



Dick Norton
Mayor

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Green, OH 44232-0278
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Federal Energy Regulatory Commission
Attn: Kimberly Bose, Secretary
888 First St. NE, Room 1A
Washington, DC 20426

March 23, 2015

Re: Proposed Nexus Pipeline- Alternative Re-route

On behalf of the citizens of Green, the City is requesting FERC (and Spectra Energy) to consider and support the attached alternative route for the proposed Nexus Pipeline.

We make this request based upon the principles of minimizing the impact of the proposed pipeline to both the human and the environmental features. There are clearly several concerns with the current proposed route that we are trying to bring to light. We are not just trying to push this into another community's backyard.

On February 28, 2015 the City filed a letter on the FERC docket outlining the impact of the currently proposed Nexus route to existing and proposed planned developments in the City of Green. We also identified numerous environmental factors such as wetlands, abandoned mines, dedicated parks & open space areas, proximity to schools and residential structures that are served by on-site water wells and septic systems.

The alternative route attached to this letter follows existing and proposed pipeline corridors where practical thus creating an energy pipeline corridor. We understand this concept has been used in other states and countries. In addition, a land use and wetland analysis was performed on this re-route and the proposed Nexus route. The enclosed analysis clearly demonstrates that the pipeline can be located in the region with significantly less environmental and social impacts by following the proposed re-route.

The City of Green Planning Department staff, in preparing this re-route is not suggesting an absolute, defined alternate route. We submit this information to Spectra Energy and FERC to show the current proposed route was hastily drawn and ill-conceived with no respect to the human and environmental concerns.

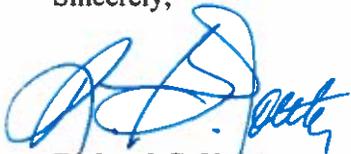
We request that Spectra Energy and the Federal Energy Regulatory Commission (FERC) consider this alternative route. We request that FERC require Spectra Energy to analyze the proposed re-route. The impact to wetlands alone warrants additional study, as Spectra will need an alternative plan to obtain wetland mitigation approval.

We are willing to meet with FERC and/or Spectra Energy to discuss this proposed re-route. The City has been in touch with Brian Hicks of Hicks Partners to set up a meeting to discuss this re-route with Spectra. This meeting date is set for March 31, 2015.

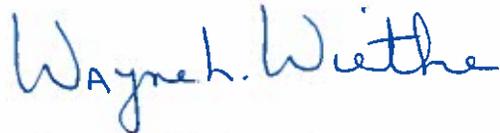
Please feel free to contact either of us to discuss.

*Enclosures(3): Proposed re-route-overall
34 Detail Sheets of proposed re-route
Land use & wetland analysis*

Sincerely,



Richard G. Norton
Mayor – City of Green
dnorton@cityofgreen.org
(330)896-6602



Wayne L. Wiethe, AICP
Director of Planning
wwiethe@cityofgreen.org
(330)896-6614

cc: *Sherrod Brown, U.S. Senator
Rob Portman, U.S. Senator
Jim Renacci, Congressman
John Kasich, Governor
Frank LaRose, Ohio State Senator
Anthony DeVitis, Ohio State Representative
Russ Pry, Summit County Executive
John Sheridan, Director of State Gov Affairs Spectra Energy
Brian Hicks, Hicks Partners
David Slater, Executive Vice President-Gas Storage & Pipeline*

Alternate Route for Proposed Nexus Pipeline

	Nexus Route Jan 2015
	Alternate Route
	Parallel Columbia Gas
	Parallel Rover Gas
	2010 Census Urbanized Areas

Option: Route to Lorain

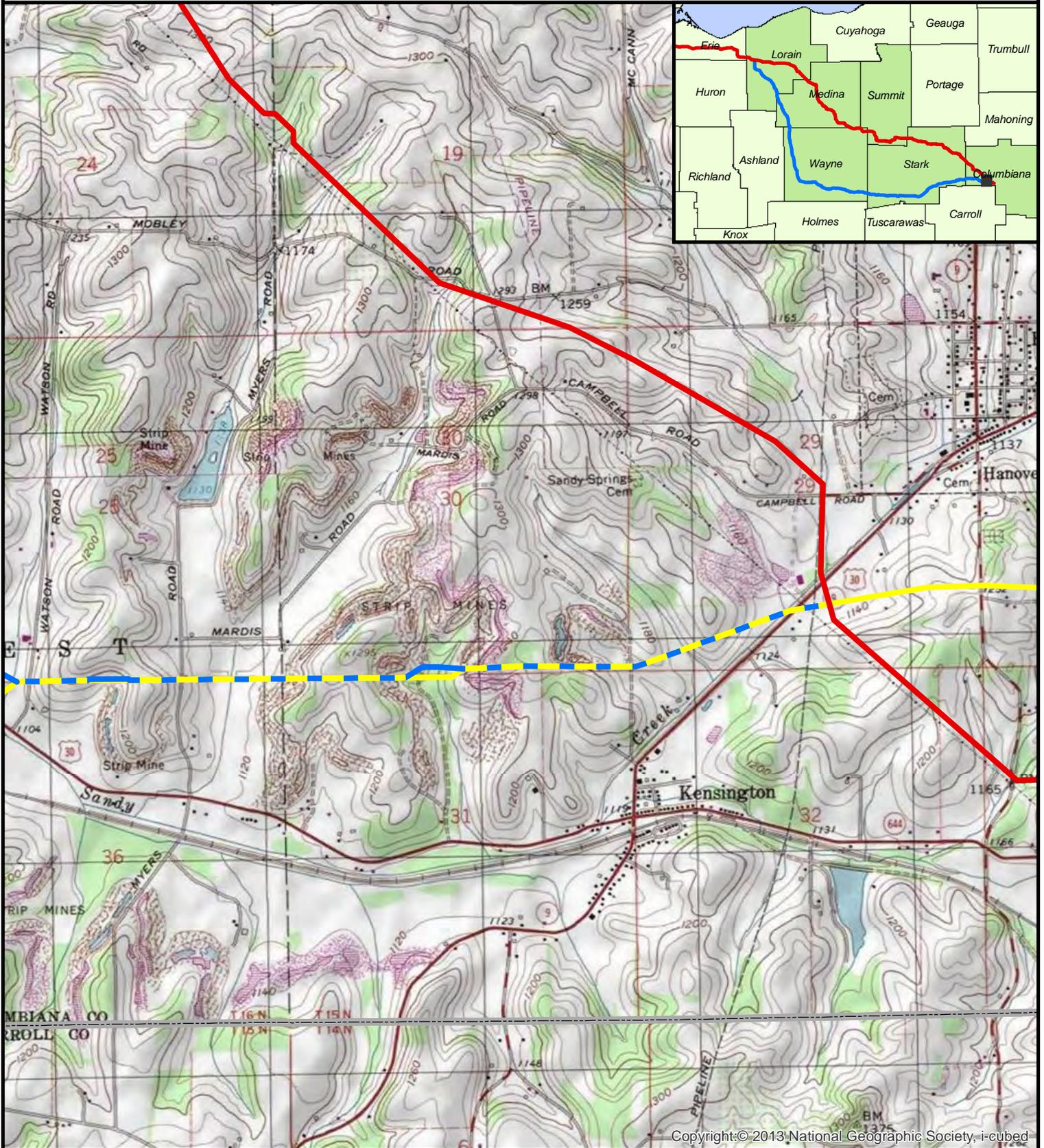
Option: Coalition Route

Option: Follow Rover (Energy Corridor)

The alternate route is a generalization in an attempt to minimize impact. This does not constitute a formal "on the ground" study and deviations could occur.

Urbanized Areas — An urbanized area consists of densely developed territory that contains 50,000 or more people. The Census Bureau delineates UAs to provide a better separation of urban and rural territory, population, and housing in the vicinity of large places. (www.census.gov)

Alternate Route for Proposed Nexus Pipeline



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Alternate Route

- Nexus Route Jan 2015
- Alternate Route
- Columbia Gas Transmission
- Parallel Columbia Gas
- Rover Transmission
- Parallel Rover Gas

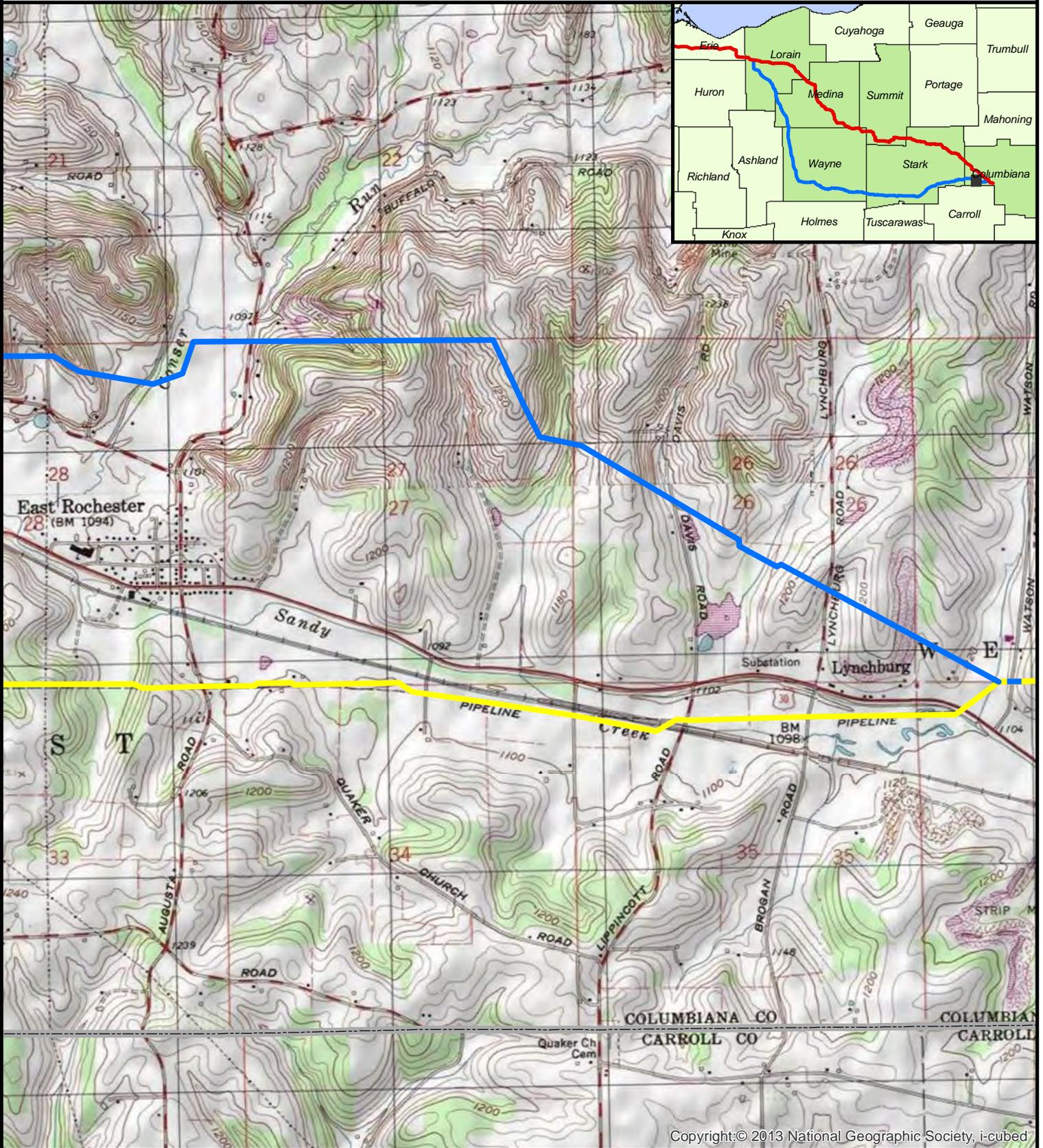
Map 1 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route for Proposed Nexus Pipeline



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Alternate Route

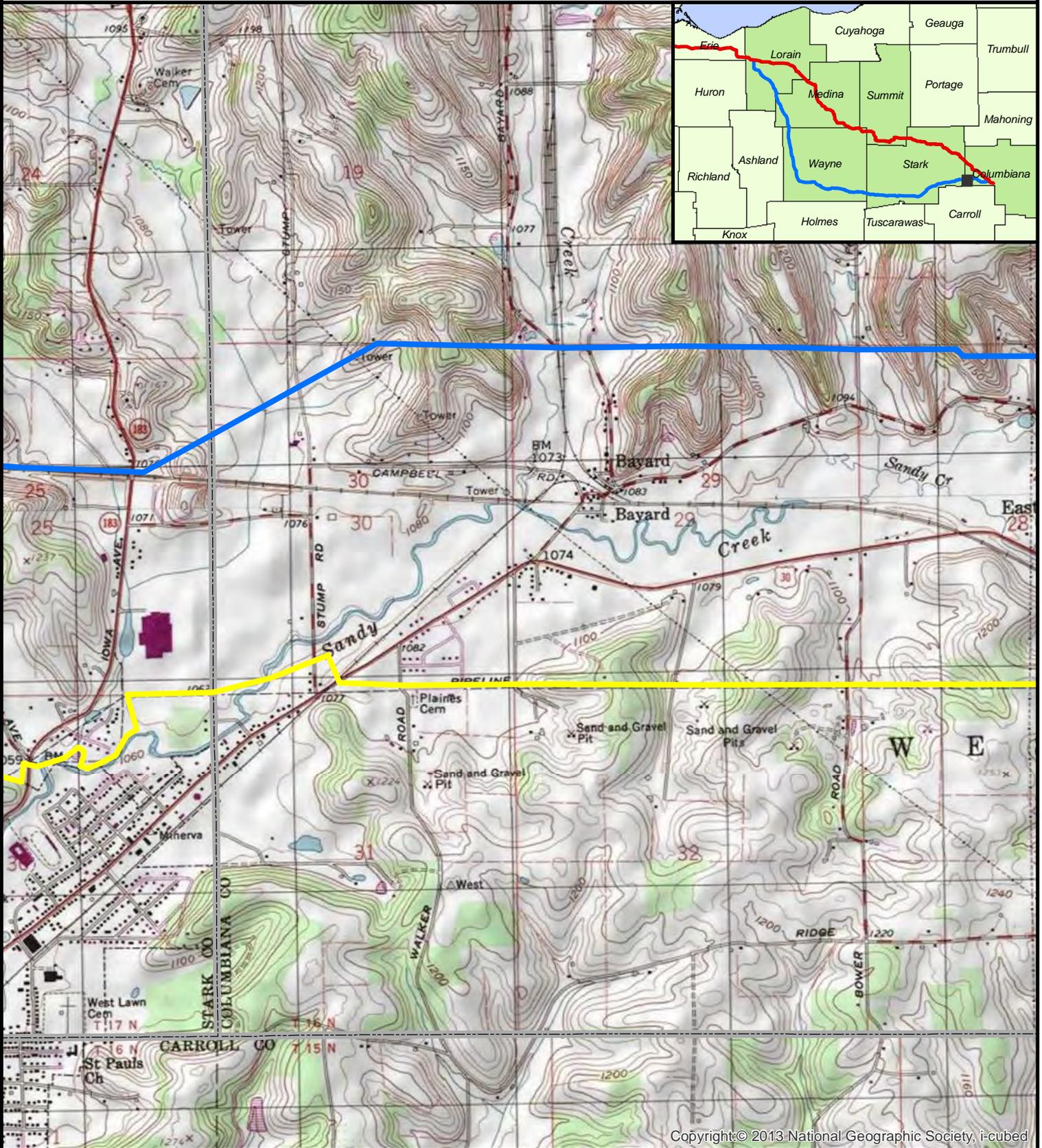
- Alternate Route
- Columbia Gas Transmission
- — Parallel Columbia Gas
- — Parallel Rover Gas
- Nexus Route Jan 2015
- Columbia Gas Transmission
- Rover Transmission



