Appendix A
Maps

for
DRAFT
ENVIRONMENTAL ASSESSMENT

Dakota Access Pipeline Project
Crossings of Federal Projects and Flowage Easements

DRAFT

Prepared by:

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St. Louis District
1222 Spruce Street
St. Louis, MO 63103

August 2016

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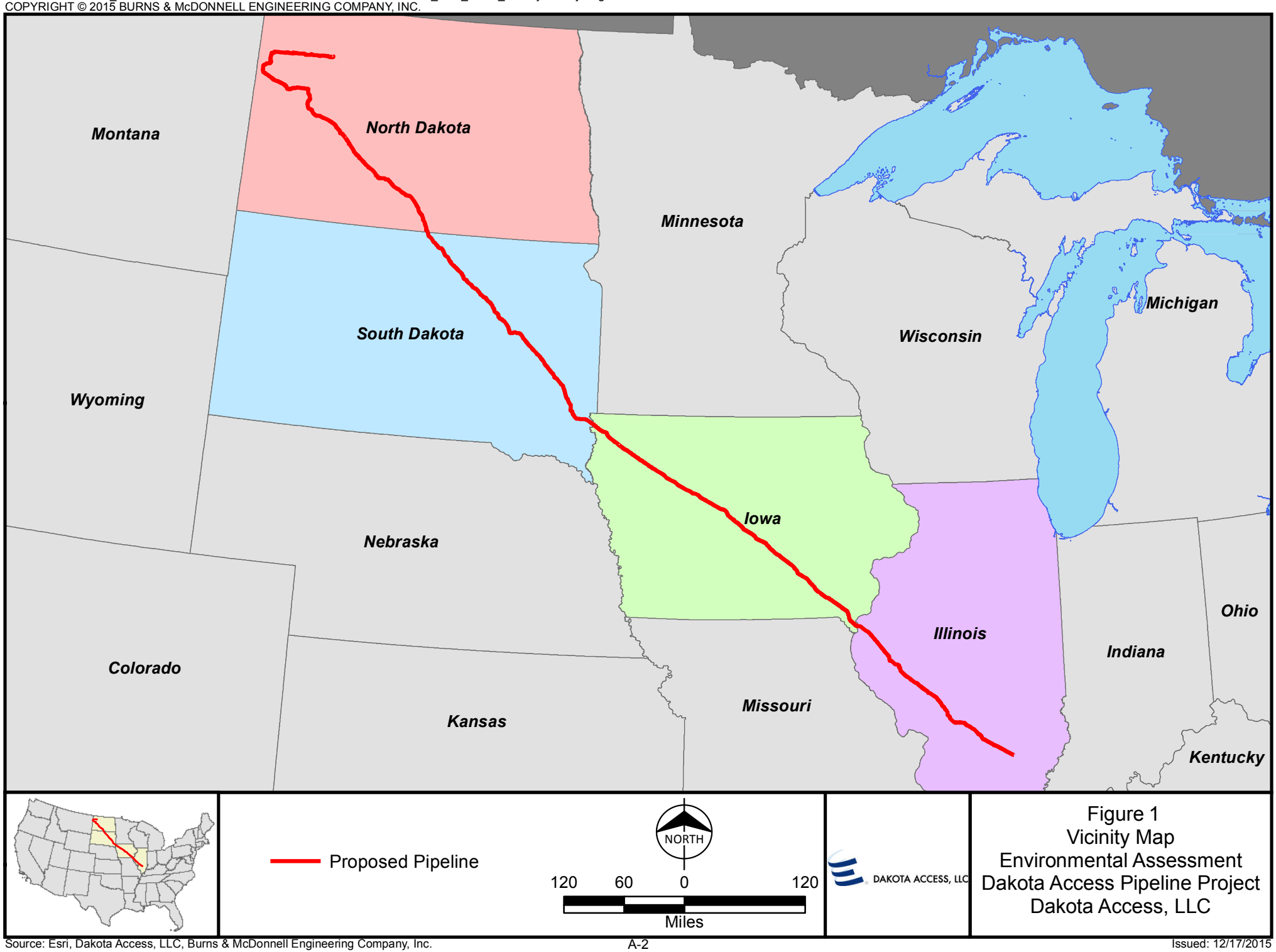
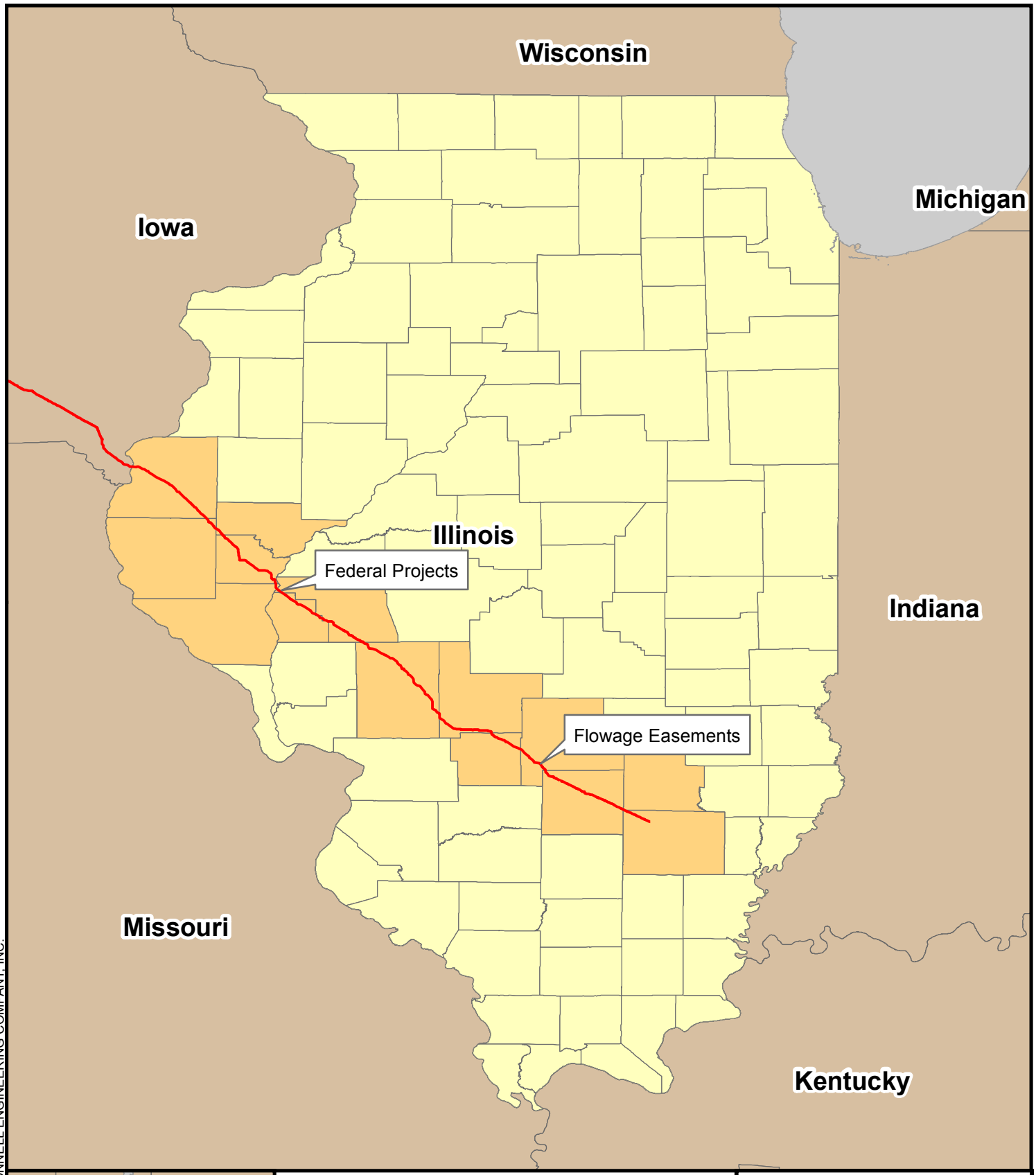
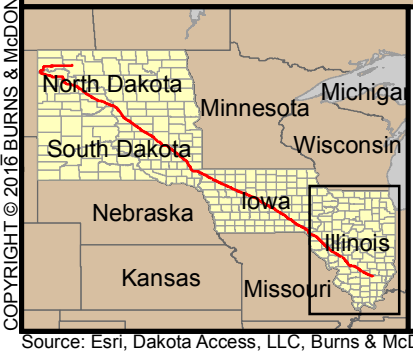


