

Grand Ronde

Measurement Activities in Priority Watersheds in the Grande Ronde Basin

3/9/2007

WS_ID#	Watershed	# significant diversions	# measuring device(s)	# with measuring conditions	Instream Water Rights?	303d stream/lakes?	# gages on streams
70862	S Fk Catherine Cr @	2			Yes		
71669	Willow Cr @ Mouth	30	7	5	Yes		
71680	Little Cr @ Mouth	19	5		Yes		
71734	Willow Cr Ab Mill Cr	18			Yes		
30810407	Grande Ronde R Ab Wi	36	30		Yes	Yes	
30810408	Catherine Cr @ Mouth	15	3		Yes	Yes	1

***Consumptive use as a percent of natural streamflow
(50% exceedance) in priority watersheds in the
Grande Ronde Basin***

Legend	
< 30%	18
30% - 60%	53
60% - 90%	78
> 90%	94

WS_ID#	January	February	March	April	May	June	July	August	September	October	November	December
70862	0.08	0.07	0.04	0.01	0.77	11.1	23.6	7.43	2.78	0.27	0.07	0.09
71669	0.57	0.38	0.31	0.29	36.8	196	315	310	102	2.49	1.65	0.78
71680	3.38	1.97	0.99	0.71	24.4	103	164	289	90.8	8.71	5.56	4.52
71734	0.63	0.41	0.35	0.34	20.5	112	307	324	126	4.87	2.55	0.9
30810407	6.73	3.54	2.78	9.03	18.2	29.4	40.3	46.2	42.7	20.2	10.7	8.35
30810408	3.41	2.48	2.47	13.9	24.4	31.7	45.8	56.1	43.4	11.8	3.11	3.78

MEASUREMENT ACTIVITIES IN PRIORITY WATERSHEDS IN THE GRANDE RONDE BASIN

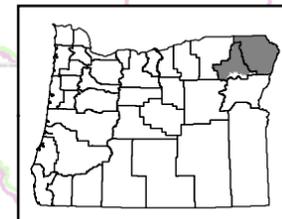
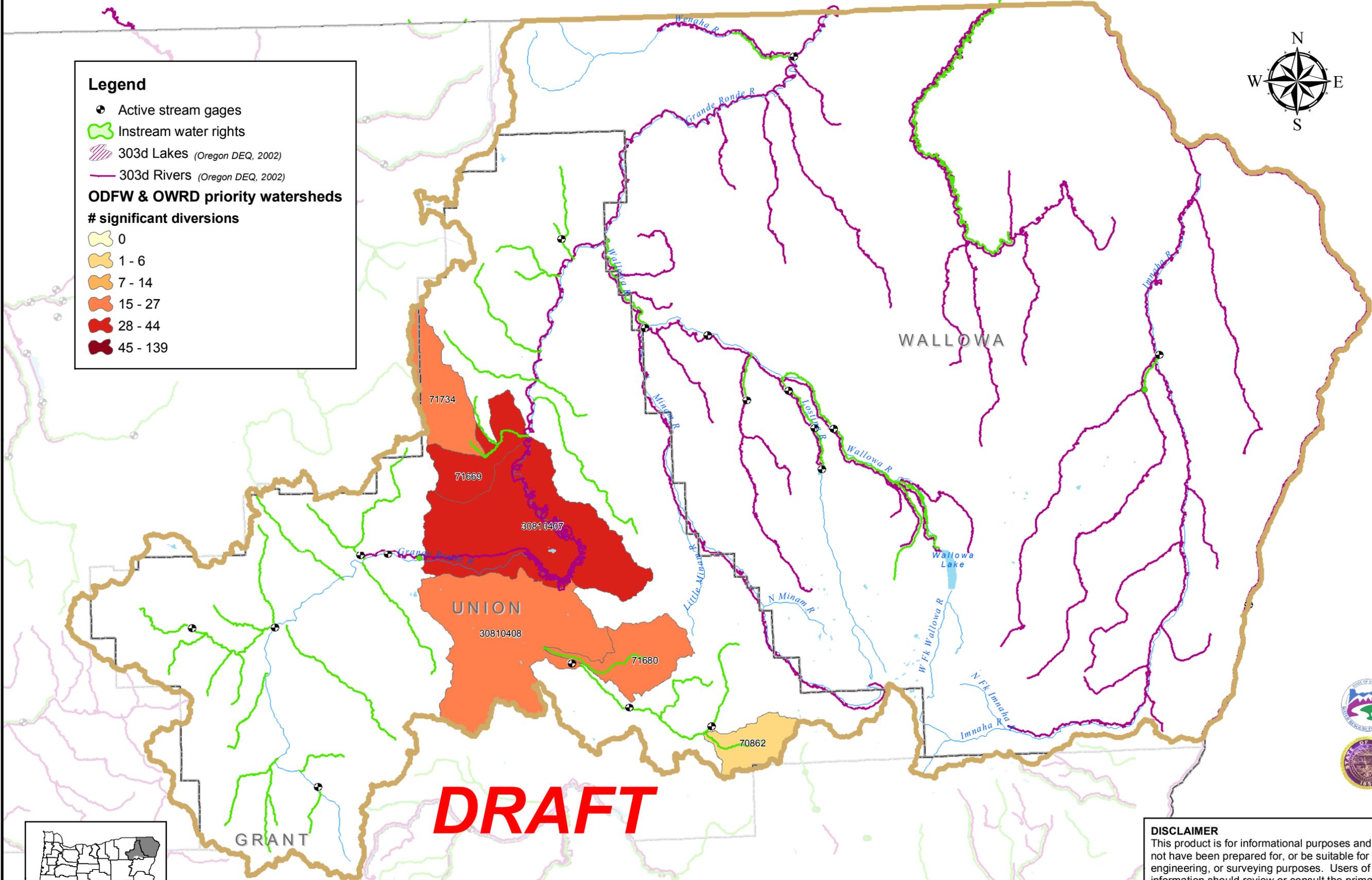
Legend

- ⊕ Active stream gages
- 🌿 Instream water rights
- 🌊 303d Lakes (Oregon DEQ, 2002)
- 🟡 303d Rivers (Oregon DEQ, 2002)

