

random nature (Figure 4.4). The population density had increased to almost 1.5 persons per square mile from 0.38 in 1820 (Table 4.1). The rapid increase in the number of lots granted is illustrated in Figure 4.7. The wide spread between the number of land grants and the number of actual settlers is notable, a trend that continued until 1828, when the difference between the number of settlers and the number of 'absentee' owners began to diminish.

In 1822, fifty-five settlers were assessed, with an average land clearance of 3.2 acres. Fourteen settlers (25%) had less than 2% of their land cleared; of these, ten had settled in 1822. Twenty settlers (36%) had quickly cleared six to twelve per cent of their lots, while seven settlers reported no land cleared.

The average family size had risen slightly from 1821 to 2.8 persons, with twenty-five settlers (45%) still single. Twenty-two families (40%) had two to five members, while eight families could be described as large, with six to ten members, including William Laidley at Con.4, Lot 2 and James Phair at Con.3, Lot 13, who each reported nine family members.

In 1822, thirty-five settlers (64%) were located on lots with good to fair soils, with thirty-one settlers (57%) on Class I agricultural soils. Twenty settlers were located on Class V poor soils and five settlers were located on Class VI non-agricultural land (of whom two were gone by 1823).

Table 4.1      Selected Settlement Statistics 1820-1825

Variable	1820	1821	1822	1823	1825
Settlers	10	58	55	57	57
Population	35	134	156	210	250
Population Density (per sq.mi.)	0.38	1.44	1.68	2.26	2.69
Farm Size (mean acres)	100	69.8	67.3	67.5	71.1
Occupied Land (% of allocated)	22.2	36.4	25.6	24.7	19.7
Family Size (mean)	3.5	2.3	2.8	3.7	4.4
Males over 16 years (%)	28.6	47.0	41.7	35.2	33.6
Females over 16 yrs. (%)	17.1	23.1	19.2	22.9	21.6
Children (%)	54.3	29.9	39.1	41.9	44.8
Settlers with Kin (%)	40.0	53.4	58.2	63.2	68.4
Settlers with Kin with- in 1 mile (%) <sup>1</sup>	100.0	84.0	77.0	84.0	76.0
Nearest-Neighbor (Rn)	0.25	0.55	0.56	0.57	0.61
Cleared Land (% of Farm)	---	3.37	4.73	5.01	7.16
Cleared Land (acres/farm)	---	2.0	3.2	3.4	5.1
Farm Density (acres cleared per family member)	---	0.8	1.8	1.4	1.6
Male Density (acres cleared per adult male)	---	1.4	2.8	2.9	4.1
Clearing Rate (acres per year per settler)	---	1.2	1.7	1.2	1.3
Livestock (total)	---	22	79	134	187
Years Settled (mean)	---	---	1.8	2.6	4.2

Note: <sup>1</sup> This refers to the percentage of settlers with kin who have kin within 1 mile.

Source: Newcastle District Census and Assessment  
Microfilm Records- Trent University Archives.



