

## Groundwater Classifications and Conditions

690-502-160

(1) Use of groundwater from the basalt aquifer within the Cooper - Bull Mountain Critical Groundwater Area shall be as described in the State Engineer's order designating the Cooper - Bull Mountain Critical Groundwater Area dated May 17, 1974.

### (2) Groundwater Classification:

The groundwater resources of the Willamette Basin are classified for domestic, livestock, irrigation, municipal, industrial, agricultural, commercial, power, mining, recreation, fish life, wildlife, pollution abatement, wetland enhancement and statutorily exempt groundwater uses with the following exceptions:

(a) Groundwater from the *shallow* Troutdale aquifer and the specially designated portion of the *deep* Troutdale aquifer in the Sandy - Boring area is classified for exempt uses only.

The Sandy - Boring Groundwater Limited Area is as described and shown in Exhibit 1. Groundwater applications pending on October 4, 1991 shall be processed according to the classifications in effect on the date the application was filed and shall contain the Special Permit Conditions specified in Section (4) herein. Applications may be rejected if the aquifer displays any of the adverse impacts defined in OAR 690-08. Applications submitted after October 4, 1991 shall be processed according to the requirements of these rules and classifications.

(b) Groundwater from the basalt aquifers in the Damascus, Gladtidings, Kingston, Mt. Angel, Parrett Mountain and Stayton - Sublimity areas, and the Troutdale aquifer in the Damascus area is classified for exempt uses only.

(A) The Damascus Groundwater Limited Area is as described and shown in Exhibit 2. The Gladtidings Groundwater Limited Area is as described and shown in Exhibit 3. The Kingston Groundwater Limited Area is as described and shown in Exhibit 4. The Mt. Angel Groundwater Limited Area is as described and shown in Exhibit 5. The Parrett Mountain Groundwater Limited Area is as described and shown in Exhibit 9. The Stayton - Sublimity Groundwater Limited Area is as described and shown in Exhibit 7.

(B) Groundwater applications pending on October 4, 1991 shall be processed according to the classifications in effect on the date the application was filed. Permits may be issued for a period not to exceed five years and shall contain the Special Permit Conditions specified in Section (4) herein. Permits may be extended for additional five-year periods if the Director finds that the groundwater resource can probably support the extended use. Applications may be rejected or permit or certificate extensions may be denied if the aquifer displays any of the adverse impacts defined in OAR 690-08. Applications submitted after October 4, 1991 shall be processed according to the requirements of these rules and classifications. Within two years of permit issuance, the applicant shall prepare a plan for the Water Resources Commission which shall indicate the steps for obtaining an alternate long-term water supply.

- (d) Groundwater in the basalt aquifers in the Chehalem Mountain, Eola Hills and South Salem Hills Groundwater Limited Areas is classified for exempt uses, irrigation and rural residential fire protection systems only.

Permits may be issued, for a period not to exceed five years, for fire protection and for drip or equally efficient irrigation provided the Director finds the proposed use and amount do not pose a threat to the groundwater resource or existing permit holders. The amount of water used for irrigation shall be further limited to one (1) acre-foot per acre per year. Permits may be extended for additional five-year periods if the Director finds that the groundwater resource can probably support the extended use. Applications may be rejected or permit or certificate extensions may be denied if the aquifer displays any of the adverse impacts defined in OAR 690-08.

(A) The Chehalem Mountain Groundwater Limited Area is as described and shown in Exhibit 8. The Eola Hills Groundwater Limited Area is as described and shown in Exhibit 10. The South Salem Hills Groundwater Limited Area is as described and shown in Exhibit 11.

(B) Groundwater applications pending on October 4, 1991 shall be processed according to the classifications in effect on the date the application was filed. Permits may be issued for a period not to exceed five years and shall contain the Special Permit Conditions specified in Section (4) herein. Permits may be extended for additional five-year periods if the Director finds that the groundwater resource can probably support the extended use. Applications submitted after October 4, 1991 shall be processed according to the requirements of these rules and classifications. Within two years of permit issuance, the applicant shall prepare a plan for the Water Resources Commission which shall indicate the steps for obtaining an alternate long-term water supply.

(c) (A) Except as provided in paragraphs (B) and (C) of this subsection, groundwater from the basalt aquifers in the Sherwood - Dammasch - Wilsonville Groundwater Limited area as described and shown in Exhibit 6 is classified for exempt uses only.

(B) The unappropriated waters of the basalt groundwater sources in sections 5, 7 and 8, Township 3 South, Range 1 West, Willamette Baseline and Meridian, which lie above 300 feet elevation above mean sea level are withdrawn from further appropriation for all uses, including those exempt under ORS 537.545.

(C) The unappropriated waters of the basalt groundwater sources in sections 5, 7 and 8, Township 3 South, Range 1 West, Willamette Baseline and Meridian, which lie below 300 feet elevation above mean sea level are classified for exempt uses, domestic uses, and rural residential fire protection systems only.

(D) The withdrawal and classification established under paragraphs (B) and (C) of this subsection shall be in effect until March 13, 1994, and will be reviewed prior to that date by the Water Resources Commission.

(d) Groundwater in the basalt aquifers in the Chehalem Mountain, Eola Hills and South Salem Hills Groundwater Limited Areas is classified for exempt uses, irrigation and rural residential fire protection systems only.

Permits may be issued, for a period not to exceed five years, for fire protection and for drip or equally efficient irrigation provided the Director finds the proposed use and amount do not pose a threat to the groundwater resource or existing permit holders. The amount of water used for irrigation shall be further limited to one (1) acre-foot per acre per year. Permits may be extended for additional five-year periods if the Director finds that the groundwater resource can probably support the extended use. Applications may be rejected or permit or certificate extensions may be denied if the aquifer displays any of the adverse impacts defined in OAR 690-08.

(A) The Chehalem Mountain Groundwater Limited Area is as described and shown in Exhibit 8. The Eola Hills Groundwater Limited Area is as described and shown in Exhibit 10. The South Salem Hills Groundwater Limited Area is as described and shown in Exhibit 11.

(B) Groundwater applications pending on October 4, 1991 shall be processed according to the classifications in effect on the date the application was filed. Permits may be issued for a period not to exceed five years and shall contain the Special Permit Conditions specified in Section (4) herein. Permits may be extended for additional five-year periods if the Director finds that the groundwater resource can probably support the extended use. Applications submitted after October 4, 1991 shall be processed according to the requirements of these rules and classifications. Within two years of permit issuance, the applicant shall prepare a plan for the Water Resources Commission which shall indicate the steps for obtaining an alternate long-term water supply.

(e) Groundwater - surface water hydraulic connection:

These rules are in addition to the requirements of OAR 690-09. Groundwater in unconfined alluvium within one-quarter mile of the banks of a stream or surface water source is presumed to be in hydraulic connection with the surface water source, unless the applicant or appropriator provides satisfactory information or demonstration to the contrary. This hydraulically connected groundwater shall be classified the same as the surface source. This section shall not apply to those groundwater uses exempted by ORS 537.545.