ODFW & OWRD priority watersheds

significant diversions

- 🟡 0
- 🟠 1 - 6
- 🟡 7 - 14
- 🟠 15 - 27
- 🔴 28 - 44
- 🟡 45 - 139



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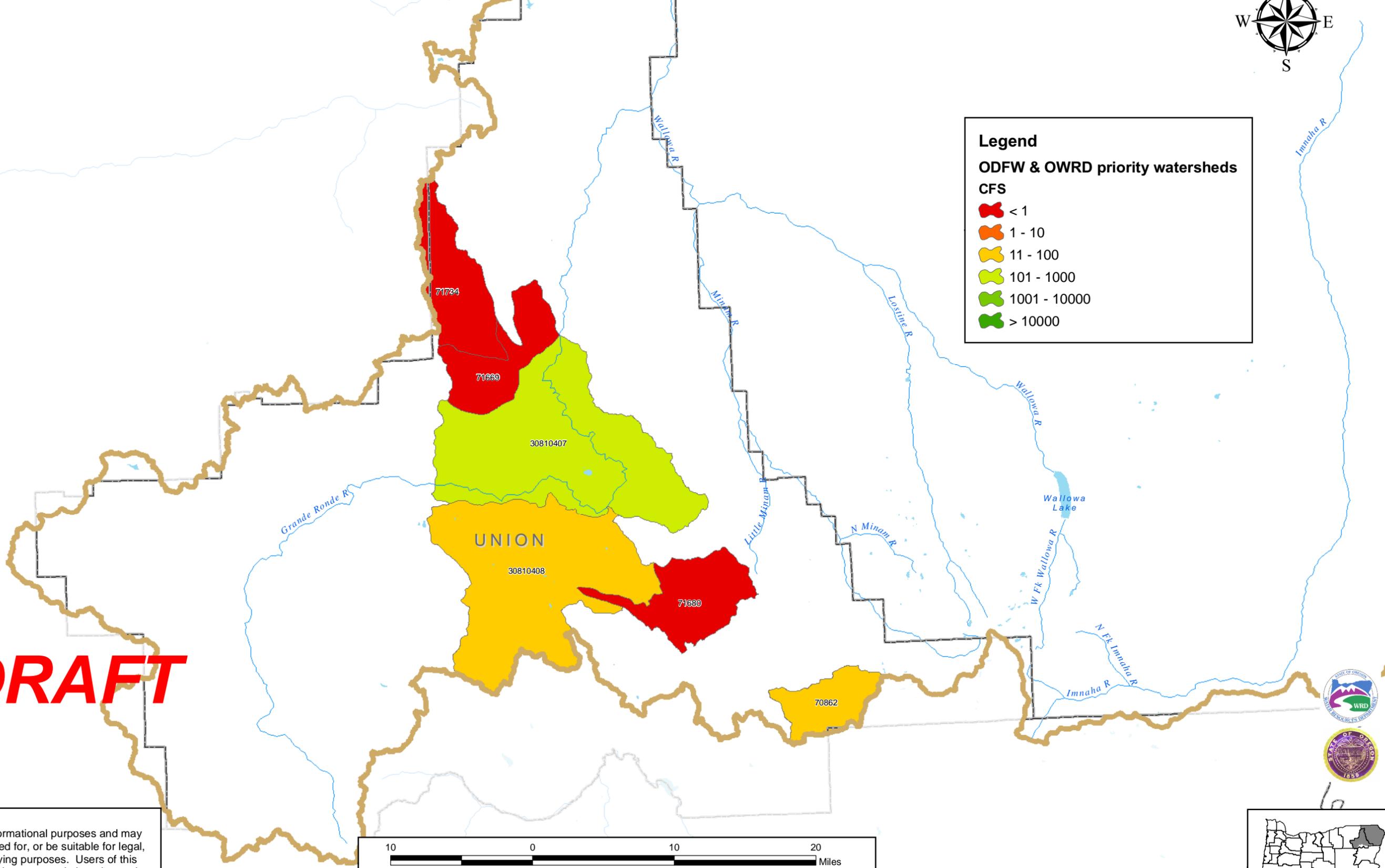
Expected Stream Flow for August in the Grande Ronde Basin Calculated at 50% Exceedance



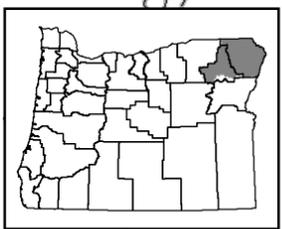
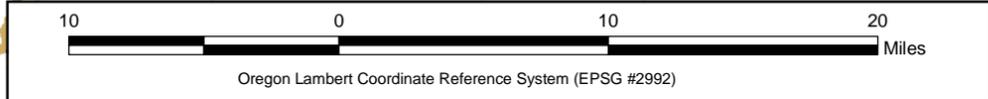
Legend
ODFW & OWRD priority watersheds
CFS

- < 1
- 1 - 10
- 11 - 100
- 101 - 1000
- 1001 - 10000
- > 10000

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Powder

Measurement Activities in Priority Watersheds in the Powder Basin

3/9/2007

WS_ID#	Watershed	# significant diversions	# measuring device(s)	# with measuring conditions	Instream Water Rights?	303d stream/lakes?	# gages on streams
235	Clear Cr > Pine Cr -	39	35	1	Yes	Yes	
70863	Pine Cr > Snake R -	10	8		Yes	Yes	
70870	E Pine Cr > Pine Cr	22	19	1	Yes	Yes	
72192	Powder R > Snake R -	12	33	16	Yes	Yes	1
30920306	Eagle Cr > Powder R	3	4	4	Yes		
30920329	Salmon Cr > Powder R	139	80	123			1

*Consumptive use as a percent of natural streamflow
(50% exceedance) in priority watersheds in the
Powder Basin*

