

- 1075. Rama Mohan Rao, M.S., Mohan, S.C., Dutta, D.P. and Pandey, L.M. 1995.** Extent of torrents and *choes* in the Shiwalik region-an assessment using remote sensing techniques. In: Torrent Menace: Challenges and Opportunities (Eds.) G.Sastry, V.N.Sharda, G.P.Juyal and J.S.Samra, CSWCRTI, Dehradun: 37-45.

Severe erosion of soil and land resource prevalent in the Shiwalik hills is attributable mainly to peculiar geology and physiographical features coupled with denuded vegetation cover. Land degradation presents itself in the form of eroded land surface, dissected by gullies forming torrents (*choes*), which carry heavy discharge of runoff and silt to the flood plains, affecting agriculture, reservoirs, etc. An attempt has been made to assess and monitor the erosion hazard due to extension of torrents over past few years by visual analysis of Survey of India toposheets as base maps and satellite imageries obtained from IRS-IB and SPOT satellites.