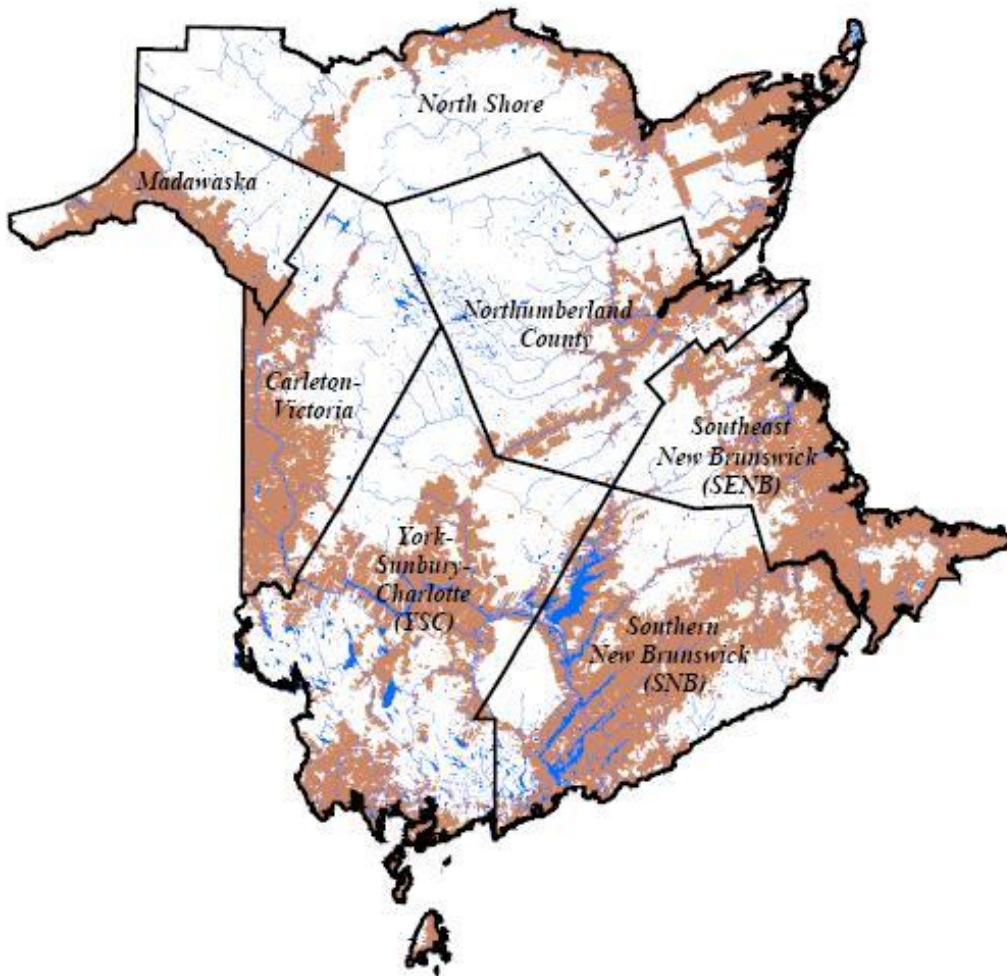




2018 NORTHUMBERLAND WOODLOT FUNDAMENTALS

*New Brunswick's Private Woodlots
by Forest Products Marketing Board*



Woodlot Owners within Northumberland

New Brunswick Forest Products Act defines a private woodlot as:

“private woodlot” means all forest land except:

(a) forest land owned by the Crown;

(b) forest land owned by a person whose principal business is the operation of a wood processing facility, unless the main function of the wood processing facility is the production of wood chips and biomass at or on the harvest site; and

(c) forest land consisting of an aggregate area of at least 100, 000 ha which is owned by the same person or persons.

Basically, a private woodlot can be classed as all forest land not owned by a Crown timber licensee, sub-licensee, or Crown corporation.

Northumberland’s private woodlots comprise over 356,000 acres and are located in the County of Northumberland, with the exception of Parish of Alnwick and Rogersville. Based on 2017 data, this region embraces over 5,400 tracts of land greater than five hectares in size and over 3,600 woodlot owners (figure 1). Over 70% of the owners live here in Northumberland with a very small amount residing in different countries throughout the world (figure 2).

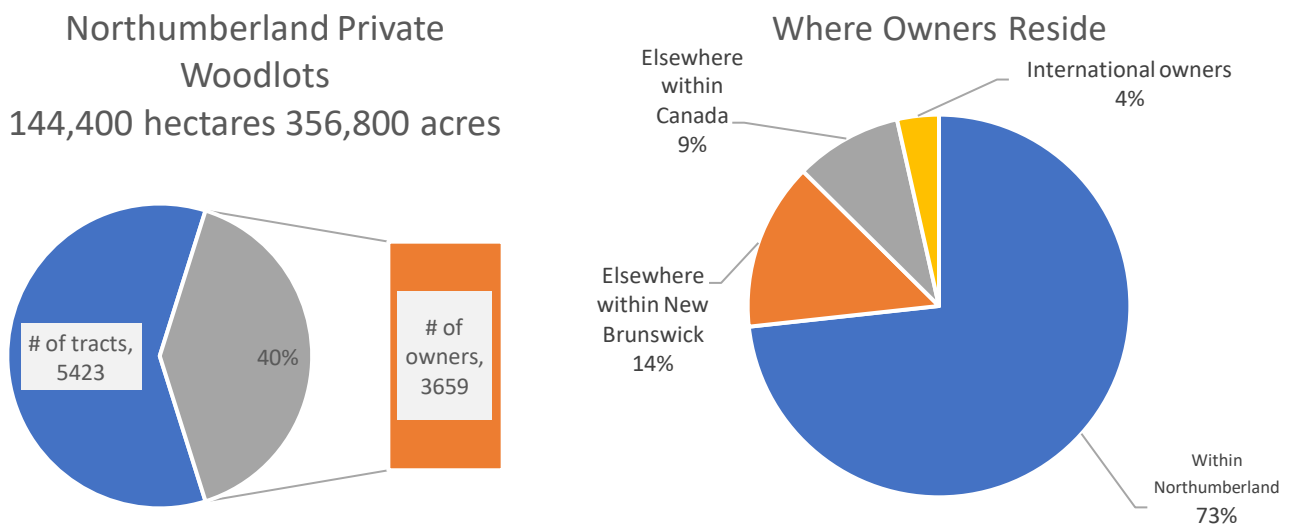


Figure 1 and 2. Northumberland’s owners and residence.

Ownership can be broken into three main category types, 1-individuals, 2-multiple owners and estates, and 3-organizations (which can encompass various businesses, not-for-profits, churches, etc.). The greatest amount of woodlots are within individuals and the average woodlot size is just under 100 acres (figures 3 and 4).

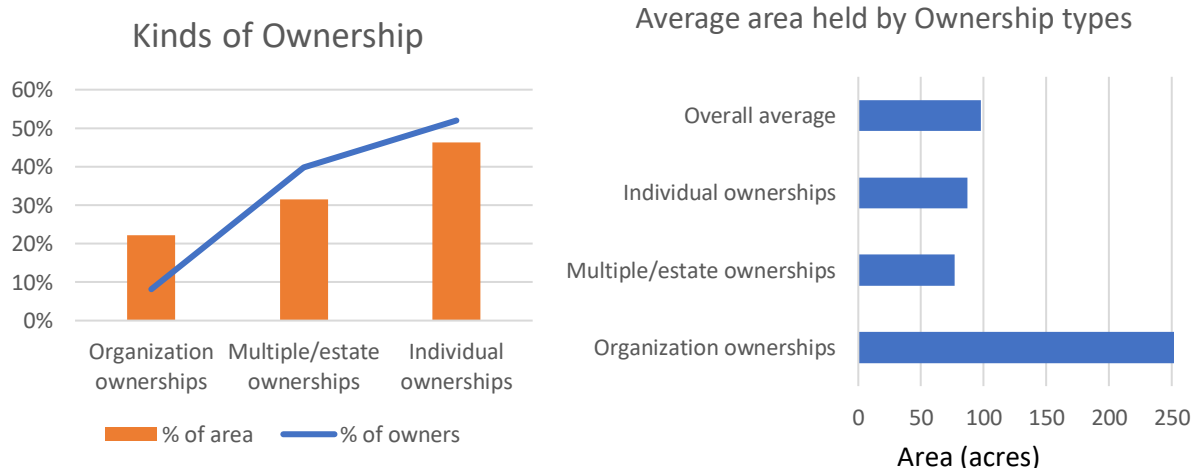


Figure 1 and 2. Northumberland’s ownership types and average woodlot sizes.

Northumberland's Forest Condition

The woodlots in this region host over 15 different merchantable tree species, with softwood comprising the majority (over 60%), and spruce/fir and poplar respectively being the most dominate species (Figure 5). The age class structure has the highest amounts of area in the young (0 to 30 years old) and mature (50 to 80 years old) stages of development (Figure 6). The present younger stands are a result of a long history of harvesting woodlots on regular basis. The low amounts of overmature stands also represents that there has been a high demand for timber in this region. One other noteworthy comment in regards to age class structure would be a series of forest fires which spread in the mid 1980's burning approximately 10% of private woodlot timber area throughout the region.

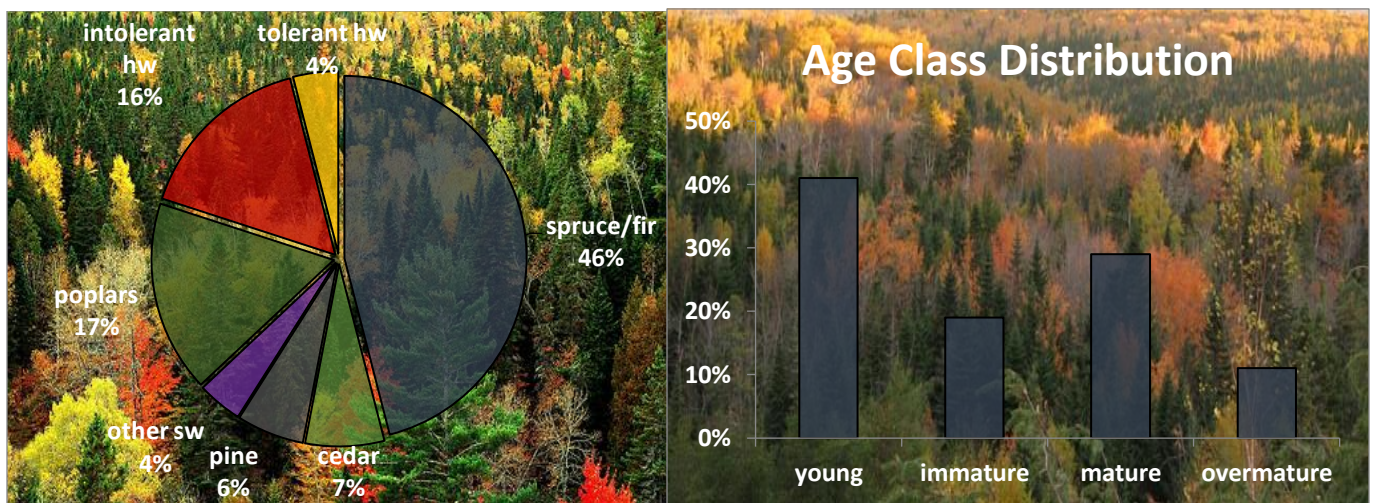


Figure 5 and 6. Species composition and age class structure within Northumberland's forest area.

