

***NATIONAL WEATHER SERVICE WESTERN REGION SUPPLEMENT 12-2002  
APPLICABLE TO NWSI 10-903  
APRIL 29, 2020***

***Operations and Services  
Hydrologic Services, NWSPD 10-9  
Geographic Areas of Responsibility, NWSI 10-903***

***DESCRIPTION OF WESTERN REGION HYDROLOGIC SERVICE AREAS***

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**NOTICE:** This publication is available at: <http://www.nws.noaa.gov/directives/>.

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***SUMMARY OF REVISIONS:*** This supplement supersedes Western Region Supplement 12-2002, dated July 15, 2019 filed applicable to NWS instruction 10-903.

The following changes were made in this issuance:

1. Page 1: Corrected misspelling of "Hydrologic" in title.
2. Page 2: Added "and Lake".
3. Page 6: Deleted "Lake County".

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Date

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1. Purpose: Each weather forecast office (WFO) is responsible for a hydrologic service area (HSA). These areas mirror the county warning areas (CWA) fairly closely; however, there are differences. The purpose of this supplement is to provide detailed descriptions of the HSAs for each WFO.

2. Description of Hydrologic Service Areas:

Billings, MT (BYZ)

Rivers in or touching the following Montana counties: Big Horn, Carbon, Carter, Custer, Fallon, Golden Valley, Musselshell, Park, Power River, Rosebud, Stillwater, Sweet Grass, Treasure, Wheatland and Yellowstone.

Rivers in or touching Sheridan County, Wyoming.

Excludes the short section of the Musselshell River where it touches Glasgow’s HSA.

Boise, ID (BOI)

Rivers in or touching the following Idaho counties: Ada, Adams, Boise, Camas, Canyon, Elmore, Gem, Gooding, Jerome, Owyhee, Payette, Twin Falls, Valley and Washington.

Rivers in or touching the following Oregon counties: Baker, Harney and Malheur.

Includes:

- The north fork of the Powder River, which forms a boundary between Union and Baker Counties in Oregon.
- The Middle Fork Salmon River where it forms a boundary between Missoula and Boise’s HSA

Excludes:

- The Little Salmon River where it touches Missoula’s HSA

Elko, NV (LKN)

Rivers in or touching the following Nevada counties: Elko, Eureka, Humboldt, Lander, White Pine, and northern Nye.

Eureka, CA (EKA)

Rivers in or touching the following California counties: Del Norte, Humboldt, Mendocino, Lake and Trinity.

Flagstaff, AZ (FGZ)

Rivers in or touching the following Arizona counties: Apache, Coconino, Navajo and Yavapai.

Includes:

- The portion of the Santa Maria River which forms a boundary between Mohave and La Paz Counties
- The East Verde River basin in Gila County

Excludes:

- The portions of the Agua Fria River which touch other HSAs
- The White River basin
- The Black River basin
- The inflow point to Horseshoe Reservoir on the Verde River

Glasgow, MT (GGW)

Rivers in or touching the following Montana counties: Daniels, Dawson, Garfield, McCone, Petroleum, Phillips, Prairie, Richland, Roosevelt, Sheridan, Valley and Wibaux.

Excludes the portion of the Missouri River where it touches Great Falls' HSA.

Great Falls, MT (TFX)

Rivers in or touching the following Montana counties: Beaverhead, Blaine, Broadwater, Cascade, Chouteau, Fergus, Gallatin, Glacier, Hill, Jefferson, Judith Basin, Lewis and Clark, Liberty, Madison, Meagher, Pondera, Teton and Toole.

Las Vegas, NV (LAS)

Rivers in or touching the following Nevada counties: Clark, Esmeralda, Lincoln and southern Nye.

Rivers in or touching the following California counties: Inyo and San Bernardino.

Rivers in or touching Mohave County, Arizona.

