

092J/15

# KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

820477

To.....R. A. Dujardin.....From.....Fred Daley.....

Subject Wayside Property, Amazon Resources.....Date.....October 27, 1986.....  
Carpenter Lake Resources  
NTS 92 J/15W

Daley and Taylor spent 2 days (Oct 8,20) examining the Wayside Property owned jointly by Amazon Petroleum and Carpenter Lake Resources. The property is located at the west end of Carpenter Lake, 3 km north of Goldbridge, and consists of 29 Crown Grants covering the old Wayside Mine workings and 38 modified grid claims covering areas west and south east of the workings.

From 1914 to 1937 the Wayside Mine produced 43,094 tons of ore averaging .12 oz/t from a series of quartz veins within an altered diorite-gabbro stock. The setting is thought by some to be analagous with the Bralorne-Pioneer Camp 11 km to the south which has been B.C.'s main gold producing camp (7.9 mt @ .53 oz/t).

In September 1986 Beacon Hill Consultants, at the request of Amazon Petroleum, compiled all available public and private data on the Wayside Mine area. This information is contained in a report by P. Stokes (Sept, 1986) which was made available to Kerr Addison prior to the field visits.

## Regional Geology

As described in Stokes's 1986 report the Wayside property is underlain by the Bridge River Group, a series of Permian to Jurassic oceanic eugeosynclinal sediments (Fergusson series, Noel Formation, Hurley Formation) and volcanics (Pioneer Formation). Intruded into this volcano-sedimentary package are Upper Jurassic Bralorne Intrusives, a north trending belt of gabbro to diorite stocks. Major north to northwest trending faults and shear zones (Fergusson Creek Fault, Cadwallader Shear Zone) bound the district. Serpentinized Bralorne Intrusives occur adjacent to the Cadwallader Shear Zone. Gold bearing quartz-carbonate mariposite veins are spatially related to these serpentinite bodies.

## Property Geology

Although the property is 11 km north of the Bralorne Deposit, it has several geological features similar to Bralorne including

- i. The presence of gold-quartz veins within the Bralorne diorite-gabbro intrusives.

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- ii. Similar vein mineralogy and alteration. Both vein systems are relatively sulphide poor, pyrite being the main sulphide with 3-5% content. The vein gangue is usually quartz-carbonate (calcite and/or ankerite) and talc with variable mariposite.
- iii. Multi phase shearing. Bralorne is situated along the Cadwallader Shear Zone . Although the northward extension of this main break would be 1 km west of the Wayside veins, there is evidence in the Wayside adits of considerable shearing , both syn and post-veining. The Fergusson Fault passes .5 km east of the Wayside vein system.
- iv. Spatial relationship between gold-quartz veins and serpentinite bodies. Local serpentinitization is seen adjacent to and along strike of the Wayside veins.
- v. Polyphase Folding. In both the Wayside and Bralorne areas, the adjacent greenstones and cherts exhibit steep axial plane cleavage, tight asymmetric fold closures and crenulation cleavages.

## Exploration Potential

The exploration potential of the Wayside property should be considered with respect to 4 important points.

1. Immediate Drill Targets. From previous data supplied in Stokes's 1986 report, I think there is excellent potential for ore shoots occurring below the last developed level (No. 9) for example:

- a. Construction of drill section 80-81/10 (see attached section) shows that a 1980 drill hole intersected the Wayside vein approximately 20 m below the No. 9 Level. This intersection ran 4.5 m of 1.76 oz/t Au including a 3 m section of 2.6 oz/t Au. This intersection has not been intelligently followed up.

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- b. An excerpt from a 1972 report (Kelly, 1972) states that "On November 2, 1971, J.P. Elwell, P.Eng. made a progress report on the Wayside Mine property to Dawson Range Mines Ltd. The mine had been partially de-watered to a point just below the eighth level, 320 feet vertically below the No. 5 adit. The principal objective was to sample the vein on the eighth level, as previous reports had indicated that it improved in width and grade to the south-east. It was believed to form part of an important ore shoot, which had been found on the ninth level at the time of the closure of the mine".

An important point is that the mine shut down in 1953 due to "legal difficulties" not because of negative geological results.

- c. There is a close similarity between the style of gold mineralization seen at the Wayside property and that at Bralorne. The Bralorne vein systems extended for 1800 m below surface. To date, only the upper 300 m of the Wayside vein system has been tested, and it is evidently open at depth with indications of ore grade intersections.
2. Property scale projects to define additional drill targets. Two other small vein systems are exposed on the property 3T & Commodore). Their extent and potential has not been delineated. As well, 1986 logging road construction and detailed prospecting has revealed additional zones of major faulting and quartz-carbonate-mariposite alteration. These targets also warrant detailed geological studies.
3. It's proximity to a major gold producing camp. On a regional scale. Kerr Addison has an opportunity to get involved in the most prolific gold producing camp in the Canadian Cordillera. The property available affords both immediate drill targets as well as a valid opportunity to evaluate other prospects in the district.

