Appendix: Groundwater Study

Groundwater Elevation Data

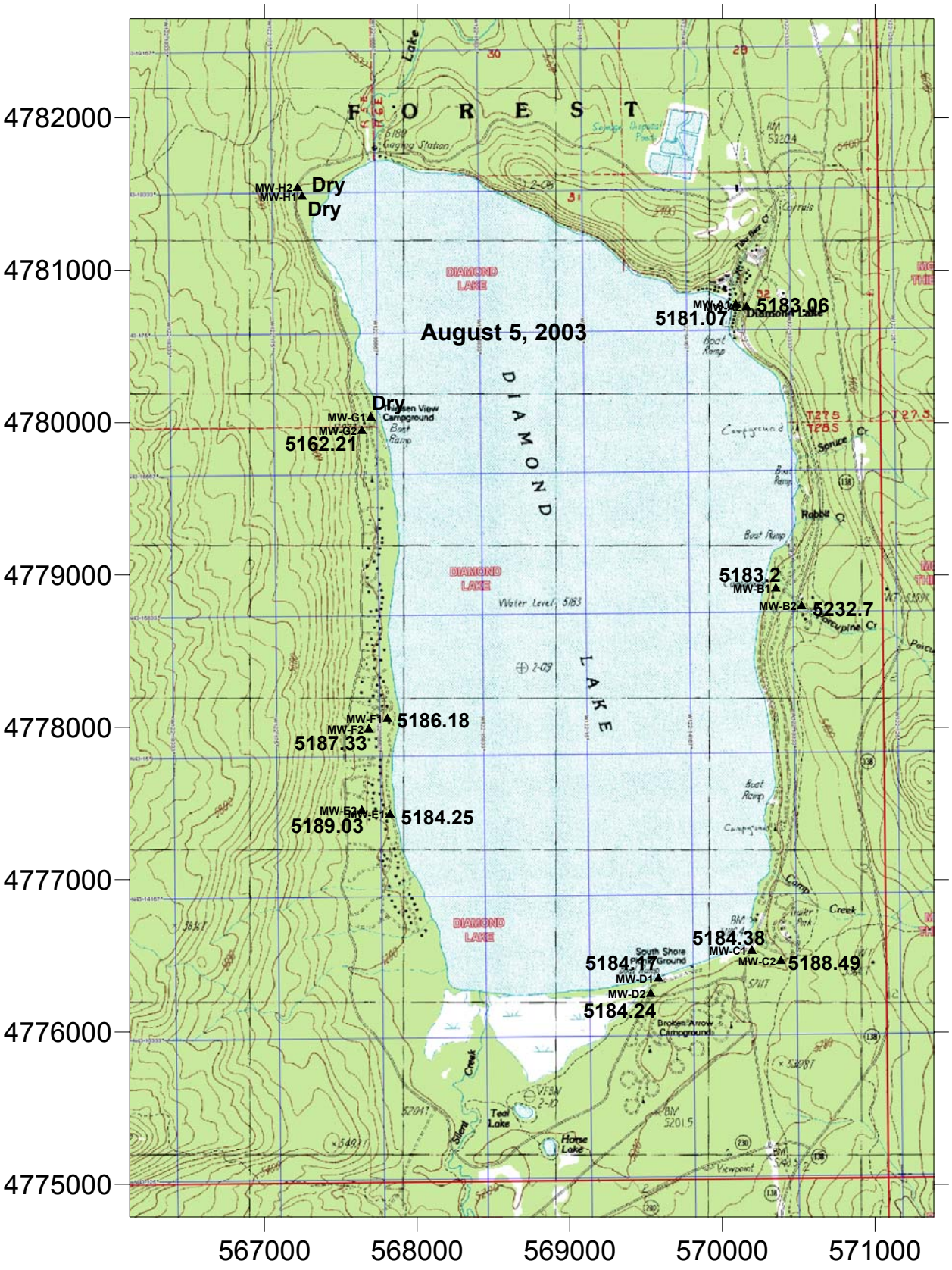
DIAMOND LAKE GROUND WATER WELL AND WATER LEVEL ELEVATIONS

WELL NUM	Easting	Northing	Top of Casing	DTW	Aug 5-03 Water elev	DTW	Aug 19-03 Water elev	Change 8-5/8-19
MW-A1	10570088	4780773	5199.61	18.54	5181.07	19.79	5179.82	-1.25
MW-A2	10570158	4780756	5205.52	22.46	5183.06	22.89	5182.63	-0.43
MW-B1	10570350	4778911	5217.84	34.64	5183.2	34.72	5183.12	-0.08
MW-B2	10570519	4778794	5244.09	11.39	5232.7	11.71	5232.38	-0.32
MW-C1	10570193	4776532	5197.94	13.56	5184.38	13.51	5184.43	0.05
MW-C2	10570384	4776465	5208.73	20.24	5188.49	20.3	5188.43	-0.06
MW-D1	10569582	4776350	5186.32	2.15	5184.17	2.2	5184.12	-0.05
MW-D2	10569530	4776249	5193.84	9.6	5184.24	9.61	5184.23	-0.01
