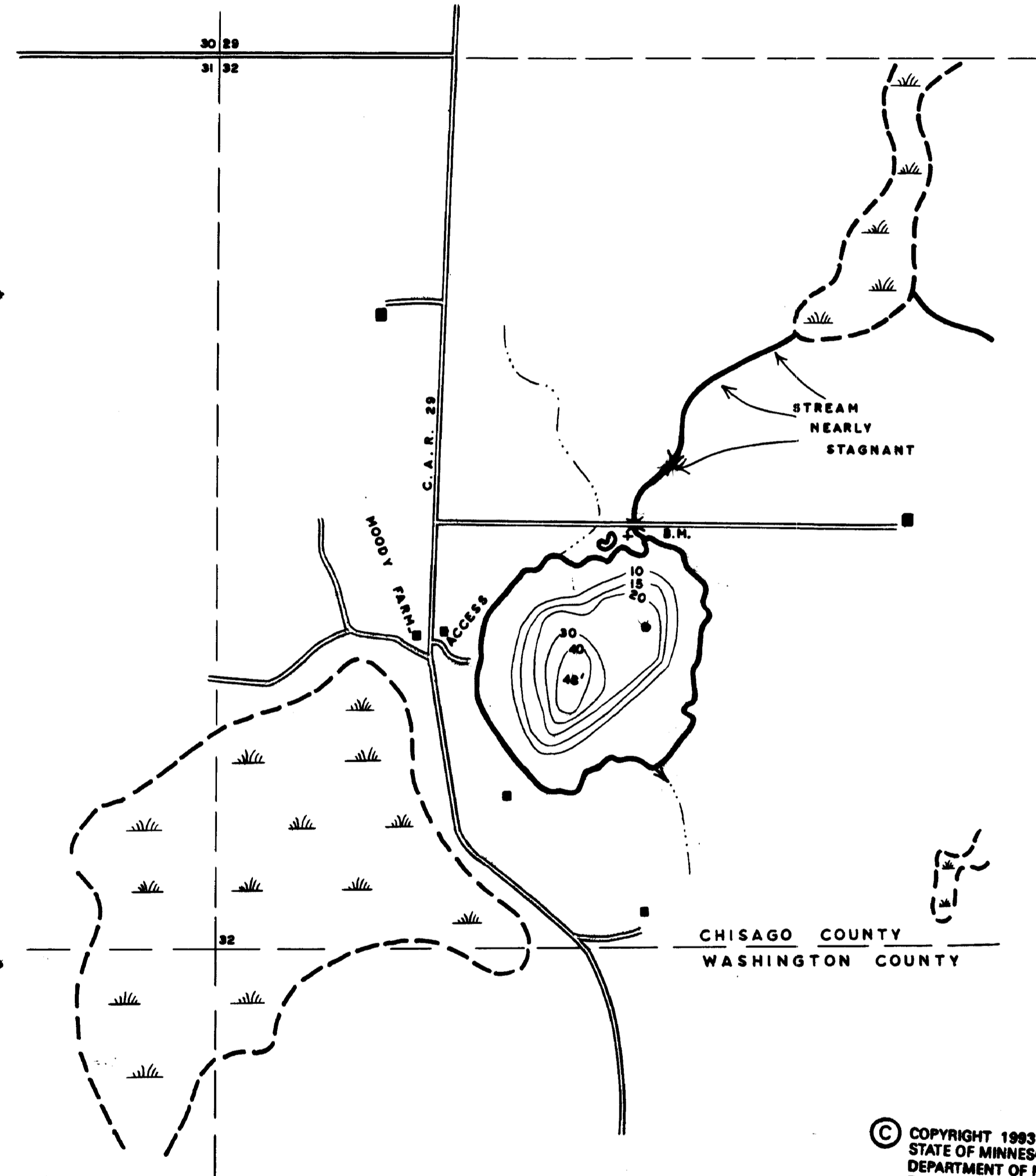
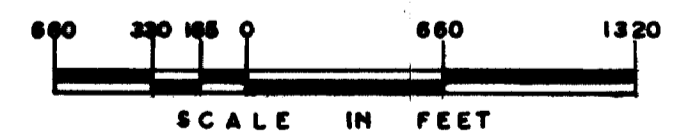

Appendix H

Lake Bathymetric Maps

- **Moody Lake**
- **Bone Lake**
- **Birch Lake**
- **School Lake**
- **Comfort and Little Comfort Lakes**
- **Sylvan Lake**
- **Shields Lake**
- **Forest Lake**



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B.M. = T.C. SOUTH END OF 3' C.M.C. WHERE
 OUTLET CROSSES ROAD ON N. SHORE.

