

THE ASSESSMENT OF THE LANDSLIDES HAZARDS IN TOWN-BUILDING PLANNING

DEMCHYSHYN M.G. Institute of Geological Sciences of the National Academy of Sciences of Ukraine, Kiev, Ukraine.

The town-building planning require the comprehensive areas assessment for its stability and first of all possibility occurring of landslides or other slopes deformations. The danger of the landslides occurrence depends on morphology and structure of a slope, mass volume involved into movement, distant of shift and its velocity, on energy that discharges by forces developing. In each particular (specific) case designing and the realisation of corrective or protection measures with the purpose of regulation of the slopes gravitational processes some analytical procedures should be carried out. On the basis of the analysis of topography relief, geological structure, hydro-geological conditions, physical-mechanical properties of rocks, data about character of display of exogenic geological processes, seismicity of territory, climatic data, conditions of a superficial drain, history of development and built-up of a slope it is necessary to establish:

- Border, in which can occur moving (deformation) material;
- Volumes of rocky material, involved in a movement (or deformation);
- Forms, created (arising) in result of landslide displacement;
- Duration of development landslide and its connection with other processes (phenomena);
- Opportunity and expediency of influence on development of processes, character and technical practicability of such influence at justified expenses;
- Damage, made by processes development (economic, social, ecological, aesthetic);
- Character of further use of territory.

There are given methods which permit to receive this indices and examples its using in town-building planning.