




Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls – Riverville – Gladstone 138 kV Transmission Line Component of the Project.

- ▲ Existing AEP Substation
- Alternative Routes
- Existing AEP Transmission Line (115-230 kV)
- Existing AEP Transmission Line (345 kV +)
- Stream (NHD)
- Right-of-Way (100')
- Map Title
- ▭ Substation Fence
- Index Contour
- Intermediate Contour




 NAD 1983 StatePlane Virginia South FIPS 4502 Feet
 Lambert Conformal Conic
 North American 1983
 Amherst, Appomattox, Campbell, & Nelson Counties, Virginia
 0 100 200 400
 Feet
 1" = 200'
 Map 21 of 53

Desktop Wetland and Stream Delineation
 Component 1: Joshua Falls-Riverville
 138 kV Transmission Line

 #APPPOWER #WETLANDS #STREAMS
 Date: 12/22/2020
 Imagery Layer Credit: Google Earth
 Project: 15 1500_155521



Desktop Wetland and Stream Delineation
 Component 1: Joshua Falls-Riverville
 138 kV Transmission Line

Date: 12/22/2020
 Imagery Layer Credit: [Mapbox](#)
 Project: 15 1500_133521

APPALACHIAN POWER
 #WETLANDS #STREAMS

North Arrow

NAD 1983 StatePlane Virginia South FIPS 1402 Feet
 Lambert Conformal Conic
 North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
 Feet

1" = 200'

Map 24 of 53

Legend

- Alternative Routes
- Stream (NHD)
- Right-of-Way (100')
- Map Title
- Index Contour
- Intermediate Contour



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.



Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

APPALACHIAN POWER
#WETLANDS #STREAMS

Date: 12/22/2020
Map Scale: 1" = 200'
Project: 15.5303.135921

North Arrow

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

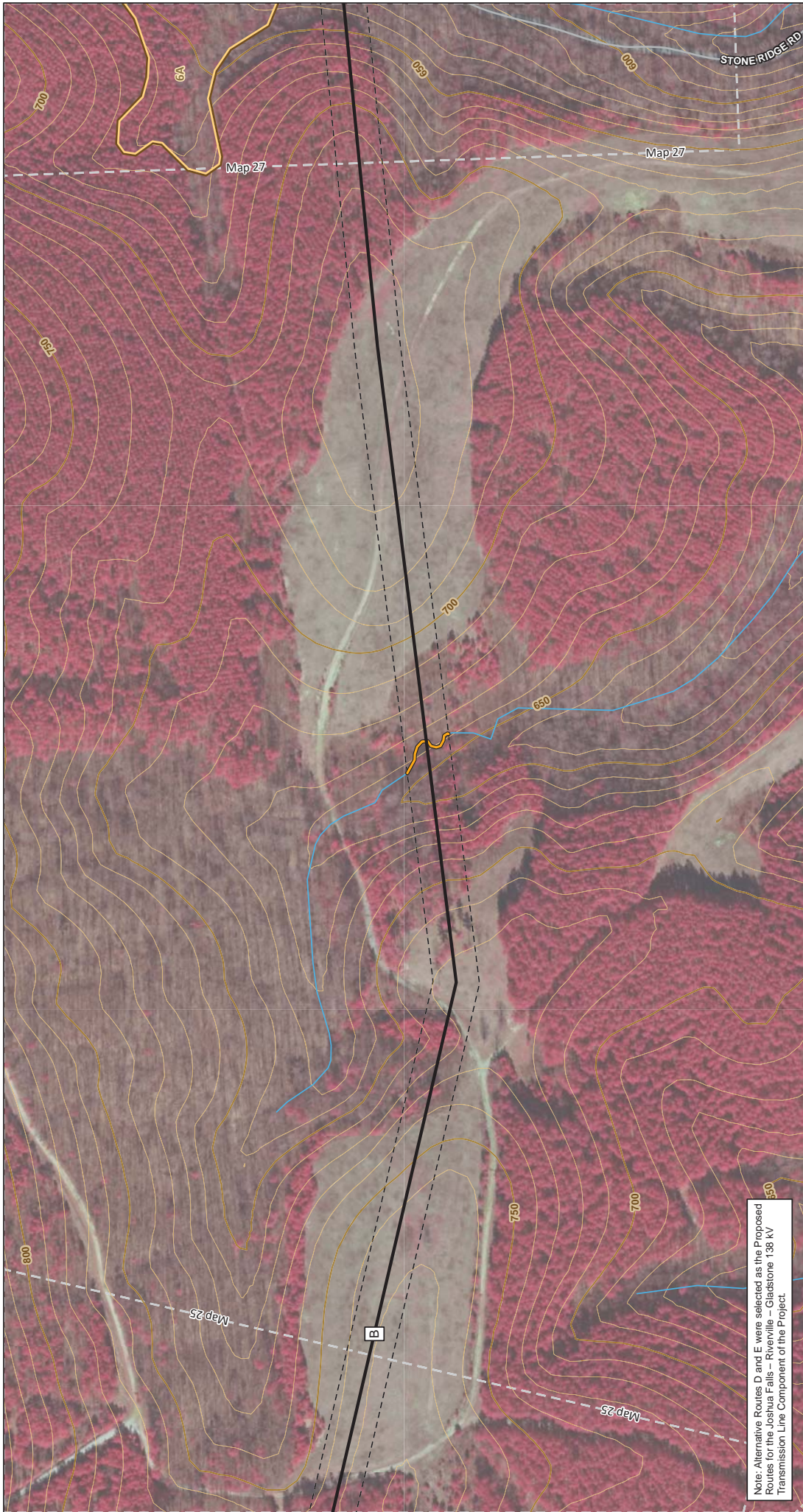
0 100 200 400 Feet

1" = 200' Map 25 of 53

	Alternative Routes		Right-of-Way (100')		Index Contour
	High Probability Stream		Map Title		Intermediate Contour
	Stream (NHD)		Hydric Inclusion Soils		



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.

- Alternative Routes
- High Probability Stream
- Road/Highway
- Stream (NHD)
- Right-of-Way (100')
- Map Title
- Hydric Inclusion Soils
- Index Contour
- Intermediate Contour



Desktop Wetland and Stream Delineation
 Component 1: Joshua Falls-Riverville
 138 kV Transmission Line

APPALACHIAN POWER
 #GOINGGREEN #WETLANDS #STREAMS

Date: 12/22/2020
 Imagery Layer Credit: Google Earth
 Project: 15.1503.133521

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
 Lambert Conformal Conic
 North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
 Feet

1" = 200' Map 26 of 53



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.

- Alternative Routes
- High Probability Stream
- Road/Highway
- Stream (NHD)
- Right-of-Way (100')
- Map Title
- Hydric Inclusion Soils
- Index Contour
- Intermediate Contour



Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

Date: 12/22/2020
 Imagery Layer Credit: [Mapbox](#)
 Project: 15.5303.135521

APPALACHIAN POWER
 #GOINGLESS THE FIGHT

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
 Lambert Conformal Conic
 North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
 Feet

1" = 200'

Map 27 of 53



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls – Riverville – Gladstone 138 kV Transmission Line Component of the Project.

- Alternative Routes
- Road/Highway
- Stream (NHD)
- Right-of-Way (100')
- Intermediate Contour
- Map Tile
- Index Contour



NAD 1983 StatePlane Virginia South FIPS 1402 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia



1" = 200'

Map 28 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line



Date: 12/2/2020
Imagery Layer Credit: Google Earth
Project: 15 5303_135921
#GANDLESSTHEGUY
APPALACHIAN POWER



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.

- Alternative Routes
- Right-of-Way (100')
- Map Tile
- Index Contour
- Intermediate Contour



NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia



1" = 200'

Map 29 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line



Date: 12/2/2020
Imagery Layer Credit: [Mapbox](#)
Project: 15.0300.135921
C:\Users\jg\OneDrive\Documents\15.0300.135921\15.0300.135921_120201081015\JoshuaFallsDelineation.mxd



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.



- Alternative Routes
- High Probability Stream
- Road/Highway
- Stream (NHD)
- Wetland Probability - LOW
- Right-of-Way (100')
- Map Tile
- Hydric Inclusion Soils
- Index Contour
- Intermediate Contour



NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia



1" = 200'

Map 31 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line



Date: 12/20/2020
Map Scale: 1" = 200'
Project: 15-5300_138K21



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.

- Alternative Routes
- High Probability Stream
- Low Probability Stream
- Road/Highway
- Stream (NHD)
- Wetland Probability - LOW
- Right-of-Way (100')
- Map Tile
- Hydric Inclusion Soils
- Index Contour
- Intermediate Contour



Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

Date: 12/22/2020
Imagery Layer Credit: [Mapbox](#)
Project: 15.0303.133521

APPALACHIAN POWER
#GOINGLESS THE RIGHT WAY

North Arrow

Scale: 1" = 200'

0 100 200 400 Feet

Map 32 of 53

WAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.

- Alternative Routes
- High Probability Stream
- Stream (NHD)
- Right-of-Way (100')
- Map Title
- DOF Easement
- Index Contour
- Intermediate Contour



NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia



1" = 200'

Map 33 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line



Date: 12/2/2020
Project: 15-1500_138K21
#GONFLESS THE FIGHT
Imagery Layer Credit: Aerial Imagery © 2020



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.

Desktop Wetland and Stream Delineation
 Component 1: Joshua Falls-Riverville
 138 kV Transmission Line

APPALACHIAN POWER
 #FOUNDED1858 #UNDEFEATED1969

Date: 12/22/2020
 Imagery Layer Credit: Google Earth
 Project: 15 5303_153521

WAD 1983 StatePlane Virginia South FIPS 4502 Feet
 Lambert Conformal Conic
 North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
 Feet

1" = 200'

Map 34 of 53

Alternative Routes	Wetland Probability - LOW	Hydric Inclusion Soils
High Probability Stream	Right-of-Way (100')	Index Contour
Road/Highway	Map Title	Intermediate Contour
Stream (NHD)	DOF Easement	





Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.

