

Our Environment and Home & Urban Landscapes

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Our Environment and Home & Urban Landscapes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
104	Protect Soil from Harmful Effects of Natural Elements	10%			
111	Conservation and Efficient Use of Water	20%			
112	Watershed Protection and Management	15%			
123	Management and Sustainability of Forest Resources	5%			
133	Pollution Prevention and Mitigation	10%			
135	Aquatic and Terrestrial Wildlife	5%			
216	Integrated Pest Management Systems	5%			
403	Waste Disposal, Recycling, and Reuse	15%			
605	Natural Resource and Environmental Economics	15%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2007	Extension		Research	
	1862	1890	1862	1890
Plan	1.0	0.0	0.0	0.0
Actual	1.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c 55248	1890 Extension	Hatch	Evans-Allen
	0	0	0
1862 Matching 24503	1890 Matching	1862 Matching	1890 Matching
	0	0	0
1862 All Other 6871	1890 All Other	1862 All Other	1890 All Other
	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Efforts were initiated to develop an appropriate curriculum for elementary, middle and high school age groups. These materials were piloted in both youth and adult contexts through training Americorps volunteers and trainers of one NGO (Sanctuary Inc, a home for at-risk youth). Seven Sanctuary, Inc. trainers completed a 60- hour sequence training in Organic and Sustainable agriculture with a heavy focus on soil and water conservation in an urban gardening context. These trainings increased capacity in this area. The Sanctuary Inc. program conducted 2 cycles of this 60 hour youth curriculum with approximately 18 youth in each cycle. Additionally, quarterly workshops were held for the general public using some of these materials in conjunction with two other planned programs. A series of outreach publications on the demonstrated conservation and other environment saving practices was developed. A mini grant was awarded to an NGO (Guma Mami a home for the elderly) to demonstrate fruit trees planted as windbreaks, CES facilitated this activity through the 4H program. More than 10 planning meetings were held with the Guam Department of Agriculture and Sanctuary, Inc (a home for at-risk youth) to identify priorities for curriculum content, sequence and for future funding plans. Funded grants are a planned output of this planned program.

2. Brief description of the target audience

School aged children in all grades are the target of this program. In 2007 the primary youth work focused on teens and young adults through an organic and sustainable agriculture component. Three different elementary and middle school groups visited our demonstrations. A second major target audience was the trainers of youth, seven Sanctuary Inc. youth workers gained expertise to leverage this effort in future years by using these materials to train 3-4 cycles of youth and young adults each year, with minimum future support from Extension. The local 4H staff regularly uses portions of this curriculum in their middle school agriculture and gardening workshops. Others will receive information through major island fairs or events or through newsletters.

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	50	2000	30	500
2007	150	1000	14	900

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2007:	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan			
2007	3	0	3

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Number of extension articles

Year	Target	Actual
2007	4	3

Output #2

Output Measure

Number of workshops

Year	Target	Actual
2007	2	26

Output #3

Output Measure

Number of brochures

Year	Target	Actual
2007	2	1

Output #4

Output Measure

Number of requests for research results and new technology and information

Year	Target	Actual
2007	2	19

Output #5

Output Measure

Number of one to one intervention

Year	Target	Actual
2007	5	6

Output #6

Output Measure

Number of popular articles

Year	Target	Actual
2007	1	0

V(G). State Defined Outcomes

O No.	Outcome Name
1	Number of participants gaining awareness of environmental issues
2	Number of Government officials become educated on aspects of the environment
3	Number of contractors learning environmental friendly methods to reduce the impact of development on the environment.
4	Number of schools to introduce an environmental curriculum to their students.
5	Percent decrease in erosion of sediment into the streams, improving the health of Guam 's reefs.

Outcome #1

1. Outcome Measures

Not reporting on this Outcome for this Annual Report

2. Associated Institution Types

3a. Outcome Type:

3b. Quantitative Outcome

Year	Quantitative Target	Actual
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3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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V(H). Planned Program (External Factors)

External factors which affected outcomes

Natural Disasters (drought, weather extremes, etc.)

Economy

Appropriations changes

Competing Public priorities

Other (Faculty retirement - loss of expertise)

Brief Explanation

Unmet outcomes #3 and #5. The retirement of one key faculty in this program has had a tremendous impact. The loss of faculty expertise, established networks with contractors and experience in working with youth at Guam's schools has resulted in a great reduction in activities which affected our ability to meet two outcomes. This program is now being reassessed; changes will be reflected in plan of work updates and annual reports.

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

After Only (post program)

Before-After (before and after program)

Evaluation Results

Key Items of Evaluation