

NOTICE.

A MEETING of the St. Croix Turf Club will be held on SATURDAY EVENING JUNE 21st 1924, 8 o'clock at Est. Fredensborg to make arrangements for the Races on the 4th July.

All members are politely requested to attend.

By order

H. MACKAY
Sec.

DISEASES DANGEROUS TO PUBLIC HEALTH IN THE VIRGIN ISLANDS OF THE UNITED STATES.

During the month of May, 1924, the following diseases of interest to the public have been reported in the Virgin Islands:

In Saint Croix.

Filaria	7
Trachoma	6
Tuberculosis	2

In St. Thomas.—St. John.

Pellagra	1
Tuberculosis	1

H. M. STENHOUSE, M. D.

Chief Sanitation Officer,
Municipality of St. Croix.

LOCAL

The Native Brass Band of Christiansted under the leadership of Bandmaster Jackson paid Frederiksted a visit on Tuesday night and enlivened the town with a brilliant concert on the former Danish Club gallery. Among the fine pieces on the program were "Bones Trombone" and "Banddidntstrike." These two numbers received deafening applause and encores by the large audience. After the concert the Band took the jolly crowd for a tramp and serenaded Postmaster Leader on their way up town. Music lovers took advantage of the beautiful moonlight and turned out in great numbers to enjoy the concert.

The sloop Mizpah with mails and passengers arrived this morning from St. Thomas.

REPORT AND ESTIMATE ON IRRIGATION POSSIBILITIES ON ISLAND OF ST. CROIX, VIRGIN ISLANDS, U. S. A.

By C. C. FISHER, Engineer,
Department of Interior, Bureau of Reclamation.

(Continued from yesterday's Avis.)

54. The yearly shortages of these two reservoirs expressed in percent of the

yearly requirements as shown in Tables 8 & 9 are as follows:

	1918	1920	1921	1922	1923
Jolly Hill Reservoir	20%	15%	28%	29%	36 1/2%
River	15	13	29	32	31

These shortages though high are not prohibitive, and even in such a period as this the reservoirs will be of material help. It is not generally feasible in planning the large irrigation projects of the United States to be sufficiently conservative to guarantee a full water supply during a series of dry years, and it is common practice to figure an allowable shortage of 25% to 35%. In the engineers report on the proposed Isabela project in Porto Rico, the estimated shortage for 1922 is 30% to 35%, and the statement is made that "a shortage of this amount in one year out of twenty is not considered serious." The computations of the operation of the Manning Bay and Salt River reservoirs are not carried far enough to determine the percentages of shortage during the current dry cycle, but it is estimated they will be a little greater, especially in the Manning Bay on account of its large water surface area and consequent heavy loss.

55. The conclusions reached from the reservoir operation studies as to area that may be irrigated, required reservoir capacity, and required height and length of dam are as follows:

Reservoir	Area Irrigated	Area Beneficial	Res. Capacity	Dam Height	Dam Length
Jolly Hill	1000	1250	2000	90'	890'
River	1000	1250	2200	70	1220
Manning Bay	1000	1250	2000	50	1250
Salt River	500	625	2000	38	1110

56. The Manning Bay reservoir is an alternate plan to the River site; that is, it is in the same drainage basin and would water the same land. There is not water supply enough for the two reservoirs and it is the judgment of the writer that the River site is the more favorable. The Manning Bay site is not favored for the following reasons:

(a) The dam and reservoir site are in the newer lime stone formations which is less favorable as to seepage than is the older rock.

(b) The dam foundation is at least uncertain and may be unfavorable. A test pit of 20 odd feet shows only loose debris, sand, gravel, etc. The foundation will go below sea level and will be expensive to unwater.

(c) The reservoir is wide and flat and seepage and evaporation losses will necessarily be heavy.

(d) The drainage area, though large for the Island, is mostly flat land and is ineffective for ordinary rainfalls. In fact it is commonly known that many of the smaller floods passing the River dam site are entirely absorbed before reaching the Manning Bay site. The mountainous drainage area is but slightly larger than that of the River site with its features.

(e) It is a pumping project and the operation cost will therefore be high. The same area can be covered by gravity from the River site.

Unit Prices

57. Current unit prices on the island are quoted as follows:

Common labor, 40cts to 50cts per day of 9 hours. Labor is said to be about 20% efficient as compared to American labor, or equivalent to \$2.00 to 2.50 per day.

Carpenters and mechanics, \$1.25 to \$2.00 per day.

Man and one horse cost (4 C. Y. Capacity) \$1.25 per day.

Cement (Foreign) \$3.30 per bbl.

Beach sand delivered, 75cts to \$1.50 per c. y.

Beach gravel delivered, \$1.15 to \$2.00 per c. y.

Lime 60cts per bbl.

Lumber \$70.00 per M. B. M.

Rein steel 6cts per lb.

Diesel engine oil, 6cts per gal.

58. The above unit prices especially for labor are somewhat less than in the States, and the unit costs of construction should therefore be correspondingly lower. It is the opinion of the Public Works Department on the Island that construction costs may be figured about 5% lower than in the States.

(To be continued.)

TELEGRAMS.

ST. CROIX STATION.

Beckenham, Eng. June 13th.—Miss E. Ryan today defeated Molla Mallory, 6-2, 6-3, in the semi-finals of the Kent County Championship Tennis Tournament.

Paris, June 14th.—United Press. (On leaving the Elysee this morning, after a conference with President Doumergue, M. Herriot said: "My Cabinet is already virtually formed. Only a few consultations are necessary before I shall be able to announce the list. I expect to appear before the Chamber next Tuesday to make a formal ministerial statement the main lines of which will be drawn up this afternoon by my colleagues and myself. I hope to be able to leave on Saturday evening to meet Premier MacDonald at Chequers Court".

Paris, June 14th.—United Press. The Press today generally approve the selection of General Charles Dawes as Vice-Presidential Cabinet of the Republican Party with President Coolidge. "France welcomes General Dawes candidacy". Le Matin says, adding the French people have not forgotten that it was under the direction of General Dawes and Mr. Owen Young that the greatest step toward post-war peace was made when the experts submitted their report on Reparations. Le Journal remarks that General Dawes election proves that America still has many illusions regarding the effect of the experts plan for a reparation settlement. The Republican platform, this newspaper believes also shows the