

STATE OF COLORADO

Colorado Water Conservation Board Department of Natural Resources

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TO: Colorado Water Conservation Board Members

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

Bill Ritter, Jr.
Governor

Mike King
DNR Executive Director

DATE: July 2, 2010

Jennifer L. Gimbel
CWCB Director

SUBJECT: **Consent Agenda Item 2, July 20-21 Board Meeting**
Watershed Protection and Flood Mitigation – Floodplain Designations

Background

Consent Agenda Item 2 includes 14 new floodplain studies and two renumberings of previously designated 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.

Staff Recommendation

Staff recommends that the Board: 1) designate and approve the 100-year detailed and approximate floodplain information contained in said studies and 2) authorize staff to prepare floodplain resolutions to be signed by the Director reflecting the official designation and approval actions. This action is recommended in order to meet statutory requirements.

Attachment - Supporting Information

Consent Agenda Item 2 – Floodplain Designations July 2010

Summary

Consent Agenda Item 2 includes 14 floodplain studies/maps along with two renumberings of past designated items 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 10-616

Affected communities: Town of Erie

Name of study to be formally acted on: “Flood Insurance Study, Town of Erie, Colorado, Boulder and Weld Counties” dated December 2, 2004, by the Federal Emergency Management Agency

Requested action for Floodplain Resolution 10-616: Staff recommends that the Board: 1) renumber this previously designated study from 08-608 to 10-616, and 2) authorize staff to prepare a revised floodplain resolution to be signed by the Director and transmitted to the Town of Erie and to FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-617

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

Name of study to be formally acted on: “Flood Insurance Study, Larimer County, Colorado, and Incorporated Areas” dated December 19, 2006, by the Federal Emergency Management Agency

Requested action for Floodplain Resolution 10-617: Staff recommends that the Board: 1) renumber this previously designated study from 08-609 to 10-617, and 2) authorize staff to prepare a revised floodplain resolution to be signed by the Director and transmitted to Larimer County, its incorporated municipalities, and to FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-618

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

Name of study to be formally acted on: “Flood Insurance Study, Adams County and Incorporated Areas”, by the Federal Emergency Management Agency, March, 2007

Studied streams: This report includes detailed 100-year floodplain information for Basin 4100, Big Dry Creek, Brantner Gulch, Clear Creek, Comanche Creek, Grange Hall Creek, Grange Hall Creek Tributary, Little Dry Creek, Niver Creek, Niver Creek Tributary M, North Fork Grange Hall Creek, Northfield Creek, Sand Creek, South Fork Grange Hall Creek, South Platte River, Tanglewood Creek, Bear Gulch, Bear Gulch Tributary D, Bear Gulch Tributary E, Bear Gulch Tributary G, Box Elder Creek, Hayesmount Creek, Hayesmount Creek East Tributary, Hayesmount Creek West Tributary, Little Comanche Creek, and Wolf Creek. It includes approximate 100-year floodplain information for Bijou Creek, Brantner Gulch, DFA 0054-1, East Bijou Creek, First Creek, Grange Hall Creek, Grange Hall Tributary Southeast, Hidden Lake, Kiowa Creek, Lost Creek, McKay Lake Drainageway, Morris Creek, Muddy Creek, Mustang Creek, Niver Canal, Niver Creek, Niver Creek Tributary L, Niver Creek Tributary M, Northfield Creek, Preble Creek, Quail Creek, Sack Creek, Second Creek, Shay Ditch, Short Run,

South Fork Preble Creek, South Sack Creek, Third Creek, Todd Creek, Tributary 2 to Todd Creek, Tributary 4 to Todd Creek, Tributary to Brantner Gulch, Tributary II to Brantner Gulch, Tributary VII to Brantner Gulch, Wadley North, Wadley South, and West Bijou Creek. The studied streams are in the South Platte watershed.

Technical Issues: This 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 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 Adams County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to publishing the new study, a final coordination meeting was held in which all affected communities were invited. The study was fully accepted and endorsed by all agencies 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 10-618: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Adams County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to UDFCD, Adams County, City of Arvada, City of Aurora, Town of Bennett, City of Brighton, City of Commerce City, City of Federal Heights, City of Northglenn, City of Thornton, City of Westminster, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-619

Affected communities: Alamosa County

Name of study to be formally acted on: "Flood Insurance Study, Alamosa County Unincorporated Areas", by the Federal Emergency Management Agency, April 1999

Studied streams: This report includes detailed 100-year floodplain information for the Rio Grande. It includes approximate 100-year floodplain information for Little Thompson River, North Zapata Creek, South Zapata Creek, and various unnamed shallow flooding areas. The studied streams are in the Rio Grande watershed.