W.S. = B.M. - 2.9'

PLANIMETERED AREA = 35.9 ACRES.

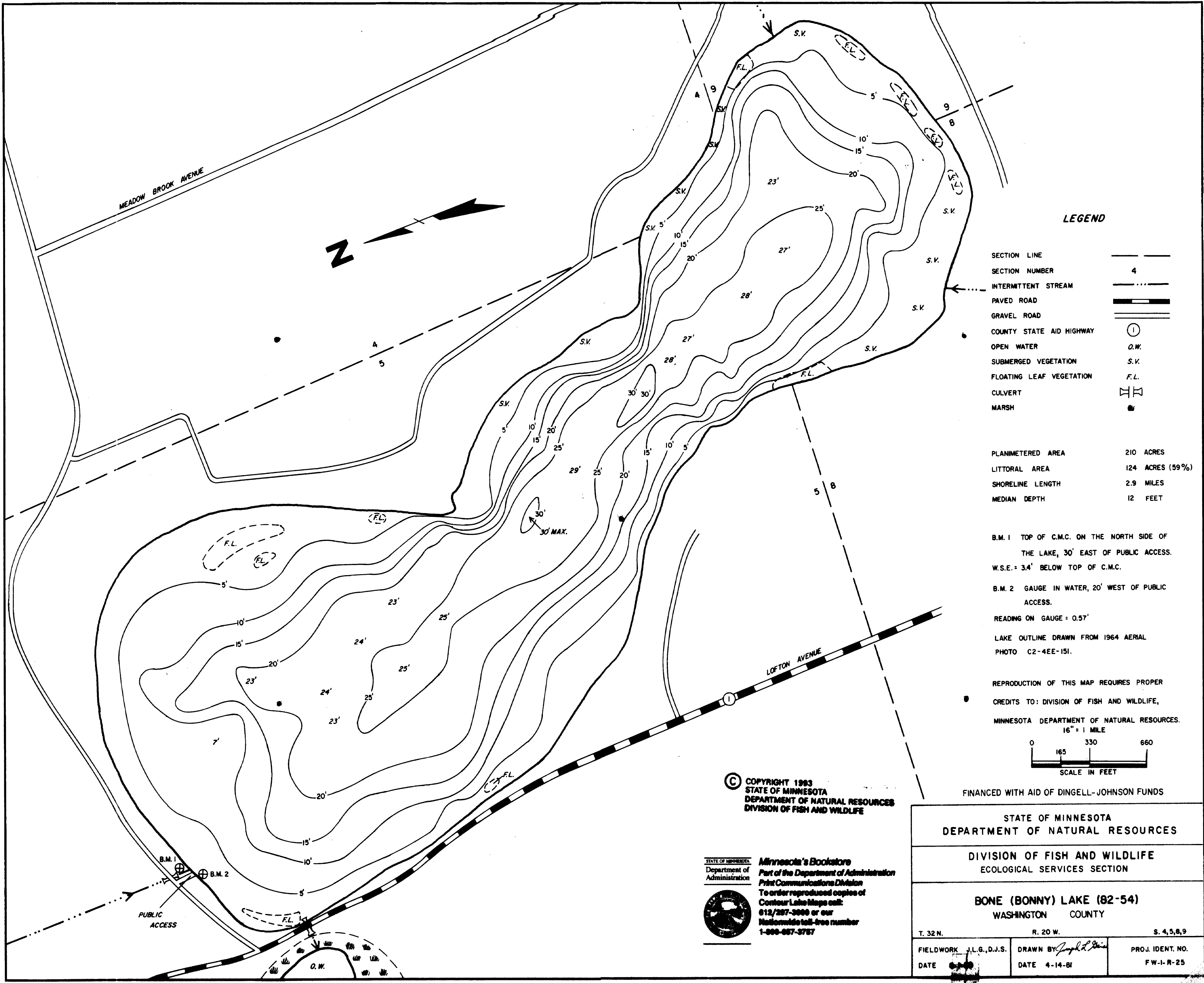
OUTLINE TAKEN FROM 1957 AERIAL
 PHOTOS.

