010

DIAMOND DRILLING

TOWNSHIP: HARKER

REPORT NO: 70

WORK PERFORMED FOR: AMERICAN BARRICK RESOURCES CORP

RECORDED HOLDER: **SAME AS ABOVE** [X]

: **OTHER** [ ]

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
L802672	MC91-710	249.94 m	Feb 91	(1)
L802672	MC91-711	238.4 m	Feb/Mar 91	(1)
L641390	MC91-712	36.58 m	Mar 91	(1)
L641390	MC91-712A	244.8 m	Mar 91	(1)
L802671	MC91-713	204.5 m	Mar 91	(1)
	5 Holes	974.22 m		

NOTES: (1) W 9180.05110

AMERICAN BARRICK RESOURCES CORPORATION

Property: WEST BLOCK
Township: HARKER
Claim: L802672
NTS: 32D/5,12

DIAMOND DRILL RECORD

Hole #: MC.91-710

Survey Co-ords: 2200.4 10380.2
Cut-Grid Co-ords: 2200E 10380N
Section: 2200E
Elevation: 5011.0
Measurement: METRIC

Date Logged: FEB. 22-28, 1991
Logged by: G. BASCHUK
Signature:

Azimuth: 43.6
Dip: -50.0
Length: 249.9

Contractor: PHILIPPON
Core Size: BQ
Date Started: FEB. 20, 1991
Date Completed: FEB. 26, 1991

Core Stored At: HOLT-McDERMOTT MINE
Comments: 9.14M OF CASING PULLED

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-49.0	137.16		-48.5	228.60		-49.0
91.44		-48.5	182.88		-48.5	249.94		-49.0

----------Log Summary----------

.00 15.85 CASING -13.11 m of OVERBURDEN.

15.85 22.33 SYENITE.

22.33 30.80 HIGH MAG BASALT.

30.80 35.18 SYENITE.

35.18 38.09 HIGH MAG BASALT.

38.09 49.99 SYENITE.

49.99 53.66 HIGH MAG BASALT.

53.66 74.92 SYENITE.

74.92 159.16 HIGH MAG BASALT.

159.16 162.77 SYENITE.

162.77 197.33 HIGH MAG BASALT.

197.33 206.85 SYENITE.

206.85 212.49 BASALT.

212.49 233.82 SYENITE.

233.82 249.94 HIGH MAG BASALT.

249.94 END OF HOLE.

Ontario **Action Memo**

Time

Date 92 02 04

To

From (Name and City)

T.C.N. No.	Area Code	Telephone No.	Ext.	Message Taken By
				RJS

☐ Phoned ☐ Please Call ☐ Will Call Back ☐ Waiting In Person ☐ Will Return
☐ On Hold ☐ Returned Your Call ☐ Wishes Appointment ☐ Was Here

☐ File ☐ Draft Reply For My Signature ☐ Provide More Details ☐ For Your Information
☐ Type Draft ☐ For Your Approval and Signature ☐ Keep Me Informed ☐ Per Discussion
☐ Type Final ☐ Circulate, Initial and Return ☐ Take Appropriate Action ☐ Per Your Request
☐ Make Copies ☐ Return With Comments ☐ Note and See Me ☐ Returned With Thanks
☐ Please Answer ☐ Investigate and Report ☐ Note and Return ☐

Comments:

Legend

%Sul = SULPHIDE PERCENTAGE

GW Grade Width

Au g/t Gold grams/TON

7540-1452 ☐ Over

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	15.85	CASING							
			91781	13.11	14.39	1.28	TR-1	.000	nil
			91782	14.39	15.37	.98	TR-1	.000	nil
			91783	15.37	15.85	.48	TR	.005	.01
.00	13.11	OVERBURDEN.							
13.11	14.39	SYENITE. Pink red, fine grained intrusive. The central section is red and possibly hematized with 1 to 2% pyrite in isolated blebs commonly as an alteration of magnetite. Locally pyrite is noted within stringers or late stage fractures. 38% core recovery within the interval. Lower contact is at 60 degrees to the core axis. The contact is sharp but a second, narrow syenite continues subparallel to core axis for 15 cm.							
14.39	15.37	Fine grained massive flow HIGH MAG BASALT. Dark green, strongly magnetic flow with trace to 1% finely disseminated pyrite. Localized pale green blebs up to 5 mm noted, possibly feldspar. These are hard and irregularly shaped. At the lower 15 cm the texture is equigranular and sub-ophitic.							
15.37	15.85	SYENITE. Fine grained, pink red with 3% black magnetite grains throughout. Traces pyrite as an alteration to magnetite. Contacts are sharp at 80 and 24 degrees to the core axis. Rare feldspar phenocrysts up to 8 mm long are noted.							
15.85	22.33	SYENITE							
			91784	15.85	16.46	.61	TR-1	.006	.01
			91785	16.46	17.28	.82	TR-1	.008	.01
			91786	17.28	17.90	.62	TR	.000	nil
			91787	17.90	18.85	.95	TR-1	.000	nil
			91788	18.85	19.85	1.00	TR	.000	nil
			91789	19.85	21.00	1.15	TR	.011	.01
			91790	21.00	22.33	1.33	TR	.000	nil
15.85	16.46	Fine grained massive flow ? mafic intrusive. Dark green, strongly magnetic, strongly pervasively carbonatized and foliated at 65 degrees to the core axis. Minor purple hued, hard alteration near base containing trace to 1% pyrite.							
16.46	17.28	Biotitic. Fine grained, gneissic section with 10% biotite, minor chlorite and trace to 1% pyrite. Weakly magnetic. This may be a separate intrusive. Upper contact is at ground core, lower is sharp at 40 degrees to							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		the core axis.							
		17.28 22.33 Fine to medium grained. Pink red, weakly magnetic intrusive with the center medium grained with feldspars up to 3 cm. These are moderately fractured along cleavage planes and hematite filled. Traces pyrite noted. From 17.9 to 18.85 m biotitic intrusives are noted and a 18 cm section of fine grained massive flow.							
22.33	30.80	HIGH MAG BASALT							
			91791	22.33	23.24	.91	TR-1	.000	nil
			91792	23.24	23.93	.69	TR	.000	nil
		22.33 30.80 Fine grained massive flow. Dark green, strongly magnetic, locally pervasively carbonatized (generally at top) and cut by biotite rich pink to grey white feldspar rich intrusives. Pyrite is generally rare but noted within narrow, white, biotite rich intrusives.	91793	23.93	25.10	1.17	TR-1	.105	.09
		23.24 23.93 SYENITE. Fine to medium grained, pink red intrusive with traces of pyrite. Weakly fractured and weakly magnetic. Contacts are sharp at 30 and 50 degrees to the core axis.							
30.80	35.18	SYENITE							
			91794	31.82	32.82	1.00	TR	.010	.01
			91795	32.82	33.20	.38	TR-1	.042	.11
		30.80 35.18 Fine grained. Pink purple hued, patchy intrusive with weakly hematitic central section. The purple hue is due to hematite. Contacts at 35 and 60 degrees to the core axis.	91796	33.20	34.20	1.00	TR	.100	.10
		32.82 33.20 Fractured possibly a fault gouge subparallel to core axis. Syenite is weakly bleached with trace to 1% finely disseminated pyrite.							
35.18	38.09	HIGH MAG BASALT							
			91797	36.59	37.19	.60	TR	.000	nil
		35.18 38.09 Fine grained massive flow. Same as described above from 22.33 to 30.80 m. Locally patches of 80% biotite are noted associated with							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		minor carbonatization. These are near stringers of syenite.							
38.09	49.99	SYENITE							
			91798	47.20	48.20	1.00	TR	.000	nil
			91799	48.20	49.20	1.00	TR	.000	nil
38.09	49.99	Fine grained green pink intrusive with minor sericite. From the upper contact to approximately 47.2 m the rocks are relatively uniform with patchy hematitic alteration adjacent to magnetite blebs. Upper contact of syenite is sharp at 25 degrees to the core axis. From 47.2 to the lower contact minor green hue is noted due to sericite. Minor bluish coloured possible feldspars noted - plagioclase. Lower contact is sharp at 10 degrees to the core axis.	91800	49.20	49.99	.79	TR	.008	.01
49.99	53.66	HIGH MAG BASALT							
			91801	49.99	50.59	.60	TR-1	.066	.11
			91802	50.59	51.59	1.00	TR-1	.100	.10
49.99	53.66	Fine grained massive flow. Dark grey green, commonly fractured unit with 5% quartz - carbonate filled fractures at variable angles to core axis. Locally 1 to 2% pyrite is noted. 30% syenites cut section often with 1 to 2% pyrite at margins. Strongly to moderately pervasively carbonatized throughout. Rare and localized white to grey syenites cut the section containing 1% pyrite Most alteration is concentrated within the upper 2.6 m and over the lower 50 cm.	91803	51.59	52.59	1.00	TR-1	.140	.14
			91804	52.59	53.04	.45	TR	.014	.03
			91805	53.04	53.66	.62	TR-1	.000	nil
53.66	74.92	SYENITE							
			91806	53.66	54.66	1.00	1	.150	.15
			91807	54.66	55.65	.99	TR-1	.069	.07
53.66	59.74	Aphanitic, red syenite with 1% pyrite occurring as fine disseminations within late stage fractures, euhedral crystals and adjacent to magnetite grains. This unit is fine grained with a grey red section from 55.65 to 57.10 m. All contacts are gradational. This may be an altered syenite	91808	55.65	56.57	.92	TR-1	.046	.05
			91809	56.57	57.10	.53	TR-1	.058	.11
			91810	57.10	58.10	1.00	TR-1	.580	.58
			91811	58.10	59.10	1.00	1	.330	.33
			91812	59.10	59.74	.64	1	.250	.39
			91813	59.74	61.02	1.28	TR	.192	.15
			91814	61.02	62.00	.98	TR	.147	.15