Figure 1
Vicinity Map
Environmental Assessment
Dakota Access Pipeline Project
Dakota Access, LLC

Source: Esri, Dakota Access, LLC, Burns & McDonnell Engineering Company, Inc.

Issued: 12/17/2015





Proposed DAPL Centerline

0 50 Miles

DAKOTA ACCESS, LLC

Dakota Access Pipeline Project
Figure 2
Project Location
Federal Projects and
Flowage Easements

	1:3,168,000
UTM83-16N	Date: March, 2016

Service Layer Credits:
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Source: Esri, Dakota Access, LLC, Burns & McDonnell Engineering Company, Inc.

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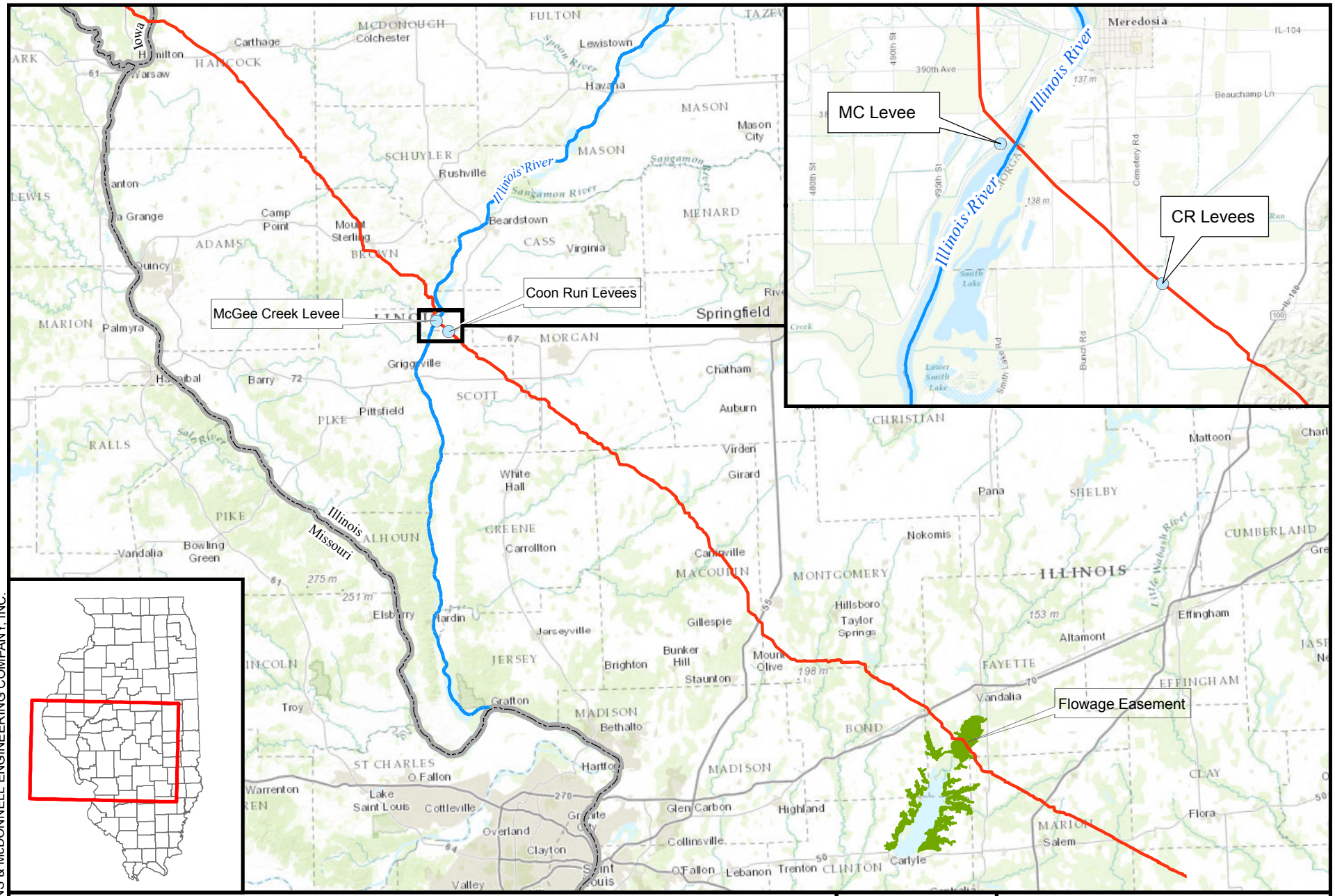

Figure 3
Dakota Access Pipeline Project
Project Location
Federal Projects and
Flowage Easements

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Source: Esri; USGS-NHD; Dakota Access, LLC.; and Burns & McDonnell Engineering, Inc.

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- Milepost
