Surface Water Coalition
Rebuttal Expert Reports Exhibit List

IN THE MATTER OF DISTRIBUTION OF WATER TO VARIOUS WATER RIGHTS HELD BY OR FOR THE BENEFIT OF A&B IRRIGATION DISTRICT, AMERICAN FALLS RESERVOIR DISTRICT #2, BURLEY IRRIGATION DISTRICT, MILNER IRRIGATION DISTRICT, MINIDOKA IRRIGATION DISTRICT, NORTH SIDE CANAL COMPANY, AND TWIN FALLS CANAL COMPANY

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Rebuttal Report Exhibits

Rebuttal Reports

Exhibit 8190
Rebuttal Report by SWC to King Expert Report

Exhibit 8191
Rebuttal Report by SWC to Breondecke Expert Report

Exhibit 8192
Rebuttal Report by SWC to Sullivan and Franzoy Expert Report

Exhibit 8193
Rebuttal Report by SWC to Carlson Expert Report
Exhibit 8194  Rebuttal Testimony by Norm Young to Sullivan and Franzoy Expert Report
Exhibit 8195  Rebuttal Report by Joel Hamilton to Church Expert Report

Exhibits Used for Rebuttal Report to Sullivan/Franzoy Expert Report

Exhibit 8200  Comparison of SWC Field Efficiencies
Exhibit 8201  Comparison between Sullivan’s assumed conveyance losses and SWC estimates
Exhibit 8203  Combined reservoir storage for the Palisades Project from Table 21 in Reclamation’s 1946 Palisades Project Planning Report
Exhibit 8204  Comparison of Sullivan Calculation of Excess Supply or Shortage (AF) with SWC Calculation (AF) and Historical Curtailment

Exhibits Used for Rebuttal Report to Brendecke Expert Report

Exhibit 8211  Reach gain decline in the near Blackfoot to Milner reach (Figure 7-31)
Exhibit 8212  Comparison of monthly-average Snake River reach gains showing the decline between historic and recent periods including the 1930s drought and the more-recent drought in 1992, 1994 and in the 2000s.
Exhibit 8213  Reach gain declines in the nr Blackfoot to Milner reach (from Table 7-4)
Exhibit 8214  Relationship between declining TFCC monthly natural flow diversions and the declining reach gains in the near Blackfoot to Milner reach during the middle of the irrigation season. (Figure 7-32)
Exhibit 8215  Correlation of Blackfoot to Milner reach gains and permitted ground water irrigation on the ESPA.
Exhibit 8216  Double-mass curve analysis for Blackfoot to Milner for May to Sept reach gains (upper graph) and July-Aug reach gains (lower graph) compared to unregulated Snake River flow into the America Falls reach.
Exhibit 8217  
Comparison of TFCC Daily and Cumulative Daily Natural Flow Diversions – 2003 (Figure 8 - 1)

Exhibit 8218  
Comparison of TFCC Natural Flow Diversions - Dry Years (Table 8 - 1)

Exhibit 8219  
Comparison of NSCC Daily and Cumulative Daily Natural Flow Diversions – 2003 (Figure 8 - 2)

Exhibit 8220  
Comparison of NSCC Natural Flow Diversions – Dry Years (Table 8 - 2)

Exhibit 8221  
Comparison of total SWC natural flow diversions – dry years (Table 8 - 3)

Exhibit 8222  
Comparison of TFCC natural flow diversions in the 1930s and 2000s drought.

Exhibit 8223  
Comparison of NSCC natural flow diversions in the 1930s and 2000s drought.

Exhibit 8224  
Comparison of SWC natural flow diversions in the 1930s and 2000s drought.

Exhibit 8225  
Table reproduced from USGS Water Supply Paper 774 (pg. 197) showing reach gains in the near Blackfoot (Clough) and Neeley reach.

Exhibit 8226  
Reclamation Palisades Reservoir Project Planning Report Operation Study Results

Exhibit 8226  
Modeled and observed ground water levels from ESPAM model calibration.

Exhibit 8227  
Modeled and observed reach gains from ESPAM model calibration.

Exhibit 8228  
Transmissivity distribution in ESPAM model showing cell-by-cell variations in transmissivity to account for varying hydraulic properties in the aquifer.
Exhibit 8229  Increased water supply available with curtailment of ground water pumping based on results of 888 cfs Scenario for years with simulated irrigation shortfalls.

Exhibit 8230  Comparison of the minimum full supply in the IDWR Order with the SWC diversions. (Figure 8-4, SWC Expert Report)

Exhibit 8231  Comparison of the minimum full supply in the IDWR Order with the SWC irrigation diversion requirements. (Pg 9-8, SWC Expert Report)