

STATE ENGINEER

GROUND WATER REPORT NO. 20

STATE OF OREGON

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STATE ENGINEER

BIBLIOGRAPHY OF AVAILABLE
GROUND-WATER INFORMATION
IN OREGON

BY
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CONTENTS

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	Page
Introduction	1
Contributors of Ground-Water Information	1
Availability of Ground-Water Information	4
Bibliography	7
Appendix A	
List of Observation Wells	19
Appendix B	
Watermaster, State Engineer, and U.S. Geological Survey Office	
Addresses and phone numbers	26

ILLUSTRATIONS

- - - - -

Figure 1 State Observation Well Net	3
Figure 2 Published Ground-Water Reports	5
Figure 3 On-Going and Proposed Ground-Water Investigations	6

TABLES

- - - - -

Table 1 Published Reports of Areas with "Good" Available Ground Water Information	17
Table 2 On-Going and Proposed Ground-Water Investigations of Areas with some Available Ground-Water Information	18

Introduction

The State Engineer's office annually receives innumerable requests, for information about ground-water in Oregon. These requests come from other governmental agencies, including state and county sanitarians, planners, professional engineers, water well drillers, consultants, and the general public. Information concerning the general availability, depth, and quality of ground water as well as the performance of specific water wells are most commonly requested. As a partial response to these requests, this bibliography of available information pertaining to ground water in Oregon has been compiled.

The geography of Oregon has been aptly described by Dicken (1959). A geologic map of western Oregon has been published by Wells and Peck (1961) and of Oregon and Washington by Bennison et. al. (1972). McKee (1972) includes a discussion of the geology of Oregon in his book CASCADIA and Baldwin (1964) has also described the geology of the State. Beaulieu (1971, 1972) has published two guides describing geologic formations as well as sources of information on the geology in western and eastern Oregon, respectively. Other compilations or bibliographies pertaining to or including ground-water information have been done in the past (Foxworthy, 1962; Johnson, 1965; Newcomb, 1956; U. S. Geol. Survey, 1962).

Contributors of Ground-Water Information

Oregon law (ORS 537.765) requires that a water well report be submitted to the State Engineer's office for every new water well drilled in the state. To date, there are over 90,000 water well logs on file with this office and this number is increased by 9,000 per year. The State Engineer in cooperation with the U. S. Geological Survey, Department of Environmental Quality, and State Health Division, Radiological Lab, maintains a net of observation wells

and water sampling points which includes over 800 stations. Figure 1 and Appendix A give the locations of these stations. Data gathered at these stations is employed in developing hydrographs which graphically depict any rise or fall in ground-water levels. The water quality information is used as an early warning for declining quality or contamination. Information derived from this net is published regularly as a State Engineer Ground-Water Level Report, e.g. Bartholomew (1970).

Oregon's observation well net has aided in delineating specific "critical" ground-water areas within the state. These are areas where the water level is rapidly declining, requiring more careful management and/or limited development of ground water. Existing and proposed critical ground water areas are outlined on Figure 1. A more complete discussion of the various uses of observation or monitoring wells in Oregon is included in Sweet (1974).

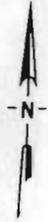
The State Engineer and the U. S. Geological Survey periodically cooperate jointly and/or singularly with other state and local governmental agencies in carrying out areal ground-water investigations. Many of these are published, either as State Engineer Ground-Water Reports, U. S. Geological Survey Water-Supply Papers, or U. S. Geological Survey Hydrologic Atlases. Also, ground-water and ground-water related investigations are carried on by planning agencies, professional consultants, state universities (e.g. thesis work and research grants), and other governmental agencies.

Over 130 ground-water and ground-water related reports have been included in this "bibliography". Also, Figure 2 is a map which outlines areas with "good" areal ground-water reports. Figure 3 includes areas with some ground-water information as well as on-going and proposed study areas. Not all reports included in the bibliography are delineated on Figures 2 and 3. An attempt has been made to outline only the most recent or complete report on the

