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Study on Aquatic and Terrestrial Life in Well Preserved Area Using Computational and Physical Modeling MIN JAE KIM, St. Mark's School, JO KYUNG, Princeton University — For most natural life in well-preserved aquatic and terrestrial environments to continue their existence, local administrations, policy-makers, careful visitors, and scientific concerns must devise good strategies to build a safe boundary for proliferation and preservation of endangered wild life. These strategies include, but are not limited to, controlling temperatures and minimum concentration of dissolved oxygen of the aquatic life. Therefore, in order to protect aquatic and terrestrial life in a given area, a study on the social customs of the local people and prediction of the critical saturation deficit of environmental factors is crucial in preventing extinction of well preserved life. In performing this study, this research uses computational simulations and mathematical modeling taking account of many factors.

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