

MANAGEMENT PLANS

SEARCH AND RESCUE PLAN

CHAUTAUQUA NATIONAL WILDLIFE REFUGE
Havana, Illinois

Submitted by: Glen R. Miller Date: 2/12/89
Glen R. Miller
Refuge Manager

Reviewed by: Tom C. Worthington Date: 2/21/89
Thomas Worthington
Regional O.R.P

Reviewed by: James M. Carroll, Jr. Date: 3-7-89
James M. Carroll, Jr.
Regional L.E. Coordinator

Reviewed by: Earl Markwell Date: 3/20/89
Earl Markwell
Regional Safety Officer

Approval: Matthew C. Kristan Date: 3/31/89
Regional Refuge Supervisor (WAM-2)

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Exhibit 1 - Maps: Local Area Roads
A. Chautauqua NWR
B. Cameron-Billsbach Unit
C. Meredosia NWR

Exhibit 2 - Maps: Refuge Lands
A. Chautauqua NWR
B. Cameron-Billsbach Unit
C. Meredosia NWR

Exhibit 3 - National Search and Rescue (NASAR) Mission Report

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A. Chautauqua NWR
B. Cameron-Billsbach Unit
C. Meredosia NWR

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Appendices - Emergency, Cooperative SAR, and Personnel
Phone List

- A. Chautauqua NWR
- B. Cameron-Billsbach Unit
- C. Meredosia NWR

- Mutual Aid Agreement

Exhibit 1 - Maps: Local Area Roads

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- C. Meredosia NWR

Exhibit 2 - Maps: Refuge Lands

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Exhibit 3 - National Search and Rescue (NASAR) Mission Report

I. Management Objectives of Chautauqua National Wildlife Refuge

The highest priority management objectives for Chautauqua are as follows:

- Protect and enhance refuge habitat to maintain or increase use by endangered or threatened species.
- Provide optimum conditions for mallards during the fall and spring migration to achieve maximum production for birds returning to the breeding grounds.
- Provide optimum conditions for migrating Canada geese consistent with distribution objectives established for Mississippi Valley Population in the Flyway Management Plan.
- Increase wood duck production.

II. Objectives of Chautauqua National Wildlife Refuge Search and Rescue Plan

- A. To carry out or assist in search and rescue (SAR) on Chautauqua NWR and satellite refuges and provide assistance off Service lands to the extent practicable, when requested by lead agency.
- B. To maintain necessary assistance, training, and information related to SAR.

III. Authority, Jurisdiction, Legal Commitment, and Scope

- A. Authority - National Search and Rescue Plan - 1969, as amended by DOI 1978; Environmental Education Act of 1975; National Wildlife Refuge System, Administrative Act as amended; Fish and Wildlife Recreation Act.
- B. Jurisdiction - An extensive effort is currently underway to determine the exact jurisdiction of all lands in the Refuge System.

In a report released in 1962, Chautauqua NWR was listed as having Exclusive Jurisdiction on 4,444 acres of its land; that which was purchased before 1941. Another 42 acres were added later, and it is under Proprietary Jurisdiction.

It appears that all the lands donated at the Cameron-Billsbach Unit and at Meredosia Refuge are under Proprietary Jurisdiction.

- C. Legal Commitment - While there is no legal obligation for the Service to carry out any SAR mission on refuge lands, it is Service policy that SAR capability will be maintained.
- D. Scope - The SAR program covers 4,488 acres at Chautauqua NWR, 1,706 acres at the Cameron-Billsbach Unit 64 miles upstream, and 1,850 acres at Meredosia NWR 54 miles downstream. Details of cover types, management objectives, terrain, location, etc., are covered in the Station Management Plan.

Additional maps, including plat, topographical, and historical are located at the Chautauqua NWR headquarters in a map filing cabinet under the information counter. In the same cabinet, there are aerial photographs of various scales for all refuge lands.

The maps of the Cameron-Billsbach Unit and Meredosia NWR in Exhibit 2 are not current, but are the best available at the present time. When new maps are developed, they will be substituted in this plan.

Although our lands are spread out as they are, search and rescue is likely to be minimized compared to other larger and more remote stations.

-All road access points either have locked gates or are restricted.

-The station and satellites are relatively small in size.

-The large lake facilitates quick access to all points of the refuge and offers a large field of view.

Naturally, the potential for boating accidents is our primary concern and has been dealt with in the past. Unsafe watercraft, disregard for regulations, or unpreparedness for foul weather can quickly end in tragedy.

In the event of a report of a missing party, the refuge maintains two jonboats with outboard motors. If more are needed, the State of Illinois can furnish them and assist in a search.

In the case of drownings, refuge personnel have been trained in the use of a drag bar to search for submerged bodies. The Havana Fire Department also has a boat and trained personnel for this purpose, should assistance be necessary.

IV. Preventive Search and Rescue (PSAR)

PSAR activities focus on keeping staff current in SAR awareness and training, maintaining a good working relationship with appropriate authorities, and maintaining station SAR capability.

Refuge visitors will be notified of potential hazards through the use of signs and leaflets. Barriers and signs will be placed at locations where hazards exist such as water control structures and pump sites.

The sheriff makes periodic rounds to the office at night for security checks.

V. Search and Rescue Capability and Commitment

The refuge manager will commit all necessary and available staff and equipment needed to complete SAR actions as quickly as possible. The primary concern and responsibility will be for the protection of human life and "may include search for and rescue of lost persons, evacuation of injured or ill persons, control of personnel relative to protection of habitat during all SAR missions, and SAR operations resulting from criminal acts". (8 RM 15.8D)

The station SAR capability centers around the skills and experience of four staff members. Areas of particular concern to SAR operations include:

- Ability to command and control SAR operations.
- A good knowledge of the terrain, road networks, access points.
- Capability to operate key station equipment such as land and water crafts, radio equipment, and emergency medical equipment.

- Capable of night and foul weather navigation on land and waters of the refuge.
- A familiarity with extreme and foul weather conditions in the area.
- CPR and First Aid training.
- Media contacts experience.

These skills are incorporated as specific duties and responsibilities of individual employees under Section VII. of this plan.

Cooperative SAR Activities

A written Mutual Aid agreement has been agreed upon and signed by the Regional Director on behalf of the Service, and by the Emergency Services District Agency director on behalf of the involved counties. It covers waters of the Illinois River within the county. See Exhibit 4.

VII. Duties and Responsibilities

Notification

If anyone on the Refuge staff is contacted concerning a possible Search and Rescue situation, all other Refuge staff should be contacted. The refuge manager (or acting) will assume responsibility on actions to be taken, staff needed, and coordination needed from cooperating agencies. As quickly as possible, a decision as to the course of action will be made by the refuge manager based on the information available.

Responsibilities - Duties of staff during Search and Rescue operations.

Refuge Manager

- Staff call-up
- Requests for coordination from cooperators
- Overall operation
- Official communication with the news media
- Complete NASAR Mission Report form (Exhibit 3)
- Other paperwork
- Application of CPR and First Aid .