Notwithstanding such classification, permits may be issued for the use of water from a well in an unconfined aquifer that is hydraulically connected to groundwater, within a quarter mile of a stream, provided that surface water impacts are mitigated through storage releases.

(3) Special Columbia River Basalt Group Aquifer Permit Conditions:

New permits issued to appropriate groundwater from Columbia River Basalt Group aquifers shall be specially conditioned. The conditions shall specify:

- (a) A static water level measurement be made and submitted before any use of water may commence at the well.
- (b) The permittee/appropriator install a meter or other suitable measuring device approved by the Director and submit an annual report of water used to the Department.
- (c) Limits on acceptable amounts of depletion and interference with other users.

(d) Use of water from the well be controlled or shut off if limits specified in the permit to protect the resource from depletion, and prior appropriators from interference, are exceeded.

(e) The Department shall determine, from measurements submitted by the permittee/appropriator, or other data on file in the department, the initial and subsequent water levels from which the previously cited declines are referenced.

(f) Following the issuance of a permit, the permittee/appropriator shall measure the water levels in the permitted well each year between March 1 and March 31 (spring high-water level) and submit the data to the Department within 90 days of measurement. Water level measurements shall be made by a certified water rights examiner, licensed water well driller, licensed pump installer, registered geologist, licensed land surveyor, registered professional engineer or the permittee/appropriator.

(g) Any other conditions derived from OAR 690-08 as deemed necessary to protect the groundwater resource.

**(4) Special Permit Conditions:**

New permits issued to appropriate groundwater from aquifers within the Sandy - Boring Groundwater Limited Area and the Troutdale aquifer in the Damascus Groundwater Limited Area shall be specially conditioned. The conditions shall specify:

(a) A static water level measurement be made and submitted before any use of water may commence at the well.

(b) Limits on acceptable amounts of depletion and interference with other users.

(c) Use of water from the well be controlled or shut off if limits specified in the permit to protect the resource from depletion, and prior appropriators from interference, are exceeded.

(d) The Department shall determine, from measurements submitted by the permittee/appropriator, or other data on file in the department, the initial and subsequent water levels from which the previously cited declines are referenced.

(e) Following the issuance of a permit, the permittee/appropriator shall measure the water levels in the permitted well each year between March 1 and March 31 (spring high water level) and submit the data to the Department within 90 days of measurement. Water level measurements shall be made by a certified water rights examiner, licensed water well driller, licensed pump installer, registered geologist, licensed land surveyor, registered professional engineer or the permittee/appropriator.

(f) Any other conditions as specified in OAR 690-08 as deemed necessary to protect the groundwater resource.

EXHIBITS  
(OAR 690-502-160)

Exhibit 1

Sandy - Boring Groundwater Limited Area: The aquifer of concern is within the Troutdale Formation.

The boundary of the overall area is as follows:

Beginning at the north quarter corner of Section 25, T1S, R3E, WM, said point being on the Clackamas - Multnomah County line, thence east along the county line to a point at an elevation of 600 feet mean sea level, near the intersection of the county line and Dodge Park Boulevard, thence southerly along the 600 foot elevation contour to Tickle Creek, near the east quarter corner of Section 14, T2S, R4E, WM, thence westerly along Tickle Creek and Deep Creek to the mouth of North Fork Deep Creek, thence northeasterly along North Fork Deep Creek to the north - south center line of Section 1, T2S, R3E, WM, thence north to the point of beginning.

The boundary of the Special Deep Troutdale Aquifer Area is as follows:

Beginning at the north quarter corner of Section 1, T2S, R3E, WM, thence east along the section line to the north quarter corner of Section 3, T2S, R4E, WM, thence south to the south quarter corner of said Section 3, thence west along the section line to the southwest corner of said Section 3, thence south along the section line to a tributary of Tickle Creek near the west quarter corner of Section 10, T2S, R4E, WM, thence westerly along the channels of the tributary and Tickle Creek to the south line of Section 7, T2S, R4E, WM, thence northwesterly to the south quarter corner of Section 1, T2S, R3E, WM, thence north to the point of beginning.

