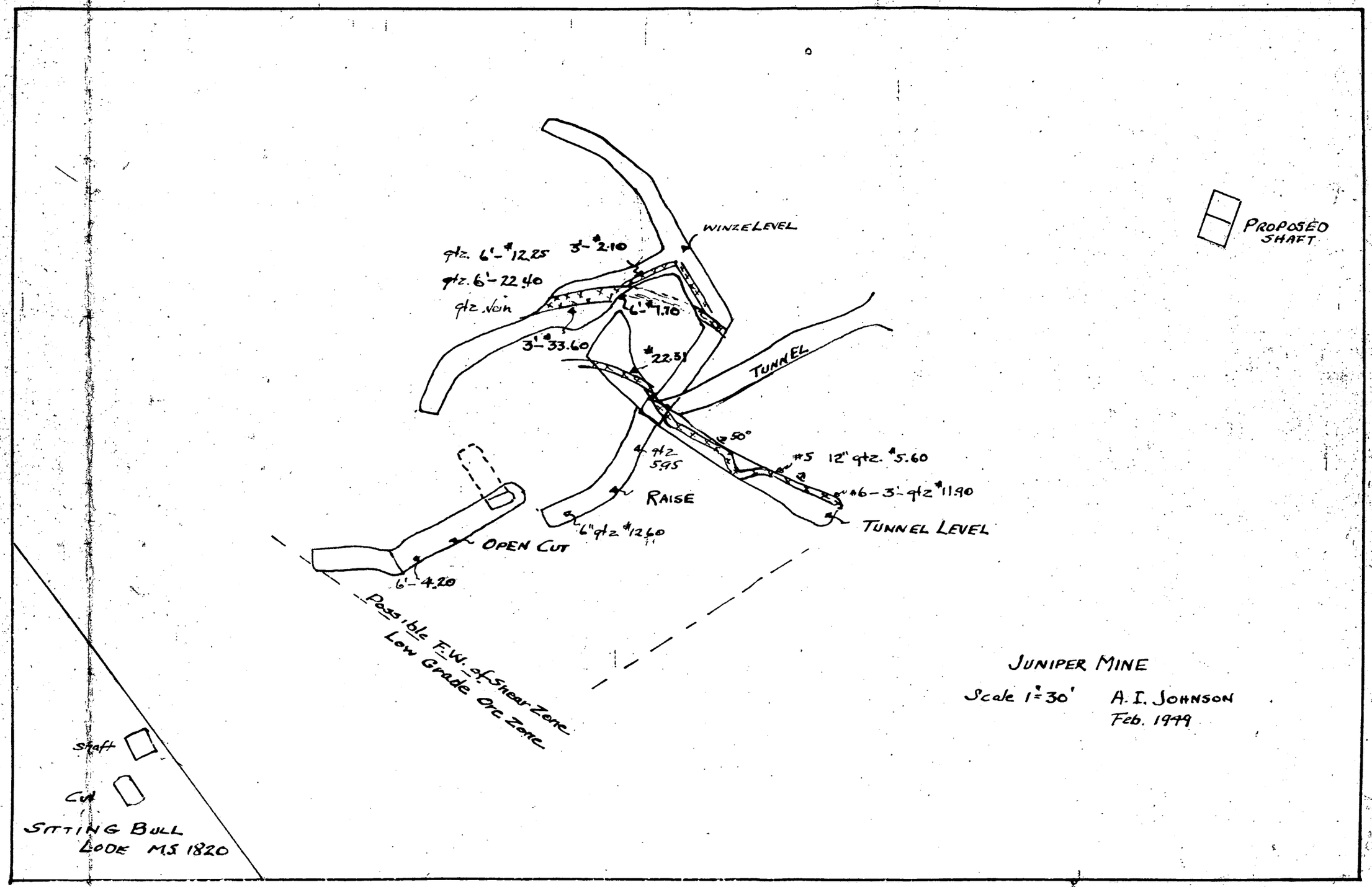
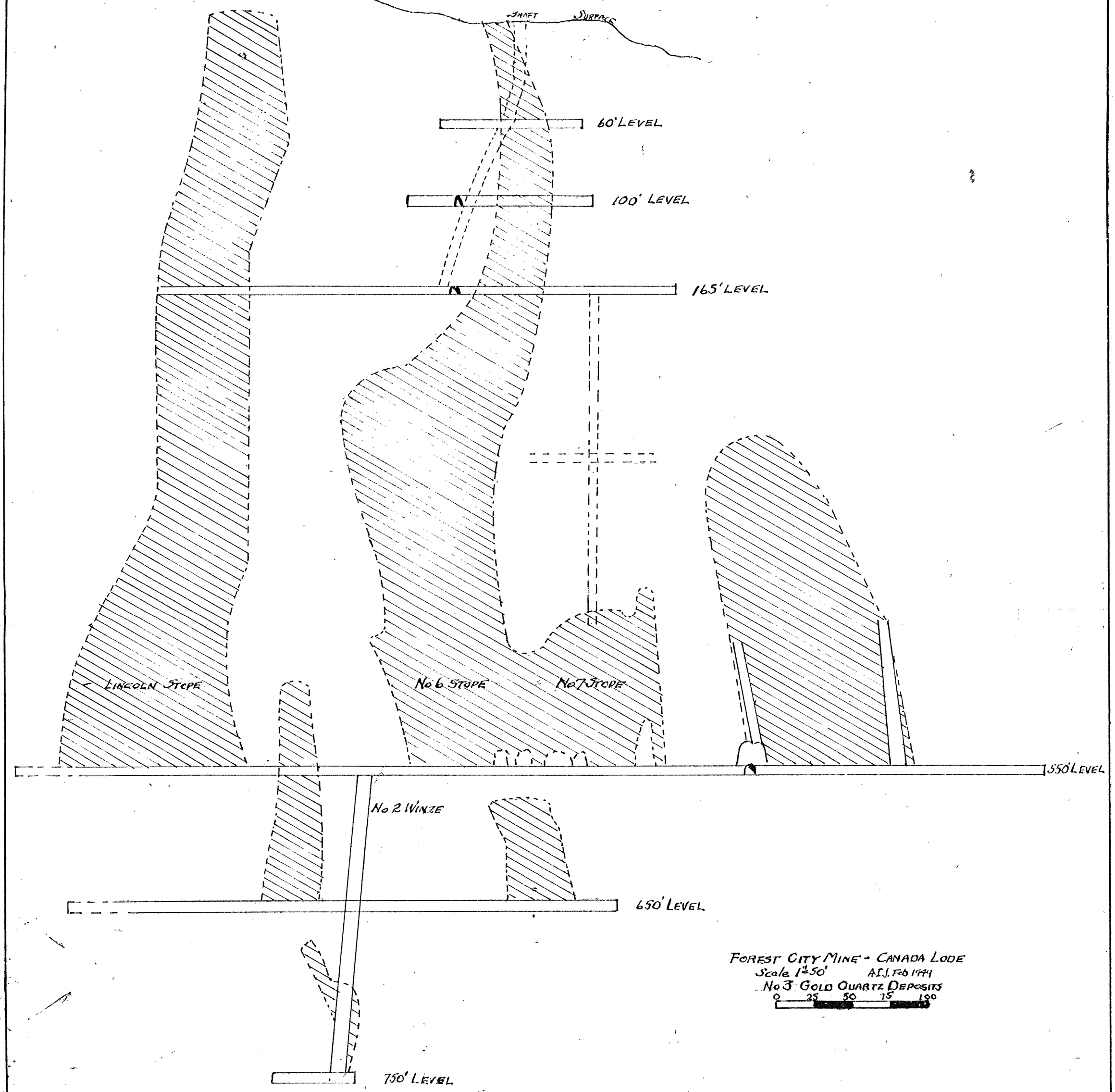