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		with the fluids concentrated within the aphanitic, red, possibly hematized sections. Upper contact at 75 degrees to the core axis, the lower is gradational with the syenite below.. Highly fractured and rubbled over the lower 40 cm.	91815	62.00	63.40	1.40	TR	.028	.02
			91816	63.40	64.40	1.00	TR-1	.030	.03
			91817	64.40	65.40	1.00	TR	.050	.05
			91818	65.40	66.82	1.42	TR	.199	.14
			91819	66.82	67.26	.44	TR-1	.000	nil
			91820	67.26	68.30	1.04	TR	.031	.03
			91821	68.30	69.66	1.36	TR	.014	.01
			91822	69.66	70.43	.77	TR-1	.046	.06
			91823	70.43	71.43	1.00	TR	.130	.13
			91824	71.43	72.17	.74	TR	.178	.24
			91825	72.17	72.80	.63	TR-1	.038	.06
			91826	72.80	73.84	1.04	TR	.260	.25
			91827	73.84	74.43	.59	1	.018	.03
			91828	74.43	74.92	.49	TR	.088	.18
59.74	74.92	Pink unit with patchy red, aphanitic sections as described above. Generally the intrusive is fine grained pink to red, weakly magnetic with black magnetite grains noted and white calcite patches averaging 4 mm across. Within the red, aphanitic patches the magnetite is commonly altered to pyrite. All internal contacts are gradational. The intrusive is weakly fractured but locally exhibits a weak foliation developed defined by the alignment of mafic minerals. Pyrite averages trace with up to 1% within the aphanitic, red sections. The aphanitic, red sections are noted from 66.82 to 67.26 m, 69.66 to 70.43 m, 72.17 to 72.80 m and 73.84 to 74.43 m. The lower contact is sharp at 70 degrees to the core axis.							
74.92	159.16	HIGH MAG BASALT							
			91829	74.92	75.92	1.00	TR-1	.000	nil
			91830	75.92	76.92	1.00	TR	.000	nil
			91831	88.52	89.52	1.00	TR	.020	.02
			91832	89.52	90.52	1.00	TR-1	.020	.02
			91833	90.52	91.32	.80	1	.024	.03
			91834	91.32	91.75	.43	TR-1	.004	.01
			91835	91.75	92.75	1.00	TR-1	.000	nil
			91836	92.75	93.80	1.05	TR	.011	.01
			91837	138.70	139.30	.60	1-3	.000	nil
			91838	141.70	142.30	.60	TR-1	.000	nil
			91839	142.30	142.75	.45	TR-1	.000	nil
			91840	142.75	143.55	.80	TR	.000	nil
			91841	158.30	159.16	.86	TR	.000	nil
74.92	89.52	Fine grained massive flow ?. Dark green, strongly magnetic, locally foliated flow. Traces of pyrite are noted associated with late stage calcite and/or quartz stringers at variable angles to core axis. Minor, narrow syenites occur up to 25 cm in width averaging 2 to 3% of the section. Patchy epidote, calcite and rarely quartz alteration is noted. These may be at selvages. Down section, below 100 m selvages are distinct, but above are or may be poorly developed.							
80.70	80.77	Clay-grit seam. No core angle defineable with no foliation developed in adjacent rocks							
89.52	91.75	Biotitic. Foliated and fractured, calcitic section with localized blue hue. Pyrite averages trace to 1% throughout concentrated at fractures and stringers. From 91.02 to 91.15 m buff, possible sphalerite is noted with 1% pyrite and traces of molybdenite. Foliation is at 45 to 50 degrees to the core							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		axis. Sample 91833 returns 92 ppm Zn.							
	89.91	Clay-grit seam at 56 degrees to the core axis							
91.75	140.00	Pillowed flow. Possibly a continuation of the above flow but with distinct, although often poorly developed, selvages. Strongly magnetic and dark grey green. Biotite is common at the selvages. Locally amygdules are noted. The flow is becoming more biotitic down section.							
	119.42	Shear zone. Calcitic shear with minor clay slip. The calcite filling contains bluish angular fragments. Shearing is at 42 degrees to the core axis.							
139.04	139.14	: biotite, quartz and calcite rich selvage with 5% pyrite.							
140.00	159.16	Fine to medium grained massive flow. Dark green, fine grained, becoming medium grained down section with approximately 5 to 7% biotite. Strongly magnetic. Sharp lower contact at 45 degrees to the core axis. 1% pyrite within chilled lower contact.							
142.30	142.75	SYENITE. Pink to red, aphanitic to fine grained with carbonate leached out of fractures. Trace to 1% pyrite. The upper contact is brecciated with alteration extending 10 cm into overlying basalt. Lower contact is sharp at 60 degrees to the core axis.							
159.16	162.77	SYENITE							
			91842	159.16	160.00	.84	TR-1	.168	.20
			91843	160.00	161.00	1.00	TR	.000	nil
		Fine to medium grained, pink to red, locally white, magnetic intrusive with 1% black magnetite grains and crystals scattered throughout. Trace to 1% pyrite noted locally, generally within reddish sections at the expense of magnetite. Minor fracturing. Localized feldspar crystals up to 1 cm long are noted - these are grey in colour. Contacts are sharp at 45 and 21 degrees to the core axis.	91844	161.00	162.00	1.00	TR	.000	nil
			91845	162.00	162.77	.77	TR	.015	.02
162.77	197.33	HIGH MAG BASALT							
			91846	162.77	163.77	1.00	TR	.000	nil
			91847	163.77	164.56	.79	TR-1	.000	nil
			91848	164.56	165.23	.67	TR	.013	.02
	162.77	180.14 Fine to medium grained massive flow. Dark							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		grey green to black, strongly magnetic with traces of pyrite. 5 to 7% biotite throughout. 1 to 2% pyrite is noted from 164.50 to 164.56 m associated with pervasive carbonatization. Narrow, weakly silicified and strongly pervasively carbonatized patch from 174.00 to 174.15 m with trace to 1% pyrite. Becomes fine grained to the lower contact beginning at 177 m.	91849	165.23	166.00	.77	TR	.000	nil
			91850	173.70	174.30	.60	TR	.000	nil
			91851	180.14	181.05	.91	TR	.009	.01
			91852	185.00	186.00	1.00	TR	.000	nil
			91853	187.40	188.40	1.00	TR	.000	nil
			91854	188.40	189.07	.67	TR	.000	nil
			91855	189.07	190.07	1.00	TR	.000	nil
			91856	190.07	191.00	.93	TR	.009	.01
			91857	191.00	191.50	.50	1	.000	nil
			91858	191.50	192.50	1.00	TR	.000	nil
164.56	165.23	SYENITE. Fine to medium grained, pink, locally red, intrusive with 5% black magnetite crystals and trace to 1% pyrite. Weakly fractured. Traces muscovite noted within intrusive. Contacts are sharp at 54 and 43 degrees to the core axis.	91859	192.50	193.50	1.00	TR	.000	nil
			91860	193.50	194.10	.60	TR	.000	nil
			91861	194.10	194.80	.70	1	.000	nil
			91862	194.80	195.80	1.00	TR	.000	nil
			91863	195.80	197.33	1.53	TR	.000	nil
175.13	175.70	Mafic intrusive. Fine grained, dark grey green, biotite and chlorite rich intrusive with strong magnetics and no carbonatization. Rare white feldspars ? are noted near contacts. Contacts are at 45 degrees to the core axis and are diffuse. Possibly the Peanut intrusives metamorphic aureole altered this intrusive due to the biotite content and diffuse contacts.							
180.14	197.33	Pillowed flow ?. Fine grained, dark green, chlorite rich unit with a sharp, fractured upper contact and with epidote and garnet masses at selvages. Moderately to strongly magnetic throughout. Rare quartz wisps with dark purple halos are noted near upper contact containing 1% pyrite and from approximately 189 to 194.5 m at 15 to 25 degrees to the core axis. Below 189 m the selvages are poorly developed or non-existent. Localized biotite rich patches are noted suspected to be selvages.							
181.05	182.60	Mafic intrusive. Fine grained as described above from 175.13 to 175.70 m but with feldspar crystals scattered throughout. Pinkish blebs are also noted. The lower 20 cm is pale green to pink orange with 2 to 3% amphibole laths. Contacts at 60 and 35 degrees to the core axis. Lower contact at selvage.							
188.40	189.07	SYENITE. Fine to medium grained, pink to locally red intrusive with 3 to 5% black magnetite crystals. Commonly, the magnetite is rimmed by red hematite and locally by pyrite. Lower contact is at 30 degrees to the core axis and is sharp.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
197.33	206.85	SYENITE							
			91864	197.33	198.10	.77	TR	.000	nil
			91865	198.10	198.70	.60	TR-1	.012	.02
		Fine to medium grained, pink to red to pink grey with sharp contacts. The syenite is magnetic throughout with 1 to 2% magnetite crystals scattered throughout. Commonly the magnetite is altered to pyrite with an increased reddish hue in that vicinity. The reddish hue is more dominant at the top and the pink grey colouration, due to calcite, is dominant at the base. Upper contact is at 50 degrees to the core axis with minor basaltic inclusions and the lower contact is at 22 degrees to the core axis with a weak chill but void of sulphides.	91866	198.70	199.70	1.00	TR	.000	nil
			91867	199.70	200.70	1.00	TR	.000	nil
			91868	200.70	201.70	1.00	TR	.070	.07
206.85	212.49	BASALT							
		206.85 212.49 Fine grained massive flow. Biotite rich, dark grey with localized patchy pervasive calcite alteration. Nonmagnetic. Possibly an altered diorite.							
212.49	233.82	SYENITE							
			91869	212.49	213.50	1.01	TR	.010	.01
			91870	213.50	214.50	1.00	TR	.000	nil
		Fine to medium grained, pink to pink grey to locally red hued, magnetic intrusive with 3 to 5% subhedral crystals up to 1 cm across. These crystals are magnetic, dark grey to black, commonly with epidote rich cores and commonly with pyrite. Also calcitic. These may be garnets from magnetite ?. Locally pyrite concentrations are up to 1% occurring within quartz stringers and fracture fillings and also associated with magnetite crystals. The pyrite is most common within the red hued areas of the intrusive. The contacts are sharp at 28 and 70 degrees to the core axis. Becomes calcitic at base with grey carbonate patches.	91871	214.50	215.50	1.00	TR	.020	.02
			91872	215.50	216.50	1.00	TR	.000	nil
			91873	216.50	218.00	1.50	TR	.000	nil
			91874	218.00	219.50	1.50	TR-1	.000	nil
			91875	219.50	220.40	.90	TR	.000	nil
			91876	220.40	221.40	1.00	1	.000	nil
			91877	221.40	222.20	.80	1	.000	nil
			91878	222.20	223.20	1.00	TR-1	.000	nil
			91879	223.20	224.20	1.00	TR-1	.000	nil
			91880	224.20	225.70	1.50	TR	.015	.01
			91881	225.70	227.20	1.50	TR	.000	nil
			91882	227.20	228.20	1.00	TR	.000	nil
			91883	228.20	229.20	1.00	TR-1	.000	nil
			91884	229.20	230.20	1.00	TR-1	.030	.03
			91885	230.20	231.20	1.00	1	.000	nil
			91886	231.20	232.20	1.00	TR-1	.000	nil

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
			91887	232.20	233.20	1.00	TR	.000	nil
			91888	233.20	233.82	.62	TR	.000	nil
233.82	249.94	HIGH MAG BASALT							
			91889	233.82	234.82	1.00	TR-1	.000	nil
			91890	243.80	244.80	1.00	TR	.000	nil
	233.82 249.94	Fine grained massive flow. Dark grey green, strongly magnetic flow with 5 to 10% biotite. The biotite concentration is decreasing down section as chlorite becomes common below 245 m. Locally, weakly altered calcitic patches are noted with 2 to 3% white calcite fracture fillings and trace to 1% pyrite. Four narrow syenitic intrusives are noted at variable angles to core axis. These are generally 1 to 2 cm wide with one up to 17 cm at 244.25 m.							
	249.94	END OF HOLE.							

AMERICAN BARRICK RESOURCES CORPORATION

Property: WEST BLOCK
Township: HARKER
Claim #: L802672
NTS: 32D/5,12

DIAMOND DRILL RECORD

Hole #: HC.91-711

Survey Co-ords: 2335.6 10467.2
Cut-Grid Co-ords: 2335E 10467N
Section: 2200E
Elevation: 5011.5
Measurement: METRIC

Date Logged: FEB. 28 - MAR. 5, 1991
Logged by: G. BASCHUK
Signature:

Azimuth: 42.0
Dip: -53.0
Length: 238.4

Contractor: PHILIPPON
Core Size: BQ
Date Started: FEB. 26, 1991
Date Completed: FEB. 28, 1991

Core Stored At: HOLT-McDERMOTT MINE
Comments: CASING PULLED

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-49.0	137.16		-49.5	228.60		-51.0
91.44		-49.0	182.88		-51.5			

----------Log Summary----------

.00 12.80 CASING -10.97m of OVERBURDEN.

12.80 74.02 HIGH MAG BASALT.

74.02 191.11 DIABASE.

191.11 238.35 SYENITE.

238.35 END OF HOLE.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	12.80	CASING							
			91891	12.47	13.35	.88	TR	.000	nil
		.00 10.97 OVERBURDEN.							
		10.97 12.80 Fine grained massive flow. Moderately magnetic, dark grey green flow. Weakly fractured.							
		12.60 Clay-grit seam at 60 degrees to the core axis. Adjacent rocks are moderately to strongly carbonatized with traces of pyrite.							
12.80	74.02	HIGH MAG BASALT							
			91892	34.00	34.50	.50	TR-1	.000	nil
			91893	34.50	35.00	.50	TR	.000	nil
			91894	35.00	36.00	1.00	TR	.000	nil
			91895	36.00	37.02	1.02	TR-1	.010	.01
			91896	37.02	37.80	.78	TR	.016	.02
			91897	37.80	38.80	1.00	TR	.000	nil
			91898	57.40	58.40	1.00	TR-1	.000	nil
			91899	58.40	59.00	.60	1	.000	nil
			91900	59.00	59.90	.90	TR-1	.000	nil
			91901	59.90	60.90	1.00	TR	.000	nil
			91902	60.90	61.62	.72	TR	.000	nil
		12.80 37.02 Fine grained massive flow. Dark green, moderately magnetic and moderately to weakly fractured filled commonly by epidote. Below 25 m white feldspar grains are noted with a pseudo-subophitic texture (similar to END OF HOLE in MC.91-710) and the grain size becomes fine to medium grained. The lower 2 m contains increased epidote stringers and trace to 1% pyrite. Highly fractured at 36.88 m with ground core.							
		28.20 29.04 SYENITE. Red, fine grained intrusive with traces pyrite near upper contact. Nonmagnetic. Contacts at 22 and 35 degrees to the core axis.							
		34.27 34.30 : syenite with 10% pyrite and 3 to 5% epidote. Highly altered and fractured intrusive at 37 degrees to the core axis.							
		37.02 37.80 SYENITE. Pink red to orange, fine grained intrusive with few white feldspar phenocrysts up to 3 mm. Traces pyrite, muscovite and epidote with possible sericite along fractures at 55 degrees to the core axis.							
		37.80 48.35 Fine to medium grained massive flow. Continuation of above flow with localized dioritic texture. Strongly magnetic.							
		44.75 45.02 SYENITE at 33 degrees to the core axis. Fine grained, pink red.							

From	To	Description	Sample From	To	Length	% Sul	GW	Au g/t
	48.35	53.64 DIABASE. Very fine grained, dark grey, moderately magnetic intrusive with green grey chilled contacts. 5% black laths up to 1 mm long are noted randomly throughout. Upper contact is sharp at 28 degrees to the core axis and the lower contact is within highly fractured core.						
53.64	59.90	Flow top. Fine grained, dark green, moderately magnetic unit with green to pale green wisps along a foliation at 50 degrees to the core axis. Brecciation is very minor. Traces pyrite noted locally along foliation planes. Amygdules noted locally. In part, this may be pillowed flow. The lower 1.5 m contains red brown, resinous massive mineralization, possibly sphalerite or garnet within the matrix. Sample numbers 91899 returns 84 ppm Zn and number 91900 returns 90 ppm Zn.						
59.90	61.62	SYENITE. Red intrusive with numerous altered fragments of host basalt and also abundant epidote and hematite alteration. Traces pyrite. Contacts are at 20 and 40 degrees to the core axis.						
61.62	68.70	Fine grained massive flow. Locally wispy, biotitic, chloritic and epidote +/- garnet patches are noted resembling selvages to lower contact. These are rare and only two are noted.						
68.70	69.65	SYENITE. Red to orange, fine to medium grained, fractured intrusive containing mafic clots and grey plagioclase crystals. Traces pyrite noted locally. Contacts are sharp and epidote lined at 41 and 35 degrees to the core axis.						
69.65	74.02	Fine grained massive flow. Green to green grey, moderately fractured. Strongly magnetic. Lower contact is sharp and clean at 55 degrees to the core axis.						
70.48	70.87	SYENITE. Fine grained, pink red. Lower 15 cm is porphyritic with 10% white to pale pink plagioclase crystals up to 1 cm long. Contacts are sharp at 35 and 32 degrees to the core axis.						
72.55	72.85	SYENITE. Fine grained, pink to red with rare plagioclase phenocrysts up to 4 mm long. Sharp contacts at 49 and 38 degrees to the core axis.						

