Water Harvesting from Roads in Tigray, Northern Ethiopia: In Figures



By:
Kifle Woldearegay (Mekelle University, Ethiopia)
Frank Van Steengergen (MetaMeta, The Netherlands)



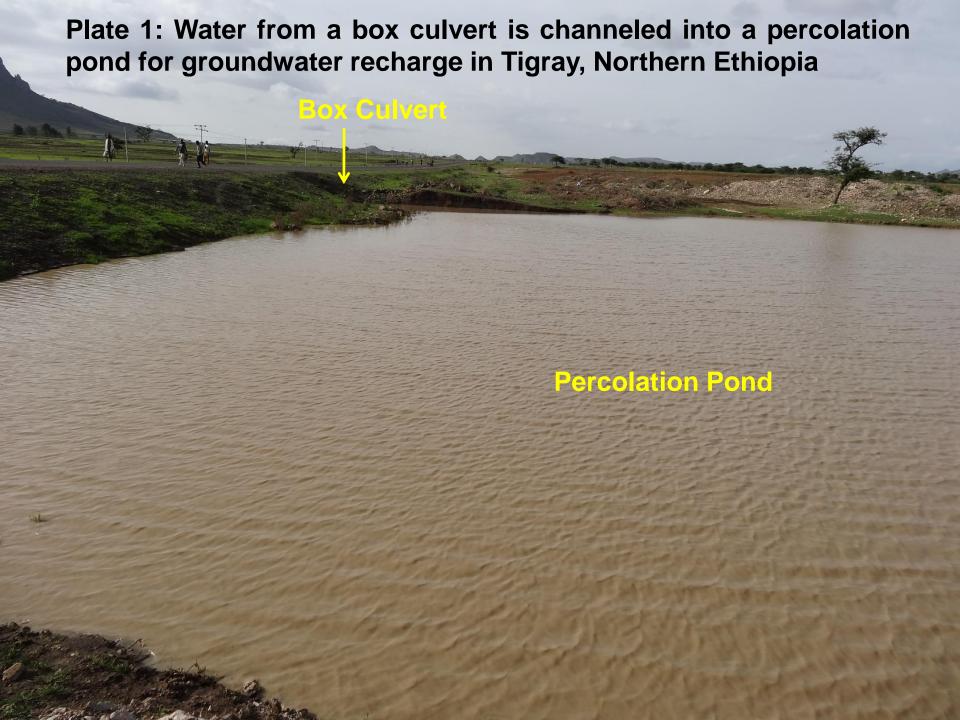
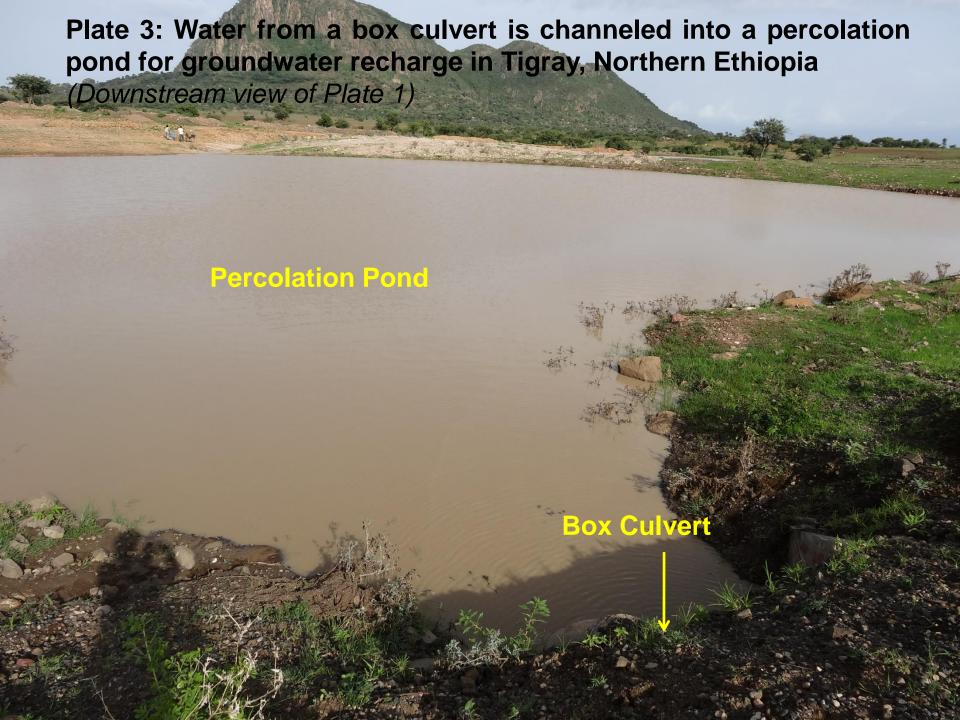
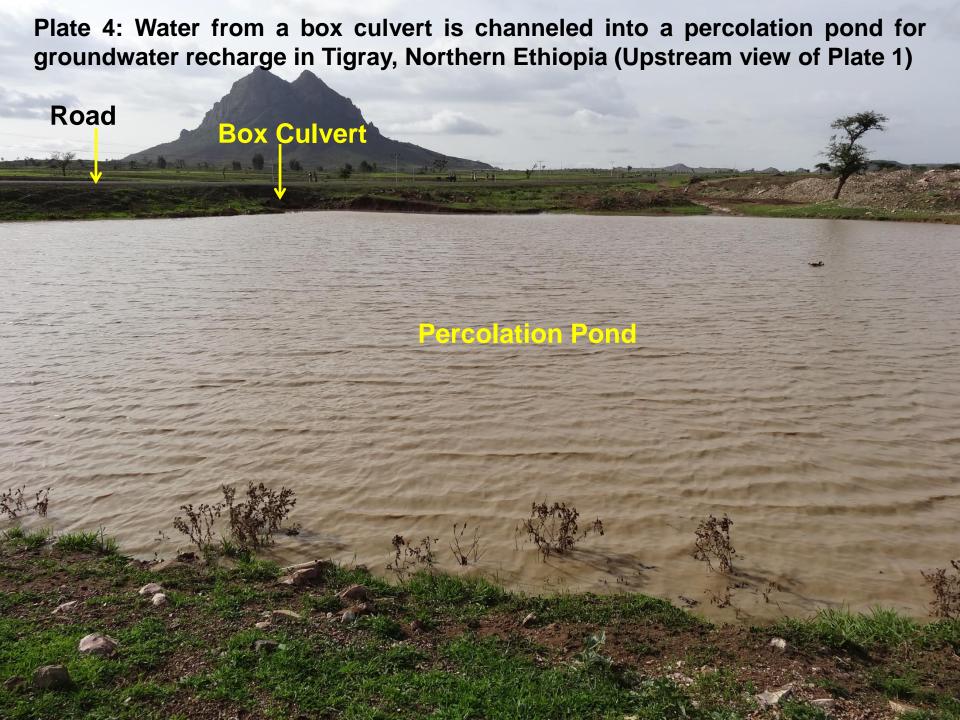


