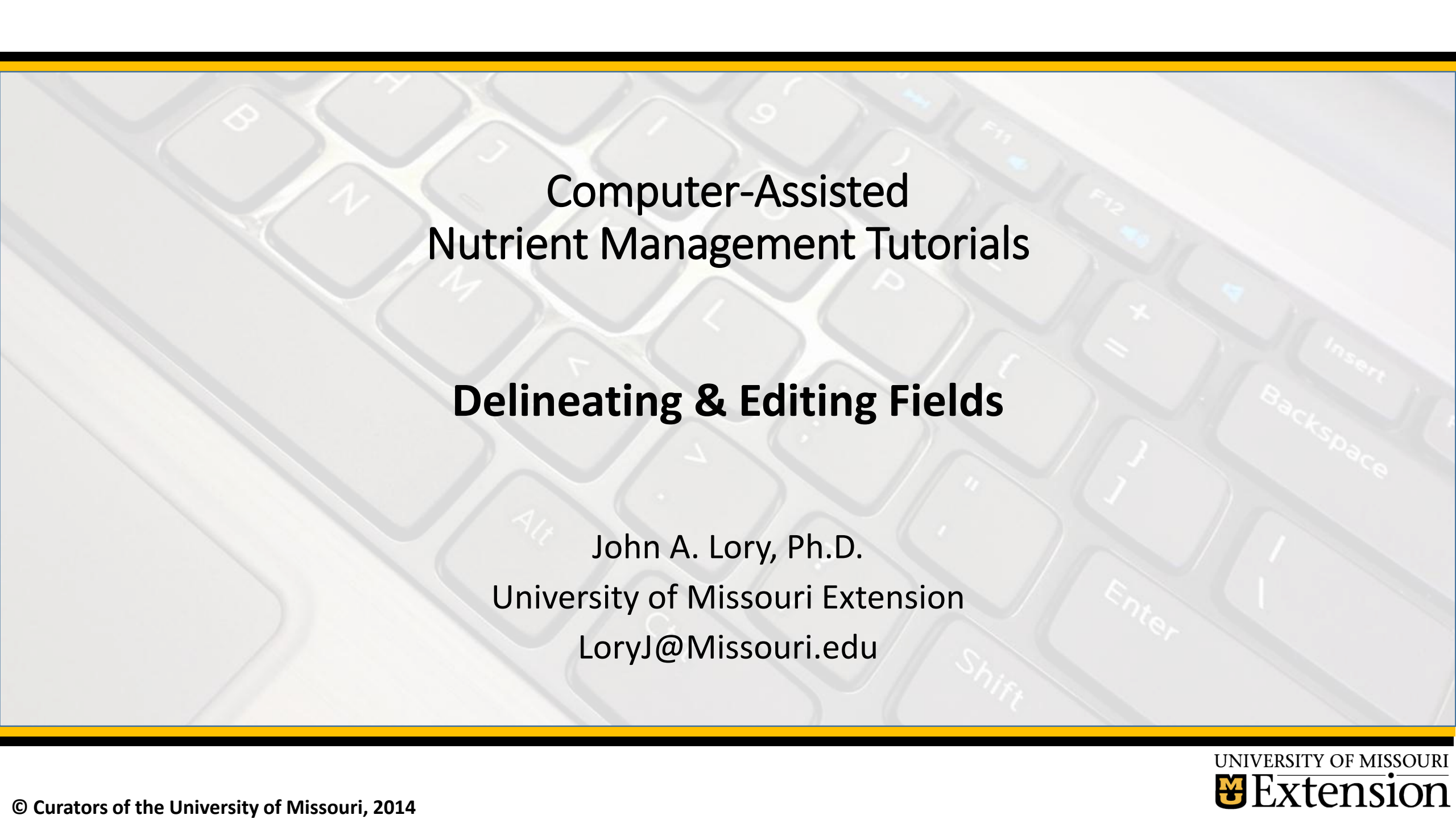


The background of the slide is a close-up, slightly angled photograph of a computer keyboard. The keys are light-colored with dark lettering. Visible keys include 'B', 'N', 'M', 'J', 'I', '9', 'F11', 'F12', '+', '=', 'Insert', 'Backspace', '}', ']', 'Enter', 'Shift', and 'Alt'. The text is centered over this background.

Computer-Assisted Nutrient Management Tutorials

Delineating & Editing Fields

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Our Goal: Drawing field boundaries.

[PROJECT MGMT] [MAPPING] [NUTRIENT MGMT] [NEWS] [ABOUT]

Welcome **Training_Account** ! [Log Out](#)

Location of MU_Example_Farm: MO, Boone County

Map View:

MAP CONTROLS

<input checked="" type="button" value="On"/>	Off	Mouse wheel zoom
On	<input checked="" type="button" value="Off"/>	Labels
<input checked="" type="button" value="On"/>	Off	Setbacks
On	<input checked="" type="button" value="Off"/>	Administrative Boundaries ?
On	<input checked="" type="button" value="Off"/>	Soils ?

[Zoom to all Features](#)

FIELD TOOLS

Click a field in the map to select it.

