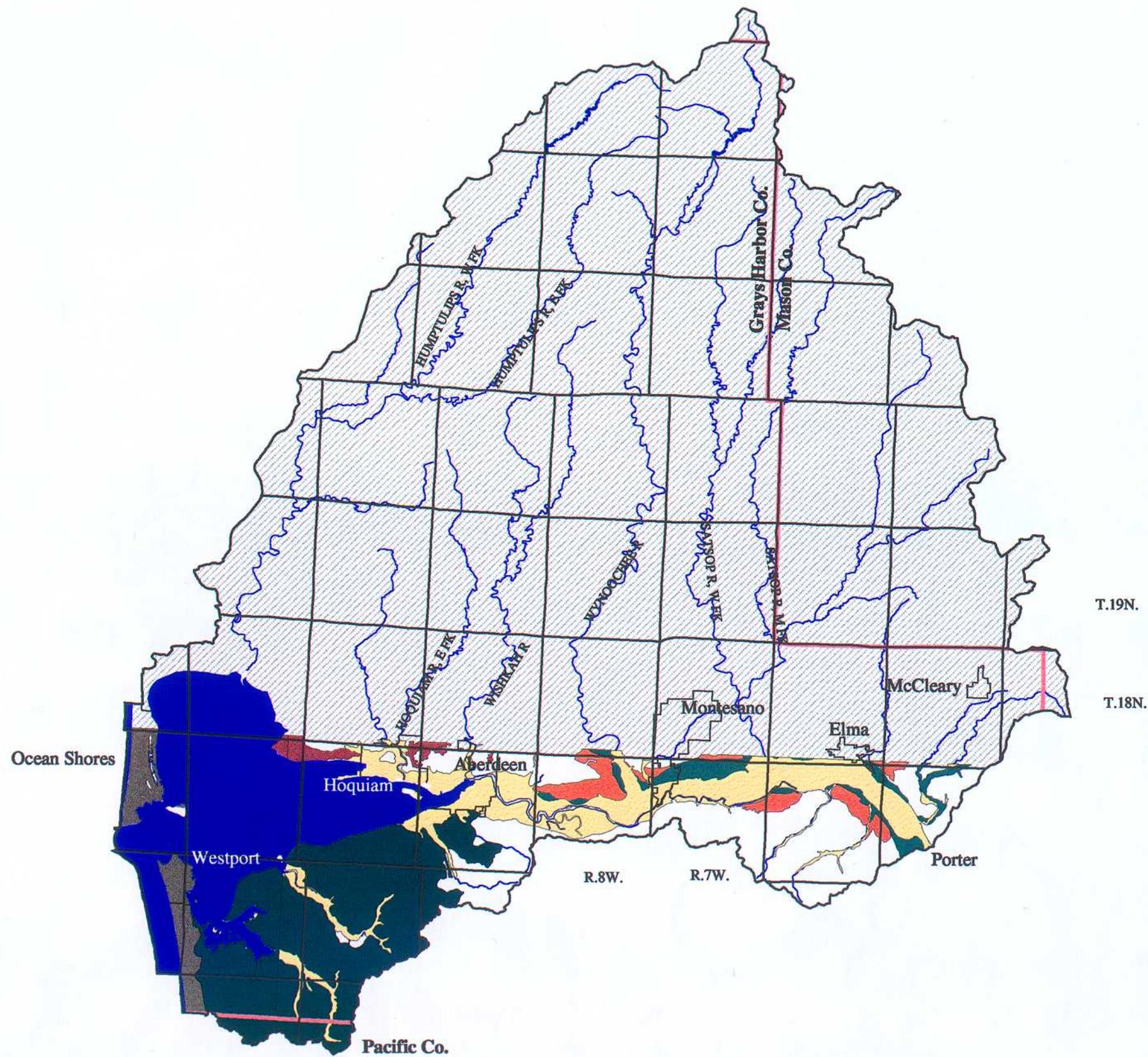


Legend

-  Watershed Boundary
-  Water Bodies
-  Major Roads
-  Rivers
-  County Boundary
-  Township Boundary
-  Cities



