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Appendix E

Eastern box turtles, a state species of special concern, are in decline mainly from habitat loss and collection for the pet trade (Niedzieleski 2002)

Refuge Operations Needs System (RONS) and Service Asset Maintenance Management System (SAMMS)

Table E.1. Tier 1 Refuge Operations Needs System for the Long Island National Wildlife Refuge Complex

Project #	Project Title	Costs \$ (x1,000)		
		Year 1	Recurring	FTE
Complex				
95019	Resolve white-tailed deer impacts	\$62	\$0	
99005	Enhance Visitor Services for refuges (Outdoor Recreation Planner)	\$65	\$86	1.00
94001	Improve wildfire and prescribed fire program (Refuge Manager)	\$65	\$86	1.00
98011	Enhance productivity of endangered/threatened beach nesting birds	\$36	\$0	
93008	Develop a public outreach program (Outdoor Recreation Planner)	\$65	\$102	1.00
98046	Wetland restoration and monitoring—Long Island Wetland Restoration Program (Equipment Operator)	\$65	\$70	1.00
98019	Visitor Center/Office Complex (Outdoor Recreation Planner)	\$65	\$73	1.00
00009	Create auto tour route for proposed visitor center	\$540	\$0	0.00
Seatuck National Wildlife Refuge				
93283	Provide basic resource and visitor protection (Refuge LE Officer)	\$65	\$68	1.00
98002	Restore native grasslands and sandplain gerardia habitat	\$60	\$0	
93183	Provide basic resource and visitor protection (Refuge LE Officer)	\$65	\$68	1.00
99003	Prepare and implement forest management plan (Resource Specialist)	\$65	\$73	1.00
93301	Pine barren and wetland vegetative analyses using military satellite imagery (Biologist)	\$65	\$86	1.00
99002	Prepare and implement a pine barren management plan (Resource Specialist)	\$65	\$86	1.00
Target Rock National Wildlife Refuge				
95021	Conduct surveys and post boundaries to enhance resource protection	\$100	\$0	
99001	Enhance natural resource monitoring program (Refuge Manager)	\$65	\$86	1.00
95017	Provide safe public use trails (Maintenance Worker)	\$65	\$63	1.00
93210	Enhance public service capabilities and refuge efficiency (Clerk)	\$65	\$57	1.00

Table E.2. Tier 2 Refuge Operations Needs System for the Long Island National Wildlife Refuge Complex

Project #	Project Title	Costs \$ (x1,000)		
		Year 1	Recurring	FTE
Complex				
98025	Investigate impacts of boat mooring and docks on refuge	\$100	\$100	
00010	Establish and maintain resource management program (Outdoor Recreation Planner)	\$156	\$107	1.00
03001	Establish public outreach program for the New York Metro Area (Outreach Specialist)	\$191	\$92	1.00
03003	Protect refuge resources and increase visitor safety (2 Refuge Officers)	\$100	\$160	2.00
00005	Post boundaries of newly acquired lands	\$60	\$0	0.00
98053	Develop public outreach video/CD	\$71	\$0	
00001	An assessment of piping plover productivity–Morton	\$53	\$0	0.00
98007	Enhance wildlife habitat and restore derelict lands	\$36	\$0	
02001	Develop and implement forest management plan	\$35	\$0	0.00
00007	Permanent, professional panels to convey information at annual public meetings	\$32	\$0	0.00
99003	Increase visitor awareness of natural resources–complex brochures	\$81	\$0	0.00
98016	Develop public outreach displays	\$68	\$0	
93176	Construct and maintain fire breaks to protect natural resources, visitors and the community	\$155	\$3	
00006	Information kiosk on wildlife of strand and marine habitats–Amagansett	\$37	\$0	0.00
98003	Post boundaries to increase resource protection	\$100	\$0	
96016	Public outreach program–equipment	\$81	\$0	
02002	Enhance environmental education opportunities (term ORP)	\$69	\$6	
95010	Develop, establish, and maintain an effective public use and outreach program	\$67	\$0	
96010	Implement biomonitoring of environmental status and trends	\$59	\$0	
94012	Enhance and perform fish, wildlife, and habitat surveys	\$71	\$0	
93086	Improve nesting opportunities for waterfowl and migratory birds	\$36	\$0	
90028	Warm season grassland restoration	\$27	\$76	0.00
93178	Enhance basic natural resource and visitor protection	\$78	\$1	
98017	Red fox investigation	\$48	\$0	
98033	Monitor migrant songbirds	\$36	\$0	
98086	Support public use program by protecting refuge property and equipment–Morton	\$33	\$0	
98001	Implement wildlife, habitat, and public use projects	\$36	\$0	
98049	Eastern box turtle study	\$36	\$0	
93131	Prepare for oil spill response on Long Island	\$36	\$0	
98071	map underground utilities to improve safety	\$35	\$0	

