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Abstract

Solid Waste Management in Northern Gaza Strip Governorate - A Study in Environmental Geography

This paper studies the types of solid waste and its management in northern Gaza Strip governorate. The study shows that 70% of the solid waste in the said governorate consists of organic substances, which is a close percentage to what is produced in other governorates of Gaza Strip whether refugee camps or cities. The study also shows that the daily

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produced amount of solid waste in the said governorate is 266 tons that costs 678300 new Shekels a day for collection and dumping. This is a costly price to be paid despite the lack of financial resources since the governorate financially relies on monetary aids and donations.

The study demonstrates that the solid waste collection and dumping system doesn't meet what is required for healthy management; waste collection serves 40% of the population only of the said governorate.

The most important findings of the study confirm that the number of waste containers is not enough in the said governorate. It is also not distributed geographically in an optimum manner; it is only well-distributed on 30% the governorate area while not properly distributed in 70% of the area.

The study recommends increasing the number of containers and re-distributing them in a manner that serves all the population of the governorate according to their proportional representation.

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(3) Palestinian national authority and institute of environmental geochemistry- University of Heidelberg, Germany, Monitoring of ground water and soil pollution levels in the Gaza Strip, December 2005, P. 100.

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(2)Hansjorg Oeltzschner. Dieter Mutz, Guidelines for an Appropriate management of domestic sanitary land fill sites, Deutsche Gesellschaft fur Technische Zusamm enarbeit (GTZ). January, 1994.

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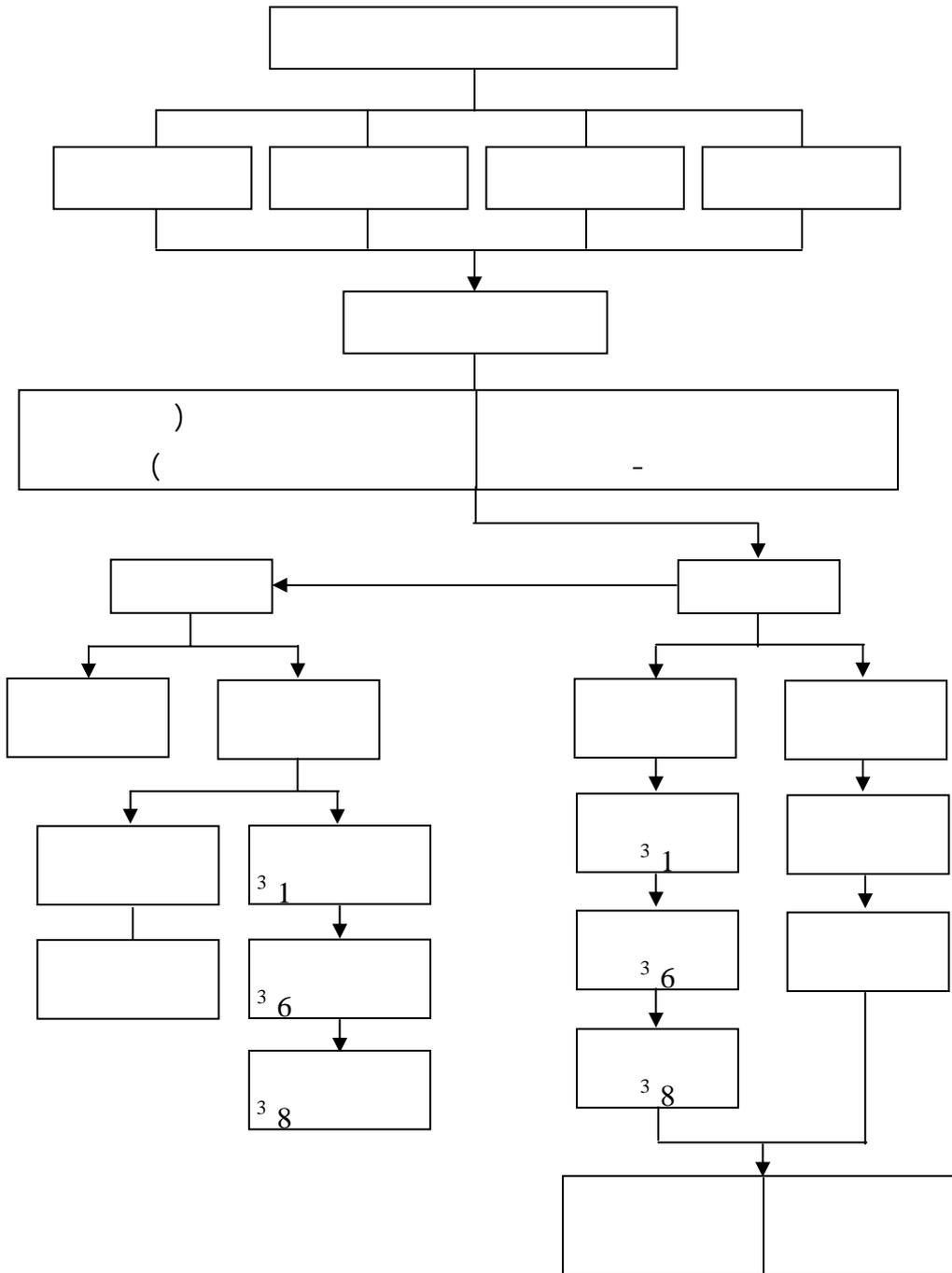
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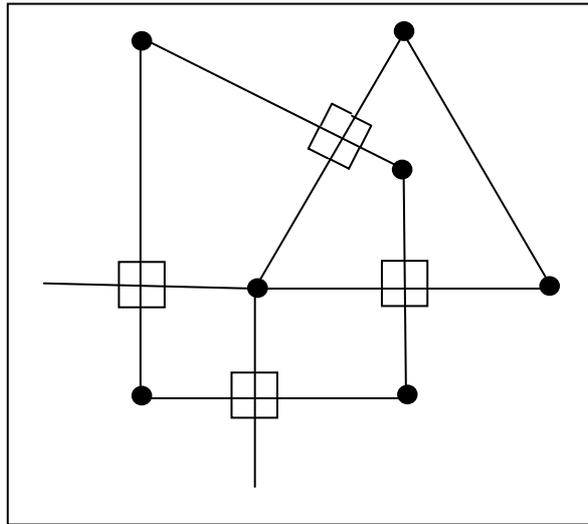
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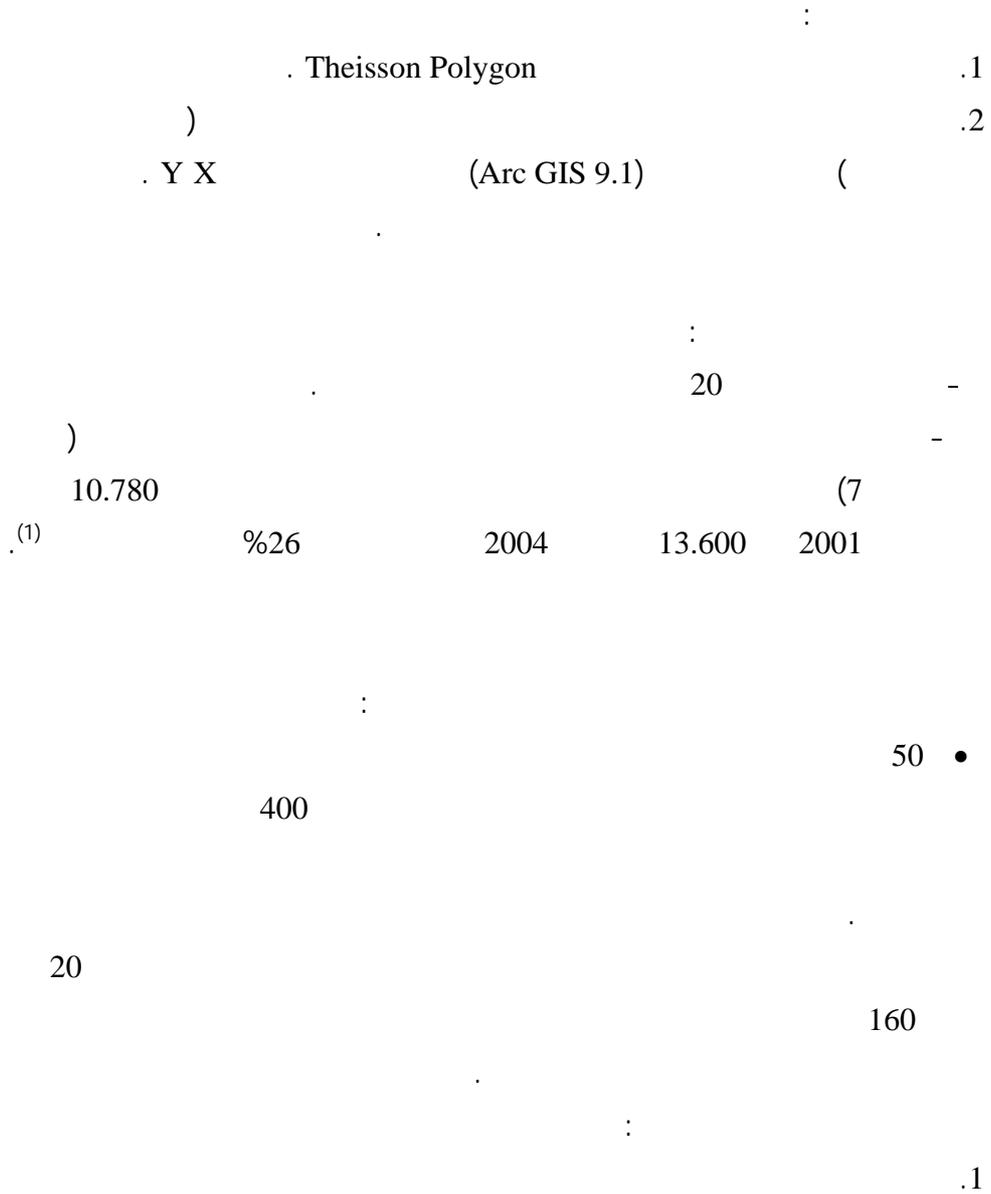
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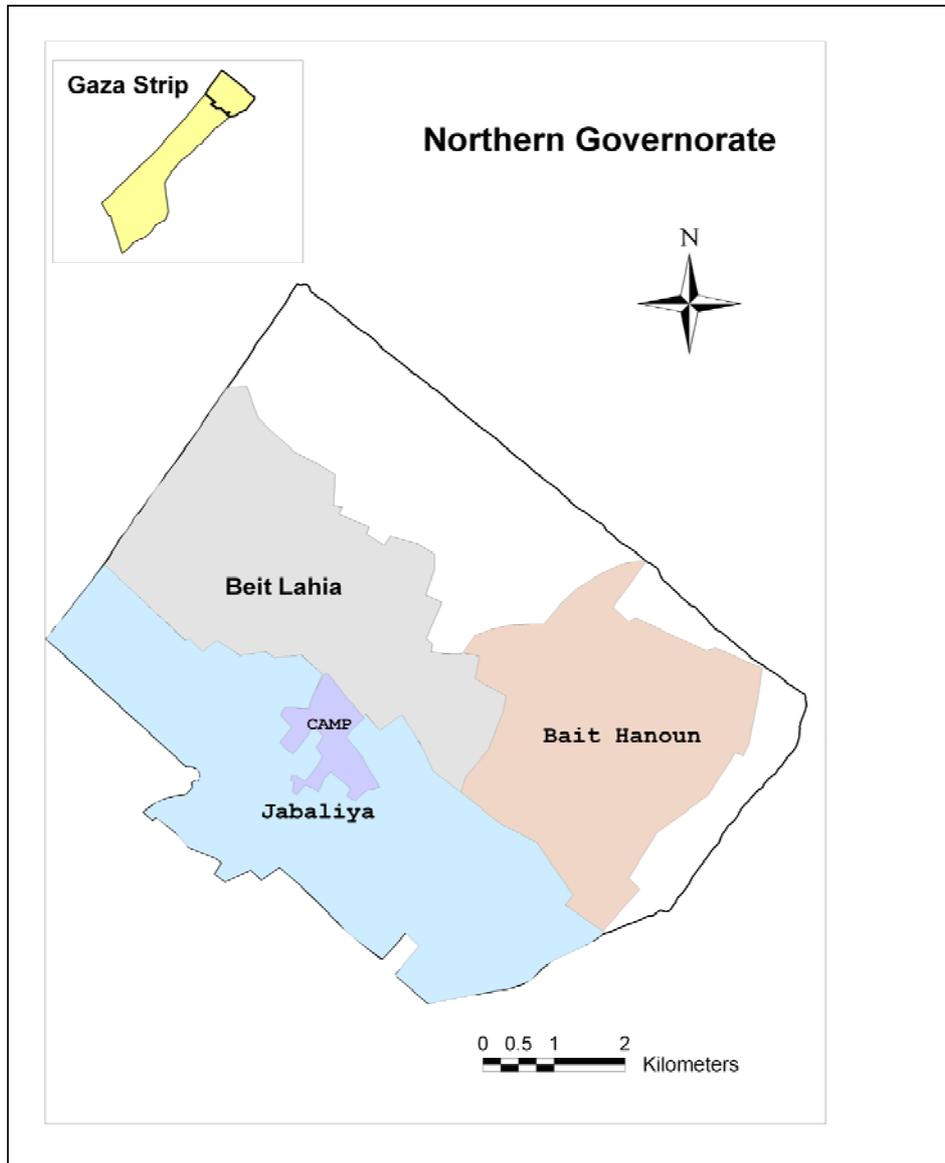
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17. Analysis Urban Trends and land use changes in the Gaza strip between 2001-2005.
18. Applied research institute-Jerusalem (Arij) 2006.
19. Czurda undpartner. Land fill design, solid waste management project, Gaza strip central region, final report, may, 1996.
20. Hansjorg Oeltzschner. Dieter Mutz, Guidelines for an Appropriate management of domestic sanitary land fill sites, Deutsche Gesellschaft fur Technische Zusammenarbeit (GTZ). January, 1994.
21. Palestinian national authority and institute of environmental geochemistry- University of Heidelberg, Germany, Monitoring of ground water and soil pollution levels in the Gaza Strip, December 2005, P. 100.
22. Samir Hijazin, Solid waste disposal sites and effects ground and surface, water pollution in Jordan causes and effects, water research and study centre Universtiy of Jordan, 1991, PP. 97-108.
