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.]

	Total Phosphorus Concentration Inputs for Model Simulations, in milligrams per liter											
Senario No.	1	2	3	4	5	6	7	8	9	10	11	12
Point sources	0.30	0.07	NC	NC	0.30	0.30	0.30	0.30	0.07	0.07	0.07	0.07
Nonpoint sources	NC	NC	0.10	0.07	0.10	0.07	0.10	0.07	0.10	0.07	0.10	0.07
Unmeasured discharge (groundwater) downstream of RM 28.8	NC	NC	NC	NC	0.15	0.15	0.07	0.07	0.15	0.15	0.07	0.07

Point Sources	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	River Mile
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)	River Mile
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