Project #	Project Title	Costs \$ (x1,000)		
		Year 1	Recurring	FTE
92000	Perform archaeological survey to support natural resource and public use programs	\$36	\$0	
93126	Communications basics—enhance station’s network, computers, and upgrade software	\$36	\$0	
93312	Reestablish waterfowl banding	\$36	\$0	
98085	Provide visitor services—construct comfort station at Wertheim	\$95	\$0	
Seatuck National Wildlife Refuge				
95006	Restore shoreline habitats—Seatuck	\$61	\$0	
92214	Warm season grassland restoration—Seatuck and Wertheim	\$36	\$0	
00002	Control invasive plants in uplands	\$37	\$0	0.00
96043	Protect heavy equipment used for Long Island Wetland Restoration—provide storage area	\$71	\$0	
99007	Protect endangered species—Sayville unit	\$119	\$0	0.00
98035	Black duck habitat affinity investigation	\$97	\$0	
98038	Monitor shorebird abundance across Long Island	\$102	\$0	
98039	Restore derelict land for wildlife—Seatuck	\$32	\$0	
93083	Provide basic resource and visitor protection	\$75	\$184	3.00
98023	Create freshwater impoundments for wildlife—Seatuck	\$46	\$0	
Target Rock National Wildlife Refuge				
95022	Enhance protection of resources—Oyster Bay boundary survey	\$56	\$0	
98059	Legal inventory of manmade structures—Oyster Bay	\$102	\$0	
98080	Enhance resource protection (seasonal Refuge Officers)	\$102	\$0	
98040	Create recreational and educational information—Oyster Bay	\$58	\$0	
00012	Create fishing access for the Mill Pond Unit—Oyster Bay	\$32	\$0	0.00
00011	Develop fishing access site and increased fishing opportunities—Target Rock	\$36	\$8	0.00
98042	Improve visitor safety and services—public use facilities	\$49	\$0	
98093	Monitor the plankton and invertebrate community—Oyster Bay	\$55	\$0	
98029	Coliform investigation—Oyster Bay	\$66	\$25	
98024	Investigation of the impacts of boat docks, boating and mooring on natural resources	\$65	\$0	
96999	Mill Pond contaminant investigation	\$42	\$0	
98050	Waterfowl surveys for Long Island’s Great South Bay	\$38	\$0	
96013	Increase resource protection—patrol boat—Oyster Bay	\$59	\$0	
96998	Habitat affinities of wintering waterfowl on Long Island	\$54	\$	

Table E.4. Service Asset Maintenance Management System for the Complex (Deferred Maintenance Backlog)