Assistant Refuge Manager

- Serve as Acting-in-Charge as required
- Assistance in above
- Direct supervision of field operations
- Operation of watercraft, ground search
- Application of CPR and First Aid

Maintenance Worker

- Field search
- Equipment operations
- Operation of watercraft, ground search
- Application of CPR and First Aid

Refuge Assistant

- Radio operation at headquarters
- Administrative support; i.e., supplies, telephone, meals, etc.

Chautauqua NWRCooperating Agencies

Havana Police Department	543-3321
Mason County Sheriff	543-2231
Illinois State Police	1-217-782-2377
Illinois Department of Conservation	
Law Enforcement	543-3938
Havana Field Headquarters	543-3316
State Conservation Officers	
District 10.....Sergeant John Hendricks.....	1-217-243-4959
	Radio F4-4
Mason County....William Pickett...Havana.....	543-6960
	Radio F-419
Fulton County...Larry Griffin.....Canton.....	1-647-8716
	Radio F-117

Emergency NumbersFire Departments

Ridge Lake	535-2340
Havana Rural.....	543-2211
Havana City	543-3344
Sand Ridge State Forest	1-597-2212

Ambulance

Mason County.....	543-6614
Forman Ambulance.....	1-968-6100

Personnel and Emergency Call List (in respective order)

Office Hours 8:00 A.M.- 4:30 P.M.....	535-2290
Glen Miller, Refuge Manager.....	1-968-7391
Kevin Sittauer, Assistant Refuge Manager.....	543-6515
Bill Watts, Maintenance Worker.....	543-2412
Alice Clanin, Refuge Assistant.....	1-329-2018

Cameron-Billsbach UnitCooperating Agencies

Lacon Police Department.....	1-364-2351
Henry Police Department.....	1-246-2325
Marshall County Sheriff.....	1-246-2115
Illinois State Police.....	1-676-2116

State Conservation Officers

District 10.....Sergeant John Hendricks.....	1-217-243-4959
	Radio F4-4
Marshall County ... Jim Byron.....Henry.....	1-364-3791
	Radio F-132
District 7.....Seargent Walter Litwiller....	1-815-625-0086
	Radio F-16
Putnam County..... Greg Ritter...Grandville....	1-815-339-2693
	Radio F-131

Emergency NumbersFire Departments

Henry.....	1-364-2341
Sparland.....	1-246-4325
Lacon.....	1-246-4325

Ambulance

Lacon (Police).....	1-246-2325
Henry (Police).....	1-246-2351

Personnel and Emergency Call List (in respective order)

Glen Miller, Refuge Manager	1-968-7391
Kevin Sittauer, Assistant Refuge Manager.....	543-6515
Bill Watts, Maintenance Worker.....	543-2412
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Henry.....	1-364-2341
Sparland.....	1-246-4325
Lacon.....	1-246-4325

Ambulance

Lacon (Police).....	1-246-2325
Henry (Police).....	1-246-2351

Personnel and Emergency Call List (in respective order)

Glen Miller, Refuge Manager	1-968-7391
Kevin Sittauer, Assistant Refuge Manager.....	543-6515
Bill Watts, Maintenance Worker.....	543-2412
Alice Clanin, Refuge Assistant.....	1-329-2018

Meredosia NWRCooperating Agencies

Meredosia Police Department.....	1-217-584-1351
Beardstown Police Department.....	1-217-323-3131
Cass County Sheriff.....	1-217-452-7718
Morgan County Sheriff.....	1-217-245-6103
Illinois State Police.....	1-217-782-2377
<u>State Conservation Officers</u>	
John Hendricks.....Sergeant, District 10.....	1-217-243-4959 Radio F-4
Cass County..Blaine Eickelschulte...Virginia..	1-217-452-3718 Radio F-416
Morgan County.....Jeff McCourtney....Chapin..	1-217-472-6401 Radio F-415

Emergency NumbersFire Departments

Meredosia.....	1-217-584-1831
Beardstown.....	1-217-323-3121

Ambulance

Merdosia Rescue Squad.....	1-217-584-1341
Beardstown.....	1-217-323-3121

Personnel and Emergency Call List (in respective order)

Glen Miller, Refuge Manager.....	1-968-7391
Kevin Sittauer, Assistant Refuge Manager.....	543-6515
Bill Watts, Maintenance Worker.....	543-2412
Alice Clanin, Refuge Assistant.....	1-329-2018

Government Equipment Available
for
Search and Rescue Activities

Watercraft

- 16' Jon boat (51" base) with Coast Guard bow and 25 h.p. outboard motor
- 16' Jon boat (51" base) with 15 h.p. outboard motor

Fire

- 200 gallon pumper, with 75' of 1 1/2" hose, mounted on a trailer with 1 7/8" trailer hitch

Vehicles

- 4x4 Jeep pickup with trailer hitch
- 4x4 Dodge Ramcharger
- 2x4 Dodge Dakota pickup with trailer hitch
- 4 door Plymouth sedan station wagon
- 65 h.p. farm tractor with front-end loader and backblade
- 86 h.p. farm tractor (at Meredosia N.W.R.)

Radios (refuge frequency only)

- 1 base
- 4 mobile
- 1 portable

Dragging

- A 5' drag bar is here on loan from the Illinois Department of Conservation.

Training Needs and Accomplishments

<u>Training</u>	<u>Position</u>	<u>Completed</u>	
		<u>Yes</u>	<u>No</u>
CPR	Manager		x
	Asst. Manager	x	
	Maintenance Worker	x	
First Aid	Manager		x
	Asst. Manager	x	
	Maintenance Worker	x	
Watercraft Safety	Manager		x
	Asst. Manager		x
	Maintenance Worker		x

SEARCH AND RESCUE
MUTUAL AID AGREEMENT

The undersigned, being Havana City Fire Department, Mason County Sheriff's Department, and Mason County Emergency Services-Disaster Agency (ESDA) and Chautauqua National Wildlife Refuge (NWR), by and through their duly authorized officers, do hereby mutually agree:

1. That, in the event of emergency or disaster, any of the parties to this agreement may be in need of equipment and manpower in excess of their current resources.
2. That, in the event of such emergency or disaster, aid from one or more of the other parties to this agreement would be of great value and assistance to the parties so stricken.
3. That each of the parties hereto recognize that such emergency is likely to arise and wish to provide a system of mutual aid and assistance in meeting such a situation.
4. Therefore, it is mutually agreed between the parties hereto by their respective officers that any party hereto will, upon call, furnish to any other party all available equipment and personnel at the site of the disaster, under the following conditions:
 - A. The geographical limitations of this agreement are the waters of the Illinois River, its tributaries and backwaters within the County of Mason, State of Illinois.
 - B. The party experiencing such an emergency in its territory shall request such aid and assistance by a call to the Fire Chief of Havana City Fire Department, Sheriff of Mason County, Coordinator of Mason County ESDA, or Manager of Chautauqua NWR. Such request for aid and assistance shall be made by Fire Chief, Sheriff, ESDA Coordinator, or Refuge Manager or by any Trustee or property Officer of any of the parties hereto.
 - C. Any party hereto in its discretion shall have an absolute right to refuse to furnish any equipment or personnel to any other party consistent with the primary purpose of

providing protection within its own territory, or to furnish such equipment and personnel as it chooses. Such discretion shall be exercised by the Fire Chief, Sheriff, Coordinator, or Refuge Manager or, in his absence, by such person as is reached by call through the use of the list provided in the preceding paragraph.