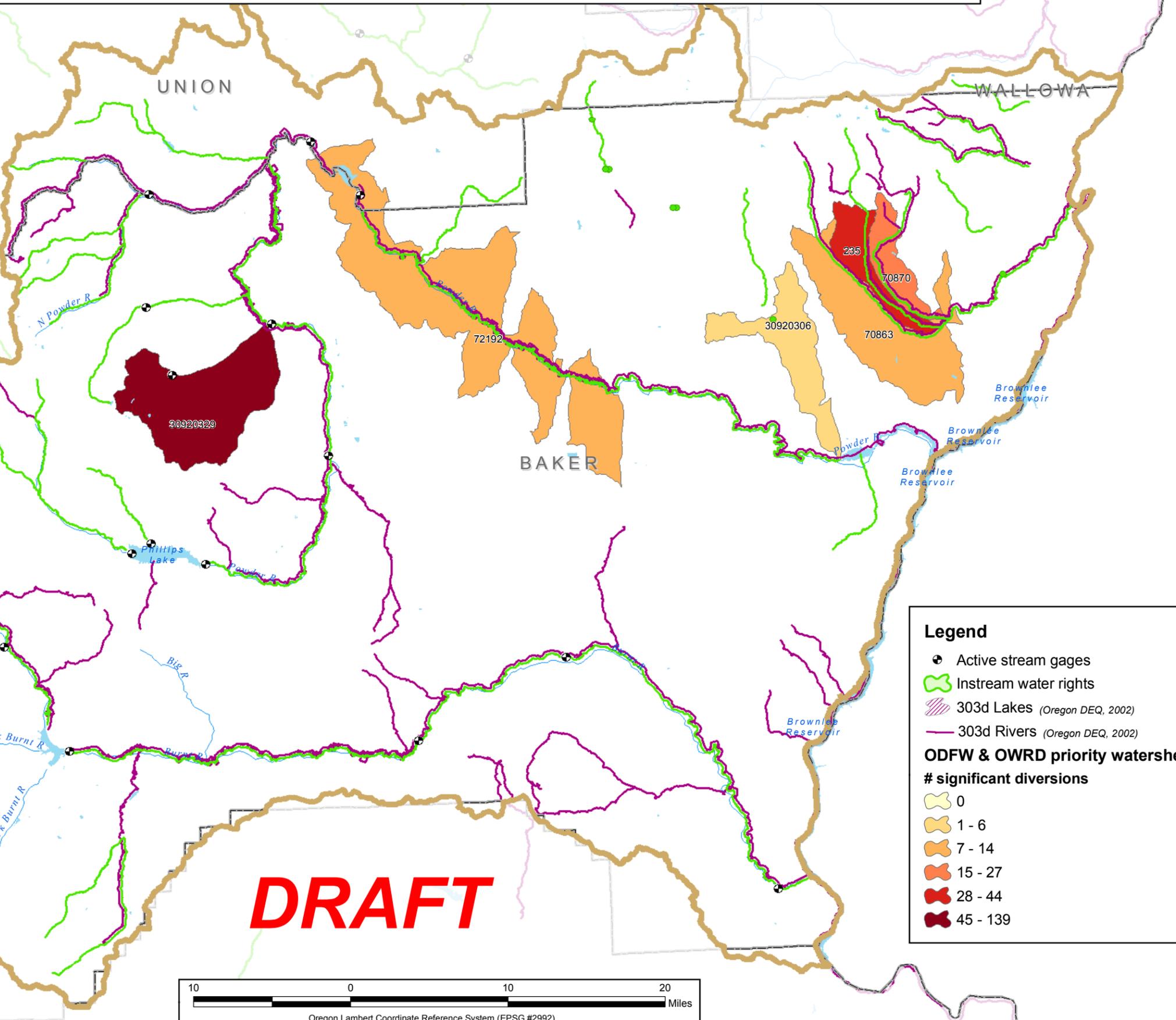
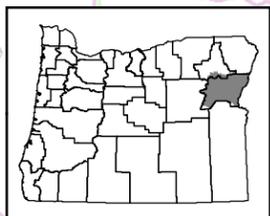
<i>Legend</i>	
< 30%	18
30% - 60%	53
60% - 90%	78
> 90%	94

<i>WS_ID#</i>	<i>January</i>	<i>February</i>	<i>March</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>August</i>	<i>September</i>	<i>October</i>	<i>November</i>	<i>December</i>
235	0.84	0.8	0.77	16.5	25.2	22.9	42	34.7	19.8	0.9	0.87	0.85
70863	1.1	0.92	0.83	13	18	16	54.2	69.4	49.7	1.38	1.24	1.13
70870	1.07	1.03	1.06	19	41.2	50.7	96.5	72	36.3	1.27	1.17	1.1
72192	86.5	61.3	47.8	43.7	83.4	116	207	254	295	108	68.7	106
30920306	4.08	3.74	5.21	8.95	6.5	7.36	23.7	38.8	37.8	22.5	4	4.13
30920329	338	276	190	153	268	331	554	800	921	655	416	425

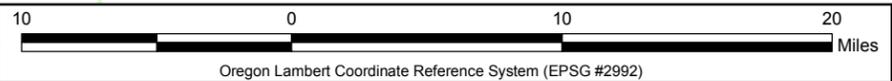
MEASUREMENT ACTIVITIES IN PRIORITY WATERSHEDS IN THE POWDER BASIN

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Oregon Lambert Coordinate Reference System (EPSG #2992)

Legend

- Active stream gages
- Instream water rights
- ▨ 303d Lakes (Oregon DEQ, 2002)
- 303d Rivers (Oregon DEQ, 2002)

