

THE PRINCIPLES OF GENERAL-PURPOSE GEOENVIRONMENTAL MAPPING

OSTROVSKY, V.N., TSYPINA, I.M. (All-Russian Research Institute for Hydrogeology & Engineering Geology (All-Russian Research Institute for Hydrogeology & Engineering Geology (VSEGINGEO), Moscow, Russia)

The general-purpose geoenvironmental mapping is suggested to be fulfilled using the following principles:

- the basic object of mapping is the geological space;
- to be mapped are anthropogenically affected and virginal geoenvironments;
- a map is compiled with the use of zoning by tectonic and morphogenetic principles;
- the map reflects integrated geological information of environmental importance;
- a required necessity is environmental assessment of information to be done on the basis of analysis of characteristics and processes having the highest ecological hazard.

The suggested principles were implemented in compiling the Geoenvironmental Map of the Central Eurasia on a scale of 1:2500000 with the participation of the specialists from Azerbaijan, Kazakhstan, Kirghizia, the People's Republic of China, Russia, Tadjikistan, Turkmenia, Uzbekistan under scientific supervision of VSEGINGEO. The Map is incorporated into «The Atlas of lithologo-geoenvironmental structural, paleogeographical maps of the region».

The principles were elaborated under the scientific leadership of G.S.Vartanyan with the participation of M.S.Golitsyn, V.S.Krupoderov, L.A.Ostrovsky, R.K.Shakhnova, A.I.Sheko, A.A.Shpak.