- D. Equipment and personnel at the site of the disaster shall be under the sole control and direction of the proper representative of the party hereto furnishing such equipment and personnel and said proper representative shall have an absolute discretionary right to remove such equipment and personnel from the site aforesaid at any such time as he shall desire to do so. However, the Officer in charge of the organization in whose district the disaster is located shall be in overall command of all departments responding to such disasters and shall direct the activities of all departments in combatting a disaster through orders given to their respective commanding officers.
5. This agreement may be terminated by any party hereto by said party giving written notice to all other parties hereto upon a date not less than thirty days from the date of giving of such written notice, but the withdrawal of one or more parties to this agreement by such notice shall not affect the agreement of the remaining parties so long as two or more of said parties desire said agreement to remain effective.
6. Each party hereto waives to all other parties hereto any and all claims against any other party hereto for compensation for any loss, damage, personal injury or death that shall arise in consequence by the performance of this agreement. No party shall, under any circumstances, be held liable for any loss or damage by reason of its failure to effectively combat any disaster in the territory of any other party.
7. The parties hereto shall not discriminate against any employee or applicant for employment because of race, creed, color, or national origin.
8. This agreement shall extend from the date of execution until terminated or revised.

IN WITNESS WHEREOF, the respective parties hereto have executed this agreement on the day and year appearing with their signatures hereto:

