

SURVEY MAP

SECTIONS 30 & 31, T30N, R08E

ALPENA SW TOWNSHIP, ALPENA CO., MI

SURVEY REPORT

PURPOSE: THIS SURVEY WAS EXECUTED FOR THE PURPOSE OF DELINEATING THE BOUNDARY OF CERTAIN STATE-OWNED LANDS, FOR USE BY FOREST, MINERAL AND FIRE MANAGEMENT DIVISION IN THE PROPER ADMINISTRATION OF SAID LANDS.

SURVEY NOTES: BEARING BASIS OF THIS SURVEY PROJ. IS MICHIGAN STATE PLANE COORDINATES-CENTRAL ZONE-DATUM NAD 83 (GCRS). TWO LOCAL GPS BASE STATIONS WITH NGS "OPUS" SOLUTIONS WERE ESTABLISHED IN THE PROJECT AREA. THESE BASE STATIONS ALONG WITH CONTINUOUSLY OPERATING REFERENCE STATIONS (GCRS) "MIL" (GRAYLING), "MID" (MIDLAND), "MHL" (HIGHTON LAKE) AND "MID" (WEST BRANCH) WERE USED AND FIXED FOR COORDINATE CONTROL IN THIS PROJECT. SURVEY FIELD WORK WAS PERFORMED WITH TRIMBLE R8 AND 4400 GPS RECEIVERS AND "Nikon DTM 522" TOTAL STATION. FAST STATIC AND REAL-TIME KINEMATIC GLOBAL POSITIONING SYSTEM (GPS) TECHNIQUES WERE COMBINED WITH CONVENTIONAL SURVEY METHODS TO TIE OR SET THE MONUMENTS ON THIS SURVEY.

UNLESS OTHERWISE NOTED, DNR & DDC MONUMENTS CONSIST OF A FOUR-INCH ALUMINUM CAP ON A 1" x 36" GALVANIZED IRON PIPE.

ACM = ALPENA CO. REMONUMENTATION MONUMENT BEING A 3" DIA. ALUMINUM CAP ON A IRON ROD.

ALL MEASUREMENTS ARE IN INTERNATIONAL GRID FEET AND DECIMALS THEREOF. ALL RECORDED MEASUREMENTS ARE IN FEET AND DECIMALS THEREOF.

CERTIFICATION

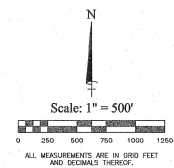
I HEREBY CERTIFY THAT THE MAP DELINEATED HEREON IS A TRUE REPRESENTATION OF THE FINDINGS OF THIS SURVEY, AND THAT THE MONUMENTS FOUND OR ESTABLISHED AND MEASUREMENTS MADE ARE AS SHOWN HEREON.

Carl T. Kiiskila
CARL T. KIISKILA, P.S. #33981

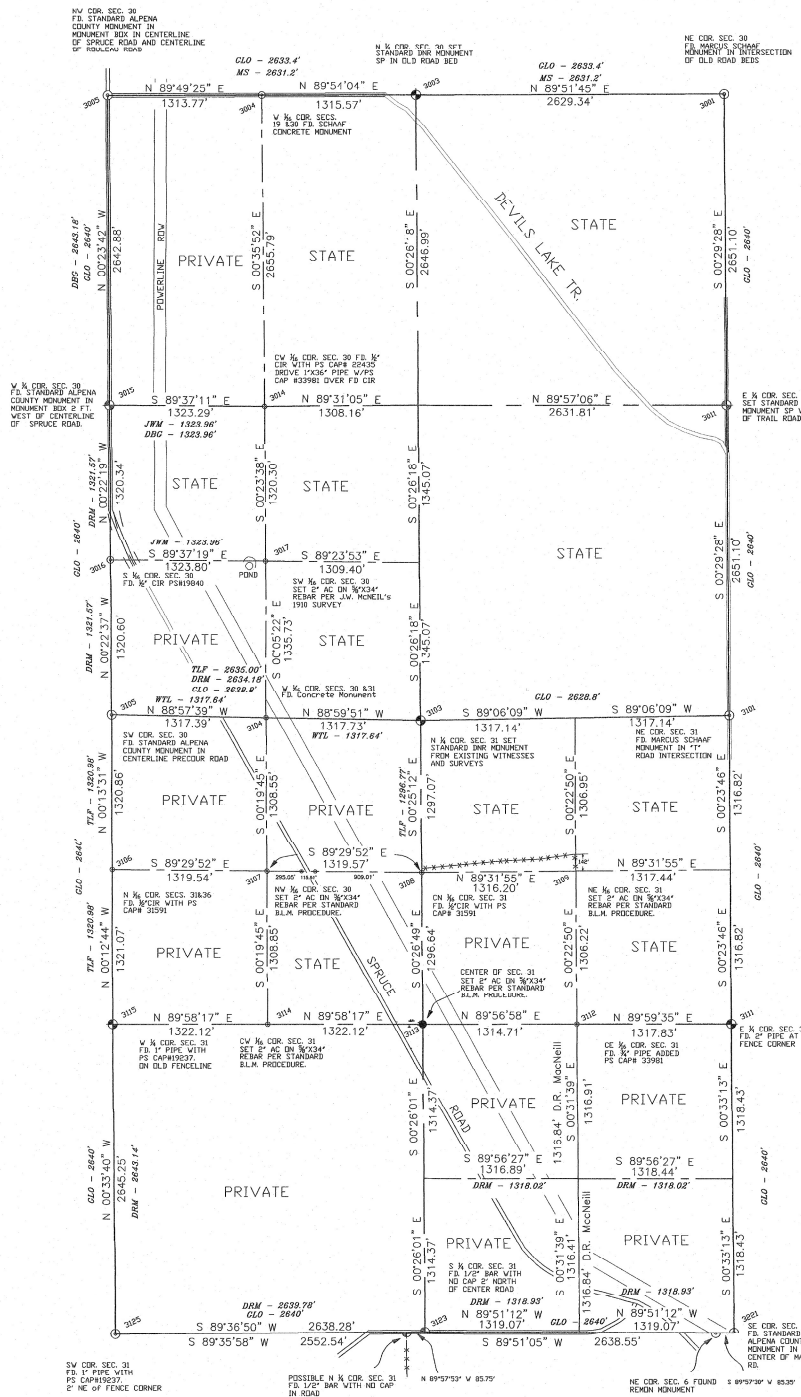
MICHIGAN STATE PLANE COORDINATES CENTRAL
ZONE-NAD83(2011) - UNITS ARE IN
INTERNATIONAL GRID FEET