ODFW & OWRD priority watersheds

significant diversions

- 0
- 1 - 6
- 7 - 14
- 15 - 27
- 28 - 44
- 45 - 139

Expected Stream Flow for August in the Powder Basin Calculated at 50% Exceedance

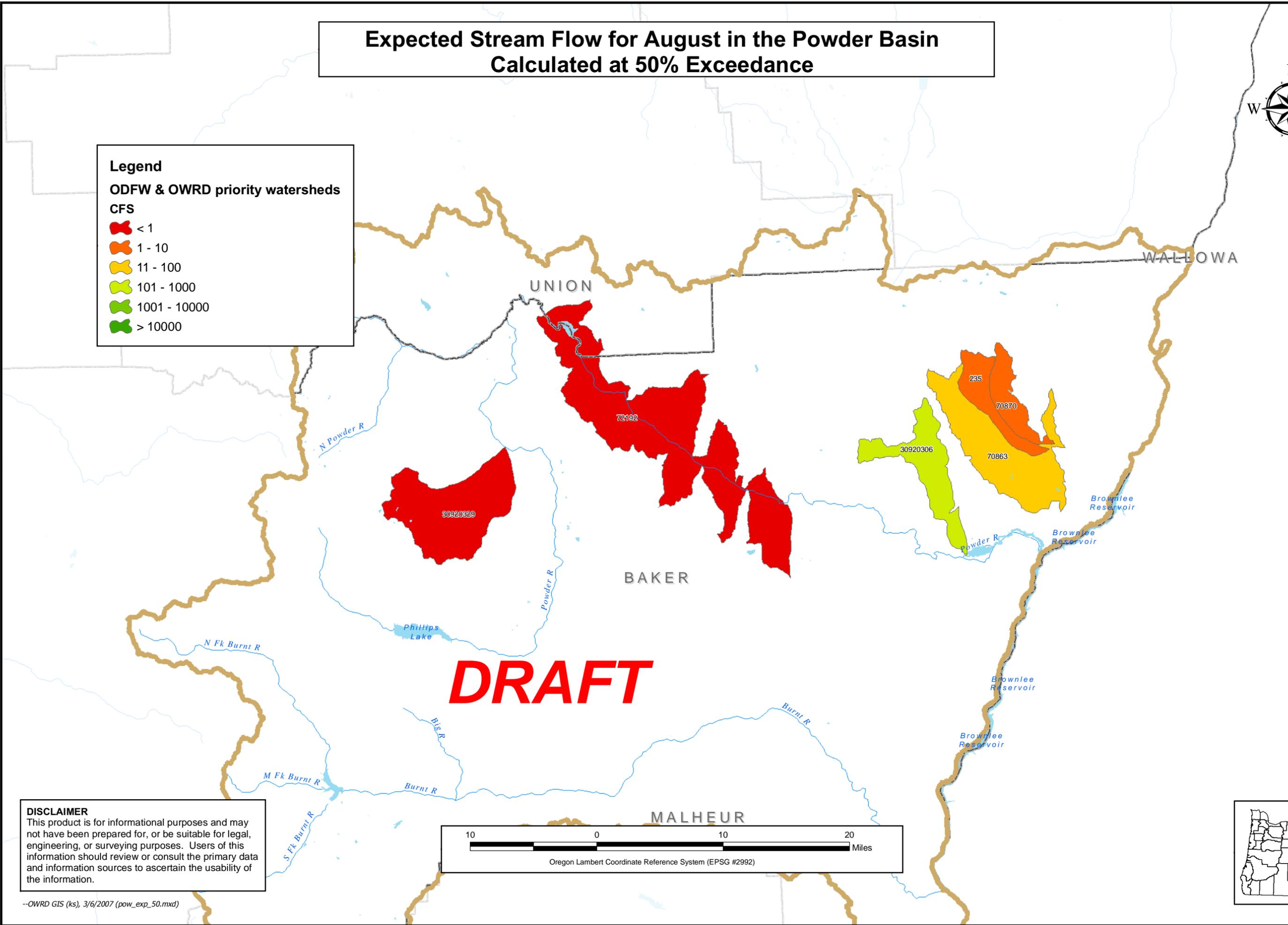


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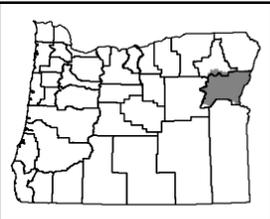
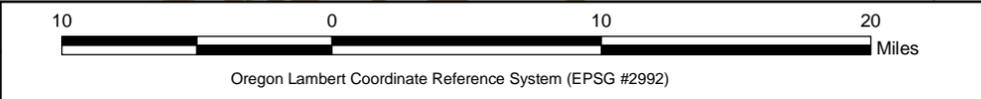
ODFW & OWRD priority watersheds

CFS

- < 1
- 1 - 10
- 11 - 100
- 101 - 1000
- 1001 - 10000
- > 10000



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Malheur

Measurement Activities in Priority Watersheds in the Malheur Basin

3/9/2007

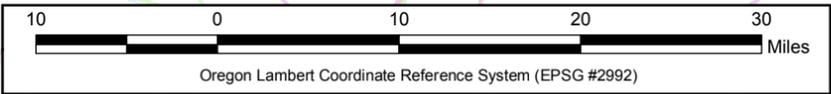
WS_ID#	Watershed	# significant diversions	# measuring device(s)	# with measuring conditions	Instream Water Rights?	303d stream/lakes?	# gages on streams
70309	Swamp Cr @ Mouth				Yes		
70351	Lake Cr Ab Mccoy Cr	1			Yes	Yes	
70352	Big Cr Ab Unn Str	1			Yes	Yes	
71450	Bosonberg Cr @ Mouth	2			Yes	Yes	
71451	Bully Cr Ab Unn Str	20		1	Yes		
71452	Calamity Cr @ Mouth	4			Yes		
71455	Mccoy Cr @ Mouth	4			Yes		
71462	S Willow Cr @ Mouth	8	1	2	Yes		
71466	Wolf Cr @ Mouth	11			Yes		
31011624	Coleman Cr @ Mouth	6					
31011654	Wolf Cr Ab Calamity	2					
31011658	Lake Cr @ Mouth	1			Yes	Yes	

**Consumptive use as a percent of natural streamflow
(50% exceedance) in priority watersheds in the
Malheur Basin**

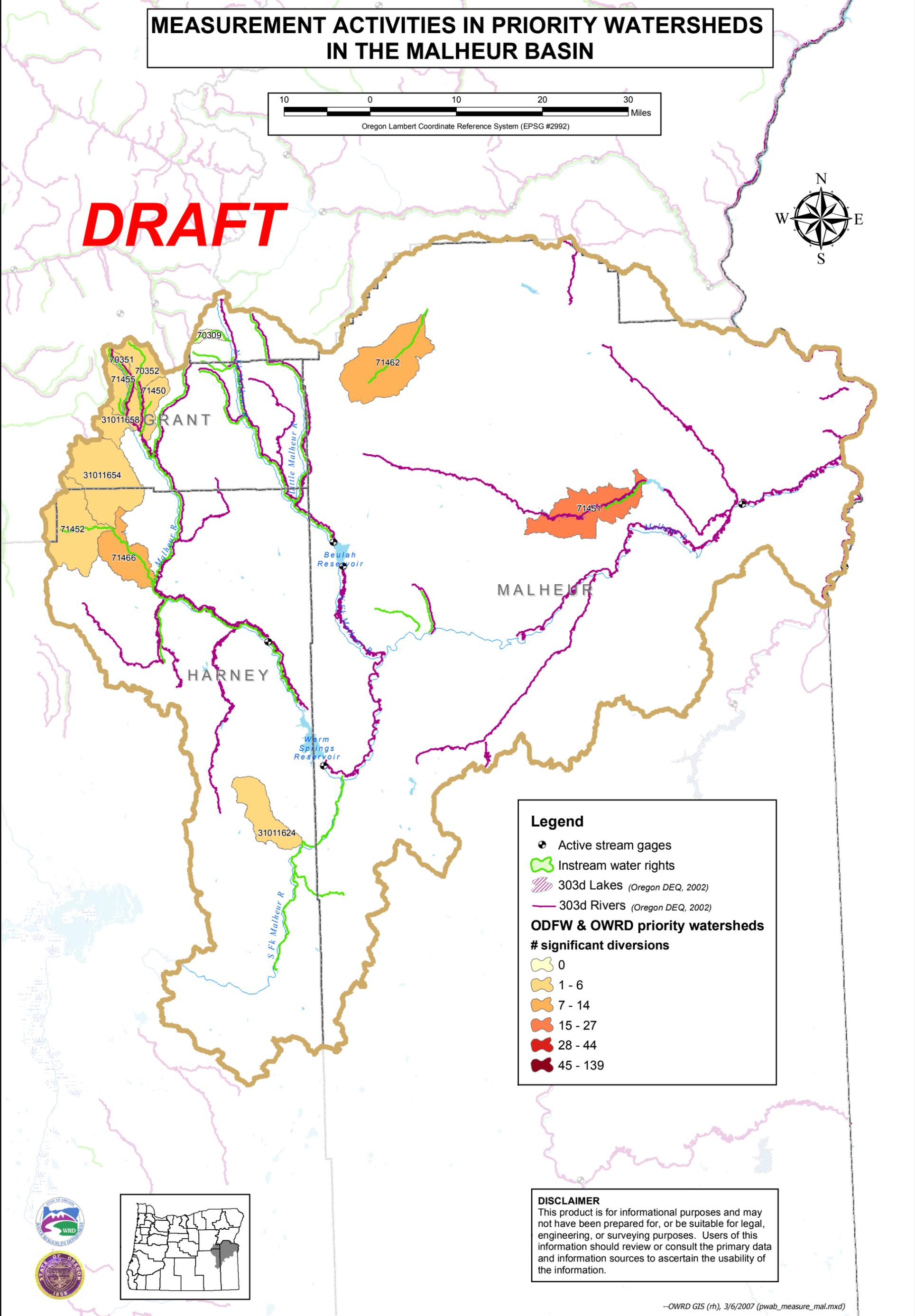
Legend	
< 30%	18
30% - 60%	53
60% - 90%	78
> 90%	94