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
74[redacted]	191.11	DIABASE							
			91903	190.20	191.11	.91	TR	.000	nil

Fine to medium grained, grey intrusive with a sharp, chilled upper contact similar to the intrusive described above from 48.35 to 53.64 m. Below, locally sub-ophitic textures are noted but generally the texture is almost gabbroic.
The unit is very weakly fractured and only the odd quartz and/or calcite fracture filling is noted. Magnetics are variable from weak at top to nonmagnetic in medium grained centre with localized very weakly magnetic patches.
From 121.31 to 124.02 m the rocks are medium grained and green with red flecks throughout. Minor leucoxene.
189.40 191.11 Highly fractured. Grey green, fine grained section with numerous fractures commonly with slickensides and localized clay-grit seams. The rocks do not exhibit a foliation. The fractures are at 30 to 35 degrees to the core axis and chlorite lined
189.80 Clay-grit seam. No angle determined.

191.11 238.35 SYENITE

Medium to coarse grained, red to orange, locally mottled intrusive with a sharp, clean upper contact at 25 degrees to the core axis. Locally traces of pyrite are noted.
Below 201 m, the intrusive is porphyritic with red to orange K-spar crystals averaging 1 cm square within a fine grained, muscovite and biotite rich groundmass. Locally the groundmass is rich in calcite. The phenocrysts generally average 60 to 70% of the rock. Magnetite occurs locally as black crystals often in masses. Localized phases become fine grained and massive with gradational contacts from the porphyritic phases.
194.13 197.65 DIABASE. Weakly to moderately magnetic, grey, fine grained intrusive with chilled contacts at 29 and 28 degrees to the core axis. Mafic laths are noted concentrated at contacts. This intrusive is as described above from 48.35 to 53.64 m.

238.35 END OF HOLE.

AMERICAN BARRICK RESOURCES CORPORATION

Property: WEST BLOCK
Township: MARKER
Claim #: L641390
NTS: 32D/5,12

DIAMOND DRILL RECORD

Hole #: MC.91-712

Survey Co-ords: 1900.0 11052.0
Cut-Grid Co-ords: 1900E 11055N
Section: 1900E
Elevation: 4990.3
Measurement: METRIC

Date Logged: MAR. 12-13,1991
Logged by: G. BASCHUK
Signature:

Azimuth: 19.0
Dip: -50.0
Length: 36.6

Contractor: PHILIPPON
Core Size: BQ
Date Started: MAR. 5, 1991
Date Completed: MAR. 6, 1991

Core Stored At: HOLT-McDERMOTT MINE
Comments: HOLE LOST DUE TO CAVING -- 31.70M CASING LOST IN HOLE

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip

----------Log Summary----------

.00 34.75 CASING -32.31m of OVERBURDEN.

34.75 36.58 SYENITE.

36.58 END OF HOLE.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	34.75	CASING							
			91989	32.31	32.68	.37	TR-1	.048	.13
			91990	32.68	33.50	.82	TR-1	.008	.01
			91991	33.50	34.15	.65	TR-1	.026	.04
			91992	34.15	34.75	.60	1	.018	.03
.00	32.31	OVERBURDEN.							
32.31	32.68	Altered fine grained massive flow. Green grey, fine grained, strongly magnetic, pervasively carbonatized basalt with 30% hybrid patches. Trace to 1% pyrite concentrated along syenitic stringers.							
32.68	34.75	SYENITE. Medium to coarse grained, pink intrusive with white feldspar crystals and 10% dark green to black amphiboles. Pyrite averages trace to 1% concentrated along fractures associated with hematite and locally as subhedral crystals. Upper contact is sharp at 46 degrees to the core axis. The section from 34.15 to 34.75 m is grey to pink with 1% pyrite and more intensely fractured than above sections.							
34.75	36.58	SYENITE							
			91993	34.75	35.75	1.00	1	.020	.02
			91994	35.75	36.58	.83	TR-1	.042	.05
		Continuation of above medium to coarse grained syenite with 10 to 15% amphiboles. Fracturing remains with pyrite averaging trace to 1%. Patchy magnetism. Minor calcite is noted adjacent to mafics.							
		Hole lost due to caving at 36.58 m. 31.70 m of casing lost down the hole.							
36.58		END OF HOLE.							

AMERICAN BARRICK RESOURCES CORPORATION

DIAMOND DRILL RECORD

Property: WEST BLOCK
Township: HARKER
Claim #: L641390
NTS: 32D/5,12

Hole #: MC.91-712A

Survey Co-ords: 1895.1 11050.6
Cut-Grid Co-ords: 1900E 11055N
Section: 1900E
Elevation: 4990.3
Measurement: METRIC

Date logged: MAR. 14, 1991
Logged by: G. BASCHUK
Signature:

Azimuth: 19.0
Dip: -50.0
Length: 244.8

Contractor: PHILIPPON
Core Size: BQ
Date Started: MAR. 5, 1991
Date Completed: MAR. 11, 1991

Core Stored At: HOLT-McDERMOTT MINE
Comments: CASING PULLED

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-51.0	137.16		-50.0	228.60		-49.0
91.44		-50.5	182.88		-48.0			

----------Log Summary----------

.00 40.84 CASING -35.66m of OVERBURDEN.

40.84 57.00 SYENITE.

57.00 114.95 HIGH MAG BASALT.

114.95 117.89 SYENITE.

117.89 140.90 HIGH MAG BASALT.

140.90 149.82 SYENITE.

149.82 161.40 HIGH MAG BASALT.

161.40 181.05 SYENITE.

181.05 185.00 HIGH MAG BASALT.

185.00 244.75 SYENITE.

224.75 END OF HOLE.

From To ----------Description---------- Sample From To Length % Sul GW Au g/t

.00 40.84 CASING

.00 35.66 OVERBURDEN.

35.66 40.84 SYENITE and HIGH MAG BASALT. Medium grained, pink subhedral feldspars within a generally dark amphibole, feldspar and hematite groundmass. Feldspar phenocrysts are averaging 8 mm across. The unit is not consistently porphyritic but varies to locally fine grained. Traces to locally 1% pyrite are noted generally associated with grey patches of the syenite.
Basaltic inclusions are grey green, fine grained, pervasively carbonatized and magnetic with common narrow syenites. These are hybrids and commonly appear gneissic with biotite rich bands.
The sulphide concentrations noted within MC.91-712 are not as intense in this hole and sulphides are concentrated from 35.78 to 35.95 m with 1 to 2% and from 36.43 to 36.72 m with 1% pyrite.

Sample	From	To	Length	% Sul	GW	Au g/t
91995	35.66	36.20	.54	TR-1	.000	nil
91996	36.20	36.80	.60	TR-1	.000	nil
91997	36.80	37.46	.66	TR	.000	nil
91998	37.46	38.46	1.00	TR	.000	nil
91999	38.46	39.46	1.00	TR	.020	.02
92000	39.46	40.84	1.38	TR	.000	nil

40.84 57.00 SYENITE

Highly, variably textured intrusive with porphyritic, medium grained sections and very fine grained to fine grained sections all with gradational to locally sharp contacts. The matrix within the medium grained, porphyritic sections is amphibole rich with magnetite and calcite.
The fine grained sections are locally hematized with fracturing and elevated pyrite concentrations up to 1 to 2%.
From 46.33 47.40 m the rocks are highly fractured with 1 to 2% pyrite throughout concentrated along the fractures. Fracturing is at 30 to 40 degrees to the core axis. This section is fine grained, red, due to hematite, and is sheared. Lower contact of syenite is sharp and clean at 8 degrees to the core axis cutting

Sample	From	To	Length	% Sul	GW	Au g/t
60701	40.84	41.84	1.00	TR-1	.000	nil
60702	41.84	42.84	1.00	TR	.030	.03
60703	42.84	43.84	1.00	TR-1	.150	.15
60704	43.84	44.84	1.00	TR-1	.050	.05
60705	44.84	45.84	1.00	TR-1	.090	.09
60706	45.84	46.33	.49	TR	.020	.04
60707	46.33	46.94	.61	1-2	.104	.17
60708	46.94	47.40	.46	1-2	.009	.02
60709	47.40	48.00	.60	1	.018	.03
60710	48.00	49.00	1.00	TR	.030	.03
60711	56.00	57.00	1.00	TR	.010	.01

