



FORESTS

• OF THE FUTURE •

• *in* •

THE FUNDY BIOSPHERE RESERVE

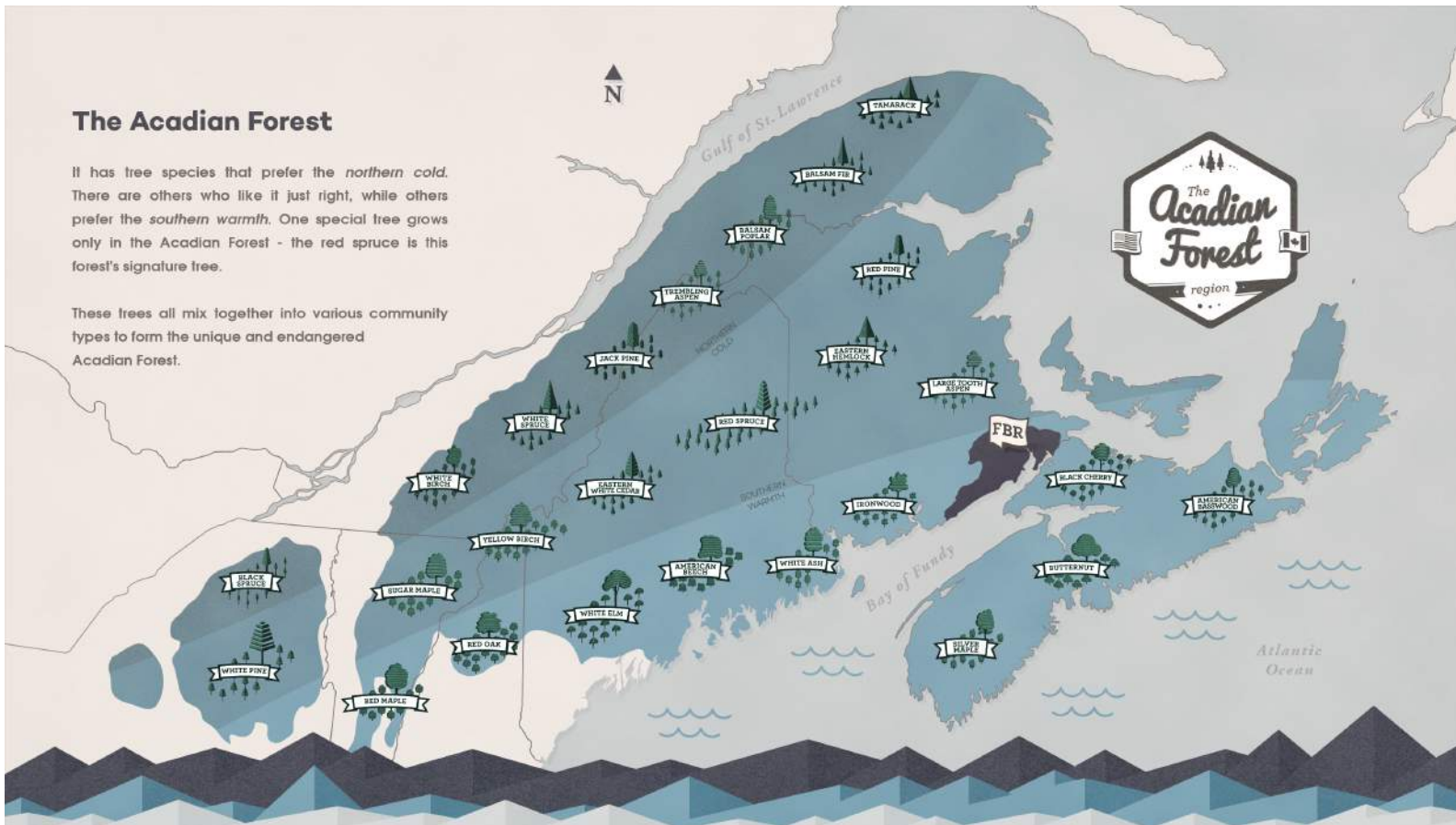
PLANTING GUIDE

for a climate change resilient forest

The Acadian Forest

It has tree species that prefer the *northern cold*. There are others who like it just right, while others prefer the *southern warmth*. One special tree grows only in the Acadian Forest - the red spruce is this forest's signature tree.