WS_ID#	January	February	March	April	May	June	July	August	September	October	November	December
70309	0	0	0	3.31	2.88	5	9.81	9.93	6.69	1.88	0	0
70351	0	0	0	4.43	3.95	5.55	16.4	23	17.6	3.37	0	0
70352	0	0	0	1.38	1.43	2.12	6.18	8.21	6.58	1.2	0	0
71450	0	0	0	1.55	3.21	8.27	26.5	31.5	23.9	3.94	0	0
71451	8.55	8.52	15	39.1	185	212	185	165	111	46.3	8.61	8.58
71452	0.26	0.2	1.2	2.38	12.1	23.7	19.8	12.2	7.43	2.32	0.33	0.27
71455	0	0	0	2.55	4.2	9	27.3	33.4	24.6	4.21	0	0
71462	1.11	1.12	4.81	11.3	43.7	48.3	39.1	36.4	22.3	9.68	1.11	1.12
71466	0.88	0.8	2.14	4.65	21.2	43	51.6	43.2	30.2	7	1.02	0.92
31011624	0.59	0.63	3.28	12	56.9	60.9	62.9	61.4	42.4	21.5	0.63	0.59
31011654	0.3	0.25	0.18	1.19	3.74	12.4	40.5	47.7	36.4	6.03	0.41	0.33
31011658	0	0	0	2.51	4.54	8.3	24.8	32.7	24.7	4.47	0	0

MEASUREMENT ACTIVITIES IN PRIORITY WATERSHEDS IN THE MALHEUR BASIN



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Legend

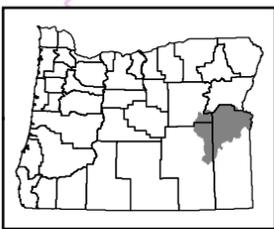
- Active stream gages
- Instream water rights
- ▨ 303d Lakes (Oregon DEQ, 2002)
- 303d Rivers (Oregon DEQ, 2002)

ODFW & OWRD priority watersheds

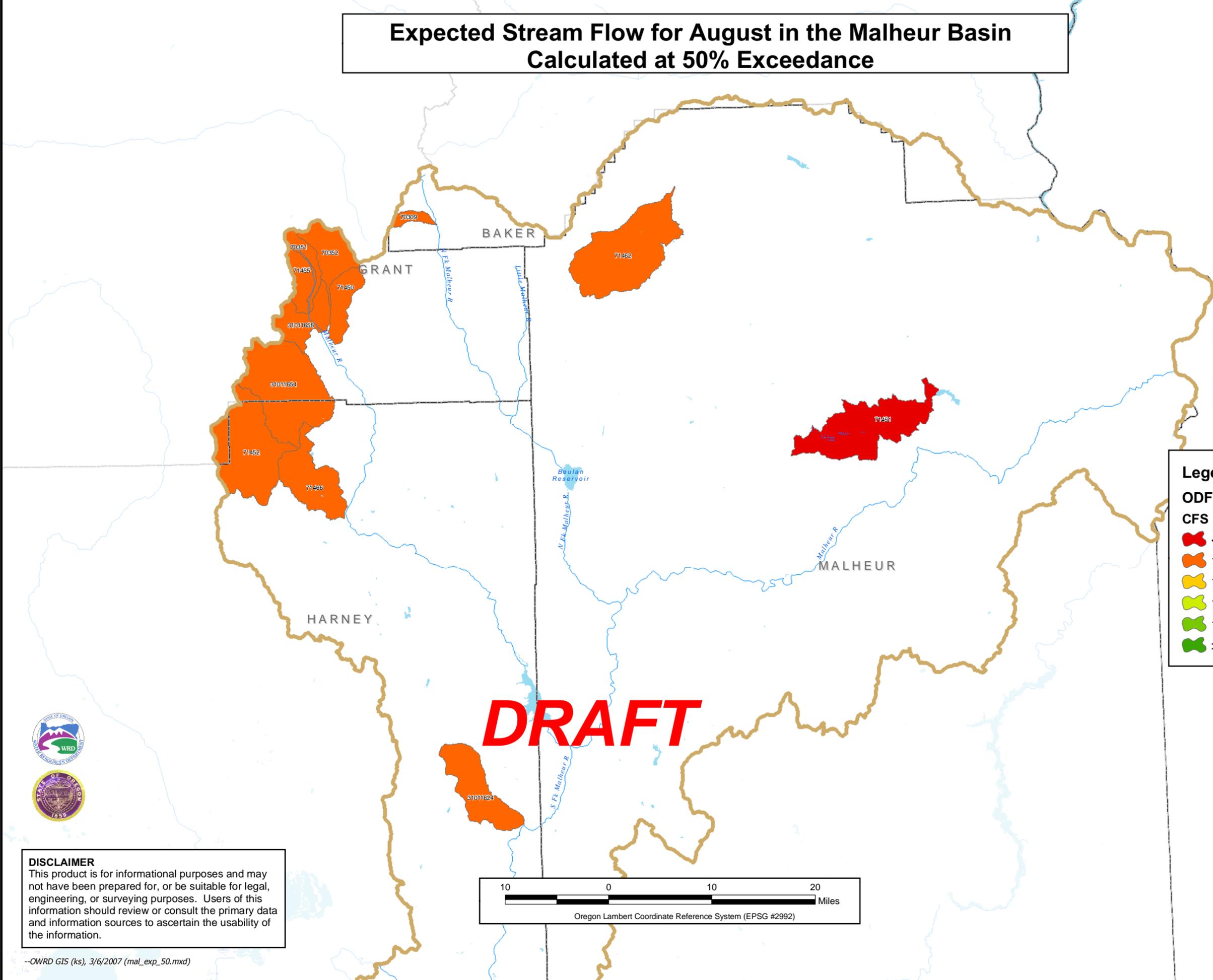
significant diversions

- 0
- 1 - 6
- 7 - 14
- 15 - 27
- 28 - 44
- 45 - 139

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Expected Stream Flow for August in the Malheur Basin Calculated at 50% Exceedance

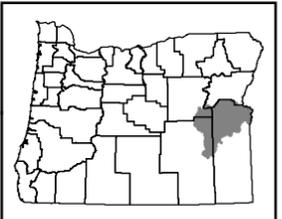
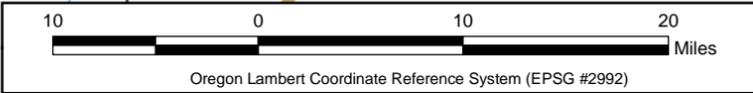


