

### A. GENERAL OBSERVATIONS; STATUTORY PROVISIONS Wis Stat Sec 59.73(2) Subdividing sections. Whenever a surveyor is requi

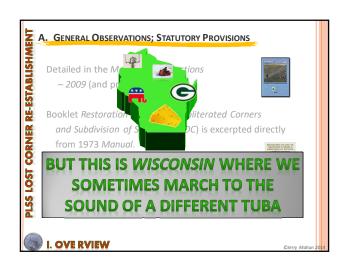
Subdividing sections. Whenever a surveyor is required to subdivide a Section or smaller subdivision of land established by the United States survey, the surveyor shall proceed according to the statutes of the United States and the rules and regulations made by the secretary of the interior in conformity to the federal statutes. While so engaged a surveyor and the surveyor's assistants shall not be liable as a trespasser and shall be liable only for any actual damage done to land or property.

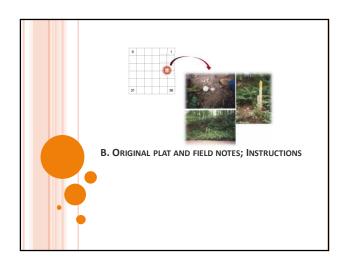
Detailed in the *Manual of Instructions*– 2009 (and previous editions)



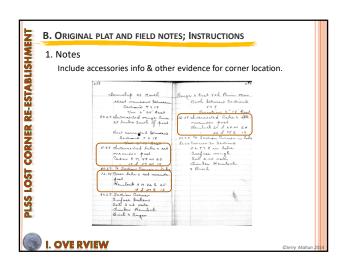
I. OVE RVIEW

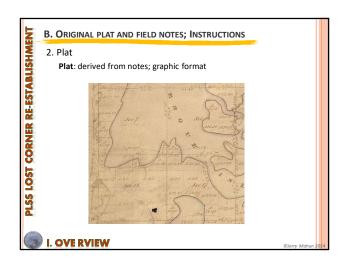
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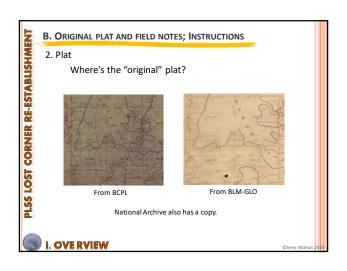








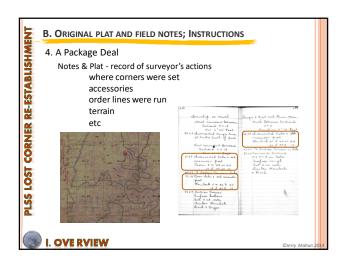


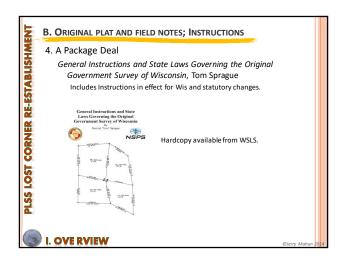


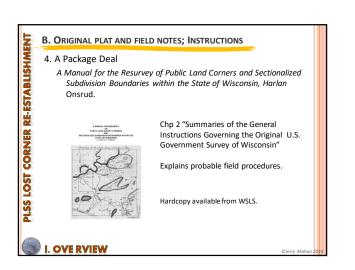
R RE-ESTABLISH		mon type/marking, record keeping, etc.  Far Survey System, C. A. White tructions issued  Available as digital download from		
PLSS LOST CORNER RE-ESTABLISHMEN	of the Rectangular Survey System	Central Valley Chap, CA Land Surveyors Assoc. Link is in seminar handout & website.		
	I. OVE RVIEW	©Jerry Mah	un 2014	

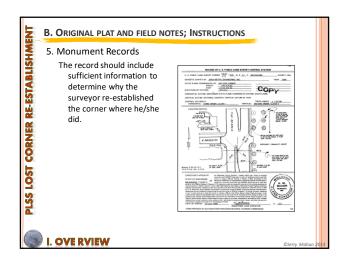
### B. ORIGINAL PLAT AND FIELD NOTES; INSTRUCTIONS 4. A Package Deal Why bother with original notes, plat, Instructions? All that stuff is 150+ years old We can measure much better today.

