

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---|
| 2023 | | | |
| 06/23/23 | 9:50 | open | Summer 2023 opening |
| 09/05/23 | 10:07 | closed | Collinsville salinity requirement |
| 09/08/23 | 10:07 | open | Delta salinity/weekend recreation |
| 09/11/23 | 9:41 | closed | Collinsville salinity requirement |
| 09/15/23 | 9:32 | open | Delta salinity/weekend recreation |
| 09/18/22 | 9:45 | closed | Collinsville salinity requirement |
| 09/22/23 | 9:34 | open | Delta salinity/weekend recreation |
| 09/25/23 | 9:55 | closed | Collinsville salinity requirement |
| 09/29/23 | 9:50 | open | Delta salinity/weekend recreation |
| 10/02/23 | 9:52 | closed | Collinsville salinity requirement |
| 10/06/23 | 9:35 | open | Delta salinity/weekend recreation |
| 10/09/23 | 8:42 | closed | Collinsville salinity requirement |
| 10/13/23 | 9:30 | open | Delta salinity/weekend recreation |
| 10/16/23 | 10:13 | closed | Collinsville salinity requirement |
| 10/20/23 | 10:03 | open | Delta salinity/weekend recreation |
| 10/23/23 | 9:55 | closed | Collinsville salinity requirement |
| 10/27/23 | 10:04 | open | Delta salinity/weekend recreation |
| 10/30/23 | 10:00 | closed | Fall X2/Collinsville salinity requirement |
| 11/03/23 | 10:04 | open | Facility maintenance and gate testing |
| 11/08/23 | 10:01 | closed | Rio Vista requirement |

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|-------------|-------------|---------------|-------------------------------|
| 2022 | | | |
| 04/06/22 | 1105 | open | Testing |
| 04/06/22 | 1200 | closed | Testing |
| 05/27/22 | 0945 | open | Holiday weekend gate opening. |
| 05/31/22 | 1003 | closed | |
| 07/01/22 | 0945 | open | Holiday weekend gate opening |
| 08/08/22 | 1138 | closed | Maintenance work |
| 08/10/22 | 1000 | open | Maintenance work completed |
| 10/03/22 | 1000 | closed | Rio Vista |
| 10/07/22 | 1000 | open | |
| 10/10/22 | 1003 | closed | Rio Vista |
| 10/14/22 | 1000 | open | Rio Vista |
| 10/17/22 | 1000 | closed | Rio Vista |
| 10/21/22 | 1000 | open | Rio Vista |
| 10/24/22 | 1000 | closed | Rio Vista |
| 10/28/22 | 1000 | open | Rio Vista |
| 10/31/22 | 1012 | closed | Rio Vista |
| 11/04/22 | 0939 | open | Rio Vista |
| 11/07/22 | 1050 | closed | Rio Vista |
| 11/11/22 | 0924 | open | Rio Vista |
| 11/14/22 | 1050 | closed | Rio Vista |
| 11/18/22 | 1011 | open | Rio Vista |
| 11/21/22 | 1030 | closed | Rio Vista |
| 11/25/22 | 0920 | open | Rio Vista/salinity |
| 11/28/22 | 1000 | closed | Rio Vista/salinity |

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| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---|
| 2021 | | | |
| 05/05/21 | 1128 | open | Testing |
| 05/05/21 | 1155 | closed | Testing |
| 05/05/21 | 1229 | open | Testing |
| 05/05/21 | 1255 | closed | Testing |
| 05/05/21 | 1320 | open | Testing |
| 05/05/21 | 1345 | closed | Testing |
| 06/04/21 | 1033 | open | Weekend opening/water quality |
| 06/07/21 | 0938 | close | |
| 06/16/21 | 0927 | open | Delta water quality |
| 06/29/21 | 0955 | closed | Delta water quality |
| 07/02/21 | 0925 | open | |
| 08/30/21 | 1155 | closed | Maintenance/Testing |
| 08/30/21 | 1300 | open | Maintenance/Testing completed |
| 09/07/21 | 1009 | closed | Delta Rio Vista requirement/seasonal weekend Operation |
| 09/10/21 | 0909 | open | Delta Rio Vista requirement/seasonal weekend Operation |
| 09/13/21 | 0933 | closed | Delta Rio Vista requirement/seasonal weekend Operation |
| 09/17/21 | 0933 | open | Delta Rio Vista requirement/seasonal weekend Operation |
| 09/20/21 | 1006 | closed | Delta Rio Vista requirement/seasonal weekend Operation |
| 09/24/21 | 0947 | open | Delta Rio Vista requirement/seasonal weekend Operation |
| 09/27/21 | 0952 | closed | Delta Rio Vista requirement/seasonal weekend Operation |
| 09/30/21 | 1040 | open | Delta Rio Vista requirement and salinity/seasonal weekend Operation |
| 10/04/21 | 0957 | closed | Delta Rio Vista requirement and salinity/seasonal weekend Operation |
| 10/08/21 | 0950 | open | Delta Rio Vista requirement and salinity/seasonal weekend Operation |

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| DATE | TIME | ACTION | REMARKS |
|-----------------------|-------------|---------------|---|
| 2021 Continued | | | |
| 10/11/21 | 0955 | closed | Delta Rio Vista requirement and salinity/seasonal weekend Operation |
| 10/15/21 | 0946 | open | Delta Rio Vista requirement and salinity/seasonal weekend Operation |
| 10/18/21 | 1010 | closed | Delta Rio Vista requirement and salinity/seasonal weekend Operation |
| 10/22/21 | 0955 | open | Delta Rio Vista requirement and salinity/seasonal weekend Operation |
| 10/25/21 | 1048 | closed | Delta Rio Vista requirement and salinity/seasonal weekend Operation |
| 11/05/21 | 1132 | open | Delta salinity |
| 11/13/21 | 0951 | closed | Knights Landing Catch Index threshold exceeded |
| 11/19/21 | 1015 | open | Delta salinity |
| 11/23/21 | 1000 | closed | Rio Vista requirement |
| 11/26/21 | 1004 | open | Delta salinity/weekend recreation |
| 11/30/21 | 1052 | closed | Rio Vista flow requirement/Seasonal closure |

