



WATER-RIGHT DOCKET

Virgin Islands National Park

Docket No: 11

WELL #11, CINNAMON BAY

Other Supporting Information

00-00-0000: summary of water supply at cinnamon bay, st. john, v.i.

Table 1.—Summary of water supply at Cinnamon Bay, St. John, V. I.

Source	Estimated safe yield gpm	Field chloride ppm	Possible use	Proposed type pump
NPS-6	2,000	400	Discharge to cistern	Submersible
NPS-9	3,000 to 5,000	290	Discharge to cistern	Submersible
NPS-11	500 to 1,000	240	Drinking water	Deep well cylinder hand pump
NPS-12	500 to 3,000	350-5,000	Sanitary purposes	Shallow well centrifugal
*Spring	0 to 2,000	400	Discharge to cistern	Gravity flow
**Well points	500 to 1,000 ea. 500-5,000		Sanitary purposes	Shallow well centrifugal

*Present supply.

**Not in existence at present.

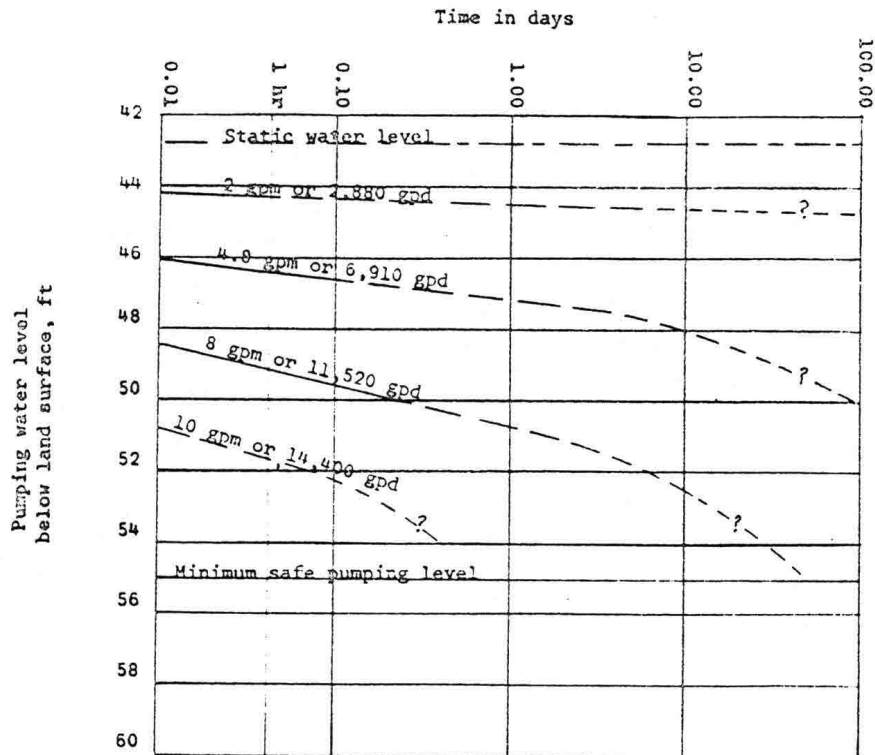


Figure 1.--Actual and projected pumping water levels at various pumping rates in well NPS-9 Cinnamon Bay, St. John, Virgin Islands.

Solid lines represent test data; dashed lines are projections. The degree of reliability is proportional to the length of the dashes, the longest indicating greatest reliability.

