(CCRWQCB, 2004K) R3

(502)

Region 3 – Regional Water Quality Control Board
Data Submissions and Corrections for the 2004 303(d) list

1) Describe the reason(s) the listing is inappropriate.
This is a proposal to remove Chumash Creek from the 303(d) list for dissolved oxygen. Chumash Creek was placed on the 2002 303(d) list as impaired from dissolved oxygen because levels fell below the COLD freshwater habitat water quality objective of 7 mg/l. Chumash Creek is not designated in the basin plan as supporting the COLD freshwater habitat beneficial use. The appropriate water quality objective for dissolved oxygen to apply to this waterbody is the general numeric objective of 5 mg/l. Three (3) samples of a total of 245 samples taken between 1993 and 2003 fall below this value. As such, Regional Board staff conclude that this waterbody is not impaired for dissolved oxygen.

2) Provide the data and information necessary to enable SWRCB to conduct a complete reassessment. **Please see below and/or attached.**

a. Name of the person or organization providing the information;
Regional Water Quality Control Board, Region 3

b. Mailing address, phone number, and email address of a contact responsible for answering questions about the information submitted;
895 Aerovista Place, Ste. 101
San Luis Obispo, CA 93401
805-549-3147
skeeling@rb3.swrcb.ca.gov
Staff person: Shanta Keeling

c. Bibliographic citations for all published information provided;
See attached documentation below and in excel file

d. To the extent possible, all information should be submitted in electronic format (e.g., Microsoft [MS] Word, Access database, Excel spreadsheet, ASCII, or Adobe Acrobat files);
CHUDO93-03 (excel)

e. Detailed quality assurance and quality control information about sampling and analysis of all numeric data;
Water column data collected by RWQCB staff in 1993-2001 were taken according to the National Monitoring Program Quality Assurance Program Plan. Samples taken in 2003 by the Morro Bay Volunteer Monitoring Program were taken according to protocols for dissolved oxygen sampling in the Morro Bay National Estuary Program's Quality Assurance Program Plan.

f. Water body name and California water body identification number (available from local RWQCB). The preferred statewide Geographic Information System (GIS) projection is the California Teale Albers, NAD27. Please refer to the following web site for details on the Teale Albers projection for GIS information: http://gis.ca.gov/albers.epl;
Chumash Creek, Calwater watershed no. 31022012

g. Geographic extent of the potential water quality limited segment;
San Luis Obispo County between the City of San Luis Obispo and the City of Morro Bay

h. Pollutant(s) of concern;
Dissolved oxygen

i. Applicable water quality objective or criterion;
General numeric water quality objective for dissolved oxygen of 5 mg/l.

j. Comparison of results against applicable water quality objective or criterion;
A total of three (3) samples of a total of 245 samples taken between 1993 and 2003 fall below this value. As such, Regional Board staff conclude that this waterbody is not impaired for dissolved oxygen.

k. Designated beneficial use(s) that may be impacted by pollutant(s);
None impacted (proposal to Delist)

l. Complete background information (metadata) for field data (i.e., when and where measurements were taken, number of samples, detection limits, etc.); and
245 single measurements (on a monthly or bi-monthly basis) were taken at CHU, a monitoring site located on Chumash Creek using a hand-held meter.