MW-E1	10567823	4777426	5192.57	8.32	5184.25	8.4	5184.17	-0.08
MW-E2	10567638	4777451	5216.71	27.68	5189.03	28.09	5188.62	-0.41
MW-F1	10567806	4778054	5192.95	6.77	5186.18	9.6	5183.35	-2.83
MW-F2	10567683	4777985	5212.08	24.75	5187.33	25.1	5186.98	-0.35
MW-G2								
Silent Creek	10568396	4775785			5168.1			
Short Creek	10570229	4776642			5184.69			
MW-G1	10567697	4780032	5184.1					
MW-H1	10567247	4781483	5202.11					
MW-H2	10567217	4781539	5206.85					
Lake level					5183.83			

DTW	Aug 27-03 Water ele	Change 8-19/8-27	DTW	Sept 4-03 Water ele	Change	DTW	Sept 15-03 Water ele	Change
18.92	5180.69	0.87	19.06	5180.55	-0.14	19.13	5180.48	-0.07
23.11	5182.41	-0.22	23.33	5182.19	-0.22	23.57	5181.95	-0.24
34.94	5182.9	-0.22	35.15	5182.69	-0.21	34.89	5182.95	0.26
20.9	5223.19	-9.19	12.1	5231.99	8.8	12.34	5231.75	-0.24