# Sandy-Boring Limited Groundwater Area

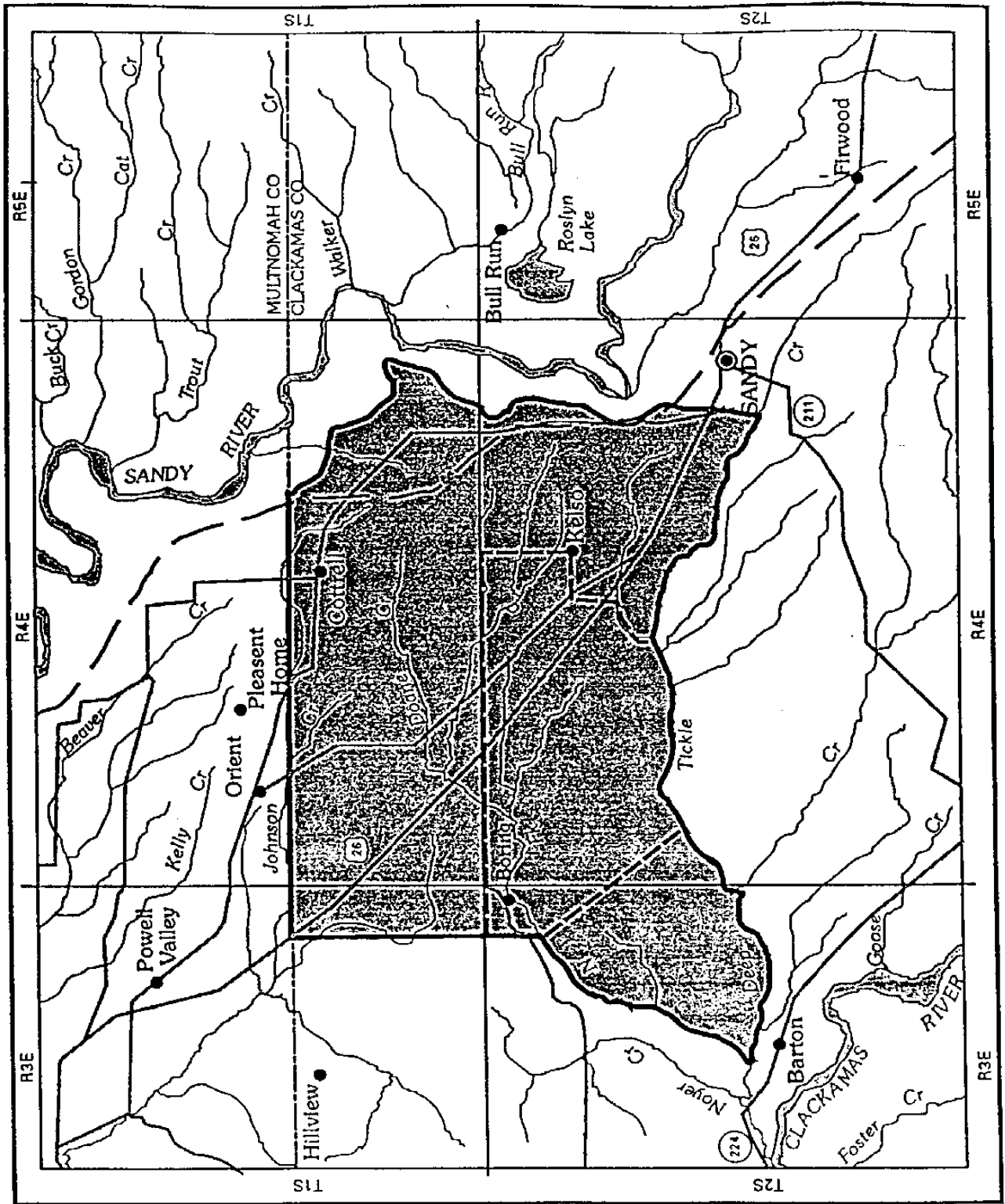


Exhibit 2

Damascus Groundwater Limited Area: The aquifers of concern are within the Columbia River Basalt Group and Troutdale Formation.

The boundary of the area is as follows:

- Beginning at the intersection of Clackamas River and the west line of Section 18, T2S, R3E, WM, thence northerly along the section line to the northwest corner of Section 30, T1S, R3E, WM, thence easterly along the section line to the northeast corner of section 27, T1S, R3E, WM, thence southerly along the section line to the intersection of Section 15, T2S, R3E, WM and Clackamas River, thence westerly along the main channel of Clackamas River to the point of beginning.

# Damascus Limited Groundwater Area

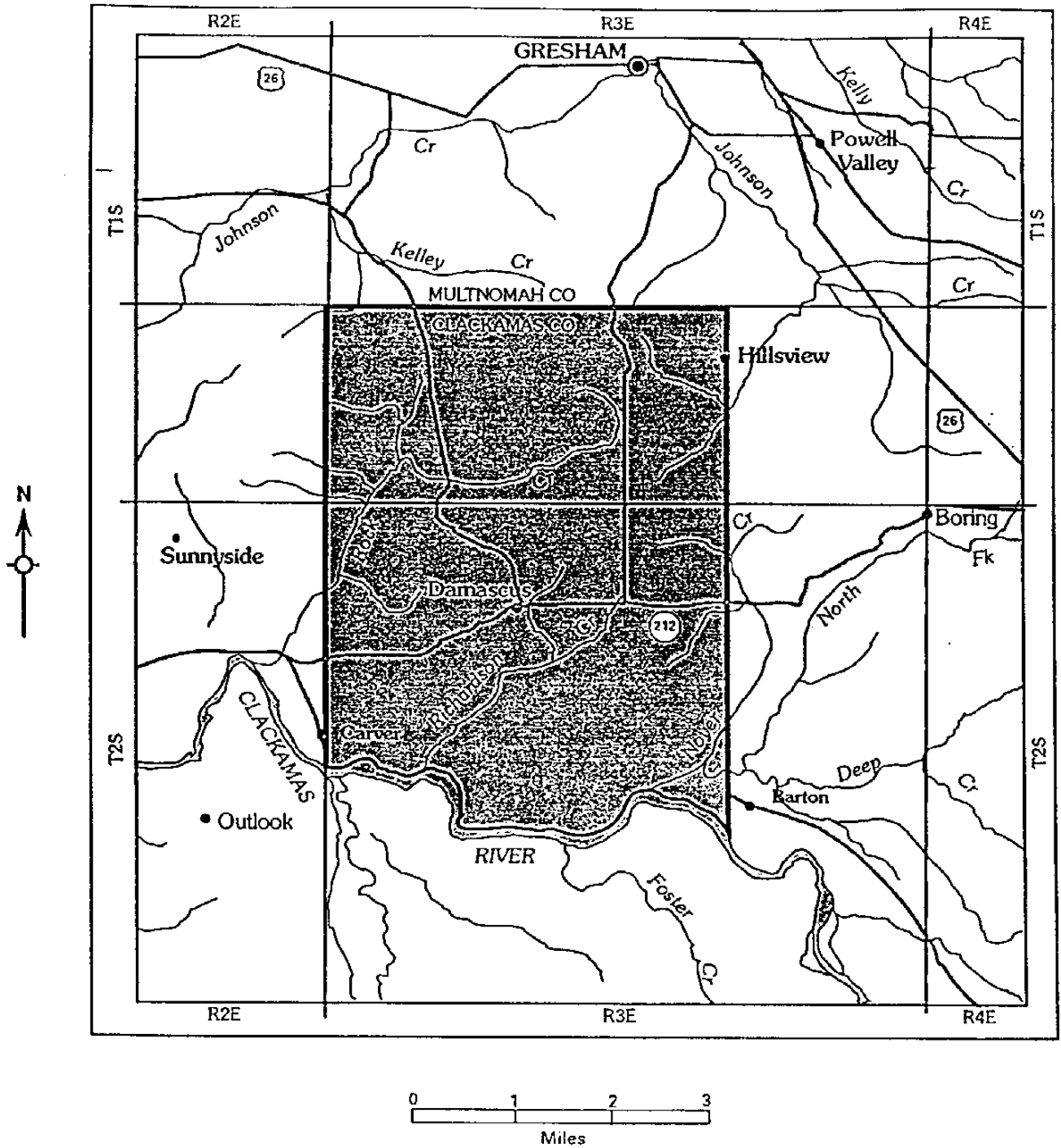




Exhibit 3

Gladtidings Groundwater Limited Area: The aquifer of concern is within the Columbia River Basalt Group.

The boundary of the area is as follows:

- Beginning at the northwest corner of Section 15, T5S, R1E, WM, thence east along the section line to the northeast corner of Section 15, T5S, R2E, WM, thence south along the section line to the southeast corner of Section 27, T5S, R2E, WM, thence west along the section line to the southwest corner of Section 29, T5S, R1E, WM, thence north along the section line to the northwest corner of Section 20, T5S, R1E, WM, thence east along the section line to the northwest corner of Section 22, T5S, R1E, WM, thence north along the section line to the point of beginning.

