

52E10SW8534 17 SHOAL LAKE

010

## Diamond Drilling

Area of SHOAL LAKE

Report N<sup>o</sup> 17

Work performed by: A. Hopkins

Claim N <sup>o</sup>	Hole N <sup>o</sup>	Footage	Date	Note
K 32455	65-1	103.0'	June/65	
	65-2	102.0'	June/65	
	65-3	105.0'	June/65	
	65-4	104.4'	June/65	
K 32454	65-5	102.0'	June/65	
	65-6	109.0'	June/65	
	65-7	118.0'	June/65	
	65-8	103.0'	June/65	
K 34692	68	256.0'	June/68	

Notes:

PROPERTY Hopkins - Heintzman - Shoal Lake.

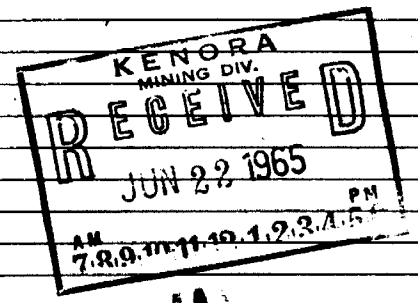
SECTION Glass tp.

LATITUDE 1500' SW. } <sup>on</sup> "machin"  
 DEPARTURE 26.5' NW. } Picket  
 ELEVATION <sup>ca.</sup> 10' above Shoal Lake h.w. m.v.d. } Line.

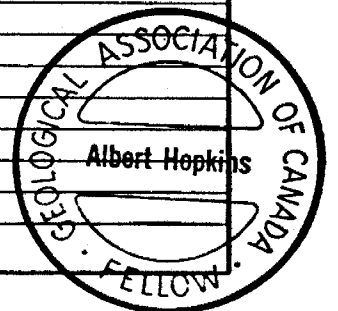
STARTED 10 June 1965  
 COMPLETED 11 June 1965  
 H.D. 73'

D.D.H. No. 65-1  
 K. 32455  
 BEARING 313°40' DEPTH 103'  
 DIP -45°  
 Core was boxed, labelled, + stored 100' W. of hole #64-1.

GENERAL GEOLOGY	AU. ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
Casing - 10' clay, 10' sand, 5' gravel, 2' boulders			27.0		0.0' - 27.0'	
Greenstone - Kaeewatin lava - same as in drill hole # 64-3 i.e. grey-green m.g. altered lava, probably trachyte down to 33.7'			6.7		27.0 - 33.7	
	0.04	\$1.40	2.1	65-1-1	33.7 - 35.8	"machin Zone" :- 50% Q, bal. sil. sch. Contains 5% py. in cubes microscopic up to 1/8" diam. seams, + dissem. Brecciated. Favourable.
Greenstone: This section appears more aegiritic + less altered than above.			67.2		35.8 - 103.0	
			6.0	65-1-2	42.0 - 48.0	Mineralized Zone :- 25% Q, 2% py. more brecciated + less sil. than above. Does not look very favourable.
					@ 53.1'	2" of sil. + 2 minute specks of sp.
					@ 59.5'	1" of sil. with py. + a seam of red haemq.
			1.0	65-1-3	93.0 - 94.0'	10% Q, 90% dark altered sch. lava, 1% py. sparse sp. Not very favourable.
					@ 101.1'	2" of Q, sil., + dissem. py.
End of hole.					103.0'	



D.D.H. No 65-1  
 K 32455



Core by Community Well Drilling Co., Kenora, Ont.

Albert Hopkins, B.A.Sc.

PROPERTY Hopkins - Heinzman - Shoal Lake.

SECTION Glass Sp.

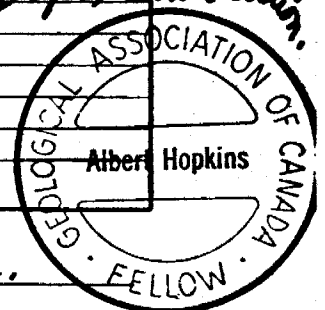
LATITUDE 1525' SW. } <sup>on</sup> machin  
 DEPARTURE 20' NW. } Picket  
 ELEVATION <sup>ca. 8'</sup> 30' above Shoal Lake h.w.m.v.d. 72' H.D. 72'

STARTED 11 June 1965.  
 COMPLETED 12 June 1965.

