

APPENDIX B

Proposed amendments to Sonoma County Water Agency's water-right Permits 12947A, 12949, 12950 and 16596 (Applications 12919A, 15736, 15737 and 19351)

Proposed changes to terms in Sonoma County Water Agency water right Permit 12947A

Amended Permit 12947A (Application 12919A), issued on August 30, 2006, shall be amended as follows:

1. Term 7 is deleted.

2. Term 8 is amended to read as follows:

Complete application of the water to the authorized use shall be made by December 31, 2040.

3. Term 20 is amended to read as follows:

For the protection of fish and wildlife, and for the maintenance of recreation in the Russian River, permittee shall pass through or release from storage at Lake Mendocino sufficient water to maintain:

(A) A continuous streamflow in the East Fork Russian River from Coyote Dam to its confluence with the Russian River of 25 cfs (cfs) at all times.

(B) The following minimum flows in the Russian River between the East Fork Russian River and Dry Creek:

(1) When Flow Schedule 1 applies:

From January 1 to December 31	105 cfs
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(2) When Flow Schedule 2 applies:

From May 1 through October 15	85 cfs
From October 16 through April 30	105 cfs

(3) When Flow Schedule 3 applies:

From May 1 through October 15	65 cfs
From October 16 through April 30	100 cfs

(4) When Flow Schedule 4 applies:

From May 1 through October 31	45 cfs
From November 1 through April 30	70 cfs

(5) When Flow Schedule 5 applies: 25 cfs

(C) The following minimum flows in the Russian River between its confluence with Dry Creek and the Pacific Ocean to the extent that such flows cannot be met by releases from storage at Lake Sonoma under Permit 16596 issued on Application 19351:

(1) When Flow Schedule 1, 2 or 3 applies:

70 cfs from May 1 through October 15

135 cfs from October 16 through April 30

(2) When Flow Schedule 4 applies:

50 cfs from May 1 through October 15
85 cfs from October 16 through April 30

(3) When Flow Schedule 5 applies: 35 cfs

(D) For the purposes of determining the applicable Flow Schedule number for each month, the following definitions and rules shall apply:

(1) To determine the appropriate Inflow Condition under the following paragraphs, the cumulative inflow into Lake Mendocino first must be calculated. Cumulative inflow into Lake Mendocino shall be calculated as the daily accumulation beginning on October 1 of the sum for each day of the releases from Lake Mendocino, increases in storage in Lake Mendocino and evaporation from Lake Mendocino that occurred on that day. Under certain circumstances, the calculation of cumulative inflow shall be adjusted on January 1, February 1 or March 1 of each year. Such adjustments shall be made if the calculated cumulative inflow into Lake Mendocino exceeds the Cumulative Inflow Limit value listed below for the applicable date:

January 1: 22,100 acre-feet
February 1: 37,500 acre-feet
March 1: 54,500 acre-feet

If any such exceedance occurs, then cumulative inflow into Lake Mendocino for that date that is used to determine the appropriate Inflow Condition number shall be set to equal for the Cumulative Inflow Limit value listed above for that date.

(2) Inflow Condition 2 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 3:

22,100 acre-feet as of January 1
37,500 acre-feet as of February 1
54,500 acre-feet as of March 1
64,100 acre-feet as of April 1
73,200 acre-feet as of May 1
80,600 acre-feet as of June 1
87,100 acre-feet as of July 1
93,500 acre-feet as of August 1
99,800 acre-feet as of September 1
105,000 acre-feet as of October 1

(3) Inflow Condition 3 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 4:

13,000 acre-feet as of January 1
24,900 acre-feet as of February 1
42,100 acre-feet as of March 1
56,400 acre-feet as of April 1

63,200 acre-feet as of May 1
70,200 acre-feet as of June 1
74,600 acre-feet as of July 1
79,400 acre-feet as of August 1
82,600 acre-feet as of September 1
86,700 acre-feet as of October 1

(4) Inflow Condition 4 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 5:

10,800 acre-feet as of January 1
18,000 acre-feet as of February 1
31,900 acre-feet as of March 1
50,200 acre-feet as of April 1
55,700 acre-feet as of May 1
62,200 acre-feet as of June 1
66,600 acre-feet as of July 1
70,700 acre-feet as of August 1
74,900 acre-feet as of September 1
78,600 acre-feet as of October 1

(5) Inflow Condition 5 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month:

10,500 acre-feet as of January 1
13,700 acre-feet as of February 1
19,500 acre-feet as of March 1
23,900 acre-feet as of April 1
32,700 acre-feet as of May 1
37,700 acre-feet as of June 1
40,000 acre-feet as of July 1
42,000 acre-feet as of August 1
44,000 acre-feet as of September 1
44,000 acre-feet as of October 1

(6) Inflow Condition 1 exists whenever Inflow Condition 2, 3, 4 or 5 does not exist.