13.51	5184.43	0	13.54	5184.4	-0.03	13.47	5184.47	0.07
20.31	5188.42	-0.01	20.32	5188.41	-0.01	20.35	5188.38	-0.03
2.19	5184.13	0.01	2.51	5183.81	-0.32	2.12	5184.2	0.39
9.93	5183.91	-0.32	9.65	5184.19	0.28	9.55	5184.29	0.1
8.44	5184.13	-0.04	8.49	5184.08	-0.05	8.43	5184.14	0.06
28.32	5188.39	-0.23	28.56	5188.15	-0.24	28.81	5187.9	-0.25
9.55	5183.4	0.05	9.59	5183.36	-0.04	9.54	5183.41	0.05
25.31	5186.77	-0.21	25.5	5186.58	-0.19	25.71	5186.37	-0.21
29.1	5162.42	0.2	29.4	5162.12	-0.3	29.55	5161.97	-0.15

5183.87

	Sept 30-03			Nov 5-03	
DTW	Water ele	Change	DTW	Water ele	Change
19.32	5180.29	-0.19	20.27	5179.34	-0.95
23.89	5181.63	-0.32	25	5180.52	-1.11
36.15	5181.69	-1.26	36.09	5181.75	0.06
12.7	5231.39	-0.36	13.56	5230.53	-0.86
13.46	5184.48	0.01	13.88	5184.06	-0.42