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DIVISION OF GAME AND FISH BUREAU OF RESEARCH AND PLANNING		
MOODY LAKE 13-23 CHISAGO COUNTY		
TWP. 33 N.	R. 20 W.	SEC. 32
FIELDWORK: ANGSTHAN	DRAWN BY: LESTER	PROJ. IDENT. NO.
DATE: 6-30-59	DATE: 3-28-60	FW-1-R-4

1085

NO NO. C 1085



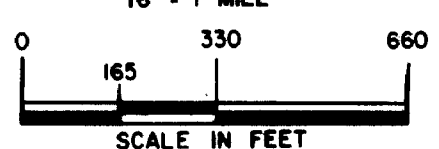
LEGEND

- SECTION LINE
- SECTION NUMBER 4
- INTERMITTENT STREAM
- PAVED ROAD
- GRAVEL ROAD
- COUNTY STATE AID HIGHWAY
- OPEN WATER
- SUBMERGED VEGETATION
- FLOATING LEAF VEGETATION
- CULVERT
- MARSH

PLANIMETERED AREA 210 ACRES
 LITTORAL AREA 124 ACRES (59%)
 SHORELINE LENGTH 2.9 MILES
 MEDIAN DEPTH 12 FEET

B.M. 1 TOP OF C.M.C. ON THE NORTH SIDE OF THE LAKE, 30' EAST OF PUBLIC ACCESS. W.S.E. = 3.4' BELOW TOP OF C.M.C.
 B.M. 2 GAUGE IN WATER, 20' WEST OF PUBLIC ACCESS.
 READING ON GAUGE = 0.57'
 LAKE OUTLINE DRAWN FROM 1964 AERIAL PHOTO C2-4EE-151.

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DIVISION OF FISH AND WILDLIFE ECOLOGICAL SERVICES SECTION		
BONE (BONNY) LAKE (82-54) WASHINGTON COUNTY		
T. 32 N.	R. 20 W.	S. 4, 5, 8, 9
FIELDWORK J.L.G., D.J.S.	DRAWN BY <i>Joseph L. G.</i>	PROJ. IDENT. NO.
DATE	DATE 4-14-81	FW-1-R-25