Based on an "Analysis of Future Forest Condition and Wood Supply" done in 2004 by Dr Thom Erdle from the University of New Brunswick, combined with the 2012 DNR update sanctioned through the Private Lands Task Force, this region can obtain a sustainable wood supply level of approximately 250,000 m³ per year. This target level will maintain a broad array of outcomes which will remain constant over time in the facets of ecological, economical, social, and cultural values and is a prudent approach. In the late 1970's, Northumberland began applying silviculture (over 90% spacing and less than 10% planting) on private woodlots. Today, as a result, close to 20% of the entire land base has had silviculture activities, and it has increased our sustainable harvest levels by over 10%.

Northumberland's Woodlot Organizations

Woodlot Association

The Northumberland County Woodlot and Pulp Producers Association Inc., referred to as "Northumberland Woodlot Owners Association" (NWOA) has been in operation since 1972, and has been providing forest management programs for all private woodlot owners in the County. NWOA was established to promote, encourage, and oversee effective and sustainable forest management practices. Our goal is to promote good forest stewardship on all private woodlots within the County.

We administer silviculture and alternative harvesting treatments in order to provide a continual renewable resource: trees. In short, this means that when a woodlot owner comes to the Association for advice and guidance on properly managing his/her land, we provide them with the necessary tools to ensure they get the most out of their woodlot. Their goals might be to plant or harvest trees, to provide habitat for wildlife, to

have a place for recreational activities such as hunting and fishing, or to merely enjoy the natural beauty of their land.

Forest Products Marketing Board

The Northumberland County Forest Products Marketing Board was formed in 1974 under government regulations, on a request from NWOA to establish a Marketing Plan covering primary forest products originating from private woodlots within the region. A plebiscite of woodlot owners was conducted under the supervision of the New Brunswick Forest Products Commission.

In order to be successful, the plebiscite had to confirm: 1) that 50% of the private woodlot acreage was represented in the vote and 2) that 75% of those voting were in favour of a marketing plan. The result of the vote was that 70.1% of the eligible acreage was represented and 99.1% votes were cast in favour of the marketing plan.

The Marketing Board was given the power to negotiate contracts for forest products, to encourage production and marketing of high quality forest products and the adoption of good woodlot management practices, and to co-operate with other local and provincial Boards in New Brunswick. The operation and activities of the Marketing Board are overseen by the New Brunswick Forest Products Commission.

The operation of the Board is financed through the "Administration Check-Off Levy" and certain forest management activities are financed through the "Silviculture Check-Off Levy." The Marketing Board has the ability to collect these levies on all private wood produced in the regulated area. Since its inception in 1974, Northumberland Forest Products Marketing Board has contributed over \$350 million in wood sales supporting the local industry and economy.

In summary, Northumberland Forest Products Marketing Board came about as a result of the following:

A - *Many sellers / few Buyers*

B - *Crown Timber as dominate source*

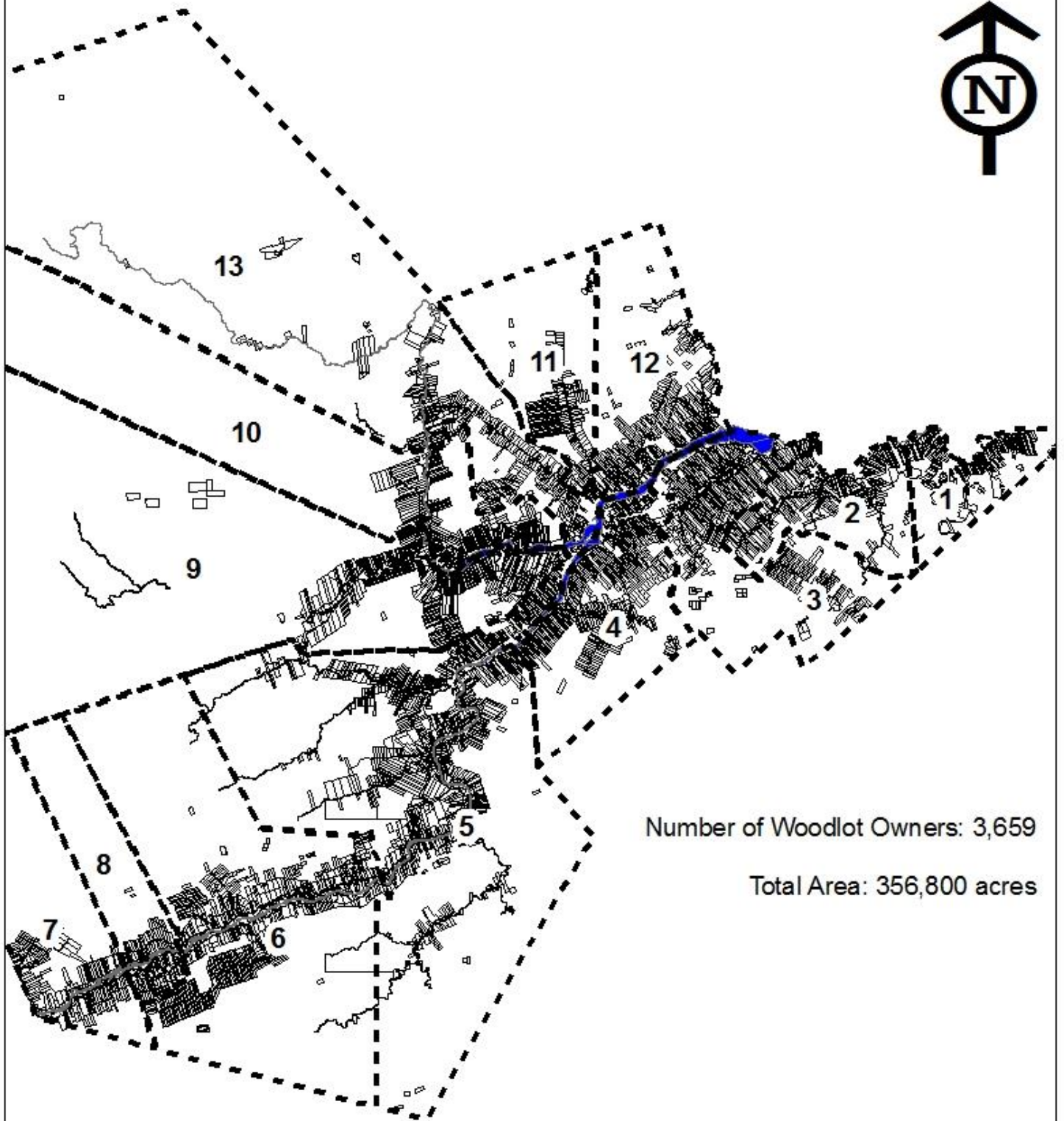
A + B = Market distortion

Market distortion = unfair prices, discriminatory buying

Northumberland's Directors and Districts

Both the Marketing Board and Woodlot Association are governed by its Board of Directors, who meets periodically and reviews the operation. The operating policies are set by the Board of Directors and the staff implement said policies in the day to day operation of the business. The Northumberland region is divided into 13 districts and the Board of Directors for each organization is composed of 13 individuals elected by woodlot owners (and also producers in the Marketing Board) who have a vested interest in the future and represent the membership of the area served.