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		the foliation in the underlying basalts.							
57.00	114.95	HIGH MAG BASALT							
		The entire section is a foliated, fine to medium grained, green grey, pervasively carbonatized, magnetic basalt with localized chloritic clots and common pink gneissic bands. Possibly a relict massive flow but alteration is too intense. Biotite is common throughout due to metamorphism. Sulphides are generally rare but concentrated within areas of hematitic calcite stringers or fractures. These are at variable angles to core axis from 0 to 90 degrees. Foliation is at 50 degrees at 58.25 m, 42 degrees at 62.05 m, 51 degrees at 61.60 m, 20 degrees at 75.60 m, 52 degrees at 86.60 m, 68 degrees at 99.70 m, 55 degrees at 103.90 m and at 56 degrees to the core axis at 113.50 m.	60712	57.00	58.00	1.00	TR-1	1.130	1.13
			60713	58.00	59.00	1.00	TR	.020	.02
			60714	60.00	60.95	.95	TR	.000	nil
			60715	60.95	61.55	.60	1	.246	.41
			60716	61.55	62.49	.94	TR-1	.047	.05
			60717	62.49	63.63	1.14	TR-1	.148	.13
			60718	63.63	64.63	1.00	TR	.140	.14
			60719	71.52	72.10	.58	TR	.012	.02
			60720	72.10	72.60	.50	1	.015	.03
			60721	72.60	73.57	.97	TR	.010	.01
			60722	76.17	76.67	.50	1-2	.000	nil
			60723	90.60	91.60	1.00	TR	.000	nil
			60724	91.60	92.30	.70	1	.000	nil
			60725	92.30	92.80	.50	TR-1	.000	nil
			60726	92.80	93.50	.70	1-2	.000	nil
			60727	93.50	94.86	1.36	1-2	.000	nil
			60728	94.86	95.86	1.00	TR	.000	nil
			60729	98.35	99.35	1.00	TR-1	.000	nil
62.49	63.63	SYENITE. Saccharoidal, pink to red locally grey intrusive containing trace to 1% pyrite. Contacts at 32 and 44 degrees to the core axis lined with pyrite.							
65.61	66.01	Kimberlite. Olive green, fine grained, heavy intrusive with calcite and biotite books at contacts. Relict round blebs noted possibly altered olivine. Locally magnetic, strongly pervasively carbonatized throughout. Rare anhedral garnets noted. The upper contact is irregular, the lower is at 50 degrees to the core axis. Sample 29483 taken for thin section.							
71.52	73.57	Porphyritic SYENITE. Pink feldspars and dark green horblende crystals floating within a pink groundmass. This locally becomes very fine grained with only a pink colouration. The grain styles are highly variable. Upper contact is at 18 degrees to the core axis, lower at 32 degrees to the core axis. From 72.25 to 72.50 m 1% pyrite is noted within a pink to red very fine grained section. Pyrite is concentrated along fractures.							
76.19	76.37	Mafic intrusive. Green, fine grained, intrusive with contacts at 60 degrees to the core axis containing 2 to 3% very finely disseminated pyrite. Strongly magnetic, noncarbonatized.							
77.11		Fractured core.							
79.90	80.16	Highly fractured and broken core.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
	80.25	80.81 Porphyritic SYENITE. Dark green to black amphibole crystals averaging 8 mm long within a pink felsic groundmass. 15% amphiboles. Contacts at 70 degrees to the core axis.							
	81.17	84.82 Porphyritic SYENITE. As described above from 80.25 to 80.81 m. Contacts at 12 and 70 degrees to the core axis. No sulphide concentrations.							
	91.60	94.86 Altered with 1% pyrite concentrated in and adjacent to quartz - carbonate stringers at variable angles to core axis. From 92.90 m to 94.86 m stringer with white silicified halo runs at 0 to 10 degrees to the core axis with 2 to 3% pyrite. A porphyritic syenite is noted from 91.70 to 91.94 m.							
	94.40	Clay-grit seam subparallel to core axis associated with stringer noted above. The core is highly fractured and rubbled from 93.95 to 94.86 m.							
114.95	117.89	SYENITE							
			60730	115.58	116.58	1.00	TR	.000	nil
			60731	116.58	117.31	.73	1	.000	nil
			60732	117.31	117.89	.58	1	.220	.38
	114.95	117.89 Fine grained red to pink with traces of pyrite, locally up to 1%. Contacts are sharp at 70 degrees to the core axis with minor assimilation at lower contact. Patchy magnetics throughout occurring as fine magnetite grains. No amphibole phenocrysts. Pyrite is concentrated from 116.58 to 117.89 m averaging 1%.							
117.89	140.90	HIGH MAG BASALT							
			60733	117.89	118.57	.68	TR	.007	.01
		Same as described above from 57.00 to 114.95 m. The upper 3.98 m is a combination of porphyritic syenites and intensely carbonatized and foliated host rock. Foliation at 37 degrees at 129.6 m and 47 degrees to the core axis at 140.5 m.							
	127.52	Clay-grit seam within section of highly rubbled and fractured core. Clay-grit seam at 20 degrees to the core axis.							
	127.53	128.55 DIABASE. Brown, strongly magnetic, very fine grained, noncalcitic intrusive with							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		fractured and rubbled contacts. Calcite stringers are common at variable angles to core axis. Not a Matachewan DIABASE as noted in other holes.							
	134.11	Fault gouge. Relict, annealed, brecciated fault gouge within section of rubbled core.							
	134.70 137.12	Altered DIORITE. Fine grained, relict subophitic textured intrusive that is weakly carbonatized, strongly magnetic and altered due to hybridization of the host rock from the intrusive. Many of the plagioclase grains are red due to hematization. Lower contact is indistinct over 10 cm that has been subjected to porphyritic syenite intrusion. Upper contact is at 80 to 90 degrees to the core axis.							
140.90	149.82	SYENITE							
			60734	147.45	148.45	1.00	TR	.000	nil
			60735	148.45	149.19	.74	TR-1	.000	nil
			60736	149.19	149.82	.63	TR	.000	nil
		Medium grained, red to orange, porphyritic intrusive with 2 to 3% black amphibole phenocrysts. Assimilation is common at contacts and basaltic inclusions up to 8 cm across are noted but generally unaltered and with sharp contacts. Patchy magnetics throughout. Lower contact at 34 degrees to the core axis.							
	148.80	Shear at 10 degrees to the core axis. Syenite is fractured with black fracture fillings often containing 1% finely disseminated pyrite.							
149.82	161.40	HIGH MAG BASALT							
			60737	160.03	160.73	.70	TR	.042	.06
			60738	160.73	161.40	.67	TR	.007	.01
	149.82 154.83	Fine grained pervasively carbonatized, magnetic and altered section similar to overlying basalts. 1% late stage syenitic intrusives averaging 2 cm in width.							
	154.83 155.69	Fine grained SYENITE. Red to pink, fine grained intrusive. Sharp, clean contacts at 70 degrees to the core axis.							
	155.69 156.46	Fine grained massive flow. As described above from 149.82 to 154.83 m.							
	156.46 158.95	Medium grained SYENITE. Red to pink, Kspar crystals floating within a fine grained							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		matrix. The crystals average 1 cm across giving the unit a cumulate texture. Contacts at 60 and 30 degrees to the core axis. Traces pyrite noted rimming magnetite grains.							
158.95	160.73	Altered basalt and 40% syenite. Syenites are Kspar porphyritic and amphibole porphyritic types locally grading from one to the other. Traces pyrite noted. The lower 70 cm is a foliated hybrid at 30 degrees to the core axis to a gradational lower contact.							
160.73	161.40	Foliated fine grained massive flow with syenitic stringers and fragments and with traces of pyrite. Foliation at 20 degrees to the core axis. Strongly magnetic.							
161.40	181.05	SYENITE							
			60739	161.40	162.51	1.11	1	1.410	1.27
			60740	162.51	163.44	.93	1-2	.019	.02
			60741	163.44	164.04	.60	1-2	.120	.20
			60742	164.04	164.71	.67	1	.013	.02
			60743	164.71	165.71	1.00	TR	.000	nil
			60744	180.45	181.05	.60	TR	.006	.01
161.40	164.71	Altered. From 161.40 to 162.51 m the unit is a dark red syenite containing 1% pyrite. The lower contact is irregular from 0 to 20 degrees to the core axis. The upper contact is at approximately 35 degrees to the core axis. 2 to 5% pyrite concentrated at contacts and within a small basaltic inclusion. From 162.51 to 163.44 m is a basaltic section with 1 to 2% finely disseminated pyrite. Strongly magnetic and pervasively carbonatized. Minor syenite inclusions noted. 163.44 to 164.71 m : dark red, intensely altered, possibly silicified section with 1% pyrite. A dark black, very fine grained mineral is common throughout, possibly hematite. Lower contact is gradational as the alteration decreases down section.							
164.71	169.35	Medium grained porphyritic red unit with Kspar and amphibole phenocrysts. Weakly magnetic. Phenocrysts average 8 mm across.							
169.35	181.05	Fine grained porphyritic syenite with no amphibole phenocrysts. The feldspar crystals average 2 mm across and are subhedral. Weakly magnetic. Upper contact is at 70 degrees to the core axis. Lower contact contains fragments of basalt and is highly irregular.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
181.05	185.00	HIGH MAG BASALT							
			60745	181.05	181.65	.60	1	.000	nil
			60746	181.65	182.65	1.00	TR	.000	nil
			60747	182.65	183.65	1.00	TR	.270	.27
			60748	183.65	184.23	.58	TR-1	.052	.09
			60749	184.23	185.00	.77	1	.023	.03
181.05	185.00	Fine grained. Green grey, locally with a red hue, strongly pervasively carbonatized and strongly magnetic. Moderately to strongly hematized throughout. At 181.45 m a white, possibly bleached syenite is noted with 1 to 2% pyrite. The unit is also highly brecciated and at 20 degrees to the core axis.							
184.40		Fault gouge. White, calcitic rich matrix to syenitic and basaltic fragments within an annealed fault gouge at 14 degrees to the core axis. 1% pyrite in host rock on footwall side.							
185.00	244.75	SYENITE							
			60750	185.00	186.00	1.00	1	.000	nil
			60751	186.00	187.00	1.00	1-2	.000	nil
			60752	187.00	188.00	1.00	1	.040	.04
			60753	188.00	189.00	1.00	1-2	.000	nil
			60754	189.00	190.00	1.00	1-2	.050	.05
			60755	190.00	191.00	1.00	1	.030	.03
			60756	191.00	192.00	1.00	1-2	.000	nil
			60757	192.00	193.00	1.00	1	.000	nil
			60758	193.00	194.00	1.00	1	.000	nil
			60759	194.00	195.17	1.17	1-2	.152	.13
			60760	195.17	195.75	.58	TR-1	.081	.14
			60761	195.75	196.30	.55	TR	.000	nil
			60762	208.50	209.10	.60	1	.138	.23
			60763	209.10	209.70	.60	1	.084	.14
185.00	196.30	Brick red fine grained, hematized intrusive with 1 to 2% pyrite concentrated at upper contact. Upper contact is at 10 degrees to the core axis, lower is gradational. The section contains trace to 1% finely disseminated pyrite throughout with black, possibly hematite, filled fractures at low angles to core axis.							
195.17	195.75	Fault gouge ?. Calcite and chlorite rich section, possibly relict basaltic inclusion at 10 degrees to the core axis with brecciated syenite adjacent to it. No distinct fault gouge or foliation developed but brecciation is intense. Traces pyrite and chalcopyrite.							
196.30	244.75	Fine to medium grained pink to red to locally grey pink intrusive commonly with 5% black amphiboles, chlorite and magnetite grains. Locally, fine grained sections as described above from 169.35 to 181.05 m are noted but with diffuse contacts and rare feldspar phenocrysts. Different styles of intrusive are noted throughout with no distinct contacts. Below 230 m the colour changes drastically							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		to grey as the feldspars are now all white. The transition is gradational over 1 to 2 m.							
	244.75	END OF HOLE.							

AMERICAN BARRICK RESOURCES CORPORATION

DIAMOND DRILL RECORD

Property: WEST BLOCK
Township: HARKER
Claim #: L802671
NTS: 32D/5,12

Hole #: MC.91-713

Survey Co-ords: 1898.4 10670.5
Cut-Grid Co-ords: 1900E 10675N
Section: 1900E
Elevation: 4995.8
Measurement: METRIC

Date Logged: MAR. 6-8, 1991
Logged by: G. BASCHUK
Signature:

Azimuth: .0
Dip: -51.0
Length: 204.5

Contractor: PHILIPPON
Core Size: BQ
Date Started: MAR. 1, 1991
Date Completed: MAR. 5, 1991

Core Stored At: HOLT-McDERMOTT MINE
Comments: CASING PULLED

Depth	Azimuth	Dip	Depth	Azimuth	Dip	Depth	Azimuth	Dip
45.72		-46.5	137.16		-46.0	204.52		-45.0
91.44		-46.5	182.88		-46.0			

----------Log Summary----------

.00 15.85 CASING -14.94m of OVERBURDEN.

15.85 17.46 HIGH MAG BASALT.

17.46 27.24 Chert and GREYWACKE.

27.24 58.33 HIGH MAG BASALT.

58.33 89.50 SYENITE.

89.50 107.85 HIGH MAG BASALT.

107.85 115.14 Chert and GREYWACKE.

115.14 129.75 HIGH MAG BASALT.

129.75 135.17 SYENITE.

135.17 145.33 FOLIATED BASALT- MAG.

145.33 156.48 SYENITE.

156.48 204.52 FOLIATED BASALT- MAG.

204.52 END OF HOLE.

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
.00	15.85	CASING							
.00	14.94	OVERBURDEN.							
15.85	17.46	HIGH MAG BASALT							
15.85	16.85	DIORITE. Medium grained, green grey, sub-ophitic unit with moderate to strong magnetics. Sharp lower contact at 31 degrees to the core axis. Lower contact is not chilled.							
16.85	17.46	Fine grained massive flow. Dark green, strongly magnetic, weakly fractured unit with indistinct lower contact associated with silicification and weak brecciation.							
17.46	27.24	CHERT GREYWACKE							
		Fine grained, grey to grey green, locally granular, poorly bedded sediments with localized cherts and cherty halos to late stage fracture fillings. Bedding is at 50 to 60 degrees to the core axis. Pyrite concentrations are generally low and average traces with locally up to 1 to 2%. Locally feldspar crystals are noted resembling the crystal flow of the GNZ. The entire section is highly to moderately fractured with RQD of approximately 50%. The lower 1.24 m is grey, weakly carbonatized and contains trace to 1% very finely disseminated pyrite. Narrow syenite noted from 27.13 to 27.18 m at 34 degrees to the core axis.	91904	17.46	18.50	1.04	TR	.000	nil
			91905	18.50	19.50	1.00	TR-1	.000	nil
			91906	19.50	20.50	1.00	TR-1	.000	nil
			91907	20.50	21.50	1.00	TR-1	.000	nil
			91908	21.50	22.50	1.00	TR	.000	nil
			91909	22.50	23.50	1.00	TR-1	.000	nil
			91910	23.50	24.50	1.00	TR	.000	nil
			91911	24.50	25.50	1.00	TR	.000	nil
			91912	25.50	26.10	.60	TR	.000	nil
			91913	26.10	26.60	.50	TR-1	.000	nil
			91914	26.60	27.24	.64	TR-1	.006	.01
19.89	20.25	SYENITE. Medium grained, pink to red and grey blue intrusive at 55 degrees to the core axis.							
26.70		Fault gouge with annealed brecciation and calcite stringer at 28 degrees to the core axis. 1% pyrite in adjacent rocks.							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
27.24	58.33	HIGH MAG BASALT							
			91915	27.24	28.24	1.00	TR	.000	nil
		27.24 58.33 Fine to medium grained massive flow DIORITE ?. Dark grey green, weakly fractured, massive unit. Fine grained at top becoming medium grained with sub-ophitic texture by 30 m. The fine grained and medium grained sections gradually phase in and out all the way through the section. The sub-ophitic texture is best defined in sections with increased fracturing. The unit is moderately to strongly magnetic throughout. Localized patches of white feldspar crystals averaging 1 to 2 mm are noted. 2 narrow syenites are noted from 55.72 to 55.96 m at 55 degrees to the core axis.							
58.33	89.50	SYENITE							
			91916	58.33	59.33	1.00	TR-1	.000	nil
		Medium to locally fine grained, brick red intrusive with dark green mafic clots. Magnetite grains noted throughout with pyrite rimming near upper contact. Upper contact is somewhat diffuse at 35 to 40 degrees to the core axis. Patchy, fine grained sections are noted. The entire unit is mottled with a high variability of textures. Lower contact is at 50 degrees to the core axis.							
89.50	107.85	HIGH MAG BASALT							
			91917	94.50	95.50	1.00	TR	.000	nil
			91918	95.50	96.30	.80	TR-1	.000	nil
		89.50 92.04 Chill margin to syenite with assimilated host rock. Rocks are green to locally black with a red gneissic banding at 0 to 50 degrees to the core axis. No sulphides.	91919	96.30	97.10	.80	1	.000	nil
			91920	97.10	97.78	.68	TR	.000	nil
			91921	97.78	98.80	1.02	TR-1	.204	.20
			91922	98.80	99.90	1.10	TR-1	.000	nil
		92.04 92.93 SYENITE. Fine to locally coarse grained, red intrusive with sharp contacts at 34 and 47 degrees to the core axis.	91923	99.90	100.60	.70	TR	.000	nil
			91924	100.60	101.20	.60	TR-1	.000	nil
			91925	101.20	102.20	1.00	TR	.000	nil
		92.93 97.78 Fine grained massive flow DIORITE ?. Fine grained, strongly magnetic, dark green unit	91926	103.50	104.50	1.00	TR	.000	nil
			91927	104.50	105.30	.80	TR-1	.000	nil

