

Library Location cont'd

Township	Location (<i>at mile</i>)	Population (<i>thousands</i>)	Library Cost (<i>million \$</i>)	Capacity (<i>thousands</i>)
Silverton	59	45	$15 + \frac{xy}{50}$	100
Ironhill	103	35	20	90
Goldbridge	125	25	15	125
Brasskill	150	25	$18 + \frac{xy}{100}$	100
Pewterplace	179	35	21	120

The locations of the townships are given by the mileage distance from the state border along Hwy 301. All travel between the townships are along Hwy 301. Pairwise distances can be computed from the data in the above table.