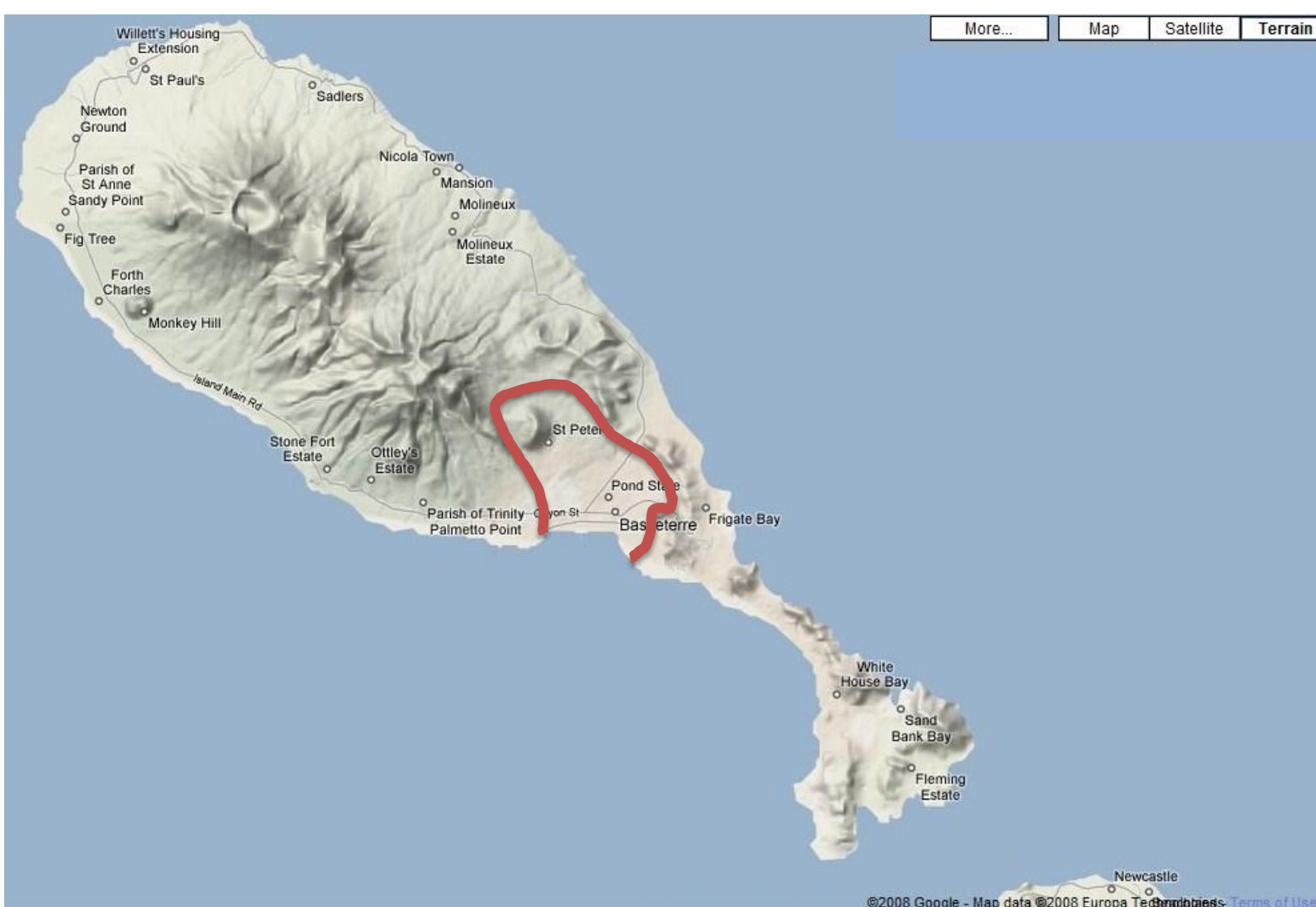


PROTECTING THE GROUDWATER RESOURCES OF THE BASSETERRE VALLEY AQUIFER

What the IWCAM approach?

A better **INTEGRATED** way of managing our precious water resources to mitigate against the severe health, environmental and economic problems faced by Caribbean small island states

WHERE IS THE BASSETERRE VALLEY AQUIFER?



