**TABLE 3-1**

**SPECIFIC WATER QUALITY OBJECTIVES FOR NORTH COAST REGION**

| Waterbody[1] | Specific Conductance (micromhos) @ 77°F | | Total Dissolved Solids (mg/l) | | Dissolved Oxygen (mg/l) | | | Hydrogen Ion (pH) | | Hardness (mg/l) | Boron (mg/l) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 90% Upper Limit[3] | 50% Upper Limit[2] | 90% Upper Limit[3] | 50% Upper Limit[2] | Min | 90% Lower Limit[3] | 50% Lower Limit[2] | Max | Min | 50% Upper Limit[2] | 90% Upper Limit[3] | 50% Upper Limit[2] |
| Lost River HA | | | | | | | | | | | | |
| Clear Lake Reservoir & Upper Lost River | 300 | 200 | | | 5.0 | | 8.0 | 9.0 | 7.0 | 60 | 0.5 | 0.1 |
| Lower Lost River | 1000 | 700 | | | 5.0 | | - | 9.0 | 7.0 | - | 0.5 | 0.1 |
| Other Streams | 250 | 150 | | | 7.0 | | 8.0 | 8.4 | 7.0 | 50 | 0.2 | 0.1 |
| Tule Lake | 1300 | 900 | | | 5.0 | | - | 9.0 | 7.0 | 400 | - | - |
| Lower Klamath Lake | 1150 | 850 | | | 5.0 | | - | 9.0 | 7.0 | 400 | - | - |
| Groundwaters [4] | 1100 | 500 | | | - | | - | 8.5 | 7.0 | 250 | 0.3 | 0.2 |
| Butte Valley HA | | | | | | | | | | | | |
| Streams | 150 | 100 | | | 7.0 | | 9.0 | 8.5 | 7.0 | 30 | 0.1 | 0.0 |
| Meiss Lake | 2000 | 1300 | | | 7.0 | | 8.0 | 9.0 | 7.5 | 100 | 0.3 | 0.1 |
| Groundwaters [4] | 800 | 400 | | | - | | - | 8.5 | 6.5 | 120 | 0.2 | 0.1 |
| Shasta Valley HA | | | | | | | | | | | | |
| Shasta River | 800 | 600 | | | 7.0 | | 9.0 | 8.5 | 7.0 | 220 | 1.0 | 0.5 |
| Other Streams | 700 | 400 | | | 7.0 | | 9.0 | 8.5 | 7.0 | 200 | 0.5 | 0.1 |
| Lake Shastina | 300 | 250 | | | 6.0 | | 9.0 | 8.5 | 7.0 | 120 | 0.4 | 0.2 |
| Groundwaters [4] | 800 | 500 | | | - | | - | 8.5 | 7.0 | 180 | 1.0 | 0.3 |
| Scott River HA | | | | | | | | | | | | |
| Scott River | 350 | 250 | | | 7.0 | | 9.0 | 8.5 | 7.0 | 100 | 0.4 | 0.1 |
| Other Streams | 400 | 275 | | | 7.0 | | 9.0 | 8.5 | 7.0 | 120 | 0.2 | 0.1 |
| Groundwaters [4] | 500 | 250 | | | - | | - | 8.0 | 7.0 | 120 | 0.1 | 0.1 |
| Salmon River HA | | | | | | | | | | | | |
| All Streams | 150 | 125 | | | 9.0 | | 10.0 | 8.5 | 7.0 | 60 | 0.1 | 0.0 |
| Middle Klamath River HA | | | | | | | | | | | | |
| Klamath River above Iron Gate Dam including Iron Gate & Copco Reservoirs | 425 | 275 | | | 7.0 | | 10.0 | 8.5 | 7.0 | 60 | 0.3 | 0.2 |
| Klamath River below Iron Gate Dam | 350 | 275 | | | 8.0 | | 10.0 | 8.5 | 7.0 | 80 | 0.5 | 0.2 |
| Other Streams | 300 | 150 | | | 7.0 | | 9.0 | 8.5 | 7.0 | 60 | 0.1 | 0.0 |
| Groundwaters [4] | 750 | 600 | | | - | | - | 8.5 | 7.5 | 200 | 0.3 | 0.1 |
| Applegate River HA | | | | | | | | | | | | |
| All Streams | 250 | 175 | | | 7.0 | | 9.0 | 8.5 | 7.0 | 60 | - | - |
| Upper Trinity River HA | | | | | | | | | | | | |
| Trinity River [5] | 200 | 175 | | | 7.0 | | 10.0 | 8.5 | 7.0 | 80 | 0.1 | 0.0 |
| Other Streams | 200 | 150 | | | 7.0 | | 10.0 | 8.5 | 7.0 | 60 | 0.0 | 0.0 |
| Clair Engle Lake and Lewiston Reservoir | 200 | 150 | | | 7.0 | | 10.0 | 8.5 | 7.0 | 60 | 0.0 | 0.0 |