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		with chilled margins. Locally, late stage fractures contain 1 to 2% pyrite with 1% in adjacent host. Stringers and/or fractures are at 20 to 30 degrees to the core axis and are concentrated from 95.50 to 97.10 m. The lower 90 cm is a chilled, hybrid zone.	91928	105.30	106.10	.80	TR	.000	nil
			91929	106.10	106.60	.50	TR-1	.000	nil
			91930	106.60	107.85	1.25	TR	.000	nil
	97.78	99.90 SYENITE. Fine to medium grained, speckled intrusive with sharp contacts. Only upper contact is hybridized into the host rock. The unit is red with black and pink to orange grains giving the speckled appearance. Traces pyrite noted. Contacts are sharp at 57 and 55 degrees to the core axis.							
	99.90	107.85 Fine to medium grained massive flow DIORITE ?. Dark green grey, moderately to strongly magnetic unit with locally, a well developed sub-ophitic texture. Localized patches are dark purple, siliceous with 1% pyrite and increased fracturing. These have gradational contacts and the silicification is pervasive. The lower contact of this section is gradational to the underlying sediments, possibly cooked.							
107.85	115.14	CHERT GREYWACKE							
			91931	107.85	108.45	.60	TR	.000	nil
			91932	108.45	109.05	.60	1	.000	nil
		Similar to section from 17.46 to 27.24 m.	91933	109.05	110.05	1.00	TR-1	.000	nil
		Dark grey with purple hue at top becoming pale green to grey down section with locally well bedded sections.	91934	110.05	111.05	1.00	TR	.000	nil
			91935	111.05	112.05	1.00	TR	.020	.02
		Cherts are dominant at top with greywacke common down section. Bedding is at 72 degrees at 109.45 m and at 70	91936	112.05	113.08	1.03	TR-1	.000	nil
			91937	113.08	114.10	1.02	TR-1	.000	nil
		degrees to the core axis at 113.2 m. Sulphides are	91938	114.10	115.14	1.04	TR	.000	nil
		generally concentrated within cherty sections averaging 1% and locally associated with narrow syenites averaging trace to 1% pyrite. Syenite noted from 110.87 to 111.05 m at 63 degrees to the core axis. Nonmagnetic.							
115.14	129.75	HIGH MAG BASALT							
			91939	115.14	116.00	.86	TR	.000	nil
			91940	117.00	117.80	.80	TR	.000	nil
	115.14	121.40 Fine grained massive flow. Green, fine grained, weakly to moderately fractured unit. Strongly to moderately magnetic. The fractures are epidote and calcite rich	91941	117.80	118.60	.80	TR-1	.120	.15
			91942	118.60	119.60	1.00	TR	.000	nil
			91943	119.60	120.65	1.05	TR-1	.000	nil
			91944	120.65	121.40	.75	TR	.000	nil

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		with green alteration halos. From 117.80 to 118.60 m the rocks are purple hued, silicified and contain trace to 1% pyrite concentrated within a buff to pink calcite rich patch.	91945	121.40	122.47	1.07	1	.000	nil
			91946	122.47	122.88	.41	TR	.000	nil
			91947	122.88	124.00	1.12	TR-1	.000	nil
			91948	124.00	125.00	1.00	TR-1	.000	nil
			91949	125.00	125.75	.75	TR	.000	nil
121.40	126.37	Mafic intrusive. Fine grained, green brown groundmass with 10% mafic laths up to 1 cm long. Laths are chlorite, biotite and possibly actinolite. 1% finely disseminated pyrite is noted throughout the intrusives. Locally white feldspar crystals are noted similar to those noted within the crystal flow. Upper contact is sharp at 51 degrees to the core axis, the lower contact is irregular and contains fragments of underlying unit. Basalt section similar to overlying unit occur from 122.47 to 122.88 m and from 125.00 to 125.75 m. Moderately to weakly magnetic throughout.	91950	125.75	126.37	.62	TR-1	.000	nil
			91951	129.00	129.75	.75	TR-1	.000	nil
		124.55 M : 2 cm wide buff, carbonatized patch at 22 degrees to the core axis containing 5% finely disseminated pyrite. Contacts are weakly diffuse.							
126.37	129.75	Fine grained crystal flow. Grey green, weakly to moderately magnetic flow with 5 to 10% white feldspar crystals averaging 1 mm across. Weak silicification with carbonatization is noted from 129.25 to 129.45 m with 5% late stage calcite and/or quartz filled fractures. Trace to 1% pyrite within this narrow section.							
129.75	135.17	SYENITE	91952	129.75	130.75	1.00	TR	.160	.16
			91953	132.60	133.60	1.00	TR	.000	nil
		Fine grained, red to locally red grey to brick red intrusive with minor chlorite clots. Narrow fine grained crystal flow inclusion is noted from 132.14 to 132.40 m with 1 to 2% pyrite at lower contact. Generally the intrusive contains traces of pyrite with trace to 1% concentrated over the lower 1.57 m. The lower contact is ground by drillers. Upper contact is at 58 degrees to the core axis.	91954	133.60	134.20	.60	1	.012	.02
			91955	134.20	135.17	.97	TR-1	.000	nil
135.17	145.33	FOLIATED BASALT- MAG							

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
			91956	135.17	136.20	1.03	TR	.000	nil
			91957	136.20	137.00	.80	TR-1	.000	nil
135.17	145.33	Variolitic flow top. Dark green to purple green, fine grained, foliated, moderately to strongly magnetic basalt with purple, silicified variolites up to 2 cm in diameter averaging 1 cm across. This section contains localized, patchy silicification occurring in purple bands and buff to purple halos to quartz stringers. The silicified bands are concentrated over the upper 2 m and are at 60 to 65 degrees to the core axis. The upper contact is highly rubbled. From 41.6 to 41.9 m quartz stringers with 3 to 5% pyrite are noted at 20 to 30 degrees to the core axis. The foliation of the section is at 45 to 55 degrees to the core axis.	91958	137.00	138.00	1.00	TR	.000	nil
			91959	138.00	139.00	1.00	TR-1	.000	nil
			91960	139.00	140.00	1.00	TR	.000	nil
			91961	140.00	141.00	1.00	TR	.000	nil
			91962	141.00	141.60	.60	TR	.000	nil
			91963	141.60	142.20	.60	1-2	.000	nil
			91964	142.20	142.80	.60	1	.072	.12
			91965	142.80	143.80	1.00	TR	.000	nil
			91966	143.80	144.60	.80	TR	.000	nil
			91967	144.60	145.33	.73	TR	.000	nil
145.33	156.48	SYENITE							
			91968	145.33	146.21	.88	TR-1	.440	.50
			91969	146.21	146.89	.68	1	.197	.29
		Fine grained, red to grey with localized red orange, hematitic sections containing 1% pyrite. Weakly to moderately magnetic. Noncarbonatized. Upper contact is sharp at 28 degrees to the core axis, lower contains few inclusions and is at 62 degrees to the core axis. Hematitic sections are noted from 146.21 to 146.89 m and from 152.18 to 152.66 m.	91970	146.89	147.89	1.00	TR	.040	.04
			91971	151.18	152.18	1.00	TR	.230	.23
			91972	152.18	152.66	.48	TR-1	.077	.16
			91973	152.66	153.66	1.00	TR	.000	nil
156.48	204.52	FOLIATED BASALT- MAG							
			91974	156.48	157.48	1.00	TR	.000	nil
			91975	157.48	158.40	.92	TR	.000	nil
156.48	204.52	Amygdular flow top. Continuation of above section from 135.17 to 145.33 m but purple variolitic sections are rare. The unit is a fine grained, foliated, green to locally dark green basalt with localized dark purple to pale purple grey silicified and pervasively carbonatized sections with traces of pyrite. Amygdules are common below 167 m and are locally noted comprising up to 5% of the rock averaging 1 mm diameter. Narrow syenites are noted	91976	164.90	165.90	1.00	TR	.000	nil
			91977	165.90	166.50	.60	1	.000	nil
			91978	166.50	167.50	1.00	TR	.000	nil
			91979	167.50	168.50	1.00	TR	.020	.02
			91980	168.50	169.50	1.00	TR	.000	nil
			91981	177.00	178.00	1.00	TR	.010	.01
			91982	184.92	185.92	1.00	TR	.000	nil
			91983	198.71	200.00	1.29	TR	.000	nil
			91984	200.00	201.00	1.00	TR-1	.000	nil
			91985	201.00	201.80	.80	TR-1	.000	nil
			91986	201.80	202.20	.40	TR-1	.000	nil

From	To	Description	Sample	From	To	Length	% Sul	GW	Au g/t
		cutting this section at variable angles to core axis. The host rock is commonly chlorite and biotite rich due to contact metamorphism. The lower 2.32 m is weakly foliated, chlorite and biotite rich but generally unaltered.	91987	202.20	203.18	.98	TR-1	.000	nil
			91988	203.18	204.18	1.00	TR	.000	nil
157.65	158.00	Clay-grit seam within rubbled section. Rocks above fault gouge are strongly foliated and fractured at 40 to 50 degrees to the core axis.							
166.00	166.14	: altered, silicified section resembling QVZ. Alteration is purple grey to locally buff centered on a quartz stringer containing 1 to 2% pyrite. Stringer and adjacent alteration is at 47 degrees to the core axis.							
174.33	174.80	SYENITE. Three narrow syenites at 42 degrees to the core axis.							
176.33	176.71	SYENITE at 25 degrees to the core axis.							
188.35	189.22	Mafic intrusive. Fine grained, green, weakly foliated intrusive containing 5% white to pale green, anhedral grains. Contacts are sharp at 42 and 30 degrees to the core axis.							
189.66	190.39	Mafic intrusive. As described above from 188.35 to 189.22 m. Contacts at 50 and 24 degrees to the core axis.							
197.07	198.71	SYENITE. Pink, fine grained to locally medium grained, speckled intrusive with black grains. Upper contact at 74 degrees to the core axis, lower at 45 degrees to the core axis.							
198.71	202.20	VARIABLY SILICIFIED BASALT. Dark purple, pervasively silicified section with biotite rich nonsilicified patches. Strongly magnetic. Pyrite averages trace to 1% throughout.							
202.00		Fault gouge at 60 to 70 degrees to the core axis. No clay-grit seam, only brecciated and annealed 1 cm patch with sharp contacts.							
204.52		END OF HOLE.							

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1W-2404-RA2

Company: AMERICAN BARRICK RES. EXPL.

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Date: FEB-28-91

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2. FAX TO 567-4320

We hereby certify the following Assay of 57 split core samples submitted FEB-25-91 by .

Sample Number	Au g/tonne	Au check g/tonne	Zn ppm
91781	Nil		
91782	Nil	Nil	
91783	0.01		
91784	0.01		
91785	0.01		
91786	Nil		
91787	Nil		
91788	Nil		
91789	0.01		
91790	Nil		
91791	Nil		
91792	Nil		
91793	0.08	0.09	
91794	0.01		
91795	0.11		
91796	0.10		
91797	Nil		
91798	Nil		
91799	Nil		
91800	0.01		
91801	0.11		
91802	0.10		
91803	0.14		
91804	0.03		
91805	Nil		
91806	0.15		
91807	0.07		
91808	0.05		
91809	0.11		
91810	0.51	0.65	

#710

P.161-64: (57)

Certified by Donna Gardner

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Sample Number	Au g/tonne	Au check g/tonne	Zn ppm
91811	0.33		
91812	0.39	0.38	
91813	0.15		
91814	0.15		
91815	0.02		
91816	0.03		
91817	0.05		
91818	0.14		
91819	Nil		
91820	0.03		
91821	0.01		
91822	0.06		
91823	0.13		
91824	0.24		
91825	0.06		
91826	0.26	0.24	
91827	0.03		
91828	0.18		
91829	Nil		
91830	Nil		
91831	0.02		
91832	0.02		
91833	0.03		92
91834	0.01		
91835	Nil		
91836	0.01		
91837	Nil		

#710

P.161-64

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We hereby certify the following Assay of 54 SPLIT CORE samples submitted MAR-01-91 by .

Sample Number	Au g/tonne	Au check g/tonne
91838	Nil	
91839	Nil	
91840	Nil	
91841	Nil	
91842	0.21	0.19
91843	Nil	
91844	Nil	
91845	0.02	
91846	Nil	
91847	Nil	
91848	0.02	
91849	Nil	
91850	Nil	
91851	0.01	
91852	Nil	Nil
91853	Nil	
91854	Nil	
91855	Nil	
91856	0.01	
91857	Nil	
91858	Nil	
91859	Nil	
91860	Nil	
91861	Nil	
91862	Nil	Nil
91863	Nil	
91864	Nil	
91865	0.02	
91866	Nil	
91867	Nil	

#710

#710 & 711

P.161-64 (54)

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We hereby certify the following Assay of 54 SPLIT CORE samples submitted MAR-01-91 by .

Sample Number	Au g/tonne	Au check g/tonne
91868	0.09	0.04
91869	0.01	
91870	Nil	
91871	0.02	
91872	Nil	
91873	Nil	
91874	Nil	
91875	Nil	
91876	Nil	
91877	Nil	
91878	Nil	
91879	Nil	
91880	0.01	
91881	Nil	
91882	Nil	
91883	Nil	
91884	0.03	0.02
91885	Nil	
91886	Nil	
91887	Nil	
91888	Nil	
91889	Nil	
91890	Nil	
91891	Nil	

#710

#711

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Date: MAR-12-91

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We hereby certify the following Assay of 84 CORE samples submitted MAR-08-91 by .

