

### Springsnail Counts and Habitat Ranges, Spring Valley Stipulation Biological Monitoring Data Summary, 2009 and 2010

Hydrographic Basin Site	Water Temp. (°F) <sup>a</sup>	Specific Conductivity (µS/cm) <sup>a</sup>	pH <sup>a</sup>	Dissolved Oxygen (%) <sup>a,b</sup>	Water Velocity (fps) <sup>a</sup>	Emergent Vegetation Cover (%) <sup>a</sup>	Water Depth (cm) <sup>a</sup>	Mean Springsnail Count <sup>c</sup>
<b>Spring Valley</b>								
Minerva Spring Complex Middle	52.6 - 59.3	334 - 609	5.88 - 8.71	48 - 138	<0.1 - 1.2	0 - 100	0.5 - 32	4.9 - 7.3 <sup>d</sup>
Minerva Spring Complex North	53.1 - 65.9	111 - 298	6.69 - 8.73	94 - 112	<0.1 - 1.0	0 - 100	1 - 13	43.6 - 52.3 <sup>d</sup>
Stonehouse Spring Complex	45.9 - 75.5	137 - 844	6.64 - 7.79	22 - 133	<0.1 - 0.2	0 - 100	1 - 21	4.7 - 12.6 <sup>d</sup>
West Spring Valley Complex 1	46.0 - 70.0	223 - 622	6.51 - 7.63	24 - 89	<0.1 - 3.3	0 - 100	0.5 - 13	10.1 - 29.5 <sup>d</sup>
Willow-NV Spring	49.7 - 71.1	136 - 1082	6.99 - 8.14	35 - 100	<0.1 - 0.1	0 - 100	0.5 - 6	4.2 - 14.5 <sup>d</sup>
<b>Snake Valley</b>								
Big Springs	62.7 - 67.1	349 - 413	7.07 - 8.05	42 - 80	<0.1 - 2.5	0 - 100	1 - 23	4.9 - 10.6 <sup>e, f</sup>
Clay Spring North	56.5 - 59.7	136 - 632	7.51 - 7.97	27 - 89	<0.1 - 1.6	0 - 100	<0.1 - 45	35.3 - 62.8 <sup>e</sup>
Stateline Springs	56.3 - 70.2	333 - 791	7.04 - 8.80	40 - 86	<0.1 - 1.4	0 - 100	0.5 - 12	2.3 - 11.1 <sup>e</sup>
Unnamed 1 N. of Big Springs	55.1 - 70.8	72 - 649	7.25 - 8.18	31 - 119	<0.1 - 0.2	0 - 100	<0.1 - 12	20.4 - 45.4 <sup>e</sup>
<b>Total Range</b>	<b>45.9 - 75.5</b>	<b>72 - 1082</b>	<b>5.88 - 8.80</b>	<b>22 - 138</b>	<b>&lt;0.1 - 3.3</b>	<b>0 - 100</b>	<b>&lt;0.1 - 45</b>	<b>2.3 - 62.8</b>

<sup>a</sup> Ranges across spring (May) & fall (Sep) 2009-2010 surveys (8:30am-4:30pm) at sample points & transects where springsnails present.

<sup>b</sup> Dissolved oxygen >100% = supersaturated conditions

<sup>c</sup> Mean springsnail count / sample point calculated for each survey (spring [May] and fall [Sep] 2009-2010); to coincide with habitat ranges, sample points included only if springsnails present. Range of these means presented in table.

<sup>d</sup> *Pyrgulopsis kolobensis* (Toquerville pyrg)

<sup>e</sup> *Pyrgulopsis anquina* (Longitudinal gland pyrg)

<sup>f</sup> *Pyrgulopsis peculiaris* (Bifid duct pyrg)