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 3 of 33

1 in = 2,000 ft

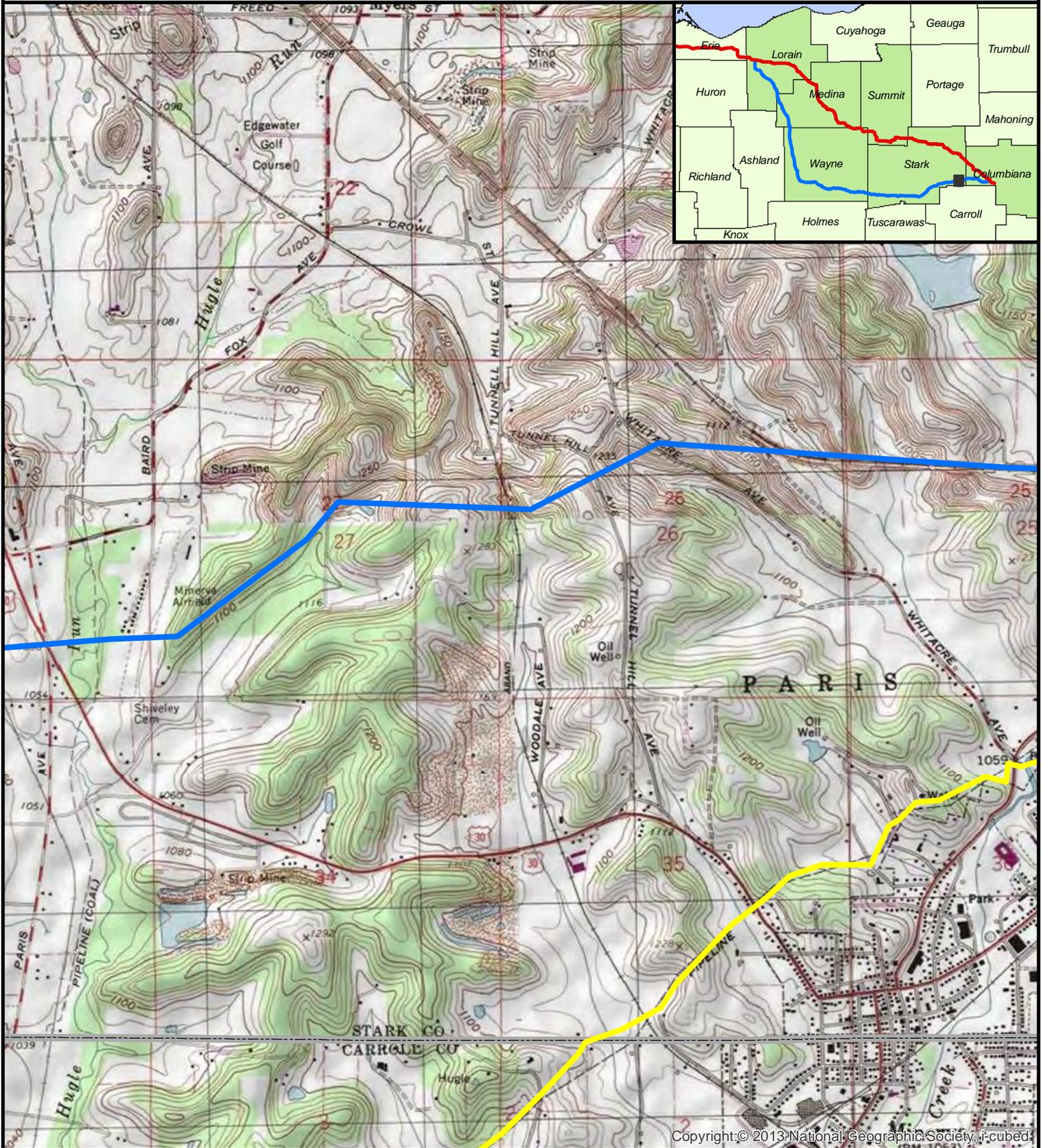
March 16, 2015



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Alternate Route for Proposed Nexus Pipeline



Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 4 of 33

1 in = 2,000 ft

March 16, 2015

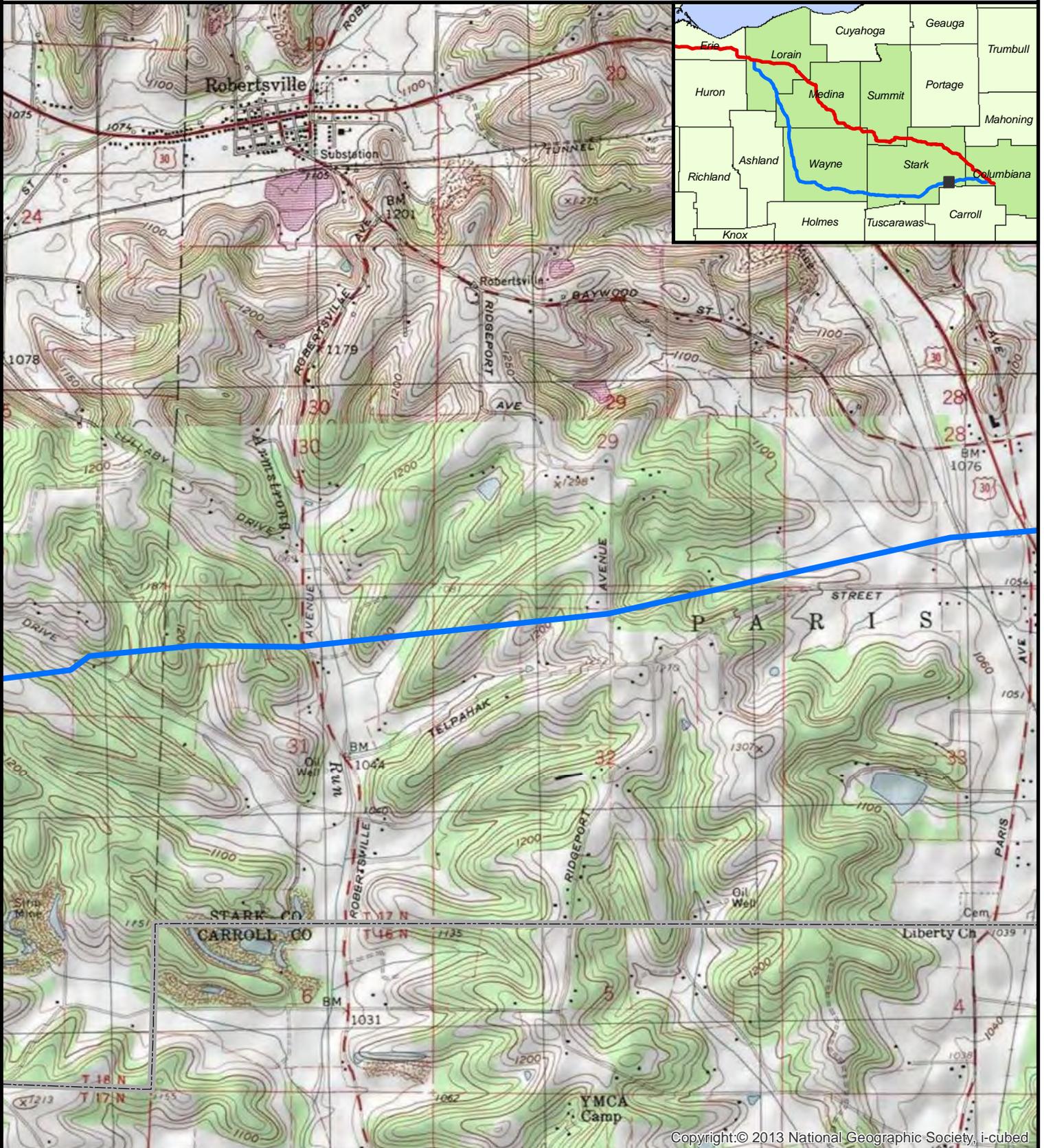
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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 5 of 33

1 in = 2,000 ft

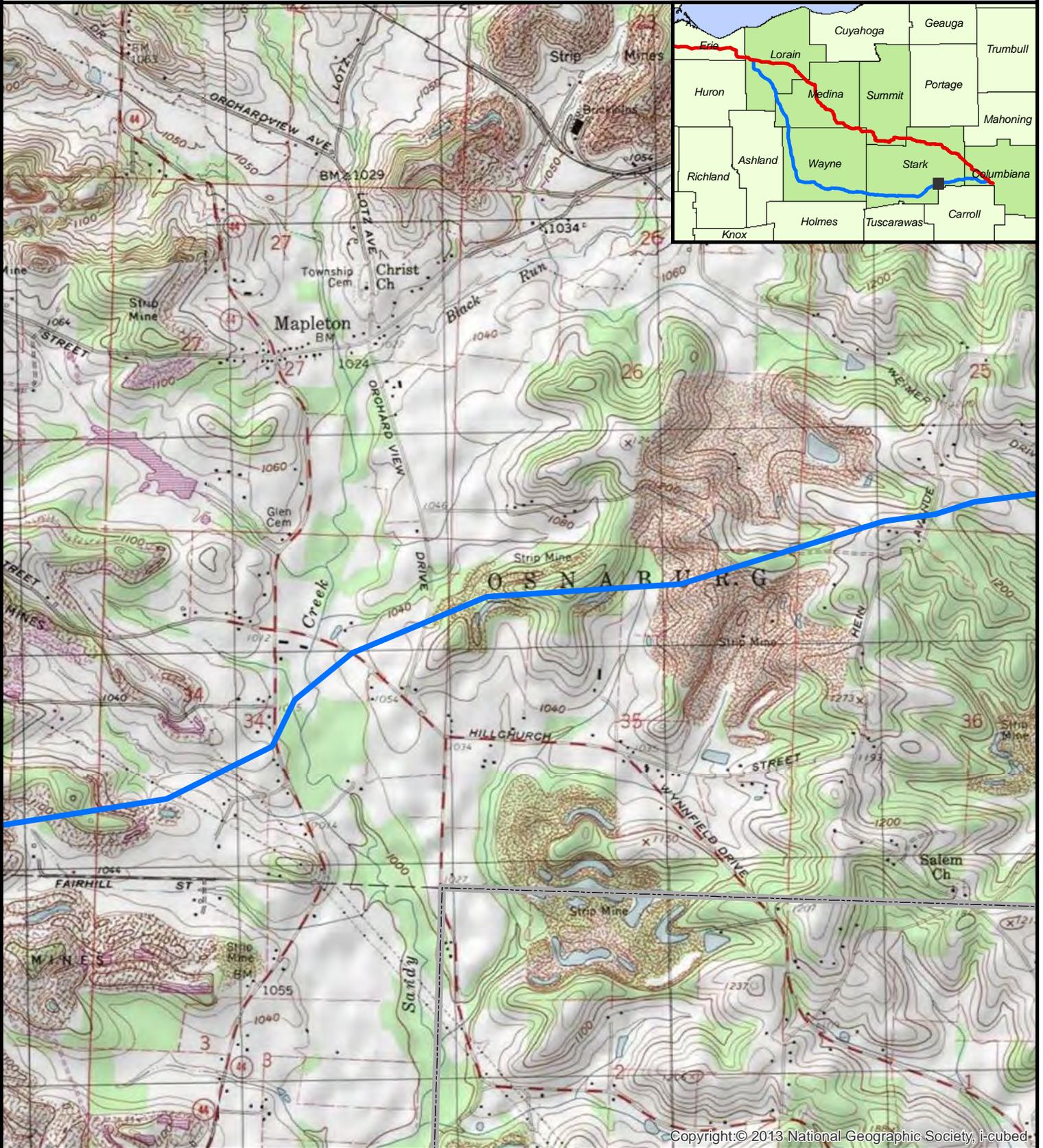
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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 6 of 33

1 in = 2,000 ft

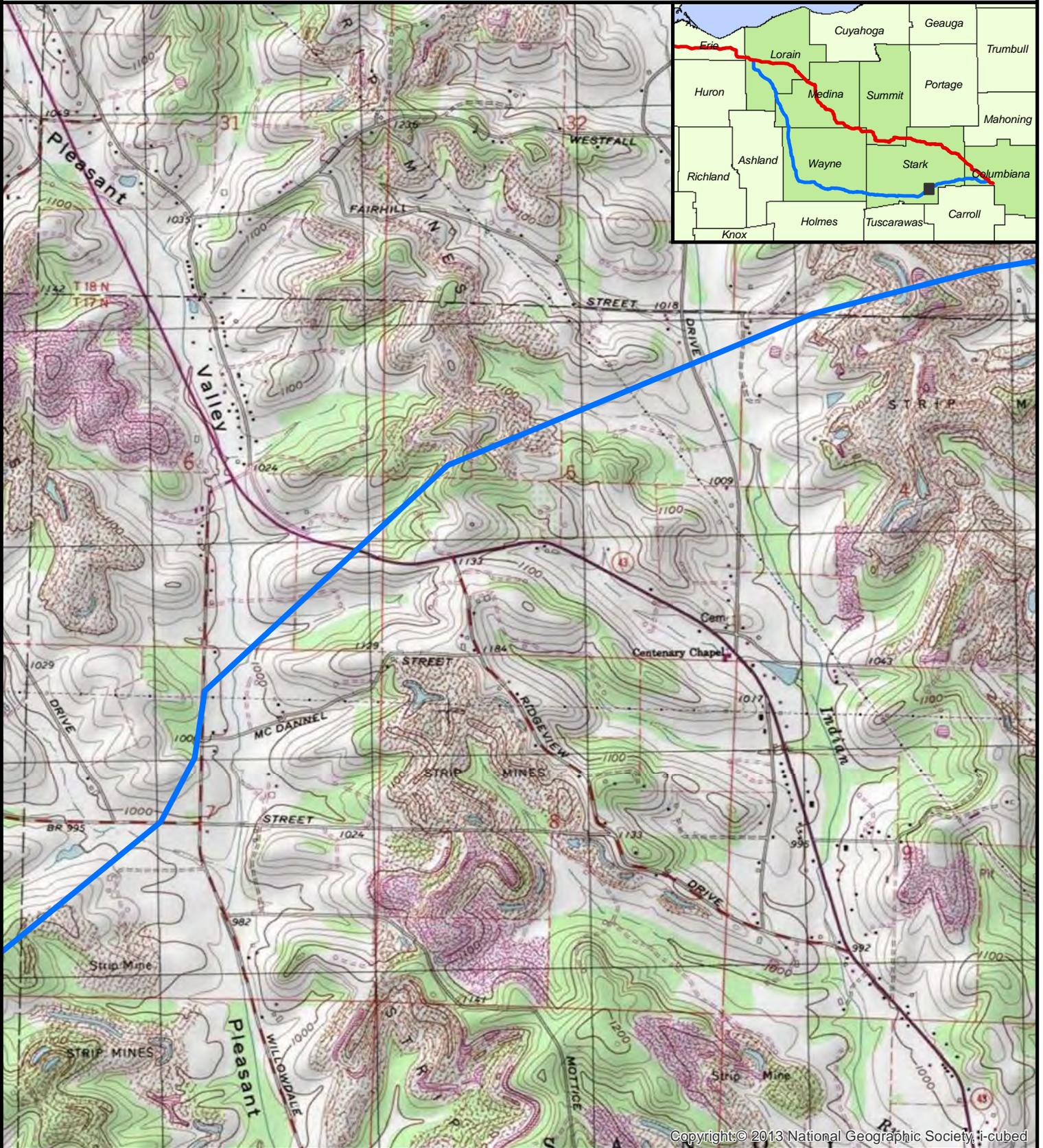
March 16, 2015



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 7 of 33

1 in = 2,000 ft

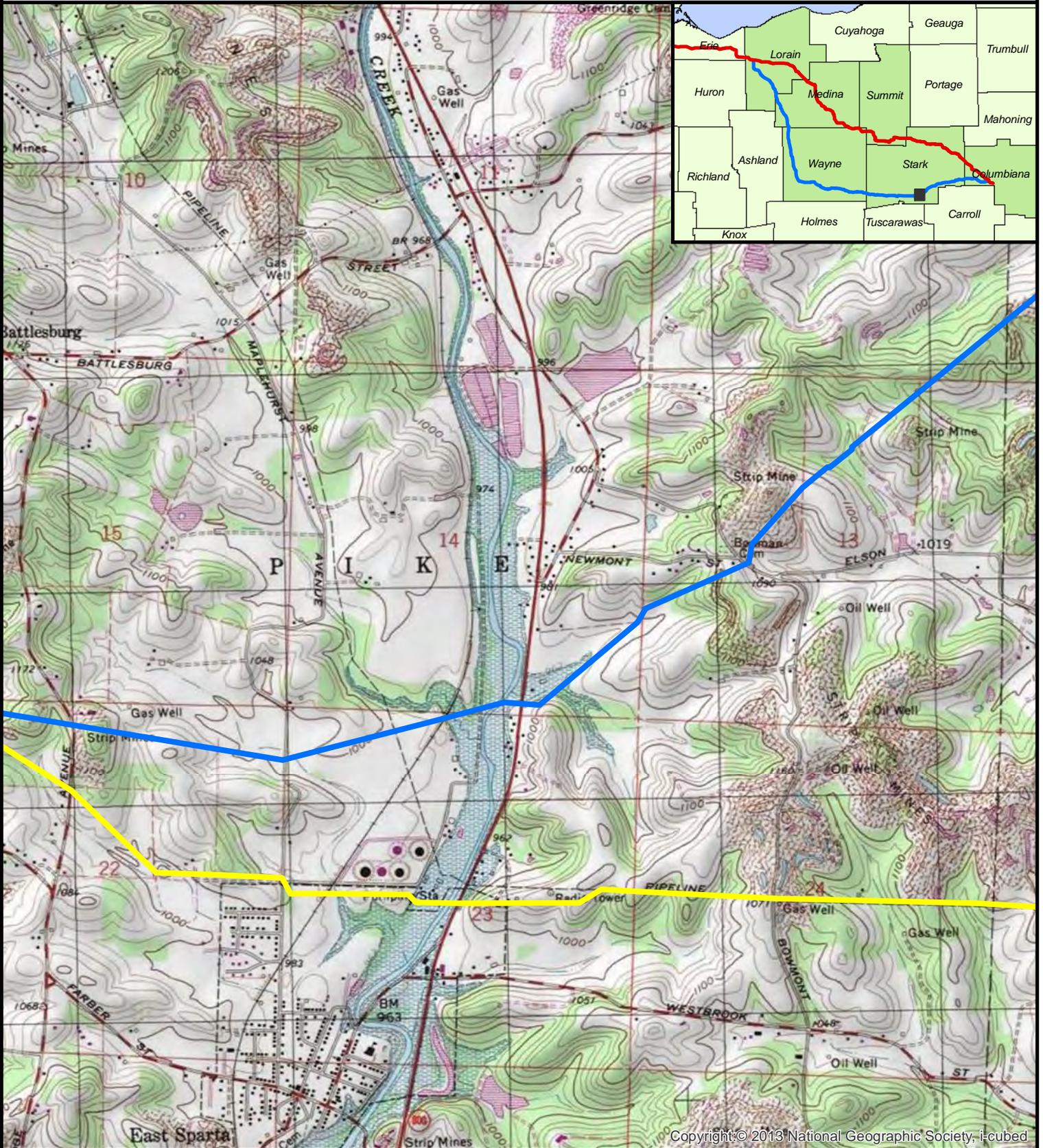
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Alternate Route for Proposed Nexus Pipeline



Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 8 of 33

1 in = 2,000 ft

March 16, 2015

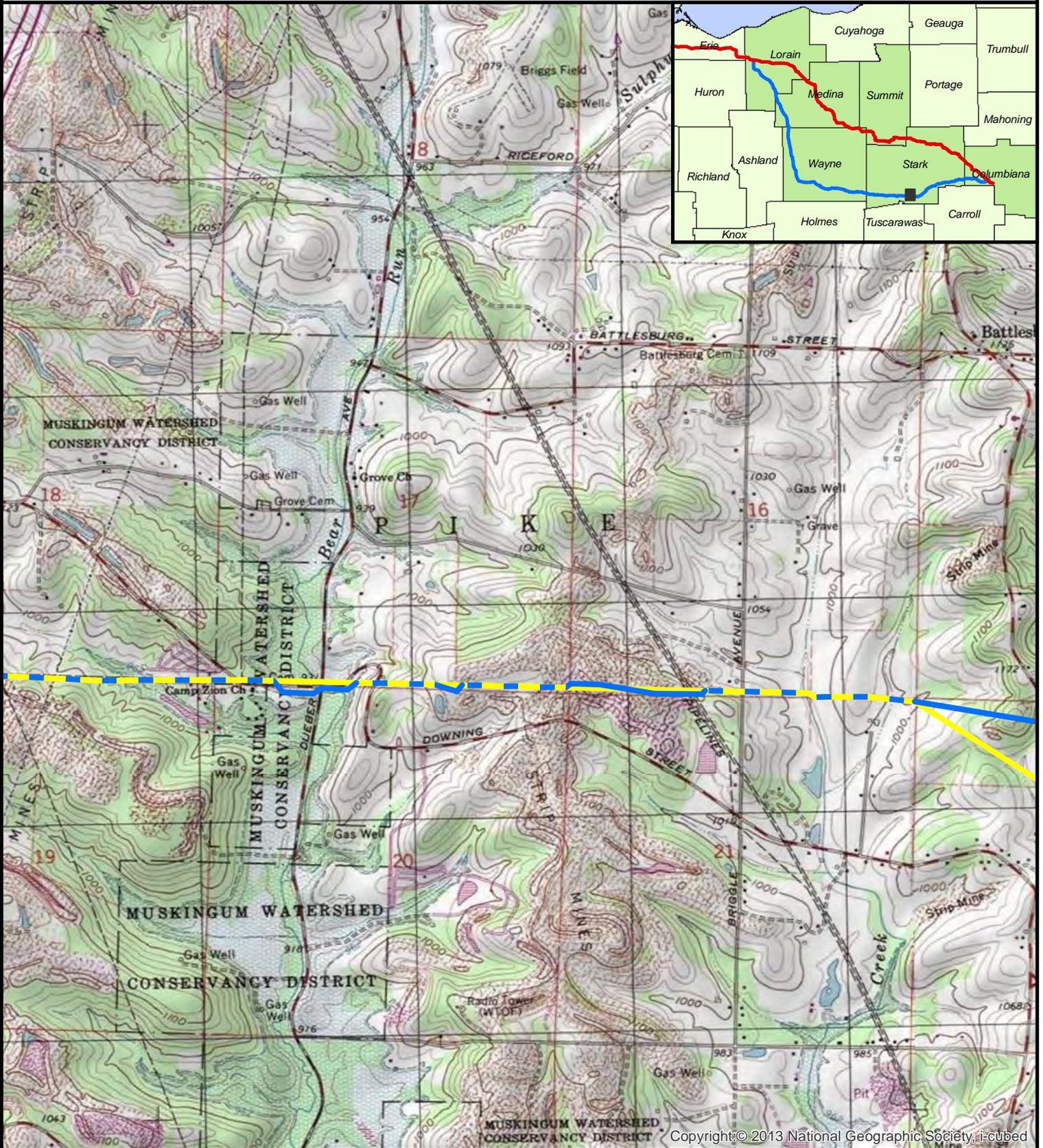
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Alternate Route for Proposed Nexus Pipeline



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 9 of 33

1 in = 2,000 ft

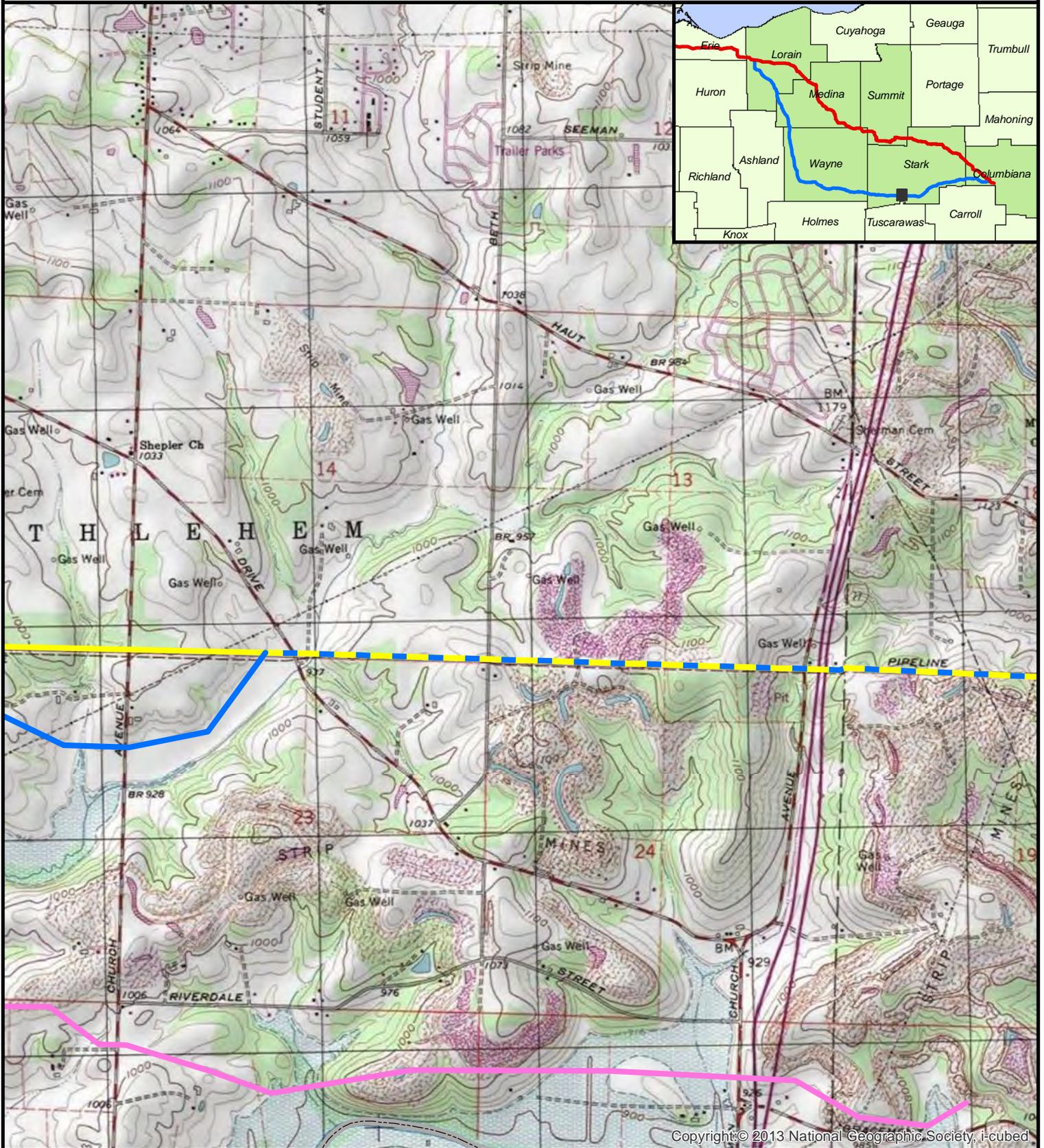
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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

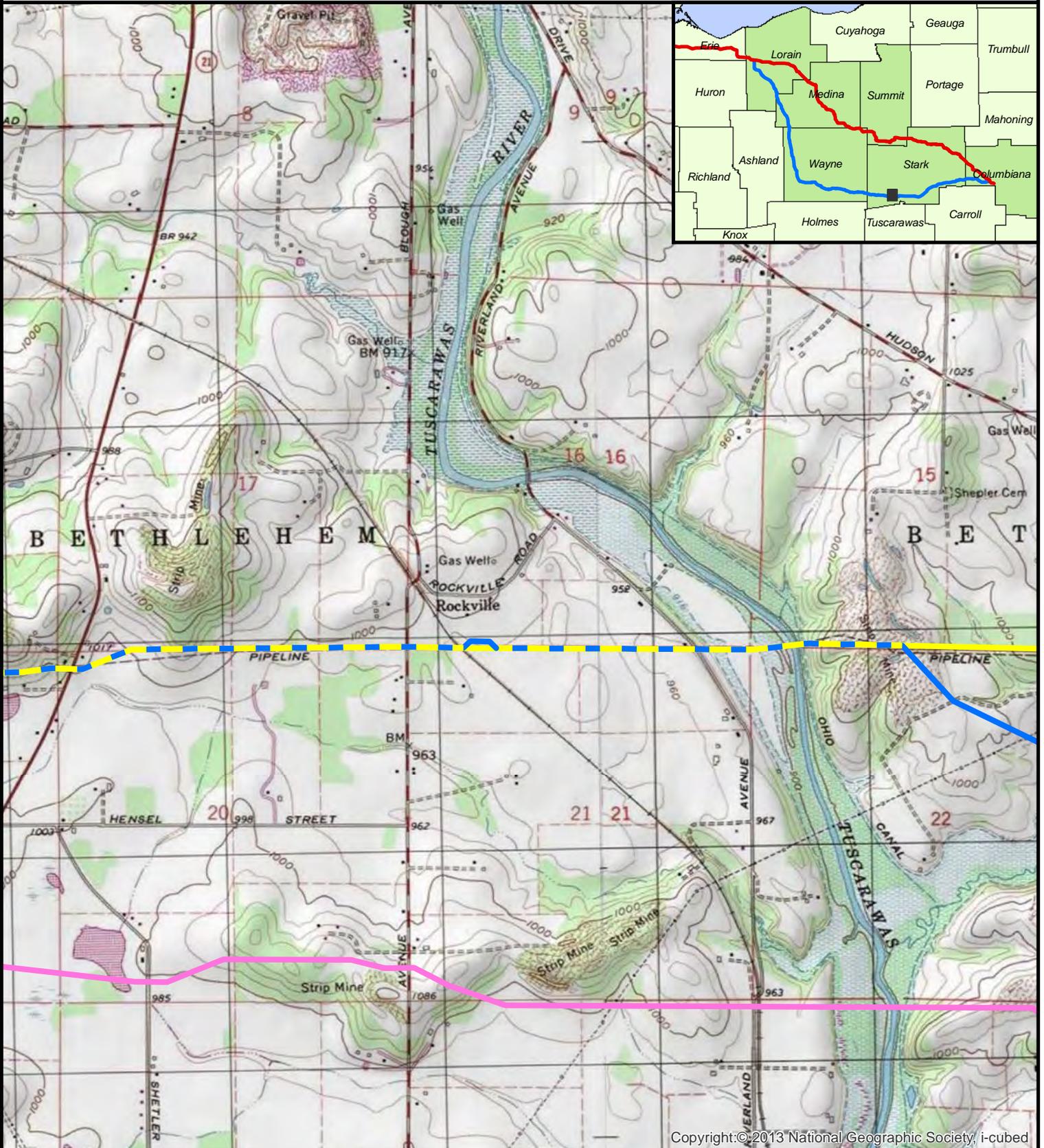
Map 10 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

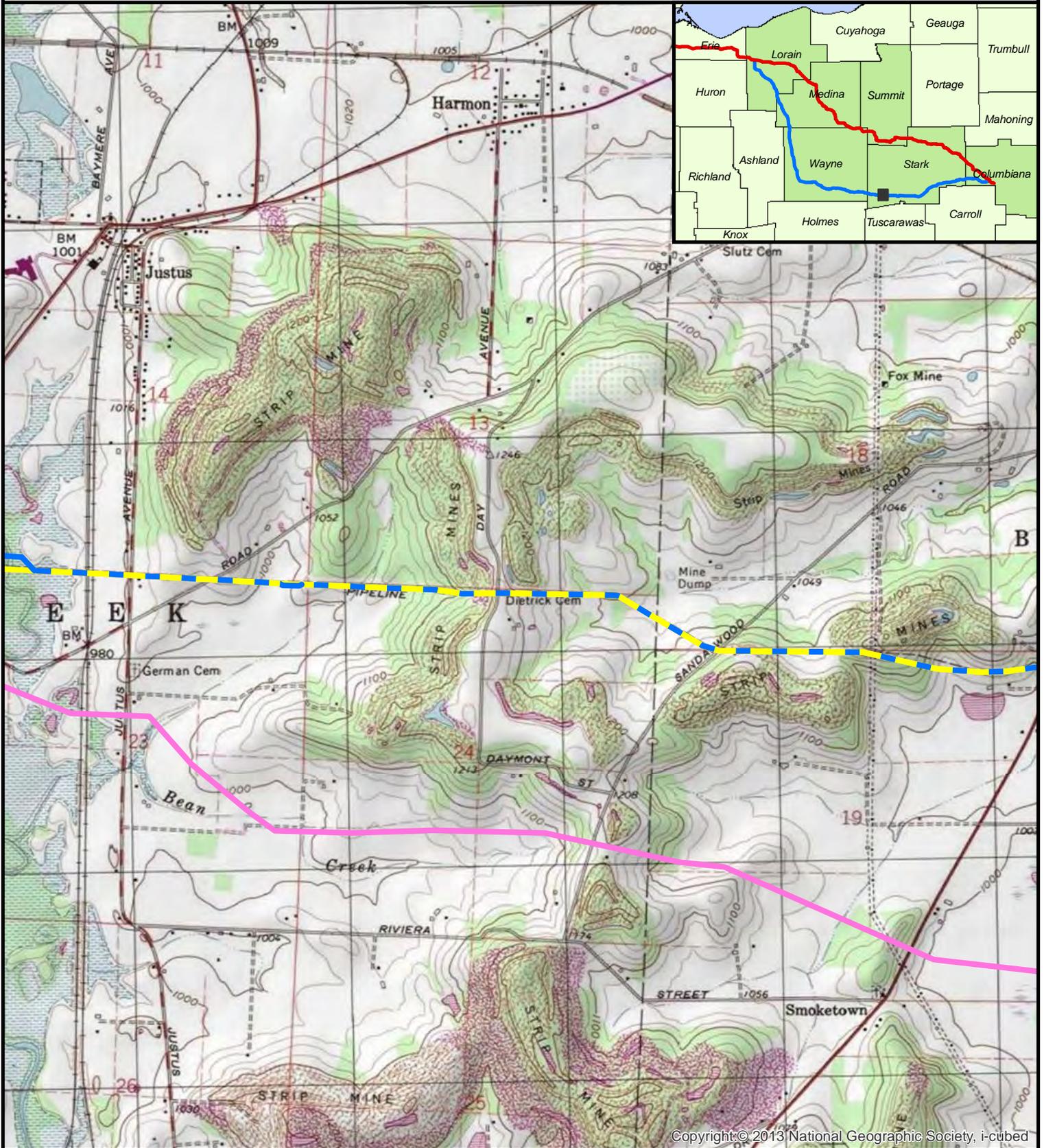
Map 11 of 33 1 in = 2,000 ft March 16, 2015

