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REVIEWER'S REPORT

Manuscript No.: IJAR-56213

Title: Ecological Cooling Network Planning for the Bonifacio Global City Watershed Through Biotope Mapping

Recommendation:

- Accept as it is
- Accept after minor revision.....**
- Accept after major revision
- Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		x		
Techn. Quality			x	
Clarity		x		
Significance		x		

Reviewer Name: Dr. Hari Prashad Joshi

Detailed Reviewer's Report

This study presents a timely and methodologically sound approach to addressing urban heat challenges through biotope mapping in the Bonifacio Global City sub-watershed. The integration of remote sensing data with ecological assessment criteria (D-A-R-H) demonstrates a robust framework for identifying cooling cores, corridors, and priority intervention areas. The resulting Ecological Cooling Network Plan offers practical, nature-based strategies organized under Creative, Improvement, and Conservation management categories that could inform similar rapidly urbanizing contexts. However, several revisions are recommended to strengthen the manuscript. First, the methodology section would benefit from clearer explanation of how the Land Surface Temperature data was integrated with the three base maps to derive the 51 biotope units. Second, while the D-A-R-H criteria are well-defined, the justification for modifying parameter thresholds for urban conditions should be elaborated. Third, the management strategies, though comprehensive, would benefit from more concrete implementation examples or precedent studies demonstrating similar interventions. Additionally, Figures 5 and 7 require scale bars and legends for independent interpretability, and Table 5's formatting needs adjustment for readability. The references are current and appropriate. With these revisions addressing methodological transparency and visual presentation clarity, this paper will make a valuable contribution to urban ecological planning literature.