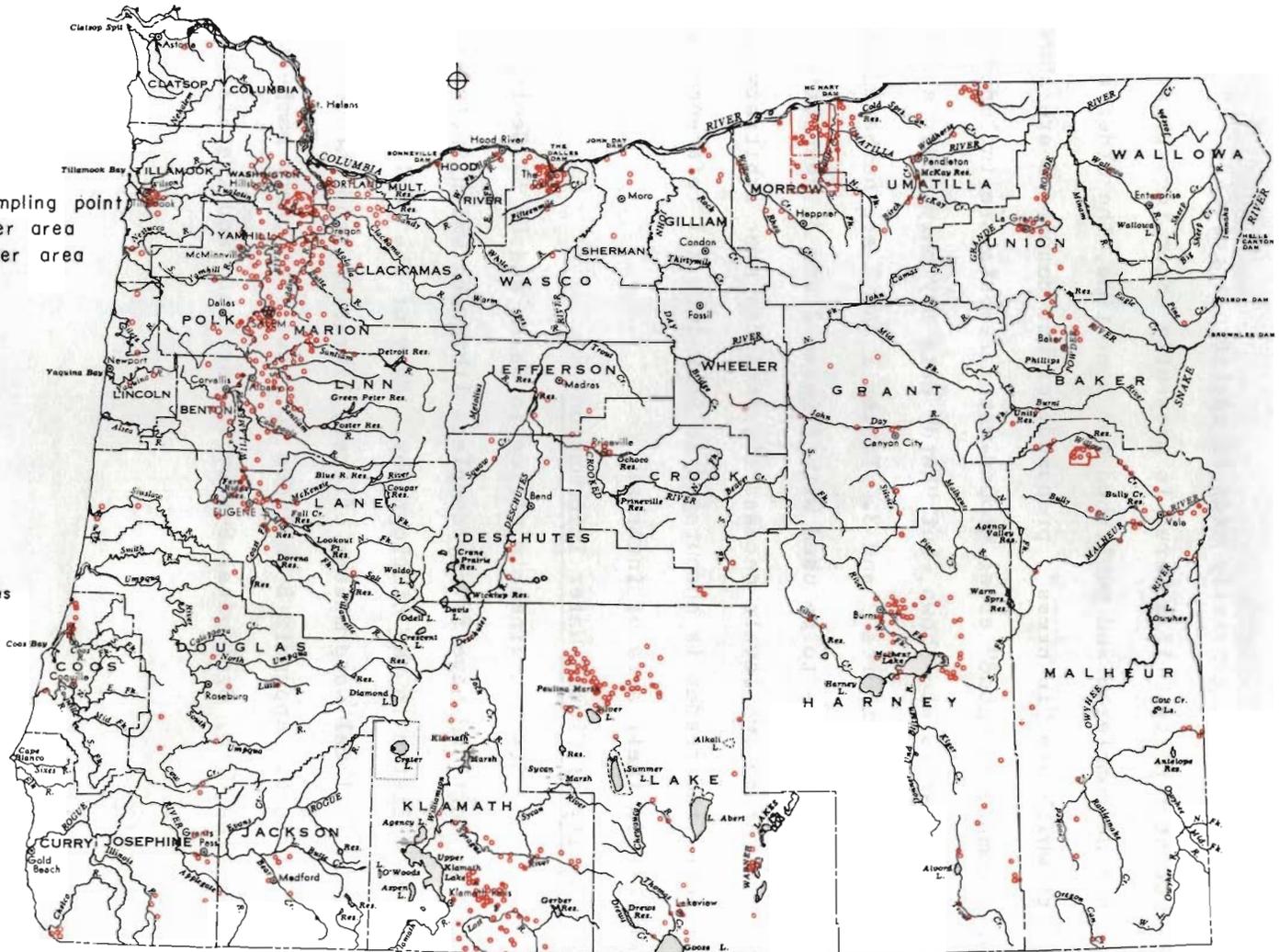
STATE OBSERVATION WELL NET

LEGEND

- Observation well
- Chemical and radiological sampling point
- Existing critical ground-water area
- - - Proposed critical ground-water area



Scale 10 0 10 20 30 40 Miles



maps. Reference is generally made to earlier or related reports in these more recent reports. If an area is presently under investigation but probably will not be completed and published for some time, the older report is shown. Reports which are "in press", proposed, or not completed are shown on Figure 3. Nearly completed "good" areal ground-water reports are included in Figure 2. Report boundaries are shown, but "hard" data may only cover a portion of the area outlined on Figures 2 and 3. Tables 1 and 2 are numbered lists of references which are to be used with Figures 2 and 3, respectively. Separation of reports into two levels necessarily includes some arbitrary decisions. Therefore, the reader is encouraged to look into all references which are available in their area of interest.

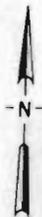
Availability of Ground-Water Information

The State Engineer's office in Salem and U. S. Geological Survey office in Portland have fairly complete libraries which include most of the references listed in the bibliography. Many of the published reports are also available in local watermaster offices, libraries, and through local governmental offices. Appendix B includes addresses and **phone numbers** of watermaster offices, the U. S. Geological Survey in Portland, and the State Engineer in Salem.