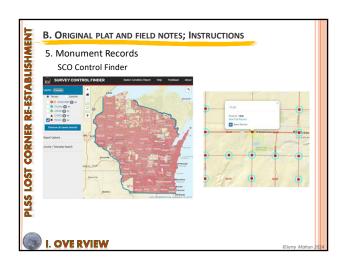
# B. ORIGINAL PLAT AND FIELD NOTES; INSTRUCTIONS 4. A Package Deal Why bother with original notes, plat, Instructions? All that stuff is 150+ years old We can measure much better today. Where the corner was originally est'd is where it belongs today. Trecreate the original situation.

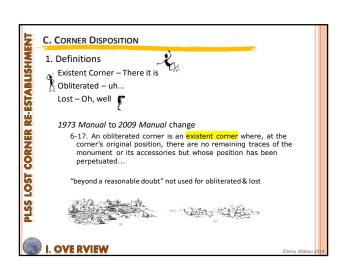






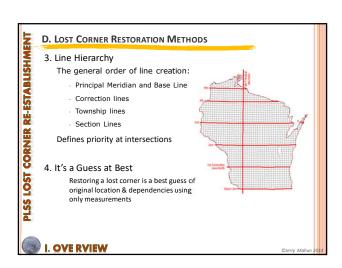


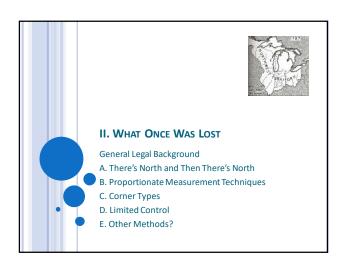


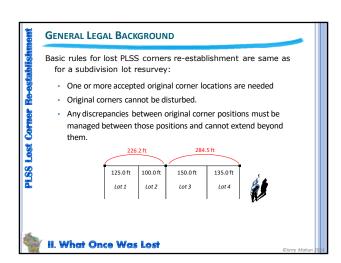


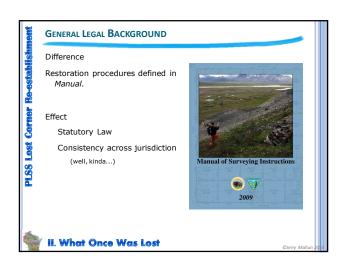
### PLSS LOST CORNER RE-ESTABLISHMENT D. LOST CORNER RESTORATION METHODS 1. Introduction Lost – no credible evidence Re-establish by connecting to other original locations Best attempt to re-create original intent & location Direction Distance · Corner relationships 26 25 30 29 36 31 32 1 6 5 11 12 7 I. OVE RVIEW

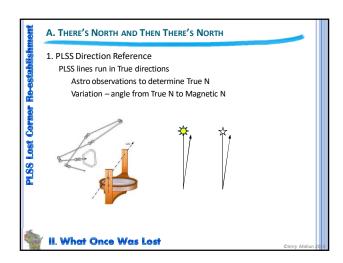
### PLSS LOST CORNER RE-ESTABLISHMENT **D. LOST CORNER RESTORATION METHODS** 2. Restoration Methods a. Primary; Manual page 166 Double Proportionate Measurement (DPM) Sec 7-8 Single Proportionate Measurement (SPM) Sec 7-16 3 Point Control (3PC) Sec 7-13 2 Point Control (2PC) Sec 7-14 Modified SPM (MSPM) Sec 7-44 b. Secondary Methods; Manual page 173 Irregular Boundary Adjustment (IRR) Sec 7-51 Grant Boundary (GB) Sec 7-54 One Point Control (1PC) Sec 7.58 Mixed & Miscellaneous Sec 7-58 & 59 I. OVE RVIEW

