detailed H	<u>leavy l</u>	<u> Mineral A</u>	<u>Analysis</u>		Sc	ample N	o:	ABH000082
	Our Job No.: 10066 Disc No.: -				Ov	erall Samp	le Assessm	ent	Negative
Ph 61 8 9361 2596					You	ır Project C	ode:		Abner Range NT
Fx 61 8 9470 1504			1						
Sample Type (as collected	I): S1	ream Sed	iment				Head \	Weight	36.86 kg
Sample Type (as received)	1: 51	ream sea	iment				Wetv	veight	kg
Observed sample type	e: r	MI Concer	lirdie						
Diamond Number mm +2.0 +	er of particles in ea 1.2 +.8 +.4	<u>ch size frac</u> +.3 +.	<u>tion</u> 25 +.20 +	Total 10 particles	Descripti	on of these pa	rticles		
Key Minerals <u>N</u> m +2.0 +	umber of particles 1.2 +.8 +.4	in each size +.3 +.2	<u>e fraction</u> 25 +.20 +.1	Assessmer	t Wear	Total particles	No of partic probed	les	
Other Minerals ^{% Perce}	entage of particles 1.2 +.8 +.4	<u>in each size</u> +.3 +	<u>e fraction</u> 25 +.20 +	.10 Wear C	olour	Angularity	Lustre	Transparency	Form/Shape
Anatase		Tr	Tr	HA					
Barite	Tr	Tr	Tr	HA					
Corundum		Tr	Tr	MA					
Fe Oxide/Hydroxide	100	40	30	HA					
Kyanite		Tr	Tr	HA					
Leucoxene	Tr	60	70	HA					
Rutile		Tr	Tr	HA					
Zircon		Tr	Tr	HA					
TOTAL %	% % 100%	3 100%	% 100%	%					
What Has Been Observ	/ed?	nde	-0 5+0 2 mm	n			_	Technic	ian: JED
Weight Observed	11 a	ige	0.0 0.2 1111			-	D	ate Obser	ved: 25-Aug-10
Magnetic Fractions vs Size F	raction			Comme	• • • • •	Ke	port Printe	e a: 8	107/2010 3:40:54 PM
mm +2.0 +	1.2 +.8 +.4	+.3 +. All	25 +.20 + All	this sar	enr di nple:	τυου			

			[Detai	led H	leav	y Mi	nera	l An	<u>alysi</u>	<u>s</u>			Sample	No:	ABH000083
			C	Dur Job N	o.: 10066							Ove	erall Sar	nple Asses	sment	Negative
Ph 61 8 9361 2596												You	r Projec	t Code:		Abner Range N
Fx 61 8 9470 1504	a c a		todi		c+	roam	Codimo	nt						Hoo	d Waight	27.99 kg
Sample Type (as c	eceiv	ed).		St	ream S	Sedime	ent						пео We	a weighi at Weight	57.00 Kg
Observed S	Sam	T elar	vpe:		N	л Con	centra	te							, , , olgin	
Diamond	mm	<u>Nu</u> +2.0	<u>mber c</u> +1.2	of partic	l <u>es in ea</u> +.4	<u>ch size</u> +.3	fraction +.25	+.20	+.10	Total partic	les De	scriptic	on of these	particles		
Key Minerals	mm	+2.0	<u>Num</u> +1.2	iber of p +.8	oarticles +.4	in each +.3	size fra +.25	<u>ction</u> +.20	+.10	Assess	ment	Wear	Total particle	No of pos	articles	
Other Minera	I IS mm	<u>% P</u> +2.0	ercent +1.2	age of p +.8	oarticles +.4	<u>in each</u> +.3	size fro +.25	<u>iction</u> +.20	+.10	Wear	Col	our	Angular	ity Lustre	Transpare	ncy Form/Shape
Anatase								Ir		HA						
Corundum	Ť							Tr		MA						
Fe Oxide/Hydroxide	Ť				100	30		15		HA						
Kyanite	Ť					Tr		Tr		HA						
Leucoxene	Ť				Tr	70		80		HA						
Micrometeorites	Ť							Tr								1 grain.
Phosphate	Ť				Tr	Tr		Tr		HA						
Tourmaline	Ť					Tr		Tr		HA						
Zircon	Γ					Tr		5		HA						
TOTAL	-	%	9	%	100%	100%	%	100%	%							
What Has Bee Final Conc Weig	en ght	Obs	erve 0.09	d? g	Size Rar	nge	-C).5+0.2	mm						Tech Date Ob:	nician: JEL served: 25-Aug-1
Weight Observe Magnetic Fractio	ons	vs Siz ⊦2.0	0.09 e Frac +1.2	g ction +.8	+,4	+.3	+,25	+.20	+.10	Com	ime	nt at	pout	Report Pri	nted:	8/09/2010 3:41:21 PN
NotMa	g				All	All		All		this s	amj	ple:				