Figure 1
Chehalis River Watershed

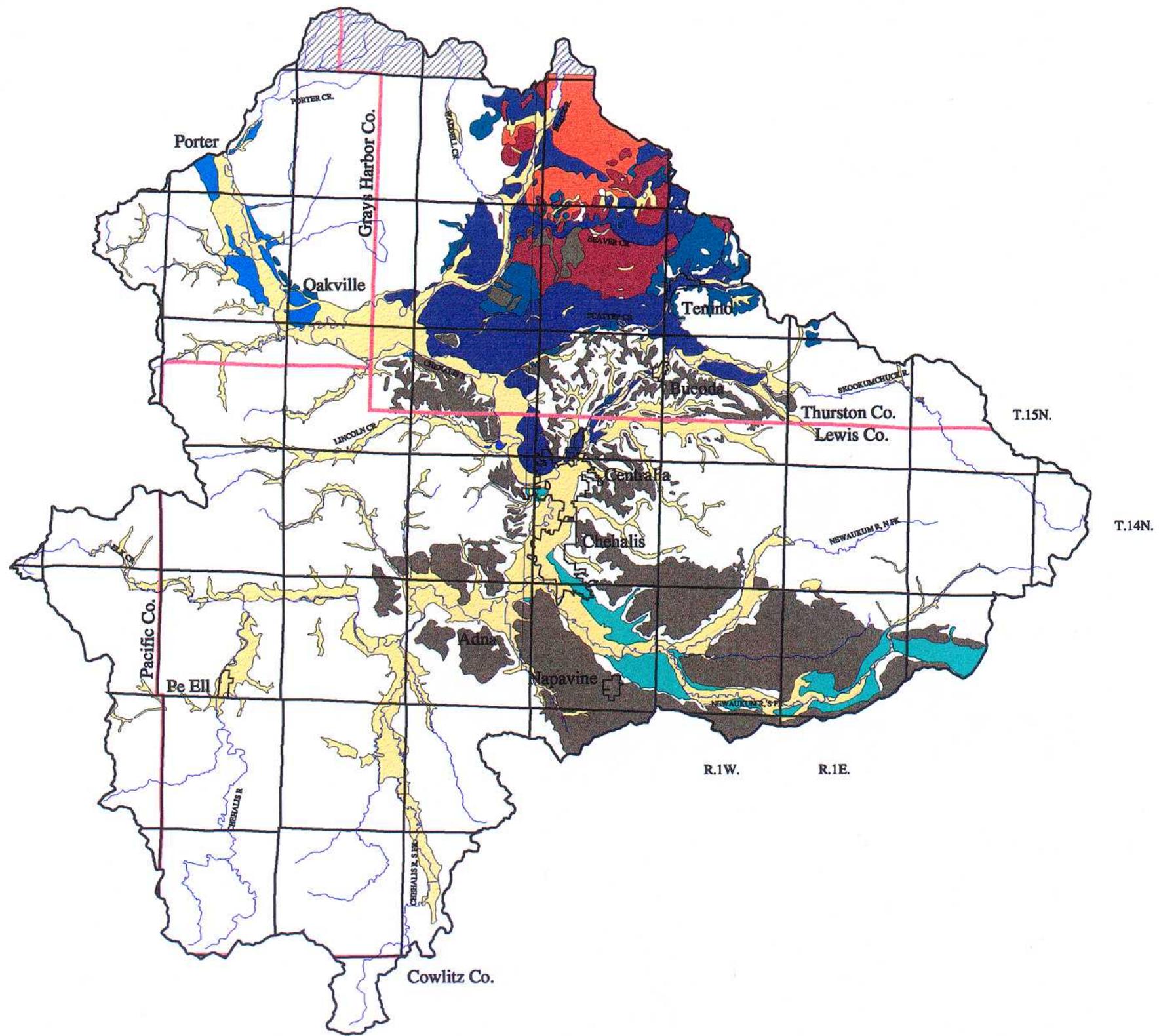


Legend

- Grays Harbor
- Township Boundary
- Cities
- Rivers and Streams
- County Boundary
- Geologic Units**
- Qa - Quaternary alluvium
- Qapo(lh) - Logan Hill Formation
- Ob - Beach deposits
- Ogo(v) - Vashon undifferentiated outwash
- Ogog(v) - Vashon outwash gravel
- Ogos(v) - Vashon outwash sand
- Ogp - Penultimate Drift
- Ogt(v) - Vashon till
- Ooa - Older alluvium
- Qt - Terrace deposits
- Tbu - Undifferentiated Bedrock
- Digital Geology Unavailable



Figure 2A
Surficial Geology, Lower
Chehalis River Watershed



- ### Legend
- Township Boundary
 - Rivers and Streams
 - County Boundary
 - Cities and Towns
 - Geologic Units**
 - Qa - Quaternary alluvium
 - Qapo(h) - Haden Ck. Drift
 - Qapo(lh) - Logan Hill Formation
 - Qb - Beach deposits
 - Qgo(v) - Vashon undifferentiated outwash
 - Qgog(v) - Vashon outwash gravel
 - Qgos(v) - Vashon outwash sand
 - Qgp - Penultimate Drift
 - Qgt(v) - Vashon till
 - Qoa - Older alluvium
 - Tbu - Undifferentiated Bedrock
 - Digital Geology Unavailable

