

cease and the groundwater level would return to approximately the same elevation as Lake Powell.

## **5.3.2 Water Supply**

### ***5.3.2.2 Environmental Effects***

#### **5.3.2.2.3 Proposed Lake Powell Pipeline Water Supply.**

##### ***Pg. 5-91, 6<sup>th</sup> paragraph***

The South Alternative, Existing Highway Alternative, Southeast Corner Alternative, and South Variant Alternative would each have the same environmental effects on water supply. These are referred to in this environmental effects section as the LPP alternatives. The water supply for the LPP alternatives, diverted from Lake Powell using the State of Utah's unused Colorado River water from Green River water rights, would total 86,249 ac-ft per year. The LPP water would be used to meet water supply deficits in the WCWCD and KCWCD service areas.

#### ***5.3.2.4 Cumulative Effects***

##### ***Pg. 5-92, 6<sup>th</sup> paragraph***

The South Alternative, Existing Highway Alternative, Southeast Corner Alternative, and South Variant Alternative would each have the same cumulative effects on water supply. These are referred to in this cumulative effects section as the LPP alternatives. The No Lake Powell Water Alternative would have a separate set of cumulative effects on water supply. There would be no cumulative effects from the No Action Alternative.

#### ***5.3.2.5 Unavoidable Adverse Effects***

##### ***Pg. 5-93, 6<sup>th</sup> paragraph***

The South Alternative, Existing Highway Alternative, Southeast Corner Alternative, and South Variant Alternative each could have an unavoidable adverse, long-term cumulative indirect effect on water supply in combination with the potential effects of future management activities by the BLM St. George Field Office proposed RMP and amendments. These potential future management activities could require the use of Virgin River water currently used for M&I water supply to be used for habitat restoration, species conservation and resource protection to meet desired future conditions under the proposed RMP and amendments.

## **5.3.3 Surface Water Resources**

### ***5.3.3.4 Cumulative Effects***

*This is a new Section 5.3.3.4.4. Section heading numbers of the remaining sections in Section 5.3.3.4 are increased accordingly.*

#### **5.3.3.4.4 South Variant Alternative.**

The cumulative effects of the South Variant Alternative would be the same as described for the South Alternative in Section 5.3.3.4.1.

#### ***5.3.3.5 Unavoidable Adverse Effects***

*This is a new Section 5.3.3.5.5. Section heading numbers of the remaining sections in Section 5.3.3.5 are increased accordingly.*

**5.3.3.5.5 South Variant Alternative.**

The unavoidable adverse effects of the South Variant Alternative would be the same as described for the South Alternative in Section 5.3.3.5.1.

**5.3.4 Surface Water Quality**

**5.3.4.2 Environmental Effects**

*This is a new Section 5.3.4.2.5. Section heading numbers of the remaining sections in Section 5.3.4.2 are increased accordingly.*

**5.3.4.2.5 South Variant Alternative.**

The South Variant Alternative would have the same effects on surface water quality as described for the South Alternative in Section 5.3.4.2.2.

**5.3.4.4 Cumulative Effects**

*This is a new Section 5.3.4.4.4. Section heading numbers of the remaining sections in Section 5.3.4.4 are increased accordingly.*

**5.3.4.4.4 South Variant Alternative.**

The cumulative effects of the South Variant Alternative would be the same as described for the South Alternative in Section 5.3.4.4.1.

**5.3.4.5 Unavoidable Adverse Effects**

*This is a new Section 5.3.4.5.4. Section heading numbers of the remaining sections in Section 5.3.4.5 are increased accordingly.*

**5.3.4.5.4 South Variant Alternative.**

The unavoidable adverse effects of the South Variant Alternative on surface water quality would be the same as described for the South Alternative in Section 5.3.4.5.1.

**5.3.5 Groundwater Resources**

**5.3.5.2 Environmental Effects**

*This is a new Section 5.3.5.2.5. Section heading numbers of the remaining sections in Section 5.3.5.2 are increased accordingly.*

**5.3.5.2.5 South Variant Alternative.**