

Reducing Marine Plastic Pollution Through Recycling

Name: Reducing Marine Plastic Pollution Through Recycling

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Introduction

The Reducing Marine Plastic Pollution Through Recycling project tackles the issues of marine plastic pollution in Nigeria arising due to the leakage of mismanaged wastes from land-based sources, particularly from underserved communities near water bodies.

The project targeted 10 communities in Lugbe and Gwagwalada Areas of the FCT. These communities have a combined population of approximately 185,000 people and generate a cumulative 2,331 tonnes of plastic waste annually, much of which contributes to land-based plastic pollution in the Wupa and Usuma Rivers.

Lugbe Area: Chika, Pyakasa, Aleyita, Piwoyi, and Karonmanjigi.

Gwagwalada: Dagiri, Gwako, New Kutunku, Giri, and Tunga-maje.

Objectives

through recycling by getting community participation in the source segregation and recovery of plastic waste and other recyclable materials and ensuring their reincorporation into the value chain system, as well as promote behavioral change and empower members of the host communities through job creation and capacity-building programs.

Expected Project Outcomes

- 80% reduction in the volume of recyclable wastes littering drainage systems in the community.
- Establishment of 10 recycling clusters and 2 recycling hubs.
- Recover and recycle 468 tonnes of waste by the end of the project.
- Empowerment of 500 women recyclers, 100 local waste pickers, and 15 waste aggregators.
- Provide a sustained source of income for at least 200 community members.
- Visible reduction in public littering and an increase in the cleanliness of the community.
- Increased environmental awareness among members of the host communities.

Methodology

Community Engagement: The project adopted a participatory approach involving a series of engagements and awareness campaigns with the relevant stakeholders, particularly leaders, women, and youths of the host communities meeting.

Infrastructure Development: Establishment of solar-powered recycling hubs and recycling clusters to provide essential infrastructure for waste collection and management in the project areas.

Empowerment Programs: Beneficiaries were provided with waste-to-wealth opportunities, financial inclusion, and capacity-building programs aimed at increasing their socio-economic status and overall standards of living.

Results and Discussions

- 3 recycling hubs and 10 recycling clusters were established in the project areas to streamline waste collection, segregation, and recycling activities.
- 61,021kg (61.02 tonnes) of materials recovered, recycled and reintegrated into the value chain.
- The project 645 empowered women and 100 waste pickers through capacity-building programs and sustainable livelihood opportunities and provided them with work kits.
- Work kits (sacks, gloves, face masks and jackets) distributed to 447 women recyclers and 100 waste pickers.
- Generated revenue of over ₦7,335,960 (Seven Million, Three Hundred and Thirty-Five Thousand, Nine Hundred and Sixty Naira) for 460 active women recyclers.
- 300 women empowered with skill acquisition training programs to learn skills to establish small business.
- 24 small scale business established with learned skills.
- A significant shift in the perspective of residents was achieved, where they now see waste as a valuable resource.
- Participants gained access to financial inclusion by opening Green Savings accounts, fostering a culture of saving, and promoting financial security.
- The project contributed to a noticeable improvement in the cleanliness of the host communities.

References

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Acknowledgements

The project was sponsored by the Global Environment Facility Small Grants Programme (GEF SGP) under the International Waters focal area and implemented by the United Nations Development Programme (UNDP).

