



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

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TO: Colorado Water Conservation Board Members

FROM: Kevin Houck, P.E. CFM
Watershed & Flood Protection Section

DATE: October 31st, 2017

AGENDA ITEM: Consent Agenda Item 3. November 15 Board Meeting Watershed
and Flood Protection – Floodplain Designations

Background: Consent Agenda Item 3 includes 20 new floodplain studies that are proposed for CWCB action. Staff is requesting Board designation and approval for these items. The renumbering actions are needed due to duplicated assigned numbers from multiple studies. A brief summary of the study is presented in the attached document.

CWCB staff performs technical reviews of floodplain information to assure the Board that the information is in compliance with the requirements of the CWCB's "Rules and Regulations for Regulatory Floodplains in Colorado," 2 CCR 408-1. A further discussion of legislative authority and responsibilities delegated to the CWCB, is provided in the attached document. The CWCB's designation and approvals greatly assist local communities in meeting the statutory requirements of the State and the regulatory requirements of the National Flood Insurance Program.

Additional supporting information for this item is attached.

Requested action for Floodplain Resolution 17-670: Staff recommends that the Board: 1) designate and approve the 100-year approximate floodplain information contained in said report within Elbert County and its incorporated municipalities, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Elbert County, Town of Elizabeth, Town of Kiowa, Town of Simla, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-671: Staff recommends that the Board: 1) designate and approve the detailed 100-year and 500-year information and 100-year approximate floodplain information contained in said report within Rio Grande County, City of Monte Vista, Town of Del Norte, and Town of South Fork, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Rio Grande County, City of Monte Vista, Town of Del Norte, and Town of South Fork, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution FPR #17-672: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Summit County, Town of Blue River, Town of Breckenridge, Town of Dillon, Town of Frisco, Town of Montezuma, Town of Silverthorne, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Summit County, Town of Blue River, Town of Breckenridge, Town of Dillon, Town of Frisco,

Town of Montezuma, Town of Silverthorne and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-673: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Montrose County, City of Montrose, Town of Naturita, Town of Nucla, Town of Olathe, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Montrose County, City of Montrose, Town of Naturita, Town of Nucla, Town of Olathe and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-674: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Fremont County, Town of Brookside, City of Canon City, Town of Coal Creek, City of Florence, Town of Rockvale, Town of Williamsburg, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Fremont County, Town of Brookside, City of Canon City, Town of Coal Creek, City of Florence, Town of Rockvale, Town of Williamsburg and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-675: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Clear Creek County, Town of Empire, Town of Georgetown, City of Idaho Springs, Town of Silver Plume, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Clear Creek County, Town of Empire, Town of Georgetown, City of Idaho Springs, Town of Silver Plume, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-676: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Mesa County, Town of Collbran, Town of De Beque, City of Fruita, City of Grand Junction, Town of Palisade, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Mesa County, Town of Collbran, Town of De Beque, City of Fruita, City of Grand Junction, Town of Palisade and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution FPR #17-677: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Boulder County, City of Boulder, Town of Erie, Town of Jamestown, Town of Lafayette, City of Longmont, City of Louisville, Town of Lyons, Town of Nederland, Town of Superior, Town of Ward, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District, Boulder County, City of Boulder, Town of Erie, Town of Jamestown, Town of Lafayette, City of Longmont, City of Louisville, Town of Lyons, Town of Nederland, Town of Superior, Town of Ward, and Urban Drainage and Flood Control District and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-678: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Larimer County, Town of Berthoud, Town of Estes Park, City of Fort Collins, Town of Johnstown, City of Loveland, Town of Timnath, Town of Wellington, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Larimer County, Town of Berthoud, Town of Estes Park, City of Fort Collins,

Town of Johnstown, City of Loveland, Town of Timnath, Town of Wellington and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution #17-679: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Gunnison County, Town of Crested Butte, City of Gunnison, Town of Marble, Town of Mt. Crested Butte, Town of Pitkin, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Gunnison County, Town of Crested Butte, City of Gunnison, Town of Marble, Town of Mt. Crested Butte, Town of Pitkin and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-680: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within the City and County Denver, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District,, City and County of Denver, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-681: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within the City and County of Broomfield, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to the City and County of Broomfield and the Urban Drainage and Flood Control District, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution FPR #17-682: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Jefferson County, City of Arvada, Town of Bow Mar, City of Edgewater, City of Golden, Town of Lakeside, City of Lakewood, Town of Morrison, City of Wheatridge, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District, Jefferson County, City of Arvada, Town of Bow Mar, City of Edgewater, City of Golden, Town of Lakeside, City of Lakewood, Town of Morrison, City of Wheatridge, Town of Mountain View, City of Westminster and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-683: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Weld County, City of Dacono, Town of Eaton, City of Evans, Town of Firestone, Town of Gilcrest, Town of Keenesburg, City of Fort Lupton, Town of Fredrick, Town of Hudson, Town of La Salle, Town of Meade, Town of Milliken, Town of Nunn, Town of Pierce, Town of Platteville, Town of Severance, Town of Windsor, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Weld County, City of Dacono, Town of Eaton, City of Evans, Town of Firestone, Town of Gilcrest, Town of Keenesburg, City of Fort Lupton, Town of Fredrick, Town of Hudson, Town of La Salle, Town of Meade, Town of Milliken, Town of Nunn, Town of Pierce, Town of Platteville, Town of Severance, Town of Windsor and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution #17-684 Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Prowers County, Town of Granada, Town of Holly, City of Lamar, Town of Wiley, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Prowers County, Town of Granada, Town of Holly, City

of Lamar, Town of Wiley and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-685: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Logan County, City of Sterling, Town of Fleming, Town of Crook, Town of Peetz, Town of Iliff, Town of Merino, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Logan County, City of Sterling, Town of Fleming, Town of Crook, Town of Peetz, Town of Iliff, Town of Merino and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-686 Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Douglas County, Town of Castle Rock, Town of Parker, City of Castle Pines, City of Lone Tree, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District, Douglas County, Town of Castle Rock, Town of Parker, City of Castle Pines, City of Lone Tree and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-687: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Adams County and its incorporated municipalities, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District, Adams County, Town of Bennett, City of Brighton, City of Commerce City, City of Federal Heights, City of Northglenn, City of Thornton, City of Westminster, City of Aurora, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 17-688: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Arapahoe County and its incorporated municipalities, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District, Arapahoe County, City of Aurora, City of Centennial, City of Cherry Hills Village, Town of Columbine Valley, City of Deer Trail, City of Englewood, Town of Foxfield, City of Glendale, City of Greenwood Village, City of Littleton, City of Sheridan, the Urban Drainage and Flood Control District, and FEMA. This action is recommended in order to meet statutory requirements.

Requested Action for Floodplain Resolution 17-689: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report for the subject reaches within the City of Longmont, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to the City of Longmont, and to FEMA. This action is recommended in order to meet statutory requirements.

Attachment - Supporting Information

Consent Agenda Item 3 - Floodplain Designations

November 2017

Summary

Consent Agenda Item 3 includes 20 floodplain studies/maps that are proposed for CWCB action. Staff is requesting Board designation and approval for these items. A brief summary of the studies is presented below.

