

Reviewing your Photos and Using June Area Acreage Grid



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National Agricultural Statistics Service



Review the Aerial Photo

BEFORE SHIPPING YOUR PHOTOS BACK:

- Look for blank unlabeled areas on photo
- Check the Photo Against the Screening Form AND what is in CAPI
 - Find each tract letter
 - Check that ambiguous tract letters are underlined
N, Z, M, W, I, H.
 - Compare total tract sizes



The Aerial Photos 5 C's

1. **Complete:** All Land is accounted for
2. **Clear:**
 - ✓ No erroneous information
 - ✓ Letters are in one direction with North facing up
3. **Correspond:**
 - ✓ Tract letters match the screening form
 - ✓ Tract letters match what is in CAPI
4. **Correct:**
 - ✓ Lines are in correct location
 - ✓ Correct colors – Segments are red, Tracts are blue.
5. **Confidential:**
 - ✓ Absolutely no names should ever be written on the aerial photo



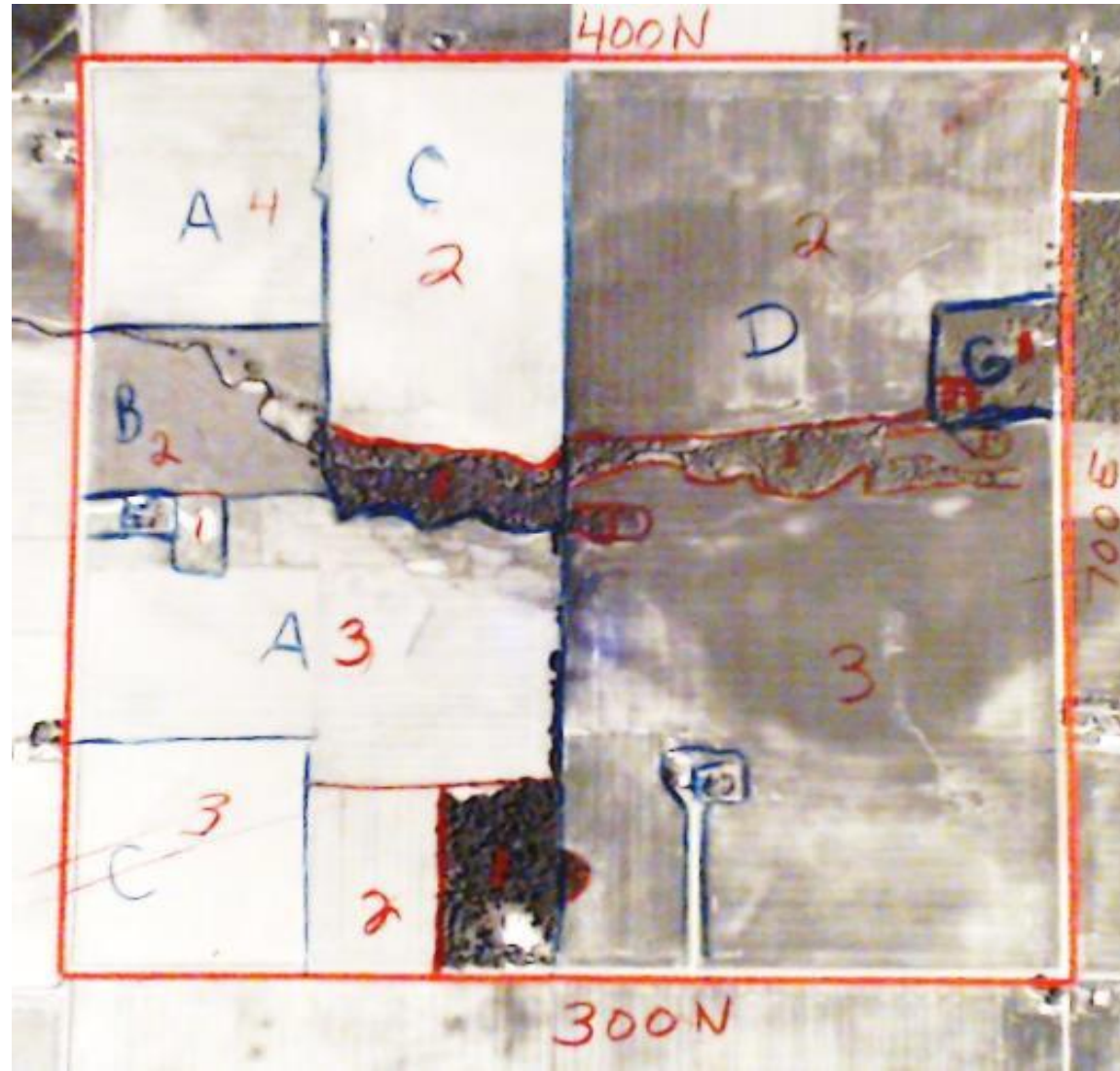
It should NOT look like this:



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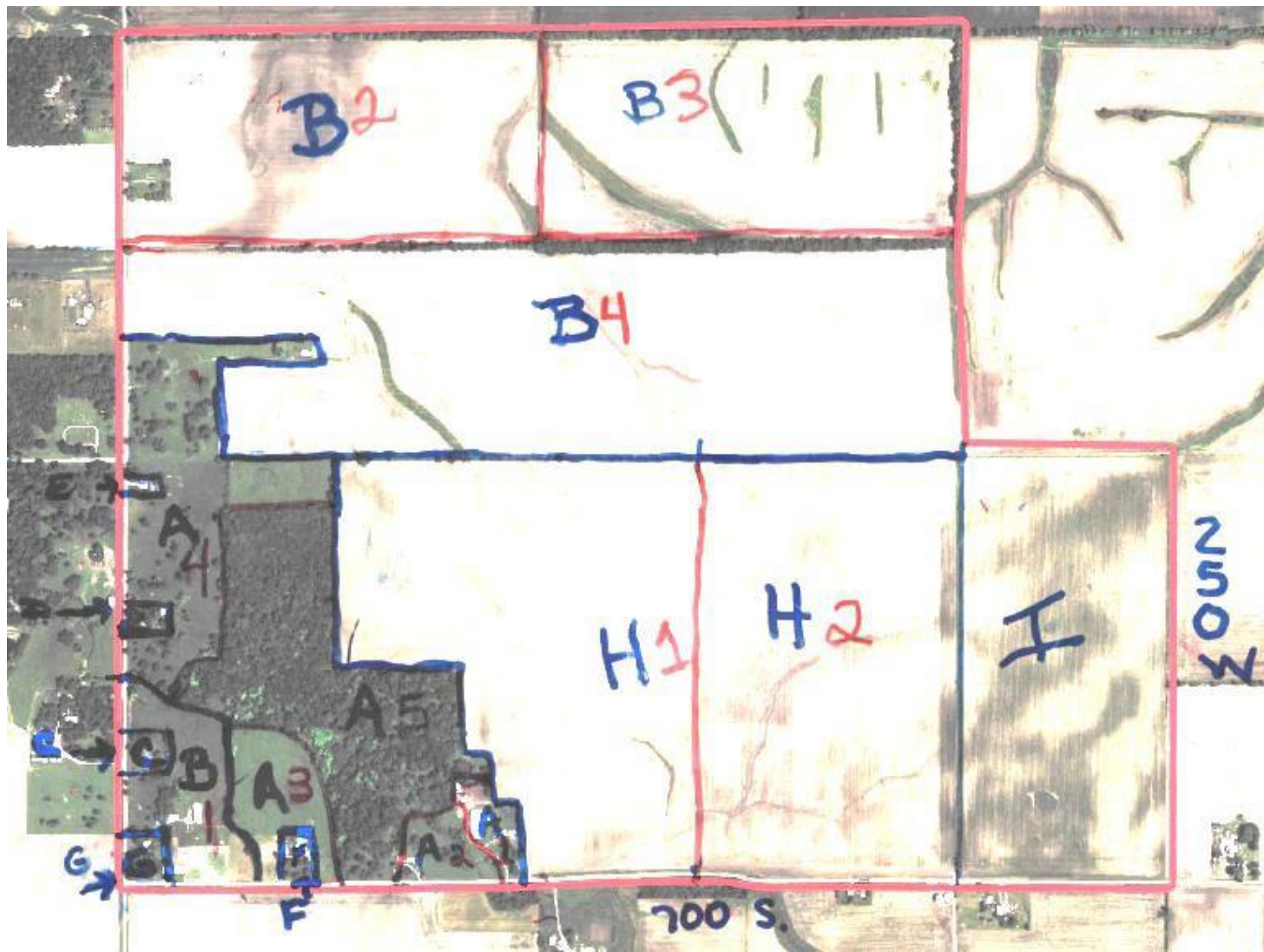
This is CORRECT:



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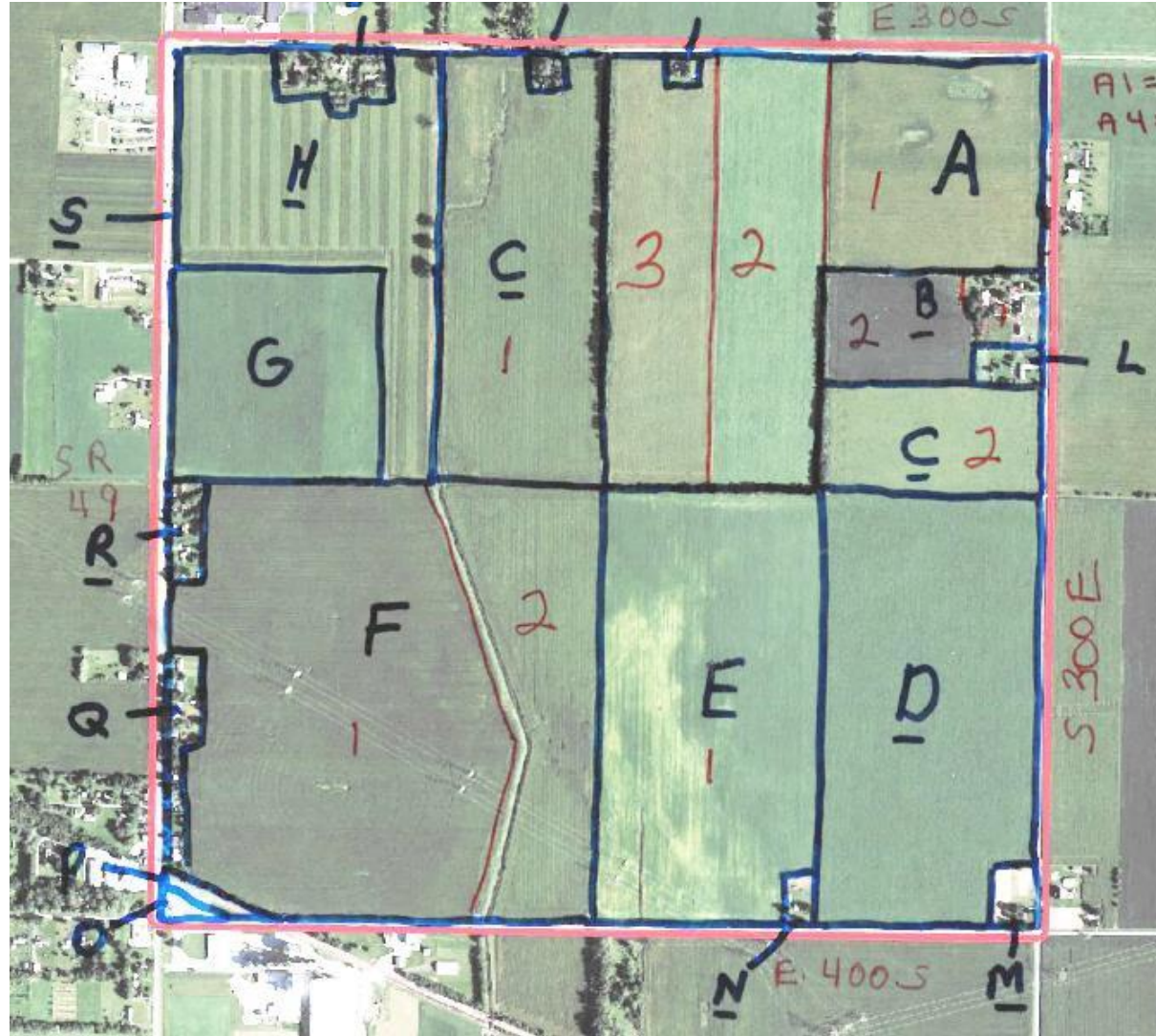
This COULD be Better:



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This is CORRECT:



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Acreage Grid

- When to use it
 - If acreage is unknown
 - Refusals and Inaccessibles
 - Non-Ag Tracts
 - Woods and Waste
 - To verify land totals
 - Digitized acres
 - Field Acres to sum of Tract Acres
 - Tract Acres to sum of Segment Acres



Acreage Grid

- How to use it
 - Template method
 - Place grid over the area
 - Acres = sum of the covered squares
 - Ruler method
 - Measure the length and width
 - Acres = Length X Width X 10
 - Triangles with a right angle
 - Acres = $\frac{1}{2}$ (horizontal base X vertical height X 10)



Template Method

Place the acreage grid on top of the aerial photo

Try to find a shape that matches the field



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Template Method

You may not find an exact square to match the field, but you can still use the template method



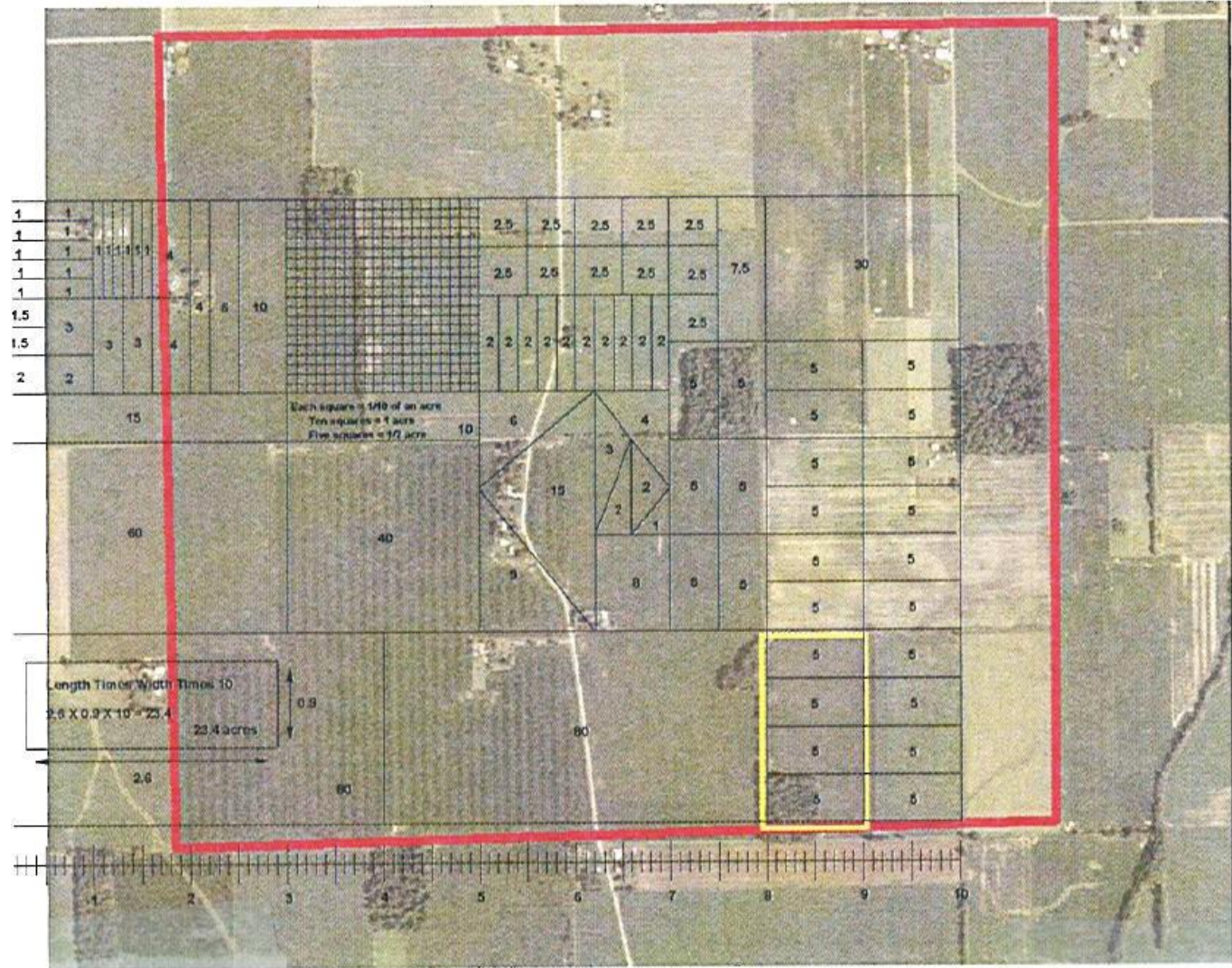
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Template Method

Place these 5 acre boxes over the field

Add them up to find that there are 20 acres in this field



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Template Method

Use the 1/10 of an acre boxes for small odd shaped fields

Count the number of squares

200 squares = 20 acres

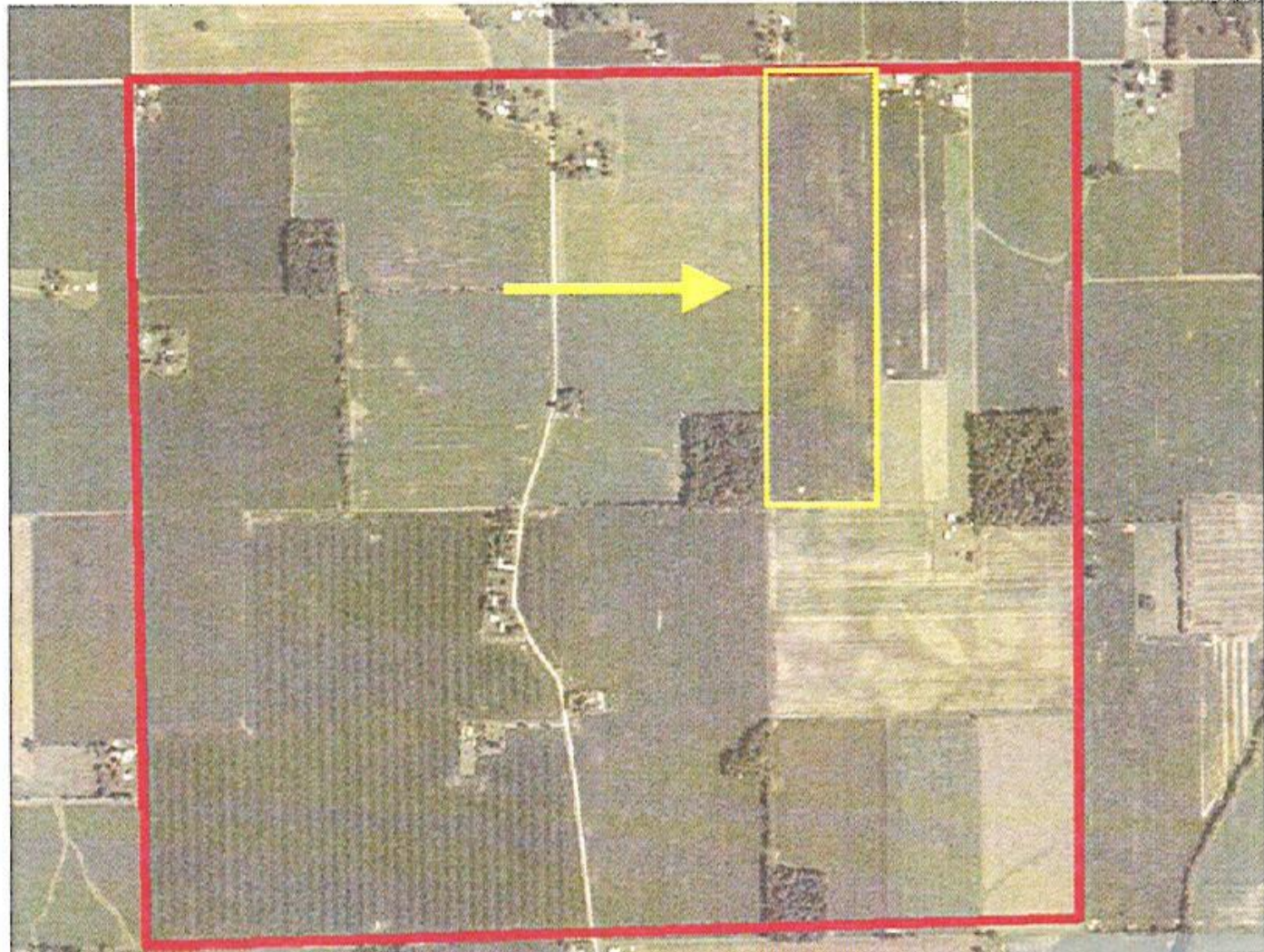