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| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---|
| 2020 | | | |
| 05/22/20 | 0953 | open | Spring weekend opening |
| 05/26/20 | 1000 | close | |
| 05/30/20 | 1000 | open | |
| 06/01/20 | 1000 | close | |
| 06/06/20 | 1000 | open | |
| 06/08/20 | 1050 | close | |
| 06/12/20 | 0950 | open | Summer Schedule |
| 10/13/20 | 1700 | close | Lower Mokelumne River pulse flow |
| 10/17/20 | 0940 | open | |
| 10/20/20 | 1650 | close | Lower Mokelumne River pulse flow |
| 10/24/20 | 0941 | open | |
| 10/28/20 | 1650 | close | Lower Mokelumne River pulse flow and Rio Vista Flow |
| 10/31/20 | 0810 | open | |
| 11/02/20 | 1052 | close | Rio Vista Flow |
| 11/06/20 | 0932 | open | |
| 11/09/20 | 1037 | close | |
| 11/13/20 | 0945 | open | |
| 11/16/20 | 1020 | closed | Rio Vista Flow requirement |
| 11/25/20 | 0955 | open | Opening gates for holiday weekend. |
| 12/01/20 | 1015 | close | Dec 1 seasonal closure |

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| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---|
| 2019 | | | |
| 06/21/19 | 0945 | open | Summer operations |
| 10/23/19 | 0945 | closed | NMFS BO Action IV.1.2 KLCI triggered. |
| 10/26/19 | 1005 | open | |
| 12/01/19 | 0000 | closed | NMFS BO Action IV.1.2 Dec 1 seasonal closure. |

**BUREAU OF RECLAMATION
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| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 2018 | | | |
| 05/25/18 | 0945 | open | Memorial Day weekend opening |
| 05/29/18 | 1050 | closed | - |
| 06/01/18 | 0935 | open | Weekend opening |
| 06/04/18 | 1050 | closed | - |
| 06/08/18 | 1015 | open | Weekend opening |
| 06/11/18 | 1100 | closed | - |
| 06/15/18 | 1000 | open | Summer operations |
| 11/05/18 | 1049 | closed | Increase flows on Sac River at Rio Vista |
| 11/09/18 | 0955 | open | Weekend opening |
| 11/13/18 | 1050 | closed | Increase flows on Sac River at Rio Vista |
| 11/16/18 | 1011 | open | Weekend opening |
| 11/19/18 | 1051 | closed | Increase flows on Sac River at Rio Vista |
| 11/21/18 | 1102 | open | Weekend opening |
| 11/30/18 | 1002 | closed | NMFS BO Action IV.1.2 (Dec 1) |

**BUREAU OF RECLAMATION
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| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 2017 | | | |
| 06/23/17 | 1005 | open | Summer operations |
| 09/18/17 | 1050 | closed | CDFW request to help reduce fall-run salmon straying |
| 09/22/17 | 1105 | open | Weekend operations |
| 09/25/17 | 1107 | closed | CDFW request to help reduce fall-run salmon straying |
| 09/29/17 | 1035 | open | Weekend operations |
| 10/02/17 | 1050 | closed | CDFW request to help reduce fall-run salmon straying |
| 10/06/17 | 1035 | open | Weekend operations |
| 10/09/17 | 1050 | closed | CDFW request to help reduce fall-run salmon straying |
| 10/13/17 | 1050 | open | Weekend operations |
| 10/16/17 | 1054 | closed | CDFW request to help reduce fall-run salmon straying |
| 10/20/17 | 1045 | open | Weekend operations |
| 10/23/17 | 1047 | closed | CDFW request to help reduce fall-run salmon straying |
| 10/27/17 | 1040 | open | Weekend operations |
| 10/30/17 | 1048 | closed | CDFW request to help reduce fall-run salmon straying |
| 11/03/17 | 1005 | open | Weekend operations |
| 11/06/17 | 1010 | closed | CDFW request to help reduce fall-run salmon straying |
| 11/10/17 | 0950 | open | Weekend operations |

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| DATE | TIME | ACTION | REMARKS |
|-----------------------|-------------|---------------|--|
| 2017 Continued | | | |
| 11/13/17 | 1030 | closed | CDFW request to help reduce fall-run salmon straying |
| 11/17/17 | 1000 | open | |
| 11/24/17 | 1059 | closed | NMFS BO Action IV.1.2 KLCI and SCI triggered. |

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| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 2016 | | | |
| 05/27/16 | 1010 | open | Weekend operations for the Memorial Day Holiday |
| 05/31/16 | 1315 | closed | - |
| 06/03/16 | 0936 | open | Weekend operations |
| 06/06/16 | 1320 | closed | - |
| 06/10/16 | 0908 | open | Weekend operations |
| 06/13/16 | 1300 | closed | - |
| 06/18/16 | 0815 | open | Summer operations |
| 11/06/16 | 1010 | closed | Knight's Landing Catch Index Triggered |
| 11/09/16 | 1046 | open | RPA Action IV.1.2 has been satisfied |
| 11/12/16 | 0950 | closed | NMFS RPA triggered |
| 11/15/16 | 1003 | open | RPA Action IV.1.2 has been satisfied |
| 11/25/16 | 0951 | closed | RPA Action IV.1.2 Sacramento Catch Index (SCI) triggered |
| 11/29/16 | 1350 | open | RPA actions have been satisfied |
| 12/01/16 | 0920 | closed | RPA action IV.1.2 (Dec 1) |