Sample Number	Au g/tonne	Au check g/tonne	Zn ppm
91892	Nil		
91893	Nil		
91894	Nil		
91895	0.01		
91896	0.02		
#711 91897	Nil		
91898	Nil		
91899	Nil		84
91900	Nil		90
91901	Nil		
91902	Nil	Nil	
91903	Nil		
91904	Nil		
91905	Nil		
91906	Nil		
91907	Nil		
91908	Nil		
91909	Nil		
91910	Nil		
91911	Nil		
#713 91912	Nil		
91913	Nil		
91914	0.01		
91915	Nil		
91916	Nil		
91917	Nil		
91918	Nil		
91919	Nil		
91920	Nil		
91921	0.23	0.17	

#711 & 713
P. 161-64:
West Block

Certified by L. Cimdins

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Date: MAR-12-91
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We hereby certify the following Assay of 84 CORE samples submitted MAR-08-91 by .

Sample Number	Au g/tonne	Au check g/tonne	Zn ppm
91922	Nil		
91923	Nil		
91924	Nil		
91925	Nil		
91926	Nil		
91927	Nil		
91928	Nil		
91929	Nil		
91930	Nil		
91931	Nil		
91932	Nil		
91933	Nil		
91934	Nil		
91935	0.02	0.01	
91936	Nil		
91937	Nil		
91938	Nil		
91939	Nil		
91940	Nil		
91941	0.14	0.16	
91942	Nil		
91943	Nil		
91944	Nil		
91945	Nil		
91946	Nil		
91947	Nil		
91948	Nil		
91949	Nil		
91950	Nil		
91951	Nil		

#713

Certified by L. Condini

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Attn: MR. G. TOUSIGNANT

We hereby certify the following Assay of 84 CORE samples submitted MAR-08-91 by .

Sample Number	Au g/tonne	Au check g/tonne	Zn ppm
91952	0.16	0.16	
91953	Nil		
91954	0.02		
91955	Nil		
91956	Nil		
91957	Nil		
91958	Nil		
91959	Nil		
91960	Nil		
91961	Nil		
91962	Nil		
91963	Nil		
91964	0.12		
91965	Nil		
91966	Nil		
91967	Nil		
91968	0.48	0.51	
91969	0.29		
91970	0.04		
91971	0.24	0.21	
91972	0.16		
91973	Nil		
91974	Nil		
91975	Nil		

Certified by L. Landini

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1W-2482-RA1

Company: AMERICAN BARRICK RES. EXPL.
Project:
Attn: MR. G. TOUSIGNANT

Date: MAR-13-91
Copy 1. P.O.BOX 1203,KIRKLAND LAKE,ONT. P2N 3M7
2. FAX TO 567-4320

We hereby certify the following Assay of 13 CORE samples submitted MAR-12-91 by ,

Sample Number	Au g/tonne	Au check g/tonne
91976	Nil	
91977	Nil	
91978	Nil	
91979	0.02	
91980	Nil	
91981	0.01	0.01
91982	Nil	
91983	Nil	
91984	Nil	
91985	Nil	
91986	Nil	
91987	Nil	
91988	Nil	

#713

P. 161-64 :

#713
West Block.

Certified by Donna Gardner

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244. FAX (705) 642-3300

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Established 1928

Assaying - Consulting - Representation

Assay Certificate

1W-2509-RA1

Company: AMERICAN BARRICK RES. EXPL.

Date: MAR-20-91

Project:

Attn:

Copy 1. BOX 1203, KIRKLAND LAKE P2N 3M7
2. FAX TO 567-4320

We hereby certify the following Assay of 75 SPLIT CORE samples submitted MAR-15-91 by .

Sample Number	Au g/tonne	Au check g/tonne
60761	Nil	
60762	0.23	
60763	0.14	0.13
91989	0.13	
91990	0.01	
91991	0.04	
91992	0.03	
91993	0.02	
91994	0.05	
91995	Nil	
91996	Nil	
91997	Nil	
91998	Nil	
91999	0.02	
92000	Nil	

Certified by Donna Gardner

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244. FAX (705) 642-3300

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Established 1928

Assaying - Consulting - Representation

Assay Certificate

1W-2509-RA1

Company: AMERICAN BARRICK RES. EXPL.

Project:

Attn:

Date: MAR-20-91

Copy 1. BOX 1203, KIRKLAND LAKE P2N 3M7
2. FAX TO 567-4320

We hereby certify the following Assay of 75 SPLIT CORE samples submitted MAR-15-91 by .

Sample Number	Au g/tonne	Au check g/tonne
60701	Nil	
60702	0.03	
60703	0.15	
60704	0.05	
60705	0.09	
60706	0.04	
60707	0.17	0.16
60708	0.02	
60709	0.03	
60710	0.03	
60711	0.01	
60712	1.18	1.08
60713	0.02	
60714	Nil	
60715	0.40	0.41
60716	0.05	
60717	0.13	
60718	0.14	
60719	0.02	
60720	0.03	
60721	0.01	
60722	Nil	
60723	Nil	
60724	Nil	
60725	Nil	
60726	Nil	
60727	Nil	Nil
60728	Nil	
60729	Nil	
60730	Nil	

#712A

P.161-64:
#712 & 712A
West Block.

Certified by Donna Gardner

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244, FAX (705) 642-3300

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Established 1928

Assaying - Consulting - Representation

Assay Certificate

1W-2509-RA1

Company: AMERICAN BARRICK RES. EXPL.

Project:

Attn:

Date: MAR-20-91

Copy 1. BOX 1203, KIRKLAND LAKE P2N 3M7

2. FAX TO 567-4320

We hereby certify the following Assay of 75 SPLIT CORE samples submitted MAR-15-91 by .

Sample Number	Au g/tonne	Au check g/tonne
60731	Nil	
60732	0.36	0.40
60733	0.01	
60734	Nil	
60735	Nil	
60736	Nil	
60737	0.06	
60738	0.01	
60739	1.28	1.26
60740	0.02	
60741	0.20	
60742	0.02	
60743	Nil	
60744	0.01	
60745	Nil	
60746	Nil	
60747	0.27	
60748	0.09	
60749	0.03	
60750	Nil	
60751	Nil	
60752	0.04	
60753	Nil	
60754	0.05	
60755	0.03	
60756	Nil	
60757	Nil	
60758	Nil	
60759	0.13	
60760	0.17	0.11

Certified by Donna Gardner

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244, FAX (705)642-3300

Ministry of Northern Development and Mine

Ontario

Report of Work Conducted

Transaction Number

DOCUMENT No.

W9180 • 0511D

Personal information c
this collection should
Sudbury, Ontario, P3E

32D12SW0057 70 HARKER

900

iation will be used for correspondence. Questions about
velopment and Mines, Fourth Floor, 159 Cedar Street,

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
- A separate copy of this form must be completed for each Work Group.
- Technical reports and maps must accompany this form in duplicate.
- A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) AMERICAN BARRICK RESOURCES CORP.		Client No. 102119
Address Box 1203, 953 GOVERNMENT ROAD W, KIRKLAND LAKE, ON P2N 3M7		Telephone No. 705-567-4941
Mining Division LARDER LAKE	Township/Area HARKER TWP	M or G Plan No. G-3643
Dates Work Performed From: Feb 20th 1991	To: MARCH 13th, 1991	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	
V	Physical Work, Including Drilling	DIAMOND DRILLING
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs $ 70,846

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
PHILIPPON D. Drilling	Box 788, ROUYN-NORANDA, Qc J9X 5C7
BASCHUK, GARY	58 HARDING, KIRKLAND LAKE, P2N 3N3

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 11-14-91	Recorded Holder or Agent (Signature) Gilles Tousignant

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying

TOUSIGNANT GILLES, 17 RAND W., KIRKLAND LAKE P2N 3L9

Telepone No.	Date	Certified By (Signature)
705-567-6857	11-14-91	Gilles Tousignant

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$40526.00	NOVEMBER 14, 1991		RECEIVED 91 NOV 14 PM 1 23
30320.00 (BANKED)	Deemed Approval Date	Date Approved NOVEMBER 14, 1991	
	Date Notice for Amendments Sent		

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	L-641390	1	22,321	2,000	18,000	2,321
	L-802671	1	14,766	800	10,400	3,566
	L-802672	1	33,759	800	30,000	2,959
	L-641387	1		2,000		
	L-641388	1		2,000		
	L-641389	1		2,000		
	L-641391	1		2,000		
	L-641392	1		2,000		
	L-641393	1		2,000		
	L-641394	1		2,000		
	L-641395	1		2,000		
	L-641396	1		2,000		
	L-641397	1		2,000		
	L-641398	1		2,000		
	L-641399	1		2,000	See Schedule A	
	L-641400	1		2,000		
	L-641401	1		2,000		
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☑ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	L-802 657	1		900 -		
	L-802 658	1		900		
	L-802 659	1		900 -		
					See	
					Schedule A	
	37		70,846	62,000	58,400	8846
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☑ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: **Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.**

Note 2: **If work has been performed on patented or leased land, please complete the following:**

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	L-802 673	1		800		
	L-802 674	1		400		
	L-641 402	1		2,000		
	L-641 403	1		2,000		
	L-641 404	1		2,000		
	L-641 405	1		2,000		
	L-641 406	1		2,000		
	L-641 410	1		2,000		
	L-641 411	1		2,000		
	L-641 412	1		2,000		
	L-641 413	1		2,000		
	L-641 414	1		2,000		
	L-641 415	1		2,000		
	L-641 416	1		2,000		
	L-802 668			400		
	L-802 669			800		
	L-802 656			400		
Total Number of Claims			Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

See Schedule A

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☑ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature

Date

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

DOCUMENT No.
W9180 • 05110

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	11570	
	Field Supervision Supervision sur le terrain		11570
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type		
	Assayer	3033	
	Driller	56243	59276
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		70846

2. Indirect Costs/Coûts indirects

** **Note:** When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles**		

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Exploration manager I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

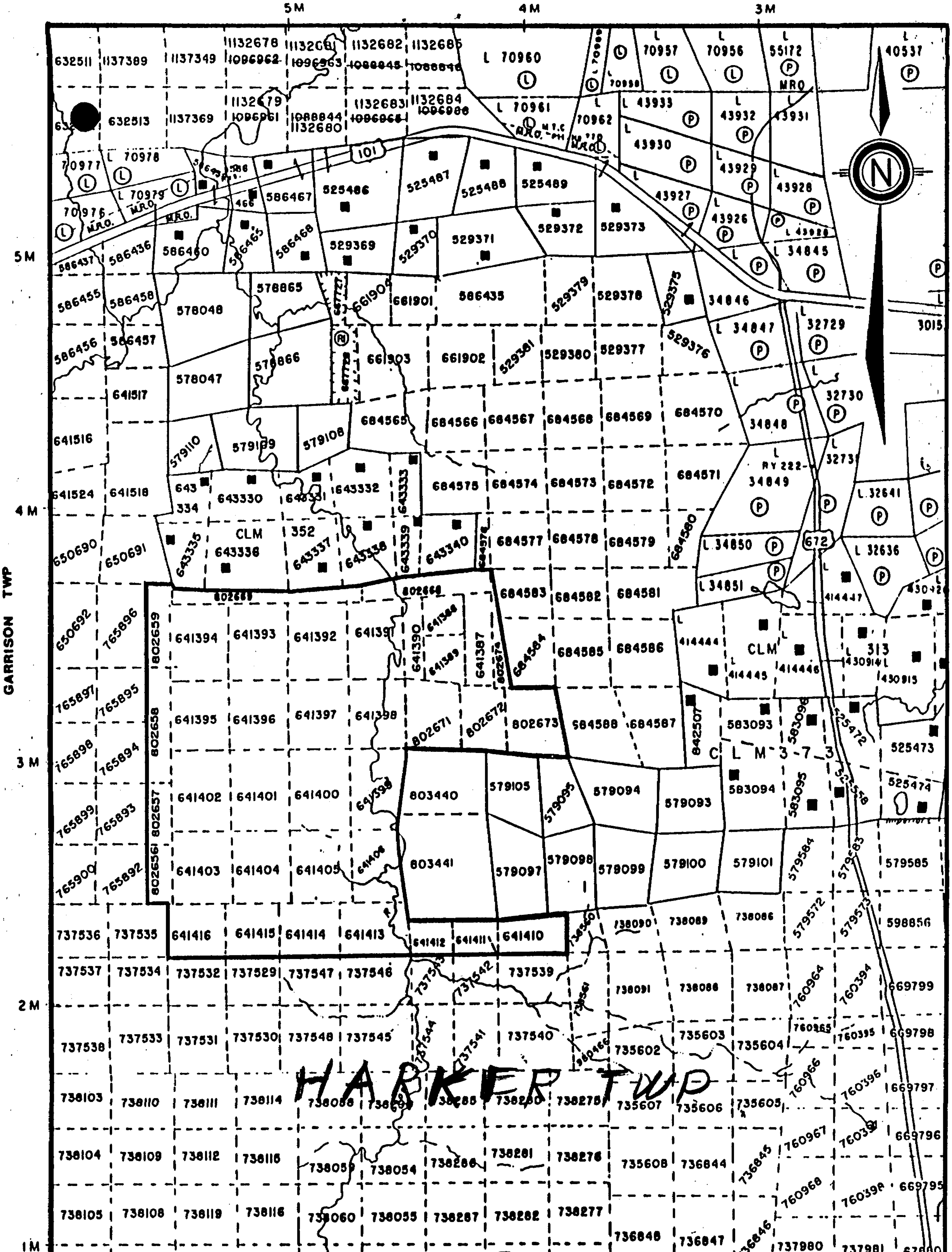
Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
Gilles Tourigny	11-14-91

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.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Assess. Lib.