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Ruler Method

The ruler method works better for large rectangular fields

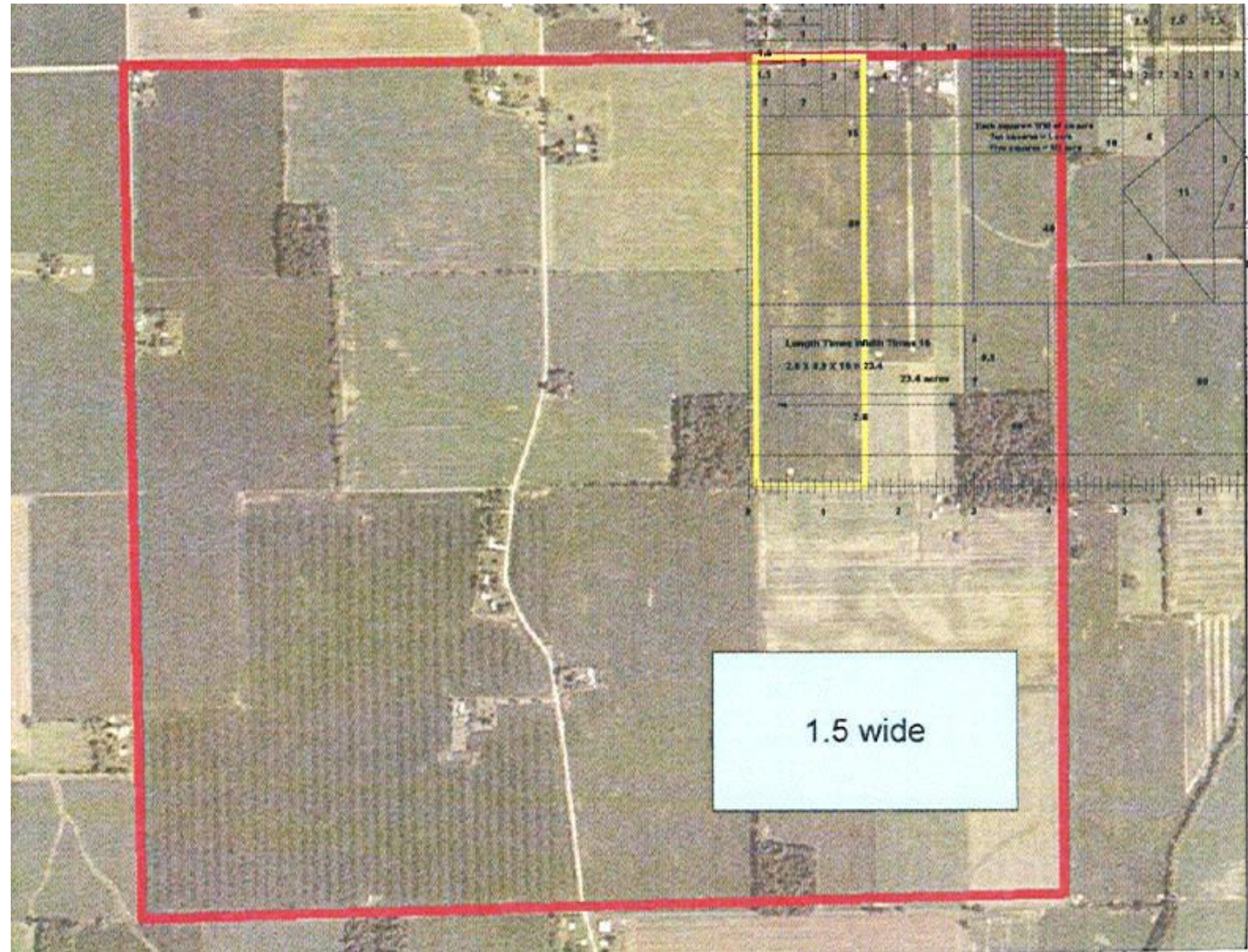


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Ruler Method

Use the ruler on the bottom of the grid to see the width of the field is 1.5 inches