Legend
ODFW & OWRD priority watersheds
CFS

- < 1
- 1 - 10
- 11 - 100
- 101 - 1000
- 1001 - 10000
- > 10000



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Owyhee

Measurement Activities in Priority Watersheds in the Owyhee Basin

3/9/2007

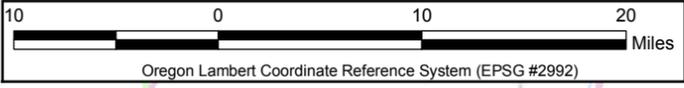
WS_ID#	Watershed	# significant diversions	# measuring device(s)	# with measuring conditions	Instream Water Rights?	303d stream/lakes?	# gages on streams
31111001	Owyhee R > Snake R A	4	12			Yes	1
31120102	Mcdermitt Cr > Quinn					Yes	
31120105	Mcdermitt Cr > Quinn					Yes	

*Consumptive use as a percent of natural streamflow
(50% exceedance) in priority watersheds in the
Owyhee Basin*

<i>Legend</i>	
< 30%	18
30% - 60%	53
60% - 90%	78
> 90%	94

<i>WS_ID#</i>	<i>January</i>	<i>February</i>	<i>March</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>August</i>	<i>September</i>	<i>October</i>	<i>November</i>	<i>December</i>
31111001	154	89.3	67.7	67.8	95.2	172	468	545	487	219	117	133

MEASUREMENT ACTIVITIES IN PRIORITY WATERSHEDS IN THE OWYHEE BASIN



Legend

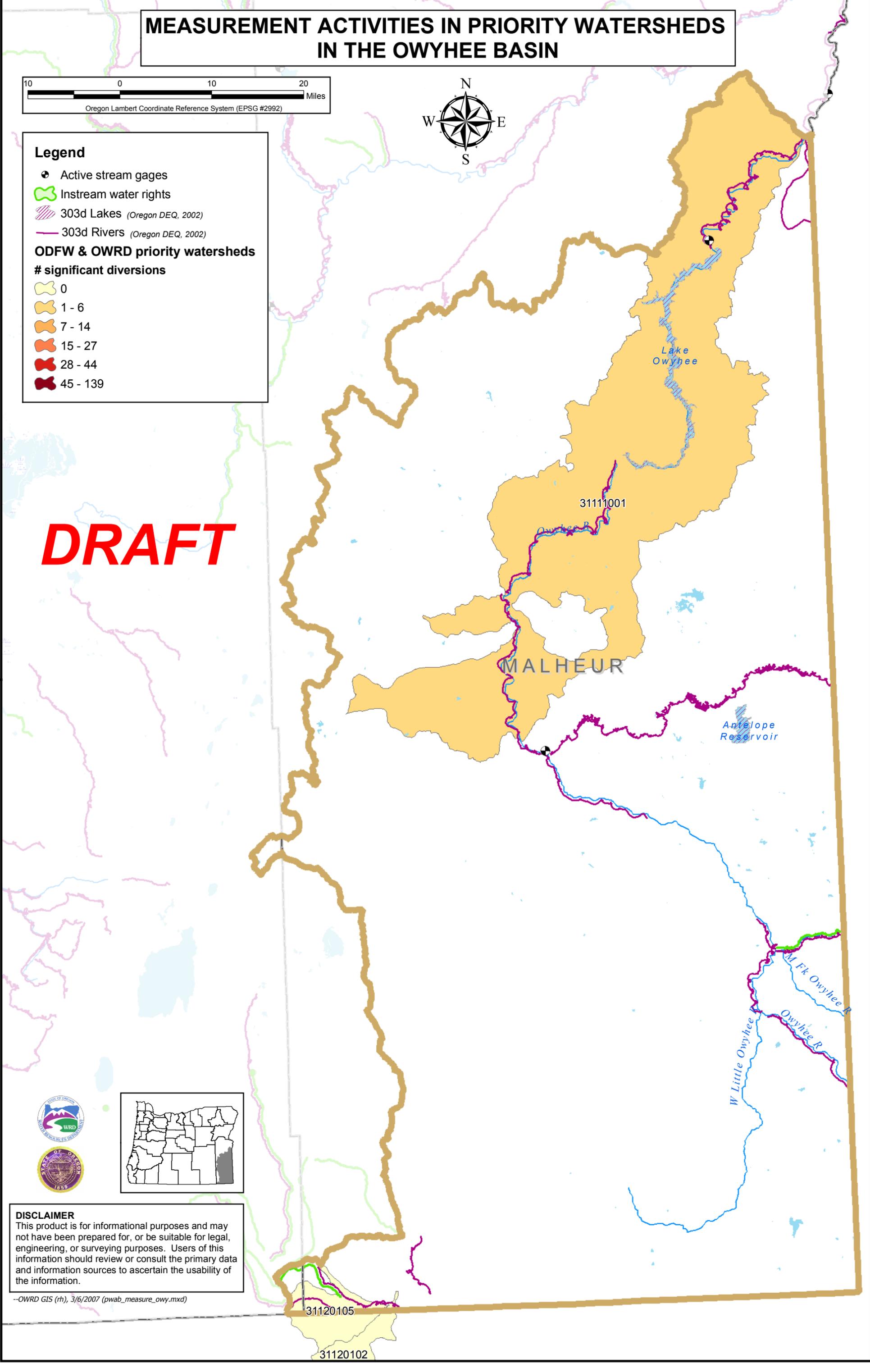
- Active stream gages
- Instream water rights
- 303d Lakes (Oregon DEQ, 2002)
- 303d Rivers (Oregon DEQ, 2002)

