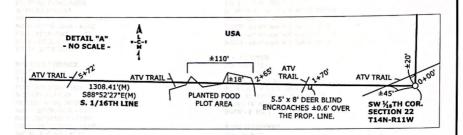


### **CERTIFICATE OF SURVEY**



#### SURVEYORS LEGEND

(G.L.O.) = Subdivision Lines - James Mullett (1837)

(WJ) = William Jacques (undated)

(LS) = Lyle Shepherd (1920's - 1930's)

(JP & RG) = Jack Pierson & Robert Griffin (1977)

(RG) = Robert Griffin (1977) (JP) Jack Pierson (1980)

(GH) = Glen Hackbardt (1984)

(NO) = Norm Ochs (2000,2003)

(JK) = James Keller (2004) (JD) = John Doornbos (2001)

### LEGAL DESCRIPTION OF THE UNITED STATES GOVERNMENT LAND:

The South ½ of the Northeast ¼ AND the North ½ of the Southeast ¼ AND the Northwest ¼ of the Southwest ¼ AND the Northwest 1/4, Section 22, T14N-R11W, Twp. of Goodwell, Newaygo County, Michigan.

The shown measured distances are in NAD 83 Michigan Central Zone State Plane Grid in international feet. The conversion to ground distance is performed by the formula:

> GRID DISTANCE = GROUND DISTANCE

COMBINED GRID FACTOR

The COMBINED FACTOR used for this project was = 1.000148704, which is an average combined factor between the NE Corner of Section 22 and the SW Corner of Section 26. Conversion from international feet to meters is 1 FOOT = 0.3048 METERS.

NOTES: We are reporting the coordinates for this project in MICHIGAN CENTRAL GRID, although our location is in MICHIGAN SOUTH GRID, therefore the difference between GRID and GROUND distances are larger than normal.

The STATE PLANE COORDINATES for this project were established using the MICHIGAN CORS NETWORK - NAD 83 (CORS 1996).

OF MICHIG I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF DAID DESCRIBED, THAT SA SURVEY WAS PERFORMED WITH A FIELD ERROR OF DENGLOSURE OF N 5000 OR GREATER, AND THAT I HAVE FULLY COMPUED WITH WHITE EQUIREMENTS OF ACT #132, PROFESSION. DESCRIBED, THAT SAID GREATER", AND THAT I HAVE FULLY COMPUED P.A. 1970.

SURVEYOR McCrimmon, P.S. No. 4796262 1118 Christopher Dated: 2011

DATE 12723 /2010



CLIENT: USFS DRN BY: FTW PART OF SECTION 22, T14N-R11W, GOODWELL TOWNSHIP, CHD BY: WES/CJM NEWAYGO COUNTY, MICHIGAN

SEE FILE IOR NO.: 10035

FB/PG:

### CERTIFICATE OF SURVEY

S.E. CORNER **SECTION 22** T14N-R11W FD. 5" SQ. CONC. MON. WITH BRASS CAP, N05E - 4" SQ. PINE POST - 31.87 N06E - 11" W. OAK - 46.02" S38E - 13" R. OAK - 40.32 S54W - 10" R. OAK - 67.98 N70W - 21" R. OAK - 51.43

SOUTH 1/4 CORNER SECTION 22 T14N-R11W FD. 5" SQ. CONC. MON. WITH BRASS CAP NORTH - 4" SQ. POST - 1.15" N45E - 26" W. OAK - 42.83" S60E - 16" MAPLE - 57.90 S20W - 16" W. OAK - 11.60 N02W - P. POLE - 50.81

S.W. CORNER **SECTION 22** T14N-R11W FD. 5" SQ. CONC. MON. WITH BRASS CAP. N52E - P. POLE - 60.11' S29E - 5" MAPLE - 41.18' SOE - 12" MAPLE - 53.30 N68W - 12" TW. MAPLE - 16.84"

WEST 1/4 CORNER SECTION 22 T14N-R11W FD. HARRISON MON N37E - P. POLE - 54.12 S40E - 10" MAPLE - 55.40 N72W - 18" TW. W. OAK - 51.70' N36W - 20" OAK - 63.67'

N.W. CORNER SECTION 22 T14N-R11W FD. HARRISON MON. N46E - 10" SCOTCH PINE - 63.82" EAST - I&C #:47962 - 33.00 S31W - 14" MAPLE - 143.50' S50W - 24" W. OAK - 113.42' N44W - P. POLE - 71.90

Corner 12; The C-S 1/16th Corner of Section 22, T14N-R11W Set a ½" iron and cap at a proportionate position.

