

bedded structure very well as could be seen from Fig. 1.

In February of this year when examining a portion of the Chitaldrug schist belt, I noticed again quite a large number of pebbles of quartzite with well pronounced current bedded structure, occurring in the conglomerates exposed to the east of Talya (Holalkere Taluk). Fig. 2 is an accurate drawing of one of such pebbles collected from this area and retained in the museum of the Mysore Geological Department.

My assistant Mr. B. N. Raghunatha Rao who mapped the area further south has collected recently a few of such pebbles in the conglomerates near Madadkere. Therefore, it is clear that pebbles of current bedded quartzites do occur in some of the conglomerates of both the Shimoga and the Chitaldrug schist belts.

In the Saulanga Holalur occurrences of the Shimoga schist belt I was unable to trace the source of such pebbles, since the current bedded and ripple marked quartzites of the area were found to be consistently overlying the conglomerates and consequently of a younger formation. But in the vicinity of Talya in the Chitaldrug schist belt, the current bedded quartzites were found to be older than the

Current Bedded Pebbles in the Dharwar Conglomerates.

In April 1935, while studying the nature of some of the conglomerate beds in the neighbourhood of Saulanga and Bikonhalli (Shimoga District), I noticed in some of them a few pebbles of quartzite with indications of current bedding. The pebbles were small, hardly exceeding 2 or 3 inches in diameter and consequently their structure was not well pronounced. Subsequently in December 1936, while examining the eastern extension of these conglomerates in the neighbourhood of Holalur, I was able to find many more of such pebbles, the bigger ones being nearly $1\frac{1}{2}$ to 2 feet in length. Some of them show the current

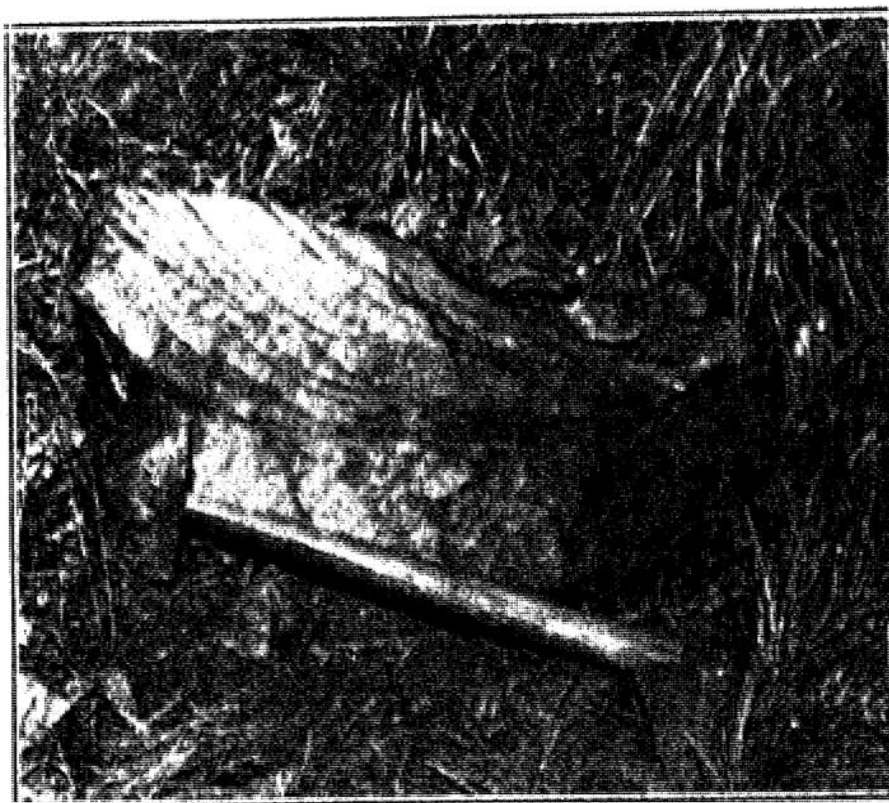


Fig. 1. Quartzite pebble showing current bedding.
From the conglomerate bed about 6 fur. N.W. of Holalur,

seem to be any other recorded instance from other parts of India, wherein such current bedded pebbles have been noticed in the Dharwar conglomerates.

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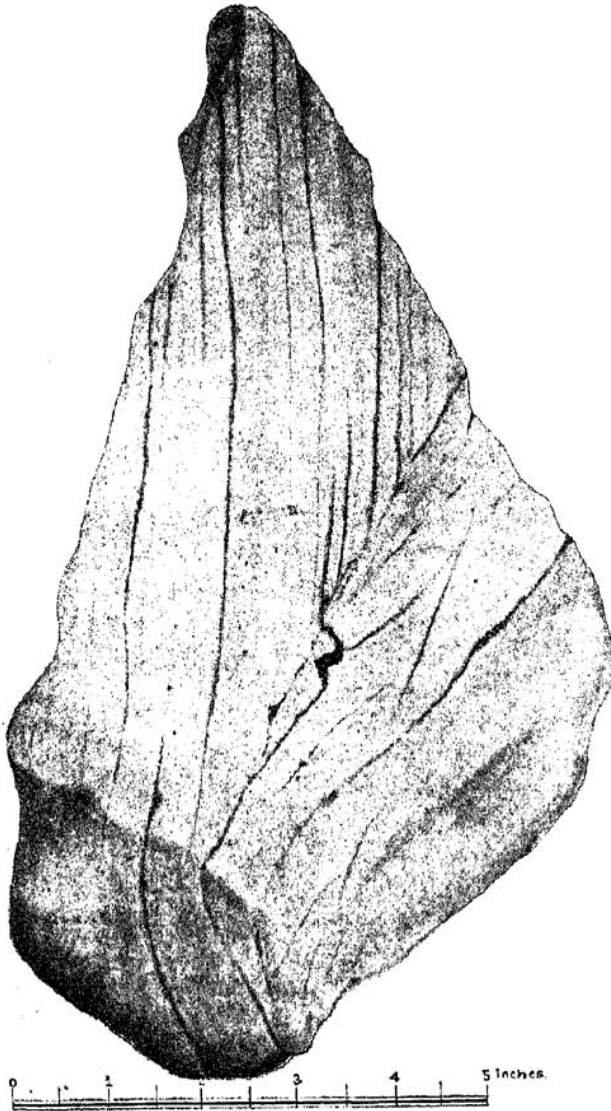


Fig. 2.

Current bedded quartzite pebble from Talya conglomerate.

conglomerates and underlying them. In this area it was clear that such pebbles were derived from the breaking down of the pre-existing older current bedded quartzites. It is probable that there are different series of current bedded quartzites in the Dharwars and those older than the conglomerates have evidently formed the source of the current bedded pebbles.

The classification and correlation of the quartzites, conglomerates and the other constituents of Dharwars will be dealt with fully in due course in the publications of the Mysore Geological Department. But for the present it would suffice to lay stress on the fact that the finding of the current bedded pebbles in the conglomerates forms one more proof in support of the sedimentary origin of some of the Dharwar conglomerates. There does not