Northumberland Region



Number of Woodlot Owners: 3,659

Total Area: 356,800 acres

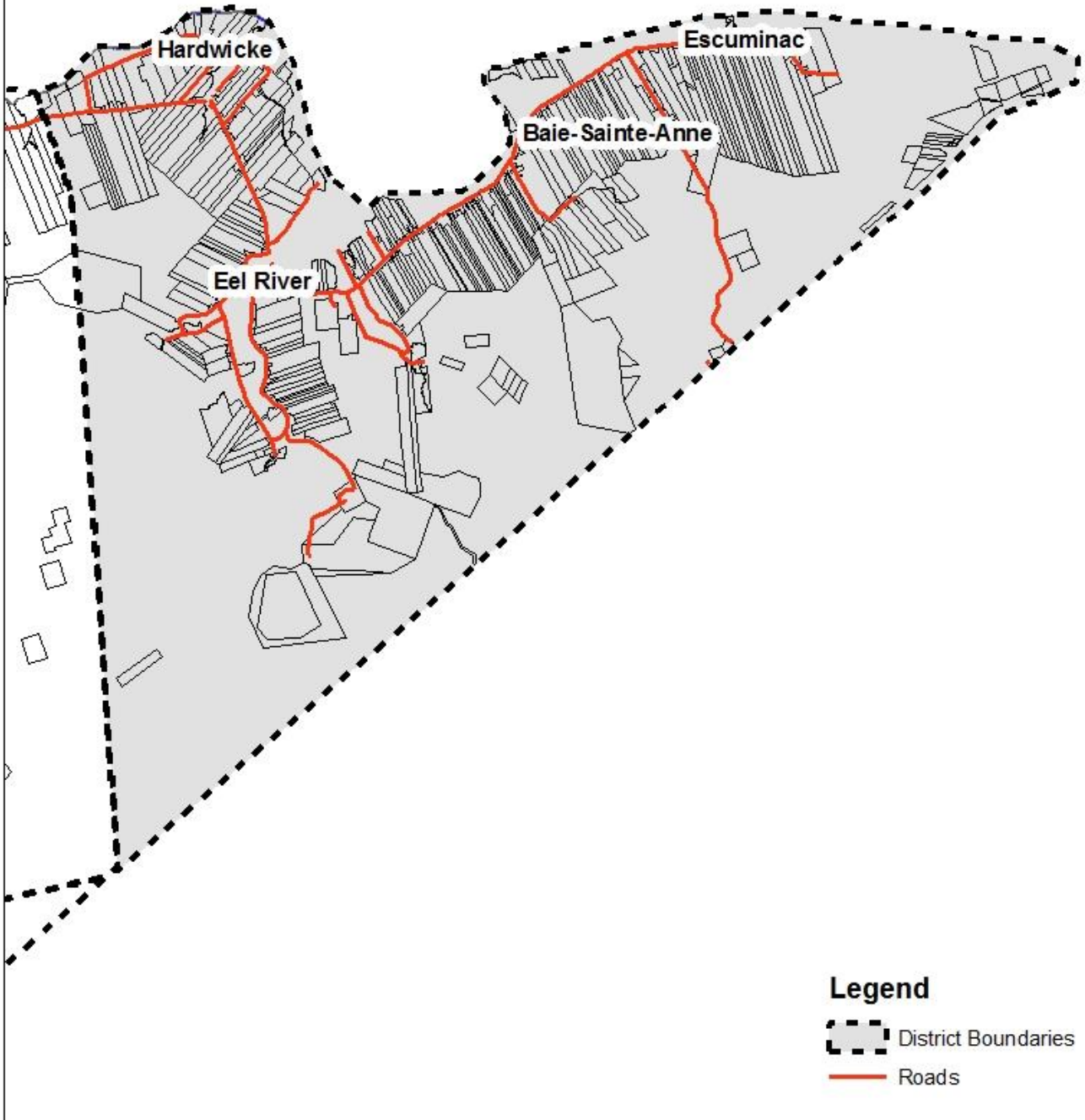
Legend

 District Boundaries

District #1

219 owners

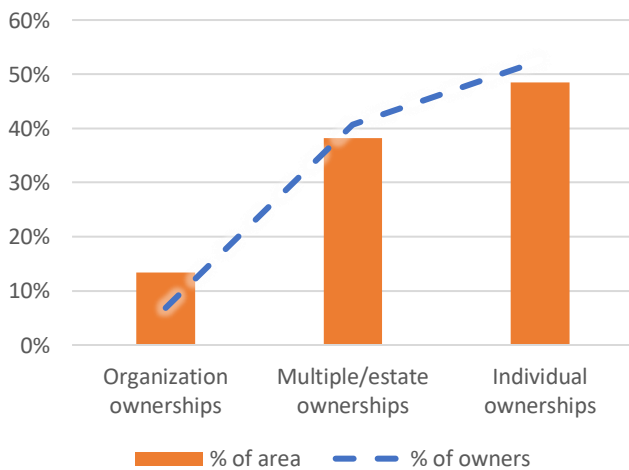
11,880 acres



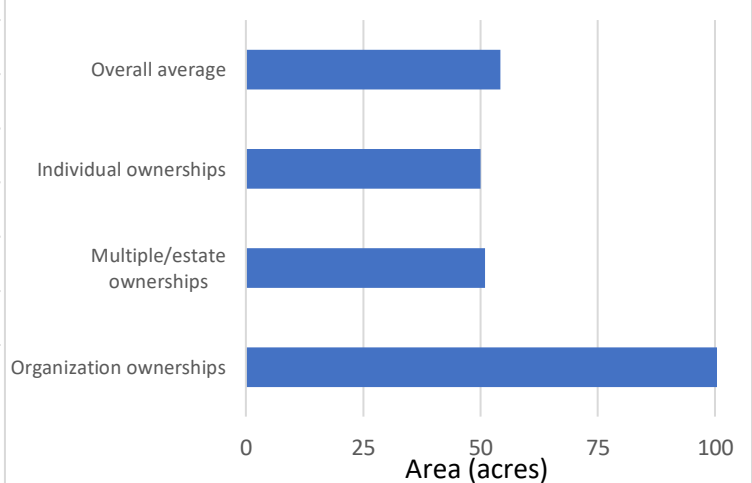
Legend

- District Boundaries
- Roads

Kinds of Ownership



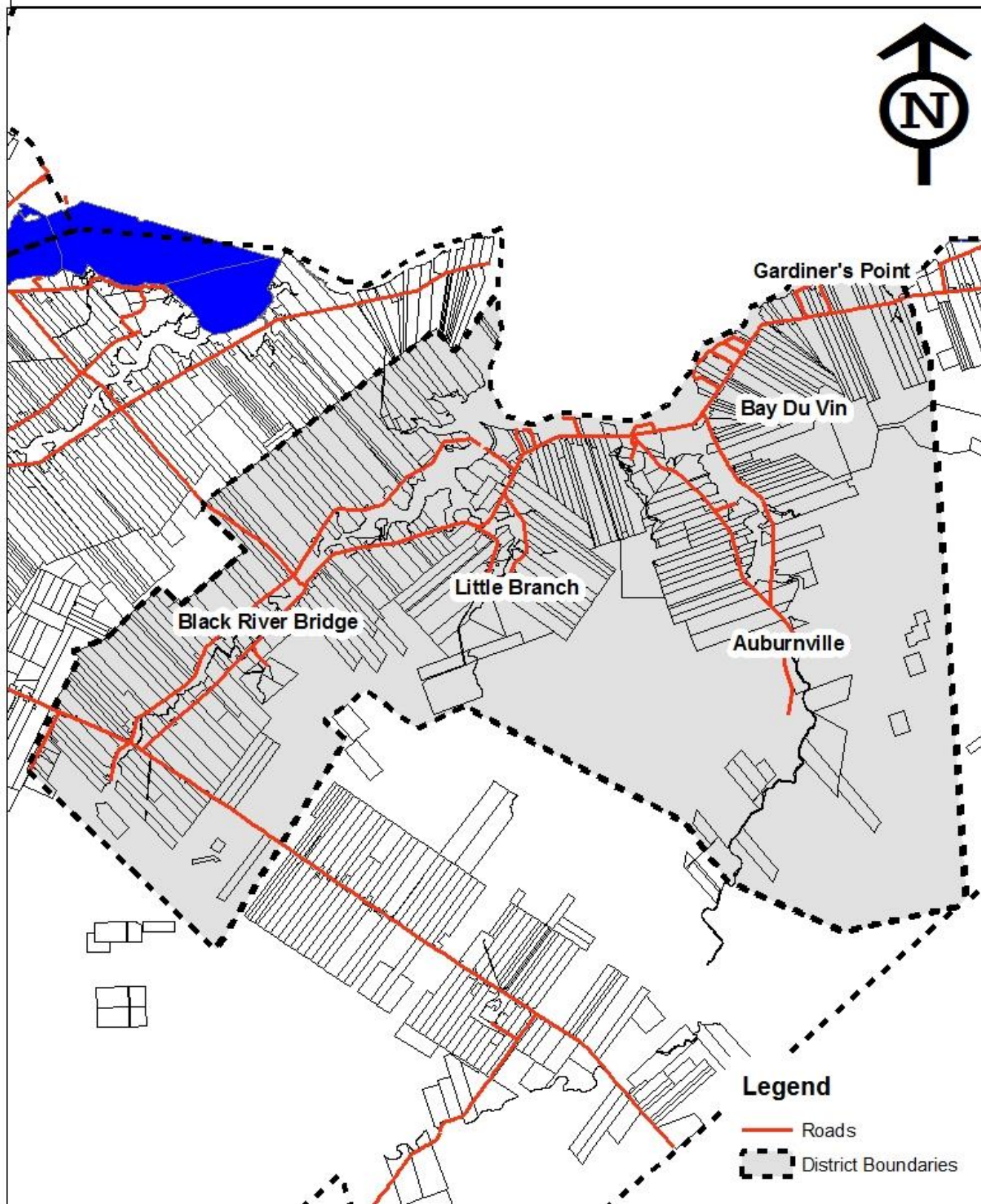
Average area held by Ownership types



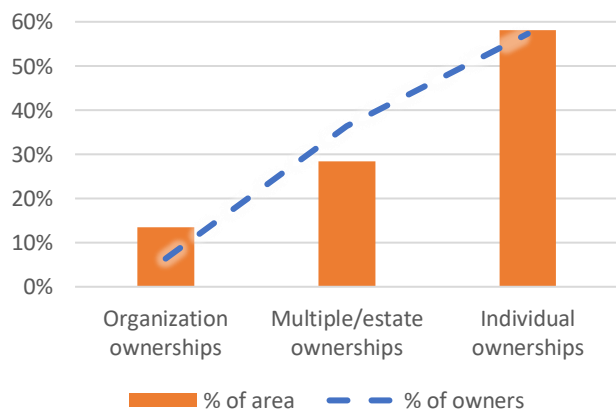
District #2

267 owners

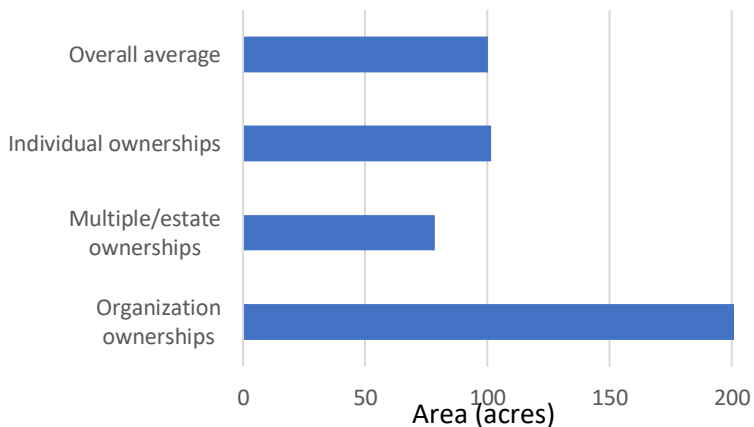
26,770 acres



Kinds of Ownership



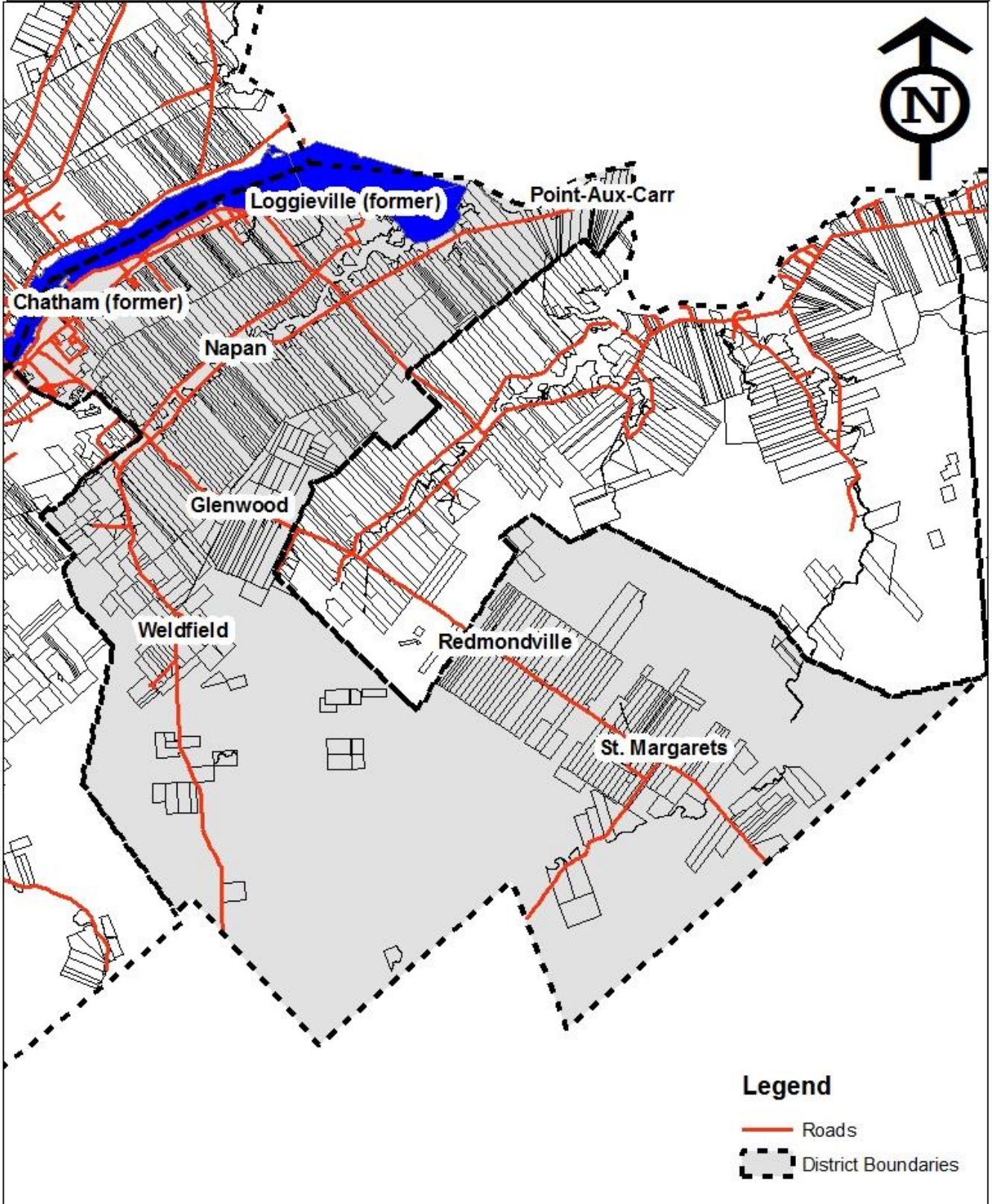
Average area held by Ownership types



District #3

419 owners

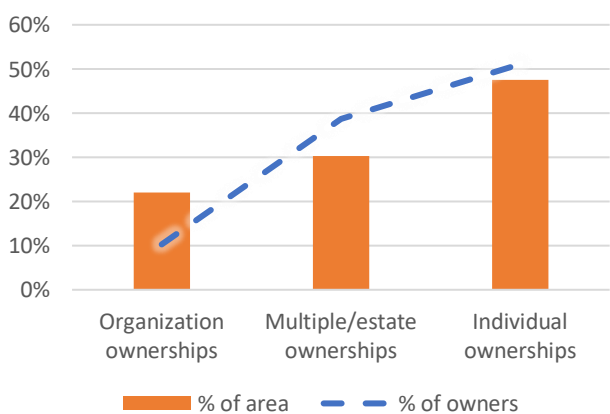
41,650 acres



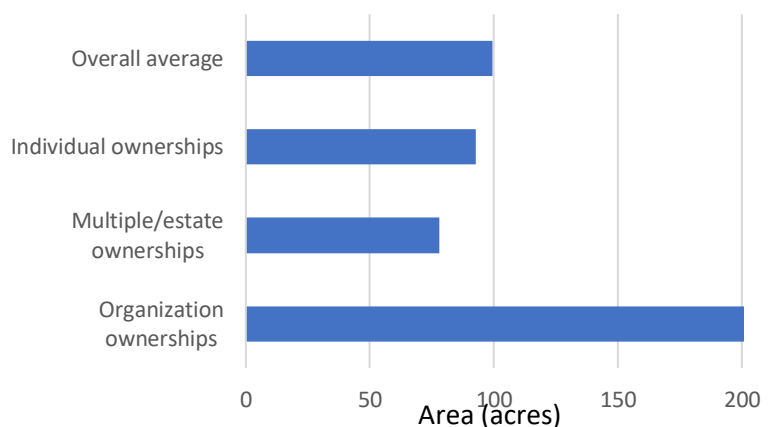
Legend

- Roads
- - - District Boundaries

Kinds of Ownership



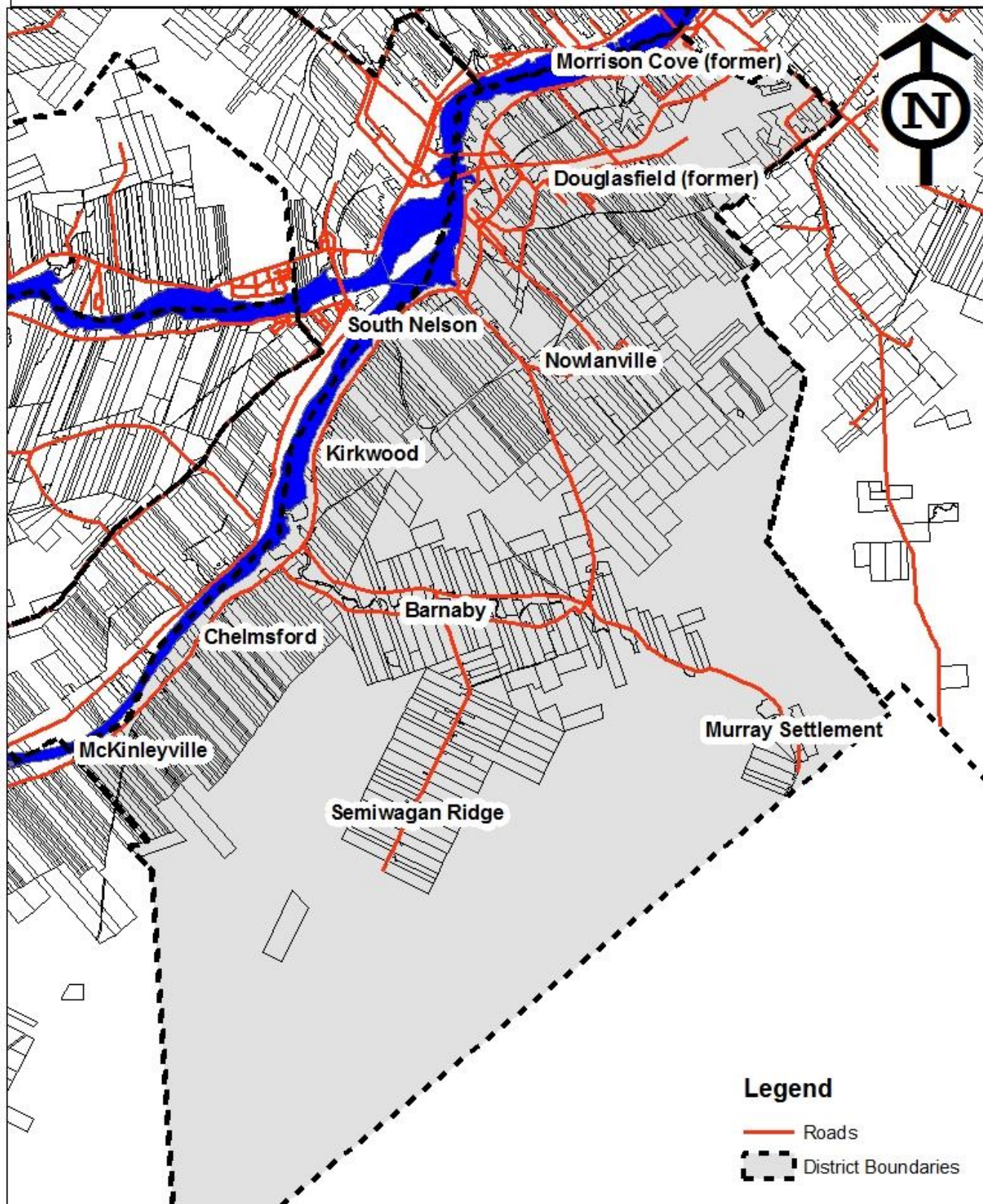
Average area held by Ownership types



District #4

439 owners

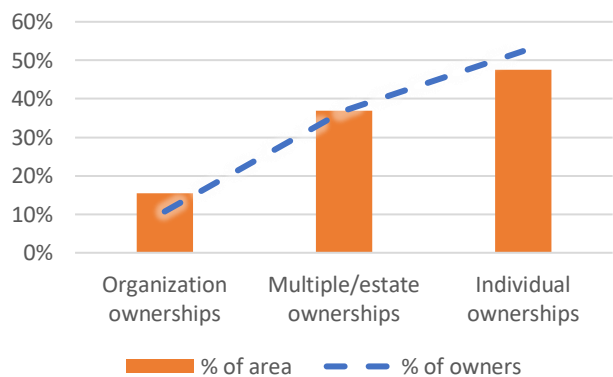
35,630 acres



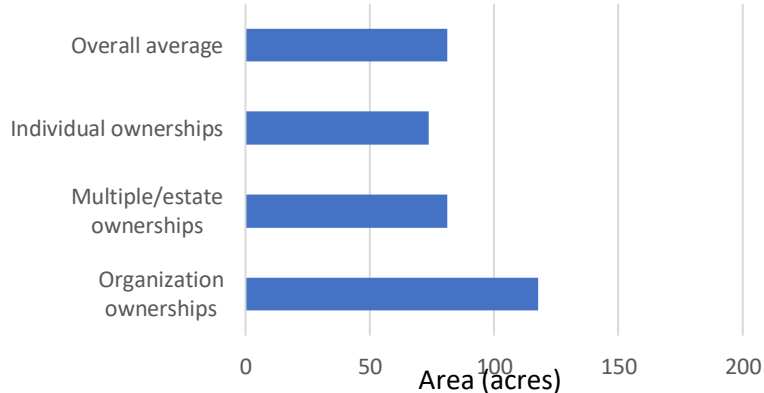
Legend

- Roads