Havana City Fire Department

Mayor Date

City Clerk Date

Fire Marshall Date

Fire Chief Date

Mason County Sheriff's

Department


Sheriff Date

Mason County Emergency Services

and Disaster Agency

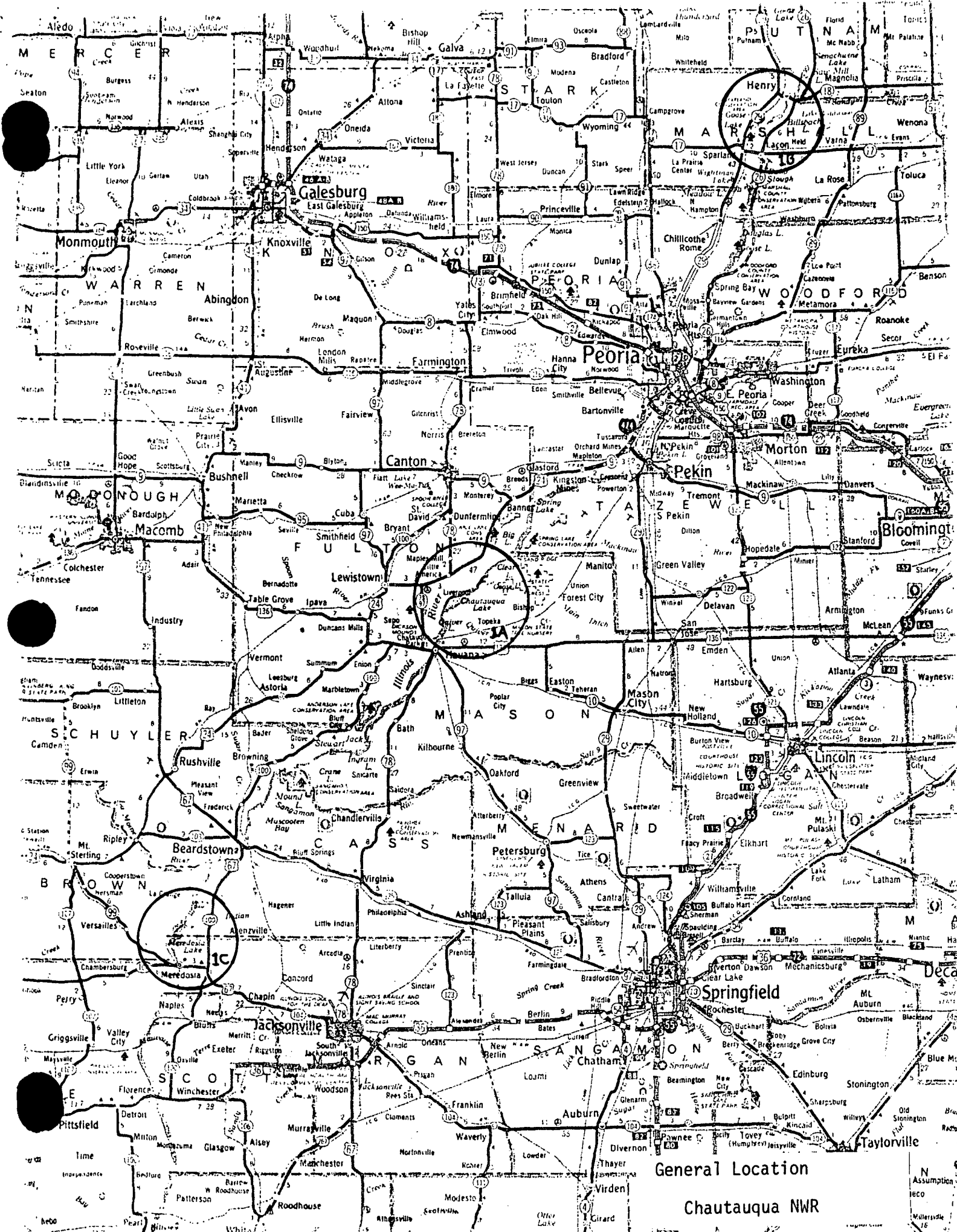
Coordinator Date

U. S. Fish and Wildlife Service



Acting Regional Director

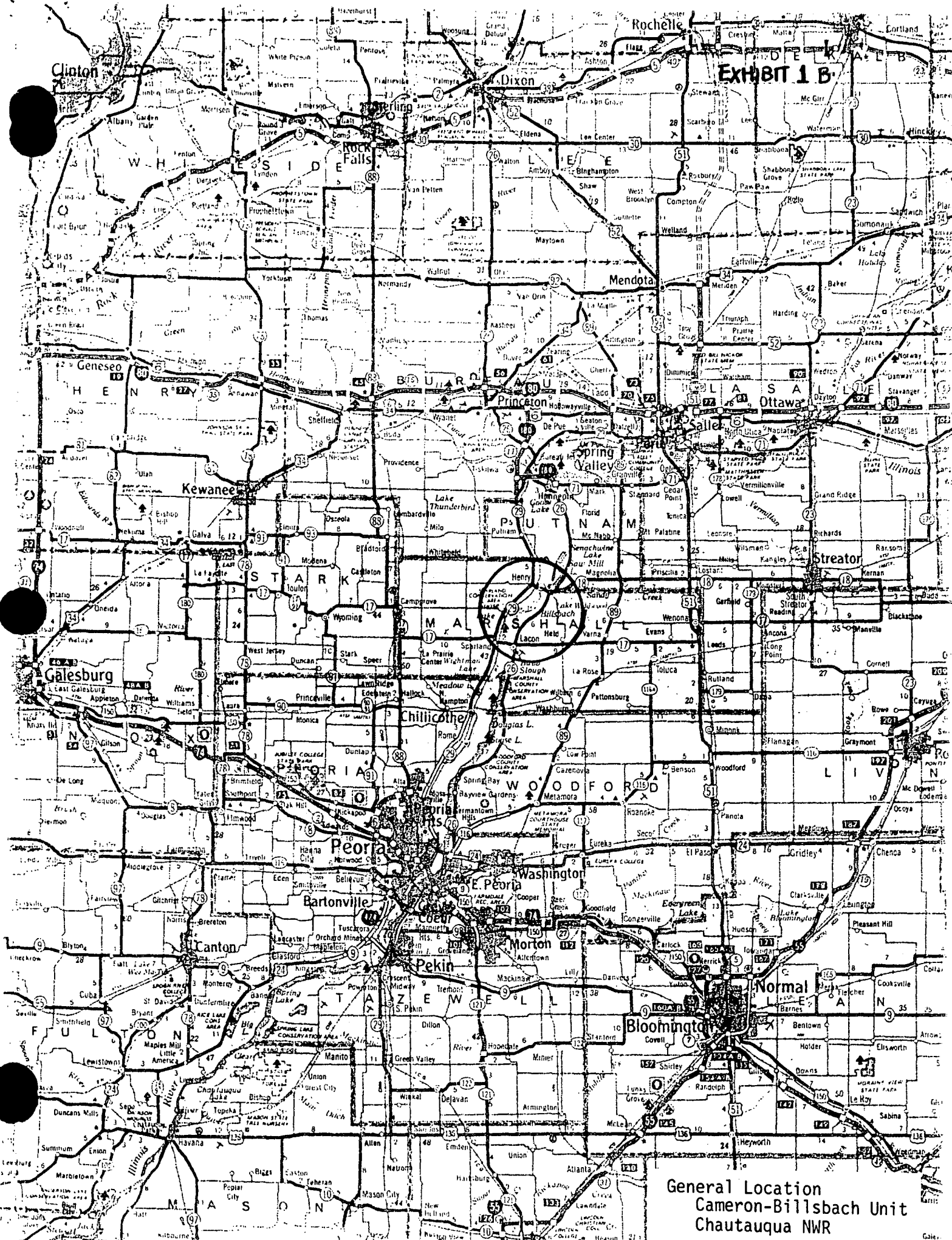
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Date



