



The proposed method of fixing the shooting vessels position with Decca was found to depend heavily on two factors:

- Coincidence of readings between recording vessel and shooting vessel
- Determination of distance between two vessels at time of readings

Position of the shooting vessel would then be determined from an equation of the form used in hyperbolic mode configuration.

$$S = M + D - 2P$$

where

- S = distance between slave and shooting vessel
- M = distance between slave and recording vessel
- D = distance between two vessels
- P = reading on shooting vessel

In applying this method, variations of these two factors often produced lateral and accumulative errors in the computed position of the shooting vessel. Therefore, shotpoint positions were computed from waterbreak data.