### Ap**pendix** B

JUL 23 1981 Real 1

#### REEF BAY SUGAR FACTORY HISTORIC DISTRICT

#### DESCRIPTION:

Reef Bay Factory Historic District lies at the head of Reef Bay immediately behind the beach. In addition to the factory, the district has a horsemill, the remains of 3 small dwellings, a free standing bake oven, an oxpound, a cemetery with one marked grave and a well and drinking trough. Reef Bay Estate, of which the factory is part, came under cultivation early in the 18th century as a cattle and cotton plantation. About 1800 it was joined with Par Force Estate to the north and the combined esta es of more than 400 acres were devoted to the cultivation of sugar cane.

Reef Bay Factory is the best preserved of its kind in the Virgin Islands and has retained its coppers, flues, crystalization platform, tool racks and other features of the sugar manufacturing process as well as a complete mid-19th century steam powered cane crushing system housed in a 1860 addition to the factory.

This addition as well as the secondary buildings of the complex are constructed strictly for their utilitarian purposes and little effort has been given towards creating an architectural impression. The older section of the factory, on the other hand, exhibits considerable evidence of preoccupation with architectural decoration. It stands on an articulated base with stucco band work at corners and around windows and door openings. A double band takes the place of a cornice and the space between them is divided in panels corresponding to the fenestration of the wall below. Acroterions define the corners of the main elements of the structure. The ornamental plaster work is carried through on the interior, and there are indications of a color treatment of band work as well as grooved and painted joints of the plaster and stucco emphasizing the architectural effect.

#### STATEMENT OF SIGNIFICANCE:

Reef Bay Factory Historic District is significant for its well preserved "works" which clearly illustrate late 18th and early 19th century sugar production practices and for the architectural quality of its factory building.

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Acreage: 5 acres Latitude: 18<sup>0</sup> 19' 30"
Longitude: 64<sup>0</sup> 44' 42"
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There are no UTM references on any published maps of the U.S. Virgin Islands.

#### VERBAL BOUNDARY DESCRIPTION:

The historic limits of the factory compound are bordered to the north and west by the trail from centerline road and the Reef Bay shoreline and to the south and east by the mangrove swamp that seperates the factory site from the higher land towards the northeast. The boundaries include the presence of all parts of the historical resource as defined by the natural barriers of the swamp and the sea and the historical access trail.

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Appendix B, Historic District CLASSIFIED STRUCTURE FIELD INVESTORY REPORT (Actach 4"x5" B&W Photo)	
NPS ORGANIZAT PARK/AREA NAME Virgin Islands Nat'l Park CODE NO. 530	
STRUCTURE NAME Horsemill, Reef Bay Estate STRUCTURE NO. H-1	<u>3, 1</u>
ORDER OF SIGNIFICANCE: National State X Local	
LOCATION OF STRUCTURE: Shoreline of Reef Bay 1 3/4 miles south of Centerline Roa	
UTM REFERENCE: A CLASS VI LAND ACREAGE (if no Zone Easting Northing acre	ot ct;
STRUCTURE: Type of, and composition: Earth fill platform retained by rubble sto	
STRUCTURE: Type of, and composition: Earth fill platform retained by rubble sto walls, mill is circular in shape.	
Physical Description: The Horsemill is a raised circular earth platform four to six feet above	
grade with a diameter of 80' and defined by rubble masonry retaining walls	
on all sides. A ramp leads up to the horsemill from the east. Both the footings of the original grinding me chanism and the brick gutter through which the cane juice was led to the boiling house have been preserved. In addition, the mill has the steam-driven cane crushers installed in 1862.	<b>.</b>
which the cane juice was led to the boiling house have been preserved. In	<b></b>
They are located to the northwest on masonry footings straddling the edge	- 1
Latitude 18°19'30" Longitude 64°44'42"	
(continue on reverse if necessary	)
PRESENT CONDITION:       Excellent       Good       Fair       Deteriorated         Ruins       Unaltered       X       Altered       Original Site       X       Moved	
Report prepared by:	-3