Excludes:

- The Bill Williams River
- The Santa Maria River
- The portion of San Bernardino County that is southwest of a line which extends from the triple point of Kern, Los Angeles and San Bernardino counties eastward to the northwest corner of the Twenty Nine Palms Marine Corps Training Area (34,74N, 116,42W) then following southerly along the western border of the Training Area to 34.36N, 116,40W, then extending southwest to the intersection of California Highway 247 with Mikiska Boulevard (34.32N, 116,48W). The boundary continues southwest from the intersection of Highway 247 and Mikiska Boulevard to the 4000 ft elevation contour, then southward to the Riverside County line.

Los Angeles, CA (LOX)

Rivers in or touches the following California counties: Los Angeles, Santa Barbara, Ventura, and San Luis Obispo.

Medford, OR (MFR)

Rivers in or touching the following California counties: Modoc and Siskiyou, excluding extreme eastern Modoc County.

Rivers in or touching the following Oregon counties: Coos, Curry, Douglas, Jackson, Josephine, Klamath and Lake.

Missoula, MT (MSO)

Rivers in or touching the following Idaho counties: Clearwater, Idaho and Lemhi.

Rivers in or touching the following Montana counties: Deer Lodge, Flathead, Granite, Lake, Lincoln, Mineral, Missoula, Powell, Ravalli, Sanders and Silver Bow.

Excludes:

- The Snake River
- Sawmill Creek
- Camp Creek and the portion of the Big Hole River which touches Great Falls' HSA
- The Middle Fork Salmon River where it forms a boundary between Missoula and Boise's HAS

Pendleton, OR (PDT)

Rivers in or touches the following Oregon counties: Crook, Deschutes, Gilliam, Grant, Jefferson, Morrow, Sherman, Umatilla, Union, Wallowa, Wasco and Wheeler.

Rivers in or touches the following Washington counties: Benton, Columbia, Franklin, Kittitas, Klickitat, Walla Walla, and Yakima.

Includes the Grande Ronde River in Asotin County, Washington.

Excludes:

- The White Salmon basin in Klickitat County
- The portion of the Columbia River which touches Spokane's HSA
- The Palouse River which touches Franklin County

Phoenix, AZ (PSR)

Rivers in or touches the following Arizona counties: Gila, La Paz, Maricopa, Pinal and Yuma.

Rivers in or touching the following California counties: Imperial and Riverside.

Includes:

- The White and Black River basins in Navajo and Apache Counties
- The inflow point to Horseshoe Reservoir
- The portion of Joshua Tree National Park that extends into San Bernardino County
- The entire San Carlos River

Excludes:

- The Gila River at Kelvin, Arizona and on upstream
- The entire San Pedro River basin
- The Santa Maria River
- The East Verde River basin
- The Santa Cruz River to Eloy in Pinal County
- The western portion of Riverside County west and south of Joshua Tree National Park to a north/south line to Desert Beach, then west and south around the end of the Salton Sea to the San Diego/Imperial county line

Pocatello, ID (PIH)

Rivers in or touching the following Idaho counties: Bannock, Bear Lake, Bingham, Blaine, Bonneville, Butte, Caribou, Cassia, Clark, Custer, Franklin, Fremont, Jefferson, Lincoln, Madison, Minidoka, Onedia, Power and Teton.

Excludes:

- The Pahsimeroi River, Big Creek, Warm Springs Creek, Loon Creek, and the Middle Fork Salmon River where each of these touch adjacent HSAs

Portland, OR (PQR)

Rivers in or touching the following Oregon counties: Benton, Clackamas, Clatsop, Columbia, Hood River, Lane, Lincoln, Linn, Marion, Multnomah, Polk, Tillamook, Washington and Yamhill.

Rivers in or touches the following Washington counties: Clark, Cowlitz, Pacific, Skamania and Wahkiakum.

Includes the White Salmon basin in Klickitat County.

Reno, NV (RNO)

Rivers in or touches the following 8 Nevada counties: Carson City, Churchill, Douglas, Lyon, Mineral, Pershing, Storey and Washoe.