ODFW & OWRD priority watersheds

significant diversions

- 0
- 1 - 6
- 7 - 14
- 15 - 27
- 28 - 44
- 45 - 139

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31111001

MALHEUR

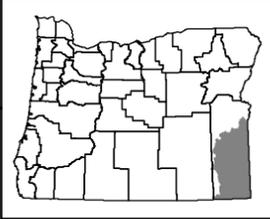
Lake Owyhee

Antelope Reservoir

W Little Owyhee R
M. Fk Owyhee R
Owyhee R

31120105

31120102

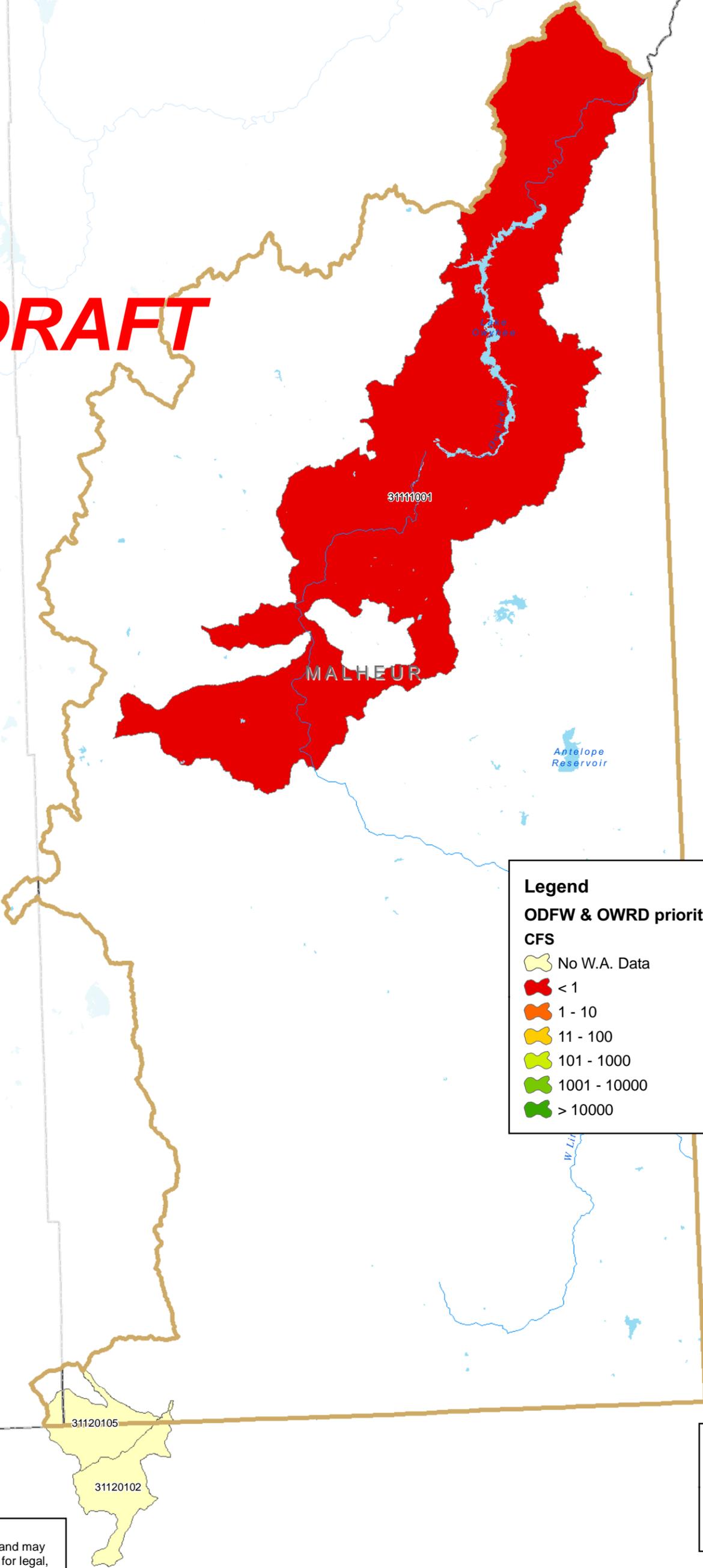


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--OWRD GIS (rh), 3/6/2007 (pwab_measure_owy.mxd)

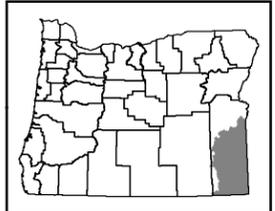
**Expected Stream Flow for August in the Owyhee Basin
Calculated at 50% Exceedance**

DRAFT



Legend
ODFW & OWRD priority watersheds
CFS

- No W.A. Data
- < 1
- 1 - 10
- 11 - 100
- 101 - 1000
- 1001 - 10000
- > 10000



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Malheur Lake

Measurement Activities in Priority Watersheds in the Malheur Lake Basin

3/9/2007

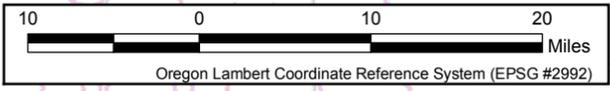
WS_ID#	Watershed	# significant diversions	# measuring device(s)	# with measuring conditions	Instream Water Rights?	303d stream/lakes?	# gages on streams
71467	Bear Cr @ Mouth	16			Yes		
71472	Silvies R Ab Trout C	52		2	Yes	Yes	
31200303	Cucamonga Cr @ Mouth	17					
31200311	Donner Und Blitzen R	2	2	2		Yes	

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(50% exceedance) in priority watersheds in the
Malheur Lake Basin*

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71467	0.83	0.49	5.39	10.1	26.4	33.2	38.1	35.5	26.6	1.19	0.89	0.96
71472	2.64	2.19	7.51	12.6	42.3	69.9	83.9	73.4	53.5	3.62	3.03	2.85
31200303	0.06	0	18.5	23.2	27.8	33	65.5	69.9	38.3	18.8	0.07	0.05
31200311	110	107	157	73.2	73.6	77.7	79.5	58.1	32.6	150	146	110

MEASUREMENT ACTIVITIES IN PRIORITY WATERSHEDS IN THE MALHEUR LAKE BASIN



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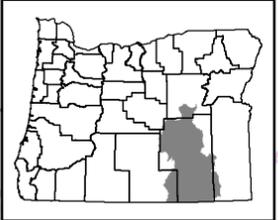
Legend

- Active stream gages
- 🌿 Instream water rights
- 🌊 303d Lakes (Oregon DEQ, 2002)
- 🟡 303d Rivers (Oregon DEQ, 2002)

