

Table 3. Water-quality data and selected quality assurance data from the July 2005 synoptic sampling in the North Umpqua River Basin, Oregon

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Date	Time	Water temperature (degrees Celsius)	Barometric pressure (mm Hg)	Discharge (ft ³ /s)	Specific conductance, field (μS/cm)	pH, field (standard units)	Dissolved oxygen, field (mg/L)	Dissolved oxygen (% saturation)	Bicarbonate (mg/L as HCO ₃ ⁻)	Ammonia (mg/L as N)	Total Kjeldahl nitrogen (mg/L as N)	Nitrite plus nitrate (mg/L as N)	Total phosphorus (mg/L as P)	Dissolved orthophosphate (mg/L as P)	Total organic carbon (mg/L)	Dissolved organic carbon (mg/L)	Dissolved arsenic (mg/L)	Dissolved silica (mg/L as SiO ₂)	Remarks
INLET 431839122091300 North Umpqua River above Lemolo Lake near Inlet Campground, Oregon																			
7/25/2005	17:20	7.9	659	257	53	7.6	10.6	103	--	<0.02	<0.06E	0.008	0.07	0.067	<1	<1	--	--	
LAKEM 431750122104500 Lake Creek above Lemolo Lake near Diamond Lake, Oregon																			
7/25/2005	16:51	18.5	659	--	37	7.8	8.2	101	--	--	--	--	--	--	--	--	--	--	
7/26/2005	07:50	10.0	659E	--	39	7.4	9.8	100	--	--	--	--	--	--	--	--	--	--	
7/26/2005	09:30	10.8	659	12.4	38	7.4	9.8	102	--	<0.02	<0.06E	0.033	0.03	0.015	<1	<1	--	--	
LEM1G 14313500 North Umpqua River below Lemolo Lake, near Toketee Falls, Oregon																			
7/26/2005	07:50	10.2	664	38	53	7.5	9.8	100	--	0.02	<0.06E	0.027	0.06	0.043	<1	<1	--	--	
TOKLKI 431617122242200 North Umpqua River above Toketee Lake, Oregon																			
7/25/2005	12:40	11.9	700	238	68	7.4	10.9	110	--	<0.02	<0.06E	0.004E	0.04	0.034	<1	<1	--	--	
7/26/2005	06:22	10.5	700E	--	70	7.4	9.6	93	--	--	--	--	--	--	--	--	--	--	
CLR2P 431553122243400 Clearwater Canal No. 2 Penstock Inflow, Oregon																			
7/25/2005	18:50	11.3	680	--	71	8.1	10.8	111	--	<0.02	<0.06E	0.002E	0.08	0.069	<1	<1	--	--	
7/25/2005	18:51	--	--	--	--	--	--	--	--	<0.02	<0.06E	0.002E	0.07	0.072	<1	<1	--	--	QC replicate
CLR2B 431546122250600 Clearwater Canal No. 2 Bypass Reach, Oregon																			
7/25/2005	17:10	8.6	700	101 ^a	70	7.7	10.3	96	--	<0.02	<0.06E	0.010	0.08	0.074	<1	<1	--	--	
7/26/2005	07:03	7.2	700E	--	60	7.6	11.2	96	--	--	--	--	--	--	--	--	--	--	
TOKET 431552122252100 North Umpqua River at Toketee Falls, Oregon																			
7/25/2005	19:55	--	--	--	--	--	--	--	--	<0.02	<0.06E	0.011	0.08	0.057	<1	<1	--	--	
7/25/2005	17:50	11.5	699	47	62	7.5	10.8	108	--	--	--	--	--	--	--	--	--	--	
7/26/2005	07:40	8.0	699E	--	62	7.4	11.5	105	--	--	--	--	--	--	--	--	--	--	