23. Tehotanoglous Gerogs. Theisen Hilary, Vigil Samuel, Integrated solid waste management New York, 1996, P. 140.

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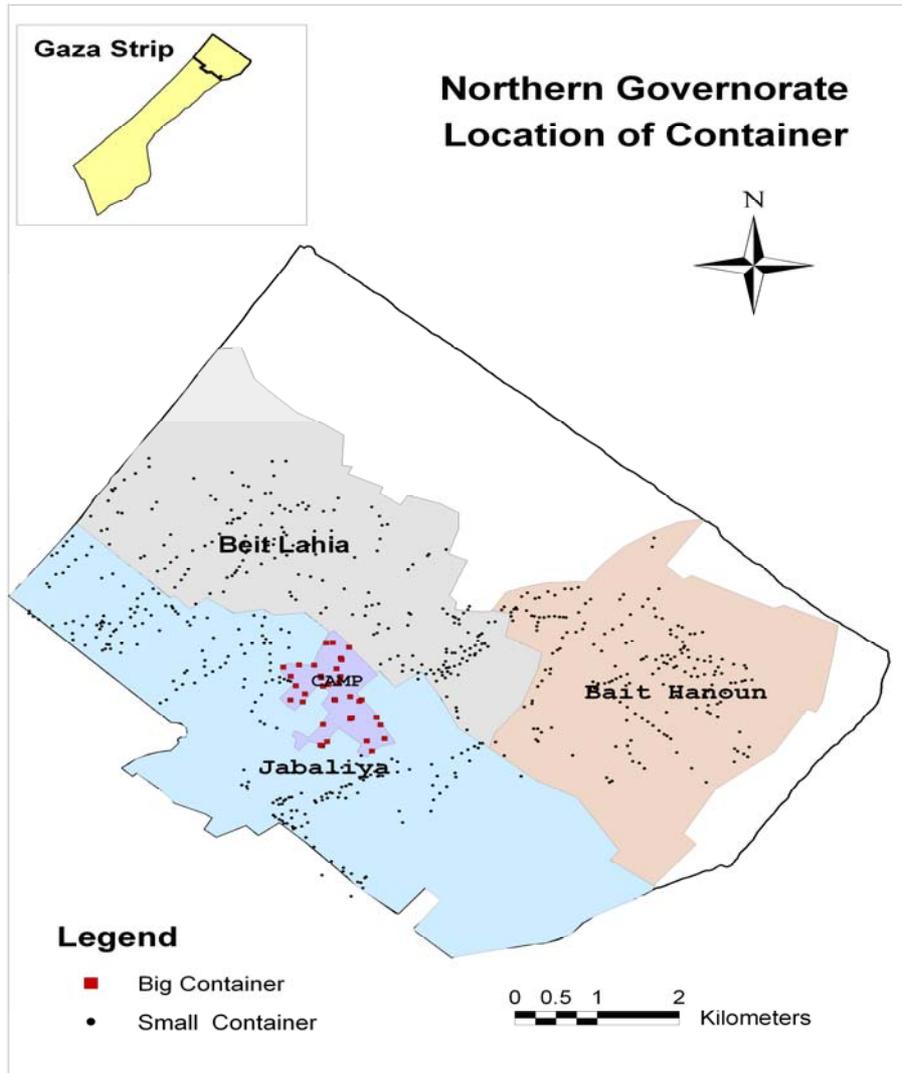
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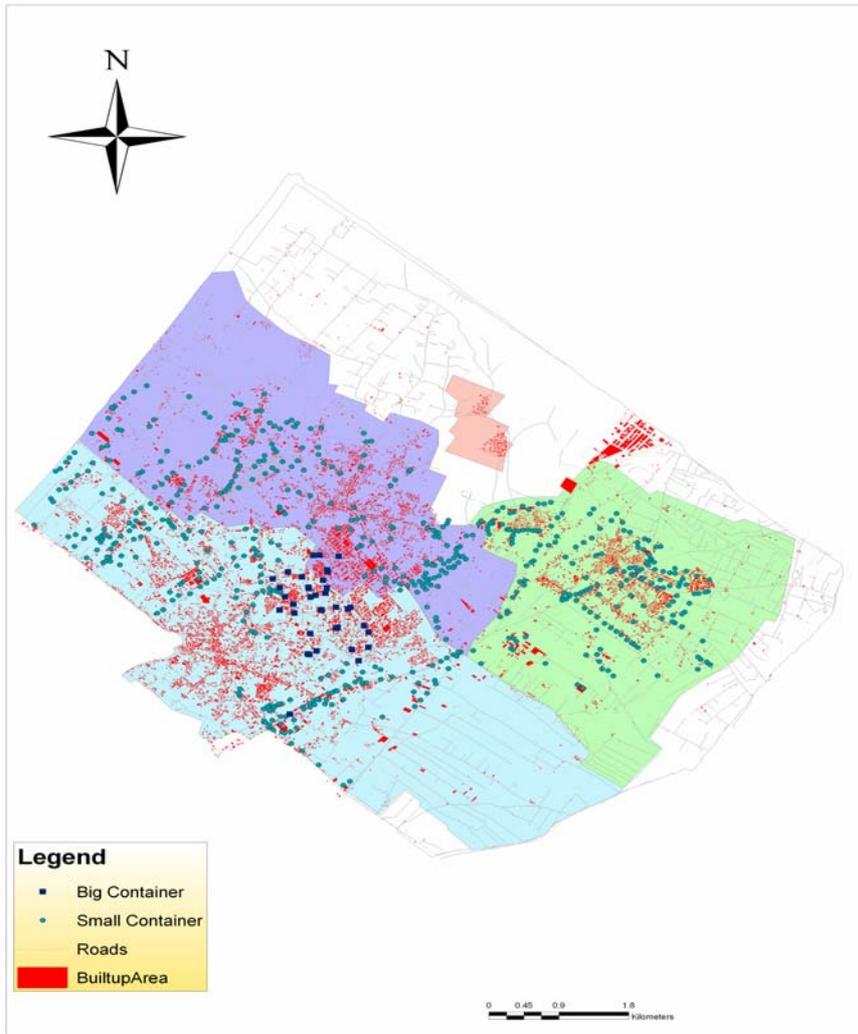