**BUREAU OF RECLAMATION
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| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---------------------------------|
| 2015 | | | |
| 05/14/15 | 1015 | open | Delta Salinity |
| 05/18/15 | 0952 | closed | - |
| 05/22/15 | 0948 | open | Memorial Day weekend operations |
| 05/26/15 | 0950 | closed | - |
| 05/29/15 | 0915 | open | Weekend Operations |
| 06/01/15 | 1004 | closed | - |
| 06/05/15 | 1000 | open | Weekend Operations |
| 06/08/15 | 1000 | closed | - |
| 06/13/15 | 0900 | open | Weekend Operations |
| 06/15/15 | 0954 | closed | - |
| 06/16/15 | 0958 | open | - |
| 06/23/15 | 1005 | closed | Delta Salinity |
| 06/26/15 | 1215 | open | - |
| 07/20/15 | 1051 | closed | Delta Salinity |
| 07/24/15 | 1232 | open | Delta Salinity |
| 08/04/15 | 0940 | closed | Delta Salinity |
| 08/07/15 | 1300 | open | - |
| 08/11/15 | 0950 | closed | Delta Salinity |
| 08/14/15 | 1220 | open | - |
| 10/29/15 | 1245 | closed | Delta Salinity |

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| DATE | TIME | ACTION | REMARKS |
|-----------------------|-------------|---------------|--|
| 2015 Continued | | | |
| 10/30/15 | 1145 | open | - |
| 11/12/15 | 1000 | closed | Rio Vista Flow standard |
| 11/13/15 | 0950 | open | - |
| 11/18/15 | 1013 | closed | Rio Vista Flow standard |
| 11/20/15 | 1001 | open | - |
| 12/01/15 | 1300 | closed | NMFS Biological Opinion section IV.1.2, December 1-14 criteria |
| 12/04/15 | 1505 | open | Delta Salinity |
| 12/15/15 | 1025 | closed | NMFS Biological Opinion Sec IV.1.2 |

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| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 2014 | | | |
| 02/01/14 | 1019 | open | Delta Salinity |
| 02/10/14 | 0958 | closed | Fishery concerns |
| 05/23/14 | 1017 | open | Open for Memorial Day Weekend recreational activities. |
| 05/27/14 | 1055 | closed | - |
| 06/06/14 | 1020 | open | Weekend recreational activities. |
| 06/09/14 | 1055 | closed | - |
| 06/13/14 | 0958 | open | - |
| 10/28/14 | 0956 | closed | Rio Vista flow standard. |
| 10/30/14 | 1000 | open | - |
| 11/02/14 | 1001 | closed | Fishery protection |
| 11/07/14 | 0955 | open | - |
| 12/01/14 | 0955 | closed | Fish protection per National Marine Fisheries Service Biological Opinion (Action IV..1.2). |

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|-------------|-------------|---------------|--|
| 2013 | | | |
| 05/24/13 | 0957 | open | Open for Memorial Day Weekend recreational activities. |
| 05/28/13 | 1050 | closed | - |
| 05/31/13 | 1530 | open | Weekend recreational activities. |
| 06/03/13 | 1105 | closed | - |
| 06/07/13 | 0932 | open | Weekend recreational activities. |
| 06/10/13 | 1045 | closed | - |
| 06/14/13 | 1018 | open | - |
| 10/08/13 | 1608 | closed | Rio Vista flow standard |
| 10/10/13 | 1505 | open | - |
| 10/17/13 | 0926 | closed | Rio Vista flow standard |
| 10/18/13 | 1500 | open | - |
| 10/21/13 | 0945 | closed | Rio Vista flow standard |
| 10/31/13 | 1015 | open | - |
| 11/04/13 | 1000 | closed | Rio Vista flow standard |
| 11/08/13 | 1000 | open | - |
| 11/12/13 | 1015 | closed | Rio Vista flow standard |
| 11/15/13 | 0845 | open | - |
| 11/18/13 | 0953 | closed | Rio Vista flow standard |
| 11/22/13 | 1246 | open | - |
| 11/25/13 | 1005 | closed | Rio Vista flow standard |

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| DATE | TIME | ACTION | REMARKS |
|-----------------------|-------------|---------------|---|
| 2013 Continued | | | |
| 11/27/13 | 1021 | open | - |
| 12/01/13 | 1120 | closed | Fish Protection (NMFS BO Action IV.1.2) |

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|-------------|-------------|---------------|---|
| 2012 | | | |
| 05/25/12 | 1115 | open | Open for weekend recreational activities. |
| 05/29/12 | 1000 | close | Cancelled - Unable to close gate #1 due to mechanical problem, Gate #2 was closed and then reopened for safety reasons. |
| 06/01/12 | 1700 | close | - |
| 06/21/12 | 1300 | open | - |
| 11/27/12 | 1015 | closed | Fish Protection per NMFS BO (Action IV.1.2) |