Appendix B, Historic District

	(Actach 4"x5)	IELD INVENTORY R ' B&W Photo) n Islands Nat'l P	NPS ORGANIZATION ark, CODE NO. <u>5360</u>
STRUCTURE NAME Factory,			STRUCTURE NO. H-13,2
ORDER OF SIGNIFICANCE:	National	State X	Local

LOCATION OF STRUCTURE: Shore	line of Reef Bay 1 3/4	miles south of Centerline Road
UTM REFERENCE:		CLASS VI LAND ACREAGE (if not part of a complex or district:
Zone Easting	Northing	acres.

STRUCTURE: Type of, and composition: Plastered brick and rubble masonry laid
out in a T shape and with extensions towards the north and southwest
Physical Description: The factory is of brick and rubble masonry construction with
stuccoed and plaster walls. The older section of the factory had a flat roof, the addition of the 1860s, a hipped roof. The older section of the factory is "T"
shaped in plan, almost identical to the illustration of the ideal factory in P. L.
Oxholm's book, Over de Vestindiske Øers Tilstand, published in Copenhagen in
1797. The stem of the T is 40'6" wide by 37' long, and contains the boiling house
with a boing bench of five "coppers" along the west wall over a flue and a furnace.
West of the boiling house, but within the stem of the "T", is the firing trench.
where the furnace was stoked. The firing trench had a roof supported on arches
and square pillars. Three rectangular windows below the level of the firing trench
roof and two circular vents in the space between the roof of the firing trench and
the higher roof of the boiling house allowed the steam from the boiling bench to
escape. The boiling house is divided into two sections by a wall running north-
south with the large arched openings. The eastern section, like the firing trench,
had a slightly lower roof and houses the crystallization pans. Two windows and a
door in the east wall and south wall, respectively, provided additional ventilation
<u>Latitude 18°19'30'' Longitude 64°44'42''</u>
(continue on reverse if necessary)
PRESENT CONDITION: Excellent Good Fair Deteriorated
Ruins X Unaltered X Altered Original Site X Moved

Report prepared by:

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Appendix B, Historic District CLASSIFIED STRUCTURE FIELD INVENTORY REPORT (Attach 4"x5" B&W Photo)
REGION Southeast PARK/AREA NAME Virgin Islands Nat'l Park CODE NO. 5360
STRUCTURE NAME Dwelling No. 1. Factory Reef Bay Estate STRUCTURE NO. H-13,3
ORDER OF SIGNIFICANCE: National State Local X
·
LOCATION OF STRUCTURE: Shoreline of Reef Bay 1 3/4 miles south of Centerline Road
UTM REFERENCE: A CLASS VI LAND ACREAGE. (if not part of a complex or district:
Zone Easting Northingacres.
·
STRUCTURE: Type of, and composition: Wood structure on a masonry footing
rectangular in shape. Physical Description:
Dwelling No. 1 of Reef Bay Factory Site is 20' east of the factory and was a shangled two-room, one-story wood frame structure with a gable roof measuring
20'x15'. Its date of construction is late but not determined definitely. It
collapsed in 1960 and only the masonry footings of its exterior walls remain.
Latitude 18°19'30'' Longitude 64°44'42''
(continue on reverse if necessary)
PRESENT CONDITION:       Excellent       Good       Fair       Deteriorated         Ruins       X       Unaltered       X       Altered       Original Site       X       Moved

Report prepared by:

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Appendix B, Historic	District	duman A. Midt	
· <u>CL</u>	ASSIFIED STRUCTURE (Attach 4"x	FIELD INVENTORY REP 5" B&W Photo)	
<b>REGION</b> Southeast	PARK/AREA NAME Vi	rgin Islands Nat'l P	NFS ORGANIZATION ark CODE NO. <u>5360</u>
STRUCTURE NAME <u>Dwellin</u>	g No. 2, Factory, H	Reef Bay Estate S	TRUCTURE NO. <u>H-13.4</u>
ORDER OF SIGNIFICANCE:	National	State	Local X

LOCATION OF STRUCTURE: Shoreline of	Reef Bay 1 3/4 n	niles south of Centerline Road
UTM REFERENCE:		CLASS VI LAND ACREAGE (if not part of a complex or district:-
Zone Easting Nor	thing	acres.