Rivers in or touches the following 2 California counties: Lassen and Mono.

Includes the California Rivers in extreme eastern Modoc, eastern Plumas and eastern Sierra Counties (same as CWA) and all rivers east of the Sierra Mountain crest in Alpine, El Dorado, Nevada and Placer Counties.

Sacramento, CA (STO)

Rivers in or touches the following California counties: Amador, Butte, Calaveras, Colusa, Glenn, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tuolumne, Yolo and Yuba.

Includes the rivers in California in western Plumas and western Sierra Counties (same as CWA) and all rivers west of the Sierra Mountains crest in Alpine, El Dorado, Nevada and Placer Counties.

Excludes:

- The short section of the San Joaquin River which forms a common boundary with San Joaquin Valley's HSA
- The rivers within Yosemite National Park in Tuolumne County

Salt Lake City, Utah (SLC)

Rivers in or touches the following 24 Utah counties: Beaver, Box Elder, Cache, Carbon, Davis, Duchesne, Emery, Garfield, Iron, Juab, Kane, Millard, Morgan, Piute, Rich, Salt Lake, Sanpete, Sevier, Summit, Tooele, Utah, Wasatch, Washington, Wayne and Weber.

Rivers in or touching Uinta County, Wyoming.

Includes:

- Lake Powell and its adjacent national park and wilderness area San Juan County
- The Green River in or touching the City of Green River, Utah

San Diego, CA (SGX)

Rivers in or touching the following California counties: San Diego and Orange.

Includes:

- The western portion of Riverside County west and south of the Joshua Tree National Monument to a north/south line to Desert Beach, then west and south around the end of the Salton Sea to the San Diego/Imperial County line
- The portion of San Bernardino County which is to the southwest of a line extends from the triple point of Kern, Los Angeles and San Bernardino counties eastward to the northwest corner of the Twenty Nine Palms Marine Corps Training Area (34.74N, 116.42W) then following southerly along the western border of the Training Area to 34.36N, 116.40W, then extending southwest to the intersection of California Highway 247 with Mikiska Boulevard (34.32N, 116.48W). The Boundary continues southwest from the intersection of Highway 247 and Mikiska Boulevard to the 4000 ft elevation contour, then southward to the Riverside County line.

San Francisco, CA (MTR)

Rivers in or touches the following California counties: Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, and Sonoma.

Excludes the main stems of the lower Sacramento, the lower San Joaquin, the Santa Maria and Cuyama Rivers.

San Joaquin Valley, CA (HNX)

Rivers in or touches the following California counties: Fresno, Kern, King, Madera, Mariposa, Merced and Tulane.

Includes:

- The rivers within Yosemite National Park in Tuolumne County
- The short section of the San Joaquin River which forms a common boundary with Sacramento's HSA

Seattle, WA (SEW)

Rivers in or touches the following Washington counties: Clallam, Grays Harbor, Island, Jefferson, King, Kitsap, Lewis, Mason, Pierce, San Juan, Skagit, Snohomish, Thurston and Whatcom.

Spokane, WA (OTX)

Rivers in or touches the following Idaho counties: Benewah, Bonner, Boundary, Kootenai, Latah, Lewis, Nez Perce and Shoshone.

Rivers in or touches the following Washington counties: Adams, Asotin, Chelan, Douglas, Ferry, Garfield, Grant, Lincoln, Okanogan, Pend Oreille, Spokane, Stevens and Whitman.

Excludes:

- The Salmon River, portions of the Snake and Clearwater Rivers, and Lawyers Creek, which touch other HSAs
- The Grande Ronde River in Asotin County

Tucson, AZ (TWC)

Rivers in or touches the following Arizona counties: Cochise, Graham, Greenlee, Pima and Santa Cruz.

Includes:

- The main stem of the Gila River downstream to and including Kelvin
- The San Pedro River basin in Pinal County
- The Santa Cruz River to Chuichu

Excludes the Black River basin.