PHOTOGRAPHIC RESOURCE MONITORING PROGRAM

PURPOSE

This system has been designed to aid in documenting natural and human-related changes in the natural resources of Antietam National Battlefield. The photographs obtained will help detect gradual changes that might otherwise go unnoticed because of constant close association or because of turn-over in park personnel.

Up to this time gradual changes in the environment around Antietam have not been documented and there is very little baseline information with which to compare future changes. This documentation is considered of the utmost importance in maintaining the historic scene.

The succession of plant communities is a slow, but continuing process. Often times these changes go unnoticed. A photographic monitoring system will show the changes in vegetation through time. It will also show the effects of visitor impact and will aid resource managers in determining techniques to rehabilitate impacted areas.

EQUIPMENT

The Photographic Resource Monitoring Program requires the following equipment:

35 mm Camera
55 mm Lens
Slide Film (ASA 64)
Hand-Held Compass
Measuring Tape, 100 ft.
Tripod
Panoramic Photo Stand

PROCEDURES

The recorder will locate the photopoints using the information on the attached photopoint system survey sheets. Each photopoint has been permanently established and marked with an orange plastic surveyors stake, driven flush to the ground. Read the attached survey sheets carefully. The tripod is then centered over the photopoint marker and the camera, along with the panoramic photo stand, is mounted to the tripod. The camera stand is used so the camera's focal point can pivot directly above the photopoint. Point the camera in the direction of the first azimuth on the survey sheet, using the hand compass, and begin photographing. Pivot the camera and continue photographing at each of the respective azimuths. Record all the necessary information on the photopoint record sheet.

When photography at each of the photopoints is completed, the film will be sent for processing. One copy of each slide will be obtained as well as one black and white negative of each slide. The black and white negatives will ensure that in 100 years the photographic information will be available. Slides and negatives will be stored in metal cabinet-type slide storage files where temperature and humidity can be controlled as much as possible to ensure longevity of the photographs.

The Photographic Resource Monitoring Program has been designed to be implemented two times per year. One time will be the first week in May, or very shortly after leaf-out. The other period will be in the first week of November, or very shortly after leaf-fall.

PHOTOPOINT SYSTEM SURVEY SHEET

PHOTOPOINT NUMBER ANTI - 01

ESTABLISHED DATE 3 APRIL 1985

RECORDER K. STAHLNECKER

LOCATION SOUTH OF CORNFIELD AVENUE, ALONG THE AVENUE ON RISE BY OLD RT. 65 - CORNFIELD AVE JUNCTION.

AREA DESCRIPTION :

NORTH: OLD MILLER FARMHOUSE.

EAST: OLD LOCATION OF EAST WOODS.

SOUTH: PARK VISITOR CENTER

WEST: OLD HAGERSTOWN PIKE.

WITNESS POINTS :

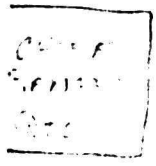
AZIMUTH	FEET	OBJECT
264	61'4"	SOUTH WEST CORNER - TEXAS MONUMENT
220	16'	SOUTH WEST CORNER - TABLET # 310

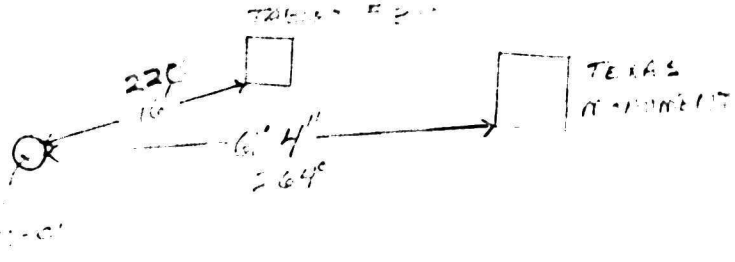
PHOTOGRAPHS

AZIMUTH (S)	NUMBER (S)	CAMERA HT.
0, 25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, 345	15 PHOTOS	56"

OBJECTIVE: TO RECORD, THROUGH PHOTOGRAPHS, THE CHANGES IN VEGETATION.

OLD MILLER FARMHOUSE





PHOTOPOINT RECORD

PHOTOPOINT NUMBER ANTI-01

LOCATION SOUTH SIDE CORNFIELD AVE. JUST OFF AVE. ON RISE BY OLD RT. 65 - CORNFIELD AVE. JUNCTION

DATE	AZIMUTH	LENS	FILM (ASA)	SLIDE #	FILED DATE	RECORDER
5/8/85	0, 25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, 345	55mm.	64	16 - 20		K. STAHLNECKER
5/8/85		55mm	64	1 - 8		K. STAHLNECKER
5/8/85		55mm	64	9, 10		K. STAHLNECKER