

## Appendix B

### Detailed Operating Criteria

## Alternative SDCS operations

Alternate SDCS Operations are as follows:

1. Temporarily change the target stage in L-31W to 4.2 feet-NGVD.
2. Operate S-151, G-69 and the L67A gap closure using Site 71 trigger.
3. Move WCA 3B seepage from L-30 via L-31N, L-31W, and C-111.

Operational Procedures will be as follows:

1. Temporarily change the target stage in L-31W to 4.2 feet-NGVD:
  - a. Open S-174
  - b. Pump up to 165 cfs at S-332
  - c. Maintain target of 4.2 feet-NGVD at S-175 HW
2. Operations for WCA 3B using Site 71 trigger:
  - a. 8.5 feet-NGVD reduce discharges through S-151
  - b. 8.5 feet-NGVD Open culverts G-69 consistent with TW constrains at S-333 in preference to opening S-333
  - c. 8.7 feet-NGVD close S-151 if S-337 not available for conveyance
  - d. 8.8 feet-NGVD mobilize equipment to L-67A gap \*\*
  - e. If stage continues to climb, at 9.0 feet-NGVD close gap in L-67A \*\*

\*\* If the gap is still open by 15 May 1998, the gap closing criteria will revert back to the original 1994 EA for the Pilot Test Field Test Gapping L-67 , which was, mobilize equipment to L-67A gap at 8.6 feet-NGVD and close the gap if the stage continued to climb to 8.7 feet-NGVD.
3. Move WCA 3B seepage water from L-30 via L-31N, L-31W, and C-111
  - a. Maintain normal Test 7.1 criteria except as follows:
  - b. Open S-335 when HW  $\geq$  7.0 feet-NGVD during period when S-331 is pumping to control seepage in L-30
  - c. Operations for WCA 3B using Site 71 criteria
  - d. Maintain S-334 TW = 6.0 feet-NGVD
  - e. Set partial gate opening at G-211 consistent with S-334 TW and S-331 HW constraint
  - f. Operate S-331 as needed for added flows from S-335  
\*\*\*\* If S-331 TW  $\geq$  5.3 and S176 HW  $>$  4.7 open S-176  
S-176 will start to close when the S-331 TW = 5.0 feet-NGVD  
If the S-176 HW = 4.5 and gate open then we would stop these operations, and evaluate the system to see why L-31N flow is restricted.
  - g. Temporarily change target stage in L-31W to 4.2 feet-NGVD
  - h. Suspend S-335 seepage operations if S-18C HW  $>$  2.7 feet-NGVD to decrease the probability of opening S-197  
\*\*\*\* This is a rare event based on historical records, and is included as a failsafe measure to account for possible changes in antecedent conditions in advance of a rainfall event.