20.39	5188.34	-0.04	20.56	5188.17	-0.17
2.13	5184.19	-0.01	2.6	5183.72	-0.47
9.56	5184.28	-0.01	10	5183.84	-0.44
8.47	5184.1	-0.04	8.98	5183.59	-0.51
29.16	5187.55	-0.35	30.04	5186.67	-0.88
9.6	5183.35	-0.06	10.08	5182.87	-0.48
26.01	5186.07	-0.3	26.97	5185.11	-0.96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August 5, 2003
DIAMOND LAKE
MW-H2 Dry
MW-H1 Dry
5181.07
5183.06
MW-G1 Dry
MW-G2
5162.21
5183.2
MW-B1
MW-B2
5232.7
MW-F1 5186.18
MW-F2
5187.33
MW-E2
MW-E1 5184.25
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MW-C1
MW-C2 5188.49
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MW-D1
MW-D2
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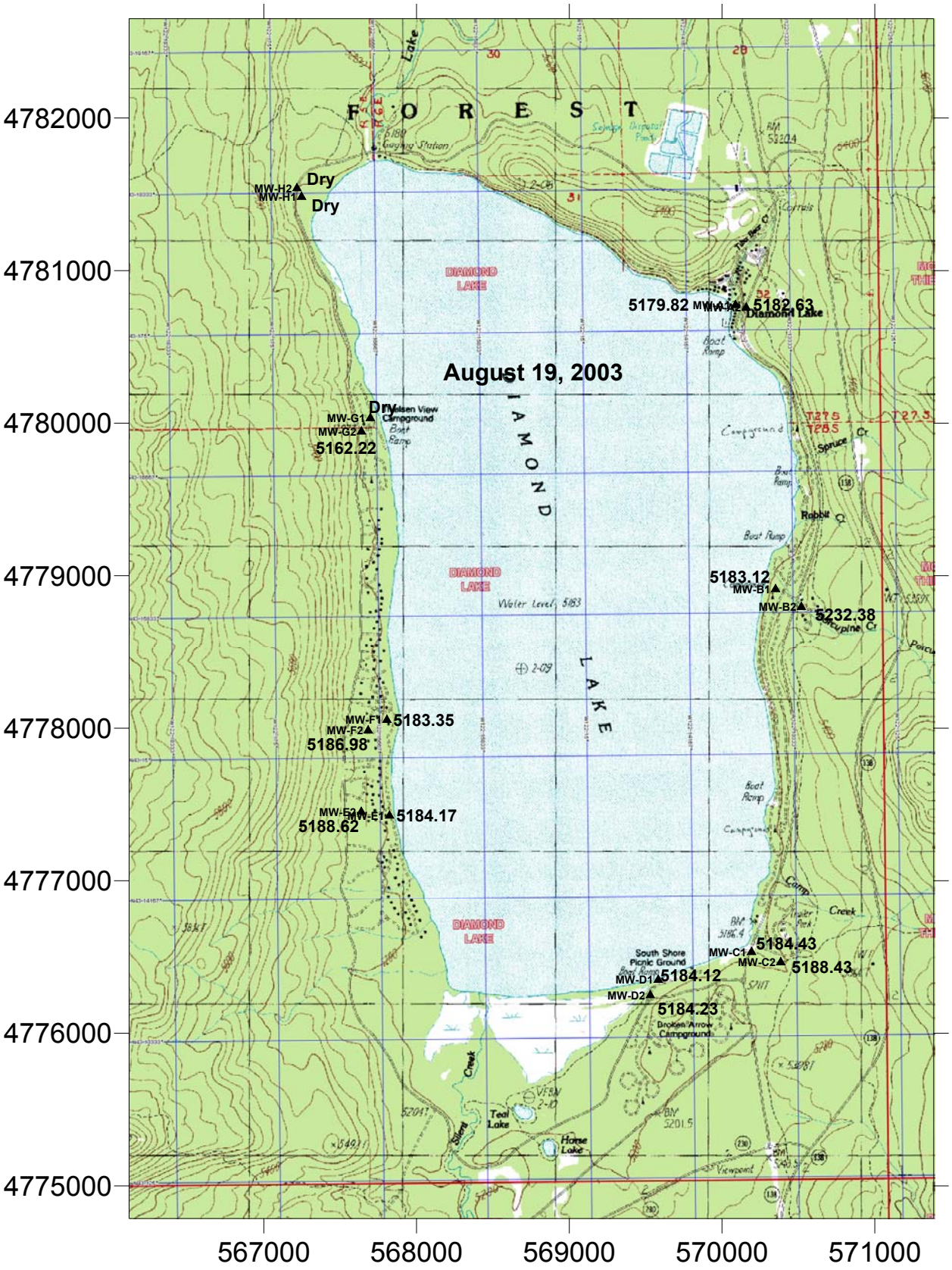

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F O R E S T