D.D.H. No. 65-2  
 K 32455  
 BEARING 313°40' DEPTH 102'  
 DIP -45°  
 Core was boxed, labelled & stored 100' W. of hole #64-1.

GENERAL GEOLOGY	AV. ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
Casing :- 5' clay, 5' sand, 5' gravel, 5' boulders			19.9		0.0'-19.9'	
Diorite - m.g., grey-green, old, altered, Keweenaw tuffel, becoming finer-grained toward the andesite contact.			21.3		19.9-41.2	
			0.9	65-2-1	20.1-22.0	milky B.Q.V. - coincides with a fissure or "cave". Rare py. Not favourable.
Andesite - f.g., grey-green, slightly spherulitic, cut by veins of Q-carb.					41.2-63.5	
	0.02	\$0.70	3.7	65-2-2	49.0-52.7	"Machin Zone". 73% sch., 25% Q + sil. material, 2% f.g. py cubes, sparse dissemt. f.g. & more micaceous & schistified by lens favourable than #65-1-1.
					63.5'	1/2" b.Q. str.
Diorite - as above, but micaceous.					63.5-65.5	
			4.0	65-2-3	65.5-69.5	78% sch., 20% Q, 2% v.f.g. py, sparse po,
			2.5	65-2-4	69.5-72.0	50% Q, 45% sch., 5% sulfa. (v.f.g. py & less po.)
			3.9	65-2-5	72.0-75.9	78% sch., 20% Q, 2% sulfa. (v.f.g. py & less po.)
Andesite, as above.			1.1		75.9-77.0	
Diorite - as above - f.g.			15.0		77.0-92.0	
			0.4		79.5-79.9	Similar to #65-2-4, but too narrow to sample.
			1.0	65-2-6	84.1-85.1	Another well-sulfidized (py & po) narrow section.
Andesite - as above.			5.0		92.0-97.0	
Diorite - ophitic Hb, xls, a few py xl's at 97.0.			5.0		97.0-102.0	
End of hole.					102.0'	

KENORA MINING DIV.  
**RECEIVED**  
 JUN 22 1965  
 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM



'A' core by Community Well Drilling Co., Kenora, Ont.  
 DRILLING CONTRACTOR

Albert Hopkins B.A.Sc.  
 ENGINEER

PROPERTY Hopkins - Heintzman - Shoal Lake.

SECTION Glass Tp.

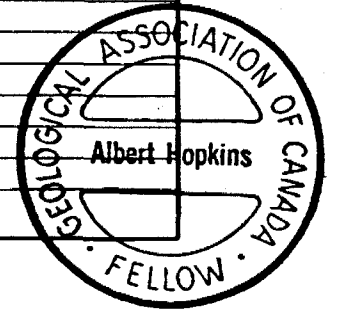
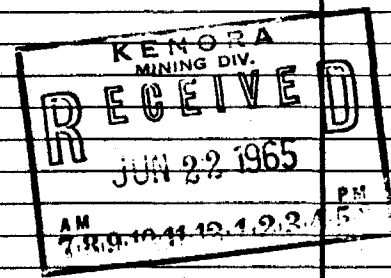
LATITUDE 1550' SW } <sup>on</sup> machin  
 DEPARTURE 18' NW } Picket  
 ELEVATION 5' above Shoal Lake h.w.m. v.d. } Line.

STARTED 12 June 1965  
 COMPLETED 13 June 1965.  
 H.D. 74'

D.D.H. No. 65-3  
 K. 32455  
 BEARING 313°40' DEPTH 105'  
 DIP -45°

'A' core was boxed, labelled, + stored 100' W. of hole #64-1.