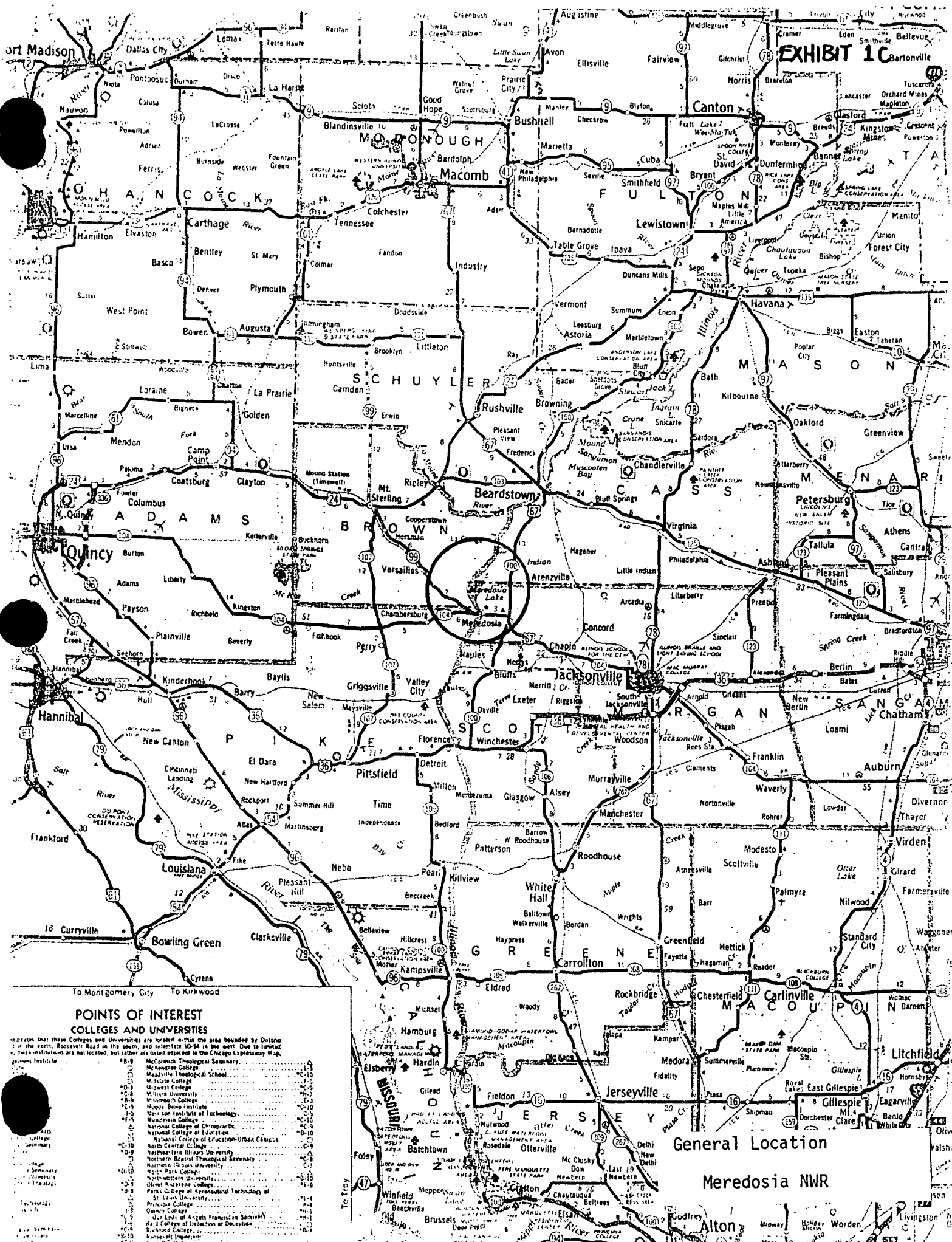
General Location

Chautauqua NWR

EXHIBIT 1 B



General Location
Cameron-Billsbach Unit
Chautauqua NWR



POINTS OF INTEREST
COLLEGES AND UNIVERSITIES

- Indicates that these Colleges and Universities are located within the area bounded by Ontario to the east, Roosevelt Road to the south, and Interstate 30-36 to the west. Due to limited space, these institutions are not located, but rather are listed relative to the Chicago Expressway Management Institute.
- PC-1 McCormick Theological Seminary
 - PC-2 McKendree College
 - PC-3 Washburn Theological School
 - PC-4 Midstate College
 - PC-5 Midwest College
 - PC-6 Nelson University
 - PC-7 Monmouth College
 - PC-8 Woods Bible Institute
 - PC-9 Mayson Institute of Technology
 - PC-10 Wheaton College
 - PC-11 National College of Chiropractic
 - PC-12 National College of Educational Administration
 - PC-13 National College of Education-Urbana Campus
 - PC-14 North Central College
 - PC-15 Northern Illinois University
 - PC-16 Northern Baptist Theological Seminary
 - PC-17 Northern Illinois University
 - PC-18 North Park College
 - PC-19 Northwestern University
 - PC-20 Saint Nazarene College
 - PC-21 Park College of Agricultural Technology at St. Louis University
 - PC-22 Principia College
 - PC-23 Quincy College
 - PC-24 St. Louis College of Angels-Franco-American Seminary
 - PC-25 St. Joseph College of Education of Oklahoma
 - PC-26 St. Mary's College
 - PC-27 Washburn Institute
 - PC-28 Washburn University
 - PC-29 St. Louis University

General Location
Meredosia NWR

CHAUTAQUA NATIONAL WILDLIFE REFUGE

MASON COUNTY, ILLINOIS

UNITED STATES
DEPARTMENT OF THE INTERIOR

FISH AND WILDLIFE SERVICE
BUREAU OF SPORT FISHERIES AND WILDLIFE

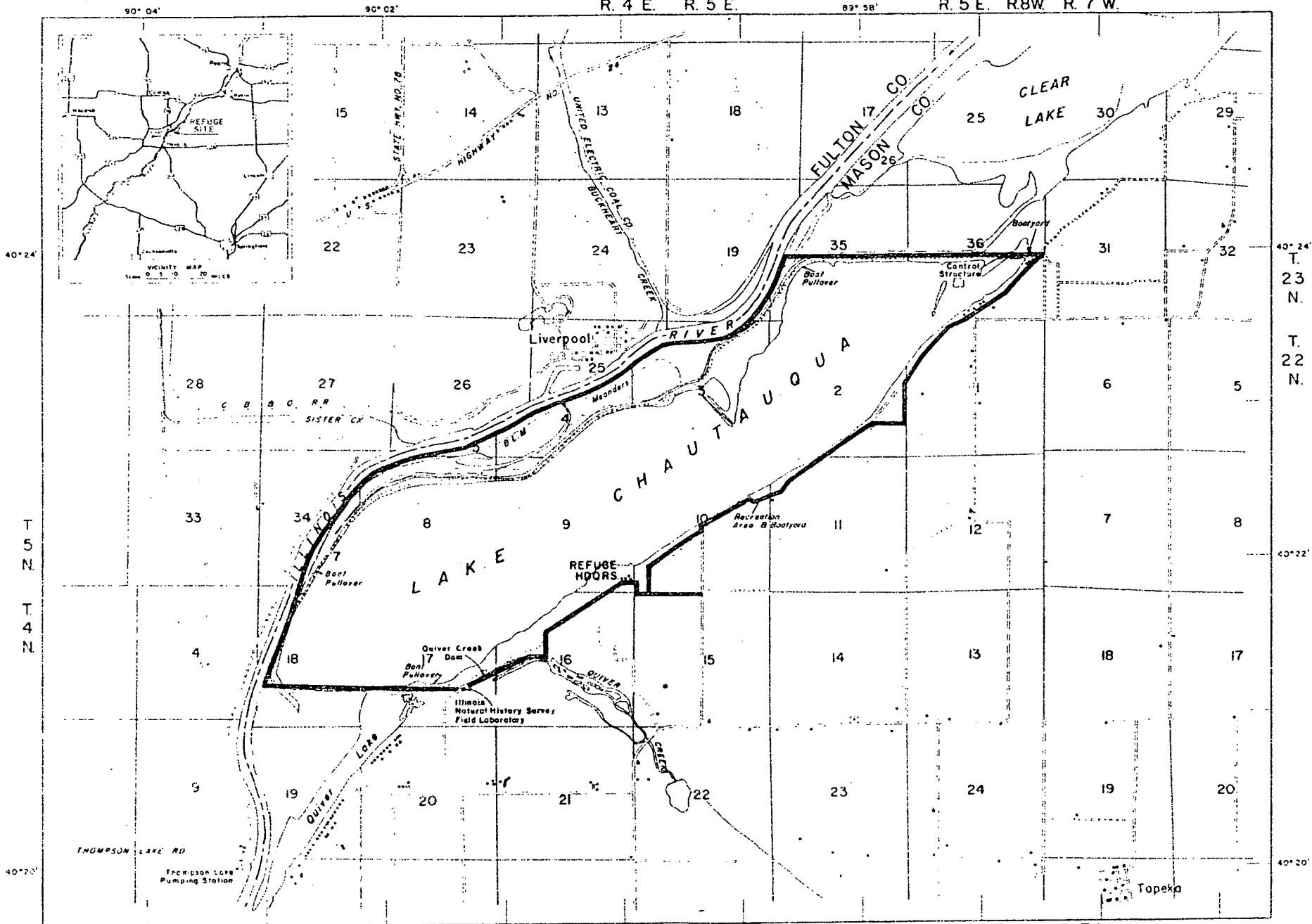


EXHIBIT 2A

COMPILED IN THE BRANCH OF ENGINEERING
FROM AERIAL PHOTOGRAPHS AND SURVEYS
BY THE B.L.M. B.L.M.