# Gladtidings Limited Groundwater Area

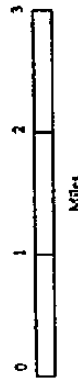
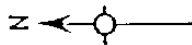
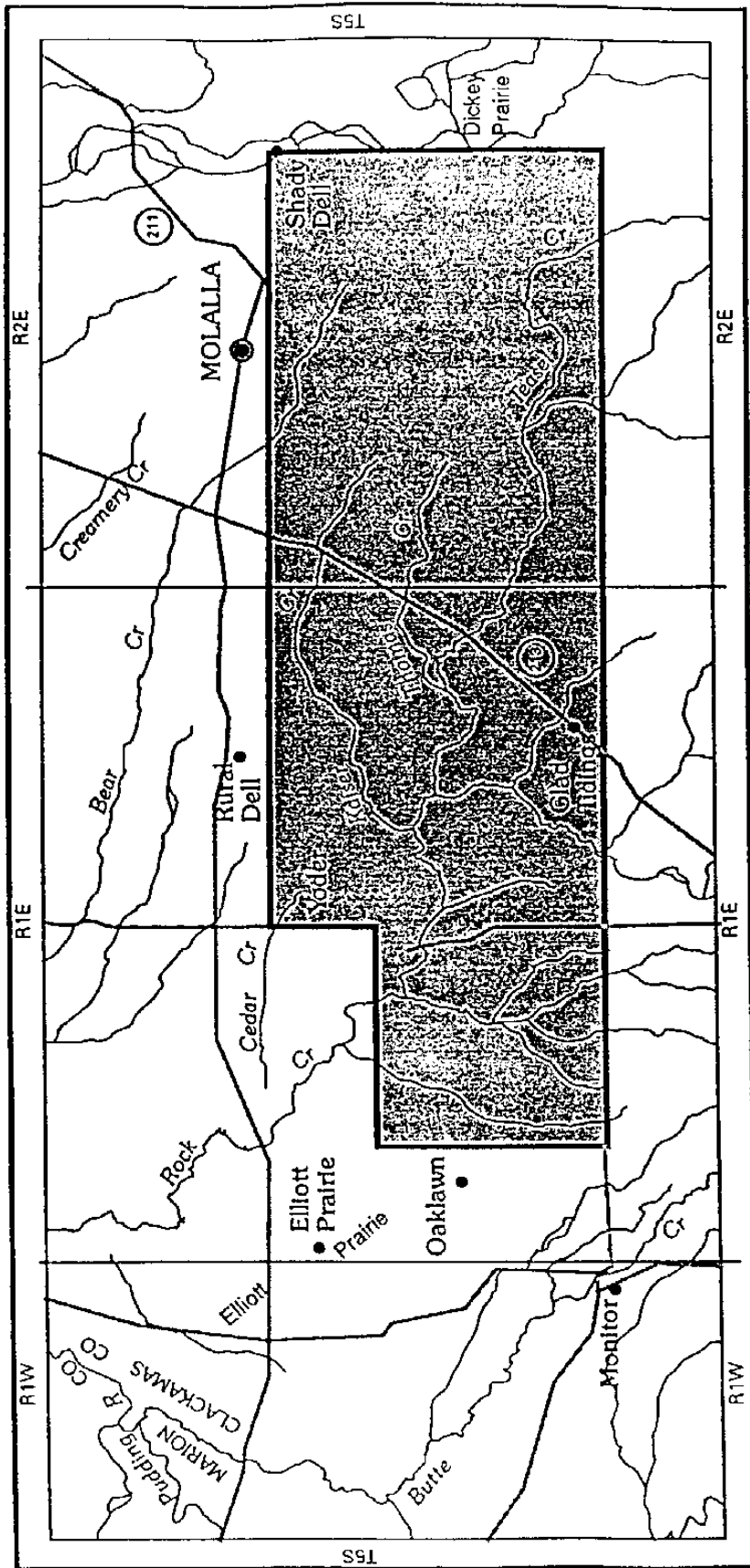


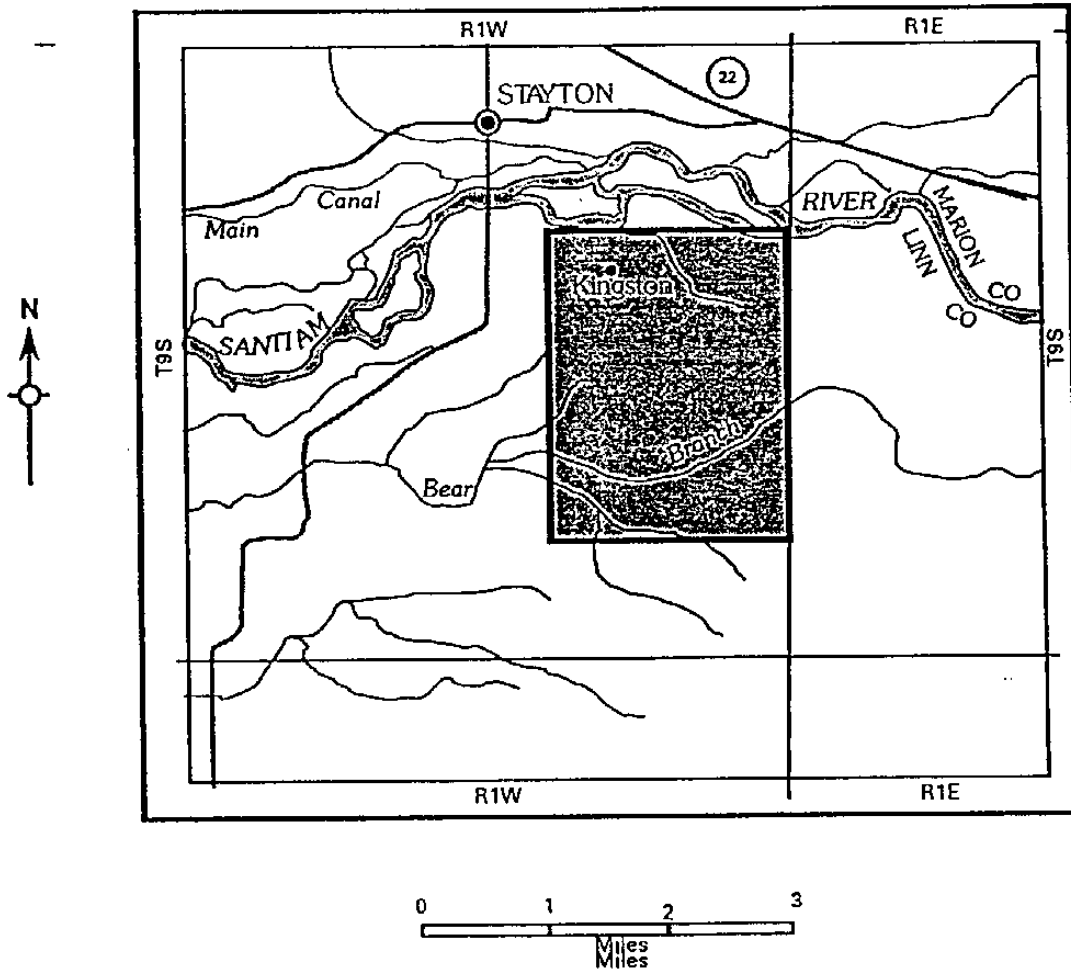
Exhibit 4

Kingston Groundwater Limited Area: The aquifer of concern is within the Columbia River Basalt Group.

The boundary of the area is as follows:

- Beginning at the northwest corner of the southwest quarter of Section 14, T9S, R1W, WM, thence easterly along the center line of Section 14 and 13 to the northeast corner of the southeast quarter of Section 13, T9S, R1W, WM, thence south along the section line to the southeast corner of Section 25, T9S, R1W, WM, thence west along the section line to the southwest corner of Section 26, T9S, R1W, WM, thence north along the section line to the point of beginning.