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DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---|
| 2011 | | | |
| 07/15/11 | 0955 | open | - |
| 10/04/11 | 1024 | closed | Mokelumne River Salmon fish attraction |
| 10/14/11 | 1116 | open | - |
| 12/01/11 | 0919 | closed | Fish Protection (NMFS BO Action IV.1.2) |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 2010 | | | |
| 05/28/10 | 1005 | open | Open for weekend recreation activities |
| 06/01/10 | 1001 | closed | - |
| 06/04/10 | 0955 | open | Open for weekend recreation activities |
| 06/07/10 | 1004 | closed | High flows at Freeport |
| 06/18/10 | 1104 | open | Remain open until further notice |
| 10/13/10 | 1154 | closed | - |
| 10/15/10 | 1205 | open | - |
| 11/01/10 | 1024 | closed | - |
| 11/04/10 | 1000 | open | Fish Protection |
| 12/01/10 | 1020 | closed | - |

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| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 2009 | | | |
| 05/22/09 | 1000 | open | Open for Memorial weekend recreation activities. |
| 05/26/09 | 1130 | closed | - |
| 05/29/09 | 1024 | open | Open for weekend recreation activities. |
| 06/01/09 | 0957 | close | - |
| 06/05/09 | 1025 | open | Open for weekend recreation activities. |
| 06/08/09 | 1024 | close | - |
| 06/12/09 | 1004 | open | Open for weekend recreation activities. |
| 06/15/09 | 0946 | close | - |
| 06/16/09 | 1037 | open | - |
| 10/23/09 | 1026 | close | Required by NOAA Fisheries. |
| 10/27/09 | 1000 | open | Opening permitted by NOAA Biological Opinion. |
| 11/06/09 | 0954 | closed | Rio Vista Standard |
| 11/07/09 | 0947 | open | - |
| 11/12/09 | 0959 | closed | Rio Vista Standard |
| 11/13/09 | 0956 | open | - |
| 11/19/09 | 1000 | closed | D-1641 Rio Vista Standard |
| 11/25/09 | 1016 | open | - |
| 11/30/09 | 1015 | closed | D-1641 Rio Vista Standard |
| 12/01/09 | 0954 | open | - |
| 12/06/09 | 0955 | closed | D-1641 Rio Vista Standard |
| 12/07/09 | 1002 | open | - |

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| DATE | TIME | ACTION | REMARKS |
|-----------------------|-------------|---------------|-----------------|
| 2009 Continued | | | |
| 12/15/09 | 0958 | closed | Fish Protection |

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DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|--------------|----------------|---|
| 2008 | | | |
| 05/23/08 | 1058 | open | Opening or Memorial Day weekend recreation activities. |
| 05/27/08 | 1054 | closed | - |
| 05/30/08 | 1024 | open | Opening for weekend recreation activities. |
| 06/02/08 | 1024 | closed | - |
| 06/06/08 | 1025 | open | Opening for weekend recreation activities. |
| 06/09/08 | 1024 | closed | - |
| 06/13/08 | 1024 | open | - |
| 11/10/08 | 0820 | closed | Begin fish, hydrodynamics and water quality experiment requested by DWR and USGS. |
| 11/12/08 | 0800 1634 | open closed | - |
| 11/13/08 | 0800 1555 | open closed | - |
| 11/14/08 | 0811 1555 | open closed | - |
| 11/15/08 | 0800 1554 | open closed | - |
| 11/16/08 | 0818 1554 | open closed | - |
| 11/17/08 | 0815 1633 | open closed | - |
| 11/18/08 | 0817 1551 | open closed | - |
| 11/19/08 | 0825 1550 | open closed | Continued fish, hydrodynamics and water quality experiment requested by DWR and USGS. |

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| DATE | TIME | ACTION | REMARKS |
|-----------------------|--------------|----------------|---|
| 2008 Continued | | | |
| 11/20/08 | 0805 1540 | open closed | Continued fish, hydrodynamics and water quality experiment requested by DWR and USGS. |
| 11/21/08 | 0820 1541 | open closed | - |
| 11/22/08 | 0821 1619 | open closed | - |
| 11/23/08 | 0824 1548 | open closed | - |
| 11/24/08 | 0825 1547 | open closed | - |
| 11/25/08 | 0824 1547 | open closed | - |
| 11/26/08 | 0825 | open | Suspend experiment due to Water Quality |
| 12/13/08 | 1540 | closed | Begin fish, hydrodynamics and water quality experiment requested by DWR and USGS. |
| 12/14/08 | 0825 1546 | open closed | - |
| 12/15/08 | 0825 1544 | open closed | - |
| 12/16/08 | 0840 1544 | open closed | - |
| 12/17/08 | 0842 1547 | open closed | - |
| 12/18/08 | 0850 1549 | open closed | - |
| 12/19/08 | 0843 1550 | open closed | Continued fish, hydrodynamics and water quality experiment requested by DWR and USGS. |

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| 2008 Continued | | | |
| 12/20/08 | 0844 1548 | open closed | Continued fish, hydrodynamics and water quality experiment requested by DWR and USGS. |
| 12/21/08 | 0844 1548 | open closed | - |
| 12/22/08 | 0844 1549 | open closed | Suspend experiment due to fishery concerns. |

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| 2007 | | | |
| 05/25/07 | 0949 | open | - |
| 05/30/07 | 1240 | closed | Decreasing water quality at Emmaton. |
| 06/02/07 | 0825 | open | - |
| 06/05/07 | 1045 | closed | To improve water quality at Emmaton. |
| 06/09/07 | 0830 | open | - |
| 06/11/07 | 0830 | closed | To comply with SWRCB Standards. |
| 06/16/07 | 0855 | open | - |
| 12/14/07 | 1138 | closed | Requested by Fishery Agencies. |

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| 2006 | | | |
| 06/30/06 | 1003 | open | - |
| 10/30/06 | 1030 1230 | closed open | Testing and adjustment after contract work completed |
| 12/15/06 | 0952 | closed | Flows forcasted to get above 25,000 cfs. |

