

MASTER PLANNING PROGRAM UPDATE



Dutch Creek, Lilley Creek, Moon Creek, Three Lakes Tributary

- ✓ Major Drainageway Plan (MDP) and Flood Hazard Area Delineation (FHAD) reports
- ✓ Sponsors: UDFCD, Jefferson County, Town of Columbine Valley, City and County of Denver, **Arapahoe County (SEMSWA)**
- ✓ Additional Stakeholders: City of Littleton, Jefferson County Open Space, Foothills Parks and Recreation and USACE
- ✓ Consultant: PBS&J
- ✓ Draft Phase B Report submitted for comments in September 2008
- ✓ Final Phase B Report expected before the end of the year



Yellow Creek, Little Boy Creek, and Greenwood Gulch

- Outfall Systems Planning Study
- Sponsors: UDFCD, **SEMSWA**, City of Lone Tree, Greenwood Village, Douglas County and South Suburban Parks and Recreation
- Additional Stakeholders: City of Centennial
- Consultant: CH2M Hill
- Draft Hydrology Report submitted May 2008
- Final Hydrology put on hold while the CUHP model (UDFCD) was corrected (September 2008)
- Final Hydrology Report submitted October 2008
- Last Progress Meeting on 11/13/08 to discuss possible improvement alternatives



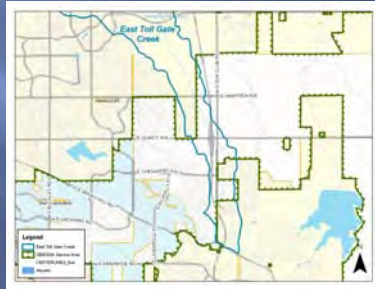
West Creek

- Major Drainageway Planning and Flood Hazard Area Delineation Reports
- Sponsors: UDFCD, City of Aurora and the City and County of Denver
- Additional Stakeholders: Aurora Water, **SEMSWA**, Arapahoe County, Oakwood Homes and Stantec
- Consultant: Moser and Associates Engineering
- Draft Baseline Hydrology Report submitted and commented on April 2008
- Final Hydrology put on hold while the CUHP model (UDFCD) was corrected (September 2008)
- Revised hydrology submitted last week
- Next progress meeting in December to discuss updated hydrology results



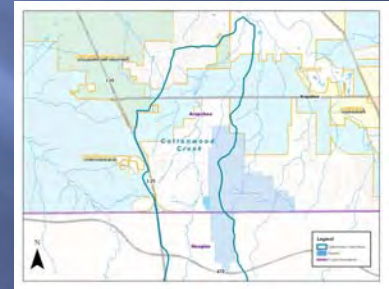
Upper East Tollgate Creek

- Major Drainageway Planning and Flood Hazard Area Delineation Reports
- Funding Agreement signed in August 2008 but no kickoff meeting until 2009
- Project Sponsors: UDFCD, Aurora, SEMSWA
- Additional Stakeholders: TBD
- Consultant: TBD



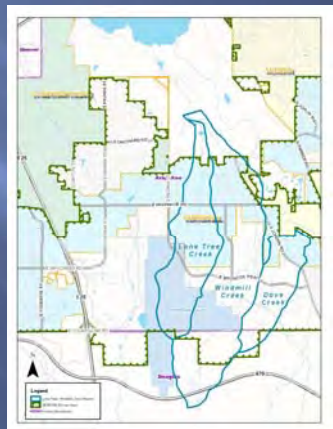
Lower Cottonwood Creek

- Outfall Systems Plan Update to the 1991 plan
- Sponsors are: UDFCD and SEMSWA
- Consultant: Muller Engineering
- Additional Stakeholders are: Greenwood Village, City of Centennial, City of Lone Tree, Inverness Metro District, Douglas County and the Cherry Creek Water Quality Authority (CCWQA)
- Draft Baseline Hydrology Report submitted in June 2008
- Final Hydrology put on hold while the CUHP model (UDFCD) was corrected (September 2008)
- Hydrology was revised and discussed on 10/28/08
- Currently scheduling next progress meeting to discuss alternatives