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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

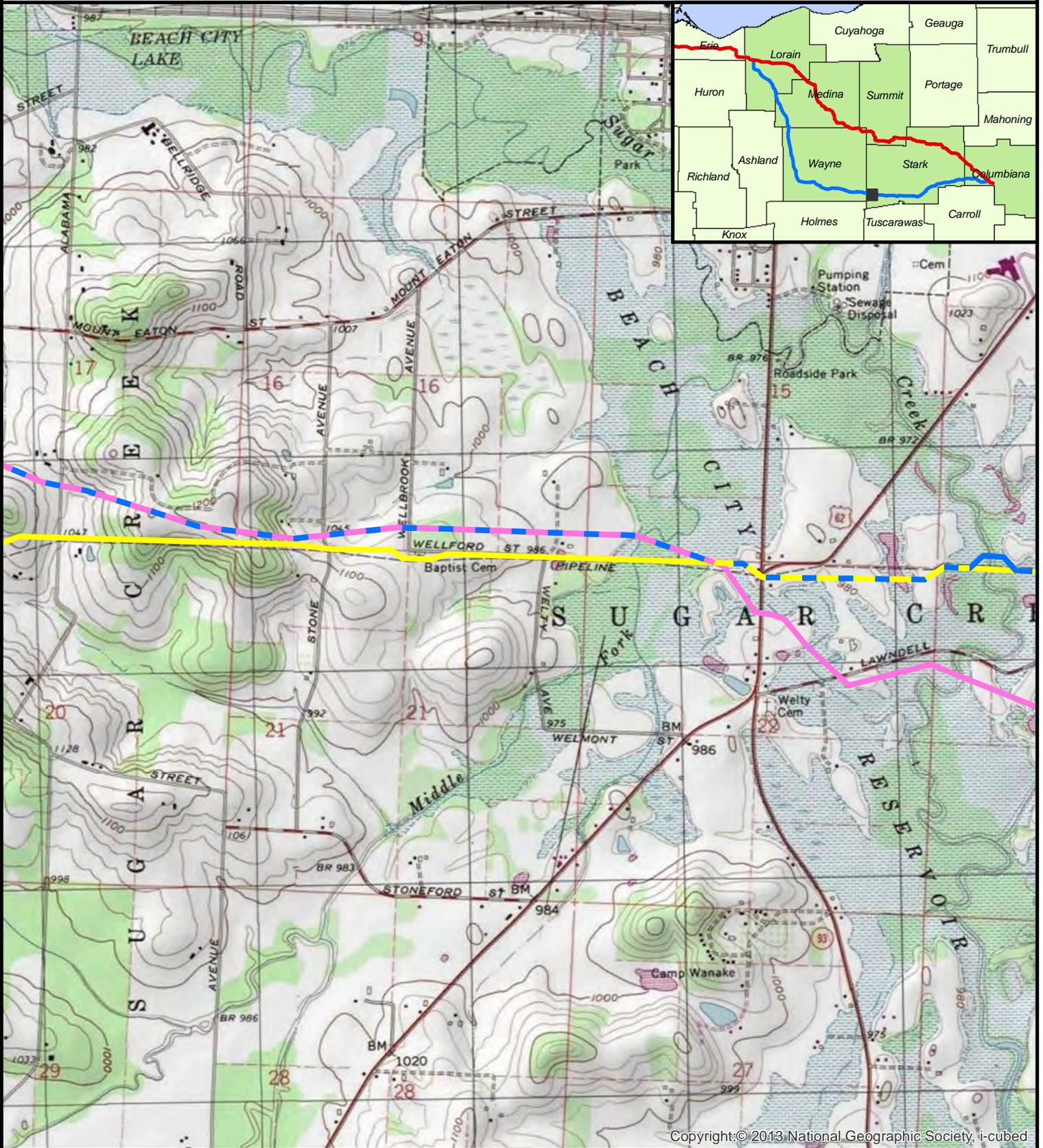
Map 12 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

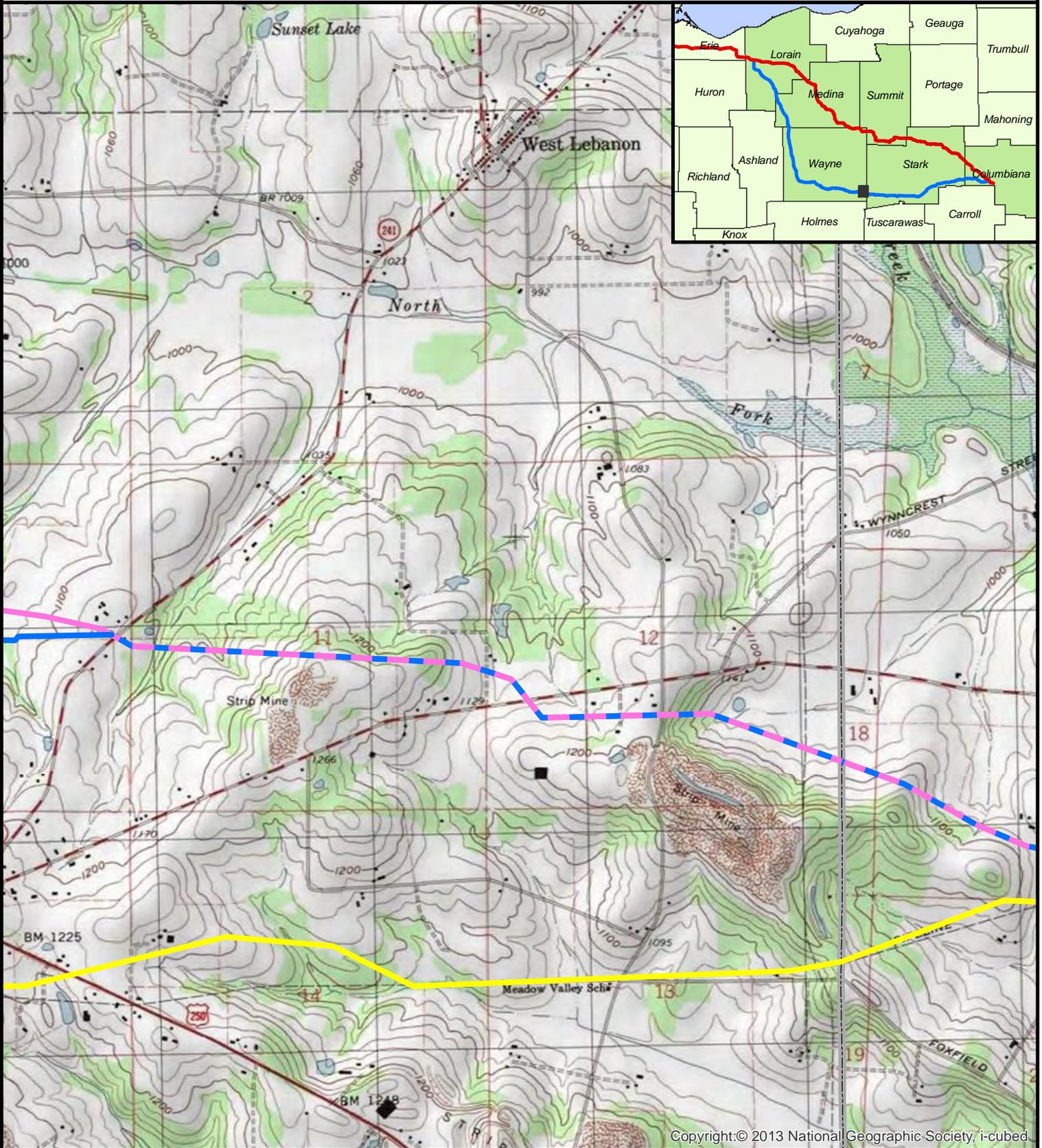
Map 13 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 14 of 33 1 in = 2,000 ft March 16, 2015

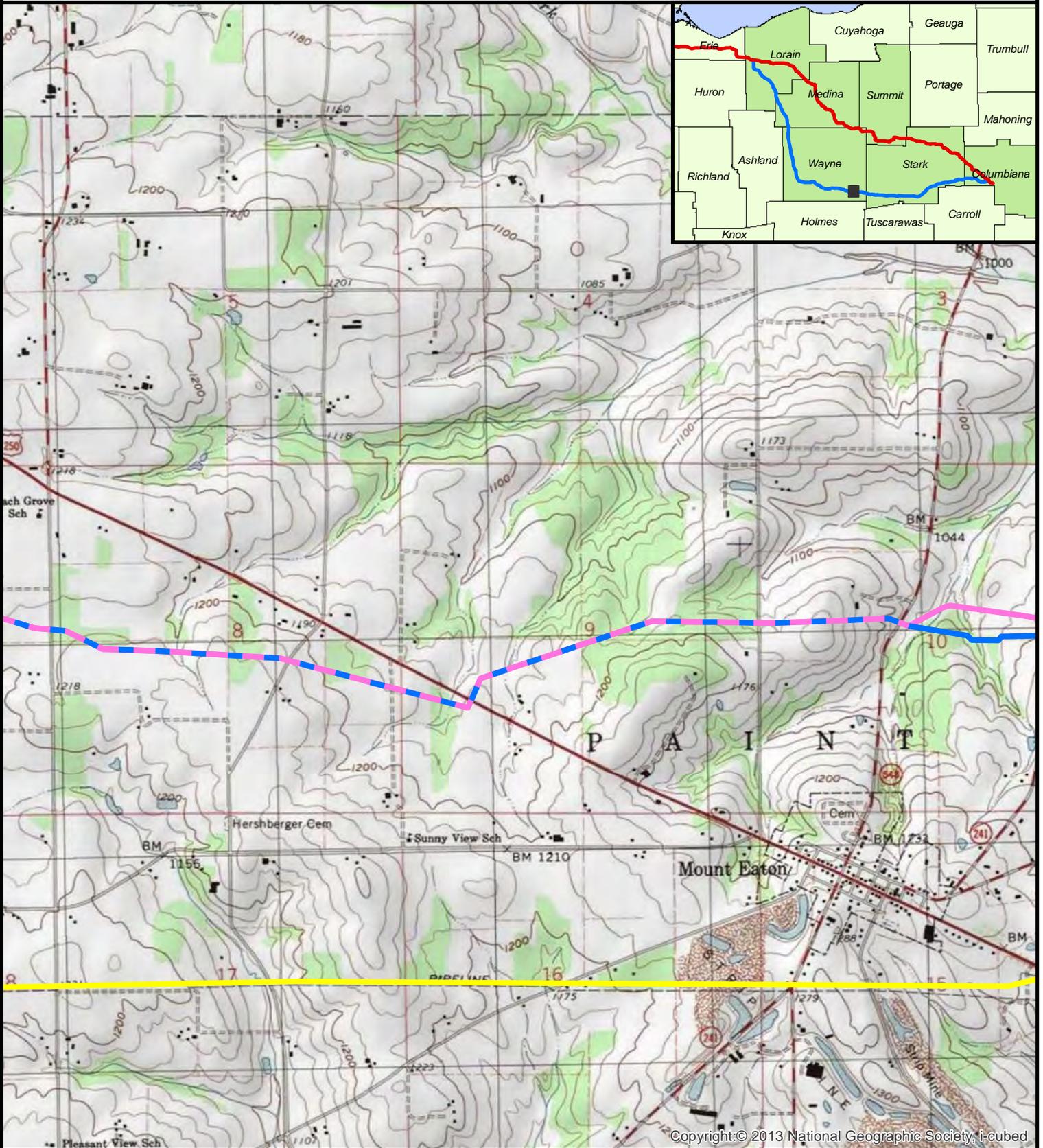
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Alternate Route for Proposed Nexus Pipeline



Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

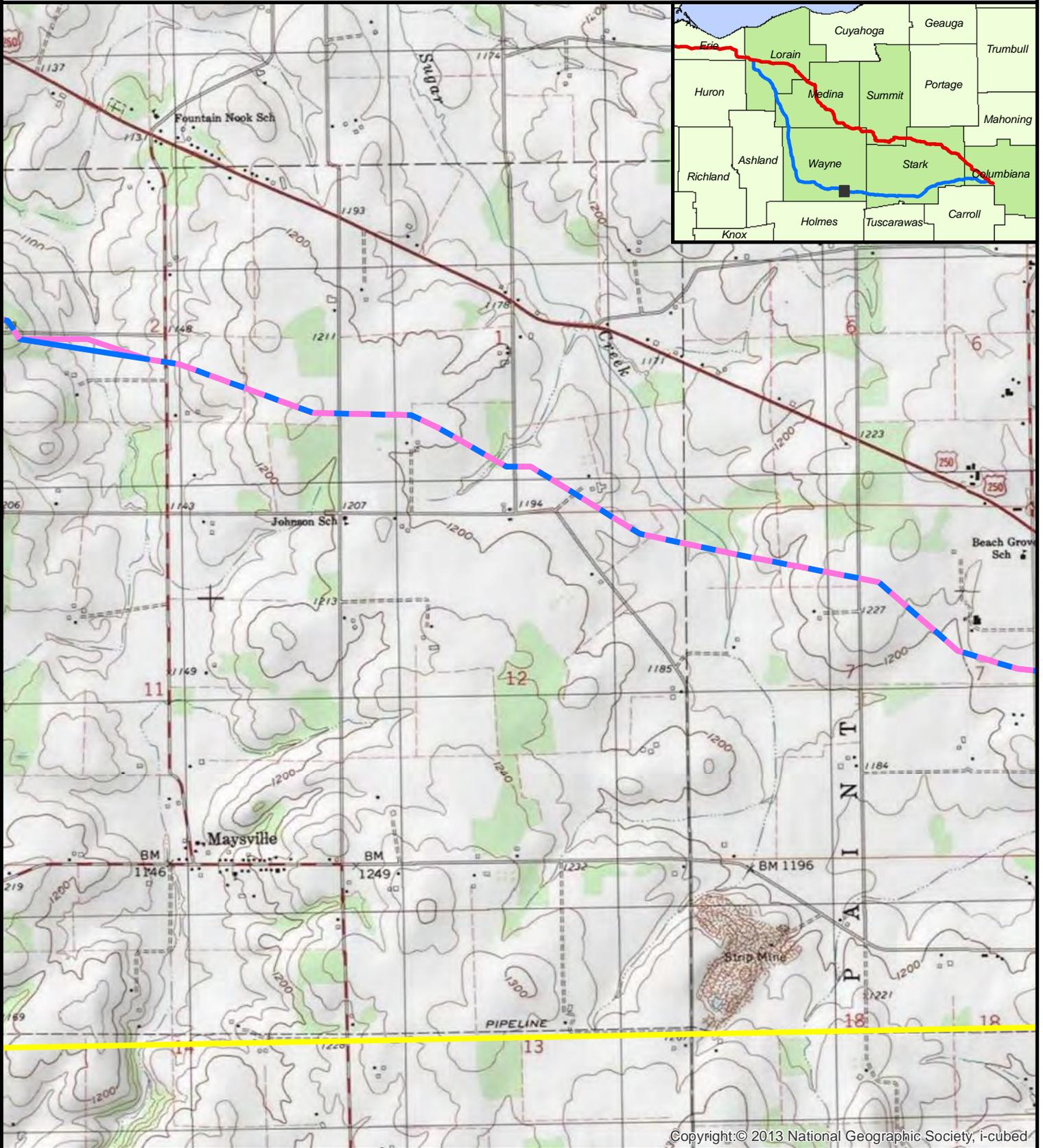
 Rover Transmission

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Alternate Route

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 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 16 of 33

