Appendix A

Daily Streamflow Records, USGS Gaging-Station 09047500 (Snake River near Montezuma, CO [Period of Record: July 1942-September 1946 and October 1951-present])

Figure A-1 – Snake River-Keystone Gulch, Monthly Streamflow Correlation

Figure A-2 – Streamflow Correlations, Other Paired Water-Quality Sites
Figure A-1 -- Streamflow Correlations, Other Paired Long-Term Water-Quality Sites

A. Streamflow Correlation, CU Site DC5 vs. USGS 09047500

\[ y = 0.0893x + 0.4844 \]
\[ R^2 = 0.93 \]

B. Streamflow Correlation, CU Site SN2 vs. USGS 09047500

\[ y = 0.0763x + 2.128 \]
\[ R^2 = 0.87 \]
Figure A-2 -- Streamflow Correlations, Other Paired Water-Quality Sites

A. Snake River above Peru Creek (SW-047) vs. USGS 09047500

\[ y = 0.3386x - 0.8995 \]
\[ R^2 = 0.999 \quad N=6 \]

B. Peru Creek at Mouth (SW-049) vs. USGS 09047500

\[ y = 0.2487x + 1.6296 \]
\[ R^2 = 0.97 \quad N=9 \]

C. Snake River below Peru Creek (SW-050) vs. USGS 09047500

\[ y = 0.71x - 4.9867 \]
\[ R^2 = 0.98 \quad N=8 \]
Figure A-3 -- Snake River-Keystone Gulch -- Monthly Streamflow Correlation

\[ y = 0.0925x + 0.8546 \]

\[ R^2 = 0.84 \]