[Create New Field](#)

[Edit Field](#)

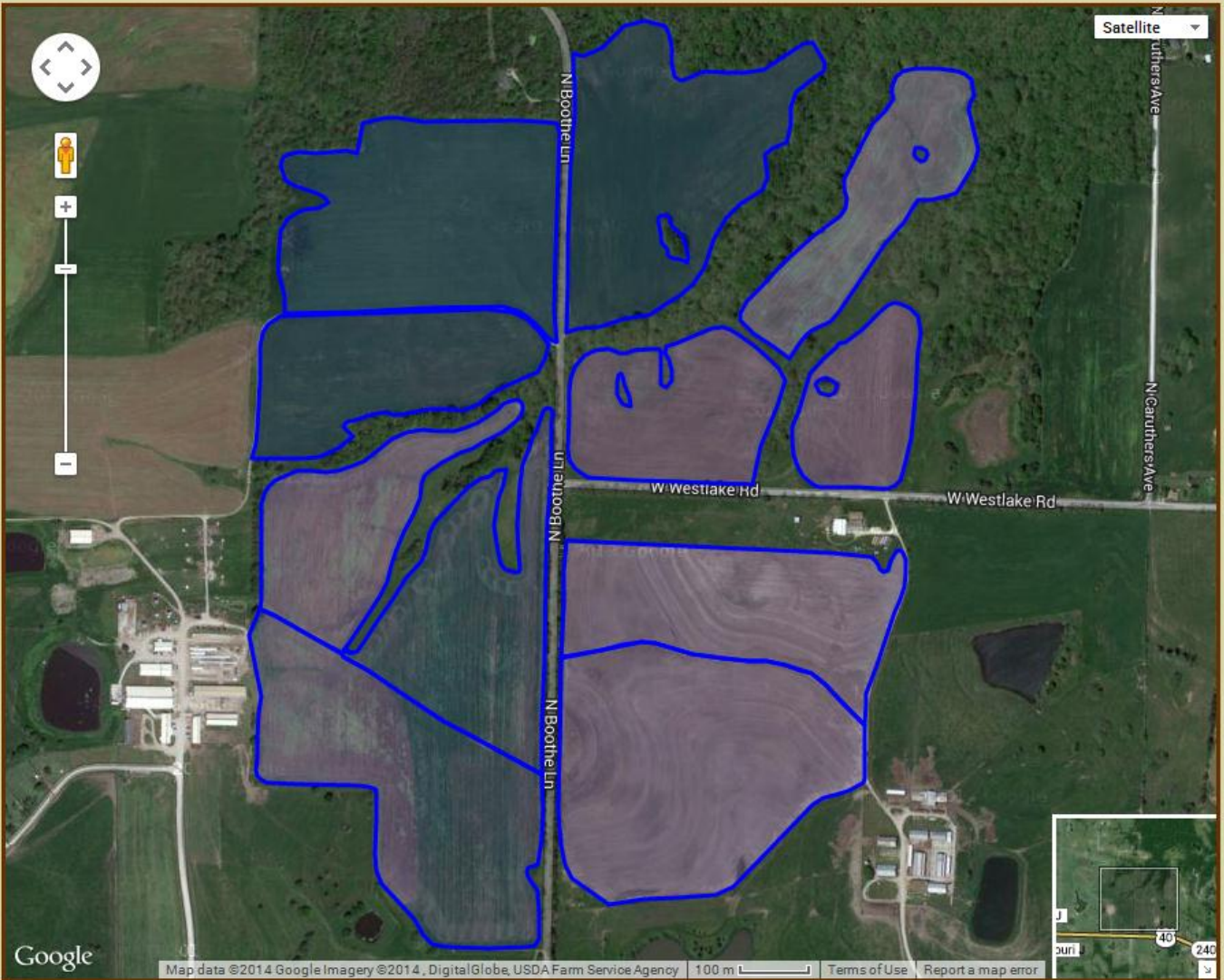
[Delete Field](#)

[Update Soils](#) [?](#)

SETBACK TOOLS

MANURE STORAGE TOOLS

PRINT MAPS



Google

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What we cover

- Delineating a field.
- Editing a field boundary.

MO, Bo

MO, Bo

An aerial photograph showing a landscape with a blue line tracing a path. The path starts in the bottom left, moves horizontally to the right, then turns diagonally upwards and to the right, following a narrow strip of green vegetation. It then turns again to follow a more complex, winding path through a mix of green and brownish fields, eventually leading to a dense forested area at the top right.

Step 2: Initiate “Create New Field”.

[PROJECT MGMT] [**MAPPING**] [NUTRIENT MGMT] [ABOUT]

Welcome **Training Account** ! [Log Out](#)

Location of MU_Example_Farm: MO, Boone County

Map View: **On** **Off**

MAP CONTROLS

On	Off	Mouse wheel zoom
On	Off	Labels
On	Off	Setbacks
On	Off	Administrative Boundaries ?
On	Off	Soils ?

[Zoom to all Features](#)

FIELD TOOLS

Click a field in the map to select it.

[Create New Field](#)

[Edit Field](#)

[Delete Field](#)

[Update Soils](#) [?](#)



Google

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Step 3: Enter field information... and select “Start Drawing”.