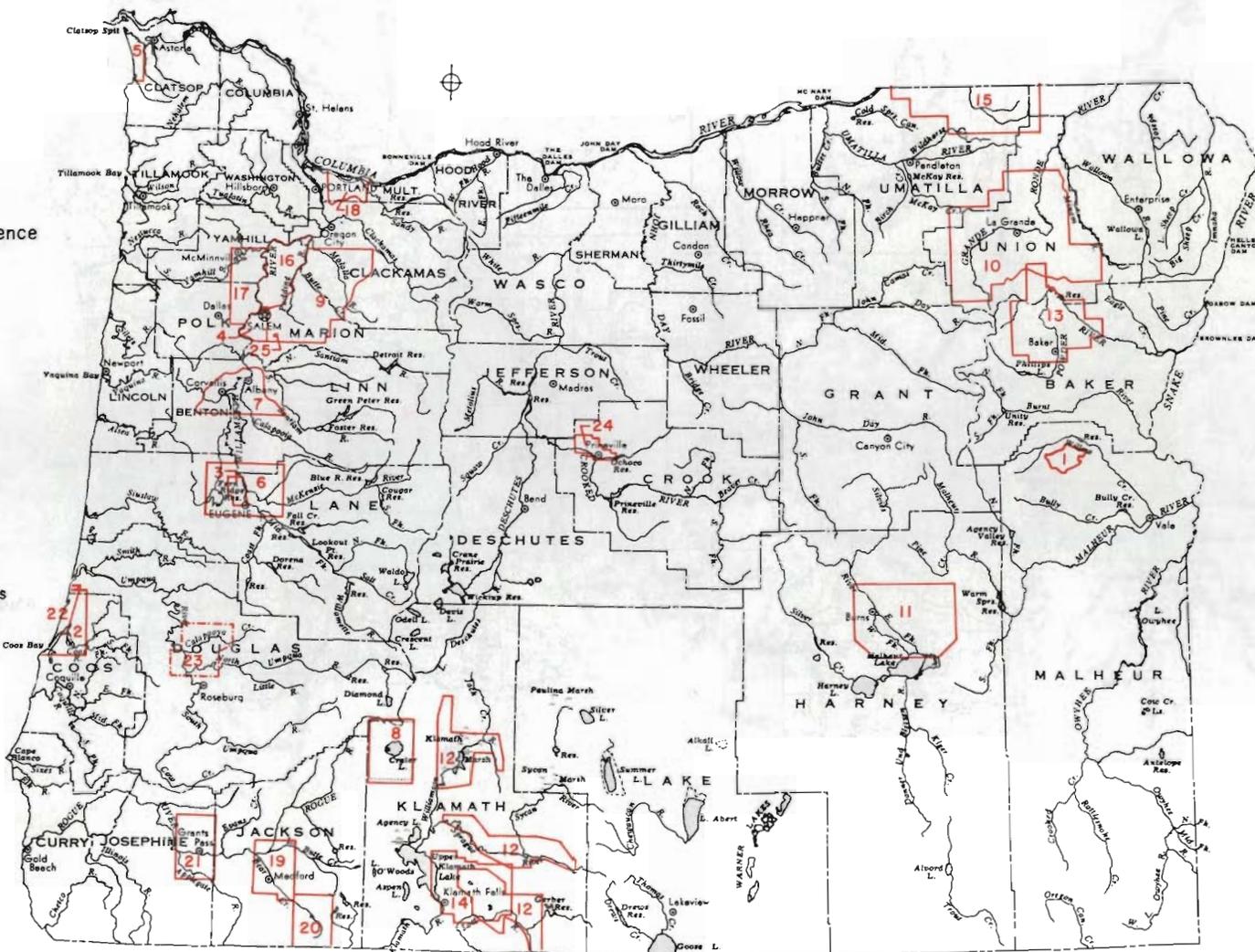
PUBLISHED GROUND-WATER REPORTS

LEGEND

- On-going & proposed projects
- Completed projects
- 10 See Table I listing for reference



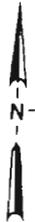
Scale 10 0 10 20 30 40 Miles



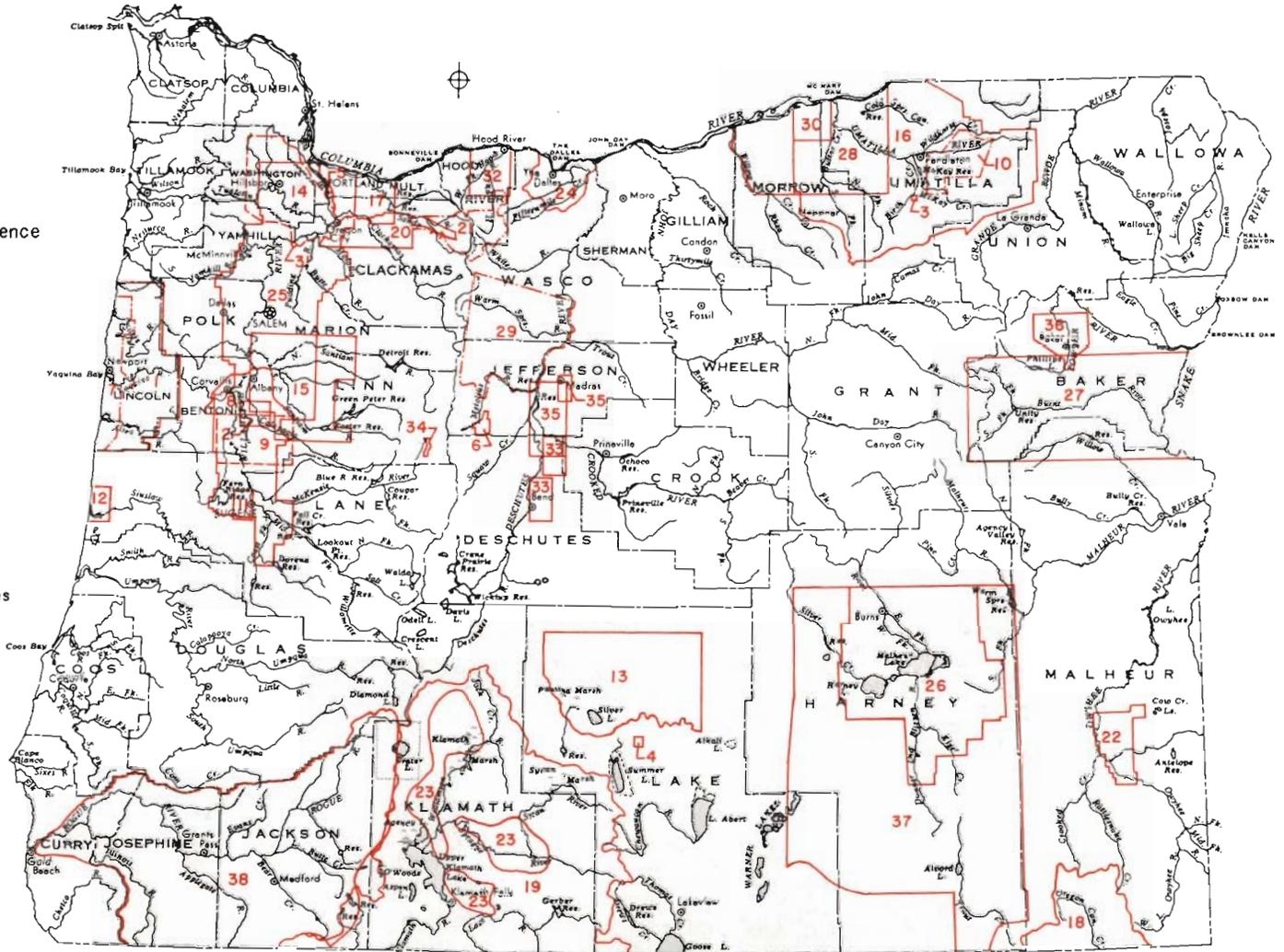
ON-GOING & PROPOSED GROUND WATER INVESTIGATIONS

LEGEND

- On-going & proposed projects
- Completed projects
- See Table 2 listing for reference



Scale 10 0 10 20 30 40 Miles



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TABLE 1

PUBLISHED REPORTS OF AREAS WITH
"GOOD" AVAILABLE GROUND WATER INFORMATION

1. Brown, S. G. and R. C. Newcomb, 1962
2. Brown, S. G. and R. C. Newcomb, 1963
3. Dickinson, R. G., 1972
4. Foxworthy, B. L., 1970
5. Frank, F. J., 1970
6. Frank, F. J., 1973
7. Frank, F. J., 1974
8. Frank, F. J. and A. B. Harris, 1969
9. Hampton, E. R., 1972
10. Hampton, E. R., and S. G. Brown, 1964
11. Leonard, A. R., 1970
12. Leonard, A. R. and A. B. Harris, 1973
13. Lystrom, D. J., W. L. Nees, and E. R. Hampton, 1967
14. Meyers, J. D., and R. C. Newcomb, 1952
15. Newcomb, R. C., 1965
16. Price, Don, 1967a
17. Price, Don, 1967c
18. Quan, E. L., H. R. Sweet, and Joseph R. Illian, 1974
19. Robinson, J. H., 1971b
20. Robinson, J. H., 1972
21. Robinson, J. H., 1973a
22. Robinson, J. H., 1973b
23. Robinson, J. H., 1974
24. Robinson, J. W. and Don Price, 1963
25. Sweet, H. R., and R. H. Fetrow, 1975