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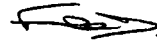
Subject..... Wayside Property..... Date..... October 27, 1986.....

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4. Previous exploration programs on the property have been poorly planned and do not accurately evaluate the potential. The major reason for this is that until now, a lot of the previous data was either not available (privately held or thought to be lost) or was scattered amongst several unconcerned sources. Consequently, a number of exploration attempts have either been repetitive or in complete ignorance of previous results.

## Recommendation

I think the Wayside property has good potential and presents an excellent exploration target. I think Kerr Addison should acquire an option on the claim group for a 1987 program to include drilling the depth extension of the Wayside Vein and to evaluate several surface targets with detailed mapping, geochem and limited geophysical surveys.



Fred Daley  
Project Geologist

TABLE 2

WAYSIDE PROPERTY SUMMARY OF SURFACE DIAMOND-DRILLING  
'WAYSIDE VEIN'

DDH	DIR	INCL	LENGTH	CORE SIZE	NOTES
✓ 79-S-7	240°	-55°	17.07 m		Two veins intersected - no significant assays n.b. 0 - level
✓ 79-S-8	240°	-80°	21.6 m		Qtz veins at 4.6-5.2 m, 17.2-20.1 m, 20.6-21.2 m 20.6-21.2 m - 0.005 oz/t Au, 0.11 oz/t Ag n.b. 0 - level
✓ 79-S-9	270°	-80°	26.8 m		17.7-18.3 m - 0.52 oz/t Au, 0.14 oz/t Ag n.b. 0 - level 20.7-24.1 m - 0.03 oz/t Au, 0.08 oz/t Ag 29.1-30.2 m - 0.15 oz/t Au, 0.09 oz/t Ag
* ✓ <u>80-S-10/ 81-S-10</u>	215°	-56°	383.1 m		208.8-213.4 m - Qtz vein; 208.8-211.8 m - 2.63 oz/t Au, 1.02 oz/t Ag <i>1.76 opt over 4.5m w/ 3m @ 2.6 opt</i>
✓ 81-S-11	235°	-60°	233.8 m		229.8-232.9 m - Qtz. vein - 0.003 oz/t Au
✓ 84-WS-1	240°	-60°	236.8 m		211.8-214.9 m - Qtz veining, alteration 211.8-212.6 m - 0.018 oz/t Au
✓ 84-WS-2	238°	-60°	45.7 m		Abandoned in o.b.
✓ 84-WS-2A	238°	-65°	51.8 m		Abandoned in o.b.
✓ 84-WS-6	213°	-78°	216.4 m		No significant assays - should be relogged
85-07	245°	-45°	267.0 m		No significant assays - should be relogged

PAXTON ADIT  
2792.7

ly ribboned, fractured  
quartz-siderite fissure  
in

"0" ADIT  
2731.3

finely ribboned 10"  
quartz vein, siderite  
calcite, mariposite  
traces cpy, py

Au oz/t	Ag oz/t
0.30	0.10
5.12	1.20

NR 1 ADIT  
2647.1

portal moved  
back.

Shop

YSIDE C.G.  
L. 3036 M. 57

Au oz/t	Ag oz/t
0.90	0.20
1.60	0.20

"2 M" ADIT  
2460.1

Shop

quartz, siderite  
calcite vein  
materials—  
mariposite in  
wall rocks

NR 3 ADIT  
2353.7

NR 4 ADIT  
2266.3

NR 4 W/ADIT  
2266.3

NR 5 ADIT  
2147.6

EAST-DRIFT VEIN

NOTMAN VEIN

albite  
veining

80-81/11  
80-81/10 215/-56 383m

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VERTICAL PROJECTION  
OF DRILL INTERSECTION  
4.5m of 1.76 oz/t Au  
with 3m of 2.6 oz/t Au.  
APPROXIMATELY 20m  
BELOW LEVEL 9.

CARPENTER LAKE

Full Basin Elevation 2136'

Sample	Width	Gold oz/ton	After
7732	36"	0.19	J.P. Elwell
7730	6.4'	0.47	J.P. Elwell
7729	36"	0.83	J.P. Elwell
7731	36"	0.21	J.P. Elwell

NR 8 LEVEL  
(1823)

NR 7 LEVEL  
(1951)

NR 9 LEVEL  
(1735)

SHAFT

portal moved  
back &  
now  
caved.

MINE

L. 3036