

BOARD OF DIRECTORS

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*Southern Sandoval County
Arroyo Flood Control Authority*



2014 SSCAFCA Feasibility Study Proposal

December 2, 2014

Regional Flood Control Study

In response to Federal Register Notice FR Doc. 2014–18495, “*Proposals From Non-Federal Interests for Proposed Feasibility Studies and Proposed Modifications to Authorized Water Resources Development Projects or Feasibility Studies for Inclusion in the U.S. Army Corps of Engineers (USACE) Annual Report*”, The Southern Sandoval County Flood Control Authority (SSCAFCA) would like to submit the following proposal.

1. Provide the name of all non-Federal interests planning to act as the sponsor, including any non-Federal interest that has contributed or is expected to contribute toward the non-Federal share of the proposed feasibility study or modification.

The sponsor for the project is the Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA). SSCAFCA is an independent corporate political body with an elected board empowered to undertake the acquisition, improvement, maintenance and operation of flood and storm water control facilities on streams and watersheds which enter, originate or cross the Authority’s facilities. SSCAFCA was established in 1990 by New Mexico Statute Section 72-19-1 through 72-19-103. See Attachment A for a map of our jurisdiction.

2. State if this proposal is for a feasibility study or a modification to an authorized USACE project or feasibility study and, if a modification, specify the authorized project or study.

This proposal is for a new feasibility study.

3. State the project purpose of the proposed study or modification.

SSCAFCA is proposing a new feasibility level regional study to evaluate and fund a comprehensive flood damage reduction strategy throughout our jurisdiction using the alignment of the proposed Paseo del Volcan federal highway. In addition to needed flood damage reduction to life and property, this study will also benefit: energy production by reviewing protection of a large high pressure gas line which serves the entire Northern half

of the state of New Mexico and driver safety by protecting a federally funded interstate highway bypass loop (Paseo de Volcan). Although the main focus for our agency is flood damage reduction the impact of this study for protection of citizens both from gas explosions and road safety leverages the project for a much broader scope of community safety. See Attachment B for a project map.

4. Provide an estimate, to the extent practicable, of the total cost of the proposed study or modification.

Pursuant to existing USACE authority, the proposed cost of the feasibility study is \$100,000.

5. Describe, to the extent practicable, the anticipated monetary and non- monetary benefits of the proposal including benefits to the protection of human life and property; improvement to transportation; the national economy; the environment; or the national security interests of the United States.

The proposed regional project would provide significant benefits to the region, including protection of the human life and property, protection of a federal highway corridor, protection of a large regional natural gas distribution network that supplies natural gas to the entire State of New Mexico. As a recipient of “green infrastructure” funding on other projects, this project would also incorporate SSCAFCA’s commitment to the environment to enhance the quality of life for the communities in which we serve. See Attachment C for a more detailed description of potential impacts.

