

Table Hg-2. Modeled Methylmercury Concentrations in Water for Existing Conditions, No Action Alternative ELT, and Alternatives 2D, 4A, and 5A ELT.

| Source | Location | Period * | Period Average Concentration (ng/L) | | | | | |
|-------------------------------------|---|----------|-------------------------------------|---------------|------------|-------------|-------------|------------|
| | | | Existing Conditions | No Action ELT | Alt 2D ELT | Alt 4H3 ELT | Alt 4H4 ELT | Alt 5A-ELT |
| Delta Interior | Mokelumne River (SF) at Staten Island | All | 0.135 | 0.135 | 0.145 | 0.144 | 0.144 | 0.141 |
| | | Drought | 0.121 | 0.122 | 0.128 | 0.128 | 0.128 | 0.127 |
| | San Joaquin River at Buckley Cove | All | 0.159 | 0.163 | 0.162 | 0.162 | 0.162 | 0.163 |
| | | Drought | 0.161 | 0.168 | 0.166 | 0.166 | 0.166 | 0.169 |
| | Franks Tract | All | 0.117 | 0.117 | 0.124 | 0.123 | 0.124 | 0.120 |
| | | Drought | 0.109 | 0.109 | 0.112 | 0.112 | 0.113 | 0.111 |
| Old River at Rock Slough | All | 0.121 | 0.122 | 0.128 | 0.128 | 0.130 | 0.125 | |
| | Drought | 0.113 | 0.114 | 0.118 | 0.118 | 0.119 | 0.116 | |
| Western Delta | Sacramento River at Emmaton | All | 0.103 | 0.103 | 0.105 | 0.105 | 0.105 | 0.104 |
| | | Drought | 0.101 | 0.101 | 0.102 | 0.102 | 0.102 | 0.101 |
| | San Joaquin River at Antioch | All | 0.102 | 0.103 | 0.109 | 0.108 | 0.109 | 0.105 |
| | | Drought | 0.093 | 0.093 | 0.096 | 0.096 | 0.097 | 0.095 |
| | Sacramento River at Mallard Island | All | 0.082 | 0.083 | 0.087 | 0.087 | 0.087 | 0.084 |
| | | Drought | 0.072 | 0.072 | 0.074 | 0.074 | 0.074 | 0.074 |
| Major Diversions (Pumping Stations) | North Bay Aqueduct at Barker Slough Pumping Plant | All | 0.112 | 0.112 | 0.105 | 0.105 | 0.105 | 0.105 |
| | | Drought | 0.113 | 0.113 | 0.105 | 0.105 | 0.105 | 0.105 |
| | Contra Costa Pumping Plant #1 | All | 0.129 | 0.128 | 0.134 | 0.133 | 0.135 | 0.131 |
| | | Drought | 0.121 | 0.121 | 0.124 | 0.124 | 0.125 | 0.123 |
| | Banks Pumping Plant | All | 0.133 | 0.134 | 0.121 | 0.123 | 0.122 | 0.128 |
| | | Drought | 0.128 | 0.129 | 0.126 | 0.126 | 0.123 | 0.128 |
| | Jones Pumping Plant | All | 0.138 | 0.140 | 0.124 | 0.125 | 0.126 | 0.134 |
| | | Drought | 0.134 | 0.136 | 0.130 | 0.130 | 0.132 | 0.133 |

Notes:

* All: Water years 1975-1991 represent the 16-year period modeled using DSM2. Drought: Represents a 5 consecutive year (water years 1987-1991) drought period consisting of dry and critical water year types (as defined by the Sacramento Valley 40-30-30 water year hydrologic classification index)

ELT = early long term

ng/L = nanogram per liter

SF = south fork