- Access Road
- Levee
- Project Centerline
- DAPL Centerline
- Navigable Channel
- Workspace

0 1,750 Feet

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Dakota Access Pipeline Project
Figure 4-2a
Project Layout
Federal Projects
Pike and Morgan Counties, Illinois

	1:21,000
UTM 83-15N	Date: March, 2016

Source: ESRI and Burns & McDonnell Engineering Company, Inc.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
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- Milepost
- Access Road
- Levee
- Project Centerline
- DAPL Centerline
- Workspace

0 1,750 Feet

DAKOTA ACCESS, LLC

Dakota Access Pipeline Project
Figure 4-2b
Project Layout
Federal Projects
Morgan and Scott Counties, Illinois

	1:21,000
UTM 83-15N	Date: March, 2016

Source: ESRI and Burns & McDonnell Engineering Company, Inc.

Issued: 3/22/2016

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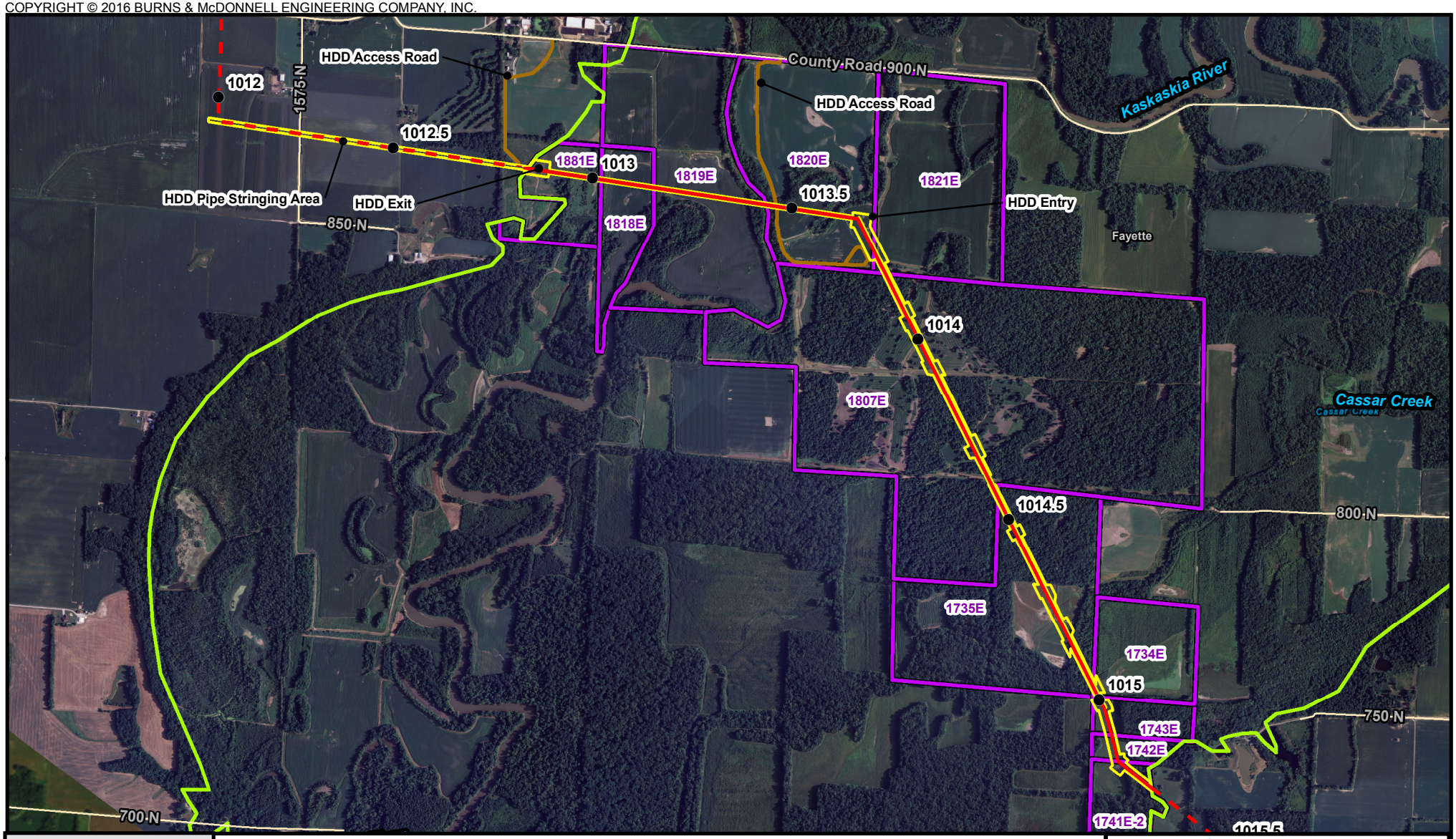

