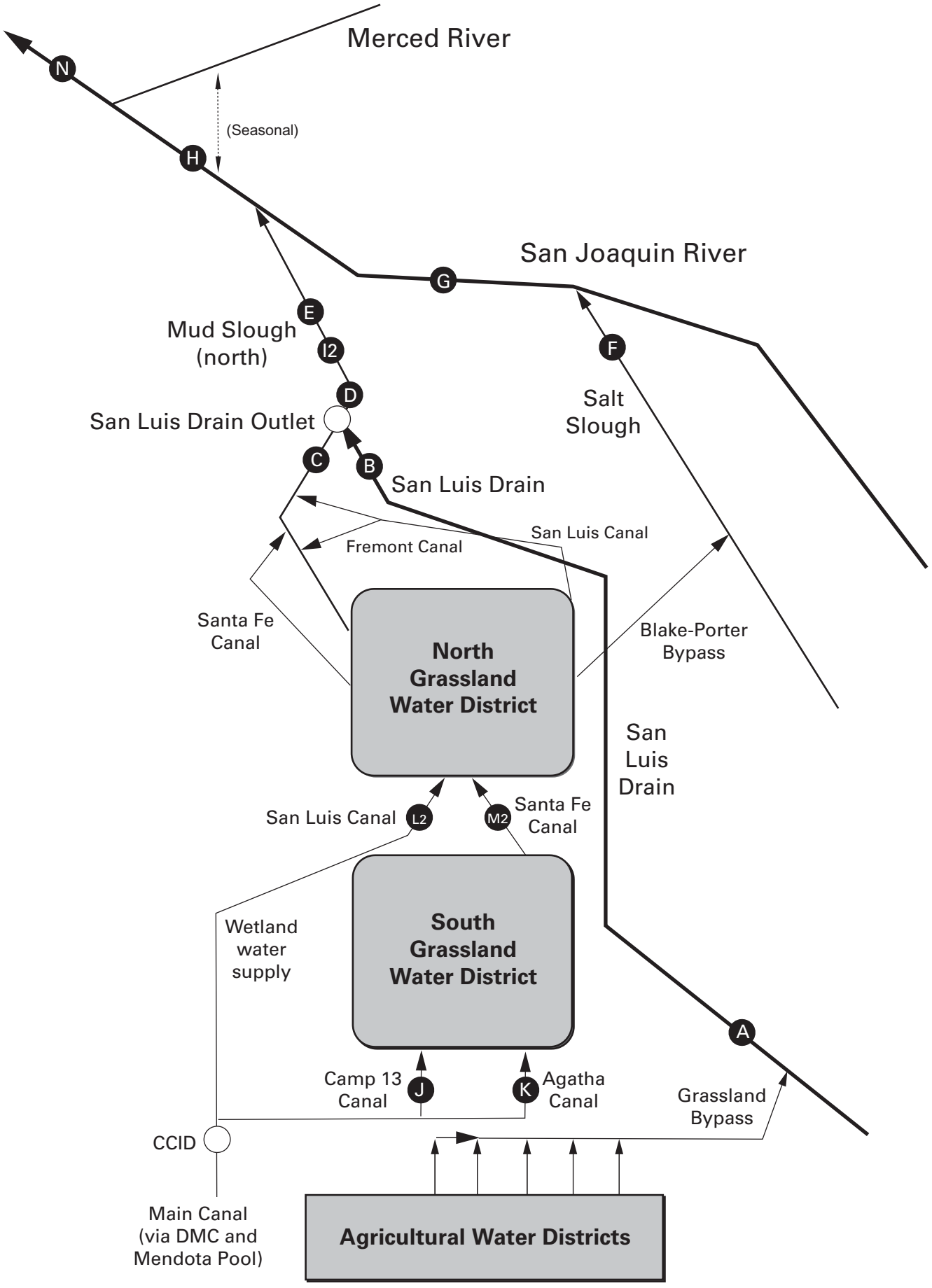
Merced River
N
(Seasonal)
H
San Joaquin River
G
E
Mud Slough
(north)
I2
F
D
Salt
Slough
San Luis Drain Outlet
C
B
San Luis Drain
San Luis Canal
Fremont Canal
Santa Fe
Canal
North
Grassland
Water District
Blake-Porter
Bypass
San
Luis
Drain
San Luis Canal
L2
M2
Santa Fe
Canal
Wetland
water
supply
South
Grassland
Water District
A
Camp 13
Canal
J
K
Agatha
Canal
Grassland
Bypass
CCID
Main Canal
(via DMC and
Mendota Pool)
Agricultural Water Districts

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 *Selenastrum capricornutum*

Treatment/Sample ID	Mean Algal Cell Density (cells/mL x 10^6)	TST Analysis	% Effect
Lab Water Control	2.32		
GBP-128-D-TE	5.39	Pass	-133%
GBP-128-B3-TE	3.53	Pass	-53%
GBP-128-F-TE	5.68	Pass	-146%
GBP-128-R-TE	5.64	Pass	-143%

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

The results for this testing are summarized in Table 3. 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 C.

Table 3. Effects of Grasslands Bypass Project ambient water on *Daphnia magna*.

Treatment/Sample ID	Mean % Survival	TST Analysis	% Effect
Lab Water Control	100		
GBP-128-D-TE	100	Pass	0.0%
GBP-128-B3-TE	100	Pass	0.0%
GBP-128-F-TE	100	Pass	0.0%
GBP-128-R-TE	100	Pass	0.0%

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-128-D-TE	95.0	Pass	5.0%
GBP-128-B3-TE	100	Pass	0.0%
GBP-128-F-TE	100	Pass	0.0%
GBP-128-R-TE	100	Pass	0.0%