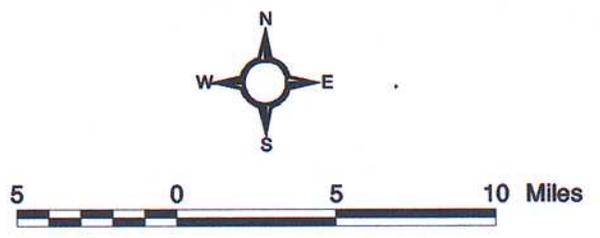


Figure 2B
Surficial Geology, Upper
Chehalis River Watershed

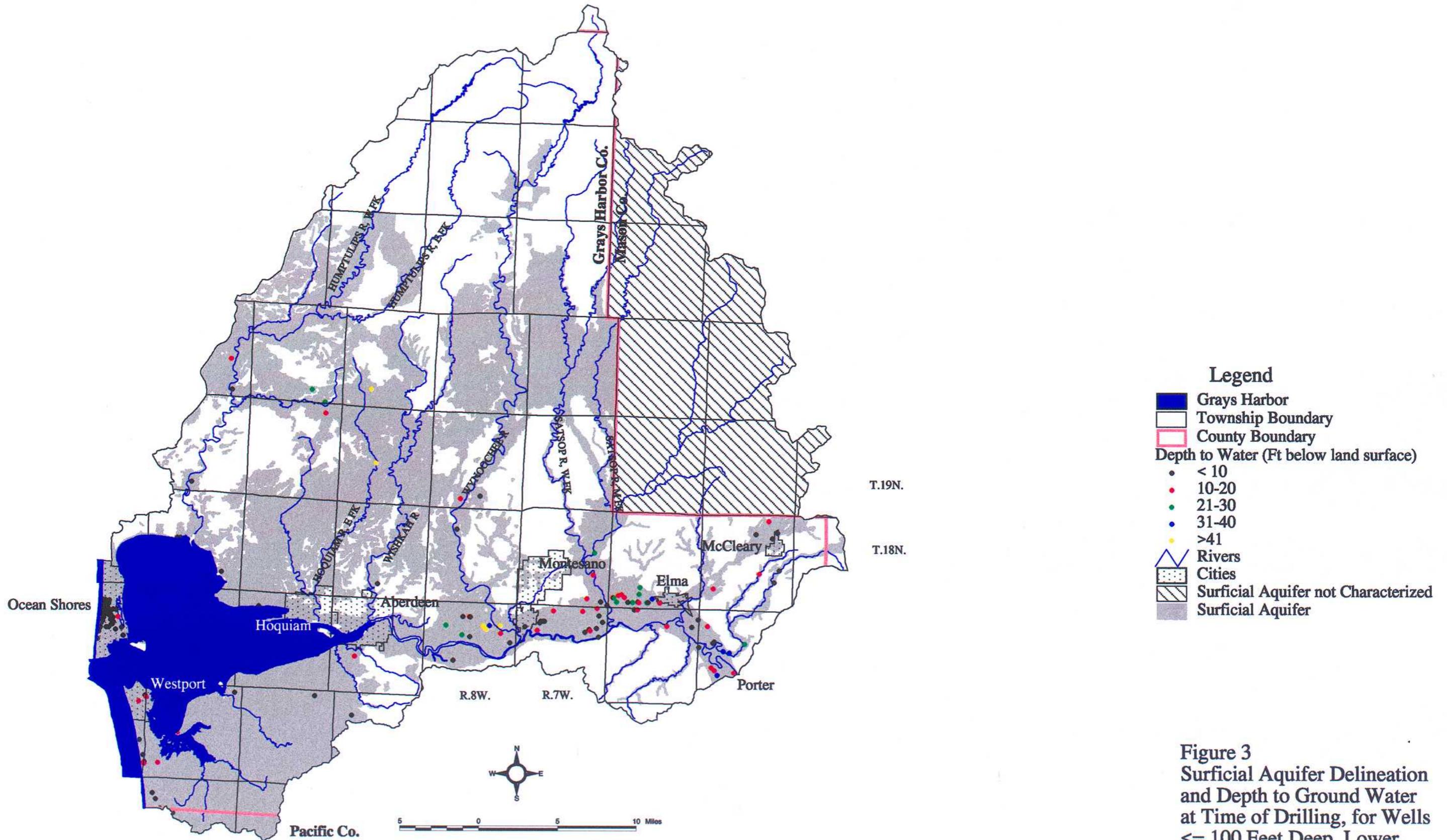
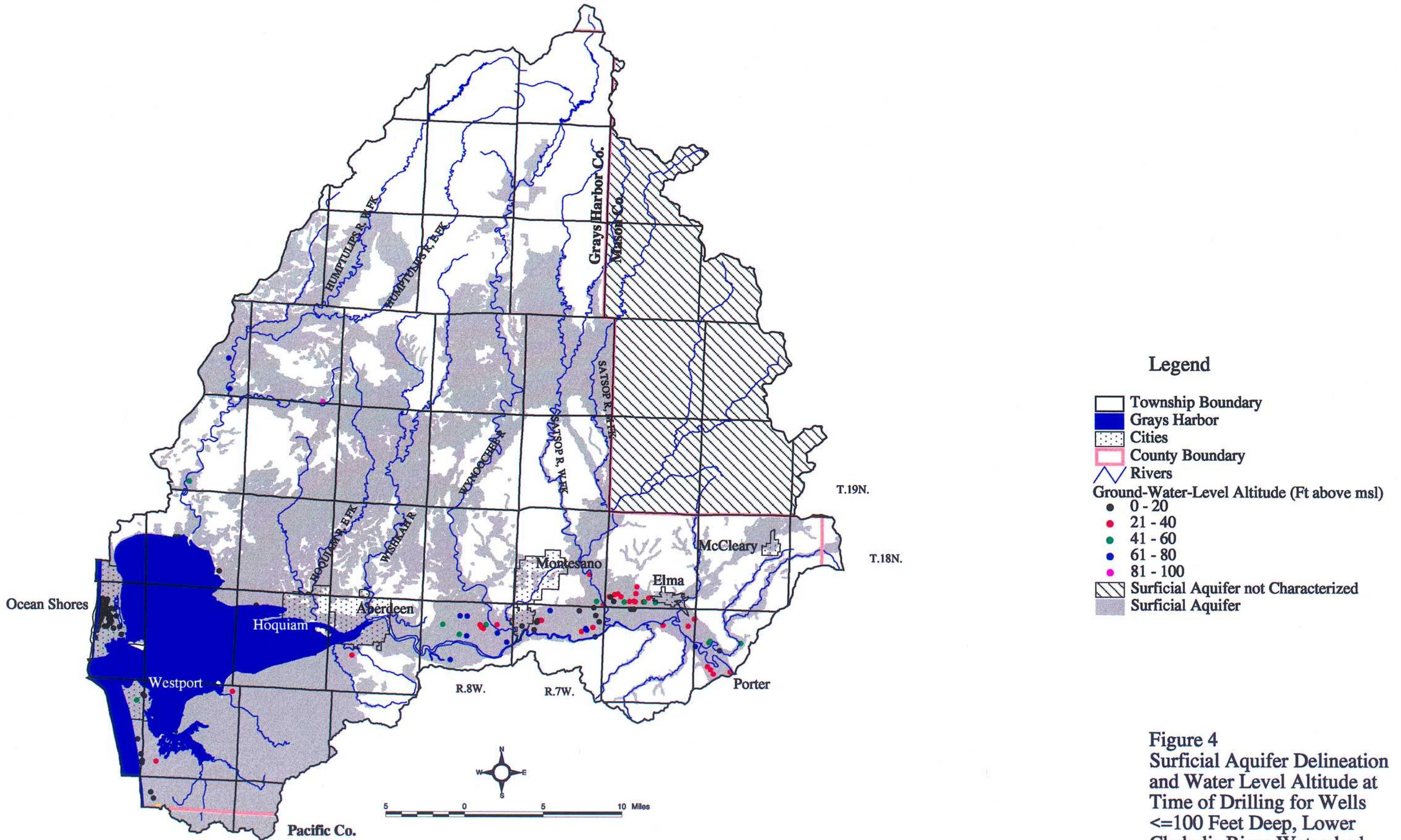