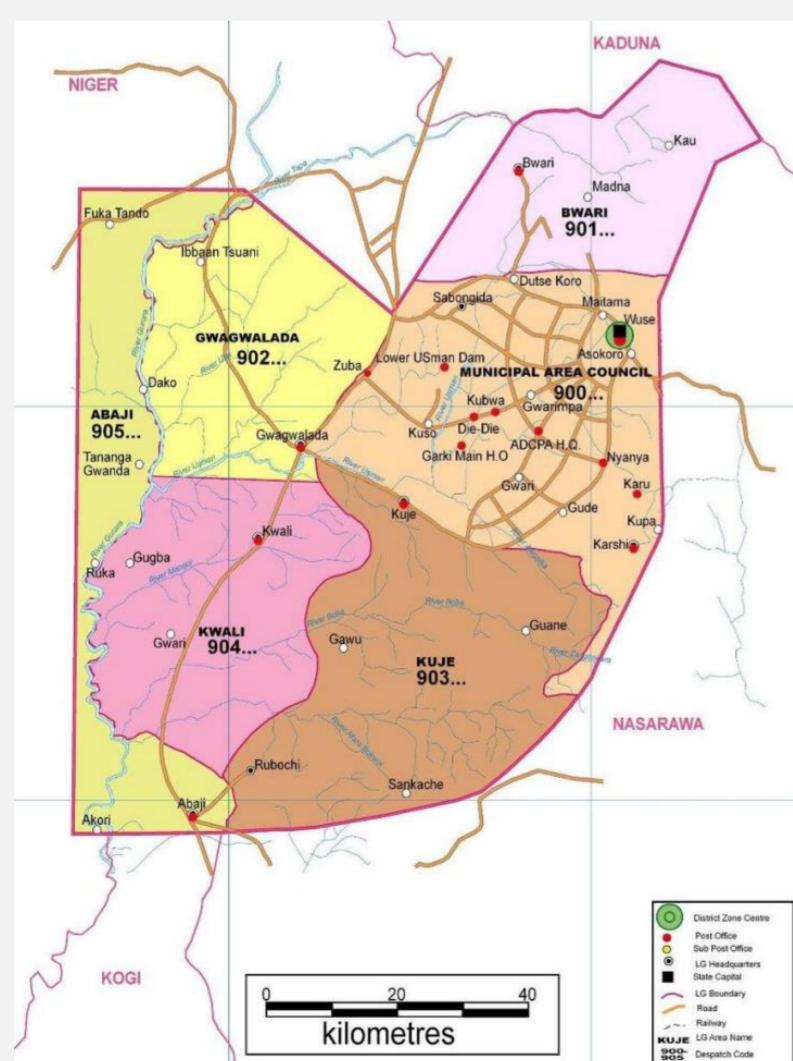
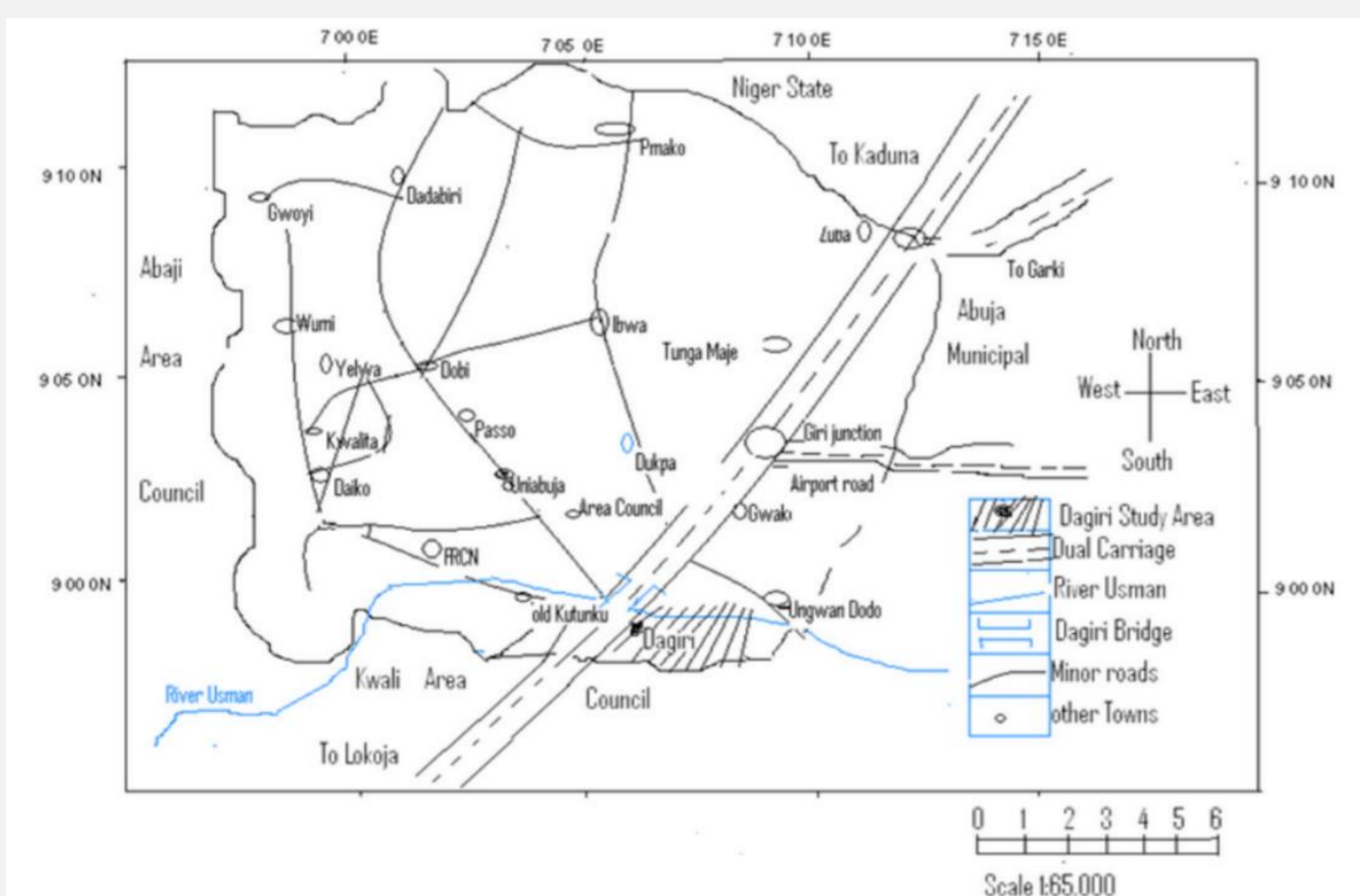


Fig. 1: Map of Gwagwalada Area Council Showing River Usuma