CWCB staff performs technical reviews of floodplain information to assure the Board that the information is in compliance with the requirements of the CWCB's "Rules and Regulations for Regulatory Floodplains in Colorado," 2 CCR 408-1. Furthermore, Sections 31-23-301 and 30-28-111, Colorado Revised Statutes, state 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 CWCB. In addition, Section 37-60-106(1)(c), Colorado Revised Statutes, directs the CWCB to designate and approve storm or floodwater runoff channels or basins and to make such designations available to legislative bodies of local jurisdictions.

The CWCB's designation and approvals greatly assist local communities in meeting the statutory requirements of the State and the regulatory requirements of the National Flood Insurance Program. Floodplain information is broadly categorized as detailed or approximate using the following definitions. Detailed floodplain information means floodplain information prepared using topographic base maps, hydrologic analyses, and hydraulic calculations to arrive at precise water surface profiles and floodplain delineations suitable for making land use decisions under statutorily authorized zoning powers. Approximate floodplain information means floodplain information prepared using a significantly reduced level of detail to arrive at floodplain (hazard delineation) without water surface profiles.

CWCB staff performs technical reviews on the following types of reports and maps for approval and designation by the Board:

"Flood Insurance Study" (FIS), which is produced by the Federal Emergency Management Agency (FEMA) and used for floodplain management, regulation, and insurance purposes.

"Flood Insurance Rate Map" (FIRM), which is produced by FEMA and used for floodplain management, regulation, and insurance purposes. A FIRM may be published with or without an associated hydrologic and hydraulic report.

"Flood Hazard Boundary Map" (FHBM), which was produced by the Federal Insurance Administration and are used for floodplain management, regulation, and insurance purposes. An FHBM usually depicts approximate floodplain boundaries only, and does not have an accompanying report. Note: For all FHBM designations, the CWCB staff will perform (in-house or by contract with a consultant) hydrologic analyses.

"Floodplain Information Report", which is produced by local governments, state and federal agencies, special districts, or the private sector, and are used for floodplain management purposes and sometimes adopted by FEMA for use in Flood Insurance Rate Map revisions.

Various hydrology studies and related floodplain studies (community-wide or site specific) that depict 100-year floodplain information that is useful for floodplain management purposes.

“Floodplain Information” is a generic term used to describe any of the above types of reports and/or maps in the CWCB’s “rules and regulations...”

“Floodplain Resolution” is a formal document prepared by CWCB staff describing the Floodplain Information that is to be designated and approved by the Board.

Summary of Designation Actions

Floodplain resolution number: FPR Designation #17-670

Affected communities: Elbert County, Town of Elizabeth, Town of Kiowa, Town of Simla

Name of study to be formally acted on: “Flood Insurance Study, Elbert County, Colorado and Incorporated Areas” dated March 17, 2011 by the Federal Emergency Management Agency

Studied Streams: No streams in the county were studied by detailed methods. This report includes approximate 100-year floodplain information for the following streams: Antelope Creek, Apache Creek, Beaver Creek, Big Sandy Creek, East Bijou Creek, Coal Creek, Comanche Creek, Dry Creek, Gold Creek, Gopher Creek, Horse Creek, Kiowa Creek, Middle Bijou Creek, Muddy Creek, Mustang Creek, Reed Springs Creek, Running Creek, South Rush Creek, West Bijou Creek, and Wolf Creek. The subject streams are in the South Platte and Arkansas River watersheds.

Technical Issues: The study includes all major waterways within Elbert County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Elbert County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on May 19th and May 20th, 2010. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the two final Community Coordination (CCO) meetings attended by representatives of FEMA, the CWCB, Elbert County, the Towns of Elizabeth, Kiowa, and Simla, and the study contractor. All concerns raised during this meeting have been resolved. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County’s regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Elbert County and its incorporated municipalities is in conformance with the CWCB’s rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-670: Staff recommends that the Board: 1) designate and approve the 100-year approximate floodplain information contained in said report within Elbert County and its incorporated municipalities, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Elbert County, Town of Elizabeth, Town of Kiowa, Town of Simla, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-671

Affected communities: Rio Grande County, City of Monte Vista, Town of Del Norte, and Town of South Fork

Name of study to be formally acted on: “Flood Insurance Study, Rio Grande County and Incorporated Areas”, by the Federal Emergency Management Agency, September 2, 2011.

Studied streams: The report includes detailed 100-year and 500-year floodplain information for South Fork, Rio Grande River, and Willow Creek. It includes approximate 100-year floodplain information for Nicomodes Gulch, Old Woman Creek, Farmer’s Union Canal, Raton Creek, Rock Creek, Cat Creek, Alamosa River. The subject streams are in the Rio Grande watershed.

Technical Issues: The study includes all major waterways within Rio Grande County and its incorporated communities. This restudy incorporates a number of new studied stream



reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Rio Grande County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on May 18, 2010 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Rio Grande County and its incorporated municipalities is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-671: Staff recommends that the Board: 1) designate and approve the detailed 100-year and 500-year information and 100-year approximate floodplain information contained in said report within Rio Grande County, City of Monte Vista, Town of Del Norte, and Town of South Fork, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Rio Grande County, City of Monte Vista, Town of Del Norte, and Town of South Fork, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR #17-672

Affected communities: Summit County, Town of Blue River, Town of Breckenridge, Town of Dillon, Town of Frisco, Town of Montezuma, Town of Silverthorne.

Name of study to be formally acted on: "Flood Insurance Study, Summit County, Colorado and Incorporated Areas", by the Federal Emergency Management Agency, November 16, 2011.

Studied streams: The report includes detailed 100-year and 500-year floodplain information for Cucumber Gulch, French Gulch, Illinois Gulch, Jones Gulch, Jug Creek, Lehman Gulch, Meadow Creek, Miners Creek, No Name Creek, North Fork Snake River, Sawmill Gulch, Snake River, Soda Creek, South Barton Gulch, Straight Creek, Swan River, Tenmile Creek, Tenmile Creek Side Channel No. 1, Tenmile Creek Side Channel No. 2, West Tenmile Creek, Willow Creek. It includes approximate 100-year floodplain information for Blue River, Snake River, Soda Creek, French Gulch, South Barton Gulch. The subject streams are in the Colorado River watershed.