- Alternative Routes
- High Probability Stream
- Road/Highway

- Stream (NHD)
- Right-of-Way (100')
- Map Title

- Hydric Inclusion Soils
- Index Contour
- Intermediate Contour



NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia



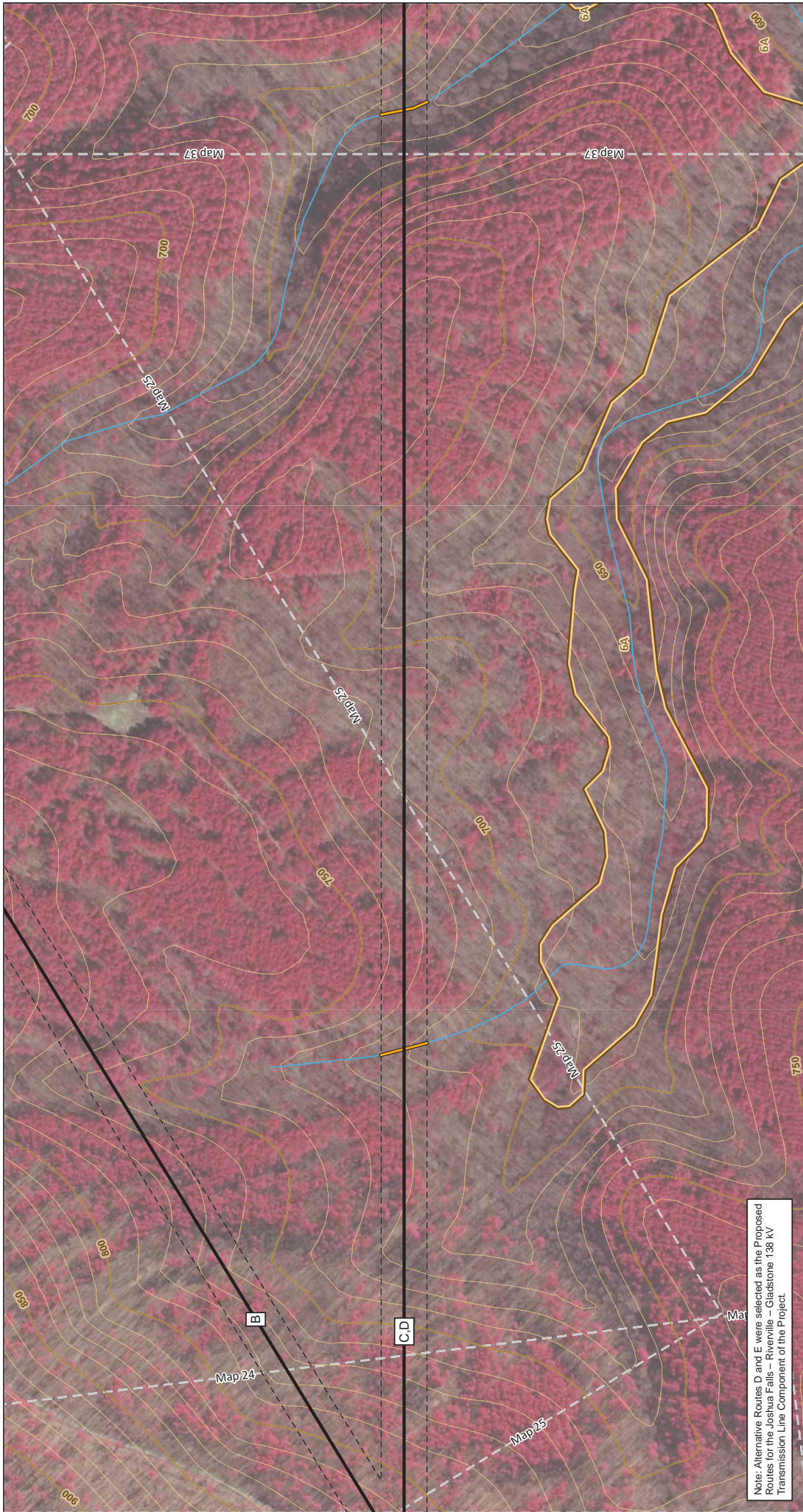
1" = 200' Map 35 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

Date: 12/22/2020
Imagery Layer Credit: Aerial
Project: 15 5303_135521
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Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.