TABLE 2

ON-GOING AND PROPOSED GROUND WATER INVESTIGATIONS OF
AREAS WITH SOME AVAILABLE GROUND WATER INFORMATION

- | | |
|--|---|
| 1. Bartholomew, W. S., 1965 | 24. Piper, A. M., 1932 |
| 2. Boersma, L. and G. H. Simonson, 1970 | 25. Piper, A. M., 1942 |
| 3. Brown, S. G., 1955 | 26. Piper, A. M., T. W. Robinson, C. F.
Park Jr., 1939 |
| 4. Brown, S. G., 1957 | 27. Price, Don, 1967b |
| 5. Brown, S. G., 1963 | 28. Robinson, J. H., 1971a |
| 6. Chitwood, L. A., 1972 | 29. Robinson, J. H., 1975 |
| 7. Frank, F. J., 1975 | 30. Sceva, J. E., 1966a |
| 8. Frank, F. J., and N. A. Johnson, 1972 | 31. Sceva, J. E., 1966b |
| 9. Frank, F. J., and N. A. Johnson, 1975 | 32. Sceva, J. E., 1966c |
| 10. Gonthier, J. B. and others, 1976 | 33. Sceva, J. E., 1968 |
| 11. Ham, H. H., 1961 | 34. Stearns, H. T., 1928 |
| 12. Hampton, E. R., 1963a | 35. Stearns, H. T., 1931 |
| 13. Hampton, E. R., 1964 | 36. Trauger, F. D., 1951 |
| 14. Hart, D. H. and R. C. Newcomb, 1965 | 37. Waring, G. A., 1909 |
| 15. Helm, D. C., 1968 | 38. Young, R. A., 1959 |
| 16. Hogenson, G. M., 1964 | |
| 17. Hogenson, G. M., and Foxworthy,
B. L., 1965 | |
| 18. Huxel, C. J. Jr., 1966 | |
| 19. Illian, J. R., 1970 | |
| 20. Leonard, A. R. and Charles A.
Collins, 1975 | |
| 21. Mt. Hood Interagency Planning Team, 1975 | |
| 22. Newcomb, R. C., 1961a | |
| 23. Newcomb, R. C., and D. H. Hart, 1958 | |