WINZE LEVEL
PROPOSED SHAFT
qtz. 6'-$12.25
3'-$2.10
qtz. 6'-22.40
qtz. vein
6'-$7.10
3'-$33.60
$22.31
TUNNEL
50°
#5 12" qtz. $5.60
4 qtz 5.95
RAISE
#6-3'-qtz $11.90
TUNNEL LEVEL
6" qtz $12.60
OPEN CUT
6'-4.20
Possible F.W. of Shear Zone
Low Grade Ore Zone
Shaft
Cut
SITTING BULL
LODE MS 1820
JUNIPER MINE
Scale 1"=30'
A. I. JOHNSON
Feb. 1949


SHAFT
SURFACE
60' LEVEL
100' LEVEL
165' LEVEL
LINCOLN STOPE
No 6 STOPE
No 7 STOPE
550' LEVEL
No 2 WINZE
650' LEVEL
750' LEVEL
FOREST CITY MINE - CANADA LODE
Scale 1" = 50'
A.I.J. Feb 1949
No 3 GOLD QUARTZ DEPOSITS
0 25 50 75 100

LONGITUDINAL SECTION OF HOLY TERROR MINE

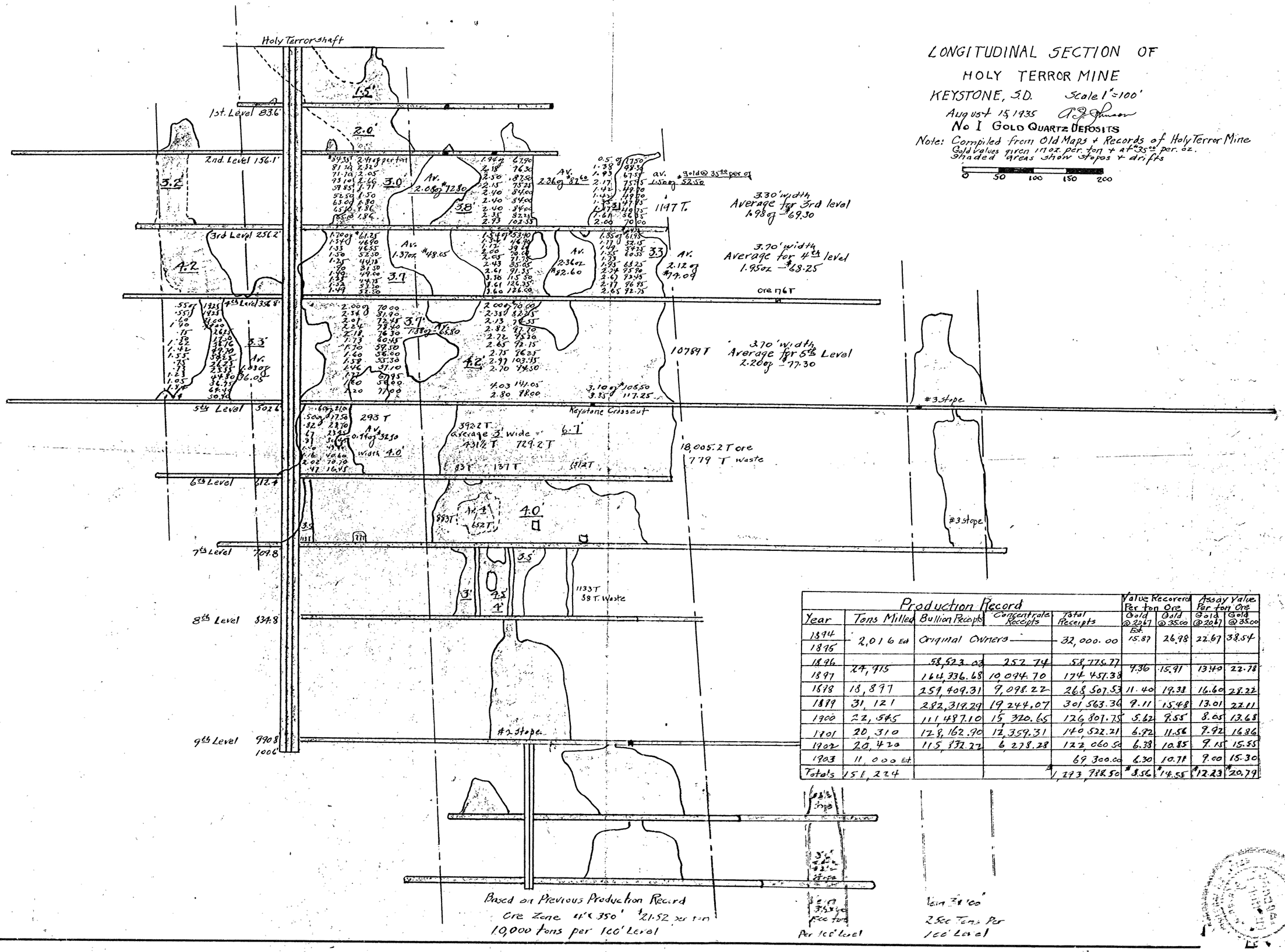
KEYSTONE, S.D. Scale 1"=100'