[PROJECT MGMT] [**MAPPING**] [NUTRIENT MGMT] [ABOUT]

Welcome **Training_Account** ! [Log Out](#)

Location of MU_Example_Farm: MO, Boone County

Map View:

ADD FIELD

Please enter a unique ID/SubID for the field, then click Start Drawing.

ID (required, 15 char. max):

SubID (optional, 5 char. max):

Notes:

▼ MORE ATTRIBUTES

Satellite

MAP CONTROLS

<input checked="" type="button" value="On"/>	Off	Mouse wheel zoom
On	<input checked="" type="button" value="Off"/>	Labels
<input checked="" type="button" value="On"/>	Off	Setbacks
On	<input checked="" type="button" value="Off"/>	Administrative Boundaries ?
On	<input checked="" type="button" value="Off"/>	Soils ?

Step 4: Use your mouse to click your way around the field.

While drawing I can navigate around the field to see better.

[PROJECT MGMT] [MAPPING] [NUTRIENT MGMT] [ABOUT] Welcome **Training Account** ! [Log Out](#)

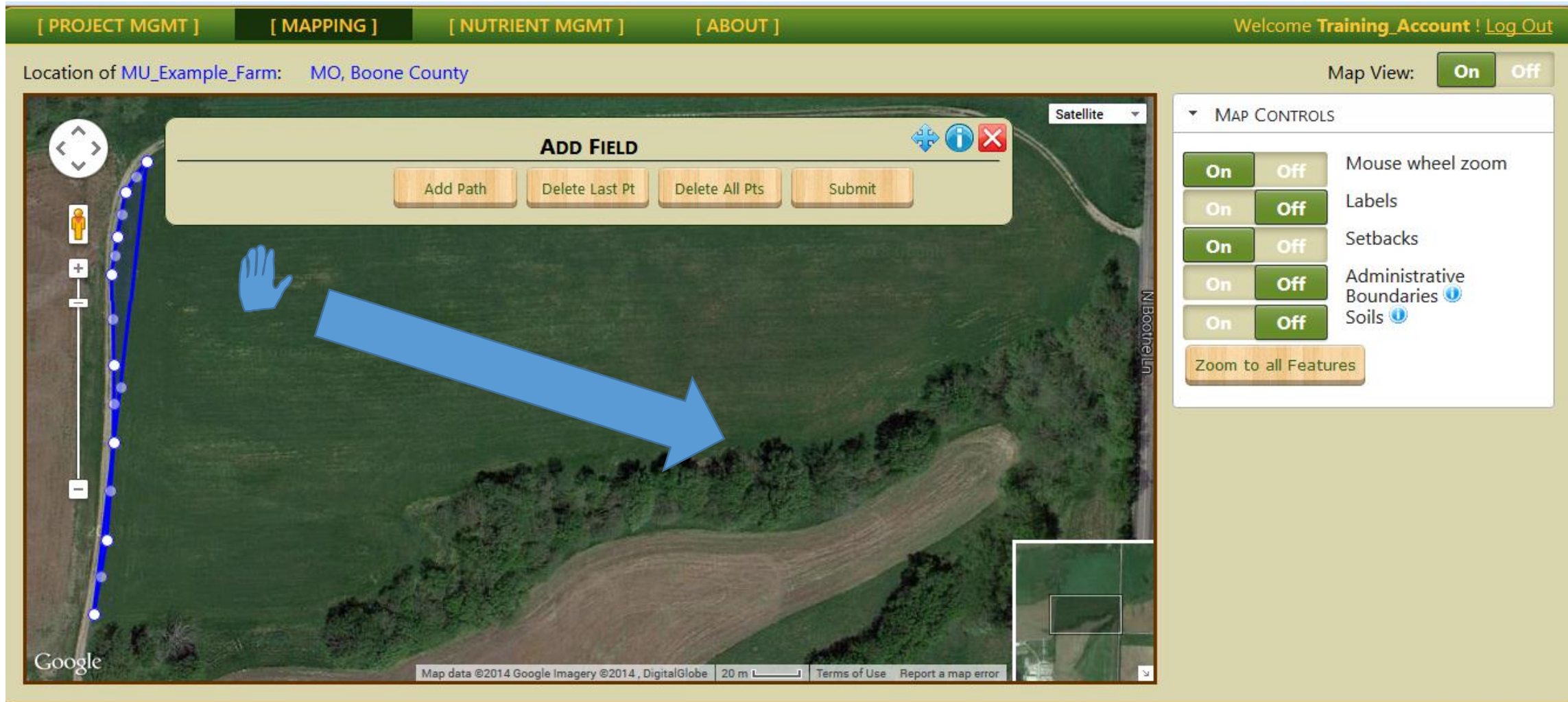
Location of MU_Example_Farm: MO, Boone County

Map View:

ADD FIELD

Map Controls:

<input checked="" type="button" value="On"/>	Off	Mouse wheel zoom
On	<input checked="" type="button" value="Off"/>	Labels
<input checked="" type="button" value="On"/>	Off	Setbacks
On	<input checked="" type="button" value="Off"/>	Administrative Boundaries
<input checked="" type="button" value="On"/>	Off	Soils



Step 4: Use your mouse to click your way around the field.