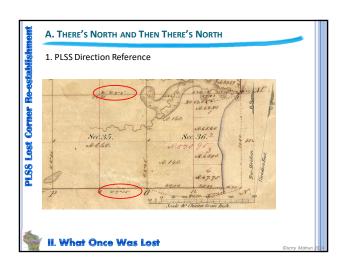


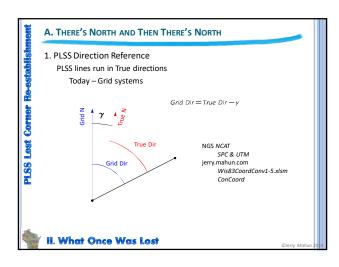


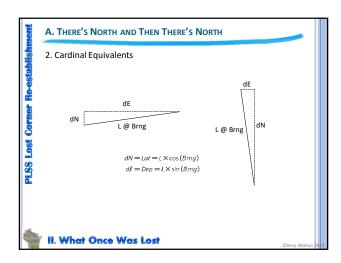


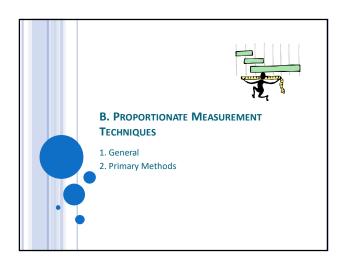


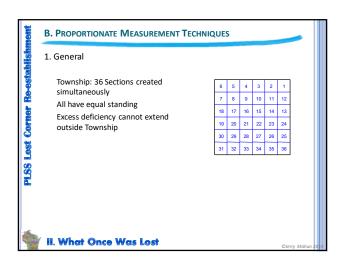








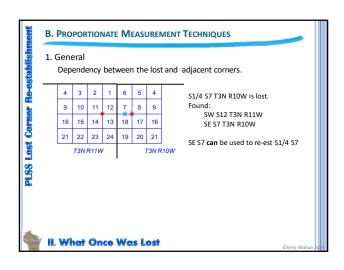


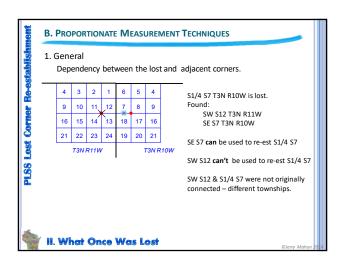


2	1. General							
	Proportioning establishes ratio between current & record distance between same corners	6	5	4	3	2	1	
	original or accepted replacements	7	8	9	10	11	12	
5	Corner hierarchy	18	17	16	15	14	13	
	Dependency	19	20	21	22	23	24	
9		30	29	28	27	26	25	
	Nearest related corners	31	32	33	34	35	36	
	Cannot proportion across accepted corner position.							
1	Emphasis on distance over direction							
	II. What Once Was Lost							

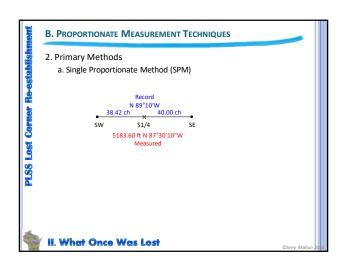
PLSS Lost Corner Re-establishment		<b>PRO</b> Gene		TIOI	NATE	М	EASI	JREI	MENT TECHNIQUES
stablis	1. (			ency	betv	weer	n the	e los	and adjacent corners.
<b>P</b>		4	3	2	1	6	5	4	S1/4 S7 T3N R10W is lost.
10		9	10	11	12	7 ×	8	9	
Ē		16	15	14	13	18	17	16	
Õ		21	22	23	24	19	20	21	
89			T3N	R11V	/		1	T3N F	10W
88									
_									
	/ II.	Wi	nat	On	ice i	Wa	ıs L	ost	©Jerry Mahun 2