August 15 1935 A. J. Johnson

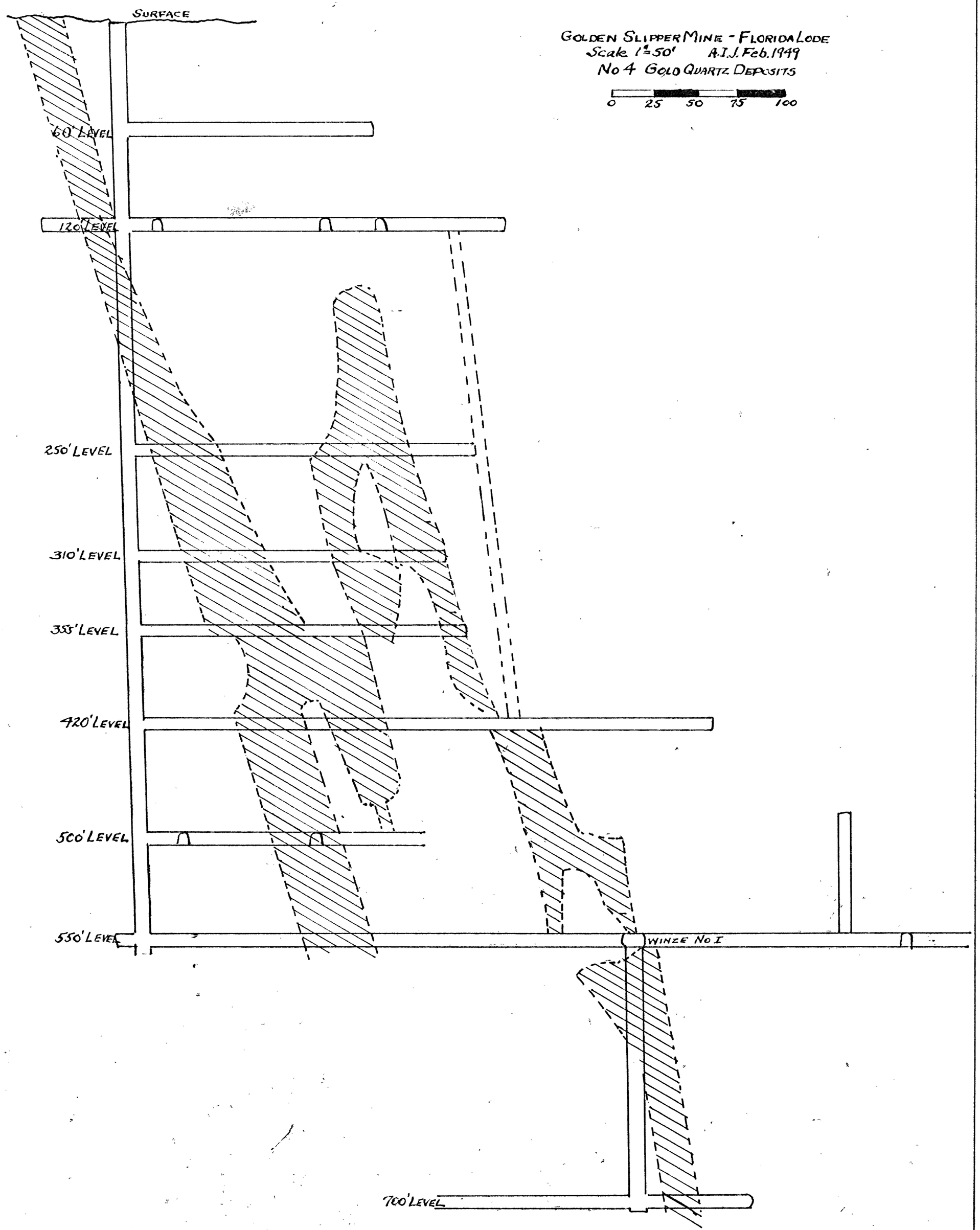
No I GOLD QUARTZ DEPOSITS

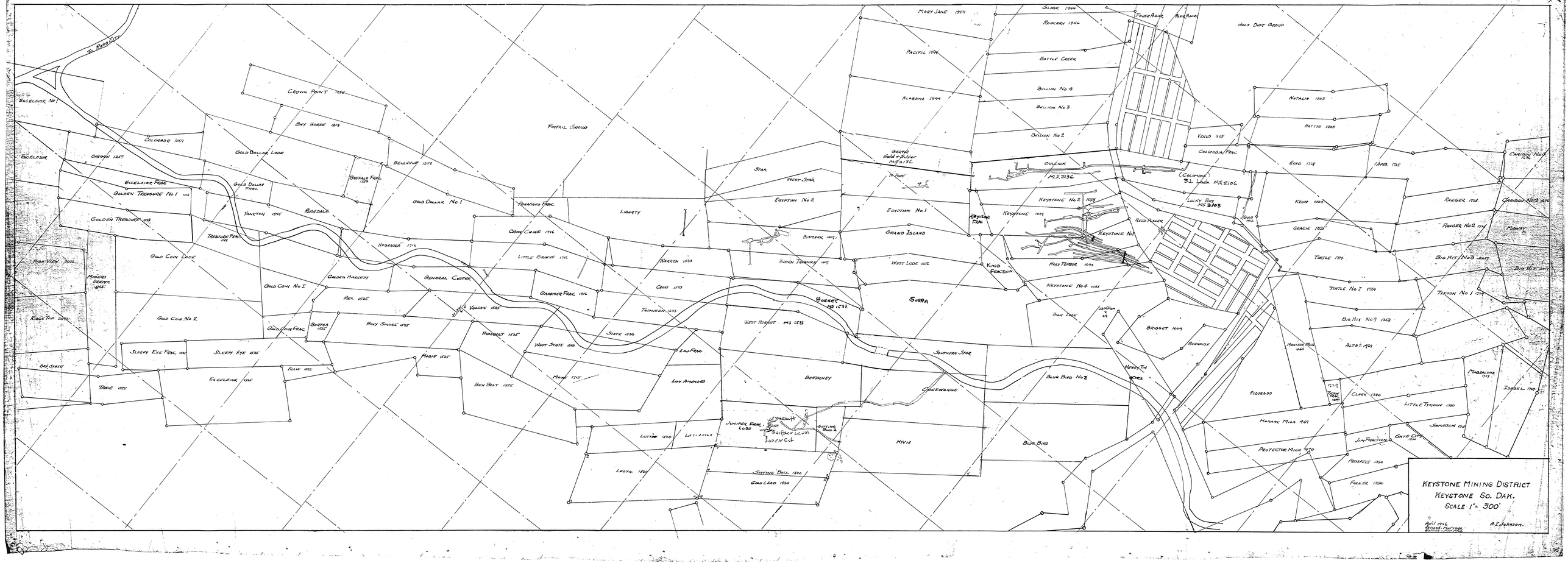
Note: Compiled from Old Maps + Records of Holy Terror Mine
Gold values given in oz. per ton + at $35.00 per oz.
Shaded areas show stopes + drifts

0 50 100 150 200



Production Record					Value Recovered Per ton Ore		Assay Value Per ton Ore	
Year	Tons Milled	Bullion Receipts	Concentrate Receipts	Total Receipts	Gold @ 20.67 Est.	Gold @ 35.00	Gold @ 20.67	Gold @ 35.00
1894	2,016 Est	Original Owners		32,000.00	15.87	26.98	22.67	38.54
1895								
1896		58,523.03	252.74	58,775.77				
1897	24,915	164,336.68	10,094.70	174,451.38	7.36	15.91	13.70	22.78
1898	18,897	259,409.31	9,098.22	268,507.53	11.40	19.38	16.60	28.22
1899	31,121	282,319.29	19,244.07	301,563.36	9.11	15.48	13.01	22.11
1900	22,545	111,487.10	15,320.65	126,801.75	5.62	9.55	8.05	13.68
1901	20,310	128,162.90	12,359.31	140,522.21	6.92	11.56	9.92	16.86
1902	20,420	115,832.22	6,228.28	122,060.50	6.38	10.85	9.15	15.55
1903	11,000 Est			69,300.00	6.30	10.71	9.00	15.30
Totals	151,224			$1,273,738.50	$8.56	$14.55	$12.23	$20.79


GOLDEN SLIPPER MINE - FLORIDA LODE
Scale 1" = 50'
A.I.J. Feb. 1949
No 4 GOLD QUARTZ DEPOSITS
0
25
50
75
100
SURFACE
60' LEVEL
120' LEVEL
250' LEVEL
310' LEVEL
355' LEVEL
420' LEVEL
500' LEVEL
550' LEVEL
WINZE No I
700' LEVEL

