

April 1, 2010 Default Flow Schedule

San Joaquin River Restoration Program

Transmittal to the Restoration Administrator

The following pages describe the annual allocation and transmittal of a default flow schedule to the Restoration Administrator for the San Joaquin River Restoration Program consistent with the Draft Restoration Flow Guidelines dated January 20, 2010 and channel capacity constraints. Calculations are computed first according to full Restoration Flows and then adjusted for capacity constraints during the Interim Flow Period. The allocation of SJRRP water follows the following process:

1. Releases to Date: identification of flow volume released for the purposes of the SJRRP for the contract year beginning March 1st including measured rates and estimated future releases.
2. Total Annual Allocation: total volume of water available for the SJRRP based on the unimpaired inflow forecast.
3. Remaining Annual Allocation: remaining volume of water available for release equal to the total annual allocation minus the amount used.
4. Default Flow Schedule: distribution of the remaining allocation throughout the remainder of the contract year.

Reclamation provides the Restoration Administrator with a default flow schedule. The Restoration Administrator is requested to return a flow schedule recommendation showing the use of the entire Annual Allocation during the upcoming Restoration Year, and categorize all recommended flows by account (e.g., shifts in the Default Flow Schedule, Buffer Flow releases).

Releases to Date

Releases to date include recorded measurements, estimated flows, and anticipated future conditions. Recorded measurements show the QA/QC record of mean daily flow rates. Estimated flows provide the provisional data and include more recent results. Anticipated future flows develop projections based on the most recent flow schedule. When Gravelly Ford targets control releases, the flow accounting location is based on Gravelly Ford. When Friant Dam minimums control the release (Gravelly Ford exceeds targets), accounting uses an assumed Gravelly Ford flow for the purpose of determining a release for the SJRRP. Table 1 shows the accounting of flows.

Table 1 – Summary of SJRRP Release Accounting

Accounting	Acre-Feet
Total Friant Dam Releases	40,175
- Reach 1 Losses	-4,921
Total Gravelly Ford Flows	35,254
- Other Inflows at Gravelly Ford	-2,676
SJRRP Gravelly Ford Target	32,579
- Baseline at Gravelly Ford	-307
Releases for the SJRRP	32,271

Total Annual Allocation

The allocation of flows to the SJRRP uses Method 3.1 as documented in the Restoration Flow Guidelines Draft dated January 20, 2010. Table 2 shows the unimpaired inflow forecasts. Table 3 shows the total annual allocation at Gravelly Ford.

Table 2 – Forecast Unimpaired Inflow

Scenario	Forecast 90% (TAF)	Forecast 50% (TAF)	Forecast 10% (TAF)	Forecast Declared (TAF)
Feb. 01, 2010	990	1,620	2,510	990
Mar. 01, 2010	1,310	1,778	2,180	1,310
Apr. 01, 2010	1,490	1,870	2,450	1,490

Table 3 – Total Annual Allocation at Gravelly Ford

Accounting	Thousand Acre-Feet
Exhibit B Friant Dam Releases	406
Reach 1 Losses	-117
Exhibit B Gravelly Ford Target	289
Gravelly Ford Baseline	-4
Releases for the SJRRP	285

Remaining Annual Allocation

The volume of remaining allocation is computed from the flows already passed Gravelly Ford that are attributable to the SJRRP and the total annual allocation. Table 4 shows the results of the remaining allocation.

Table 4 – Remaining Annual Allocation

San Joaquin River Restoration Program April 1, 2010 Default Flow Schedule

Accounting	Thousand Acre-Feet
Exhibit B Gravelly Ford Target	289
Flow Passing Gravelly Ford	-33
Remaining SJRRP Gravelly Ford Target	256
Baseline Gravelly Ford Flows	-3.3
Remaining Releases for the SJRRP	253
Exhibit B Friant Dam Target	406
Flow Passing Gravelly Ford	-33
Remaining Friant Dam Releases	373

Default Flow Schedule

The default flow schedule is computed from the lookup tables reported in the Restoration Flow Guidelines Draft dated January 20, 2010. Table 5 shows the default flow schedule.

Table 5 – Default Flow Schedule

Scenario	Annual Allocation (TAF)	Remaining Allocation (TAF)	Schedule Start	Schedule End	Friant Default Schedule (cfs)	Gravelly Ford Default Schedule (cfs)	Gravelly Ford Capacity Limit (cfs)
Mar. 01, 2010 - Declared	381.5	381.5	Mar. 01, 2010	Mar. 15, 2010	500.00	375	1466
<i>Mar. 01, 2010 - Declared</i>	381.5	381.5	Mar. 16, 2010	Mar. 31, 2010	1500.00	1375	1466
Apr. 01, 2010 - Declared	405.9	373.0	Apr. 01, 2010	Apr. 15, 2010	2500.00	2355	1466
<i>Apr. 01, 2010 - Declared</i>	405.9	298.6	Apr. 16, 2010	Apr. 30, 2010	2710.28	2565	1466
<i>Apr. 01, 2010 - Declared</i>	405.9	218.0	May. 01, 2010	Jun. 30, 2010	350.00	165	1506
<i>Apr. 01, 2010 - Declared</i>	405.9	175.6	Jul. 01, 2010	Aug. 31, 2010	350.00	125	1506
<i>Apr. 01, 2010 - Declared</i>	405.9	132.6	Sep. 01, 2010	Sep. 30, 2010	350.00	145	1506
<i>Apr. 01, 2010 - Declared</i>	405.9	111.8	Oct. 01, 2010	Oct. 31, 2010	350.00	195	1466
<i>Apr. 01, 2010 - Declared</i>	405.9	90.2	Nov. 01, 2010	Nov. 06, 2010	700.00	575	1466
<i>Apr. 01, 2010 - Declared</i>	405.9	81.9	Nov. 07, 2010	Nov. 10, 2010	700.00	575	1466
<i>Apr. 01, 2010 - Declared</i>	405.9	76.4	Nov. 11, 2010	Dec. 31, 2010	350.00	235	1466
<i>Apr. 01, 2010 - Declared</i>	405.9	41.0	Jan. 01, 2011	Jan. 31, 2011	350.00	255	1466
<i>Apr. 01, 2010 - Declared</i>	405.9	19.4	Feb. 01, 2011	Feb. 28, 2011	350.00	255	1466