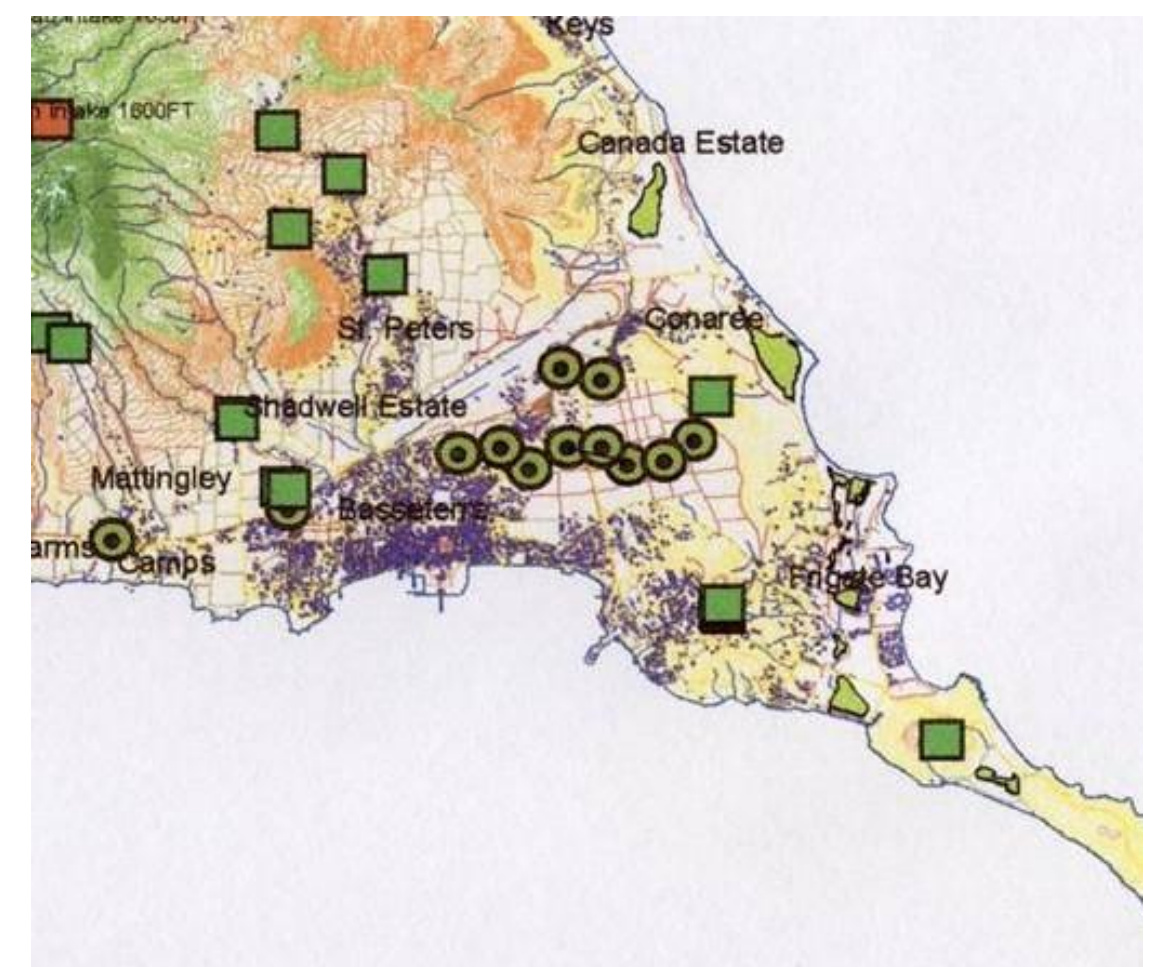
Location of the Basseterre Valley



Location of the Royal Basseterre Valley Park

WHY DO WE NEED TO PROTECT THE AQUIFER?

- **The Basseterre Valley Aquifer provides 2 MGD of drinking water! (~ 30% of our total water supply)**
- **The aquifer is threatened by:**
 - ✓ Domestic wastewater
 - ✓ Agricultural pollution
 - ✓ Inappropriate land use
 - ✓ Inefficient use of groundwater



Wells located in the Basseterre Valley Aquifer

HOW ARE WE PROTECTING THE AQUIFER?

1. Comprehensive study of the aquifer completed in 2009-2010
2. Designation of the well field area as a Protected Area
3. Installation of oil/water separator at Needsmust Power Plant to reduce oily waste discharge into the aquifer
4. Installation of automated tank level controls to reduce overflowing reservoirs
5. Various training and capacity building seminars
6. Various public education and outreach activities