GENERAL GEOLOGY	AV. ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
Casing - overburden.			25.0		0.0 - 25.0	
Diorite - m.g., grey-green, homogeneous			13.1		25.0 - 38.1	
Andesite - c.g., grey-green (or altered f.g. dior.)			1.6		38.1 - 39.7	
Diorite - as above.			15.3		39.7 - 55.0	
			1.3	65-3-1	45.2 - 46.5	milky b.Q.V., sparse po + py.
Altered zone - either f.g. dior. or c.g. andes. foliated, with Q-carb seams.			10.0		55.0 - 65.0	
Diorite - as above			10.3		65.0 - 75.3	
Altered f.g. zone - as above.			14.9		75.3 - 90.2	
	0.04	\$1.40	2.3	65-3-2	80.4 - 82.7	Sil. Zone - 50% sil., 45% sch., 5% py. "Machin Zone"
Diorite - as above.					90.2 - 101.5	
Altered f.g. Zone - as above.					101.5 - 105.0	
End of hole.					105.0	



Community Well Drilling Co., Kenora, Ont.

Albert Hopkins, B.A.Sc.  
 ENGINEER

PROPERTY Hopkins-Henryman-Shoal Lake

SECTION Glass Sp.

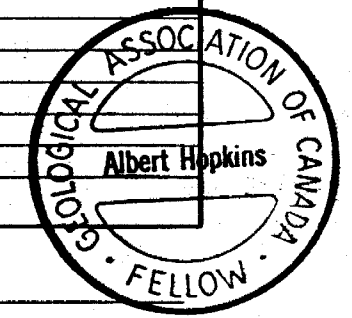
LATITUDE 1575'SN. } <sup>on</sup> "Machin"  
 DEPARTURE 40'NW. } Picket  
 ELEVATION <sup>ca.</sup> 2' above Shoal Lake h.w.m. } Line

STARTED 13 June 1965  
 COMPLETED 14 June 1965.  
 V.D. 74' H.D. 74'

D.D.H. 65-4  
 K. 32455  
 BEARING 313°40' DEPTH 104.4'  
 DIP -45°  
 "A" core was boxed, labelled, & stored 100' w. of hole #64-1

GENERAL GEOLOGY	Au. ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
Casing - overburden of clay, sand, gravel, + boulders			20.0		0.0-20.0	
Diorite - m.g., med. grey-green, old Kewatin - type			28.5		20.0-48.5	
					at 25.7'	a 1" b.Q. str.
					27.3'	1" " " "
					30.1'	1" " " "
					31.4'	1" " " "
			0.8		37.6-38.4	b.Q.V.
Altered zone - foliated f.g. dior. or r.g. andes.			3.8		48.5-52.3	
Diorite - as above			8.7		52.3-61.0	
Altered zone - as above.			10.3		61.0-71.3	
			2.5	65-A-1	64.2-66.7	"Machin Zone" 50% sil, 45% sch. 5% py.
Diorite - as above.			33.1		71.3-104.4	
					92.0	1/2" b.Q. str.
					100.7	1" " " "
End of hole.					104.4	

KENORA MINING DIV.  
**RECEIVED**  
 JUN 22 1965  
 AM 7:09 10:11 12:12 2:15 PM



Community Well Drilling Co., Kenora, Ont.  
 DRILLING CONTRACTOR

Albert Hopkins, B.A.Sc.  
 ENGINEER

PROPERTY Hopkins - Heintzman - Shoal Lake

SECTION glass type

LATITUDE 1009'SW. } <sup>on</sup> "machin"  
 DEPARTURE 46.5'SE. } Picket  
 Line.

STARTED 15 June 1965.  
 COMPLETED 16 June 1965.

D.D.H. No. 65-5  
 K. 32454  
 BEARING 313°40' DEPTH 102'  
 DIP -45°

ELEVATION ca. 10' above Shoal Lake h.w.m. V.D. 72' H.D. 72' "A" core was boxed, labelled, + stored 100' W. of hole # 64-1.