- Milepost
- Access Roads
- Project Centerline
- DAPL Centerline
- Workspace
- USACE Flowage Easement
- Carlyle Lake Flowage Easements

0 1,800 Feet

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Dakota Access Pipeline Project
Figure 4-2c
Project Layout
Flowage Easements
Fayette County, Illinois

	1:21,600
UTM83-16N	Date: March, 2016

Source: Esri, Dakota Access, LLC, Burns & McDonnell Engineering Company, Inc.

Service Layer Credits:
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- Milepost
- Access Road
- Workspace
- Levee
- Project Centerline
- DAPL Centerline
- Navigable Channel
- NRCS Soil

Soil Series Key:
201063 - Water
201334 - Titus silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
201954 - Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded
201955 - Darwin silty clay loam, 0 to 2 percent slopes, occasionally flooded
201973 - Titus silty clay, 0 to 2 percent slopes, occasionally flooded
1672125 - Hartsburg silt clay loam, 0 t o2 percent slopes
1672147 - Beaucoup silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded, long duration
1672167 - Plainfield sand 1 to 7 percent slopes
1672168 - Plainfield sand 7 to 15 percent slopes
1672170 - Sparta loamy sand, loamy substratum, 0 t o2 percent slopes
1672175 - Ross silt loam, 0 to 2 percent slopes, frequently flooded
1672180 - Sparta loamy sand, 1 to 6 percent slopes
1627189 - Water

0 1,750 Feet

DAKOTA ACCESS, LLC

Dakota Access Pipeline Project
Figure 4-3a
Soils
Federal Projects
Pike and Morgan Counties, Illinois

1:21,000
UTM 83-15N
Date: March, 2016

Source: ESRI and Burns & McDonnell Engineering Company, Inc.