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MW-H1
Dry
Dry
5179.82
5182.63
Diamond Lake
Dry
MW-G1
MW-G2
5162.22
5183.12
MW-B1
MW-B2
5232.38
MW-F1
MW-F2
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MW-E2
MW-E1
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MW-C1
MW-C2
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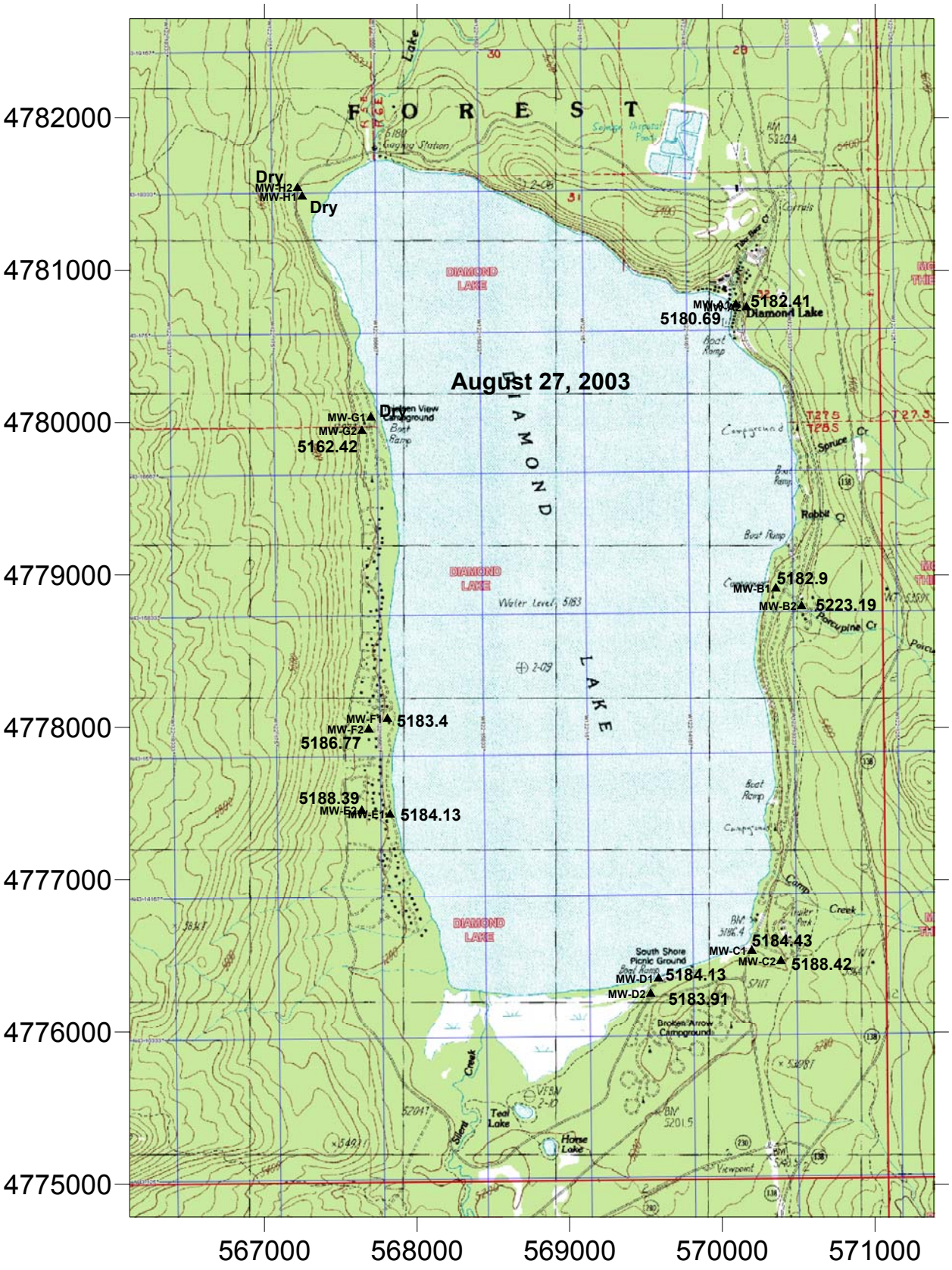
South Shore Picnic Ground
Broken Arrow Campground
Teal Lake
Horse Lake



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Dry
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MW-G1
MW-G2
Dry
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MW-F1
MW-F2
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5188.39
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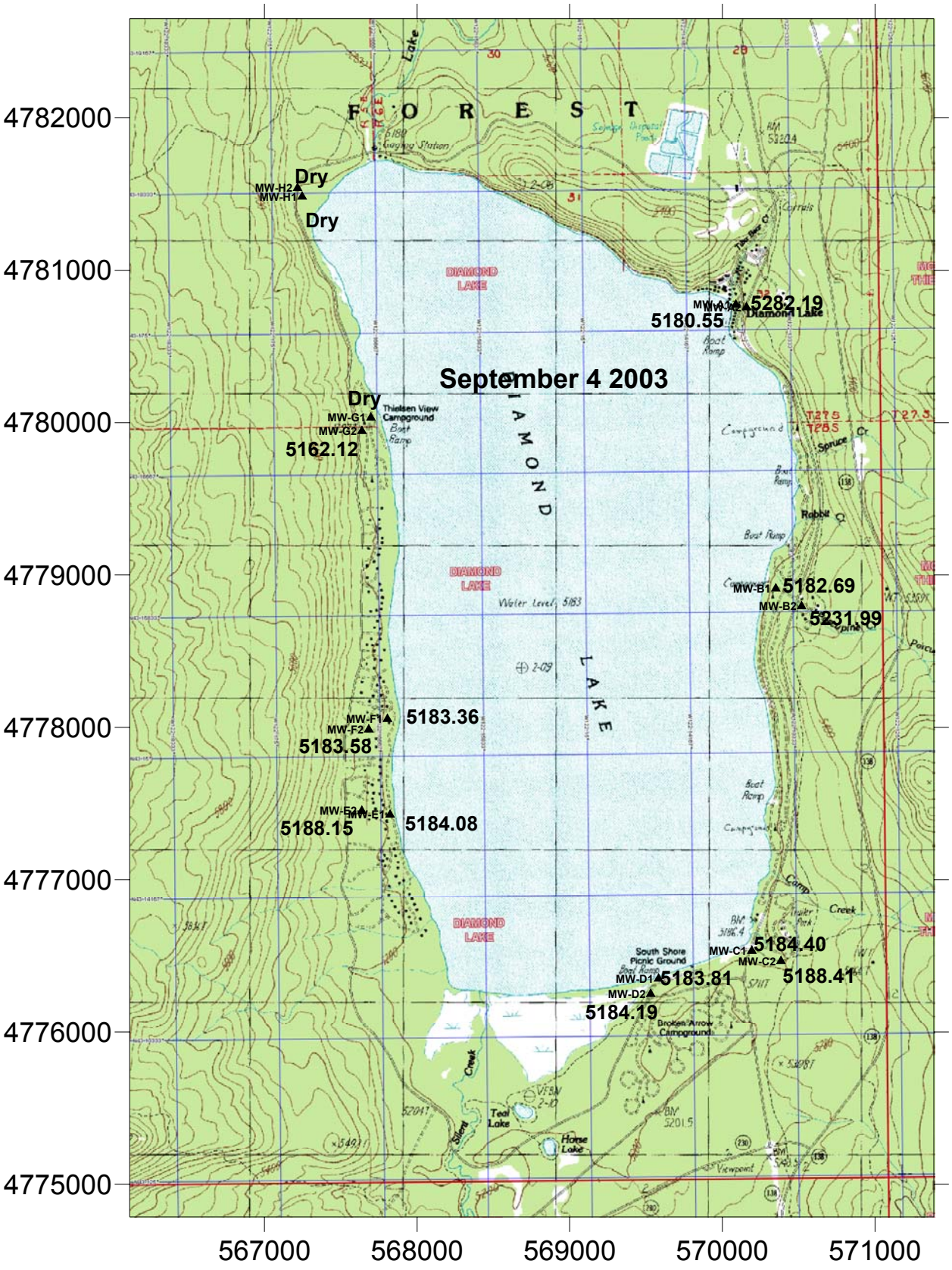
MW-B2