N54E - fd. dock spike in NW face of 10" Maple - 35.17'

S64W - set 60d nail in NW face of 6" Maple - 34.12' N27W - set 60d nail in SW face of 5" Maple - 36.54' S71E - 1/2" I&C, P.S.#: 24624 - 1.98' North - Carsonite Post - 1

Corner 11; The S.W. 1/16th Corner of Section 22, T14N-R11W Set a ½" iron and cap at a proportionate position.

N04E - set 60d nail in W face of 14" Maple - 62.57

S45E - set 60d nail in SW face of 6" W. Oak - 35.24 N53W - set 60d nail in NE face of 14" R. Oak - 46.66 North - Carsonite Post - 1'

NORTH 1/4 CORNER **SECTION 22** T14N-R11W FD. 1 1/2" PIPE, ADDED 1/2" IRON & CAP, P.S. #: 47962 INSIDE PIPE. S74W - set 60d nail in N face of 6" W. Oak - 246.12' N88W - set 60d nail in S face of 10" R. Oak - 194.96' N75W - set 60d nail in S face of 6" R. Oak - 188.68' N53W - set 60d nail in S face of 10" W. Oak - 162.56

N.E. CORNER SECTION 22 T14N-R11W FD. HARRISON MON. N52E - 10" MAPLE - 65.52 S24E - 11"-14" TW. R. OAK - 70.23' S48W - 14" MAPLE - 81.94" N48W - P. POLE - 46.40

EAST 1/4 CORNER SECTION 22 T14N-R11W FD. HARRISON MON. N30E - 17" W. OAK - 13.15 N70E - 4" IRONWOOD - 18.80' S05W - 14" W. OAK - 18.65 N88W - 12" MAPLE - 22.74

Corner 5; The C-N 1/16th Corner of Section 22, T14N-R11W Set a '4" iron and cap at a proportionate position. N17E - set 60d nail in E face of 5" Maple - 33.03' N83E - set 60d nail in SE face of 8" B. Oak - 45.42" N56W - set 60d nail in SW face of 4" Beech - 41.77 North - Carsonite Post - 1

Corner 7; The N. 1/16th Corner on the East Line of Section 22, T14N-R11W Set a 'A' iron and cap at a proportionate position.

S81E - set 60d nail in S face of 12" Tw. R. Oak - 47.96'

S54W - set 60d nail in NW face of 14" R. Oak - 61.73' N37W - set 60d nail in SW face of 12" W. Oak - 70.99' West - Carsonite Post - 34' West - I&C #:47962 - 33.00

Corner 8; The C-W 1/16th Corner of Section 22, T14N-R11W Set a ½" iron and cap at a proportionate position. N80E - set 60d nail in S face of 12" W. Oak - 51.64' S36W - set 60d nail in NW face of 7" Maple - 61.02' N50W - set 60d nail in N face of 12" Tw. Maple - 55.29'

Corner 10; The S. 1/16th on the West Line of Section 22, T14N-R11W Set a 1/4" iron and cap at a proportionate position. N73E - set 60d nail in N face of 8" Maple - 45.45 S54E - set 60d nail in SW face of 8" W. Oak - 48.62" N39W - set 60d nail in NE face of 20" W. Oak - 66.25" East - Carsonite Post - 34 East - I&C #:47962 - 33.00

H-8; The Center 1/4 Corner of Section 22, T14N-R11W Set a ½" iron and cap at intersection of ¼ lines. S46E - set 60d nail in SW face of 9" W. Oak - 51.95' S51W - set 60d nail in SE face of 12" Maple - 46.79 N39W - set 60d nail in NE face of 10" Maple - 65.77 N03W - set 60d nail in E face of 7" Maple - 46.47" West - Carsonite Post - 1'

I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF LAND DESCRIBED, THAT SAID SURVEY WAS PERFORMED WITH A FIELD ERROR OF CLOSURE "OF 1 IN 5000 OR GREATER", AND THAT I HAVE FULLY COMPLIED WITH THE REQUIREMENTS OF ACT #132, P.A. 1970.

Unh

OF MICHIQ CHRISTOPHER J ROFESSIONA SURVEYOR 47962 POFESSION

2011

**Surveying &** 

Christopher J. McCrimmon, P.S. No. 47962

DATE:12/23/2010

Dated: .