- - - District Boundaries

Kinds of Ownership



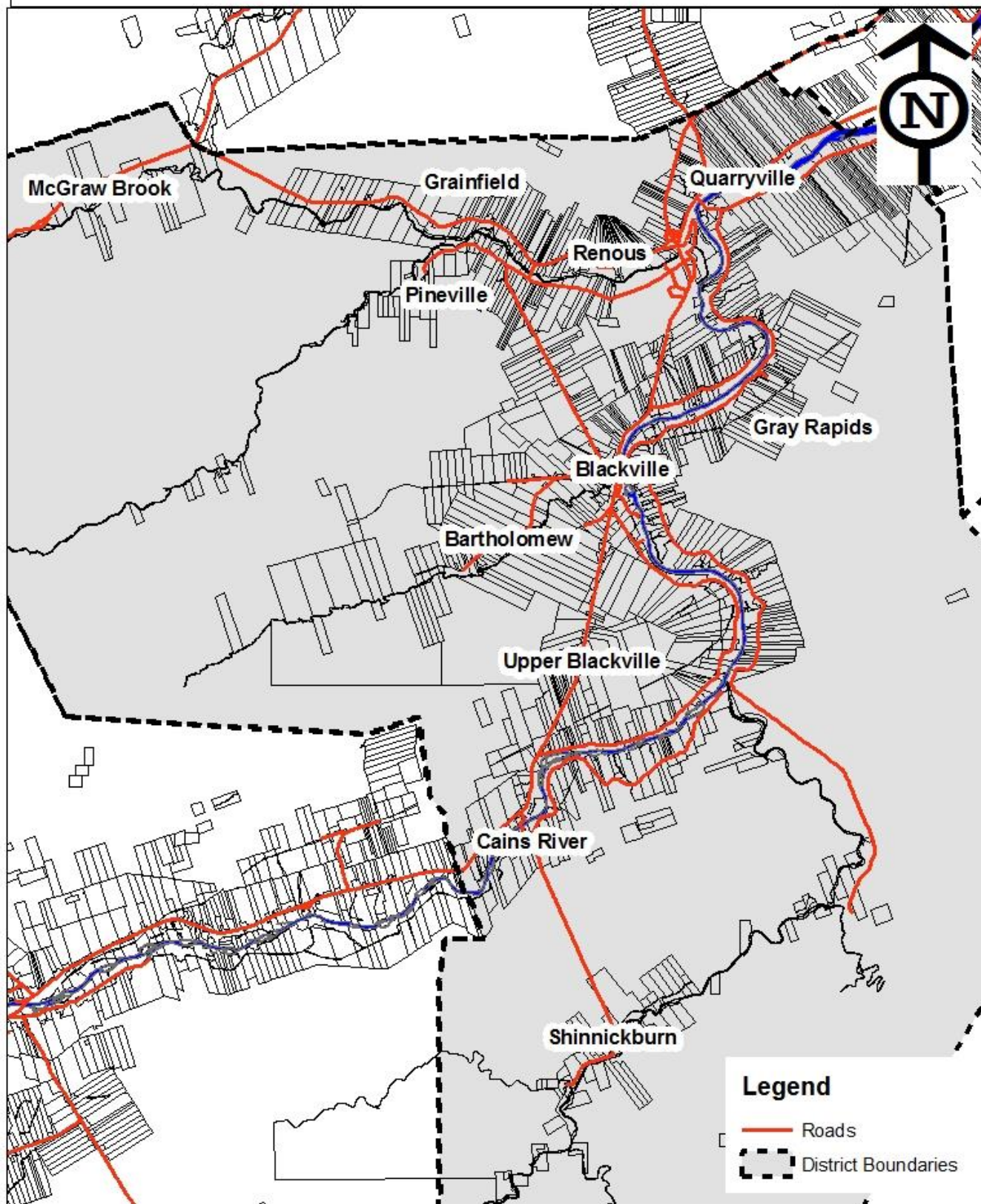
Average area held by Ownership types



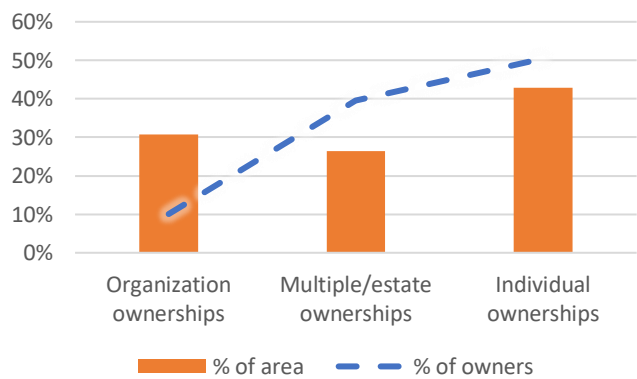
District #5

666 owners

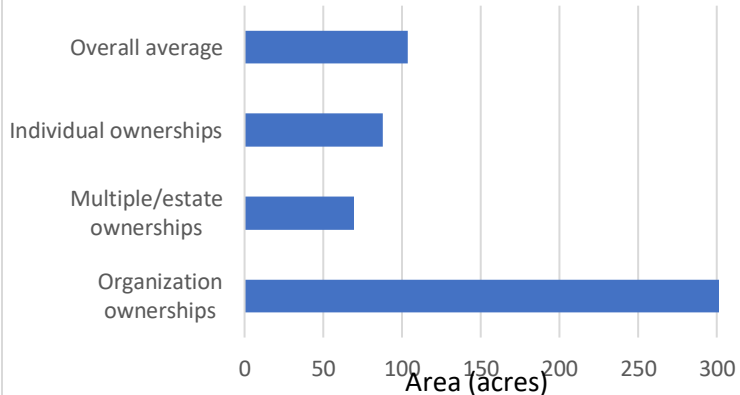
68,970 acres



Kinds of Ownership



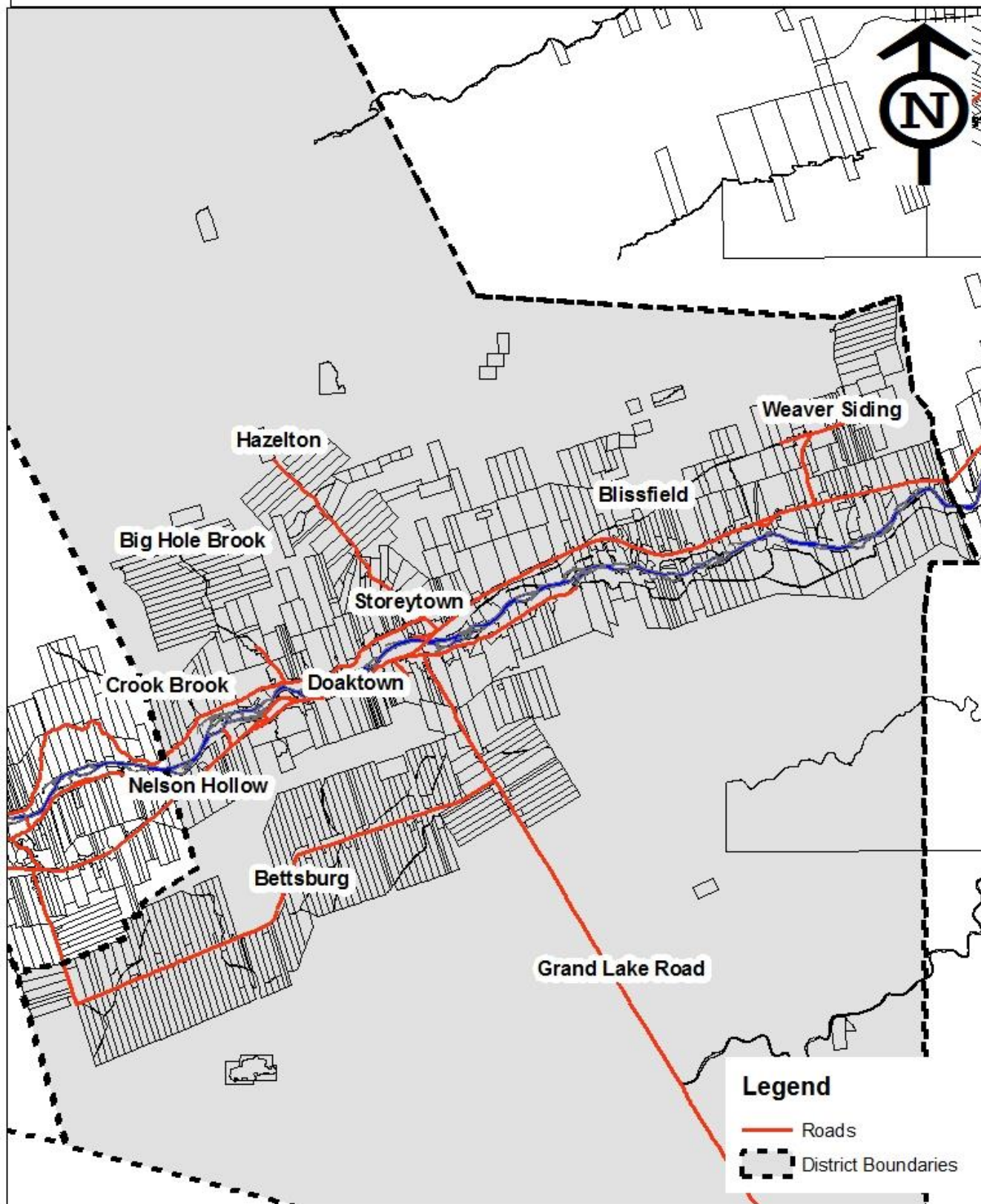
Average area held by Ownership types



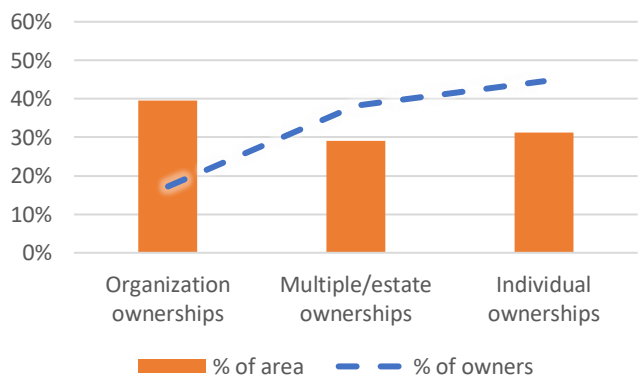
District #6

267 owners

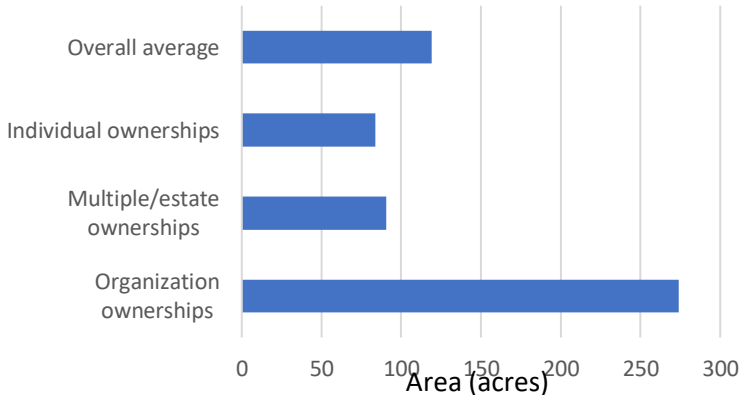
31,790 acres



Kinds of Ownership



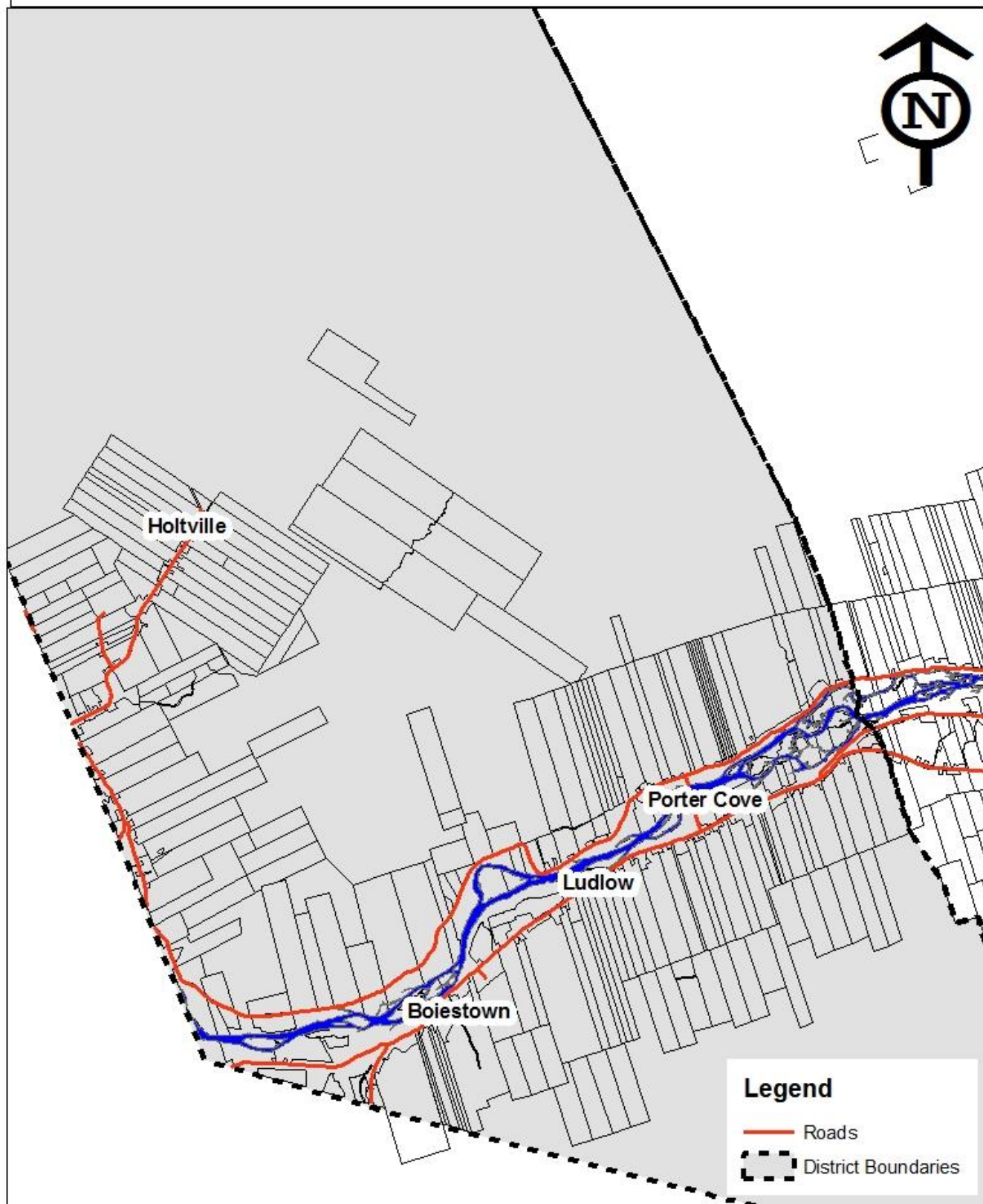