[PROJECT MGMT] [**MAPPING**] [NUTRIENT MGMT] [ABOUT]

Welcome **Training Account** ! [Log Out](#)

Location of MU_Example_Farm: MO, Boone County

Map View:

ADD FIELD

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MAP CONTROLS

<input checked="" type="button" value="On"/>	Off	Mouse wheel zoom
On	<input checked="" type="button" value="Off"/>	Labels
<input checked="" type="button" value="On"/>	Off	Setbacks
On	<input checked="" type="button" value="Off"/>	Administrative Boundaries ?
On	<input checked="" type="button" value="Off"/>	Soils ?

Step 4: Use your mouse to click your way around the field.

You can also zoom in while drawing a field.

[PROJECT MGMT] [**MAPPING**] [NUTRIENT MGMT] [ABOUT]

Welcome **Training Account** ! [Log Out](#)

Location of MU_Example_Farm: MO, Boone County

Map View:

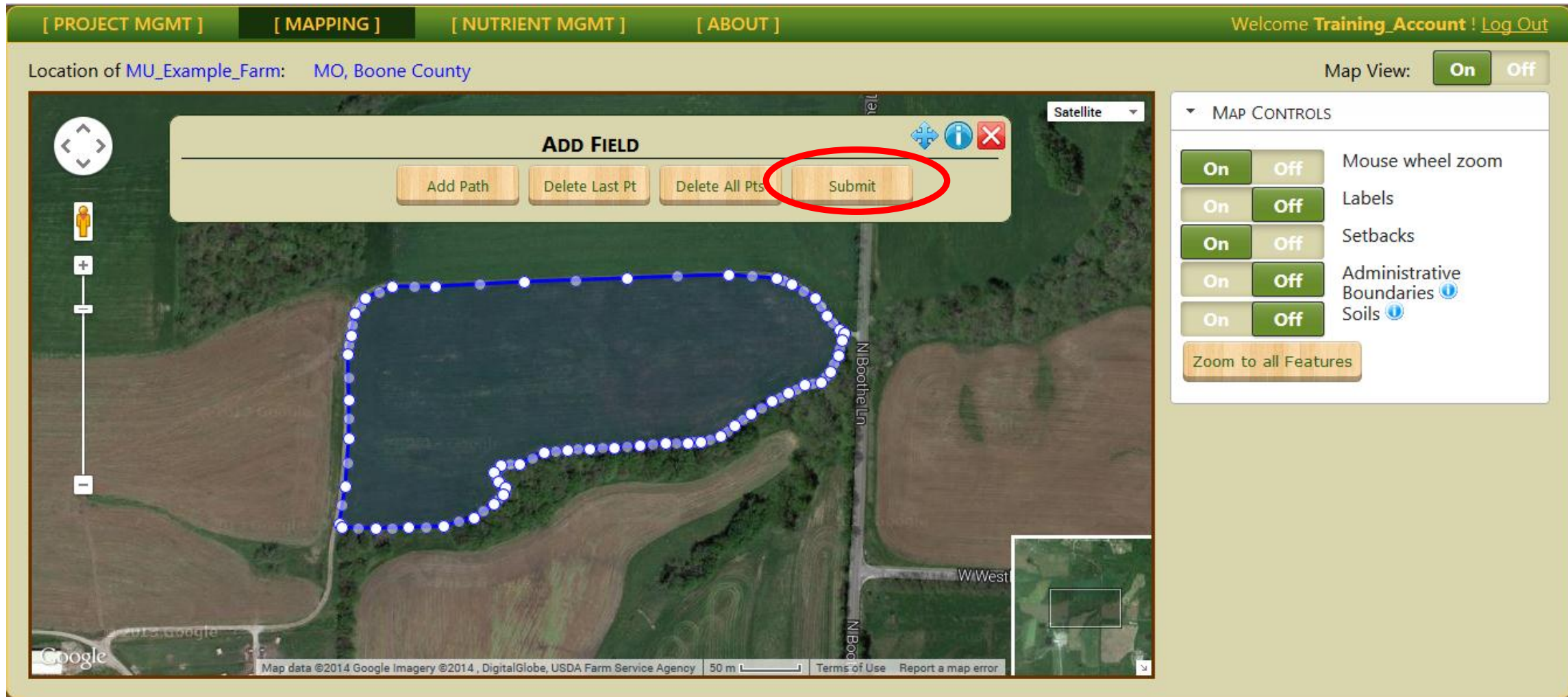
ADD FIELD

Map data ©2014 Google Imagery ©2014, DigitalGlobe 10 m

MAP CONTROLS

<input checked="" type="button" value="On"/>	Off	Mouse wheel zoom
On	<input checked="" type="button" value="Off"/>	Labels
<input checked="" type="button" value="On"/>	Off	Setbacks
On	<input checked="" type="button" value="Off"/>	Administrative Boundaries ?
<input checked="" type="button" value="On"/>	Off	Soils ?

Step 5: When you complete drawing the field select “Submit”.



Step 6: “Click” on the field for field information or to edit or delete the field.