Technical Issues: The study includes all major waterways within Summit County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Summit County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held in which all affected communities were invited. The results of the countywide DFIRM Conversion project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at a final Community Coordination (CCO) meeting



attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Summit County and its incorporated municipalities is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution FPR #17-672: Staff recommends that the Board:

1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Summit County, Town of Blue River, Town of Breckenridge, Town of Dillon, Town of Frisco, Town of Montezuma, Town of Silverthorne, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Summit County, Town of Blue River, Town of Breckenridge, Town of Dillon, Town of Frisco, Town of Montezuma, Town of Silverthorne and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-673

Affected communities: Montrose County, City of Montrose, Town of Naturita, Town of Nucla, Town of Olathe

Name of study to be formally acted on: "Flood Insurance Study, Montrose County, Colorado and Incorporated Areas" dated January 6, 2012 by the Federal Emergency Management Agency

Studied Streams: The report includes detailed 100-year and 500-year floodplain information for following streams: Cedar Creek, Dry Cedar Creek, Happy Canyon Creek, Happy Canyon Creek Overbank, Montrose Arroyo, San Miguel River, Uncompahgre River. The report includes approximate 100-year floodplain information for Alkali Creek, Broad Canyon, Calamity Draw, Cedar Creek, Cimarron River, Coal Creek, Crystal Creek, Dolores River, Dry Creek, Dry Cedar Creek, East Paradox Creek, Gunnison River, Hamilton Creek, Horsefly Creek, Iron Creek, Little Cimarron Creek, Loutsenlinzer Canal, Maverick Draw, Muddy Creek, Naturita Creek, San Miguel River, Spring Creek, Squaw Creek, Tabeguache Creek, and Uncompahgre River. The subject reaches are in the Gunnison and SW watersheds.

Technical Issues: The study includes all major waterways within Montrose County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Montrose County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on February 28, 2011 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Montrose County and its incorporated municipalities is in conformance with the CWCB's rules and regulations for floodplain designation and approval.



Requested action for Floodplain Resolution 17-673: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Montrose County, City of Montrose, Town of Naturita, Town of Nucla, Town of Olathe, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Montrose County, City of Montrose, Town of Naturita, Town of Nucla, Town of Olathe and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-674

Affected communities: Fremont County, Town of Brookside, City of Canon City, Town of Coal Creek, City of Florence, Town of Rockvale, Town of Williamsburg

Name of study to be formally acted on: “Flood Insurance Study, Fremont County, Colorado and Incorporated Areas” dated July 3, 2012 by the Federal Emergency Management Agency

Studied Streams: The report includes detailed 100-year and 500-year floodplain information for following streams: Arkansas River, Chandler Creek, Coal Creek, Coal Creek East Overflow, Coal Creek Tributary 1, Coal Creek Tributary 2, Coal Creek Tributary 3, Coal Creek West Overflow, Forked Gulch, Minnequa Canal, Northeast Canon Drainage East Branch, Oak Creek, Oak Creek Right Overbank, Sand Creek, Southeast Canon Drainage, South Oak Creek, West Forked Gulch, West Oak Creek. It includes approximate 100-year floodplain information for Grape Creek, Orchard Avenue Drainageway, Sand Creek, Chandler Creek, Unnamed Stream, High Meadows Terrace, Unnamed Stream, Eightmile Creek, Oak Creek, South Oak Creek, First Alkali Creek, Second Alkali Creek, Coal Creek Tributary 3, Unnamed Stream, and Arkansas River. The subject reaches are in the Arkansas watershed.

Technical Issues: The study includes all major waterways within Fremont County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Fremont County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County’s regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Fremont County and its incorporated municipalities is in conformance with the CWCB’s rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-674: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Fremont County, Town of Brookside, City of Canon City, Town of Coal Creek, City of Florence, Town of Rockvale, Town of Williamsburg, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Fremont County, Town of Brookside, City of Canon City, Town of Coal Creek, City of Florence, Town of Rockvale, Town of Williamsburg and FEMA. This action is recommended in order to meet statutory requirements.



Floodplain resolution number: FPR Designation #17-675

Affected communities: Clear Creek County, Town of Empire, Town of Georgetown, City of Idaho Springs, Town of Silver Plume.

Name of study to be formally acted on: “Flood Insurance Study, Clear Creek County, Colorado and Incorporated Areas” dated July 17, 2012 by the Federal Emergency Management Agency.

Studied Streams: The report includes detailed 100-year and 500-year floodplain information for following streams: Bear Creek, Chicago Creek, Clear Creek, Fall River, Soda Creek, South Clear Creek, South Clear Creek - Weir 835 Overflow, South Clear Creek - Weir 1248 Overflow, Virginia Canyon. It includes approximate 100-year floodplain information for South Clear Creek, Clear Creek, Virginia Canyon, Corral Creek, Bear Creek, Witter Gulch, Beaver Brook, Pat Creek. The subject reaches are in the South Platte watershed.

Technical Issues: The study includes all major waterways within Clear Creek County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Clear Creek County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on January 24, 2011 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County’s regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Clear Creek County and its incorporated municipalities is in conformance with the CWCB’s rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-675: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Clear Creek County, Town of Empire, Town of Georgetown, City of Idaho Springs, Town of Silver Plume, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Clear Creek County, Town of Empire, Town of Georgetown, City of Idaho Springs, Town of Silver Plume, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-676

Affected communities: Mesa County, Town of Collbran, Town of De Beque, City of Fruita, City of Grand Junction, Town of Palisade

Name of study to be formally acted on: “Flood Insurance Study, Mesa County, Colorado and Incorporated Areas” dated October 16, 2012 by the Federal Emergency Management Agency

Studied Streams: The report includes detailed 100-year and 500-year floodplain information for following streams: Gunnison River, Dolores River, Colorado River, Big Salt Wash, Kannah Split Flow, Colorado River, Leach Creek, Gold Star Canyon, Little Salt Wash, Grove Creek, Plateau Creek, Red Canyon, Indian Wash, Roan Creek, Kannah Creek, West Creek, Kannah



Creek Lower Split Flow. It includes approximate 100-year floodplain information for Buzzard Creek, Lewis Wash, Reed Wash, and Mesa Creek. The subject reaches are in the Colorado and SW watersheds.

Technical Issues: The study includes all major waterways within Mesa County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Mesa County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on April 23, 2009 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Mesa County and its incorporated municipalities is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-676: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Mesa County, Town of Collbran, Town of De Beque, City of Fruita, City of Grand Junction, Town of Palisade, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Mesa County, Town of Collbran, Town of De Beque, City of Fruita, City of Grand Junction, Town of Palisade and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-677

Affected communities: Boulder County, City of Boulder, Town of Erie, Town of Jamestown, Town of Lafayette, City of Longmont, City of Louisville, Town of Lyons, Town of Nederland, Town of Superior, Town of Ward.

Name of study to be formally acted on: "Flood Insurance Study, Boulder County, Colorado and Incorporated Areas", by the Federal Emergency Management Agency, December 18, 2012.