LIST OF OBSERVATION WELLS

WELL NO.	OWNER	RECORDS AVAILABLE	WELL NO.	OWNER	RECORDS AVAILABLE
GILLIAM COUNTY					
1N/22E-5db	Robert Root	1965-	26S/34E-19db	F. E. Jones	1959-
1N/22E-8ab	D. L. Lemon	1964-	27S/31E-1acb	Fred Briggs	1961-1968
3N/21E-28bb	City of Arlington	1964-	27S/33E-2bbb	R. F. Upton	1956-
3N/21E-34ab	E. M. Hulden	1964	27S/36E-33ac	Flolea Holly	1963-
GRANT COUNTY					
9S/30E-26ac	L. F. McGirr	1966-	31S/35E-1bb	Fred Pallock	1954-
10S/28E-8ac	Theron King	1966-	33S/34E-24bb	Alvord Ranch	1965-
11S/29E-25db	Cecil Bryant	1966-	34S/34E-15bc	Alvord Ranch	1962-
11S/30E-6aa	Frank McGirr	1966-	35S/33E-34dc	Andrew Shull	1958-
12S/26E-34da	Dayville Cemetery	1963-	36S/33E-3ab	Allied Properties Inc.	1962-
13S/29E-22ca	Curtice Martin	1962-	36S/36E-16dc	Gaylen Frazier	1969-
13S/30E-27aa	Oregon State Highway Dept.	1964-	37S/36E-10cb	Whitehorse Ranch	1962-
13S/31E-21cc	Mt. View Country Club	1963-	37S/36E-14aa	Whitehorse Ranch	1962-
13S/31E-23cb	City of John Day	1962-	37S/36E-15cb	Whitehorse Ranch	1962-
13S/31E-26bd	City of John Day	1962	39S/35E-4cc	Warren McLean	1964-
16S/30E-28dd	Robert Lemcke	1966-	39S/35E-25db	Trout Creek Ranch	1967-
17S/31E-2ba	Wesley Kriege	1966-	HOOD RIVER COUNTY		
18S/31E-12aa	Harry Pon	1966-	2N/8E-5ca	U. S. Forest Service	1965-
HARNEY COUNTY					
19S/31E-13ac	Harry Pon	1966-	2N/10E-4db(1)	W. B. Graham (White)	1964-
19S/31E-13da	Harry Pon	1966-	2N/10E-4db(2)	B. Ross Evans	1964-1969
22S/30E-27ddc	Werner Arntz	1966-	JACKSON COUNTY		
22S/31E-28dda	Harry Pon	1966-	36S/1W-21aa	Bud Hoover	1960-
22S/31E-34ccb	L. F. Lazaus	1930-	36S/2W-23ccb	U. S. Geological Survey	1953-
22S/31E-36bab	Robert Smith	1963-	36S/2W-25ad	Alex Legler	1960-
22S/32E-30cdb	Jack McGee	1966-	37S/2W-28aab	So. Oregon Experimental Station	1960-
22S/33E-27adc	John Temple	1966-	38S/1W-15ca	City of Phoenix	1960-
23S/27E-30ab	Green Valley Ranch	1962-	JEFFERSON COUNTY		
23S/30E-36bbc	Baker Ranch	1971-	11S/12E-21aa	Portland General Electric Co.	1962-
23S/31E-3bbb	Harney County	1936-1971	11S/12E-26da	Portland General Electric Co.	1962-
23S/31E-5aac	Harry Pon	1962-	11S/13E-1bb	City of Madras	1964-
23S/31E-11dcc(1)	E. Sewell	1959-	12S/13E-6bb	Fred Degner	1964-1967
23S/31E-11dcc(2)	E. Sewell	1959-	12S/15E-21cc	Morrow Brothers	1965-
23S/31E-14aab	Harney County	1936-1971	13S/14E-33da	Buckner Brothers	1964-
23S/31E-16bcc	Harney County	1936-1971	JOSEPHINE COUNTY		
23S/31E-16dbb	T. Allen Jones	1930-	33S/6W-15cc	Southern Pacific Railroad	1963-
23S/31E-33bcc	Harney County	1936-1971	35S/6W-21aca	Bate Lumber Company	1961-
23S/32E-3aad	Meadowland Ranches Inc.	1965-	35S/6W-24bbd	Oregon State Highway Dept.	1963-
23S/32E-7cab	Dorland Ray	1928-	36S/5W-31cad	Grants Pass Golf Club Inc.	1964-
23S/32E-28aba	Bar Nag Ranch	1966-	36S/6W-27ac(1)	Fort Vancy Job Corps Center	1966-1967
23S/32E-29adb	Roy Duhaime	1968-	36S/6W-27ac(2)	Fort Vancy Job Corps Center	1966-
23S/32E-30ddd	Harney County	1936-1971	38S/5W-23ad	John Katzenbach	1961-1970
23S/32E-1bbb	Dick & Ed McConville	1965-	38S/8W-33ad	J. R. Smith	1961-
23S/33E-36ad	Kenneth Mann	1966-1971	39S/5W-6db	Brown Bros. Lumber Co. Inc.	1962-
23S/34E-31add	Miller Bros. Ranch	1971-	39S/8W-17da	Joseph Ollis	1961-
24S/27E-11ba	Silver Creek Ranch	1968-	39S/8W-34caa	U. S. Geological Survey	1952-
24S/30E-7cdd	Adolf Kisle	1966-	KLAMATH COUNTY		
24S/30E-26ddc	John Campbell	1960-	25S/8E-1bb	U. S. Forest Service	1966-
24S/31E-28bcc	Harney County	1936-	27S/8E-20aa	U. S. Forest Service	1963-
24S/32E-30ddc	Ansel Marshall (Catterson)	1963-	28S/8E-17dbd	Boise Cascade	1962-
24S/34E-31acb	John Rossberg	1959-	29S/8E-7ddd	Boise Cascade Corp.	1968-
24S/34E-31cbd	John Rossberg	1963-	30S/7E-11dab	Crown Zellerbach Inc.	1954-
24S/34E-31dcb	John Rossberg	1960-1969	31S/7E-1adc	Swanson Cattle Co.	1962-
24S/34E-31dda	John Rossberg	1959-1969	34S/7E-9adb	Collier State Park	1955-
25S/30E-34ab	Forrest Reed	1963-	34S/8E-28ddc	Rafter MD Ranch	1967-
25S/31E-4cba	James Stahl	1962-1970	35S/7E-34cb	H. C. Spicer	1965-
25S/31E-29ccb	Edgar Koeneman	1964-1970	35S/8E-1bcc	Henry Wolff	1954-
25S/34E-30dcc	Forrest Skinner	1960-	35S/10E-19aca	Ted Chrume	1954-
26S/31E-26bba	Harney Co. Land Development Corp.	1965-1968	35S/10E-29cab	G. D. Hazen	1967-
26S/31E-34ddd	Marcus J. Haines	1964-	36S/10E-14acc	C. J. Emmich	1962-
26S/33E-13daa	Lester Thompson	1962-	36S/11E-17dcc	Ernest Firsick	1967-
26S/33E-19ccc	De B. Forslund	1959-	36S/11E-20dca	Yaniax Ranch (Bertran)	1962-
26S/33E-19ddc	De B. Forslund	1959-	36S/11E-36aab	Bill Gallaher (McBain)	1954-
26S/33E-28cbc	De B. Forslund	1958-1970	36S/12E-12dcc(1)	Weyerhaeuser Timber Co.	1962-
26S/33E-33baa	De B. Forslund	1958-			
26S/33E-34acc	Guy Leslie	1956			
26S/33E-34cca	George H. Merrick	1958-1970			
26S/34E-6ba	John J. Fecht	1960-			
26S/34E-6dab	H. C. Fitchett	1960-1968			