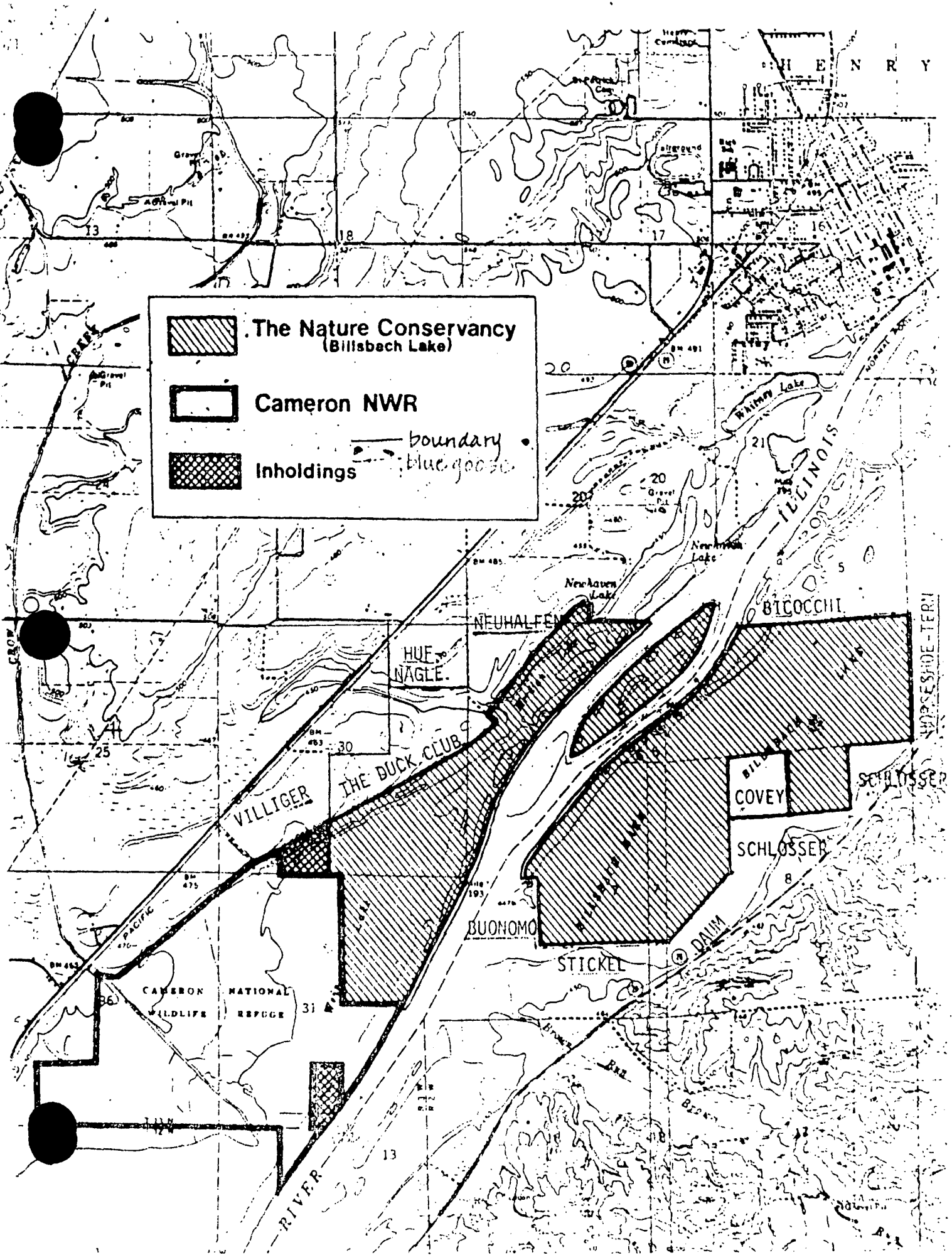
THIRD PRINCIPAL MERIDIAN


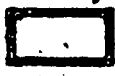
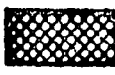




TOWNSHIP
DIAGRAM

MEAN
DECLINATION
565

JULY 1966



	The Nature Conservancy (Billsbach Lake)
	Cameron NWR
	Inholdings
	boundary
	blue goose

H E N R Y

STICCOCHI

HUF
NAGLE

VILLIGER

THE DUCK CLUB

BILG

SCHLOSSER

BUONOMO

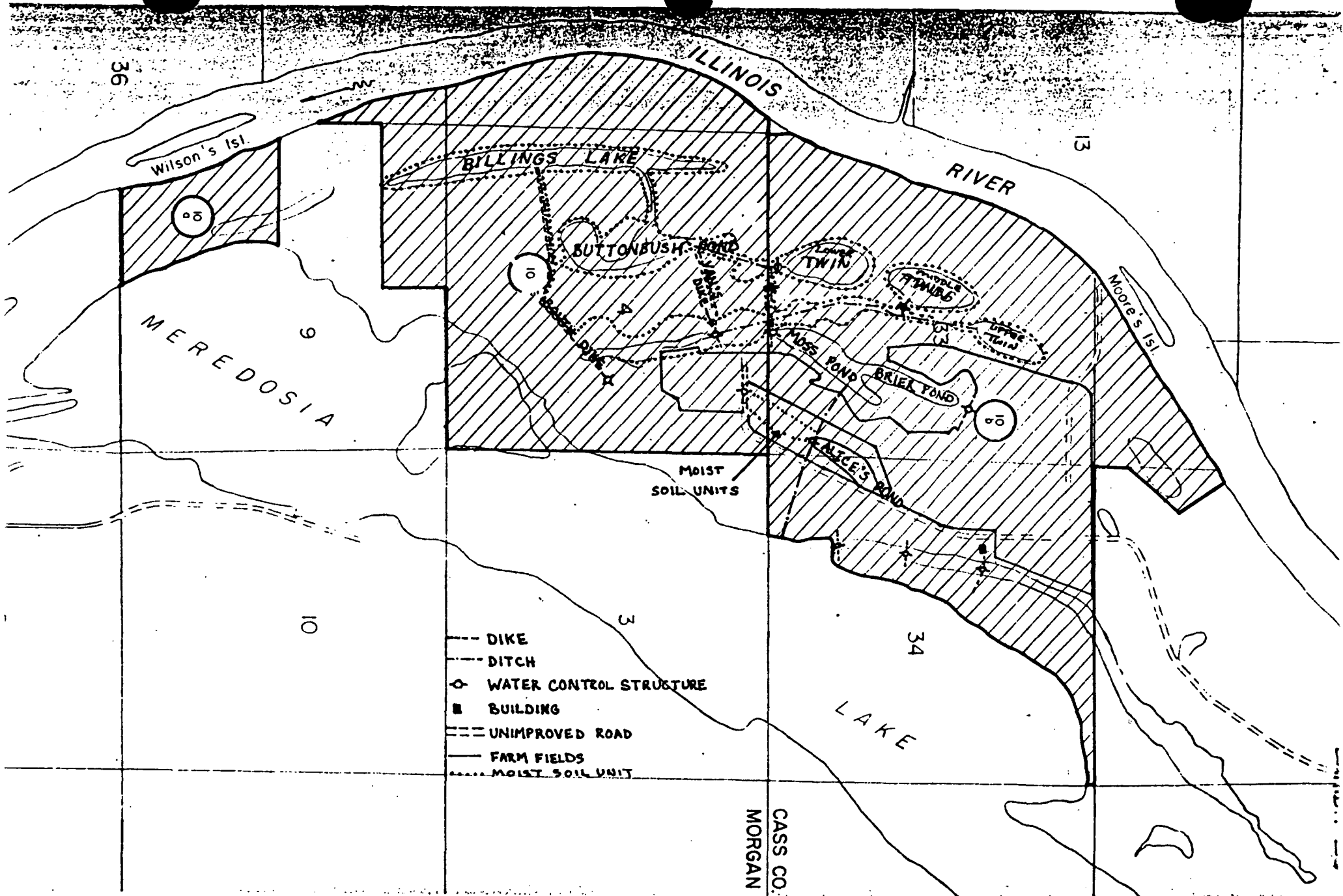
STICHEL

DAIM

CAMERON NATIONAL
WILDLIFE REFUGE

RIVER

WAPESHOE-TERRI



36

13

Wilson's Isl.