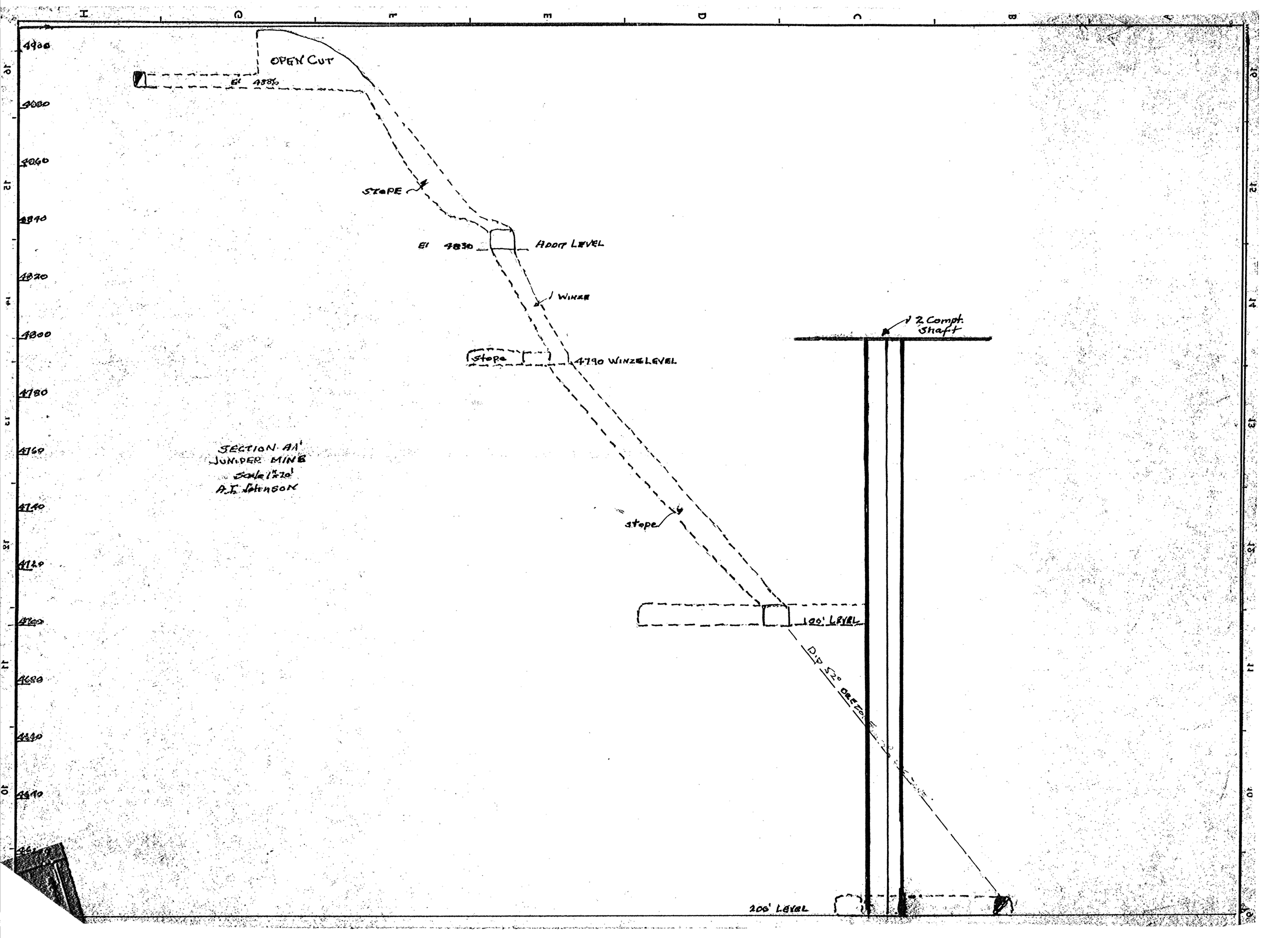

KEYSTONE MINING DISTRICT
KEYSTONE SO. DAK.
SCALE 1" = 300'
April 1956
Revised - May 1956
Revised - Mar 1958
A.E. Johnson.
To Rapid City
Excelsior No 1
Excelsior
Crown Point 1256
Bay Horse 1257
Colorado 1257
Oregon 1257
Gold Dollar Lode
Excelsior Frac
Golden Treasure No 1 1115
Gold Dollar Frac
Buffalo Frac 1259
Bellevue 1258
Gold Dollar No 1
Yankton 1895
Rosedale
Golden Treasure 1898
Treasure Frac 1115
Nebraska 1714
Gold Coin Lode
High View 2072
Miners Dream 1916
Gold Coin No I
Golden Harvest
General Custer
Rock 1525
Ridge Top 2072
Gold Coin No 2
Gold Coin Frac
Bertha 1522
Holy Smoke 1525
Vulcan 1525
Sleepy Eye Frac 1525
Sleepy Eye 1525
Big State
Tarie 1525
Excelsior 1525
Alice 1525
Maple 1525
Ben Bolt 1525
Footail Group
Crown Chief 1714
Little Gracie 1714
Gardner Frac 1714
Pennsylvania Frac
Liberty
Warren 1533
Cross 1533
Thomson 1533
Humboldt 1535
West State 1535
State 1535
Maine 1715
Lou Frac
Lou Amended
Lotta 1520
Lot 1-2.0164
Lotta 1520
Star
West Star
Egyptian No 2
Egyptian No 1
Grand Island
Bismark 1907
Hidden Treasure 1907
West Lode 1512
Hornet MS 1533
West Hornet MS 1533
Juniper Frac Lode
Surface Level
Open Cut
Sitting Bull 1520
Gold Lead 1520
Berthey
Hivis
Mary Jane 1944
Pacific 1944
Alabama 1944
Geetie Gold + Silver MS 2136
N Pole
Sudbury 1944
Rookery 1944
Battle Creek
Bullion No 4
Bullion No 3
Bullion No 2
Bullion MS 2136
Keystone Frac
Keystone No 2 1029
Keystone 1029
Keystone No 1
King Fraction
Holy Terror 1033
Keystone No 4 1033
High Lode
Southern Star
Chinewango
Blue Bird No 2
Blue Bird
Sunrise
Sitting Bull 2
Fouse Bank
Blue Bank
Gold Dust Group
Venus 1155
Columbia Frac
Columbia
33. Lode MS 2106
Lucky Boy MS 2105
Reed Placer
Bridget 1609
Riverside
Henry Tin
Eldorado
Menark Mica 469
Protector Mica 470
Natalia 1303
Hattie 1303
Echo 1738
Fanny 1725
Krupp 1309
Gracie 1025
Turtle 1704
Turtle No I 1704
Big Hit No 7 1353
Alta K 1923
Clark 1390
Jim Fraction
Gate City 1394
Prospect 1350
Fuller 1350
Little Tyrion 1396
Jamison 1396
Caribou No 1 1696
Caribou No 4 1696
Ranger 1718
Ranger No 2 1719
Midway
Big Hit No 3 2017
Big Hit 2017
Tyrion No 1 1719
Magdalena 1717
Isabel 1717

