

**TOTAL MAXIMUM DAILY LOAD
FOR
2,3,7,8-TCDD IN THE COLUMBIA RIVER BASIN**

Decision Document

1. SCOPE

This total maximum daily load (TMDL) addresses the following segments, pollutants, and source categories:

WATER QUALITY-LIMITED SEGMENTS:

| <u>RIVER SEGMENT</u> | <u>APPLICABLE WATER QUALITY RULES:¹</u> |
|-------------------------------|--|
| Columbia River (RM 0 - 745) | WAC 173-201-047 ² |
| " " (RM 0 - 309) | WAC 173-201-080(19) ³ |
| " " (RM 309 - 596) | WAC 173-201-080(20) ³ |
| " " (RM 596 - 745) | WAC 173-201-080(21) ³ |
| " " (RM 0 - 86) | OAR 340-41-202 & 205(2)(p) ^{4,5} |
| " " (RM 86 - 120) | OAR 340-41-442 & 445(2)(p) ^{4,5} |
| " " (RM 120 - 147) | OAR 340-41-482 & 485(2)(p) ^{4,5} |
| " " (RM 147 - 203) | OAR 340-41-522 & 525(2)(p) ^{4,5} |
| " " (RM 203 - 218) | OAR 340-41-562 & 565(2)(p) ^{4,5} |
| " " (RM 218 - 247) | OAR 340-41-602 & 605(2)(p) ^{4,5} |
| " " (RM 247 - 309) | OAR 340-41-642 & 645(2)(p) ^{4,5} |
| Snake River (RM 0 - 176) | WAC 173-201-047 ² |
| " " (RM 0 - 176) | WAC 173-201-080(97) ³ |
| " " | IDAPA 16.01.2120 & .2200 ^{6,7} |
| Willamette River (RM 0 - 187) | OAR 340-41-442 & 445(2)(p) ^{4,5} |

¹ In addition to the following, all waste load allocations and permit limits must ensure compliance with applicable water quality standards of downstream states [40 CFR §122.4(d)].

² WAC 173-201-047 describes Washington's applicable criteria for toxic substances.

³ WAC 173-201-080 describes Washington's classification for specific waterbodies.

⁴ OAR 340-41-xx2 describes beneficial uses designated by Oregon.

⁵ OAR 340-41-xx5(2)(p) describes Oregon's applicable criteria for toxic substances.

⁶ IDAPA 16.01.2120 describes the designated uses for the confluence of the Clearwater and Snake River in Idaho.

⁷ IDAPA 16.01.2200 describes Idaho's criteria for hazardous and deleterious materials.

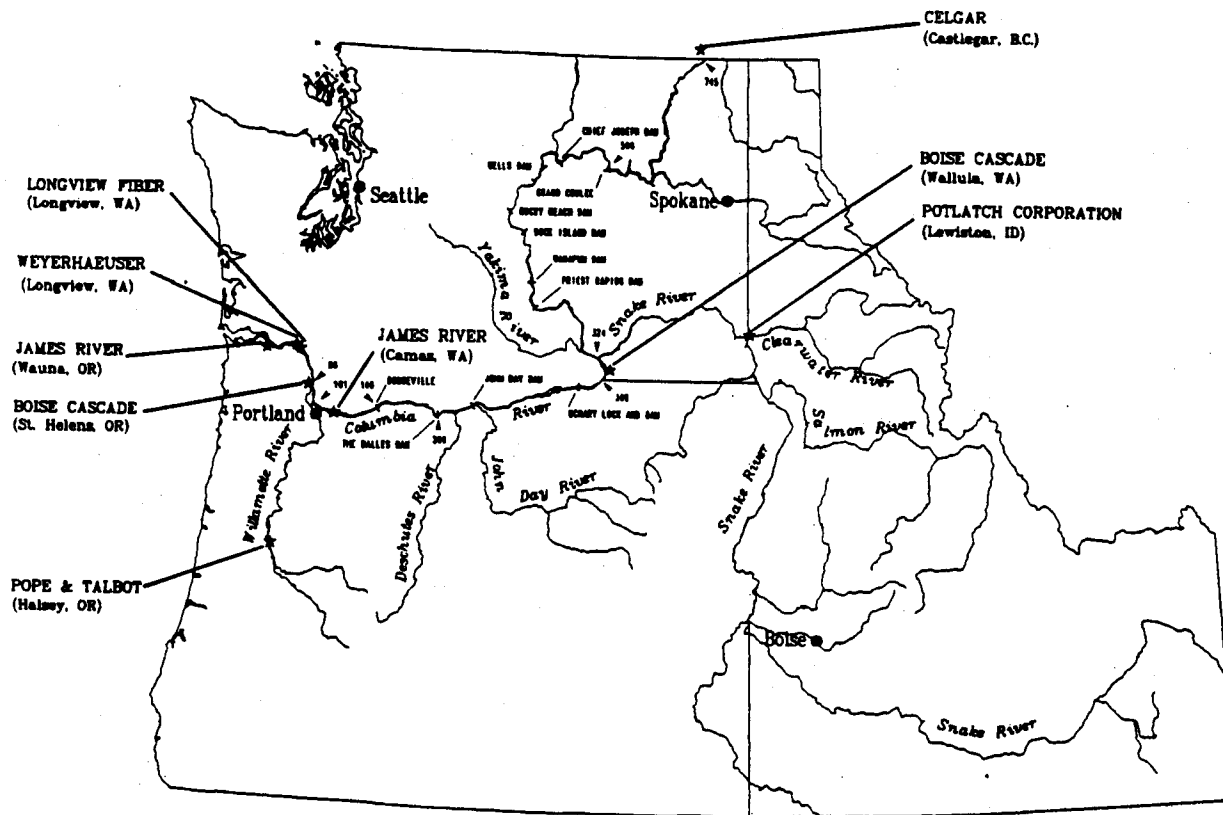
POLLUTANT CAUSING EXCEEDANCE OF WQ STANDARDS:

2,3,7,8 - tetrachlorodibenzo-para-dioxin (2,3,7,8-TCDD)

SOURCE CATEGORIES CONSIDERED:

| <u>Source Category</u> | <u>Allocation Type</u> | <u>Source Description</u> |
|------------------------|------------------------|---|
| 1 | WLA ¹ | Pulp & Paper Mills -- Chlorine Bleaching |
| 2 | Reserved | All Other Sources: |
| | | <ul style="list-style-type: none"> ■ Pulp & Paper Mills -- Non-Chlorine Bleaching ■ Woodtreaters Using Pentachlorophenol ■ Municipal Wastewater Treatment Facilities ■ Canadian Sources ■ Other Point Sources ■ Port Activities ■ Urban Areas ■ Other Nonpoint Source ■ Background |

Figure 1-1. Columbia River Basin.



¹ WLA = waste load allocation