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Date	Time	Water temperature (degrees Celsius)	Barometric pressure (mm Hg)	Discharge (ft ³ /s)	Specific conductance, field (μS/cm)	pH, field (standard units)	Dissolved oxygen, field (mg/L)	Dissolved oxygen (% saturation)	Bicarbonate (mg/L as HCO ₃ ⁻)	Ammonia (mg/L as N)	Total Kjeldahl nitrogen (mg/L as N)	Nitrite plus nitrate (mg/L as N)	Total phosphorus (mg/L as P)	Dissolved orthophosphate (mg/L as P)	Total organic carbon (mg/L)	Dissolved organic carbon (mg/L)	Dissolved arsenic (mg/L)	Dissolved silica (mg/L as SiO ₂)	Remarks
BSODA 14316460 North Umpqua River at Soda Springs, near Toketee Falls, Oregon																			
7/26/2005	12:40	13.5	715	630	61	7.9	9.7	100	35	<0.02	<0.06E	0.004E	0.06	0.044	<1	<1	--	--	
7/26/2005	12:40	--	--	--	--	--	--	--	--	<0.04 ^a	0.04 ^b	<0.06 ^a	0.054	0.034		0.8			Split sample, analyzed by USGS lab
7/29/2005	02:00	14.0	715E	--	64	8	10.1	105	--	--	--	--	--	--	--	--	--	--	
7/29/2005	12:50	14.5	715E	--	61	8.2	10.1	105	--	<0.02	<0.06E	0.0040E	0.05	0.043E	<1	<1	<0.010	29.9	
7/29/2005	17:00	15.0	715E	--	60	8.3	9.8	104	--	--	--	--	--	--	--	--	--	--	
BOULDM 14316495 Boulder Creek near Toketee Falls, Oregon																			
7/26/2005	16:40	18.9	715	9.5	71	7.7	8.2	94	--	<0.02	<0.06E	0.012	0.02	0.015	<1	<1	--	--	
COPEG 14316500 North Umpqua River above Copeland Creek near Toketee Falls, Oregon																			
7/26/2005	17:20	14.5	722	754	62	7.8	10.1	104	--	<0.02	<0.06E	0.009	0.05	0.044	<1	<1	--	--	
7/27/2005	10:40	13.8	722	743	63	7.8	9.4	96	--	<0.02	<0.06E	0.004E	0.06	0.043	<1	<1	--	--	
7/27/2005	10:41	--	--	--	--	--	--	--	--	<0.02	<0.06E	0.004E	0.05	0.043	<1	<1	--	--	QC replicate
7/29/2005	05:51	14.0	720	743	64	7.4	9.8	101	--	--	--	--	--	--	--	--	--	--	
COPEM 431730122323800 Copeland Creek near mouth above North Umpqua River near Toketee Falls, Oregon																			
7/26/2005	15:20	19.0	722E	--	124	7.8	8.9	102	--	--	--	--	--	--	--	--	--	--	
7/27/2005	06:06	16.0	722E	--	123	7.4	9.1	98	--	--	--	--	--	--	--	--	--	--	
7/27/2005	14:10	19.8	722	13.4 ^b	127	8.1	8.9	103	--	<0.02	<0.06E	0.009	0.01	0.008	<1	<1E	--	--	
CALFM 431728122370800 Calf Creek near mouth above North Umpqua River near Steamboat, Oregon																			
7/26/2005	16:24	21.0	725E	--	79	7.9	8.7	103	--	--	--	--	--	--	--	--	--	--	
7/27/2005	08:50	16.5	725	4.6	80	7.6	8.8	95	--	<0.02	<0.06E	0.04	0.02	0.013	<1	<1	--	--	