5223.19
MW-C1
5184.43
MW-C2
5188.42
MW-D1
5184.13
MW-D2
5183.91
DIAMOND LAKE
Diamond Lake
Water Level 5183
Boat Ramp
Campground
Spruce Cr
Rabbit Cr
Porcupine Cr
South Shore Picnic Ground
Broken Arrow Campground
Teal Lake
Horse Lake
Creek



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F O R E S T
DIAMOND LAKE
Dry
MW-H2
MW-H1
Dry
MW-G1
MW-G2
5162.12
Thielsen View Campground
5180.55
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MW-B1
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MW-B2
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MW-F1
MW-F2
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MW-E2
MW-E1
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5184.08
MW-C1
MW-C2
5184.40
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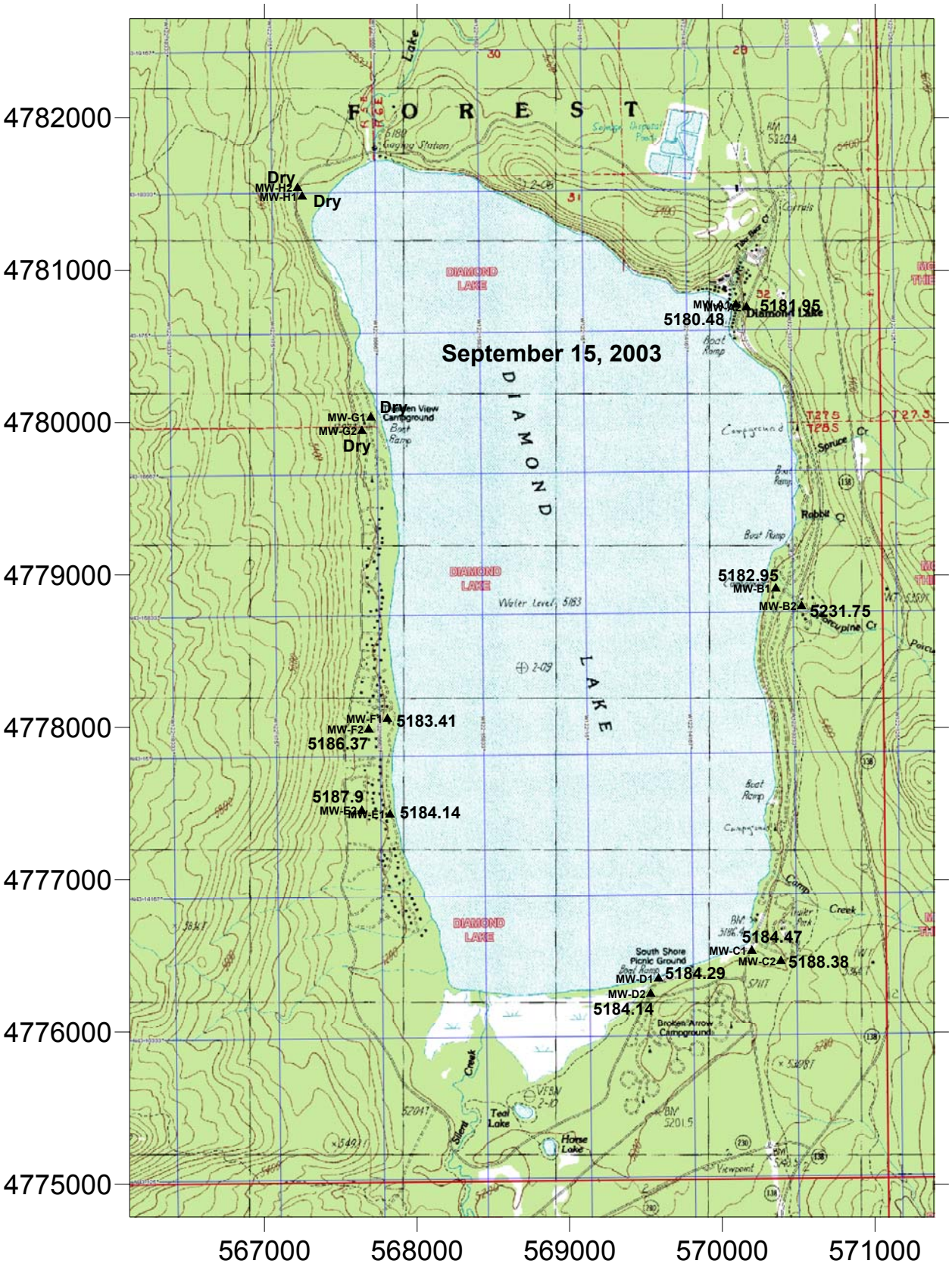