1 in = 2,000 ft

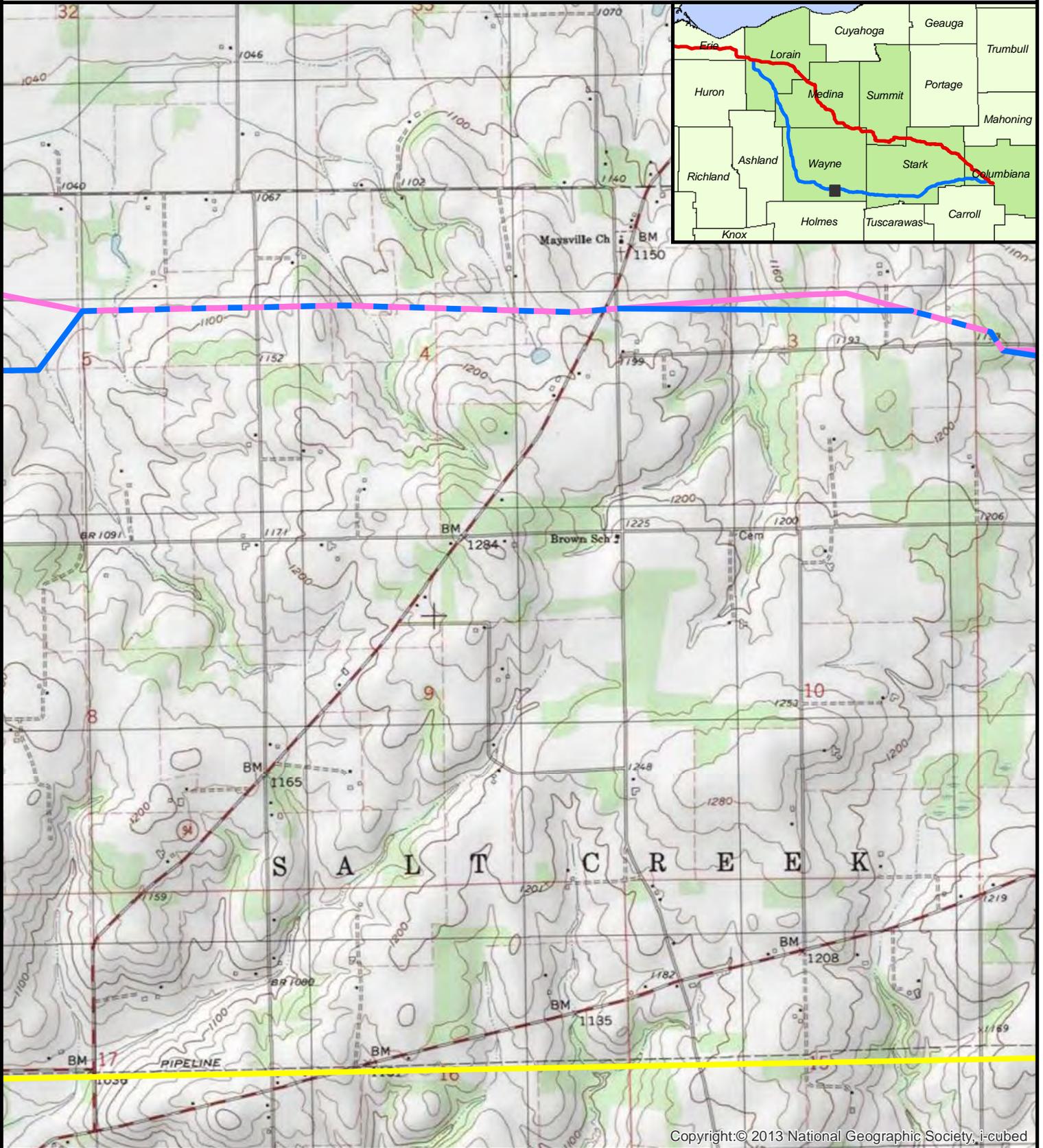
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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 17 of 33

1 in = 2,000 ft

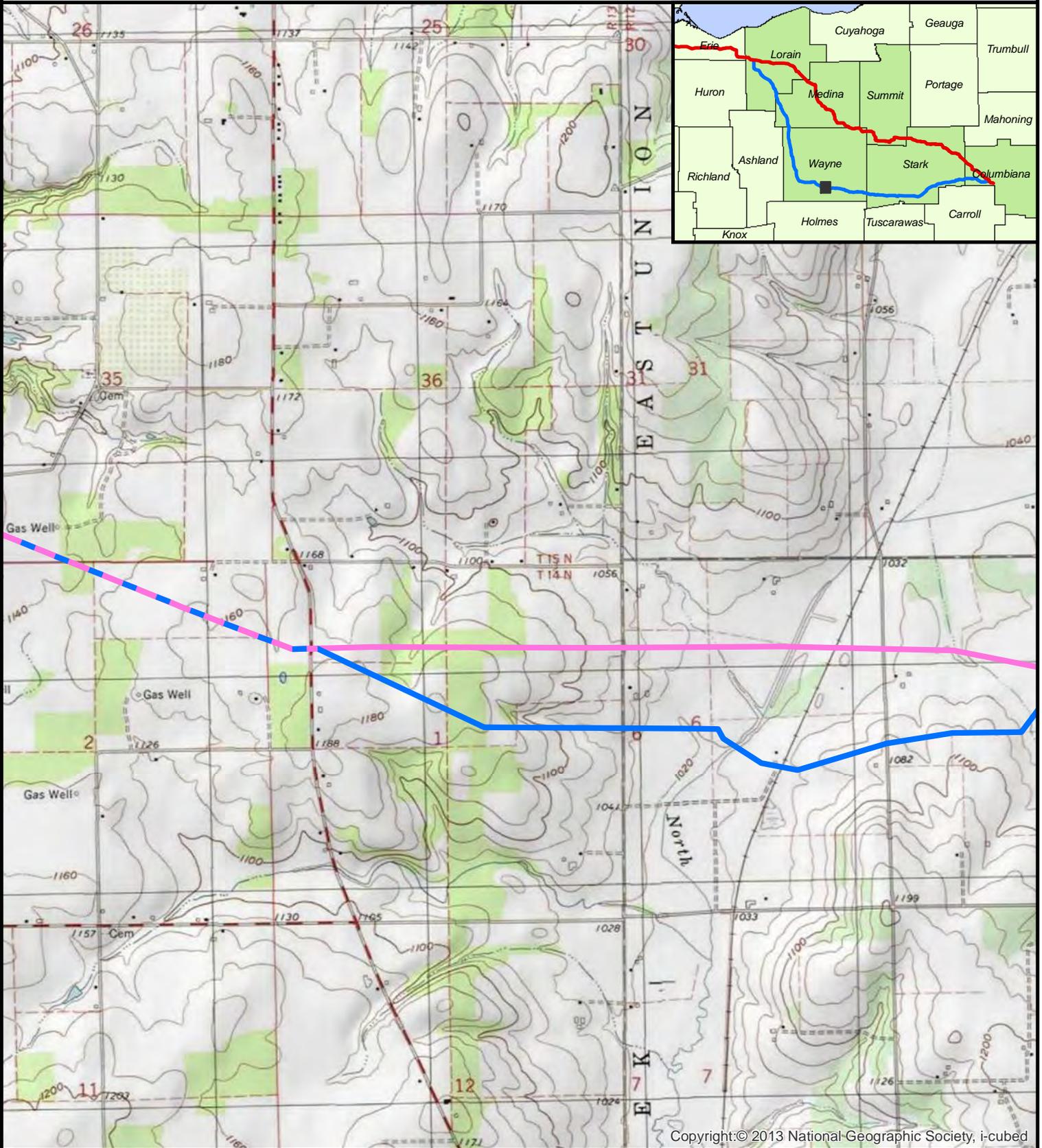
March 16, 2015



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Alternate Route for Proposed Nexus Pipeline



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Alternate Route

- Alternate Route
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- Parallel Columbia Gas
- Rover Transmission
- Parallel Rover Gas
- Nexus Route Jan 2015

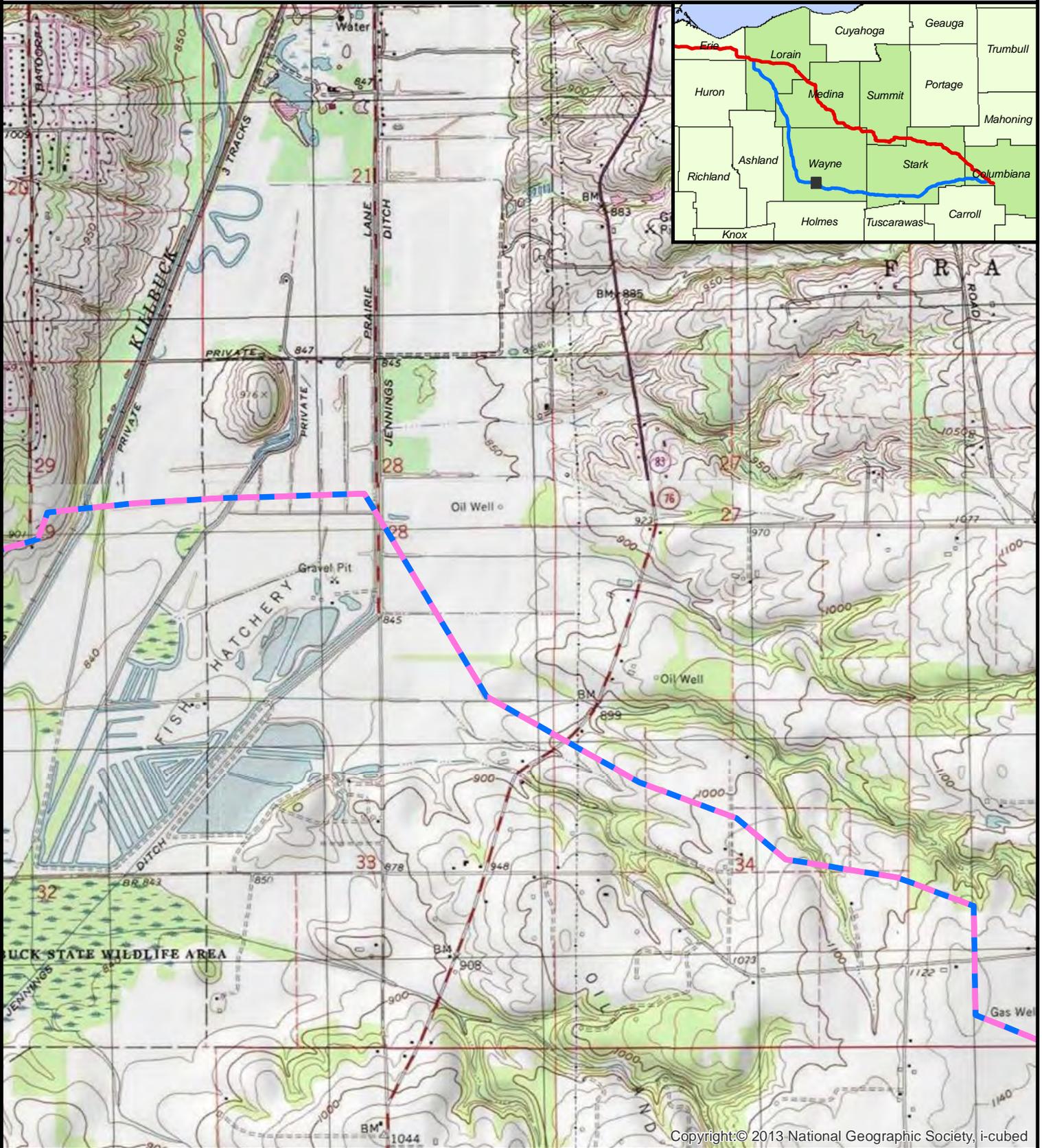
Map 18 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

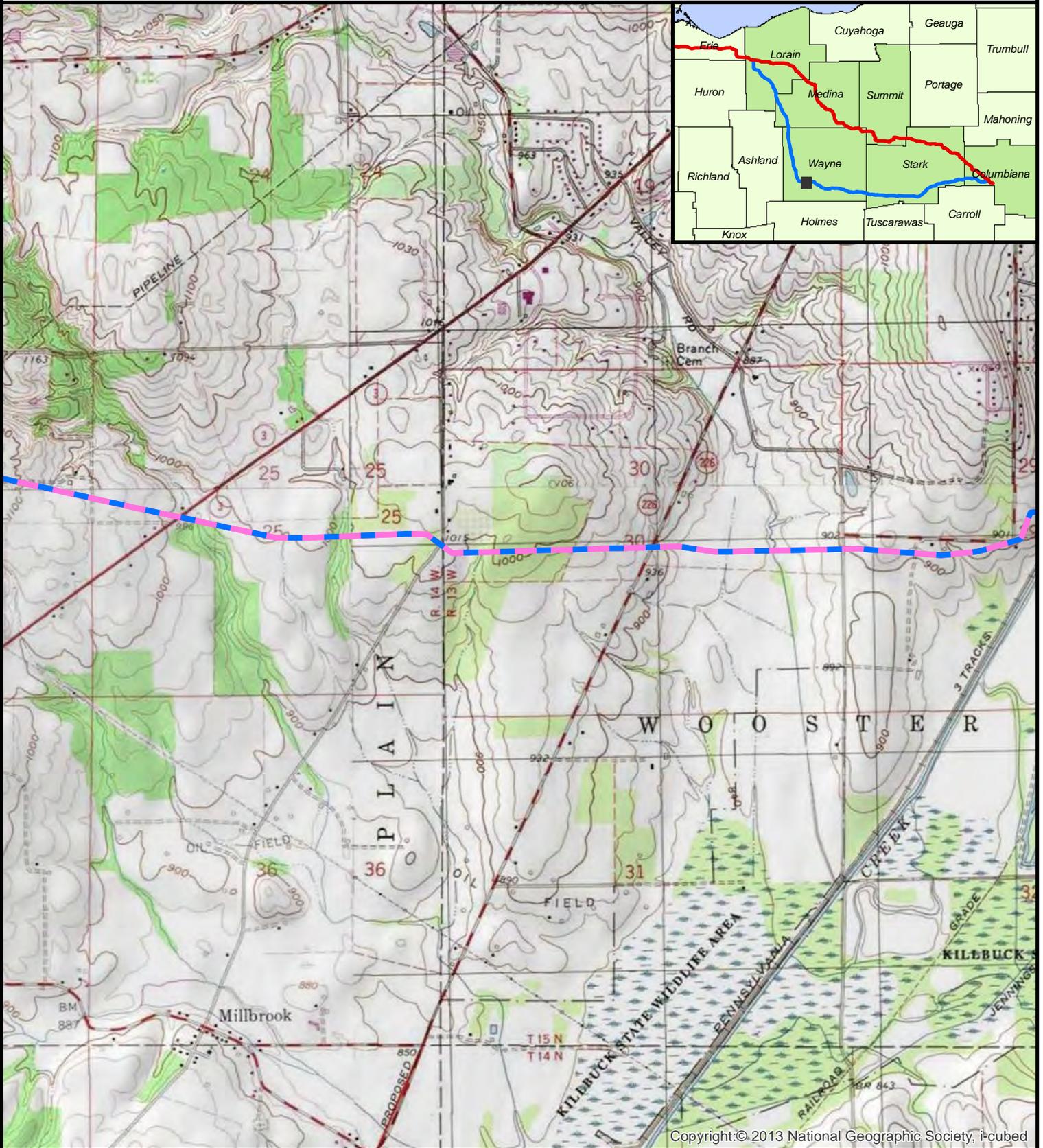
Map 19 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