ILLINOIS RIVER

BILLINGS LAKE

8

SUTTONBUSH POND

10

TWIN

MIDDLE POND

MEREDOSIA

9

Moore's Isl.

UPPER TWIN

MOSS POND

BRIER POND

10

MOIST SOIL UNITS

SAUCE'S POND

10

3

- DIKE
- - - DITCH
- ⊕ WATER CONTROL STRUCTURE
- BUILDING
- - - UNIMPROVED ROAD
- FARM FIELDS
- MOIST SOIL UNIT

34

LAKE

CASS CO.
MORGAN

NASAR
 Box 21231
 LaTolla, CA 92038 (\$1.00/hundred)

MISSION REPORT

MISSION IDENTIFICATION

UNIT NAME _____ UNIT ZIP CODE _____
 CALLED TO HELP Month _____ Day _____ Year _____
 By local authority/Sheriff By other SAR team By subject's companions
 By state SAR organization By subject's family

MISSION - Case/ NUMBER(s) Incident No _____ State _____ Other _____ MISSION COORDINATOR _____

INCIDENT

SUBJECT WAS LOST/INJURED Month _____ Day _____ Year _____
 NUMBER LOST/NEEDING HELP _____ NUMBER IN PARTY _____ (If any) GROUP AFFILIATION _____
 LOCATION INJURED OR LAST SEEN POINT (If lost) Lat. / / "N. Long. / / "W. OTHER NAME/ DESCRIPTION _____
 (If lost) DESTINATION Lat. / / "N. Long. / / "W. OTHER NAME/ DESCRIPTION _____
 (If lost) INTENDED ROUTE _____

ACTIVITY	SITUATION	(If lost) LAST KNOWN POSITION	DESCRIPTION (Optional) OF INCIDENT
<input type="checkbox"/> Climber	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	
<input type="checkbox"/> Hiker	<input type="checkbox"/> Lost	<input type="checkbox"/> Last seen point	
<input type="checkbox"/> Hunter	<input type="checkbox"/> Stranded	<input type="checkbox"/> Abandoned car	
<input type="checkbox"/> Skier	<input type="checkbox"/> Injury	<input type="checkbox"/> Building	
<input type="checkbox"/> Snowmobile	<input type="checkbox"/> Illness	<input type="checkbox"/> Known route	
<input type="checkbox"/> Vehicle	<input type="checkbox"/> Runway	<input type="checkbox"/> Known destination	
<input type="checkbox"/> Aircraft	<input type="checkbox"/> Overdue	<input type="checkbox"/> Confirmed clue	
<input type="checkbox"/> Boat	<input type="checkbox"/> False alarm	<input type="checkbox"/> None	

SUBJECT INFORMATION

SUBJECT(S) NAME	AGE/SEX	ADDRESS	TOWN	STATE
A				
B				
C				

PRIOR PHYSICAL CONDITION	PRIOR MENTAL CONDITION	EXPERIENCE AT ACTIVITY	EQUIPMENT FOR ACTIVITY	CLOTHING FOR ENVIRONMENT	PRIOR SURVIVAL TRAINING
A B C <input type="checkbox"/> Unknown <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Sick	A B C <input type="checkbox"/> Unknown <input type="checkbox"/> Normal <input type="checkbox"/> Upset <input type="checkbox"/> Angry <input type="checkbox"/> Retarded	A B C <input type="checkbox"/> Unknown <input type="checkbox"/> Much <input type="checkbox"/> Some <input type="checkbox"/> Little <input type="checkbox"/> None	A B C <input type="checkbox"/> Unknown <input type="checkbox"/> Adequate <input type="checkbox"/> Questionable <input type="checkbox"/> Inadequate <input type="checkbox"/> Lost it	A B C <input type="checkbox"/> Unknown <input type="checkbox"/> Appropriate <input type="checkbox"/> Questionable <input type="checkbox"/> Inappropriate <input type="checkbox"/> Lost it	A B C <input type="checkbox"/> Unknown <input type="checkbox"/> Military course <input type="checkbox"/> Civilian course <input type="checkbox"/> Books, reading <input type="checkbox"/> None

RESPONSE

TYPE OF RESPONSE	RESCUE/RECOVERY TECHNIQUES USED	(If lost) SEARCH TECHNIQUES USED	DESCRIPTION (Optional) OF RESPONSE
<input type="checkbox"/> Standby only <input type="checkbox"/> Callout only <input type="checkbox"/> Land search <input type="checkbox"/> Water search <input type="checkbox"/> Air search <input type="checkbox"/> Rescue <input type="checkbox"/> Body recovery	<input type="checkbox"/> Assist/own power <input type="checkbox"/> Carry-out by foot <input type="checkbox"/> Rock/scree evac. <input type="checkbox"/> Evac. by animal <input type="checkbox"/> Watercraft evac. <input type="checkbox"/> Evac. by vehicle <input type="checkbox"/> Aircraft evac.	<input type="checkbox"/> Confinement <input type="checkbox"/> Attraction <input type="checkbox"/> Rasty search <input type="checkbox"/> Visual tracking <input type="checkbox"/> Search dogs <input type="checkbox"/> Line search <input type="checkbox"/> Air search	

CONDITIONS

GENERAL CONDITIONS ENCOUNTERED BY SUBJECT				GENERAL TERRAIN TRAVELED BY SUBJECT			
				TERRAIN CHARACTERISTICS	VEGETATION		
<input type="checkbox"/> Clear	Elevation	<input type="checkbox"/> 0	ft.	<input type="checkbox"/> Flat	<input type="checkbox"/> Rock	<input type="checkbox"/> Unknown	BRUSH
<input type="checkbox"/> Partly cloudy	Temp.	<input type="checkbox"/> 0	°F	<input type="checkbox"/> Rolling	<input type="checkbox"/> Snow	<input type="checkbox"/> Easy	None
<input type="checkbox"/> Overcast	Wind	<input type="checkbox"/> 0	mph	<input type="checkbox"/> Hilly	<input type="checkbox"/> Wooded	<input type="checkbox"/> Moderate	Some
<input type="checkbox"/> Foggy	Raining	<input type="checkbox"/> 0	in.	<input type="checkbox"/> Rugged	<input type="checkbox"/> Marshy	<input type="checkbox"/> Difficult	Medium
<input type="checkbox"/> Stormy	Snowing	<input type="checkbox"/> 0	in.	<input type="checkbox"/> Mountains	<input type="checkbox"/> Desert	<input type="checkbox"/> Technical	Dense
<input type="checkbox"/>	Visibility	<input type="checkbox"/> 0	mi.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixed

RESULTS

SUBJECT WAS FOUND/RESCUED Month _____ Day _____ Year _____ Time ^{24 Hr. Time} _____
 By SAR effort By him/herself Not found/Rescued
 By bystanders Never needed help