[PROJECT MGMT] [MAPPING] [NUTRIENT MGMT] [ABOUT]

Welcome **Training Account** ! [Log Out](#)

Location of MU_Example_Farm: MO, Boone County

Map View:

MAP CONTROLS

<input checked="" type="button" value="On"/> Off	Mouse wheel zoom
On <input checked="" type="button" value="Off"/>	Labels
<input checked="" type="button" value="On"/> Off	Setbacks
On <input checked="" type="button" value="Off"/>	Administrative Boundaries ?
On <input checked="" type="button" value="Off"/>	Soils ?

FIELD TOOLS

Click a field in the map to select it.

[?](#)

The screenshot displays a web-based mapping application. At the top, there are navigation tabs: [PROJECT MGMT], [MAPPING] (which is active), [NUTRIENT MGMT], and [ABOUT]. To the right of these tabs, it says 'Welcome Training Account ! Log Out'. Below the tabs, it indicates the 'Location of MU_Example_Farm: MO, Boone County'. The main area is a satellite map showing a large, irregularly shaped field outlined in blue. To the left of the map are navigation controls: a compass, a person icon, and a vertical zoom slider. To the right of the map is a 'MAP CONTROLS' panel with several toggle buttons for 'Mouse wheel zoom', 'Labels', 'Setbacks', 'Administrative Boundaries', and 'Soils'. Below these are buttons for 'Zoom to all Features' and 'FIELD TOOLS'. The 'FIELD TOOLS' section includes a prompt 'Click a field in the map to select it.' and buttons for 'Create New Field', 'Edit Field', 'Delete Field', and 'Update Soils'. At the bottom of the map, there is a Google logo and a scale bar indicating 50 meters.

Field complete.

Click on buttons to edit or delete a field.

[\[PROJECT MGMT \]](#) [\[MAPPING \]](#) [\[NUTRIENT MGMT \]](#) [\[ABOUT \]](#) Welcome **Training_Account** ! [Log Out](#)

Location of MU_Example_Farm: [MO, Boone County](#)

Satellite

Field

ID: 1

Acres: 13.6

Spr. Acres: 13.6

Notes:

Map View:

MAP CONTROLS

Mouse wheel zoom

Labels

Setbacks

Administrative Boundaries

Soils

Zoom to all Features

FIELD TOOLS

Click a field in the map to select it.

Create New Field

Edit Field

Delete Field

Update Soils

Map data ©2014 Google Imagery ©2014 , DigitalGlobe, USDA Farm Service Agency 50 m Terms of Use Report a map error

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UNIVERSITY OF MISSOURI
 Extension

Editing Existing Fields: Step 1. Select a field by clicking on it.

Field boundary goes yellow when it is selected.

[PROJECT MGMT] [MAPPING] [NUTRIENT MGMT] [NEWS] [ABOUT]

Welcome **Training Account** ! [Log Out](#)

Location of MU_Example_Farm_: Rt. 5, Columbia, MO, 65202, Boone County

Map View:

MAP CONTROLS

<input checked="" type="button" value="On"/>	Off	Mouse wheel zoom
On	<input checked="" type="button" value="Off"/>	Labels
<input checked="" type="button" value="On"/>	Off	Setbacks
On	<input checked="" type="button" value="Off"/>	Administrative Boundaries ?
On	<input checked="" type="button" value="Off"/>	Soils ?

[Zoom to all Features](#)

FIELD TOOLS

Click a field in the map to select it.

[Create New Field](#)

[Edit Field](#)

[Delete Field](#)

[Update Soils](#) [?](#)

Field

ID:	2
SubID:	A
Acres:	11.5
Spr. Acres:	11.5
Notes:	

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Editing Existing Fields: Step 2. Click on “Edit Field”.

[PROJECT MGMT] [MAPPING] [NUTRIENT MGMT] [NEWS] [ABOUT]

Welcome **Training Account!** [Log Out](#)

Location of MU_Example_Farm_: Rt. 5, Columbia, MO, 65202, Boone County

Map View:

Field [X]

ID:	2
SubID:	A
Acres:	11.5
Spr. Acres:	11.5
Notes:	

MAP CONTROLS

<input checked="" type="button" value="On"/> Off	Mouse wheel zoom
On <input checked="" type="button" value="Off"/>	Labels
<input checked="" type="button" value="On"/> Off	Setbacks
On <input checked="" type="button" value="Off"/>	Administrative Boundaries ?
On <input checked="" type="button" value="Off"/>	Soils ?

[Zoom to all Features](#)

FIELD TOOLS

Click a field in the map to select it.

[Create New Field](#)

[Edit Field](#) ←

[Delete Field](#)

[Update Soils](#) [?](#)

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Editing Existing Fields: Step 3. Click on “Edit Shape”.

Note that you can also edit field text attributes on this screen.

[PROJECT MGMT] [MAPPING] [NUTRIENT MGMT] [NEWS] [ABOUT]

Welcome **Training Account** ! [Log Out](#)

Location of MU_Example_Farm_: Rt. 5, Columbia, MO, 65202, Boone County

Map View:

EDIT FIELD

Please enter a unique ID/SubID for the field, then click Start Drawing.