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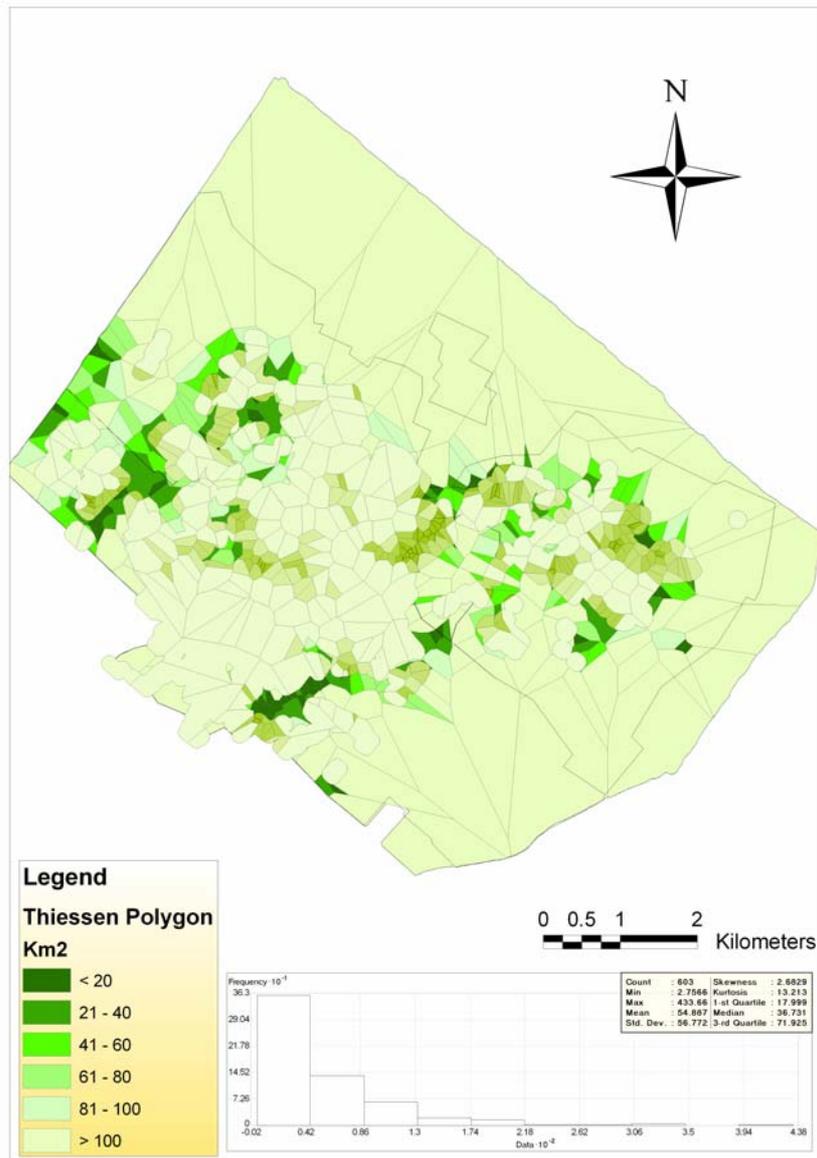
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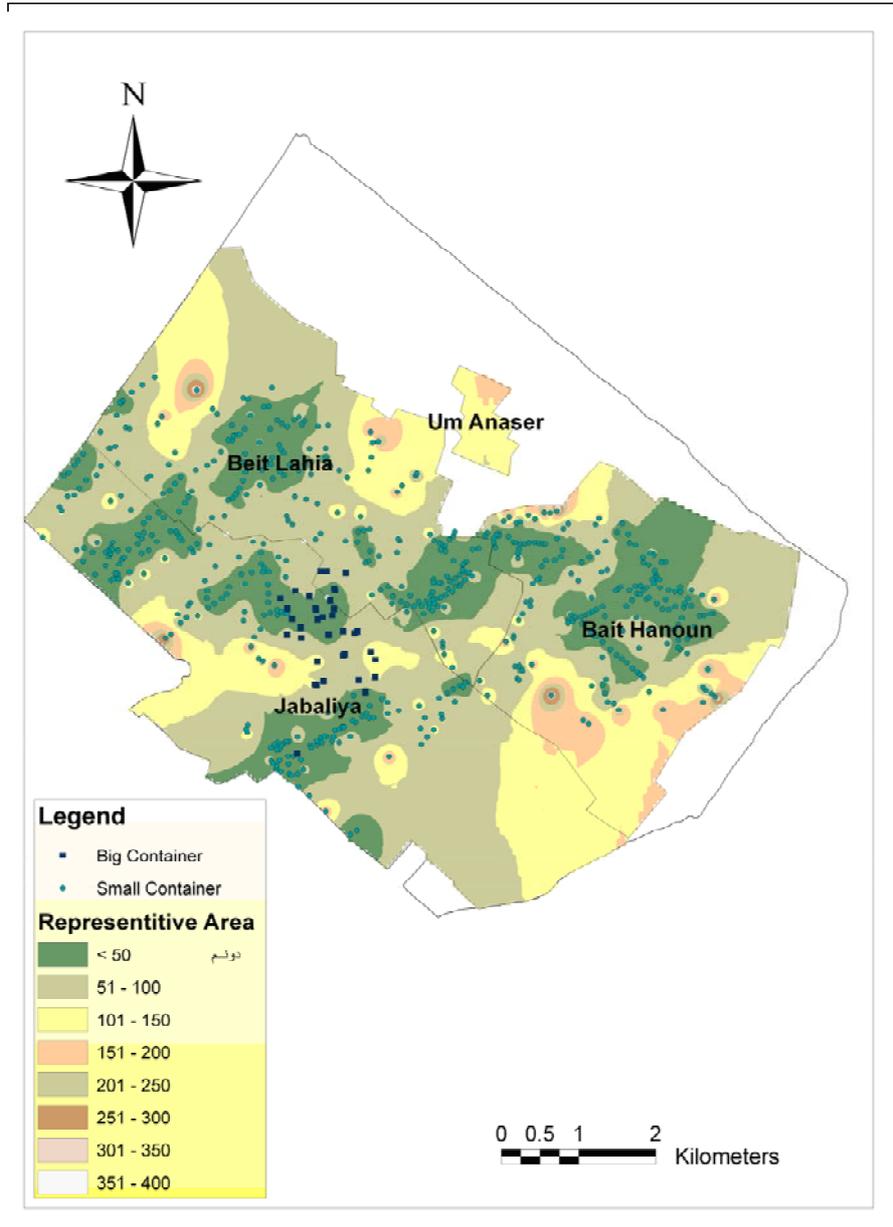