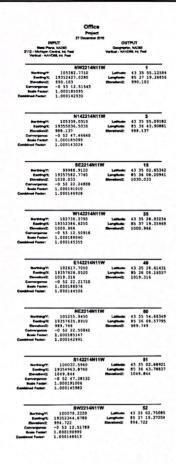
CLIENT: USFS

DRN BY: FTW CHD BY: WES/CJM SHEET 3 OF 4

PART OF SECTION 22, T14N-R11W, GOODWELL TOWNSHIP, NEWAYGO COUNTY, MICHIGAN

FB/PG: SEE FILE IOB NO.: 10035

### **CERTIFICATE OF SURVEY**



	\$ 1/16T	н	90
Northing?: Executive?: Executive?: Convergence: Scale Factor: Combined Factor:	101303.3610 19357604.6510 1024.499 -0 52 22.23031 1.000185541 1.000145723	Latitude Langitude Elevelon(2)	43 35 15.6344 85 36 08.1842 1024.499
Herthing/I: Emiling/I: Elevation/I: Corresponde Scale Factor; Combined Faster;	H814N11W 102674.1780 19355000.0280 1000.0280 -0 52 47.42368 1.000188058 1.000145415	Lettude Lengthde Bergtoniz	3000 43 35 28.7752 85 36 43.8483 1000.000
	N 1/16TH - E	LINE	3002
Nerthing?: Exection/2: Execution/2: Companyment Books Factor: Combined Factor:	103936.8250 19357630.9720 1004.533 -0 52 22.36274 1.000186610 1.000143747	Lathada Langituda Develien 2	43 35 41.6388 85 36 08.3717 1004.533
Northing/F: Easting/X: Elevation/X: Convergence Scale Factor: Combined Factor:	C-8 1//6TH 101353.3670 19354981.9520 1000.000 -0 52 47.40250 1.000189530 1.000146888	Letholic Langitule: Blavellan/2	3003 43 35 15.7322 85 36 43.8183 1000.000
Horthing/Y: Earting/X: Elevation/Z: Convergence: Scale Factor: Combined Factor:	C-W 1/18TH 102702.2790 1933693.3260 1000.000 -0 52 59.96642 1.000185049 1.000145408	Lettude Langflude Bevellon/2	3004 43 35 28.8542 85 37 01.6040 1000.000
100	S 1/16TH - W.	LINE	3006
Herbing*: Easting*: Elevation/2: Convergence: Scale Feder: Combined Feder:	101404.8000 19352365.6520 997.844 -0 53 12.51352 1.000189518 1.000146982	Ladude Langitude Elevation/2	43 35 15.8415 85 37 19.3658 997.844
Northing/T: Emiling/X: Elevation/Z: Convergence Book Footer: Combined Footer:	C-N 1/16TH 104006.6350 1935018.2660 1000.000 -0 52 47.44503 1.000186576 1.000143934	Lathuda: Langituda: Elevation/2:	3007 43 35 41.9335 85 36 43.6785 1000.000
Horthing?; Easting?: Bevarien?;	SW 1/16TH 101379.0930 19353673.8040 1000.000 -0 52 59.95799	Latitude: Langitude: EnvelonZ:	3008 43 35 15.78730 85 37 01.59200 1000.000



I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF LAND DESCRIBED, THAT SAID SURVEY WAS PERFORMED WITH A FIELD ERROR OF CLOSURE "OF 1 IN 5000 OR GREATER", AND THAT I HAVE FULLY COMPLIED WITH THE REQUIREMENTS OF ACT #132, P.A. 1970.

Christopher J. McCrimmon, P.S. No. 47962

CLIENT: USFS

Dated: .