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DIRUCIURE: 1ype or, and composition: Plastered rubble masonry one-story
rectangular.
Physical Description: Dwelling No. 2 of Reef Bay Factory Site is located 50' east
of the factory and slightly south of dwelling No. 1. It is a one-story rubble
masonry structure with a gable roof 36' by 15' of early construction, possibly
predating the factory. The east and south wall have collapsed. The two remain-
predating the factory. The east and south wall have collapsed. The two remain- ing walls stand to their full height.
,
Latitude 18°19'30'' Longitude 64°44'42''
· · ·
(continue on reverse if necessary)
PRESENT CONDITION:     Excellent     Good     Fair     Deteriorated       Ruins     X     Unaltered     X     Altered     Original Site     X

Appendix B, Hi storic	District					
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	ASSIFIED CON	ach 4"x5"	Likila (197	KI KEPUK		
REGION Southeast	e.	,			NPS ORC	
'		<u> </u>	· · · ·			• 550
STRUCTURE NAME <u>Dwellin</u>	<u>g No. 3, Fac</u>	ctory,Reef	Bay Estate	STR	UCTURE NO	). <u>H-</u> ]
ORDER OF SIGNIFICANCE:	National [		State	<u>-</u>	Local	
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LUCATION OF SIRUCIORE:	ohoreline of	Кеет Вау 1				ويستقده والمجراج والقات وال
UTM REFERENCE:	11.1	1 1 1	1		D ACREAGE mplex or	•
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		,				
		, 				
STRUCTURE: Type of, an	d composítio	n: Rubble	masonry,	one-sto	ry rectar	gular
shape	id compositio	n: <u>Rubble</u>	masonry,	one-sto	ry rectar	gular
<u>shape</u> Physical Description: Dwelling No. 3 of Reef	Bay Factory	site is loc	ated about	50 yard	s souther	st of
shape Physical Description: Dwelling No. 3 of Reef factory and 20 yards ea structure with a gable r	Bay Factory st of the hor oof. It mea	site is loc semill, It sures 10'x	ated about is a single 15' and the	50 yard	s southea	st of
<u>shape</u> <b>Physical Description:</b> Dwelling No. 3 of Reef factory and 20 yards ea	Bay Factory st of the hor oof. It mea	site is loc semill, It sures 10'x	ated about is a single 15' and the	50 yard	s southea	st of
shape Physical Description: Dwelling No. 3 of Reef factory and 20 yards ea structure with a gable r	Bay Factory st of the hor oof. It mea	site is loc semill, It sures 10'x	ated about is a single 15' and the	50 yard	s southea	st of
shape Physical Description: Dwelling No. 3 of Reef factory and 20 yards ea structure with a gable r	Bay Factory st of the hor oof. It mea	site is loc semill. It sures 10'x	ated about is a single 15' and the	50 yard room r walls a	s southea ubble ma re only p	st of sonry artial
shape Physical Description: Dwelling No. 3 of Reef factory and 20 yards ea structure with a gable r	Bay Factory st of the hor oof. It mea	site is loc semill. It sures 10'x	ated about is a single 15' and the	50 yard room r walls a	s southea ubble ma re only p	st of sonry artial
shape Physical Description: Dwelling No. 3 of Reef factory and 20 yards ea structure with a gable r	Bay Factory st of the hor oof. It mea	site is loc semill. It sures 10'x	ated about is a single 15' and the	50 yard room r walls a	s southea ubble ma re only p	st of sonry artial
shape Physical Description: Dwelling No. 3 of Reef factory and 20 yards ea structure with a gable r	Bay Factory st of the hor oof. It mea	site is loc semill. It sures 10'x	ated about is a single 15' and the	50 yard room r walls a	s southea ubble ma re only p	st of sonry artial
shape Physical Description: Dwelling No. 3 of Reef factory and 20 yards ea structure with a gable r	Bay Factory st of the hor oof. It mea	site is loc semill. It sures 10'x	ated about is a single 15' and the	50 yard room r walls a	s southea ubble ma re only p	st of sonry artial
shape Physical Description: Dwelling No. 3 of Reef factory and 20 yards ea structure with a gable r	Bay Factory st of the hor oof. It mea	site is loc semill. It sures 10'x	ated about is a single 15' and the	50 yard room r walls a	s southea ubble ma re only p	st of sonry artial
shape Physical Description: Dwelling No. 3 of Reef factory and 20 yards ea structure with a gable r	Bay Factory st of the hor oof. It mea	site is loc semill. It sures 10'x	ated about is a single 15' and the	50 yard room r walls a	s southea ubble ma re only p	st of sonry artial
shape Physical Description: Dwelling No. 3 of Reef factory and 20 yards ea structure with a gable r	Bay Factory st of the hor oof. It mea	site is loc semill. It sures 10'x	ated about is a single 15' and the	50 yard room r walls a	s southea ubble ma re only p	st of sonry artial
shape Physical Description: Dwelling No. 3 of Reef factory and 20 yards ea structure with a gable r	Bay Factory st of the hor oof. It mea	site is loc semill. It sures 10'x	ated about is a single 15' and the	50 yard 2 room 1 walls a Longitu	s southea ubble ma re only p de 64°44	st of sonry artial 42"
	Bay Factory st of the hor oof. It mea	site is loc semill. It sures 10'x	ated about is a single 15' and the 18°19'30'' (continue	50 yard room r walls a Longitu on reve Fair	s southea ubble ma re only p de 64°44	st of sonry artial 42" ccssal rated