Average area held by Ownership types



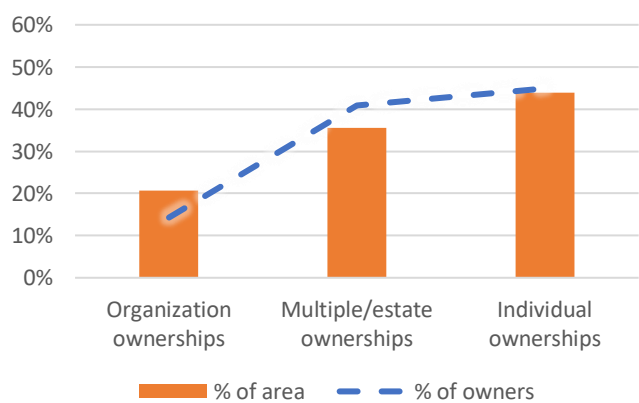
District #7

147 owners

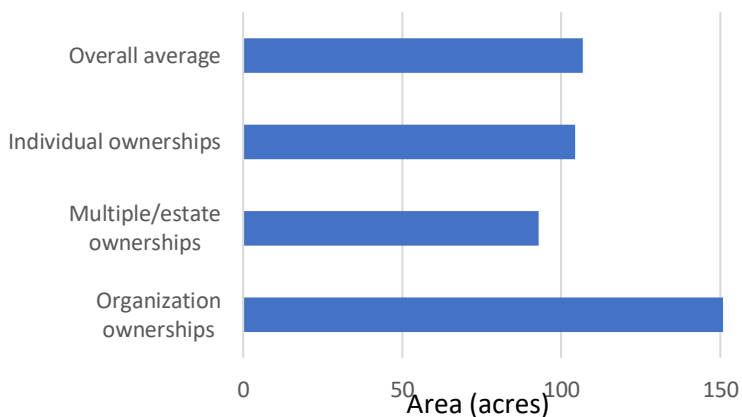
15,700 acres



Kinds of Ownership



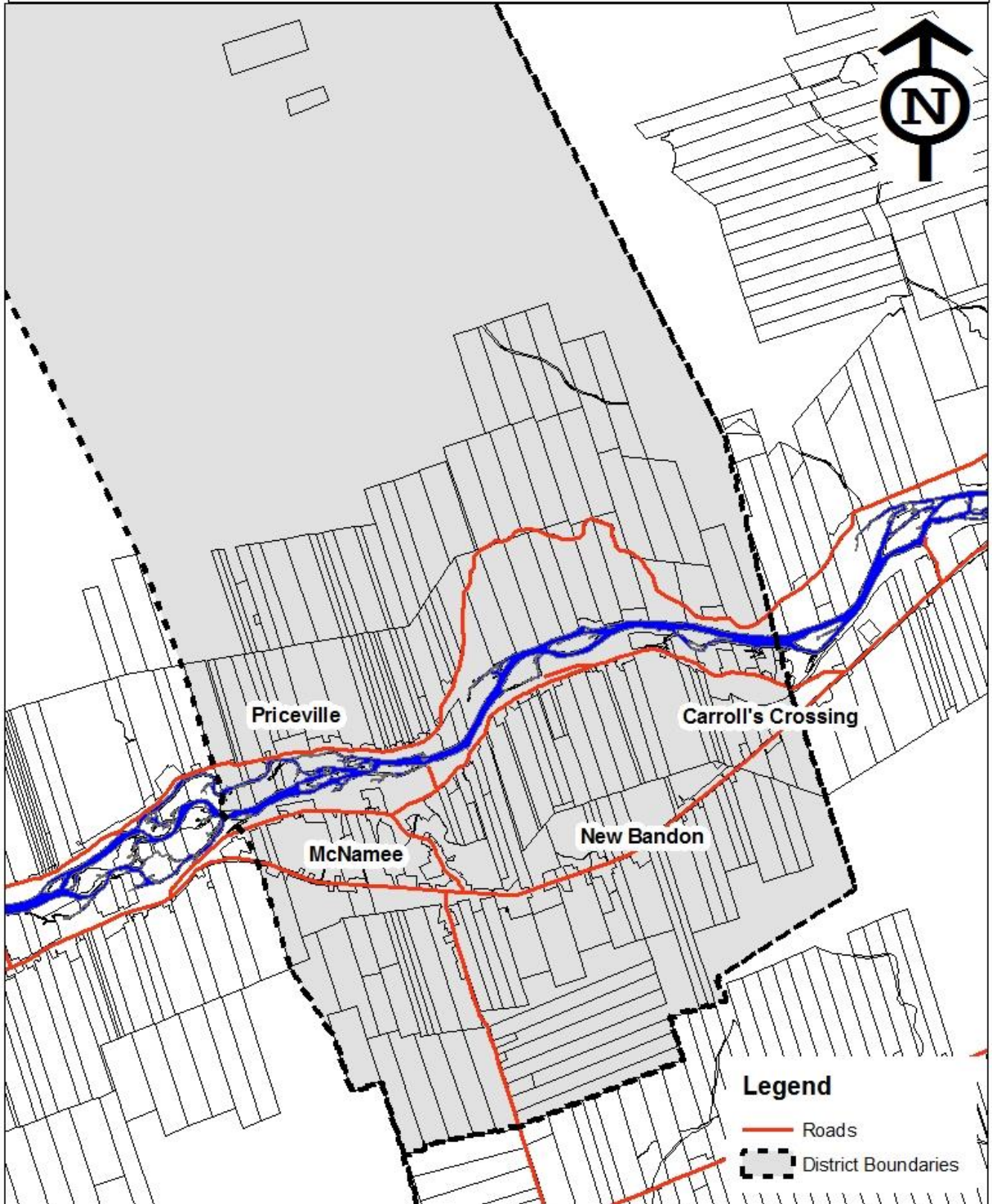
Average area held by Ownership types



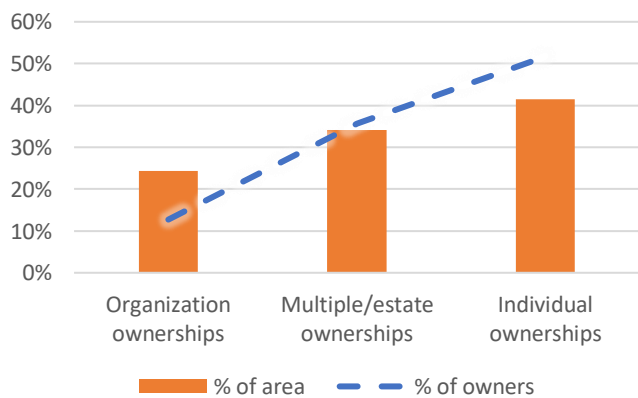
District #8

118 owners

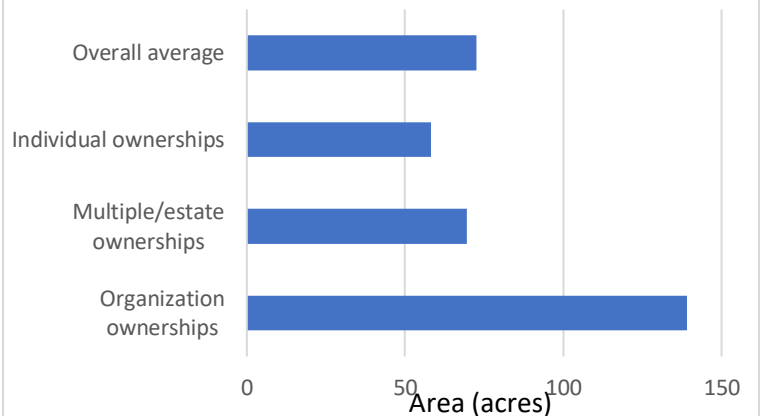
8,560 acres



Kinds of Ownership



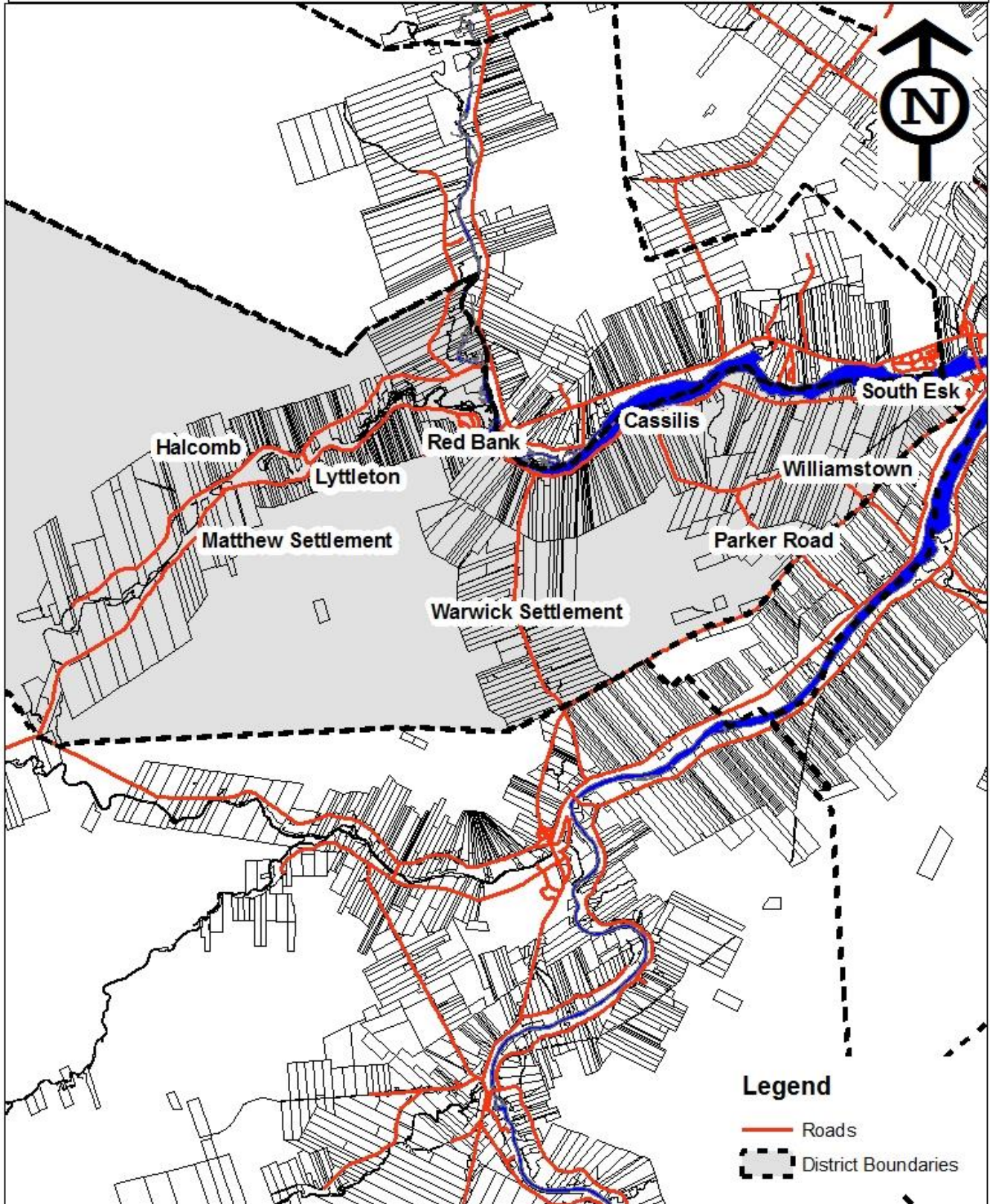
Average area held by Ownership types



District #9

351 owners