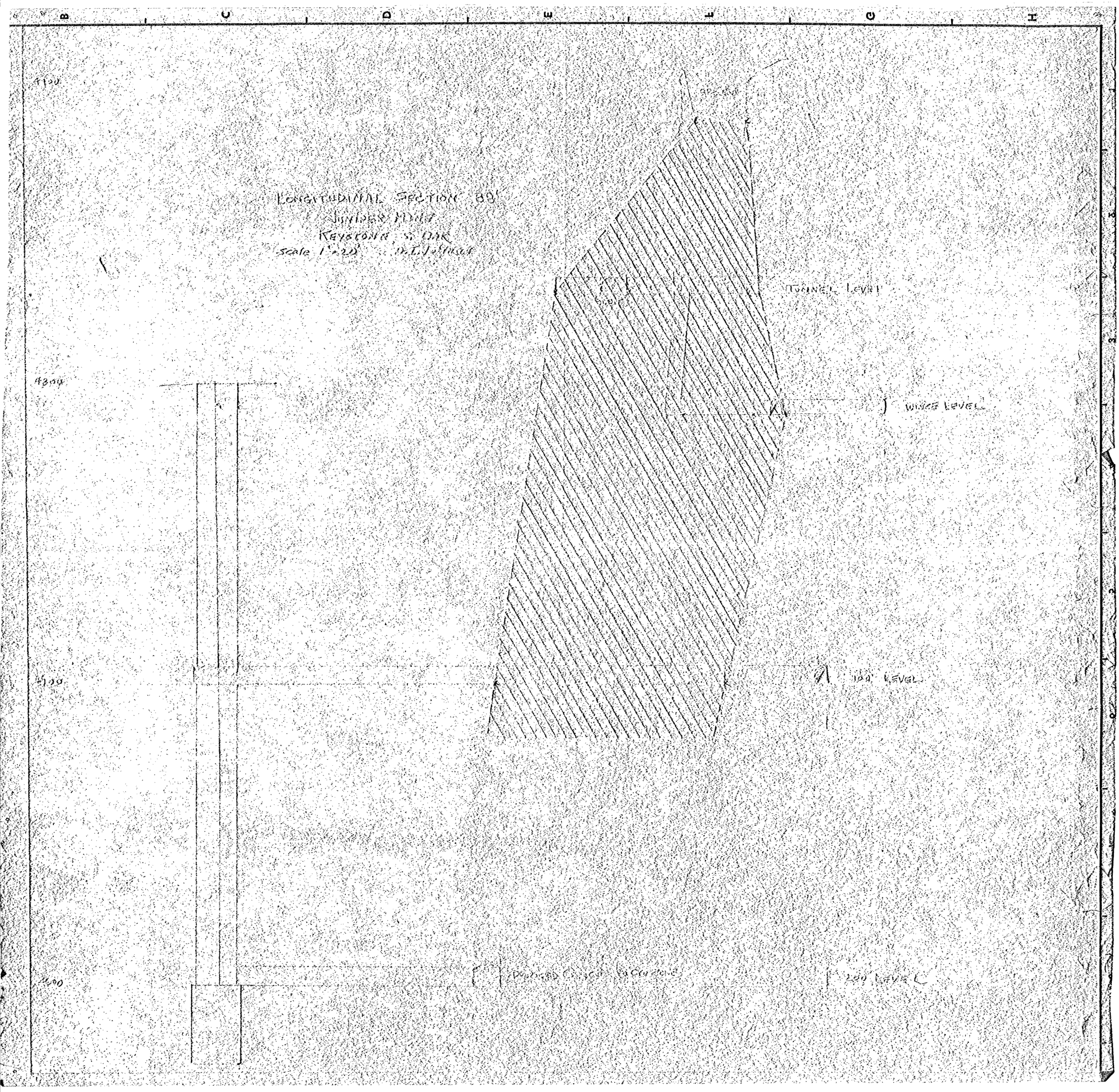
Record of Holy Terror Mine

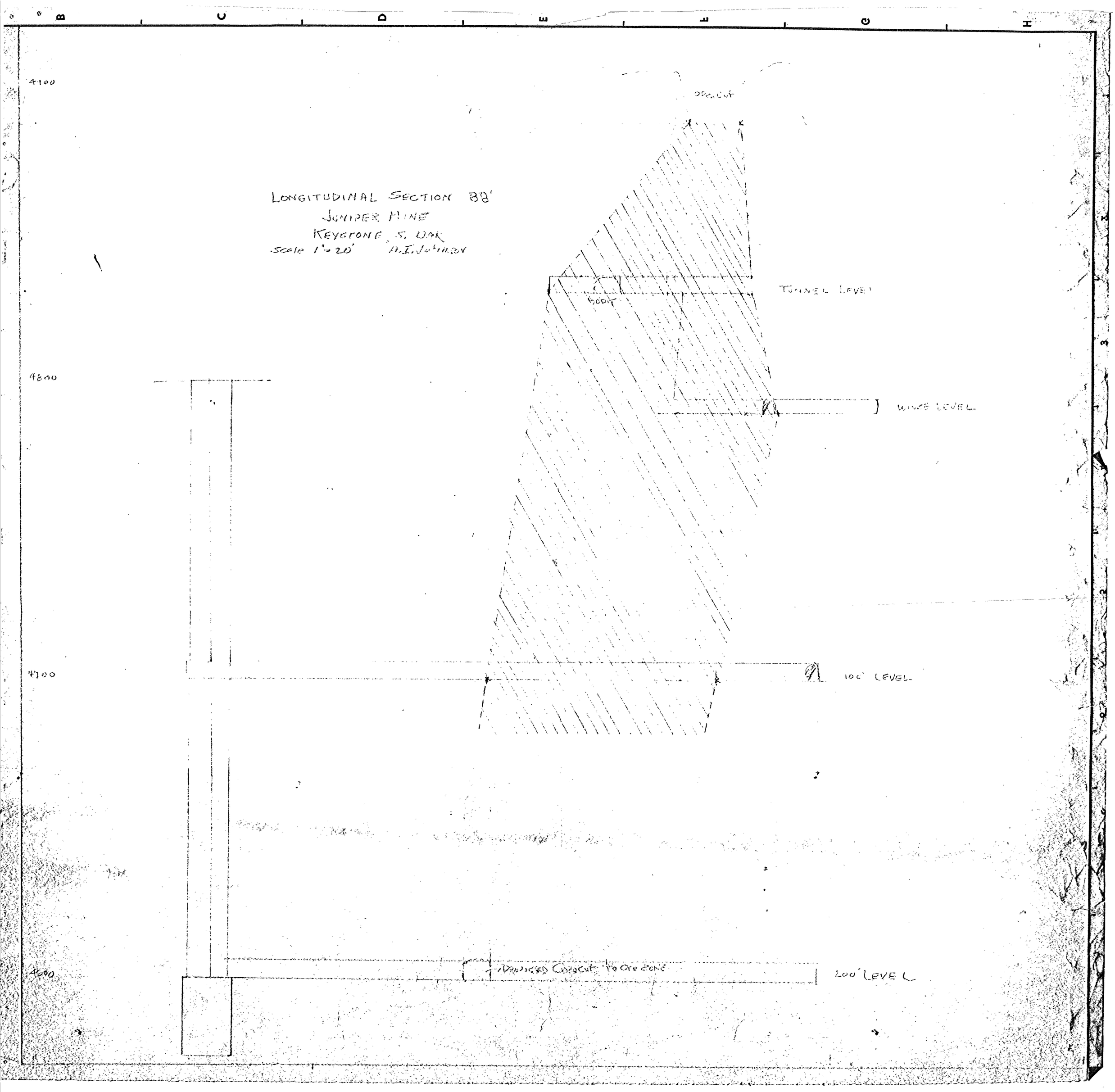
Date	Bullion Receipts	Concentrates Receipts	Tons Milled	Tons of Conc. Produced	oz. of Bullion or Amalgam	Total Receipts	Mine Labor	Mine Repairs + Supplies	Explosives	Mine Fuel	Mine Timber	Mine Misc. Expenses (c)	Insurance Taxes + Interest	Legal + General + Office Expense	Mill Labor	Mill Fuel	Mill Repairs + Supplies	Mining Costs Per Ton	Milling Costs Per Ton
1894						$32,000 (a)													
1895																			
1896	$68,523.03	$252.74	24,915 (b)			58,775.77													
1897	164,356.68	10,094.70				174,451.38													
1898	259,409.31	9,098.22 Inv. 5374.00	18,897	18.89		268,507.53	56,219.66	6,609.83	5,089.21	12,007.40	3,315.82	1,365.75	1,786.07	7,269.42	12,809.86			$5.00	$0.76
1899	280,219.29	13,870.07	31,121			301,563.36			8,145.34			2,344.66	3,104.44	7,636.44					
Jan. 1900	13,835.59		3014				6,735.26	682.30	636.10	969.71	1001.67	170.69		723.75	1158.77	323.22	963.31		
Feb. "	18,618.71		2822				7,402.52	476.22	848.80	3830.59	573.14	267.10	290.12	718.12	1141.44	1198.03	264.77		
Mch. "	16,570.03	1800.00	2744	109.427			8,155.38	739.53	1138.90	2114.33	194.85	130.52		584.20	1186.81	704.75	808.32		
Apr. "	15,159.69	Inv. 4005.00 K 2850.00	1656	27.500			8,246.38	824.94	2520.84	2458.78	635.02	413.73	157.50	819.65	1494.98	819.58	482.85		
May "	9,410.06	1500.00	1784	16.764			7,358.20	395.15	949.06	1137.26	18.17	409.21	662.47	664.82	1340.01	379.87	502.90		
June "	11,127.40	5/1 – 6/9 1878.53	1471	18.913			4991.74	407.50	817.05	1700.80	124.51	540.83		888.67	983.49	679.72	712.01		
July "	2121.41	394.58	None shut down				4,892.65	602.49	524.30	1268.89	96.51	429.66		561.10	749.68	422.96	215.02		
August "	Inv. 892.90 2800.00		2097				5,527.47	351.92	816.40	1347.99	258.07	236.44		406.32	774.36	449.35	119.24		
Sept. "	6988.20	6/9 – 8/13 1810.98	1594	20.879			5,322.04	369.20	600.42	1687.04	98.66	189.48	405.00	817.15	784.97	562.36	162.41		
Oct. "	2781.59	19.32 1214.59	1543	21.229			5,250.20	396.58	764.81	1929.98	117.99	222.86	101.25	625.96	877.51	643.33	108.76		
Nov "	5329.96		1885				3,731.75	297.58	441.90	485.82 1919.82	83.33	180.30		602.11	857.53	639.83	167.74		
Dec. "	7732.47		1935	20.049			4,351.44	75.66	569.46	1792.22	68.36	369.02		580.81	943.81	553.52	116.63		
Totals 1900	113,587.10	29,395.31	22,545	229.961		126,507.25	72,833.02	5,175.53	10,627.24	19,527.82	1,757.57		1,063.57	7,993.92	18,293.26	6,399.32	4,610.30	4.94	1.30
Jan. 1901	6,375.98		1718		1135	6375.98	4474.94	129.94	578.56	1857.12	77.46			384.30 673.97 F 281.81	760.70 151.21 817.90	508.66	82.84 163.03		
Feb.	7,620.57		1665		1294	7620.57	3479.60	172.71	306.19	1689.22	107.99		7.87	721.06 181.41	150.40 897.55	462.65	148.04		
Mar.	8,118.74	3081.19	2166		1410	11,199.93	4546.16	280.03	369.14	1803.60	99.46	78.53		622.05 126.27	154.90 785.20	493.98	144.62		
Apr.	10,911.95		1738		1992	10,911.95	4766.42	438.19	322.06	1941.59	113.08	66.06	157.50	650.98 295.77	148.83 814.53	531.23	304.91		
May	17,356.48		1686		2598	17,356.48	4792.77	402.55	360.03	1898.45	180.51	71.15	192.92	661.10 576.79	157.00 811.65	519.96	109.40		
June	13,295.25	4295.36	1541		2099	17,590.61	4865.23	367.04	359.09	1999.17	99.04	76.23		988.13 317.23	163.49 765.50	547.56	373.09		
July	10,394.70		1628		1732	10,394.70	4852.07	287.40	506.37	2241.60	140.21	71.15		547.54 137.33	170.68 747.50	615.95	112.23		
Aug.	12,810.16		1696		2113	12,810.16	4975.61	299.03	520.91	2225.51	87.20	71.15	19.32	577.53 77.40	173.44 693.25	609.56	66.77 111.94		
Sept.	14,121.77		1523		2293	14,121.77	5536.25	317.69	398.79	2826.51	200.51	71.50	407.25	639.98 10,165.04	108.45	367.30	307.52 P.		
Oct.	6,313.85		1416		1201	6,313.85	5144.31	673.41	309.28	2868.83	153.46	60.98	31.10	1038.79 1,084.45	778.06	372.79	236.58 214.98		
Nov.	9,798.84		1598		1821	13,263.38	5159.81	277.92	422.30	2949.78	78.86	86.40	2540.15 (1900 + 1901)	334.01	850.54	383.28	97.73 31.79		
Dec	11,044.61	$5000.00 K Conc.	1845		1845	11,044.61	5226.16	380.78	609.74	2915.28	80.35	91.41	16,992.55	621.52 966.13 13,009.38 Cr 27,278.90 Cr	752.11 148.44	597.10	629.64 85.05		
Total-1901	128,162.90	12,359.31	20,310		21,530	140,539.98	57,817.33	4,026.69	5,062.44	27,216.66	1418.13	744.56	20,348.66	8,421.30	11,001.28	6,010.02	3,220.16	4.74	1.00
Jan. 1902	8,611.37		1887		1348	8,611.37	660.89 5357.35	413.44	771.51	2958.25	107.02	117.66	445.00	208.13 533.60	118.46 1195.60	530.25	29.36 123.38		
Feb.	7,971.90	501.48	1884		1441.5	5,473.38	741.92 5522.65	679.49	884.93	2644.70	140.43	110.00	34.54	637.36	784.40 132.98	474.05	55.49 511.23		
Mch.	8,743.03		1834		1985	8,743.03	830.53 5277.10	340.01	771.34	3262.08	147.90	107.25		800.25	781.95 146.67	575.67	71.49 129.20		
Apr.	15,640.72		1996		2544½	15,640.72	798.55 4735.60	322.96	610.30	3383.19	92.42	105.60		683.22	831.25 852.10	644.45	30.96 366.92		
May	18,842.22		2164		2981	18,842.22	765.03 4542.05	1144.91	693.02	3199.45	88.56	75.90	238.00 3.38	533.84	148.72 833.75	609.42	55.14 517.69		
June	13,063.21		1655		707.45	13,063.21	828.50 5054.80	651.82	910.34	3117.24	82.40	96.14		569.49	157.80 806.00	593.77	249.50 271.66		
July	10,086.49	198.57			546.55	10,285.07	852.54 4780.85	465.25	646.49	3354.16	73.20	57.65		560.13	116.26 862.05	457.41	75.91 273.00		
Aug	9,036.35	2383.41			486.05	11,419.76	899.52 4995.65	522.24	833.24	3272.69	86.56	118.20	18.18	548.51	146.43 825.38	533.17	226.79 134.05		
Sept	8,021.48				434.50	8,021.48	753.52 4069.60	614.36	633.01	3138.00	72.54	12.00 77.00	468.00	620.60	132.98 847.25	553.11	80.72 82.02		
Oct.	9,461.01	1538.05	9000	Est	505.35	11,019.06	741.25 5542.20	1050.71	529.40	3172.29	135.01	79.33	117.00	698.47	130.80 806.20	559.89	13.29 255.65		
Nov	6,354.44				368.05	6,354.44	706.94 2876.87	290.70	439.14	2835.01	27.15	10.00 58.39	300.00	529.86	78.57 555.50	315.00	70.01 98.90		
Dec		1586.77				1,586.77	713.90 2253.40	123.56	219.14	2795.45	108.21	67.00	68.92 4500.00	457.41	11.75		26.00 23.31		
Total 1902	115,832.22	6,228.28	20,420			122,060.50	62,292.21	6,618.89	7,941.86	6,618.84	1,161.40	1,086.12	6,193.02	7,374.87	10,599.80	5,846.19	3,871.87	5.53	1.05