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| 2005 | | | |
| 06/25/05 | 0914 | open | - |
| 11/16/05 | 0825 | closed | DAT recommendation for Winter Run Protection |
| 11/20/05 | 0830 | open | - |
| 12/03/05 | 0823 | closed | Fishery Protection |

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| 2004 | | | |
| 05/28/04 | 1032 | open | - |
| 06/01/04 | 1032 | closed | Gate 2 fully closed at 1229 due to operational problems. |
| 06/03/04 | 1141 | open | Gate 2 fully opened at 1250 due to operational problems. |
| 12/05/04 | 1215 | closed | Fishery Experiment |
| 12/28/04 | 1127 | open | Water Quality, before substantial increase flows at Freeport. |
| 12/29/04 | 1723 | closed | - |

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| 2003 | | | |
| 05/30/03 | 1625 | open | High flows - open for weekend and closed again on Monday. |
| 06/02/03 | 0824 | closed | - |
| 06/06/03 | 1112 | open | Gates open on weekends until flow drops below 25,000 cfs |
| 06/09/03 | 0908 | closed | High flows |
| 06/12/03 | 0925 | open | - |
| 12/01/03 | 1024 | closed | Fishery Protection |

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| 2002 | | | |
| 05/24/02 | 1024 | open | - |
| 05/28/02 | 1024 | close | - |
| 05/31/02 | 1025 | open | Begin Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 06/03/02 | 2017 | close | - |
| 06/04/02 | 0529 2026 | open close | - |
| 06/05/02 | 0526 2024 | open close | - |
| 06/06/02 | 0525 2027 | open close | - |
| 06/07/02 | 0528 | open | - |
| 06/09/02 | 2324 | close | - |
| 06/10/02 | 0727 2325 | open close | - |
| 06/11/02 | 0729 2325 | open close | - |
| 06/12/02 | 0727 2325 | open close | - |
| 06/13/02 | 0728 2325 | open close | - |
| 06/14/02 | 0724 | open | End Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |

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| 2002 Continued | | | |
| 10/16/02 | 0835 | closed | Fish study |
| 10/19/02 | 0825 | open | End of fish study. Gate #2 fell closed from full open position at 0830. #2 Gate (south) remains closed until repairs complete. |
| 11/12/02 | 0815 1730 | closed open | To complete maintenance and repairs. Maintenance and repairs complete. |
| 12/03/02 | 1010 | closed | Fishery Agencies Request. |
| 12/10/02 | 1355 | open | Fishery Agencies Request Complete. |
| 12/16/02 | 1124 | closed | High Flows. |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|--------------|----------------|--|
| 2001 | | | |
| 01/14/01 | 1025 | closed | Fishery concerns |
| 01/23/01 | 1025 | open | - |
| 01/26/01 | 1025 | closed | - |
| 05/25/01 | 1215 | open | - |
| 05/29/01 | 0525 | closed | - |
| 06/09/01 | 0620 | open | - |
| 06/11/01 | 0620 | closed | - |
| 06/14/01 | 1350 | open | - |
| 08/10/01 | 1740 2352 | closed open | Begin Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 08/12/01 | 1909 | closed | - |
| 08/13/01 | 0110 | open | - |
| 08/14/01 | 2057 | closed | - |
| 08/15/01 | 0222 | open | - |
| 08/16/01 | 2221 | closed | - |
| 08/17/01 | 0354 | open | - |
| 08/19/01 | 0009 0539 | closed open | - |
| 08/21/01 | 0224 0725 | closed open | - |
| 08/23/01 | 0522 0925 | closed open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-----------------------|--------------|----------------|--|
| 2001 Continued | | | |
| 08/25/01 | 1721 | closed | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 08/26/01 | 0009 1902 | open closed | - |
| 08/27/01 | 0055 | open | End Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 10/08/01 | 0645 1225 | closed open | Begin Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 10/09/01 | 0739 1325 | closed open | - |
| 10/10/01 | 0824 1410 | closed open | - |
| 10/11/01 | 2024 | closed | - |
| 10/12/01 | 0125 2119 | open closed | - |
| 10/13/01 | 0235 2204 | open closed | - |
| 10/14/01 | 0335 2304 | open closed | - |
| 10/15/01 | 0425 | open | - |
| 10/16/01 | 0038 0514 | closed open | - |
| 10/17/01 | 0154 0615 | closed open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-----------------------|------------------------------|----------------------------------|--|
| 2001 Continued | | | |
| 10/18/01 | 0249 0820 | closed open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 10/19/01 | 0404 0920 | closed open | - |
| 10/20/01 | 0459 1030 1518 2035 | closed open closed open | - |
| 10/21/01 | 1605 2134 | closed open | - |
| 10/22/01 | 1700 2206 | closed open | - |
| 10/23/01 | 1735 | - | Gate was to close but operator missed the closure. |
| 10/24/01 | 1852 2359 | closed open | - |
| 10/25/01 | 2004 | close | - |
| 10/26/01 | 0054 2030 | open close | - |
| 10/27/01 | 0139 | open | End Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 11/21/01 | 1024 | closed | Fish concerns |
| 11/29/01 | 1426 | open | Delta water quality concern |
| 12/04/01 | 0931 | closed | Forcast high flow Sac River as well as fishery protection. Note: Gates could have been open on 12/11, but kept closed for fishery concerns. |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|------------------------------|----------------------------------|--|
| 2000 | | | |
| 01/16/00 | 1041 | closed | Monitoring of Spring Run sized Chinook salmon at lower Sacramento River sites. |
| 05/26/00 | 1025 | open | - |
| 06/05/00 | 1025 | closed | - |
| 06/09/00 | 1020 | open | - |
| 06/12/00 | 1025 | closed | - |
| 06/16/00 | 1030 | open | - |
| 09/28/00 | 0654 1325 1851 | closed open closed | Begin Gate study to determine how best to operate |
| 09/29/00 | 0206 0755 1410 1941 | open closed open closed | - |
| 09/30/00 | 0308 0902 1449 2009 | open closed open closed | - |
| 10/01/00 | 0416 0950 1545 2054 | open closed open closed | - |
| 10/02/00 | 0511 1025 1540 2140 | open closed open closed | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-----------------------|-------------|---------------|--|
| 2000 Continued | | | |
| 10/03/00 | 0616 | open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| | 1155 | closed | |
| | 1510 | open | |
| | 2224 | closed | |
| 10/04/00 | 0715 | open | - |
| | 1240 | closed | |
| | 1804 | open | |
| | 2209 | closed | |
| 10/05/00 | 0755 | open | - |
| | 1325 | closed | |
| | 1854 | open | |
| 10/06/00 | 0011 | closed | - |
| | 0840 | open | |
| | 1410 | closed | |
| | 1937 | open | |
| 10/07/00 | 0055 | closed | - |
| | 0926 | open | |
| | 1454 | closed | |
| | 2040 | open | |
| 10/08/00 | 0154 | closed | - |
| | 0956 | open | |
| | 1538 | closed | |
| | 2123 | open | |
| 10/09/00 | 0250 | closed | - |
| | 1025 | open | |
| | 1610 | closed | |
| | 2220 | open | |
| 10/10/00 | 0351 | closed | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| | 1110 | open | |
| | 1640 | closed | |
| | 2310 | open | |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-----------------------|-------------|---------------|--|
| 2000 Continued | | | |
| 10/11/00 | 0440 | closed | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| | 1155 | open | |
| | 1710 | closed | |
| 10/12/00 | 0010 | open | - |
| | 0539 | closed | |
| | 1225 | open | |
| | 1755 | closed | |
| 10/13/00 | 0058 | open | - |
| | 0640 | closed | |
| | 1240 | open | |
| | 1824 | closed | |
| 10/14/00 | 0155 | open | - |
| | 0754 | closed | |
| | 1324 | open | |
| | 1854 | closed | |
| 10/15/00 | 0304 | open | - |
| | 0902 | closed | |
| | 1410 | open | |
| | 1939 | closed | |
| 10/16/00 | 0354 | open | - |
| | 0925 | closed | |
| | 1455 | open | |
| | 2024 | closed | |
| 10/17/00 | 0454 | open | - |
| | 1025 | closed | |
| | 1540 | open | |
| | 2124 | closed | |
| 10/18/00 | 0555 | open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| | 1125 | closed | |
| | 1640 | open | |
| | 2212 | closed | |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-----------------------|-------------|---------------|--|
| 2000 Continued | | | |