(7) The Inflow Condition number shall be determined on the first day of each month from January through October. The Inflow Condition number for November and December shall be the same as the Inflow Condition number for the preceding October. (7) Cumulative inflow to Lake Mendocino is the calculated algebraic sum of releases from Lake Mendocino, increases in the storage in Lake Mendocino, and evaporation from Lake Mendocino.

(8) Storage Condition 2 exists when water in storage in Lake Mendocino is less than the following amount for the applicable month and greater than the applicable amount for Storage Condition 3:

78,900 acre-feet on June 1
76,100 acre-feet on July 1
70,400 acre-feet on August 1
64,600 acre-feet on September 1

58,500 acre-feet on November 1
54,500 acre-feet on October 1
54,400 acre-feet on December 1

(9) Storage Condition 3 exists when water in storage in Lake Mendocino is less than the following amount for the applicable month and greater than the applicable amount for Storage Condition 4:

73,500 acre-feet on June 1
70,700 acre-feet on July 1
65,100 acre-feet on August 1
60,200 acre-feet on September 1
54,200 acre-feet on October 1
50,000 acre-feet on November 1
51,550 acre-feet on December 1

(10) Storage Condition 4 exists when water in storage in Lake Mendocino is less than the following amount for the applicable month and greater than the applicable amount for Storage Condition 5:

70,000 acre-feet on June 1
66,800 acre-feet on July 1
61,200 acre-feet on August 1
55,500 acre-feet on September 1
49,100 acre-feet on October 1
45,700 acre-feet on November 1
45,600 acre-feet on December 1

(11) Storage Condition 5 exists when water in storage in Lake Mendocino is less than the following amount for the applicable month:

67,100 acre-feet on June 1
62,800 acre-feet on July 1
57,000 acre-feet on August 1
50,600 acre-feet on September 1
45,700 acre-feet on October 1
40,800 acre-feet on November 1
41,700 acre-feet on December 1

(12) Storage Condition 1 exists whenever Storage Condition 2, 3, 4 or 5 does not exist.

(13) Water in Lake Mendocino storage is the calculated total volume of water in storage below elevation 749.0 feet in Lake Mendocino, including dead storage. This elevation refers to the National Geodetic Vertical Datum of 1929. The calculation of the amount of water in Lake Mendocino storage shall use the most recent reservoir volume survey made by the U. S. Geological Survey, U. S. Army Corps of Engineers, or other responsible agency.

(14) The Storage Condition number for each month during January through May shall be the same as the Inflow Condition number for the same month and that number shall be used to set the applicable Flow Schedule number.

(15) The Storage Condition number for June through December shall be determined on the first day of each of those months.

(16) For June through September, if the Storage Condition number is greater than the Inflow Condition number for the same month, then the applicable Flow Schedule number shall be set equal to the Inflow Condition number plus one; otherwise, the applicable Flow Schedule number shall be set equal to the Inflow Condition number.

(17) For October through December, if the Storage Condition number is greater than Inflow Condition number, then the applicable Flow Schedule number shall be set equal to the Storage Condition number for that month, but no greater than the Flow Schedule number for the previous month plus one; otherwise, the applicable Flow Schedule number shall be set equal to the Inflow Condition number.

Proposed changes to terms in Sonoma County Water Agency water right Permit 12949

Amended Permit 12949 (Application 15736), issued on August 30, 2006, shall be amended as follows:

1. Term 7 is deleted.

2. Term 8 is amended to read as follows:

Complete application of the water to the authorized use shall be made by December 31, 2040.

