Clear Lake Beach Bacteria Improvement Project
Final Project Report
Grant Agreement Number: 1214-008

Financial Accountability

Watershed Improvement Funds

Grant Agreement Budget Line Item	Total Funds Approved ($)	Total Funds Approved-Amended ($)	Total Funds Expended ($)	Available Funds ($)
(1)-Equipment(Beach cleaner)	20,000.00	20,000.00	20,000.00	0
Totals	20,000.00	20,000.00	20,000.00	0

Total Project Funding

Funding Source	**Cash** Approved Application Budget ($)	**Cash** Actual ($)	**In-Kind Contributions** Approved Application Budget ($)	**In-Kind Contributions** Actual ($)	**Total** Approved Application Budget ($)	**Total** Actual ($)
WIRB	20,000.00	20,000.00	0	0	20,000.00	20,000.00
APCL	21,200.00	15,145.00	2,400.00	1,290.00	23,600.00	16,435.00
IDNR	0	0	2,400.00	1,650.00	2,400.00	1,650.00
City of Clear Lake	0	0	600.00	0	600.00	0
Totals	41,200.00	35,145.00	5,400.00	2,940.00	46,600.00	38,085.00

Watershed Improvement Fund contribution: Approved application budget: 43%
Actual: 53%

The main reason for the differences in the approved application budget and the actual amounts was due to the absence of a project coordinator between November 2012 and February 2013. During that time there were no contacts made to the landowners for updating septic systems which was the reason for the decrease in APCL support percentage. The City of Clear Lake did not use any of their staff or equipment during this grant for in-kind contributions.

Environmental Accountability

Qualitative accountability was used in determining the success of this grant project. The amount of goose waste was noted during the period of April-October but was mainly an issue during the summer months. The beach cleaner was used during all periods when goose activity was noticed. During the months of May, June, July, August and September, the activity and waste was high and the beach cleaner was used at least weekly and most of the time it was used two to three times a week. The environmental impact and bacteria amount on McIntosh State Park beach was monitored by the amount of goose waste noticed. No quantitative tests were done specific to the goose waste but it was determined that the beach bacteria source that was being an issue (goose waste) was being removed as soon as it collected.

Practice or Activity	**Unit**	**Approved Application Goal**	**Accomplishments**	**Percent Completion**
Tours	No.	0	3	100%
Septic System Updates	No.	4	3	75%
Beach Cleaning	Hrs.	280	86	31%
Water Testing (Lab)	No.	0	10	100%
Machine Maintenance	Hrs.	80	24	30%

In-field and targeted water resource pollutant loading reductions in the project area consisted of using the beach cleaner as needed for goose waste, garbage and other waste to keep the bacteria off the beach and out of the lake. By using the beach cleaner during times of public beach use, it showed the visitors to McIntosh State Park beach just how important pollution of all kinds affects the beach visually and non-visual. We noticed as the time went on that less human garbage was showing up on the beach and in the lake. More public use also helped in keeping the large number of geese from gathering on the beach and in the park area.

Program Accountability

Most activities that were listed in the application were carried out. The following were used:

Mylar tape fencing, Flags, Coyote silhouettes, reduced mowing in the prairie areas and beach cleaning.

The challenge for using the coyote silhouettes was people stealing them, so they are not a cost effective solution in this area. In the future, we are going to try the floating strobe lights off the beach area and on the edge of the prairie area. We are also going to use dogs during peak times since they have been useful in other beach deterrent projects. Additional loafing areas are being looked at on the north side of the small lake and affected landowners have showed an interest in allowing wetland restoration, away from the lake, to be looked at but funding will need to be found and applied for since the restoration can be costly. It has worked in problem areas around other lakes to give the waterfowl an area to congregate away from main water bodies.