Plate 2: Water from a box culvert is channeled into a percolation pond for groundwater recharge in Tigray, Northern Ethiopia (side view of Plate1)







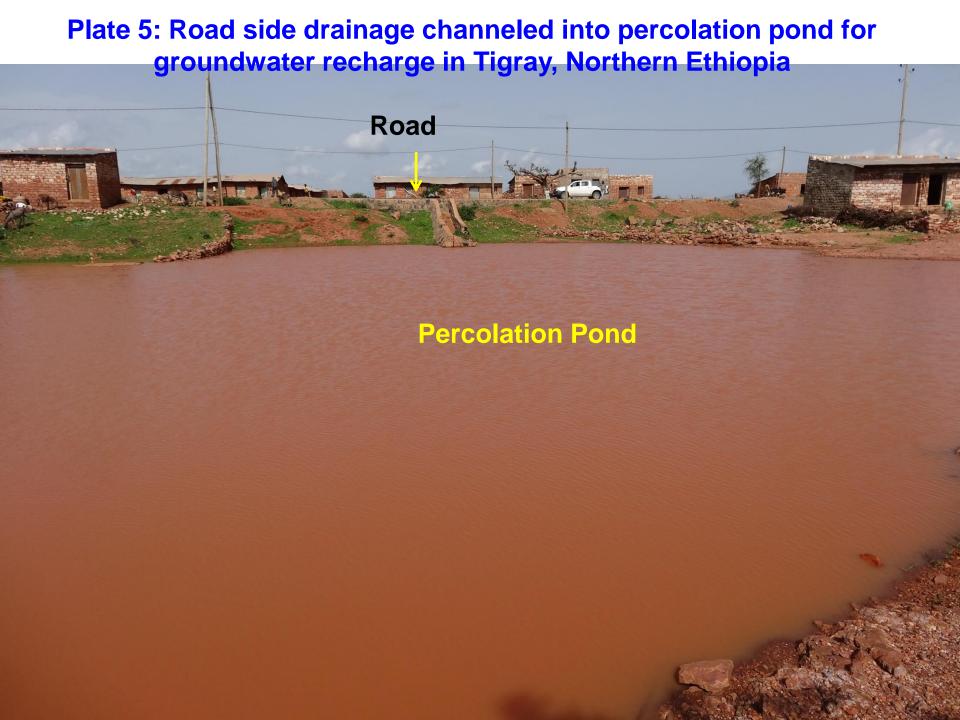






Plate 8: Water from a box culvert is channeled into a percolation pond for groundwater recharge, Tigray, Northern Ethiopia **Box Culvert Percolation Pond**