Figure 3
Surficial Aquifer Delineation
and Depth to Ground Water
at Time of Drilling, for Wells
<= 100 Feet Deep, Lower
Chehalis River Watershed



Legend

- Township Boundary
- Grays Harbor
- Cities
- County Boundary
- Rivers
- Ground-Water-Level Altitude (Ft above msl)**
- 0 - 20
- 21 - 40
- 41 - 60
- 61 - 80
- 81 - 100
- Surficial Aquifer not Characterized
- Surficial Aquifer

Figure 4
Surficial Aquifer Delineation
and Water Level Altitude at
Time of Drilling for Wells
<=100 Feet Deep, Lower
Chehalis River Watershed

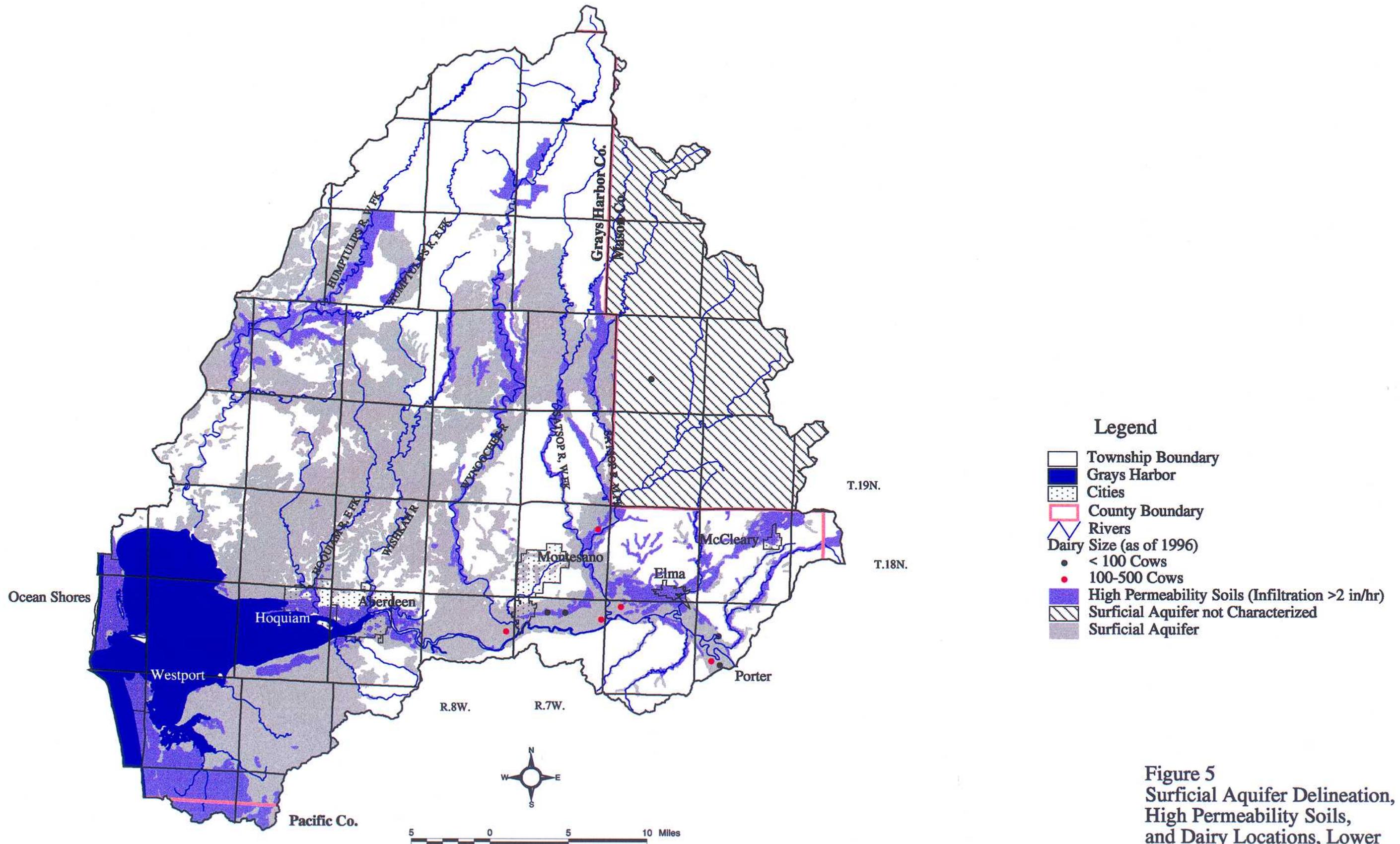


Figure 5
Surficial Aquifer Delineation,
High Permeability Soils,
and Dairy Locations, Lower
Chehalis River Watershed

