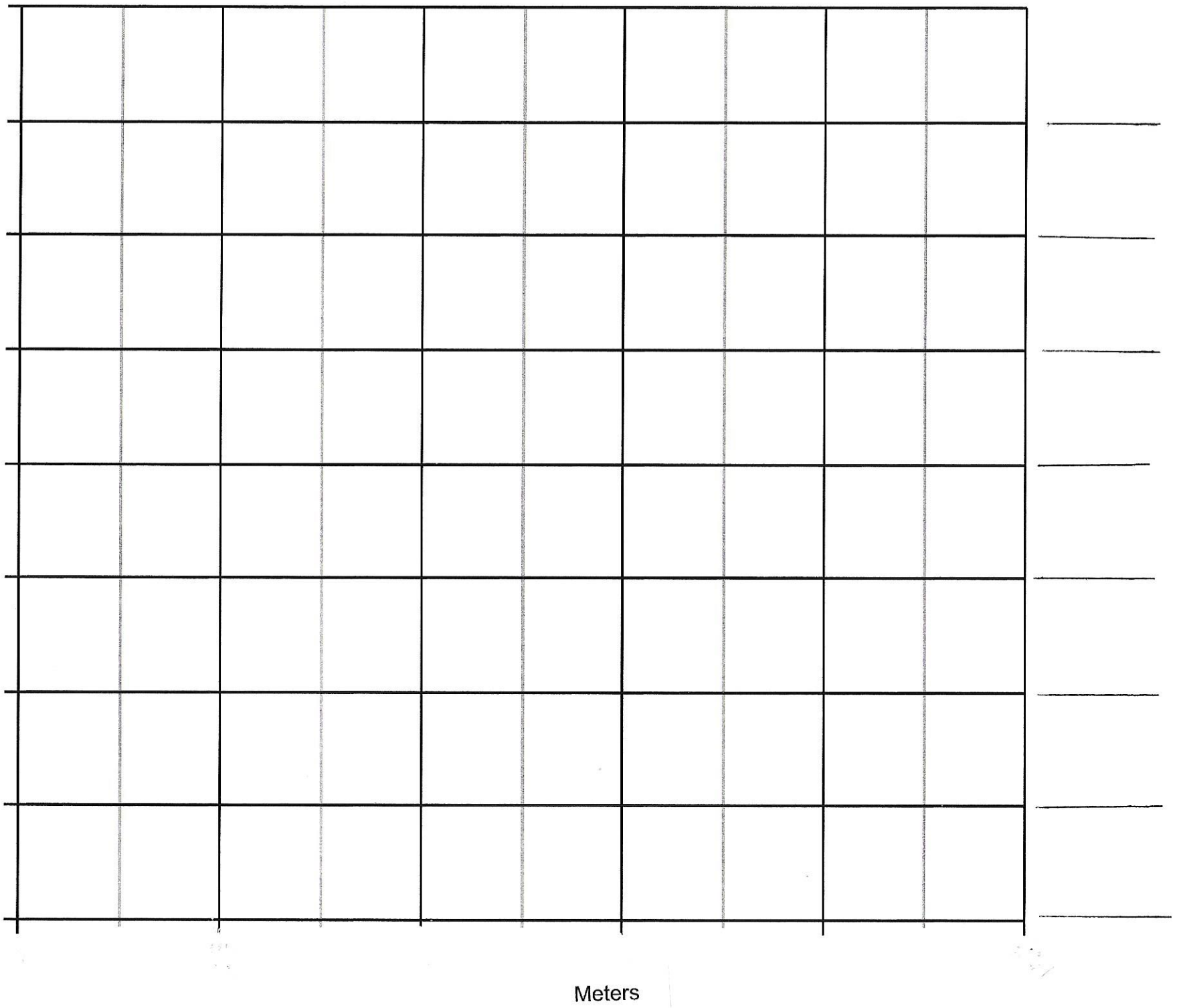How Deep are the Roots