

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

January 4, 2019

RESOLUTION

PREVIOUS FLOODPLAIN INFORMATION

WHEREAS, the following floodplain studies have been designated by the CWCB for Grange Hall Creek, Riverdale Tributary, 104th Avenue Tributary, Northeast Tributary, North Tributary, and South Tributary as listed in Table 1:

Table 1

Previously designated floodplain information for Grange Hall Creek, Riverdale Tributary, 104th Avenue Tributary, Northeast Tributary, North Tributary, and South Tributary

| Study Name | Author | Report Date | Resolution No. |
|--|---|----------------|----------------|
| FIS, City of Thornton, CO | Gingery Associates, Inc. under FIA contract | December 1977 | 119 |
| FIS, Adams County, Colorado, Unincorporated Areas | Gingery Associates, Inc. under FIA contrac | August 1978 | 153 |
| Flood Hazard Area Delineation, South Platte River, Denver Metropolitan Area, Sand Creek to Oxford Avenue | Wright Water Engineers, Inc. | September 1985 | 251 |
| FIS, Adams County, Colorado Unincorporated Areas | Federal Emergency Management Agency | December 1989 | 327 |
| FIS, City of Thornton, Adams County, Colorado | Federal Emergency Management Agency | January 1982 | 484 |
| FIS, City of Thornton, Adams County, Colorado | Federal Emergency Management Agency | April 1981 | 510 |
| FIS, Adams County, CO and Incorporated Areas | Federal Emergency Management Agency | August 1995 | 530 |
| FIS, Adams County, CO and Incorporated Areas | Federal Emergency Management Agency | March 2007 | 618 |
| FIS, Adams County, CO and Incorporated Areas | Federal Emergency Management Agency | February 2017 | 687 |

; and

WHEREAS, previous floodplain information consists of detailed information that has become outdated; and

FLOODPLAIN INFORMATION TO BE DESIGNATED

WHEREAS, RESPEC completed a new report entitled "Flood Hazard Area Delineation, Grange Hall Creek and Tributaries" dated June 2018; and

WHEREAS, said new report contains detailed 100-year and 500-year floodplain and floodway information for Grange Hall Creek, Riverdale Tributary, 104th Avenue Tributary, Northeast Tributary, North Tributary, and South Tributary through the City of Thornton, City of Northglenn, and Adams County; and

LOCAL REQUEST FOR DESIGNATION

WHEREAS, the study resulting in the said new report was prepared to provide local jurisdictions with a basis for managing Grange Hall Creek, Riverdale Tributary, 104th Avenue Tributary, Northeast Tributary, North Tributary, and South Tributary floodplains and floodways and to minimize threats from flooding to public health and safety; and

WHEREAS, the Urban Drainage and Flood Control District transmitted a letter dated July 23, 2018 to the CWCBC requesting designation and approval of said new study for Grange Hall Creek, Riverdale Tributary, 104th Avenue Tributary, Northeast Tributary, North Tributary, and South Tributary; and

WHEREAS, no request letters were received from the other affected local governments, but conversations with staff from these jurisdictions indicated their desire for designation of this study; and

WHEREAS, the Urban Drainage and Flood Control District Board of Directors also passed a resolution at their June 28, 2018 meeting to adopt the subject study; and

C.R.S. AUTHORITY

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

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

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

CONSISTENCY WITH PREVIOUS FLOODPLAIN STUDIES

WHEREAS, the detailed floodplain information for Grange Hall Creek, Riverdale Tributary, 104th Avenue Tributary, Northeast Tributary, North Tributary, and South Tributary revises and is, therefore, inconsistent with the detailed and approximate floodplain information for Grange Hall Creek, Riverdale Tributary, 104th Avenue Tributary, Northeast Tributary, North Tributary, and South Tributary contained in Resolutions No. 119, 153, 251, 327, 484, 510, 530, 618, 687; and

COMPLIANCE WITH CWCB TECHNICAL STANDARDS

WHEREAS, said new report is based on information gathered and assembled for the existing drainage systems including hydraulic structures, channels, and topography; and

WHEREAS, hydrologic analyses were performed using UDFCD's Colorado Urban Hydrograph Procedure (CUHP, v. 1.4.4) and the EPA's Stormwater Management Model (SWMM, v. 5.1.008); and

WHEREAS, water surface elevations for the 100-, and 500-year flood frequencies for the studied stream reach were computed for said new report using the U.S. Army Corps of Engineers HEC-RAS hydraulic model, Version 4.1.0; and

WHEREAS, floodway limits for the 100-year flood frequency assuming a 0.5 foot maximum rise were computed for said new report using the U.S. Army Corps of Engineers HEC-RAS hydraulic model, Version 4.1.0; and

WHEREAS, the detailed 100-year and 500-year floodplain and floodway information for Grange Hall Creek, Riverdale Tributary, 104th Avenue Tributary, Northeast Tributary, North Tributary, and South Tributary in said new report meets the requirements listed under the Board's "Rules and Regulations for Regulatory Floodplains in Colorado" (2 CCR 408-1); and

WHEREAS, the City of Thornton, City of Northglenn, and Adams County, and the Urban Drainage and Flood Control District should continue to regulate new development and construction in floodplain areas on a case-by-case basis based on the information presented in said new report, or based on the best available floodplain information that is accessible to the cities and the District; and

DESIGNATION, APPROVAL AND RESCISSION ACTION

NOW, THEREFORE, BE IT RESOLVED by the Colorado Water Conservation Board in regular meeting assembled in Steamboat Springs, Colorado, this 19th day of September, 2018, that it does hereby designate and approve as detailed floodplain information the 100-year and 500-year

floodplains and 0.5-ft floodway delineations for Grange Hall Creek, Riverdale Tributary, 104th Avenue Tributary, Northeast Tributary, North Tributary, and South Tributary in the City of Thornton, City of Northglenn, and Adams County contained in said new Flood Hazard Area Delineation dated February 2018; and

BE IT FURTHER RESOLVED that the Board does hereby rescind the detailed and approximate 100-year and 500-year floodplain and floodway information contained in Resolutions No. 119, 153, 251, 327, 484, 510, 530, 618, 687 for the studied reaches of Grange Hall Creek, Riverdale Tributary, 104th Avenue Tributary, Northeast Tributary, North Tributary, and South Tributary contained in said new report dated February 2018; and

BE IT FURTHER RESOLVED that the Secretary of the Board is directed to send a certified copy of this resolution to the City of Thornton, City of Northglenn, and Adams County, Urban Drainage and Flood Control District, and the Federal Emergency Management Agency Region 8.

C E R T I F I C A T E

I certify that the foregoing is a true and correct copy of a resolution adopted by a majority vote of the members of the Colorado Water Conservation Board in regular session assembled at Steamboat Springs, Colorado on the 19th day of September, 2018, at which a quorum was present.

A handwritten signature in cursive script that reads "Rebecca Mitchell". The signature is written in dark ink and is positioned above a horizontal line.

Rebecca Mitchell, Director