Issued: 3/14/2016

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
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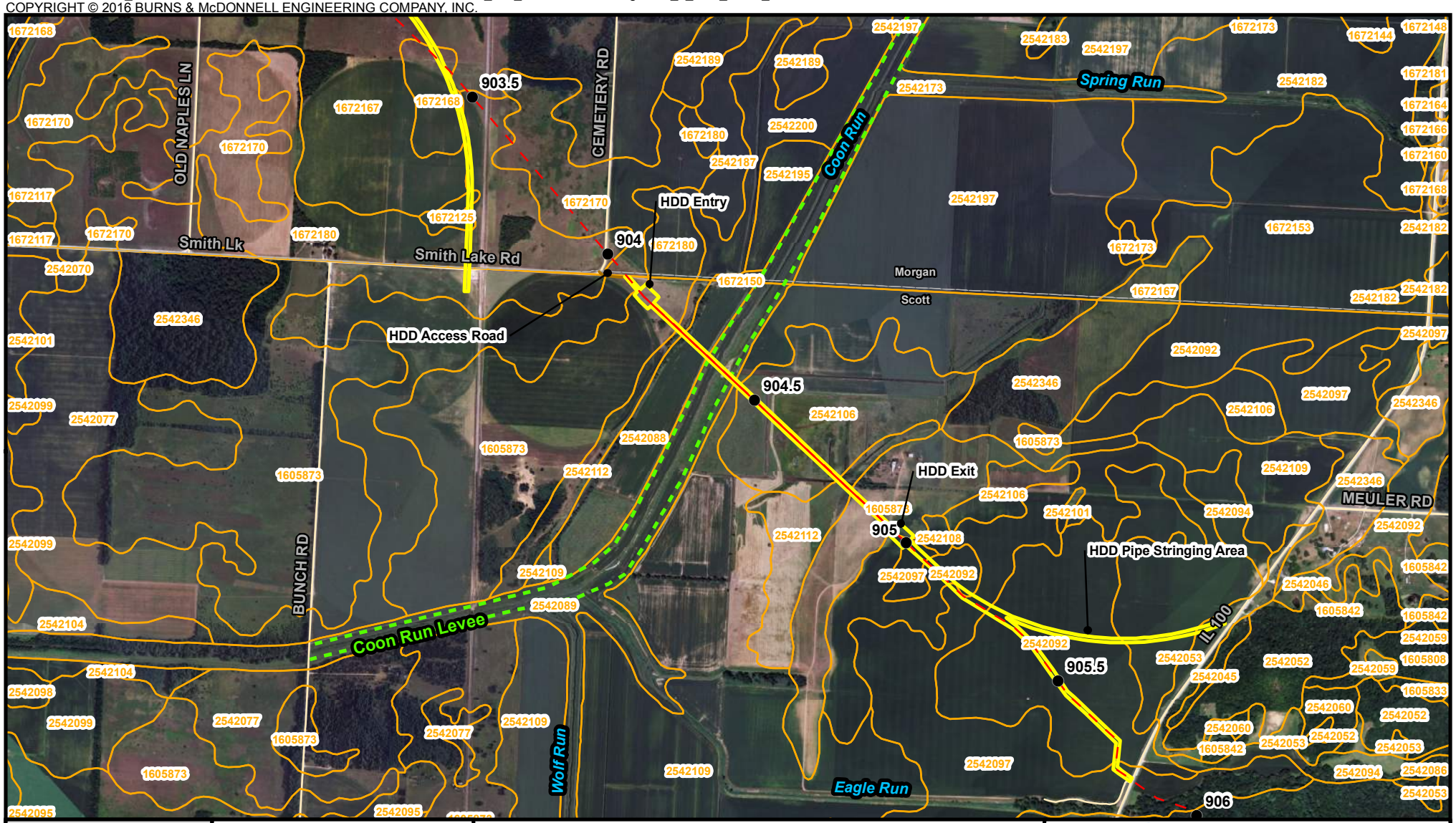

- Milepost
- Access Road
- Levee
- Project Centerline
- DAPL Centerline
- NRCS Soil
- Workspace

Soil Series Key:
1605873 - Sable silty clay loam, 0 to 2 percent slopes
1672125 - Hartsburg silt clay loam, 0 t o2 percent slopes
1672167 - Plainfield sand 1 to 7 percent slopes
1672168 - Plainfield sand 7 to 15 percent slopes
1672180 - Sparta loamy sand, 1 to 6 percent slopes
2542077 - Sparta loamy sand, loamy substratum, 0 to 2 percent slopes
2542088 - Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
2542089 - Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, long duration
2542092 - Worthen silt loam, 0 to 2 percent slopes, rarely flooded
2542097 - Littleton silt loam, 0 to 2 percent slopes, rarely flooded
2542106 - Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded
2542109 - Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
2542112 - Ambraw clay loam, 0 to 2 percent slopes, occasionally flooded

0 1,750 Feet

DAKOTA ACCESS, LLC

Dakota Access Pipeline Project
Figure 4-3b
Soils
Federal Projects
Morgan and Scott Counties, Illinois

	1:21,000
UTM 83-15N	Date: March, 2016

Source: ESRI and Burns & McDonnell Engineering Company, Inc.

Issued: 3/22/2016

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
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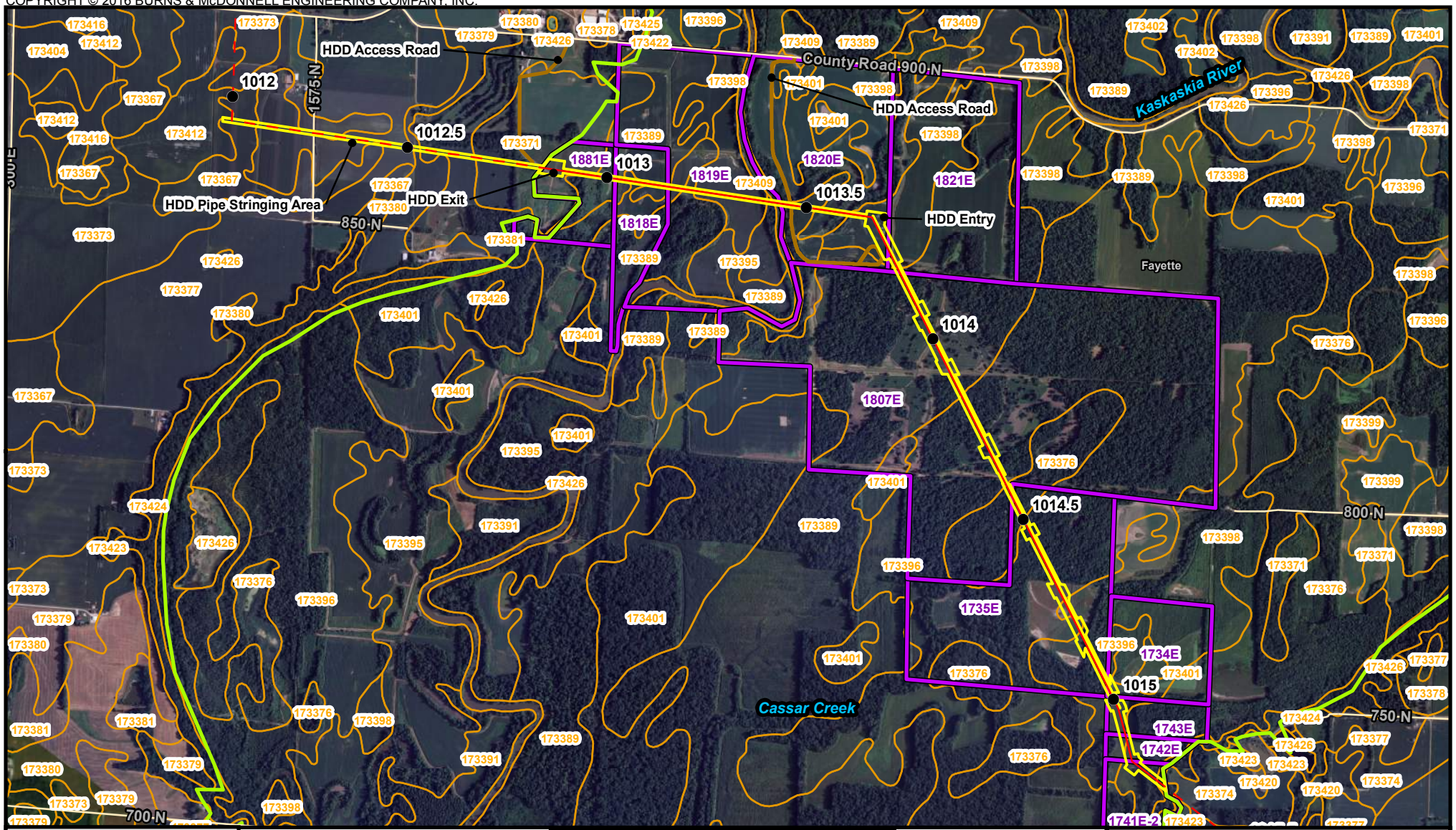