Technical Issues: This study includes all major waterways within Alamosa County's unincorporated lands around the City of Alamosa. The majority of lands in the unincorporated areas of the county were not included in this study.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. Alamosa County was involved in the preparation of the subject study.

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 Alamosa 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 10-619: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Alamosa County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Alamosa County and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-620

Affected communities: City of Alamosa

Name of study to be formally acted on: “Flood Insurance Study, City of Alamosa, Colorado, Alamosa County”, by the Federal Emergency Management Agency, April 1999

Studied streams: This report includes detailed 100-year floodplain information for the Rio Grande. No stream reaches with approximate floodplain information are included in the study. The studied stream is in the Rio Grande watershed.

Technical Issues: This study includes the primary stream reaches within the City of Alamosa. This update includes effects of the levee that was constructed in the City of Alamosa.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. The City of Alamosa was involved in the preparation of the subject study.

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

Requested action for Floodplain Resolution 10-620: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within the City of Alamosa, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to the City of Alamosa and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-621

Affected communities: Archuleta County, Town of Pagosa Springs

Name of study to be formally acted on: “Flood Insurance Study, Archuleta County and Incorporated Areas”, by the Federal Emergency Management Agency, September 2009

Studied streams: This report includes detailed 100-year floodplain information for McCabe Creek, the North Fork of McCabe Creek, Rio Blanco, San Juan River, Stollsteimer Creek, and the West Fork of McCabe Creek. It includes approximate 100-year floodplain information for the Piedra River, Williams Creek, Gordon Creek, O’Neill Creek, West Fork of the San Juan River, East Fork of the San Juan River, Sand Creek, First Fork of the Piedra River, Devil Creek, Martinez Creek, McCabe Creek, San Juan River, Mill Creek, Rio Blanco, Stollsteimer Creek, Unnamed Tributary to Stollsteimer Creek, Archuleta Creek, Cabezón Creek, Fall Creek, East Fork of the Navajo River, Navajo River, Unnamed Tributaries to the Navajo River, Navajo Reservoir, Spring Creek, Little Navajo River, and the Rio Chama. The studied streams are in the San Juan watershed.

Technical Issues: This study includes all major waterways within Archuleta 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 Archuleta County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to publishing the new study, a final coordination meeting was held in which all affected communities were invited. The study was fully accepted and endorsed by all agencies 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 Archuleta 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 10-621: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Archuleta County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Archuleta County, the Town of Pagosa Springs, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-622

Affected communities: Summit County

Name of study to be formally acted on: "Flood Insurance Study, Summit County, Colorado, Unincorporated Areas", by the Federal Emergency Management Agency, August 2001

Studied streams: This report includes detailed 100-year floodplain information for the Blue River, Willow Creek, Straight Creek, Tenmile Creek, West Tenmile Creek, the Snake River, North Fork of the Snake River, Soda Creek, Meadow Creek, French Gulch, the Swan River, Miners Creek, Jug Creek, No Name Creek, Blue River Middle Branch, Cucumber Gulch, Illinois Gulch, and South Barton Gulch. It includes approximate 100-year floodplain information for the Blue River, Green Mountain Reservoir, Slate Creek, Big Gulch, Upper Slate Lake, Slate Lake, Boulder Lake, Boulder Creek, Pebble Creek, North Rock Creek, Dillon Reservoir, Tenmile Creek, North Tenmile Creek, Soda Creek, Barton Gulch, North Barton Gulch, Uneva Lake, and Officers Gulch Pond, . The studied streams are in the Colorado River watershed.

Technical Issues: This study includes all major waterways within Summit County's unincorporated lands. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. Summit County was involved in the preparation of the subject study.

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 is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 10-622: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Summit County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Summit County and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-623

Affected communities: Town of Silverthorne

Name of study to be formally acted on: "Flood Insurance Study, Town of Silverthorne, Colorado, Summit County", by the Federal Emergency Management Agency, August 2001

Studied streams: This report includes detailed 100-year floodplain information for the Blue River, Willow Creek, and Straight Creek. It includes approximate 100-year floodplain information for the Blue River above Straight Creek. The studied streams are in the Colorado River watershed.

Technical Issues: This study includes all major waterways within the Town of Silverthorne. This restudy incorporates a number of new studied stream reaches and numerous revisions of existing studied stream reaches throughout the County.

