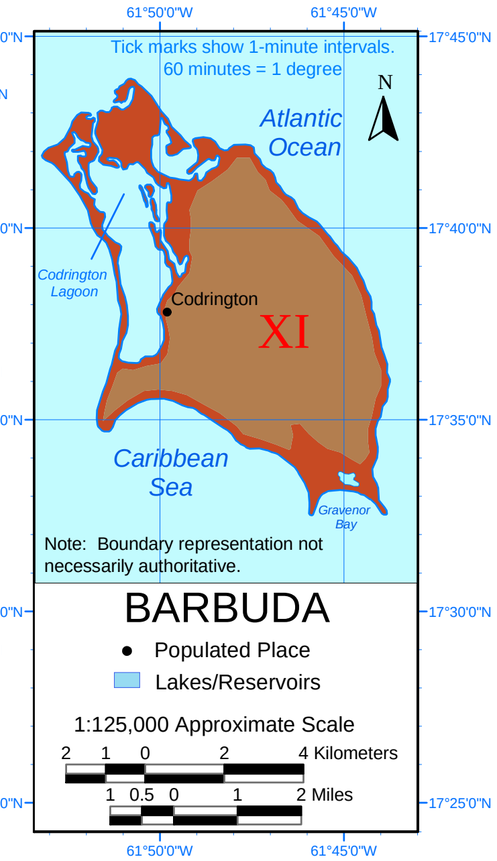
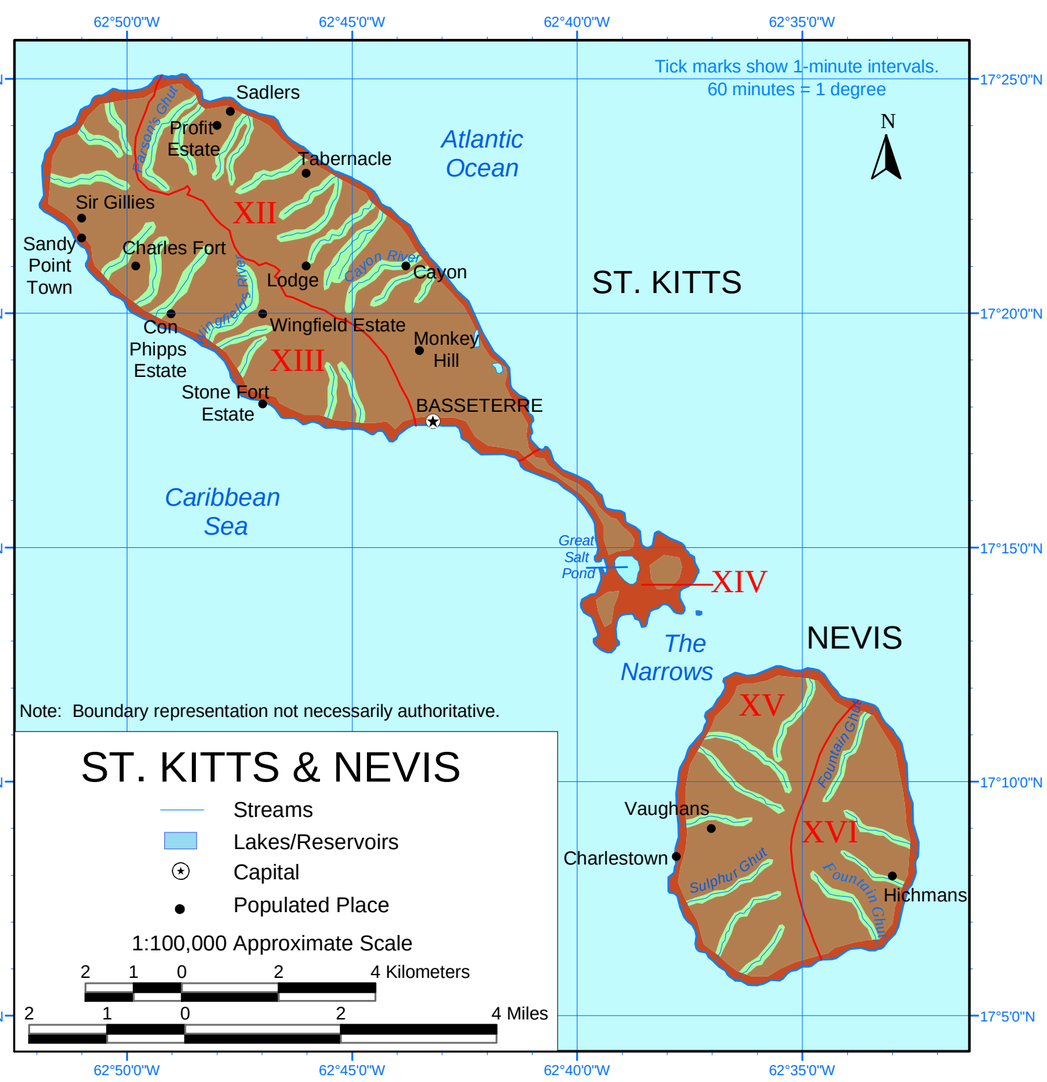