- Milepost
- Access Roads
- Project Centerline
- DAPL Centerline
- Workspace
- USACE Flowage Easements
- Carlyle Lake Flowage Easements
- NRCS Soils

Soil Series Key:
173367 - Wynoose silt loam, 0 to 2 percent slopes
173371 - Camden silt loam, 2 to 5 percent slopes
173376 - Karnak silty clay loam, wet
173377 - Ava silt loam, 2 to 5 percent slopes
173379 - Parke silt loam, 1 to 5 percent slopes
173381 - Parke silt loam, 10 to 15 percent slopes, eroded
173389 - Beaucoup silty clay loam, frequently flooded
173395 - Tice silt loam, frequently flooded
173396 - Petrolia silt loam, frequently flooded
173398 - Wakeland silt loam, frequently flooded
173409 - Raddle silt loam, 0 to 3 percent slopes
173412 - Ebbert silt loam
173424 - Hickory silt loam, 18 to 35 percent slopes
173426 - Water

0 1,800 Feet

N

DAKOTA ACCESS, LLC

Dakota Access Pipeline Project
Figure 4-3c
Soils
Flowage Easements
Fayette County, Illinois

	1:21,600
UTM83-16N	Date: March, 2016

Source: Esri, NRCS - LULC, Dakota Access, LLC, Burns & McDonnell Engineering Company, Inc.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
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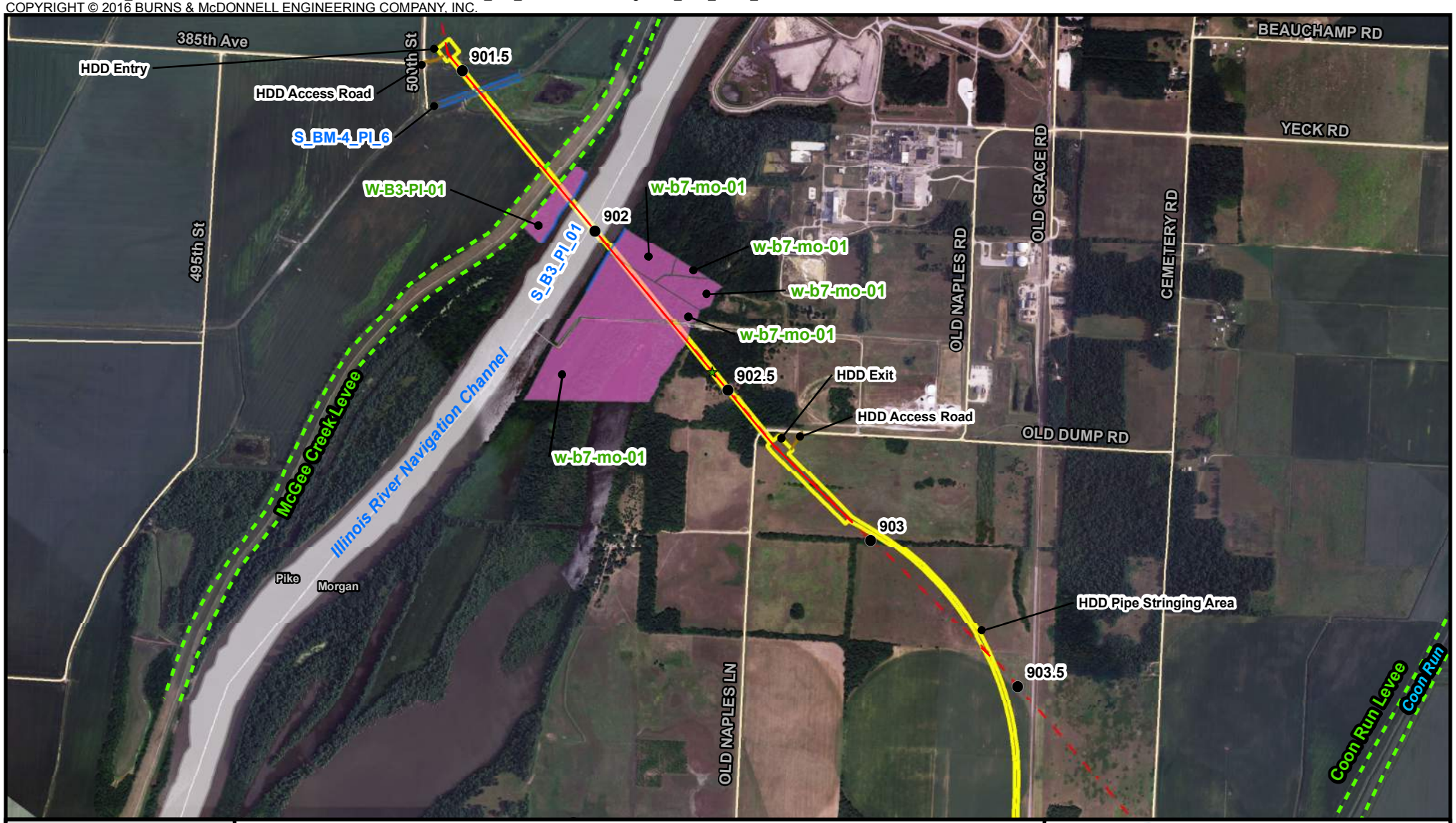