GENERAL GEOLOGY	Au ASSAY Ag		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
Casing - overburden.			22.4		0.0' - 22.4'	
Andesite - med. grey-green, fig. fairly massive + homogeneous; cut by occas. narrow seam of Q-carb.			76.1		22.4 - 98.5	
			5.7	65-5-1	59.0 - 64.7	"Machin Zone": 40% sil, 40% sulf, 20% seric sch Sulfur: - 15% py, 13% po, 10% sphal + 2% cp.
			2.0	65-5-2	80.0 - 82.0	10% sil, 80% sch, 5% py, 4% po, 1% cp.
Rhyolite or Trachyte, or alt. sil. andes. lighter grey-green than above andes.			1.8		98.5 - 100.3	
Andesite - as above.			1.7		100.3 - 102.0	
End of hole.					102.0	

KENORA MINING DIV.  
**RECEIVED**  
 JUN 22 1965  
 AM 7:10:11 PM 12:24 PM

GEOLOGICAL ASSOCIATION OF CANADA  
 Albert Hopkins  
 FELLOW ENGINEER

Community Well Drilling Co., Kenora, Ont.

Albert Hopkins, B.A.Sc.  
 ENGINEER

PROPERTY Hopkins - Hentzman - Shoal Lake.

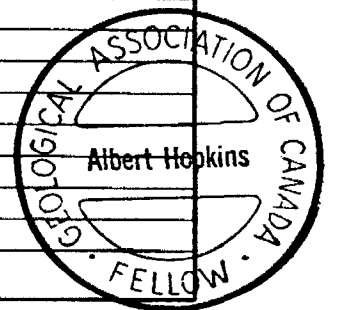
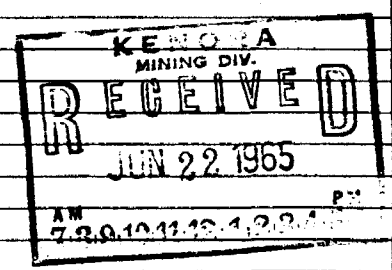
SECTION glass tp.

LATITUDE 975' SW. } "machin" on  
 DEPARTURE 40' SE. } Picket Line.  
 ELEVATION ca. 10' above Shoal Lake s.w.m.

STARTED 16 June 1965.  
 COMPLETED 17 June 1965.  
 V.D. 77' H.D. 77'

D.D.H. No. 65-6  
 K. 32454  
 BEARING 313°40' DEPTH 109'  
 DIP -45°  
 "A" core was boxed, labelled, + stored 100' w. of hole #64-1.

GENERAL GEOLOGY	ANALYSIS		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
Casing - overburden.			18.0		0.0'-18.0	
Andesite - med. grey-green, m.g., homogeneous, with occas. narrow seam of carb. and/or epidote.			71.0		18.0-109.0	
Altered Zone in the andesite - chloritized + sericitized schist.			25.0		43.5-68.5	
			5.0	65-6-1	53.4-58.4	"machin Zone" 50% Q, 25% sch., 10% py, 10% fsp., 4% sphal., 1% cfs.
			1.0	65-6-2	86.0-87.1	Parallel or Branch Vein, 54% seric. sch., 35% Q, 5% py, 5% fsp., 1% sphal., 1% cfs.
End of hole.					109.0	



Community Well Drilling Co., Kenora, Ont.

Albert Hopkins, B.A. Sc.

PROPERTY Hopkins-Heintzman-Shoal Lake

SECTION Glass Sp.

LATITUDE 975' SW. } "on Machin"  
 DEPARTURE 40' SE. } Picket Line  
 ELEVATION ca. 10' above Shoal Lake h.w.m.

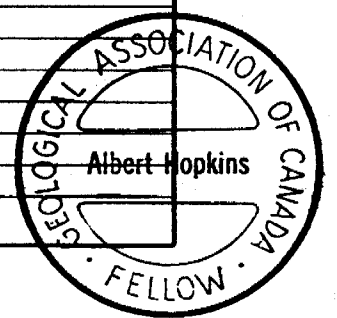
STARTED 17 June 1965  
 COMPLETED 18 June 1965  
 V.D. 102' H.D. 59'

