

3. RESULTS

3.1 Effects of the Grasslands Bypass Project Ambient Water on *Selenastrum capricornutum*

The results for this testing are summarized in Table 2. TST analysis resulted in a pass, indicating that the samples were not toxic for the growth endpoint. The test data and summary of statistical analyses for this testing are presented in Appendix B.

Table 2. Effects of Grasslands Bypass Project ambient water on <i>Selenastrum capricornutum</i>			
Treatment/Sample ID	Mean Algal Cell Density (cells/mL x 10 ⁶)	TST Analysis	% Effect
Lab Water Control	2.86		
GBP-135-D-TE	4.45	Pass	-55.2%
GBP-135-B3-TE	4.54	Pass	-58.6%
GBP-135-F-TE	4.27	Pass	-49.0%
GBP-135-R-TE	4.81	Pass	-67.9%

3.2 Effects of the Grasslands Bypass Project Ambient Water on *Daphnia magna*

The results for this testing are summarized in Table 3. The TST analysis resulted in a pass, indicating that the samples were not toxic for the survival endpoint. The test data and summary of statistical analyses for this testing are presented in Appendix C.

Table 3. Effects of Grasslands Bypass Project ambient water on <i>Daphnia magna</i> .			
Treatment/Sample ID	Mean % Survival	TST Analysis	% Effect
Lab Water Control	100		
GBP-135-D-TE	100	Pass	0.0%
GBP-135-B3-TE	90.0	Pass	10%
GBP-135-F-TE	95.0	Pass	5.0%
GBP-135-R-TE	95.0	Pass	5.0%



3.3 Effects of the Grasslands Bypass Project Ambient Water on Fathead Minnows

The results for this testing are summarized in Table 4. TST analysis resulted in a pass, indicating that the samples were not toxic survival endpoint. The test data and summary of statistical analyses for this testing are presented in Appendix D.

Table 4. Effects of Grasslands Bypass Project ambient water on fathead minnows.			
Treatment/Sample ID	Mean % Survival	TST Analysis	% Effect
Lab Water Control	100		
GBP-135-D-TE	97.5	Pass	2.5%
GBP-135-B3-TE	97.5	Pass	2.5%
GBP-135-F-TE	100	Pass	0.0%
GBP-135-R-TE	97.5	Pass	2.5%