C-0756

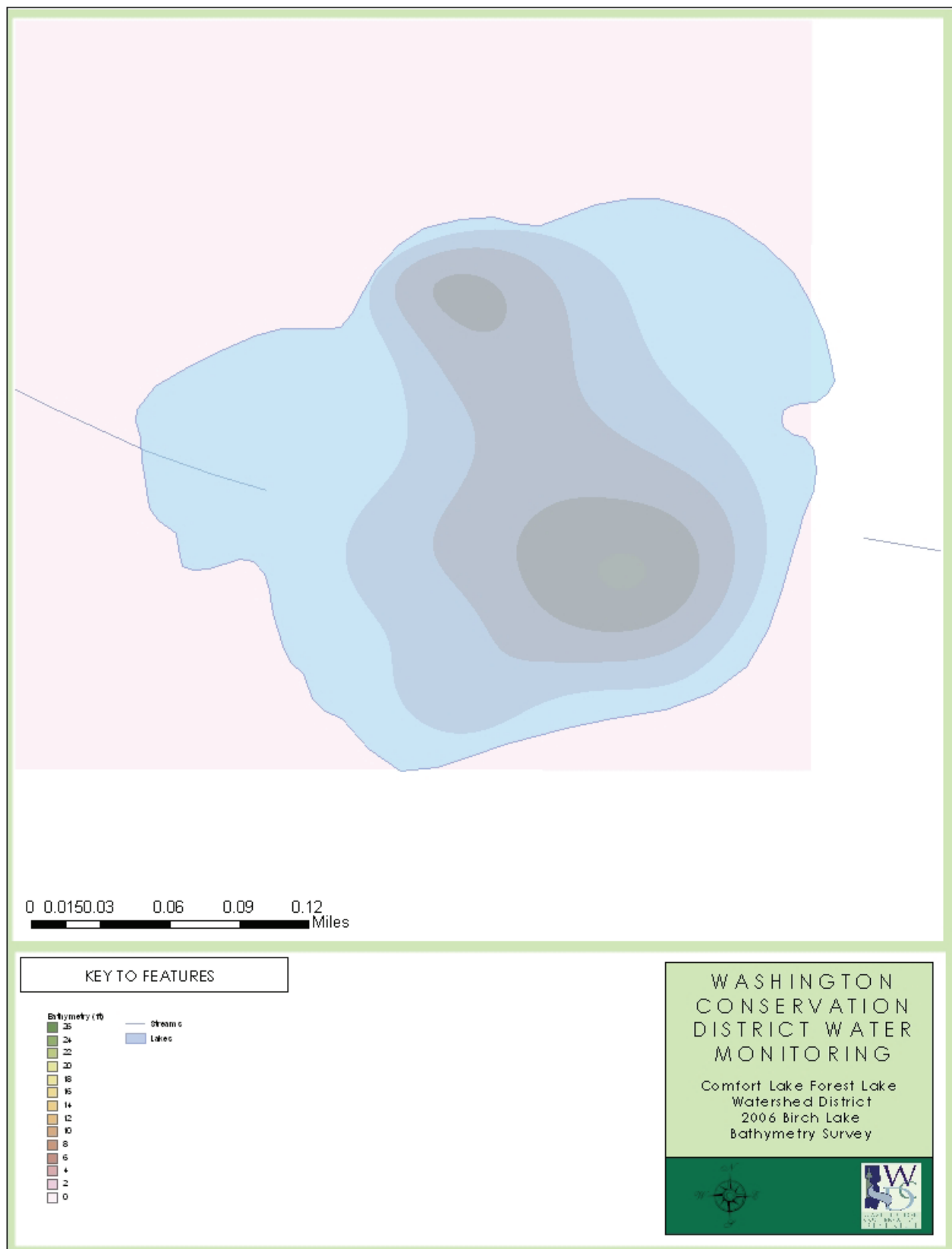


Figure 56. Birch Lake Bathymetry Survey

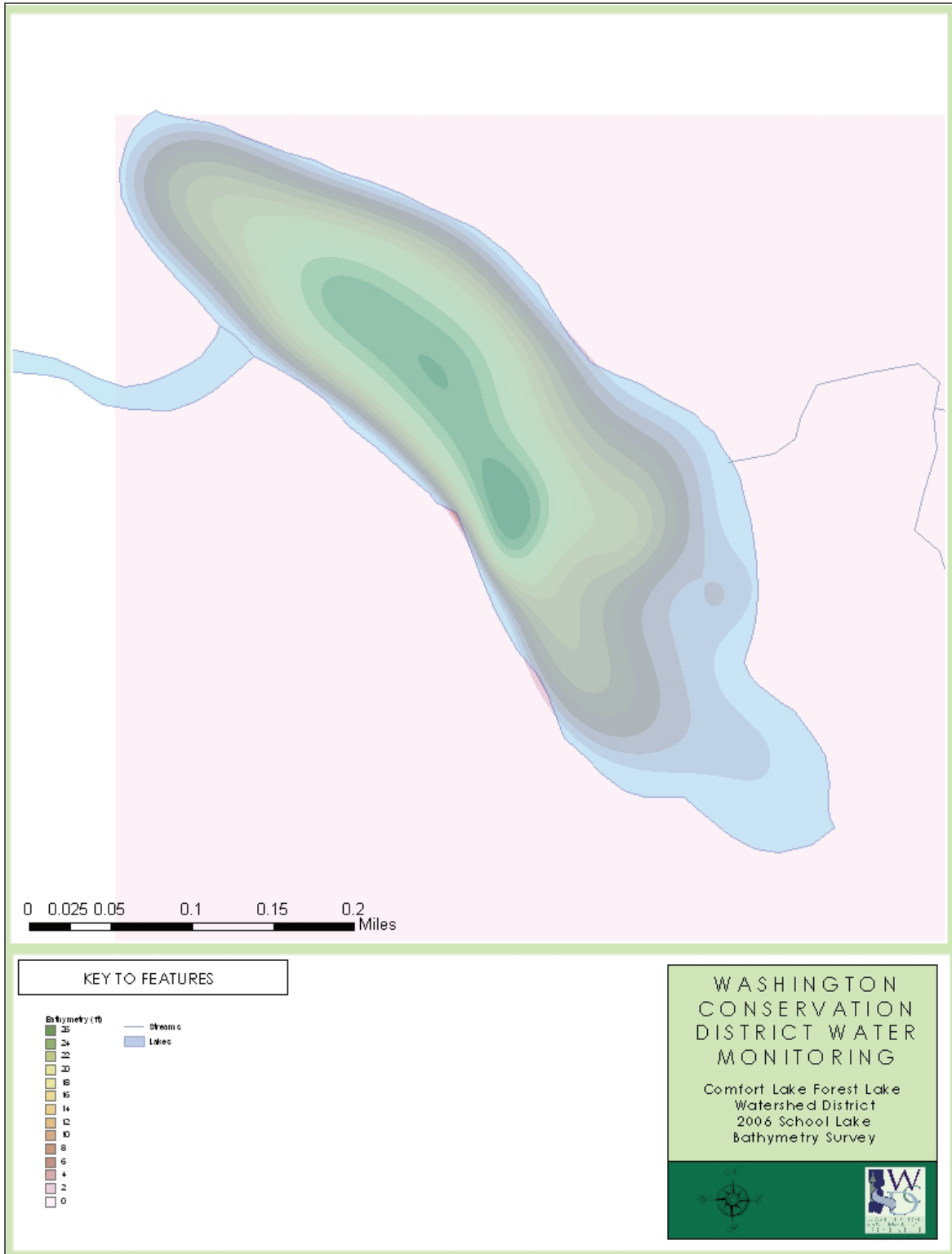
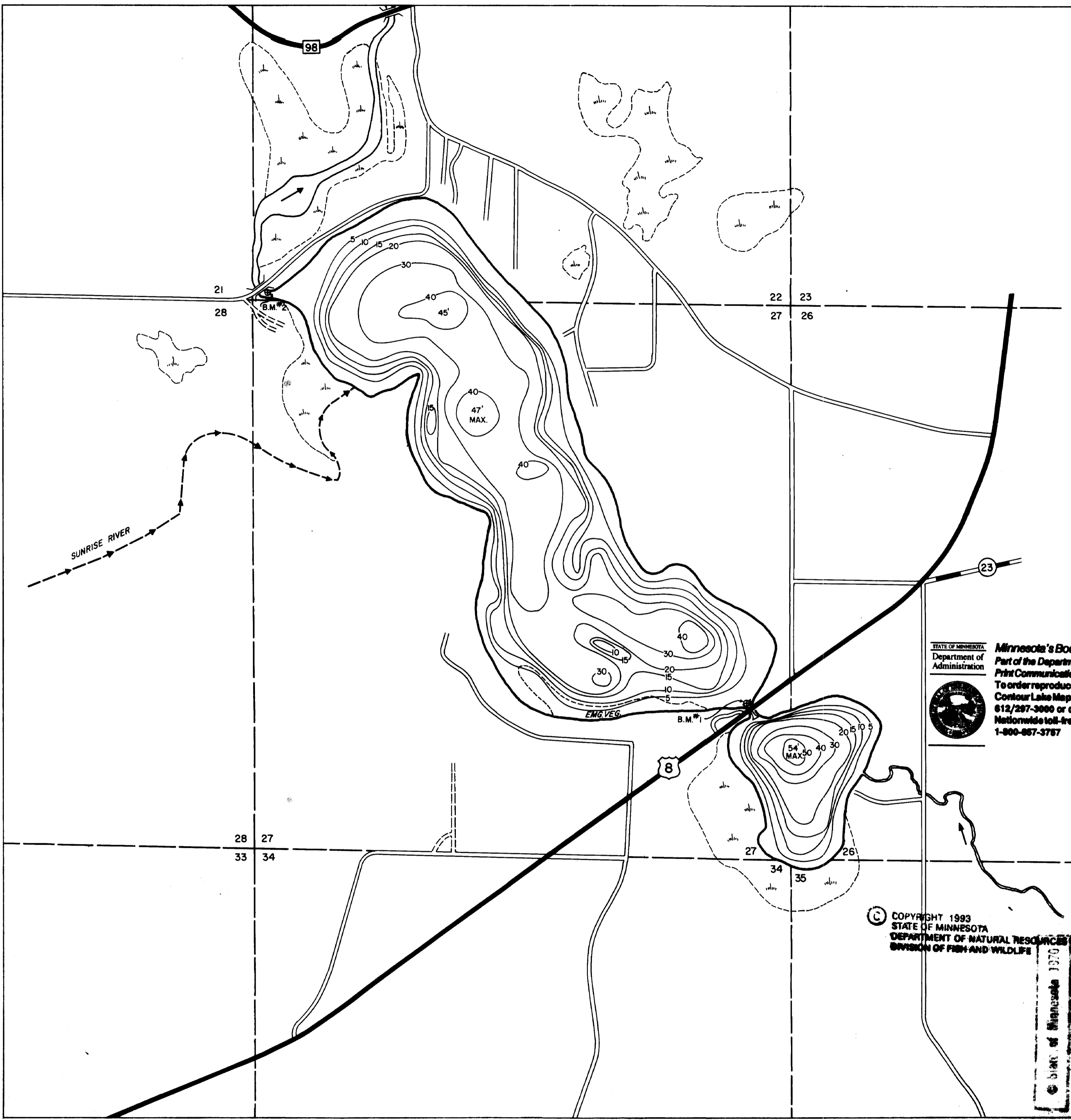


Figure 62. School Lake Bathymetry Survey



LEGEND

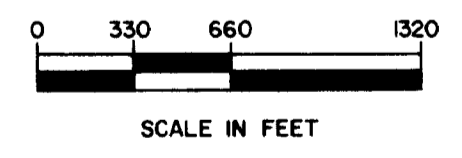
- PAVED ROAD
- BITUMINOUS ROAD
- GRAVEL ROAD
- UNIMPROVED ROAD
- UNITED STATES HIGHWAY
- STATE HIGHWAY
- COUNTY STATE AID HIGHWAY
- BRIDGE
- CULVERT
- STREAM
- DITCH
- MARSH AREA
- EMERGENT VEGETATION

