

FPR 17-669

**Colorado Hazard Mapping Program, Phase I and Related Study Areas, Boulder
County**

COLORADO WATER CONSERVATION BOARD
721 State Centennial Building
1313 Sherman Street, Room 721
Denver, Colorado 80203

October 13, 2017

RESOLUTION

PREVIOUS FLOODPLAIN INFORMATION

WHEREAS, the following floodplain studies have been designated by the CWCB for Boulder County and its incorporated areas:

Table 1
Previously designated floodplain information for Boulder County and Incorporated Areas

Report Date	Res. #	Report Title	Author
01/69	04	Floodplain Information Report - Left-Hand Creek, Volume I Boulder County, Colorado	USACE, Omaha, NE
04/69	13	Floodplain Information Report - North Tributary Streams of Boulder Creek, Colorado, & Drainageways to S. Boulder Creek	Wright-McLaughlin Engineers
08/69	08	Floodplain Information Report - Boulder Creek and South Boulder Creek, Volume II, Boulder Metropolitan Region, Colorado	USACE, Omaha, NE
05/72	20	SFHIR - Boulder Creek, City of Boulder, Colorado	USACE, Omaha, NE
06/72	24	Floodplain Information Report - Upper St. Vrain Creek, Volume IV, Boulder County Colorado; Lower St. Vrain Creek, Volume III, Boulder County, Colorado	USACE, Omaha, NE
12/73	33	Major Drainageway Planning, South Boulder Creek, Volume I&II	R.W. Beck & Assoc.
06/75	47	Flood Hazard Area Delineation, Boulder Creek & Dry Creek, Boulder County Colorado	Leonard Rice Consulting Water Engineers, Inc.
10/76	66	Flood Hazard Analyses, Coal Creek and Rock Creek, Boulder and Weld Counties, Colorado	Soil Conservation Service, Denver, CO
01/77	77	Flood Insurance Study - City of Longmont	Gingery Associates, Inc.
01/78	111	Flood Insurance Study, City of Boulder, CO	Dames & Moore under FIA contract
02/78	126	Floodplain Information Report, (South) St. Vrain Canyon upstream of Lyons, Boulder County, CO	Camp, Dresser & McKee, Inc.
06/78	124	Floodplain Information, Dry Creek, Boulder County-Weld County, CO	USACE, Omaha
08/78	354.1	Flood Insurance Study, Boulder County, CO, Unincorporated Areas	HUD/FIA

Table 1 (continued)

Report Date	Res. #	Report Title	Author
02/79	145	Flood Insurance Study, Town of Nederland, CO, Boulder County	Howard, Needles, Tommen & Bergendoff
03/79	372	Flood Insurance Study, Town of Superior, CO, Boulder County	FEMA
09/79	371	Flood Insurance Study, City of Lafayette, CO, Boulder County	FEMA
02/80	201	Flood Insurance Study, Town of Lyons, Boulder County, Colorado	Howard, Needles, Tammen & Bergendoff
04/80	173	Floodplain Information and Flood Control & Drainage Plan, Dry Creek No. 1	Water Resource Consultants, Inc.
04/81	230	Flood Control and Floodplain Management Plan for St. Vrain Creek at Longmont, Colorado	Water Resources Consultants, Inc.
12/81	187	Floodplain Information Report, Upper Boulder Creek and Fourmile Creek, Boulder County, Colorado	Gingery Associates, Inc.
12/81	186	Floodplain Information Report, Lefthand Creek, Volume I (Mouth to Foothills Highway), Boulder County & City of Longmont	Gingery Associates, Inc.
01/83	253	Flood Insurance Study, Town of Jamestown, Boulder County, Colorado	Howard, Needles, Tammen & Bergendoff
01/83	215	Flood Hazard Area Delineation, Boulder Creek	Gingery Associates, Inc.
03/83	218	Flood Hazard Area Delineation, Lower Boulder Creek (Valley View Road to Boulder Weld County Line)	Muller Engineering Company, Inc.
08/83	223	Upper Lefthand Creek, Volume II, Boulder County, Colorado	Simons, Li and Associates, Inc.
08/83	354.12	Flood Insurance Study, City of Longmont, CO, Boulder County	FEMA
02/85	257	Proposed Amendments to the Flood Boundary and Floodway Maps for Dry Creek No. 1, City of Longmont	Taranto, Stanton and Tagge
07/86	265	Flood Hazard Area Delineation, South Boulder Creek	Greenhorne & O'Mara, Inc.
05/87	281	Flood Hazard Area Delineation, Boulder and Adjacent Boulder County Drainageways	Greenhorne & O'Mara, Inc.
09/87	463	Flood Insurance Study, City of Longmont, CO, Boulder County	FEMA
12/87	294	Floodplain Information Report, North St. Vrain and St. Vrain Creeks	Engineering Professionals, Inc.
07/88	336	Flood Insurance Study, Boulder County, Colorado, Unincorporated Areas	FEMA
08/88	298	Floodplain Information, St. Vrain Creek, Boulder County, Colorado	Boulder County Public Works Dept.
08/88	377	Flood Insurance Study, City of Boulder, CO, Boulder County	FEMA
12/88	295	Request for Letter of Map Revision Involving Fill, Bear Canyon Creek, CU Boulder Research Park, Boulder, Colorado	Love & Associates, Inc.
01/89	297	Request for Letter of Map Revision, Boulder Creek	Love & Associates, Inc.
05/90	341	Flood Insurance Study, City of Boulder, Colorado, Boulder County, Volumes 1&2	FEMA