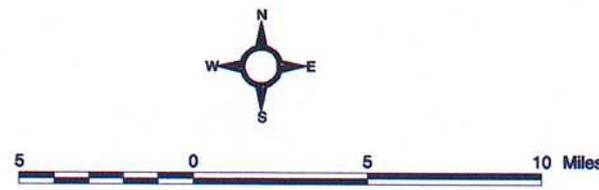
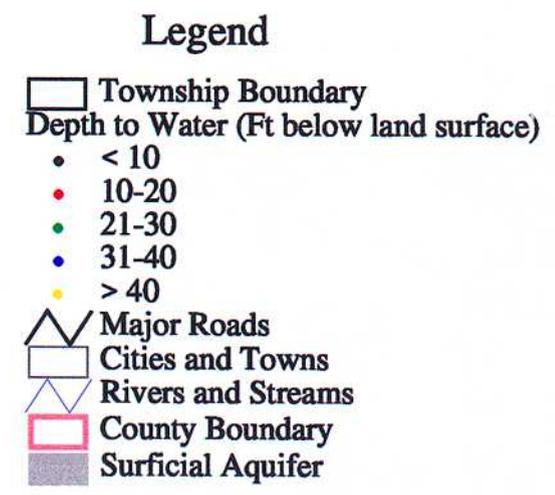
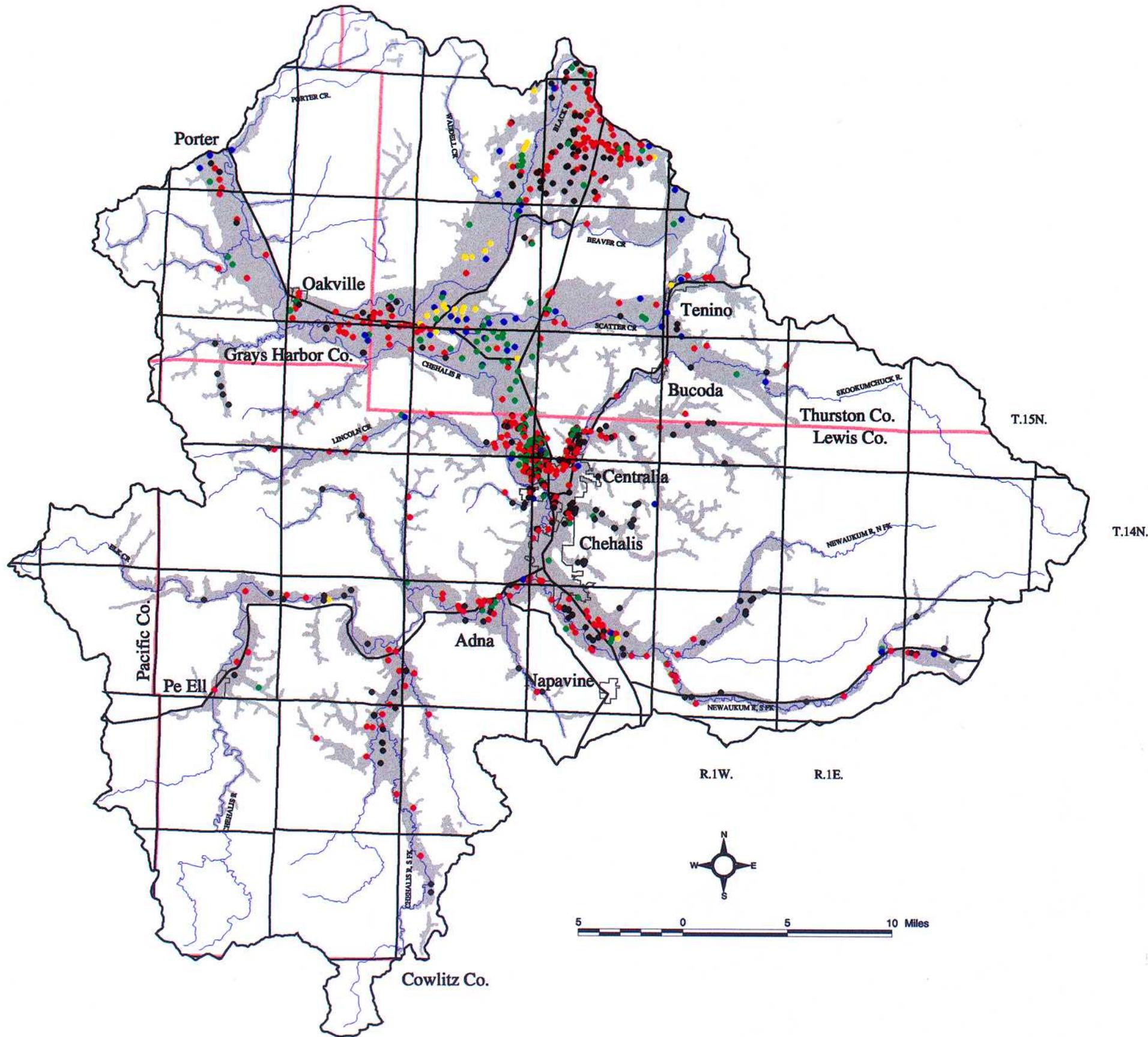


Figure 6
 Surficial Aquifer Delineation
 and Depth to Ground Water
 at Time of Drilling, for
 Wells ≤ 100 Feet Deep,
 Upper Chehalis River
 Watershed