Ontario

Recording Office
4 Government Road East
KIRKLAND LAKE, Ontario
P2N 1A2

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

February 04, 1992

OUR FILE: W9180.05110

American Barrick Resources Corp.
P.O. Box 1203
953 Government Road W.
KIRKLAND LAKE, Ontario
P2N 3M7

Dear Sir:

SUBJECT: RECORDING OF PHYSICAL WORK (DIAMOND DRILLING) PERFORMED ON MINING CLAIMS L 641390 ETAL. IN THE TOWNSHIP OF HARKER, LARDER LAKE MINING DIVISION

The above work has been recorded as of November 14, 1991. All the work applied to mining claims L 641390 etal. cannot be applied because the maximum amount applied to any mining claim(current year plus five(5) additional years) has been reached according to your claim record sheets[SEE SUBSECTION 4.-(5)]. Also the maximum that can be assigned in any assessment year is $12000.00 therefore the amount applied has been further reduced[SEE SUBSECTION 7.(3)].

Your statement of costs shows only the contractor's fee without any breakdown of expenses or indirect costs. Upon review of other diamond drill report submissions it was shown that under most circumstances these indirect costs did not exceed the 20% of the direct costs which are allowable. After discussions with the Chief Mining Recorder and the other mining recorders it was agreed that due to the transition into the new Mining Act and the fact that in most circumstances the indirect costs do not exceed the 20% amount allowable, we would accept initial submissions of this nature without the breakdown of direct and indirect costs. In future submissions please ensure that the contractor's fees are broken down into direct and indirect costs. Failure to comply with this practice could have adverse affects on the status of your claims.

Should this or any previously submitted work be reduced at a later stage, the amount applied to these claims may fall below this maximum. In order to reassign these credits or any other credits from your Reserve you will have to submit a new work report form and use the Work Group 'Assignment from Reserve'.

The enclosed Assessment Work Credits form (Schedule A) outlines the work credits which will be recorded on your claims.

Yours truly

Martin Cuda
Mining Recorder
Larder Lake Mining Division
(705) 567-9241
/ls
enclosures

...2

ASSESSMENT WORK CREDIT

SCHEDULE A

DATE: December 14, 1991
RECORDER'S REPORT NUMBER: W9180.05110

RECORDED HOLDER: American Barrick Resources Corp. **CLIENT NUMBER:** 102119

TOWNSHIP OR AREA: Harker

ASSIGNMENT WORK PERFORMED: $70846.00

CLAIM NUMBER(S.)	VALUE OF WORK DONE ON THIS CLAIM
L 641390	$22321.00
L 802671	14766.00
L 802672	31633.00
L 802673	2126.00

Total Assessment Credit applied: $40526.00

Level of Assessment Credit Recorded $40526.00

Amount Credited to the Reserve: $30320.00

...3

CLAIM NUMBER(S)	VALUE APPLIED TO THIS CLAIM	VALUE ASSIGNED FROM THIS CLAIM	RESERVE:
L 641390	$ 1600.00	$ 12000.00	$ 8721.00
802671	400.00	12000.00	2366.00
802672	400.00	12000.00	19233.00
641387	1600.00	0.00	0.00
641388	1600.00	0.00	0.00
641389	1600.00	0.00	0.00
641391	1600.00	0.00	0.00
641392	1600.00	0.00	0.00
641393	1600.00	0.00	0.00
641394	1600.00	0.00	0.00
641395	1600.00	0.00	0.00
641396	1600.00	0.00	0.00
641397	1600.00	0.00	0.00
641398	1600.00	0.00	0.00
641399	1600.00	0.00	0.00
641400	1600.00	0.00	0.00
641401	1600.00	0.00	0.00
802673	400.00	1726.00	0.00
802674	400.00	0.00	0.00
641402	1600.00	0.00	0.00
641403	1600.00	0.00	0.00
641404	1600.00	0.00	0.00
641405	1600.00	0.00	0.00
641406	1600.00	0.00	0.00
641410	1600.00	0.00	0.00
641411	1600.00	0.00	0.00
641412	1600.00	0.00	0.00
641413	1600.00	0.00	0.00
641414	526.00	0.00	0.00
641415	0.00	0.00	0.00
641416	0.00	0.00	0.00
802668	0.00	0.00	0.00
802669	0.00	0.00	0.00
802656	0.00	0.00	0.00
802657	0.00	0.00	0.00
802658	0.00	0.00	0.00
802659	0.00	0.00	0.00

Ontario

Ministry of
Tourism and
Recreation

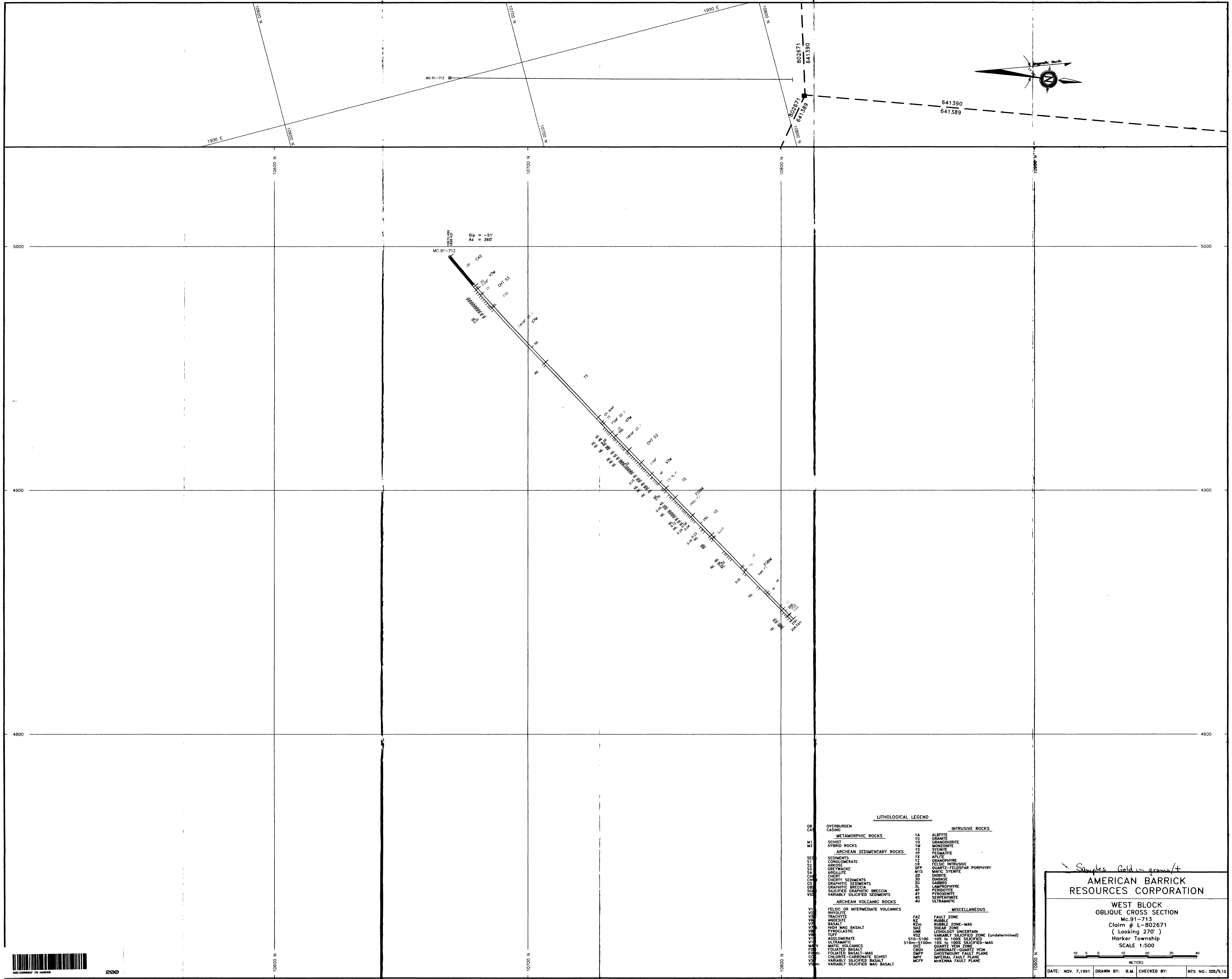
Things *To Do* TODAY

Date: February 03, 1992

			Completed
1.	NOTES TO FILE:		☐
2.			☐
3.	Total Meterage	954.14 m.	☐
4.		3130.34 ft.	☐
5.			☐
6.	Total Samples:	263 all assayed for Au g/T	☐
7.			☐
8.	Adjustments	457.54	☐
9.	Claim L802672	~~458.29~~	$31633.00 ☐
10.	802673	30.75	2126.00 ☐
11.		488.29 m.	$33759.00 ☐
12.			☐

Notes:

7550-0023(2147-89.12)



LITHOLOGICAL LEGEND

OB	OVERBURDEN
CA	CASING

METAMORPHIC ROCKS

M1	SCHIST
M3	HYBRID ROCKS

ARCHEAN SEDIMENTARY ROCKS

SE	SEDIMENTS
S1	CONGLOMERATE
S2	ARKOSE
S3	GREYWACKE
S4	ARGILLITE
CH	CHERT
CH	CHERTY SEDIMENTS
GS	GRAPHITIC SEDIMENTS
GB	GRAPHITIC BRECCIA
SG	SILICIFIED GRAPHITIC BRECCIA
VS	VARIABLY SILICIFIED SEDIMENTS

ARCHEAN VOLCANIC ROCKS

V1	FELSIC OR INTERMEDIATE VOLCANICS
V2	RHYOLITE
V3	TRACHYTE
V6	ANDESITE
V7	BASALT
V7	HIGH MAG BASALT
V8	PYROCLASTIC
V9	TUFF
V1	AGGLOMERATE
V1	ULTRAMAFIC
MA V	MAFIC VOLCANICS
FO	FOLIATED BASALT
FO m	FOLIATED BASALT-MAG
CO	CHLORITE-CARBONATE SCHIST
VS	VARIABLY SILICIFIED BASALT
VS m	VARIABLY SILICIFIED MAG BASALT

INTRUSIVE ROCKS

1A	ALBITITE
1G	GRANITE
1D	GRANODIORITE
1M	MONZONITE
1S	SYENITE
1P	PEGMATITE
1X	APLITE
1Z	GRANOPHYRE
1R	FELSIC INTRUSIVE
QFP	QUARTZ-FELDSPAR PORPHYRY
M1S	MAFIC SYENITE
2D	DIORITE
3D	DIABASE
3G	GABBRO
3L	LAMPROPHYRE
4P	PERIDOTITE
4Y	PYROXENITE
4S	SERPENTINITE
4U	ULTRAMAFIC

MISCELLANEOUS

FAZ	FAULT ZONE
RZ	RUBBLE
RZm	RUBBLE ZONE-MAG
SHZ	SHEAR ZONE
UNK	LITHOLOGY UNCERTAIN
VSZ	VARIABLY SILICIFIED ZONE (undetermined)
S10-S100	10% to 100% SILICIFIED
S10m-S100m	10% to 100% SILICIFIED-MAG
QVZ	QUARTZ VEIN ZONE
CBQV	CARBONATE-QUARTZ VEIN
GMFP	GHOSTMOUNT FAULT PLANE
IMPF	IMPERIAL FAULT PLANE
MCFP	McKENNA FAULT PLANE