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Appendix B,	Histonic Di	strict	t. attains ac of				·,
· .	CLASS	IFIED STRUCT	URE FIELD LIVER 4'x5' B&W Phot	VIORY REI	PORT		
REGION Southe	ast PA	•	Virgin Islands	•			NIZATION 5360
STRUCTURE NAME	Bake Oven	Factory, R	eef Bay Estate		STRUCTURI	E NO.	<u>H-13, 1</u>
ORDER OF SIGNI	FICANCE: N	lational	State		Lo	ocal [	X

LOCATION OF STRUCTURE: Shoreline of Reef Bay 1 e/r miles	south of Centerline Road
UTM REFERENCE:	VI LAND ACREAGE (if not
A CLASS	of a complex or district:
Zone Easting Northing	acres.

STRUCTURE: Type of, and composition: Plastered rubble and brick masonry.

Physical Description: A free standing bake oven is located approximately 30 feet. south of dwelling No. 2. It is 5 by 5 feet square and is constructed in plastered rubble masonry with brick lining of openings, baking chamber and ash hox. In design it conforms to the standard design of the smaller bake ovens found in the Virgin Islands. It has no flue. Combustion was fed by the draft through the ash pit at ground level and smoke and gases produced in the burning of the fuel escaped through the feed door to the baking chamber. Once the entire masonry mass had acquired the desired heat the baking chamber was raked out and the products to be baked placed in the chamber. To prevent rapid dissipitation of heat, doors were placed over both the openings to the baking chamber and the rake out opening of the ash pit.