LIST OF OBSERVATION WELLS

WELL NO.	OWNER	RECORDS AVAILABLE	WELL NO.	OWNER	RECORDS AVAILABLE
36S/12E-14ccb	Jim Godowa (Rec. Hall)	1954-	26S/15E-20bb	U. S. B. L. M.	1940-
36S/12E-28adb	Mike Deely	1962-	26S/15E-20dc	Hugh L. Wahl	1956-1968
36S/14E-7add	Harry Obenchain	1962-	26S/15E-22abb	M. Y. Parks	1932-
36S/14E-25bcb	Gerber, Montgomery & Reed	1962-	26S/15E-28da	M. Y. Parks	1962-1964
36S/14E-27cdc	Henry Gerber	1962-	26S/15E-29ab	Delbert M. Wilson	1962-1964
36S/14E-35ddd	Ruth Hall	1962-1971	26S/15E-29bc	Hugh L. Wahl	1940-1970
37S/10E-8ccc	Edgewood Ranch	1961-	26S/15E-31aa(3)	Nick Klerk	1949-1970
37S/10E-18aca	Cliff McMillan	1961-1967	26S/15E-31bc	Nick Klerk	1949-1967
37S/10E-19ada	H. D. Whiteline	1961-	26S/15E-31da	Robert R. Tuttle	1956-1968
37S/10E-29dbb(1)	Edgewood Ranch	1949-	26S/15E-32bc(1)	Robert R. Tuttle	1956-
37S/10E-29dbb(2)	Edgewood Ranch	1949-	26S/15E-32bc(2)	Robert R. Tuttle	1956-
37S/10E-30abc	Fred Coleman	1961-	26S/15E-33ac	Merritt Parks	1962-1970
37S/11½E-36add	Donald Schreiner	1957-	26S/15E-34cc	Merritt Parks	1956-1970
38S/9E-28dc	Seventh Day Adventist Church	1968-	26S/15E-34dc	C. W. Boley	1956-1969
38S/10E-9cbc(1)	R. & S. Ranch	1949-	26S/18E-8ad	M. Penn Philips Co.	1968-
38S/10E-13bbb(1)	Swan Lake Ranch	1949-	26S/18E-26ab	Robert Bothern	1963-
38S/10E-16dcd	Mrs. Maude E. Liskey	1957-	26S/18E-30adc	Sam K. Morehouse	1959-
38S/10E-22baa	Mike Short	1957-	27S/15E-2bc(1)	C. C. Miles	1949-1968
38S/10E-23bdd	Lloyd Goldbek	1957-	27S/15E-2bc(2)	C. C. Miles	1956-
38S/10E-25aab(1)	Garrison Mitchell	1957-1971	27S/15E-2ad(2)	Lawrence B. Iverson	1949-
38S/11E-6dda	B. J. Jendrzejewski	1957-	27S/15E-3ab	Easton Claridge	1956-1968
38S/11½E-6cad	Swan Lake Ranch	1957-	27S/15E-3da	Easton Claridge	1949-1970
38S/11½E-7ddd	Swan Lake Ranch	1952-1970	27S/15E-4aca(1)	M. Y. Parks	1932-
38S/11½E-11ada	Frank & Mathilda Challis	1957-1971	27S/15E-4aca(2)	M. Y. Parks	1932-1968
38S/11½E-12cca(3)	Frank Challis	1949-	27S/15E-11ad	K. O. Buick	1961-1971
38S/11½E-13aca	R. M. Robertson	1948-1971	28S/15E-11da	K. O. Buick	1956-1970
38S/11½E-13ccc	Herman Pendegreft	1948-	27S/15E-13bb	Jess Miles	1949-
38S/11½E-15dda	George McCollum	1948-	27S/15E-24ba	Darrell Bowen	1959-1970
38S/11½E-25cbb	Richard Hoefler	1949-1971	27S/15E-24cb	Darrell Bowen	1961-
38S/11½E-30cba	Swan Lake Ranch	1957-1971	27S/15E-24ccc	Darrell Bowen	1948-1969
38S/11½E-30ddd	David Moore (Wheeler)	1957-1971	27S/15E-25bc	Alfred Smithee (Koehler)	1956-1970
38S/11½E-30dac	David Moore (Wheeler)	1948-	27S/16E-7bb	Wayne Dubois	1956-1968
39S/9E-34cd	Harry Wagner	1964-	27S/16E-7bd	Wayne Dubois	1961-1970
39S/10E-8da	Mt. Calvary Cemetery Ass'n	1965-	27S/16E-13aa	Robert Morehouse	1955-1970
39S/11E-10ddd	Lost River Cemetery	1963-	27S/16E-13abb	Robert Morehouse	1958- 1/
39S/11E-20aad	Robert Woods	1964-	27S/16E-13cb	Robert Morehouse	1955-1971
39S/11E-26abd(1)	H. D. Knox	1966-	27S/16E-26cd	John Beck	1963-
39S/11½E-8abc	L. J. Horton	1957-	27S/16E-32bd	Lowe & Whipple	1956-
39S/11½E-28ddd	B. E. Smith	1954-	27S/16E-32dc	Miller E. Follis	1957-
39S/12E-29dbc	Eva Adams	1954-	27S/16E-34cab	Dr. George E. Mallet	1957-1970
39S/12E-35add	Cummings	1954-	27S/17E-10dd	M. Penn Philips Co.	1961-
40S/9E-27cd	Otis Osborn	1968-	27S/17E-14cc	U. S. B. L. M.	1961-1970
40S/11E-11bad	A. W. Schaup	1954-	27S/17E-21dc	James Bobst	1962-1966
40S/11E-13bda(2)	Carl Rajnus	1963-	27S/17E-22bb	Helmar Gustafson	1962-1970
40S/11E-29ab	J. Randall Pope	1968-	27S/17E-22ddd	Century Ranch	1938-1970
40S/12E-33ba	Clark Unruh	1965-	27S/17E-27ddb	Century Ranch	1961-1968
41S/9E-12aa	O'Conner Livestock Co.	1968	27S/17E-27bdd	Century Ranch	1952-
41S/10E-10ca	Fotheringham Brothers	1964-1966	27S/18E-6bcb	Rose T. Morici	1940-
41S/12E-3cba	George Rajnus	1954-	27S/18E-6bdb	Marianne Aiasasa	1959-1968
41S/12E-19ac	D. P. Reid	1954-	27S/18E-6ac	Clinton B. Carrico	1956-1968
41S/14E-8cca	Charles Kilgore	1954-	27S/18E-6ad	Hugh L. Wahl	1962-1964
			27S/18E-6db	Clinton B. Carrico	1956-
			27S/18E-12aaa	John Pettus	1961-1971
			27S/18E-18cc	Jack Gillette	1959-1970
			27S/18E-21aaa	U. S. B. L. M.	1955-
			27S/19E-18cc	View Point Ranch	1957-
			27S/19E-19dc	View Point Ranch	1957-
			27S/19E-29bd	View Point Ranch	1961-1968
			27S/19E-32ba	View Point Ranch	1958-1968
			28S/14E-20ab	Lawrence Iverson	1965-
			28S/14E-21dcb	U. S. Forest Service	1963-1970
			28S/14E-25ba	ZX Ranch	1964-
			28S/15E-13cd	View Point Ranch	1958-1969
			28S/15E-14adc	View Point Ranch	1956-
			28S/16E-4ab	U. S. B. L. M.	1958-1971
			28S/16E-4bb	U. S. B. L. M.	1956-1970
			28S/16E-5bd	Miller E. Follis	1959-1967
			28S/16E-5cd	Miller E. Follis	1959-1970
			28S/16E-5dc	Miller E. Follis	1959-1967
			28S/16E-19ba	View Point Ranch	1960-1970
			29S/23E-3dac	U. S. B. L. M.	1945-
			30S/16E-1bd	Oregon State Game Commission	1963-
			32S/23E-5aa	U. S. B. L. M.	1964-
			33S/18E-13aa	Alan & Van Withers	1963-
			34S/19E-16cc	Howard Beachler	1962-
			34S/19E-23ac	ZX Ranch	1959-
			35S/24E-9dad	U. S. B. L. M.	1949-
			36S/21E-6aba	S. V. Carroll	1950-
LAKE COUNTY					
25S/14E-15bcc	Ira A. Dutcher	1932-			
25S/14E-16ad	Marion Cook	1956-1971			
25S/14E-19dd	R. A. Long	1948-1967			
25S/14E-22bb	C. B. Webster	1949-1970			
25S/14E-29da	Banfield Veterans Hospital	1956-			
25S/14E-36cc	Joe & Minnie Stitz	1956-1970			
25S/18E-9cc	Alferd L. Prevost	1968-			
25S/19E-31dc	O. E. White	1963-			
26S/14E-2bb	U. S. B. L. M.	1948-1970			
26S/14E-3bb	Fred Meyers	1956-			
26S/14E-5aa	V. A. Wagers	1940-1970			
26S/14E-12aa	Sheldon D. Kelley	1948-1969			
26S/14E-12ba	Elmer Kohler	1958- 1/			
26S/14E-13cc	Andrew Bettencourt	1957-1971			
26S/14E-20cc	G. R. Boatwright	1940-1970			
26S/14E-21dd(2)	U. S. B. L. M.	1940-1970			
26S/14E-23bb	U. S. B. L. M.	1959-			
26S/14E-24cd	Jack Kitttridge	1956-1970			
26S/14E-33ba	U. S. B. L. M.	1940-1970			
26S/15E-5bab	N. J. Widdendja	1957-1970			
26S/15E-6ab	Glenn Irwin	1955-			
26S/15E-6ad	Glenn Irwin	1960-1967			
26S/15E-17dd	Morehouse Ranch	1940-1971			