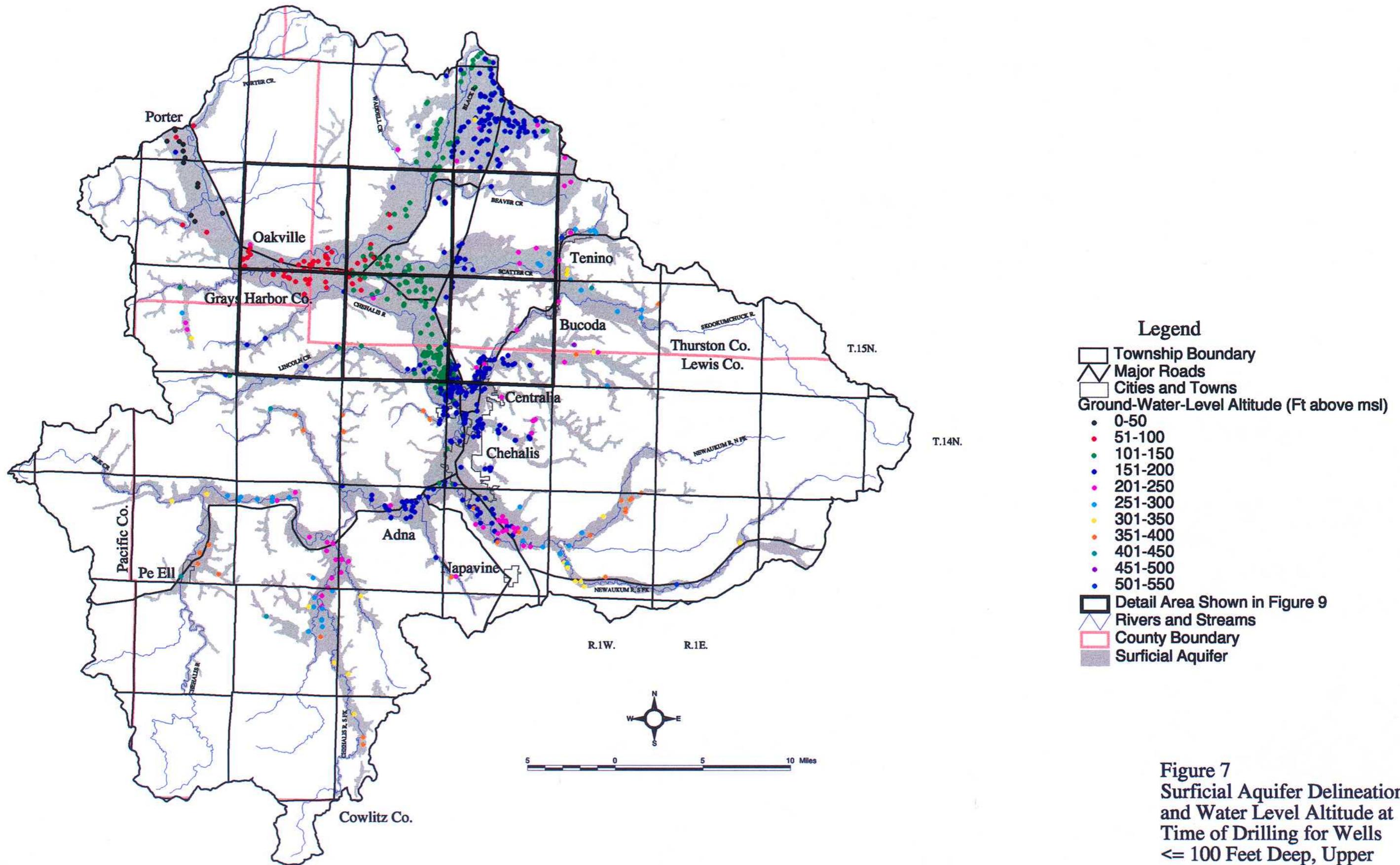
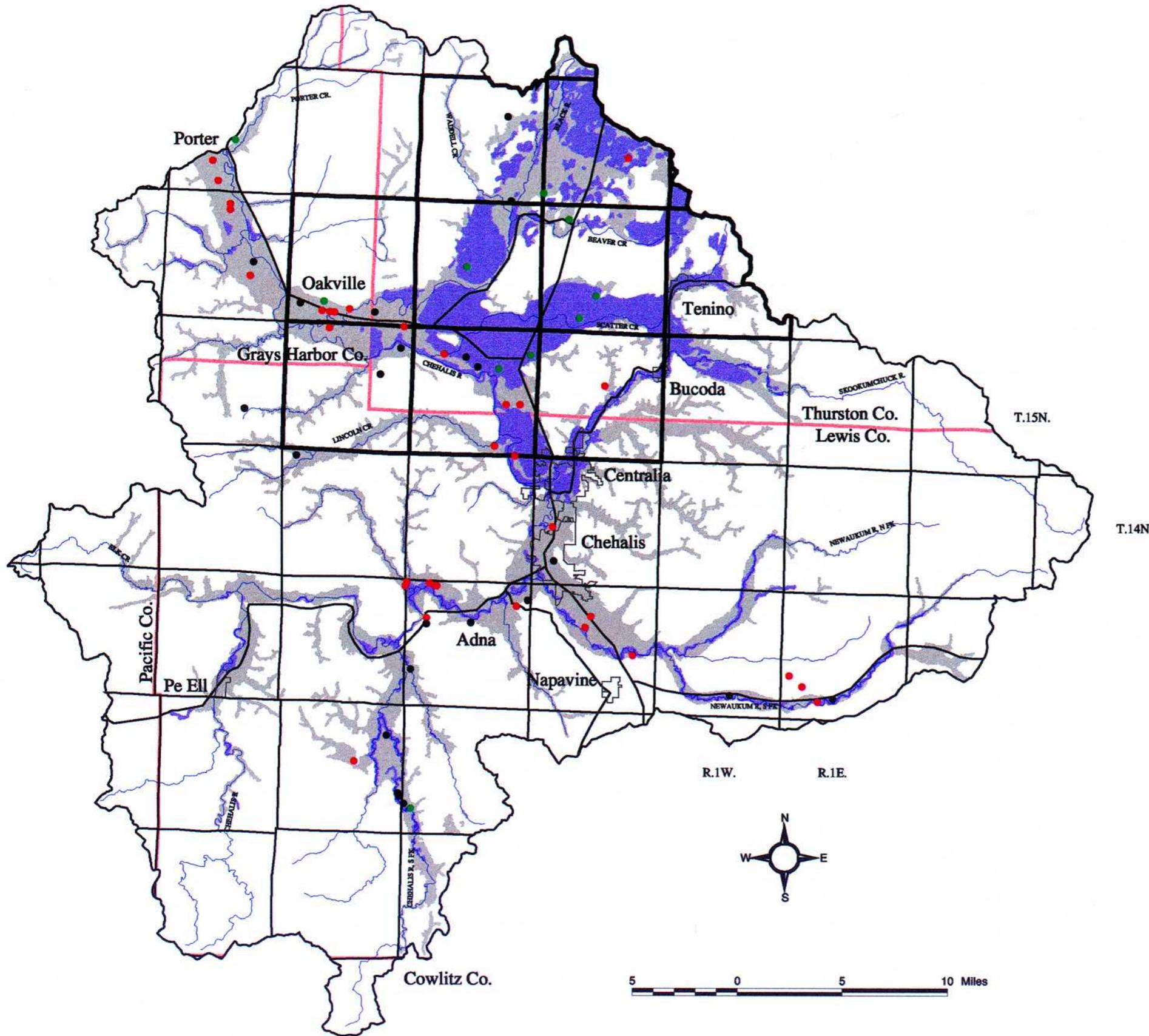