3. Term 17 is amended to read as follows:

For the protection of fish and wildlife in the Russian River and for the maintenance of recreation in the Russian River, permittee shall allow sufficient water to bypass the points of diversion to maintain:

(A) the following minimum flows to the Pacific Ocean:

(1) When Flow Schedule 1, 2 or 3 applies:

70 cfs* from May 1 through October 15
135 cfs from October 16 through April 30

(2) When Flow Schedule 4 applies:

50 cfs from May 1 through October 15
85 fs from October 16 through April 30

(3) When Flow Schedule 5 applies: 35 cfs

*cubic feet per second

(B) For the purposes of the requirements in this term, the following definitions and rules shall apply:

(1) To determine the appropriate Inflow Condition under the following paragraphs, the cumulative inflow into Lake Mendocino first must be calculated. Cumulative inflow into Lake Mendocino shall be calculated as the daily accumulation beginning on October 1 of the sum for each day of the releases from Lake Mendocino, increases in storage in Lake Mendocino and evaporation from Lake Mendocino that occurred on that day. Under certain circumstances, the calculation of cumulative inflow shall be adjusted on January 1, February 1 or March 1 of each year. Such adjustments shall be made if the calculated cumulative inflow into Lake Mendocino exceeds the Cumulative Inflow Limit value listed below for the applicable date:

January 1: 22,100 acre-feet
February 1: 37,500 acre-feet
March 1: 54,500 acre-feet

If any such exceedance occurs, then cumulative inflow into Lake Mendocino for that date that is used to determine the appropriate Inflow Condition number shall be set to equal for the Cumulative Inflow Limit value listed above for that date.

(2) Inflow Condition 2 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 3:

22,100 acre-feet as of January 1
37,500 acre-feet as of February 1
54,500 acre-feet as of March 1
64,100 acre-feet as of April 1
73,200 acre-feet as of May 1
80,600 acre-feet as of June 1
87,100 acre-feet as of July 1
93,500 acre-feet as of August 1
99,800 acre-feet as of September 1
105,000 acre-feet as of October 1

(3) Inflow Condition 3 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 4:

13,000 acre-feet as of January 1
24,900 acre-feet as of February 1
42,100 acre-feet as of March 1
56,400 acre-feet as of April 1
63,200 acre-feet as of May 1
70,200 acre-feet as of June 1
74,600 acre-feet as of July 1
79,400 acre-feet as of August 1
82,600 acre-feet as of September 1
86,700 acre-feet as of October 1

(4) Inflow Condition 4 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 5:

10,800 acre-feet as of January 1
18,000 acre-feet as of February 1
31,900 acre-feet as of March 1
50,200 acre-feet as of April 1
55,700 acre-feet as of May 1
62,200 acre-feet as of June 1
66,600 acre-feet as of July 1
70,700 acre-feet as of August 1
74,900 acre-feet as of September 1
78,600 acre-feet as of October 1

(5) Inflow Condition 5 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month:

- 10,500 acre-feet as of January 1
- 13,700 acre-feet as of February 1
- 19,500 acre-feet as of March 1
- 23,900 acre-feet as of April 1
- 32,700 acre-feet as of May 1
- 37,700 acre-feet as of June 1
- 40,000 acre-feet as of July 1
- 42,000 acre-feet as of August 1
- 44,000 acre-feet as of September 1
- 44,000 acre-feet as of October 1

(6) Inflow Condition 1 exists whenever Inflow Condition 2, 3, 4 or 5 does not exist.

(7) The Inflow Condition number for November and December shall be the same as the Inflow Condition number for the preceding October.

(8) Cumulative inflow to Lake Mendocino is the calculated algebraic sum of releases from Lake Mendocino, increases in the storage in Lake Mendocino, and evaporation from Lake Mendocino.

(9) The Flow Schedule number for each month shall equal the Inflow Condition number for the same month.

Proposed changes to terms in Sonoma County Water Agency water right Permit 12950

Amended Permit 12950 (Application 15737), issued on August 30, 2006, shall be amended as follows:

1. Term 7 is deleted.

1. Term 8 is amended to read as follows:

Complete application of the water to the authorized use shall be made by December 31, 2040.