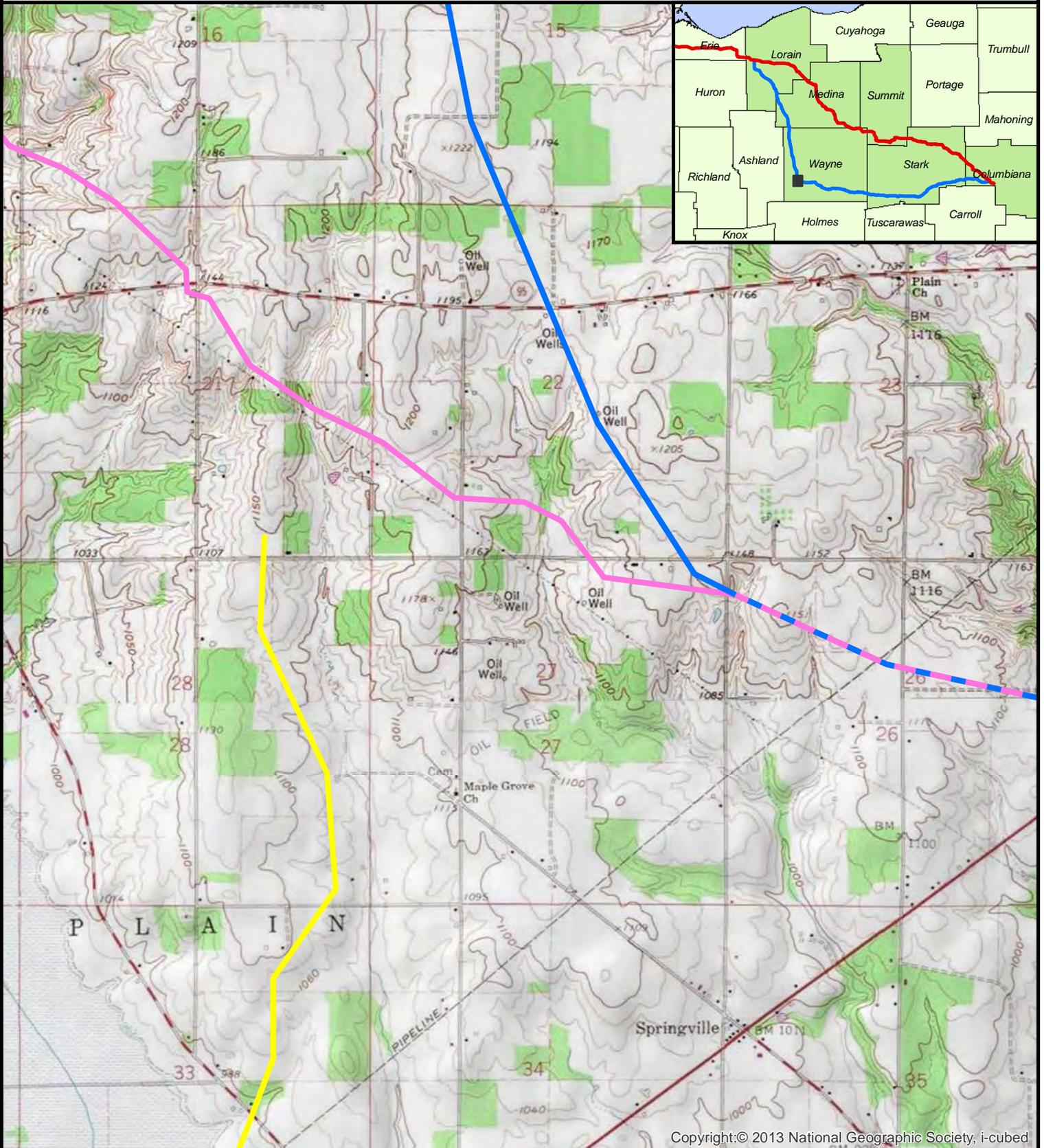
Map 20 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route

- Alternate Route
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- - - Parallel Columbia Gas
- - - Rover Transmission
- - - Parallel Rover Gas
- Nexus Route Jan 2015

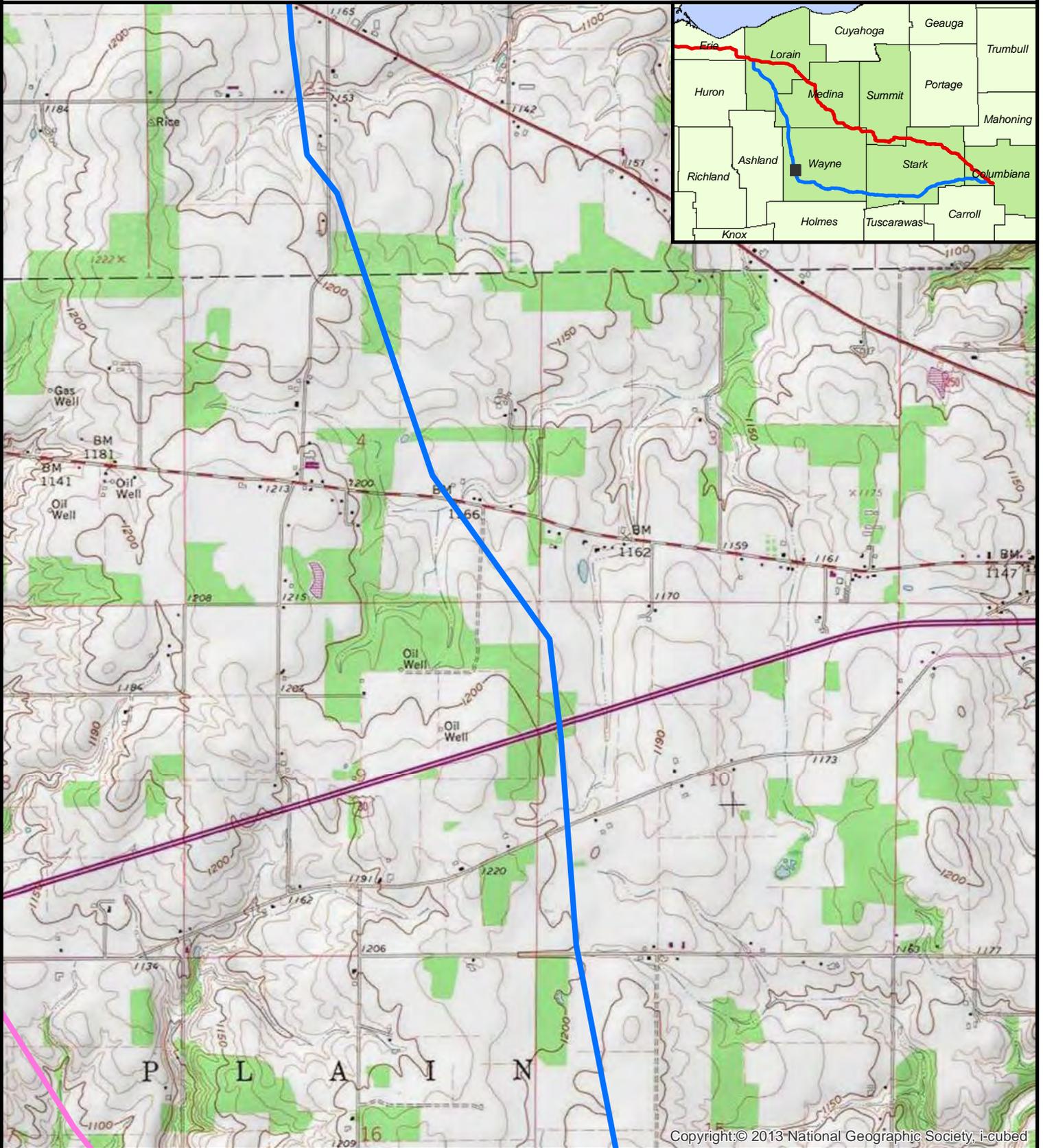
Map 21 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

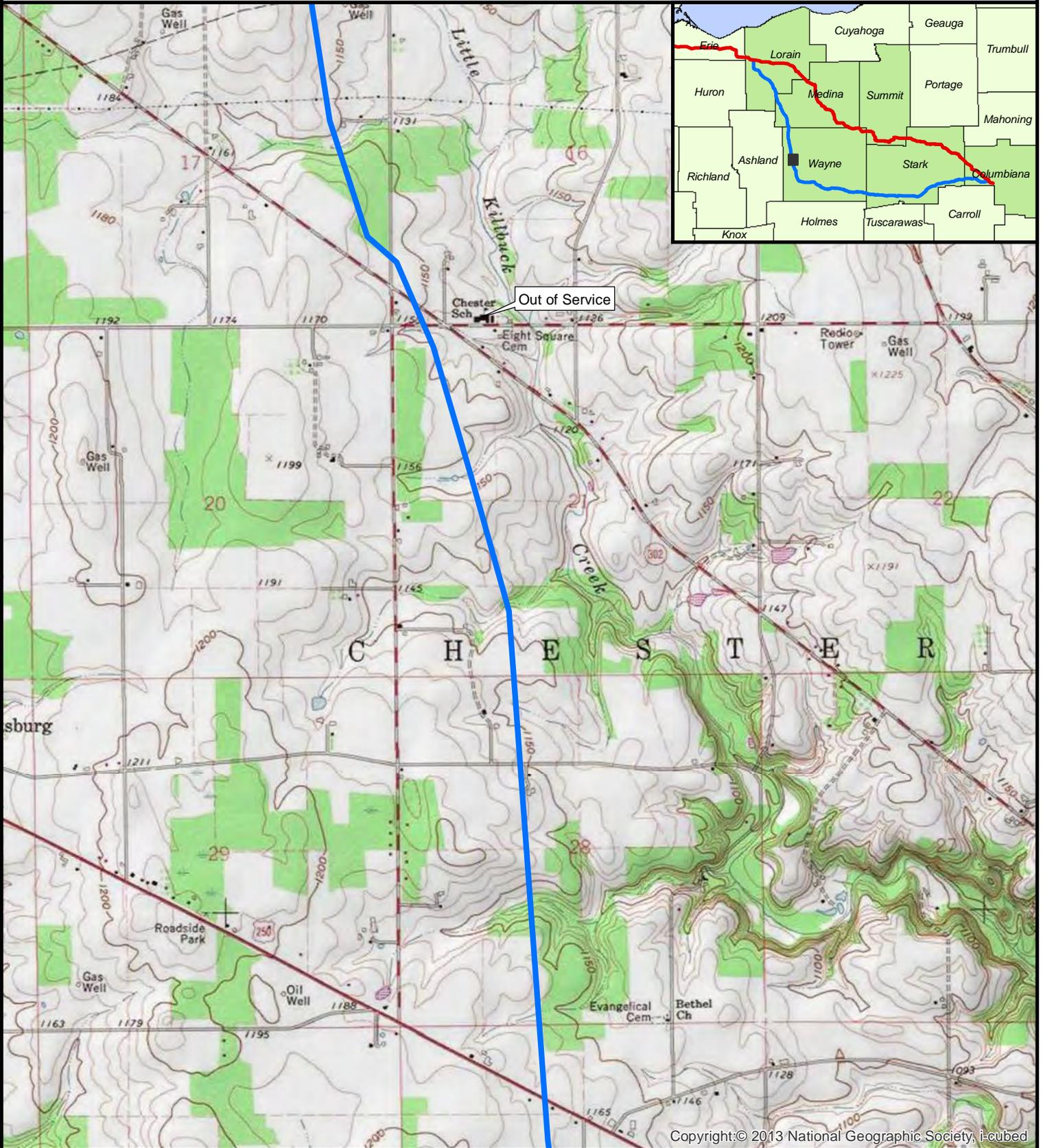
Map 22 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route for Proposed Nexus Pipeline



Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 23 of 33 1 in = 2,000 ft March 16, 2015

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 Alternate Route

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 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

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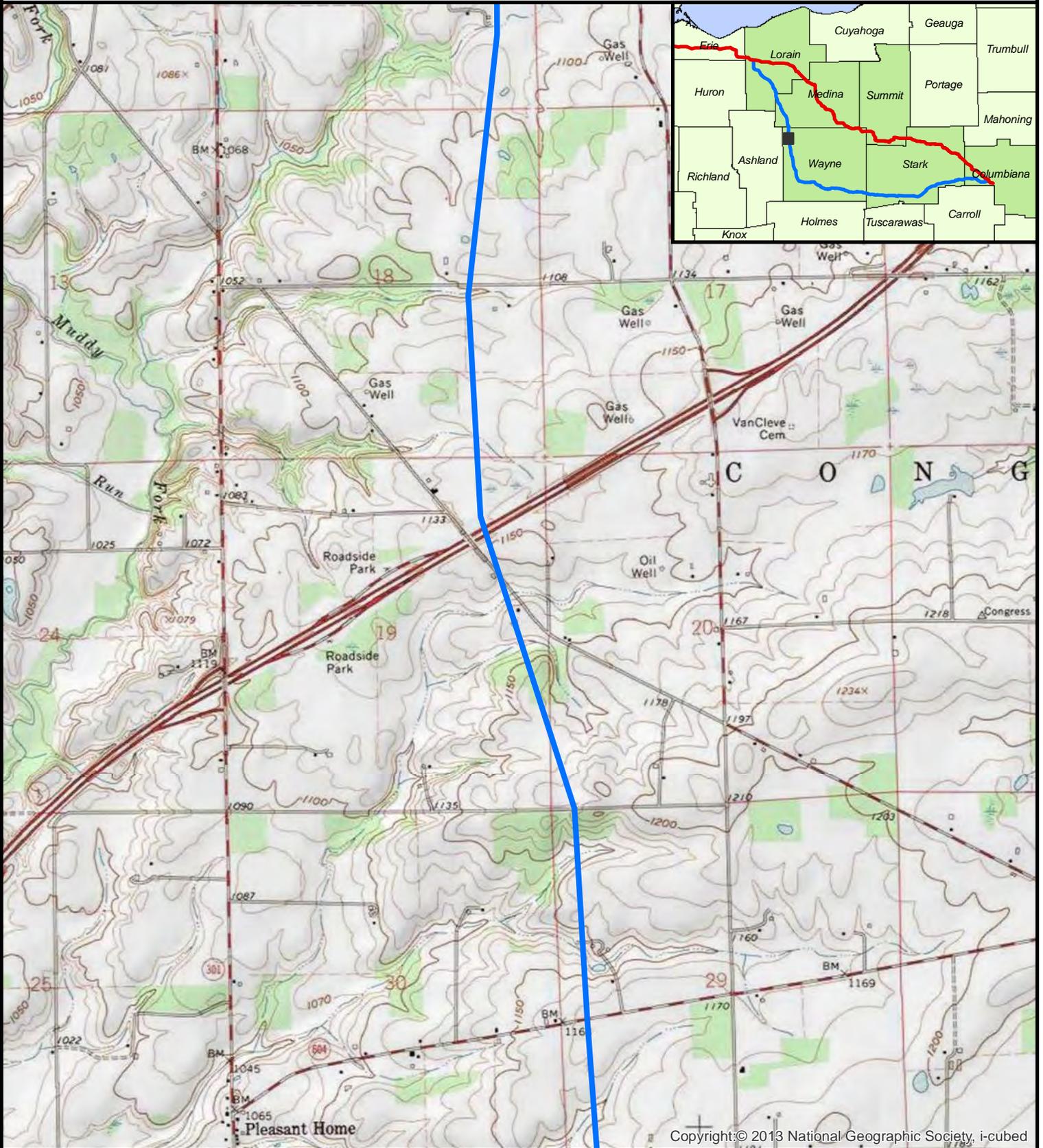
Map 24 of 33 1 in = 2,000 ft March 16, 2015



