

# Appendix H

## Refuge Operating Needs System (RONS) Project List

Terms used in this appendix:

**Startup cost:** The project’s estimated expenses for the first year (in year 2000 dollars X 1000)

**Recurring cost:** The project’s estimated expenses for the second and following years (in year 2000 dollars X 1000)

**15-year Total Cost:** Estimated expenses for all projects over the 15-year duration of this CCP

**Staff (FTEs):** Full Time staffing Equivalent (one FTE is one person working full time for one year; seasonal staff are calculated as 0.5 FTE.)

**Average FTE:** The average additional FTEs required over the 15-year duration of this CCP, taking into to consideration that some projects have shorter durations (less than 15 years)

**Table H-1.** *Funding and staffing required for RONS projects for Cape May Refuge.*

	Startup Costs (\$000)	Recurring Costs (\$000)	15-year Total Cost (\$000)	Average FTE
<b>Cape May Refuge Total</b>	<b>\$1,685</b>	<b>\$511</b>	<b>\$6,449</b>	<b>19.5</b>

**Table H-2.** *RONS projects for Cape May Refuge.*

Start Year	Project Title: Cape May NWR	Startup Cost (\$000)	Recurring Cost (\$000)	15-year Total Cost (\$000)	Staffing (FTEs)	Duration (years)
2001	Grassland Restoration and Management	50.4	5.7	129.9	0.3	15
2001	Restoration/Management of Early Succession Habitats	9.7	1.8	35.3	0.3	15
2001	Saltmarsh Restoration	73.3	73.3	1100.2	1	15
2001	Upland Forest Restoration and Management	46.1	46.1	692.2	0.5	15
2001	Invasive Species Control	11.8	11.8	177.0	0.5	15
2001	Invasive/Native Plant Species Survey	51.0	48.0	99.0	1	2
2001	Develop & Maintain Wildlife/Refuge Database/Archive	50.0	46.0	694.0	1	15

Start Year	Project Title: Cape May NWR	Startup Cost (\$000)	Recurring Cost (\$000)	15-year Total Cost (\$000)	Staffing (FTEs)	Duration (years)
2001	Conduct Endangered Species Survey, Restoration, & Management	70.0	60.0	910.0	1	15
2001	Allow Upland Game hunting W of Rte 47 and N of Rte 550	20.0	20.0	300.0	0.3	15
2001	Develop Universally Accessible Trail at Headquarters	15.0	3.8	68.2	0.1	15
2001	Develop Interpretive Signage on Human Impacts to Wildlife	20.0		20.0	0.2	1
2001	Reprint General <i>Cape May NWR</i>	3.0	3.0	45.0		15
2001	Post & Patrol Newly Acquired Refuge Lands	83.0	58.0	895.0	1.5	15
2002	Nesting Bird Survey	53.0	49.0	249.0	1	5
2002	Develop Vegetation/Habitat Map	52.0	48.0	244.0	0.5	5
2002	Develop Parking and Kiosk for 35-mile State Trail	20.0	5.0	85.0	0.1	14
2002	Conduct Outreach and Education With Public	60.0	60.0	840.0	1	14
2002	Develop Teacher Training Workshops	22.0	22.0	308.0	0.2	14
2002	Enlarge Office Building and Develop a Visitor Contact Station	100.0	25.0	425.0	0.5	14
2003	Habitat Use by Migrating/Wintering Birds	90.0	57.0	318.0	1	5
2003	Conduct Technical Outreach on Land Protection & Management	52.0	48.0	628.0	1	13
2003	Monitor Migrating Shore, Song, and Sea Bird Populations	83.0	69.0	911.0	1	13
2003	Develop Interpretive Information on Shorebird Migration	10.0		10.0	0.2	1
2003	Print brochure <i>People's Impact on Wildlife</i>	1.1	1.1	14.3		13
2004	Small Vertebrate Survey (Mammals, Reptiles, Amphibians)	57.0	49.0	253.0	1	5
2004	Develop Schedule Nature Tours	30.0	30.0	360.0	0.7	12
2004	Construct Storage Building	100.0	25.0	375.0	0.5	12
2004	Produce <i>Birds of Cape May NWR</i>	4.2	3.3	40.5	0.1	12
2005	Produce trail map brochures for 5 new trails	6.0	3.0	36.0	0.1	11
2005	Remove seven buildings from Two-mile Beach Unit	625.0		625.0	1	1

<b>Start Year</b>	<b>Project Title: Cape May NWR</b>	<b>Startup Cost (\$000)</b>	<b>Recurring Cost (\$000)</b>	<b>15-year Total Cost (\$000)</b>	<b>Staffing (FTEs)</b>	<b>Duration (years)</b>
2006	Monitor Public Use Activity and Impact	50.0	30.0	320.0	0.5	10
2006	Restore 60 acres of Barrier Island Habitat	120.0	20.0	160.0	0.3	3
2007	Develop Atlantic White Cedar Trail in Dennis Township	25.0	6.3	75.4	0.1	9
2007	Construct Maintenance Shop	250.0	62.5	750.0	1	9
2008	Construct Trail, Parking and Kiosk at Peach Orchard Rd	25.0	6.3	69.1	0.1	8
2009	Develop Parking Lot and Kiosk at Stocker Tract	25.0	6.3	62.8	0.1	7
2012	Initiate Permit Trapping North of Route 550	20.0	20.0	80.0	0.3	4
2012	Allow At-Large Fishing	40.0	40.0	160.0	0.3	4
2012	Develop New Trail, Parking Lot and Kiosk	25.0	6.3	43.9	0.1	4
2013	Develop Canoe Trail at Cedar Creek	25.0	6.3	37.6	0.1	3
	<b>Cape May Subtotal</b>	<b>\$1,685.3</b>	<b>\$511.2</b>	<b>\$6,449.2</b>	<b>19.5</b>	

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