# Kingston Limited Groundwater Area



## Exhibit 5

Mt. Angel Groundwater Limited Area: The aquifer of concern is within the Columbia River Basalt Group.

The Mt. Angel area includes: Section 35 in T5S, R1W, WM, Sections 2,3, 4, 10, 11, 12, 13, 14, and 24 in T6S, R1W, WM, and Sections 7, 8, 17, 18, 19 and 20 in T6S, R1E, WM.

# Mt. Angel Limited Groundwater Area

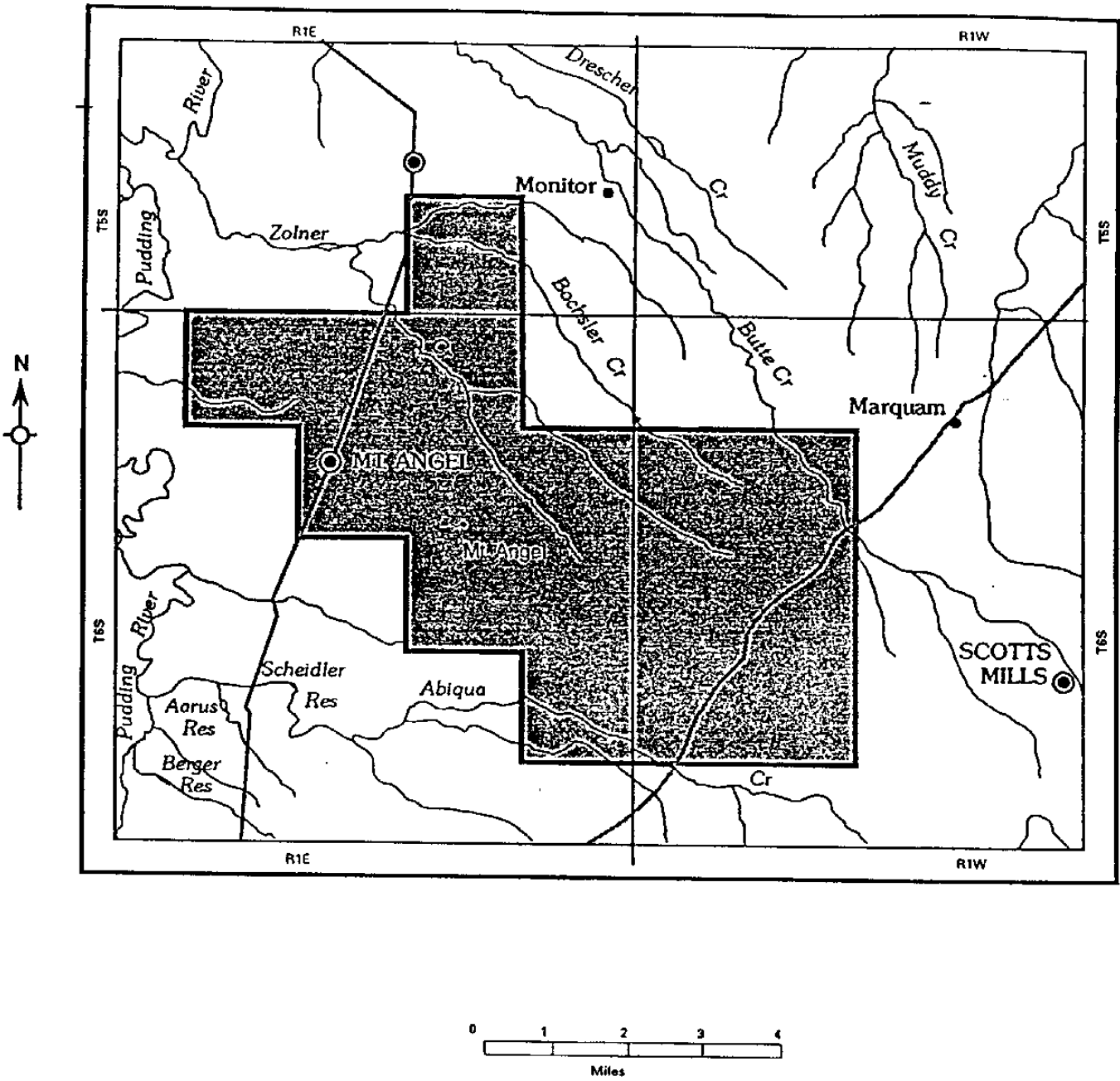


Exhibit 6

Sherwood - Dammasch - Wilsonville Groundwater Limited Area: The aquifer of concern is within the Columbia River Basalt Group.

The boundary of the area is as follows:

- Beginning at the southwest corner of Section 31, T3S, R1W, WM, thence northerly along the section line to its intersection with U. S. Highway 99, thence northeasterly along said highway to its intersection with the south boundary of the Cooper Mountain - Bull Mountain Critical Groundwater Area, thence easterly along said south boundary to the east line of Section 14, T2S, R1W, WM, thence downstream along the main channel of the Tualatin River to its intersection with the Willamette River, thence upstream along the main channel of the Willamette River to the south line of aforesaid Section 31, thence westerly along the south line of Section 31 to the point of beginning.