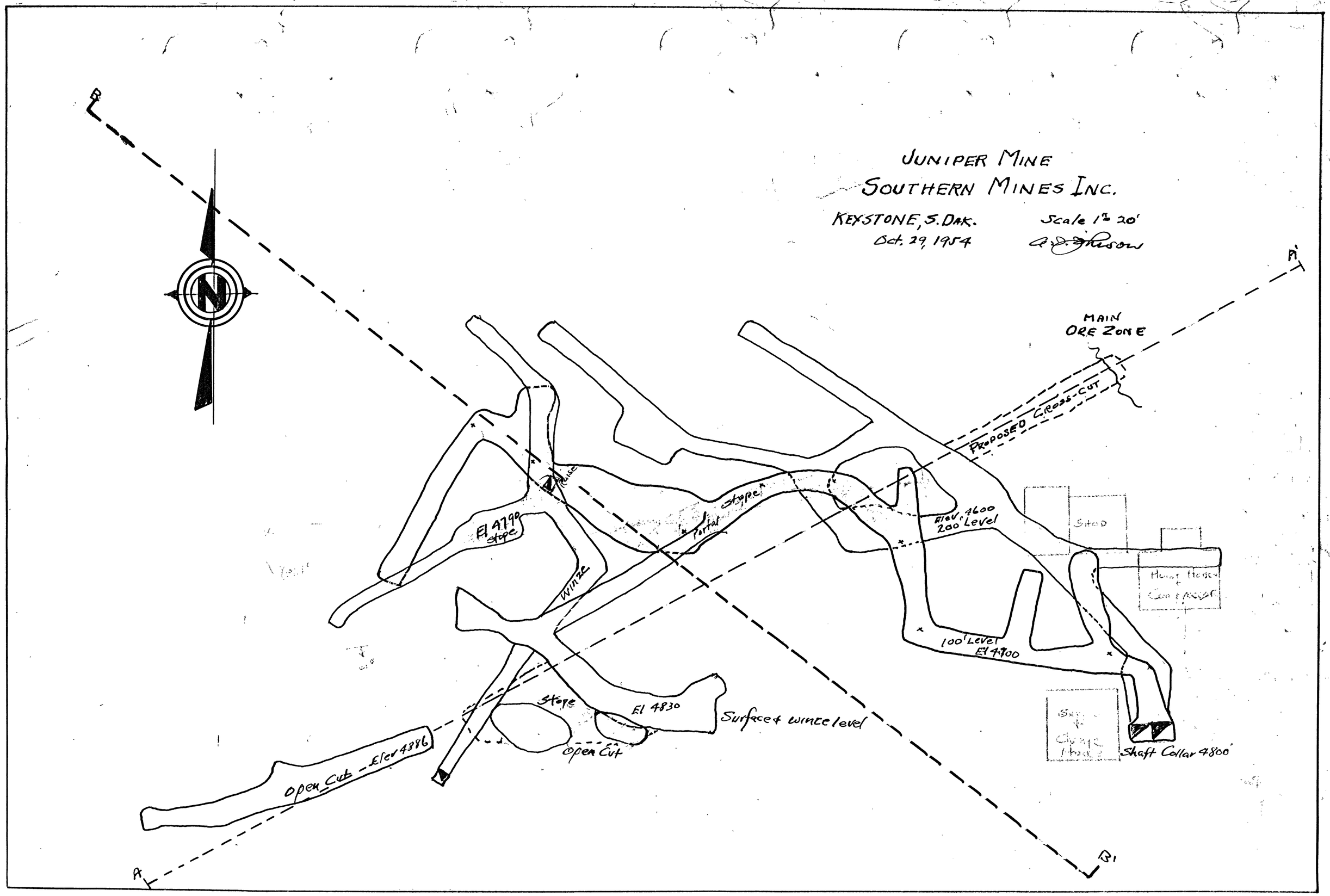
July 13 1940 To Dec 31, 1940	54,136.15	11,288	54,136.15	
Jan 1 1941 To Dec 31st	155,410.66	31,894 631.524 v	155,410.66	
Jan 1 1942	63,249.67	17,614	63,249.67	
Sept. 10, 1942		199,004 Tons Total	$1,494,552.25 Value	3,152