	<u>I</u>	Detai	iled H	leavy	y Minera	<u>II An</u>	alysi	<u>s</u>		:	Sample	e No:		AB	H000084
	C	Dur Job N Disc No.:	o.: 10066 -						Ove	rall Sam	ple Asses	sment		Ν	legative
Ph 61 8 9361 2596									Your	Project	Code:	-		Abne	er Range NT
Fx 61 8 9470 1504		_													
Sample Type (as coll	ected):		St	tream S	ediment						Heo	ad Weig	ht		46.56 kg
Sample Type (as rec	eived):		St	tream S	ediment						W	et Weig	ht		kg
Observed Sampl	e lype:		1	MI Cond	centrate										
Diamond mm +2	<u>Number (</u> 2.0 +1.2	of partic +.8	les in ea +.4	<u>ch size f</u> +.3	raction +.25 +.20	+.10	Total particle	es De	scriptio	n of these	particles				
Key Minerals	<u>Num</u> 2.0 +1.2	nber of p +.8	oarticles +.4	<u>in each</u> +.3	size fraction +.25 +.20	+.10	Assessr	nent	Wear	Total particles	No of p probed	articles			
Other Minerals	<mark>% Percent</mark> 2.0 +1.2	age of p +.8	oarticles +.4	<u>in each</u> +.3	<u>size fraction</u> +.25 +.20	+.10	Wear	Cole	our	Angularit	y Lustre	Trans	sparency	Form/	Shape
Anatase				Tr	Tr		HA								
Barite			Tr				MA								
Fe Oxide/Hydroxide			100	25	30		HA								
Leucoxene				75	70		HA								
Phosphate				Tr	Tr		HA								
Rutile				Tr	Tr		HA								
Tourmaline				Tr	Tr		HA								
Zircon			Tr	Tr	Tr		HA								
TOTAL	% %	76 76	100%	3 100%	% 100%	%	İ								
What Has Been O	bserve	d?										Te	chnic	ian:	BJG
Final Conc Weight	0.12	2 g 3	Size Rar	nge	-0.5+0.2	mm						Date	Obser	ved:	25-Aug-10
Weight Observed	0.12	2 g								F	Report Pi	inted:	8	/09/2010) 3:41:46 PM
Magnetic Fractions vs	Size Fra	ction	+ 4	+ 3	+ 25 + 20	+ 10	Com	me	nt ab	out					
NotMag			All	All	All		this s	amj	ple:						

			Detai	iled H	leav	y Min	era	l An	<u>alysis</u>			So	ample N	No:	ABH	1000085
DIATECH			Our Job N Disc No.:	o.: 10066 -							Ove	erall Samp	le Assessm	nent	N	egative
Ph 61 8 9361 2596 Fx 61 8 9470 1504											You	r Project C	ode:		Abne	Range NT
Sample Type (as	colle	ected):		St	ream S	Sedimer	nt						Head	Weight		25.44 kg
Sample Type (as	rece	eived):		St	ream S	Sedimer	nt						Wet	Weight		kg
Observed Sar	mple	e Type:		Ν	Al Con	centrate	е									
Diamond mn	<u> </u> ו +2	Number .0 +1.	of partic 2 +.8	les in ea +.4	<u>ch size (</u> +.3	fraction +.25	+.20	+.10	Total particles	S Desc	criptio	on of these pa	rticles			
Key Minerals	1 -	Nur	nber of p	oarticles i	in each	size frac	tion		Assessm	ent W	lear	Total particles	No of part	icles		
	+2	.0 +1.:	2 +.8	+.4	+.3	+.25	+.20	+.10								
Other Minerals	2	Percen	tage of p	particles	in each	size frac	:tion									
	1 + <mark>2</mark>	.0 +1.2	+.8	+.4	+.3	+.25	+.20	+.10	Wear	Colou	ur	Angularity	Lustre	Transparency	Form/S	nape
Amphibole					Tr		Tr		LA							
Anatase					Tr				MA							
Corundum					Tr		Tr		НА							
Fe Oxide/Hydroxide				100	20		20		İ							
Ilmenite							Tr		НА							
Kyanite					Tr		Tr		МА							
Leucoxene					5		5		НА							
Phosphate				Tr	Tr		Tr		НА							
Tourmaline				Tr	75		75		НА							
Zircon					Tr				НА							
TOTAL		%	% %	100%	100%	%	100%	%								
What Has Been Final Conc Weight	O	oserve	ed? 3 g	Size Rar	ige	-0.	5+0.2	mm					Γ	Technic Date Obser	:ian: rved:	LF 20-Aug-10
Weight Observed		0.1	3g									Re	port Prin	ted: 8	8/09/2010	3:42:12 PM
Magnetic Fractions mm NotMag	s vs +2.0	Size Fro +1.	1ction 2 +.8	+.4 All	+.3 All	+.25	+.20 All	+.10	Comn this so	nen Imp	t ak le:	oout				