

CDC Model Update



11 July 2013

CDC Update Study Overview

- Hydrology
 - ▶ Land use updates
 - ▶ Valley storage updates from river hydraulics
 - ▶ Conversion and comparison of HEC-1 to HMS
 - ▶ Design storms
- River Hydraulics
 - ▶ Incorporate constructed and permitted projects into river hydraulic models
 - ▶ Incorporate HEC-2 storage model into HEC-RAS model
 - ▶ Describe the impacts of constructed developments on WS elevations and storages
 - ▶ Provides storages for input into hydrology model
- Internal, FMTF, & Vertical Team Reviews



Denton Creek Addition

- Hydrology
 - ▶ 2055 Future land use
 - ▶ DCLID storage data (where available)
 - ▶ Valley storage updates from river hydraulics model
- River Hydraulics
 - ▶ Incorporate 1 constructed projects into river hydraulic models
 - ▶ Provides storages for input into hydrology model
 - ▶ Georeferenced
- Internal, FMTF, & Vertical Team Reviews



Moving Forward / Next Steps

- FMTF Acceptance
- Steering Committee Approval
- CDC manual Revisions
- 01 January 2014 implementation?
- Continued work in implementing regional stormwater management



CDC Update Fact Sheet

- ROD – 1988
- CDC Program established 1991
- 4th Edition being revised
- Effective at limiting loss of valley storage
- Q's and WSE's increased due to U/S development
- Need for regional stormwater management
- Need to restudy urban curve methodology
 - ▶ Requires additional stream gages
- 01 January 2014 implementation
- Grandfathering of projects with active CDC application



Questions / Comments



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