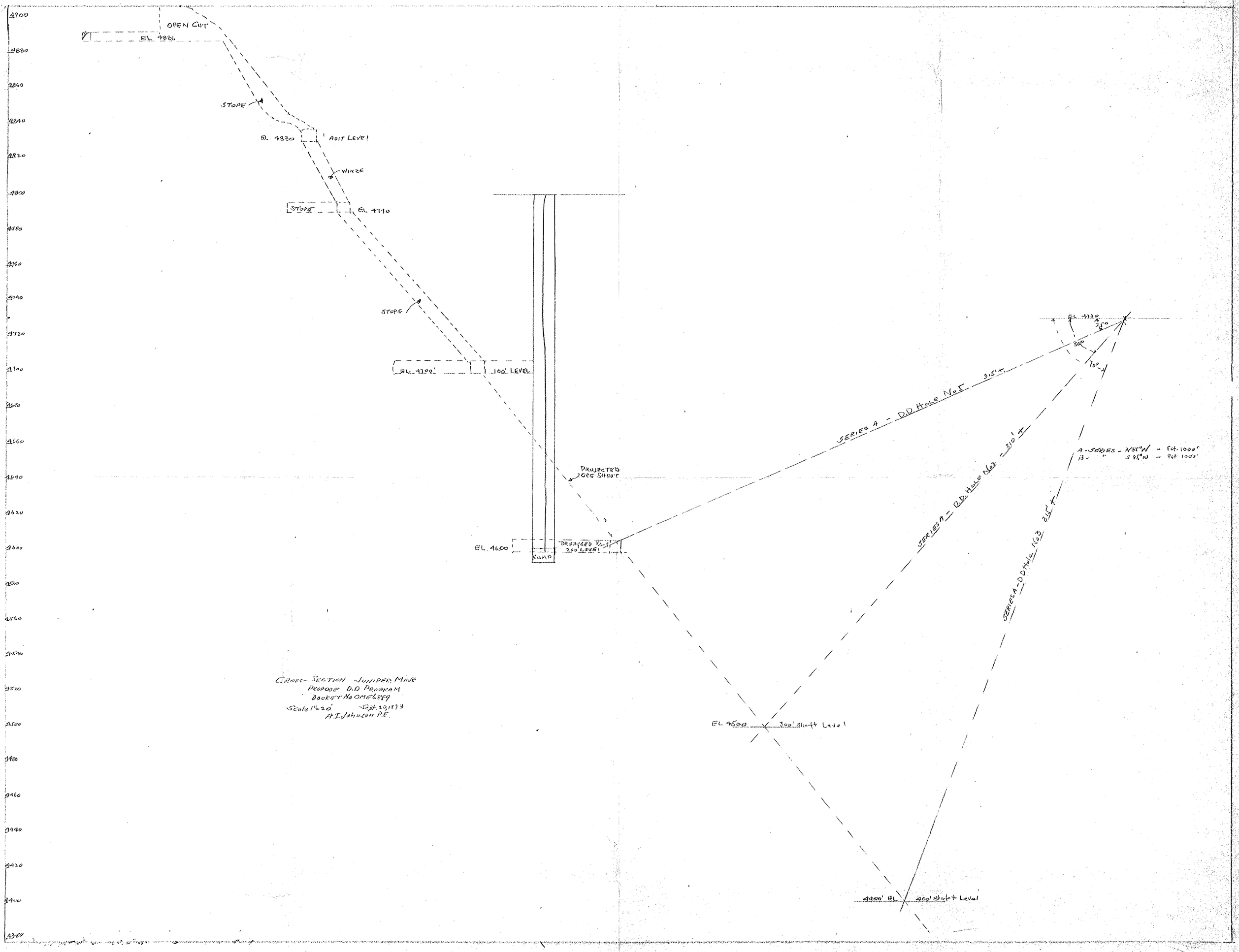
All Figures Taken from Record Book Kept by the Holy Terror Mining Co.
C. J. Johnson


4900
4880
4860
4840
4820
4800
4780
4760
4740
4720
4700
4680
4660
4640
4620
OPEN CUT
El 4886
STOPE
El 4830
ADIT LEVEL
WINZE
Stope
4790 WINZE LEVEL
stope
100' LEVEL
D.P. 52° ORE ZONE
200' LEVEL
2 Compt. Shaft
SECTION AA'
JUNIPER MINE
Scale 1"=20'
A.T. Johnson


B
C
D
E
F
G
H
4100
LONGITUDINAL SECTION 88'
JUNIPER MINE
KEYSTONE, S. DAK.
scale 1"=20'
TUNNEL LEVEL
4300
WINZE LEVEL
4200
100' LEVEL
4100
200' LEVEL