D.O.H. 65-7  
 K. 32454  
 BEARING 313°40' DEPTH 118'  
 DIP -60°

"A" core was boxed, labelled & stored 100' W. of hole #62.1

GENERAL GEOLOGY	Au. ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
Casing - overburden.			18.0		0.0'-18.0'	
Andesite - m.g., med. grey-green, homogeneous, intersected by occas. narrow Q. and/or carb. seams & str.			41.7		18.0-59.7	
Altered Zone - seric. + chlor. sch. + silic. m.			22.3		59.7-82.0	
			4.2	65-7-1	63.1-67.3	"Machin Zone" Looks same as sample # 65-6-1: - 50% Q, 25% seric. sch., 10% py, 10% po, 4% sphal, 1% cp.
			4.2	65-7-2	67.3-71.5	
			3.4	65-7-3	108.1-111.5	
End of hole.					118.0	65% chlor-seric. sch., 25% Q, 5% py, 5% po, tr. cp.

KENORA MINING DIV. RECEIVED JUN 22 1965 AM 7:00 1071-12-19-65



Community Well Drilling Co., Kenora, Ont.

Albert Hopkins, B.A.Sc.



PROPERTY Hopkins - Hentzman - Shoal Lake.

SECTION Glass Sp.

LATITUDE 947'SW.  
 DEPARTURE 40'SE  
 ELEVATION ca. 8' above Shoal Lake h.w.m.

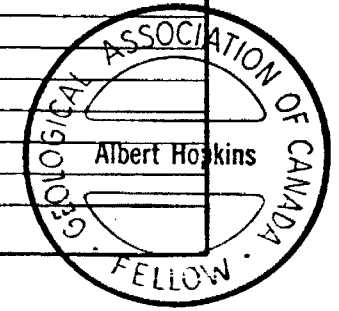
STARTED 18 June 1965  
 COMPLETED 19 June 1965.  
 V.D. 73' H.D. 73'

D.D.H. No. 65-8  
 K. 32454  
 BEARING 313°40' DEPTH 103'  
 DIP -45°

"A" core was boxed, labelled, + stored 100' w. of hole #64-1.

GENERAL GEOLOGY	Au ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
Casing - overburden			30.0		0.0-30.0	
Andesite - med. grey-green, f.g., homogeneous, cut by many narrow seams of Q. and/or carb.			17.5		30.0-47.5	
Alteration Zone - lighter coloured chlor-seric. sch., sil. in places.			22.8		47.5-70.3	
			6.0	65-8-1	50.0-56.0	"Machin Zone" - 60% Q. + sil., 30% sch., 6% py, 3% po, 1% sp. The sil. includes some green silicate (fuchsite or maskpositite)
			3.3	65-8-2	62.7-66.0	Mineralized Zone or branch vein: - 70% sch., 25% Q, 5% py, 5% po.
Andesite - as above.			30.0		70.3-103.0	
End of hole.					103.0	

RECEIVED  
 JUN 22 1965  
 AM 7.20.10.11.12.1.2.3



Community Well Drilling Co., Kenora, Ont.  
 DRILLING CONTRACTOR

Albert Hopkins, B.A.Sc.  
 ENGINEER

Shoal Lake

LOG OF DIAMOND DRILL HOLE No. 68

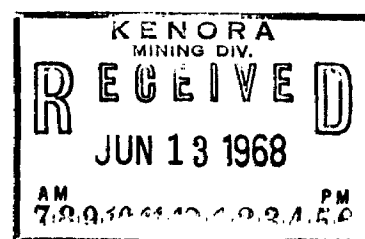
Collar is at 1600'N., 3200'E. on claim No.K.34692, Glass tp., Shoal Lake, Kenora Mining Division, Ont. on the Hopkins-Heintzman property, on the shore of Shoal Lake. Its length is 256', its strike 338° astronomic, its dip -44.5°. It was drilled by Paul Motkaluk and Alec Finlayson of Jack Edwards Drilling Co. of Kenora, Ont. between 8th and 12th June 1968. The core was logged by Albert Hopkins, B.A.Sc. of Toronto, and was left above the high-water-mark near the collar of the hole.