LOCATION FOUND/RESCUED Lat. _____ / _____ 'N. Long. _____ / _____ 'W. OTHER NAME/DESCRIPTION _____

AS A RESULT OF SAR EFFORT, TOTAL NUMBER OF PERSONS FOUND _____ RESCUED _____ LIVES REALLY SAVED _____

REASON MISSION TERMINATED	(If lost) FOUND IN	(If found by SAR effort) CLUES FOUND BY	(If found by SAR effort) SUBJECT FOUND BY	DESCRIPTION OF FIND/RESCUE (optional)
<input type="checkbox"/> Successful	<input type="checkbox"/> Primary search area	<input type="checkbox"/> Interrogation	<input type="checkbox"/>	
<input type="checkbox"/> Lack manpower	<input type="checkbox"/> Secondary search area	<input type="checkbox"/> Confinement	<input type="checkbox"/>	
<input type="checkbox"/> Lack equipment	<input type="checkbox"/> Area previously searched	<input type="checkbox"/> Attraction	<input type="checkbox"/>	
<input type="checkbox"/> Lack support	<input type="checkbox"/> Out of search area	<input type="checkbox"/> Hasty search	<input type="checkbox"/>	
<input type="checkbox"/> Lack clues	<input type="checkbox"/> Home, bar, motel, etc.	<input type="checkbox"/> Visual tracking	<input type="checkbox"/>	
<input type="checkbox"/> Hazardous terrain	<input type="checkbox"/>	<input type="checkbox"/> Search dogs	<input type="checkbox"/>	
<input type="checkbox"/> Severe weather	<input type="checkbox"/>	<input type="checkbox"/> Line search	<input type="checkbox"/>	
<input type="checkbox"/> Too large an area	<input type="checkbox"/>	<input type="checkbox"/> Helicopter	<input type="checkbox"/>	
<input type="checkbox"/> Authority decision	<input type="checkbox"/>	<input type="checkbox"/> Fixed wing	<input type="checkbox"/>	
<input type="checkbox"/> Family decision	<input type="checkbox"/>	<input type="checkbox"/> Subject's signal	<input type="checkbox"/>	

(Additional comments attached)

MEDICAL INFORMATION

EXTENT OF INJURIES	MEDICAL/ENVIRONMENTAL	TRAUMATIC INJURIES	DESCRIPTION OF MEDICAL CARE (optional)
A B C <input type="checkbox"/> None/Uninjured	A B C <input type="checkbox"/> Internal illness	A B C <input type="checkbox"/> Soft tissue wound	
<input type="checkbox"/> Slight/First aid	<input type="checkbox"/> Heart attack	<input type="checkbox"/> Internal organs	
<input type="checkbox"/> Moderate/Doctors care	<input type="checkbox"/> Breathing prob.	<input type="checkbox"/> Skeletal system	
<input type="checkbox"/> Severe/Hospitalized	<input type="checkbox"/> Altitude sick	<input type="checkbox"/> Respiratory	
<input type="checkbox"/> Fatal	<input type="checkbox"/> Cold exposure	<input type="checkbox"/> Circulatory	
	<input type="checkbox"/> Heat exposure	<input type="checkbox"/> Nervous system	
	<input type="checkbox"/> Poisons/Drugs	<input type="checkbox"/> Burns	
	<input type="checkbox"/> Shock	<input type="checkbox"/> Drowning	

(Additional comments attached)

SUBJECT BEHAVIOR

CAUSE OF INCIDENT	(If injury) REASON(s)	(If lost) REASON(s)	(If lost) FOLLOWED	(If lost) DETECTABILITY	ACTION(s) TAKEN
<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	YES <input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown
<input type="checkbox"/> Human error	<input type="checkbox"/> Haste	<input type="checkbox"/> Poor supervision	<input type="checkbox"/> Path/trail/road	<input type="checkbox"/> Conscious	<input type="checkbox"/> Sought shelter
<input type="checkbox"/> Caused by Victim	<input type="checkbox"/> Excess ability	<input type="checkbox"/> Accidental separation	<input type="checkbox"/> Natural drainage	<input type="checkbox"/> Cooperative	<input type="checkbox"/> Conserved energy
<input type="checkbox"/> Other person caused	<input type="checkbox"/> Fatigue	<input type="checkbox"/> Intentional separation	<input type="checkbox"/> Natural clearings	<input type="checkbox"/> Verbal response	<input type="checkbox"/> Built fire
<input type="checkbox"/> Caused by Nature	<input type="checkbox"/> Fall or slip	<input type="checkbox"/> Took short cut	<input type="checkbox"/> Toward landmark	<input type="checkbox"/> Mobile	<input type="checkbox"/> Found food
<input type="checkbox"/> Weather	<input type="checkbox"/> Inadequate equip.	<input type="checkbox"/> Poor map/no map	<input type="checkbox"/> Toward civilization	<input type="checkbox"/> Visual sighting	<input type="checkbox"/> Signaled for help
<input type="checkbox"/> Darkness	<input type="checkbox"/> Misuse of equip.	<input type="checkbox"/> Disoriented	<input type="checkbox"/> Over major obstacle	<input type="checkbox"/> Prone position	<input type="checkbox"/> No self help
<input type="checkbox"/> Falling object	<input type="checkbox"/> Anchor failure	<input type="checkbox"/> Poor trail/markings	<input type="checkbox"/> Wandered about	<input type="checkbox"/> Dark clothing	<input type="checkbox"/> Discard equipment
<input type="checkbox"/> Equipment failure	<input type="checkbox"/> Belay failures	<input type="checkbox"/> Miscalc time/distance	<input type="checkbox"/> Went cross country	<input type="checkbox"/> Hidden from view	<input type="checkbox"/> Panicked

(If lost) WHAT WAS THE "AIR" DISTANCE FROM THE LAST KNOWN POSITION TO WHERE THE SUBJECT WAS FOUND? _____ MI.

FROM THE LAST KNOWN POSITION, WAS THE SUBJECT FOUND GENERALLY Upwards Downwards Same elevation HOW FAR? _____ Ft. elevation

HOW LONG WAS THE SUBJECT ACTUALLY MOBILE AND WALKING? _____ Hours Unknown Day travel only Night travel only Both day and night travel

RESOURCES USED

MISSION WAS CLOSED ON Month _____ Day _____ Year _____ Time ^{24 Hr. Time} _____
 NOTE: Manhours and Equipment used should include time for MOBILIZATION, ENROUTE, MISSION & RETURN HOME

EQUIPMENT INVOLVED	Total for all	OTHER UNITS INVOLVED	No. of Persons	TOTAL PERSONNEL/MANHOURS INVOLVED
Helicopters	Hrs.			Total number of YOUR personnel involved _____
Fixed Wing	Hrs.			Total manhours expended by YOUR unit _____
Ambulances	ML			Total number of ALL personnel involved _____
TWD Vehicle	ML			Total manhours expended by ALL personnel _____
4WD Vehicle	ML			COMMENTS (optional)
Power Boat	Hrs.			PROBLEMS
Horses	Hrs.			
Dogs	Hrs.			

REPORT PREPARED BY _____

PHONE _____

Please send this form with the B-343 (yellow r.c.) to the Washington office