- Milepost
- Potential Roost Tree
- Access Road
- Levee
- Project Centerline
- DAPL Centerline
- Field Delineated PFO Wetland
- Field Delineated Waterbody
- Workspace
- Navigable Channel

0 1,900 Feet

DAKOTA ACCESS, LLC

Dakota Access Pipeline Project
Figure 4-4a
Natural Resources
Federal Projects
Pike and Morgan Counties, Illinois

	1:21,000
UTM 83-15N	Date: March, 2016

Source: ESRI and Burns & McDonnell Engineering Company, Inc.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
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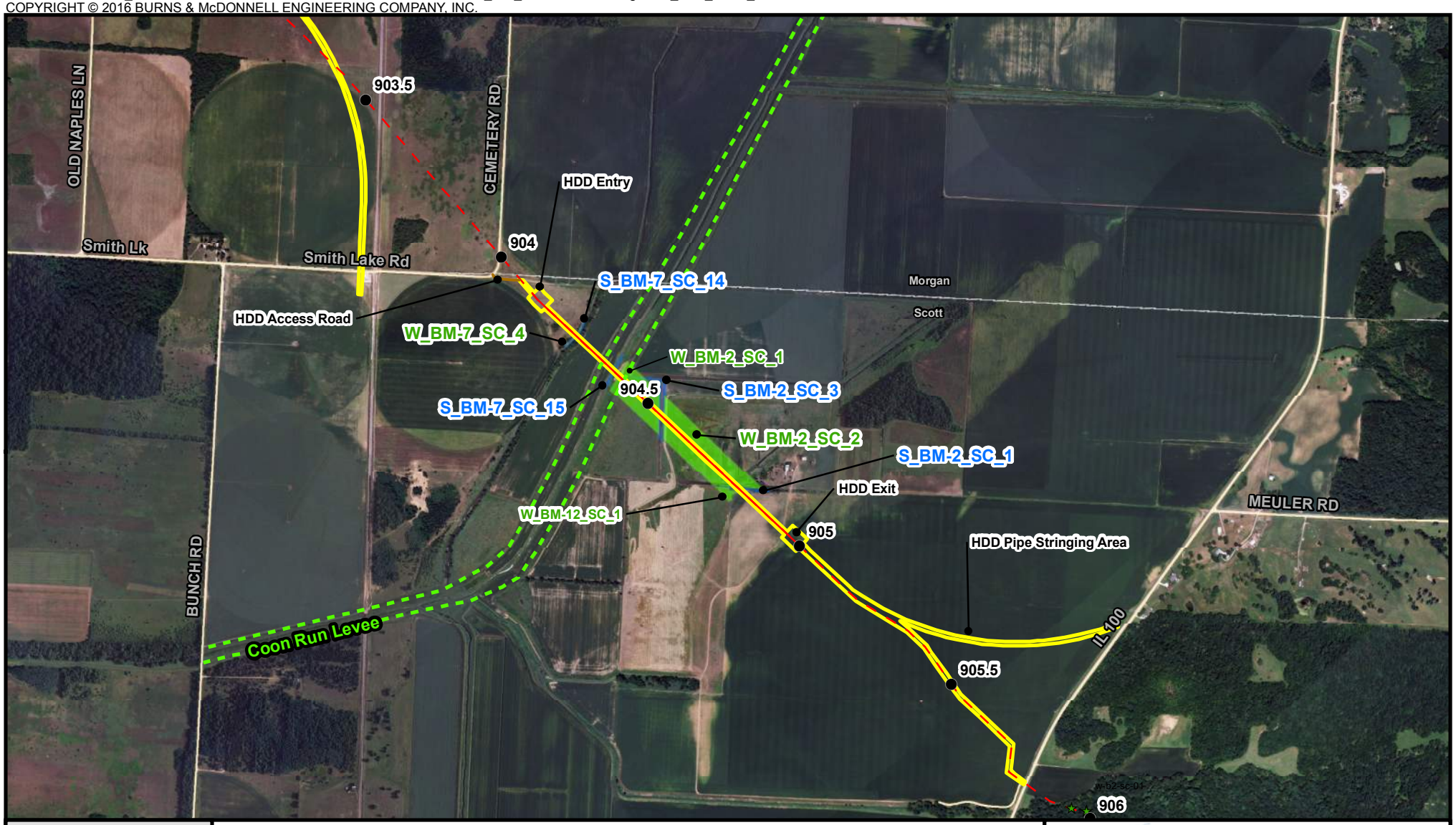