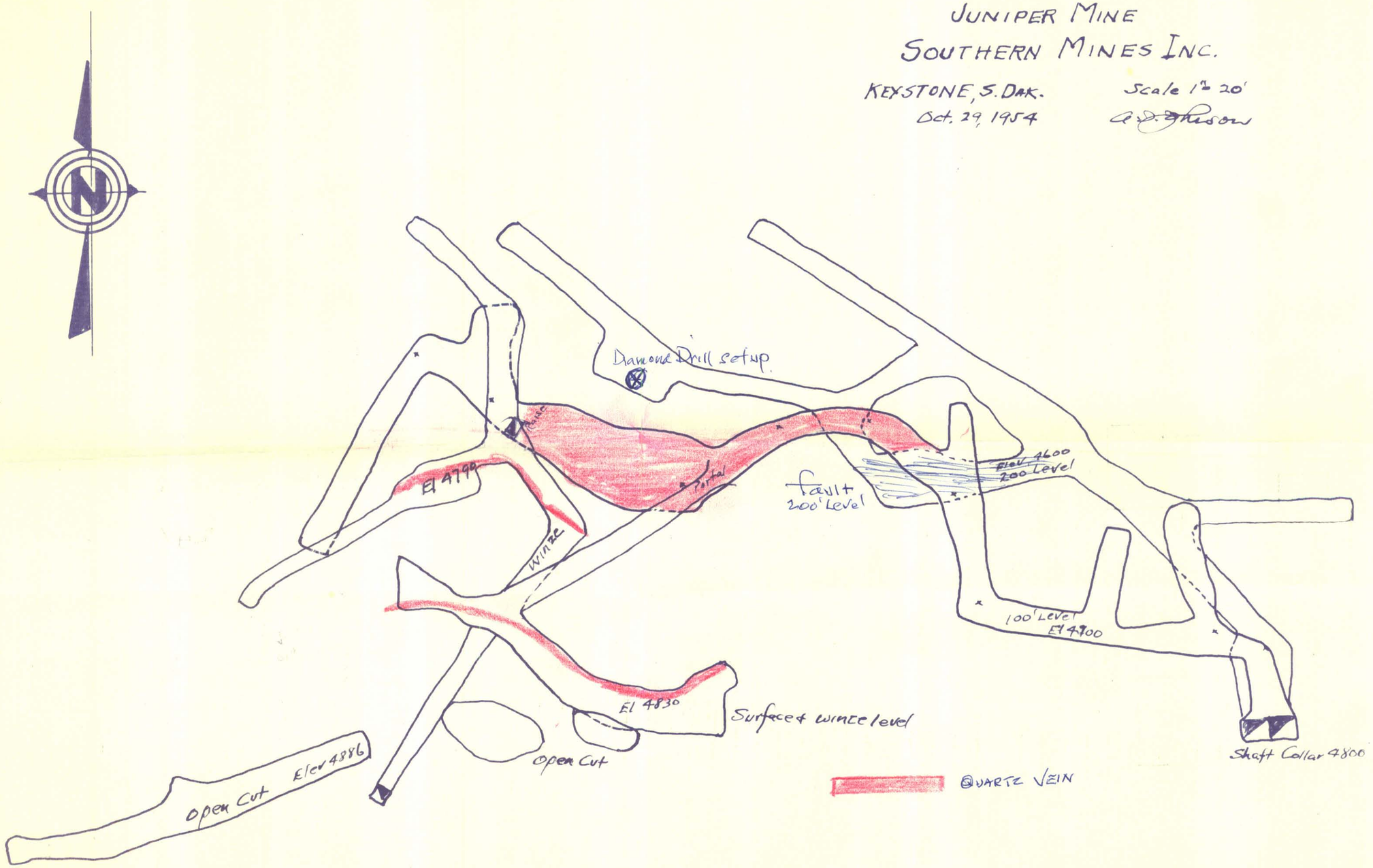

LONGITUDINAL SECTION BB'
JUNIPER MINE
KEYSTONE, S. DAK
Scale 1" = 20'
A.I. Johnson
4900
4800
4700
4600
OPEN CUT
TUNNEL LEVEL
500 FT
WINZE LEVEL
100' LEVEL
200' LEVEL

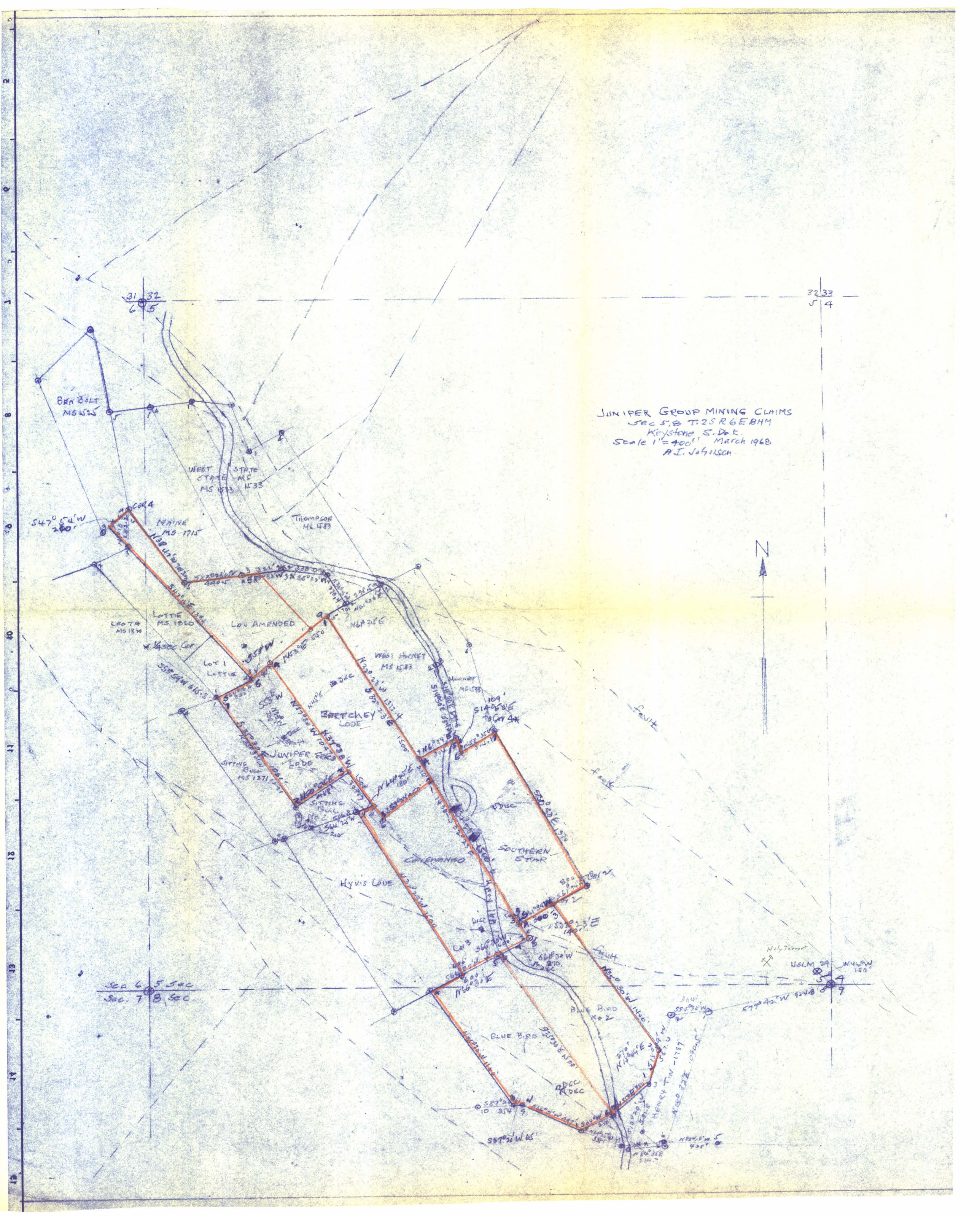

JUNIPER MINE
SOUTHERN MINES INC.
KEYSTONE, S. DAK.
Oct. 29, 1954
Scale 1" = 20'
N
B
B'
A
A'
MAIN ORE ZONE
PROPOSED CROSS-CUT
Raise
El 4790 Stope
Portal
Stope
Winze
Elev. 4600 200' Level
Shop
Hoist House & Compressor
100' Level El 4700
Stope
El 4830
Surface & winze level
Open Cut
Open Cut - Elev 4886
Shaft Collar 4800'


4900
4880
4860
4840
4820
4800
4780
4760
4740
4720
4700
4680
4660
4640
4620
4600
4580
4560
4540
4520
4500
4480
4460
4440
4420
4400
4380
OPEN CUT
EL. 4886
STOPE
EL. 4830
ADIT LEVEL
WINZE
STOPE
EL. 4740
STOPE
EL. 4700
100' LEVEL
PROJECTED ORE SHOOT
EL. 4600
PROPOSED 200' LEVEL
SUMP
SERIES A - DD HOLE No 5 315'±
SERIES A - DD HOLE No 2 310'±
SERIES A - DD HOLE No 3 315'±
EL. 4730
30°
70°
A - SERIES - N 85°W = Est. 1000'
B - " S 85°W = Est. 1000'
EL 4500 300' Shaft Level
4400' EL 400' Shaft Level
CROSS-SECTION JUNIPER MINE
PROPOSE D.D PROGRAM
DOCKET No OME 6889
Scale 1"=20' Sept. 20, 1973
A. Johnson P.E.

JUNIPER MINE
SOUTHERN MINES INC.
KEYSTONE, S. DAK.
Oct. 29, 1954

Scale 1" = 20'
A. D. Johnson




JUNIPER GROUP MINING CLAIMS
SEC 5,8 T.2S R.6E BHM
Keystone S. Dak.
Scale 1" = 400' March 1968
A.I. Johnson
N
BEN BOLT MS 1525
WEST STATE MS 1583
STATE MS 1533
THOMPSON MS 1583
MAINE MS 1715
LOTTIE MS 1820
LEOTA MS 1820
LOU AMENDED
LOT 1 LOTTIE
WEST HOOVER MS 1583
HOOVER MS 1583
BERTCHEY LODE
JUNIPER LODE
SITTING BULL MS 1271
SITTING BULL NO 2
COVENANTED
SOUTHERN STAR
HYVIS LODE
BLUE BIRD
BLUE BIRD NO 2
HENRY TN-1787
fault
Holy Terror
USLM 29
Sec 6 5 Sec
Sec. 7 8 Sec.