Location*	Work Order #	Description	\$ WO Total Cost
52560	2006507008	Construct Headquarters/Visitor Center Facility - Centennial Legacy Project - [p/d] (child)	\$500,000.00
52560	2006506745	Construct Headquarters/Visitor Center Facility - Phase III (cc) (child)	\$2,595,000.00
52560	2006507049	Construct Dormitory for Volunteer/Intern Quarters (p/d/e) (child)	\$750,000.00
52560	2006507064	Construct Trail and Signs - Wertheim (child)	\$62,000.00
52560	2006507066	Construct Trail, Fishing Access and Kiosk for the Wertheim National Wildlife Refuge (child)	\$45,000.00
52560	2006507044	Construct Headquarters/Visitor Center Facility - Centennial Legacy Project - Phase II [cc] (child)	\$2,595,000.00
52560	2006507015	Construct Visitor Contact at Morton (p/d/e) (child)	\$7,057,000.00
52560	2005179563	Replace Bombay Hook Office Specialized Inspection - Archaeology (child)	\$25,000.00
52560	2005179566	Replace Long Island Office Specialized Inspection-Archaeology (child)	\$25,000.00
52561	2005259354	Remove Wertheim Old Buildings at Western Border - Contract (child)	\$66,000.00
52561	2005179791	Replace Canary Cottage Quarters - Modular Contract (child)	\$740,000.00
52561	2006507078	Construct Signs and Storage Facility at Sayville NWR (child)	\$124,000.00
52561	2005259219	Rehabilitate Wertheim Nature Trails - Contract (child)	\$32,000.00
52561	2005172515	Repair and Rehabilitate Security Fencing and Fire Breaks - Contract (child)	\$92,700.00
52561	2005214242	Remove and Replace Severely Deteriorated Shop/Fire Cache - Removal Contract (child)	\$46,000.00
52561	2005251579	Remove and Replace Severely Deteriorated Shop/Fire Cache - Replace Shop/Fire GSA (child)	\$525,000.00
52561	2005259363	Remove Quarters 1 and Office/Residence - Contract (child)	\$50,000.00
52561	2005259314	Replace Wertheim Boat Dock - Contract (child)	\$26,000.00
52561	2005259278	Replace Refuge Signs - Purchase Order (child)	\$66,000.00
52561	2005259324	Rehabilitate Wellington Interior - Contract (child)	\$167,000.00
52561	2005259296	Rehabilitate Security Alarm System at Complex - Contract (child)	\$26,000.00
52561	2005259246	Replace Wertheim Squassux Landing Fencing and Gate - Purchase Order (child)	\$26,000.00
52561	2005259255	Replace Entrance Signs - Purchase Order (child)	\$38,000.00
52561	2005173897	Rehabilitate Wertheim Office/Residence - Engineering (child)	\$25,000.00
52561	2005172509	Rehabilitate Wertheim Office/Residence - Contract (child)	\$171,853.00
52561	2005259268	Remove Wellington Root Cellar, Corn Crib and Shed - Contract (child)	\$28,000.00
52561	2005259334	Remove Old Concrete House Foundations - Contract (child)	\$27,000.00
52564	2005255707	Replace Boundary Signs at Conscience Point NWR (child)	\$27,000.00
52565	2006507068	Construct 3 Wildlife Viewing Pull-Offs and 1 Observation Tower at Seatuck (child)	\$129,000.00
52565	2005213126	Rehabilitate Seatuck Exterior Office/Residence: L-Barn - Replace window & trim (child)	\$31,000.00
52565	2005213124	Rehabilitate Seatuck Exterior Office/Residence: L-Barn - Painting (child)	\$30,000.00
52565	2005213128	Rehabilitate Seatuck Exterior Office/Residence: L-Barn - Replace Roof (child)	\$26,000.00

Location*	Work Order #	Description	\$ WO Total Cost
52565	2005213123	Rehabilitate Seatuck Exterior Office/Residence: L-Barn -Replace Shakes (child)	\$32,000.00
52565	2005213125	Rehabilitate Seatuck Exterior Office/Residence: L-Barn - Repair brick/mortar (child)	\$49,000.00
52565	2005258541	Rehabilitate Refuge Office/Quarters - Contract (child)	\$236,000.00
52565	2005258475	Replace Deer Fencing and Gate at Seatuck - Contract (child)	\$58,000.00
52565	2005258467	Replace Regulatory and Boundary Signs Seatuck - Purchase Order (child)	\$52,000.00
52565	2005258501	Replace Entrance Gate - GSA Contract (child)	\$34,000.00
52565	2005258523	Remove Bulkhead at Seatuck - Contract (child)	\$39,000.00
52565	2005258456	Remove Fencing and Structures Seatuck - Contract (child)	\$26,000.00
52566	2005255893	Replace Boundary Signs Morton NWR - Contract (child)	\$26,000.00
52566	2005255899	Replace Regulatory Signs - Purchase Order (child)	\$26,000.00
52566	2005213377	Replace Restroom at Morton - Demolition (child)	\$9,000.00
52566	2005213375	Replace Restroom at Morton - GSA Contract (child)	\$320,000.00
52566	2005255904	Replace Morton Septic System - Contract (child)	\$26,000.00
52566	2005255892	Replace Fencing at Morton NWR - Contract (child)	\$26,000.00
52568	2005258966	Construct Information Kiosk at Fishing Access Site - Purchase order (child)	\$32,020.00
52568	2006507070	Construct Information Kiosk at Fishing Access Site - Purchase order (child)	\$32,400.00
52568	95105039	R5 Target Rock Rehabilitate Refuge Entrance Road (.8 mi.) CN	\$87,000.00
52568	2005258973	Replace Target Rock Facility - Refuge Office - Contract (child)	\$141,000.00
52568	2005258978	Rehabilitate Target Rock Garage Cow Bar - Contract (child)	\$27,000.00
52568	2005258968	Rehabilitate Target Rock Refuge Housing Facility - Contract (child)	\$109,000.00
52568	2005258963	Replace Target Rock Bent Pole Automatic Gate - Contract (child)	\$26,000.00
		GRAND TOTAL	\$17,586,973.00

*52560=Complex 52561=Wertheim 52564=Conscience Point 52565=Seatuck 52566=Morton 52568=Target Rock