Community response: The action to designate this Flood Insurance Study was initiated by CWCB staff. The Town of Silverthorne was involved in the preparation of the subject study.

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

Requested action for Floodplain Resolution 10-623: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within the Town of Silverthorne, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to the Town of Silverthorne and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-624

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

Name of study to be formally acted on: "Flood Insurance Study, Fremont County and Incorporated Areas", by the Federal Emergency Management Agency, September 2007

Studied streams: This report includes detailed 100-year floodplain information for the Arkansas River, Coal Creek, Coal Creek West Overflow, Coal Creek East Overflow, Chandler Creek, Forked Gulch, Northeast Canon Drainage, Oak Creek, Sand Creek, Southeast Canon, and West Forked Gulch. It includes approximate 100-year floodplain information for Badger Creek, Antelope Gulch, Gribbles Run, Grip Run, Cottonwood Creek, Waugh Creek, Meadow Gulch, Mill Gulch, Mack Gulch, Currant Creek, Wilson Creek, City Creek, High Creek, Fourmile Creek, North Fork, Beaver Creek, Arkansas River, Little Badger Creek, Long Gulch, Carrol Creek, Squaw Creek, Tallahassee Creek, North Tallahassee Creek, Middle Tallahassee Creek, South Tallahassee Creek, Seymore Gulch, Sand Gulch, Maverick Gulch, Seep Springs Draw, Eightmile Creek, Cedar Gulch, South Cedar Gulch, Long Gulch, Milsap Creek, Feich Creek, East Fork Eightmile Creek, Banta Gulch, Red Creek Canyon, Salt Canyon Creek, Howard Creek, Cherry Creek, Stout Creek, Hamilton Creek, Fernleaf Creek, Arkansas Gulch, Bernard Creek, East Gulch, Texas Creek, Five Point Gulch, McIntyre Gulch, Park Gulch, Indian Springs Gulch, Spike Buck Gulch, Bumback Gulch, Copper Gulch, Volcano Gulch, Grape Creek, Northeast Canon Drainage, Sixmile Creek, Sand Creek, Oak Creek, Chandler Creek, Coal Creek, Brush Hollow Creek, Bear Creek, Hardscrabble Creek, Beaver Park Ditch, Hayden Creek, Big Cottonwood Creek, Bernard Creek, McCoy Gulch, Lake Creek, Duckett Creek, Rouch Gulch, Heck Gulch, Spruce Creek, Titusville Gulch, Pine Gulch, South Oak Creek, First Alkali Creek, Second Alkali Creek, Newlin Creek, Low Back Creek, Mineral Creek, William Spring Creek, Richie Gulch, and Red Creek. The studied streams are in the Arkansas River watershed.

Technical Issues: This 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 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 Fremont County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to publishing the new study, a final coordination meeting was held in which all affected communities were invited. The study was fully accepted and endorsed by all agencies 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 10-624: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Fremont County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Fremont County, Town of Coal Creek, City of Canon City, Town of Williamsburg, City of Florence, Town of Rockvale, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-625

Affected communities: Teller County, City of Cripple Creek, City of Woodland Park

Name of study to be formally acted on: "Flood Insurance Study, Teller County and Incorporated Areas", by the Federal Emergency Management Agency, September 2009

Studied streams: This report includes detailed 100-year floodplain information for Fountain Creek, East Fork Fountain Creek, Loy Gulch, Lovell Gulch, Paint Pony, East Fork Paint Pony, and Trout Creek. It includes approximate 100-year floodplain information for Trout Creek, Squaw Gulch, Wilson Creek, Twin Creek, Rule Creek, Turkey Creek, Little Turkey Creek, West Creek, Crystal Peak Creek, and Unnamed Tributaries to Crystal Peak Creek. The studied streams are in the Arkansas River and South Platte watersheds.

Technical Issues: This study includes all major waterways within Teller 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 Teller County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to publishing the new study, a final coordination meeting was held in which all affected communities were invited. The study was fully accepted and endorsed by all agencies 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 10-625: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Teller County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Teller County, City of Cripple Creek, City of Woodland Park, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-626

Affected communities: Eagle County, Town of Avon, Town of Basalt, Town of Eagle, Town of Gypsum, Town of Minturn, Town of Redcliff, Town of Vail

Name of study to be formally acted on: "Flood Insurance Study, Eagle County and Incorporated Areas", by the Federal Emergency Management Agency, December 2007

