Costs associated with work on Butler Refuge 2009-2010
C. Muise (IBA) and D. Mixon (GA DNR)

Cost for one water control structure (with an average 40 foot bulkhead) installed:

Pipe                              $2,300.00
(2) Flap gates                 3,956.00
Lumber                           3,240.00
Stainless Cable                 285.00
Fabric                            75.00
Hardware                          100.00
Diesel Fuel (2 days)             220.00

Total                              $10,176.00

*Total man-hours involved in installing a water control structure will range between 40 and 100 man-hours depending on variables such as location and logistics, hardness of substrate where you are driving pilings, and equipment issues.

Purchases related to work on Butler Refuge:

(12) 40 foot long, 36 inch diameter HDPE pipe:$27,600.00 purchased on 3/8/2010
(14) 36 inch Aluminum Flap Gates:$28,692.00 purchased on 10/1/2010
Bulk Purchase of treated lumber:$27,000.00 purchased on 6/5/2009
Fabric (400ft roll): $370.00 purchased as needed.
Stainless Cable (1,000ft spool): $1,350.00 purchased as needed.

Projects Completed on Butler Refuge
Replaced one water control structure                   $10,176.00
Excavator Fuel ($110/day)@18 days of work on center dike $1,980.00
Dozer work and mowing (Fuel Cost $50/day * 16 days)    $800.00

Required materials have already been purchased (see above) and the following activities are planned for the summer of 2011 on the Butler Refuge:

Finish rebuilding center dike on the South Refuge (15 days) $1,650.00
Rebuild dike at Dairy Barn (8 days)                        $880.00
Install 2nd water control structure on Butler Refuge.      $10,176.00

Cost of projects completed on the Butler Refuge since June 2010: $12,956.00
Cost of projects planned on the Butler Refuge Summer 2011:    $12,706.00

We purchase items in bulk so we will have materials on hand when needed. The funds provided by GOS were matched with a Federal Grant and we were able to quadruple the money that was donated. Our ability to do this made the bulk purchase of the pipes and flap gates possible.