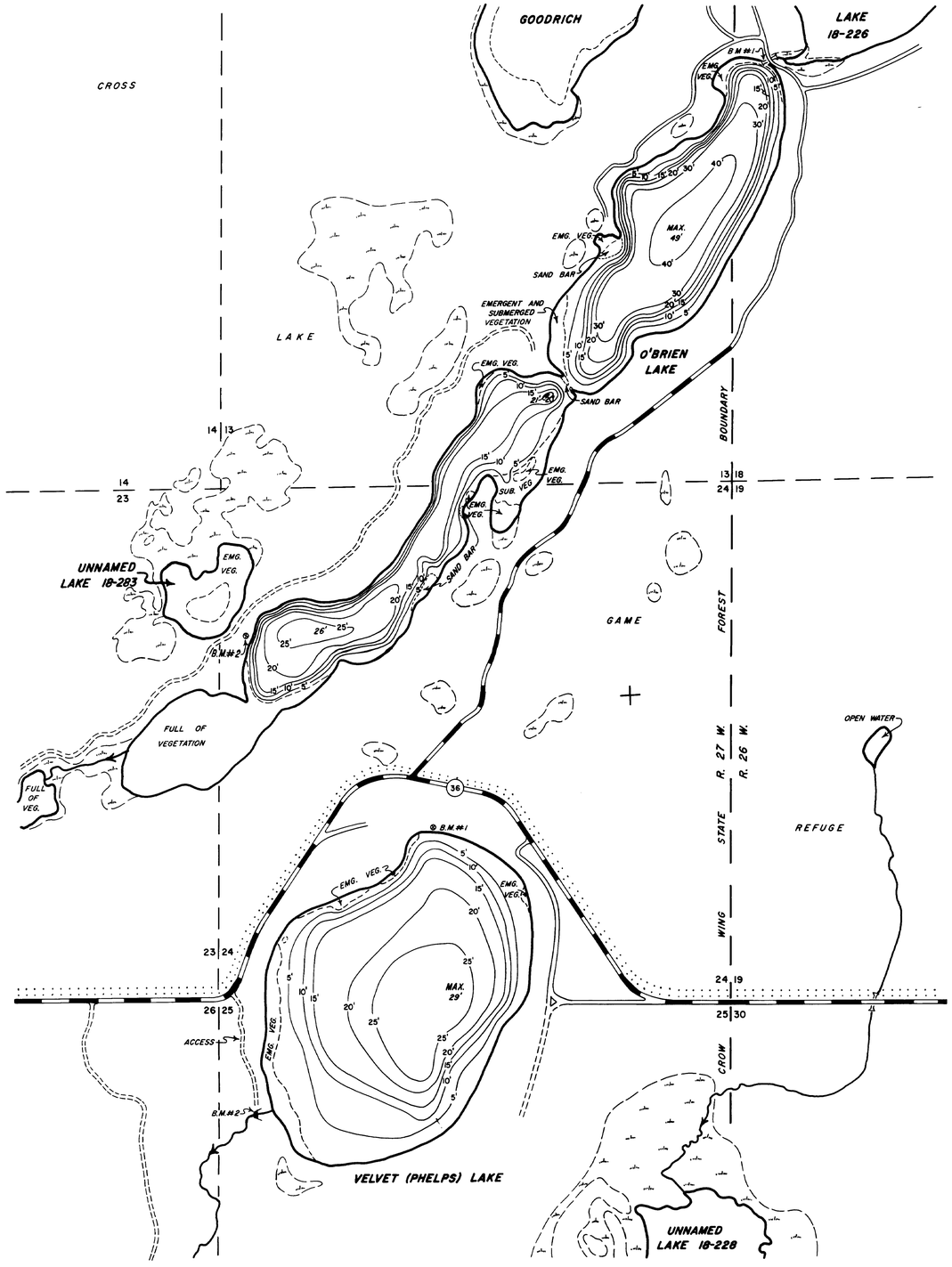

N

LEGEND

BITUMINOUS ROAD
GRAVEL ROAD
UNIMPROVED ROAD
COUNTY STATE AID HIGHWAY (36)
GAME REFUGE BOUNDARY
DAM
CULVERT
MARSH AREA

O'BRIEN LAKE 18-227

PLANIMETERED AREA	=	188 ACRES
LITTORAL AREA	=	104 ACRES
LENGTH OF SHORELINE	=	4.7 MILES

B.M.# 1 = TOP OF WEST END OF 24" C.M.C. AT INLET TO LAKE FROM GOODRICH LAKE.

W.S. ELEV. = 2.1' BELOW B.M.# 1.

B.M.# 2 = SPIKE IN 30" D.B.H. WHITE PINE, 10' FROM WATER'S EDGE AND 600' NORTH OF POINT AT SOUTHWEST END OF LAKE.

W.S. ELEV. = 3.8' BELOW B.M.# 2.

VELVET (PHELPS) LAKE 18-284

PLANIMETERED AREA	=	160 ACRES
LITTORAL AREA	=	81 ACRES
LENGTH OF SHORELINE	=	1.9 MILES

B.M.# 1 = SPIKE IN 13" D.B.H. NORWAY PINE, 5' FROM WATER'S EDGE ON NORTHMOST END OF LAKE.

W.S. ELEV. = 5.4' BELOW B.M.# 1.

B.M.# 2 = WATER GAUGE ON NORTH SIDE OF CONCRETE STOP-LOG DAM AT OUTLET ON SOUTHWEST SIDE OF LAKE.

W.S. ELEV. = READING OF 2.08' ON WATER GAUGE.

OUTLINE DRAWN FROM 1955 AERIAL PHOTOS, CWC-1-130, CWC-2-16.

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DIVISION OF FISH AND WILDLIFE

STATE OF MINNESOTA
DEPARTMENT OF CONSERVATION

DIVISION OF GAME AND FISH
TECHNICAL SERVICES SECTION

O'BRIEN AND VELVET LAKES

CROW WING COUNTY

T. 137 N. R. 26-27 W. S. 18;13,23,24,25.

FIELDWORK	E.V.H.	DRAWN BY	E.V.H.	PROJ. IDENT. NO.
DATE	6-27-67	DATE	11-27,28-67	FW-1-R-12

B-0361