6. Describe if local support exists for the proposal.

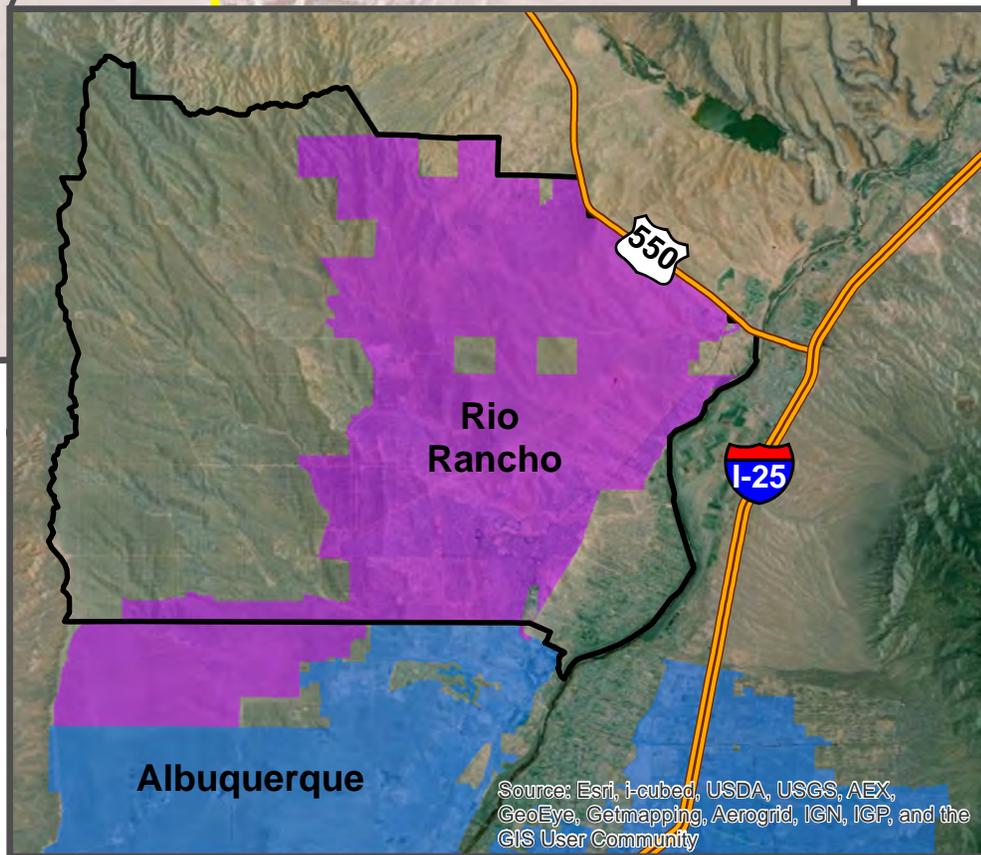
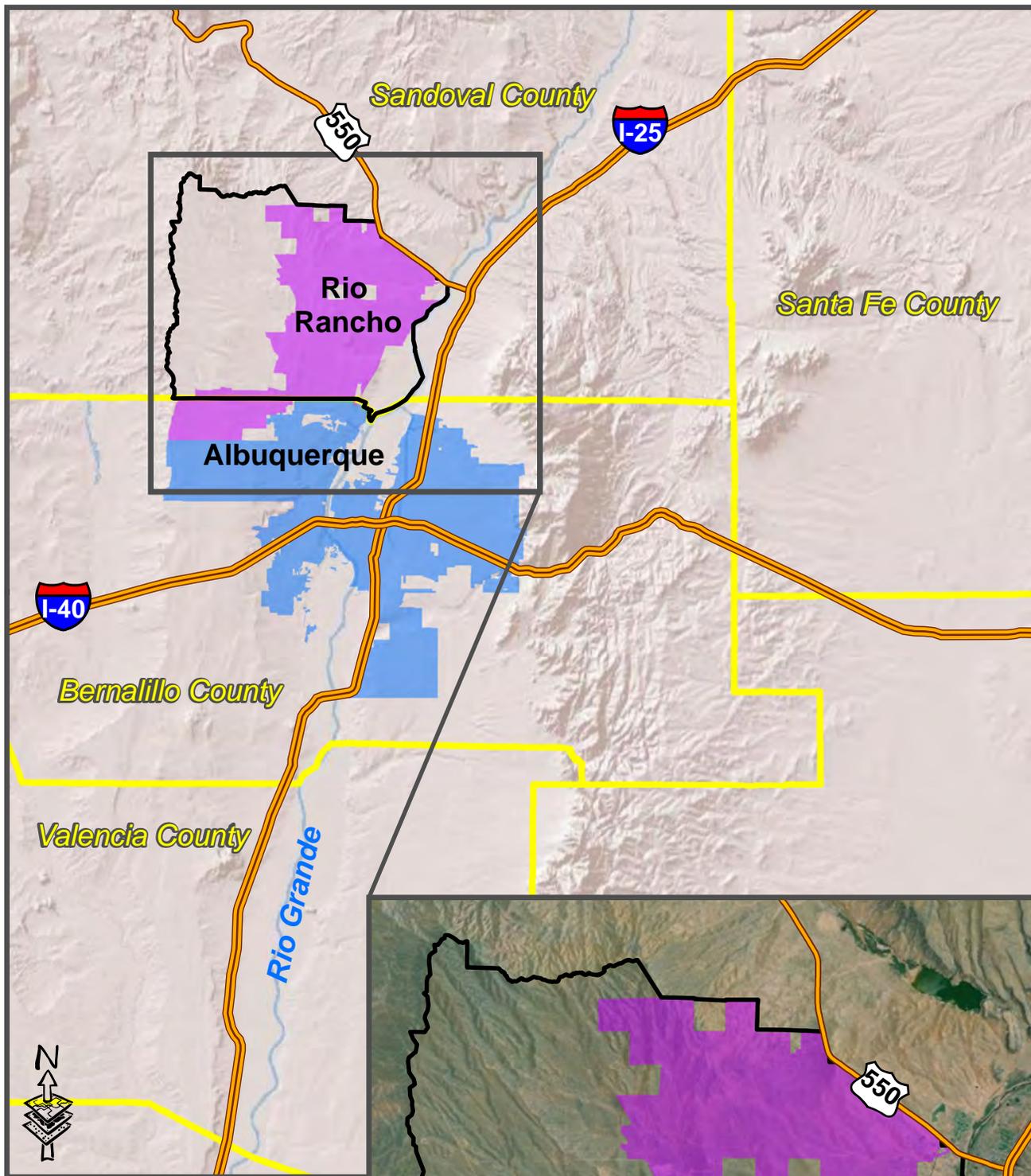
The SSCAFCA jurisdiction crossed several other jurisdictions, including Sandoval County, City of Rio Rancho, Town of Bernalillo and the Village of Corrales. SSCAFCA has strong support from these entities for construction of the proposed flood control facilities. In addition, the Mid Region Council of Governments (MRCOG) and the City of Albuquerque support efforts to protect and enhance the proposed Paseo del Volcan federal highway extension.

