



**Dr. Richard Storey**

**Position:** Postdoctoral Fellow

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**Project Name:** Assessing concentrations, sources and options for reducing contaminants in Pokhara Valley lakes

Duration of the Project: 1-2 years

**Summary:** The Lake Cluster of Pokhara Valley (LCPV), a Ramsar site, consists of nine lakes supporting high biodiversity values, important inland fisheries and a diverse tourist industry.

However, all lakes are degrading due to human activities. The

LCPV management plan (2018-23) states that lake restoration requires scientific baseline data and regular monitoring, and wide community collaboration. At present none of the lakes are being monitored regularly, and institutional capacity for monitoring is limited. We are looking into the potential to monitor the lake water quality using remote sensing and/or “citizen science” (involving local communities in collecting data). We hope to use this information to determine trends in water quality and identify sources of contaminants.



[Photo of research site of Richard Storey- Begnas Lake]