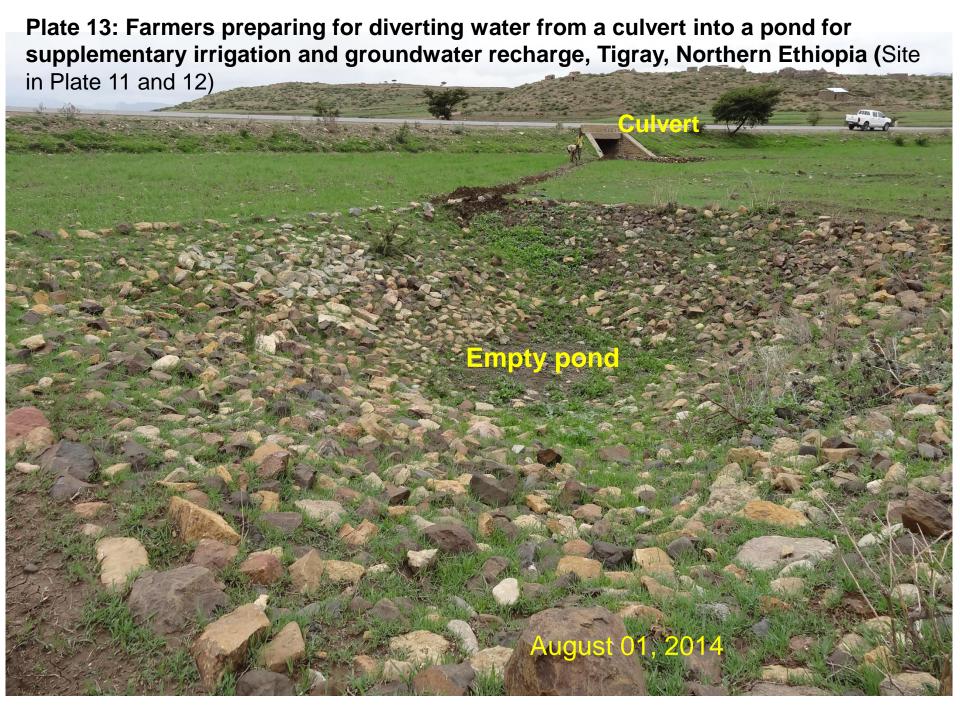
Plate 9: Water from a pipe culvert is channeled into a percolation pond for groundwater recharge, Tigray, Northern Ethiopia Pipe Culver **Percolation Pond**



Plate 11: Farmers diverting water from a culvert into a percolation pond for supplementary irrigation and groundwater recharge in Tigray, Ethiopia