Studied streams: The report includes detailed 100-year and 500-year floodplain information for the 55th Street Split Flow, Arapahoe Avenue Overflow, Arapahoe Avenue Spill Flow, Balarat Creek, Bear Canyon Creek, Boulder Creek, Boulder Creek High School Overflow, Boulder Creek (Right Bank Overflow), Bullhead Gulch, Canyon Boulevard Overflow, Clover Basin Tributary, Coal Creek, Dry Creek, Dry Creek Ditch No. 2, Dry Creek No. 1, Dry Creek No. 1 (Old Channel), Dry Creek No. 2, Dry Creek, No. 2 (Split Flow) Dry Creek 3, Elmers Twomile Creek, Fourmile Canyon Creek, Fourmile Canyon Left Bank Overflow, Fourmile Creek, Goose Creek, Gregory Canyon Creek, Highway 93 Split Flow, James Creek, Lefthand Creek, Lefthand Creek (North Overflow Channel), Lefthand Creek (South Overflow Channel), Little James Creek, Little Thompson River, Middle Boulder Creek, Middle St. Vrain Creek, North Beaver Creek, North Goose Creek, North St. Vrain Creek, Prince Tributary, East Branch, Prince Tributary, West Branch, Rock Creek, St. Vrain Creek, St. Vrain Creek Secondary Channel, St. Vrain Creek (Vicinity of Lyons), Skunk Creek, South Boulder Creek, South St. Vrain Creek, Spring Gulch, Steele Lakes Tributary, Twomile Canyon Creek, West



Valley Split Flow, Wonderland Creek. It includes approximate 100-year floodplain information for Anderson Ditch, Bluebell Canyon Creek, David's Draw, Gregory Creek, Kings Gulch, Little Dry Creek, Sunshine Gulch, St. Vrain Creek. The subject reaches are in the South Platte watershed.

Technical Issues: The study includes all major waterways within Boulder County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Boulder County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on July 7th, 2010 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Boulder County and its incorporated municipalities is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution FPR #17-677: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Boulder County, City of Boulder, Town of Erie, Town of Jamestown, Town of Lafayette, City of Longmont, City of Louisville, Town of Lyons, Town of Nederland, Town of Superior, Town of Ward, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District, Boulder County, City of Boulder, Town of Erie, Town of Jamestown, Town of Lafayette, City of Longmont, City of Louisville, Town of Lyons, Town of Nederland, Town of Superior, Town of Ward, and Urban Drainage and Flood Control District and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-678

Affected communities: Larimer County, Town of Berthoud, Town of Estes Park, City of Fort Collins, Town of Johnstown, City of Loveland, Town of Timnath, Town of Wellington

Name of study to be formally acted on: "Flood Insurance Study, Larimer County, Colorado and Incorporated Areas" dated February 6, 2013 by the Federal Emergency Management Agency

Studied Streams: The report includes detailed 100-year and 500-year floodplain information for following streams: Big Thompson River, Big Thompson River - Gravel Pit Split, Big Thompson River Overflow, Big Thompson River - South Spill, Black Canyon Creek, Bobcat Gulch, Boxelder Creek, Boxelder Creek, Boxelder Creek I-25 Split, Boxelder Creek I-25 Split Overflow, Boxelder Creek - Left Overbank Divided Flow at Indian Creek, Boxelder Creek Overflow - Downstream, Boxelder Creek Overflow - Upstream, Buckhorn Creek, Boxelder Overflow West, Business Park Denrose, Business Park Middle, Business Park South, Business Park West, Cache La Poudre LEMAYDS, Cache La Poudre LINC, Cache La Poudre Lowflow Channel, Cache La Poudre LPATH, Cache La Poudre River, Cache La Poudre River-Interstate Highway 25 Divided Flow, Cache La Poudre River Split LPATH, Cache La Poudre River Split RPATH, Coal Creek, Cooper Slough, Cooper Slough Overflow, Dark Gulch, Devils Gulch, Dickson Gulch, Dry Creek - BTR, Dry Creek, Dry Gulch, Fall River, Fall River Overflow, Fish



Creek, Fox Creek, Glade Road Split, Little Thompson River, Little Thompson River- Spill Reach, Long Gulch, Miller Fork, Noel's Draw, North Fork Big Thompson River, Quillan Gulch, Rabbit Gulch, Redstone Creek, Sherry Drive Overflow, Shields Street Divided Flow Path - Hill Pond Road, Shields Street Divided Flow Path - Shire Court, Shields Street Divided Flow Path - Windtrail Swale, Shields Street Overflow, Spring Canyon Park Diversion, Spring Creek, Tributary BT-1, Tributary BT-2, Tributary BT-3, Tributary BT-4, and West Creek. It includes approximate 100-year floodplain information for Cache La Poudre River, Little Thompson River, and Dry Creek. The subject reaches are in the South Platte watershed.

Technical Issues: The study includes all major waterways within Larimer County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Larimer County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Larimer County and its incorporated municipalities is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-678: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Larimer County, Town of Berthoud, Town of Estes Park, City of Fort Collins, Town of Johnstown, City of Loveland, Town of Timnath, Town of Wellington, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Larimer County, Town of Berthoud, Town of Estes Park, City of Fort Collins, Town of Johnstown, City of Loveland, Town of Timnath, Town of Wellington and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-679

Affected communities: Gunnison County, Town of Crested Butte, City of Gunnison, Town of Marble, Town of Mt. Crested Butte, Town of Pitkin.

Name of study to be formally acted on: "Flood Insurance Study, Gunnison County, Colorado and Incorporated Areas", by the Federal Emergency Management Agency, May 16, 2013.

Studied streams: The report includes detailed 100-year and 500-year floodplain information for the Clark Stream, Crystal River, East River, Gunnison River, North Fork Gunnison River, Slate River, Tomichi Creek. It includes approximate 100-year floodplain information for Alder Creek, Alkali Creek, Anthracite Creek, Beaver Creek, Big Blue Creek, Cabin Creek, Carbonate Creek, Cebolla Creek, Cement Creek, Cimarron River, Cochetopa Creek, Crystal River, Dry Gulch, East Fork Little Blue River, East Muddy Creek, East River, East Willow Creek, Farris Creek, Gold Basin Creek, Goose Creek, Gunnison River, Hot Springs Creek, Houston Creek, Indian Creek; Lake Fork Gunnison River; Lake Gulch; Lee Creek; Little Cimaron River; Long Draw, Meridian Lake, Middle Fork Powderhorn, Milkbranch Gulch, North Fork Gunnison River,



Ohio Creek, Pine Creek, Poison Draw, Quartz Creek, Razor Creek, Sheep Creek, Slate River, South Beaver Creek, Steuben Creek, Taylor River, Tomichi Creek, Washington Gulch, West Muddy Creek, Willow Creek, Willow Creek 2, Willow Creek 3, Yeager Creek, and several other unnamed streams. The subject reaches are in the Gunnison watershed.

Technical Issues: The study includes all major waterways within Gunnison County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Gunnison County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on January 11, 2012 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Gunnison County and its incorporated municipalities is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution #17-679: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Gunnison County, Town of Crested Butte, City of Gunnison, Town of Marble, Town of Mt. Crested Butte, Town of Pitkin, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Gunnison County, Town of Crested Butte, City of Gunnison, Town of Marble, Town of Mt. Crested Butte, Town of Pitkin and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-680

Affected communities: City and County of Denver

Name of study to be formally acted on: "Flood Insurance Study, City and County of Denver, Colorado", by the Federal Emergency Management Agency, November 20, 2013.