Table 1 (continued)

Report Date	Res. #	Report Title	Author
07/90	337	Flood Insurance Study, Boulder County, Colorado, Unincorporated Areas	FEMA
08/94	378	Floodplain Information Report, Louisville, Colorado	CWCB
06/98	467	Floodplain Information Report, North St. Vrain & St. Vrain Creeks, Floodplain Update, Town of Lyons, Boulder County, Colorado	BRW, Inc.
06/95	536	Flood Insurance Study, Boulder County, CO and Incorporated Areas	FEMA
10/02	615	Flood Insurance Study, Boulder County, CO and Incorporated Areas	FEMA

; and

WHEREAS, previous floodplain information consists of detailed and approximate information that has become outdated; and

FLOODPLAIN INFORMATION TO BE DESIGNATED

WHEREAS, the Colorado Water Conservation Board (CWCB) completed a new report entitled “Colorado Hazard Mapping Program, Phase I and Related Study Areas, Boulder County” dated April 2017; and

WHEREAS, said new report contains new detailed 100-year and 500-year floodplain and floodway information for North Saint Vrain Creek, South Saint Vrain Creek, Middle Saint Vrain Creek, Saint Vrain Creek, Dry Creek #2, Two Mile Canyon Creek, Lower Boulder Creek, Dry Creek #3 (previously known as “New Dry Creek”), Middle Boulder Creek, Boulder Creek; and

WHEREAS, said new report contains approximate 100-year floodplain information for Cabin Creek, North Saint Vrain Creek, South Saint Vrain Creek, Fourmile Canyon Creek, North Boulder Creek, Middle Boulder Creek, South Boulder Creek, Coal Creek, and Rock Creek; and

LOCAL REQUEST FOR DESIGNATION

WHEREAS, the study resulting in the said new report was prepared to assist government officials in managing and regulating the aforementioned stream reaches during the recovery from the 2013 flood event; and

WHEREAS, Boulder County transmitted a letter dated April 20, 2017 to the CWCB requesting designation and approval of said new study for Boulder County and its incorporated areas; and

WHEREAS, the study results were presented to staff of Boulder County and all affected municipalities at the draft and final stages of the analysis and local staff and elected officials have been supportive of the study effort; and

WHEREAS, CWCB staff concurs with the request from Boulder County for designation and approval of the study; and

C.R.S. AUTHORITY

WHEREAS, Section 37-60-106(1)(c), Colorado Revised Statutes, requires the Colorado Water Conservation Board to assist in the prevention of floods and flood damages therefrom; and

WHEREAS, Sections 31-23-301 and 30-28-111, Colorado Revised Statutes, provide that legislative bodies of local jurisdictions may provide zoning regulations for land uses on or along any storm or floodwater runoff channel or basin only after designation and approval by the Colorado Water Conservation Board; and

WHEREAS, Section 37-60-106(1)(c), Colorado Revised Statutes, directs the Colorado Water Conservation Board to designate and approve storm or floodwater runoff channels or basins and to make such designations available to legislative bodies of local jurisdictions; and