PLANIMETERED ACREAGES 219 ACRES, 36 ACRES
 LITTORAL AREAS 90 ACRES, 16 ACRES
 LENGTH OF SHORELINES 3.1 MILES, 1.0 MILE

B.M.#1 TOP OF NORTH END OF 4' C.M.C. UNDER U.S. 8 AT SOUTHEAST END OF LAKE.
 W.S.ELEV. 0.9' BELOW BENCHMARK

B.M.#2 TOP OF CONCRETE - EAST END, SOUTH SIDE - ON BRIDGE AT NORTHWEST OUTLET.
 W.S.ELEV. 3.5' BELOW BENCHMARK

DRAWN FROM 1965 AERIAL PHOTO *BIS-1FF-250

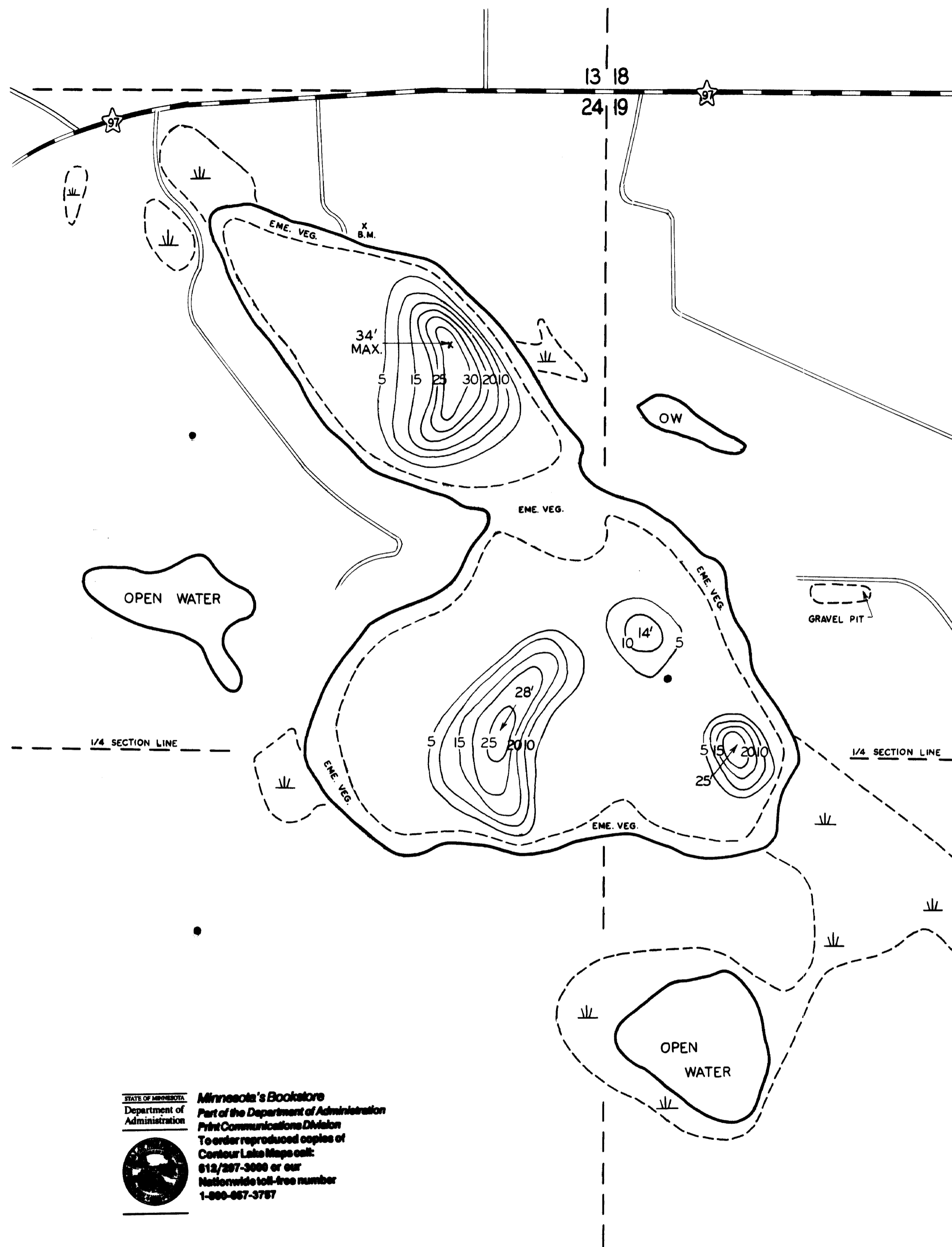


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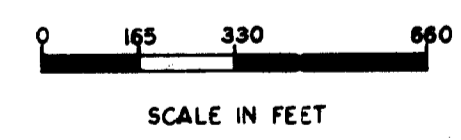
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DIVISION OF GAME AND FISH TECHNICAL SERVICES SECTION		
COMFORT & LITTLE COMFORT LAKES 13-53, 13-54		