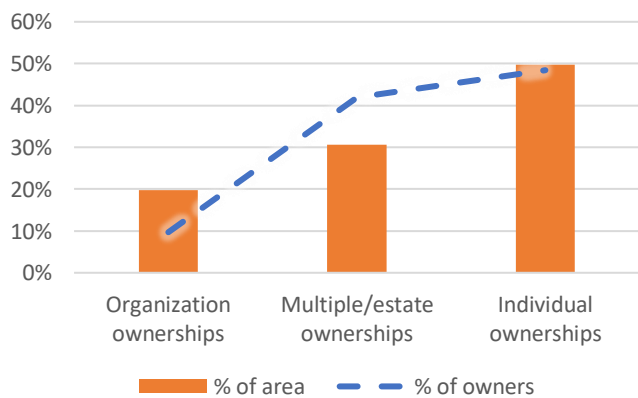
32,180 acres



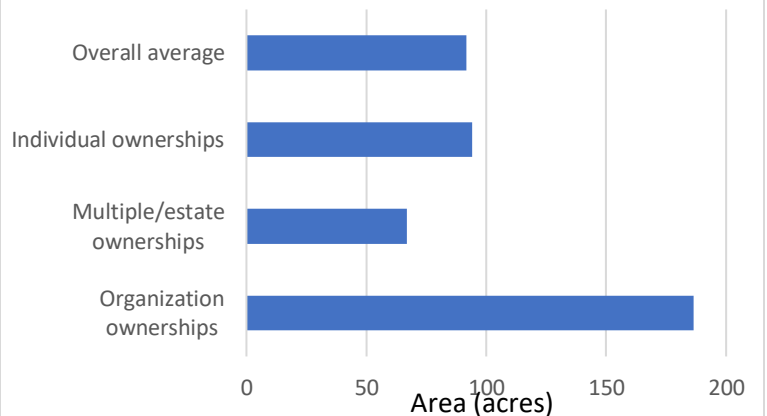
Legend

- Roads
- - - District Boundaries

Kinds of Ownership



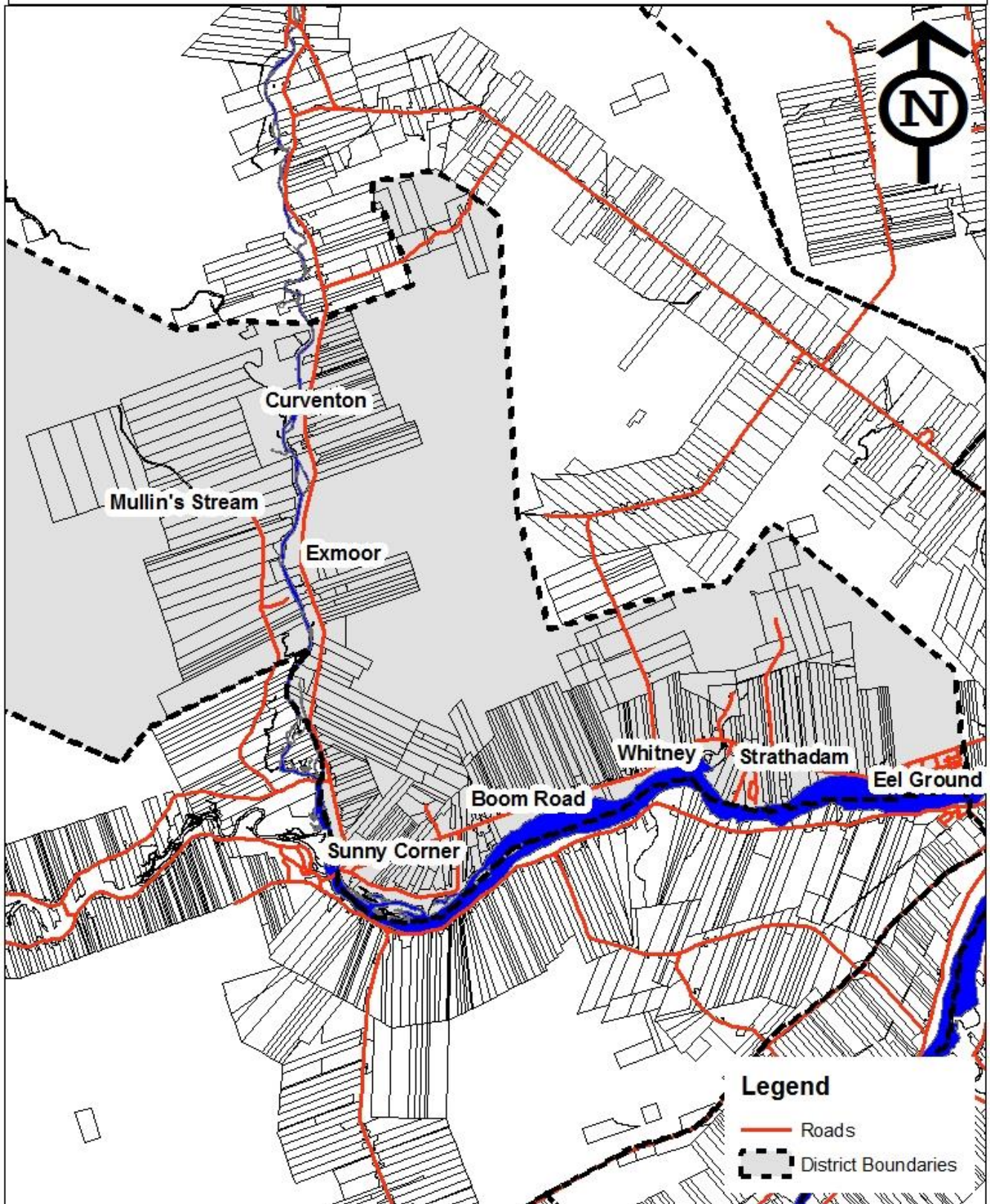
Average area held by Ownership types



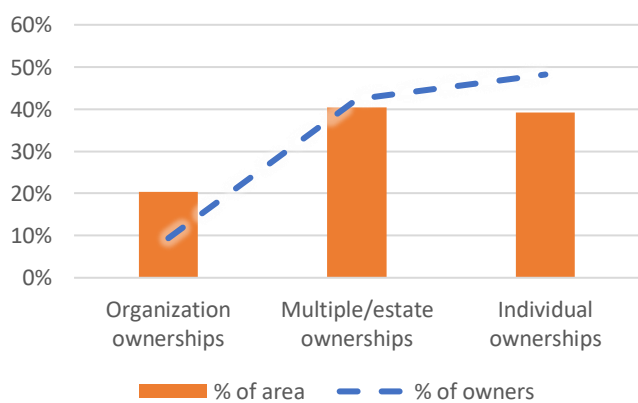
District #10

224 owners

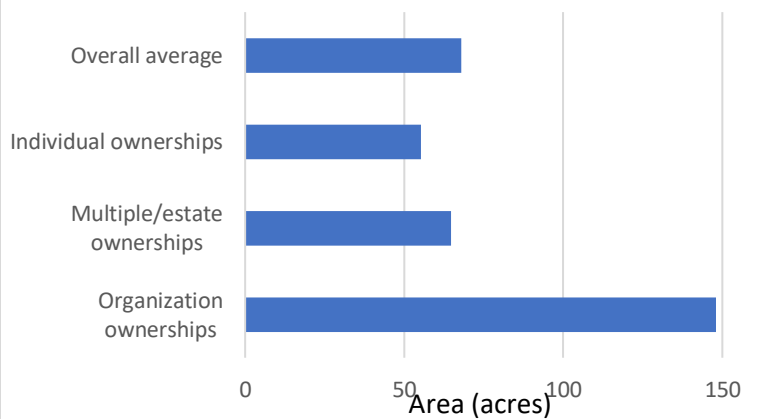
15,230 acres



Kinds of Ownership



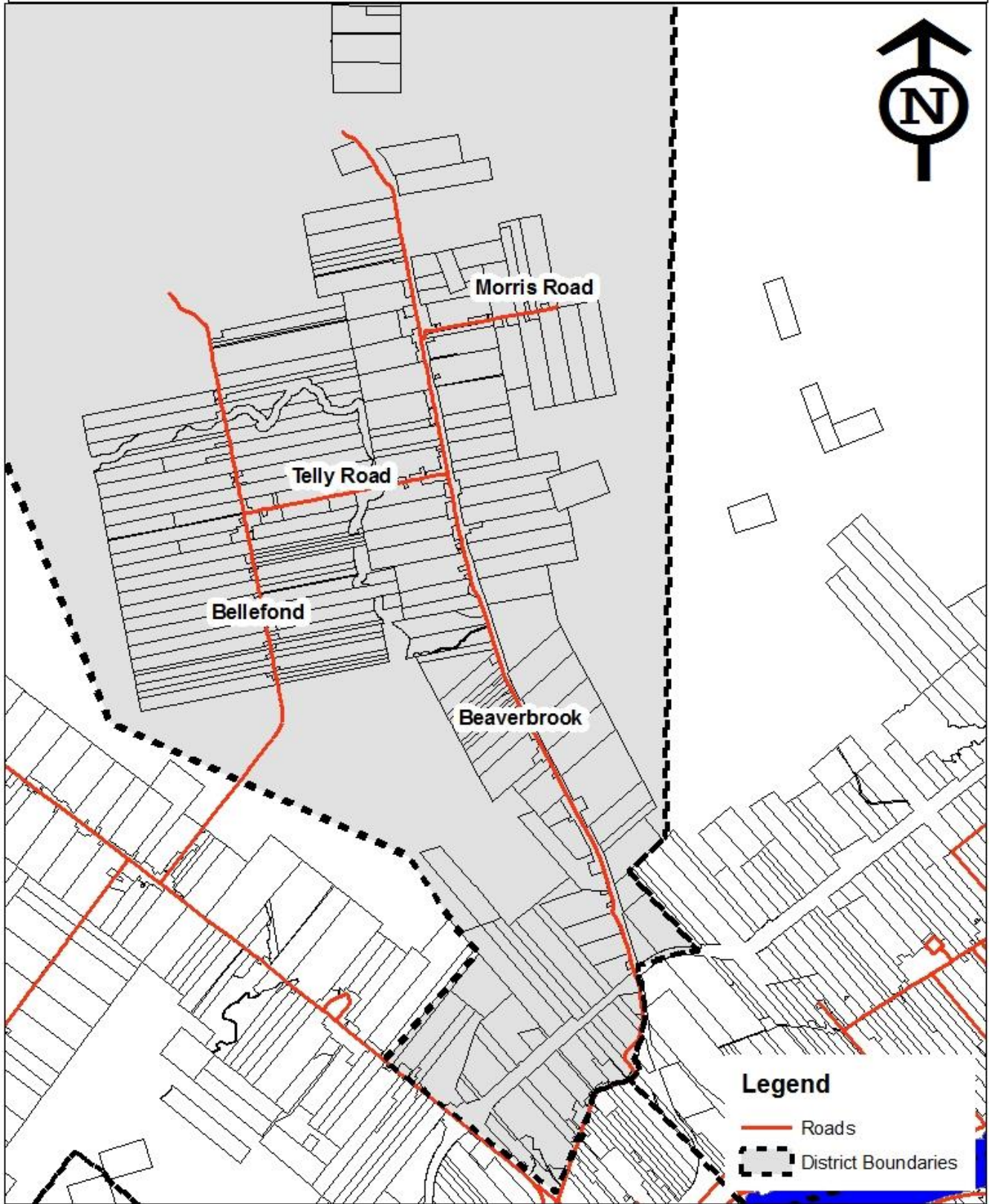
Average area held by Ownership types



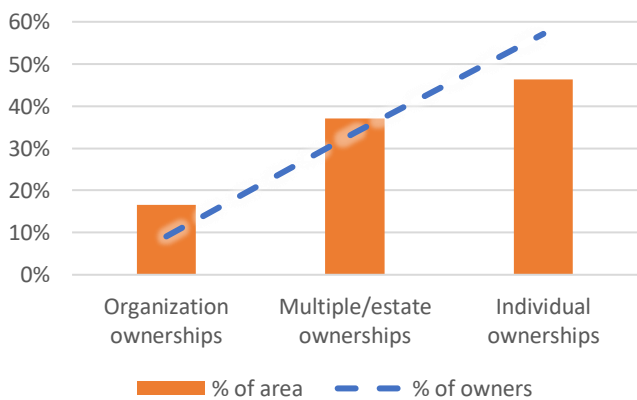
District #11

154 owners

