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SUSTAINABLE FISHERIES MANAGEMENT PROJECT (SFMP)

Mangrove Replanting at Densu Estuary



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THE
UNIVERSITY
OF RHODE ISLAND
GRADUATE SCHOOL
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Cover photo: Replanting of Mangroves by Densu Oyster Pickers Association (DOPA)

Photo Credit: Development Action Association - DAA

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ACRONYMS

DAA	Development Action Association
DOPA	Densu Oyster Pickers Association
FC	Forestry Commission
NGOs	Non-Governmental Organization
SFMP	Sustainable Fisheries Management Project
URI	University of Rhode Island
USAID	United States Agency for International Development

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SECTION 1: INTRODUCTION

Mangroves in Ghana have been over-exploited for diverse economic reasons including fuel (firewood, charcoal, wood for fish smoking), construction materials (timber, beams and poles, fence posts, thatch), fishing (atidza), industry (salt) and agriculture. However, their over harvesting means decimated fish stocks and depletion of the Densu's forest cover.

SFMP and its implementing partner DAA, has trained the members of their association on the need to protect the Densu to protect their livelihoods. The members were mobilized with support from the Forestry Commission of Ghana to raise and replant re mangrove propagules on the severely degraded sites along the Densu River.

This is a photo report of the mangrove seedling replanting exercise by members of DAA.

1.1 Objectives

The objective of the replanting exercise is to replenish all depleted land areas under the Densu Delta Co Management Plan.

1.2 Expected outcomes

- The red mangroves will be raised and replanted in the Densu
- The planted seedlings are nurtured to grow.
- Develop measures to minimize over harvesting of the mangroves
- Ten thousand mangrove seedling nursery established

SECTION 2: PHOTO PROCESSES

2.1 Preparations and Training



Figure 1: Section of the mangrove depleted fields of the Densu Delta where the red mangrove specie will be replanted



Figure 2: Members of the Densu Oyster Pickers Association (DOPA) arriving for the replanting exercise at the Delta



Figure 3: Members of the Densu Oyster Pickers Association (DOPA) arriving for the replanting exercise at the Delta



Figure 4: Participants receives instructions before the replanting exercise is carried out



Figure 5: . Mr Andrew Agyekum Hene (A municipal Forestry Officer) from Winneba who was the resource person leading the replanting exercise educates participants the proper procedures to follow in replanting the mangroves. This is to ensure that, the mortality ra



Figure 6: . Mr Andrew Agyekum Hene (A municipal Forestry Officer) from Winneba continues with the instructions before replanting exercise begins



Figure 7: Forestry Officer demonstrating the best way of planting the mangroves propagules

2.2 The Role of Traditional Leaders



Figure 8: The "River Priest" of the Sakumo River showed their commitments toward the reforestation exercise carried out



Figure 9: The "River Priest" of the Sakumo River showed their commitments toward the reforestation exercise



Figure 10: The "River Priest" of the Sakumo River and other traditional leaders planting the first Mangrove.



Figure 11: Nii Ampofo of the Sakumo We family (the traditional custodians of the Densu River) planting a mangrove seedling

2.3 The Role of the Media



Figure 12: Mr. Mohamed (right), reporter with New Times Daily newspaper interviewing Madam Lydia Sasu of DAA

2.4 The role of CSOs



Figure 13 Madam Lydia Sasu, the Executive Director of Development Action Association planting some of the first seedlings of the red mangroves

2.5 The Role of Densu Oyster Pickers Association (DOPA)



Figure 14: Members of DOPA actively participate in the replanting of the depleted areas of the Densu Delta with red mangrove seedlings



Figure 15: Members of DOPA actively participate in the replanting of the depleted areas of the Densu Delta with red mangrove seedlings



Figure 16: Members of DOPA actively participating in the replanting of the depleted areas of the Densu Delta with red mangrove seedlings

2.6 The Story of nursing mothers of DOPA



Figure 17: Nursing mothers of DOPA actively supported the replanting exercise

2.7 Safety



Figure 18: A member of DOPA properly dressed for the replanting exercise

SECTION 3: PROGRESS PHOTOS

3.1 Growth Stage



Figure 19: The replanted mangroves showing signs of improvements



Figure 20: The replanted mangroves showing signs of growth.

3.2 Maintenance of Mangrove



Figure 21: Members of DOPA take time to “clear” around replanted mangroves to ensure higher survival rate



Figure 22: Members of DOPA clearing weeds around the replanted mangroves to ensure higher survival rate

SECTION 4: REPLANTING CONTINUES



Figure 23: DOPA members continue to embark on replanting of the red mangroves after the initial replanting



Figure 24: DOPA members continue to embark on replanting of the red mangroves after the initial replanting