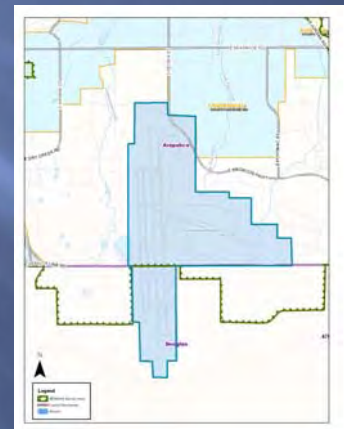
Lone Tree, Windmill, and Dove

- Master Drainageway Planning and Flood Hazard Delineation Reports
- Sponsors: UDFCD, SEMSWA and Douglas County
- Additional Stakeholders: Arapahoe County, City of Aurora, Aurora Water, WWC (ACWWA), WRC Engineering (ACWWA), Cherry Creek Basin Water Quality Authority and Centennial Airport
- Consultant: Icon Engineering
- Draft Baseline Hydrology Report submitted for review in October 2008
- Currently resolving comment issues



Centennial Airport Drainage Master Plan Report

- Result: Conceptual Development Plan
- Sponsor: Centennial Airport
- Consultant: CH2M Hill
- Additional Stakeholders: SEMSWA, Arapahoe County, ACWWA and Douglas County
- Draft Report Submitted to the Airport in March 2008 – SEMSWA commented April 18, 2008
- Future Conditions Hydrology and Water Quality Section of the report received Oct. 10, 2008
- SEMSWA comments generally include a request to coordinate with all the stakeholders and the other master plans under way through UDFCD (Cottonwood Creek and the Lone Tree, Windmill and Dove Creek)



FLOODPLAIN MANAGEMENT PROGRAM UPDATE



Nation Flood Insurance Program (NFIP) Projects

- ▣ DFIRM – Digital Flood Insurance Rate Maps
 - Delayed: maps will be ready for review this month?
 - Maps will not be final until late 2009
- ▣ Community Rating System (CRS)
 - Discount on flood insurance policies in exchange for higher floodplain management standards than FEMA's minimum criteria
 - Arapahoe County is a CRS community (currently 10% reduction on flood insurance)
 - City of Centennial is not a CRS community (currently no discount on flood insurance)

CRS continued

- Plan for to have the City of Centennial be a CRS Community by mid 2009
- Plan to increase discount to at least 15% for both communities by mid 2009
- Currently there are approximately 107 floodplain insurance policies within SEMSWA's jurisdiction
 - ▣ 59 are in the City of Centennial (currently no discount)
 - ▣ 48 are in Arapahoe County within SEMSWA's jurisdiction (currently) 10% discount
 - ▣ GIS will help us to identify other homes in the floodplain whose owners should be informed about their risk and options for flood insurance

Memorandum of Understanding (MOU) with Arapahoe County

- ▣ To address floodplain management
- ▣ To address master planning projects
- ▣ Plan to prepare draft and begin discussion after the MS4 Permit MOU is finalized

Completed Projects

- ▣ Floodplain Development Permit checklist for the SEMSWA Maintenance Group
- ▣ LiDAR Project – Andy discussed
- ▣ Cornerstar LOMR – effective this month
- ▣ Cherry Creek Drops 20 and 21 – LOMR effective

Current Projects with Significant Floodplain Issues

- ▣ Piney Creek Ranches – City of Centennial
- ▣ Walbash Bridge - Arapahoe County
- ▣ Tagawa Access Road and Trailhead – City of Centennial
- ▣ Cottonwood Creek Stabilization Project – Arapahoe County
- ▣ Cottonwood Creek Tributary C Crossing – Arapahoe County
- ▣ Little Dry Creek at Arapahoe Road Crossing – City of Centennial

Floodplain Development Permits

- ▣ Currently 17 permits in process
- ▣ 10 Permits issued this year to date
- ▣ Plan to update permit forms early 2009

Floodplain Limit Inquiries

- ▣ 14 general inquiries completed to date in 2008
- ▣ 34 reviews completed for Arapahoe County's Building Department to date in 2008

Training and Conferences

- ▣ Monica – Association of State Floodplain Managers (ASFPM) conference in June 2008
- ▣ Peter Reinhardt – passed Certified Floodplain Manager (CFM) exam in September 2008
- ▣ Monica and Peter - Colorado Association of Stormwater and Floodplain Managers (CASFM) conference in September 2008
- ▣ Monica – CRS Workshop – November 2008
- ▣ Monica and Peter – CUHP and SWMM modeling class in December 2008