LIST OF OBSERVATION WELLS

WELL NO.	OWNER	RECORDS AVAILABLE	WELL NO.	OWNER	RECORDS AVAILABLE
MULTNOMAH COUNTY			2S/9W-5bc	Tillamook Water Comm.	1962-
1N/1E-33bbd	Good Samaritan Hospital	1961-1970	2S/9W-6ac	M. J. Jenck	1962-1971
1N/1E-33dbc	Fred Meyer Inc.	1961-1967	2S/9W-6da	Connie & Judy Dye	1962-1969
1N/1E-33dc	U. S. National Bank	1946-	2S/9W-21bc	Vern Darby	1962-
1N/1E-33dc	Weisfield's Inc.	1940-	4S/10W-19da	Lloyd McKillip	1968-
1N/1E-34cdc(3)	Equitable Savings & Loan	1961-	4S/10W-27bd	James C. Trent	1965-
1N/1E-34ccb(3)	Pittock Block Inc.	1961-1969	UMATILLA COUNTY		
1N/1E-34cdc(6)	Lipman Wolfe & Co.	1961-	1N/32E-10db	Skyview Memorial Park	1965-
1N/1E-34ccb(1)	Dirks Medical Center	1961-	1N/32E-22acc	J. L. Eldridge	1967-
1N/1E-34ccb(3)	Federal Reserve Bank	1961-1967	2N/27E-1bda	Claussie Ammon	1961-
1N/1E-34cca(13)	U. S. National Bank	1961-	2N/27E-1lad	Clarence L. Hansen	1961-
1N/1E-34cdc(7)	First National Bank	1959-1969	2N/27E-12bba	Clarence L. Hansen	1961-
1N/2E-9cc	Port of Portland	1963-	2N/27E-14cc	Oscar D. McCarty	1968-
1N/2E-23aa	Joe A. Grosjaquea	1970-	2N/27E-26cad	Sarvis Springs Ranch	1962-
1N/3E-26dd	Kazuo Fujii	1963-	2N/27E-27bca	John F. Kilkenny	1961-1969
1S/1E-3bbd	Pacific Power & Light Co.	1961-1967	2N/27E-27cbc	Thomas Ashbeck	1968-
1S/1E-3bba(2)	Pacific Service Building	1961-	2N/28E-7aad	Oliver Abney	1969-
1S/1E-3bcb(1)	Oregonian Publishing Co.	1961-	2N/30E-28bdc	Cunningham Sheep Co.	1961-
1S/1E-3bcb(2)	Oregonian Publishing Co.	1961-	2N/32E-2ccc	City of Pendleton	1961
1S/1E-3bcb(3)	Oregonian Publishing Co.	1961-1968	2N/32E-16ba	City of Pendleton	1967-
1S/1E-3cbb(1)	Pacific Northwest Bell	1963-	3N/27E-ddd	George Wallace	1961-
1S/1E-3cbb(2)	Pacific Northwest Bell	1963-	3N/27E-36adc	George Wallace	1961-
1S/1E-4aa(2)	Medical-Dental Building	1958-1969	3N/28E-8aa	Henry Walker	1967-
1S/1E-10cd	J. Donald Kroeker	1961-	3N/28E-28cbb	E. A. Betz	1967-
1S/3E-7cc	Meadowland Dairy	1964-	3N/34E-3bac	Berkley Davis	1953-
1S/3E-10cc	Forest Lawn Memorial Park	1963-	4N/27E-22cda	Umatilla Army Depot	1960-
POLK COUNTY			4N/27E-22dbd	Umatilla Army Depot	1960-
6S/3W-7ada	D. L. Gingerich	1963-	4N/27E-27da(1)	Hansell Brothers	1965-
6S/4W-17cba	John Romig	1963-	4N/27E-27da(2)	Hansell Brothers	1967-
7S/3W-10bcd	Leland P. Brandt	1962-	4N/27E-34bb	Marvin McDole	1966-
7S/3W-17db	Robert W. Straub	1969-	4N/27E-36bba	Lyle Miller	1961-
7S/3W-18bbd(1)	Orchard Heights Water District	1965-	4N/28E-10bda	City of Hermiston	1964-
7S/3W-18bbd(2)	Orchard Heights Water District	1965-	4N/29E-5dda	John Hershey	1963-
7S/3W-30bd(1)	R. L. Forster	1965-	4N/29E-17cc(2)	Milton Culp	1961-
7S/3W-30bd(2)	R. L. Forster	1966-1968	4N/29E-18daa	Milton Culp	1961-
7S/4W-6ddb	Art Leppin	1965-	4N/29E-32cac	City of Stanfield	1964-
8S/4W-3ab	Theodore C. Muller	1962-	4N/32E-2cb	L. King	1953-
8S/4W-21bc(2)	Boise Cascade Corp.	1962-	5N/28E-22bba	L. J. Martin (Munson)	1953-
8S/5W-13ad	Milo Jensen	1963-	5N/34E-16ddd	R. M. Thompson	1953-
8S/6W-22bd	Edward Bakke	1962-	5N/35E-1bad	William A. Bingham	1933-
8S/6W-25dd	Max B. Morton	1963-	5N/35E-1bcc	City of Milton-Freewater	1963-
9S/4W-8cc	D. W. Christianson	1963-	5N/35E-2bad	K. A. Townsend	1933-
9S/4W-11bd	Donald Cobine	1965-	5N/35E-2ca	City of Milton-Freewater	1954-
SHERMAN COUNTY			5N/35E-2daa	City of Milton-Freewater	1954-
1N/17E-4ca	Philip G. O'Meara	1963-	5N/35E-3ada	Walter Miller	1933-
1N/17E-16ba	L. P. Haven	1964-	5N/35E-12bdb	City of Milton-Freewater	1954-
2N/16E-8dc	Isami Taubota	1968-	5N/35E-12bdd	City of Milton-Freewater	1954-
3N/17E-31da	Isami Taubota	1969-	5N/36E-18cb	City of Milton-Freewater	1964-1966
3S/16E-10cc	E. J. Hartley	1963-	6N/35E-14cad	Conrad Miller	1933-
TILLAMOOK COUNTY			6N/35E-20aca	J. E. Courtney	1933-
1S/9W-18cb	Green Acres Motel	1962-1970	6N/35E-24dcc	George H. Ransom	1933-
1S/9W-19ba	Tillamook Veneer	1962-	6N/35E-26bad	Earl Ransom	1933-
1S/9W-27ab	Gaylord Shively	1962-	6N/35E-28ada	W. J. Rend	1933-1969
1S/9W-27bc	Virgil Chadwick	1962-1971	6N/35E-28ccd	Lottie McKnight	1933-
1S/9W-29bc	Norman Burdick	1962-1971	6N/35E-30cbb	Dan Selleck	1933-
1S/9W-29db	Fairview Water Dist. Inc.	1962-	6N/35E-34baa	James A. Reese	1933-
1S/9W-29ca	Fairview Water Dist. Inc.	1962-1969	6N/35E-36bab	James Busch	1933-
1S/9W-31bc	Lester E. Armstrong	1962-1971	6N/35E-36add	Walter Herman	1933-
1S/9W-31cd	Tillamook Water Comm.	1962-	6N/36E-20db(2)	D. K. Smith	1966-
1S/9W-32cd	Elbert Leonnig	1962-	1S/32E-9cad	Wayne Chapman	1961-1969
1S/10W-12bb	Leo & Robert Wassmer	1962-	1S/32E-17adb	City of Pilot Rock	1961-
1S/10W-26ab	Rudolph John Fenk	1962-	1S/32E-17dba	City of Pilot Rock	1961-
1S/10W-36dd	Frank Emmenegger	1962-1971	1S/32E-19cd	Arnold Hoeft	1964-
			1S/32E-23daa	Hilmer Horn	1961-
			3S/30½E-1abb	Joseph Pedro	1953-
			UNION COUNTY		
			1N/39E-4cb	Lee Smith	1964-