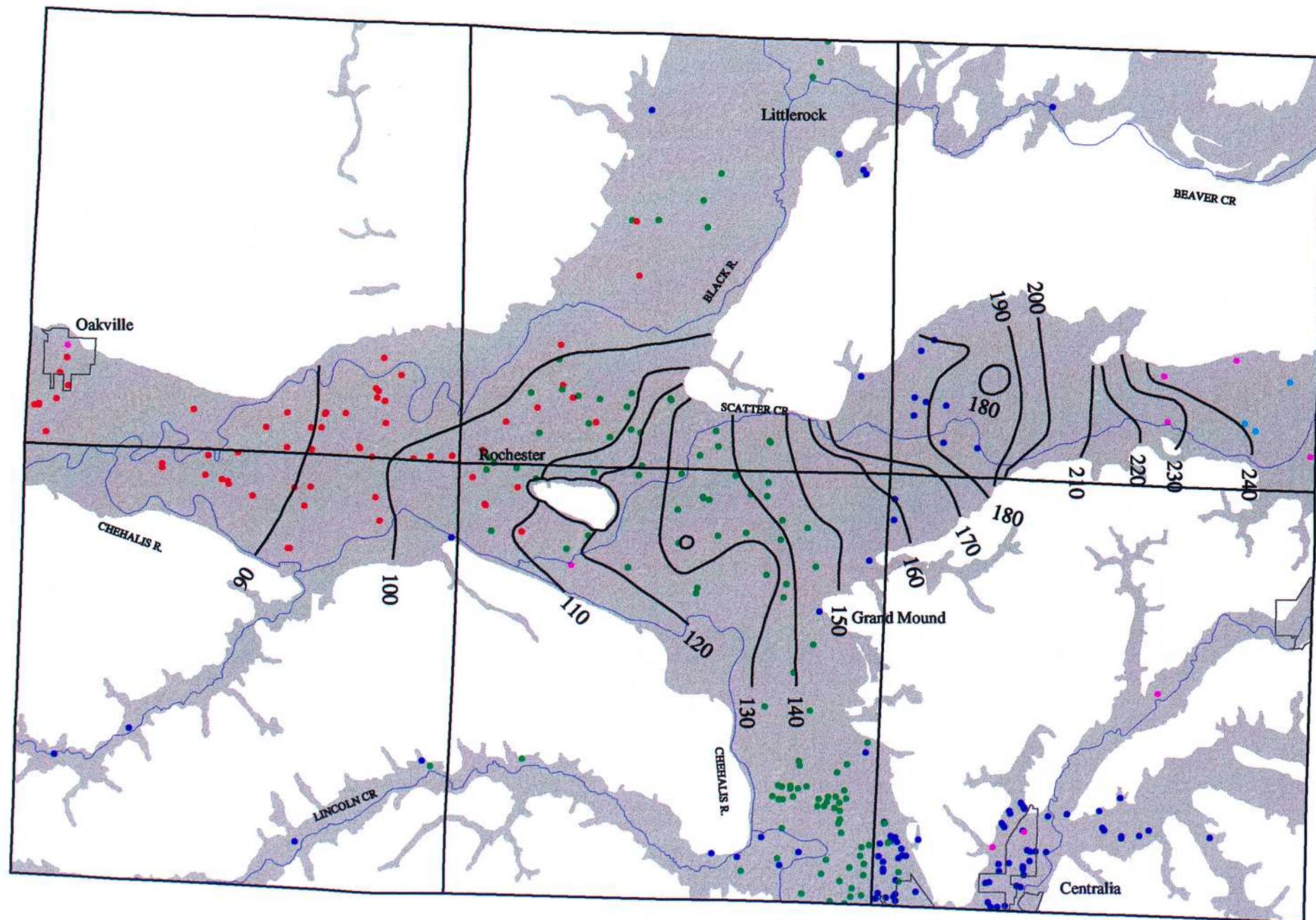