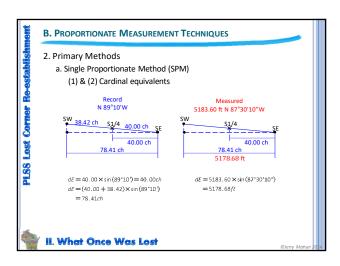
Ĭ	l. Gene	eral						d adjacent corners.	
Ē	4	3	2	1	6	5	4	S1/4 S7 T3N R10W is lost.	
9	9	10	11	12	7 —×	8	9	SW S12 T3N R11W	
5	16	15	14	13	18	17	16	SE S7 T3N R10W	
2	21	22	23	24	19	20	21		
		T3N	R11W	′		1	T3N R1	<i>'</i>	
	II. WÎ			1					

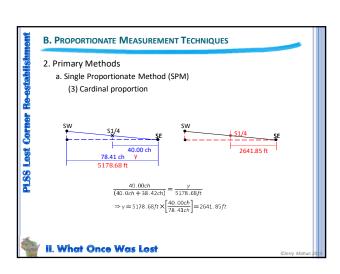


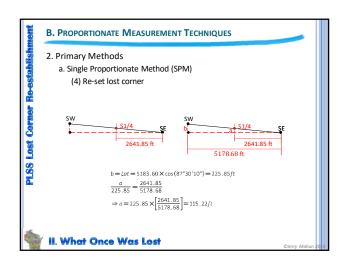


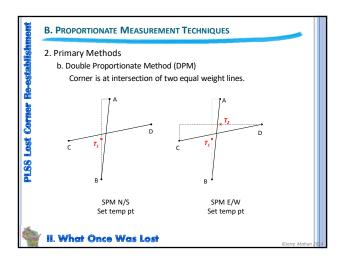
nemt	B. PROPORTIONATE MEASUREMENT TECHNIQUES	
Re-establishm	Primary Methods     a. Single Proportionate Method (SPM)     Used to restore corner that is     on a single line	
PLSS Lost Corner	at intersection of two lines, along the higher weighted line  Re-Establishment Steps  Step (1) Compute appropriate record cardinal equivalents	
PLSS L	Step (2) Compute measured cardinal equivalents Step (3) Set up and solve proportion(s) Step (4) Use proportion(s) to determine lost corner location	
	/ II. What Once Was Lost	©Jerry Mahun 202