- Alternative Routes
- High Probability Stream
- Stream (NHD)
- Right-of-Way (100')
- Map Title
- Hydric Inclusion Soils
- Index Contour
- Intermediate Contour



NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia



1" = 200'

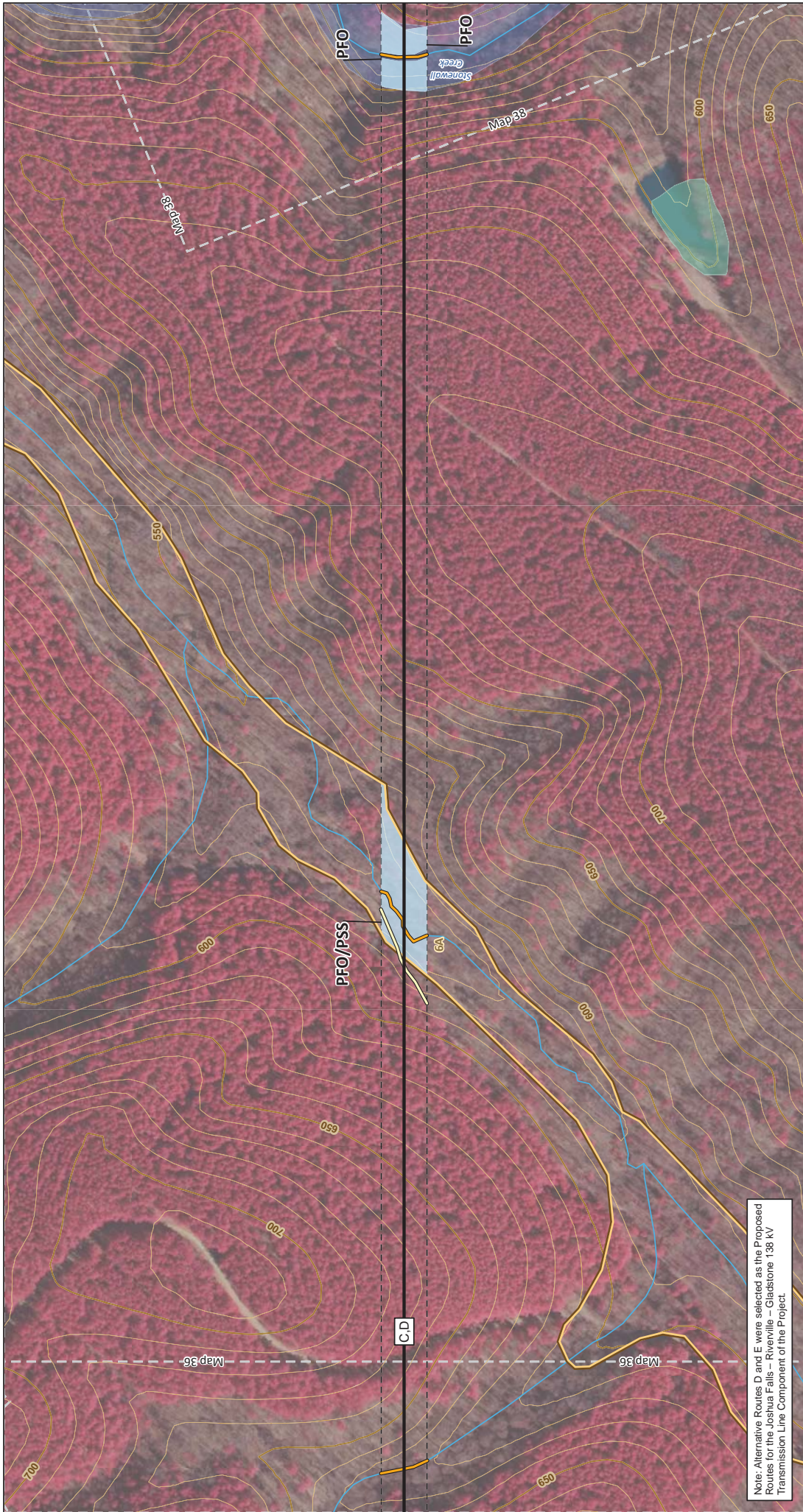
Map 36 of 53

Desktop Wetland and Stream Delineation

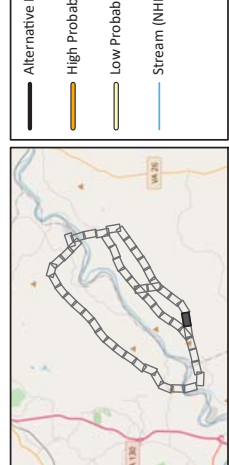
Component 1: Joshua Falls-Riverville
138 kV Transmission Line

APPALACHIAN POWER
#GOINGLESSISBETTER

Date: 12/2/2020
Imagery Layer Credit: [Mapbox](#)
Project: 15 1500_155521



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.



- | | | |
|-------------------------|---------------------------|------------------------|
| Alternative Routes | Wetland Probability - LOW | Map Tile |
| High Probability Stream | Wetlands (NWI) | Hydric Inclusion Soils |
| Low Probability Stream | 100-year Floodplain | Index Contour |
| Stream (NHD) | Right-of-Way (100') | Intermediate Contour |

N

Map 37 of 53

1" = 200'

0 100 200 400 Feet

NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

APPALACHIAN POWER
#GOINGLESSISFINEGP™

Date: 12/22/2020
Imagery Layer Credit: [Mapbox](#)
Project: 15 5303_138K21



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.