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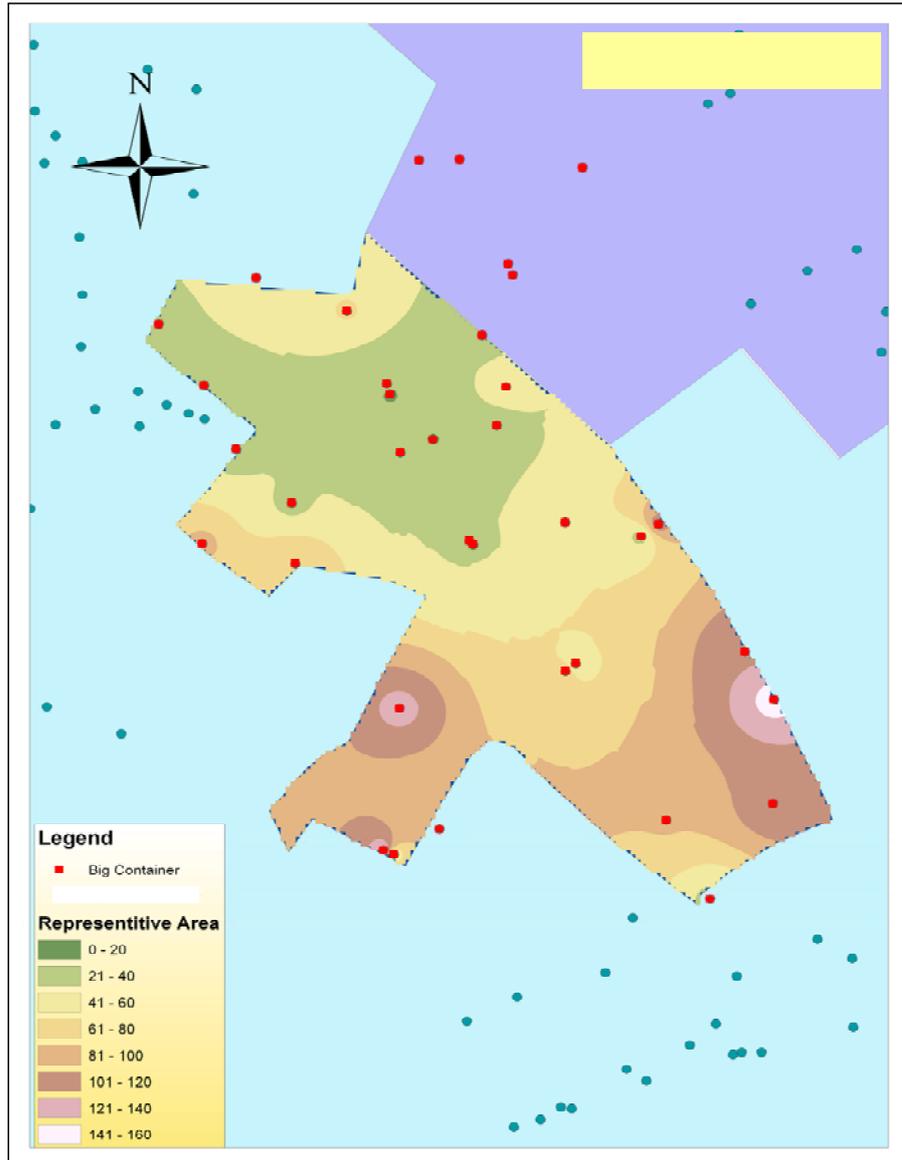


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