Sherwood-Dammasch-Wilsonville Groundwater Limited Area

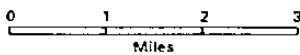
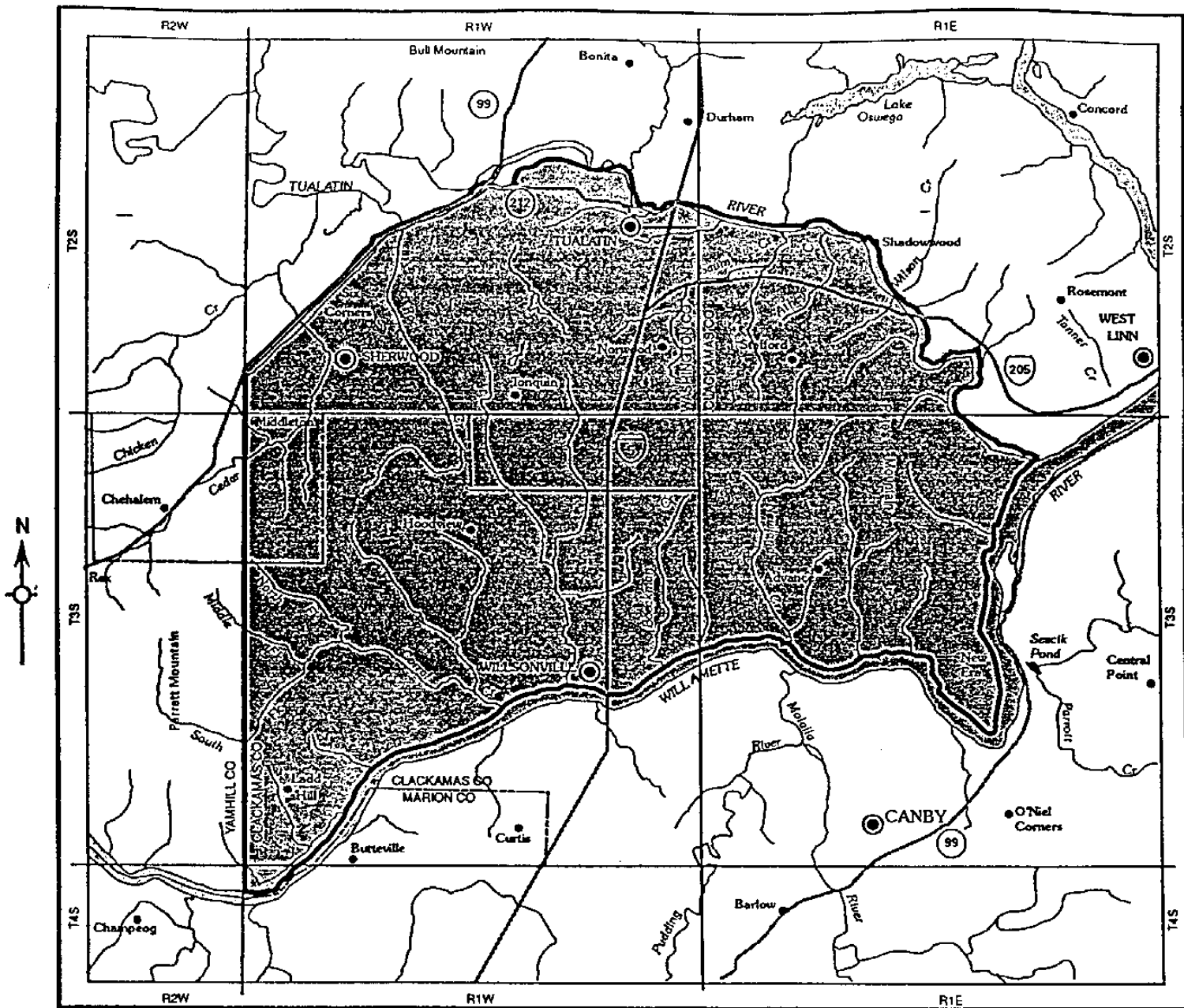




Exhibit 7

Stayton - Sublimity Groundwater Limited Area: The aquifer of concern is within the Columbia River Basalt Group.

The boundary of the area is as follows:

- Beginning at the northwest corner of Section 14, T8S, R2W, WM, thence east along the section line to the northeast corner of Section 15, T8S, R1E, WM, thence south along the section line to the southeast corner of Section 10, T9S, R1E, WM, thence west along the section line to the southwest line of Section 11, T9S, R2W, WM, thence north along the section line to the point of beginning.