| 10/19/00 | 0638 | open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| | 1210 | closed | |
| | 1745 | open | |
| | 2309 | closed | |
| 10/20/00 | 0740 | open | - |
| | 1255 | closed | |
| 10/21/00 | 0821 | open | - |
| | 1454 | closed | |
| 10/22/00 | 0909 | open | - |
| | 1438 | closed | |
| 10/23/00 | 0955 | open | - |
| | 1525 | closed | |
| 10/24/00 | 1015 | open | - |
| | 1610 | closed | |
| 10/25/00 | 1125 | open | - |
| | 1655 | closed | |
| 10/26/00 | 1155 | open | - |
| | 1725 | closed | |
| 10/27/00 | 1240 | open | - |
| | 1810 | closed | |
| 10/29/00 | 1310 | open | - |
| | 1840 | closed | |
| 10/30/00 | 1355 | open | - |
| | 1925 | closed | |
| 10/31/00 | 1440 | open | - |
| | 1955 | closed | |
| 11/01/00 | 1525 | open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| | 2040 | closed | |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-----------------------|--------------|----------------|--|
| 2000 Continued | | | |
| 11/02/00 | 1625 2125 | open closed | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 11/03/00 | 0610 1155 | open closed | - |
| 11/04/00 | 0655 1239 | open closed | - |
| 11/05/00 | 0724 1510 | open closed | - |
| 11/06/00 | 0810 1340 | open closed | - |
| 11/07/00 | 0840 1410 | open closed | - |
| 11/08/00 | 0925 | open | Opened until further notice. End of study. |
| 12/22/00 | 1025 | closed | - |
| 12/26/00 | 1425 | open | - |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---------------------|
| 1999 | | | |
| 05/28/99 | 0852 | open | - |
| 11/26/99 | 0824 | closed | Fishery protection |
| 12/14/99 | 0924 | open | Delta Water Quality |
| 12/14/99 | 1425 | closed | - |
| 12/15/99 | 0922 | open | - |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---|
| 1998 | | | |
| 07/17/98 | 0925 | open | - |
| 09/08/98 | 1225 | closed | Flows in Sacramento River above 25,000 cfs. |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 1997 | | | |
| 05/16/97 | 1900 | open | - |
| 05/21/97 | 1120 | closed | - |
| 05/23/97 | 1325 | open | - |
| 05/28/97 | 0925 | closed | - |
| 05/30/97 | 1325 | open | - |
| 06/12/97 | 0925 | closed | - |
| 06/16/97 | 0955 | open | - |
| 07/01/97 | 0725 | closed | - |
| 07/03/97 | 1225 | open | - |
| 10/06/97 | 1555 | closed | Experiment to close the gates for a 2 week period to measure the rate of increase of salinity. |
| 10/15/97 | 0855 | open | - |
| 11/25/97 | 0624 | closed | - |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|----------------------------|
| 1996 | | | |
| 06/12/96 | 0900 | open | - |
| 11/12/96 | 1300 | closed | To avoid diversion of fish |
| 11/15/96 | 1300 | open | - |
| 11/20/96 | 1200 | closed | fish movement |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 1995 | | | |
| 01/04/95 | 1034 | closed | Request from fishery agencies for experiment on movement of salmon smolts. |
| 07/28/95 | 0700 | open | - |
| 09/19/95 | 1400 | closed | Flows in Sacramento river over 25,000 cfs. |
| 09/22/95 | 1100 | open | - |
| 12/11/95 | 0900 | closed | Forecasted weather next week with resultant increased flows and fish movement. |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---|
| 1994 | | | |
| 01/08/94 | 1041 | closed | ESA requirement |
| 05/27/94 | 1326 | open | Winter run salmon assumed to be out of system |
| 06/22/94 | 1420 | closed | Emmaton water quality |
| 06/24/94 | 1338 | open | - |
| 06/29/94 | 1335 | closed | To improve state Emmaton standard |
| 07/01/94 | 1502 | open | For 3-day weekend |
| 07/05/94 | 1424 | closed | To improve state Emmaton standard |
| 07/08/94 | 1335 | open | Emmaton standard improved |
| 07/26/94 | 1428 | closed | To improve state Emmaton standard |
| 07/29/94 | 1325 | open | - |
| 11/11/94 | 1240 | closed | Winter run out migration |
| 11/14/94 | 1805 | open | - |
| 12/08/94 | 1029 | closed | Winter run movement - NMFS request to close |
| 12/14/94 | 1625 | open | - |
| 12/16/94 | 0835 | closed | - |
| 12/19/94 | 1354 | open | - |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 1993 | | | |
| 01/03/93 | 1125 | closed | High flows in Sac river/ESA requirements |
| 05/29/93 | 1755 | open | Lower flows |
| 06/01/93 | 1436 | closed | High flow in Sacramento river |
| 06/18/93 | 1001 | open | High flows receding |
| 10/29/93 | 0938 | closed | State Emmaton standard |
| 11/01/93 | 0930 | open | State Emmaton standard improved |
| 11/02/93 | 1101 | closed | State Emmaton standard |
| 11/07/93 | 0940 | open | State Emmaton standard improved |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------------|---|
| 1992 | | | |
| 02/03/92 | 1025 | closed | Out-migration of juvenile winter-run salmon |
| 05/01/92 | 0932 | open | Out-migration complete |
| 05/15/92 | 0900 | closed | To help meet D-1485 Rio Vista flow requirements |
| 05/22/92 | 1000 | open | Rio Vista flows o.k. |
| 05/26/92 | 0924 | closed | Emmaton water quality |
| 05/29/92 | 1649 | open | Emmaton improved |
| 06/01/92 | 0920 | closed | Emmaton water quality |
| 06/03/92 | 0908 | partially opened | Opened to water surface for gate inspection |
| 06/03/92 | 1427 | closed | Inspection completed |
| 06/08/92 | 1520 | open | Emmaton improved |
| 12/12/92 | 1125 | closed | High flow in Sacramento river |
| 12/14/92 | 1755 | open | Flows lower |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|-----------------------|
| 1991 | | | |
| 03/05/91 | 1425 | closed | Outflow above 12,000 |
| 03/11/91 | 1025 | open | Outflow below 12,000 |
| 03/14/91 | 1600 | closed | Outflow above 12,000 |
| 04/04/91 | 1055 | open | Outflow below 12,000 |
| 05/02/91 | 1245 | closed | Fish flush |
| 05/03/91 | 1435 | open | - |
| 05/16/91 | 1440 | closed | Emmaton water quality |
| 05/18/91 | 0625 | open | Emmaton improved |
| 05/20/91 | 1424 | closed | Emmaton water quality |
| 05/25/91 | 0625 | open | Emmaton improved |
| 05/30/91 | 1125 | closed | Emmaton water quality |
| 06/01/91 | 0625 | open | Emmaton improved |
| 06/03/91 | 1337 | closed | Emmaton water quality |