- Milepost
- Potential Roost Tree
- Access Road
- Levee
- Project Centerline
- DAPL Centerline
- Workspace
- Field Delineated PEM Wetland
- Field Delineated Waterbody

0 1,750 Feet

DAKOTA ACCESS, LLC

Dakota Access Pipeline
Project Figure 4-4b
Natural Resources
Federal Projects
Morgan and Scott Counties, Illinois

	1:21,000
UTM 83-15N	Date: March, 2016

Source: ESRI and Burns & McDonnell Engineering Company, Inc.

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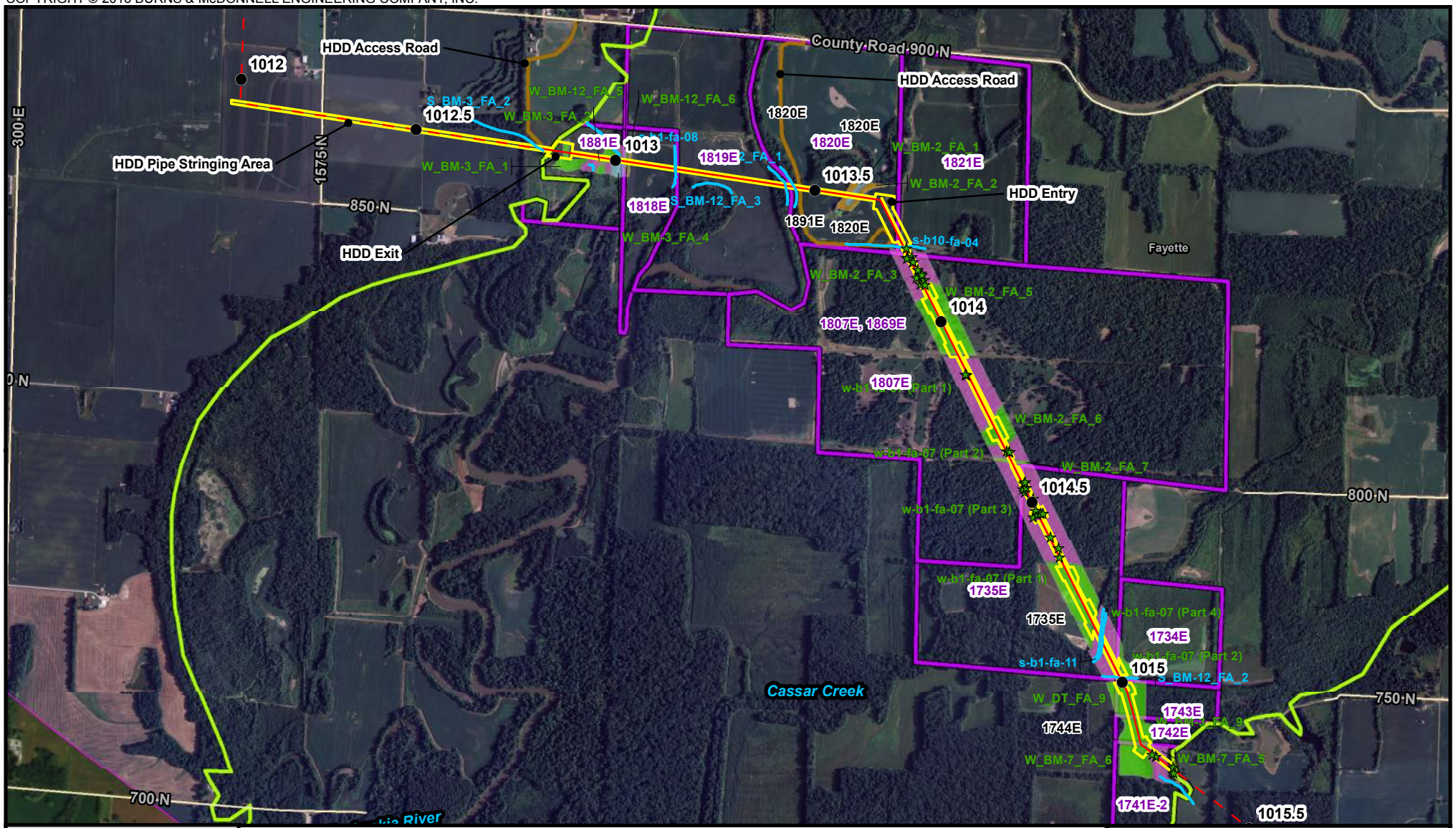

DAKOTA ACCESS, LLC

Dakota Access Pipeline Project
Figure 4-4c
Natural Resources
Flowage Easements
Fayette County, Illinois

	1:21,600
UTM83-16N	Date: March, 2016

Source: Esri, Dakota Access, LLC, Burns & McDonnell Engineering Company, Inc.