DATE:12/23/2010

DRN BY: FTW

CHD BY: WES/CJM

SHEET 4 OF 4

PART OF SECTION 22, T14N-R11W, GOODWELL TOWNSHIP, NEWAYGO COUNTY, MICHIGAN

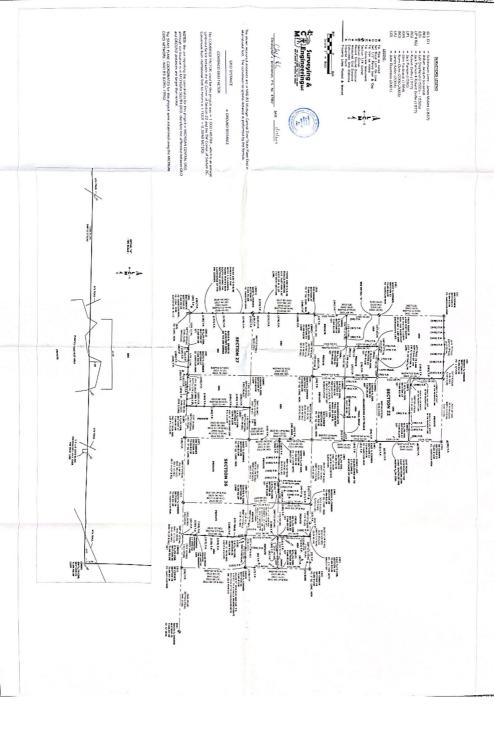
1/18

FB/PG: SEE FILE JOB NO.: 10035

Surveying & Engineering.u.c PPI, 231-743-3000 Fax: 231-743-3001 PPI, 231-743-3000 Fax: 231-743-3001 225 E. MAIN ST. MARION, MI 49665

Scanned with CamScanner

2011



## SUBMITTAL 3160.5 - REPORT OF SURVEY

### CONFLICTS AND ENCROACHMENTS

#### Section 22

There are some minor encroachments in this section along the S. 1/16<sup>th</sup> Line in the West ½ of said section. The private land owner to the South has some quad trails that he is using for access to USA Property. The private land owner has planted a wildlife food plot and also erected an elevated hunting blind that encroaches over the property line. When we went back to post this part of the project our lath had been moved +/- 200-300' North of the property line. We remarked and posted the property line and as of early December the land owner hadn't moved any carsonites along the West end of this line.

There are some other trails within this section that cross from private to USA property that people are using for access which run over and across USA

I found an iron and cap by Lakestate Surveyors at the C-S 1/16th Corner. The found iron was 1.98 feet out of position and was not honored for this survey.

#### Section 26

There aren't any structural encroachments within this section. There are some trail roads and drives which people are using for access to their property which run over and across USA Property. These trails will be shown on the control diagram and Certificate of Survey.

I re-established the East ¼ Corner at a single proportionate position as was

intended by Jack Pierson and prepared a new LCRC.

There is a small wood pile and some N-S fence remnants along the East 1/16th line in the SE 1/4 that encroach over the line. I'm not sure what happens to the fence, I tried finding more remnants of the fence further down the line but was unable to locate any. This fence might just have been for a pasture.

John Doornbos performed a survey in the West ½ of said section and monumented the North 1/16th Line. It appears our line is +/- 4.2' North of the line as monumented by Mr. Doornbos. When comparing section information it appears we should agree much closer than the 4.2'. I've contacted Mr. Doornbos to see if he might be using some different control corners but I have not heard from him. I posted the property line to our computed position.

#### Section 27

The West 1/4 Corner of this section was repositioned to be 33' East of the Fd. Harrison Monument to be consistent with found N-S R/W fence occupation. The Harrison Monument has already been moved and witnessed by Newaygo Engineering and Survey, Inc. I'm showing their witnesses on the Certificate of Survey.

There are fence remnants along the South Section Line. The fence was used to establish the South 1/4 Corner and was +/-3.5' South of line at the W. 1/16th Corner. The fence was mostly down and could be seen growing in trees and

found with a magnetic locator.

Certifi	rate	of 2, TI4N R	Su.	rupy 160 co.	Liber_		_,Page	
I hereby certify to land in accordant of points estable where the total Bearings: U.S.F.	hat I have ce with Act lished does lenath of	surveyed of 132, P.A. not exc	and mappe . 1970. Ar	d the foliond that the	•1101 111	or	0.15 ft.	
Bearings Co.S.	1			GEND MARKERS SET		TIAN RI	OR. SEC. 22 IW Q 55°W 18. 19' 189°E 55.91' 2°W 18. 61'	
							1314.52"	
		59' 36" E		2622.58(1	)	V21°28'54" 41.08:	POB."G"	SEC. LINE
359.80	340.00	340.20	340.40	340.60	340.80	262.77	318.02	wi
M	(1), 51 · 61 £1	"C" (10.30c.)	(1035.34 " Q " (1) 1317.53 (1)	1284.53 (1) 0.07	1283.72' (1072 - 1073) (1073)	(5.3 ac.) N89° 51'00	233.0 23.04(2) 3.04(2)	11"W 1314.52(1)
NO0 17' 36" W	NOO 17'57" W	NOº 17' 58" W	3.00 E	.00. W. 62 17 59 "W	12 ,000, N	S N9°56'39 166.03	₩ V6.55 œ.	,60 00N ,OX
339.80	340.00	340.20	340.40' POB."0"	340.60	340.80	329.52	247.80	1
S. 1/4 COR SEC. 22	ROB.'B" (A	189° 51'25"E :*	S. SEC	/	619.20'(1)	ŘOB.*F*	RÖB"H"   SE.C. TI4N	OR SEC
T14N RIIW 4" R.Ook N40°E 54.8 4" Maple S60°E 57.90 7" W.Ook S20°W II.5	,						8"W.Oak N2°E 8"ROak S36° 6"R.Oak S52°	45.85
ROBERT L. WE JAN.5 . 1980	THERELL	R.L.S. 24	624		· hr	1	) (	800
SURVEYED BY:		SURVEYE	D FOR		FIELD		COMP:	
LAKESTATE SUR. 760 MICHIGAN AV	E.	EARL SMITH 2409 W. JORDAN			DRWG:	10-	CHKD:	EET
BALDWIN, MICHIGAN 49304		MT. PLEASANT, M. 48858			FILE I		43.80	

