

Calculation of the Area of the Huettner Land
east of the Chicago Great Western R. R. Right of Way

By H. C. Wilson

from measures of the Carleton Farm Map.

The Right of Way of the C.G.W.R.R. is assumed as ^{extending} 50 feet from the center of the track at right angles on each side.

The tract left east of the right of way is approximately triangular in shape, the base being about 600 ft (east and west) and the altitude (north and south) being about 900 ft. This would give the area as 270000 square feet, or about 6.2 acres.

More accurately, however, taking account of the curves of the railroad, the plot may be regarded as two trapezoids and one triangle, the areas of which are calculated as follows:

Lower trapezoid	area equal	$\frac{1}{2}(600--350)$	410	---	194750	sq ft
Middle	"	"	"	"	"	"
		$\frac{1}{2}(350--150)$	300	--	75000	" "
Triangle	"	"	"	"	"	" "
		$\frac{1}{2}(150--0)$	190	--	14250	" "
Total					283900	" "

283900 divided by 43560 gives 6.52 acres.

To this is to be added the area of the abandoned C.M.S.P. right south of way south of the Huettner land to the river bank, which is approximately

$$\frac{1}{2}(60 -- 120) 400 -- 36000 \text{ sq ft}$$

Or 0.83 acres

Summ of the two areas 7.35 acres

7.50
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