7. State if the non-Federal interest has the financial ability to provide for the required cost share.

SSCAFCA is funded through local Bonds. The Bonds are general obligations of the Southern Sandoval County Arroyo Flood Control Authority, payable solely out of general (ad valorem) property taxes which are pledged and required to be levied against all taxable property in the Authority without limitation as to rate or amount. SSCAFCA has the financial ability to provide for the required cost share.

8. Submit a letter or statement of support from each associated non- Federal interest.

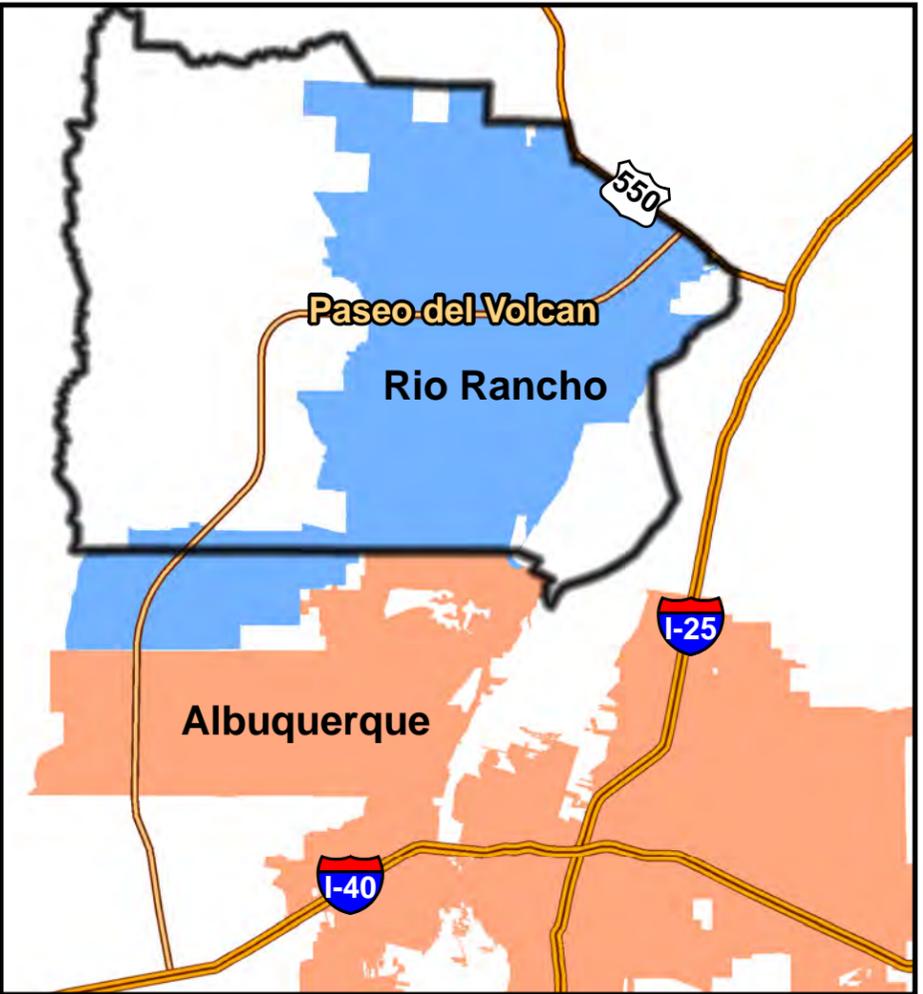
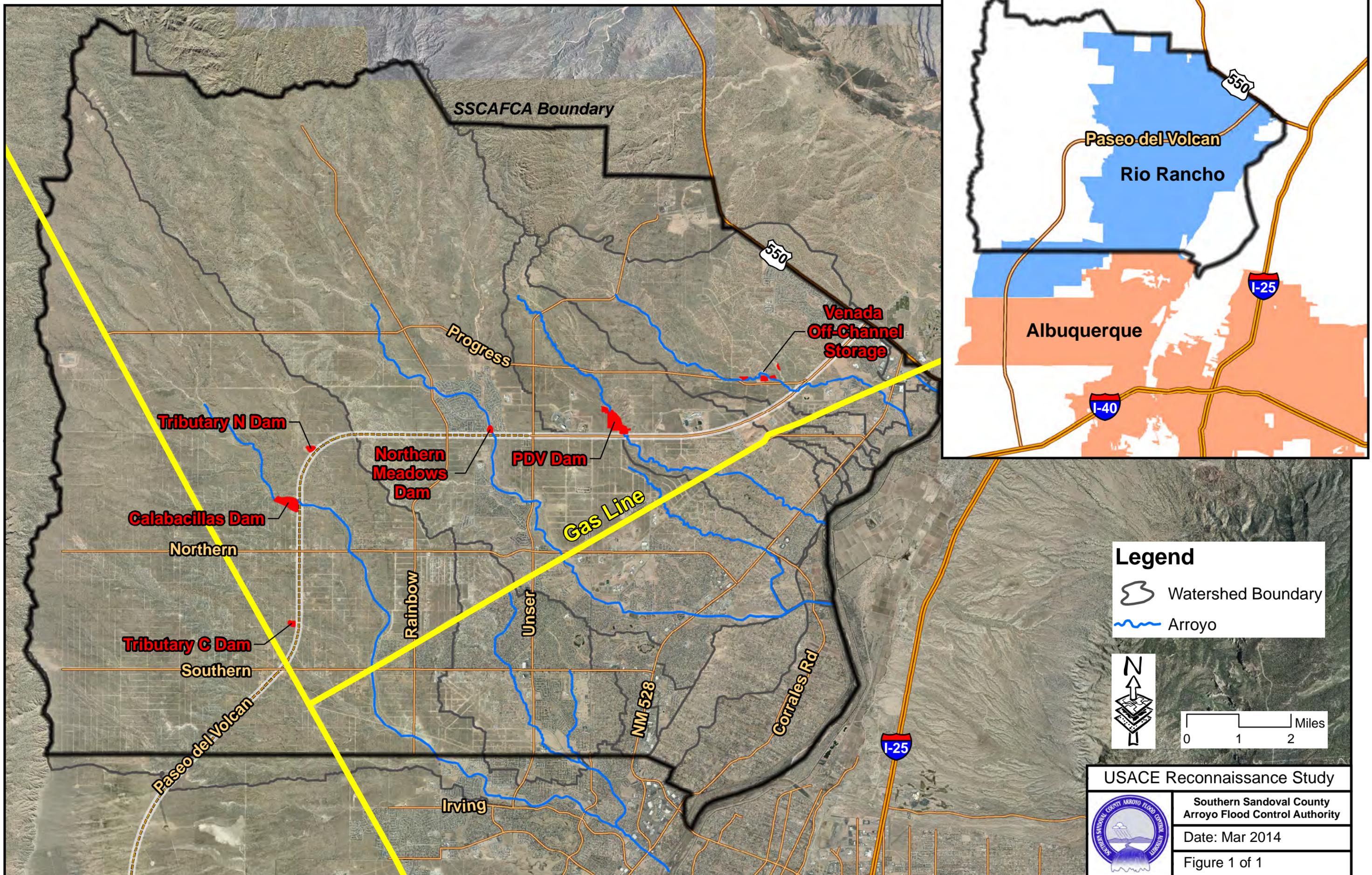
Not Applicable, as SSCAFCA is the only non-Federal interest providing funding.



Legend

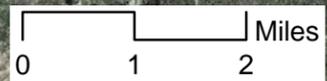
-  County Line
-  Albuquerque
-  Rio Rancho
-  SCAFCA Boundary

Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community



Legend

- Watershed Boundary
- Arroyo



USACE Reconnaissance Study

 Southern Sandoval County Arroyo Flood Control Authority

Date: Mar 2014

Figure 1 of 1

ATTACHMENT C

Potential Impacts of Storm Damage in SSCAFCA's Jurisdiction

Population at Risk: 7,000 living directly in area affected; 50,000 as a transient population based on traffic flow and impact to existing transportation corridors.

Major Roadways

	Major Roadways	Average weekday traffic flows (MRCOG, 2012)
Barranca	NM 528	19,200
Black	Southern Blvd	15,500
	Unser Blvd	31,400
Calabacillas	Northern Blvd	1,800
	Southern Blvd	4,600
Montoyas	Unser Blvd	26,600
	Northern Blvd	13,100
	NM 528 & Lomitas Negras Arroyo	23,100
	NM 528 & Montoyas Arroyo	38,000
	Corrales Road	7,500
Unnamed Arroyo	n/a	n/a
Venada	Unser Blvd	3,100
	NM 528	21,100

Utilities – Sanitary Sewer

Watershed	Sanitary Sewer	Estimate of Population Affected by Disruption
Barranca		
Black		
Calabacillas		
Montoyas	1.3 miles of sewer line in unlined Lomitas Negras Arroyo	~ 400 households, Rio Rancho City Center, UNM Hospital, UNM & CNM Rio Ranch campus
	Lift station in 100-year FEMA floodplain (flooded in 2006)	
	4.1 miles of sewer line in unlined Montoyas Arroyo; two non-hardened arroyo crossings; history of failure due to storm flows (2006, 2010, 2013)	~ 8000 households
Unnamed Arroyo	Sewer line crosses unlined arroyo	
Venada		

Natural Gas

Watershed	Natural Gas	Estimate of Population Affected by Disruption
Barranca	20" & 16" gas lines cross arroyo at Idalia Rd	Northern New Mexico
Black	20" & 16" gas lines cross arroyo at Idalia Rd	Northern New Mexico
Calabacillas	Santa Fe Junction - in the flow path of a tributary to the Calabacillas Arroyo; in 100-year FEMA floodplain	New Mexico (approx. 2 million)
	20" & 16" gas lines cross arroyo upstream of Southern Blvd	Northern New Mexico
Montoyas	20" & 16" gas lines cross arroyo at Idalia Rd; exposed during 2013 storm	Northern New Mexico
Unnamed Arroyo	20" & 16" gas lines cross arroyo downstream of NM 528	Northern New Mexico
Venada	20" & 16" gas lines cross arroyo downstream of Lincoln Ave	Northern New Mexico