South Shore Picnic Ground
Broken Arrow Campground
Teal Lake
Horse Lake
Water Level 5183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September 15, 2003
DIAMOND LAKE
Dry
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MW-H1
Dry
MW-G1
MW-G2
Dry
Dry
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5180.48
5182.95
MW-B1
MW-B2
5231.75
MW-F1
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MW-F2
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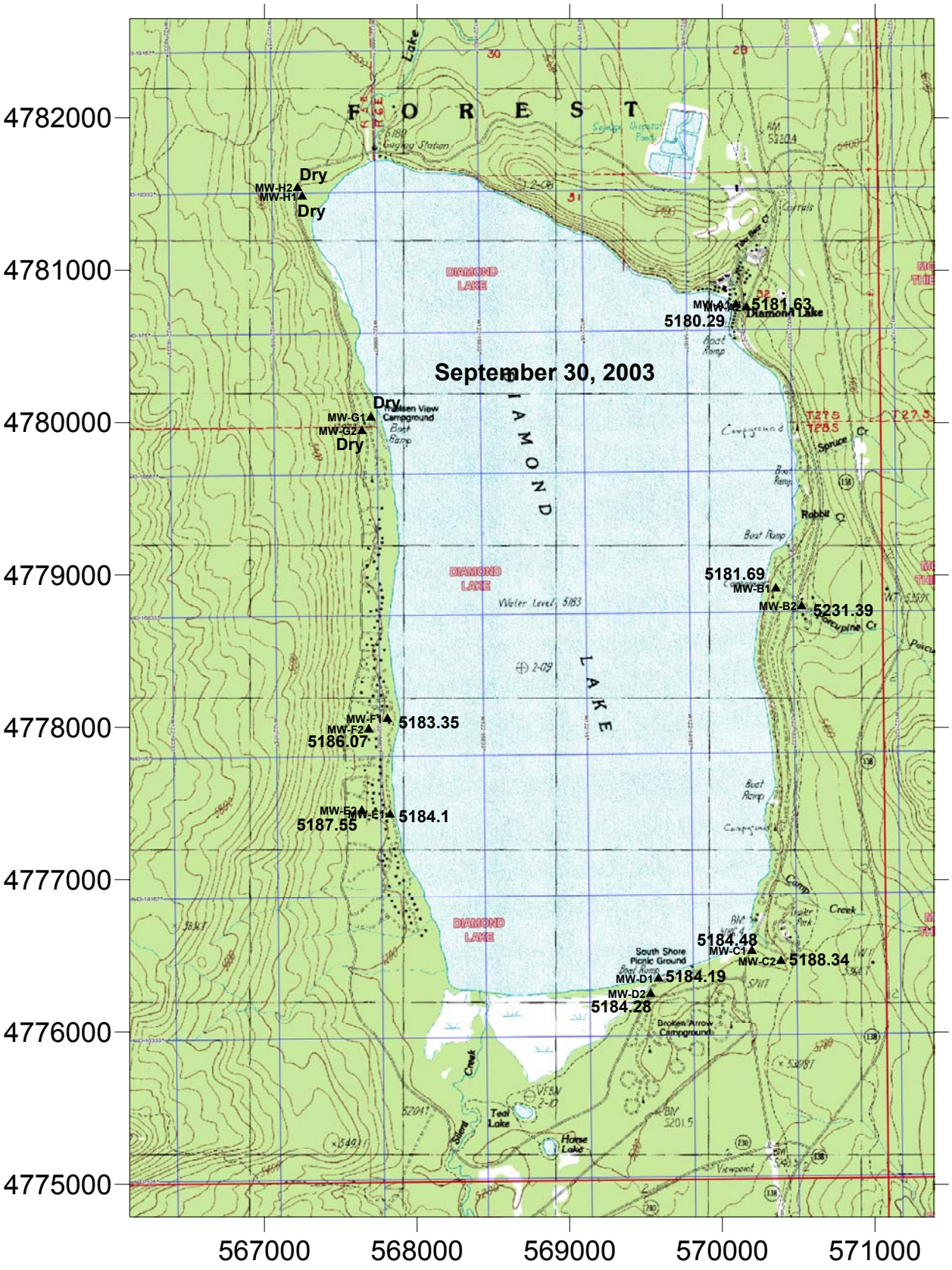

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F O R E S T
DIAMOND LAKE
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MW-H1
Dry
MW-G1
MW-G2
Dry
Dry
MW-F1
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MW-C1
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MW-D2