- 0' - 197.8' Diorite, mottled grey, medium-grained, homogeneous, Keewatin-type, becoming finer-grained with depth: except for:-  
20.5'-21.0' Glassy quartz, barren-looking.  
39.1'-42.3' Dacite, intermediate greenstone lava inclusion, fine-grained, grey.  
at 53.5' A 1" bull quartz stringer cutting the core at 45°.  
66.5'-66.7' 2" of silicification.  
93.0'-94.5' Quartz-sericite shear  
110.6'-110.8' Quartz and silicification.  
146.5'-147.0' Quartz, barren-looking.  
at 150.5' 1" quartz stringer.  
160.0' A 1" trap dyke, dark-grey, fine-grained.  
197.0'-197.8' Quartz vein cutting the core at 30°, with minor disseminated chalcopyrite. Sample No. 68 for gold assay.
- 197.8'-246.0' Dacitic intermediate greenstone lava, dark grey, coarse-grained, becoming finer-grained with depth, homogeneous.
- 246.0'-256.0' Andesite, dark green, homogeneous.
- 256.0'. End of hole.

Shoal Lake, Ont. 12 June 1968.

*Albert Hopkins*

Note:- Claim No.K.~~XXXX~~ 34692 is one of a group of 5 contiguous claims held by A. Hopkins, nos. K.34689, -90, -91, -92, and 43438. This work is to be recorded on claims nos. K.34689, 90, 91, and -92 ~~and~~ and 43438.