Studied streams: This report includes detailed 100-year floodplain information for Bighorn Creek, Black Gore Creek, Booth Creek, Brush Creek, Buffehr Creek, Colorado River, Eagle River, West Mill Creek, East Mill Creek, Fryingpan River, Gore Creek, Gypsum Creek, Middle Creek, Pitkin Creek, Red Sandstone Creek, Roaring Fork River, Spraddle Creek, Taylor Creek,

Turkey Creek, and Upper Gore Creek. It includes approximate 100-year floodplain information for the Colorado River, Sweetwater Creek, Deep Creek, Gypsum Creek, Noecker Reservoir, Eby Creek, Abrams Creek, Squaw Creek, Lake Creek, McCoy Creek, Beaver Creek, Van Springs Reservoir, Gypsum Creek, East Lake Creek, West Lake Creek, Stone Creek, Eagle River, Grouse Creek, Cross Creek, Two Elk Creek, Fall Creek, Homestake Creek, Seven Castles Creek, Otto Creek, Downey Creek, Frenchman Creek, Sopris River, West Sopris Creek, East Sopris Creek, and the Fryingpan River. The studied streams are in the Colorado River watershed.

Technical Issues: This study includes all major waterways within Eagle 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 Eagle County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to publishing the new study, a final coordination meeting was held in which all affected communities were invited. The study was fully accepted and endorsed by all agencies 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 Eagle 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 10-626: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Eagle County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Eagle County, Town of Avon, Town of Basalt, Town of Eagle, Town of Gypsum, Town of Minturn, Town of Redcliff, Town of Vail, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-627

Affected communities: Park County, Town of Fairplay

Name of study to be formally acted on: "Flood Insurance Study, Park County and Incorporated Areas", by the Federal Emergency Management Agency, December 2009

Studied streams: This report contains approximate 100-year floodplain information for numerous streams within the South Platte and Arkansas River watersheds. No detailed information is presented.

Technical Issues: This study includes all major waterways within Park 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 Park County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to publishing the new study, a final coordination meeting was held in which all affected communities were invited. The study was fully accepted and endorsed by all agencies 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 Park 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 10-627: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Park County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Park County, the Town of Fairplay, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-628

Affected communities: Grand County, Town of Fraser, Town of Granby, Town of Grand Lake, Town of Hot Sulphur Springs, Town of Winter Park

Name of study to be formally acted on: “Flood Insurance Study, Grand County and Incorporated Areas”, by the Federal Emergency Management Agency, January 2008

Studied streams: This report includes detailed 100-year floodplain information for Cooper Creek, Fraser River, Leland Creek, Little Vasquez Creek, Mary Jane Creek, and Vasquez Creek. It includes approximate 100-year floodplain information for Little Columbine Creek, North Inlet to Grand Lake, Colorado River, Fraser River, Jim Creek, Tenmile Creek, St. Louis Creek, Elk Creek, . The studied streams are in the Colorado River watershed.

Technical Issues: This study includes all major waterways within Grand 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 CWC staff. This study was prepared by FEMA in cooperation with Grand County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to publishing the new study, a final coordination meeting was held in which all affected communities were invited. The study was fully accepted and endorsed by all agencies at this meeting.

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

Requested action for Floodplain Resolution 10-628: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Grand County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Grand County, Town of Fraser, Town of Granby, Town of Grand Lake, Town of Hot Sulphur Springs, Town of Winter Park, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-629

Affected communities: Garfield County

Name of study to be formally acted on: “Flood Insurance Study, Garfield County, Colorado, Unincorporated Areas”, by the Federal Emergency Management Agency, August 2006

Studied streams: This report includes detailed 100-year floodplain information for Colorado River, Roaring Fork River, Crystal River, Cattle Creek, Fourmile Creek, Threemile Creek, Mitchell Creek, Rifle Creek, Rifle Creek Splitflow, Hubbard Gulch, Government Creek, and Alkali Creek. It includes approximate 100-year floodplain information for Elk Creek, Mitchell Creek, Colorado River, Divide Creek, Unnamed Tributaries to the Colorado River, Warmbroth Creek, Helmer Gulch, Ramsey Gulch, 12th Street Ditch, 13th Street, and Monument Gulch. The studied streams are in the Colorado River watershed.

Technical Issues: This study includes all major waterways within Garfield County's unincorporated lands. 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 Garfield County. One key element of the map update program is community involvement throughout the process. Prior to publishing the new study, a final coordination meeting was held in which Garfield County was invited. The study was fully accepted and endorsed by Garfield County 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 Garfield County is in conformance with the CWCB's rules and regulations for floodplain designation and approval.

