

BOOK REVIEW

Erosion and Sediment Control Handbook by S J Goldman, K. Jackson, and
T A Bursztynsky, P E ,
McGraw Hill Book Company, 1986

The rising population pressures, improvement in living standards, rising demands on various resources including water, fossil fuels, etc. are leading to continuous disturbances on the land surface of the earth. Various construction activities, building of dams and roads, mining, deforestation, etc. are all resulting in increasing soil erosion rates. These have focussed attention on various erosion and sediment control measures. This handbook is designed for a variety of readers, as a text book as well as a reference book for field personnel. Specific chapters have been devoted to each of the major subject areas of erosion control. These include : (i) the erosion problem and its causes, (ii) principles of erosion and sediment control, (iii) developing and enforcing an erosion and sediment control program, (iv) estimating runoff, (v) estimating soil loss with the universal soil loss equation, (vi) vegetative soil stabilization methods, (vii) design and installation of water conveyance and energy dissipation structures, (viii) sediment retention structures, (ix) preparing and evaluating an erosion and sediment control plan, and (x) maintaining erosion and sediment control measures. Three appendices are also provided to cover : (i) model grading and erosion and sediment control ordinance (ii) tables and charts for designing grass lined waterways, and (iii) answers to the calculation problems.

The authors have tried to present the material in a straight forward manner in plain simple language. Photographs, illustrations, checklists, charts and tables have been used wherever possible. This book is a useful reference for all those who are interested in or deal with this important area of erosion and sediment control.

Dr. S M Seth
Scientist 'F'
National Institute of Hydrology
Roorkee - 247 667 (U.P.)