Studied streams: The report includes detailed 100-year and 500-year floodplain information for South Platte River, Clear Creek, Bear Creek, Cherry Creek, Westerly Creek, Lakewood Gulch, Lakewood Gulch Overflow, Dry Gulch (Lakewood Gulch Tributary), First Avenue Tributary, Dakota Avenue Tributary, Sand Creek, Sand Creek Overflow, Sand Creek Smith Road Overflow, Fish Creek, Fish Creek Tributary T, Harvard Gulch, Harvard Gulch Overflow, Dry Gulch (Harvard Gulch Tributary), West Harvard Gulch, Goldsmith Gulch, Southmoor Park Tributary, Sanderson Gulch, Weir Gulch. It includes approximate 100-year floodplain information for Sloans Lake Basin. The subject reaches are in the South Platte watershed.

Technical Issues: The study includes all major waterways within City and County of Denver. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with City and County of



Denver. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on May 29, 2012 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for the City and County of Denver is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-680: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within the City and County Denver, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District,, City and County of Denver, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-681

Affected communities: Broomfield County, City and County of Broomfield

Name of study to be formally acted on: "Flood Insurance Study, City and County of Broomfield, Colorado", by the Federal Emergency Management Agency, January 20, 2016.

Studied streams: The report includes detailed 100-year and 500-year floodplain information for the Airport Creek, Big Dry Creek, Brandywine Creek, City Park Channel, City Park Channel South Tributary, Gay Reservoir Channel, Gay Reservoir Channel North Tributary, Nissen Reservoir Channel, North Branch Airport Creek, Rock Creek, West Lake Channel, West Lake Channel North Tributary. It includes approximate 100-year floodplain information for Mustang Run, Preble Creek, South Fork Preble Creek, and Sack Creek South. The subject reaches are in the South Platte watershed.

Technical Issues: The study includes all major waterways within the City and County of Broomfield. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with City and County of Broomfield. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on May 29, 2014 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for the City and County Broomfield, and is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-681: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within the City and County of Broomfield, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to the City



and County of Broomfield and the Urban Drainage and Flood Control District, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-682

Affected communities: Jefferson County, City of Arvada, Town of Bow Mar, City of Edgewater, City of Golden, Town of Lakeside, City of Lakewood, Town of Morrison, City of Wheatridge, Town of Mountain View, City of Westminster.

Name of study to be formally acted on: “Flood Insurance Study, Jefferson County, Colorado and Incorporated Areas”, by the Federal Emergency Management Agency, January 20, 2016.

Studied streams: This report includes detailed 100-year and 500-year floodplain information for the Airport Creek, Apex Gulch, Bear Creek Tributary -Kitterredge to Evergreen, Bear Creek Tributary- Lakewood, Bear Creek Tributary No. 1, Bear Creek Tributary No. 2, Bear Creek Tributary No. 3, Bear Creek Tributary No. 4, Bear Creek Tributary No. 5, Bear Creek Tributary No. 6, Bear Creek Tributary No. 7, Bergen Creek, Big Dry Creek, Buffalo Creek, Clear Creek, Clear Creek - Overflows, Cold Spring, Gulch Coon Creek, Coon Creek - North Branch Countryside Creek Cressmans Gulch, Cub Creek, Cub Creek (200 scale), Deadman Gulch, Deer Creek, Dry Gulch, Dutch Creek, Dutch Creek Tributary, Elk Creek, Jackson Gulch, Kennys Run, Kennys Run - East Fork, Kerr Gulch, Lakewood Gulch, Lena Gulch, Lena Gulch Tributary, Lena Gulch - Upstream and Overflows, Leyden Creek, Leyden Creek - Upstream, Lilley Gulch, Lilley Gulch Tributary, Little Cub Creek, Little Dry Creek, Little Dry Creek - Tributary B, Massey Draw, Massey Draw Tributary, Massey Draw - Split Flows, McIntyre Gulch, Middle Branch Highlands Creek, Middle Cotton Creek, Mount Vernon Creek, Myers Gulch, North Branch Highlands Creek, North Branch Walnut Creek, North City Park Creek, North Cotton Creek, North Fork of West Fork Kenneys Run Tributary 1, North Fork South Platte River, North Sanderson Gulch, North Turkey Creek, Parmalee Gulch, Pine Gulch, Quail Creek, Quail Creek Split Flow, Ralston Creek, Ranch Creek, Rooney Gulch, Rooney Gulch - Spillway, Sand Draw Creek, Sawmill Gulch, SJCD 6100, SJCD 6200, SJCD 6200 - North Tributary, SJCD 6200 - Tributary 1, South Branch Highlands Creek, South Branch Ranch Creek, South Cotton Creek, South Lakewood Gulch, South Platte River, Swede Gulch, Switzers Gulch, Tanglewood Creek, Troublesome Creek, Tucker Gulch, Turkey Creek, Upper Sloans Lake Basin Drainageway, Van Bibber Creek (400 scale), Van Bibber Creek Tributary, Van Bibber Creek Left Overbank Splitflow Walnut Creek, Weaver Creek,

Weir Gulch Tributary, West Fork Kenney's Run, West Fork Kenney's Run Tributary 1 West Fork, Kenney's Run Tributary 2, Wilmot Creek, Wilmot Creek Tributary .

In includes approximate 100-year floodplain information for Apex Gulch, Bates Lake Area, Bear Creek, Beaver Brook, Beaver Creek, Big Dry Creek, Blue Creek, Brush Creek, Buffalo Creek, Casto Creek, Clear Creek, Coal Creek, Dutch Creek, Elk Creek, Giant Gulch, Guy Gulch, Jackson Gulch Tributary, Kennedy Gulch, Ketner Creek, Lans Gulch, Last Resort Creek, Leyden Creek, Little Dry Creek, Little Dry Creek Tributary B, Little Dry Creek Tributary C, Massey Draw, Mount Vernon Canyon, Myers Gulch, North Fork Deer Creek, North Fork South Platte River, North Turkey Creek, Pine Gulch, Ralston Creek, Shaw Heights Tributary, Sloans Lake Area, Soda Creek, South Fork Deer Creek, South Platte River, South Turkey Creek, Tucker Gulch, Van Bibber Creek, Walnut Creek, West Resort Creek, Woman Creek. The subject reaches are in the South Platte watershed.

Technical Issues: The study includes all major waterways within Jefferson County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.



Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Jefferson County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on May 29, 2014 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Jefferson County and its incorporated municipalities is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution FPR #17-682: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Jefferson County, City of Arvada, Town of Bow Mar, City of Edgewater, City of Golden, Town of Lakeside, City of Lakewood, Town of Morrison, City of Wheatridge, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District, Jefferson County, City of Arvada, Town of Bow Mar, City of Edgewater, City of Golden, Town of Lakeside, City of Lakewood, Town of Morrison, City of Wheatridge, Town of Mountain View, City of Westminster and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-683

Affected communities: Weld County, City of Dacono, Town of Eaton, City of Evans, Town of Firestone, Town of Gilcrest, Town of Keenesburg, City of Fort Lupton, Town of Fredrick, Town of Hudson, Town of La Salle, Town of Meade, Town of Milliken, Town of Nunn, Town of Pierce, Town of Platteville, Town of Severance, Town of Windsor.