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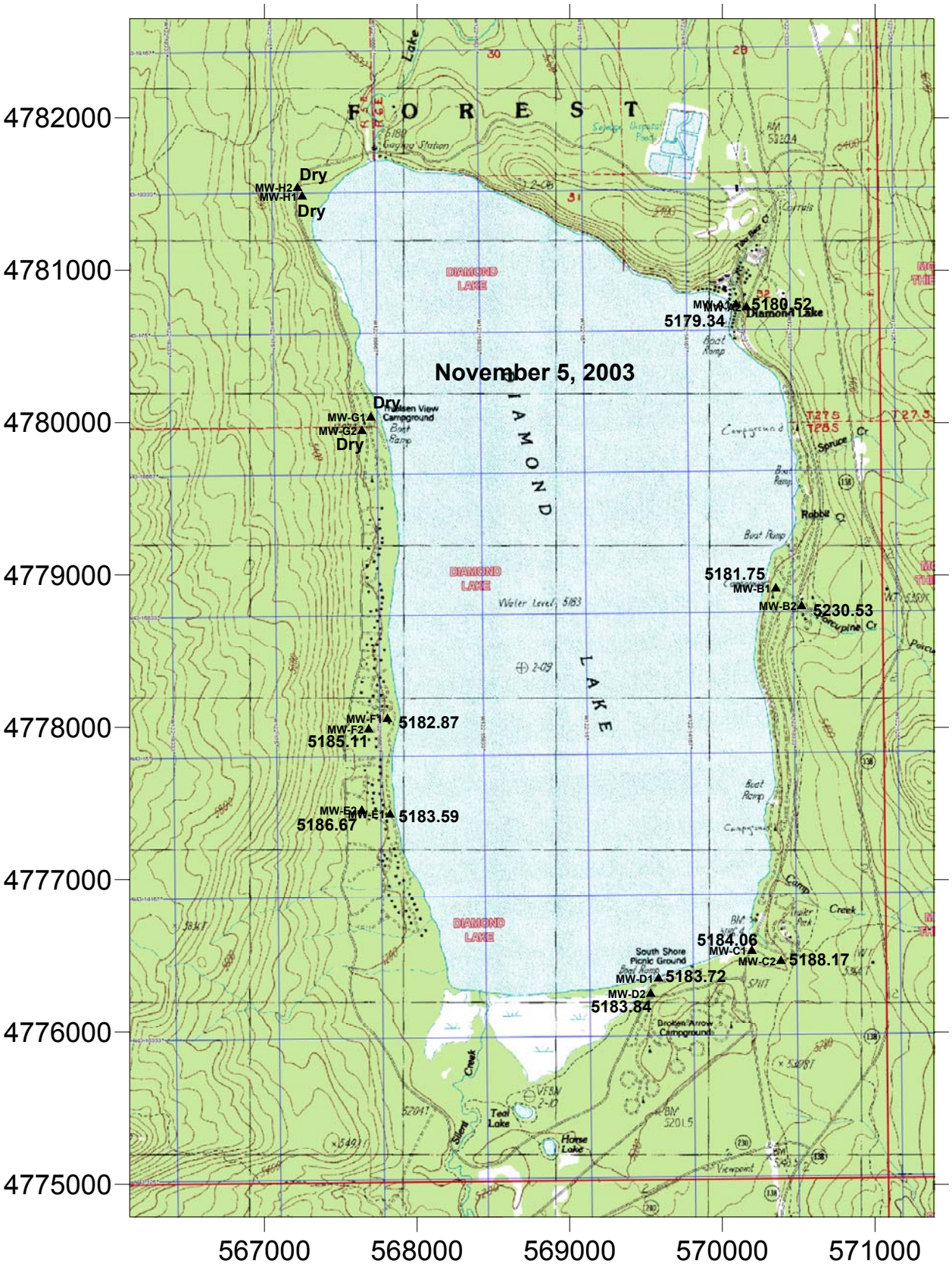
Diamond Lake
Water Level 5183
South Shore Picnic Ground
Broken Arrow Campground
Teal Lake
Horse Lake
Spruce Cr
Rabbit Cr
Porcupine Cr
Camp Creek



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MW-H1
Dry
MW-G1
MW-G2
Dry
Dry
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MW-F2
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MW-C2
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MW-D2
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DIAMOND LAKE
DIAMOND LAKE
DIAMOND LAKE
Diamond Lake
Water Level 5183
Boat Ramp
Campground
Spruce Cr
Rabbit Cr
Porcupine Cr
South Shore Picnic Ground
Broken Arrow Campground
Teal Lake
Horse Lake
Creek
Silent
Viewpoint