ODFW & OWRD priority watersheds

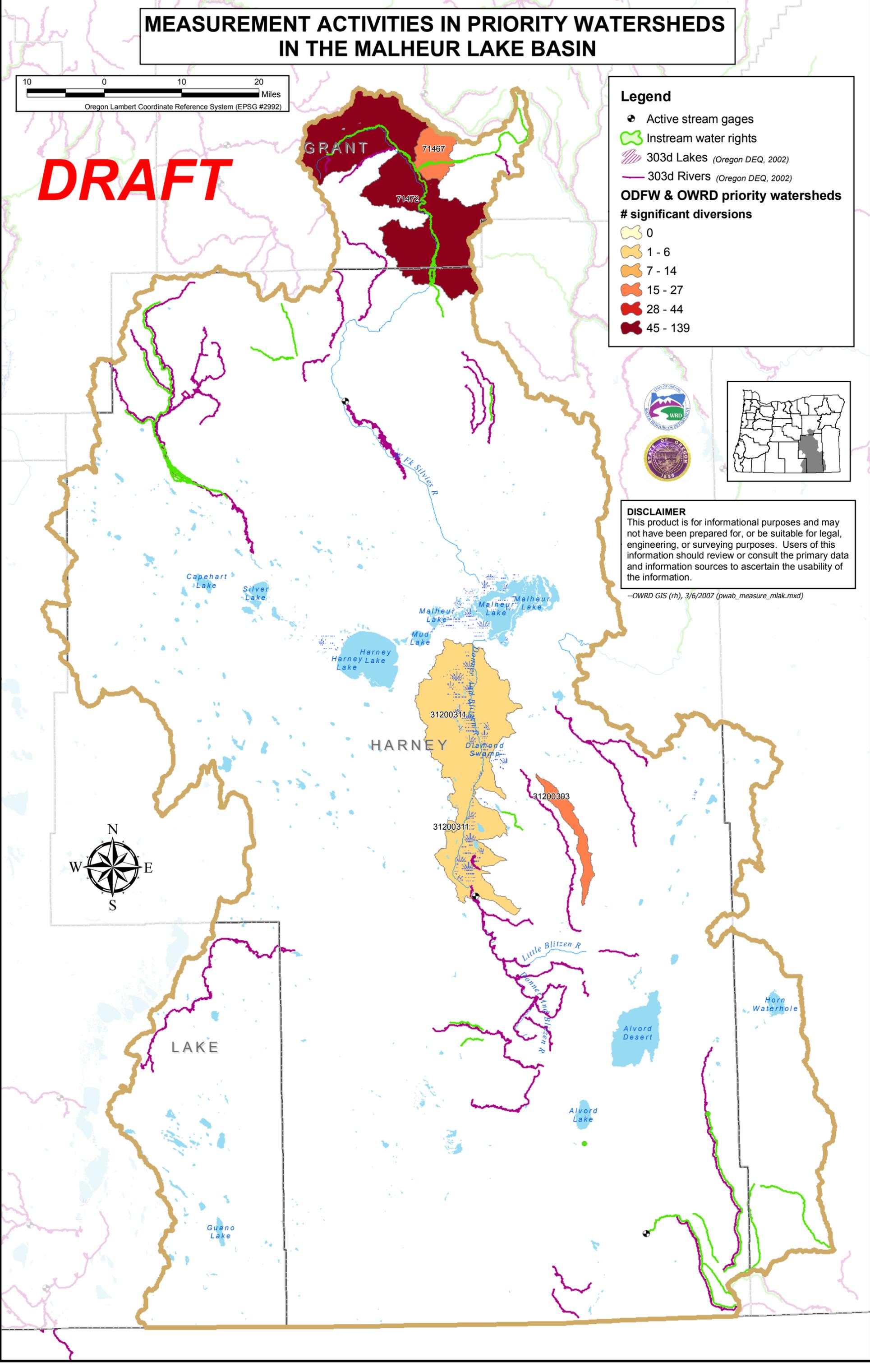
significant diversions

- 🟡 0
- 🟠 1 - 6
- 🟡 7 - 14
- 🟠 15 - 27
- 🔴 28 - 44
- 🟡 45 - 139



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-OWRD GIS (rh), 3/6/2007 (pwab_measure_mlak.mxd)



Expected Stream Flow for August in the Malheur Lake Basin Calculated at 50% Exceedance

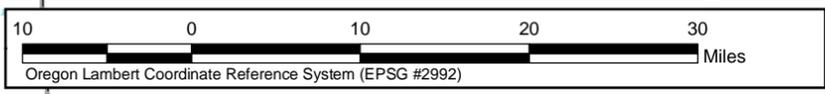
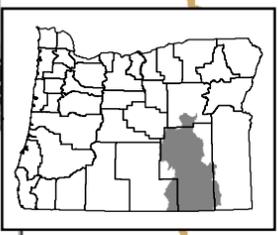
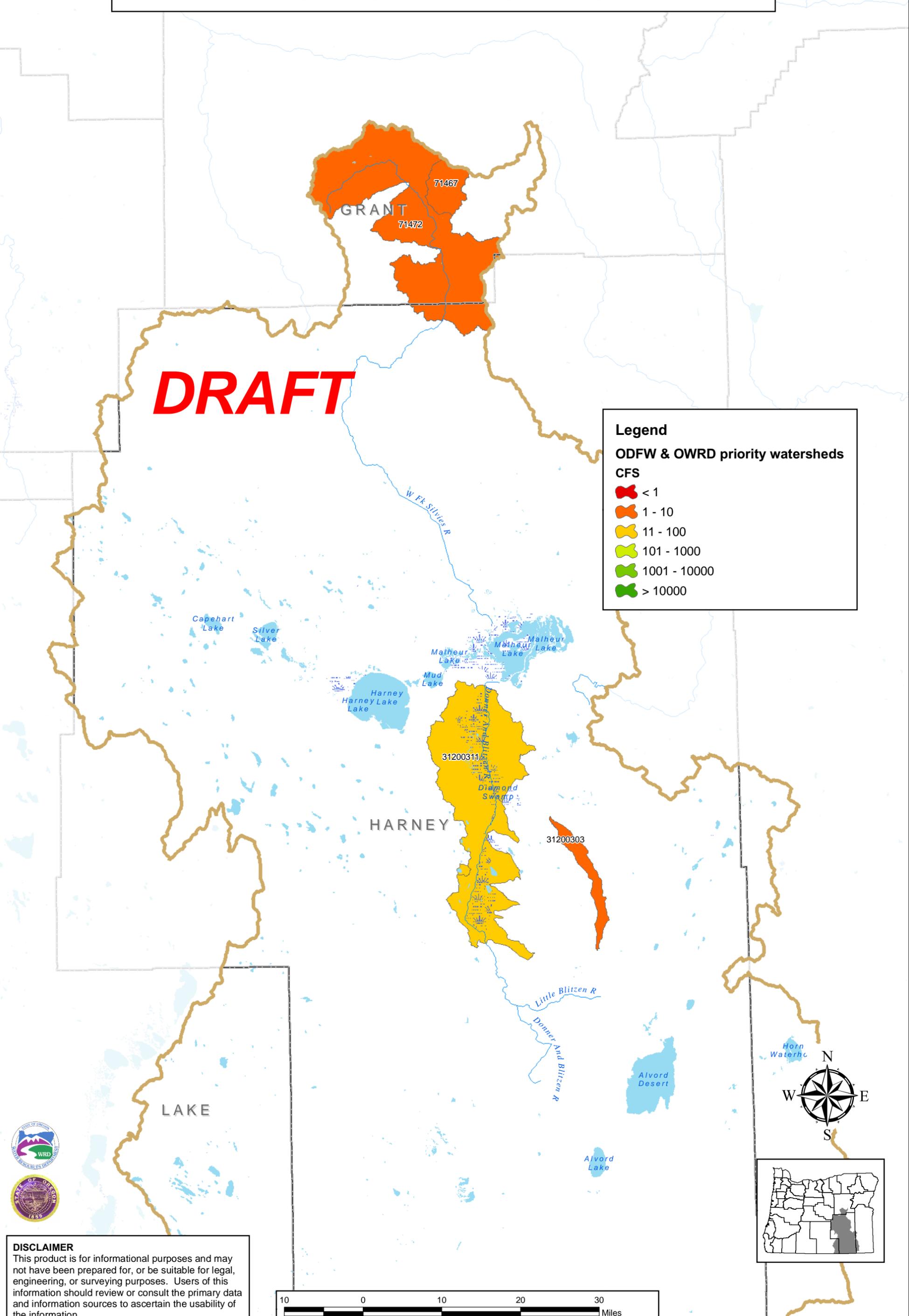
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Legend

ODFW & OWRD priority watersheds

CFS

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