Requested action for Floodplain Resolution 10-629: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Garfield County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Garfield County and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-630

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

Name of study to be formally acted on: "Flood Insurance Study, Clear Creek County and Incorporated Areas", by the Federal Emergency Management Agency, March 2007

Studied streams: This report includes detailed 100-year floodplain information for Chicago Creek, Clear Creek, Fall River, Soda Creek, South Clear Creek, and Virginia Canyon. It includes approximate 100-year floodplain information for Bear Creek, South Clear Creek, Scott Gomer Creek, Clear Creek, Beaver Brook, North Beaver Brook, Chicago Creek, Leavenworth Creek, Georgetown Lake, Mill Creek, West Fork Clear Creek. The studied streams are in the South Platte watershed.

Technical Issues: This 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 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 Clear Creek County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to publishing the new study, a final coordination meeting was held in which all affected communities were invited. The study was fully accepted and endorsed by all agencies 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 10-630: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Clear Creek County, 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, Town of

Silver Plume, Town of Idaho Springs, and FEMA. This action is recommended in order to meet statutory requirements.

Floodplain resolution number: FPR 10-631

Affected communities: Pitkin County, City of Aspen, Town of Snowmass Village

Name of study to be formally acted on: “Flood Insurance Study, Pitkin County and Incorporated Areas”, by the Federal Emergency Management Agency, October 2004

Studied streams: This report includes detailed 100-year floodplain information for Brush Creek, Castle Creek, Coal Creek, Crystal River, Hunter Creek, Maroon Creek, Roaring Fork River, Snowmass Creek, Fryingpan River, and South Side Split (Roaring Fork River). It includes approximate 100-year floodplain information for Brush Creek, Castle Creek, Capitol Creek, East Sopris Creek, Elk Creek, Maroon Creek, West Sopris Creek, and Woody Creek. The studied streams are in the Colorado River watershed.

Technical Issues: This study includes all major waterways within Pitkin 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 Pitkin County and its incorporated municipalities. One key element of the map update program is community involvement throughout the process. Prior to publishing the new study, a final coordination meeting was held in which all affected communities were invited. The study was fully accepted and endorsed by all agencies 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 Pitkin 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 10-631: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Pitkin County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Pitkin County, City of Aspen, Town of Snowmass Village and FEMA. This action is recommended in order to meet statutory requirements.

STAFF RECOMMENDATION SUMMARY

Requested action for Floodplain Resolution 10-616: Staff recommends that the Board: 1) renumber this previously designated study from 08-608 to 10-616, and 2) authorize staff to prepare a revised floodplain resolution to be signed by the Director and transmitted to the Town of Erie and to FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-617: Staff recommends that the Board: 1) renumber this previously designated study from 08-609 to 10-617, and 2) authorize staff to prepare a revised floodplain resolution to be signed by the Director and transmitted to Larimer County, its incorporated municipalities, and to FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-618: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Adams County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director

and transmitted to UDFCD, Adams County, City of Arvada, City of Aurora, Town of Bennett, City of Brighton, City of Commerce City, City of Federal Heights, City of Northglenn, City of Thornton, City of Westminster, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-619: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Alamosa County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Alamosa County and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-620: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within the City of Alamosa, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to the City of Alamosa and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-621: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Archuleta County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Archuleta County, the Town of Pagosa Springs, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-622: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Summit County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Summit County and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-623: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within the Town of Silverthorne, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to the Town of Silverthorne and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-624: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Fremont County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Fremont County, Town of Coal Creek, City of Canon City, Town of Williamsburg, City of Florence, Town of Rockvale, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-625: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Teller County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Teller County, City of Cripple Creek, City of Woodland Park, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-626: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within

Eagle County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Eagle County, Town of Avon, Town of Basalt, Town of Eagle, Town of Gypsum, Town of Minturn, Town of Redcliff, Town of Vail, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-627: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Park County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Park County, the Town of Fairplay, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-628: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Grand County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Grand County, Town of Fraser, Town of Granby, Town of Grand Lake, Town of Hot Sulphur Springs, Town of Winter Park, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-629: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Garfield County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Garfield County and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-630: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Clear Creek County, 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, Town of Silver Plume, Town of Idaho Springs, and FEMA. This action is recommended in order to meet statutory requirements.

Requested action for Floodplain Resolution 10-631: Staff recommends that the Board: 1) designate and approve the 100-year detailed floodplain information contained in said report within Pitkin County, and 2) authorize staff to prepare a floodplain resolution to be signed by the Director and transmitted to Pitkin County, City of Aspen, Town of Snowmass Village and FEMA. This action is recommended in order to meet statutory requirements.