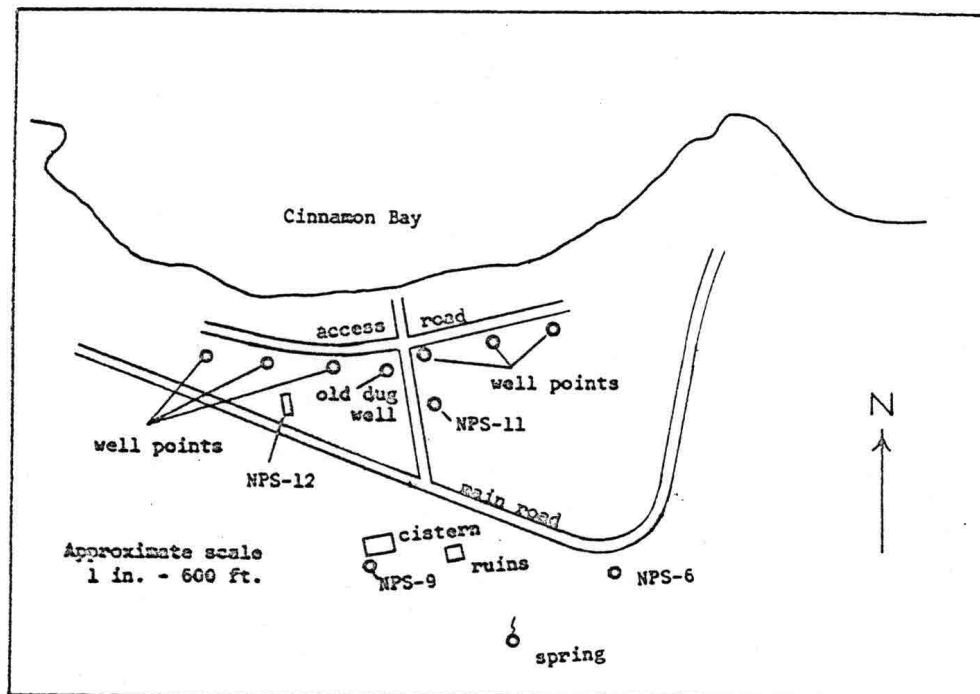


Figure 2.--Sketch of the Cinnamon Bay area showing locations of wells

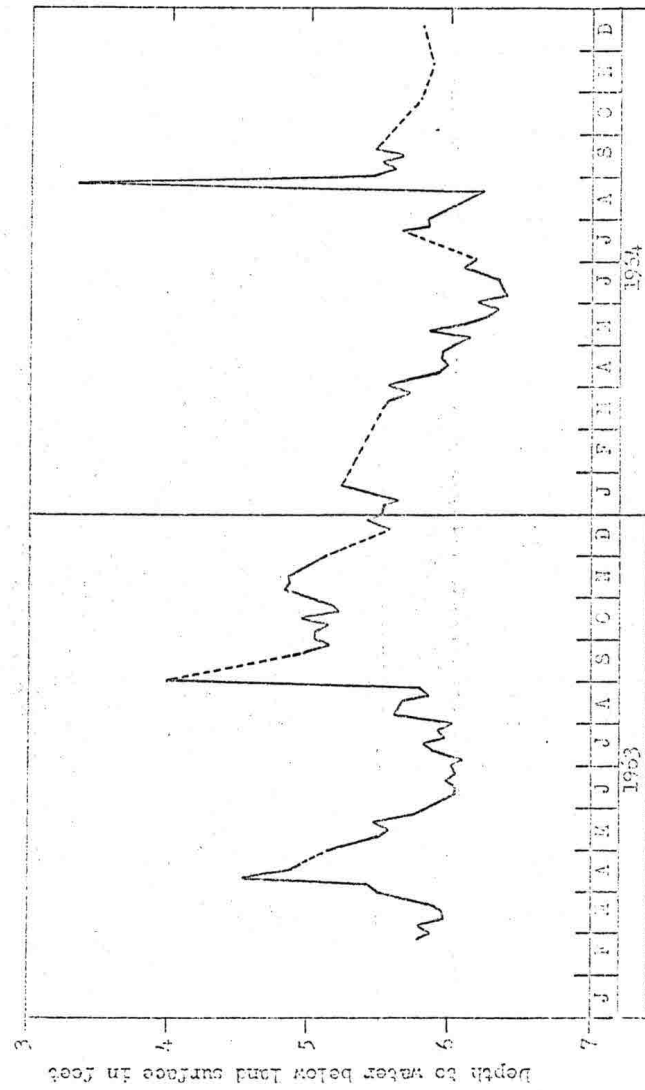


Figure 1.-- Highest daily water level below land surface, dug well 123 #12, Cinnamon Bay, St. John, V. I.

Table 3.--Chloride content, as determined from
field analyses, of water from well NPS-9 Cinnamon Bay, St. John

Date	Meter reading, gallons	Temperature, °F	Chloride, ppm
11-18-64	5,560	80	270
11-20-64	-	80	280
11-23-64	12,940	80	270
11-24-64	14,150	82	280
11-25-64	15,590	81	280
11-27-64	18,110	84	270
12-3-64	27,410	80	290
12-4-64	29,160	82	290
12-11-64	45,130	79	290
12-17-64	-	-	330

Docket Information

Number of Documents in Docket 5

Documents Dated from to

Docket Compiled: 7/28/2011