

## 2.0 Groundwater

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This chapter discusses groundwater flow and chemistry on the Hanford Site. Section 2.1 gives a general overview of site-wide groundwater flow. Sections 2.2 through 2.13 describe groundwater flow and chemistry for various regions of the Hanford Site. These regions are based on groundwater operable units. However, the groundwater operable units do not cover the entire Hanford Site. To provide scheduling, data review, and interpretation for the entire site, groundwater staff have defined informal “groundwater interest areas” that include the groundwater operable units and intervening regions. These regions are presented in geographic order (north to south, west to east). Section 2.14 describes groundwater flow and chemistry in the confined aquifers.

- Section 2.1, Groundwater Flow
- Section 2.2, 100-BC-5 Operable Unit (100-B/C Area)
- Section 2.3, 100-KR-4 Operable Unit (100-K Area)
- Section 2.4, 100-NR-2 Operable Unit (100-N Area)
- Section 2.5, 100-HR-3-D Groundwater Interest Area (100-D Area)
- Section 2.6, 100-HR-3-H Groundwater Interest Area (100-H Area)
- Section 2.7, 100-FR-3 Operable Unit (100-F Area)
- Section 2.8, 200-ZP-1 Operable Unit (northern 200 West Area)
- Section 2.9, 200-UP-1 Operable Unit (southern 200 West Area)
- Section 2.10, 200-BP-5 Operable Unit (northern 200 East Area)
- Section 2.11, 200-PO-1 Operable Unit (southern 200 East Area and downgradient contaminant plumes)
- Section 2.12, 300-FF-5 Operable Unit (300 Area and selected burial grounds)
- Section 2.13, 1100-EM-1 Groundwater Interest Area (former 1100 Area)
- Section 2.14, Confined Aquifers

Monitoring of specific units under the *Atomic Energy Act of 1954*; *Comprehensive Environmental Response, Compensation, and Liability Act of 1980*; *Resource Conservation and Recovery Act of 1976*; or *Washington Administrative Code* are discussed within relevant sections.

Background information, including descriptions of regulatory requirements, waste sites, analytical methods, regional geology, and statistics, is published separately in a companion volume, PNNL-13080. This information formerly was included in annual groundwater reports, but was published separately to avoid repetition.

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