Latitude 18°19'30" Longitude 64°44'42"

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		<u>(c</u>	ontinue on reve	rse if necessary)
PRESENT CONDITION:	Excellent	Good	Fair	Deteriorated X
Ruins	Unaltered X	Altered	Original Si	te X Moved

Appendix D, Historich	JISLIICL	· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·	SSIFI. STRUCTURE	FEED INVENTORY R	EPORT
	(Actach 4">	5" B&W Photo)	NPS ORGANIZATION
REGION Southeast	PARK/AREA NAME Vir	gin Islands Nat'l F	Park CODE NO. 5360
STRUCTURE NAME Oxpound,	Factory, Reef Ba	y Estate	STRUCTURE NO. H-13.7
ORDER OF SIGNIFICANCE:	National	State	Local X

Harma 1 of

LOCATION OF STRUCTURE: Shoreline of Reef Bay, 1 3/4 miles south of Centerline Road

UTM REFERENCE:		CLASS VI LAND ACREAGE (if not part of a complex or district:
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Zone Easting	Northing	acres.
		-

 STRUCTURE:
 Type of, and composition:
 An area roughly triangular in shape defined

 by dry stone walls and the retaining wall of the horsemill.
 Physical Description:

An irregular shaped oxpound defined by dry stone walls and the retaining walls of the horsemill extends outward in a southeasterly direction from the horsemill. It appears to be an enclosure for confining such dray animals used in the working of the draw of the horsemill during peiods of rest more than an oxpound proper. No traces have been observed of a corral shelter or feeding troughs as is generally observed in oxpounds proper

		Latitude	18 <sup>0</sup> 19'30''	Longitude	64044142''
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	· · · · · · · · · · · · · · · · · · ·				
			<u>(continue</u>	on reverse	<u>if necessary)</u>
PRESENT CONDITION:	Excellent	Good	F	air Do	eteriorated X
Ruins U	Inaltered X	Altered	Orig	inal Site	X Moved

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Appendix B, Historic District	М
CLASSIFIED STRUCTURE FIELD INVENTORY REPORT (Attach 4"x5" B&W Photo)	<u>r</u> ,
REGION Southeast PARK/AREA NAMEVirgin Islands Nat'l Park	NPS ORGANIZATIO
	UCTURE NO. <u>H-13.</u>
ORDER OF SIGNIFICANCE: National State	Local X
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and the second	
LOCATION OF STRUCTURE: Shoreline of Re ef Bay 1 3/4 miles south of	f Centerline Road
	ACREAGE (if not aplex or district: acres.
STRUCTURE: Type of, and composition: One raised masonry and m a cemetery with undefined limits.	nonumented grave
Physical Description:	
An ill-defined cemetery is located southeast of the horsemill and oxpound. It is known to contain the graves of three members of	
family. Only one, the grave of William Marsh is monumented, h	
masonry structure surmounted by a standing cross.	•
	· · · · · · · · · · · · · · · · · · ·
Latitude 18°19'30'' Longitu	de 64 <sup>0</sup> 44'42''
(continue on rever	a if necessary)
PRESENT CONDITION:       Excellent       Good       Fair         Ruins       Unaltered       X       Altered       Original Sit	DeterioratedX

Report prepared by:

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Appendix, Historic I	USSIE UCTUA	KETELIJI IJI VIJAJORX	<u>REPUKT</u>
REGION Southeast	•	('x5) B&W Moto) Virgin Islands Nat'	NFS ORGANIZATION Park CODE NO. 5360
STRUCTURE NAME Well and	Drinking Trough	Reef Bay Estate	STRUCTURE NO. H-13,9
ORDER OF SIGNIFICANCE:	National	State	Local X
LOCATION OF STRUCTURE:Sh	oreline of Reef		
UTM REFERENCE: A Zone E a s t i n g		part of	LAND ACREAGE (if not a complex or district: acres.
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STRUCTURE: Type of, and composition: Shoreline of Reef Bay 1 3/4 miles

Physical Description:

A well connected to a 40 foot long plastered masonry drinking trough for cattle is located 200 feet northeast of the factory. The trough is 3 feet wide and raised 2 feet above grade and is built in a straight line east west. The well is located at its east end. The circular walls of the well stand 2'-6' above grade and have a diameter of 5 feet.

	Latitude	18°19'30'' I	Longitude	64044'42''	
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		<u>(co</u>	ontinue on	reverse if nec	essary)
PRESENT CONDITION: Ruins	Excellent Unaltered X	Good	Fair Origina	Deterior	

Report prepared by: