Table 3. Summary of simulation inputs to the predictive total phosphorus mass balance model of the Boise River, southwestern Idaho

[Abbreviations: RM, river mile; NC, no change from measured concentration; No., number; WWTP, wastewater treatment plant; TP, total phosphorus; red shade, no change from measured conditions; blue shade, intermediate goal for source reduction; green shade, long-term goal for source reduction.]

<table>
<thead>
<tr>
<th>Scenario No.</th>
<th>Point sources</th>
<th>Nonpoint sources</th>
<th>Unmeasured discharge (groundwater) downstream of RM 28.8</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 2 3 4 5 6 7 8 9 10 11 12</td>
<td>1 2 3 4 5 6 7 8 9 10 11 12</td>
<td>1 2 3 4 5 6 7 8 9 10 11 12</td>
</tr>
<tr>
<td>Point sources</td>
<td>0.30 0.07 NC NC 0.30 0.30 0.30 0.30 0.07 0.07 0.07 0.07</td>
<td>0.10 0.07 0.10 0.07 0.10 0.07 0.10 0.07 0.10 0.07 0.07 0.07</td>
<td>NC NC NC 0.15 0.15 0.07 0.07 0.15 0.15 0.07 0.07</td>
</tr>
<tr>
<td>Nonpoint sources</td>
<td>NC NC 0.10 NC NC NC NC</td>
<td>NC NC 0.10 NC NC NC NC</td>
<td>NC NC NC NC NC NC</td>
</tr>
</tbody>
</table>

**Point Sources**
- Boise City Sewer Outflow at Boise, ID (Lander WWTP)
- West Boise Sewer Outflow near Eagle, ID (West Boise WWTP)
- Middleton WWTP on Boise River near Middleton, ID
- Caldwell WWTP on Boise River at Caldwell, ID

**River Mile**
- Boise City Sewer Outflow at Boise, ID (Lander WWTP) 50.0
- West Boise Sewer Outflow near Eagle, ID (West Boise WWTP) 44.2
- Middleton WWTP on Boise River near Middleton, ID 27.1
- Caldwell WWTP on Boise River at Caldwell, ID 22.6

**Non-point Sources**
- Eagle Drain at Eagle, ID 42.7
- Dry Creek at Eagle, ID 42.5
- Thurman Drain at Mouth near Eagle, ID 41.9
- Eureka No. 1 Canal at Star Road near Star, ID 36.6
- Fifteenmile Creek at Mouth near Middleton, ID 30.3
- Mill Slough below Grade Ditch near Middleton, ID 27.2
- Willow Creek at Middleton, ID 27.0
- Mason Slough near Caldwell, ID 25.6
- Mason Creek near Caldwell, ID 25.0
- Hartley Drain near Caldwell, ID 24.4
- Indian Creek at Mouth near Caldwell, ID 22.4
- Conway Gulch at Notus, ID 14.2
- Unnamed Drain Near Notus, ID 12.3
- Unnamed Drain Near Dixie Drain near Notus, ID 10.9
- Dixie Drain near Wilder, ID 10.5

**Unaccounted-for discharge (groundwater)**
- Interpolate from 0.01 at RM 50.2 to input TP concentration at RM 28.8 50.2 to 28.8
- Constant TP concentration of 0.25 mg/L 28.8 to 3.8