2. Term 17 is amended to read as follows:

For the protection of fish and wildlife in the Russian River and for the maintenance of recreation in the Russian River, permittee shall allow sufficient water to bypass the points of diversion to maintain:

(A) the following minimum flows from the confluence of Dry Creek to the Pacific Ocean:

(1) When Flow Schedule 1, 2 or 3 applies:

70 cfs* from May 1 through October 15
135 cfs from October 16 through April 30

(2) When Flow Schedule 4 applies:

50 cfs from May 1 through October 15
85 cfs from October 16 through April 30

(3) When Flow Schedule 5 applies: 35 cfs

*cubic feet per second

(B) For the purposes of the requirements in this term, the following definitions and rules shall apply:

(1) To determine the appropriate Inflow Condition under the following paragraphs, the cumulative inflow into Lake Mendocino first must be calculated. Cumulative inflow into Lake Mendocino shall be calculated as the daily accumulation beginning on October 1 of the sum for each day of the releases from Lake Mendocino, increases in storage in Lake Mendocino and evaporation from Lake Mendocino that occurred on that day. Under certain circumstances, the calculation of cumulative inflow shall be adjusted on January 1, February 1 or March 1 of each year. Such adjustments shall be made if the calculated cumulative inflow into Lake Mendocino exceeds the Cumulative Inflow Limit value listed below for the applicable date:

January 1: 22,100 acre-feet
February 1: 37,500 acre-feet
March 1: 54,500 acre-feet

If any such exceedance occurs, then cumulative inflow into Lake Mendocino for that date that is used to determine the appropriate Inflow Condition number shall be set to equal for the Cumulative Inflow Limit value listed above for that date.

(2) Inflow Condition 2 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 3:

22,100 acre-feet as of January 1
37,500 acre-feet as of February 1
54,500 acre-feet as of March 1
64,100 acre-feet as of April 1
73,200 acre-feet as of May 1
80,600 acre-feet as of June 1
87,100 acre-feet as of July 1
93,500 acre-feet as of August 1
99,800 acre-feet as of September 1
105,000 acre-feet as of October 1

(3) Inflow Condition 3 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 4:

13,000 acre-feet as of January 1
24,900 acre-feet as of February 1
42,100 acre-feet as of March 1
56,400 acre-feet as of April 1
63,200 acre-feet as of May 1
70,200 acre-feet as of June 1
74,600 acre-feet as of July 1
79,400 acre-feet as of August 1
82,600 acre-feet as of September 1
86,700 acre-feet as of October 1

(4) Inflow Condition 4 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 5:

10,800 acre-feet as of January 1
18,000 acre-feet as of February 1
31,900 acre-feet as of March 1
50,200 acre-feet as of April 1
55,700 acre-feet as of May 1
62,200 acre-feet as of June 1
66,600 acre-feet as of July 1
70,700 acre-feet as of August 1
74,900 acre-feet as of September 1
78,600 acre-feet as of October 1

(5) Inflow Condition 5 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month:

- 10,500 acre-feet as of January 1
- 13,700 acre-feet as of February 1
- 19,500 acre-feet as of March 1
- 23,900 acre-feet as of April 1
- 32,700 acre-feet as of May 1
- 37,700 acre-feet as of June 1
- 40,000 acre-feet as of July 1
- 42,000 acre-feet as of August 1
- 44,000 acre-feet as of September 1
- 44,000 acre-feet as of October 1

(6) Inflow Condition 1 exists whenever Inflow Condition 2, 3, 4 or 5 does not exist.

(7) The Inflow Condition number for November and December shall be the same as the Inflow Condition number for the preceding October.

(8) Cumulative inflow to Lake Mendocino is the calculated algebraic sum of releases from Lake Mendocino, increases in the storage in Lake Mendocino, and evaporation from Lake Mendocino.

(9) The Flow Schedule number for each month shall equal the Inflow Condition number for the same month.

Proposed changes to terms in Sonoma County Water Agency water right Permit 16596

Amended Permit 16596 (Application 19351), issued on August 30, 2006, shall be amended as follows:

1. Term 7 is deleted.

2. Term 8 is amended to read as follows:

Complete application of the water to the authorized use shall be made by December 31, 2040.