San Joaquin River Restoration Program April 1, 2010 Default Flow Schedule

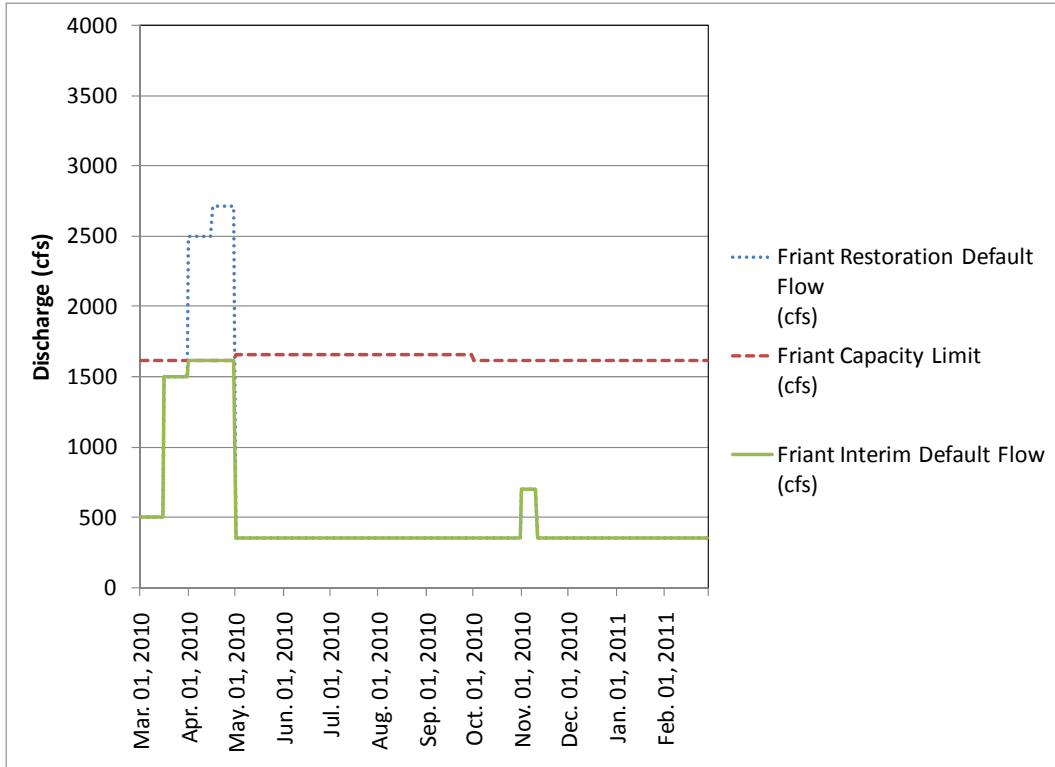


Figure 1 – Default Flow Schedule at Friant Dam

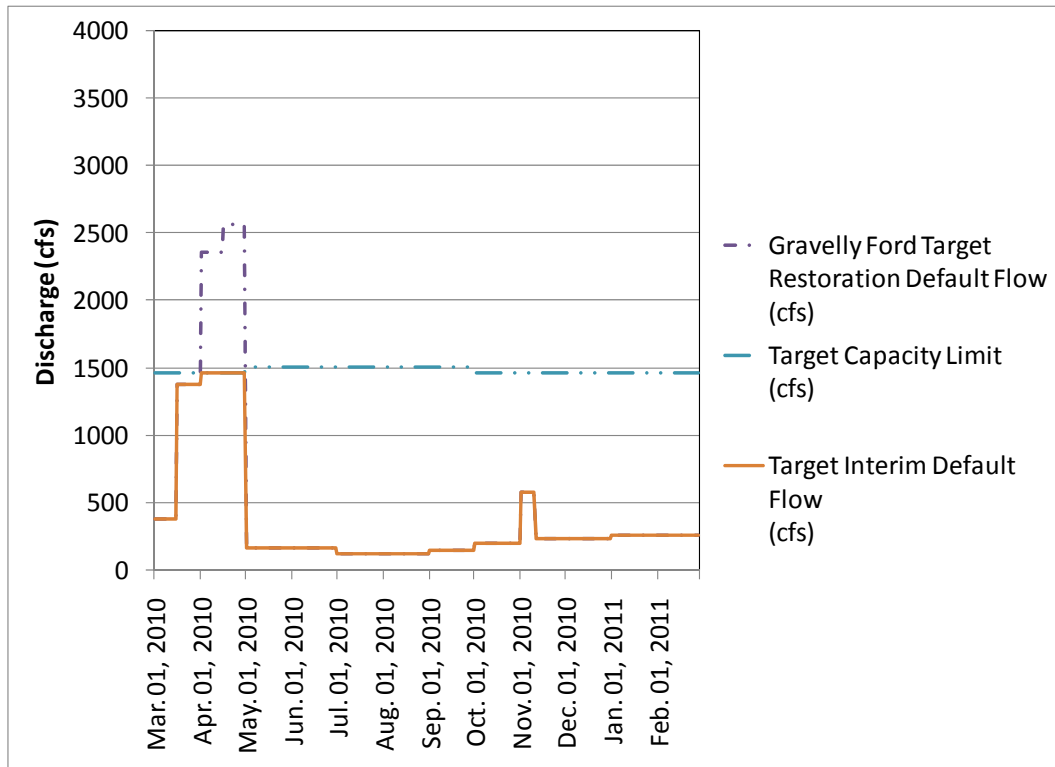


Figure 2 – Default Flow Schedule at Gravelly Ford