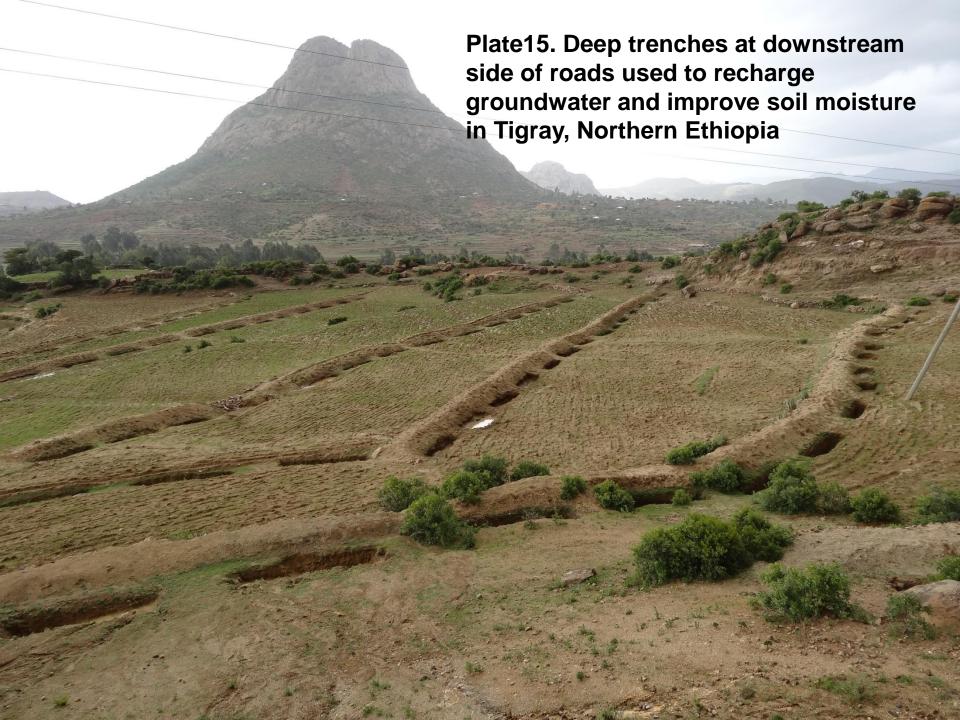


Plate 16a. Road side ponds to recharge groundwater and enhance in-situ moisture in soils in Tigray, Northern Ethiopia





Plate 16c. Road side ponds to recharge groundwater and enhance in-situ moisture in soils, Tigray, Northern Ethiopia







June 2014



Plate 18a. Water from a culvert is channeled into farmlands with over 300m long trench, Tigray, Northern Ethiopia

Sept 2014



June 2014

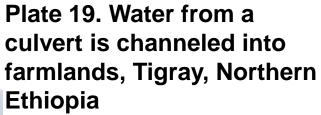


Plate 18b. Water from a culvert is channeled into farmlands with over 300m long trench, Tigray, Ethiopia

Sept 2014



June 2014





Sept 2014

Plate 20. Road side runoff is channeled into farmlands (as spate), Tigray, Northern Ethiopia



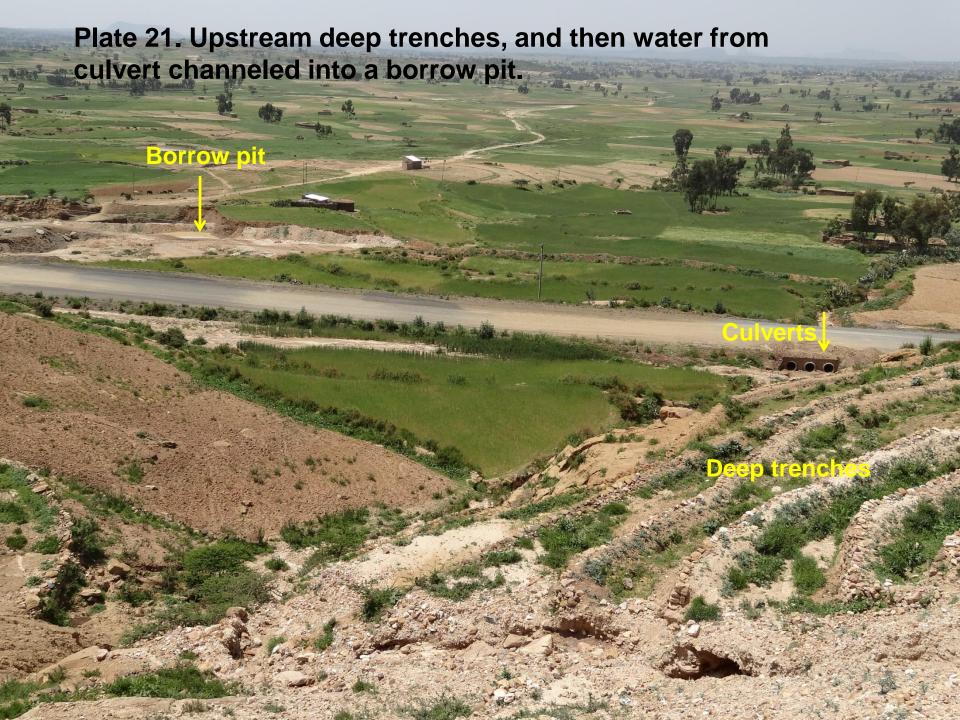






Plate 23. Panoramic view of channels constructed to divert water from culverts into a borrow pit shown in Plates 21, 22.

Plate 23. A pond used to store water from road side and from a culvert in Wukro area, Tigray, Northern Ethiopia





Plate 26. Road side runoff is diverted and spread into farm lands through series of channels, Tigray, Northern Ethiopia