3. Term 13 is amended to as follows:

For the protection of fish and wildlife in Dry Creek and the Russian River and for the maintenance of recreation in the Russian River, permittee shall pass through or release from storage at Lake Sonoma sufficient water to maintain:

(A) The following minimum flows in Dry Creek between Warm Springs Dam and its confluence with the Russian River:

(1) When Flow Schedule 1 or 2 applies:

75 cfs* from January 1 through April 30
50 cfs from May 1 through October 15
105 cfs from October 16 through December 31

(2) When Flow Schedule 3, 4, or 5 applies:

50 cfs from April 1 through October 15
75 cfs from November 1 through March 31

* cubic feet per second

(B) The following minimum flows in the Russian River between its confluence with Dry Creek and the Pacific Ocean, unless the water level in Lake Sonoma is below elevation 292.0 feet with reference to the National Geodetic Vertical Datum of 1929, or unless prohibited by the United States Government:

(3) When Flow Schedule 1, 2 or 3 applies:

70 cfs from May 1 through October 15
135 cfs from October 16 through April 30

(4) When Flow Schedule 4 applies:

50 cfs from May 1 through October 15
85 cfs from October 16 through April 30

(5) When Flow Schedule 5 applies: 35 cfs

For the purposes of the requirements in this term, the following definitions and rules shall apply:

(1) To determine the appropriate Inflow Condition under the following paragraphs, the cumulative inflow into Lake Mendocino first must be calculated. Cumulative inflow into Lake Mendocino shall be calculated as the daily accumulation beginning on October 1 of the sum for each day of the releases from Lake Mendocino, increases in storage in Lake Mendocino and evaporation from Lake Mendocino that occurred on that day. Under certain circumstances, the calculation of cumulative inflow shall be adjusted on January 1, February 1 or March 1 of each year. Such adjustments shall be made if the calculated cumulative inflow into Lake Mendocino exceeds the Cumulative Inflow Limit value listed below for the applicable date:

January 1: 22,100 acre-feet
February 1: 37,500 acre-feet
March 1: 54,500 acre-feet

If any such exceedance occurs, then cumulative inflow into Lake Mendocino for that date that is used to determine the appropriate Inflow Condition number shall be set to equal for the Cumulative Inflow Limit value listed above for that date.

(2) Inflow Condition 2 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 3:

22,100 acre-feet as of January 1
37,500 acre-feet as of February 1
54,500 acre-feet as of March 1
64,100 acre-feet as of April 1
73,200 acre-feet as of May 1
80,600 acre-feet as of June 1
87,100 acre-feet as of July 1
93,500 acre-feet as of August 1
99,800 acre-feet as of September 1
105,000 acre-feet as of October 1

(3) Inflow Condition 3 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 4:

13,000 acre-feet as of January 1
24,900 acre-feet as of February 1
42,100 acre-feet as of March 1
56,400 acre-feet as of April 1
63,200 acre-feet as of May 1
70,200 acre-feet as of June 1
74,600 acre-feet as of July 1
79,400 acre-feet as of August 1
82,600 acre-feet as of September 1
86,700 acre-feet as of October 1

(4) Inflow Condition 4 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than than the following amount for the applicable month and greater than the applicable amount for Inflow Condition 5:

10,800 acre-feet as of January 1
18,000 acre-feet as of February 1
31,900 acre-feet as of March 1
50,200 acre-feet as of April 1
55,700 acre-feet as of May 1
62,200 acre-feet as of June 1
66,600 acre-feet as of July 1
70,700 acre-feet as of August 1
74,900 acre-feet as of September 1
78,600 acre-feet as of October 1

(5) Inflow Condition 5 exists when cumulative inflow to Lake Mendocino beginning on October 1 of each year is less than than the following amount for the applicable month:

10,500 acre-feet as of January 1
13,700 acre-feet as of February 1
19,500 acre-feet as of March 1
23,900 acre-feet as of April 1
32,700 acre-feet as of May 1
37,700 acre-feet as of June 1
40,000 acre-feet as of July 1
42,000 acre-feet as of August 1
44,000 acre-feet as of September 1
44,000 acre-feet as of October 1

(6) Inflow Condition 1 exists whenever Inflow Condition 2, 3, 4 or 5 does not exist.

(7) The Inflow Condition number for November and December shall be the same as the Inflow Condition number for the preceding October.

(8) Cumulative inflow to Lake Mendocino is the calculated algebraic sum of releases from Lake Mendocino, increases in the storage in Lake Mendocino, and evaporation from Lake Mendocino.

(9) The Flow Schedule number for each month shall equal the Inflow Condition number for the same month.