**TABLE 3-1 (CONTINUED)**

**SPECIFIC WATER QUALITY OBJECTIVES FOR NORTH COAST REGION**

| Waterbody[1] | Specific Conductance (micromhos) @ 77°F | | Total Dissolved Solids (mg/l) | | Dissolved Oxygen (mg/l) | | | Hydrogen Ion (pH) | | Hardness (mg/l) | Boron (mg/l) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 90% Upper Limit[3] | 50% Upper Limit[2] | 90% Upper Limit[3] | 50% Upper Limit[2] | Min | 90% Lower Limit[3] | 50% Lower Limit[2] | Max | Min | 50% Upper Limit[2] | 90% Upper Limit[3] | 50% Upper Limit[2] |
| Hayfork Creek | | | | | | | | | | | | |
| Hayfork Creek | 400 | 275 | | | 7.0 | | 9.0 | 8.5 | 7.0 | 150 | 0.2 | 0.1 |
| Other Streams | 300 | 250 | | | 7.0 | | 9.0 | 8.5 | 7.0 | 125 | 0.0 | 0.0 |
| Ewing Reservoir | 250 | 200 | | | 7.0 | | 9.0 | 8.0 | 6.5 | 150 | 0.1 | 0.0 |
| Groundwaters [4] | 350 | 225 | | | - | | - | 8.5 | 7.0 | 100 | 0.2 | 0.1 |
| S.F. Trinity River HA | | | | | | | | | | | | |
| S.F. Trinity River | 275 | 200 | | | 7.0 | | 10.0 | 8.5 | 7.0 | 100 | 0.2 | 0.0 |
| Other Streams | 250 | 175 | | | 7.0 | | 9.0 | 8.5 | 7.0 | 100 | 0.0 | 0.0 |
| Lower Trinity River HA | | | | | | | | | | | | |
| Trinity River | 275 | 200 | | | 8.0 | | 10.0 | 8.5 | 7.0 | 100 | 0.2 | 0.0 |
| Other Streams | 250 | 200 | | | 9.0 | | 10.0 | 8.5 | 7.0 | 100 | 0.1 | 0.0 |
| Groundwaters [4] | 200 | 150 | | | - | | - | 8.5 | 7.0 | 75 | 0.1 | 0.1 |
| Lower Klamath River HA | | | | | | | | | | | | |
| Klamath River | 300[6] | 200[6] | | | 8.0 | | 10.0 | 8.5 | 7.0 | 75[6] | 0.5[6] | 0.2[6] |
| Other Streams | 200[6] | 125[6] | | | 8.0 | | 10.0 | 8.5 | 6.5 | 25[6] | 0.1[6] | 0.0[6] |
| Groundwaters [4] | 300 | 225 | | | - | | - | 8.5 | 6.5 | 100 | 0.1 | 0.0 |
| Illinois River HA | | | | | | | | | | | | |
| All Streams | 200 | 125 | | | 8.0 | | 10.0 | 8.5 | 7.0 | 75 | 0.1 | 0.0 |
| Winchuck River HU | | | | | | | | | | | | |
| All Streams | 200[6] | 125[6] | | | 8.0 | | 10.0 | 8.5 | 7.0 | 50[6] | 0.0[6] | 0.0[6] |
| Smith River HU | | | | | | | | | | | | |
| Smith River-Main Forks | 200 | 125 | | | 8.0 | | 11.0 | 8.5 | 7.0 | 60 | 0.1 | 0.1 |
| Other Streams | 150[6] | 125[6] | | | 7.0 | | 10.0 | 8.5 | 7.0 | 60[6] | 0.1[6] | 0.0[6] |
| Smith River Plain HSA | | | | | | | | | | | | |
| Smith River | 200[6] | 150[6] | | | 8.0 | | 11.0 | 8.5 | 7.0 | 60[6] | 0.1[6] | 0.0[6] |
| Other Streams | 150[6] | 125[6] | | | 7.0 | | 10.0 | 8.5 | 6.5 | 60[6] | 0.1[6] | 0.0[6] |
| Lakes Earl & Talawa | - | - | | | 7.0 | | 9.0 | 8.5 | 6.5 | - | - | - |
| Groundwaters [4] | 350 | 100 | | | - | | - | 8.5 | 6.5 | 75 | 1.0 | 0.0 |
| Crescent City Harbor | - | - | | | | | | | | | | |
| Redwood Creek HU | | | | | | | | | | | | |
| Redwood Creek | 220[6] | 125[6] | 115[6] | 75[6] | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Mad River HU | | | | | | | | | | | | |
| Mad River | 300[6] | 150[6] | 160[6] | 90[6] | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Eureka Plain HU | | | | | | | | | | | | |
| Humboldt Bay | - | - | - | - | 6.0 | 6.2 | 7.0 | 8.5 | 7 | | | |
| Eel River HU | | | | | | | | | | | | |
| Eel River | 375[6] | 225[6] | 275[6] | 140[6] | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Van Duzen River | 375 | 175 | 200 | 100 | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |

**TABLE 3-1 (CONTINUED)**

**SPECIFIC WATER QUALITY OBJECTIVES FOR NORTH COAST REGION**

| Waterbody[1] | Specific Conductance (micromhos) @ 77°F | | Total Dissolved Solids (mg/l) | | Dissolved Oxygen (mg/l) | | | Hydrogen Ion (pH) | | Hardness (mg/l) | Boron (mg/l) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 90% Upper Limit[3] | 50% Upper Limit[2] | 90% Upper Limit[3] | 50% Upper Limit[2] | Min | 90% Lower Limit[3] | 50% Lower Limit[2] | Max | Min | 50% Upper Limit[2] | 90% Upper Limit[3] | 50% Upper Limit[2] |
| South Fork Eel River | 350 | 200 | 200 | 120 | 7.0 | 7.5 | 0.0 | 8.5 | 6.5 | | | |
| Middle Fork Eel River | 450 | 200 | 230 | 130 | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Outlet Creek | 400 | 200 | 230 | 125 | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Cape Mendocino HU | | | | | | | | | | | | |
| Bear River | 390[6] | 255[6] | 240[6] | 150[6] | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Mattole River | 300[6] | 170[6] | 170[6] | 105[6] | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Mendocino Coast HU | | | | | | | | | | | | |
| Ten Mile River | - | - | - | - | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Noyo River | 185[6] | 150[6] | 120[6] | 105[6] | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Jug Handle Creek | - | - | - | - | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Big River | 300[6] | 195[6] | 190[6] | 130[6] | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Albion River | - | - | - | - | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Navarro River | 285[6] | 250[6] | 170[6] | 150[6] | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Garcia River | - | - | - | - | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Gualala River | - | - | - | - | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Russian River HU | | | | | | | | | | | | |
| (upstream) [8] | 320 | 250 | 170 | 150 | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| (downstream) [9] | 375[6] | 285[6] | 200[6] | 170[6] | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Laguna de Santa Rosa | - | - | - | - | 7.0 | 7.5 | 10.0 | 8.5 | 6.5 | | | |
| Bodega Bay | - | - | - | - | 6.0 | 6.2 | 7.0 | 8.5 | 7 | | | |
| Coastal Waters [10] | - | - | - | - | 11 | 11 | 11 | 12 | 12 | | | |

1 Water bodies are grouped by hydrologic unit (HU), hydrologic area (HA), or hydrologic subarea (HSA).
2 50% upper and lower limits represent the 50 percentile values of the monthly means for a calendar year. 50% or more of the monthly means must be less than or equal to an upper limit and greater than or equal to a lower limit.
3 90% upper and lower limits represent the 90 percentile values for a calendar year. 90% or more of the values must be less than or equal to an upper limit and greater than or equal to a lower limit.
4 Value may vary depending on the aquifer being sampled. This value is the result of sampling over time, and as pumped, from more than one aquifer.
5

| Daily Average Not to Exceed | Period | River Reach |
|---|---|---|
| 60°F | July 1 - Sept. 14 | Lewiston Dam to Douglas City Bridge |
| 56°F | Sept. 15 - Oct. 1 | Lewiston Dam to Douglas City Bridge |
| 56°F | Oct. 1 - Dec. 31 | Lewiston Dam to confluence of North Fork Trinity River |

6 Does not apply to estuarine areas.
7 pH shall not be depressed below natural background levels.
8 Russian River (upstream) refers to the mainstem river upstream of its confluence with Laguna de Santa Rosa.
9 Russian River (downstream) refers to the mainstem river downstream of its confluence with Laguna de Santa Rosa.
10 The State's Ocean Plan applies to all North Coast Region coastal waters.
11 Dissolved oxygen concentrations shall not at any time be depressed more than 10 percent from that which occurs naturally.
12 pH shall not be changed at any time more than 0.2 units from that which occurs naturally.
- no water body specific objective available.