COMFORT S. 22, 27	CHISAGO COUNTY T. 33 N. R. 21 W.	LITTLE COMFORT S. 26, 27, 34, 35
FIELDWORK DATE COMFORT J.W.P. E.M.H. 5-14-69 LITTLE J.W.P. R.V.D. 6-30-69	DRAWN BY DATE R.P. Brandon 7-17-70	PROJ. IDENT. NO. F W-1-R-13



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LEGEND

- STATE HIGHWAY SYSTEM
- BITUMINOUS ROAD
- MAINTAINED DIRT ROAD
- MARSH AREA
- PLANIMETERED AREA = 74.5 ACRES
- LITTORAL AREA = 67.0 ACRES
- B.M. = SOUTHEAST TOP CORNER OF CONCRETE STEP ON EDGE OF GARAGE, 60' FROM WATER'S EDGE, BELOW PETERSON'S HOME, NORTHERN SHORE OF THE LAKE.
- W.S. ELEV. = 5.15' BELOW B.M.
- OUTLINE DRAWN FROM 1957 HIGHWAY DEPT. AERIAL PHOTO - IT-36

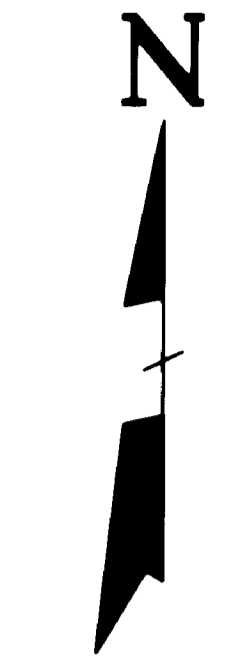
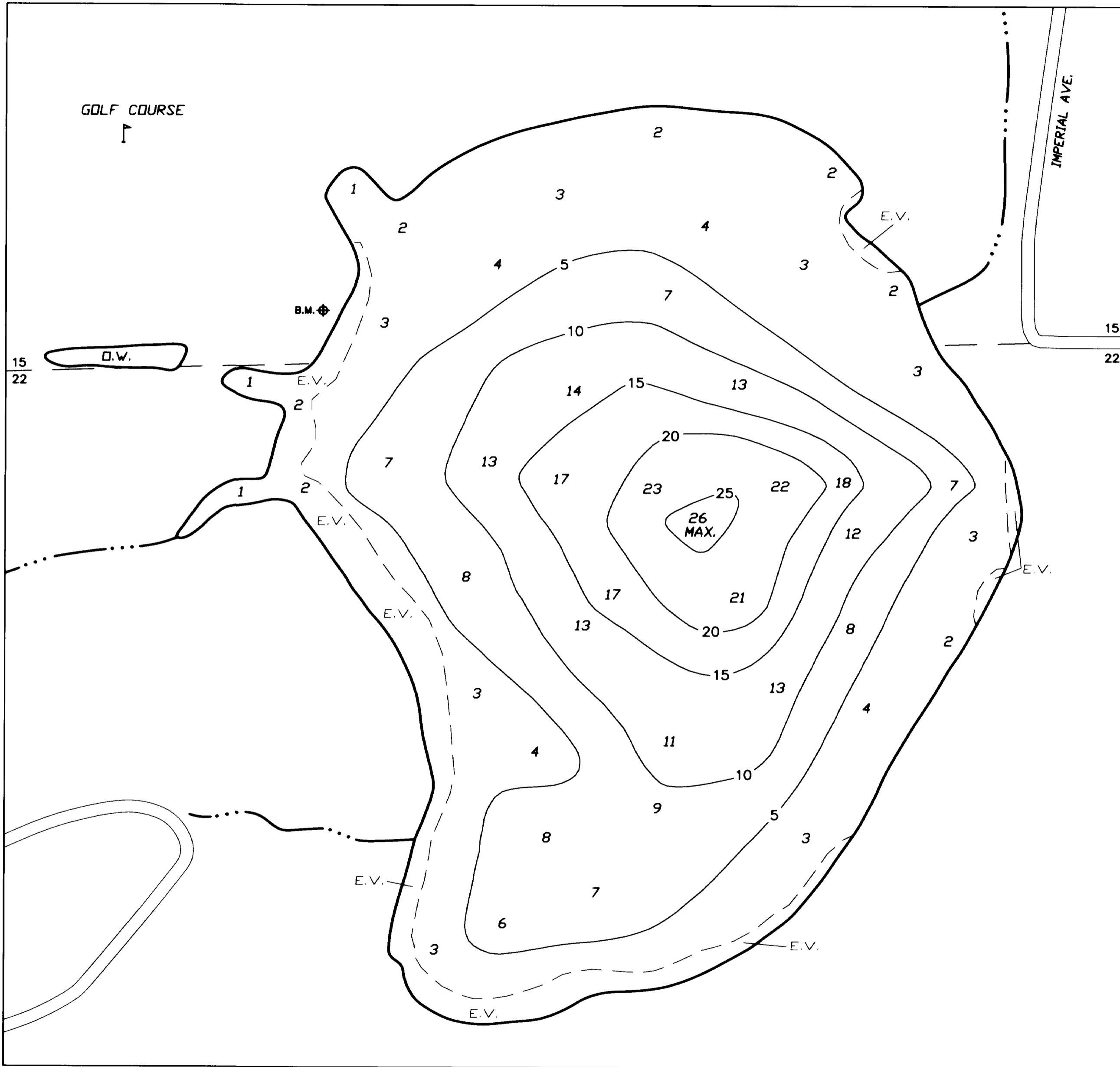