| 06/07/91 | 0845 | open | Emmaton improved |
| 06/10/91 | 1024 | closed | Emmaton water quality |
| 06/13/91 | 0825 | open | Emmaton improved |
| 06/27/91 | 1455 | closed | Emmaton water quality |
| 06/29/91 | 0625 | open | Emmaton improved |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|------------------|--------------------------|
| 1990 | | | |
| 01/11/90 | 0945 | closed | Outflow above 12,000 cfs |
| 01/22/90 | 1425 | open | Outflow below 12,000 |
| 04/25/90 | 1424 | gate 2 closed | Flow study by dwr |
| 04/26/90 | 1540 | open | Flow study complete |
| 05/15/90 | 0924 | closed | Emmaton water quality |
| 05/16/90 | 1325 | open | Emmaton improved |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|--------------|----------------|---|
| 1989 | | | |
| 02/19/89 | 1228 1357 | closed open | Requested by Sheriff's office so they could search for a body -- none found |
| 03/06/89 | 0925 | closed | Outflow exceeds 12,000 cfs |
| 04/13/89 | 1507 | open | Outflow below 12,000 cfs |
| 05/08/89 | 1226 | closed | Emmaton quality not good |
| 05/10/89 | 0825 | open | Emmaton quality improving |
| 05/12/89 | 1425 | closed | Fish flush - fish have reached delta |
| 05/17/89 | 1022 | open | Coleman fish flush concluded |
| 06/05/89 | 1325 | closed | Emmaton water quality |
| 06/07/89 | 0825 | open | Emmaton quality improving |
| 06/08/89 | 1454 | closed | Emmaton water quality |
| 06/10/89 | 0655 | open | Emmaton quality improving |
| 06/19/89 | 1025 | closed | Emmaton water quality |
| 06/21/89 | 1425 | open | Emmaton quality improving |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|------------------------------|
| 1988 | | | |
| 01/05/88 | 0825 | closed | Outflow requirement |
| 01/27/88 | 1340 | open | Outflow below 12,000 |
| 05/03/88 | 0732 | closed | Fish test |
| 05/06/88 | 0746 | open | Fish test |
| 05/13/88 | 1325 | closed | Fish flush |
| 05/20/88 | 1525 | open | - |
| 05/31/88 | 0754 | closed | Fish test |
| 05/31/88 | 1435 | open | Fest postponed until 6/13/88 |
| 06/21/88 | 0740 | closed | Fish test |
| 06/24/88 | 0725 | open | Fish test |
| 11/25/88 | 1254 | closed | High outflow |
| 11/27/88 | 0743 | open | - |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---|
| 1987 | | | |
| 02/27/87 | 0725 | open | Outflow below 12,000 cfs |
| 03/06/87 | 0940 | closed | Outflow over 12,000 cfs |
| 04/01/87 | 0825 | open | Outflow below 12,000 and to equalize water Quality between emmaton and jersey point |
| 04/28/87 | 0755 | closed | Fish testing |
| 05/01/87 | 0755 | open | - |
| 05/17/87 | 0725 | closed | Fish flush |
| 05/23/87 | 0725 | open | - |
| 10/01/87 | 1535 | closed | Emmaton water quality (dwr request) |
| 10/04/87 | 0925 | open | Emmaton o.k. |
| 10/08/87 | 1122 | closed | Emmaton water quality (dwr request) |
| 10/10/87 | 0630 | open | Emmaton o.k. |
| 10/27/87 | 1115 | closed | Emmaton water quality (dwr request) |
| 10/30/87 | 0735 | open | Emmaton water quality o.k. |
| 11/02/87 | 1455 | closed | Emmaton water quality (dwr request) |
| 11/05/87 | 1525 | open | Emmaton o.k. |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 1986 | | | |
| 01/17/86 | 1300 | closed | D-1485 - delta outflow > 12,000 expected |
| 05/22/86 | 1300 | open | Open for weekend |
| 09/23/86 | 1425 | closed | High water |
| 10/09/86 | 1355 | open | Open for boaters convenience |
| 12/05/86 | 1435 | closed | Emmaton water quality (request of dwr) |
| 12/10/86 | 1025 | open | - |
| 12/30/86 | 1425 | closed | Outflow 12,000 cfs |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---|
| 1985 | | | |
| 03/15/85 | 1425 | open | - |
| 05/07/85 | 1035 | closed | Delta water quality |
| 05/09/85 | 1043 | open | Fish testing |
| 05/29/85 | 1002 | closed | Emmaton water quality |
| 05/31/85 | 1355 | open | Jersey water quality |
| 06/03/85 | 0925 | closed | Emmaton water quality |
| 06/06/85 | 1040 | open | Jersey water quality - emmaton o.k. |
| 06/12/85 | 0923 | closed | Emmaton water quality |
| 06/14/85 | 1324 | open | Emmaton o.k. |
| 10/17/85 | 0909 | closed | Emmaton water quality |
| 10/19/85 | 1135 | open | Emmaton water quality o.k. |
| 10/23/85 | 1425 | closed | Emmaton water quality insurance |
| 10/25/85 | 1400 | open | 48 hours duration of closure |
| 11/07/85 | 1425 | closed | Emmaton water quality (request of DWR) |
| 11/08/85 | 1425 | open | 24-hour closure - open for weekend |
| 11/12/85 | 1220 | closed | Emmaton water quality (request of dwr) |
| 11/15/85 | 1423 | open | Open for weekend |
| 11/30/85 | 1130 | closed | High water |
| 12/06/85 | 1230 | open | Contra Costa water quality - river still high but |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---------------------------|
| 1984 | | | |
| 04/20/84 | 1005 | open | - |
| 05/08/84 | 1149 | closed | Closure for fish testing. |
| 05/11/84 | 1057 | open | - |
| 05/14/84 | 1022 | closed | - |
| 05/17/84 | 1025 | open | - |
| 05/21/84 | 0940 | closed | - |
| 05/24/84 | 1015 | open | - |
| 11/13/84 | 0954 | closed | - |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|----------------|
| 1983 | | | |
| 07/22/83 | 0936 | open | - |
| 11/13/83 | 1435 | closed | - |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 1982 | | | |
| 06/11/82 | 1225 | open | Problems with gate #2. Gate #2 opened at 1610 hours. |
| 06/14/82 | 1005 | closed | - |
| 06/18/82 | 1226 | open | - |
| 06/21/82 | 0945 | closed | - |
| 06/25/82 | 1221 | open | - |
| 11/16/82 | 1025 | closed | - |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|----------------|
| 1981 | | | |
| 01/23/81 | 1050 | closed | - |
| 04/15/81 | 1032 | open | - |
| 05/05/81 | 1446 | closed | - |
| 05/12/81 | 1130 | open | - |
| 11/14/81 | 1119 | closed | - |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---------------------------------|
| 1980 | | | |
| 10/21/80 | 1000 | closed | Only the south gate was closed. |
| 10/23/80 | 1125 | open | - |
| 10/28/80 | 1025 | closed | - |
| 11/20/80 | 1000 | open | - |