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Date	Time	Water temperature (degrees Celsius)	Barometric pressure (mm Hg)	Discharge (ft ³ /s)	Specific conductance, field (μS/cm)	pH, field (standard units)	Dissolved oxygen, field (mg/L)	Dissolved oxygen (% saturation)	Bicarbonate (mg/L as HCO ₃ ⁻)	Ammonia (mg/L as N)	Total Kjeldahl nitrogen (mg/L as N)	Nitrite plus nitrate (mg/L as N)	Total phosphorus (mg/L as P)	Dissolved orthophosphate (mg/L as P)	Total organic carbon (mg/L)	Dissolved organic carbon (mg/L)	Dissolved arsenic (mg/L)	Dissolved silica (mg/L as SiO ₂)	Remarks
PANTM 431815122404400 Panther Creek near mouth above North Umpqua River near Steamboat, Oregon																			
7/27/2005	07:08	17.4	725E	3.4	99	7.8	8.8	97	--	--	--	--	--	--	--	--	--	--	--
7/28/2005	06:50	--	--	--	70	7.7E	--	--	--	<0.02	<0.06E	0.007	0.03	0.024E	<1	<1	--	--	--
NUAPC 431820122403700 North Umpqua River above Apple Creek near Steamboat, Oregon																			
7/27/2005	06:49	13.5	725	--	65	7.5	9.7	98	--	--	--	--	--	--	--	--	--	--	--
7/27/2005	09:00	13.8	725	--	65	7.8	10.3	105	--	<0.02	<0.06E	0.003E	0.05	0.040	<1	<1	--	--	--
7/28/2005	17:57	17.0	725E	644E	66	8.0	9.6	105	--	--	--	--	--	--	--	--	--	--	--
MOTTB 432034122440100 North Umpqua River above Steamboat Creek at Mott Bridge near Steamboat, Oregon																			
7/28/2005	07:10	13.0	--	--	66	7.7	--	--	--	--	--	--	--	--	--	--	--	--	--
7/28/2005	10:50	15.1	727E	782	65	7.7	9.8	102	--	<0.02	<0.06E	0.003E	0.04	0.050E	<1	<1	--	--	--
7/28/2005	17:05	18.0	727E	--	67	8.1	9.0	100	--	--	--	--	--	--	--	--	--	--	--
7/29/2005	06:45	15.0	727E	--	65	7.4	9.6	100	--	--	--	--	--	--	--	--	--	--	--
STEAM 14316700 Steamboat Creek near Glide, Oregon																			
7/27/2005	17:19	23.2	728	66	78	8.9	8.7	107	--	0.02	<0.06E	0.008	0.02	0.007	<1	<1	--	--	--
7/27/2005	17:40	23.0	728	66	76	8.8	10.1	124	--	--	--	--	--	--	--	--	--	--	--
7/28/2005	08:00	19.5	728	65	74	7.6	10.9	124	--	--	--	--	--	--	--	--	--	--	--
NUSTM 432034122442500 North Umpqua River below Steamboat Creek near Steamboat, Oregon																			
7/28/2005	13:10	17.2	733	--	65	7.9	9.7	105	--	<0.02	0.07E	0.004E	0.04	0.035E	<1	<1	--	--	--
7/28/2005	18:50	19.0	733	--	66	7.9	11.9	133	--	--	--	--	--	--	--	--	--	--	--
7/29/2005	08:30	15.5	--	--	64	7.9	--	--	--	--	--	--	--	--	--	--	--	--	--
NUBWC 143316800 North Umpqua River below Steamboat Creek near Glide, Oregon																			
7/28/2005	15:48	18.3	735E	857	69	8.3	10.0	111	--	<0.02	<0.06E	0.003E	0.04	0.033E	<1	<1	--	--	--

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NURCR 14317450 North Umpqua River above Rock Creek near Glide, Oregon																			
7/26/2005	05:00	17.5	737	--	68	--	8.6	93	--	--	--	--	--	--	--	--	--	--	
7/27/2005	12:00	18.6	737	733	68	8.1	9.2	102	35	0.02E	<0.06E	0.006	0.04	0.031	<1	<1	--	--	
7/27/2005	12:00	--	--	--	--	--	--	--	--	<0.04 ^c	0.067 ^d	<0.06 ^c	0.04	0.023		1.1	--	--	Split sample, analyzed by USGS lab
7/29/2005	14:30	20.0	737	--	68	7.7	9.4	106		<0.02	<0.06E	0.005	0.04	0.032E	<1	<1	<0.010	26.5	
ROCKM 432000123000700 Rock Creek near mouth near Glide, Oregon																			
7/27/2005	14:10	--	--	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
7/28/2005	13:00	18.7	742	58	70	7.8	9.1	100	--	0.04E	0.07E	0.019	0.04	0.022E	<1	<1	--	--	
LITGL 431750123060000 Little River near mouth near Glide, Oregon																			
7/28/2005	16:20	25.9	743	40E	100	8.4	8.8	112	--	<0.02	<0.06E	0.004E	0.01	<0.005E	<1	<1	--	--	
NUGLD 431827123072200 North Umpqua River below Little River near Glide, Oregon																			
7/28/2005	11:00	19.2	742	838	68	7.9	9.6	107	--	0.03E	0.08E	0.008	0.04	0.025E	<1	<1	--	--	

^a Discharge measured on 7/26 at 11:00

^b Discharge measured on 7/26 at 14:20

^c Dissolved nutrient samples, filtered prior to submission to USGS National Water Quality Laboratory

^d Actually measured as total nitrogen (TN), not total Kjeldahl nitrogen (TKN).