- Alternative Routes
- Stream (NHD)
- High Probability Stream
- Road/Highway
- Wetland Probability - LOW
- 100-year Floodplain
- Right-of-Way (100')
- Map Tile
- Index Contour
- Intermediate Contour



NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia



1" = 200'

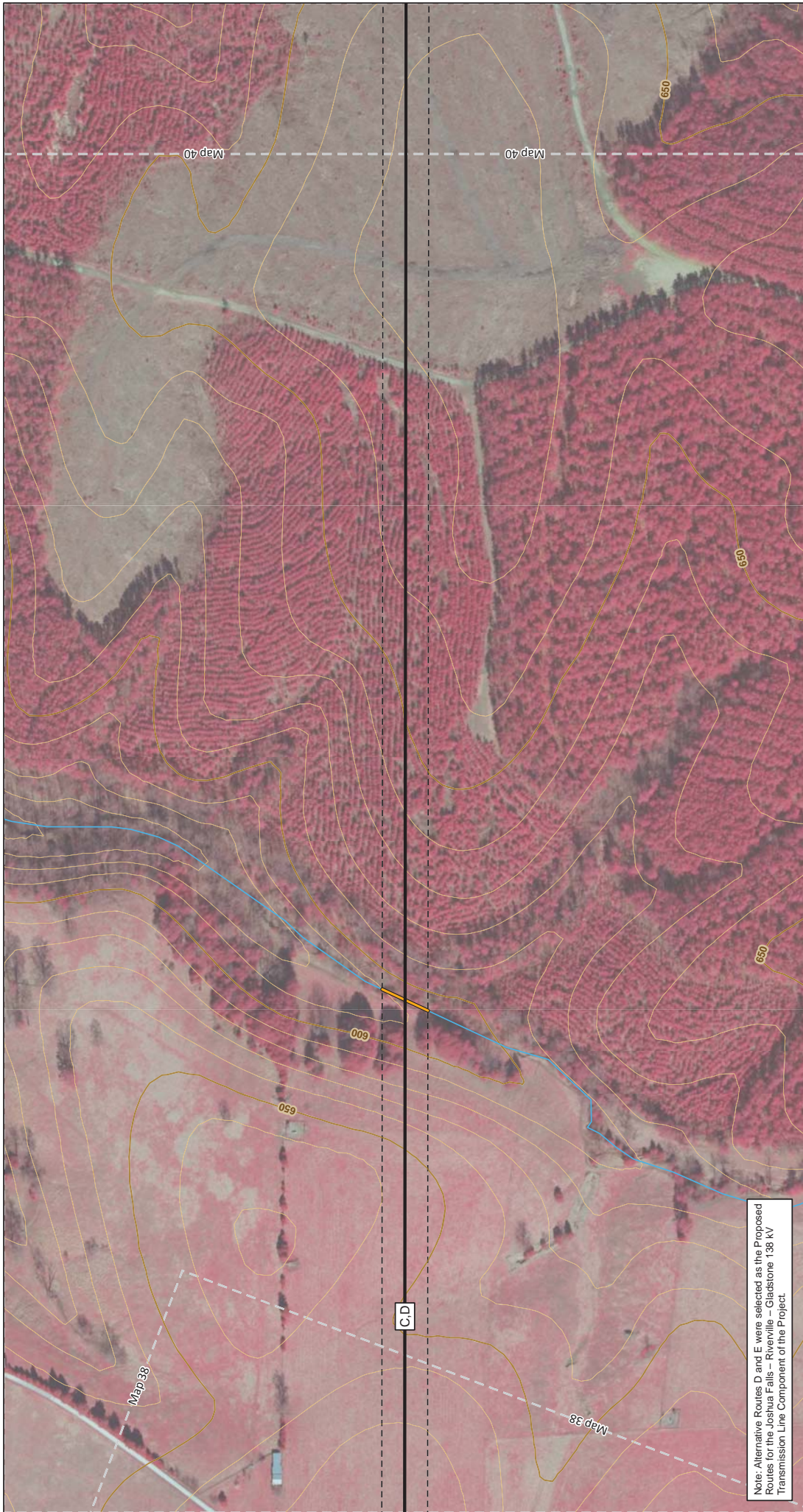
Map 38 of 53

Desktop Wetland and Stream Delineation

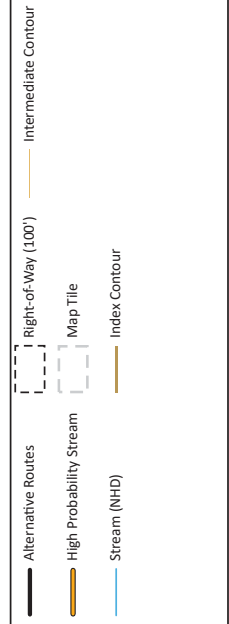
Component 1: Joshua Falls-Riverville
138 kV Transmission Line




Date: 12/2/2020
Imagery Layer Credit: [Aerial Imagery](#)
Project: 15 5303_133521
C:\Users\jw\OneDrive\Documents\15 5303_133521.aprx



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls – Riverville – Gladstone 138 kV Transmission Line Component of the Project.



 NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

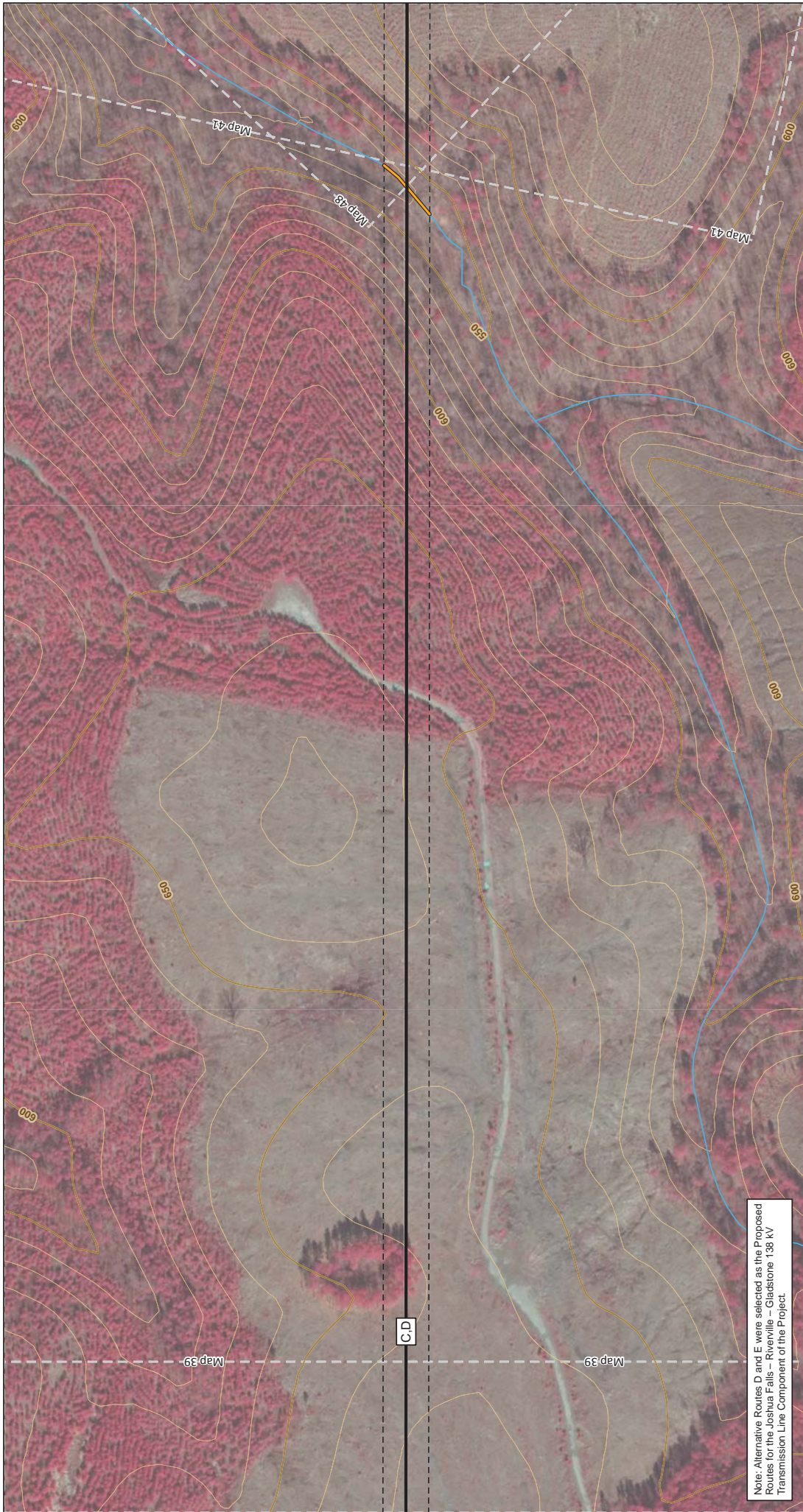
1" = 200' Map 39 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

 APPALACHIAN POWER
#FOUNDED1862 #WEAREPOWER

Date: 12/22/2020
Imagery Layer Credit: [Mapbox](#)
Project: 15 5300_135921
C:\Users\jgibson\OneDrive\Documents\15 5300_135921.aprx



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.

- Alternative Routes
- High Probability Stream
- Stream (NHD)
- Right-of-Way (100')
- Map Tile
- Index Contour
- Intermediate Contour



North Arrow

0 100 200 400 Feet

1" = 200'

Map 40 of 53

WAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

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Date: 12/2/2020
Imagery Layer Credit: [Aerial Imagery](#)
Project: 15 5303_138K21



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls – Riverville – Gladstone 138 kV Transmission Line Component of the Project.