# Stayton-Sublimity Limited Groundwater Area

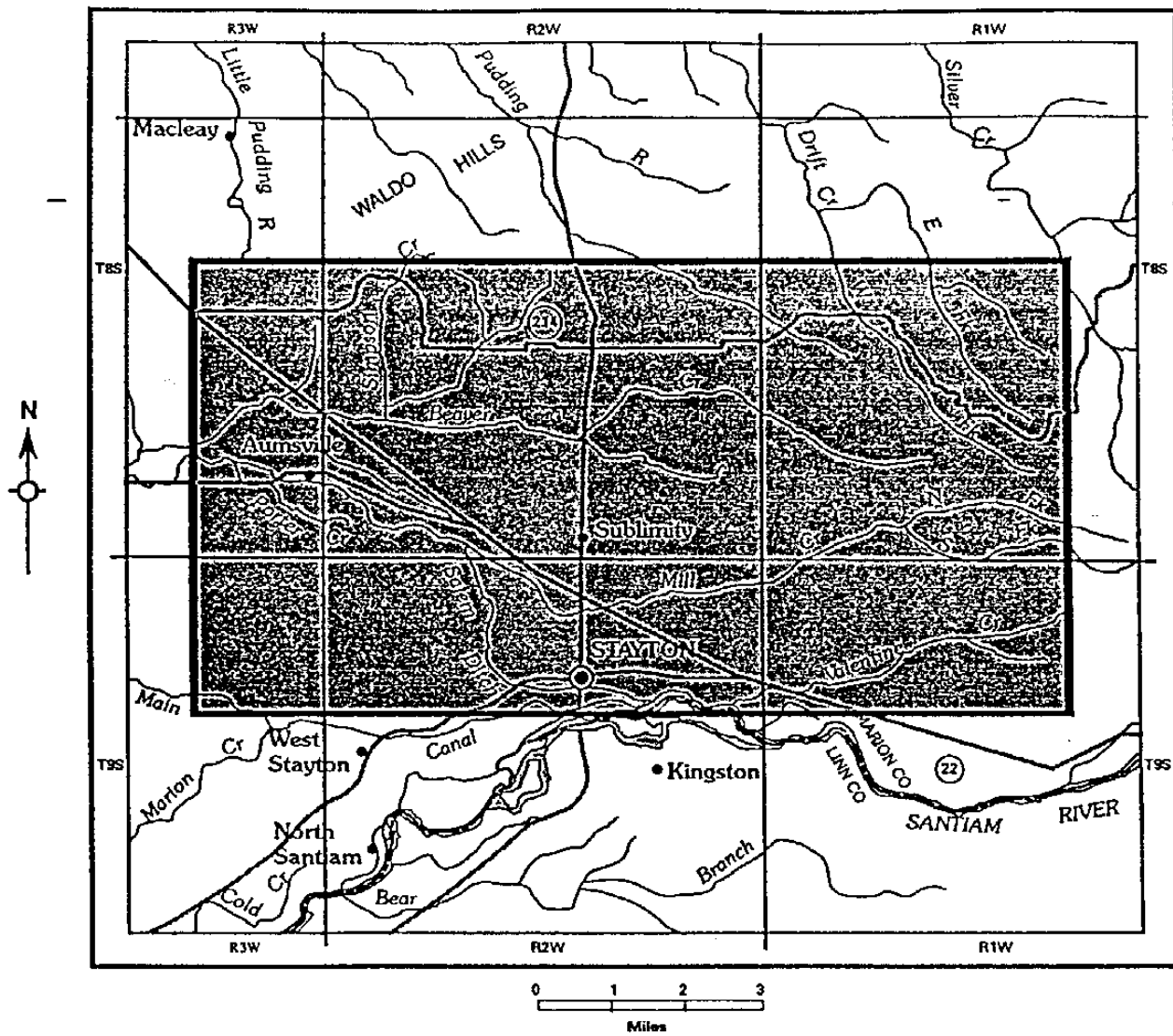


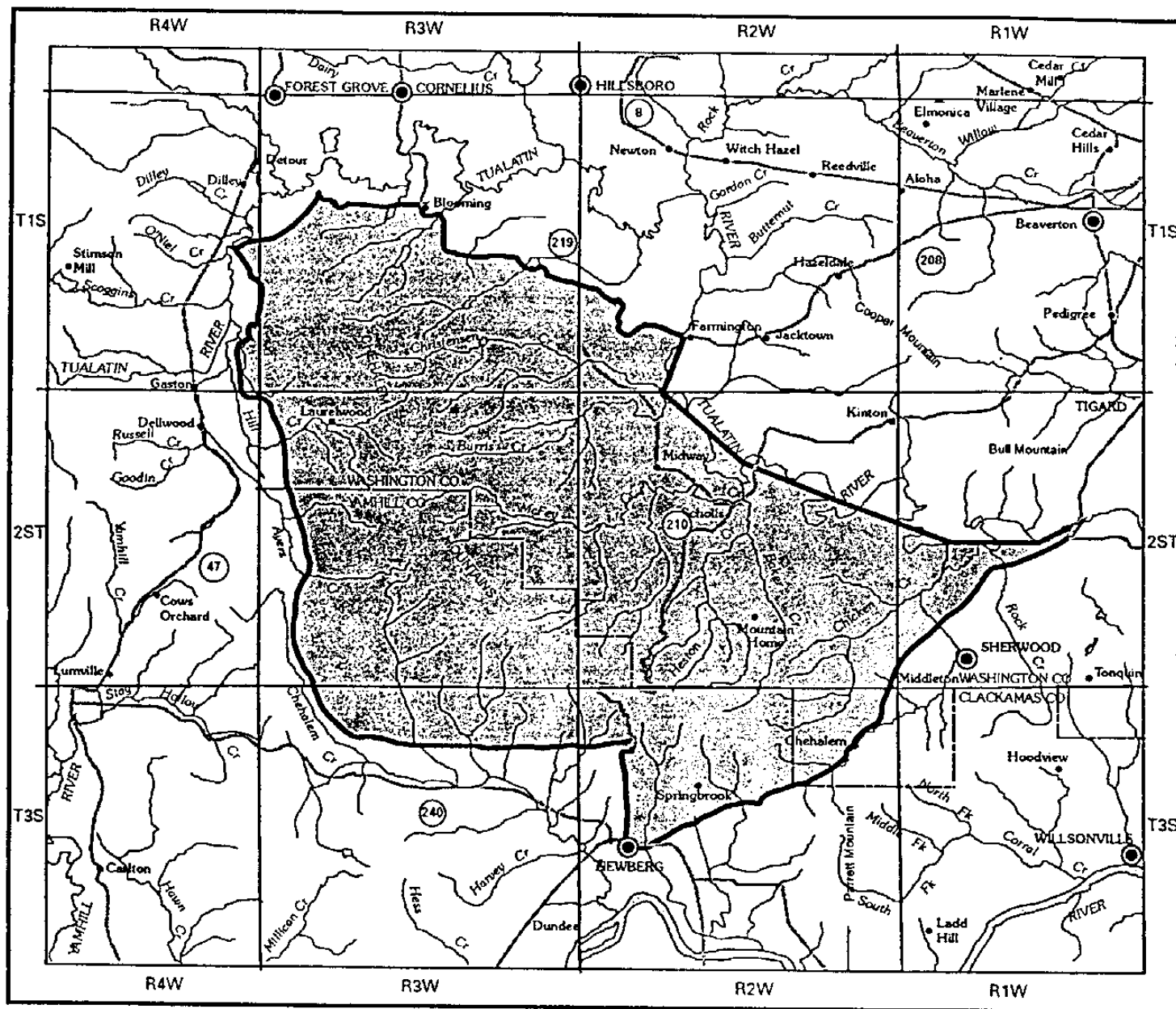
Exhibit 8

Chehalem Mountain Groundwater Limited Area: The aquifer of concern is within the Columbia River Basalt Group.

The boundary of the area is as follows:

Beginning at the intersection of U. S. Highway 99W and State Highway 219 in Newberg, thence northerly along Highway 219 to North Valley Road, thence westerly along North Valley Road to Spring Hill Road, thence northerly along Spring Hill Road to Blooming-Fern Hill Road, thence easterly along Blooming-Fern Hill Road to Golf Course Road, thence south along Golf Course Road to Tongue Lane, thence east along Tongue Lane to Johnson School Road, thence southerly and easterly along Johnson School Road to Simpson Road, thence southerly along Simpson Road to State Highway 219, thence southerly along State Highway 219 to State Highway 208, thence easterly along State Highway 208 to the westerly boundary of the Cooper Mountain - Bull Mountain Critical Groundwater Area, thence southeasterly along the southern boundary of the Critical Groundwater Area to U. S. Highway 99W, thence southwesterly along U. S. Highway 99W to the point of beginning.

# Chehalem Mountain Limited Groundwater Area



## Exhibit 9

Parrett Mountain Groundwater Limited Area: The aquifer of concern is within the Columbia River Basalt Group.

The boundary of the area is as follows:

— Beginning at the Northwest corner of Section 6, T4S, R1W, WM, thence southerly to the main channel of the Willamette River, thence upstream along the main channel of the Willamette River to a point directly north of the west line of Champoeg State Park, thence north to Wilsonville Road, thence northerly along Wilsonville Road to Ladd Road, thence northerly along Ladd Road to U. S. Highway 99W, thence northeasterly along U. S. Highway 99W to the west line of Section 31, T2S, R1W, WM, thence southerly along the section line to the point of beginning.

