



52K15NE0028 14 SLATE LAKE

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DIAMOND DRILLING

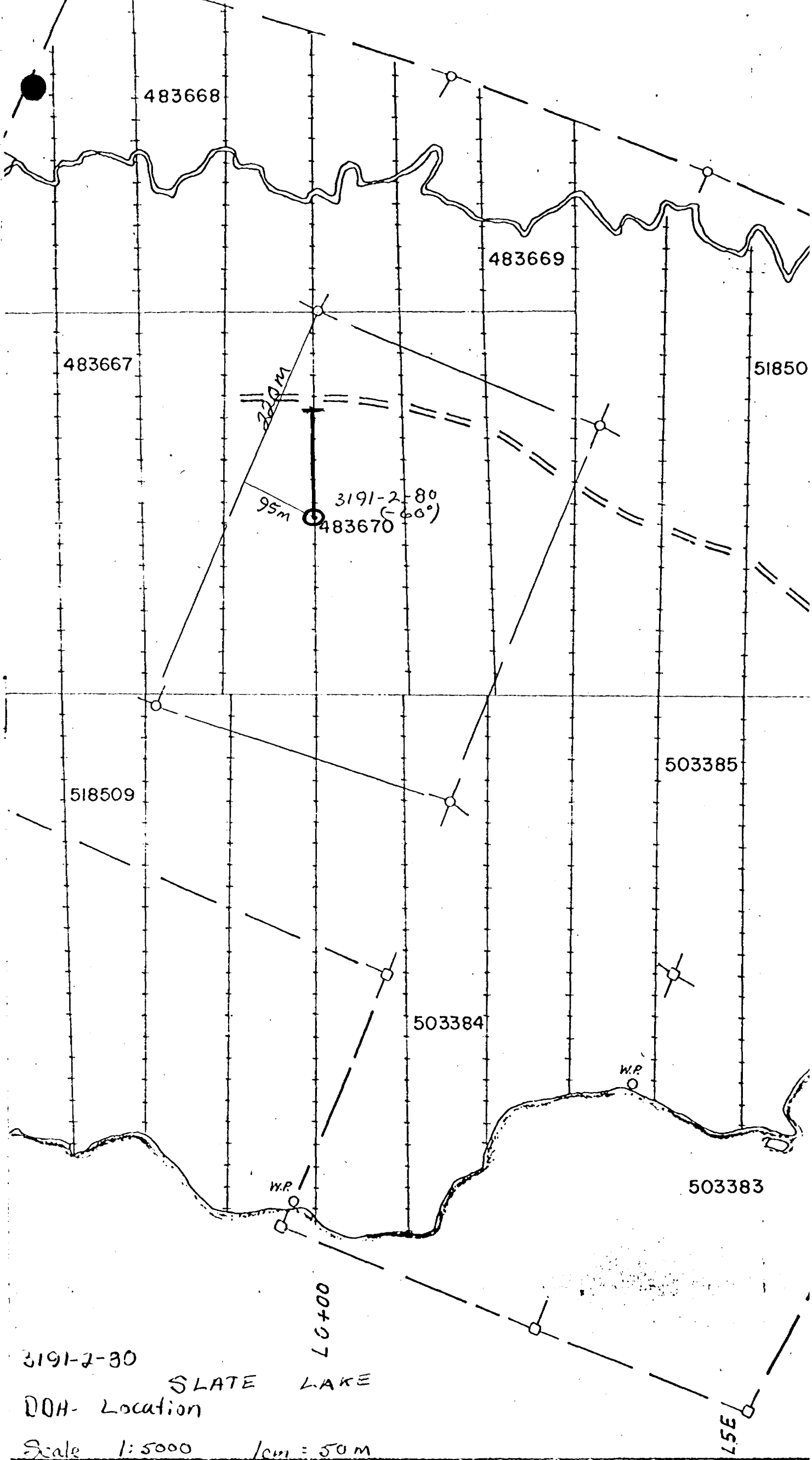
AREA: SLATE LAKE

REPORT No.: 14

WORK PERFORMED BY: ST. JOSEPH EXPLORATIONS LTD.

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
KRI 483670	3191-2-80	626.0	Apr./80	(1)