SURFACE WATER RESOURCES



Map Unit **FRESH WATER SEASONALLY AVAILABLE**

1 Meager to moderate quantities of fresh water are available from streams and reservoirs during high flow period. High flow period occurs from June to October. Meager quantities of fresh water are available from streams and ghuts during low flow period. Low flow period runs from November to May.

FRESH WATER SCARCE OR LACKING

2 Very small to small quantities of fresh water are available year round.

3 Meager to very small quantities of fresh water are available after major continuous storm events generally between September and November.

4 Unsuitable to meager quantities of fresh water are available after major continuous storm events generally between September and November. In Barbuda, unsuitable quantities of fresh water are available.

5 Very small to very large quantities of brackish to saline water are available at or near the coastal areas.

Note: Map unit numbers refer to entries in table C-1.

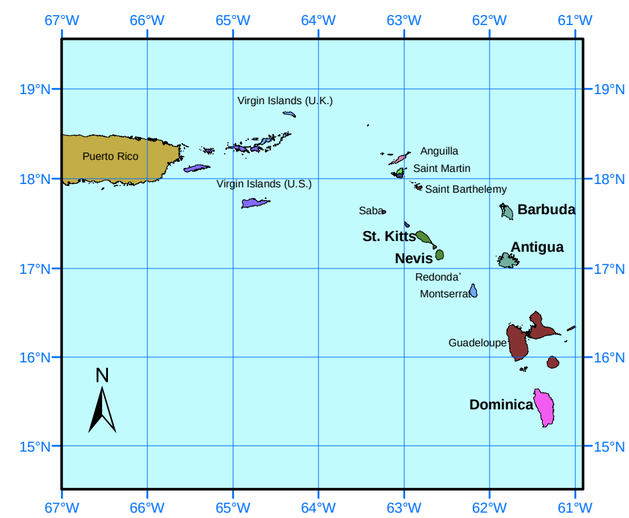
HYDROLOGICAL BASINS

I	Lamothe	IX	South
II	Northwest	X	East
III	Layou	XI	Barbuda
IV	Roseau	XII	Northeast
V	Castle Bruce	XIII	Southwest
VI	Melville Hall	XIV	Southeast
VII	North	XV	Charlestown
VIII	West	XVI	Fountain

Hydrological Basin Boundary

QUANTITATIVE TERMS:

Enormous = >5,000 cubic meters per second (m^3/s) (176,550 cubic feet per second (ft^3/s))
Very large = >500 to 5,000 m^3/s (17,655 to 176,550 ft^3/s)
Large = >100 to 500 m^3/s (3,530 to 17,655 ft^3/s)
Moderate = >10 to 100 m^3/s (350 to 3,530 ft^3/s)
Small = >1 to 10 m^3/s (35 to 350 ft^3/s)
Very small = >0.1 to 1 m^3/s (3.5 to 35 ft^3/s)
Meager = >0.01 to 0.1 m^3/s (0.35 to 3.5 ft^3/s)
Unsuitable = ≤0.01 m^3/s (0.35 ft^3/s)



CONVERSION CHART:

To Convert	Multiply By	To Obtain
cubic meters per second	15,840	gallons per minute
cubic meters per second	60,000	liters per minute
cubic meters per second	35.31	cubic feet per second

QUALITATIVE TERMS:

Fresh water = maximum total dissolved solids (TDS) ≤1,000 milligrams per liter (mg/L); maximum chlorides ≤600 mg/L; and maximum sulfates ≤300 mg/L
Brackish water = maximum TDS >1,000 mg/L but ≤15,000 mg/L
Saline water = TDS >15,000 mg/L

Note: Features have been obtained from various sources of differing scales. Alignment and geospatial accuracy are approximate.

Figure C-1. Surface Water Resources