APPENDIX B

WATERMASTER DISTRICT LIST

<u>Watermaster District</u>	<u>Name</u>	<u>Address</u>	<u>Office Telephone</u>
1	Clayton J. Gardner	Washington County Courthouse, Hillsboro 97123	(118) 648-8791
2	Leon "Gene" McGinnis	1178 Chemeketa St. NE, Salem, 97310	378-3739
3	Donald E. Knauer	Wasco County Courthouse Annex, Rm. 205, The Dalles 97058	296-5494
4	Monte E. Graham	P.O. Box 26, Canyon City, 97820	575-0119
5	William I. Porfily	P.O. Box 1427, Pendleton 97801	276-7111
6	H. Boyd Hadden	P.O. Box 1043, LaGrande 97850	963-3560
7	Robert W. DeBow	Wallowa County Courthouse, Enterprise 97828	426-4216
8	George M. Ward	Baker County Courthouse, Baker 97814	523-2322
9	Frank W. Elfering	Malheur County Courthouse, Vale 97918	473-3930
10	Phillip W. Hiibel	P.O. Box 242, Burns 97720	573-2591
11	Bruce Estes	1507 East First Street, Bend 97701	382-4005
12	Howard L. Daggett	513 Center Street, Lakeview 97630	947-2213
13	David C. Hendrix	Jackson County Courthouse, Medford 97501	(116) 773-6211
14	Robert B. Steimer	714 NW "A" Street, Grants Pass 97526	476-6828
15	M. John Youngquist	1144 SE Douglas Street, Roseburg 97470	(1949) 672-3311
16	Keith M. Palmer	1178 Chemeketa St. NE, Salem 97310	378-3739
17	Victor "Kent" Searles	Klamath County Courthouse, Rm. 212, Klamath Falls 97601	882-2501 Ext. 212
18	Benjamin E. Monroe	1178 Chemeketa St. NE, Salem 97310	378-3739

State Engineer

Chris L. Wheeler 1178 Chemeketa Street NE, Salem, 97310 378-3739

U.S. G.S.

U. S. Geological Survey, Water Resources Division, P.O. Box 3202, Portland, 97208 234-3361 Ext. 4776