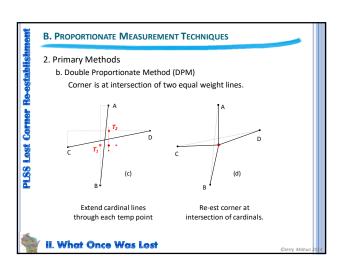


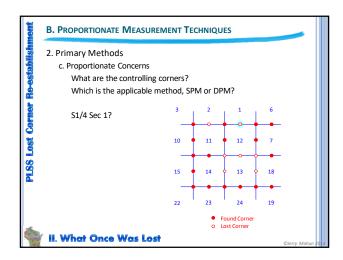


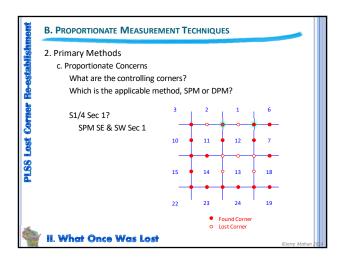


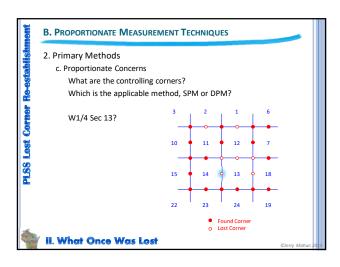


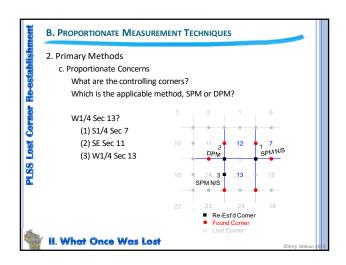


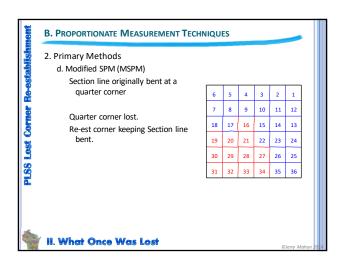


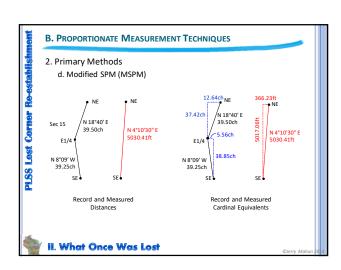


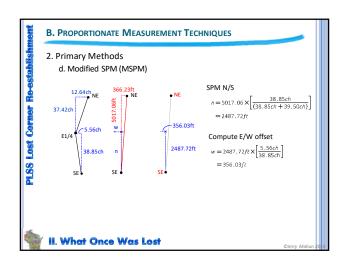


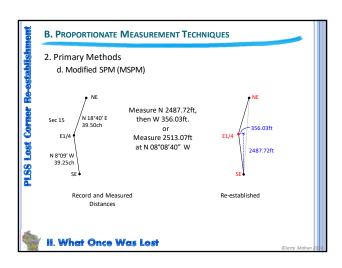


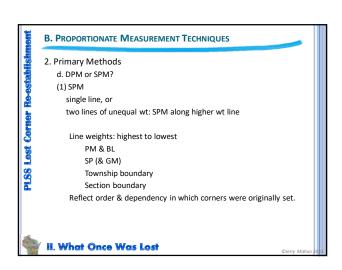


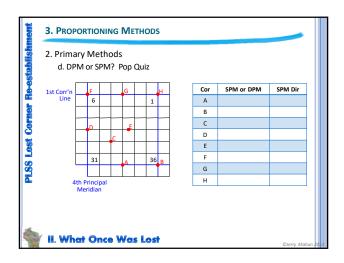


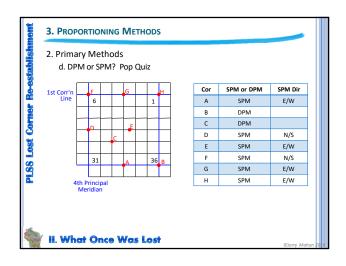


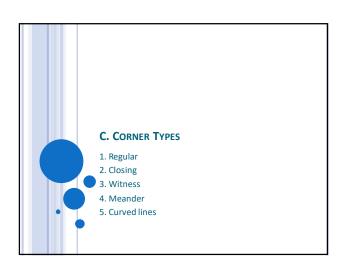


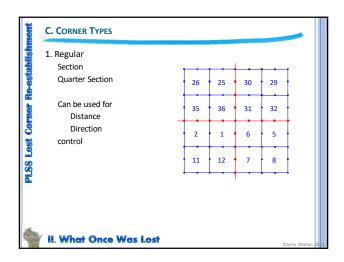


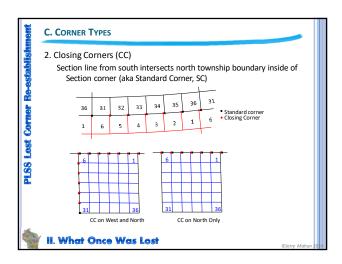


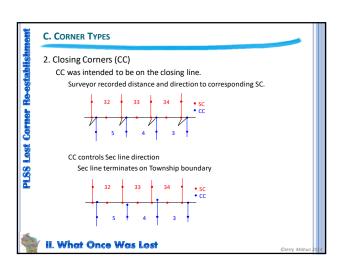


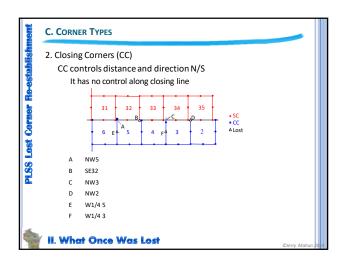


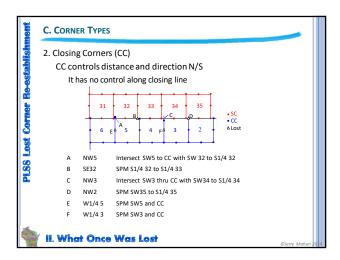


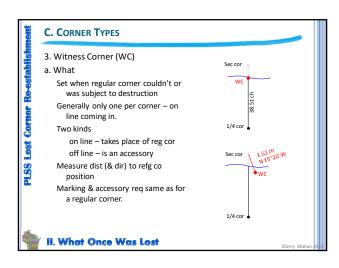


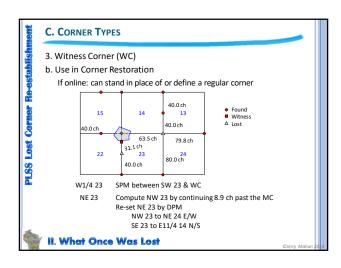


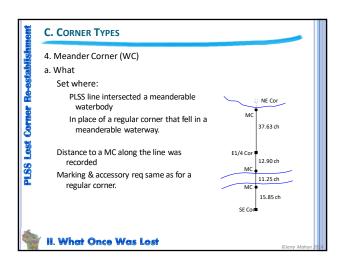


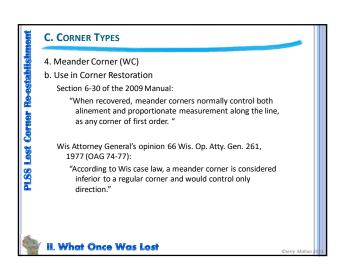


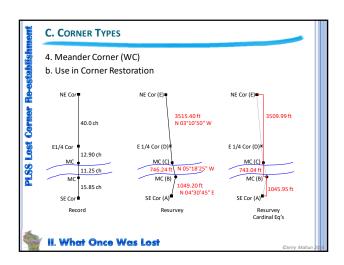


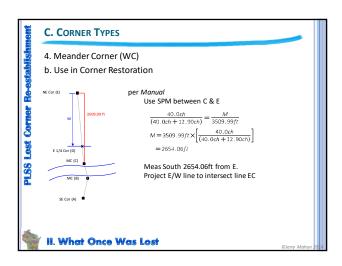


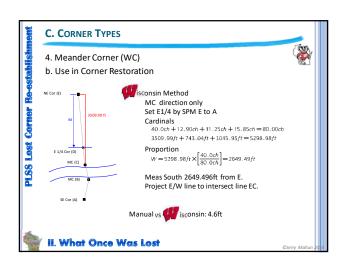


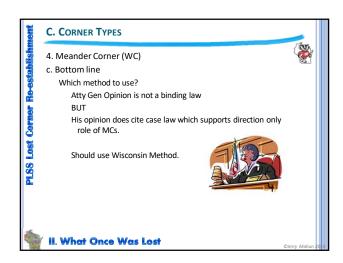


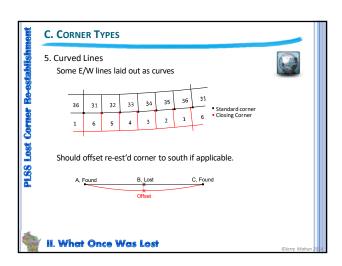


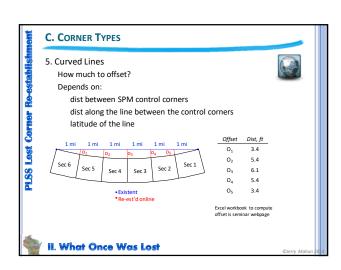


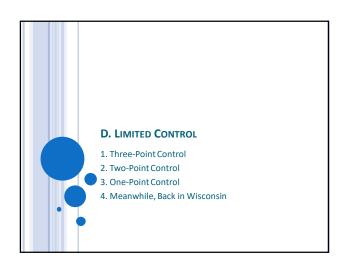


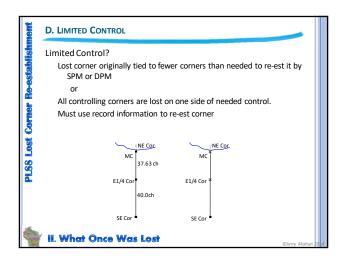


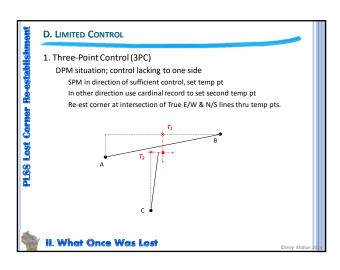


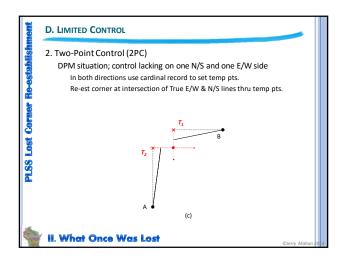


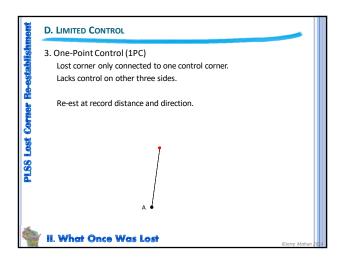


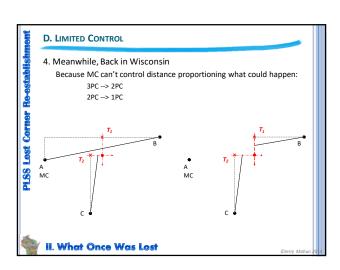




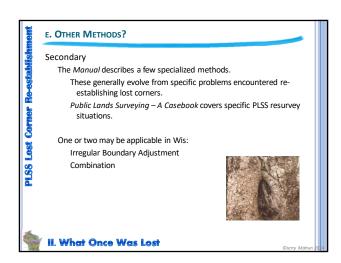


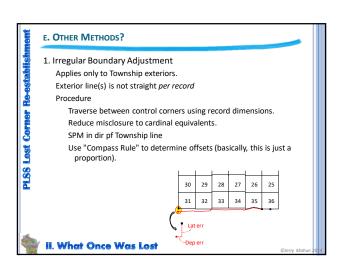


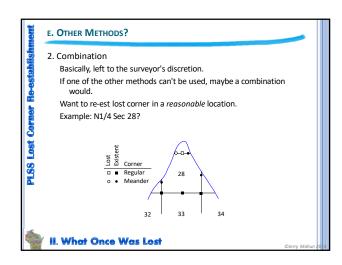


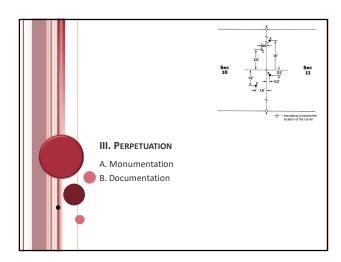


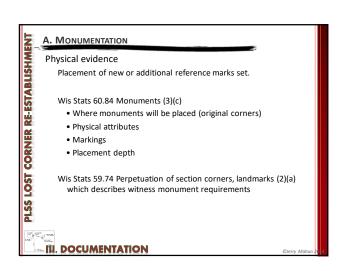












### B. DOCUMENTATION Written evidence Public record of corner, accessories, how corner was re-est'd or verified. Wis Admin Code A-E 7.08 U.S. public land survey monument record • Under what conditions a written record must be filed. • Approved format and required content. • Addendum requirements Should be sufficient information so subsequent user knows: what the physical marker is and how to find it, corner lineage

## Written evidence Wis Admin Code A-E 7.08 U.S. public land survey monument record (b) A description of any record evidence, monument evidence, occupational evidence, testimonial evidence or any other material evidence considered by the surveyor, and whether the monument was found or placed. (c) Reference ties to at least 4 witness monuments ... (d) A plan view drawing depicting the relevant monuments and reference ties which is sufficient in detail to enable accurate relocation of the corner monument if the corner monument is disturbed.

# Written evidence Wis Admin Code A-E 7.08 U.S. public land survey monument record (f) Whether the corner was restored through acceptance of an obliterated evidence location or a found perpetuated location. (g) Whether the corner was re-established through lost-corner-proportionate methods. (h) The directions and distances to other public land survey corners which were used as evidence or used for proportioning in determining the corner location. Pretty much covers it all, huh?