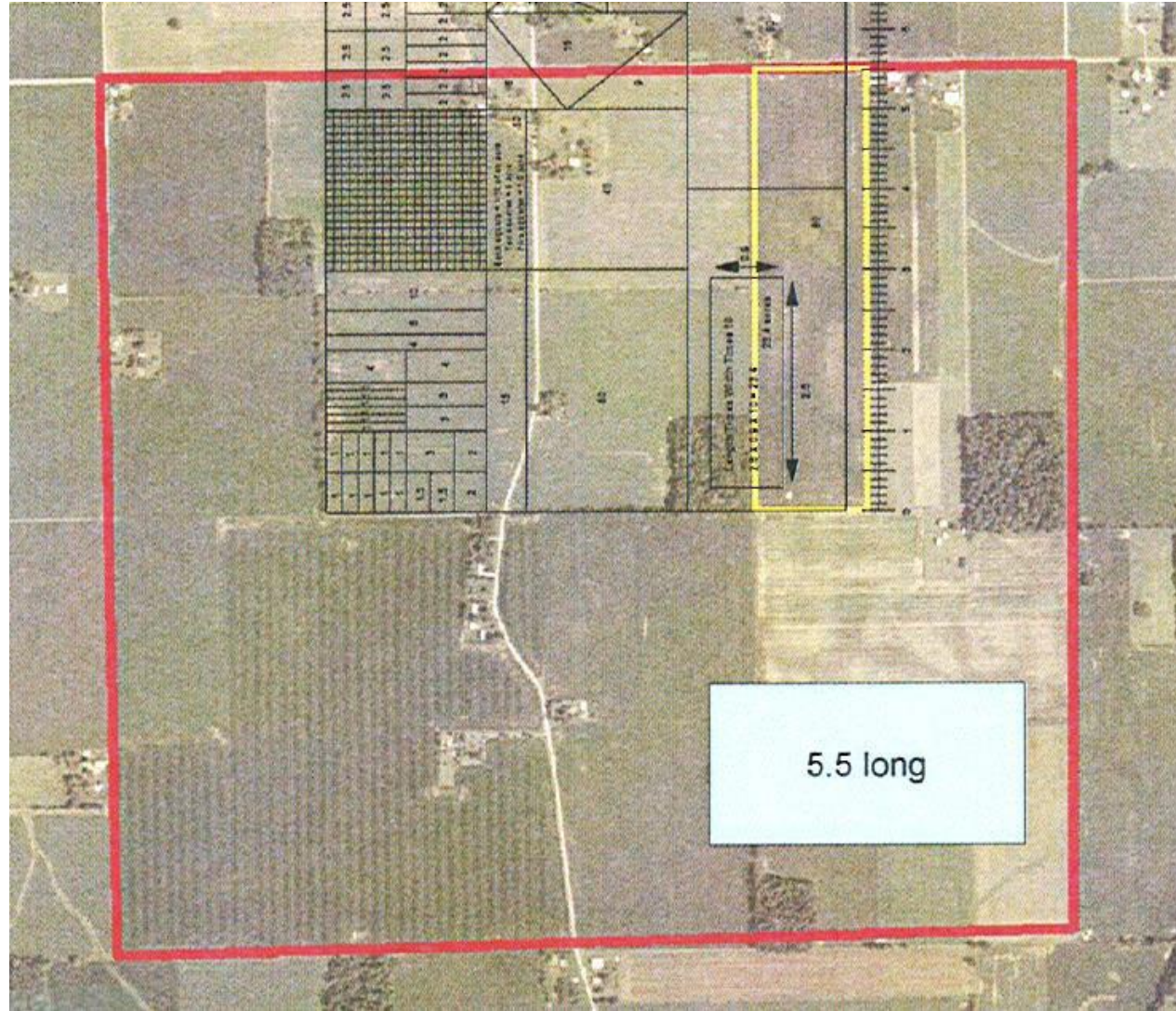


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Ruler Method

Move the ruler vertically to see that the length of the field is 5.5 inches

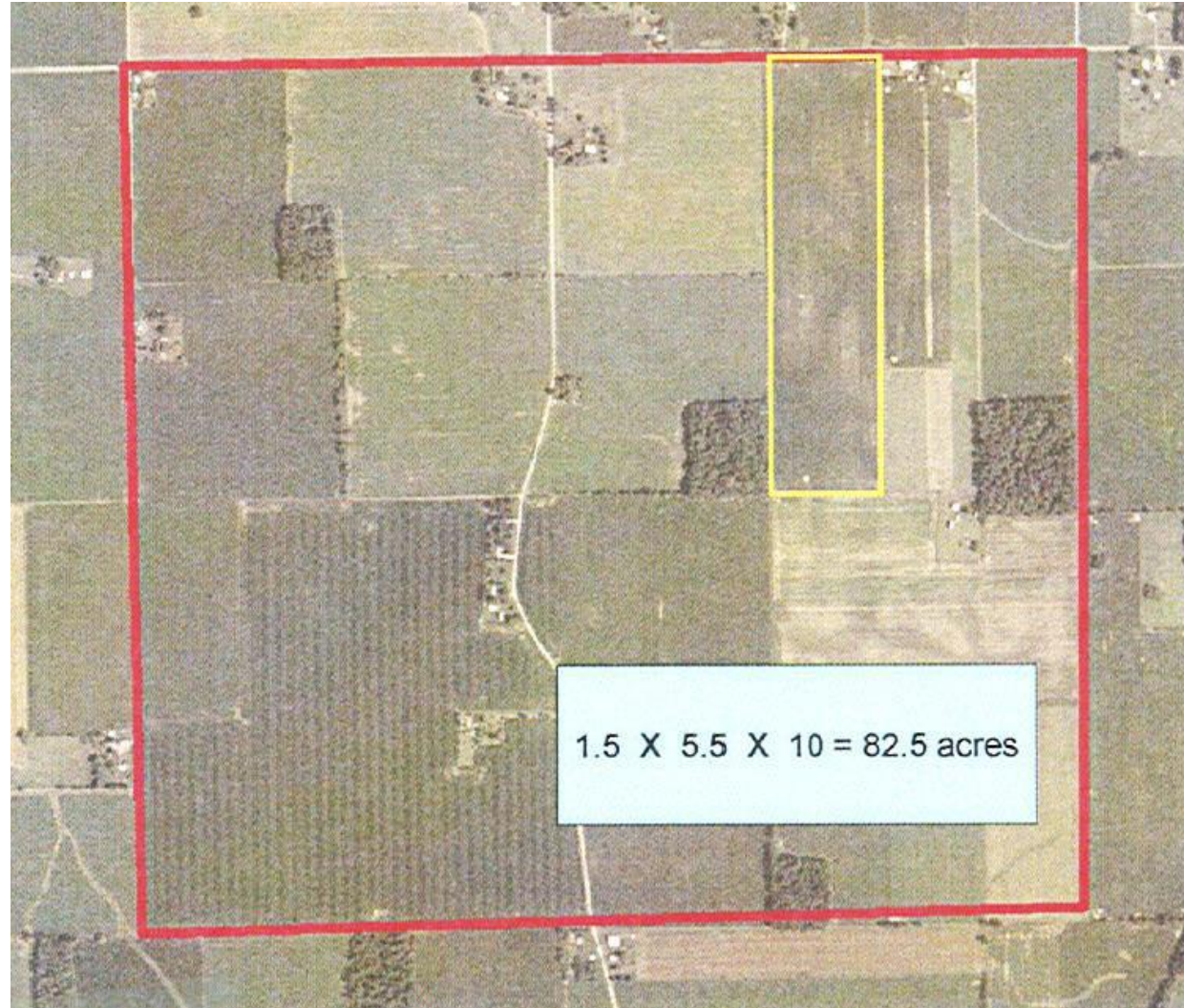


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Ruler Method

Multiply the length times width times 10 to find 82.5 acres in field



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Demonstration



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Thanks For Watching!



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