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line



APPALACHIAN POWER
Member of the Duke Energy Family of Companies
#FOUNDEDIN1946

1" = 200'

0 100 200 400 Feet

Map 41 of 53

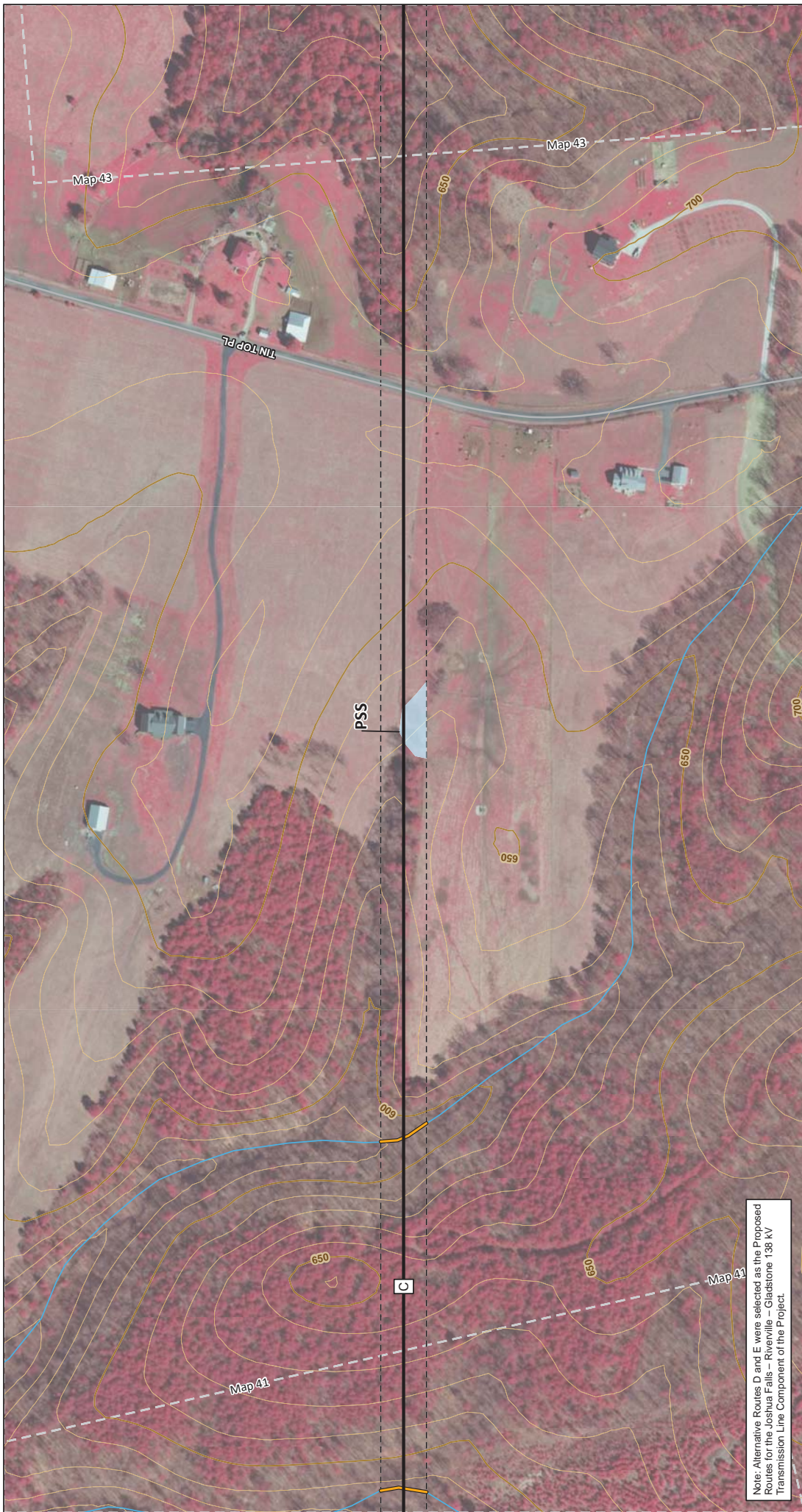
1983 State Plane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

Date: 12/22/2020
Image Layer Credits: ESRI
Project: 15 5303_135821

<ul style="list-style-type: none"> Alternative Routes High Probability Stream Low Probability Stream 	<ul style="list-style-type: none"> Stream (NHD) Right-of-Way (100') Map Title 	<ul style="list-style-type: none"> Hydric Inclusion Soils Index Contour Intermediate Contour
---	--	---





Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls – Riverville – Gladstone 138 kV Transmission Line Component of the Project.

- Alternative Routes
- High Probability Stream
- Road/Highway
- Stream (NHD)
- Wetland Probability - LOW
- Right-of-Way (100')
- Map Tile
- Index Contour
- Intermediate Contour



Desktop Wetland and Stream Delineation
 Component 1: Joshua Falls-Riverville
 138 kV Transmission Line

Date: 12/20/2020
 Imagery Layer Credit: Google Earth
 Project: 15.5303.133521

APPALACHIAN POWER
 #GOINGLESS THE RIGHT

North Arrow

Scale: 1" = 200'

0 100 200 400 Feet

Map 42 of 53

WAD 1983 StatePlane Virginia South FIPS 4502 Feet
 Lambert Conformal Conic
 North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.