Parrett Mtn. Limited Groundwater Area

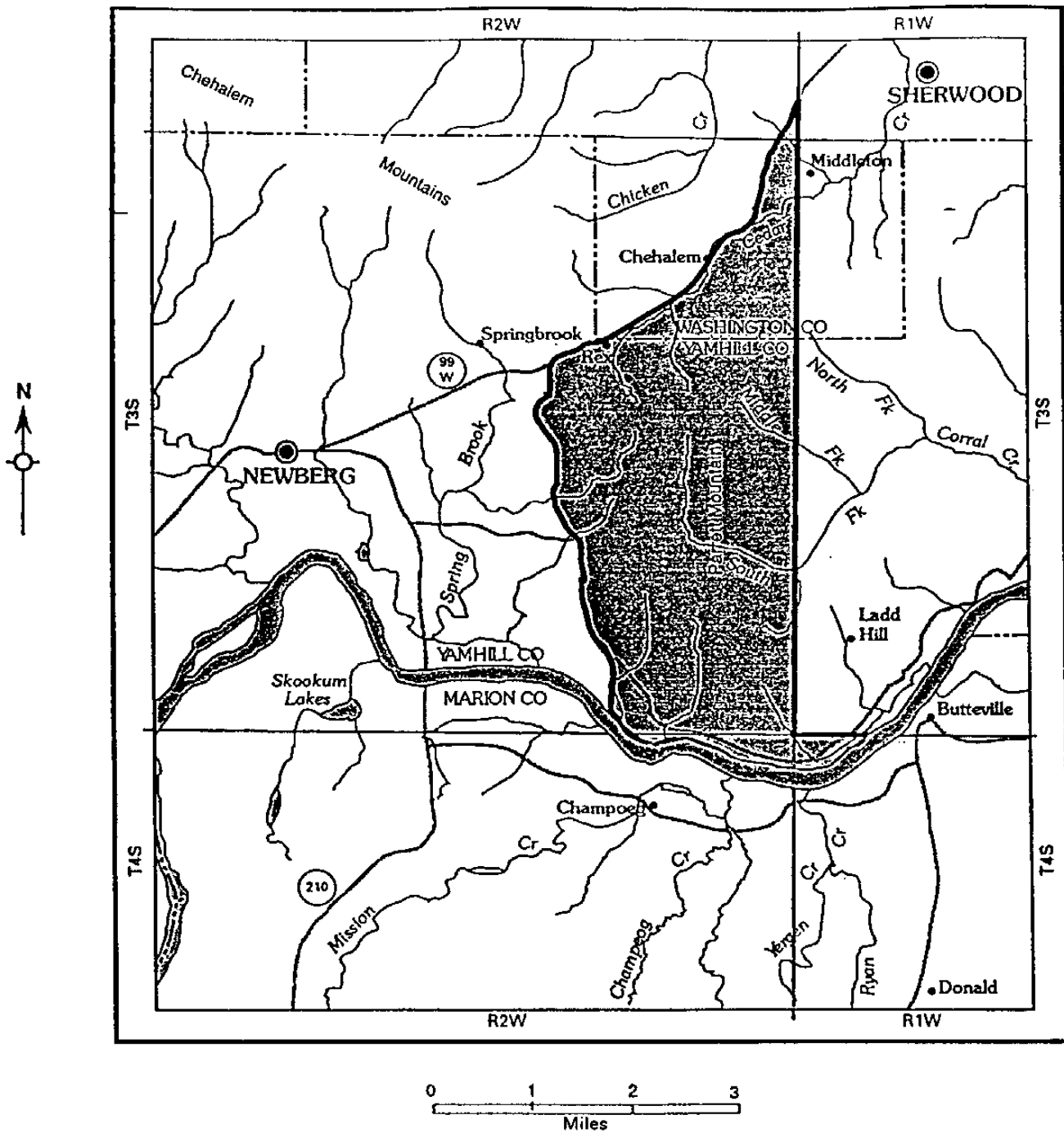
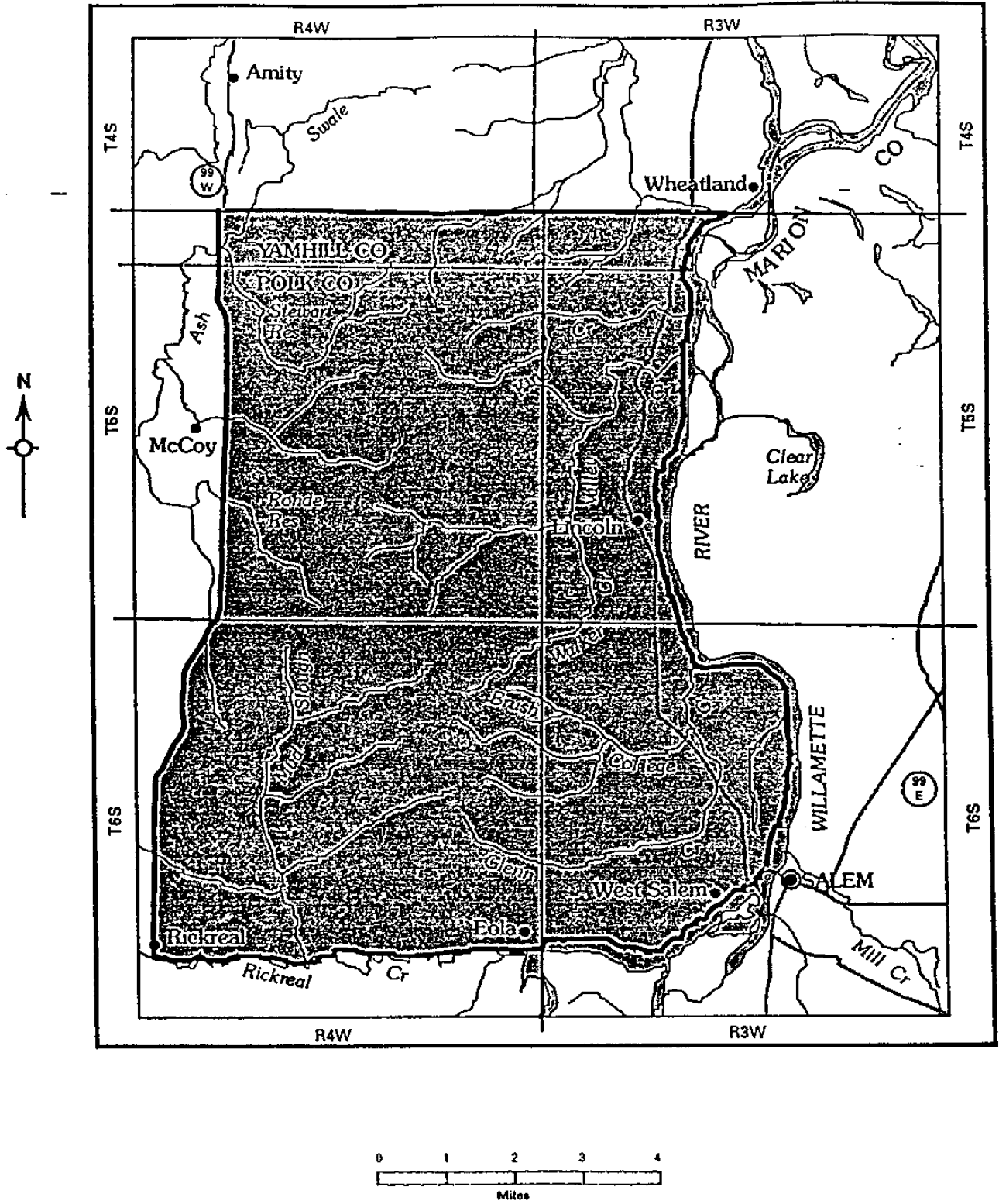


Exhibit 10

**Eola Hills Groundwater Limited Area:** The aquifer of concern is within the Columbia River Basalt Group.

The boundary of the Eola Hills area is as follows: Beginning at the intersection of the south line of Township 5 South and U. S. Highway 99W, thence east along the township line to the Willamette River, thence southerly to Oregon State Highway 22, thence westerly to U. S. Highway 99W, thence northerly along Hwy 99W to the point of beginning.

# Eola Hills Limited Groundwater Area





## Exhibit 11

South Salem Hills Groundwater Limited Area: The aquifer of concern is within the Columbia River Basalt Group.

The boundary of the South Salem Hills area is as follows: Beginning at the intersection of the north line of Township 8 South and the Oregon Electric right-of-way, thence east along the township line to the Southern Pacific right-of-way, thence southerly along the right-of-way to Talbot Road, thence westerly along Talbot Road to the Oregon Electric right-of-way, thence northerly along the right-of-way to the point of beginning.

South Salem Hills Limited Groundwater Area