Name of study to be formally acted on: "Flood Insurance Study, Weld County, Colorado and Incorporated Areas" dated January 20, 2016 by the Federal Emergency Management Agency

Studied Streams: The report includes detailed 100-year and 500-year floodplain information for following streams: Ashcroft Draw, Big Thompson River, Boulder Creek, Boulder Creek Diversion, Boulder Creek Turnpike, Cache La Poudre River, Cache La Poudre River- Overflow South of Railroad, Cache la Poudre River- Split Flow Along 8th Street, Coal Creek, Coalbank Creek, Consolidated John Law Ditch, Eaton Draw, Greeley Canal No. 2, John Law Ditch, John Law Ditch - Colorado and Southern Railroad Flow Path, John Law Ditch - FR Energy Flow Path, John Law Ditch - FRE East Flow Path, John Law Ditch - FRE SE Flow Path, John Law Ditch- FRE SW Flow Path, John Law Ditch - GWD Flow Path, John Law Ditch- Kodak L Path, John Law Ditch - Kodak Road Split Flow, John Law Ditch Railroad Path, John Law Ditch - WCR 23 Flow Path, John Law Ditch - West Tributary, John Law Ditch - Whitney Flow Path, Kodak Wastewater Treatment Plant Divided Flow, Little Thompson River, Pumpkin Ridge Split Flow Path, St. Vrain Creek, St. Vrain Creek- Existing Lakes, Sheep Draw, South Platte River, Spring Creek, Spring Creek Overflow, Spring Creek Tributary, State Highway 392 Divided Flow, The Slough, The Slough- Below John Law Ditch Reservoir, The Slough Split 1- Below John Law Ditch Reservoir, Tri-Area Drainageway, U.S. Highway 34 Bypass Split Flow Path, U.S. Highway 34 Levee Overflow Channel, WCR 17-SH257 Divided Flow, Western Flow Path to Spring Creek Tributary, Windsor Wastewater Treatment Plant Divided Flow. This includes 100-year



approximate floodplain information for Riverside Intake Canal, South Platte River, Crow Creek, Sanborn Draw, Newell Lake, Rockwell Reservoir, Big Hollow Creek, Little Thompson River, St. Vrain Creek, Big Thompson River, Godfrey Ditch, Union Ditch, Lower Latham Reservoir, Box Elder Creek, Loloff Reservoir, Box Elder Creek (Old Channel), Jackson Lake Inlet, Lost Creek, Unnamed Streams, Riverside Reservoir, Empire Reservoir, Calkins Lake, St Vrain Creek, Boulder Creek, Dry Creek, Lake Thomas, Foster Reservoir, Mulligan Reservoir, Lake Thomas, Rural Ditch, Idaho Creek, Last Chance Ditch, Meadow Island Ditch No. 1, Meadow Island Ditch No.2, Milton Reservoir, Long Draw, Sand Creek, Empire Reservoir, Coal Creek, Tri-Area Drainage Way, Little Dry Creek, Horse Creek, Horse Creek Dam, Prospect Dam, Lost Creek, Porter Creek, Geary Creek, Simpson Creek, Crow Creek, Coalbank Creek, Spring Creek, Lone Tree Creek, Little Dry Creek, Black Hollow Creek, Spring Creek Tributary, Spring Creek, The Slough, Loop Lake, Woods Lake, Mead Lateral, Eaton Draw, Owl Creek, Willow Creek, John Law Ditch, Greeley No. 2 Canal, Seeley Lake, Plumb Ditch, The subject streams are in the South Platte watershed.

Technical Issues: The study includes all major waterways within Weld County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Weld County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on July 25, 2013 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Weld County and its incorporated municipalities is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-683: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Weld County, City of Dacono, Town of Eaton, City of Evans, Town of Firestone, Town of Gilcrest, Town of Keenesburg, City of Fort Lupton, Town of Fredrick, Town of Hudson, Town of La Salle, Town of Meade, Town of Milliken, Town of Nunn, Town of Pierce, Town of Platteville, Town of Severance, Town of Windsor, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Weld County, City of Dacono, Town of Eaton, City of Evans, Town of Firestone, Town of Gilcrest, Town of Keenesburg, City of Fort Lupton, Town of Fredrick, Town of Hudson, Town of La Salle, Town of Meade, Town of Milliken, Town of Nunn, Town of Pierce, Town of Platteville, Town of Severance, Town of Windsor and FEMA. This action is recommended in order to meet statutory requirements.



Floodplain resolution number: FPR Designation #17-684

Affected communities: Prowers County, Town of Granada, Town of Holly, City of Lamar, Town of Wiley

Name of study to be formally acted on: “Flood Insurance Study, Prowers County, Colorado and Incorporated Areas”, by the Federal Emergency Management Agency, April 19, 2016.

Studied streams: The report includes detailed 100-year and 500-year floodplain information for the Arkansas River, Highway 50 Split Flow, Railroad Split Flow, and Wolf Creek within the Town of Granada; the Arkansas River and Wild Horse Creek within the Town of Holly; and the Arkansas River, Willow Creek, and Willow Creek Split A within the City of Lamar.

This report includes approximate 100-year floodplain information for the Arkansas River, Big Sandy Creek, Boggs Creek, Buffalo Creek, Cat Creek, Cheyenne Creek, Clay Creek, Cottonwood Creek, Dry Creek, Durkee Creek, East Clay Creek, East Fork Cottonwood Creek, East Horse Creek, Goedale Slough, Granada Creek, Horse Creek, James Draw, Little Bear Creek, Long Creek, North Bear Creek, North Butte Creek, North Mule Creek, North Plum Creek, Pauls Arroyo, Plum Creek, Prince Reservoir, Sisson Canal, Smith Arroyo, South Mule Creek, South Plum Creek, Two Butte Creek, West Fork Cottonwood Creek, West Horse Creek, West Wild Horse Creek, Wild Horse Creek, Willow Creek, Wolf Creek, and X-Y Canal. The subject reaches are in the Arkansas watershed.

Technical Issues: This study includes all major waterways within Prowers County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revision were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Prowers County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on November 6, 2014 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County’s regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Prowers County and its incorporated municipalities is in conformance with the CWCB’s rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution #17-684 Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Prowers County, Town of Granada, Town of Holly, City of Lamar, Town of Wiley, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Prowers County, Town of Granada, Town of Holly, City of Lamar, Town of Wiley and FEMA. This action is recommended in order to meet statutory requirements.



Floodplain resolution number: FPR Designation #17-685

Affected communities: Logan County, City of Sterling, Town of Fleming, Town of Crook, Town of Peetz, Town of Iliff, Town of Merino.

Name of study to be formally acted on: “Flood Insurance Study, Logan County, Colorado and Incorporated Areas”, by the Federal Emergency Management Agency, May 16, 2016.