NOTES: (1) #101-80



3191-2-30

SLATE LAKE

DDH- Location

Scale 1:5000 1cm = 50m

15E







METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS				
FROM	TO							Pb	Zn	Cu	Ag	Ag
112.74m	130.95m		DACITE TUFF - med.grey, f.g. w/local biotite rich quartz-calcite veins and minor lapilli tuff areas. <u>Structure</u> - lapilli areas are elongated in the foliation direction which has a core angle of 55°. Foliation intensity increase in intensity around the biotite rich quartz-calcite veins found around 115.85 & 121.95m areas. Smaller veins are orientated in the foliation direction while the large above mentioned veins cross-cut the foliation direction. <u>Alteration</u> - moderate biotite & chloritic altered areas, minor carbonate altered areas. <u>Mineralization</u> - minor pyrite along slips & minor pyrite veinlets orientated in the foliation direction in the lower .3m of this unit (1%).	4209	130.43	130.92	.49m	tr	0.01	0.01	nil	nil
130.95m	156.86m		DACITE TUFF & LAPILLI TUFF - med.grey f.g. tuff w/moderate lapilli tuff areas. Unit appears to be more dacite tuff in the upper 1/3, grading into 80% lapilli tuff areas in the central 1/3 which in turn grades into a 60%:40% (dacite:lapilli) ratio over the lower 1/3 of this unit. <u>Structure</u> - quartz-calcite veining in moderate amounts is present in the upper 1/3 of this unit, while minor quartz-calcite veining is present in the lower 1/3 of the unit. Lapilli are elongated in the foliation direction which has a core angle of 60°. Foliation are more pronounced in these lapilli areas. Chloritic blebs elongated in the foliation direction were noted in the lapilli areas. Quartz-calcite veining may or may not be orientated in the foliation direction. <u>Alteration</u> - minor sericitic & moderate chloritic alteration in veined areas. Moderate carbonate altered areas throughout this unit (stronger near veined areas). Minor biotite. <u>Mineralization</u> - minor pyrite throughout the unit found along slips and as follows: Sample area contains a large 1.2cm massive quartz-calcite vein w/minor chloritic alteration & minor disseminated pyrite (less than 1%). Sample area contains a 1.0cm quartz-calcite vein & minor disseminated pyrite veinlets (less than 1%)	4210	130.92	131.40	.48m	tr	0.01	tr	tr	nil
			(cont'd)	4211	131.40	131.89	.49m	tr	0.03	0.01	nil	tr



METRES		SECTION	DESCRIPTION					ASSAYS				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	Pb	Zn	Cu	Au	Ag
161.52	162.56		ARGILLITE - dk. black, finely laminated unit w/minor dacite tuff interbedded. Structure - dacite beds are a med. grey color & also f.g. Thin 4mm calcite veinlets appear throughout the argillite & are orientated in the foliation direction which has a core angle of 70°. Alteration - moderate carbonate & chloritic Mineralization - very fine pyrite veinlets which are orientated in the foliation direction (1%).	4219	161.59	162.56	.97	tr	0.02	tr	nil	nil
162.56	164.79		DACITE TUFF - same as previously described - 156.86-161.52 unit									
164.79	166.19		ARGILLITE - same as previously described - 161.52-162.56 unit									
166.19	178.75		DACITE TUFF & LAPILLI TUFF - dk. green-grey f.g. tuff w/the lapilli areas a green-brown color. Local biotite rich quartz veins. Structure - lapilli tuff are elongated in the foliation direction which has a core angle of 70°. Quartz & quartz-calcite veins, up to 2cm, appear throughout the unit & are usually orientated in the foliation direction. A massive 2cm pyrite vein w/moderate vugging appears at the 177.93m area. Foliations incr. in intensity over a 3.0m area as the lower contact is approached. Alteration - intense chloritic moderate silicification occur throughout the unit to intense silicification as the lower contact is approached. Mineralization - minor veinlets (2-4mm) of pyrite-pyrrhotite orientated in the foliation direction over a 2.0m area adjacent to the lower contact. Minor chalcopyrite & sphalerite veinlets over the lower .25m of this unit. Minor pyrite-pyrrhotite veinlets (2mm) orientated in the foliation direction up to 1%. Sample area containing the 2cm massive vugged pyrite vein & pyrite-pyrrhotite veinlets (2-3mm) orientated in the foliation direction (2%) Trace of chalcopyrite and sphalerite. Upper 0.5m directly above the massive sulphide zone contains minor chalcopyrite & sphalerite as well as pyrite-pyrrhotite veinlets orientated in the foliation direction (1%).	4220	177.29	177.77	.48	tr	0.03	0.06	nil	nil
				4221	177.77	178.26	.51	tr	0.02	0.03	tr	nil
				4222	178.26	178.75	.49	0.19	0.41	0.53	tr	nil



METRES		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS				
FROM	TO							Pb	Zn	Cu	Au	Ag
178.75	178.84		SULPHIDE ZONE - a massive pyrite-pyrrhotite matrix w/up to 1.5cm brecciated anhedral rhyolitic fragments which occupy up to 20% of this zone. Structure - massive matrix w/brecciated areas. Alteration - silicification Mineralization - massive pyrite-pyrrhotite w/minor sphalerite & chalcopyrite found in and around brecciated fragments.	4223	178.75	178.84	.09	0.04	9.06	0.51	tr	1.16
178.84	190.85		DACITE TUFF - med. to dk. grey f.g. tuff w/a few minor lapilli tuff areas. Structure - minor quartz-calcite veining rarely exceeding 1.5cm usually smaller (0.5cm) & orientated in the foliation direction which has a core angle of 60°. Lapilli areas also elongated in the foliation direction. Alteration - minor chloritic & carbonate altered areas. Intensive silicification near the upper contact w/the sulphide zone. Mineralization - minor pyrite-pyrrhotite, trace of sphalerite & chalcopyrite near the upper contact	4224	178.84	179.33	.49	0.01	0.03	0.07	tr	nil
190.85			END OF HOLE									

*Handwritten signature*



K.R.L.	K.R.L.
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ST. JOSEPH EXPLORATIONS Limited

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June 9/80

SLATE LAKE M-2412

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