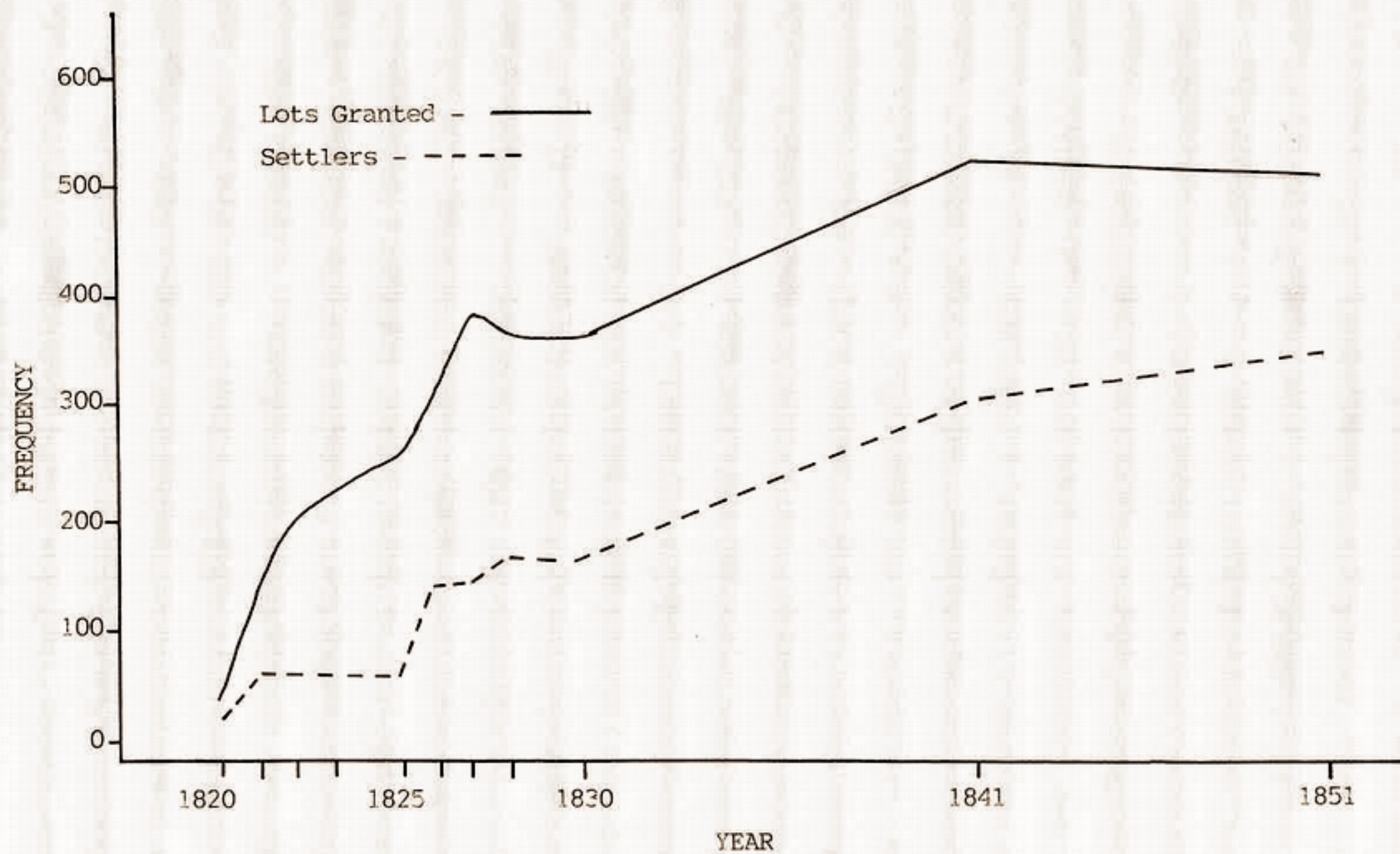


Figure 4.7 : Total Land Allocations and Settlers - 1820-1851

The 1822 settlement pattern (Figure 4.8), per the nearest-neighbor statistic value of 0.56, is quite similar to the slightly random nature of 1821 (Figure 4.4). The population density had risen to 1.68 persons per square mile (Table 4.1). The first complete livestock record, which appears in this year, shows seventy-nine animals, most of them cows. Eight settlers had four animals each, while twenty-one (38%) of the 1822 settlers had none.

The average farm size had decreased to just over sixty-seven acres, with thirty-six farms (65%) at fifty acres. It is notable that 80% of the settlers clearing 6% to 12% of their land were located on fifty-acre lots. The average clearing rate in 1822 was 1.7 acres per year per settler. William Best at Con.1, Lot 14, who was clearing land at a rate of four acres per year, and James Moore at Con. 2, Lot 21, clearing at a rate of five acres per year, were top-ranking forest removers.