Studied streams: The report includes detailed 100-year and 500-year floodplain information for South Platte River, Pawnee Creek Overflow, Sand Creek. It includes approximate 100-year floodplain information for the, Unnamed Streams, Cottonwood Creek, George Creek, Darby Creek, Lewis Creek, Unnamed Lake, Spring Canyon, Corral Creek, Lewis Creek, East Lewis Creek, Ramsey Draw, Johnson Draw, Dutch Creek, Byers Ditch, West Fork Cottonwood Creek, Twomile Creek, Spring Creek, Brush Creek, Cedar Creek, North Sterling Outlet Canal, Darby Creek, Beall Creek, Sevenmile Creek, Sterling No. 1 Ditch, Iliff Ditch, South Platte River, Powell Ditch, Iliff Ditch, Lewis Creek, Chambers Ditch, Harmony Ditch No. 1, Tamarac Ditch, Pawnee Inlet Number 2, Pawnee Creek, Raymer Creek, Sand Creek, Springdale Creek, Farmers Ditch, New Fork Frenchman Creek, Wildhorse Creek, South Fork Frenchman Creek, Henderson Smith Ditch, Sterling No. 1 Ditch, Batten Ditch, North Fork Frenchman Creek, Patent Creek, LF Draw, Twentytwo Slough, Davis Brothers Ditch, Coyote Creek, . The subject reaches are in the South Platte watershed.

Technical Issues: The study includes all major waterways within Logan County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Logan County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on October 14, 2014 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County’s regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Logan County and its incorporated municipalities is in conformance with the CWCB’s rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-685: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Logan County, City of Sterling, Town of Fleming, Town of Crook, Town of Peetz, Town of Iliff, Town of Merino, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Logan County, City of Sterling, Town of Fleming, Town of Crook, Town of Peetz, Town of Iliff, Town of Merino and FEMA. This action is recommended in order to meet statutory requirements.



Floodplain resolution number: FPR Designation #17-686

Affected communities: Douglas County, Town of Castle Rock, Town of Parker, City of Castle Pines, City of Lone Tree

Name of study to be formally acted on: “Flood Insurance Study, Douglas County, Colorado and Incorporated Areas”, by the Federal Emergency Management Agency, February 17, 2017

Studied streams: The report includes detailed 100-year and 500-year floodplain information for Antelope Creek, Cottonwood Creek, Piney Creek, Big Dry Creek, Big Dry Creek - Tributary C, Cherry Creek, Daniels Park Drain, Drainageway 6600-02, Drainageway 6604-01, Drainageway 6605-01, East Plum Creek, East Willow Creek, Fourmile Creek, Hangmans Gulch, Highlands Gulch, Horse Creek, Indian Creek, Jarre Creek, Lehigh Gulch, Little Willow Creek, Louviers Gulch, Oxide Gulch, Plum Creek, Plum Creek - Diversion Channel, Rainbow Creek, Sterling Gulch, South Platte River, Trout Creek, West Creek, West Plum Creek, Willow Creek, East Plum Creek, Hangman’s Gulch, Industrial Tributary, McMurdo Gulch, McMurdo Gulch Split Flow, Mitchell Gulch, Mitchell Gulch Tributary 2, Omni Tributary, Sellars Gulch, Sellars Gulch Tributary 2, Tributary 6400 East and Tributary 6400 West, and Willow Creek (at Lone Tree). It includes approximate 100-year floodplain information for Badger Gulch, Bear Creek, Big Dry Creek, Carpenter Creek, Cottonwood Creek, Dad Clark Gulch, East Plum Creek, Garber Creek, Glade Gulch, Happy Canyon Creek, Happy Canyon Creek Tributary, Haskins Gulch, Hunt Gulch, Indian Creek, Jackson Creek, Jarre Creek, Jordan Road Tributary, Kinney Creek, KOA Tributary, “Larkspur Butte” Tributary, Marcy Gulch, McMurdo Gulch, Mitchell Gulch, Newlin Gulch, North Gulch, Oak Gulch, Oakland School Gulch, Piney Creek, Section 34 Tributary, Sellars Gulch, South Newlin Gulch, Spring Gulch, South Newlin Gulch, Stark Creek, Tributary A, Tributary B, Tributary C, Tributary D, 6400 Tributary, East & West Forks, 6400 South Tributary, West Plum Creek, Willow Gulch, Dad Clark Creek, Dad Clark Gulch Tributary 1, Dad Clark Gulch Tributary 2, Dad Clark Gulch Tributary 3, Drainageway 6631, East Dad Clark Gulch, East Dad Clark Gulch Tributary 1, Fonder Draw, Kinney Creek, Marcy Gulch, Marcy Gulch Tributary 1, Marcy Gulch Tributary 2, South Platte River, South Platte River - Unnamed Tributary 1, South Platte River - Unnamed Tributary 2, South Platte River - Unnamed Tributary 3, South Platte River - Unnamed Tributary 4, Spring Gulch.

The subject reaches are in the South Platte watershed.

Technical Issues: This study includes all major waterways within Douglas County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revision were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Douglas County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on August 13, 2014 in which all affected communities were invited. The results of the countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County’s regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Douglas County and its incorporated municipalities is in conformance with the CWCB’s rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-686 Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain



information contained in said report within Douglas County, Town of Castle Rock, Town of Parker, City of Castle Pines, City of Lone Tree, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District, Douglas County, Town of Castle Rock, Town of Parker, City of Castle Pines, City of Lone Tree and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-687

Affected communities: Adams County, Town of Bennett, City of Brighton, City of Commerce City, City of Federal Heights, City of Northglenn, City of Thornton, City of Westminster, City of Aurora

Name of study to be formally acted on: “Flood Insurance Study, Adams County, Colorado and Incorporated Areas” dated February 17, 2017 by the Federal Emergency Management Agency

Studied Streams: The report includes detailed 100-year and 500-year floodplain information for following streams: Ashcroft Draw, Big Thompson River, Boulder Creek, Boulder Creek Diversion, Boulder Creek Turnpike, Cache La Poudre River, Cache La Poudre River- Overflow South of Railroad, Cache la Poudre River- Split Flow Along 8th Street, Coal Creek, Coalbank Creek, Consolidated John Law Ditch, Eaton Draw, Greeley Canal No. 2, John Law Ditch, John Law Ditch - Colorado and Southern Railroad Flow Path, John Law Ditch - FR Energy Flow Path, John Law Ditch - FRE East Flow Path, John Law Ditch - FRE SE Flow Path, John Law Ditch- FRE SW Flow Path, John Law Ditch - GWD Flow Path, John Law Ditch- Kodak L Path, John Law Ditch - Kodak Road Split Flow, John Law Ditch Railroad Path, John Law Ditch - WCR 23 Flow Path, John Law Ditch - West Tributary, John Law Ditch - Whitney Flow Path, Kodak Wastewater Treatment Plant Divided Flow, Little Thompson River, Pumpkin Ridge Split Flow Path, St. Vrain Creek, St. Vrain Creek- Existing Lakes, Sheep Draw, South Platte River, Spring Creek, Spring Creek Overflow, Spring Creek Tributary, State Highway 392 Divided Flow, The Slough, The Slough- Below John Law Ditch Reservoir, The Slough Split 1- Below John Law Ditch Reservoir, Tri-Area Drainageway, U.S. Highway 34 Bypass Split Flow Path, U.S. Highway 34 Levee Overflow Channel, WCR 17-SH257 Divided Flow, Western Flow Path to Spring Creek Tributary, Windsor Wastewater Treatment Plant Divided Flow. It includes approximate 100-year floodplain information for Apex Gulch, Bates Lake Area, Bear Creek, Beaver Brook, Beaver Creek, Big Dry Creek, Blue Creek, Brush Creek, Buffalo Creek, Casto Creek, Clear Creek, Coal Creek, Dutch Creek, Elk Creek, Giant Gulch, Guy Gulch, Jackson Gulch Tributary, Kennedy Gulch, Ketner Creek, Lans Gulch, Last Resort Creek, Leyden Creek, Little Dry Creek, Little Dry Creek Tributary B, Little Dry Creek Tributary C, Massey Draw, Mount Vernon Canyon, Myers Gulch North Fork Deer Creek, North Fork South Platte River, North Turkey Creek, Pine Gulch, Ralston Creek, Shaw Heights Tributary, Sloans Lake Area, Soda Creek, South Fork Deer Creek, South Platte River, South Turkey Creek, Tucker Gulch, Van Bibber Creek, Walnut Creek, West Resort Creek, and Woman Creek.