CONSISTENCY WITH PREVIOUS FLOODPLAIN STUDIES

WHEREAS, the detailed 100-year and 500-year floodplain and floodway information for North Saint Vrain Creek, South Saint Vrain Creek, Middle Saint Vrain Creek, Saint Vrain Creek, Dry Creek #2, Two Mile Canyon Creek, Lower Boulder Creek, Dry Creek #3 (previously known as “New Dry Creek”), Middle Boulder Creek, Boulder Creek revises and is, therefore, inconsistent with the detailed and approximate floodplain information for North Saint Vrain Creek, South Saint Vrain Creek, Middle Saint Vrain Creek, Saint Vrain Creek, Dry Creek #2, Two Mile Canyon Creek, Lower Boulder Creek, Dry Creek #3 (previously known as “New Dry Creek”), Middle Boulder Creek, Boulder Creek contained in Resolutions No. 615 and previous resolutions; and

WHEREAS, the approximate 100-year floodplain information for Cabin Creek, North Saint Vrain Creek, South Saint Vrain Creek, Fourmile Canyon Creek, North Boulder Creek, Middle Boulder Creek, South Boulder Creek, Coal Creek, and Rock Creek contained in Resolutions 615 and previous resolutions; and

COMPLIANCE WITH CWCB TECHNICAL STANDARDS

WHEREAS, said new report is based on hydrologic information developed by CDOT and others using various hydrologic methods that are all acceptable under CWCB standards; and

WHEREAS, water surface elevations for the 100-year flood frequency and other frequencies for the studied stream reach were computed using the Corps of Engineers backwater computer model HEC-2 assuming unobstructed flow; and

WHEREAS, floodway limits for the 100-year flood frequency were computed using the Corps of Engineers backwater computer model HEC-RAS; and

WHEREAS, the new detailed 100-year and 500-year floodplain and floodway information for North Saint Vrain Creek, South Saint Vrain Creek, Middle Saint Vrain Creek, Saint Vrain Creek, Dry Creek #2, Two Mile Canyon Creek, Lower Boulder Creek, Dry Creek #3 (previously known as "New Dry Creek"), Middle Boulder Creek, Boulder Creek and approximate 100-year floodplain information for Cabin Creek, North Saint Vrain Creek, South Saint Vrain Creek, Fourmile Canyon Creek, North Boulder Creek, Middle Boulder Creek, South Boulder Creek, Coal Creek, and Rock Creek in said new report meets the requirements listed under the Board's "Rules and Regulations for Regulatory Floodplains in Colorado" (2 CCR 408-1); and

WHEREAS, Boulder County and its incorporated municipalities should consider regulating new development and construction in floodplain areas on a case-by-case basis based on the information presented in said new report, or based on the best available floodplain information that is accessible to the communities; and

WHEREAS, this designation does not formally rescind previous resolutions as it is considered best available data, and previous data may be used at the discretion of Boulder County and its incorporated municipalities if deemed appropriate on a case by case basis; and

WHEREAS, information presented in this report does not formally alter the Flood Insurance Study for Boulder County and its incorporated municipalities at the time of designation; and

WHEREAS, Boulder County and its incorporated municipalities may continue to regulate according to the effective Flood Insurance Study if the communities deem this to be the most appropriate information available; and

DESIGNATION, APPROVAL AND RESCISSION ACTION

NOW, THEREFORE, BE IT RESOLVED by the Colorado Water Conservation Board in a regular meeting assembled in Pagosa Springs, Colorado, this 17th day of May, 2017, that it does hereby designate and approve the detailed and approximate 100-year and 500-year floodplain and floodway information for Boulder County and its incorporated municipalities contained in said new report dated April 2017; and

BE IT FURTHER RESOLVED that the Secretary of the Board is directed to send a certified copy of this resolution to Boulder County, Town of Erie, City of Lafayette, City of Longmont, Town of Lyons, Town of Nederland, the Urban Drainage and Flood Control District, and FEMA.

CERTIFICATE

I certify that the foregoing is a true and correct copy of a resolution adopted by a majority vote of the members of the Colorado Water Conservation Board in regular session assembled at Pagosa Springs, Colorado on the 17th day of May, 2017, at which a quorum was present.

A handwritten signature in cursive script, reading "Rebecca Mitchell", written in dark ink. The signature is fluid and stylized, with the first letters of the first and last names being capitalized and prominent.

Rebecca Mitchell, Director