

**Table 1 Approximate Travel Times to Fordville Aquifer, for Water Flow in Well-Defined Channels**

Stream Crossing	MP	Approx. Stream Distance (miles) to Margin of the Fordville Aquifer	Approximate Travel Time (hours) to the Margin of the Aquifer		Contributory Pipeline Segment (miles)	Maximum Occurrence Interval (years; any size spill) <sup>1</sup>
			Dry Stream Channel	Flowing Channel		
<b>Losing Stream Reach – North Branch</b>						
Tributaries of the North Branch – 2 intermittent stream crossings	45.7	4.1	Would not reach aquifer	2 ± 0.5 hrs	0.2	90,900
	46.1	4.4		2 ± 0.5 hrs	0.2	90,900
North Branch (perennial)	46.3	5.5	NA	3.0 + 0.5 hrs	0.3	30,300
Tributaries of the North Branch – 6 intermittent stream crossings	46.5	5.6	Would not reach aquifer	3.0 + 0.5 hrs	0.2	90,900
	46.7	5.6		3.0 + 0.5 hrs	0.2	90,900
	46.9	4.7		2.5 + 0.5 hrs	0.2	90,900
	47.2	4.8		2.5 + 0.5 hrs	0.2	90,900
	47.4	4.9		2.0 + 0.5 hrs	0.2	90,900
	47.8	4.3		2.0 + 0.5 hrs	0.2	90,900
<b>TOTAL</b>					<b>1.9</b>	<b>8,300</b>
<b>Gaining Stream Reach – North Branch &amp; Middle Branch</b>						
Tributaries of the North Branch – 15 intermittent stream crossings	48.0	5.9	Would not reach aquifer	3.0 ± 0.5 hrs	0.2	90,900
	48.5	5.7		3.0 ± 0.5 hrs	0.2	90,900
	48.7	5.6		3.0 ± 0.5 hrs	0.2	90,900
	49.2	6.2		3.0 ± 0.5 hrs	0.2	90,900
	49.5	5.2		2.5 ± 0.5 hrs	0.2	90,900
	50.0	5.2		2.5 ± 0.5 hrs	0.2	90,900
	50.2	4.9		2.5 ± 0.5 hrs	0.2	90,900
	50.5	4.7		2.5 ± 0.5 hrs	0.2	90,900
	51.2	5.7		3.0 ± 0.5 hrs	0.2	90,900
	51.8	5.7		3.0 ± 0.5 hrs	0.2	90,900
	52.1	5.5		3.0 ± 0.5 hrs	0.2	90,900
	52.2	5.5		3.0 ± 0.5 hrs	0.2	90,900
	52.8	6.0		3.0 ± 0.5 hrs	0.2	90,900
	53.3	7.7		4.0 ± 0.5 hrs	0.2	90,900
	55.6	6.2		3.0 ± 0.5 hrs	0.2	90,900
Middle Branch (perennial)	54.8	6.6	NA	3.5 ± 0.75 hrs	0.4	22,700
<b>TOTAL</b>					<b>3.4</b>	<b>4,800</b>
<b>GRAND TOTAL</b>					<b>5.3</b>	<b>3,200</b>

<sup>1</sup> Assumes that intermittent streams flow 50 percent of the time.

