Documentation on Peak Flow Analysis for the

Colorado Plan for Future Depletions

(from EDO server of a CD of Program Document Appendices)

The Platte EIS Office of the Bureau of Reclamation hired Hydrosphere Resource Consultants of Boulder, Colorado to develop a model (to be used in conjunction with the OpStudy Model) to analyze the potential effects of Colorado's future water development on South Platte peak flows. This was an extensive effort with sequential steps that are discussed in the following documents which are enclosed.

Doc 1: SPlattePeakStudyHydrosphere7-21-03.pdf "Potential Effects of Colorado's Future Water Development on Central Platte River Peak Flows (2003a)". This discusses the study approach and general assumptions and effects on 1-day, 3-day, and 30-day historic flow events from different large development scenarios.

Doc 2: Memo_2020_increment.pdf "Assumptions for "first increment" depletions by Colorado (2003b)". Memo by Hydrosphere on additional modeling using a different set of scaled back Colorado development scenarios.

Doc 3: Contents_Resources.pdf Water Resources Appendix of the PRRIP Final EIS. Discusses overall Central and North Platte Models and South Platte Model (page 297 of pdf) and where Appendix C on page 315 discusses the 98KAF February-July Scenario contained in the final Colorado Plan for Future Depletion (CPFD) of PRRIP

Doc 4: Hydrosphere spreadsheet called "Peak Reduction Full Timeseries 2020_121KAF" This is a read only because links unavailable. Daily data and analysis for 1947-1994.