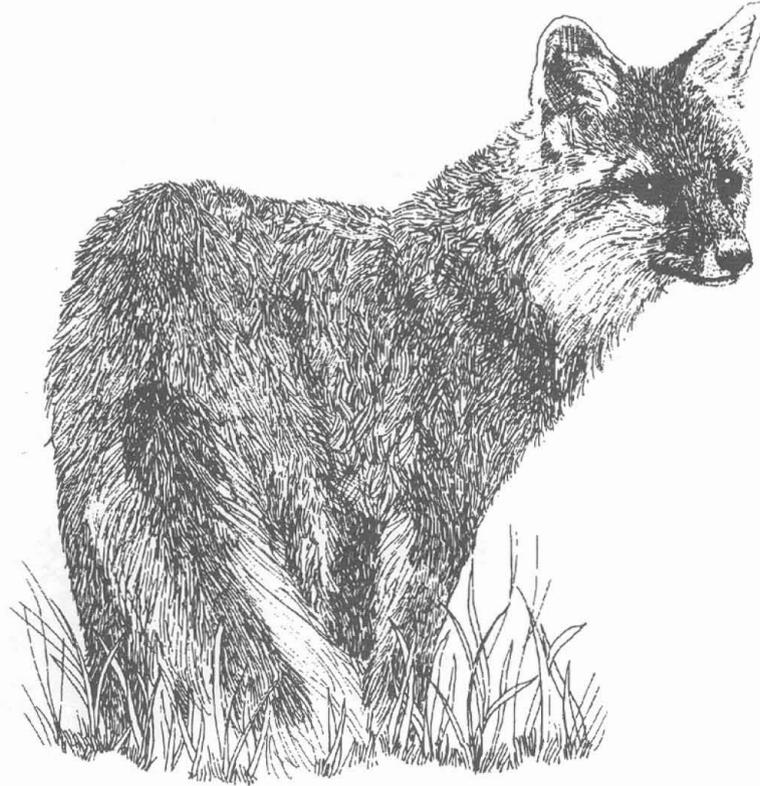


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# Monitoring and Evaluation





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## Monitoring

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Monitoring activities will be carried out as part of the environmental education programs and will focus on the following:

### Wildlife Populations

#### Birds, reptiles, amphibians, and mammals

- Update and maintain a current species list.
- Monitor population trends, seasonal abundance, and habitat use for groups of species including birds, small mammals, reptiles, and amphibians.
- Initiate reptile and amphibian monitoring in the spring of 1998.



### Aquatic Wildlife

- Monitor the ponds to evaluate the success of grass carp stocking to meet the 15% vegetation goal.
- Conduct periodic surveys of the population status of invertebrates and fish.

### Water

#### Water Quantity

- Maintain pond levels as full as possible based on the availability of water from the Farmers High Line Canal.
- Prepare annual report of water use, anticipated use, and general water supply status.

#### Water Quality

- Conduct an annual evaluation of water quality.

### Vegetation

- Monitor reseeded areas and manage to prevent weed growth. Once these areas have been re-established, Service staff will manage to maintain the species ratios previously stated.
- By the fall of 1997 survey woodland acreage to determine the current amount of Refuge woodland coverage. Depending upon results of the survey, Service staff will develop and implement a plan to achieve the stated 10% goal for woodland vegetative cover.

### Public Use

- Measure public satisfaction after site use for environmental education and interpretation.
- Observe general public use of the area to determine if the trail

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## **Evaluation**

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Results obtained from monitoring will be used to evaluate the effectiveness of management practices toward the achievement of goals and objectives. Annual management plans will be developed that reflect these evaluations.