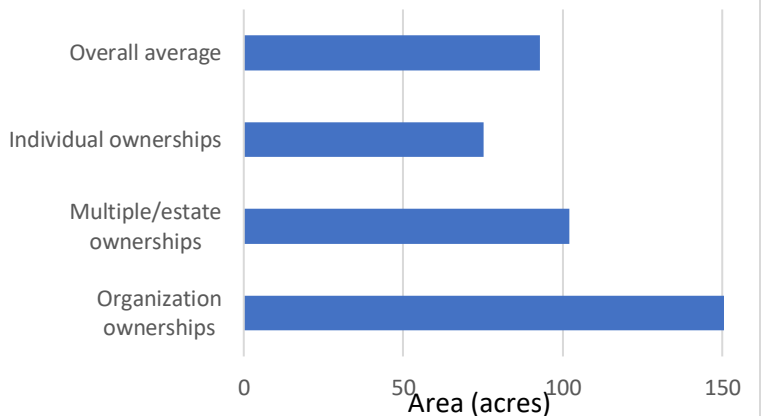
14,300 acres



Kinds of Ownership



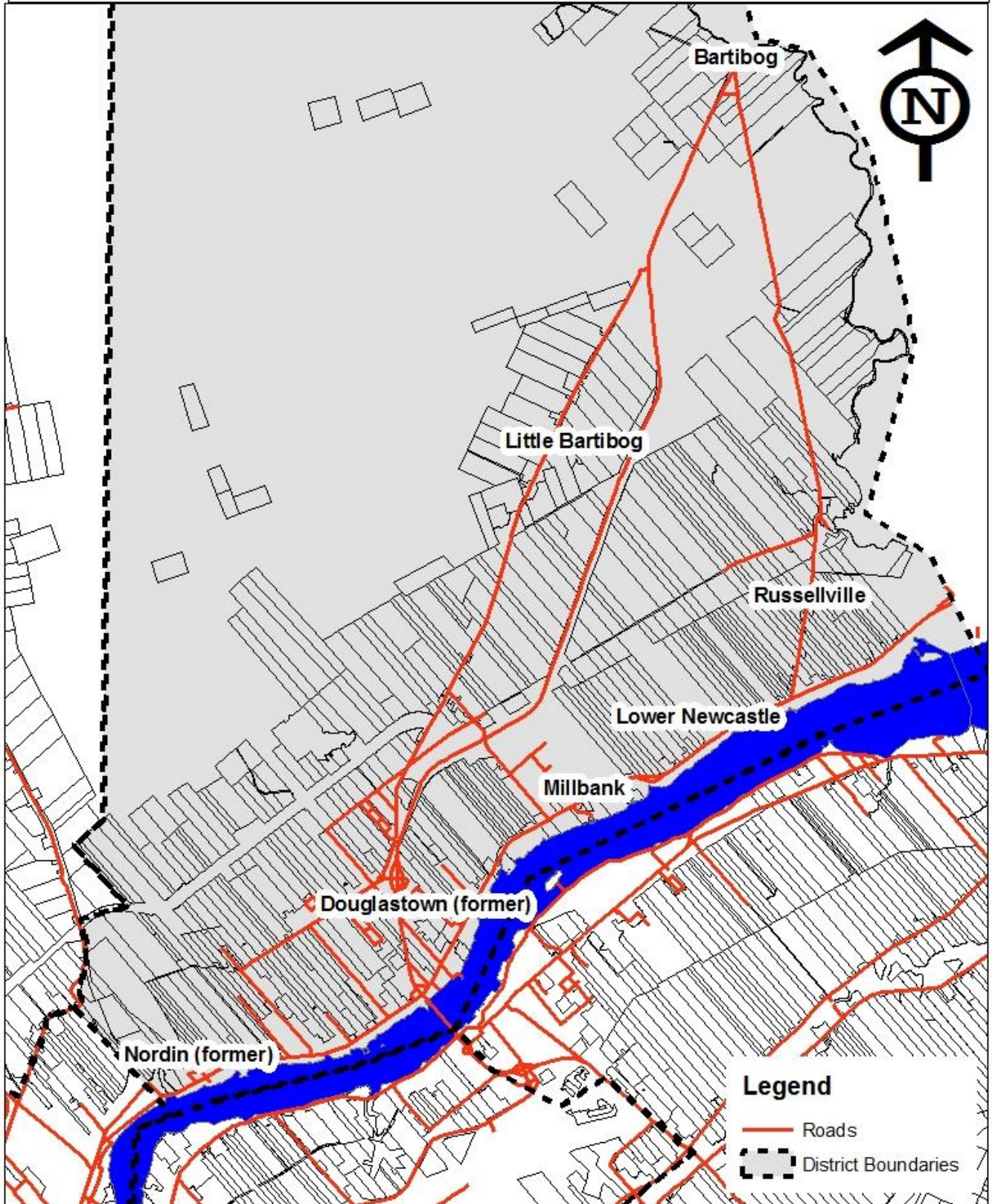
Average area held by Ownership types



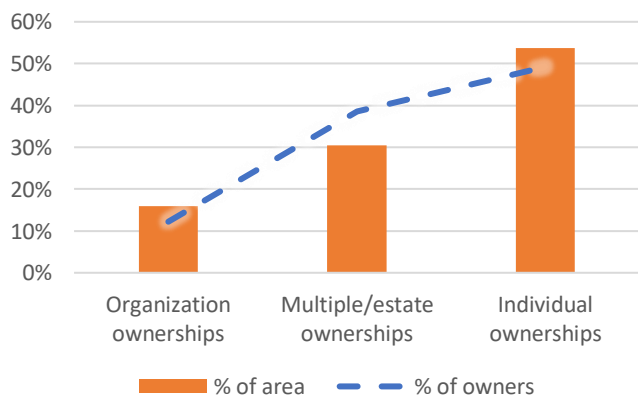
District #12

254 owners

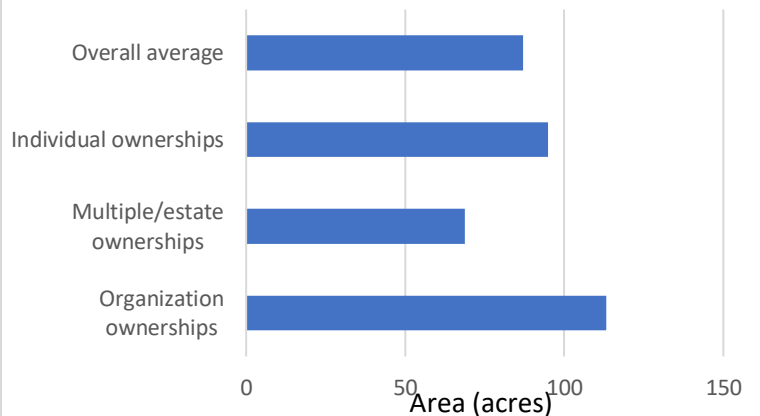
22,110 acres



Kinds of Ownership



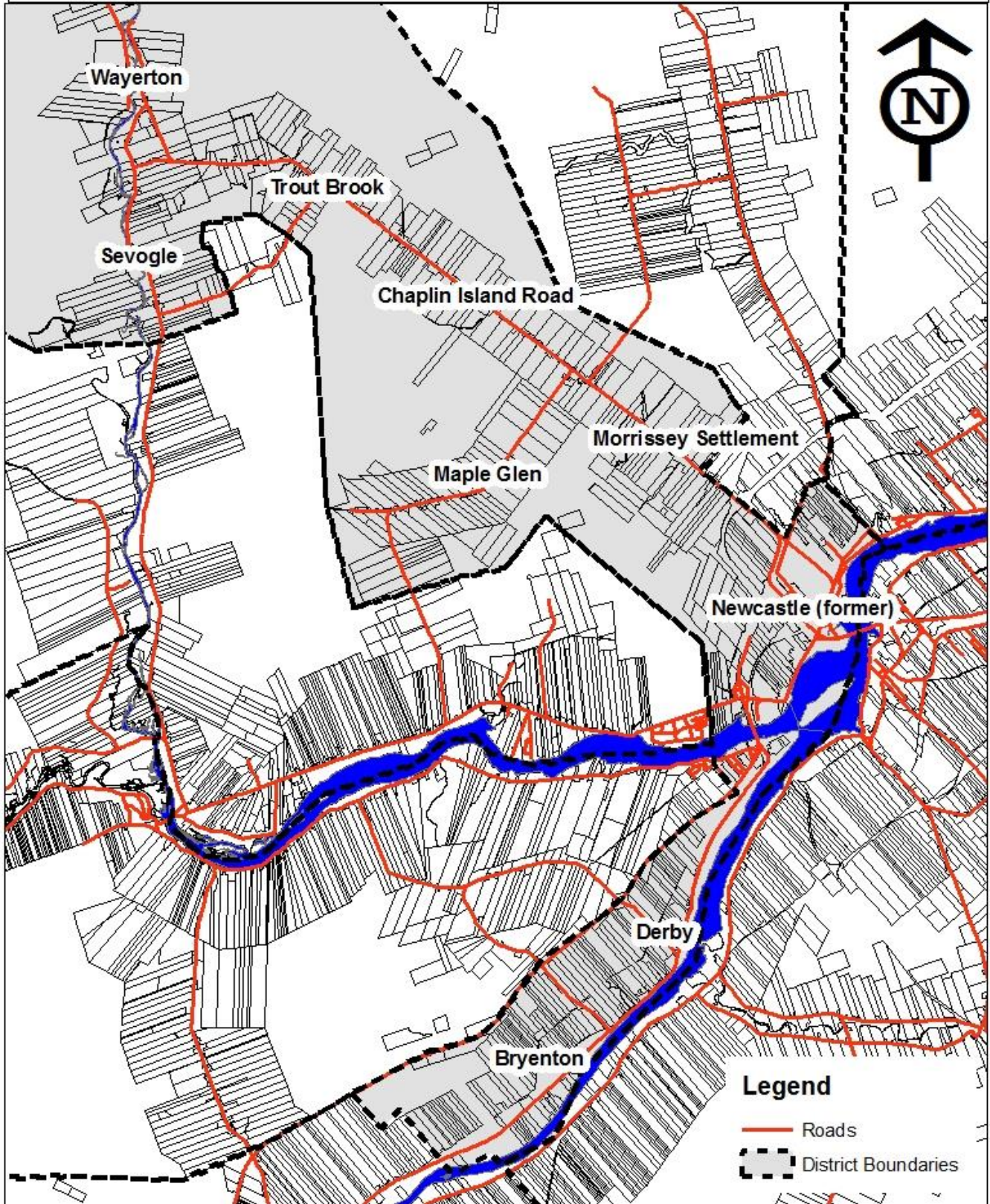
Average area held by Ownership types



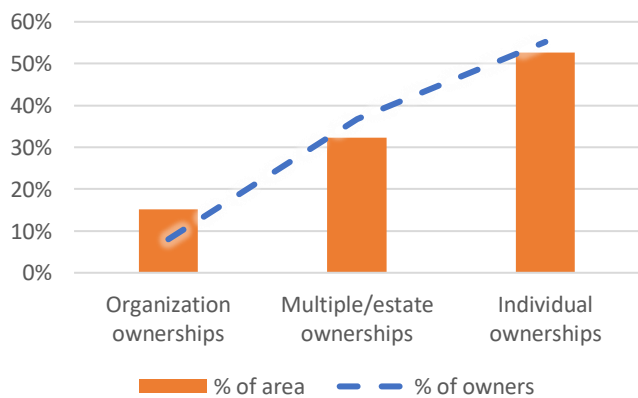
District #13

375 owners

32,030 acres



Kinds of Ownership



Average area held by Ownership types