Samples Gold in grams/t

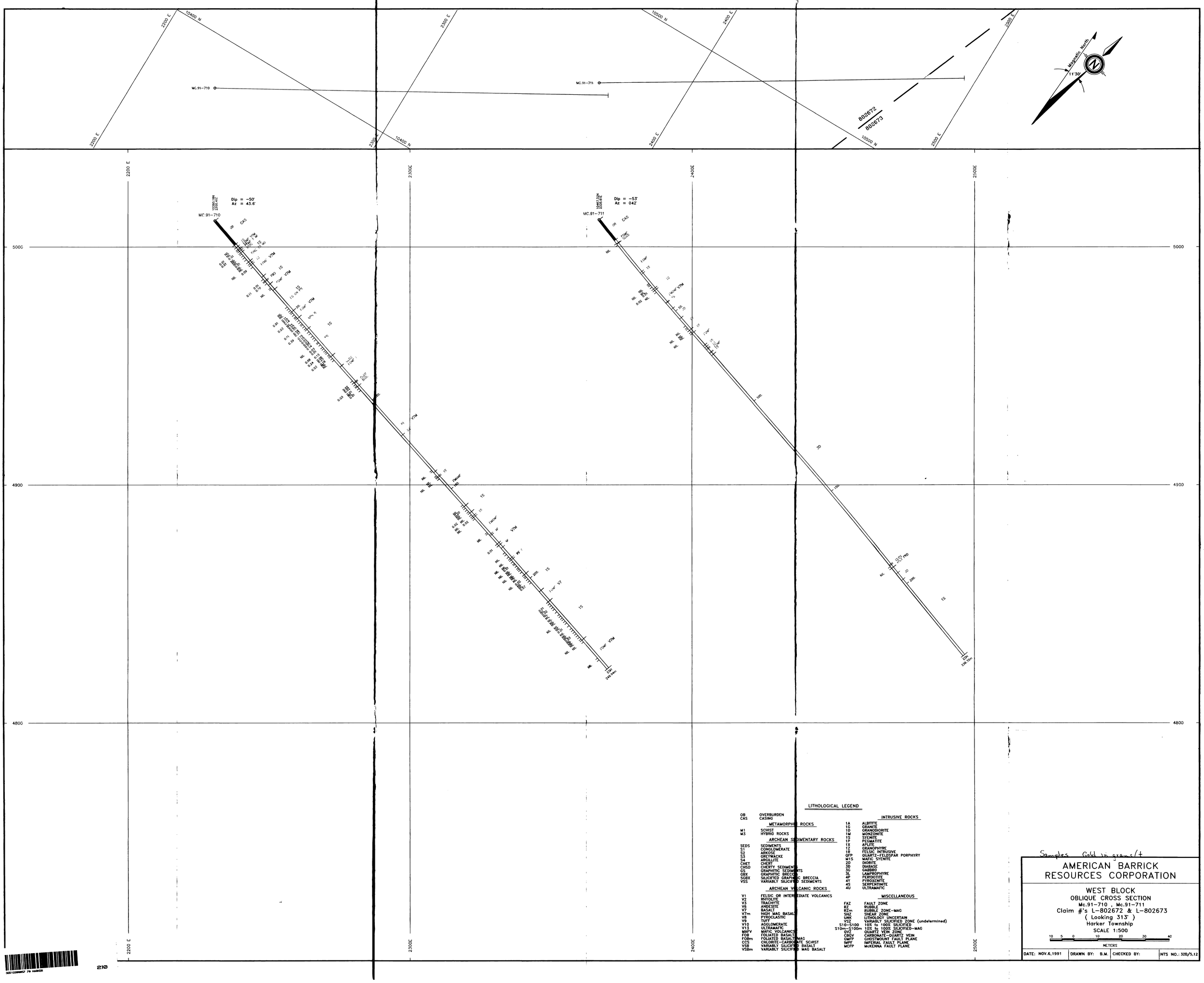
AMERICAN BARRICK RESOURCES CORPORATION

WEST BLOCK
OBLIQUE CROSS SECTION
Mc.91-713
Claim # L-802671
(Looking 270°)
Harker Township
SCALE 1:500

10 5 0 10 20 30 40
METERS

DATE: NOV. 7,1991	DRAWN BY: B.M.	CHECKED BY:	NTS NO.: 32D/5,12

32D12SW0057 70 HARKER 200



LITHOLOGICAL LEGEND

OB	OVERBURDEN		
CAS	CASING		
	METAMORPHIC ROCKS		INTRUSIVE ROCKS
M1	SCHIST	1A	ALBITITE
M3	HYBRID ROCKS	1G	GRANITE
	ARCHEAN SEDIMENTARY ROCKS	1D	GRANODIORITE
SEDS	SEDIMENTS	1M	MONZONITE
S1	CONGLOMERATE	1S	SYENITE
S2	ARKOSE	1P	PEGMATITE
S3	GREYWACKE	1X	APLITE
S4	ARGILLITE	1Z	GRANOPHYRE
CHET	CHERT	1R	FELSIC INTRUSIVE
CHSD	CHERTY SEDIMENTS	QFP	QUARTZ-FELDSPAR PORPHYRY
GS	GRAPHITIC SEDIMENTS	M1S	MAFIC SYENITE
GBX	GRAPHITIC BRECCIA	2D	DIORITE
SGBX	SILICIFIED GRAPHITIC BRECCIA	3D	DIABASE
VSS	VARIABLY SILICIFIED SEDIMENTS	3G	GABBRO
	ARCHEAN VOLCANIC ROCKS	3L	LAMPROPHYRE
V1	FELSIC OR INTERMEDIATE VOLCANICS	4P	PERIDOTITE
V2	RHYOLITE	4Y	PYROXENITE
V3	TRACHYTE	4S	SERPENTINITE
V6	ANDESITE	4U	ULTRAMAFIC
V7	BASALT		MISCELLANEOUS
V7m	HIGH MAG BASALT	FAZ	FAULT ZONE
V8	PYROCLASTIC	RZ	RUBBLE
V9	TUFF	RZm	RUBBLE ZONE-MAG
V10	AGGLOMERATE	SHZ	SHEAR ZONE
V13	ULTRAMAFIC	UNK	LITHOLOGY UNCERTAIN
MAFV	MAFIC VOLCANICS	VSZ	VARIABLY SILICIFIED ZONE (undetermined)
FOB	FOLIATED BASALT	S10-S100	10% to 100% SILICIFIED
FOBm	FOLIATED BASALT-MAG	S10m-S100m	10% to 100% SILICIFIED-MAG
CCS	CHLORITE-CARBONATE SCHIST	QVZ	QUARTZ VEIN ZONE
VSB	VARIABLY SILICIFIED BASALT	CBQV	CARBONATE-QUARTZ VEIN
VSBm	VARIABLY SILICIFIED MAG BASALT	GMFP	GHOSTMOUNT FAULT PLANE
		IMPF	IMPERIAL FAULT PLANE
		MCFP	McKENNA FAULT PLANE

Samples Gold in grams/t

AMERICAN BARRICK RESOURCES CORPORATION

WEST BLOCK
OBLIQUE CROSS SECTION
Mc.91-710 , Mc.91-711
Claim #'s L-802672 & L-802673
(Looking 313°)
Harker Township
SCALE 1:500

10 5 0 10 20 30 40
METERS

DATE: NOV.6,1991 | DRAWN BY: B.M. | CHECKED BY: | NTS NO.: 32D/5,12

11000 N

1900 E

11100 N

11200 N

2000 E

MC.91-712A

MC.91-712

Magnetic North

11°30'

11000 N

11100 N

11200 N

5000

4900

4800

MC.91-712A

MC.91-712

Dip = -53°
Az = 019°

OB

CAS

LITHOLOGICAL LEGEND

OB	OVERBURDEN		
CAS	CASING		
	METAMORPHIC ROCKS		INTRUSIVE ROCKS
M1	SCHIST	1A	ALBITITE
M3	HYBRID ROCKS	1G	GRANITE
	ARCHEAN SEDIMENTARY ROCKS	1D	GRANODIORITE
SEDS	SEDIMENTS	1M	MONZONITE
S1	CONGLOMERATE	1S	SYENITE
S2	ARKOSE	1P	PEGMATITE
S3	GREYWACKE	1X	APLITE
S4	ARGILLITE	1Z	GRANOPHYRE
CHET	CHERT	1R	FELSIC INTRUSIVE
CHSD	CHERTY SEDIMENTS	QFP	QUARTZ-FELDSPAR PORPHYRY
GS	GRAPHITIC SEDIMENTS	M1S	MAFIC SYENITE
GBX	GRAPHITIC BRECCIA	2D	DIORITE
SGBX	SILICIFIED GRAPHITIC BRECCIA	3D	DIABASE
VSS	VARIABLY SILICIFIED SEDIMENTS	3G	GABBRO
	ARCHEAN VOLCANIC ROCKS	3L	LAMPROPHYRE
V1	FELSIC OR INTERMEDIATE VOLCANICS	4P	PERIDOTITE
V2	RHYOLITE	4Y	PYROXENITE
V5	TRACHYTE	4S	SERPENTINITE
V6	ANDESITE	4U	ULTRAMAFIC
V7	BASALT		MISCELLANEOUS
V7m	HIGH MAG BASALT	FAZ	FAULT ZONE
V8	PYROCLASTIC	RZ	RUBBLE
V9	TUFF	RZm	RUBBLE ZONE-MAG
V10	AGGLOMERATE	SHZ	SHEAR ZONE
V13	ULTRAMAFIC	UNK	LITHOLOGY UNCERTAIN
MAFV	MAFIC VOLCANICS	VSZ	VARIABLY SILICIFIED ZONE (undetermined)
F0B	FOLIATED BASALT	S10-S100	10% TO 100% SILICIFIED
F0Bm	FOLIATED BASALT-MAG	S10m-S100m	10% TO 100% SILICIFIED-MAG
CCS	CHLORITE-CARBONATE SCHIST	QVZ	QUARTZ VEIN ZONE
VSB	VARIABLY SILICIFIED BASALT	CBQV	CARBONATE-QUARTZ VEIN
VSBm	VARIABLY SILICIFIED MAG BASALT	GMFP	GHOST MOUNT FAULT PLANE
		IMPF	IMPERIAL FAULT PLANE
		MCFP	McKENNA FAULT PLANE

Samples sold in grams/t

AMERICAN BARRICK RESOURCES CORPORATION

WEST BLOCK

OBLIQUE CROSS SECTION

Mc.91-712 , Mc.91-712A

Claim # L-641390

(Looking 289°)

Harker Township

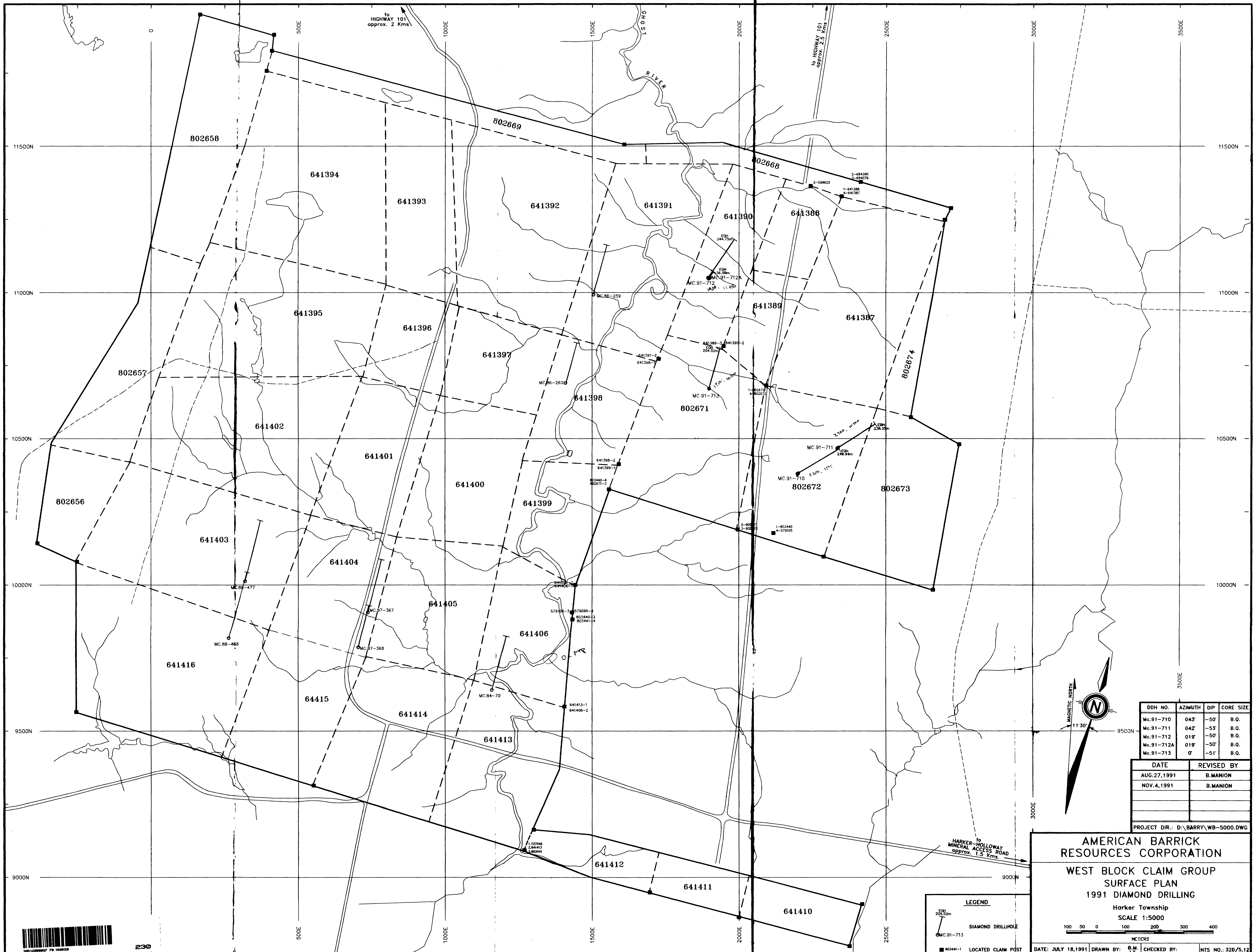
SCALE 1:500

10 5 0 10 20 30 40

METERS

DATE: NOV.7,1991 | DRAWN BY: B.M. | CHECKED BY: | NTS NO.: 32D/5,12

220



DDH NO.	AZIMUTH	DIP	CORE SIZE
Mc.91-710	043°	-50°	B.Q.
Mc.91-711	042°	-53°	B.Q.
Mc.91-712	019°	-50°	B.Q.
Mc.91-712A	019°	-50°	B.Q.
Mc.91-713	0°	-51°	B.Q.

DATE	REVISED BY
AUG.27,1991	B.MANION
NOV.4,1991	B.MANION

PROJECT DIR.: D:\BARRY\WB-5000.DWG

AMERICAN BARRICK
RESOURCES CORPORATION

WEST BLOCK CLAIM GROUP
SURFACE PLAN
1991 DIAMOND DRILLING

Harker Township

SCALE 1:5000

DATE: JULY 18,1991 | DRAWN BY: B.M. J.T. | CHECKED BY: | NTS NO.: 32D/5,12

230