ID (required): 15 characters remaining

SubID: 5 characters remaining

Soil type: ⓘ

Notes: 100 characters remaining

▶ MORE ATTRIBUTES

Satellite

MAP CONTROLS

<input checked="" type="button" value="On"/>	Off	Mouse wheel zoom
<input checked="" type="button" value="On"/>	Off	Labels
<input checked="" type="button" value="On"/>	Off	Setbacks
<input checked="" type="button" value="On"/>	Off	Administrative Boundaries ⓘ
<input checked="" type="button" value="On"/>	Off	Soils ⓘ

Google

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Editing Existing Fields: Step 4.

Drag dots with your mouse to reshape the field.

[PROJECT MGMT] [MAPPING] [NUTRIENT MGMT] [NEWS] [ABOUT]

Welcome **Training_Account** ! [Log Out](#)

Location of MU_Example_Farm_: Rt. 5, Columbia, MO, 65202, Boone County

Map View:

EDIT FIELD

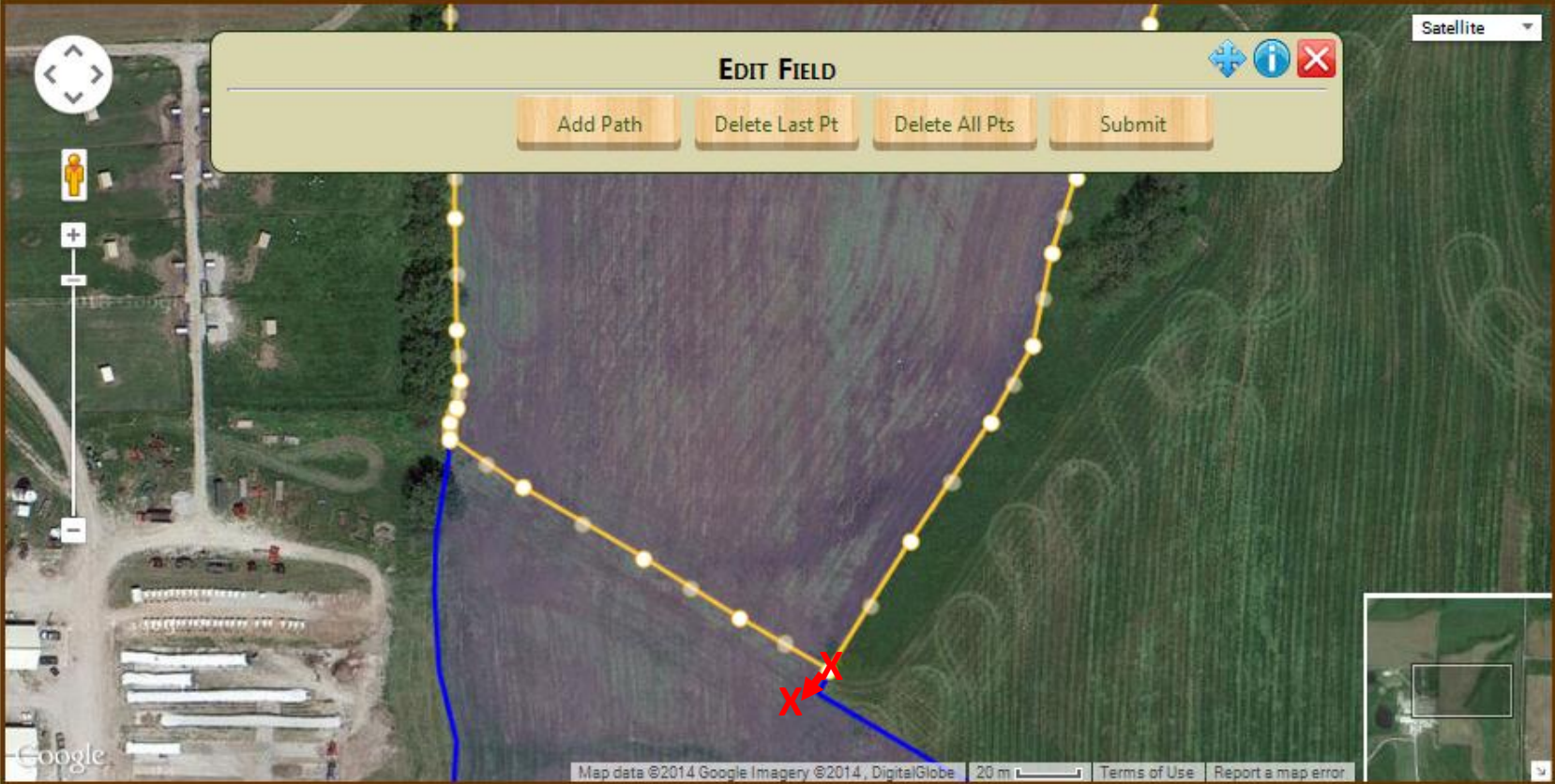
Satellite

Map CONTROLS

<input checked="" type="button" value="On"/>	Off	Mouse wheel zoom
On	<input checked="" type="button" value="Off"/>	Labels
<input checked="" type="button" value="On"/>	Off	Setbacks
On	<input checked="" type="button" value="Off"/>	Administrative Boundaries
On	<input checked="" type="button" value="Off"/>	Soils

Google

Map data ©2014 Google Imagery ©2014, DigitalGlobe 20 m Terms of Use Report a map error



Editing Existing Fields: Step 5. Submit the field to complete editing.

