VB-WILLA

## **MEMORANDUM**

J.A. Chapman Mining Services

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Date:

March 17, 2003

To:

File

From: John Chapman

Re:

**Telephone Meeting with Len Werner** 

CC.

David Makepeace, Jim Marlow

As part of Orphan Boy Recourses Inc.'s due diligence review on the Willa deposit, Len Werner, P.Geo., former Willa Project Site Exploration Manager, was contacted by telephone (Maple Ridge: 604.467.9443) to discuss the mid 1980's activities at Willa. In attendance on the speaker-phone were David Makepeace, Jim Marlow and John Chapman.

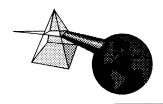
We were particularly interested in Len's experience with discharge water quality during operations and with his perceptions regarding present and potential future metal leaching and acid rock drainage in and around the workings.

Len indicated that only small sumps were used underground to clarify the discharge waters during mining and drilling. He confirmed that there was no clay and only silicified, massive (not broken) and competent rock in and around the deposit, resulting in no silt or clay fines being generated during operations. He reported that broken material from blasting and drilling was coarse and sand like – therefore settling in water very rapidly.

On the matter of possible metal leaching and aqueous transport, Len indicated that he did not consider this an issue now or in the future because of: (1) the massive (unfractured) and silicified nature of the rock in and around the deposit, (2) the relatively low sulfide content that does not appear to be very reactive to oxidation, and (3) low water inflow (mainly from a few long up-holes).

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February 10, 2003

Mr. Toshiaki Suyama (Dowa representative), Mr. Ernst Binder (Procon representative), Mr. Steve Phillips (Local Geologist) and I visited the Willa property on November 26 and 27, 2002.

November 26, the team toured the 1025 Level underground workings and inspecting the 1025 and 1100 Level portal areas. There was approximately 100 liters/minute flow of water coming out of the 1025 Level portal while there was no apparent flow from the 1100 Level portal (partially caved). The 1025 Level mine water was clear coming out of the portal. It entered a culvert that went underneath the dump area. It exited approximately 150 meters to the north of the portal. The water ran over the toe of the dump and was channelled into a small swamp (500 m²). Water below the swamp runs over very flat terrain (< 5%). It is assumed that it will eventually flow into Aylwin Creek at least 250 meters downstream of the swamp.

The 1025 Level dump is greenish-grey in colour and appears to be very fresh-looking (newly mined rock). There is no limonitic staining (rust colour) on the dump material. There were no sulphides observed in any of the dump material. It appeared to be mainly composed of green-grey volcanic siltstone and tuff rock with minor volumes of quartz latite porphyry. The 1100 Level dump appeared to be composed of similar rock with no sulphides. This dump also appeared to be very fresh-looking.

The low-grade stockpile appeared to be composed of quartz latite porphyry, feldspar porphyry and some heterolithic breccia. Minor sulphides were observed in some of the rock. There was no limonitic staining anywhere on the dump or at its toe. Several small trees and bushes were growing on the dump.

November 27, Mr. Suyama and I visited the older workings (pre-1980). The Willa No. 1 and Rockland Adits were completely caved. The Willa No. 2 and Little Daisy Adits were partially open at the portal but were both caved within 5 meters of the portal. There was no mine water observed coming out of any of the four portals. The four dumps were small and very overgrown. There was no limonitic staining on the Little Daisy and Rockland Adit dumps. The Willa No. 1 and Willa No. 2 adits were collared in the upper portion of the Main Zone deposit. The small cliffs around these adits are weathered naturally limonite and chlorite. Aylwin Creek flows between the two adits (Willa No. 1 – 4 meters, Willa No. 2 – 8 meters). What is left of these two dumps (washed away by Aylwin Creek spring runoff) has some limonitic staining < 10 %). The volume of both these dumps is approximately 35 m<sup>2</sup>.

Original signed by
David Makepeace, M.Eng., P.Eng.
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Mr. John Chapman, Project Manager, Goldstream Willa Gold Project, Orphan Boy Resources Inc. via J.A.Chapman Mining Services, 18 – 1480 Foster St., White Rock, BC, V4B 3X7

Dear Mr. Chapman,

February 10, 2003

I visited the Willa Property several times on behalf of Treminco Resources in about 1990 and 1991. The purpose for my visits was to take water samples for analysis from the 1025 level discharge, and on one occasion to take samples from the stockpile of "development ore" situated a short way above the Red Mountain Road turn-off. I visited again on behalf of Orphan Boy Resources Inc. in November of 2002, on November 14/15 and again on November 26. The last-mentioned visit was to accompany Mr. Ernst Binder (Procon), Mr. David Makepeace (Geospectrum Engineering) and Mr. Toshiaki Suyama (Dowa) on an inspection of the Willa on behalf of Orphan Boy.

I noted very few differences between my visits of 1990/91 and those of 2002. The principal change was the reduced volume of water issuing from the 1025 level adit portal in 2002. The waste dumps at this level and at the 1100 level appeared as "fresh" as they did in 1990/91. The rocks on the surfaces of the dumps are mostly quite light coloured, apparently mostly of porphyritic igneous and volcanic rocks. There is virtually no "iron-staining", and almost no sulphides may be seen. There appears to be no water entering the dumps (other than direct precipitation), or issuing from them. In the case of the 1025 level dump the water issuing from the adit is piped well clear of any possible interaction with the dump rock.

The relatively small stockpile of "development ore" is situated on a shallow slope and again has no drainage visible into or out of the dumped material. The appearance has changed marginally since 1990/91. In particular there is a little more "iron-staining" than I recall from the earlier sampling visit I made. There is clearly a percentage of sulphides (pyrite and lesser chalcopyrite) visible in the surface of this dump. Vegetation is starting to encroach in places on to the toe of the dump.

It should be noted that natural "iron staining" is common on rock outcrops in the area.

Yours truly,

Original signed by

S.L.Phillips, B.Sc. Geologist

Copies: SLP File

Mr. Jim Marlow, Principal, Marlow Mining Engineering Services