These trees all mix together into various community types to form the unique and endangered Acadian Forest.



Future climates will favour some native tree species, while others will struggle in the *Fundy Biosphere Reserve*. Northern tree species like *spruces, fir, poplars, and birches* will face more insects, disease, extreme weather, and competition, leading to slower growth and higher mortality.

By contrast, southern tree species like *maples, oaks, pines, beech, hemlock, and cherry* will have a longer growing season and faster growth.

Certain tree species may not be affected, while others may be killed by introduced diseases and insects. As a result, the overall health of the forest and its wildlife will be affected.



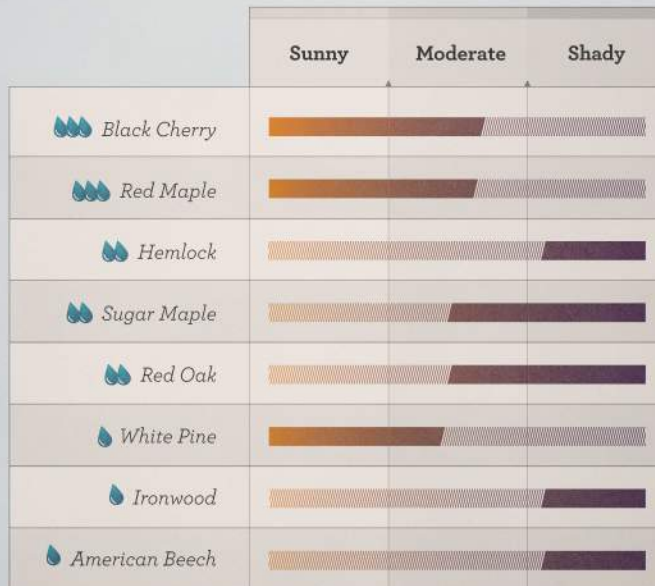
WHAT CAN WE DO TO PROTECT THE ACADIAN FOREST?

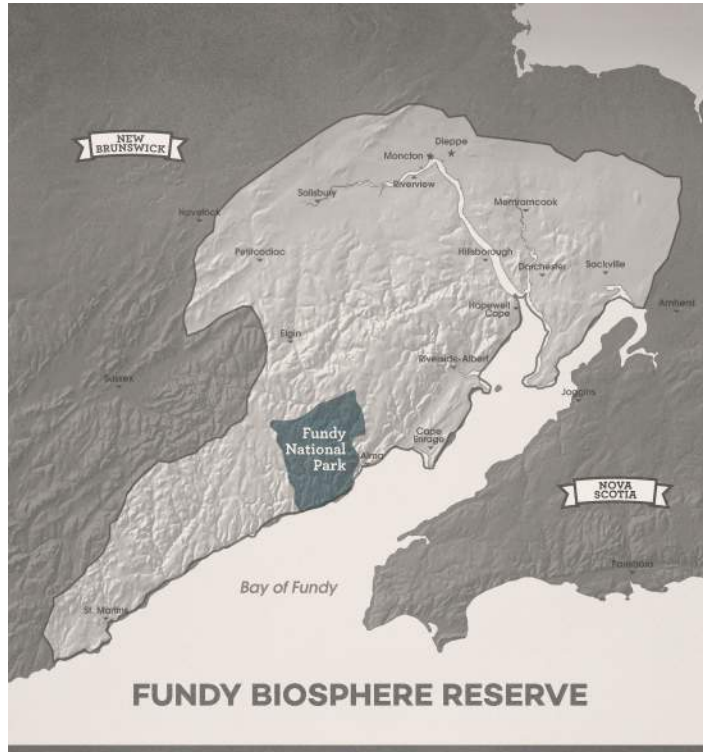
Plan A will be to reduce our greenhouse gas emissions and limit climate change.

Plan B is to plant trees best suited to future conditions to keep both the rural and urban forests healthy.

By mid-century, under a low to moderate amount of climate change there will likely be eight most resilient native tree species. All but the most vulnerable tree species should be planted. Trees take many decades to mature so we must start planting now!

Here are the conditions the most resilient eight tree species prefer:







FUNDY BIOSPHERE RESERVE

Visit our website for more information
and tree planting guides.



www.fundy-biosphere.ca

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