Pammett (1974,p.20) suggested that the period from 1822 to late 1825 was mainly characterized by stagnation, as far as settlement activity was concerned. The plot of land allocated, occupied, and vacant (Figure 4.9) and the settlement maps (Figures 4.8, 4.10, 4.11) support this viewpoint. The number of land grants to would-be settlers began to decline in 1822 (Figure 4.7) while the extremely slow growth in occupied land and the increase in unoccupied lands through 1825 is graphically illustrated in Figure 4.9. The dramatic tapering off in settlement activity is possibly due to two



# MAP OF EMILY TOWNSHIP

## Emily Township Settlement Pattern 1822

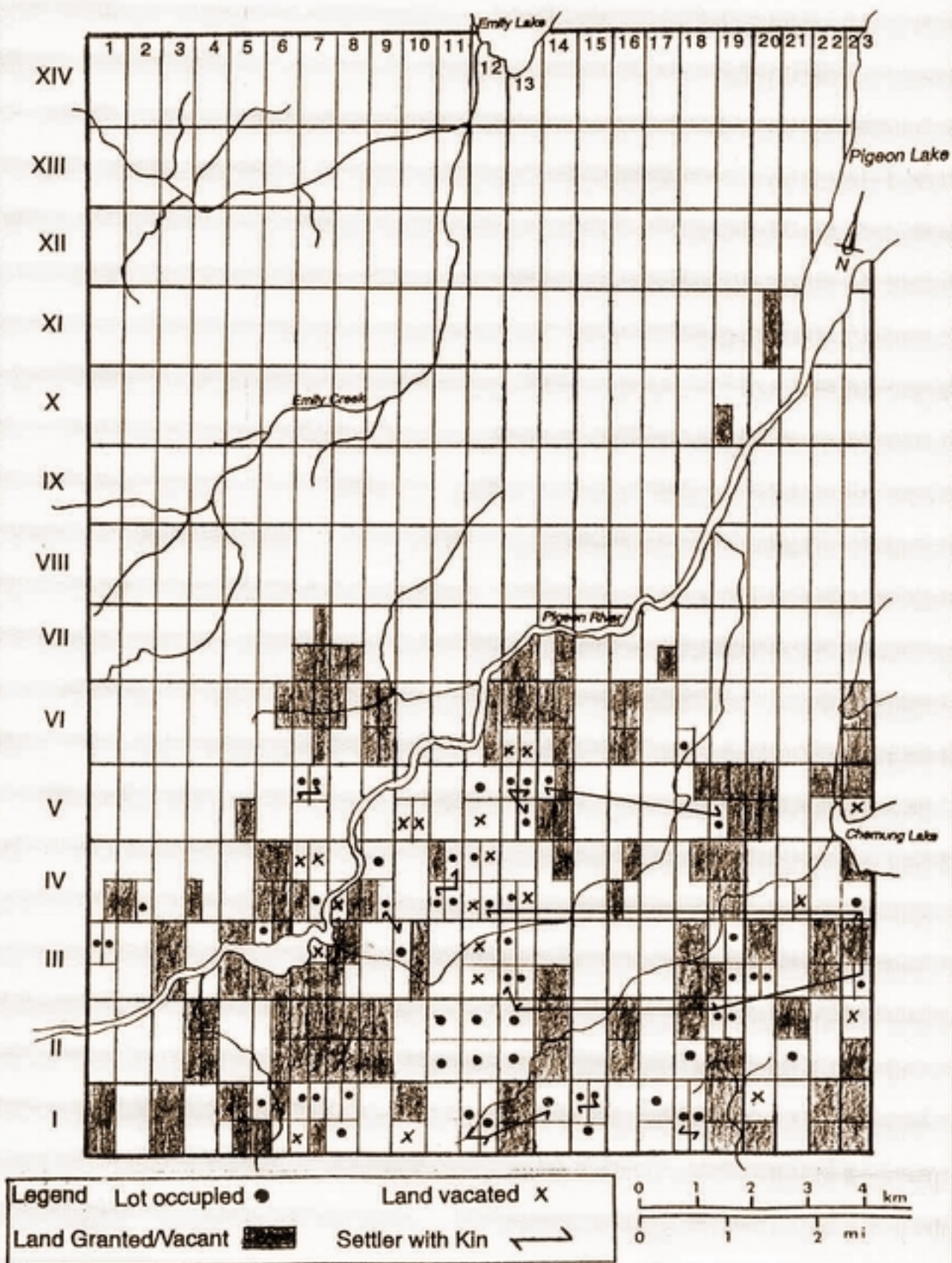


Figure 4.8 : Emily Township Settlement Pattern - 1822

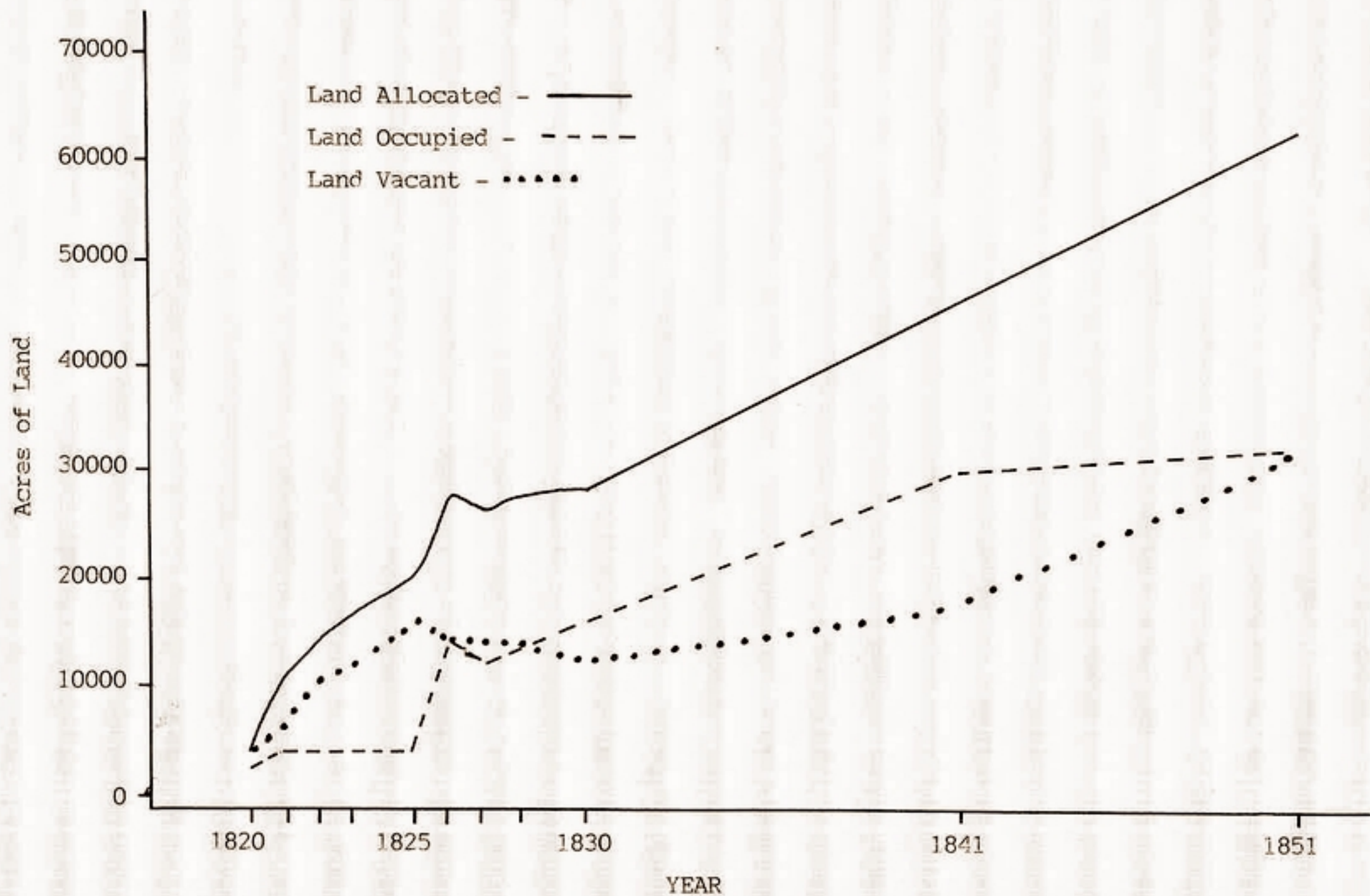


Figure 4.9 : Land Allocated, Occupied, Vacant 1820-1851



# MAP OF **EMILY** TOWNSHIP

## Emily Township Settlement Pattern 1823

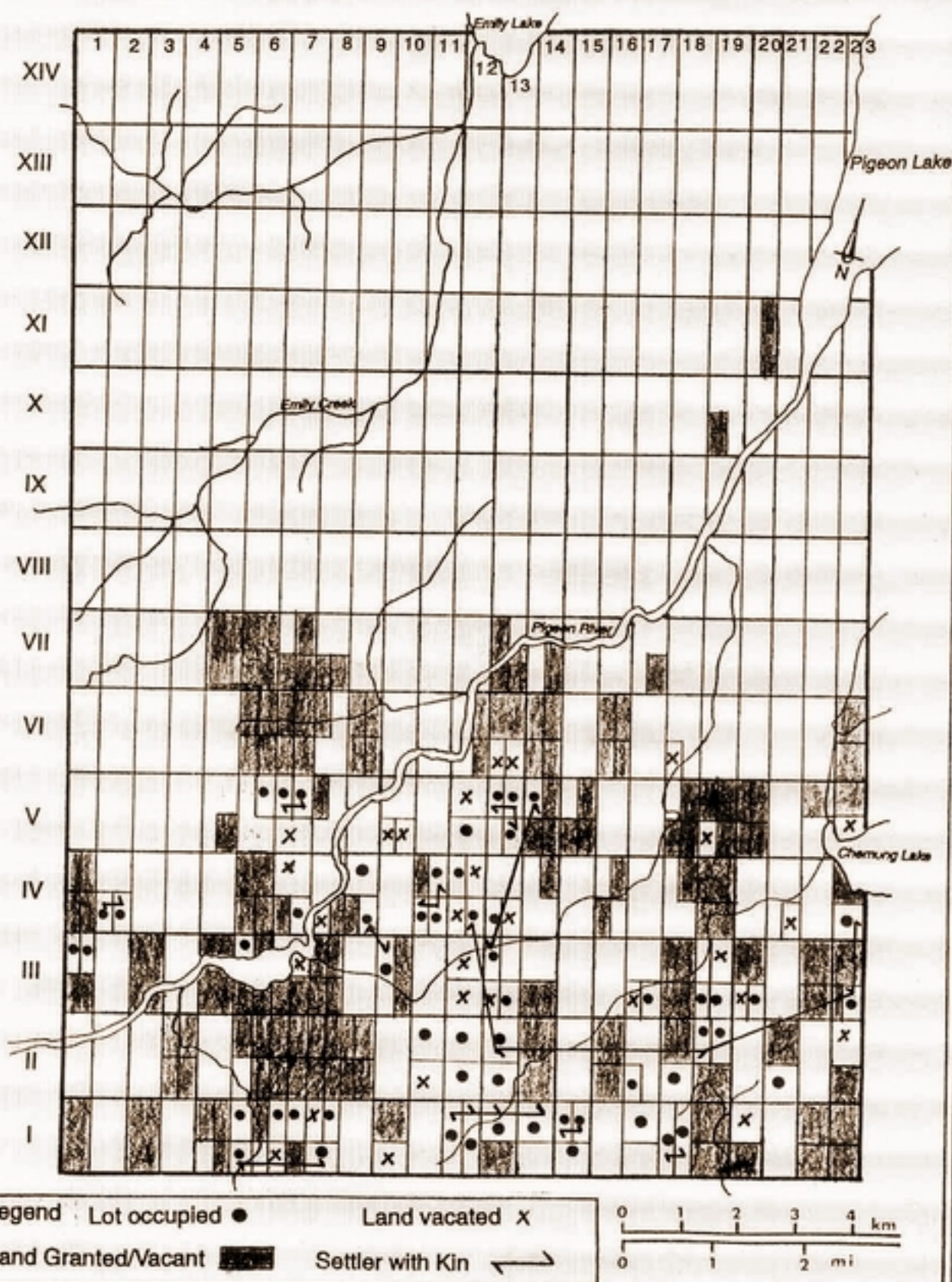
