

202

GROUND WATER OBSERVATIONS IN THE KALA OYA BASIN

S. Arumugam

The Kala Oya Basin is one of the first areas to be developed under the Mahaweli Diversion Project. The waters resources of the basin would be augmented with the Mahaweli waters, diverted from Polgolla and at Bowatenna. In consequence, there is expected to be fundamental changes in the ground water regime of the Kala Oya basin.

Efforts have been made to collect data of the ground water found in the basin, before the entry of the Mahaweli waters.

The paper contains results of observations made of the ground water heights and the quality of water found in 21 selected wells in the area of the basin. These observations were taken monthly for eighteen months before the diversion was effected and would form a useful basin for comparison with condition that would very soon commence to prevail in the area, now that diversion has been effected and Mahaweli waters have commenced to flow into the Kala Oya Basin.