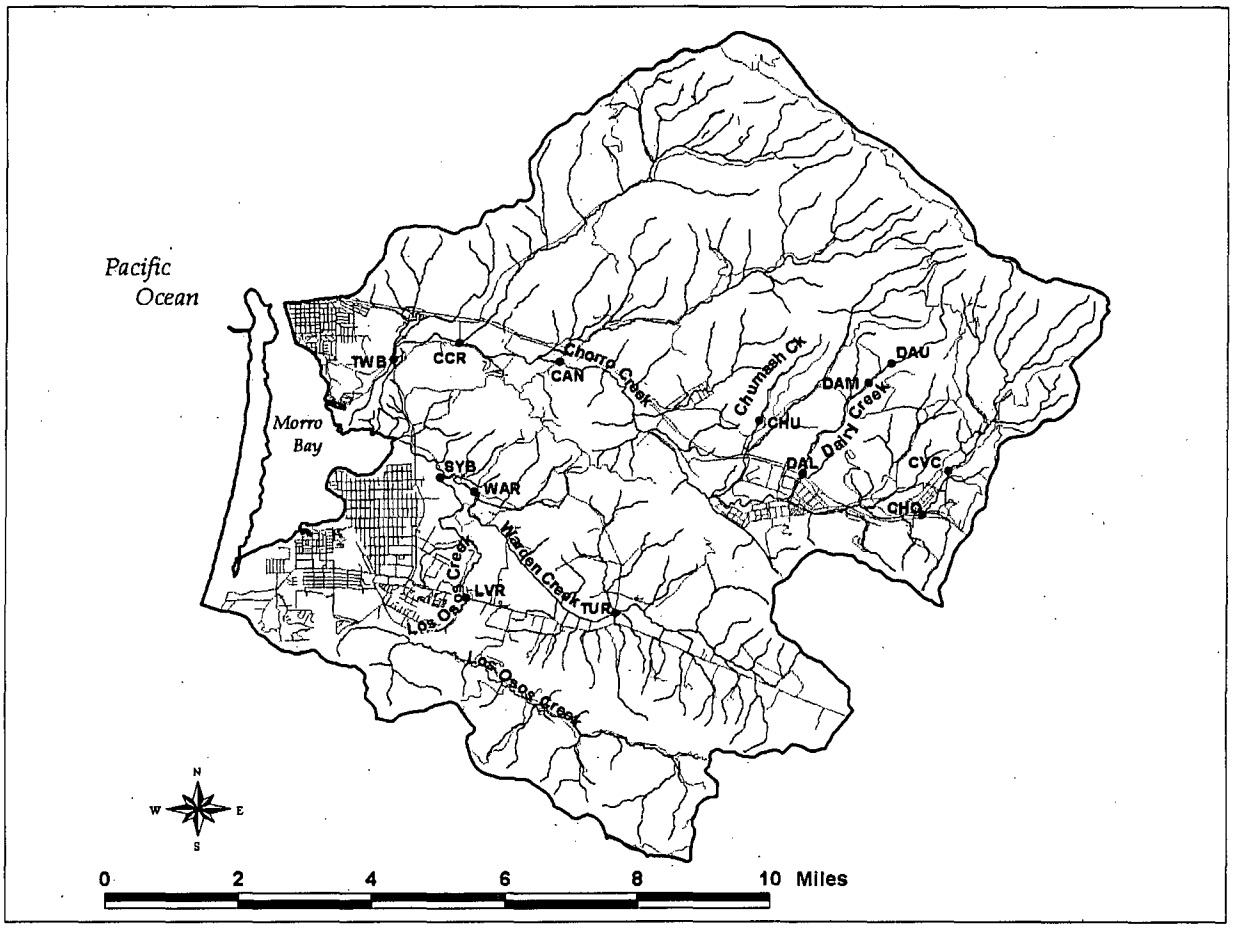
m. Full identification of any citizen volunteer water quality monitoring efforts including:
1) The name of the group;
Morro Bay Volunteer Monitoring Program
2) A description of any training in water quality assessment completed by members of the group.
The Morro Bay Volunteer Monitoring Program staff have routine correspondence with volunteers regarding data review, meter operation, and safety. Volunteer monitors collect dissolved oxygen data according to the Morro Bay National Estuary Program's Quality Assurance Program Plan.

3. Make sure all numeric data submitted in support of new listings or changes to existing listings, can be evaluated to address the following:
   a. data quality assurance assessment(s); *or if non-numeric, the types of observations;*
   b. spatial representation;
   c. temporal representation;
   d. age(s) of the data;

e. effects of seasonality;
f. effects of any events that might influence data evaluation (e.g., storm events, flow conditions, laboratory data qualifiers, etc.);
g. the total number of samples;
h. the number of samples exceeding standards;
i. the source or reference for samples;
j. the potential sources of pollutants; and
k. any program that might address the water quality problem in lieu of a TMDL.

Attachment A: Data

Map illustrating the CHU sampling point.



The table below shows the available data.

DateTime	310CHU-DO_PPM_Meas(mg/l)	
06/08/1993	10.4	✓
06/23/1993	9.4	✓
07/07/1993	9	✓
07/21/1993	10.7	✓
08/04/1993	7.02	✓
08/19/1993	9.8	✓
09/01/1993	8.54	✓
09/15/1993	8.11	✓
12/14/1993	9.87	✓

N = 245
1993 - 2003
40 did exceed the D.O. objective of 7mg/L minimum COLD objective

12/21/1993	13.08
12/28/1993	12
01/04/1994	11.81
01/04/1994	12.11
01/11/1994	13.12
01/11/1994	12.43
01/18/1994	10.75
01/18/1994	10.64
01/26/1994	11.1
02/01/1994	11.38
02/08/1994	10.24
02/15/1994	10.75
02/22/1994	10.43
03/01/1994	9.05
03/08/1994	8.82
03/15/1994	8.71
03/22/1994	9.08
03/29/1994	8.3
04/05/1994	7.82
04/12/1994	8.57
04/19/1994	8.48
04/26/1994	8.48
05/10/1994	10.05
05/24/1994	8.58
06/07/1994	8.72
06/21/1994	8.99
07/05/1994	7.25
07/19/1994	7.57
08/02/1994	7.25
08/16/1994	7.62
08/30/1994	6.76
09/13/1994	6.6
09/27/1994	5.79
10/11/1994	9.25
10/25/1994	9.19
11/08/1994	9.53
11/22/1994	10.29
12/06/1994	8.6
12/20/1994	10.43