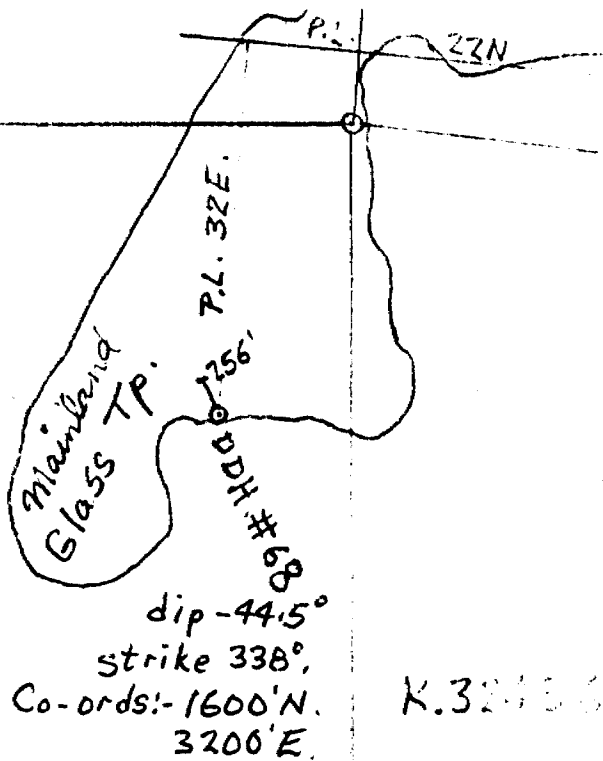




K.32458

K.34692

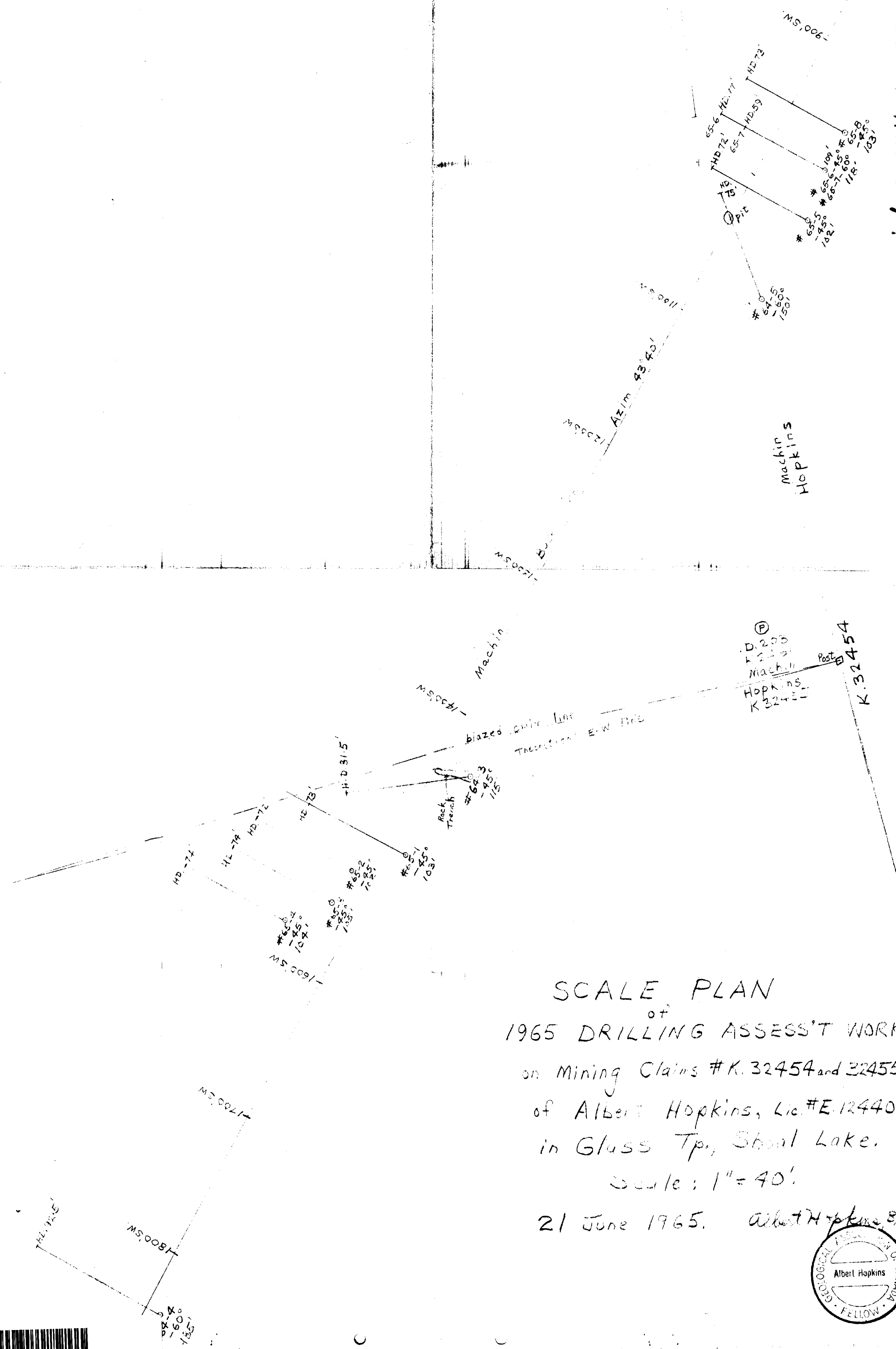
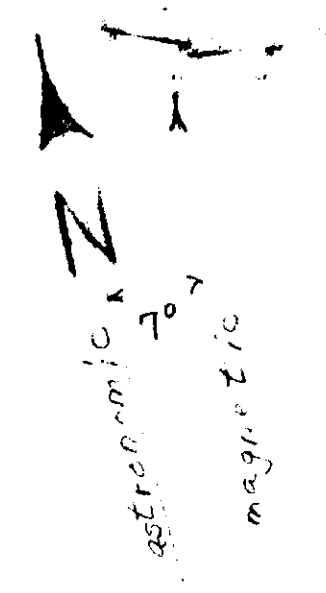
Shoal Lake



SKETCH PLAN  
for assessment work.  
Albert Hopkins.  
Scale: 1" = 300'

Wed June 23/65

Shoal Lake & Glass Tp.



SCALE PLAN  
 of  
 1965 DRILLING ASSESS'T WORK  
 on Mining Claims #K. 32454 and 32455  
 of Albert Hopkins, Lic #E. 12440  
 in Glass Tp, Shoal Lake.  
 Scale: 1" = 40'  
 21 June 1965. Albert Hopkins B.A.Sc.