POINT#	NORTHING	EASTING
3001	605956.69	19907838.30
3002	605950.38	19905208.96
3003	605948.12	19903893.48
3004	605944.07	19902784.63
3005	605930.69	19901861.03
3006	605926.47	19900928.11
3007	605922.56	19900000.85
3008	605918.94	19899066.41
3009	605915.21	19898138.10
3010	605911.49	19897209.76
3011	605907.77	19896281.42
3012	605904.05	19895353.08
3013	605900.33	19894424.74
3014	605896.61	19893496.40
3015	605892.89	19892568.06
3016	605889.17	19891639.72
3017	605885.45	19890711.38
3018	605881.73	19889783.04
3019	605878.01	19888854.70
3020	605874.29	19887926.36
3021	605870.57	19887000.02
3022	605866.85	19886073.68
3023	605863.13	19885147.34
3024	605859.41	19884221.00
3025	605855.69	19883294.66
3026	605851.97	19882368.32
3027	605848.25	19881441.98
3028	605844.53	19880515.64
3029	605840.81	19879589.30
3030	605837.09	19878662.96
3031	605833.37	19877736.62
3032	605829.65	19876810.28
3033	605825.93	19875883.94
3034	605822.21	19874957.60
3035	605818.49	19874031.26
3036	605814.77	19873104.92
3037	605811.05	19872178.58
3038	605807.33	19871252.24
3039	605803.61	19870325.90
3040	605799.89	19869399.56
3041	605796.17	19868473.22
3042	605792.45	19867546.88
3043	605788.73	19866620.54
3044	605785.01	19865694.20
3045	605781.29	19864767.86
3046	605777.57	19863841.52
3047	605773.85	19862915.18
3048	605770.13	19861988.84
3049	605766.41	19861062.50
3050	605762.69	19860136.16

CONVERSION FACTOR: 0.99999999



6-17-19



LEGEND

- DCP = Orange Carsonite Post
BCP = Blue Carsonite Post
LT = Location Tag
2" AC = 2" Aluminum Cap on 3/4" X 3/4" rebar
CIR = Capped Iron Rod
CIP = Capped Iron Pipe
M = Measured - Ground Distance
C = Calculated
D = Description
X-X-X = Fence or Fence remains
SP = Single Proportion to GLD
DP = Double Proportion to GLD
— = Paved Co. Rd.
--- = Gravel Co. Rd.
- - - = 2-Track Trail Rd.

GLD = GENERAL LAND OFFICE
MNR = MI. DEPT. OF NATURAL RESOURCES
GDM = GEORGE D. HENNING-PS# 2240
TLF = THOMAS L. FABIS-PS#31591
DRM = DUANE R. MACNEILL-PS#19237
VTL = WAYNE T. LEVINS - PS#41922
MS = MARCUS SCHAFF - PS#3104
DBG = DAVID B. GUTHRIE - PS#22435
JWM = JOSEPH V. McNEIL CO. SURVEYOR

○ = Section Corner
● = 1/4 Corner
● = Center of Section
○ = 1/16 or Misc. Corner
* = Corner not recorded this survey.

Location of roads, trails, rivers etc. are approximate only from 2010 FlashEarth Imagery and field ties.

SHEET: 1 of 1

MICHIGAN

DEPARTMENT OF NATURAL RESOURCES

FOREST RESOURCES DIVISION - SURVEY SECTION

TYPE OF SURVEY AND LOCATION: BOUNDARY AND RETRACEMENT

SURVEY FOR SECTIONS 30 & 31, T30N, R08E, ALPENA SE. TOWNSHIP,

ALPENA COUNTY, MICHIGAN

DIVISION: FOREST RESOURCES SURVEY PROJ. NO.: FM-1715

SURVEY BY: CARL T. KIISKILA P.S.#33981 DATE: OCTOBER 2015

FIELD WORK BY: CARL KIISKILA DATE: Fall 2015

DRAWN BY: CARL KIISKILA DATE: DECEMBER 2015

CAD FILE: P:\OPM\SURVEY\DATA\PROJ\CTS\2015\FM1715.dwg\FM1715.dwg