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12/27/1994	10.3
01/03/1995	10.3
01/10/1995	9.49
01/17/1995	11.39
01/24/1995	10.35
01/31/1995	9.91
02/07/1995	11.54
02/14/1995	10.19
02/21/1995	10.11
02/28/1995	10.33
03/07/1995	9.64
03/14/1995	9.43
03/21/1995	9.43
03/28/1995	9.83
04/04/1995	9.88
04/11/1995	9.65
04/18/1995	8.98
04/25/1995	9.26
05/02/1995	10.13
05/09/1995	10.22
05/16/1995	10.54
05/23/1995	8.55
06/06/1995	9.06
06/20/1995	9.11
07/05/1995	8.59
07/18/1995	7.2
08/01/1995	9.32
08/15/1995	7.3
08/29/1995	8.05
09/12/1995	8.26
09/26/1995	8.91
10/10/1995	9.04
10/24/1995	11.68
11/07/1995	9.43
11/21/1995	8.58
12/05/1995	9.62
12/19/1995	11.59
01/02/1996	9.52
01/16/1996	8.46

01/23/1996	12.08
01/30/1996	11.53
02/06/1996	9.35
02/13/1996	9.66
02/20/1996	10.78
02/27/1996	12.08
03/05/1996	10.42
03/12/1996	10.35
03/19/1996	10.03
03/26/1996	11.12
04/02/1996	9.37
04/09/1996	11.04
04/16/1996	8.43
04/23/1996	10.58
04/30/1996	8.31
05/07/1996	11.5
05/14/1996	10.25
05/21/1996	9.25
05/28/1996	10.03
06/04/1996	8.68
06/11/1996	7.19
07/02/1996	8.48
07/16/1996	6.91
07/30/1996	5.4
08/13/1996	6.71
08/27/1996	7.86
09/10/1996	6.68
09/25/1996	6.23
10/09/1996	6.62
10/23/1996	6.97
11/06/1996	7.75
11/20/1996	8.62
12/04/1996	8.41
12/11/1996	8.57
12/17/1996	9.19
12/23/1996	9.8
12/30/1996	9.45
01/07/1997	8.87
01/14/1997	9.9

01/21/1997	7.86
01/28/1997	10.2
02/04/1997	14.89
02/11/1997	11.82
02/18/1997	11.69
02/25/1997	10.44
03/04/1997	10.17
03/11/1997	11.03
03/18/1997	10.49
03/25/1997	8.69
03/31/1997	9.65
04/07/1997	8.3
04/14/1997	8.34
04/28/1997	7.44
05/12/1997	6.9
05/28/1997	8.36
06/09/1997	7.92
06/23/1997	9.18
07/07/1997	10.55
07/21/1997	8.52
08/18/1997	6.2
09/02/1997	7.74
09/16/1997	7.33
09/30/1997	6.77
10/14/1997	6.92
10/28/1997	8.31
11/10/1997	6.87
11/25/1997	8.05
12/02/1997	5.85
12/09/1997	7.3
12/16/1997	7.39
12/16/1997	7.39
12/23/1997	7.87
12/30/1997	8.15
01/05/1998	8.16
01/12/1998	8.06
01/20/1998	8.64
02/02/1998	8.4
02/17/1998	7.6

02/23/1998	8.7
03/02/1998	6.9
03/09/1998	8
03/16/1998	7.35
06/01/1998	5.87
06/15/1998	6.87
06/29/1998	7.31
07/13/1998	7.42
07/27/1998	7.86
08/10/1998	7.92
08/24/1998	8.21
09/08/1998	8.99
09/21/1998	8.41
10/05/1998	8.21
10/19/1998	6.2
11/02/1998	6.89
11/16/1998	7.33
11/30/1998	6.77
12/22/1998	7.21
12/28/1998	6.99
01/04/1999	7.01
01/11/1999	7.02
01/18/1999	7.34
01/25/1999	7.2
02/01/1999	7.89
02/08/1999	7.56
02/15/1999	7.01
02/22/1999	6.82
03/01/1999	6.89
03/08/1999	7.23
03/15/1999	7.92
03/22/1999	8.01
03/29/1999	8.2
04/05/1999	8.03
04/12/1999	7.3
04/19/1999	7.45
04/26/1999	7.01
05/03/1999	6.78
05/10/1999	6.54

08/23/1999	8.06
10/05/1999	9.83
11/02/1999	4.93
04/10/2000	8.36
04/17/2000	8.7
04/24/2000	8.33
05/08/2000	7.89
05/15/2000	6.97
05/22/2000	6.67
05/30/2000	7.05
06/05/2000	6.42
06/19/2000	6.6
07/05/2000	5.94
10/10/2000	7.23
10/24/2000	7.8
11/07/2000	8.07
11/21/2000	8.03
12/05/2000	8.25
01/16/2001	6.72
01/23/2001	6.13
02/06/2001	7.7
02/13/2001	9.77
02/20/2001	8.67
02/27/2001	8.54
03/06/2001	8.27
03/13/2001	9.38
03/20/2001	7.96
03/27/2001	8.02
04/03/2001	8.34
04/10/2001	8.83
04/17/2001	9.17
04/24/2001	8.44
05/01/2001	6.71
05/08/2001	6.19
05/15/2001	6.61
2/12/03	8.15
3/12/03	8.35
4/16/03	8.47
5/14/03	7.05

6/18/03	4.59
7/16/03	4.52