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DIVISION OF GAME AND FISH RESEARCH AND PLANNING SECTION		
SYLVAN (HALFBREED) LAKE 82-80 WASHINGTON COUNTY		
T. 32 N.	R. 20-21 W.	S. 19, 24
FIELDWORK R.W.B. DATE 7-9-82	DRAWN BY R.W.B. DATE 3-7-63	PROJ. IDENT. NO. FW-1-R-7



LEGEND

- OPEN WATER D.W.
- EMERGENT VEGETATION E.V.
- INTERMITTENT STREAM
- BENCHMARK B.M. ⊕
- ROADS
- SECTION LINE
- SECTION NUMBER 22

B.M. - TOP CENTER OF PUMP HOUSE INTAKE PIPE
 COUPLING AT WATER'S EDGE ON NORTHWEST
 SIDE OF LAKE.
 W.S.E.=4.2 FEET BELOW B.M.

NOTE: • ALL DEPTHS MEASURED IN FEET.
 • THIS LAKE HAS NO PUBLIC ACCESS.

LAKE OUTLINE DRAWN FROM 1984 AERIAL
 BLUELINE PHOTO NO. GWX-789.



SCALE IN FEET
 40" = 1 MILE

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COUNTY: WASHINGTON
 D.O.W. NUMBER: 82-0162
 TOWNSHIP: T. 32N.
 RANGE: R. 21W.
 SECTION: S. 15,22

LAKE AREA: 28.7 ACRES
 LITTORAL AREA: 24.8 ACRES(86.4%)
 LAKE VOLUME: 218 ACRE- FEET
 TOTAL SHORELINE (Mi.): 0.9 MILES
 MEAN DEPTH: 7.6 FEET

SHIELDS LAKE

FIELDWORK K.C.,R.R.
 DATE 6/2/90
 DRAWN BY:
 DATE 4/16/97
 PROJ. IDENT. NO.
 FW-6-S-6,14

Map produced by:
 STATE OF MINNESOTA
 Dept. of Natural Resources
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B.M. = CREST OF DAM AT OUTLET W. END OF LAKE.
 W.S. = LEVEL OF CREST
 AREA = 2.251 ACRES (PLANIMETERED)

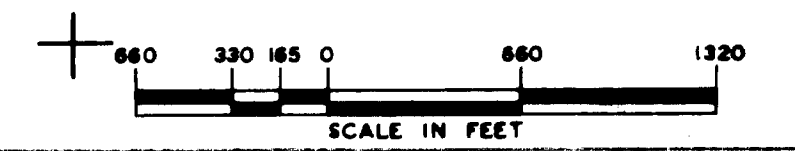
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OUTLINE TRA

AERIAL PHOTO.

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DIVISION OF GAME AND FISH		
RESEARCH AND PLANNING SECTION		
FOREST LAKE		SEC. VAR.
WASHINGTON COUNTY		
TWP. 32 N.	R. 21 W.	
FELDWORX D.G.L.	DRAWN BY D.G.L.	PROJ. IDENT. NO.
DATE 9-2, 4-88	DATE 2-5-88	FW-14-2