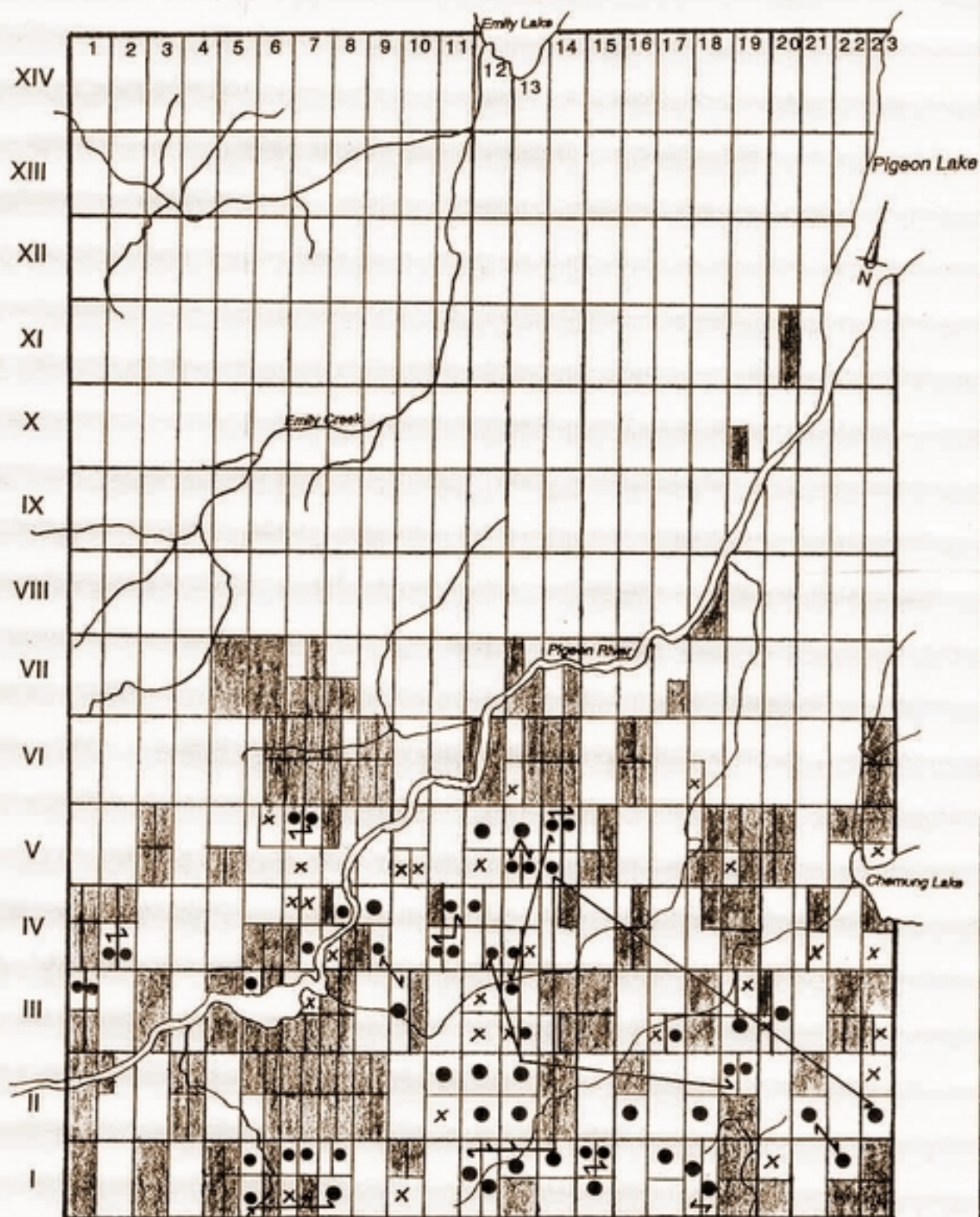


Figure 4.10 : Emily Township Settlement Pattern - 1823





# Emily Township Settlement Pattern 1825



**Legend** Lot occupied ● Land vacated x  
 Land Granted/Vacant [shaded block] Settler with Kin →

0 1 2 3 4 km  
 0 1 2 mi

Figure 4.11 : Emily Township Settlement Pattern - 1825