

## Figure 4. Erosion Control using Rock Riprap

More severe wave and ice action along KBS Lakescape Four called for *rock riprap* to control bank erosion. Geotextile erosion control fabric was laid over the bank and five feet out onto the lake bottom. The fabric keeps soil particles from being sucked out from beneath the rocks by wave action. In turn, the rocks hold the fabric in place.

When hard-armor is necessary, rock riprap is preferable to vertical sea walls. The nooks and crannies created by the rocks provide hiding places for fish and other aquatic animals. Turtles can also travel over the rocks as they make their way onto the shoreline to lay their eggs. Rock riprap is usually more expensive than vegetated erosion control techniques but may be necessary in especially harsh shoreline environments. With proper planning, rock riprap can be 'interplanted' with woody shoreline shrubs to improve habitat and give the shoreline a more natural appearance.

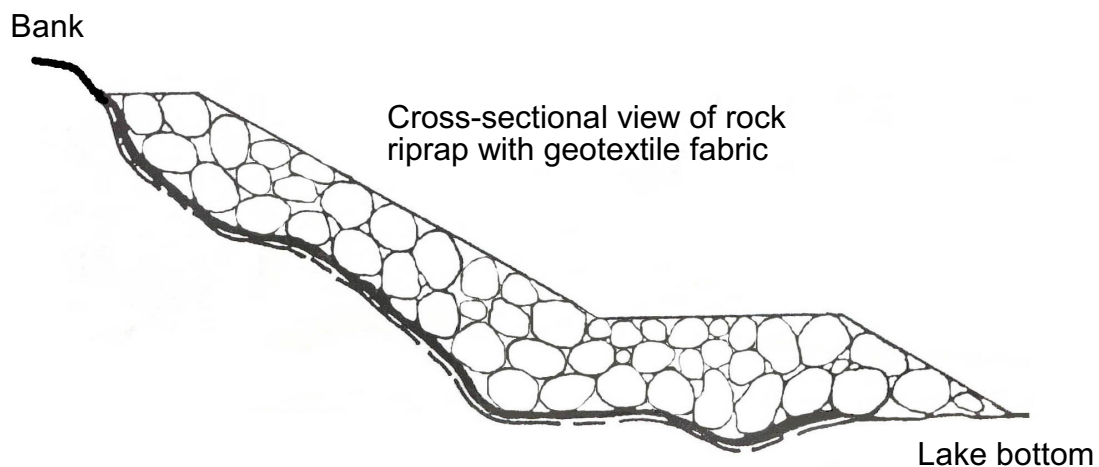


Image source: KBS Land and Water Program

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