Note that when editing the field being edited will clip the existing field.

The screenshot displays the 'MAPPING' interface with a green navigation bar at the top containing links: [PROJECT MGMT], [MAPPING], [NUTRIENT MGMT], [NEWS], and [ABOUT]. The user is logged in as 'Training_Account' and can click 'Log Out'. The location is set to 'Location of MU_Example_Farm_: Rt. 5, Columbia, MO, 65202, Boone County'. The 'Map View' is set to 'On'. The 'EDIT FIELD' dialog box is open, showing buttons for 'Add Path', 'Delete Last Pt', 'Delete All Pt', and 'Submit'. The 'Submit' button is circled in red. The map shows a field being edited with a red oval indicating the area being clipped. The 'MAP CONTROLS' panel on the right lists various map features: 'Mouse wheel zoom' (On/Off), 'Labels' (On/Off), 'Setbacks' (On/Off), 'Administrative Boundaries' (On/Off), and 'Soils' (On/Off). A 'Zoom to all Features' button is also present. The map data is from 2014, and a scale bar indicates 20 meters.

Editing Existing Fields: Note the edited field clips the existing field it is neighboring.

[PROJECT MGMT] [MAPPING] [NUTRIENT MGMT] [NEWS] [ABOUT]

Welcome **Training_Account** ! [Log Out](#)

Location of MU_Example_Farm_: Rt. 5, Columbia, MO, 65202, Boone County

Map View:

MAP CONTROLS

<input checked="" type="button" value="On"/>	Off	Mouse wheel zoom
On	<input checked="" type="button" value="Off"/>	Labels
<input checked="" type="button" value="On"/>	Off	Setbacks
On	<input checked="" type="button" value="Off"/>	Administrative Boundaries ?
On	<input checked="" type="button" value="Off"/>	Soils ?

FIELD TOOLS

Click a field in the map to select it.

[?](#)

Editing Existing Fields: Some other details.

i is for help... Information.

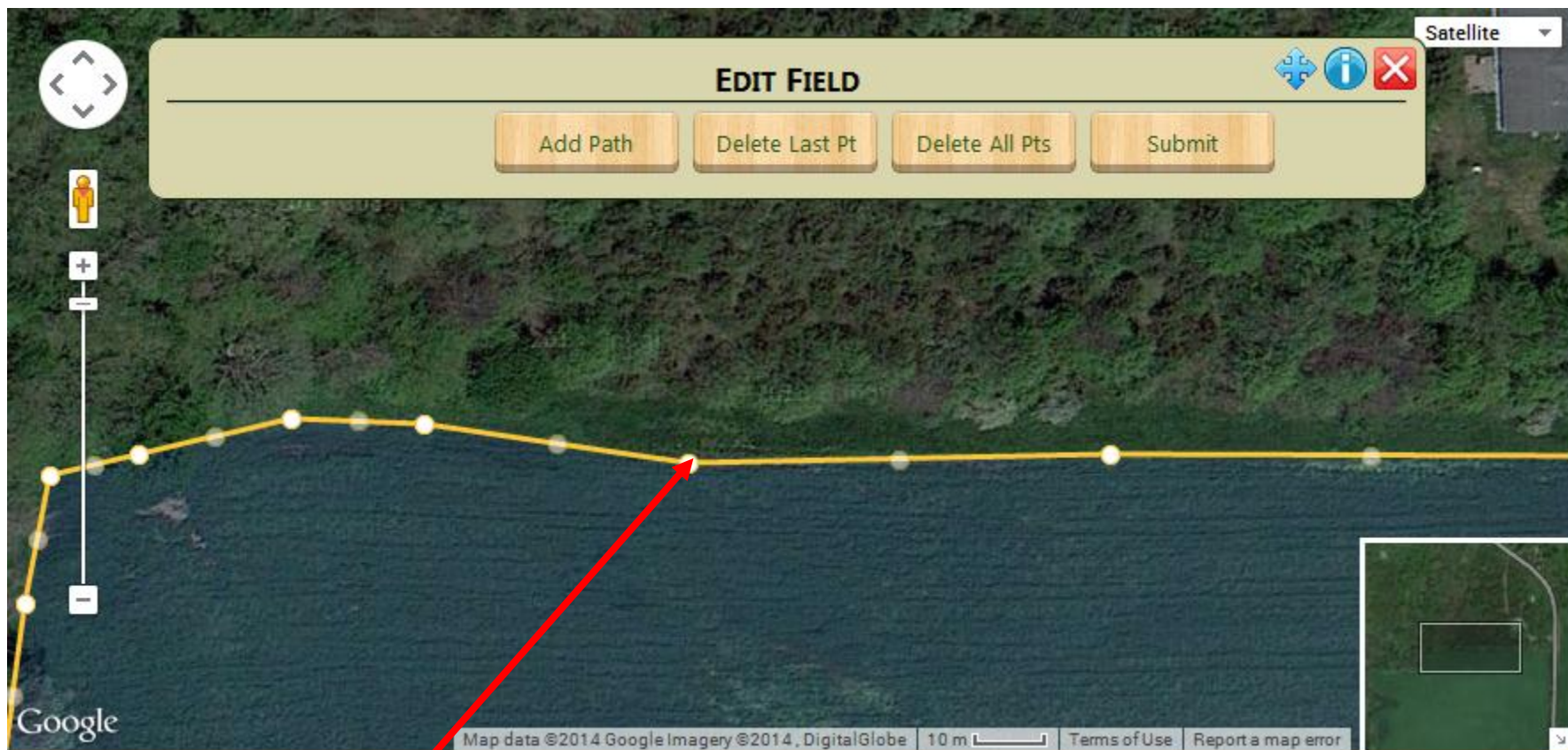
Exit editor without making changes.