	Alternative Routes		Stream (NHD)		Map Tile
	High Probability Stream		Wetland Probability - LOW		Hydric Inclusion Soils
	Moderate Probability Stream		Right-of-Way (100')		Index Contour
					Intermediate Contour



NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia

0 100 200 400
Feet

1" = 200'

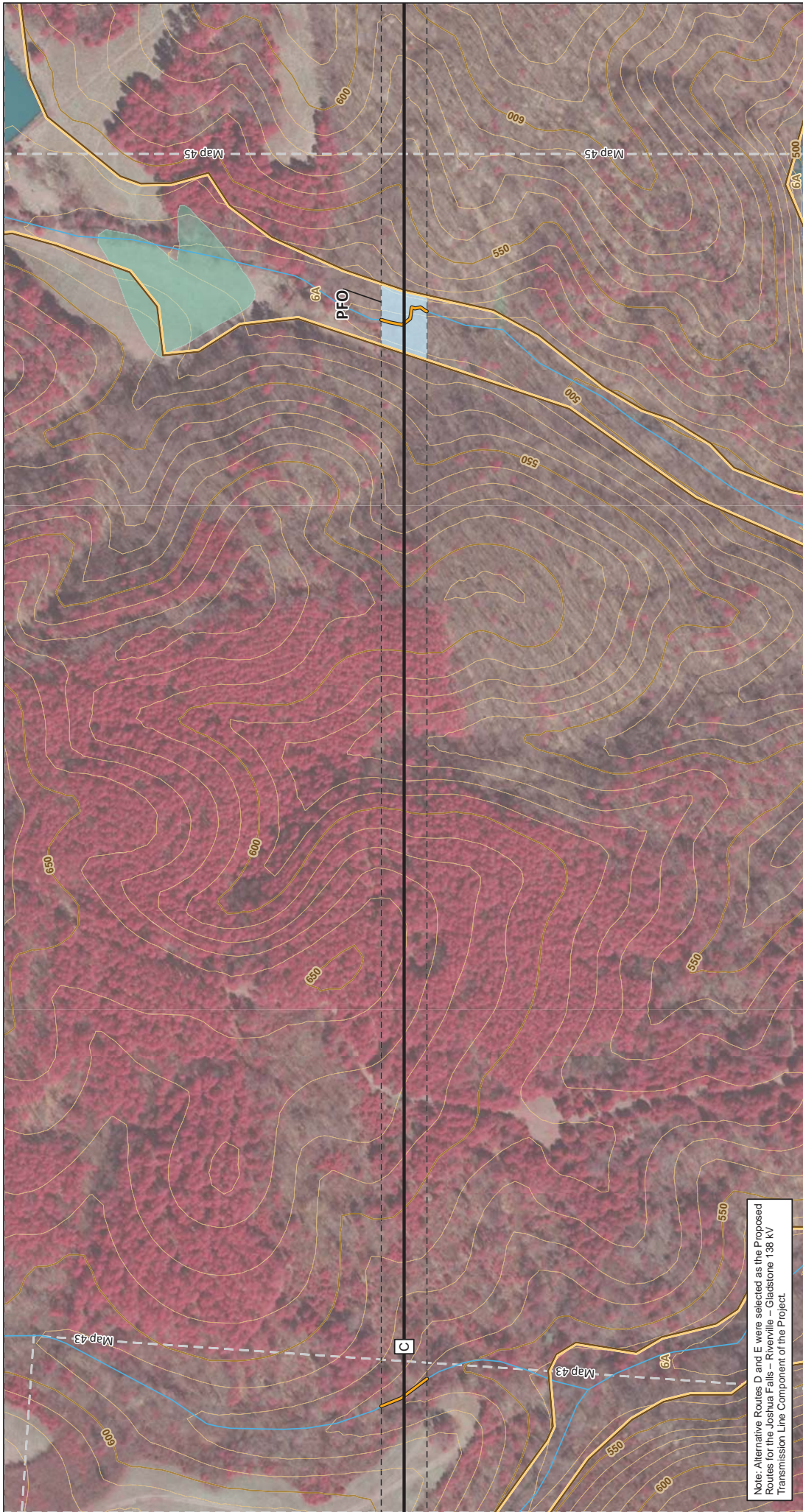
Map 43 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line

APPALACHIAN POWER
#GOINGGREEN #ENERGYFORALL

Date: 12/20/2020
Image Layer Credit: Mapbox
Project: 15.5303.133521



Note: Alternative Routes D and E were selected as the Proposed Routes for the Joshua Falls - Riverville - Gladstone 138 kV Transmission Line Component of the Project.



- Alternative Routes
- High Probability Stream
- Stream (NHD)
- Wetland Probability - LOW
- Wetlands (NWI)
- 100-year Floodplain
- Right-of-Way (100')
- Map Tile
- Hydric Inclusion Soils
- Index Contour
- Intermediate Contour



NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Lambert Conformal Conic
North American 1983

Amherst, Appomattox, Campbell, & Nelson Counties, Virginia



1" = 200'

Map 44 of 53

Desktop Wetland and Stream Delineation

Component 1: Joshua Falls-Riverville
138 kV Transmission Line



Date: 12/22/2020
Image Layer Credits:
Aerial Imagery: ESRI
Project: 15 5300_133521
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