Technical Issues: The study includes all major waterways within Adams County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Adams County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held on November 5, 2014 in which all affected communities were invited. The results of the countywide DFIRM Conversion project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at two final Community Coordination



(CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Adams County and its incorporated municipalities is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-687: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Adams County and its incorporated municipalities, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District, Adams County, Town of Bennett, City of Brighton, City of Commerce City, City of Federal Heights, City of Northglenn, City of Thornton, City of Westminster, City of Aurora, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-688

Affected communities: Arapahoe County, City of Aurora, City of Centennial, City of Cherry Hills Village, Town of Columbine Valley, City of Deer Trail, City of Englewood, Town of Foxfield, City of Glendale, City of Greenwood Village, City of Littleton, City of Sheridan

Name of study to be formally acted on: "Flood Insurance Study, Arapahoe County, Colorado and Incorporated Areas" dated February 17, 2017 by the Federal Emergency Management Agency.

Studied streams: The report includes detailed 100-year and 500-year floodplain information for Bear Creek, Bear Gulch, Big Dry Creek, Big Dry Creek Tributary A, Blackmer Gulch, Box Elder Creek, Cardboard Draw, Cherry Creek, Cherry Creek Spillway Dam, Cherry Creek (Right Overbank Split Flow), Coal Creek, Coon Creek, Cottonwood Creek, Coyote Run, East Toll Gate Creek, First Creek, Goldsmith Gulch, Grandby Ditch, Greenwood Gulch, Happy Canyon Creek, Lee Gulch, Dutch Creek, Granby Ditch, Goldsmith Gulch, West Tributary to Goldsmith Gulch, Greenwood Gulch, Lee Gulch, Littles Creek, Little Dry Creek, Lone Tree Creek, Murphy Creek, Muskrat Run, Piney Creek, Prairie Dog Draw, Prentice Gulch, Quincy Gulch, Rat Run, Sable Ditch, Sand Creek, Slaughterhouse Gulch, SJCD 6100, SJCD 6200, South Platte River, South Tributary, Spring Creek, Slaughterhouse Gulch, Toll Gate Creek, Unnamed Creek, West Toll Gate Creek, West Toll Gate Creek Tributary, West Tributary To Goldsmith Gulch, Westerly Creek, Westerly Creek Overflow, Willow Creek, Wolf Creek, Wolf Creek Tributary, Woodrat. It includes approximate 100-year floodplain information for Box Elder Creek upper reaches, Coal Creek upper reaches, Comanche Creek, Drainageway D in Columbine Valley, East Bijou Creek, Columbia Creek, Deer Trail Creek, First Creek, Kiowa Creek, Little Comanche Creek, Middle Bijou Creek, Muddy Creek, Upper reaches of Piney Creek, Senac Creek, Side Creek, Unnamed Tributary to Coal Creek, West Bijou Creek, West Box Elder Creek, West Toll Gate Creek, West Toll Gate Creek Tributary, and Wolf Creek.

Technical Issues: The study includes all major waterways within Arapahoe County and its incorporated communities. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County. A number of Letters of Map Revisions were also incorporated.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. This study was prepared by FEMA in cooperation with Arapahoe County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to establishing the new study, a final coordination meeting was held in which all affected communities were invited. The results of the



countywide project, including the Zone A level hydrologic and hydraulic analyses, were presented and reviewed at the final Community Coordination (CCO) meeting attended by representatives of FEMA. The study was fully accepted and endorsed by all agencies present at this meeting.

Staff findings: The subject Flood Insurance Study revises and therefore supersedes previous versions of the County's regulatory floodplain information. CWCB staff has determined that the subject floodplain information for Arapahoe County and its incorporated municipalities is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 17-688: Staff recommends that the Board: 1) designate and approve the 100-year and 500-year detailed and 100-year approximate floodplain information contained in said report within Arapahoe County and its incorporated municipalities, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Urban Drainage and Flood Control District, Arapahoe County, City of Aurora, City of Centennial, City of Cherry Hills Village, Town of Columbine Valley, City of Deer Trail, City of Englewood, Town of Foxfield, City of Glendale, City of Greenwood Village, City of Littleton, City of Sheridan, the Urban Drainage and Flood Control District, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR Designation #17-689

Affected communities: City of Longmont

Name of study to be formally acted on: "St. Vrain Creek Existing Conditions 2017 Floodplain Study", by CH2M, dated September 2017

Studied streams: This report includes detailed 100-year floodplain information for St. Vrain Creek, Airport Split, Hover Split, Izaak Walton Split, and Sandstone Split. The studied streams are in the South Platte River watershed.

Technical Issues: Ma

ny of the rivers affected by the September 2013 flood experienced significant geomorphological change resulting in post-flood topographic conditions that varied greatly from those prior to the flood. Restudies involving a significant amount of work have already begun for many of the affected reaches. A new floodplain modeling and mapping study was required to address the changes in hydrologic flow rates determined by the Colorado Department of Transportation (CDOT), the State of Colorado, and other partners resulting from the floods that occurred in September 2013. The Study described herein was incorporated into the State's Colorado Hazard Mapping Program (CHAMP), which is under review by FEMA and includes updates to floodplains on numerous streams in Colorado.

Community Response: The City of Longmont transmitted an email to the CWCB dated January 13, 2014 requesting CWCB designation and approval of the subject report.

Staff Findings: CWCB staff has determined that the subject 100-year detailed floodplain information for the studied stream reaches is conformance with the CWCB's rules and regulations for floodplain designation and approval. The CWCB staff has relied on the technical competence of CH2M, who produced the study, but also performed an independent technical review of the report. CWCB staff therefore endorses this study as containing the most current floodplain mapping available and urges the affected communities to adopt said study for land use regulation purposes pursuant to statutory authority.

Requested Action for Floodplain Resolution 17-689: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report



for the subject reaches within the City of Longmont, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to the City of Longmont, and to FEMA. This action is recommended in order to meet statutory requirements.