Undo the last point you made (can repeat to undo more than one point).

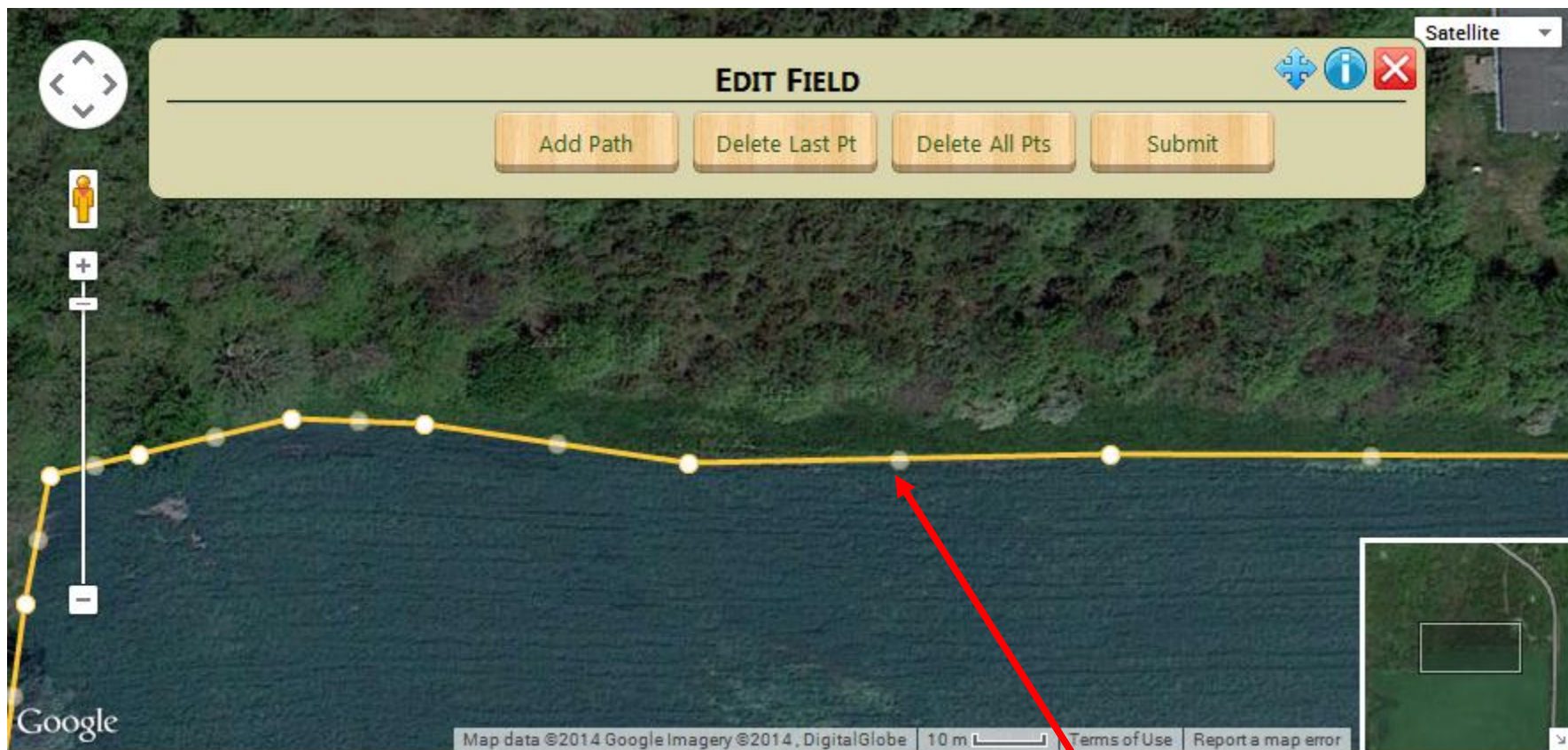
You can also delete points by clicking on them.

Editing Existing Fields: Some other details.



Bright white dots can be moved for editing.

Editing Existing Fields: Some other details.



**Shaded white dots can be moved for editing.
Moving them adds editing points (vertices) to the line.**

For more information on NMTracker.

- NMTracker website at nmtracker.missouri.edu.
- NMTracker tutorials at <http://nmplanner.missouri.edu/software/nmtracker.asp>.
- For information on program development contact [John Lory](#).
- For information on software implementation contact [Kevin Atherton](#)
- Other Nutrient Management resources at nmplanner.missouri.edu.