

TECHNICAL DOSSIER

Title of the project	Post-Dam Ecologies of Sevhan Basin: Reconstructing a Vanished Migration Corridor
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Written statement, short description of the project in English, no more than 250 words

The city of Adana on the southern Mediterranean coast of Turkey is highly dependent on the Seyhan River, which flows through the urban settlement. Apart from its economic value for the surrounding agricultural lands, the basin is also an important refuge for migratory birds crossing the continent. Adana is the last place where bird communities coming from Africa gather before continuing their journey apart to Asia and Europe. The main attraction for thousands of birds is the basin's rich aquatic network, which is severely impacted by a series of dams built on the river channel. By their very nature, the dams prevent the flow of water, which is contrary to the fluvial principles of the river. The stability causes particle residues and heavy metal sedimentation in the water body and increases in invasive species' numbers as native species fail to compete. Because the sustainability of bird communities and the watershed depends on the migratory cycles of native fish species, the project proposes an infrastructural typology known as a 'fish ladder' that is mandatory for newly constructed dams, but is not currently in place at Seyhan Dam. However, this typology is reinterpreted in an unconventional way by extending it to the level of an urban park and creating a water corridor between the upper and lower parts of the dam that revives the vanished migration practices of native fish species. It integrates public spaces with a constructed riparian corridor and introduces volumes of an aquatic research institute that studies watershed ecologies.

For further information

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