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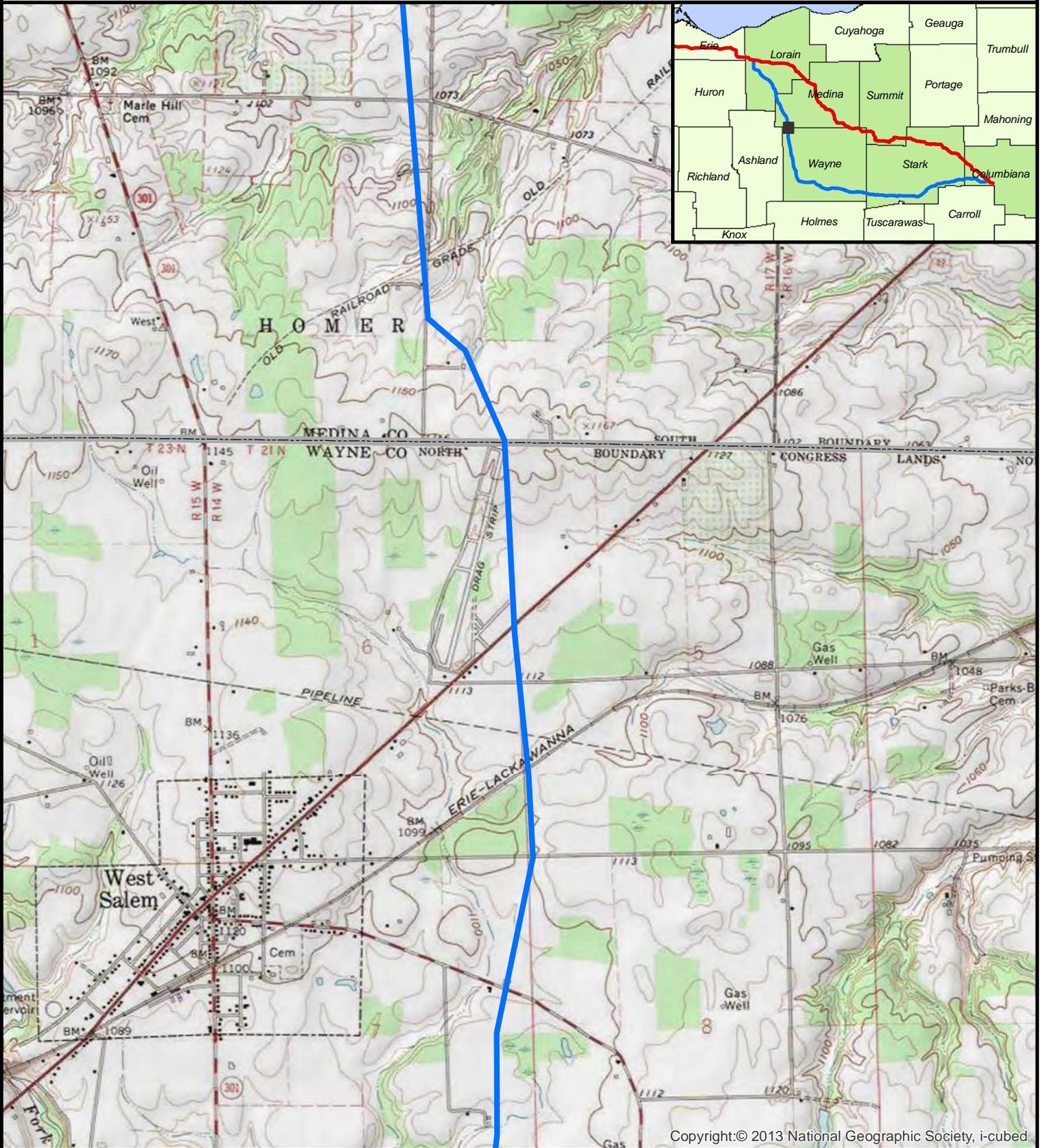
Map 25 of 33 1 in = 2,000 ft March 16, 2015



This map represents a proposed alternate route for the Nexus Pipeline. It is a generalization of a suggested study corridor in an attempt to minimize impact in the region. Our hope is that Spectra Energy will take this under serious consideration and devote time and resources to studying this alternative. The City of Green and the Coalition are available for further discussion.

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Alternate Route for Proposed Nexus Pipeline



Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

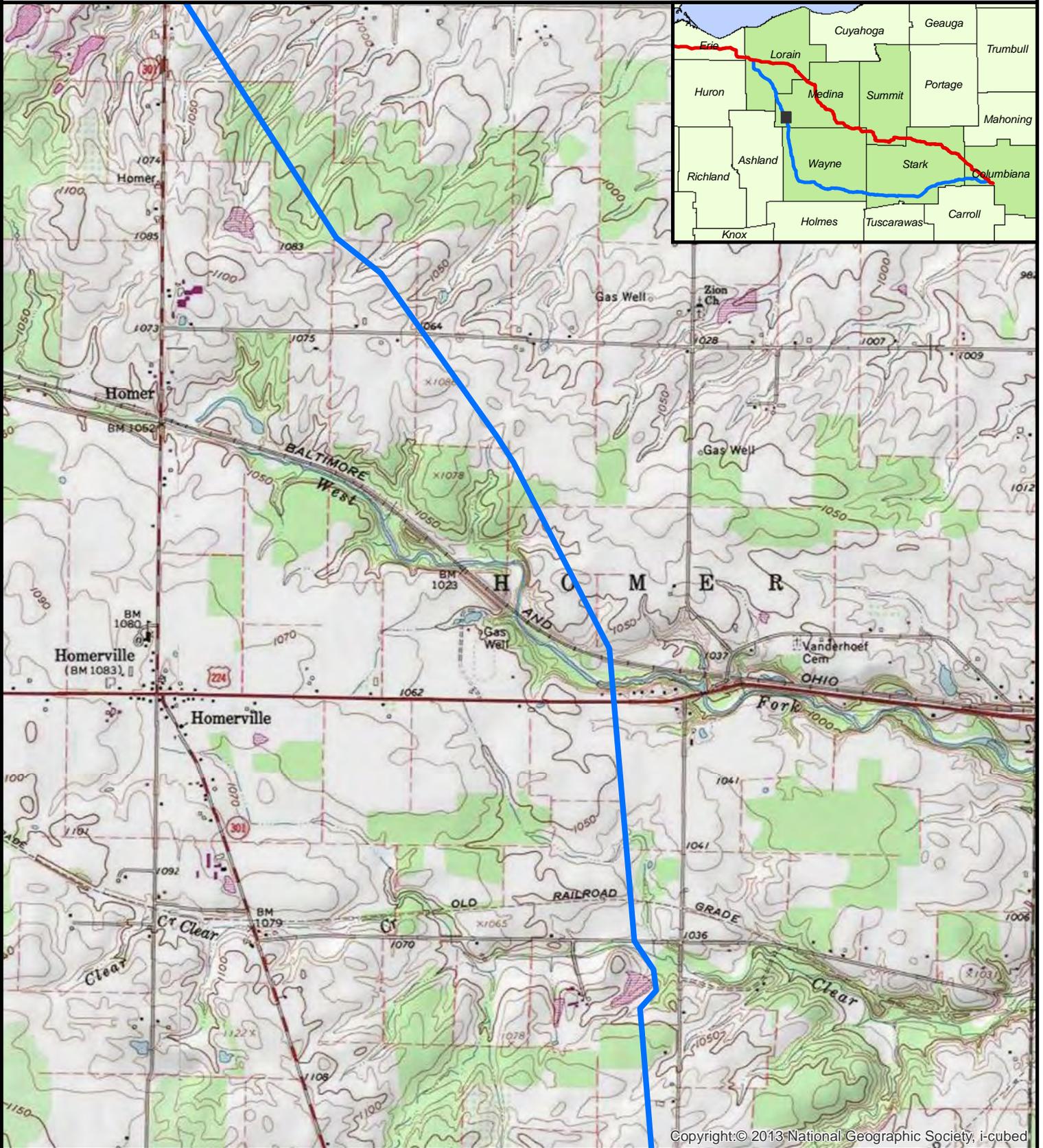
Map 26 of 33 1 in = 2,000 ft March 16, 2015

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Alternate Route for Proposed Nexus Pipeline



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

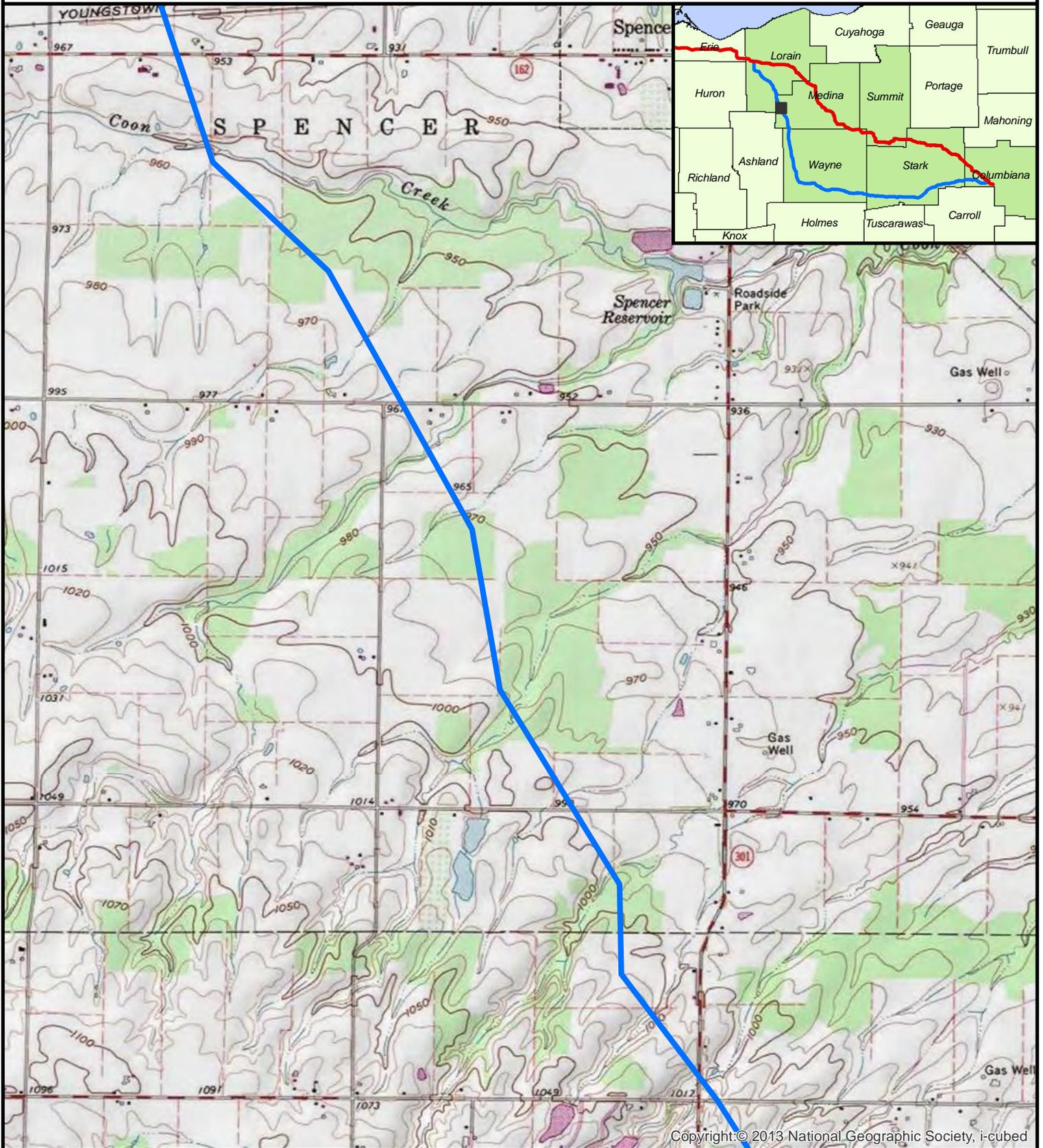
Map 27 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route for Proposed Nexus Pipeline



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

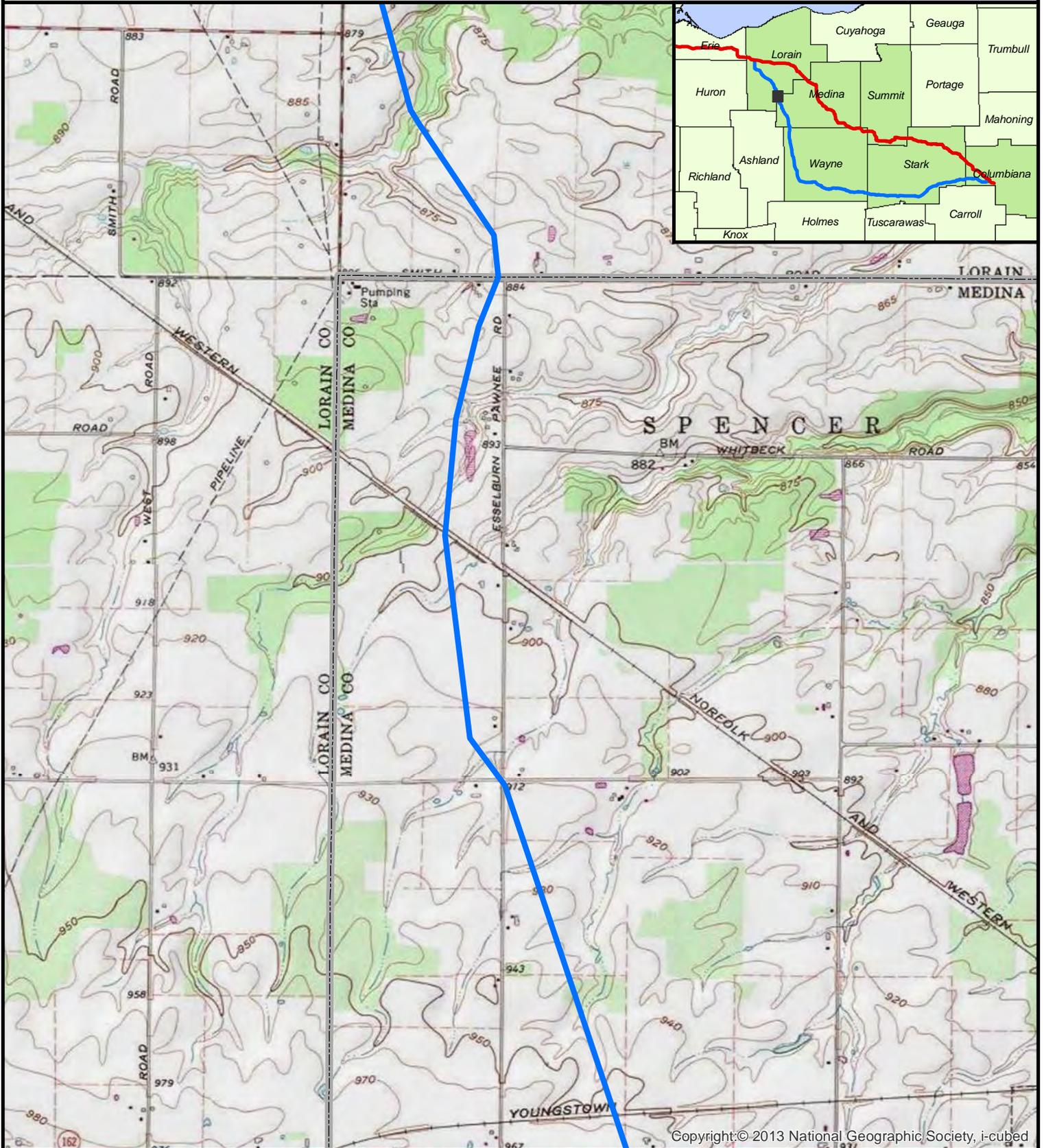
Map 28 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route for Proposed Nexus Pipeline



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

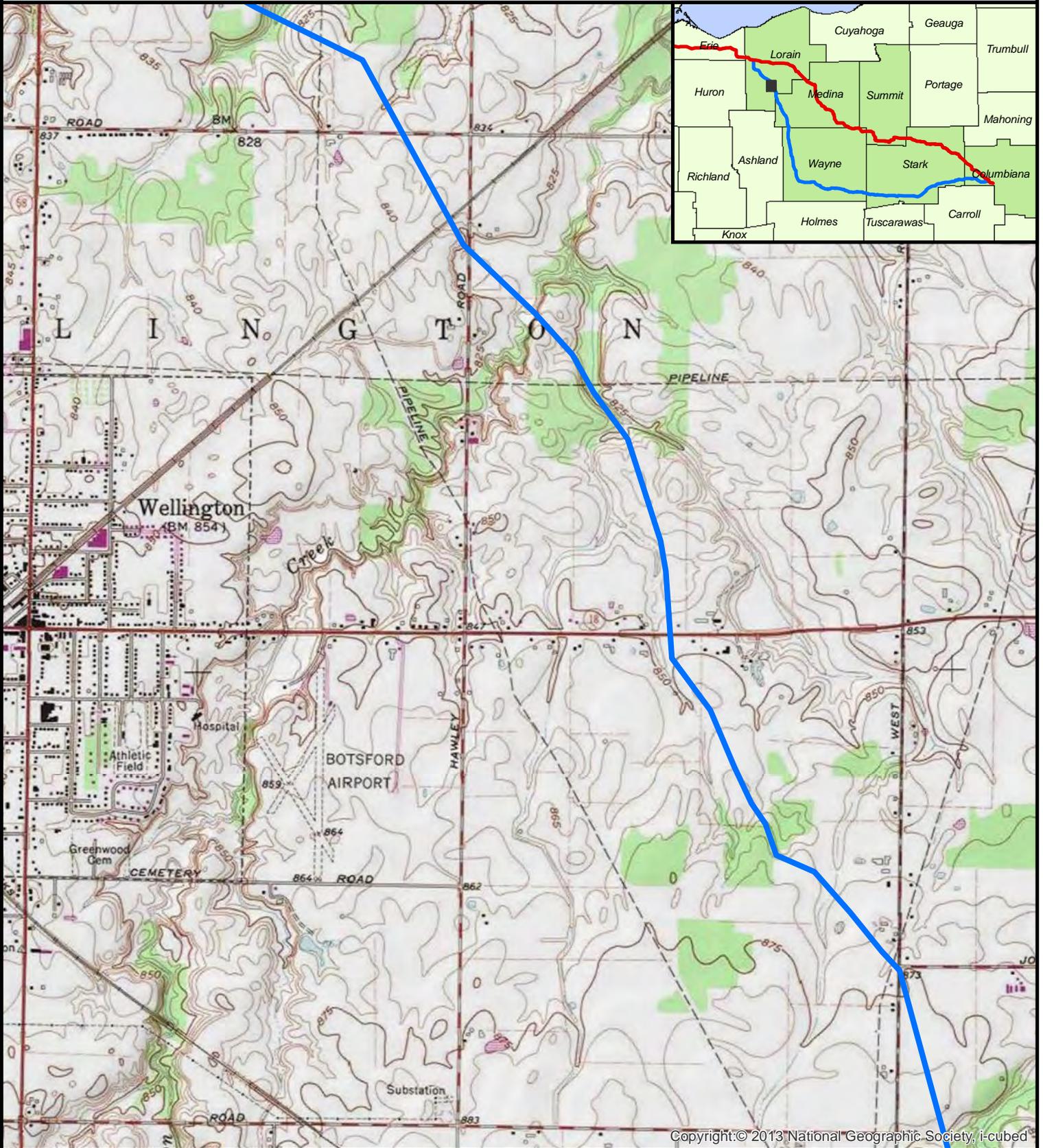
Map 29 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route for Proposed Nexus Pipeline