# LAND CORNER RECORDATION CERTIFICATE Filing Requirement of Act 74, Mich. P.A. 1970

For corners in

Newaygo (County)	Located In: Corner Code	e#							
in Section S_2 3. Miscellaneous S_	TR			R	egister	of Deed	s Stamp	& FII	
Property in Sec. S_	_ TR	-		N	lumber		9.81		
4. Lot No, Recorded Plat									
5. Private Claims			1 _	вс	D :	FG	н 1	J	R L H
			2	6-	_ 5_		-1-	_ 2_	+ 12-
I, <u>Christopher J. McCrimmon</u> , in a that under requirements of P.A. 74, Mid			4	7	_8_	_9_	_ 10	_11	12
above were in conformance with regula	ations and rules therefore as required	in the current manual of	5	+	+		+	+	+
survey instructions of the United States decree of a Court of Law and /or that			7	18	-17	16	- 15	-i+-	12
conformance with the rules of the Michi	igan Board of Land Surveyors or by a D	Decree of a Court of Law;	8		_20_	-21	22	-23-	24
established, re-established, monument	ed, recovered, found as expressed bel	low:	9	1		$\perp$	+		++
	all in the same town and range, ma	y be recorded on this	10_	30	-29	28	-27	-26-	-25
certificate.			11	!	12			1	
			13	31		33	34	35	36
A. Description of original monumer		ent restoration:							
Corner 5; The C-N 1/16th Corner	of Section 22, T14N-R11W								
- I didn't find any previous history	for this corner position.								
Corner 7; The N. 1/16th Corner of	n the East Line of Section 22, T1	4N-R11W							
- I didn't find any previous history	for this corner position.								
B. Description of corner evidence f	ound and/or method applied in rest	oring or reestablishing co	rner:						
Corner 5; The C-N 1/16 <sup>th</sup> Corner I didn't find any evidence of a corne the ground at a proportionate position North which is N66E, +/- 70° from property line fence.	er at this position while searching v on and accepted it as the position o	of the corner. There are s	ome f	ence	remain	s for a f	ence go	oing I	East and
Corner 7; The N. 1/16 <sup>th</sup> Corner of I didn't find any evidence of a corne +/- 10" below the dirt road surface of the physical centerline of Cottons	er at this position while searching vat a proportionate position and account	with a magnetic locator. I	set a	'A" ir	on and This o	cap, P.:	S. #479 approx	62 ximat	ely 2' E
C. Description of monument for cor	ner and accessories established to	perpetuate locating the po	sition	of th	e come	er:			
Corner 5; The C-N 1/16 <sup>th</sup> Corner Set a ½" iron and cap at a proportio N17E – set 60d nail in E face of 5" N83E – set 60d nail in SE face of 8' N56W – set 60d nail in SW face of North - Carsonite Post – 1'	nate position. Maple – 33.03' "B. Oak – 45.42'	Corner 7; The N. 1/16 East Line of Section 2 Set a ½" iron and cap a S81E - set 60d nail in S S54W - set 60d nail in N N37W - set 60d nail in N West - I&C #: 47962 - West - Carsonite Post -	t a pro face NW f SW f	4N-R oportion of 12 ace of	11W onate p "Tw. l f 14" R	R. Oak Oak –	- 47.96 61.73		
Signed by Clty	hh. OF MICHIGA	Date		1/19	8 2011				
Surveyor's Michigan License No. 4796	CHRISTOPHER I	1							
	MACRIMANIAM APRIL	ROVED BY MICHIGAN STATE BO	DARD O	F PRO	FESSION	AL SURVI	REVISED	ED JAN	i, 1971 4,1975 I., 1983 Г., 1995