Figure 7
 Surficial Aquifer Delineation
 and Water Level Altitude at
 Time of Drilling for Wells
 ≤ 100 Feet Deep, Upper
 Chehalis River Watershed



- Legend**
- Detail Area Shown in Figure 10
 - Township Boundary
 - Cities and Towns
 - Dairy Size (as of 1996)**
 - < 100 Cows
 - 100-500 Cows
 - > 500 Cows
 - Major Roads
 - Rivers and Streams
 - High Permeability Soils (Infiltration > 2 in/hr)
 - County Boundary
 - Surficial Aquifer

Figure 8
Surficial Aquifer Delineation,
High Permeability Soils,
and Dairy Locations Within
the Upper Chehalis River
Watershed



- ### Legend
- Township Boundary
 - Cities and Towns
 - Rivers and Streams
 - Ground-Water Contours for Dec. 1989 *
 - Ground-Water-Level Altitude (Ft above msl)**
 - 51 - 100
 - 101 - 150
 - 151 - 200
 - 201 - 250
 - 251 - 300
 - Surficial Aquifer

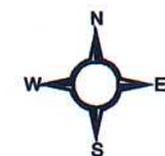
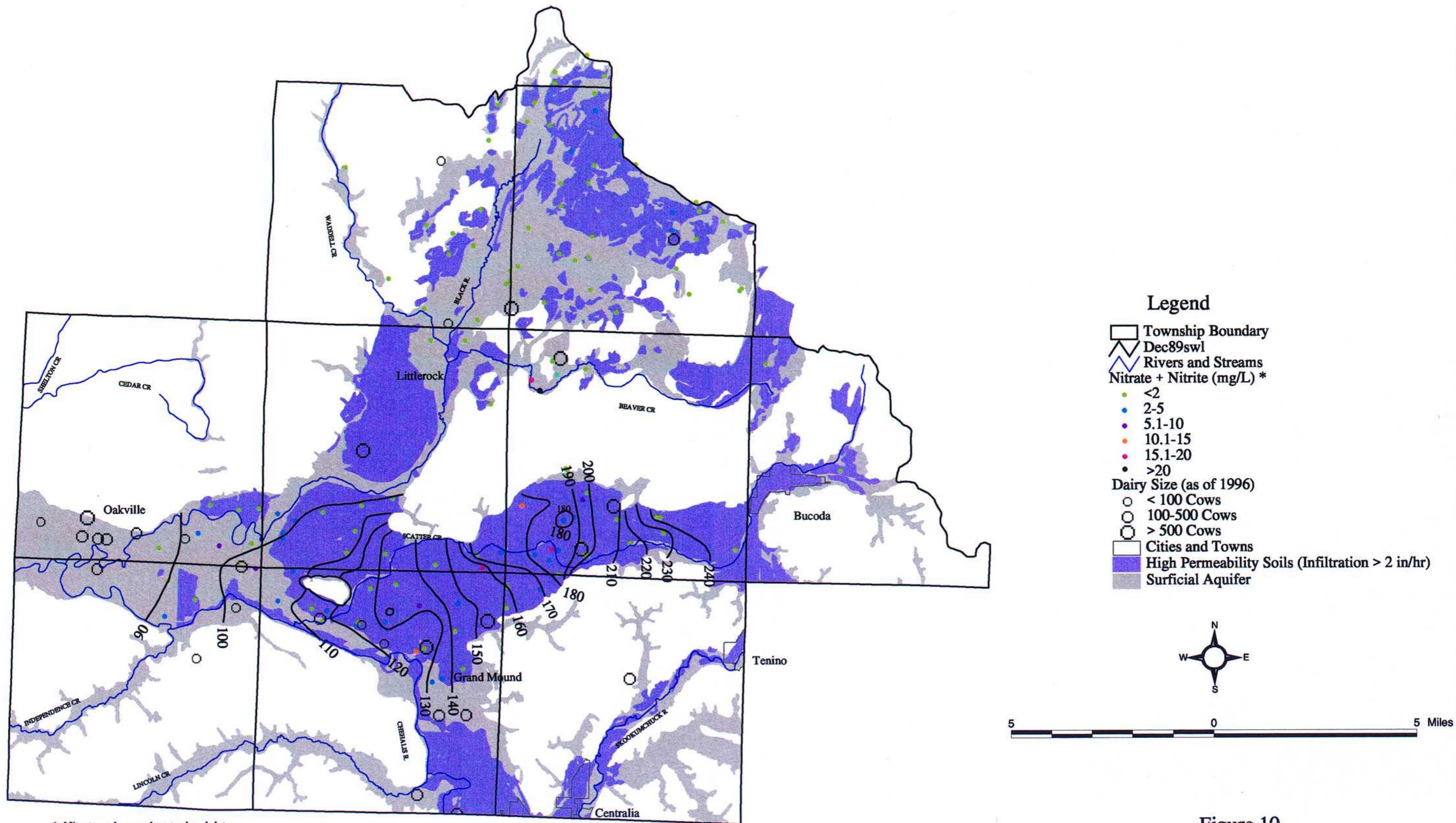


Figure 9
 Water Level Altitude at
 Time of Drilling for Wells
 ≤ 100 Ft Deep, Scatter
 Creek Area, Upper
 Chehalis River Watershed

* (After Sinclair and Hirshey, 1992)



* Nitrate and ground-water level data compiled from the following sources:
 Sinclair and Hirschey, 1992
 Thurston County Environmental Health, 1995

Figure 10
 High Permeability Soils and Dairy Locations, Upper Chehalis River Watershed