



Note: A new HEC-HMS rainfall/runoff model was created for BT-15. For BT-16, a revised version of the Big Thompson River Phase 1 CDOT/CWCB Post Flood HEC-HMS model was used.

Note: New HEC-HMS rainfall/runoff models were created for BT-17 through BT-23.

Note: BT-14 (Dry Creek) will use effective data from the "Hydrology Report for Dry Creek Floodplain" prepared for the City of Loveland.

Note: The South Platte upstream of the St. Vrain Creek confluence and downstream of the Big Thompson River confluence will be studied at a later stage of CHAMP.

Legend*

Cities

Counties

UDFCD Boundary

Hydrology Data

Other

AECOM - Revised 24hr HEC-HMS

City of Boulder (MIKE11)

Estes Park (HEC-HMS)

Existing FIS

Glen Haven (HEC-HMS)

Larimer County (HEC-HMS)

UDFCD (EPA SWMM)

UDFCD (UDSWM)

CWCB/CDOT Post Flood (HEC-HMS)Original Model**Drainage Area InterpolationOriginal Model Verified with HEC-HMSOriginal Model Verified with Regression Eqns

*Please see the "CHAMP Hydrology Decision Tree" for a description of the process used to select the methods and sources noted in this figure.

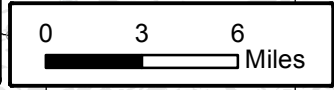
**Several reaches include new junction elements which do not alter the model results

Note: Hydrology methods reflect our understanding from community and agency discussions.

Hydrology Sources and Methods

COLORADO HAZARD MAPPING PROGRAM PHASE 1

Updated: March 21, 2016



FINAL DRAFT

CHAMP Hydrology Decision Tree