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

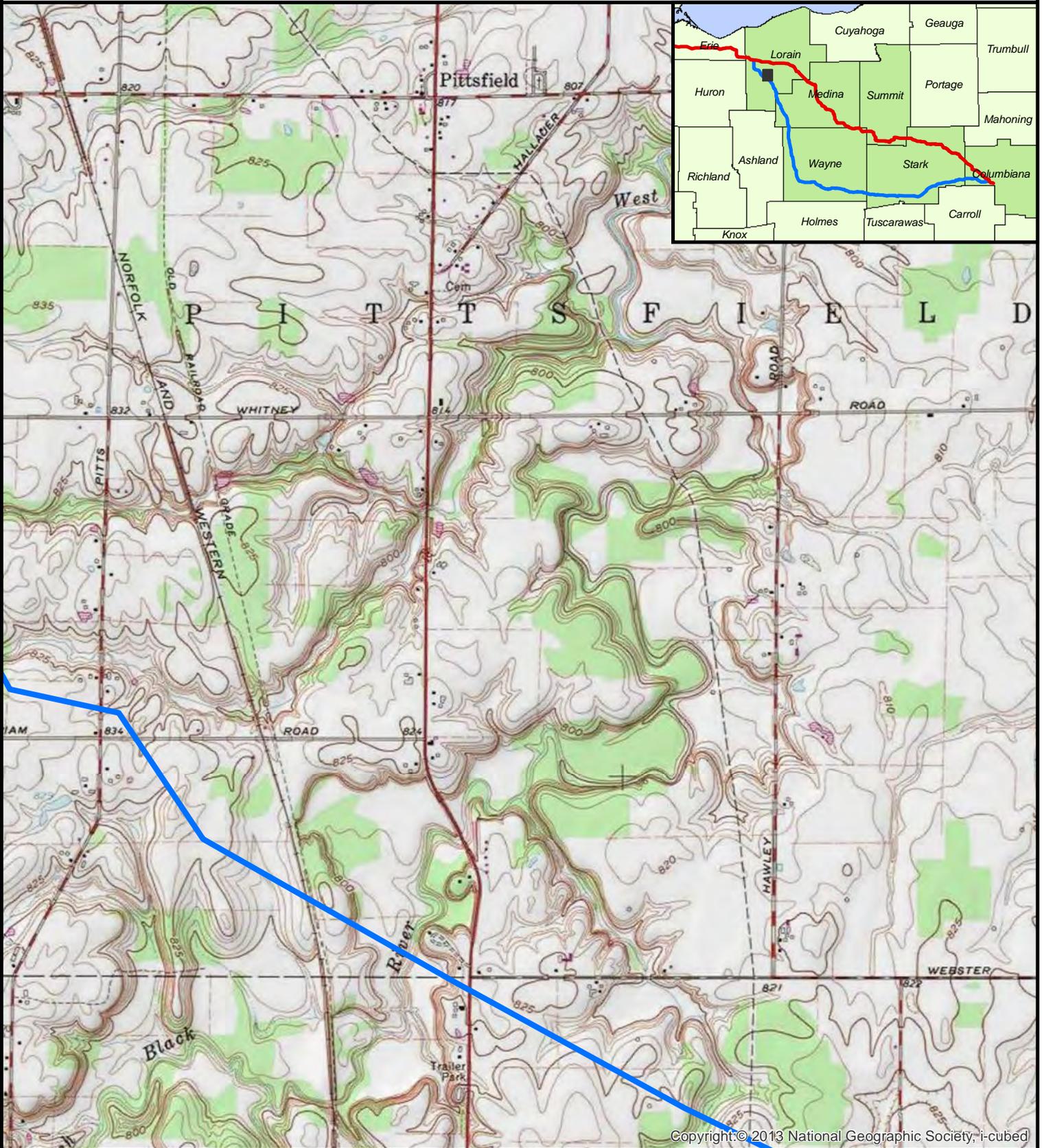
Map 30 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route for Proposed Nexus Pipeline



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

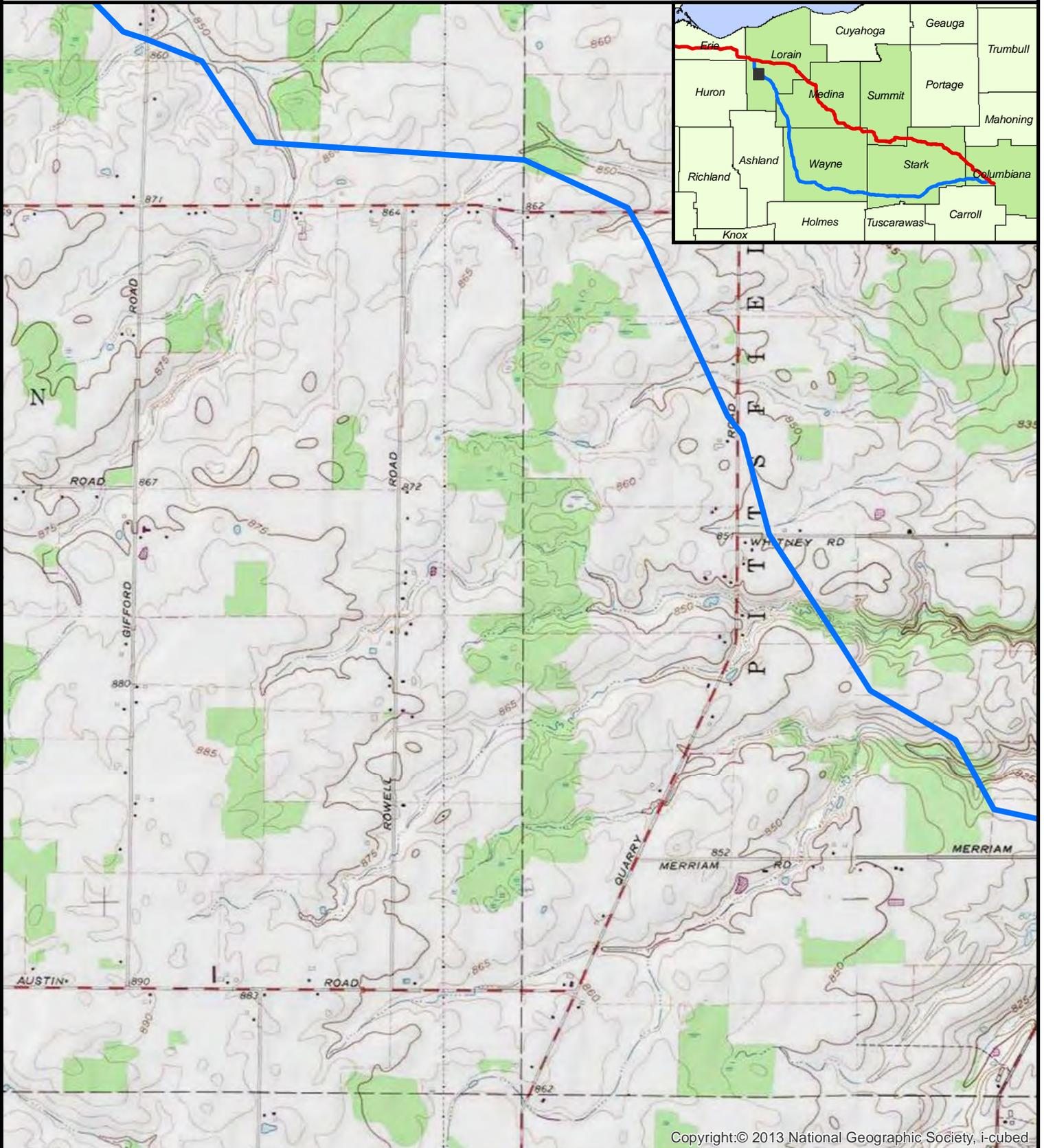
Map 31 of 33 1 in = 2,000 ft March 16, 2015



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Alternate Route for Proposed Nexus Pipeline



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Alternate Route

 Alternate Route

 Parallel Columbia Gas

 Parallel Rover Gas

 Nexus Route Jan 2015

 Columbia Gas Transmission

 Rover Transmission

Map 32 of 33

1 in = 2,000 ft

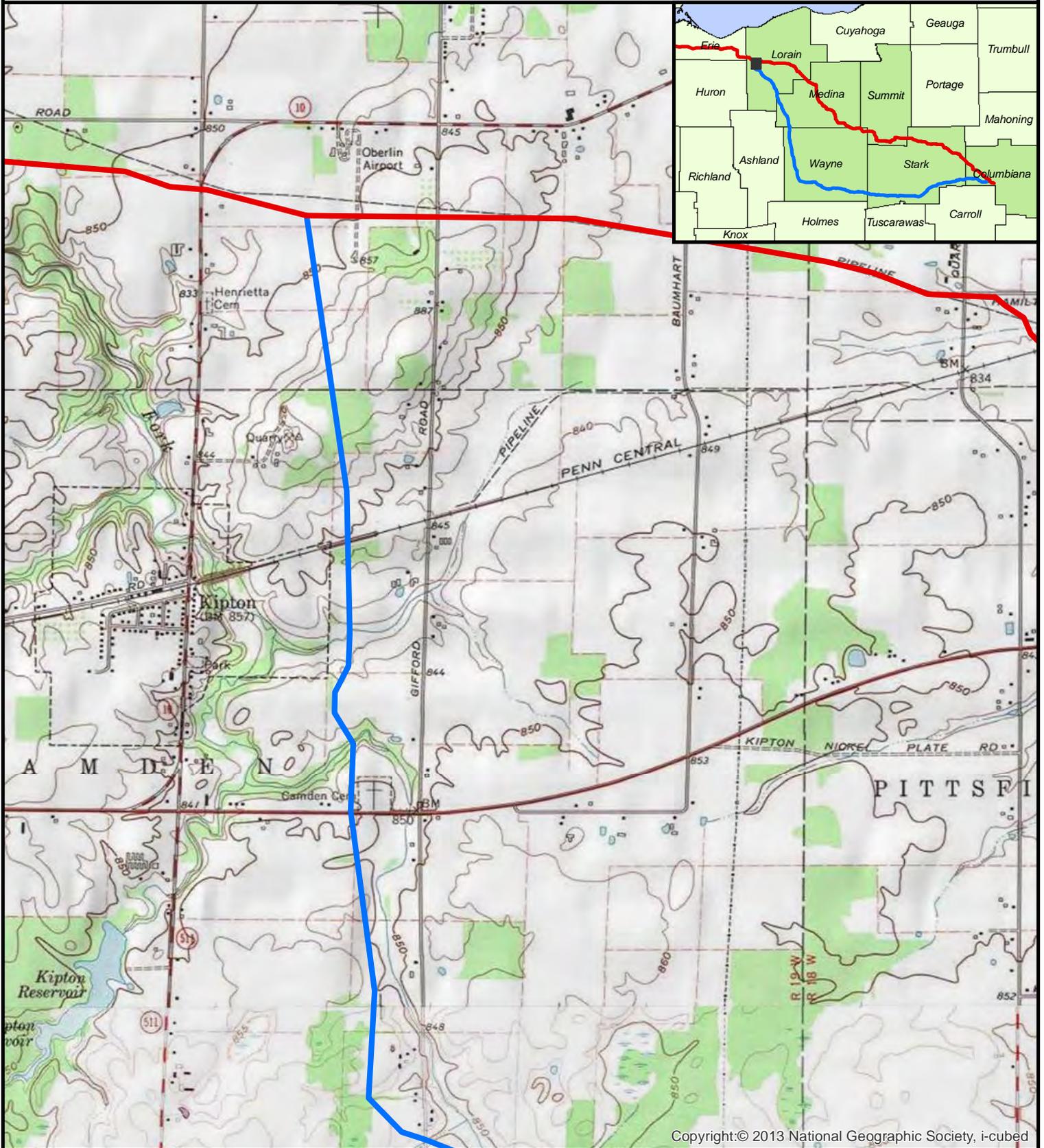
March 16, 2015



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Alternate Route for Proposed Nexus Pipeline



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Alternate Route

- Alternate Route
- Columbia Gas Transmission
- — Parallel Columbia Gas
- Rover Transmission
- — Parallel Rover Gas

Map 33 of 33 1 in = 2,000 ft March 16, 2015



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Wetland Analysis

Represents wetland or open water within 100' of either side of the pipeline.

(in acres)	Wetland Impact	
	Proposed Alternate Route	Nexus Route (January 2015)
Columbiana	4.46	9.11
Lorain	0.5	8.39
Medina	0.15	16.81
Stark	5.71	11.44
Summit	0	16.65
Wayne	15.56	0.25
Total	26.38	62.65
	0.26 acres/mile	0.67 acres/mile

Alternate route would impact 24 features totaling 26 acres of wetland or open water across 103.3 miles.

Nexus route as proposed would impact 80 features totaling 63 acres of wetland or open water across 93.4 miles.

Wetland data was obtained from the National Hydrography Dataset available from the USGS. (nhd.usgs.gov)

3/11/2015

Land Use Analysis

Number of structures within 1,500' of either side of the pipeline.

Nexus Route (January 2015)

	Columbiana	Stark	Summit	Wayne	Medina	Lorain	Total	
Residential *	192	1027	1718	405	728	447	4517	
Commercial	9	20	14	5	27	16	91	
Church	0	3	3	1	1	2	10	
School	0	1	2	0	0	0	3	
Park	0	0	3	0	1	2	6	
Electrical Substation	1	1	1	0	1	0	4	
Gas Compressor Station	0	0	3	0	0	2	5	
							4636	Total Structures
Length (miles)	10.5	20.5	15.3	6.1	22.9	18.1	93.4	Total Miles

49.64 Structures per mile

Proposed Alternate Route

	Columbiana	Stark	Summit	Wayne	Medina	Lorain	Total	
Residential *	126	442	0	492	119	214	1393	
Commercial	9	19	0	22	0	4	54	
Church	0	4	0	1	0	0	5	
School	0	0	0	0	0	0	0	
Park	1	0	0	0	0	0	1	
Electrical Substation	0	0	0	0	0	0	0	
Gas Compressor Station	0	1	0	0	0	0	1	
							1454	Total Structures
Length (miles)	8	31.7	0	38.9	11.1	13.6	103.3	Total Miles

14.08 Structures per mile

Proposed Alternate Route:	103.3 miles
Proposed Nexus Route:	93.4 miles
	<u> </u>
	9.9 Additional miles

*Only residential dwelling units were counted (not outbuildings).

LBRS (Location Based Response System) data was used for Columbiana, Stark, Wayne, Medina and Lorain. (ogrip.oit.ohio.gov/ProjectsInitiatives/LBRS.aspx)

Because LBRS data was not available, parcel data was used for Summit County. (summitmaps.summitoh.net/downloadsgallery/index.html)

Counts indicate number of structures impacted, not parcels.